

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054479.D
 Acq On : 20 Mar 2019 22:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 3/22/2019 3:48:45 PM

Quant Time: Mar 22 05:42:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	561226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	903462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	782985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	356325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	351250	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.59	113	286768	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.09	98	1073658	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	372084	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	275097	51.275	ug/l	100
3) Chloromethane	2.06	50	364687	49.959	ug/l	99
4) Vinyl Chloride	2.19	62	362147	49.413	ug/l	99
5) Bromomethane	2.57	94	211878	44.709	ug/l	100
6) Chloroethane	2.71	64	208033	47.324	ug/l	98
7) Trichlorofluoromethane	3.02	101	436644	49.059	ug/l	100
8) Diethyl Ether	3.41	74	164542	48.069	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.75	101	244579	46.757	ug/l	96
10) Methyl Iodide	3.94	142	374147	48.625	ug/l	95
11) Tert butyl alcohol	4.82	59	99857	236.275	ug/l	100
12) 1,1-Dichloroethene	3.73	96	250979	46.364	ug/l #	82
13) Acrolein	3.61	56	137003	234.902	ug/l	98
14) Allyl chloride	4.32	41	511534	50.183	ug/l #	92
15) Acrylonitrile	5.00	53	547867	260.311	ug/l	100
16) Acetone	3.82	43	398723	189.980	ug/l #	87
17) Carbon Disulfide	4.04	76	683331	47.113	ug/l	99
18) Methyl Acetate	4.33	43	235753	50.397	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	805439	50.983	ug/l	97
20) Methylene Chloride	4.55	84	300503	48.572	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	286425	51.818	ug/l	87
22) Diisopropyl ether	5.96	45	1058567	52.648	ug/l #	92
23) Vinyl Acetate	5.90	43	3808166	268.171	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	564369	52.131	ug/l	99
25) 2-Butanone	6.85	43	671830	249.889	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	349331	45.266	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	332166	50.381	ug/l	91
28) Bromochloromethane	7.20	49	268176	50.326	ug/l #	77
29) Tetrahydrofuran	7.22	42	458112	262.578	ug/l #	85
30) Chloroform	7.37	83	540301	51.140	ug/l	100
31) Cyclohexane	7.65	56	545611	52.697	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	454243	52.114	ug/l	96
36) 1,1-Dichloropropene	7.79	75	425663	50.390	ug/l	96
37) Ethyl Acetate	6.94	43	312358	51.989	ug/l	95
38) Carbon Tetrachloride	7.77	117	390763	47.602	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	493573	51.079	ug/l	89
40) Benzene	8.04	78	1214892	50.294	ug/l	100
41) Methacrylonitrile	7.18	41	187756	51.242	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	425800	48.403	ug/l	98
43) Isopropyl Acetate	8.17	43	534200	52.647	ug/l #	94
44) Trichloroethene	8.83	130	332511	49.512	ug/l	96
45) 1,2-Dichloropropane	9.12	63	335902	51.786	ug/l	99
46) Dibromomethane	9.21	93	195405	50.497	ug/l	92
47) Bromodichloromethane	9.40	83	401361	49.978	ug/l	97
48) Methyl methacrylate	9.20	41	281858	51.179	ug/l	86
49) 1,4-Dioxane	9.20	88	58332	947.428	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1460407	259.701	ug/l	95
52) Toluene	10.16	92	740124	49.816	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	388962	46.096	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	478252	51.938	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	268982	50.366	ug/l	96
56) Ethyl methacrylate	10.43	69	378265	52.771	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	475128	51.179	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	726820	246.241	ug/l	91
59) 2-Hexanone	10.75	43	918314	250.007	ug/l	93
60) Dibromochloromethane	10.90	129	295075	51.924	ug/l	98
61) 1,2-Dibromoethane	11.01	107	267536	50.672	ug/l	99
64) Tetrachloroethene	10.63	164	322609	49.674	ug/l	96
65) Chlorobenzene	11.43	112	792470	49.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	296413	51.857	ug/l	99
67) Ethyl Benzene	11.51	91	1422147	50.555	ug/l	99
68) m/p-Xylenes	11.62	106	1073248	100.726	ug/l	98
69) o-Xylene	11.95	106	518636	49.841	ug/l	97
70) Styrene	11.96	104	867801	51.354	ug/l	98
71) Bromoform	12.13	173	175784	44.846	ug/l #	100
73) Isopropylbenzene	12.25	105	1387489	48.322	ug/l	98
74) N-amyl acetate	12.07	43	436909	52.919	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	324018	49.434	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	279832m	49.490	ug/l	
77) Bromobenzene	12.53	156	344179	48.331	ug/l	89
78) n-propylbenzene	12.59	91	1543456	49.572	ug/l	97
79) 2-Chlorotoluene	12.67	91	918298	47.296	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1160715	49.323	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	67982	41.990	ug/l #	82
82) 4-Chlorotoluene	12.77	91	926404	49.224	ug/l	96
83) tert-Butylbenzene	12.99	119	1015012	49.551	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1146812	49.665	ug/l	98
85) sec-Butylbenzene	13.17	105	1279988	50.126	ug/l	98
86) p-Isopropyltoluene	13.29	119	1177146	51.526	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	575462	48.763	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	566098	49.303	ug/l	99
89) n-Butylbenzene	13.62	91	958382	53.650	ug/l	99
90) Hexachloroethane	13.87	117	175330	49.442	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	563630	49.309	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48268	50.206	ug/l	89

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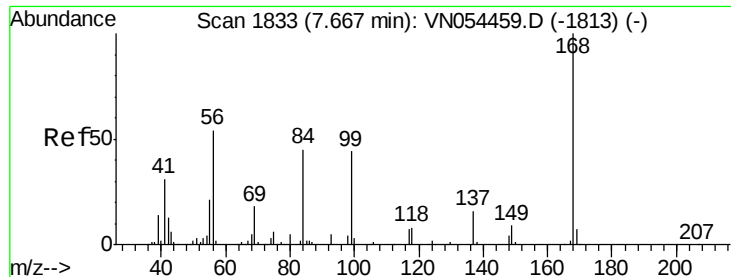
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309544	54.323	ug/l	99
94) Hexachlorobutadiene	15.01	225	183009	57.537	ug/l	99
95) Naphthalene	15.13	128	681001	53.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	307372	54.198	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 561226

Ion Ratio Lower Upper

168 100

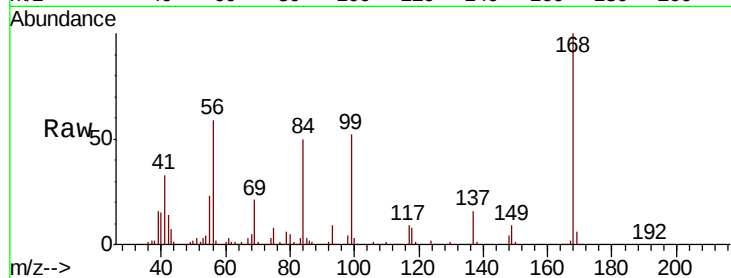
99 50.9 37.1 55.7

Manual Integrations

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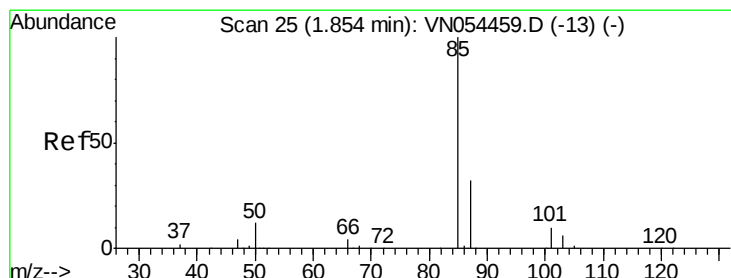
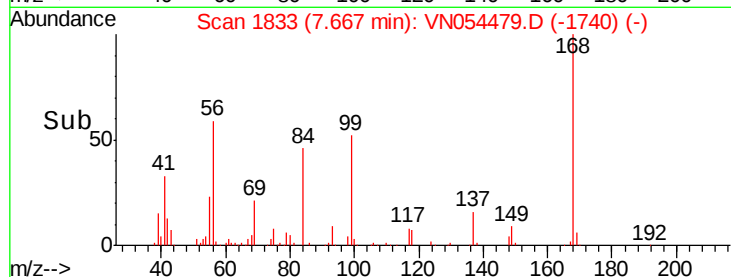
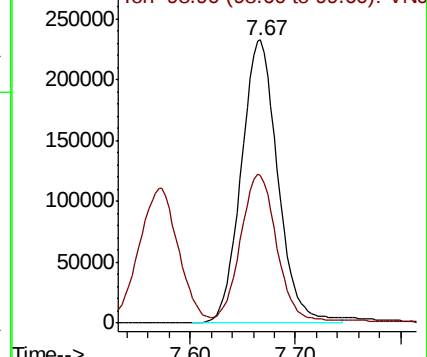
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.275 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054479.D

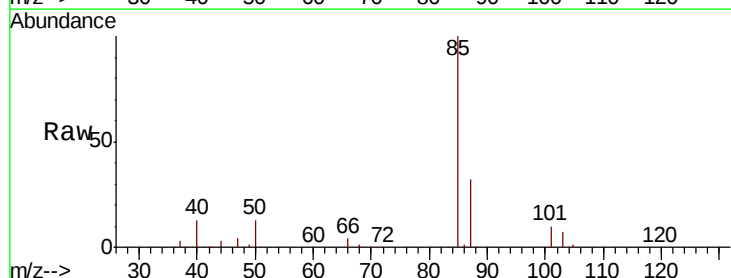
Acq: 20 Mar 2019 22:54

Tgt Ion: 85 Resp: 275097

Ion Ratio Lower Upper

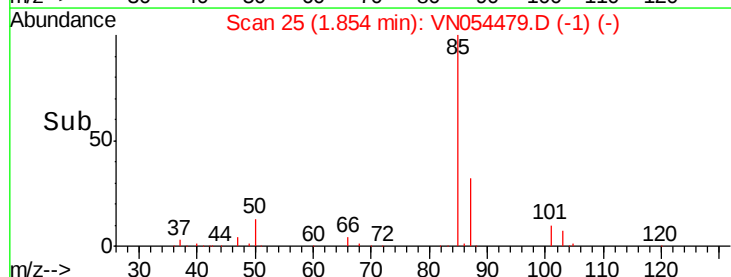
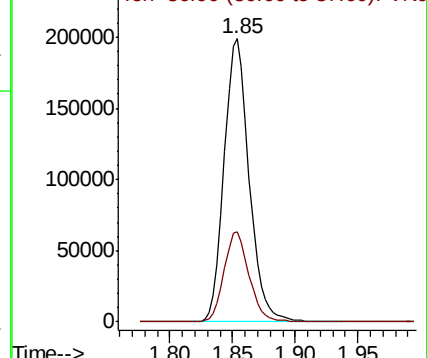
85 100

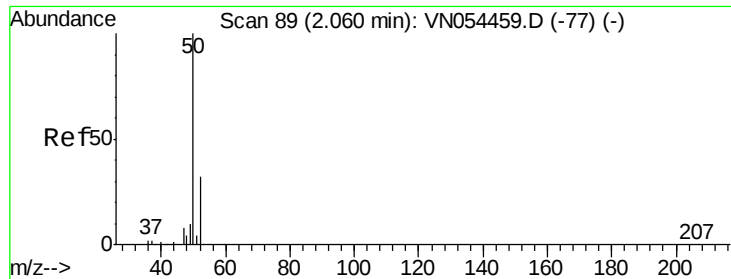
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.959 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 364687

Ion Ratio Lower Upper

50 100

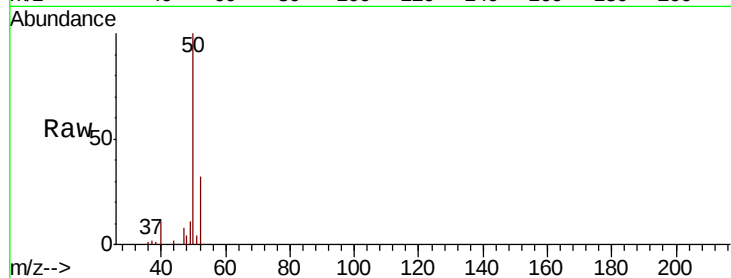
52 32.3 26.4 39.6

Manual Integrations

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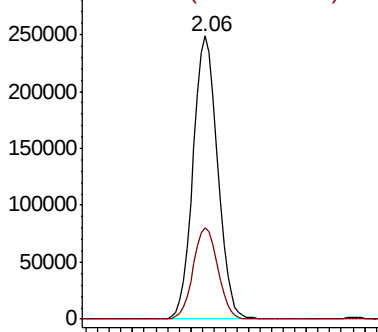
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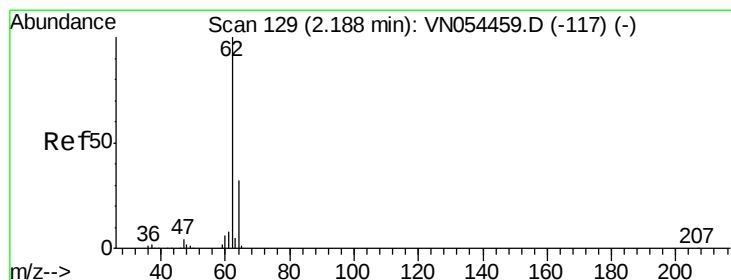
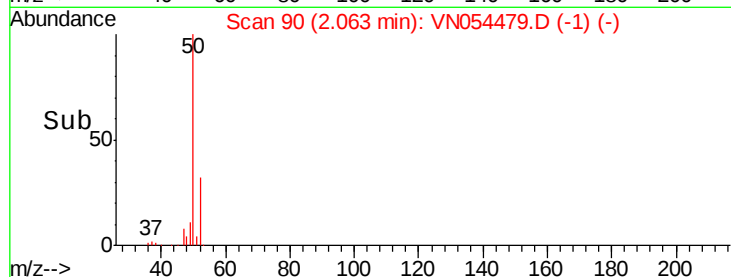


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 49.413 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054479.D

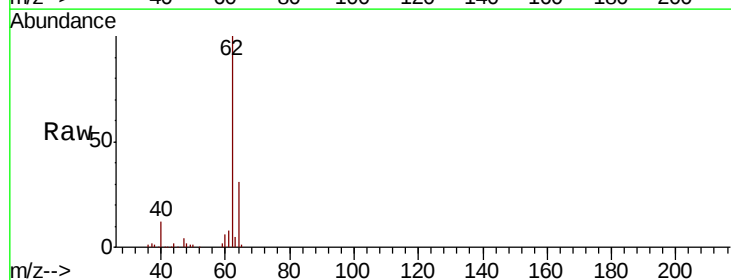
Acq: 20 Mar 2019 22:54

Tgt Ion: 62 Resp: 362147

Ion Ratio Lower Upper

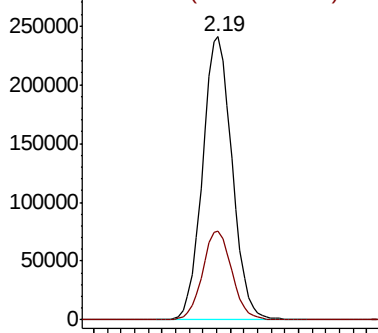
62 100

64 31.3 25.5 38.3

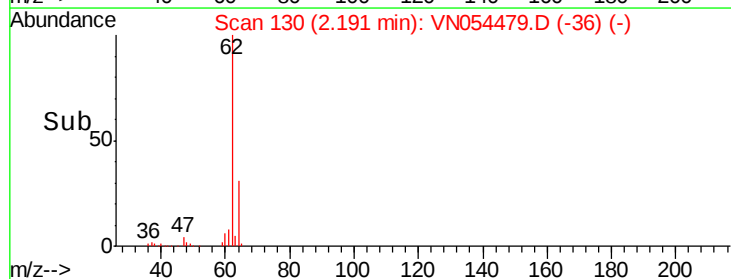


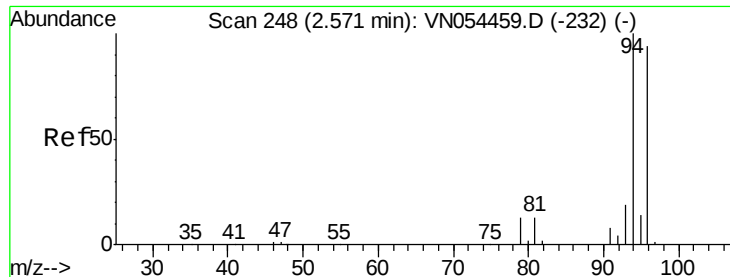
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





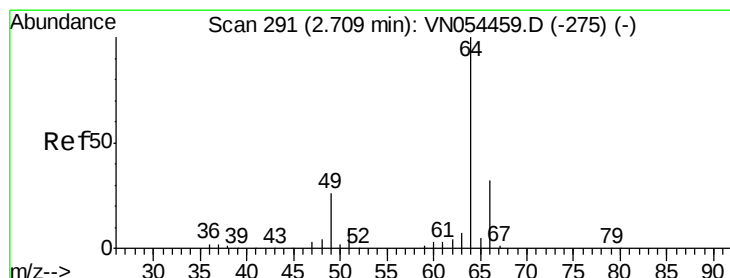
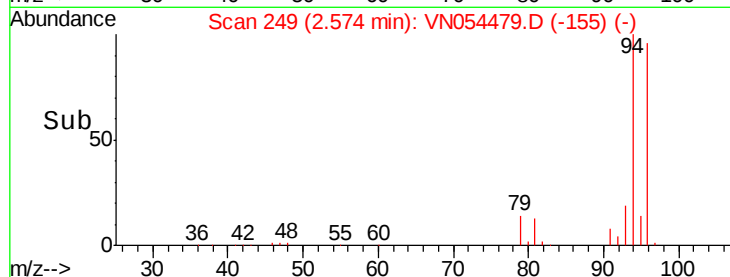
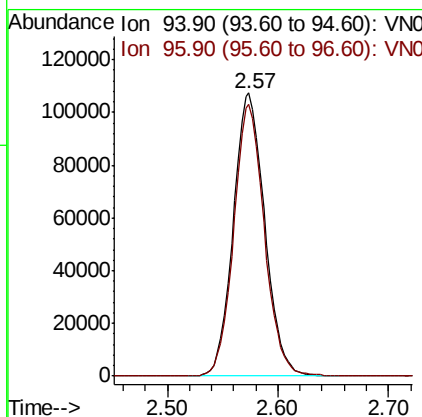
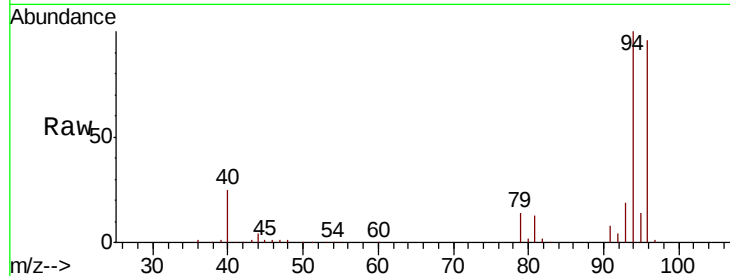
#5
Bromomethane
Concen: 44.709 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 211878
Ion Ratio Lower Upper
94 100
96 96.3 77.0 115.4

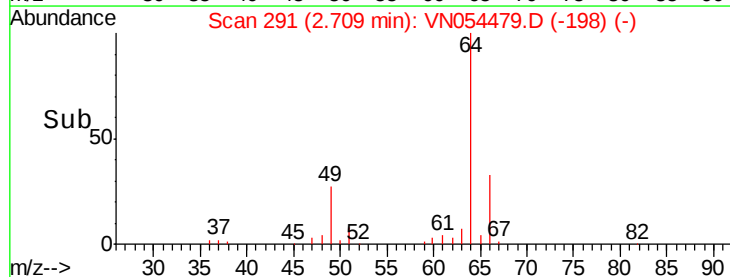
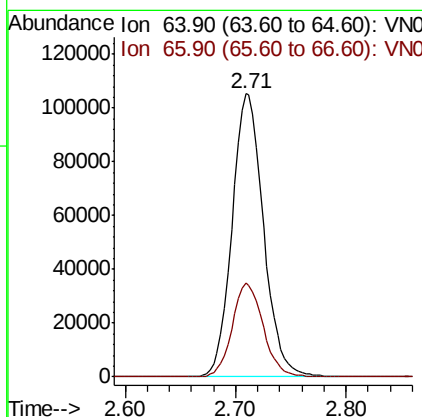
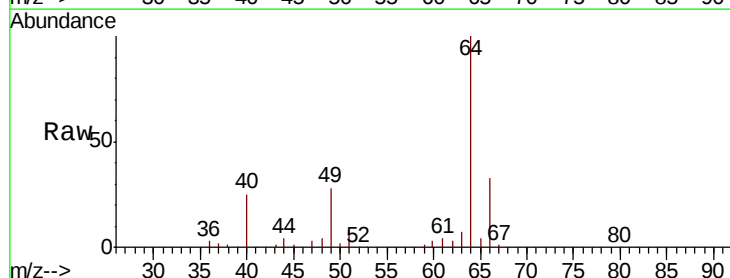
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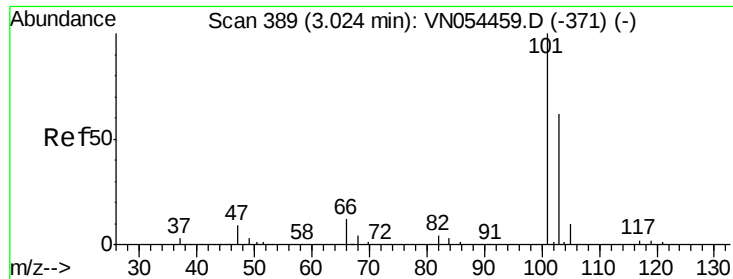
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#6
Chloroethane
Concen: 47.324 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion: 64 Resp: 208033
Ion Ratio Lower Upper
64 100
66 33.0 25.7 38.5





#7

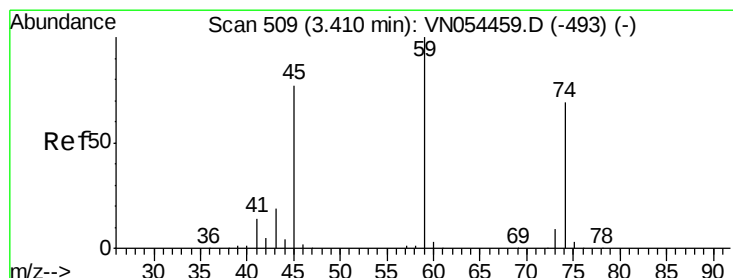
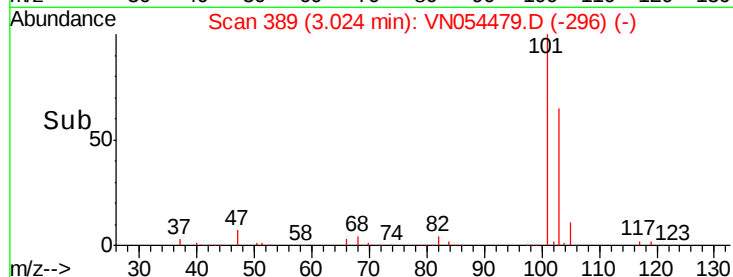
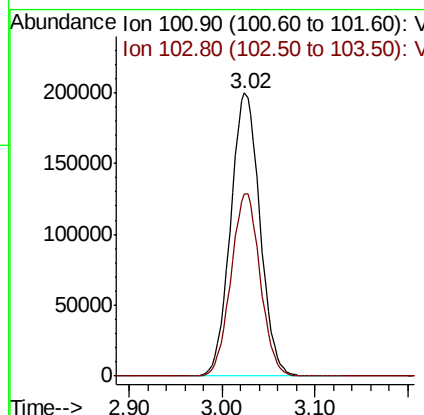
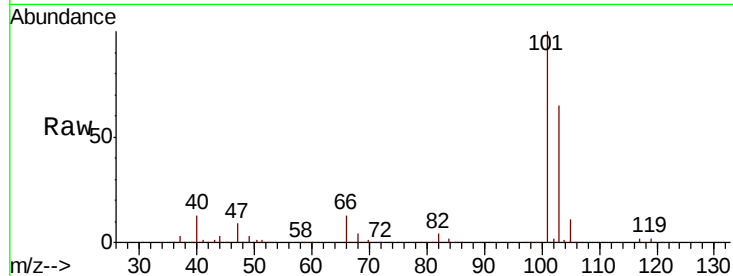
Trichlorofluoromethane
 Concen: 49.059 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

Manual Integrations
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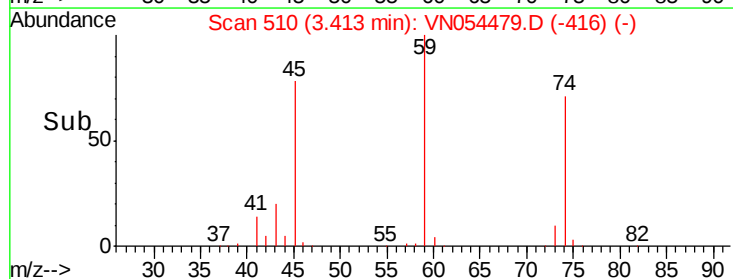
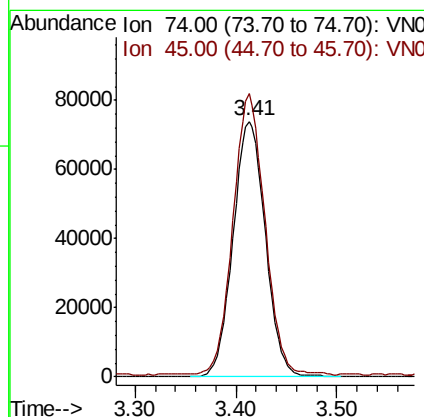
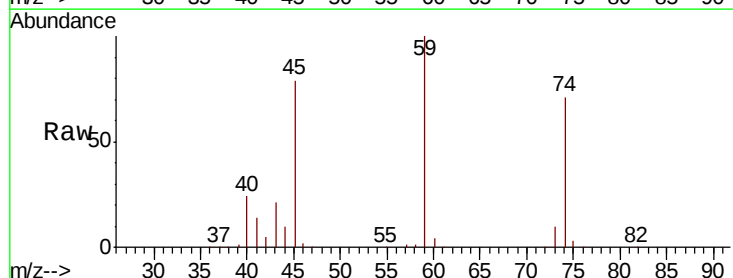
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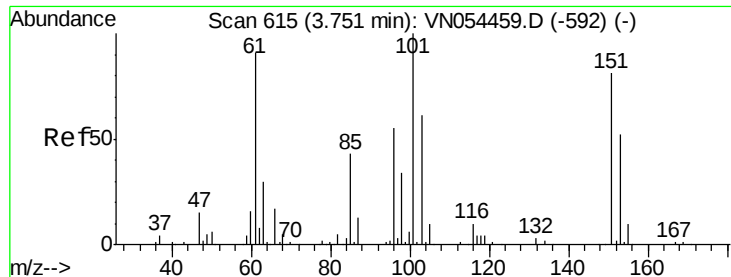


#8

Diethyl Ether
 Concen: 48.069 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.2	43.1	129.4





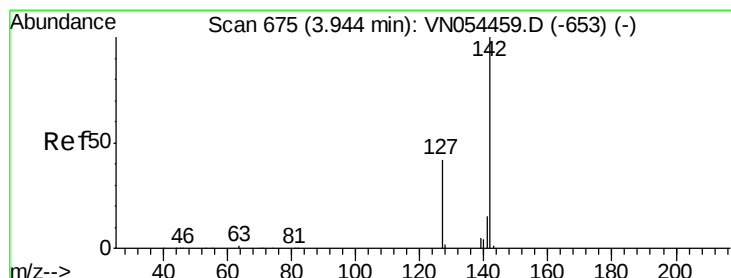
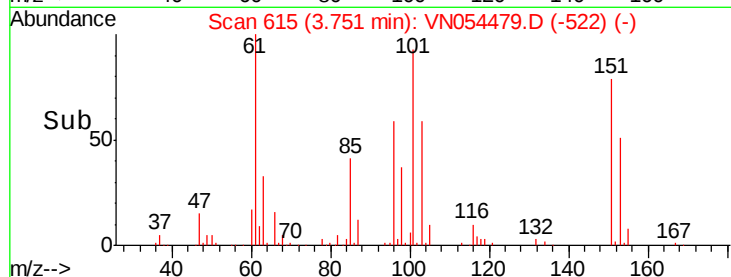
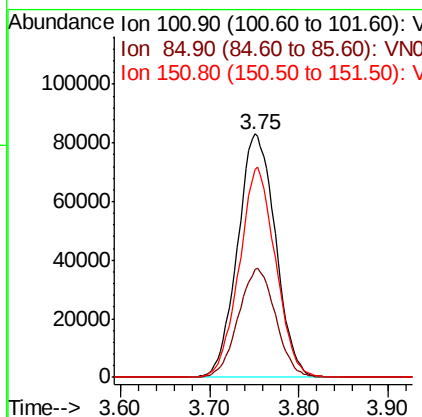
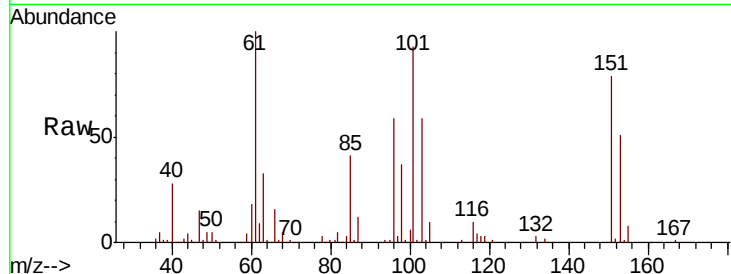
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.757 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	244579		
85	44.0		32.4	48.6
151	82.8		68.2	102.2

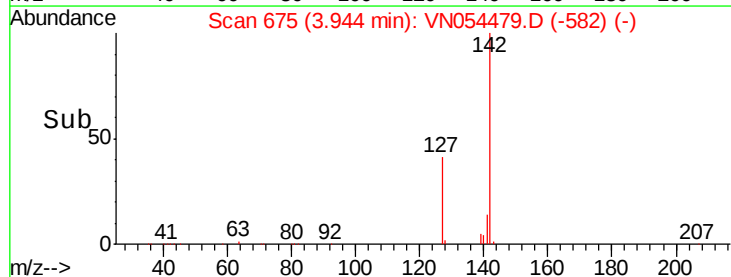
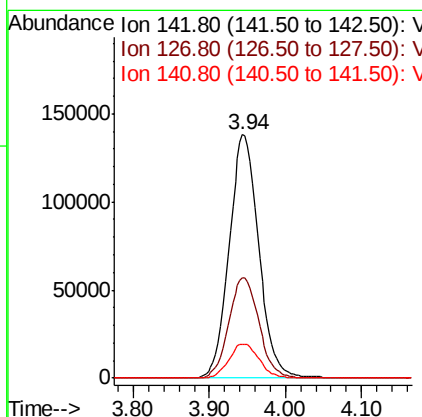
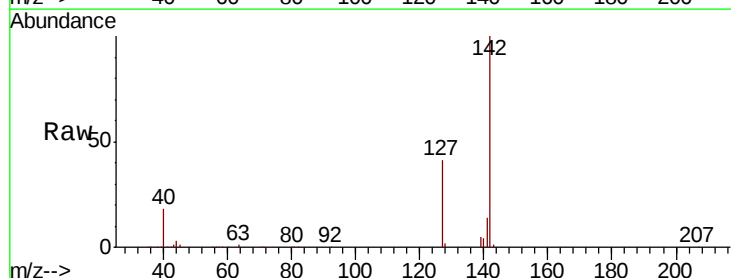
Manual Integrations
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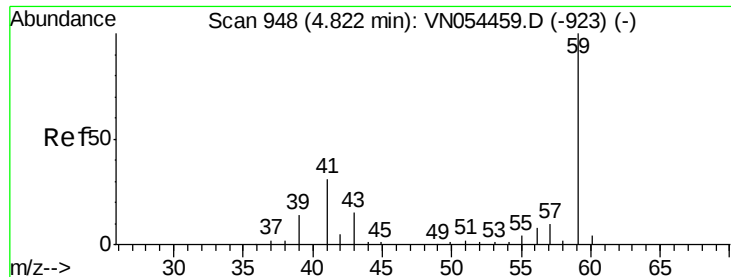
MMDadoda
 3/22/2019 3:48:45 PM



#10
 Methyl Iodide
 Concen: 48.625 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	374147		
127	42.0		30.3	45.5
141	14.4		11.2	16.8





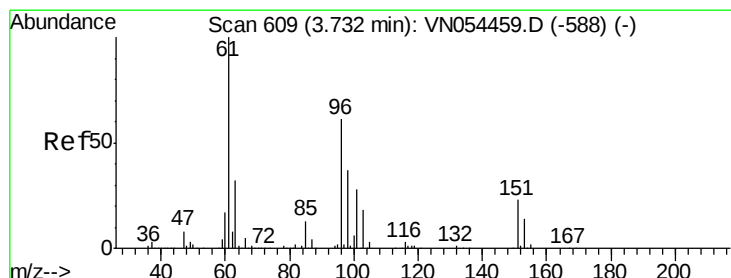
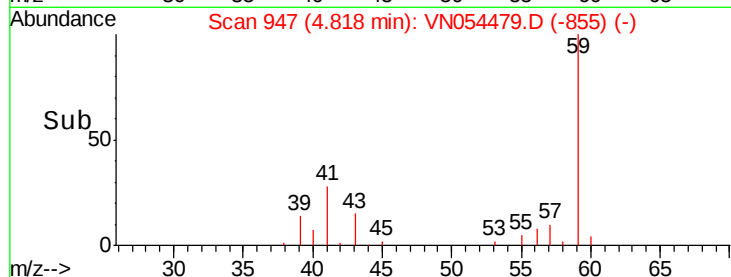
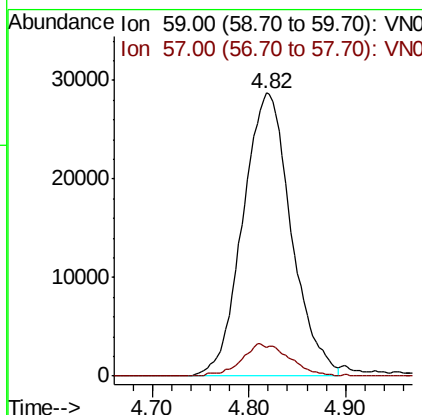
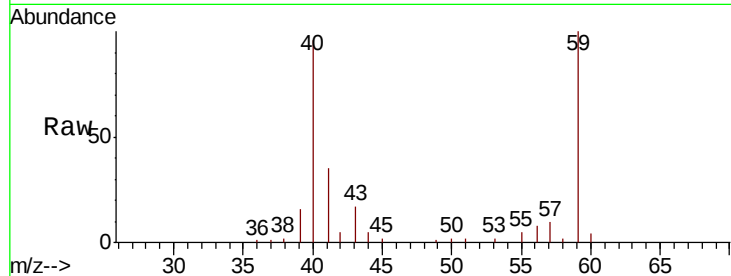
#11
Tert butyl alcohol
Concen: 236.275 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6

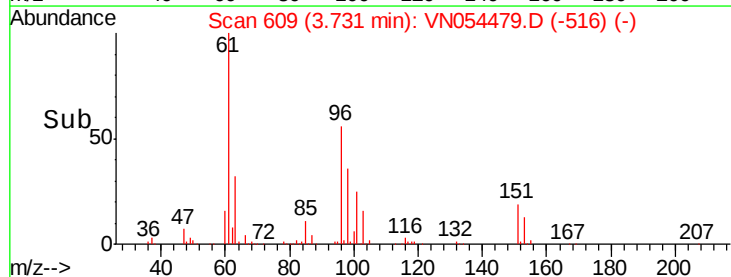
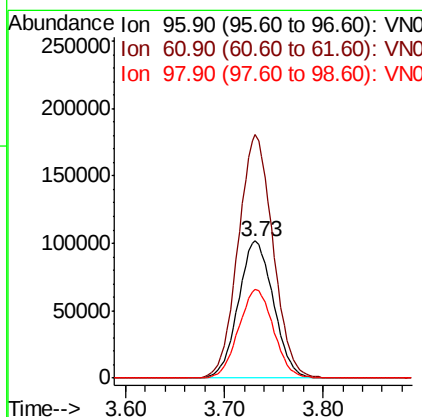
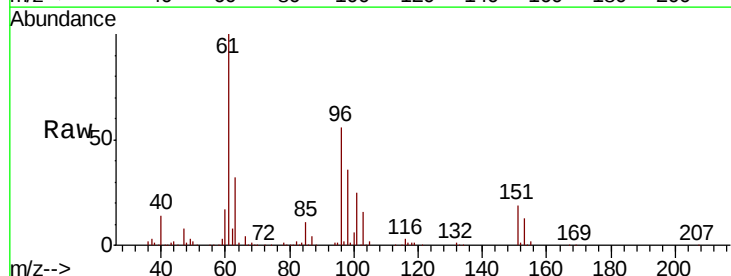
Manual Integrations
APPROVED

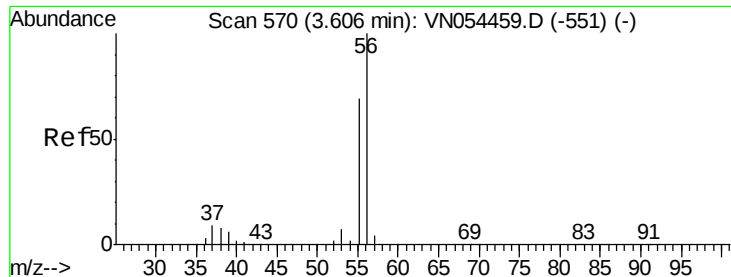
MMDadoda
3/22/2019 3:48:45 PM



#12
1,1-Dichloroethene
Concen: 46.364 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.6	116.5	174.7#
98	64.5	51.0	76.4





#13

Acrolein

Concen: 234.902 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 137003

Ion Ratio Lower Upper

56 100

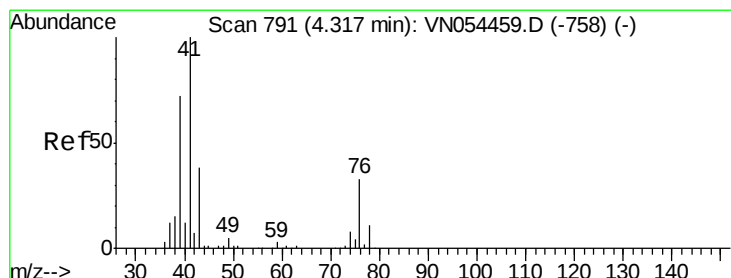
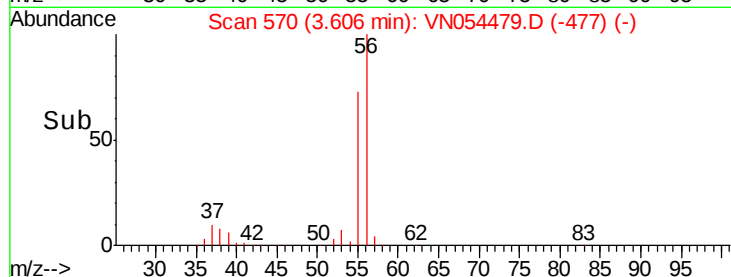
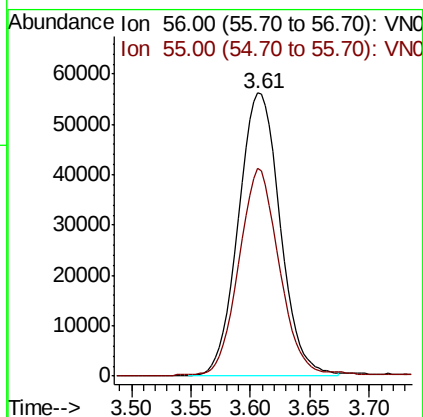
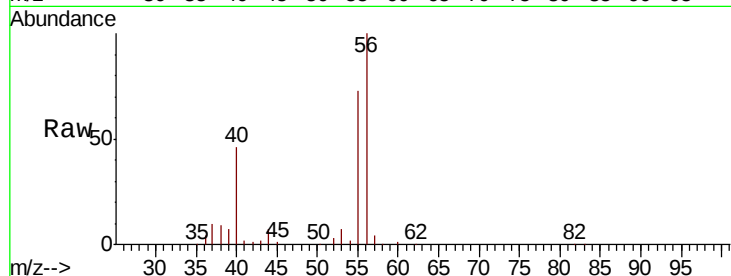
55 69.5 56.7 85.1

Manual Integrations

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3/22/2019 3:48:45 PM



#14

Allyl chloride

Concen: 50.183 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

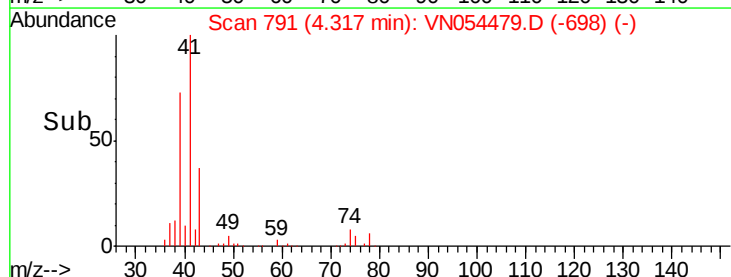
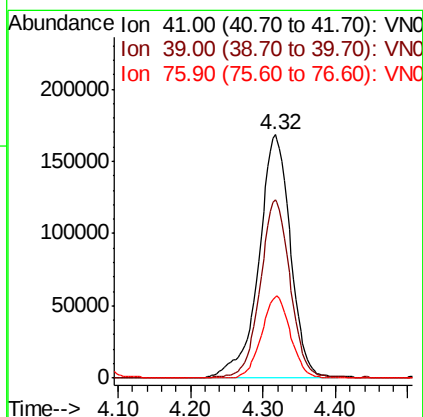
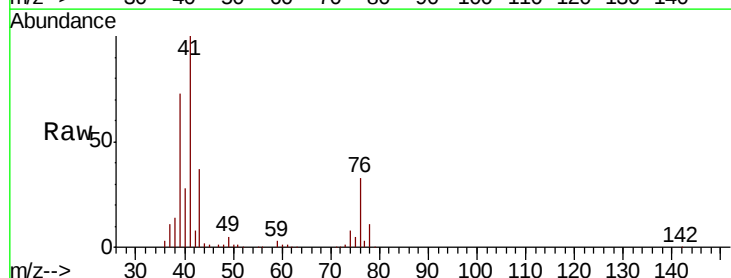
Tgt Ion: 41 Resp: 511534

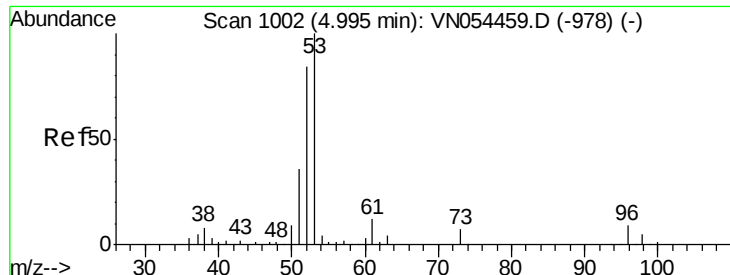
Ion Ratio Lower Upper

41 100

39 68.7 58.2 87.4

76 30.6 31.7 47.5#





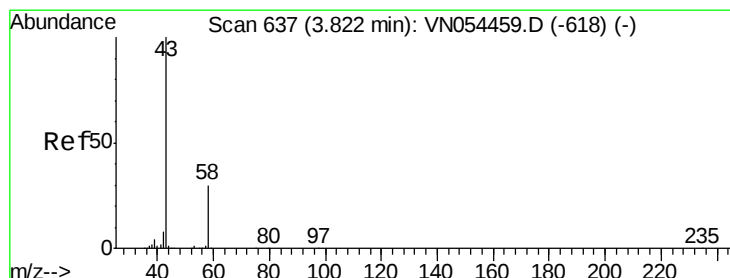
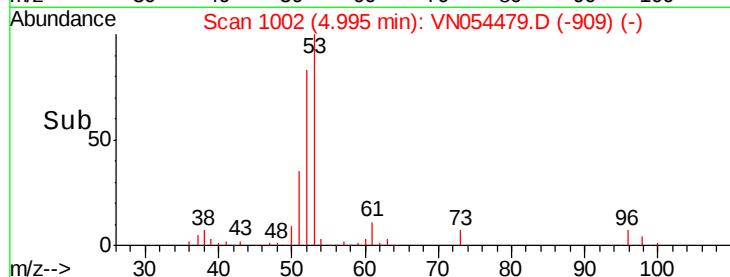
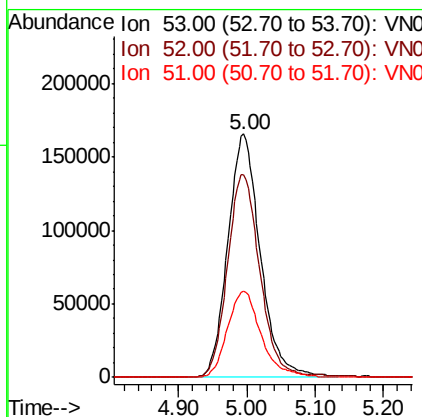
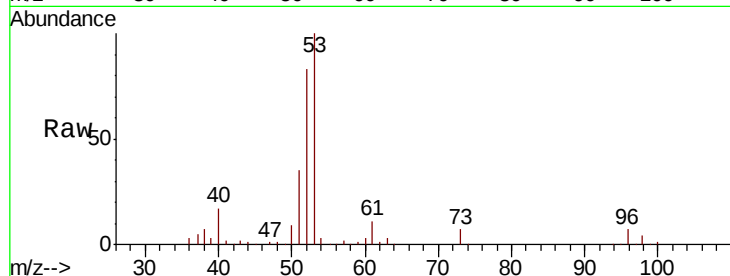
#15
 Acrylonitrile
 Concen: 260.311 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.7	29.6	44.4

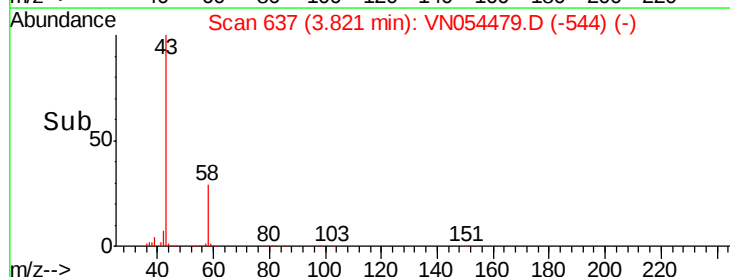
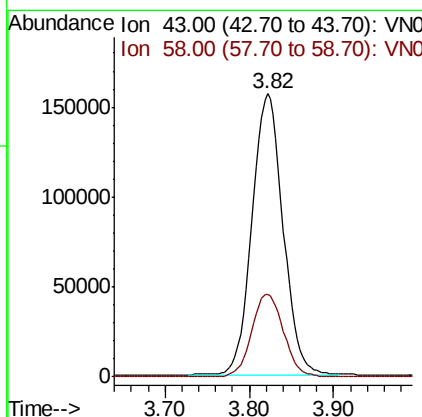
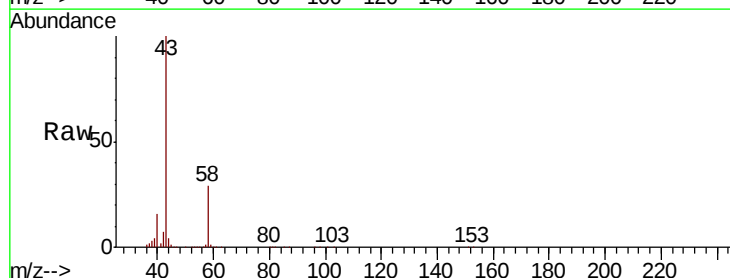
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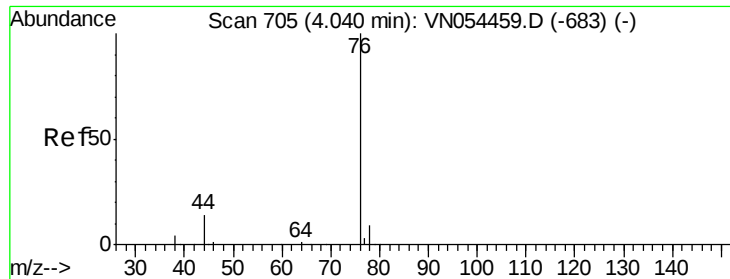
MMDadoda
 3/22/2019 3:48:45 PM



#16
 Acetone
 Concen: 189.980 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	29.9	44.9#





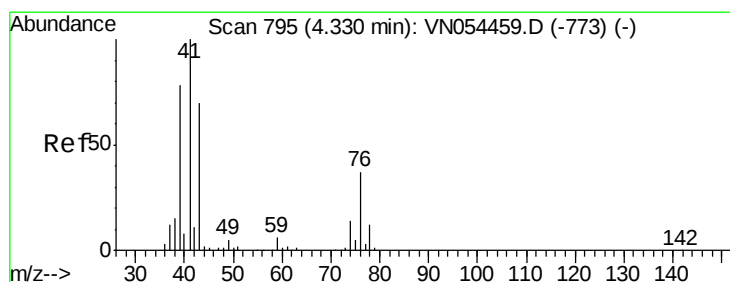
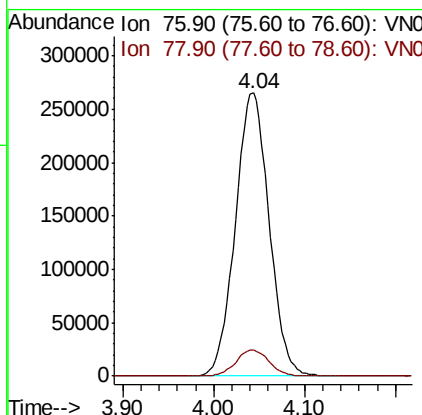
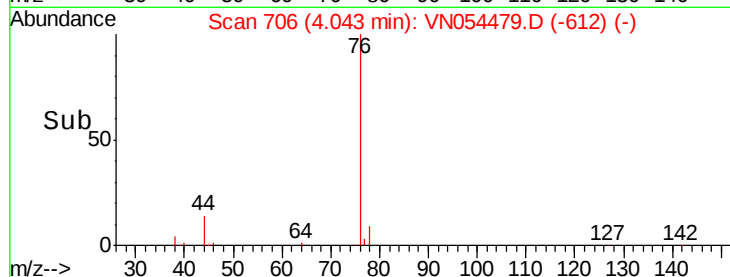
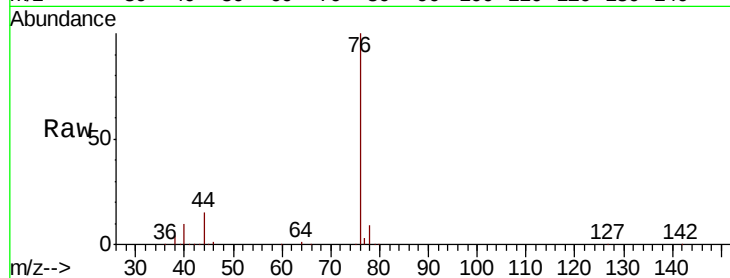
#17
Carbon Disulfide
Concen: 47.113 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

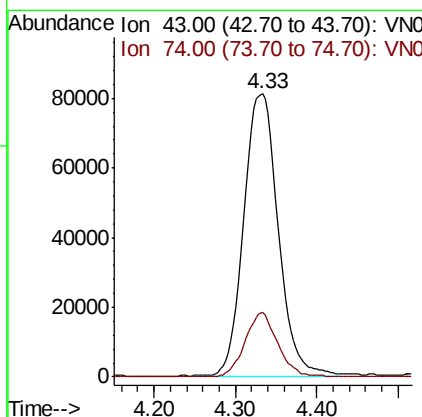
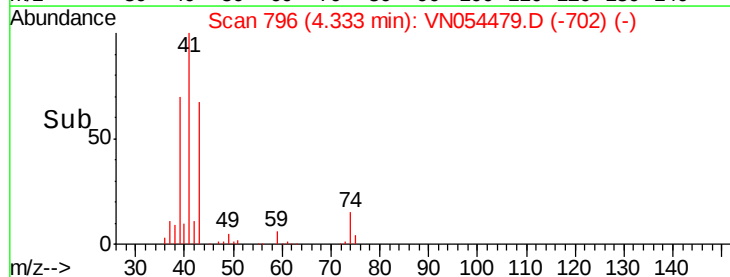
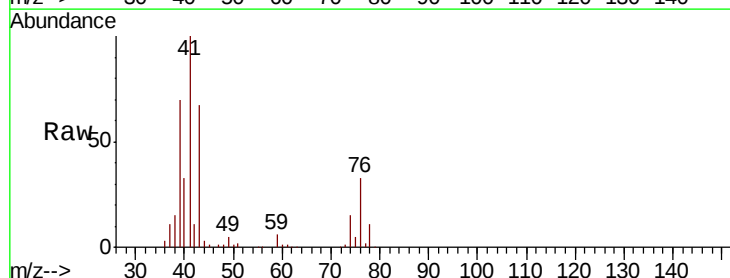
Manual Integrations
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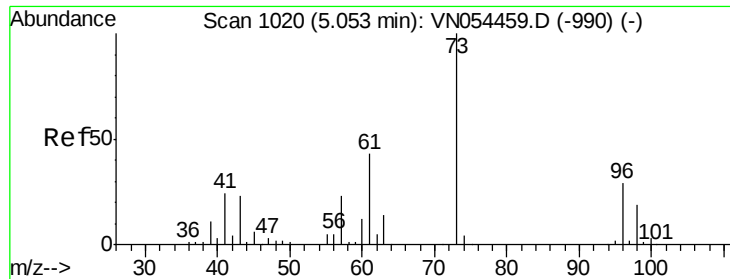
MMDadoda
3/22/2019 3:48:45 PM



#18
Methyl Acetate
Concen: 50.397 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	20.8	31.2





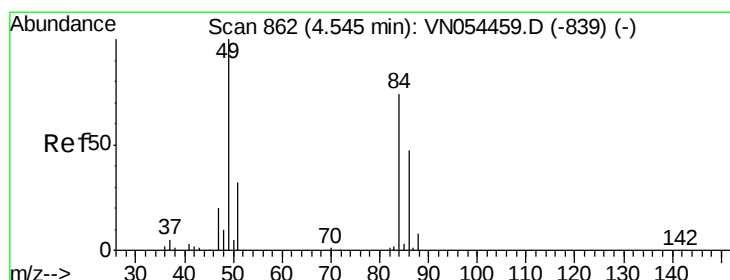
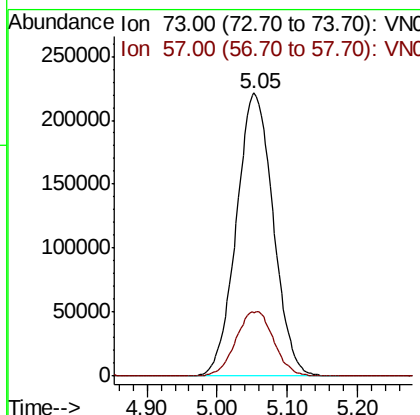
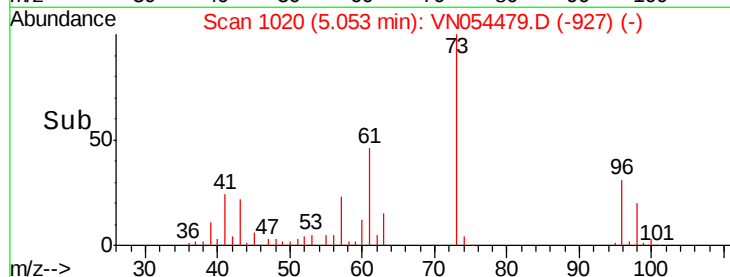
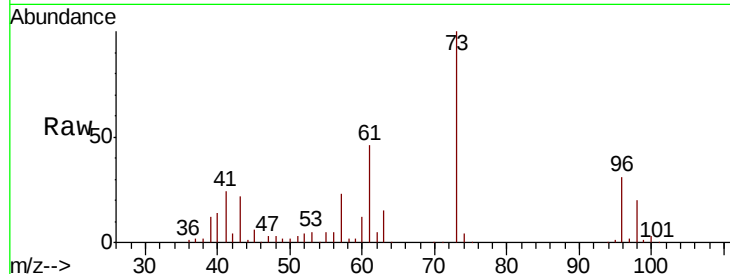
#19
Methvl tert-butvl Ether
Concen: 50.983 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 805439
Ion Ratio Lower Upper
73 100
57 22.5 16.8 25.2

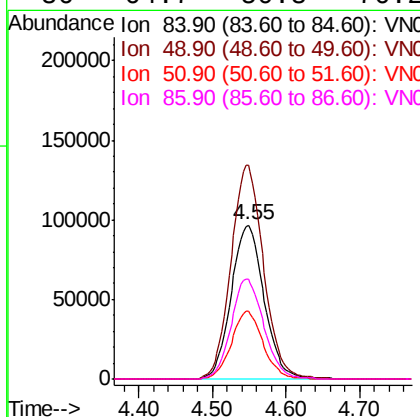
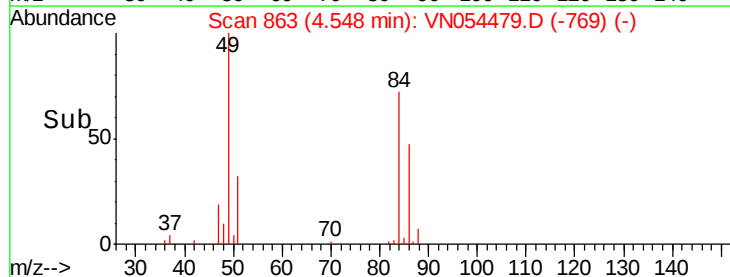
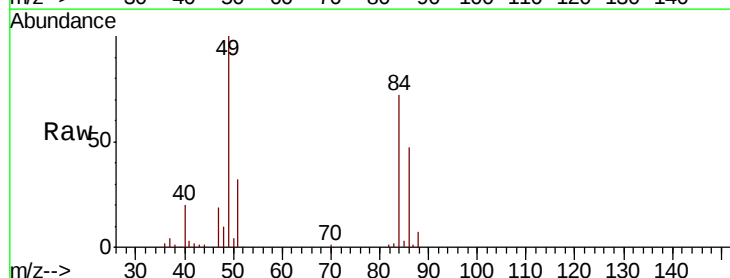
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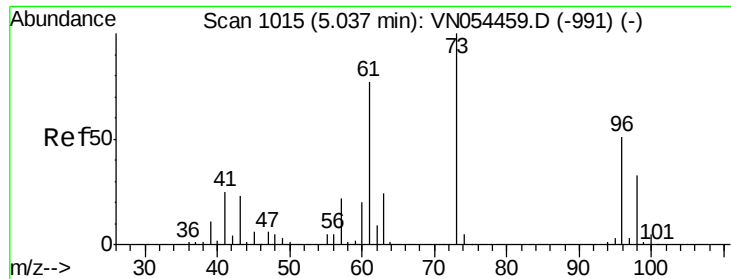
MMDadoda
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#20
Methylene Chloride
Concen: 48.572 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion: 84 Resp: 300503
Ion Ratio Lower Upper
84 100
49 138.6 89.7 134.5#
51 43.9 28.2 42.4#
86 64.7 50.8 76.2





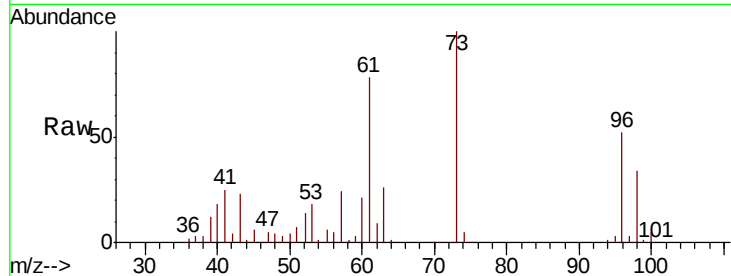
#21
trans-1,2-Dichloroethene
Concen: 51.818 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

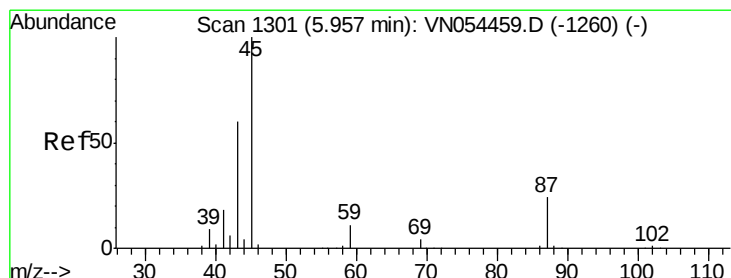
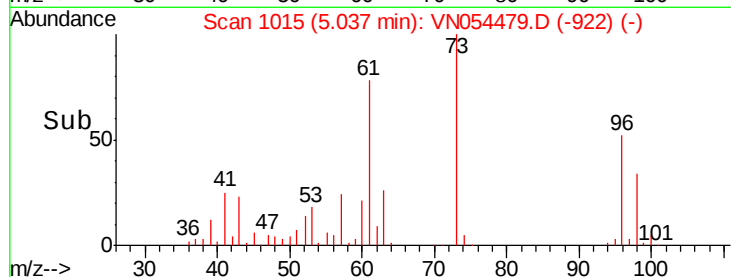
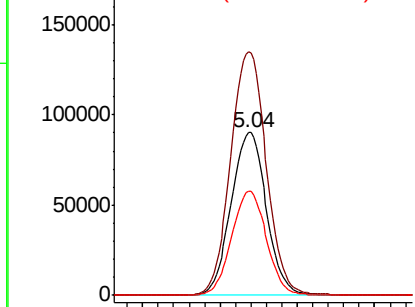
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	102.8	154.2
98	64.3	50.0	75.0

Manual Integrations
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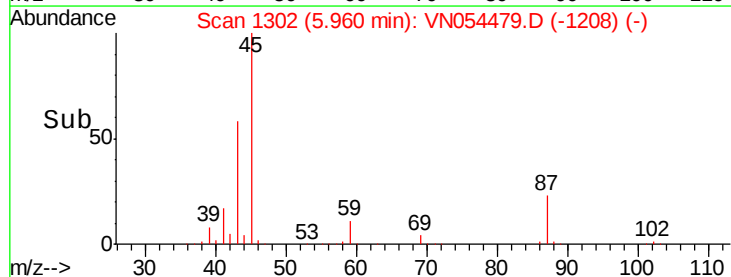
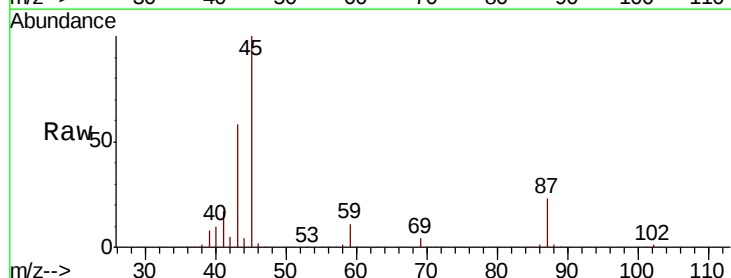
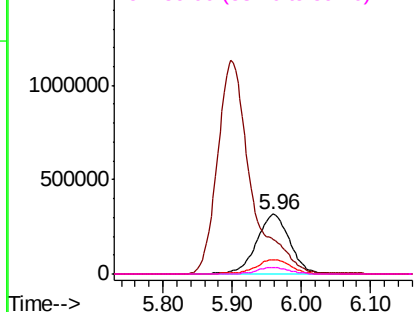
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

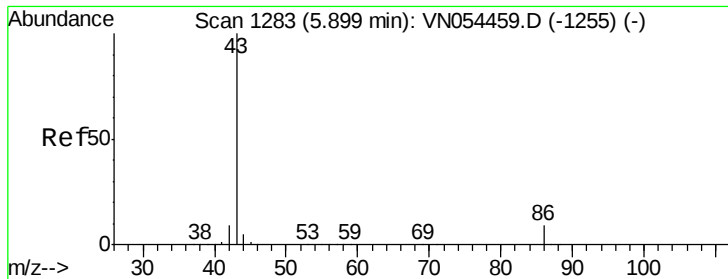


#22
Diisopropyl ether
Concen: 52.648 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	48.2	72.2
87	22.9	24.9	37.3
59	10.3	9.5	14.3

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 268.171 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3808166

Ion Ratio Lower Upper

43 100

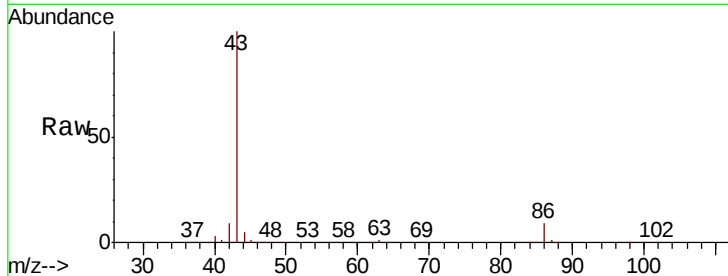
86 8.9 9.1 13.7#

Manual Integrations

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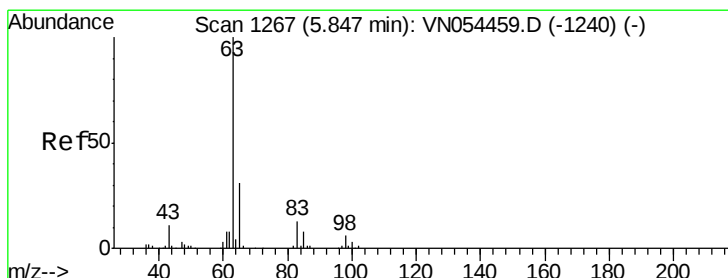
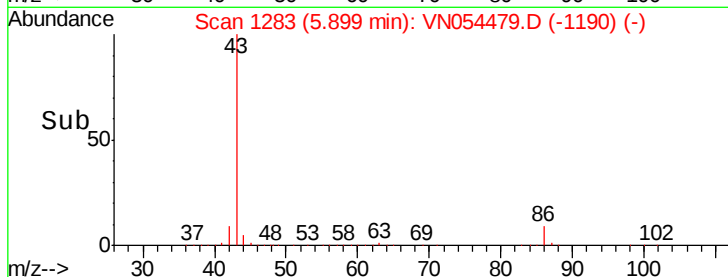
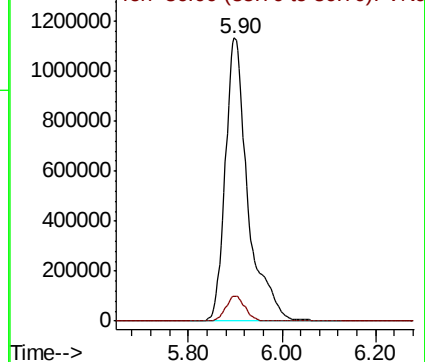
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 52.131 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

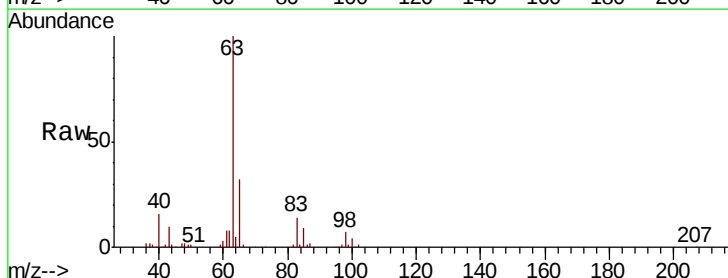
Tgt Ion: 63 Resp: 564369

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

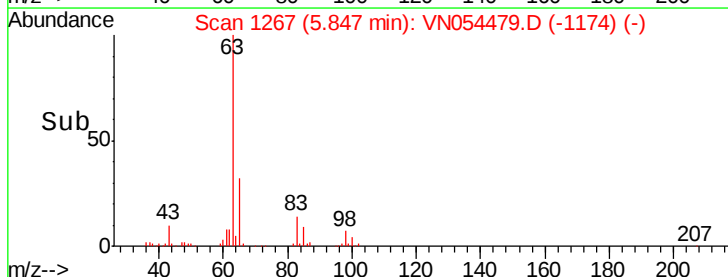
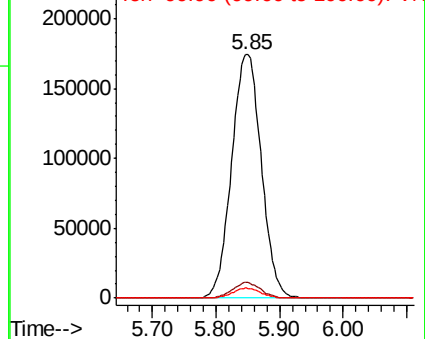
100 4.2 2.0 6.0

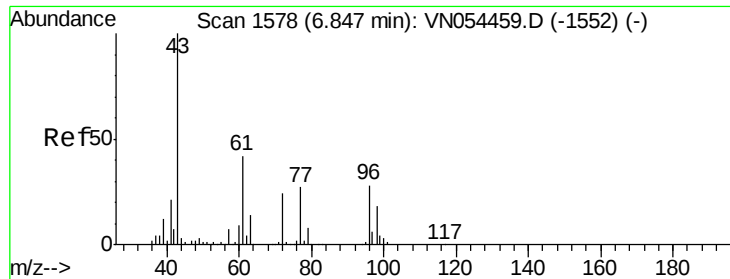


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





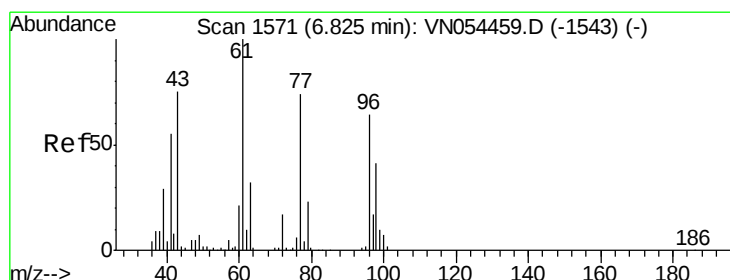
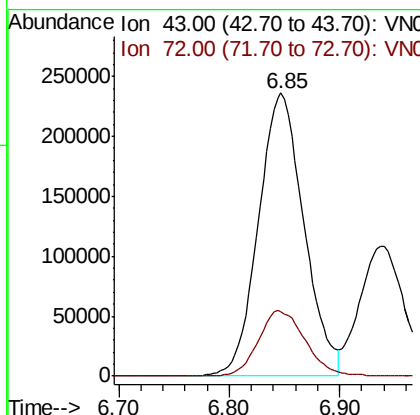
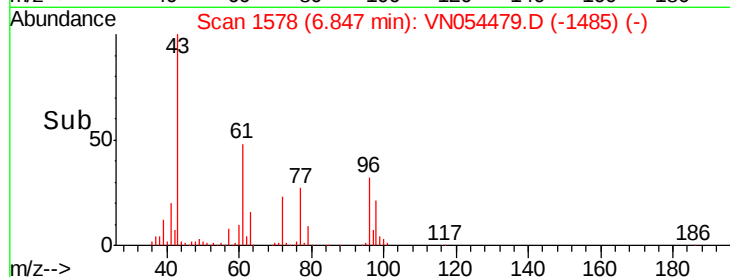
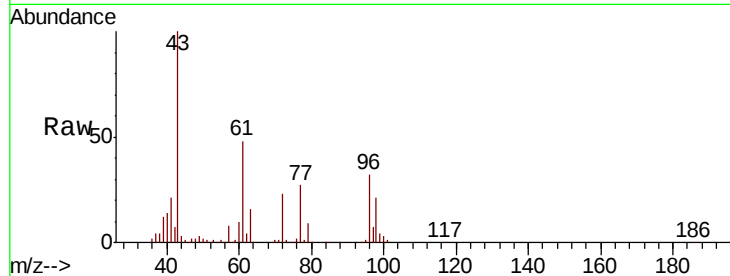
#25
2-Butanone
Concen: 249.889 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 671830
Ion Ratio Lower Upper
43 100
72 22.9 23.0 34.6#

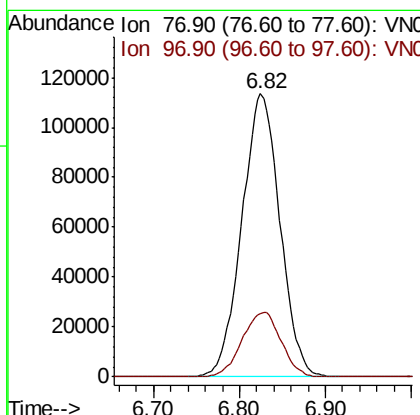
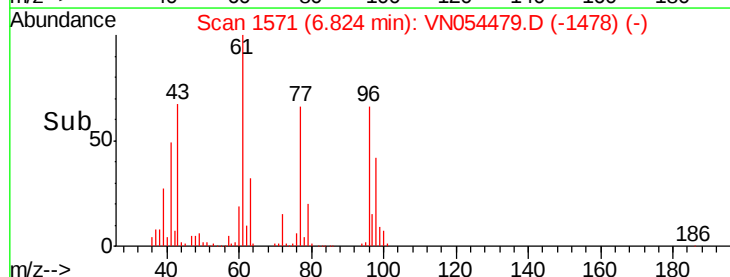
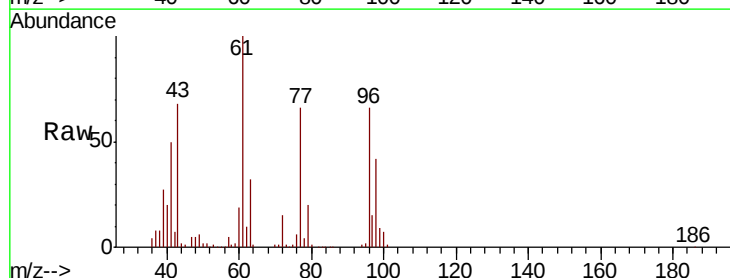
Manual Integrations
APPROVED

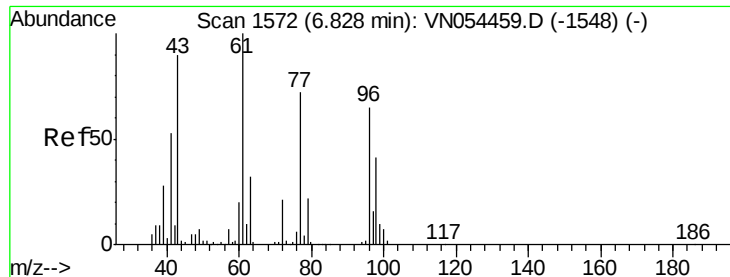
MMDadoda
3/22/2019 3:48:45 PM



#26
2,2-Dichloropropane
Concen: 45.266 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion: 77 Resp: 349331
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.381 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

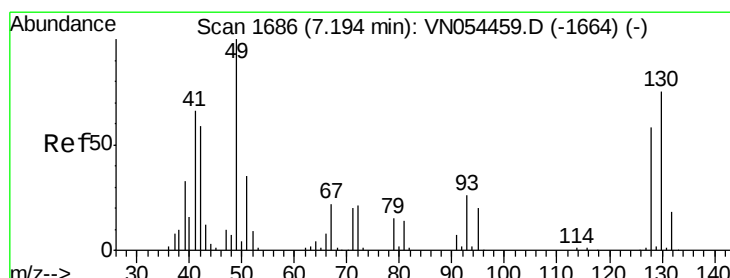
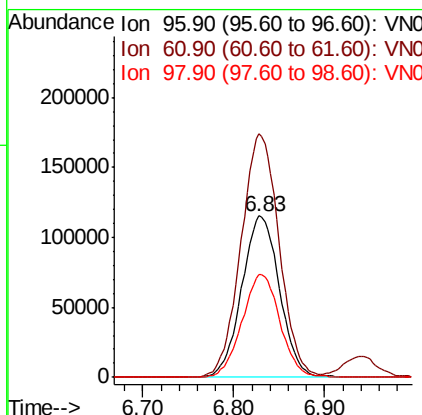
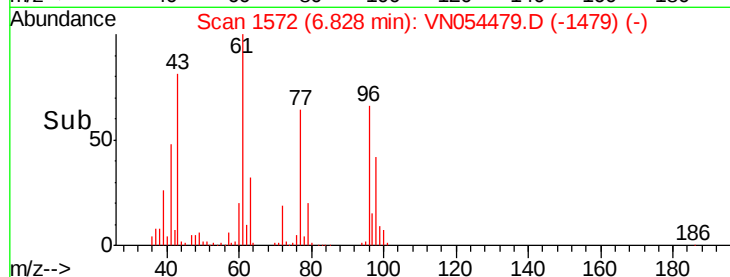
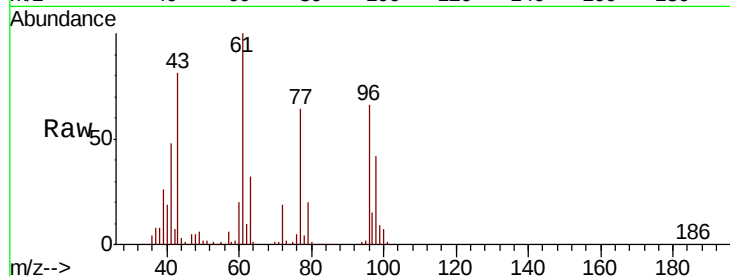
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	332166
Ion Ratio	Lower	Upper	
96	100		
61	152.4	0.0	273.0
98	64.2	0.0	130.6

Manual Integrations
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3/22/2019 3:48:45 PM



#28

Bromochloromethane

Concen: 50.326 ug/l

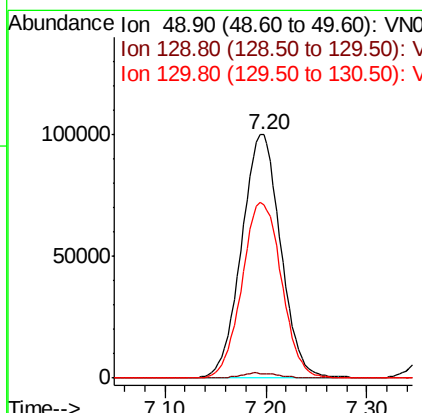
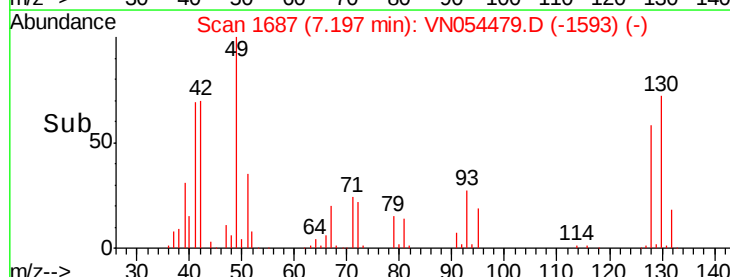
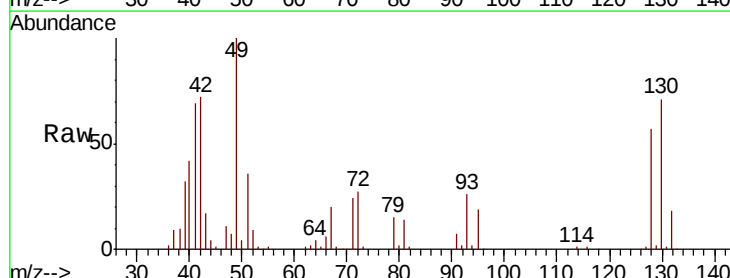
RT: 7.20 min Scan# 1687

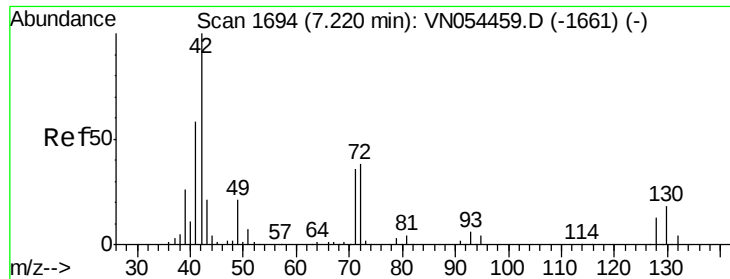
Delta R.T. 0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Tgt Ion:	49	Resp:	268176
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.6
130	73.2	76.7	115.1#





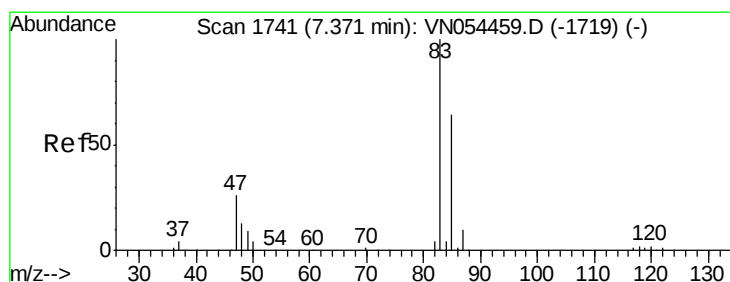
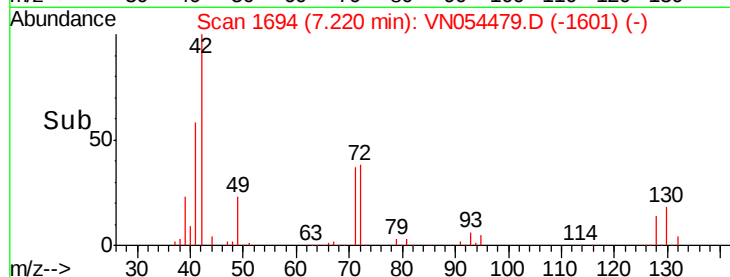
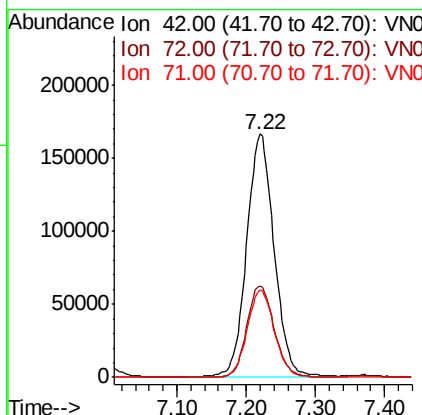
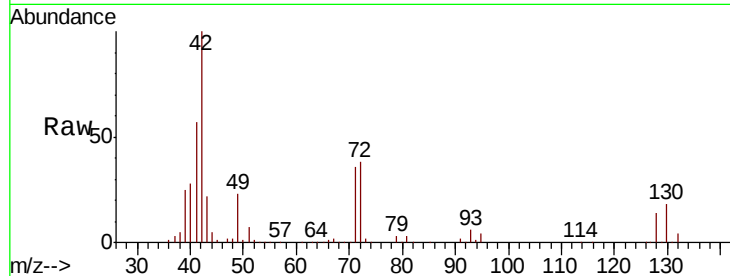
#29
Tetrahydrofuran
Concen: 262.578 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	37.8	56.6#
71	35.4	36.2	54.2#

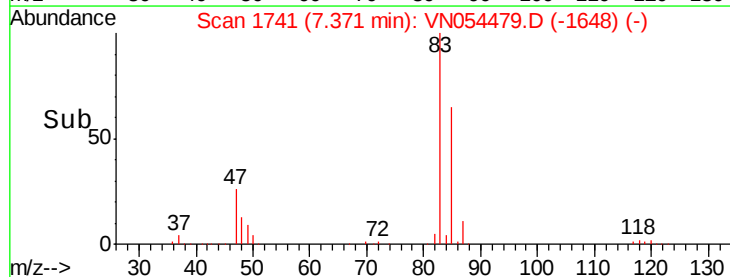
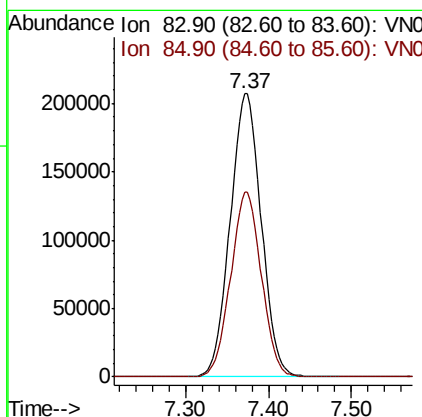
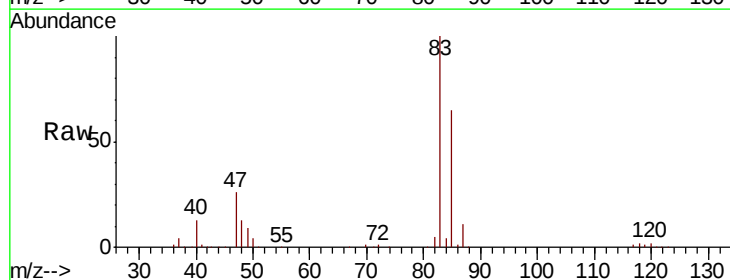
Manual Integrations
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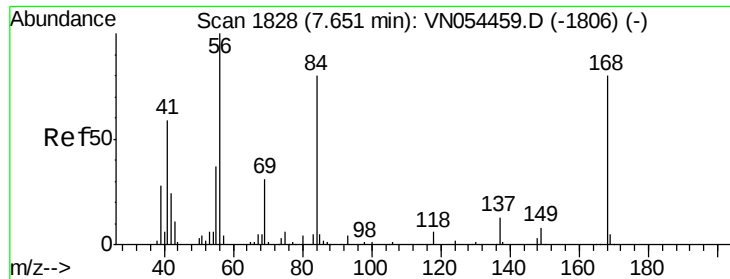
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#30
Chloroform
Concen: 51.140 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4





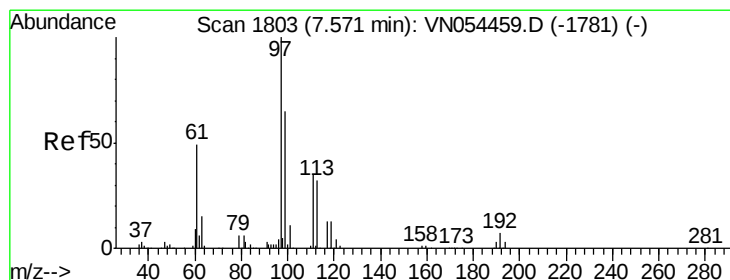
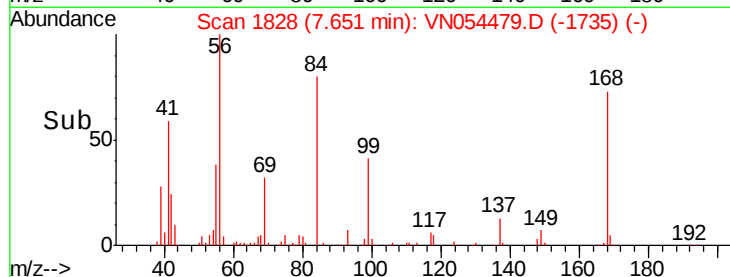
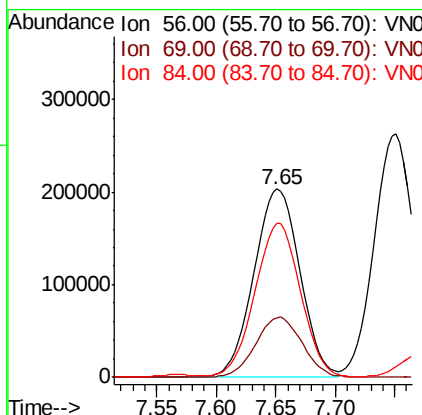
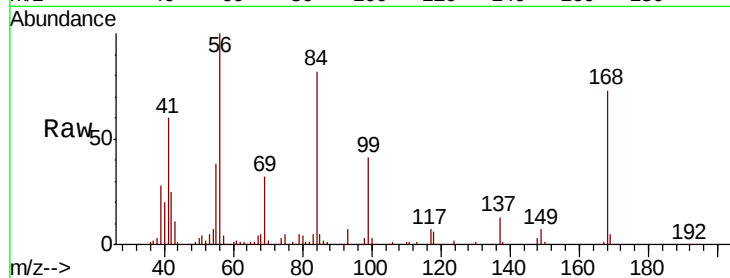
#31
Cyclohexane
Concen: 52.697 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.8	41.6
84	80.8	74.6	111.8

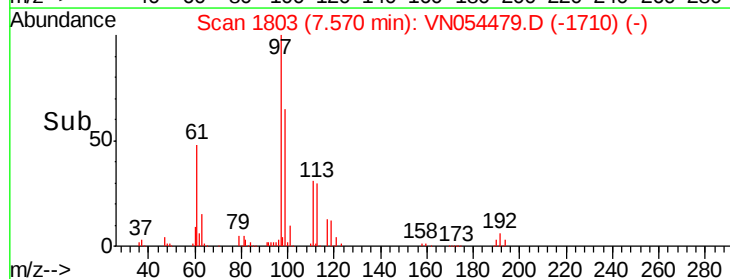
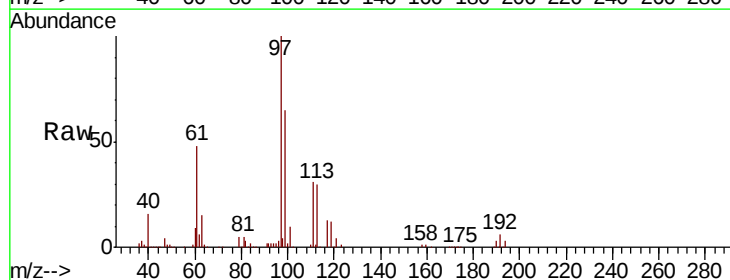
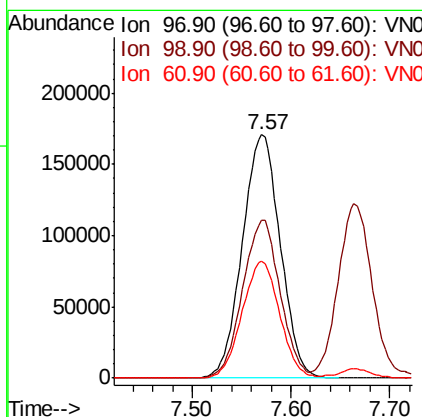
Manual Integrations
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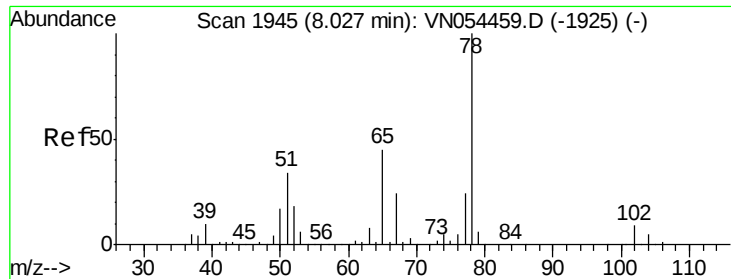
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.114 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	47.4	33.6	50.4





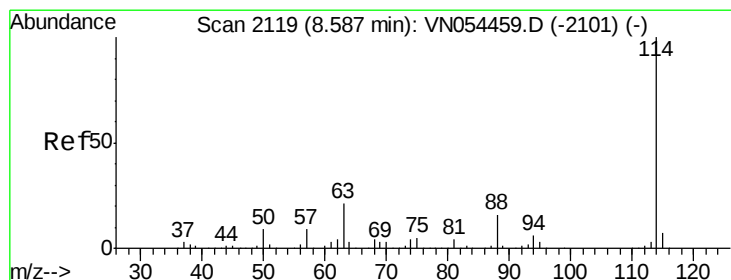
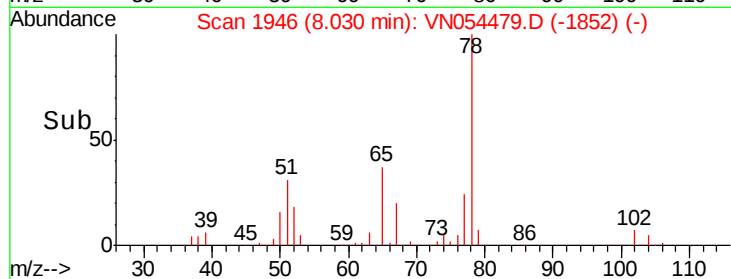
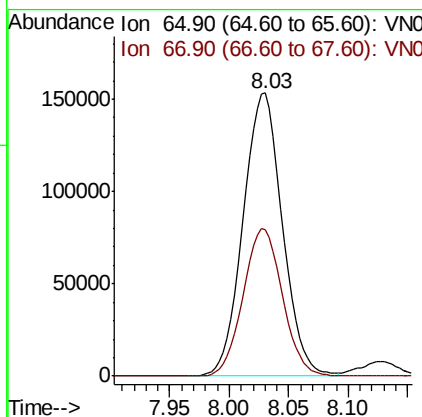
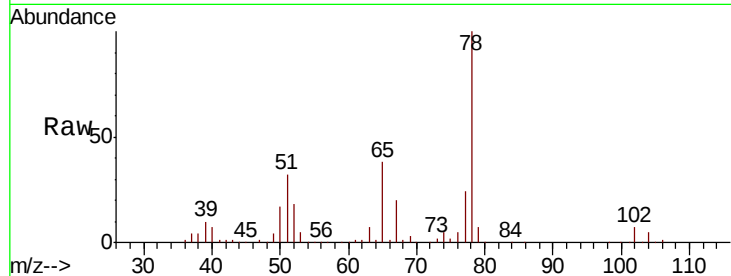
#33
 1,2-Dichloroethane-d4
 Concen: 50.317 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	104.6	

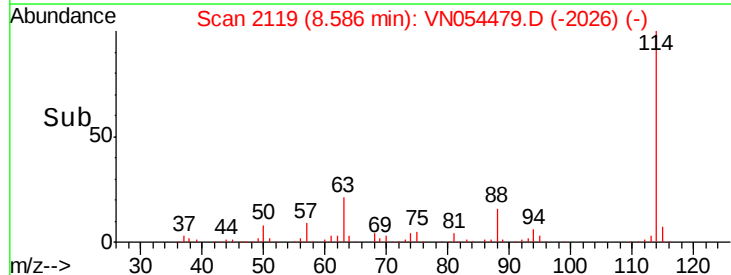
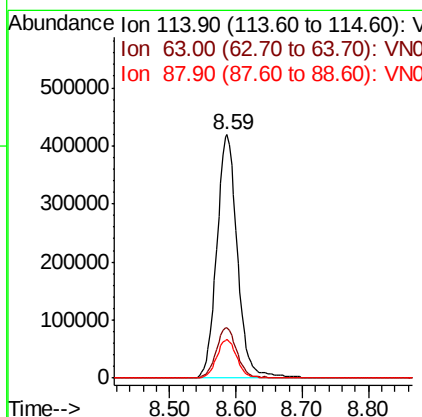
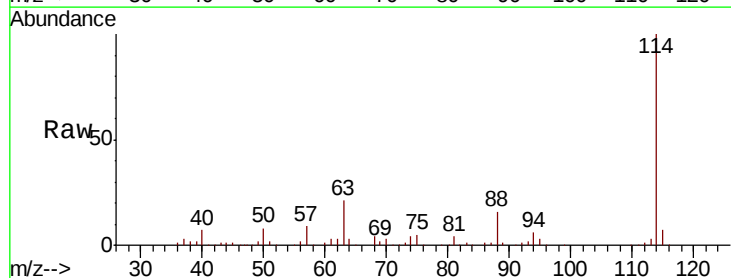
Manual Integrations
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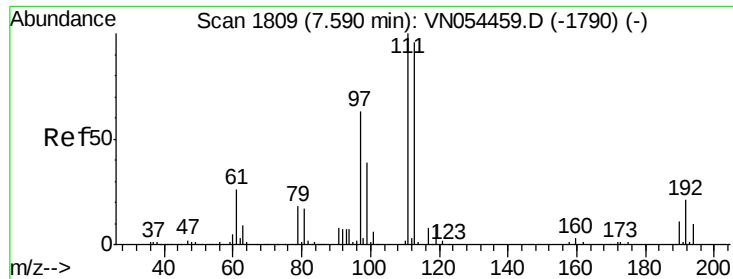
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	35.2	
88	15.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.268 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

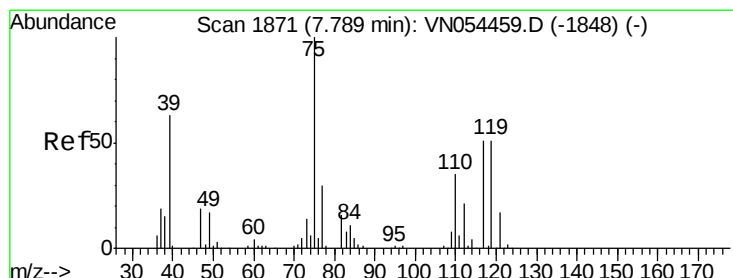
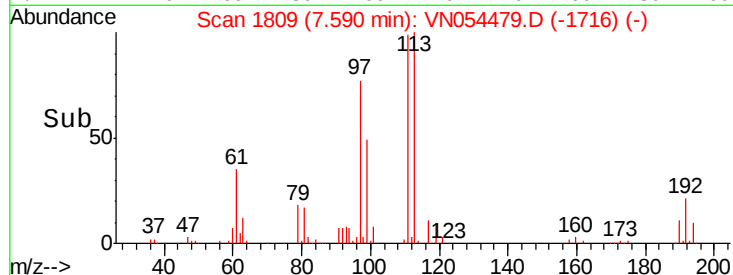
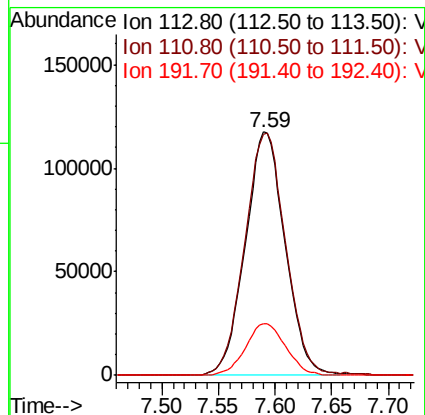
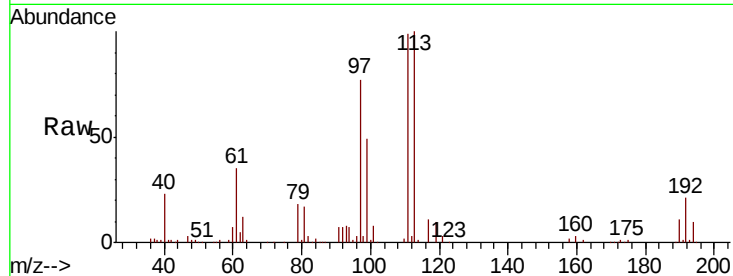
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	286768
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.2	123.4
192	21.5	19.2	28.8

Manual Integrations
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3/22/2019 3:48:45 PM



#36

1,1-Dichloropropene

Concen: 50.390 ug/l

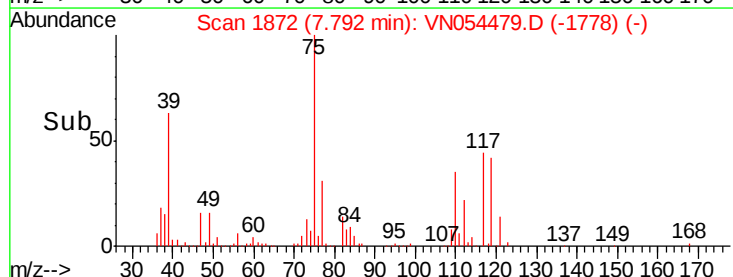
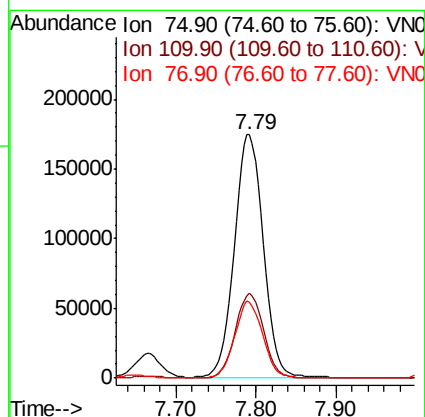
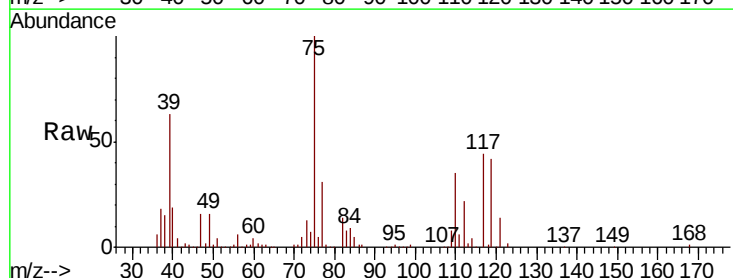
RT: 7.79 min Scan# 1872

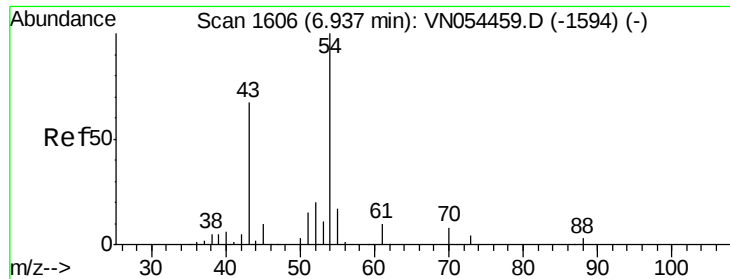
Delta R.T. 0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Tgt Ion:	75	Resp:	425663
Ion Ratio	Lower	Upper	
75	100		
110	34.2	19.1	57.5
77	30.9	25.0	37.4





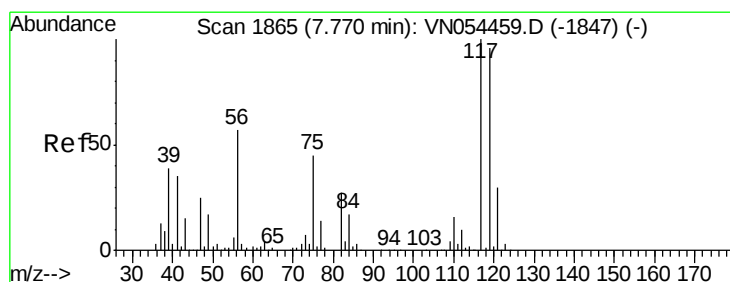
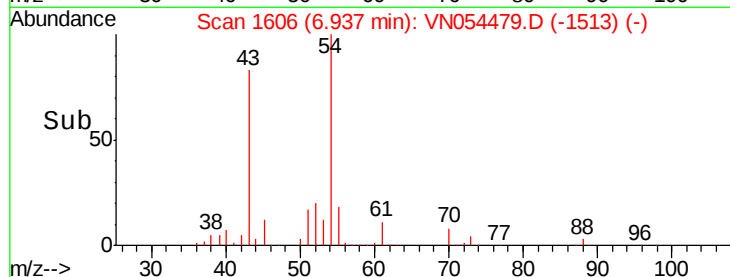
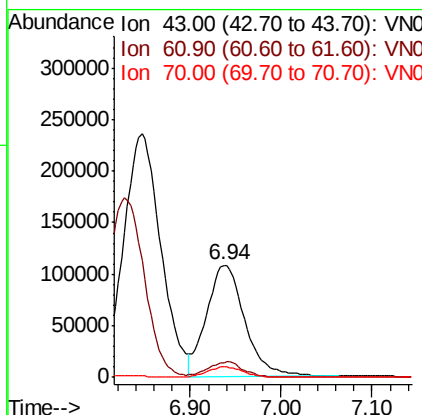
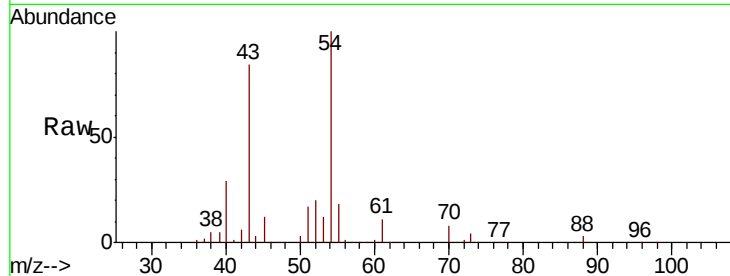
#37
Ethyl Acetate
Concen: 51.989 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.9	8.4	12.6

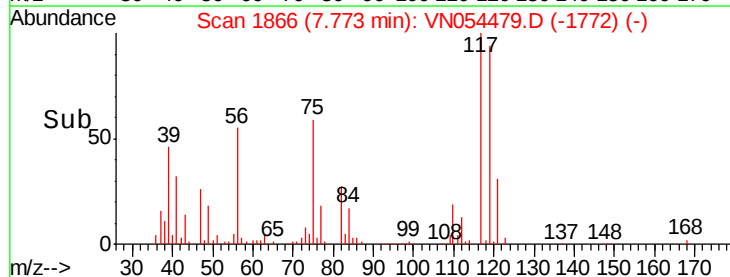
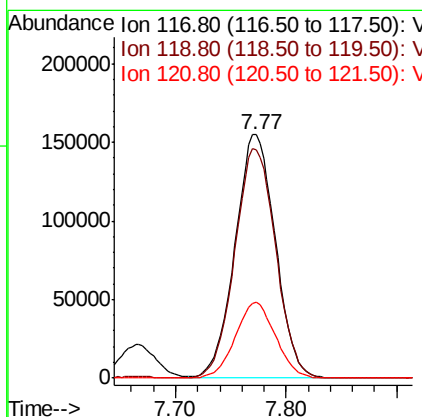
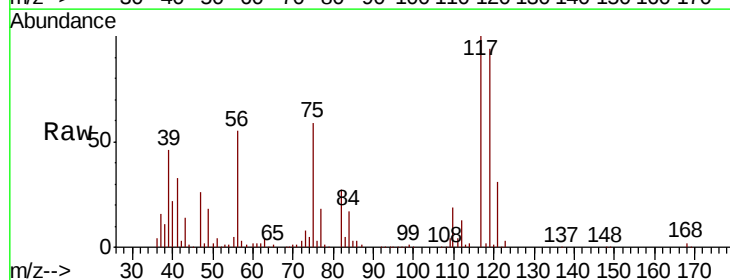
Manual Integrations
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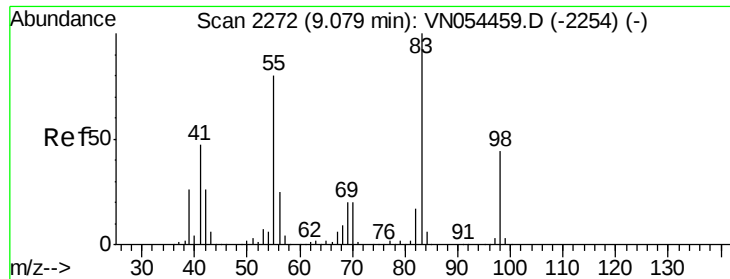
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#38
Carbon Tetrachloride
Concen: 47.602 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.3	114.5
121	31.1	24.6	36.8





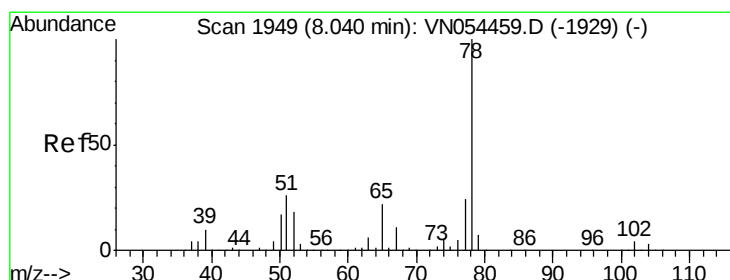
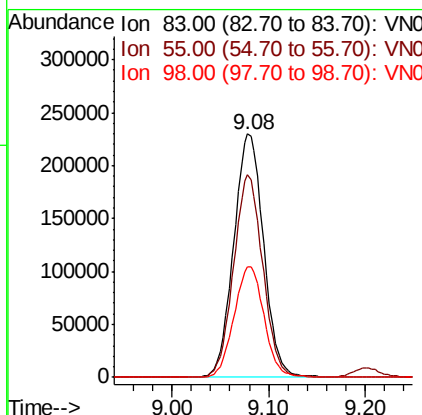
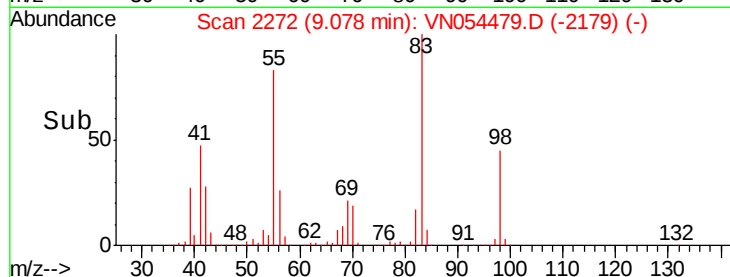
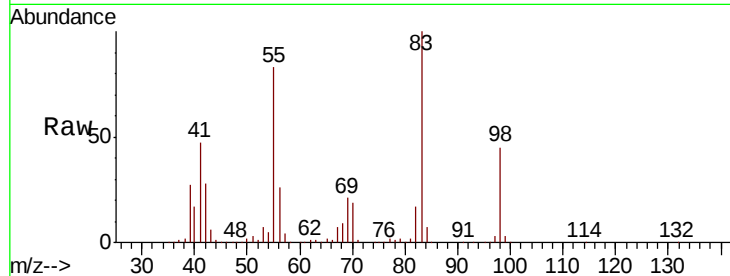
#39
Methvlcvclohexane
Concen: 51.079 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	56.6	84.8
98	45.5	38.4	57.6

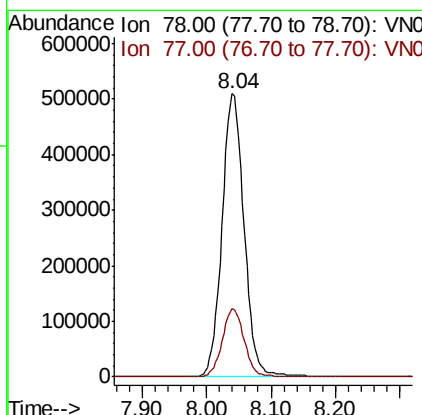
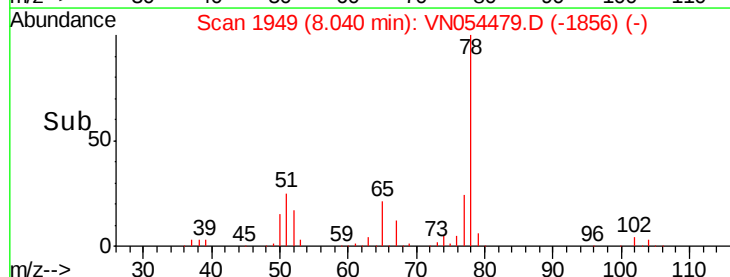
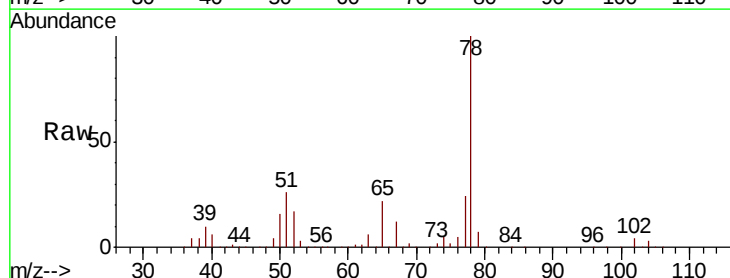
Manual Integrations
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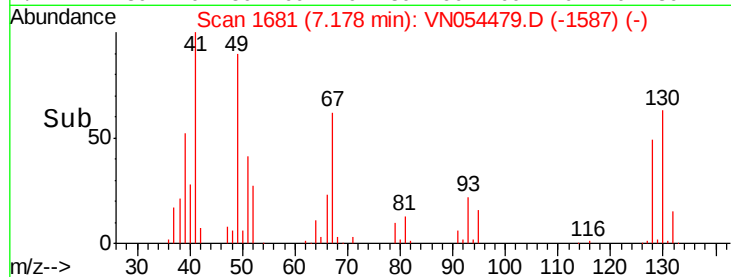
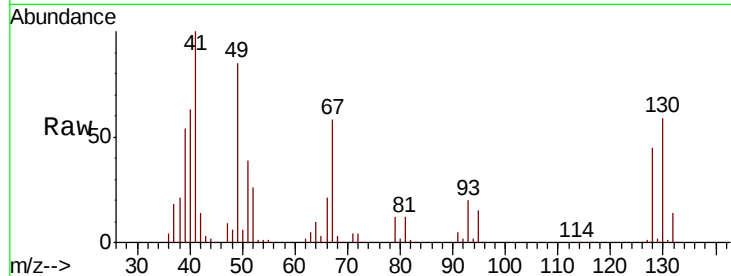
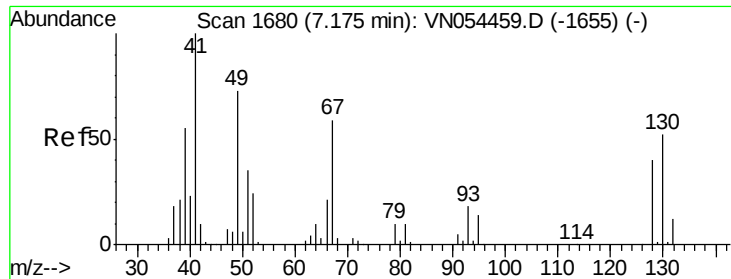
MMDadoda
3/22/2019 3:48:45 PM



#40
Benzene
Concen: 50.294 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





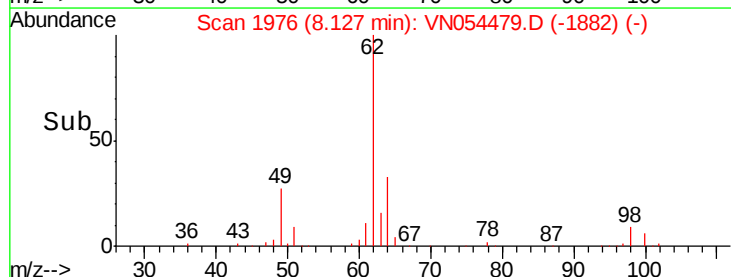
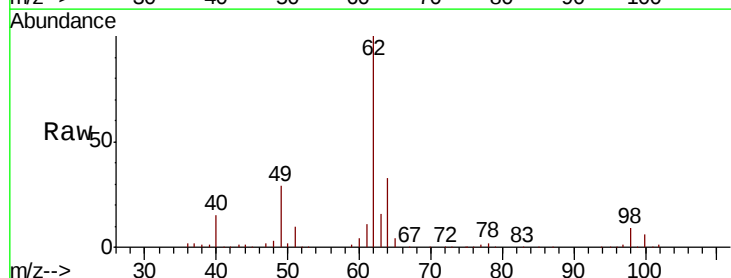
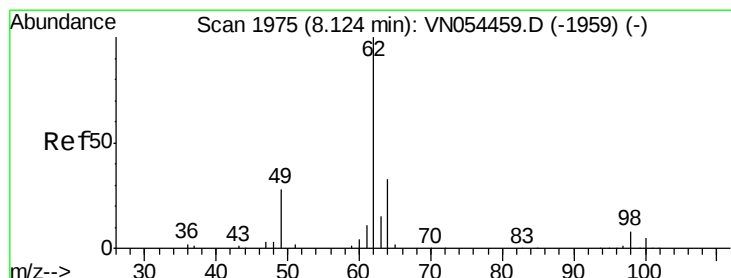
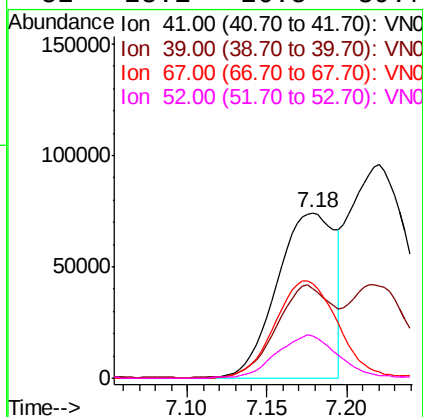
#41
Methacrylonitrile
Concen: 51.242 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	46.8	70.2
67	64.7	67.0	100.4
52	28.1	26.5	39.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

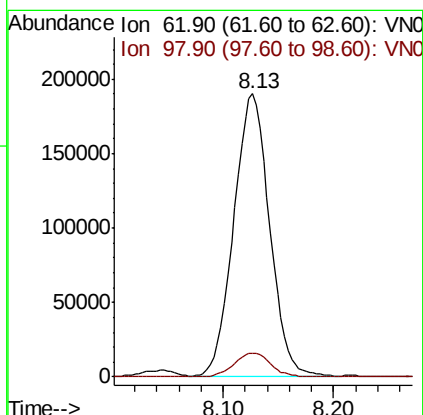
Manual Integrations
APPROVED

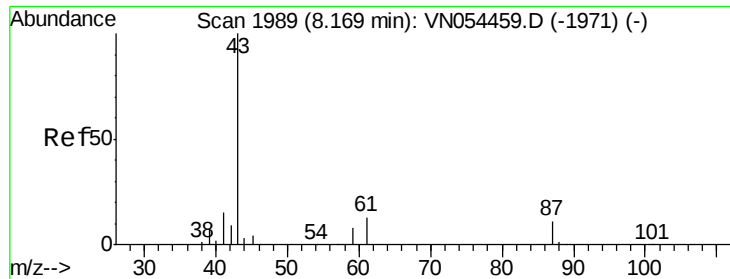
MMDadoda
3/22/2019 3:48:45 PM



#42
1,2-Dichloroethane
Concen: 48.403 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 52.647 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

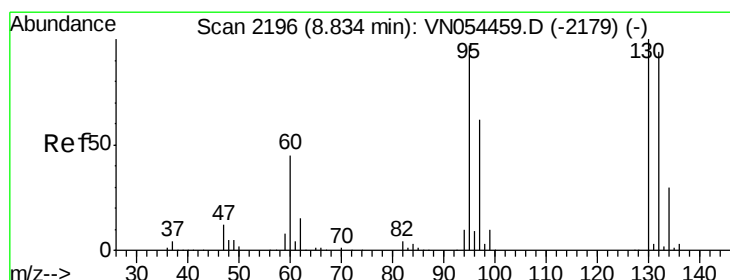
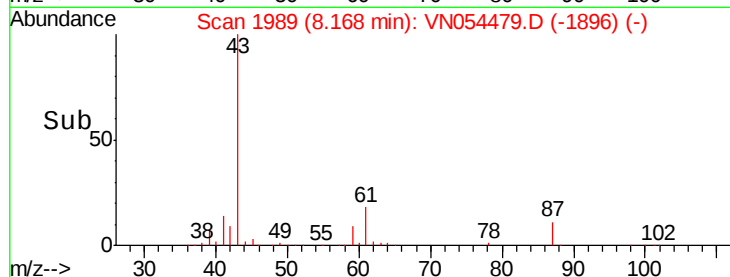
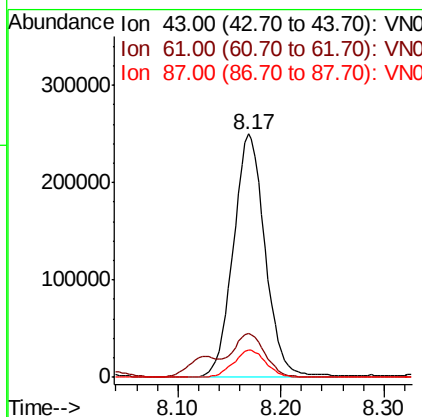
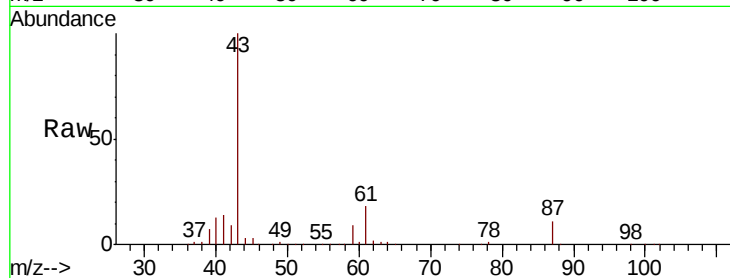
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	534200
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.8	23.8
87	11.4	12.0	18.0#

Manual Integrations
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MMDadoda
3/22/2019 3:48:45 PM



#44

Trichloroethene

Concen: 49.512 ug/l

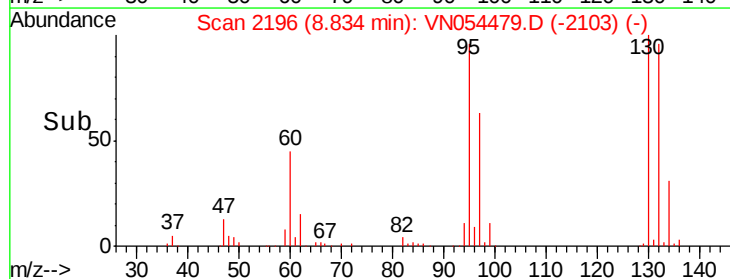
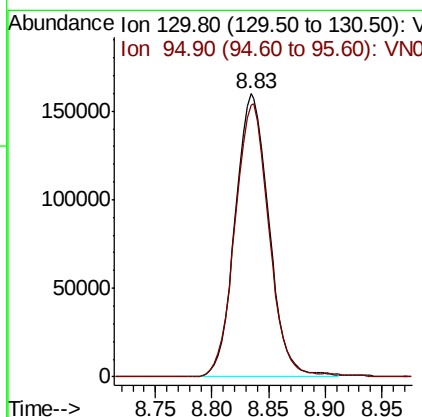
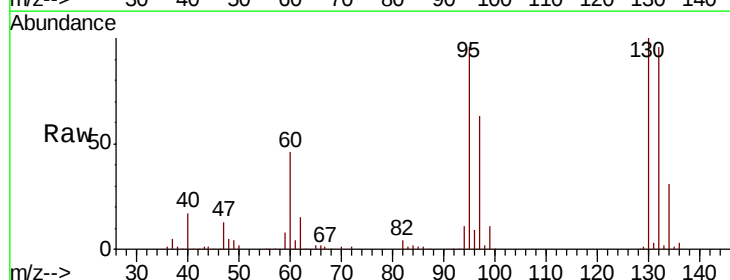
RT: 8.83 min Scan# 2196

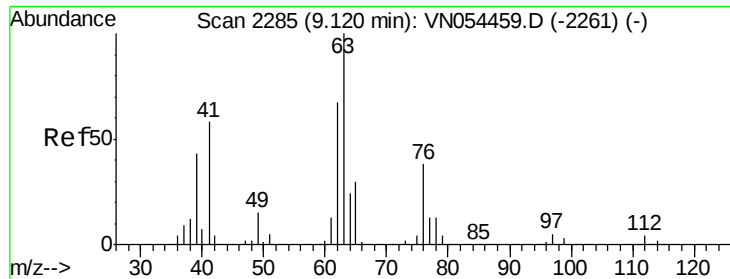
Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Tgt Ion:	130	Resp:	332511
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	185.2





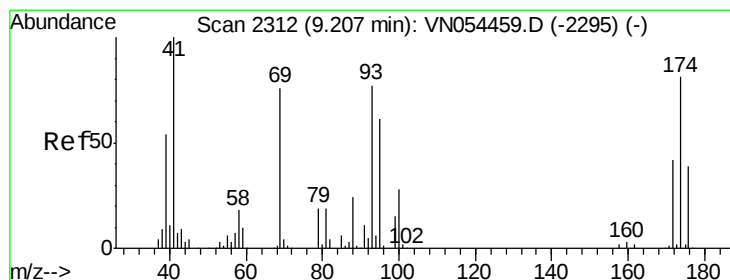
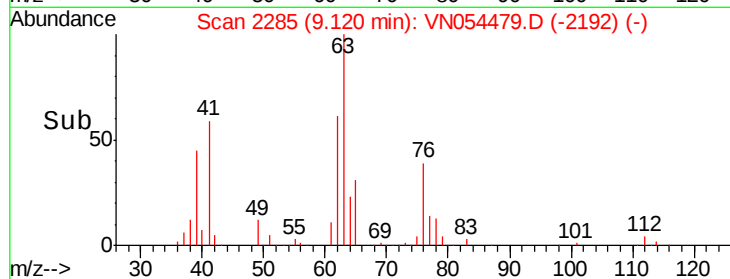
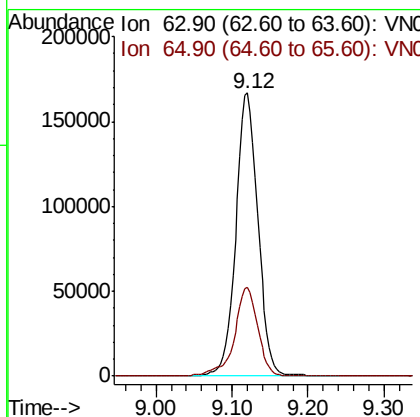
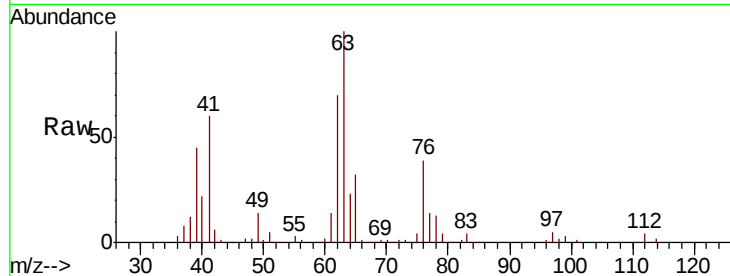
#45
 1,2-Dichloropropane
 Concen: 51.786 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 335902
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

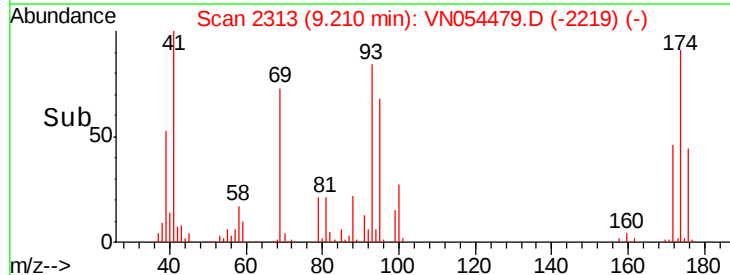
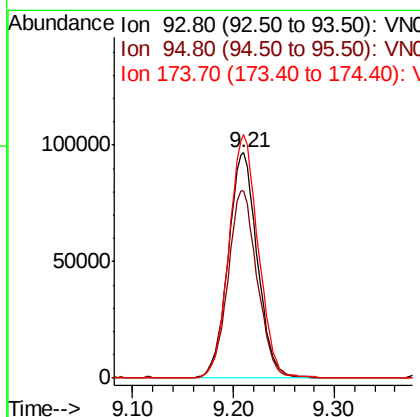
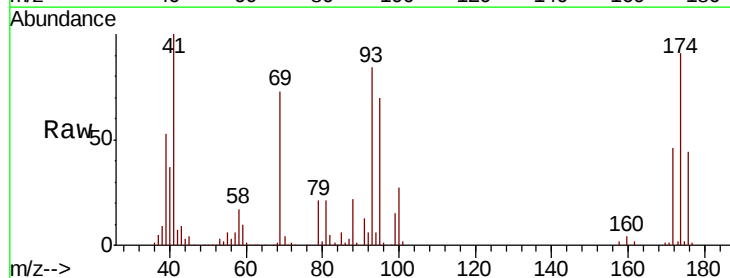
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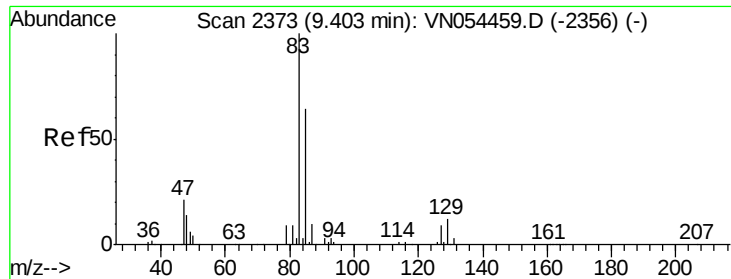
MMDadoda
 3/22/2019 3:48:45 PM



#46
 Dibromomethane
 Concen: 50.497 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion: 93 Resp: 195405
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 108.0 98.5 147.7





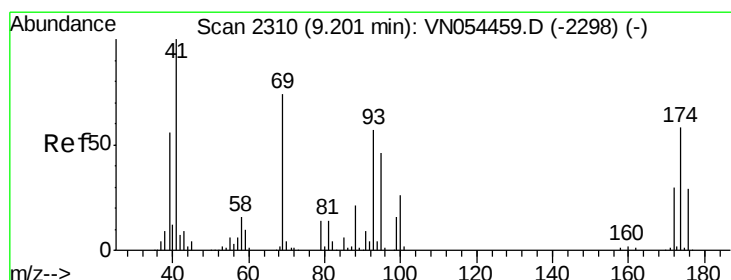
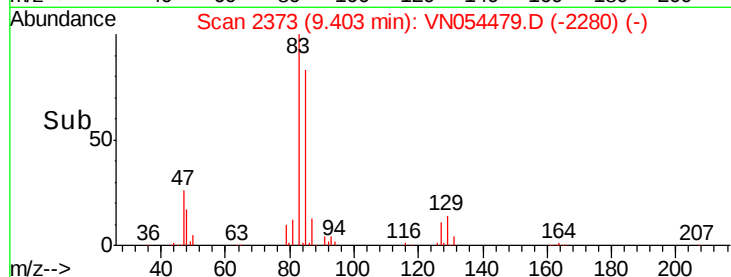
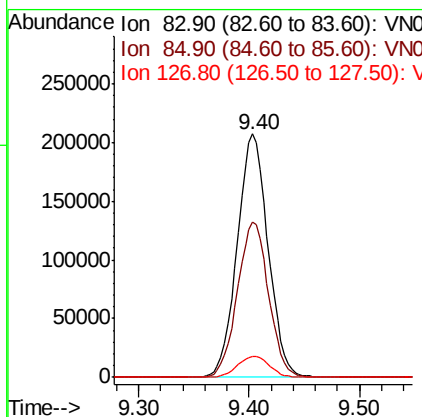
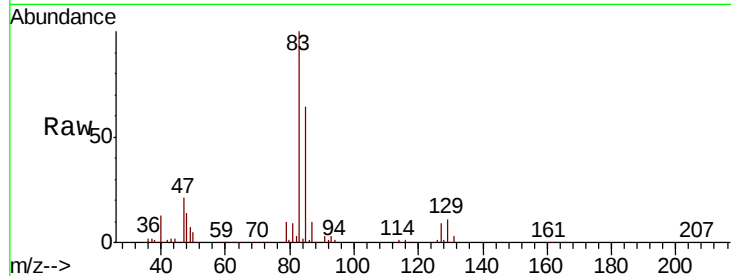
#47
Bromodichloromethane
Concen: 49.978 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	401361		
85	63.7	52.8	79.2	
127	8.8	7.4	11.2	

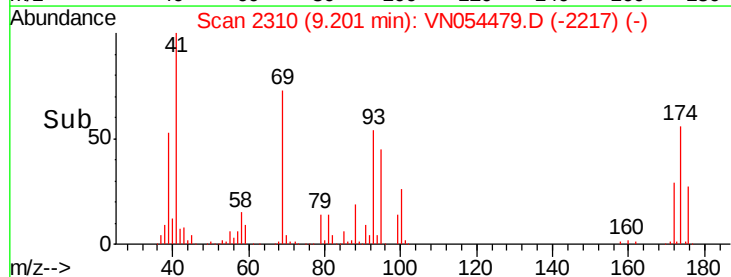
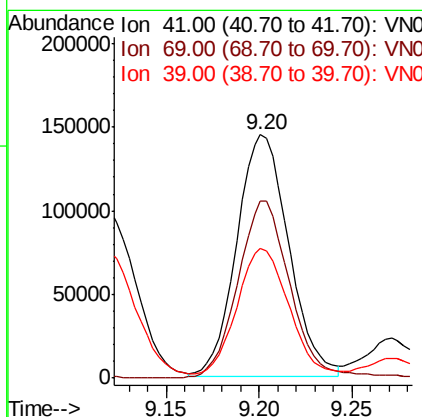
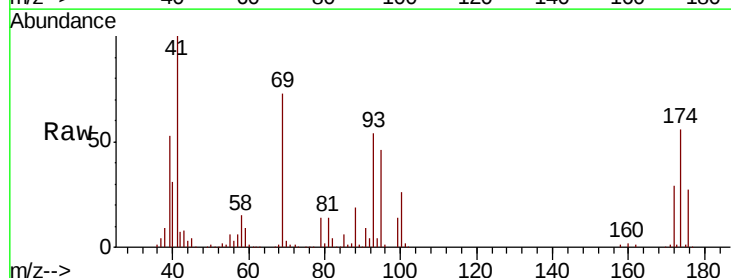
Manual Integrations
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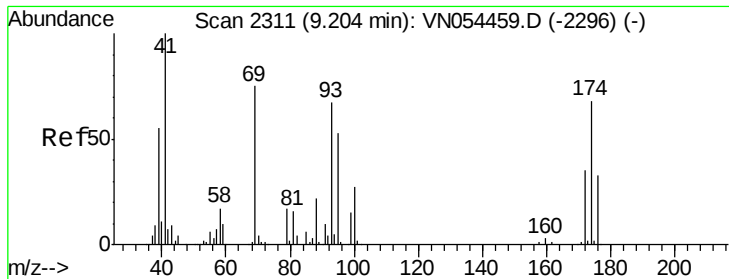
MMDadoda
3/22/2019 3:48:45 PM



#48
Methyl methacrylate
Concen: 51.179 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	281858		
69	73.7	72.6	108.8	
39	53.8	47.5	71.3	





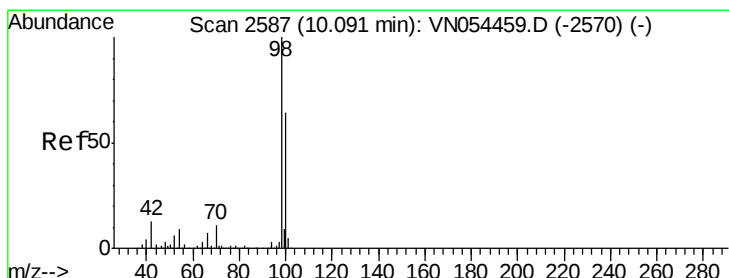
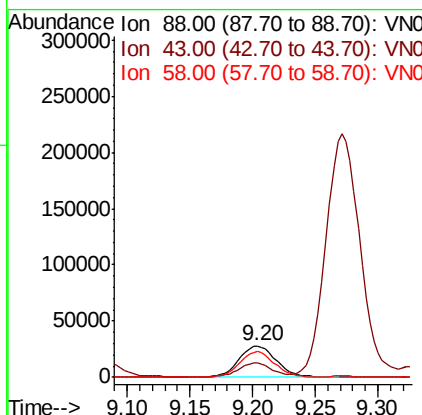
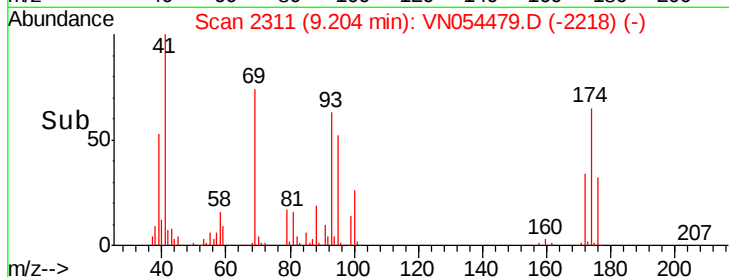
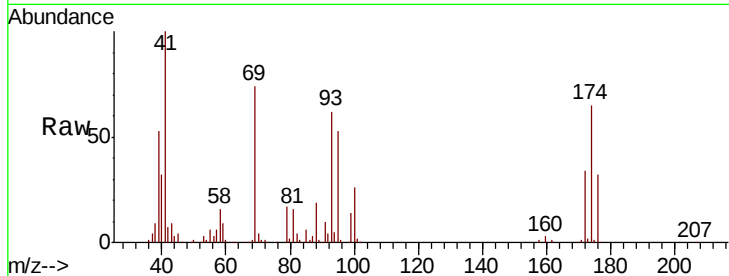
#49
1,4-Dioxane
Concen: 947.428 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	24.1	36.1#
58	77.7	50.8	76.2#

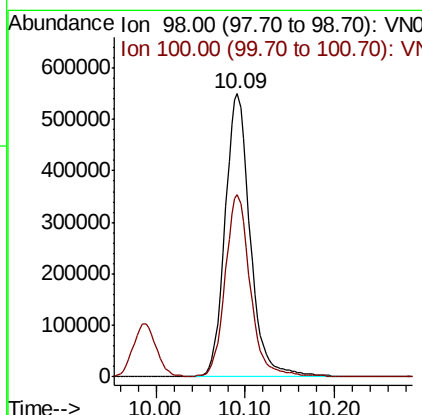
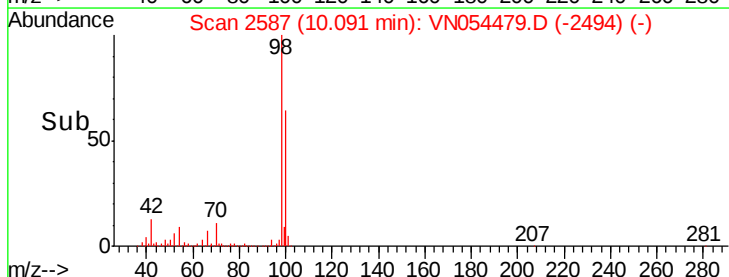
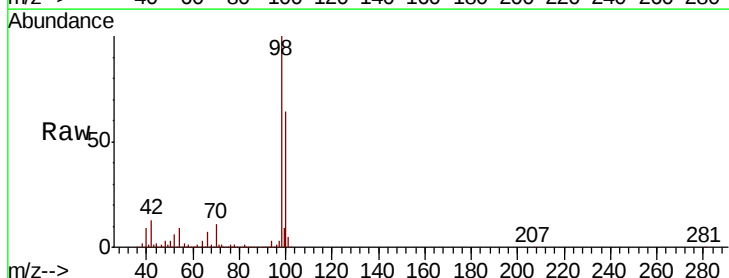
Manual Integrations
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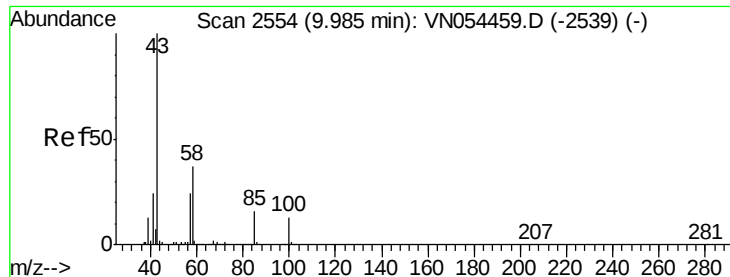
MMDadoda
3/22/2019 3:48:45 PM



#50
Toluene-d8
Concen: 49.067 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 259.701 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1460407

Ion Ratio Lower Upper

43 100

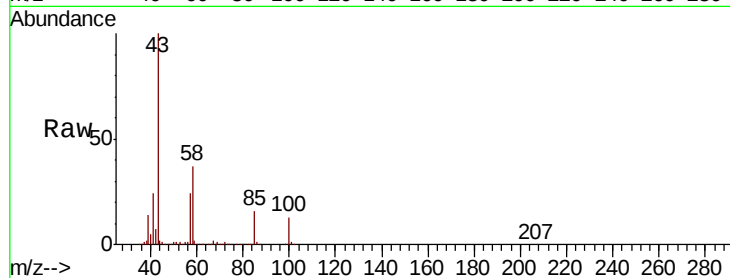
58 36.8 31.8 47.6

Manual Integrations

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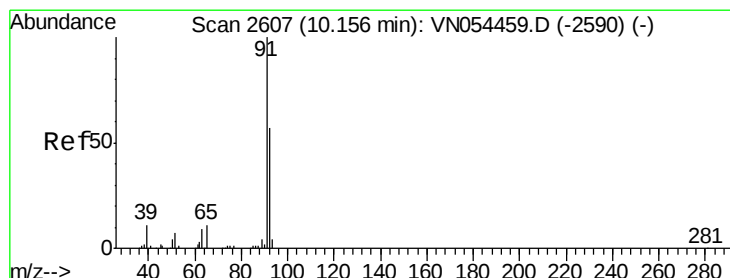
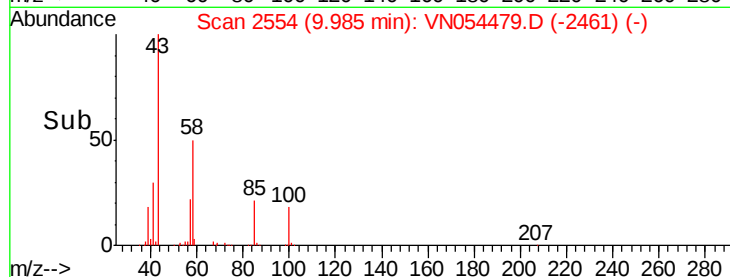
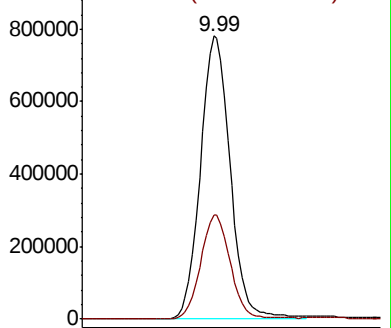
MMDadoda

3/22/2019 3:48:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.816 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054479.D

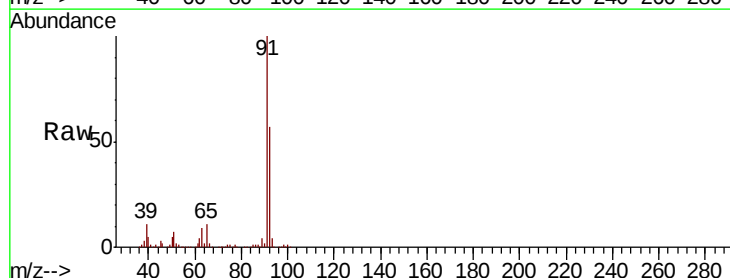
Acq: 20 Mar 2019 22:54

Tgt Ion: 92 Resp: 740124

Ion Ratio Lower Upper

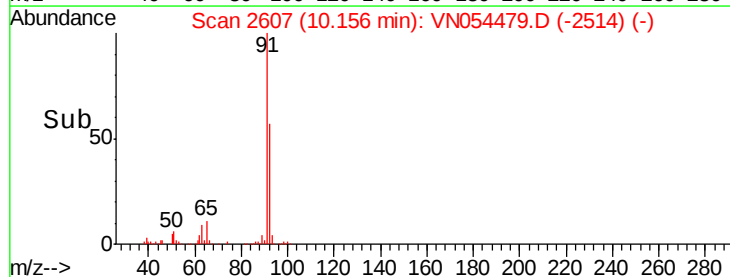
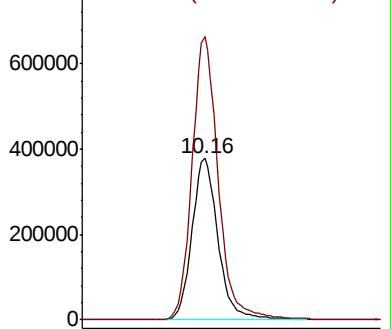
92 100

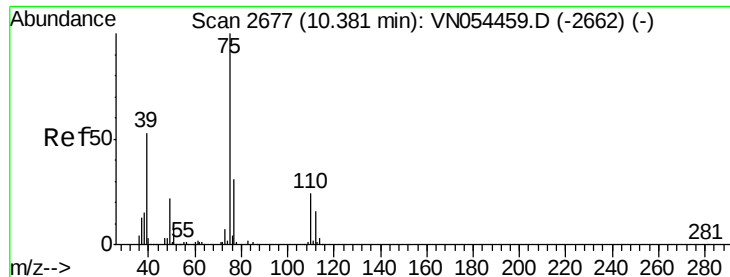
91 175.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





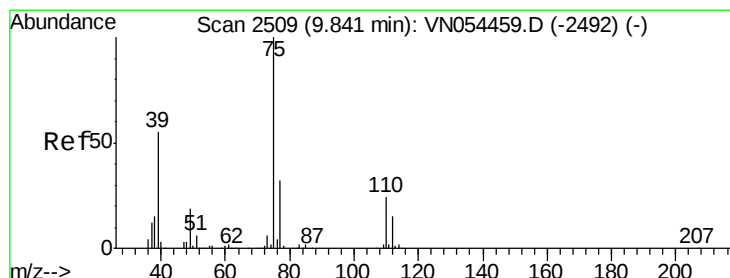
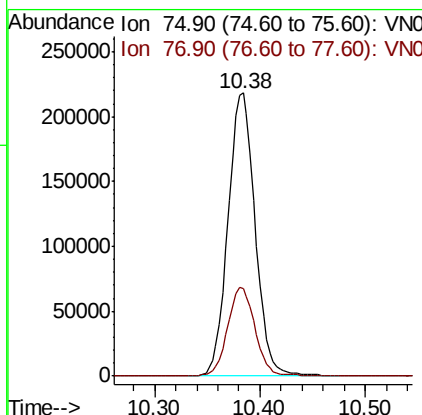
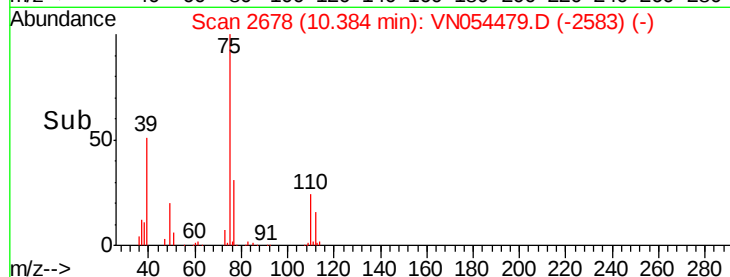
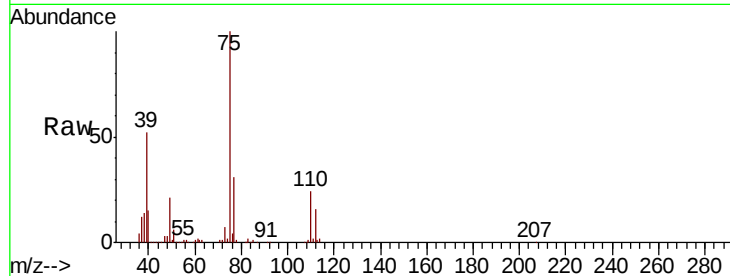
#53
t-1,3-Dichloropropene
Concen: 46.096 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 388962
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.8

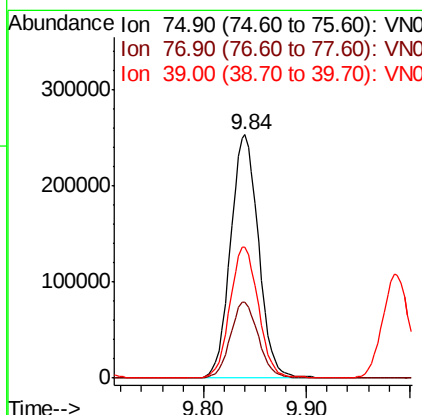
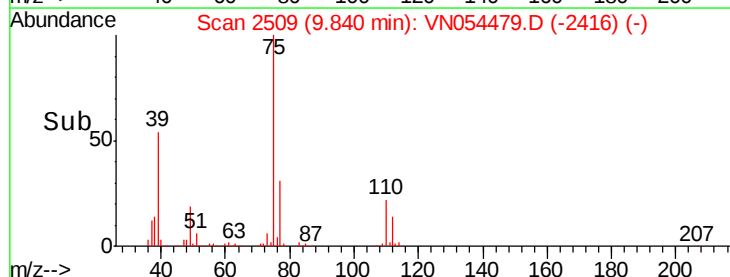
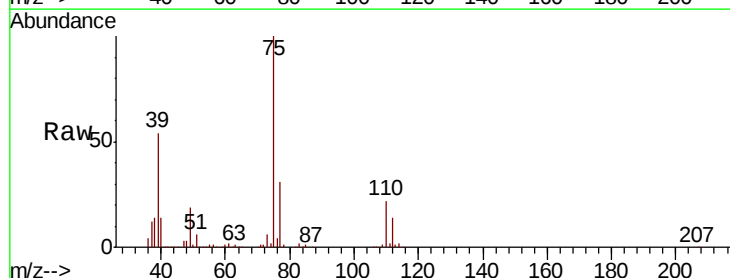
Manual Integrations
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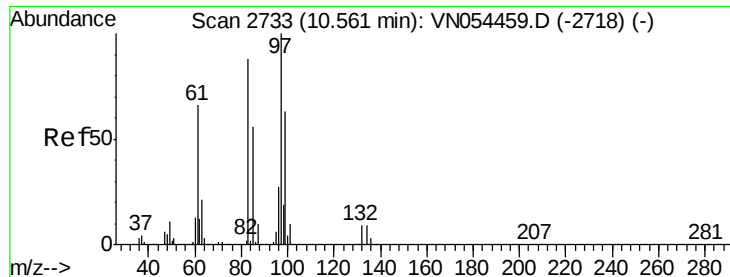
MMDadoda
3/22/2019 3:48:45 PM



#54
cis-1,3-Dichloropropene
Concen: 51.938 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion: 75 Resp: 478252
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 53.5 37.2 55.8





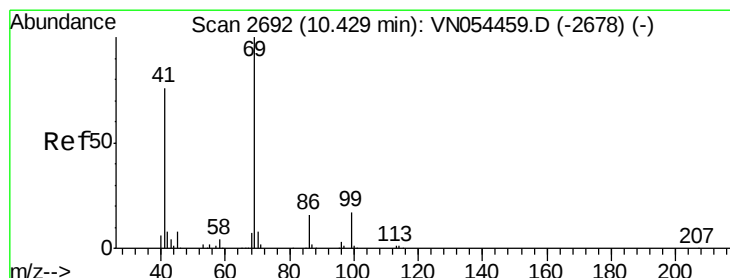
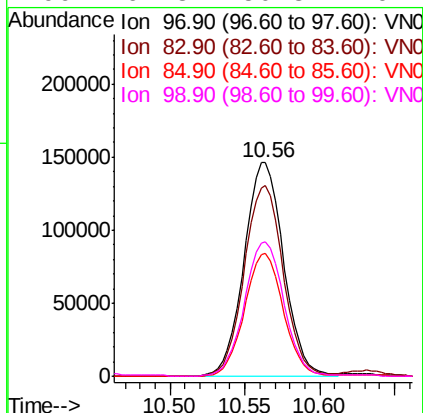
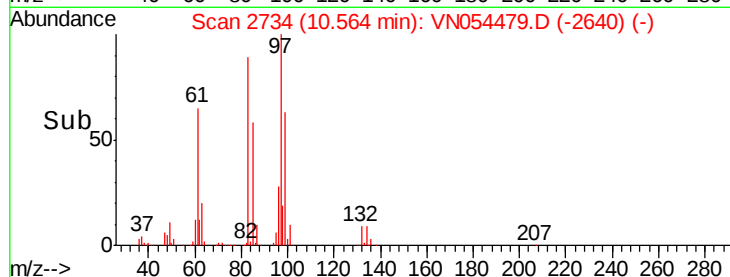
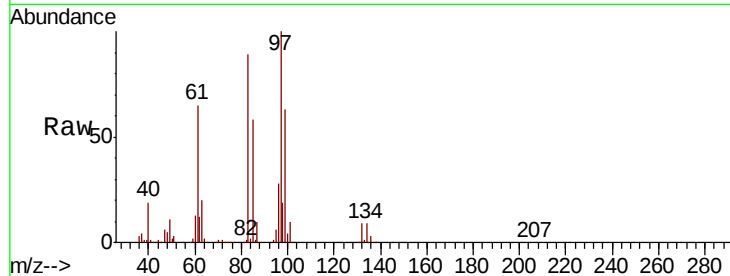
#55
 1,1,2-Trichloroethane
 Concen: 50.366 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	268982
Ion	Ratio	Lower	Upper
97	100		
83	89.4	66.6	100.0
85	57.6	44.4	66.6
99	62.8	50.8	76.2

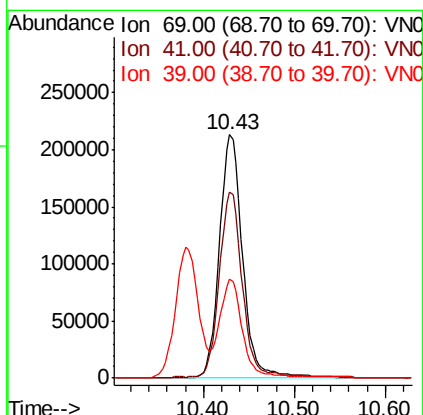
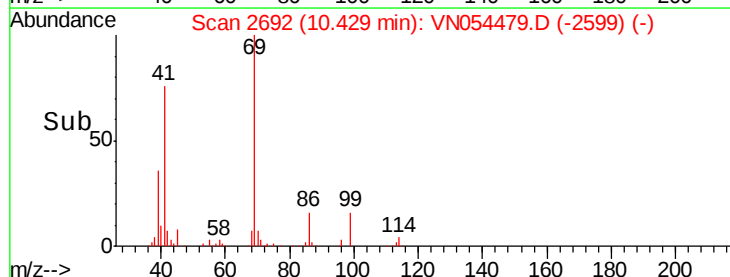
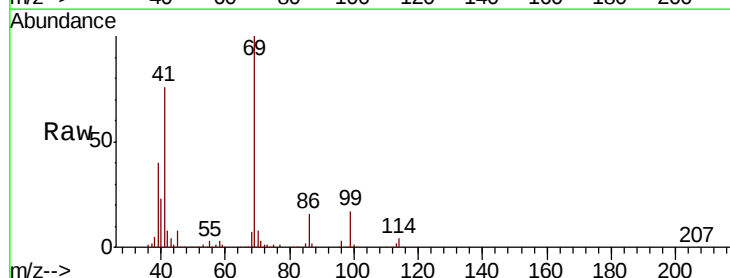
Manual Integrations
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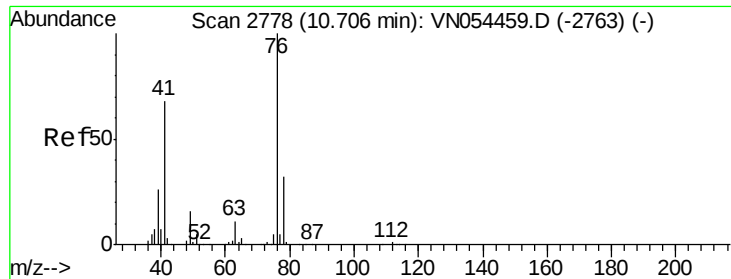
MMDadoda
 3/22/2019 3:48:45 PM



#56
 Ethyl methacrylate
 Concen: 52.771 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion:	69	Resp:	378265
Ion	Ratio	Lower	Upper
69	100		
41	74.6	49.4	74.2#
39	39.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 51.179 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 475128

Ion Ratio Lower Upper

76 100

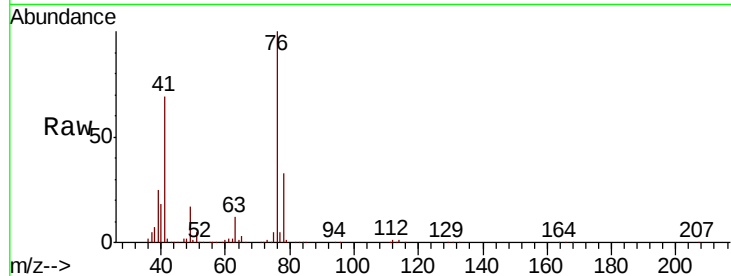
78 32.2 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

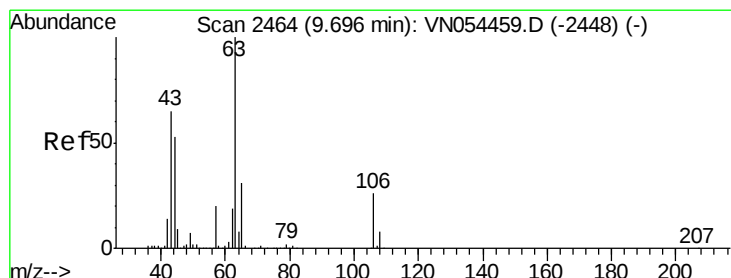
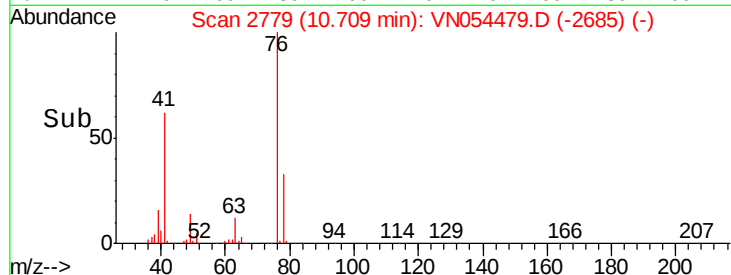
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 246.241 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054479.D

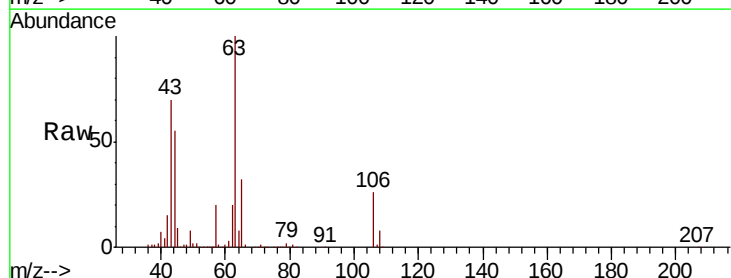
Acq: 20 Mar 2019 22:54

Tgt Ion: 63 Resp: 726820

Ion Ratio Lower Upper

63 100

106 25.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

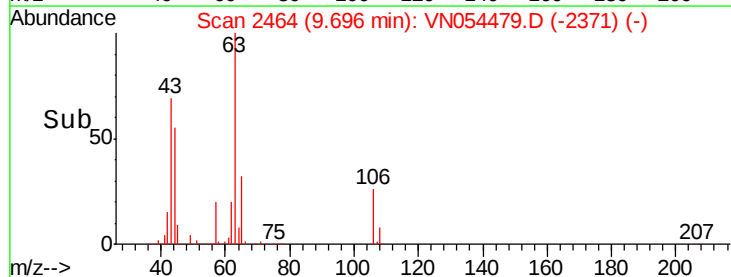
300000

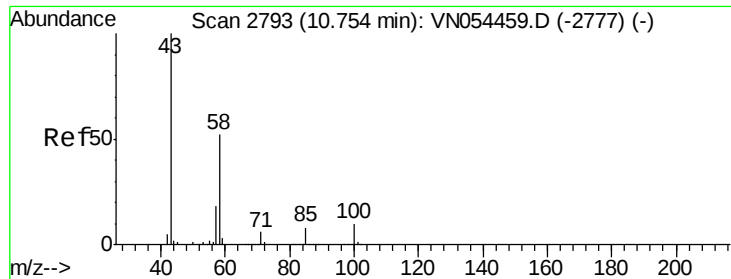
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80





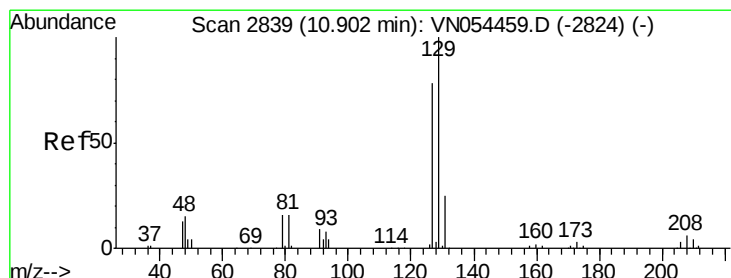
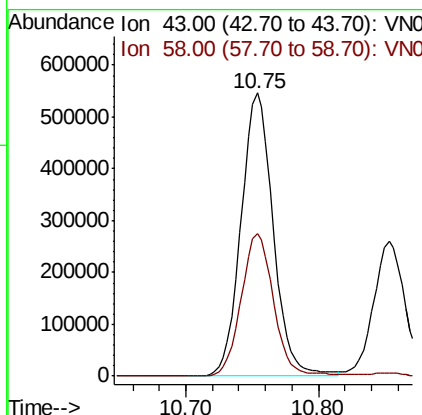
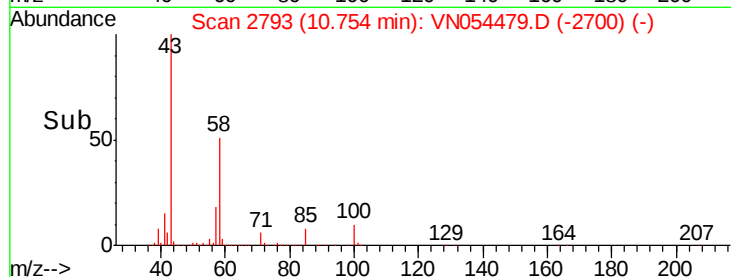
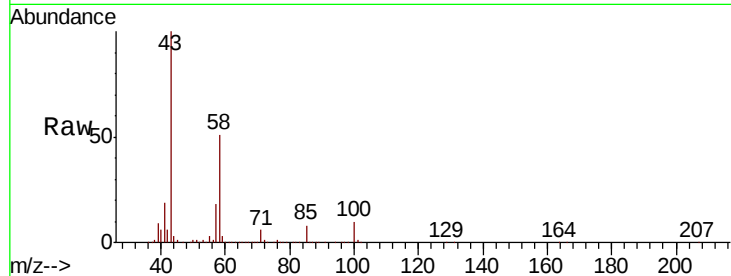
#59
2-Hexanone
Concen: 250.007 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 918314
Ion Ratio Lower Upper
43 100
58 51.0 28.0 83.9

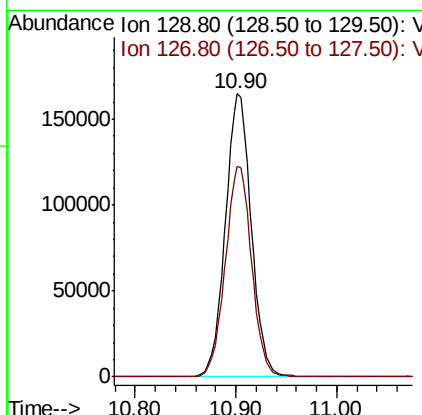
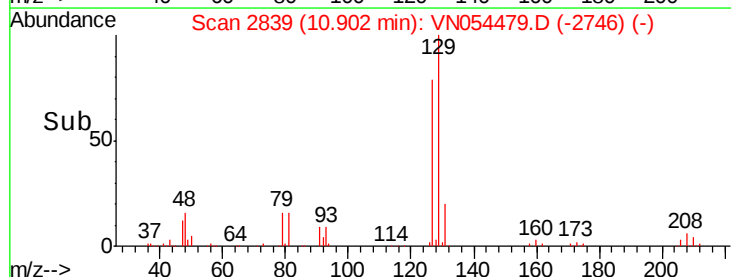
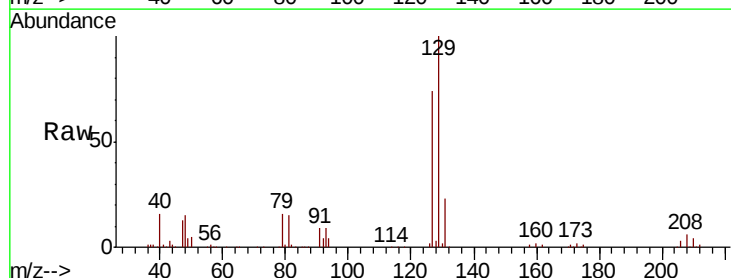
Manual Integrations
APPROVED

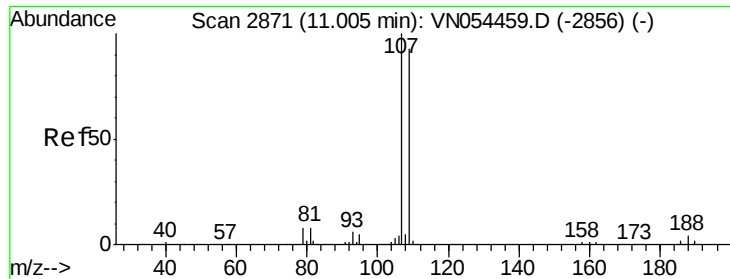
MMDadoda
3/22/2019 3:48:45 PM



#60
Dibromochloromethane
Concen: 51.924 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion: 129 Resp: 295075
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.672 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 267536

Ion Ratio Lower Upper

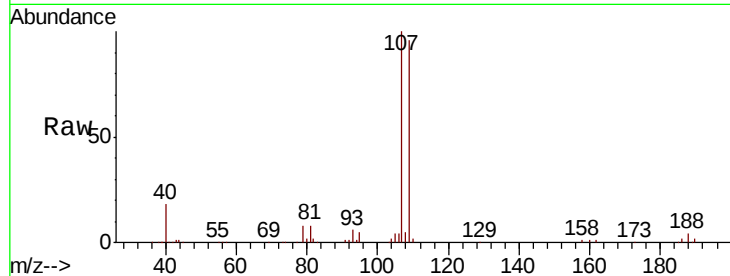
107 100

109 95.7 75.9 113.9

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

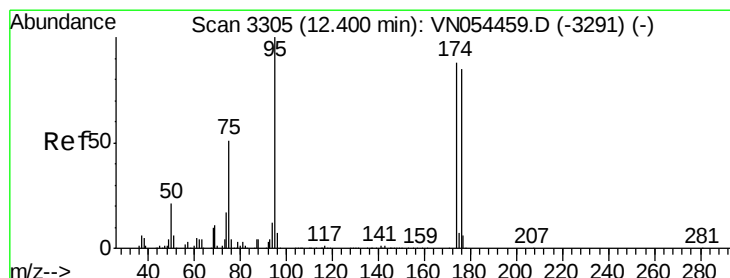
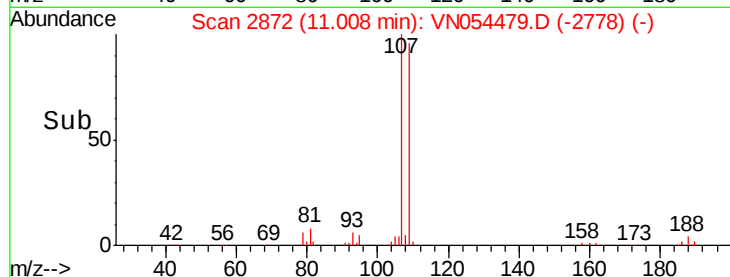
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.971 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

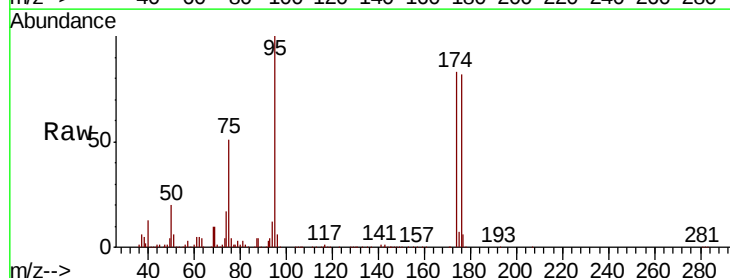
Tgt Ion: 95 Resp: 372084

Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

176 82.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

250000

200000

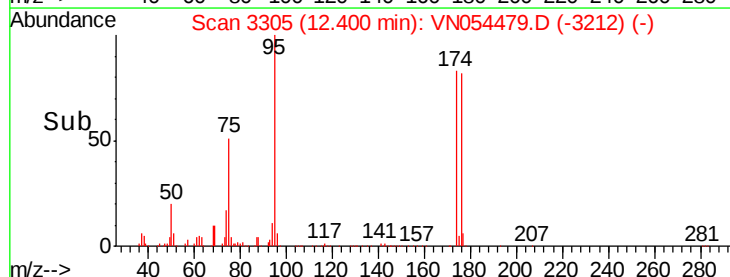
150000

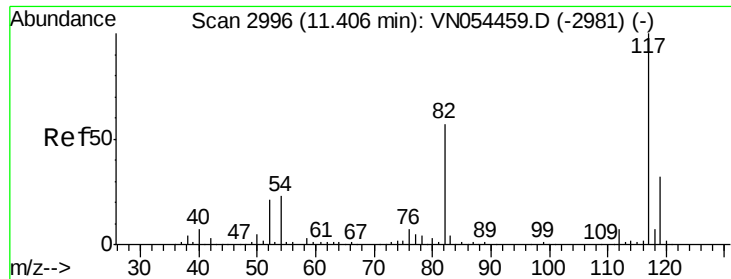
100000

50000

0

Time--> 12.30 12.40 12.50





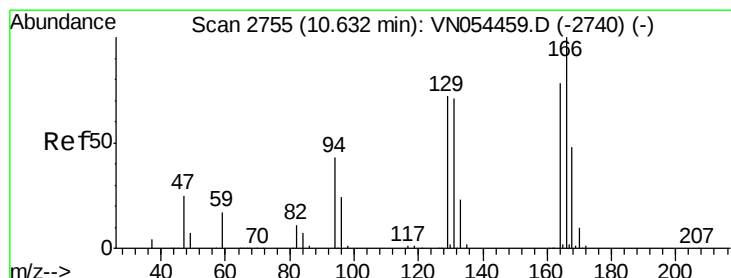
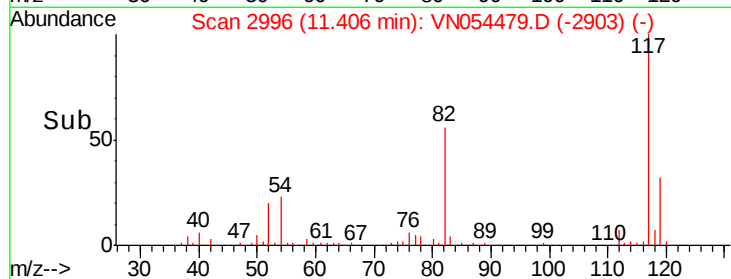
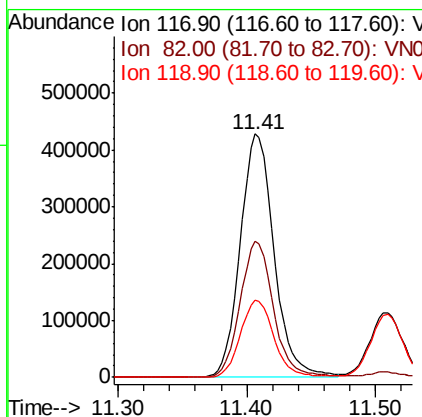
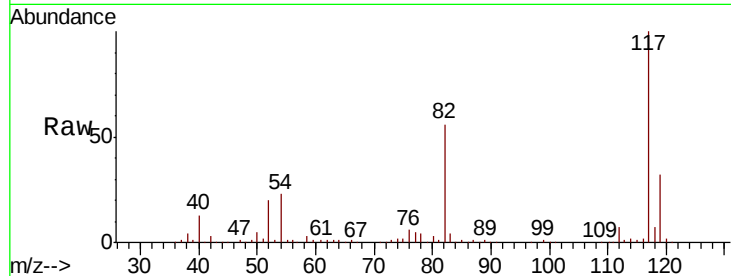
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	40.0	60.0
119	31.9	25.8	38.6

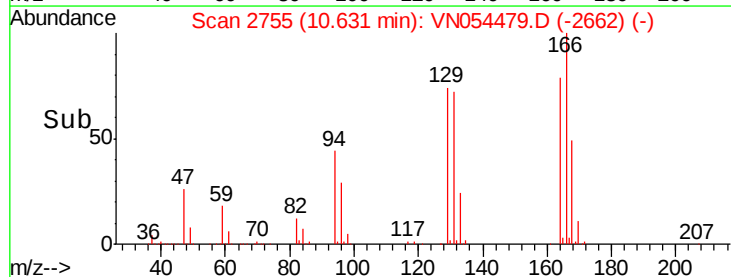
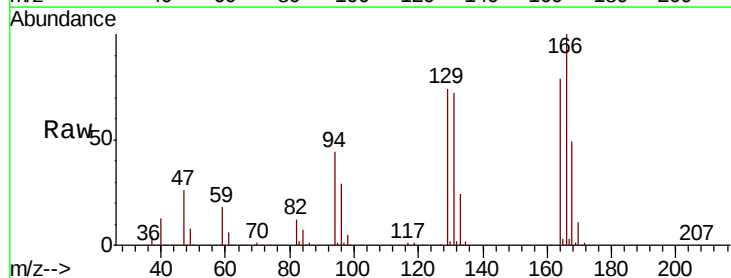
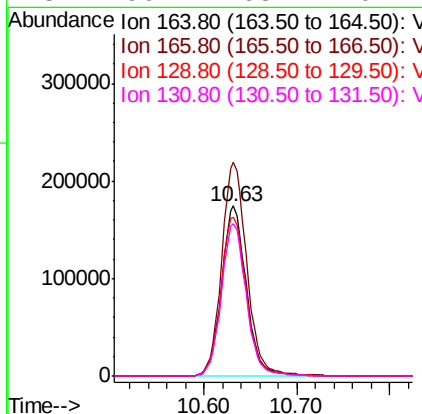
Manual Integrations
APPROVED

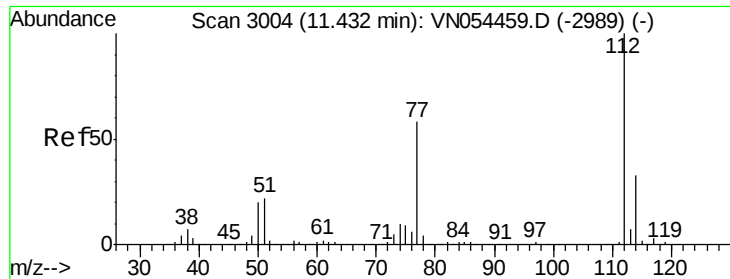
MMDadoda
3/22/2019 3:48:45 PM



#64
Tetrachloroethene
Concen: 49.674 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.9	155.9
129	93.5	71.1	106.7
131	90.1	68.2	102.4





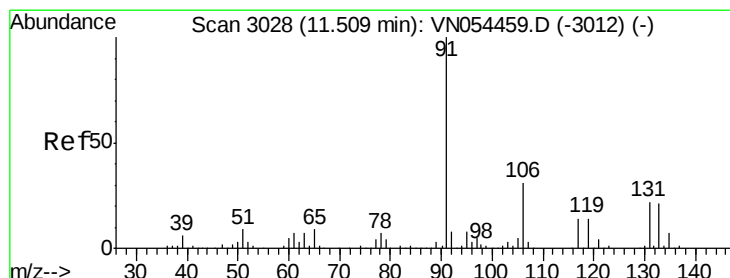
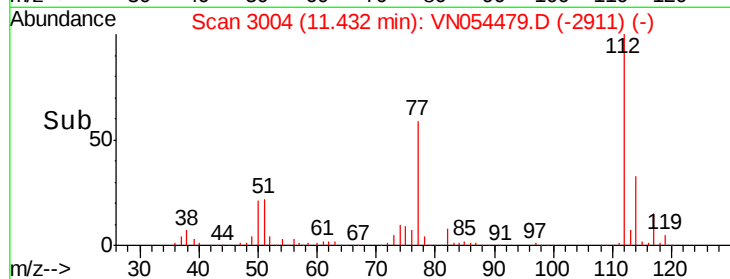
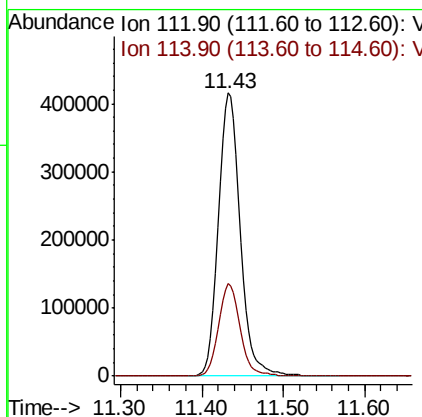
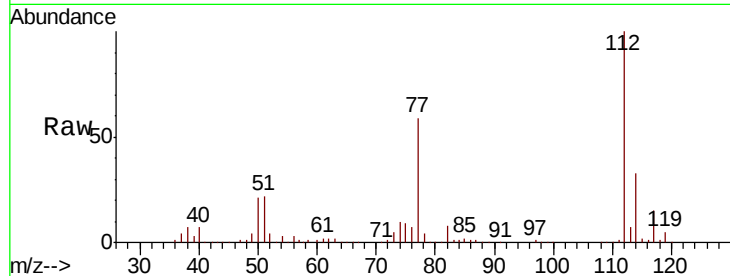
#65
Chlorobenzene
Concen: 49.763 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 792470
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

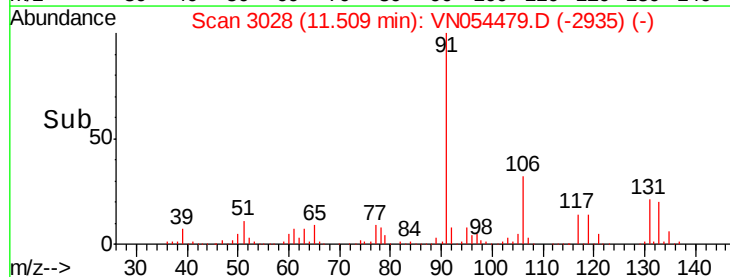
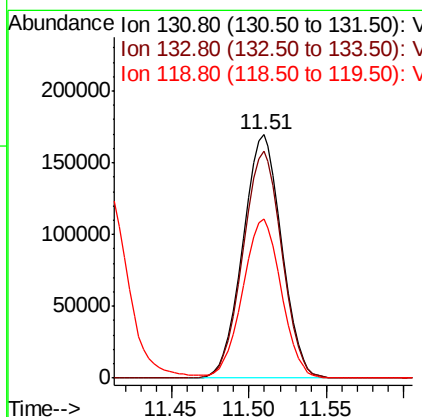
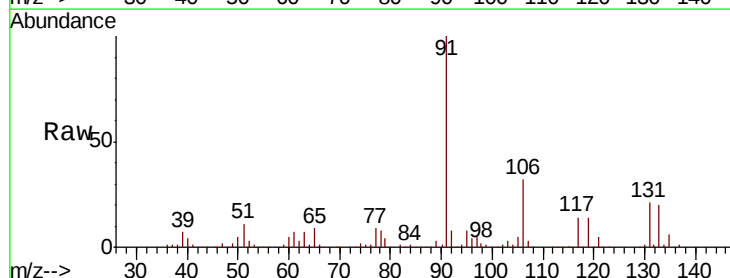
Manual Integrations
APPROVED

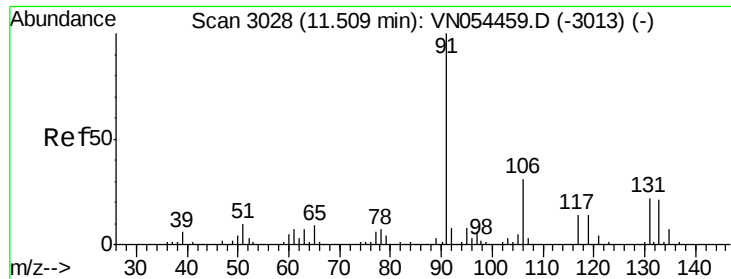
MMDadoda
3/22/2019 3:48:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.857 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion:131 Resp: 296413
Ion Ratio Lower Upper
131 100
133 93.7 47.6 142.9
119 65.2 32.4 97.0





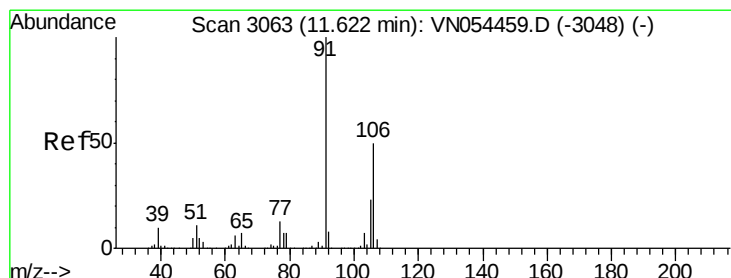
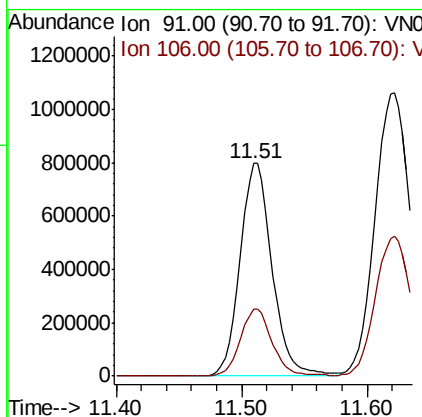
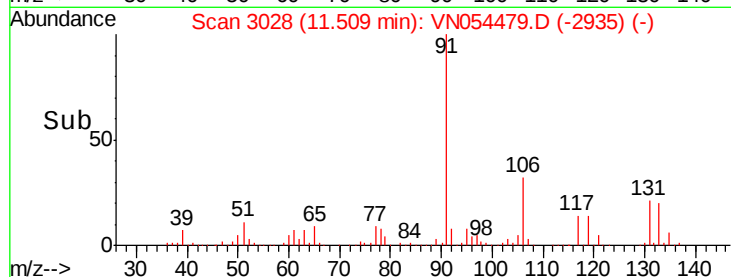
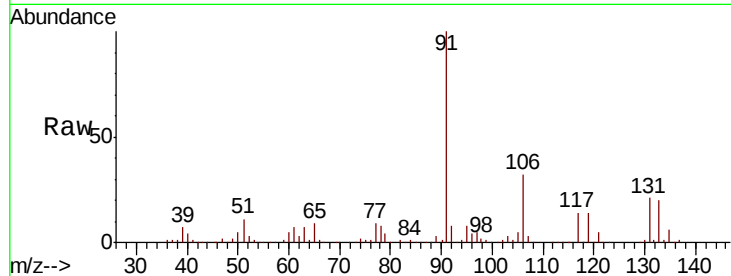
#67
Ethyl Benzene
Concen: 50.555 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1422147
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

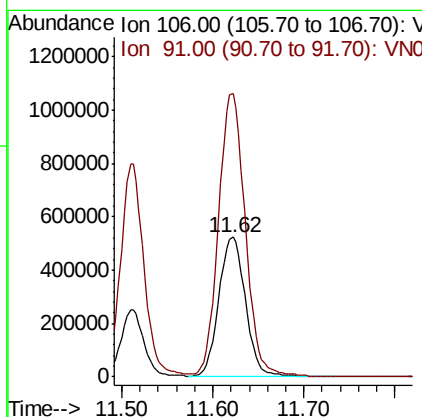
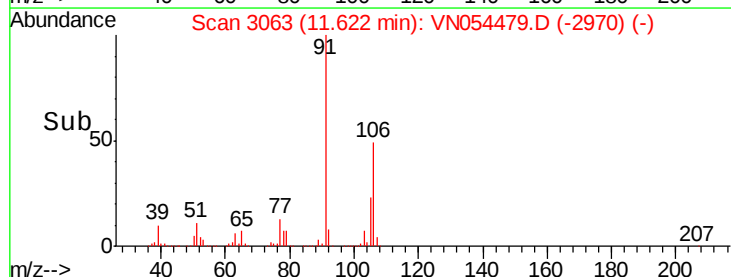
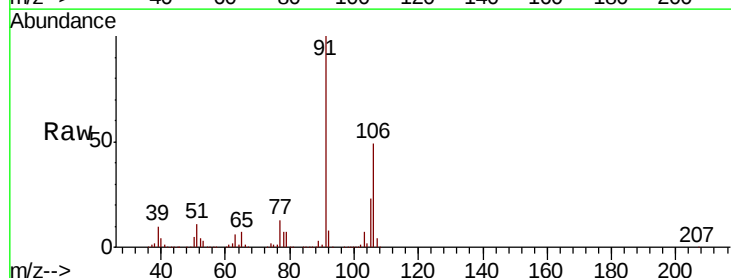
Manual Integrations
APPROVED

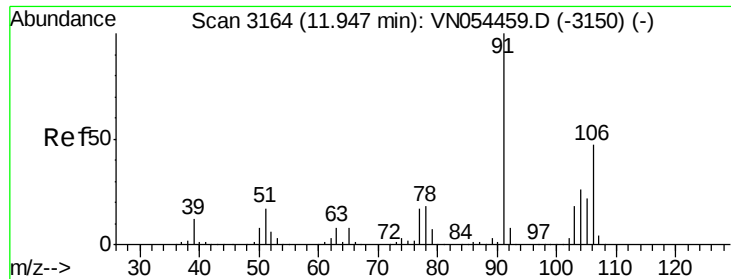
MMDadoda
3/22/2019 3:48:45 PM



#68
m/p-Xylenes
Concen: 100.726 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion: 106 Resp: 1073248
Ion Ratio Lower Upper
106 100
91 203.0 159.4 239.2





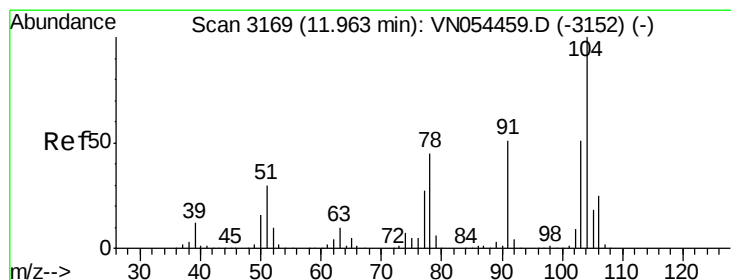
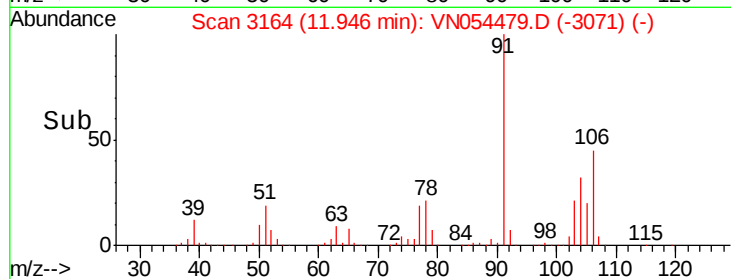
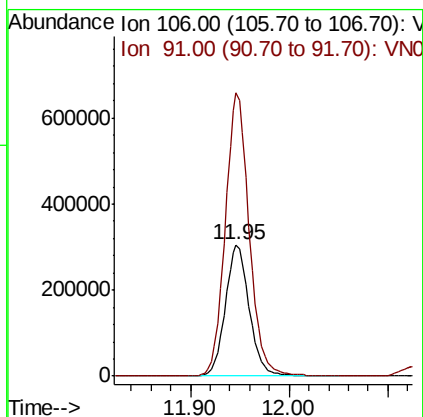
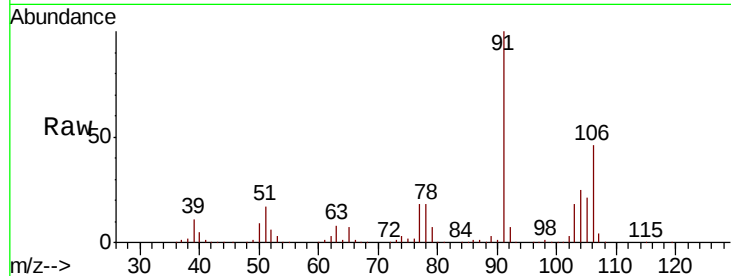
#69
o-Xylene
Concen: 49.841 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 518636
Ion Ratio Lower Upper
106 100
91 215.7 105.7 317.1

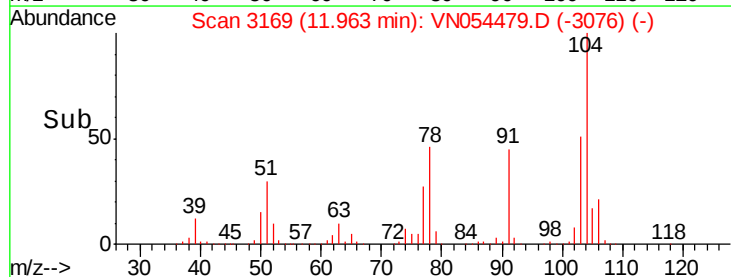
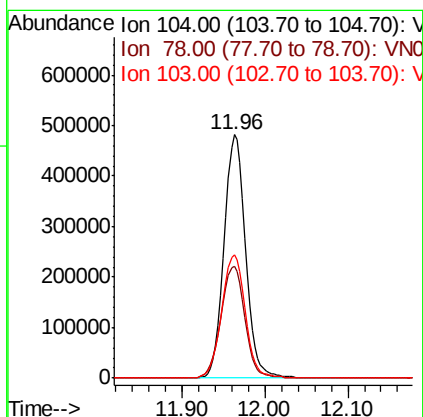
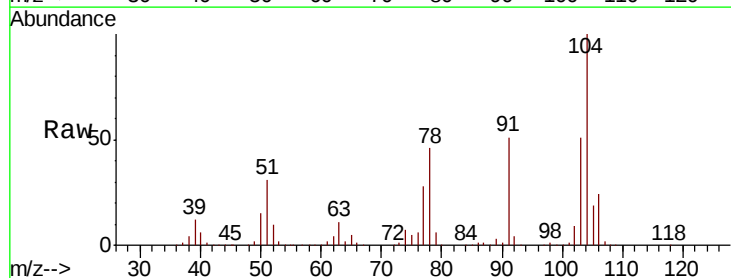
Manual Integrations
APPROVED

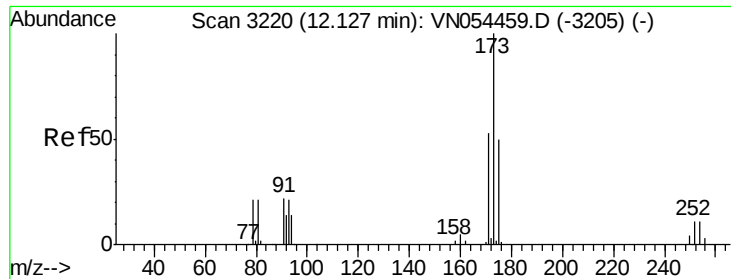
MMDadoda
3/22/2019 3:48:45 PM



#70
Styrene
Concen: 51.354 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion:104 Resp: 867801
Ion Ratio Lower Upper
104 100
78 51.1 38.2 57.2
103 55.5 44.4 66.6





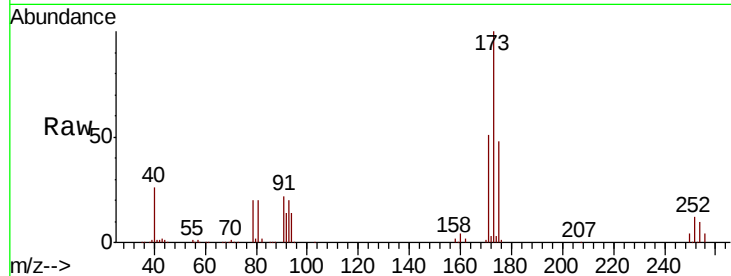
#71
Bromoform
Concen: 44.846 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

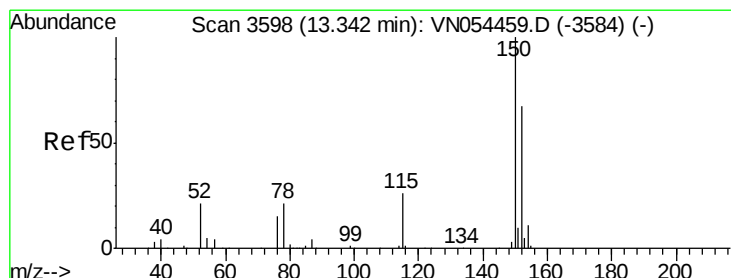
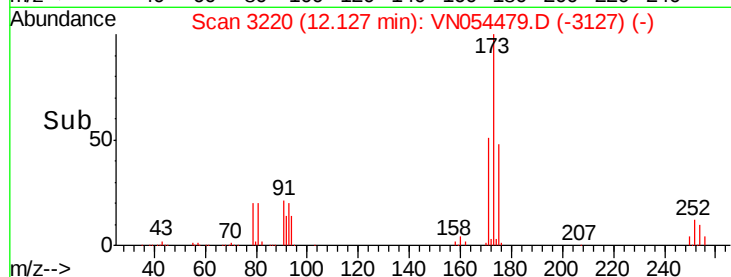
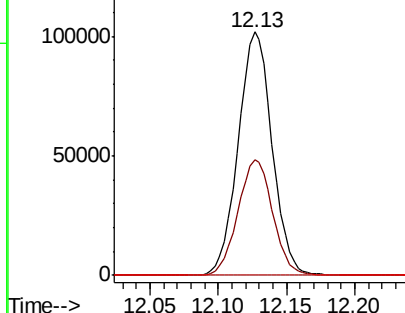
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

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3/22/2019 3:48:45 PM

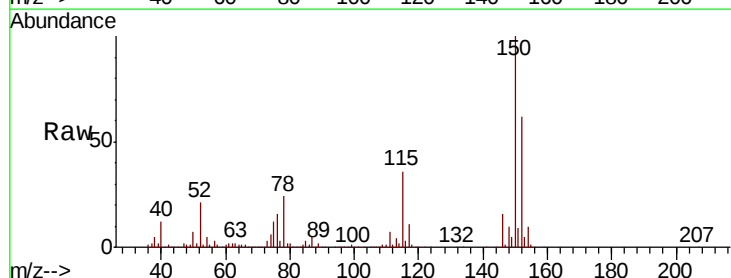


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

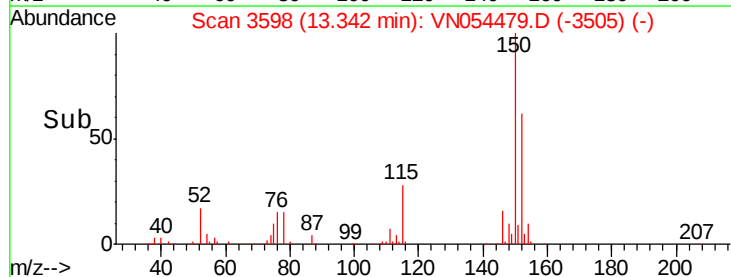
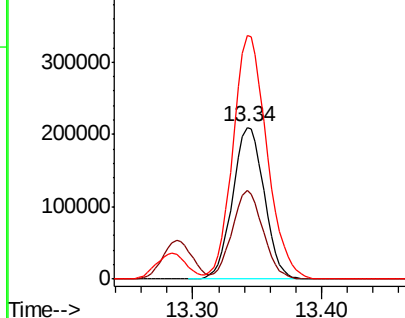


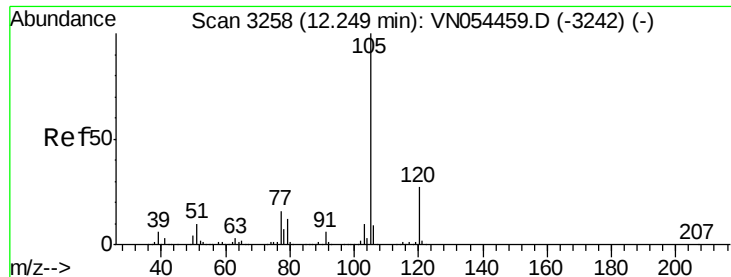
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.2	81.6
150	173.3	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.322 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1387489

Ion Ratio Lower Upper

105 100

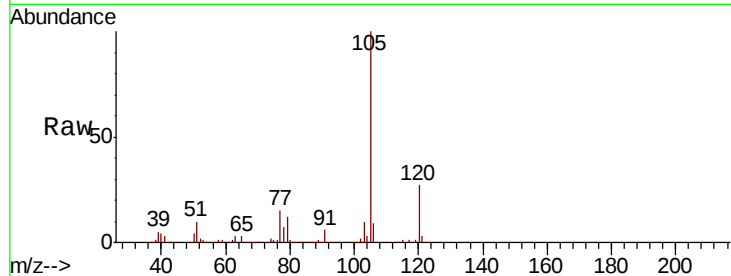
120 26.6 13.8 41.3

Manual Integrations

APPROVED

MMDadoda

3/22/2019 3:48:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

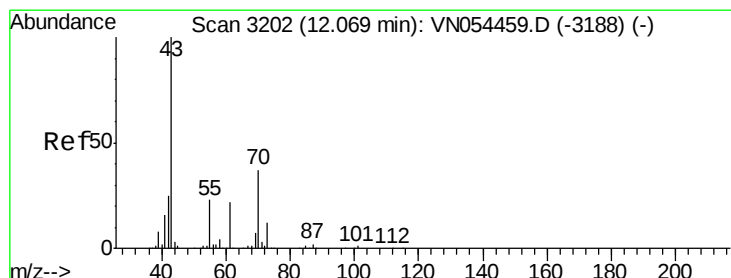
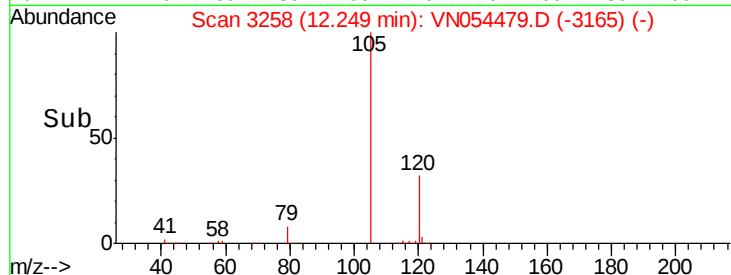
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.919 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Tgt Ion: 43 Resp: 436909

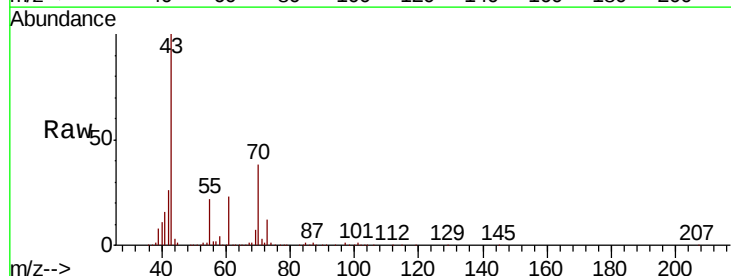
Ion Ratio Lower Upper

43 100

70 38.4 35.4 53.0

55 23.0 19.8 29.6

61 22.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

400000

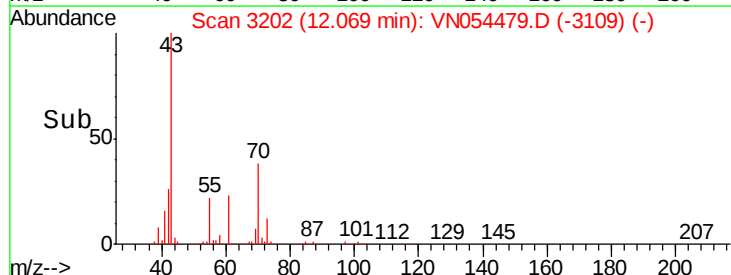
300000

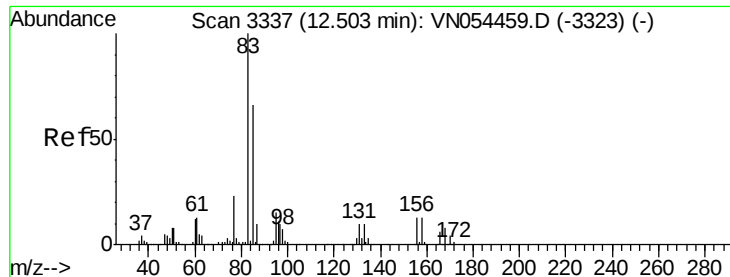
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.434 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 324018
Ion Ratio Lower Upper

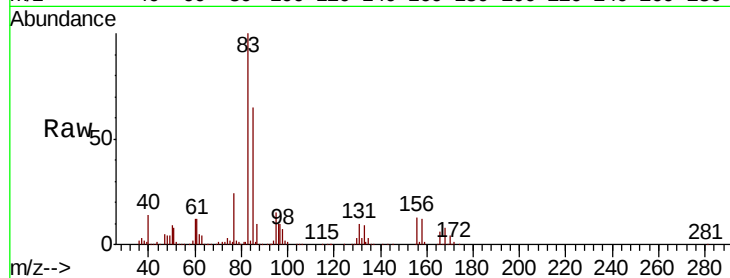
83 100

131 10.6 5.8 17.4

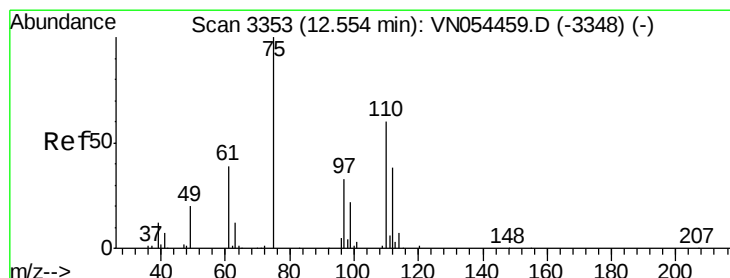
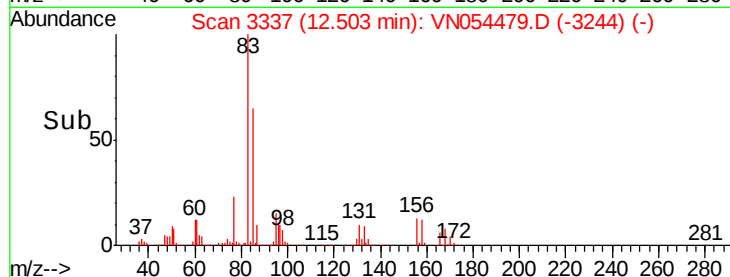
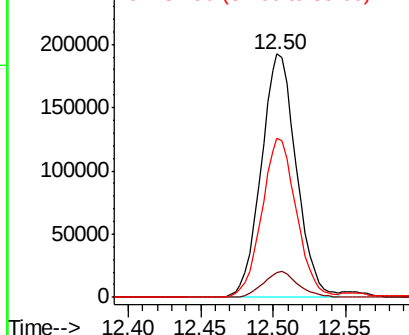
85 64.3 32.2 96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 49.490 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

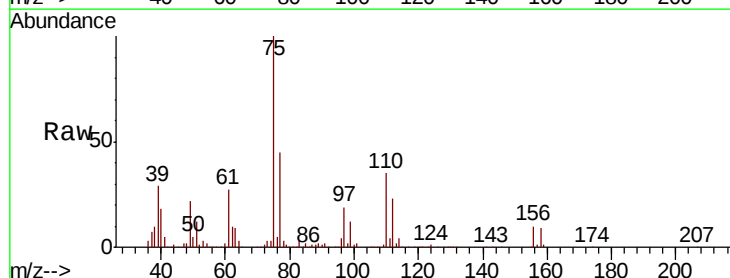
Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

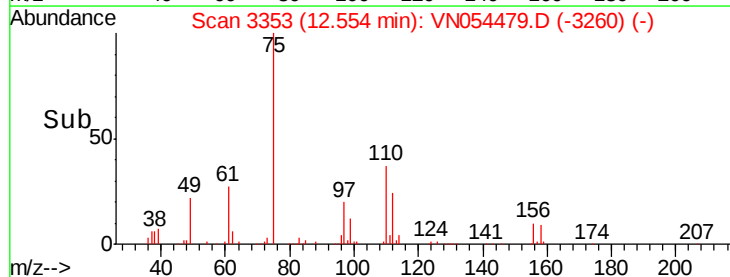
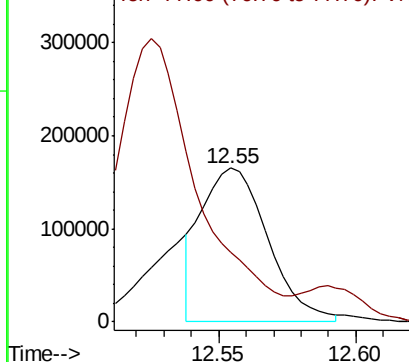
Tgt Ion: 75 Resp: 279832
Ion Ratio Lower Upper

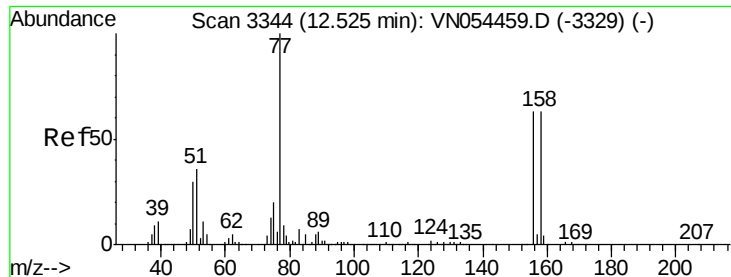
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.331 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

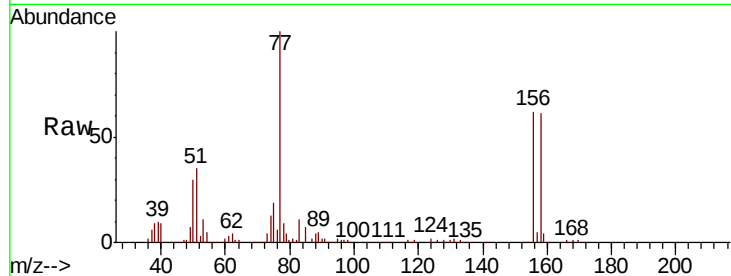
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	344179
Ion Ratio	Lower	Upper	
156	100		
77	185.5	81.5	244.4
158	95.9	49.0	147.2

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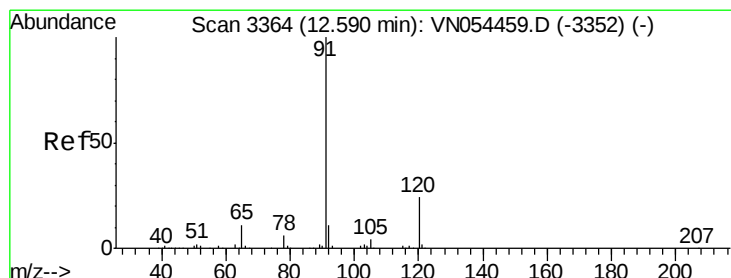
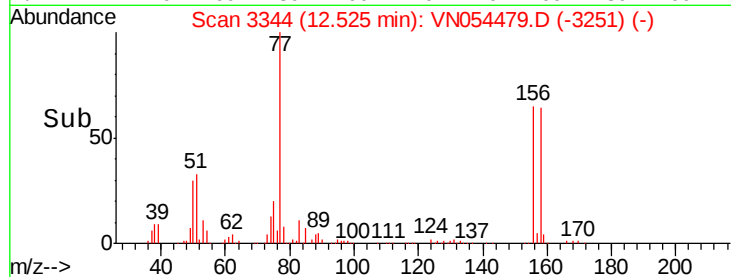
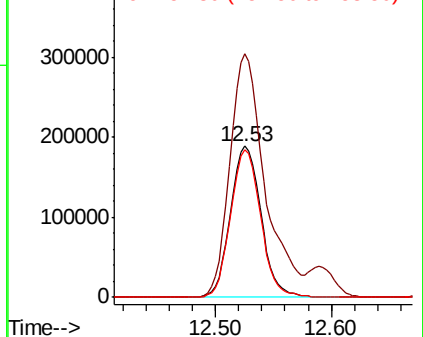


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.572 ug/l

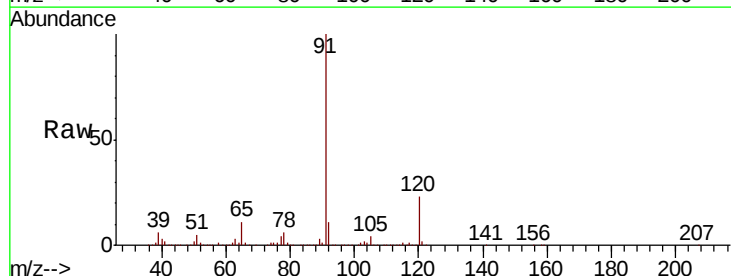
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

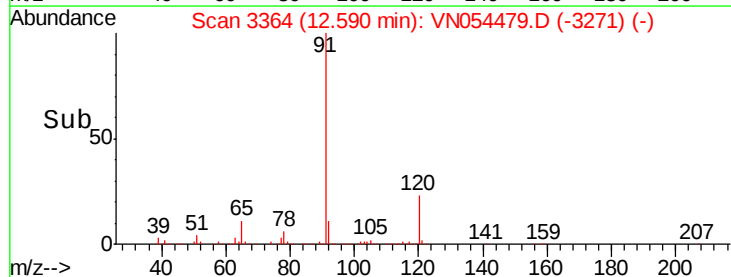
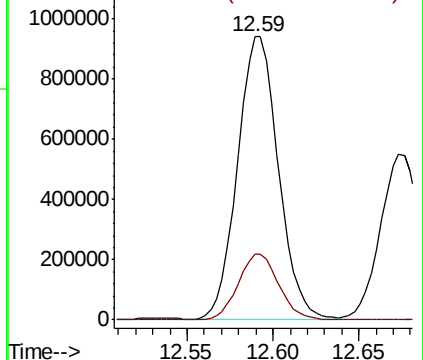
Tgt Ion:	91	Resp:	1543456
Ion Ratio	Lower	Upper	
91	100		
120	23.3	12.3	36.9

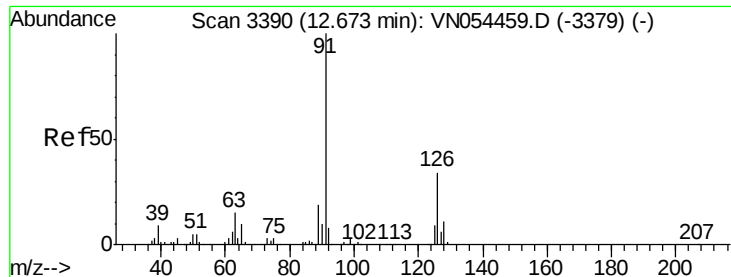


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.296 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 918298

Ion Ratio Lower Upper

91 100

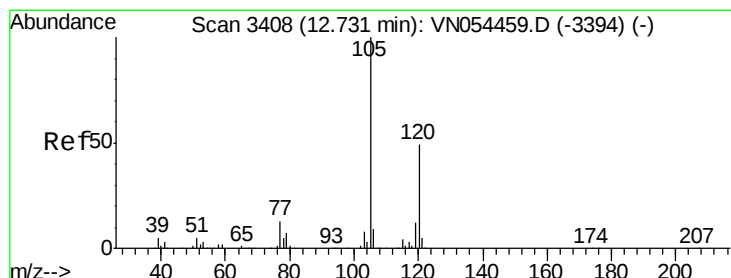
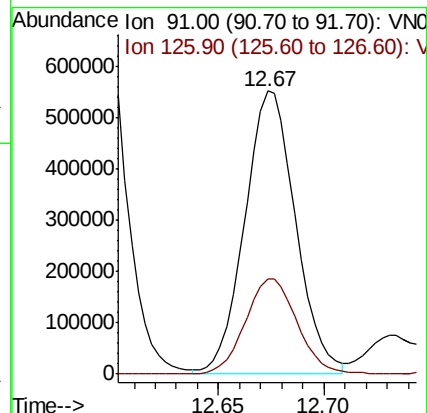
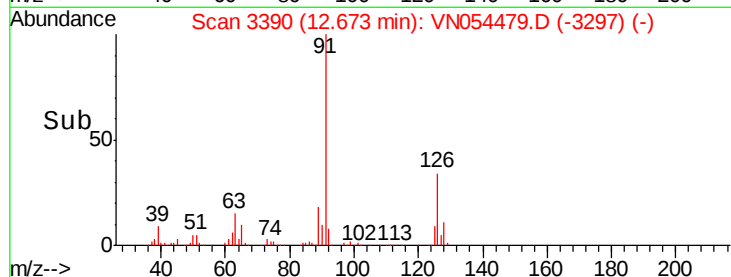
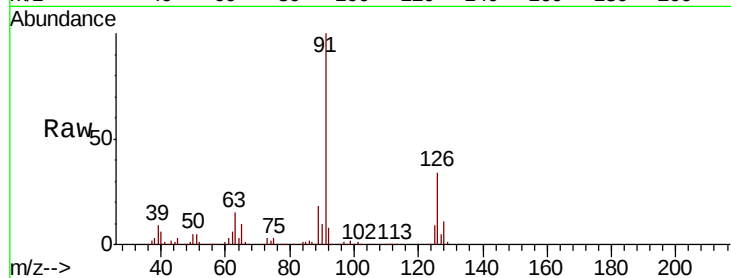
126 34.8 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.323 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054479.D

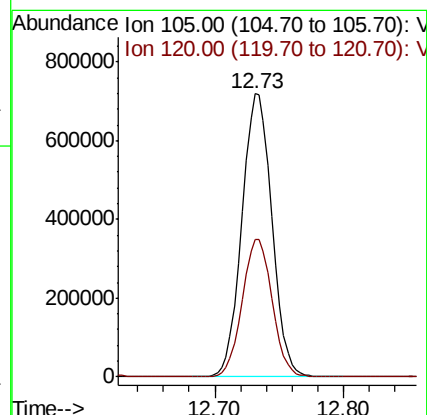
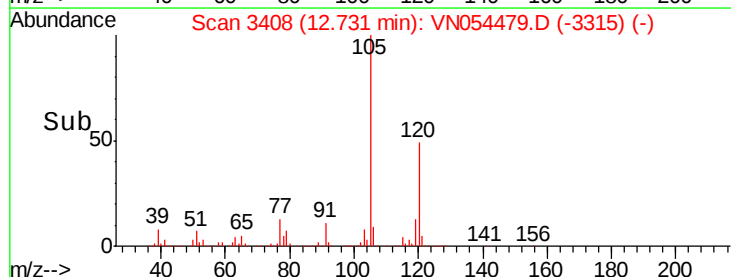
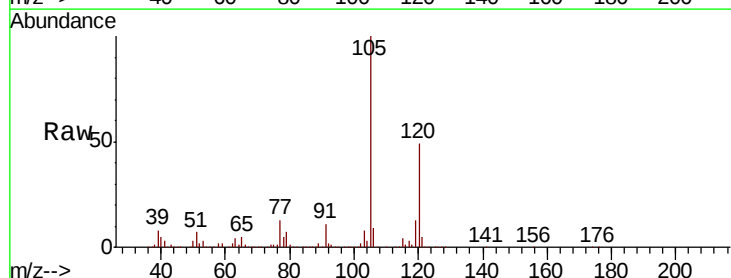
Acq: 20 Mar 2019 22:54

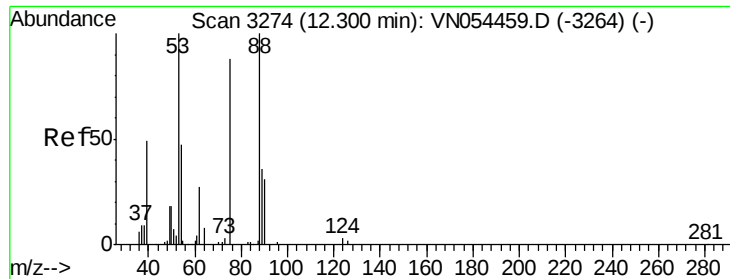
Tgt Ion: 105 Resp: 1160715

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0





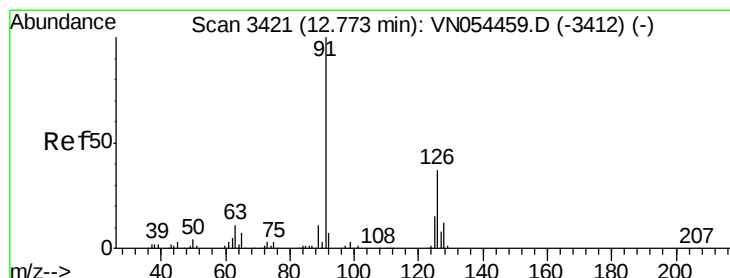
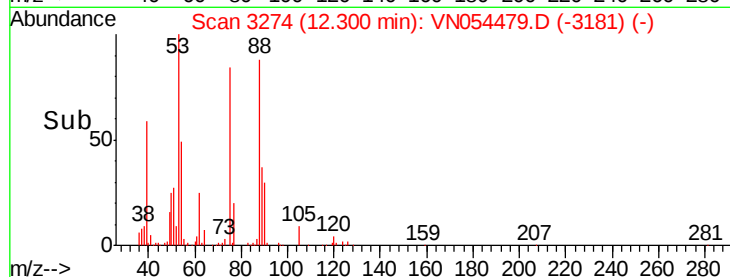
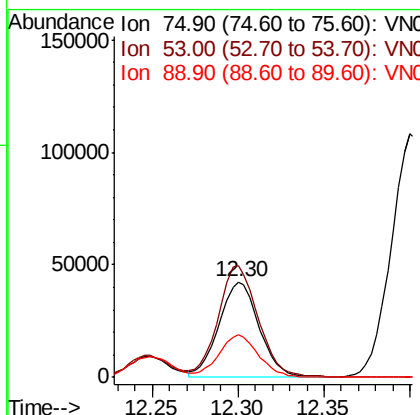
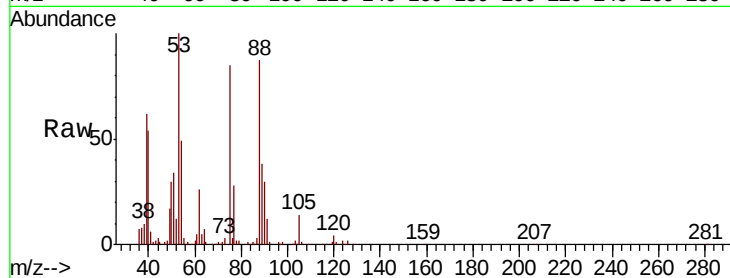
#81
trans-1,4-Dichloro-2-butene
Concen: 41.990 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.1	76.2	114.2#
89	44.7	39.2	58.8

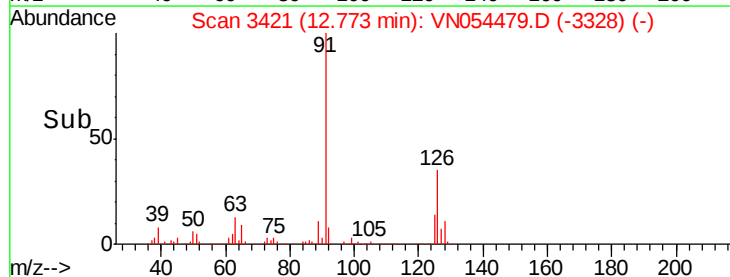
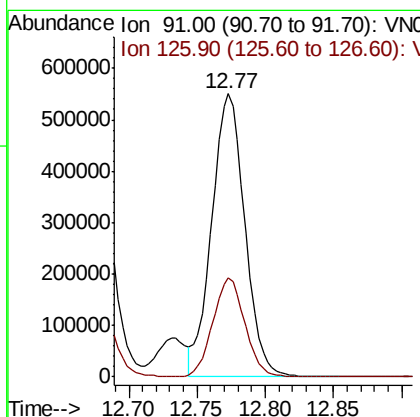
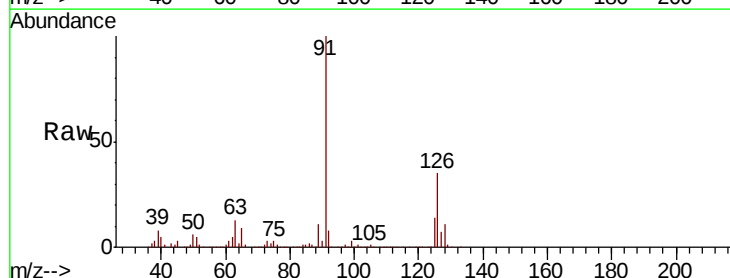
Manual Integrations
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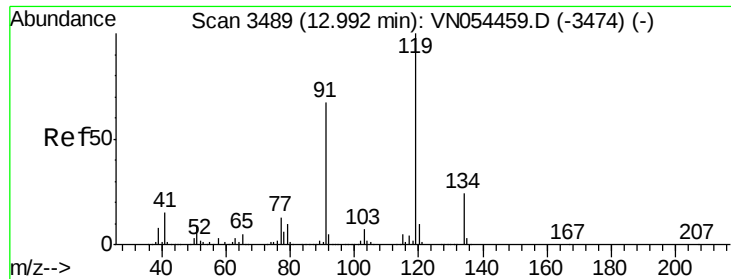
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#82
4-Chlorotoluene
Concen: 49.224 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	18.1	54.1





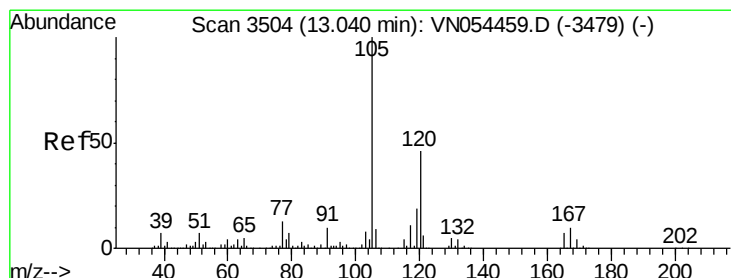
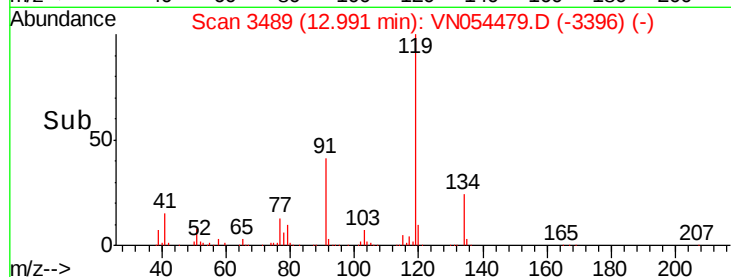
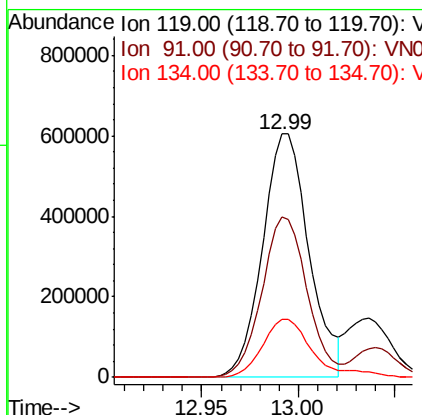
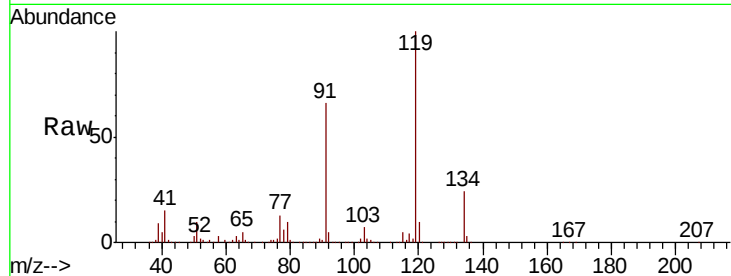
#83
tert-Butylbenzene
Concen: 49.551 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	30.9	92.8
134	26.0	13.2	39.6

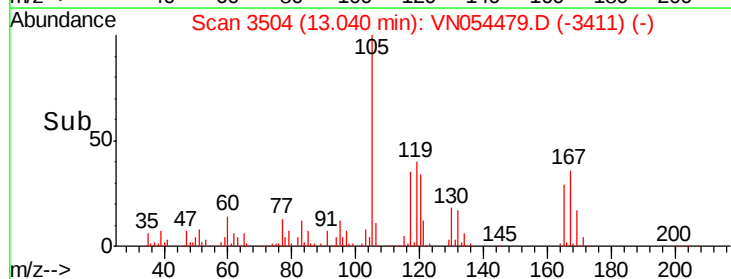
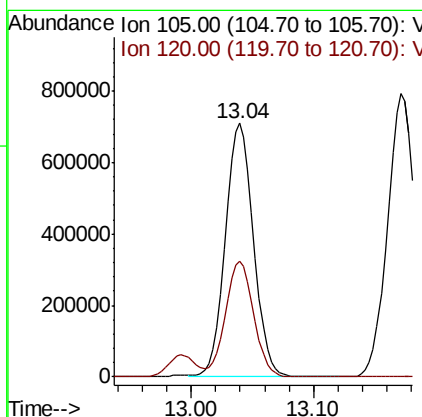
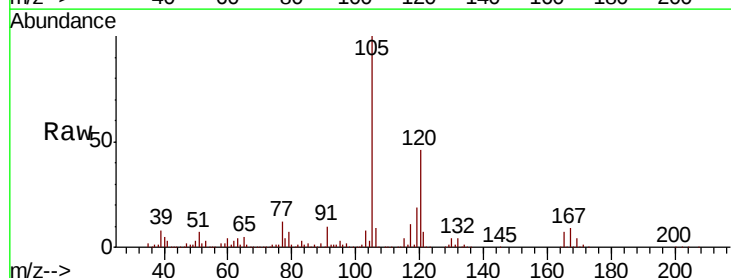
Manual Integrations
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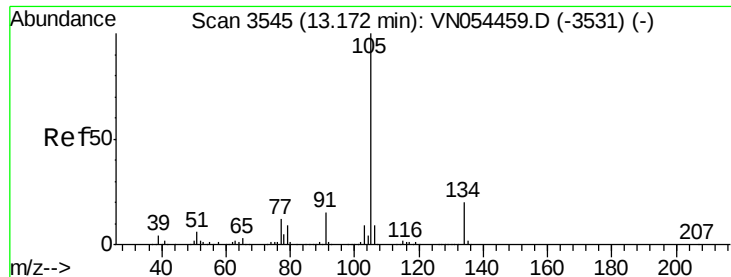
MMDadoda
3/22/2019 3:48:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.665 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 50.126 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1279988

Ion Ratio Lower Upper

105 100

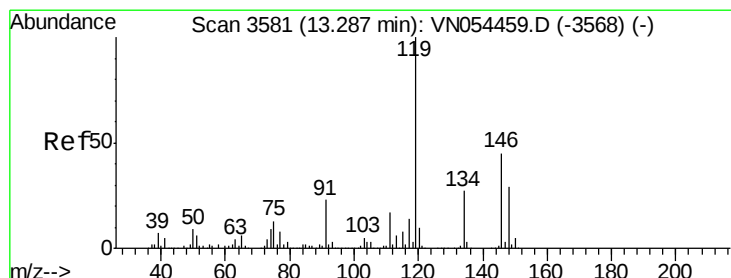
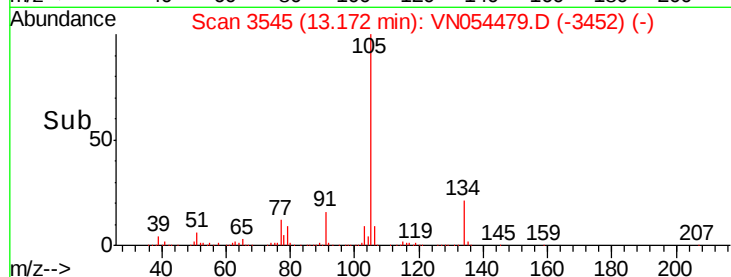
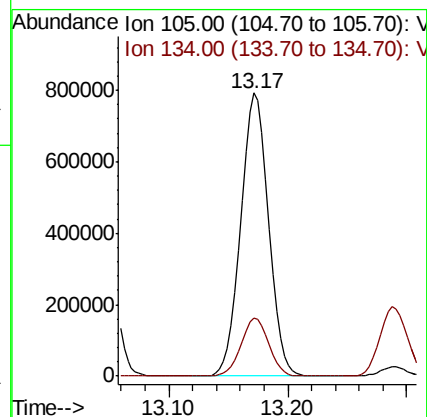
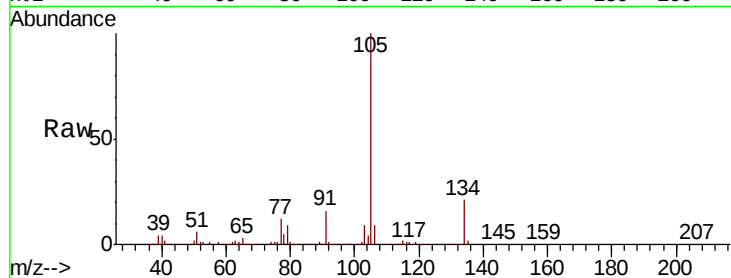
134 20.5 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.526 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

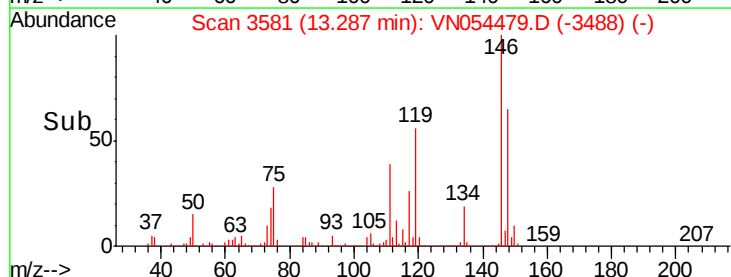
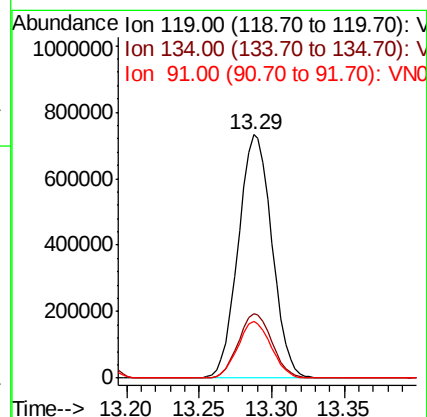
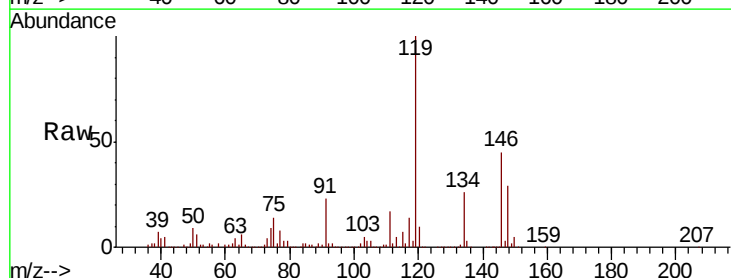
Tgt Ion:119 Resp: 1177146

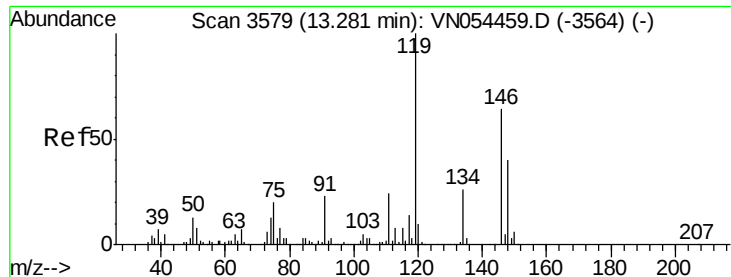
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 48.763 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

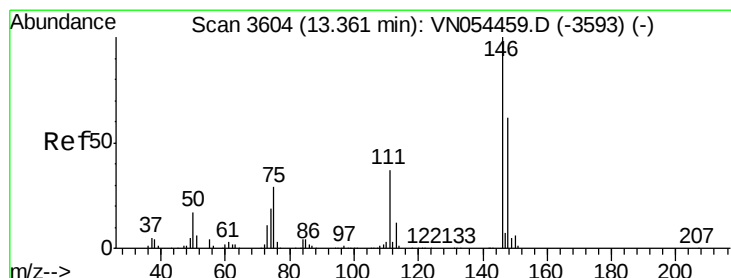
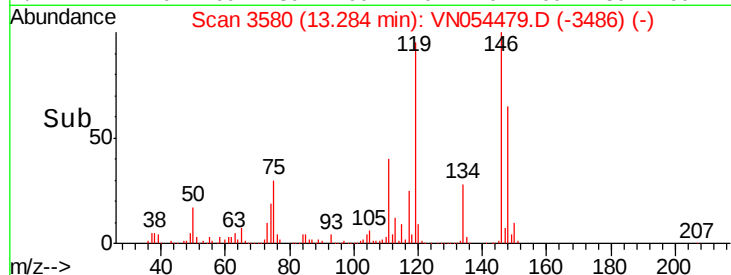
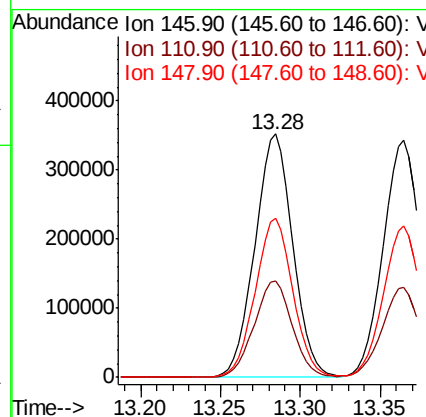
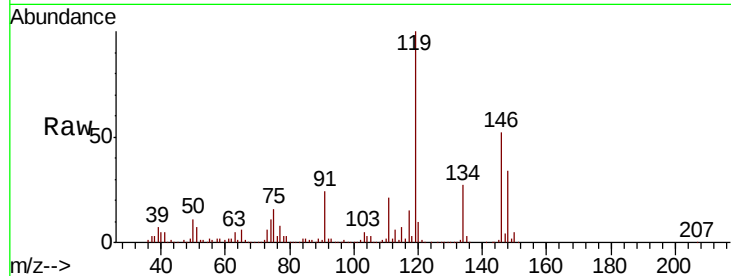
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	575462
Ion Ratio	Lower	Upper	
146	100		
111	39.9	18.8	56.3
148	64.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.303 ug/l

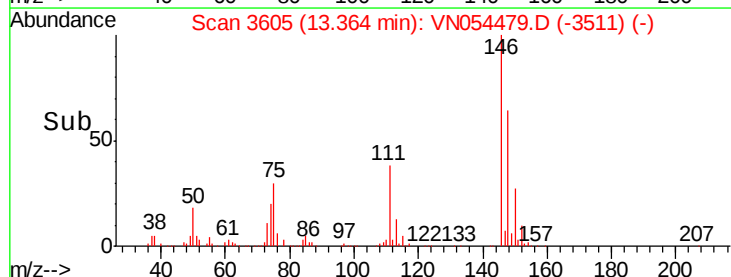
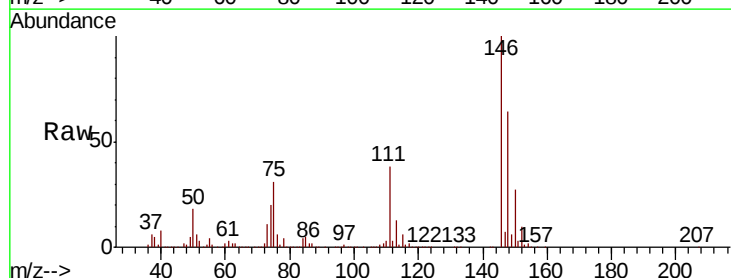
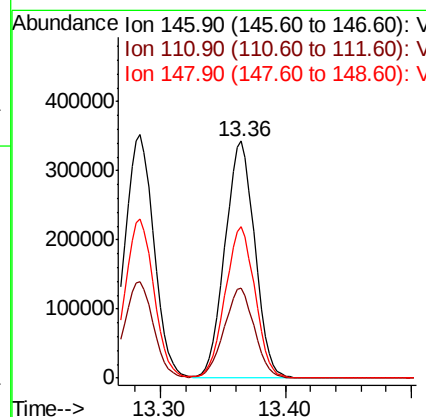
RT: 13.36 min Scan# 3605

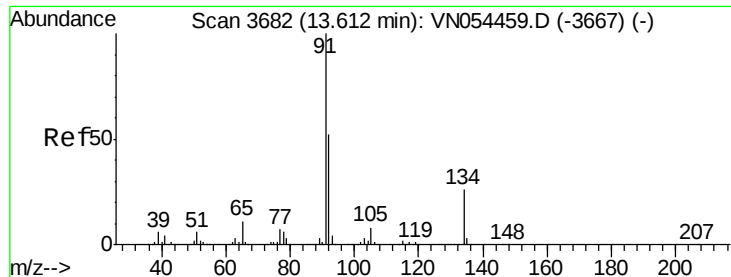
Delta R.T. 0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Tgt Ion:	146	Resp:	566098
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.1	54.1
148	64.0	32.0	96.0





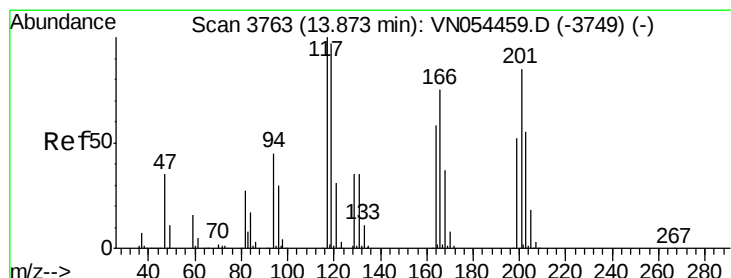
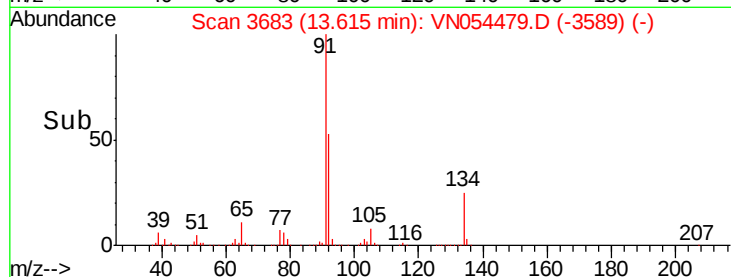
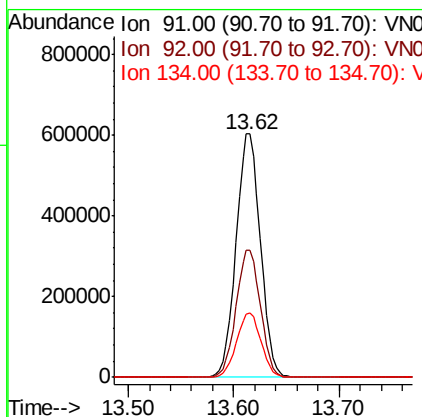
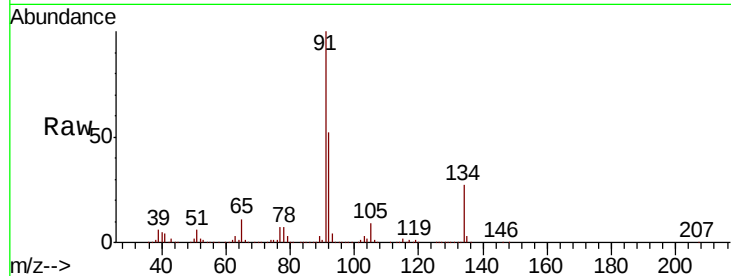
#89
n-Butylbenzene
Concen: 53.650 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	26.6	14.3	42.9

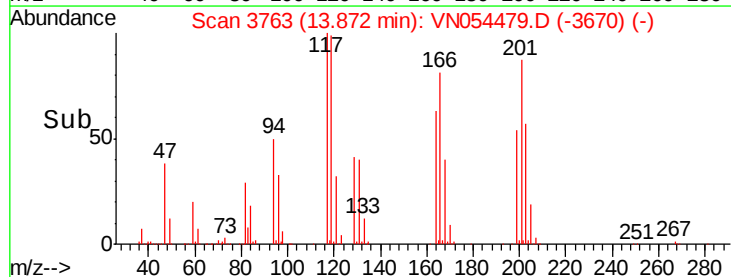
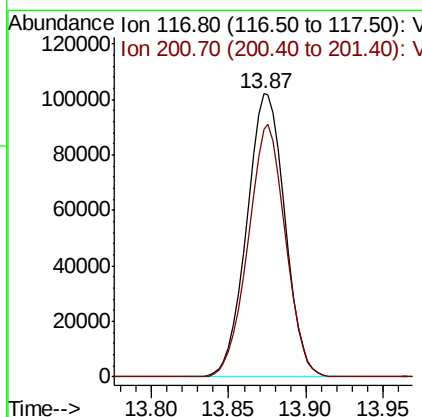
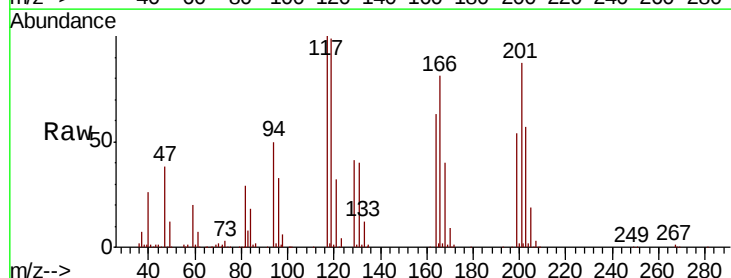
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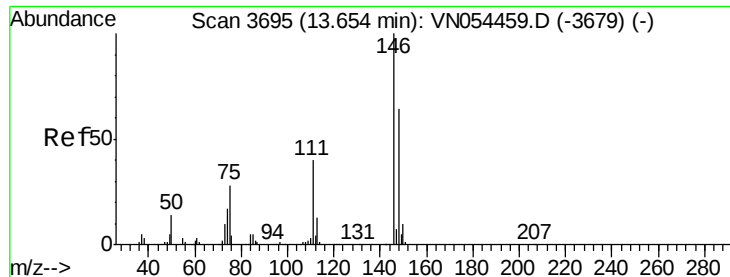
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#90
Hexachloroethane
Concen: 49.442 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054479.D
Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	48.1	144.4





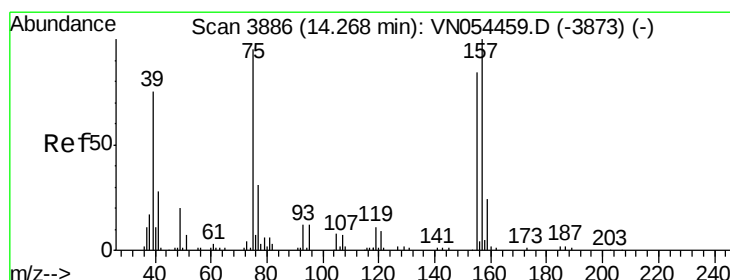
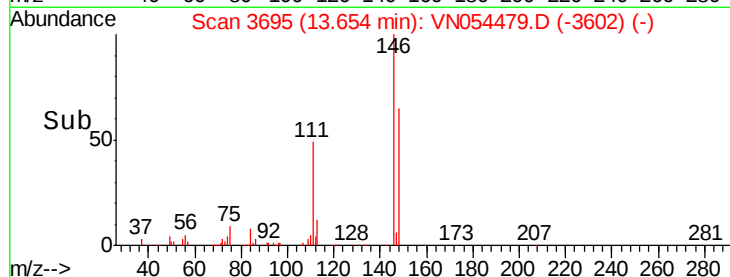
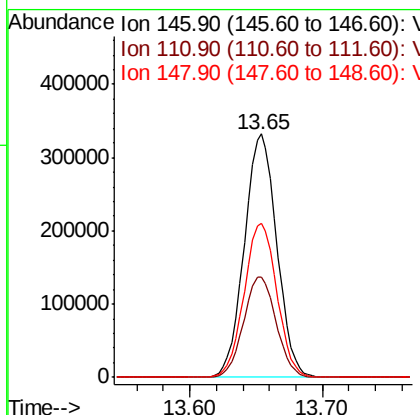
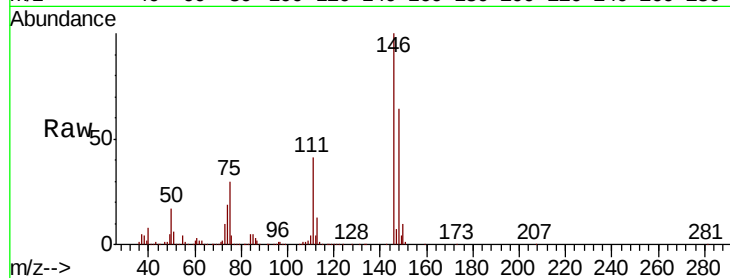
#91
 1,2-Dichlorobenzene
 Concen: 49.309 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	63.8	32.4	97.0

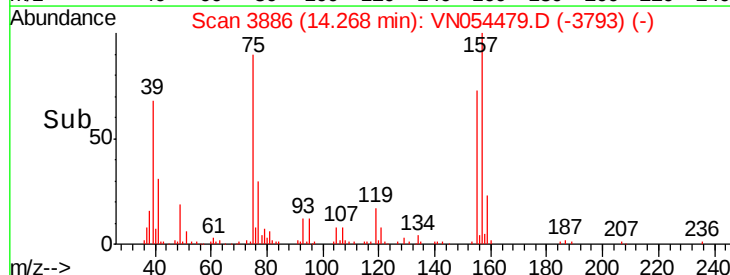
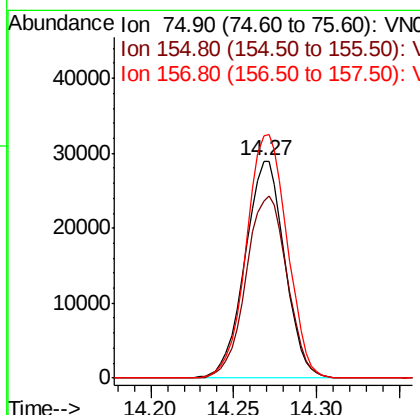
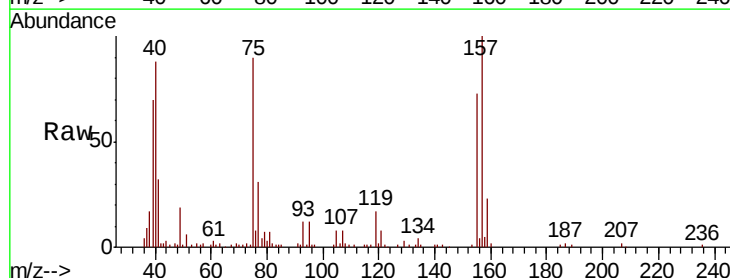
Manual Integrations
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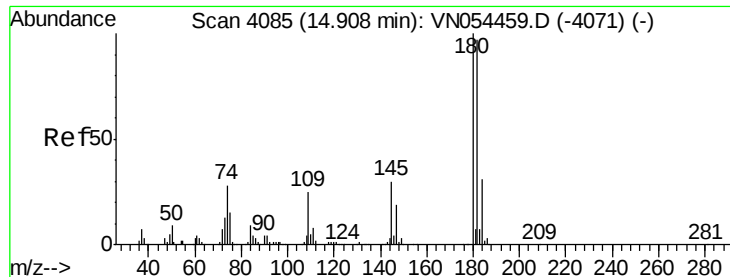
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.206 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	50.1	150.3
157	115.1	63.1	189.3





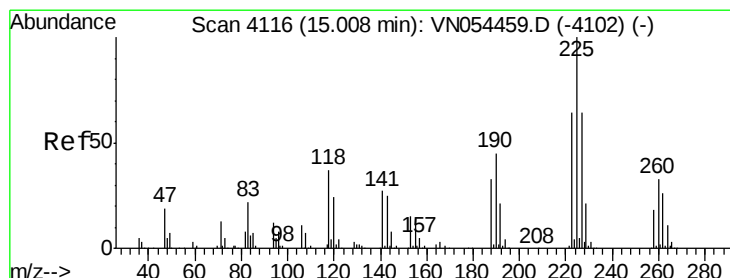
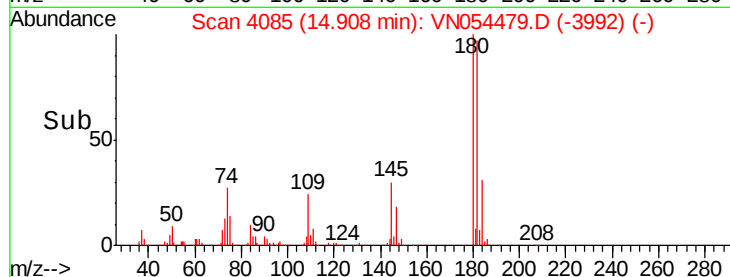
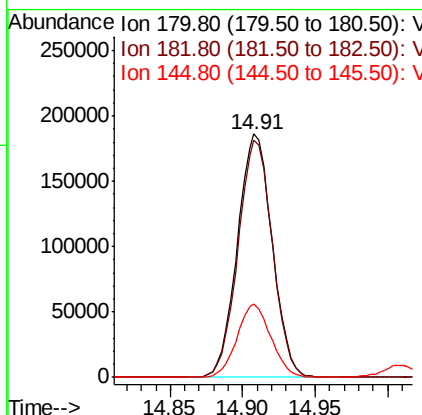
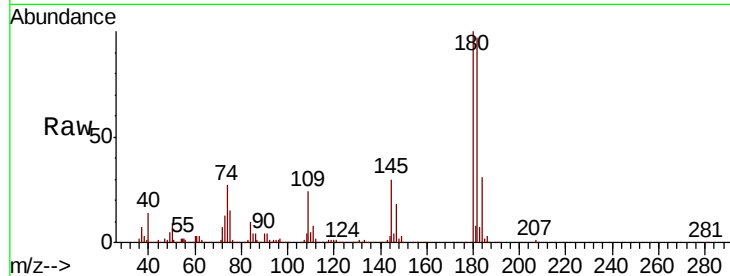
#93
 1,2,4-Trichlorobenzene
 Concen: 54.323 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	29.3	14.2	42.8

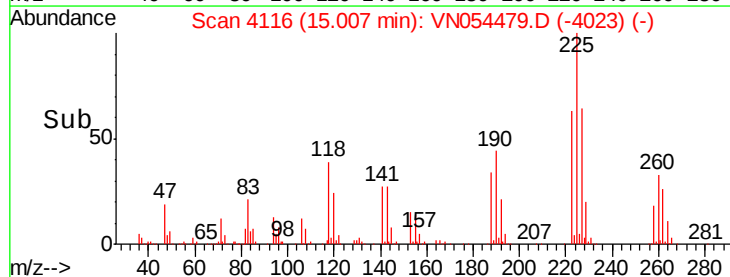
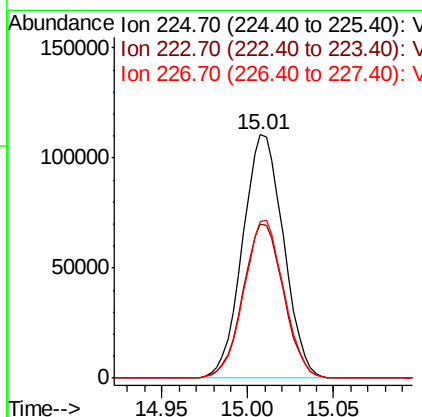
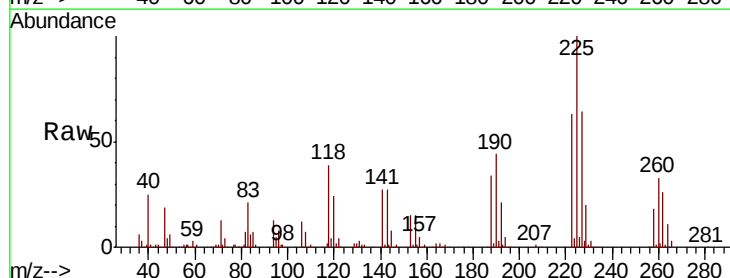
Manual Integrations
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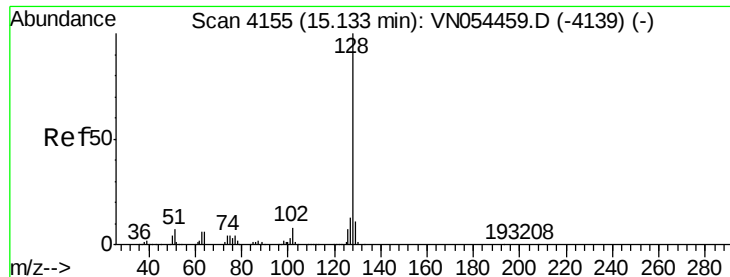
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 57.537 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054479.D
 Acq: 20 Mar 2019 22:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.5
227	63.2	31.9	95.9





#95

Naphthalene

Concen: 53.580 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Instrument :

MSVOA_N

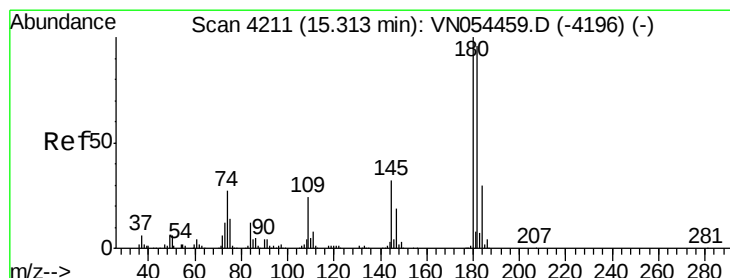
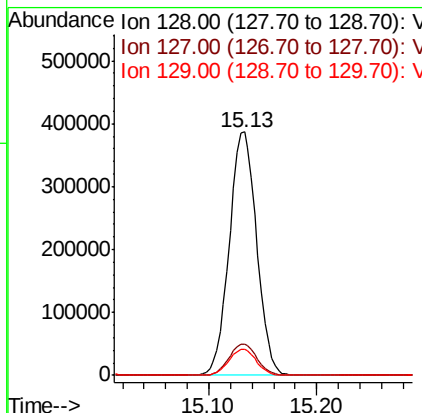
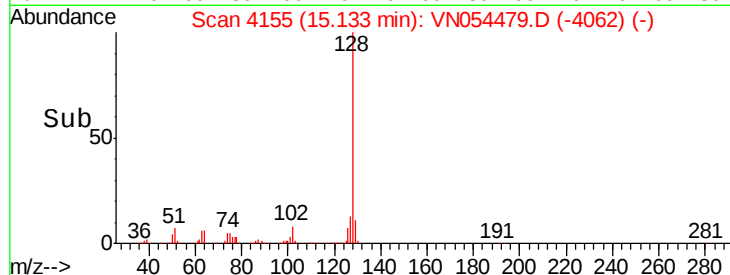
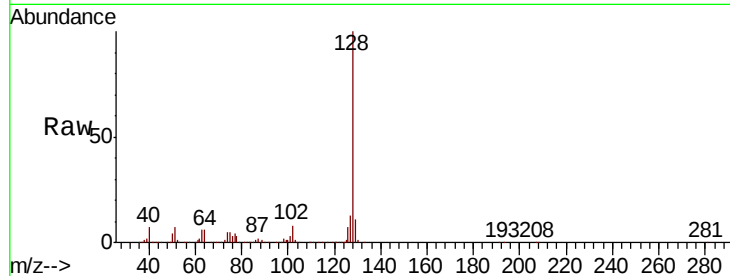
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	681001
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 54.198 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054479.D

Acq: 20 Mar 2019 22:54

Tgt Ion:	180	Resp:	307372
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.5	142.6
145	30.5	14.8	44.3

