

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054571.D
 Acq On : 22 Mar 2019 21:45
 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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 3/25/2019 12:53:51 PM

Quant Time: Mar 23 04:17:07 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	7.66	168	440176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	736097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	645505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	282013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	310698	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	
35) Dibromofluoromethane	7.59	113	246402	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	10.09	98	907848	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	315860	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	219773	52.228	ug/l	99
3) Chloromethane	2.06	50	305898	53.429	ug/l	98
4) Vinyl Chloride	2.19	62	284608	49.513	ug/l	99
5) Bromomethane	2.57	94	162397	43.691	ug/l	98
6) Chloroethane	2.71	64	156296	45.333	ug/l	98
7) Trichlorofluoromethane	3.02	101	347544	49.786	ug/l	100
8) Diethyl Ether	3.41	74	122632	45.678	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	184000	44.850	ug/l	94
10) Methyl Iodide	3.94	142	273413	45.305	ug/l	92
11) Tert butyl alcohol	4.82	59	100091	301.957	ug/l	99
12) 1,1-Dichloroethene	3.73	96	184407	43.434	ug/l #	75
13) Acrolein	3.61	56	106941	233.783	ug/l	100
14) Allyl chloride	4.32	41	430783	53.883	ug/l #	91
15) Acrylonitrile	5.00	53	498204	301.812	ug/l	100
16) Acetone	3.82	43	363459	220.802	ug/l #	83
17) Carbon Disulfide	4.04	76	528055	46.419	ug/l	99
18) Methyl Acetate	4.33	43	219058	59.706	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	680577	54.927	ug/l	95
20) Methylene Chloride	4.55	84	246738	50.849	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	230819	53.242	ug/l #	82
22) Diisopropyl ether	5.96	45	896869	56.873	ug/l #	94
23) Vinyl Acetate	5.90	43	3339207	299.813	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	468007	55.119	ug/l	98
25) 2-Butanone	6.85	43	629106	298.348	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	293321	48.461	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	269539	52.125	ug/l	87
28) Bromochloromethane	7.19	49	236226	56.521	ug/l #	72
29) Tetrahydrofuran	7.22	42	432182	315.838	ug/l #	84
30) Chloroform	7.37	83	453532	54.732	ug/l	100
31) Cyclohexane	7.65	56	430836	53.068	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	372891	54.546	ug/l	95
36) 1,1-Dichloropropene	7.79	75	342081	49.703	ug/l	95
37) Ethyl Acetate	6.94	43	282483	57.707	ug/l #	94
38) Carbon Tetrachloride	7.77	117	325506	48.668	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	367490	46.678	ug/l	90
40) Benzene	8.04	78	1000034	50.812	ug/l	100
41) Methacrylonitrile	7.18	41	158157	52.978	ug/l	89
42) 1,2-Dichloroethane	8.12	62	368886	51.467	ug/l	97
43) Isopropyl Acetate	8.17	43	473064	57.222	ug/l #	94
44) Trichloroethene	8.83	130	264316	48.306	ug/l	92
45) 1,2-Dichloropropane	9.12	63	284515	53.837	ug/l	99
46) Dibromomethane	9.21	93	168290	53.378	ug/l	88
47) Bromodichloromethane	9.40	83	344842	52.703	ug/l	96
48) Methyl methacrylate	9.20	41	249748	55.659	ug/l	87
49) 1,4-Dioxane	9.20	88	55192	1100.248	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1376213	300.372	ug/l	94
52) Toluene	10.16	92	608491	50.269	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	332769	48.291	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	398222	53.080	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	230541	52.983	ug/l	97
56) Ethyl methacrylate	10.43	69	322726	55.259	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	404441	53.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	652612	271.371	ug/l	90
59) 2-Hexanone	10.75	43	877830	293.323	ug/l	91
60) Dibromochloromethane	10.90	129	243957	52.689	ug/l	99
61) 1,2-Dibromoethane	11.01	107	226884	52.743	ug/l	100
64) Tetrachloroethene	10.63	164	252004	47.067	ug/l	96
65) Chlorobenzene	11.43	112	643739	49.033	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	245042	52.000	ug/l	99
67) Ethyl Benzene	11.51	91	1148270	49.513	ug/l	98
68) m/p-Xylenes	11.62	106	863517	98.303	ug/l	96
69) o-Xylene	11.95	106	419760	48.931	ug/l	96
70) Styrene	11.96	104	710630	51.010	ug/l	97
71) Bromoform	12.13	173	152963	47.212	ug/l #	99
73) Isopropylbenzene	12.25	105	1110148	48.851	ug/l	98
74) N-amyl acetate	12.07	43	393716	60.254	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	290681	56.034	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	245802m	54.926	ug/l	
77) Bromobenzene	12.53	156	277931	49.312	ug/l	85
78) n-propylbenzene	12.59	91	1223440	49.648	ug/l	96
79) 2-Chlorotoluene	12.67	91	752656	48.979	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	913378	49.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63298	48.840	ug/l #	81
82) 4-Chlorotoluene	12.77	91	741464	49.778	ug/l	96
83) tert-Butylbenzene	12.99	119	795110	49.044	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	901960	49.354	ug/l	98
85) sec-Butylbenzene	13.17	105	987856	48.879	ug/l	97
86) p-Isopropyltoluene	13.29	119	876810	48.493	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	463655	49.642	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	449194	49.430	ug/l	98
89) n-Butylbenzene	13.61	91	709407	50.177	ug/l	97
90) Hexachloroethane	13.87	117	145765	51.937	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	457604	50.583	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44827	58.913	ug/l	83

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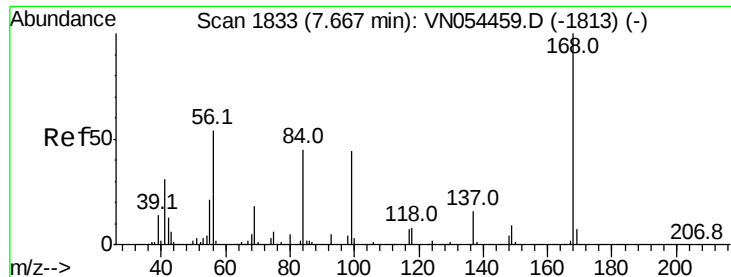
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	226400	50.202	ug/l	100
94) Hexachlorobutadiene	15.01	225	123642	48.734	ug/l	98
95) Naphthalene	15.13	128	544339	54.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	231248	51.520	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 440176

Ion Ratio Lower Upper

168 100

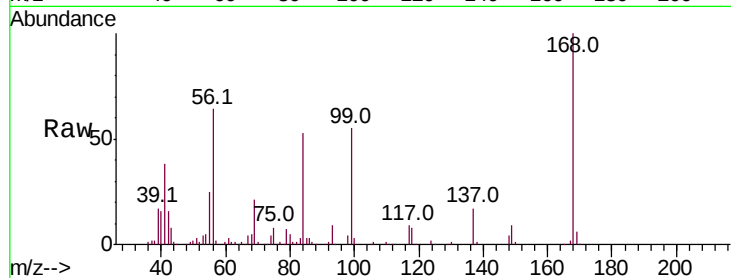
99 54.2 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

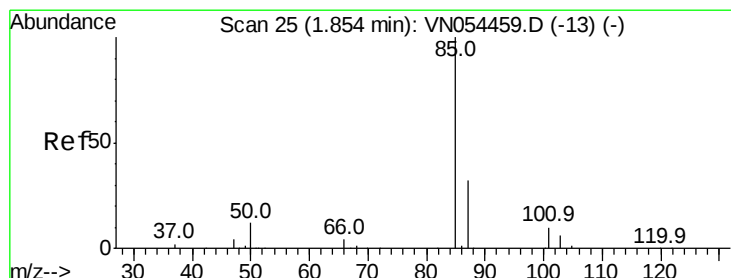
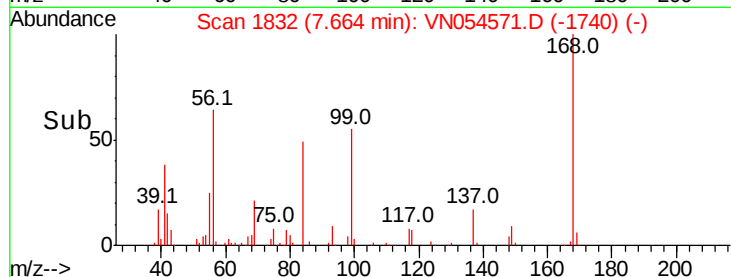
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.228 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054571.D

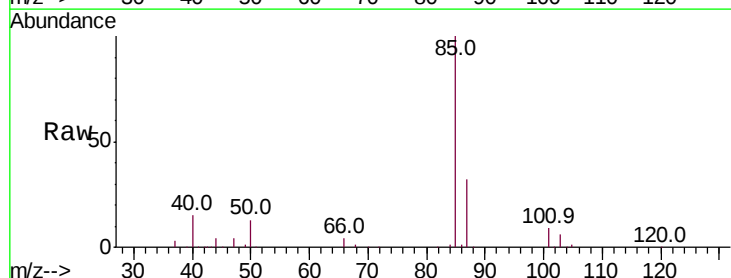
Acq: 22 Mar 2019 21:45

Tgt Ion: 85 Resp: 219773

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

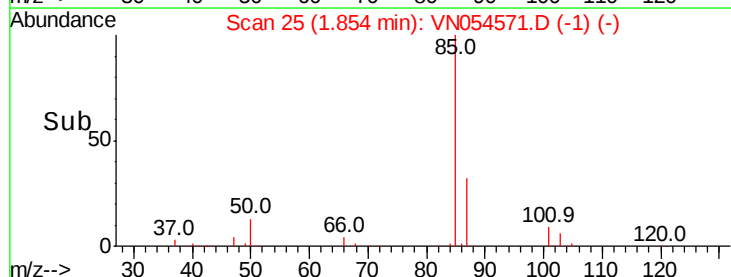
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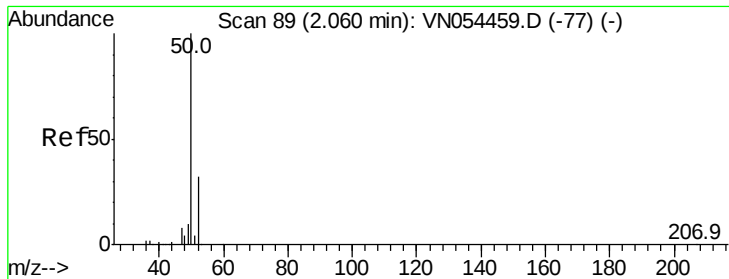
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 53.429 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 305898

Ion Ratio Lower Upper

50 100

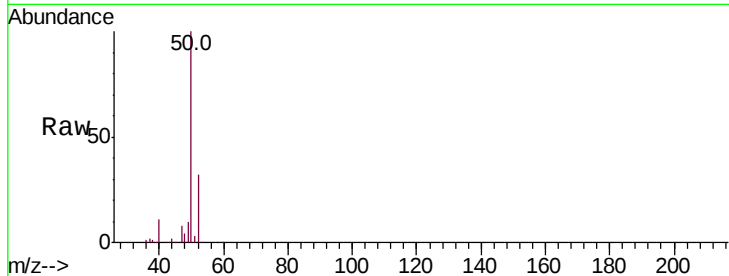
52 32.1 26.4 39.6

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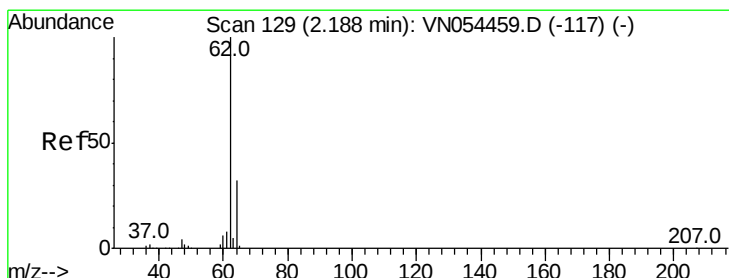
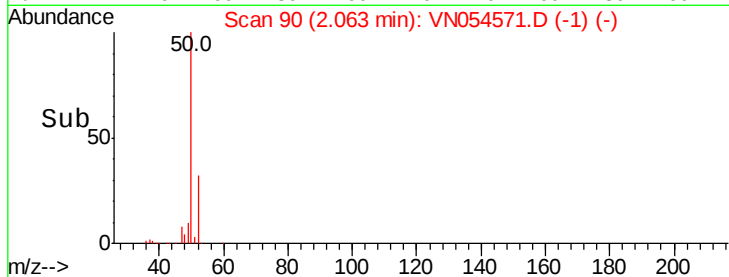
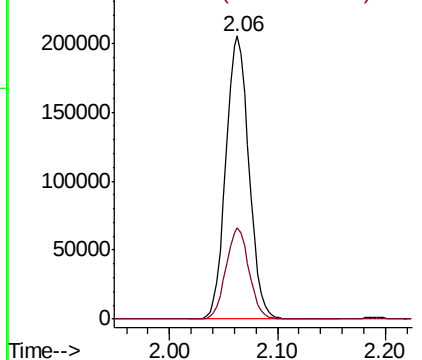
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.513 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054571.D

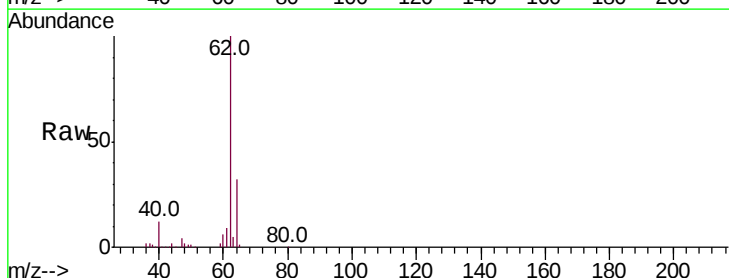
Acq: 22 Mar 2019 21:45

Tgt Ion: 62 Resp: 284608

Ion Ratio Lower Upper

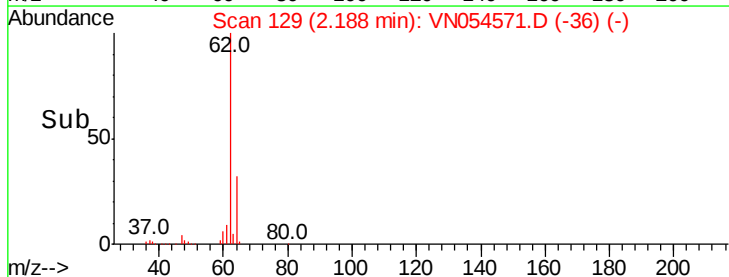
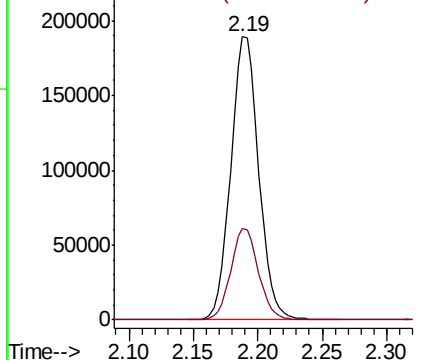
62 100

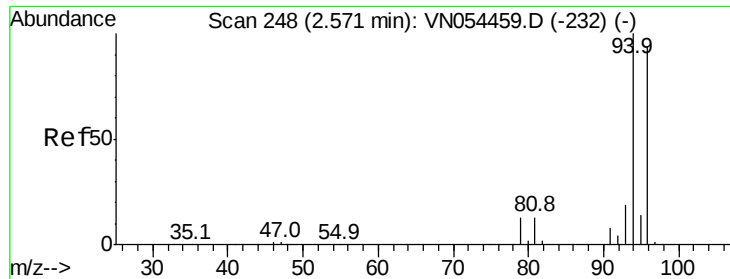
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.691 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 162397

Ion Ratio Lower Upper

94 100

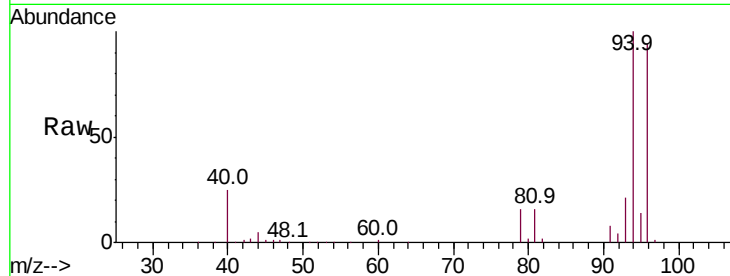
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Manual Integrations

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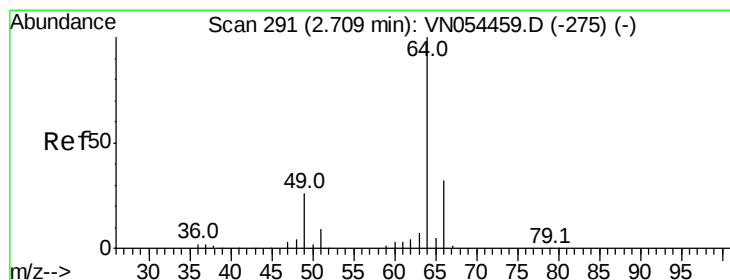
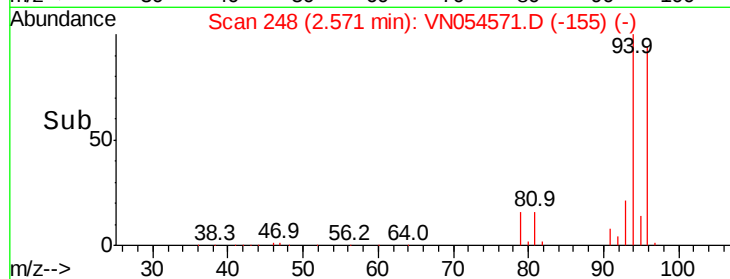
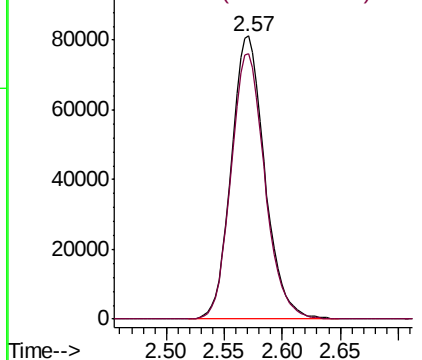
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 45.333 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054571.D

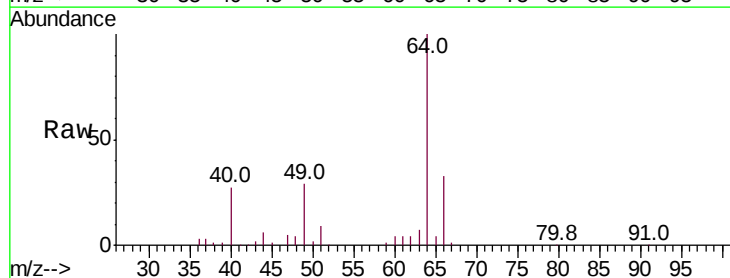
Acq: 22 Mar 2019 21:45

Tgt Ion: 64 Resp: 156296

Ion Ratio Lower Upper

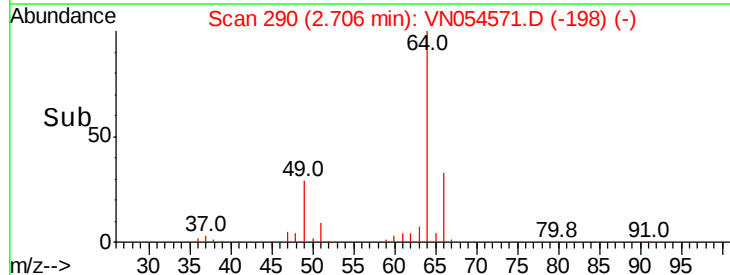
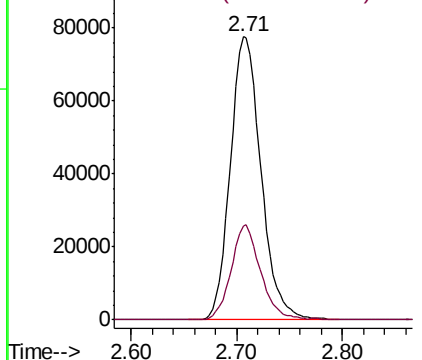
64 100

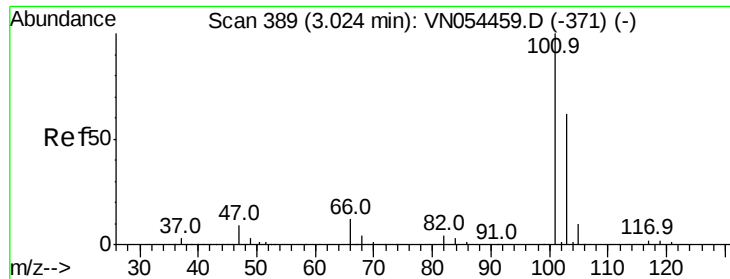
66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

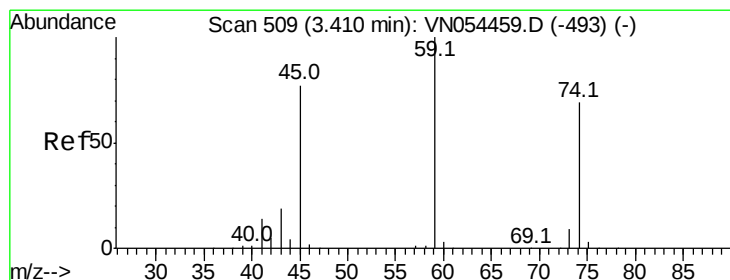
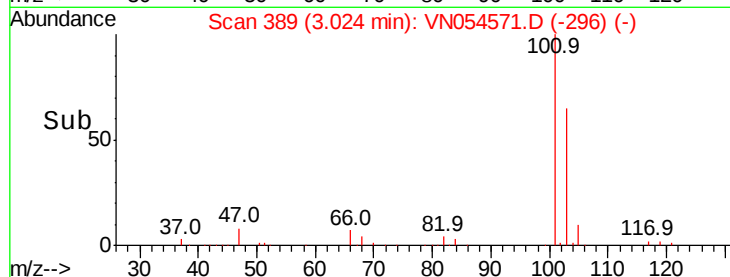
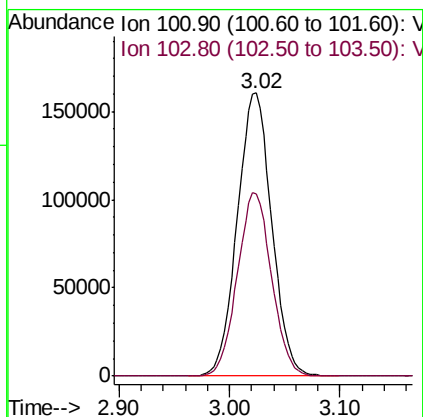
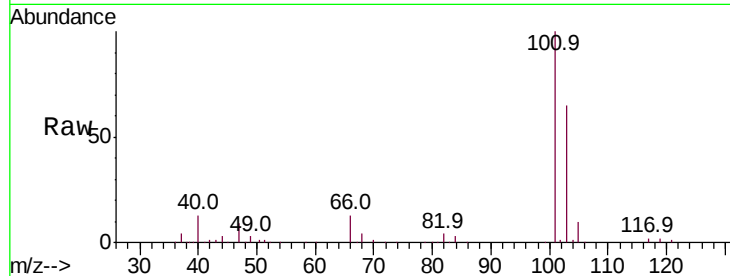
Trichlorofluoromethane
Concen: 49.786 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

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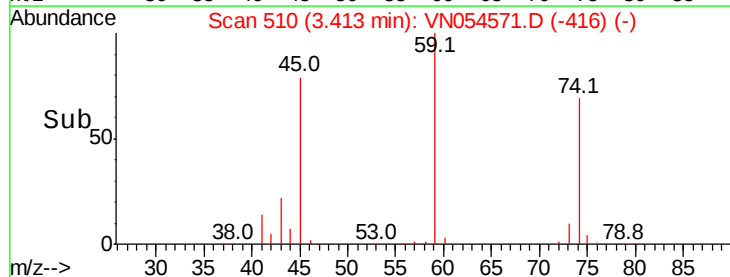
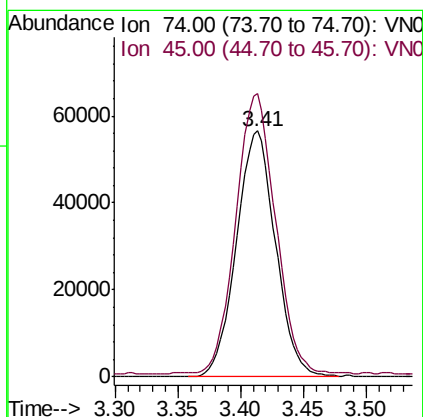
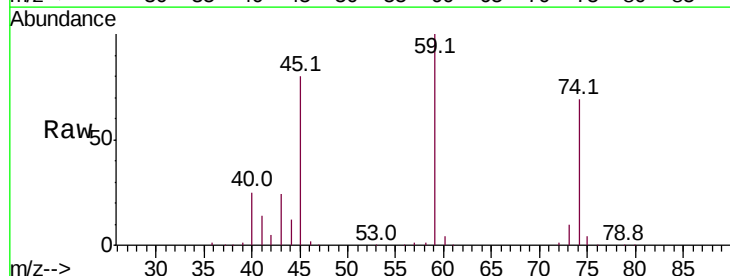
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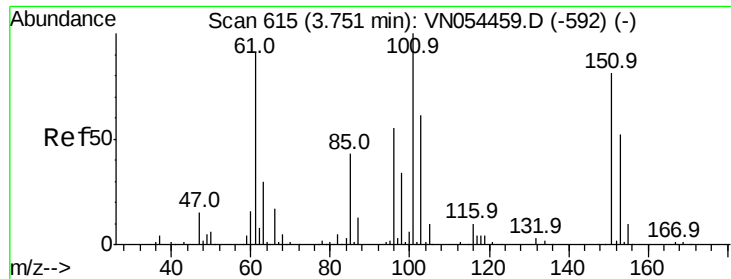


#8

Diethyl Ether
Concen: 45.678 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054571.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	43.1	129.4





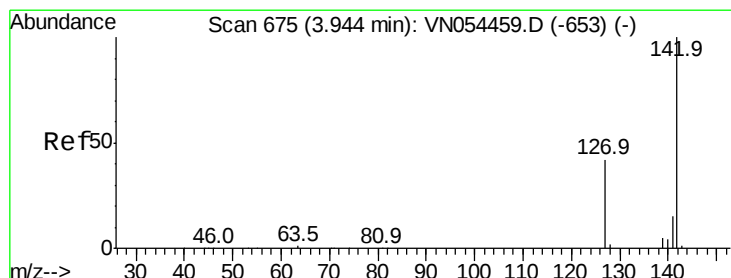
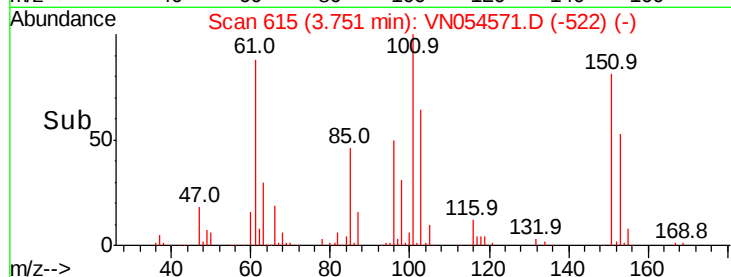
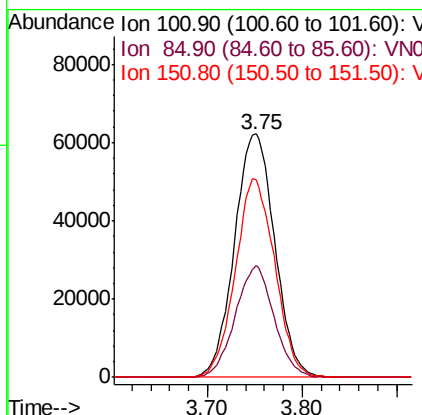
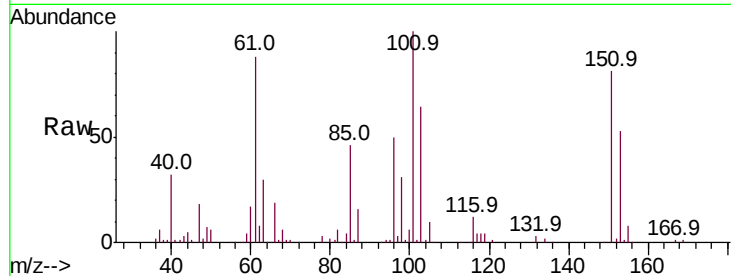
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.850 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	101	Resp:	184000
Ion Ratio	Lower	Upper	
101	100		
85	44.1	32.4	48.6
151	79.7	68.2	102.2

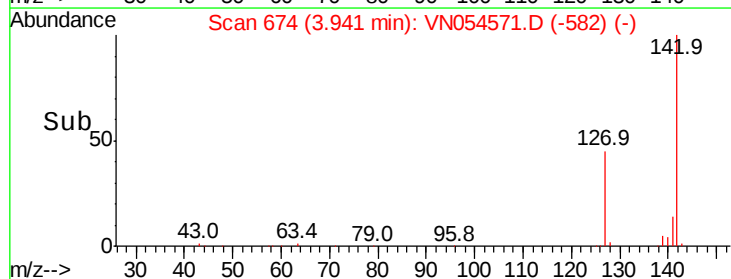
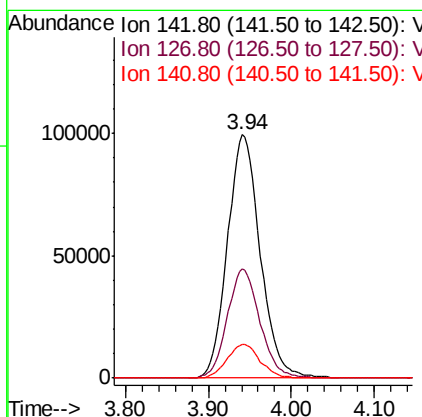
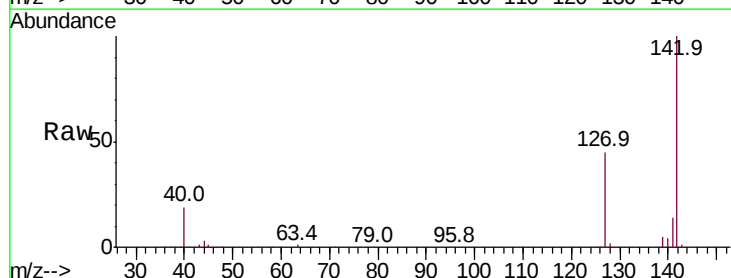
Manual Integrations
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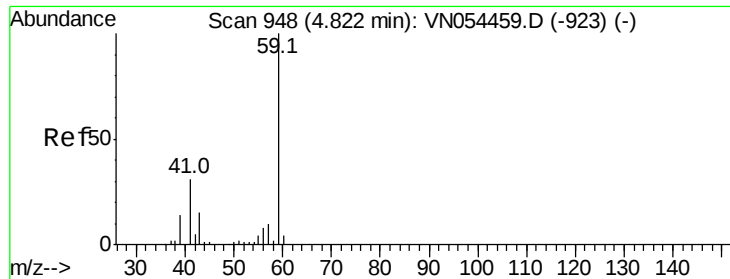
MMDadoda
 3/25/2019 12:53:51 PM



#10
 Methyl Iodide
 Concen: 45.305 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion:	142	Resp:	273413
Ion Ratio	Lower	Upper	
142	100		
127	44.7	30.3	45.5
141	14.1	11.2	16.8





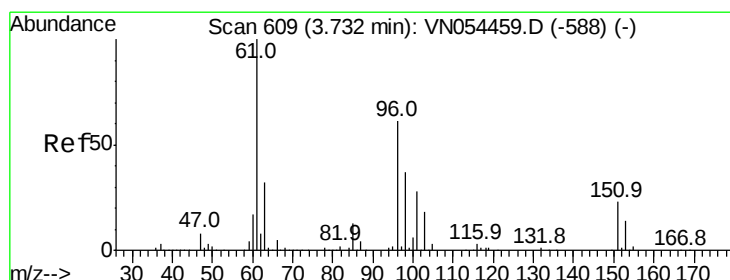
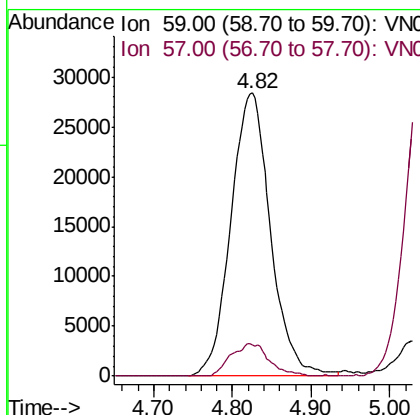
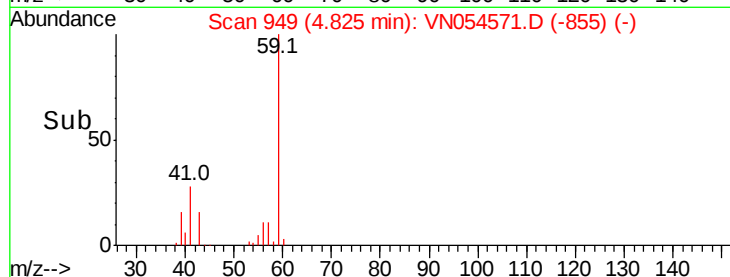
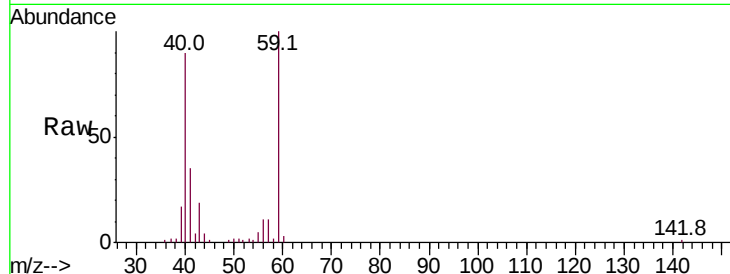
#11
Tert butyl alcohol
Concen: 301.957 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 100091
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.6

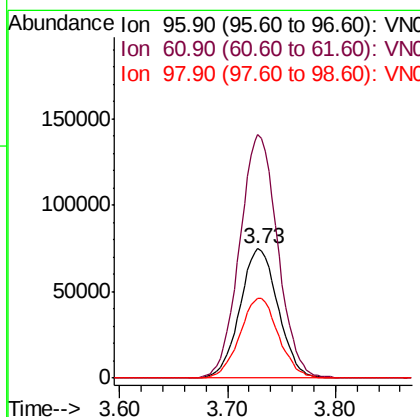
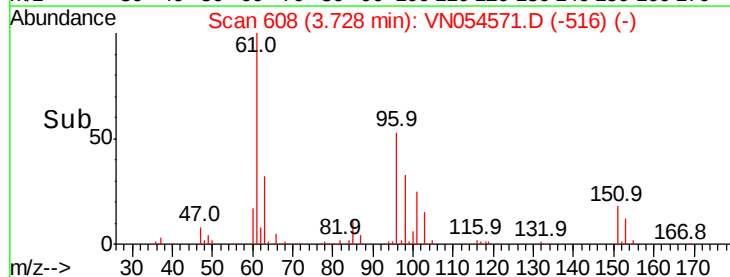
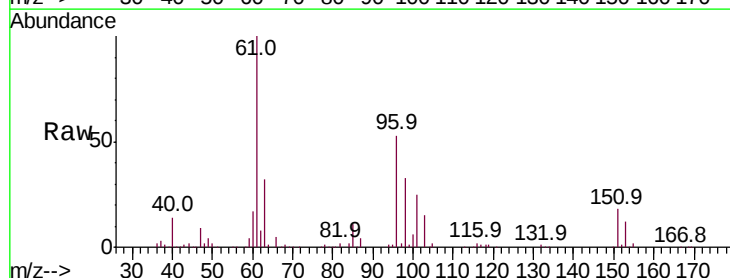
Manual Integrations
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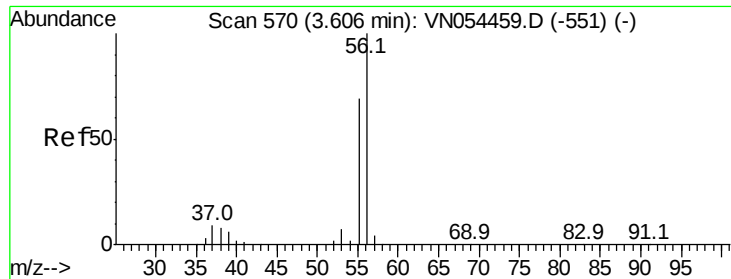
MMDadoda
3/25/2019 12:53:51 PM



#12
1,1-Dichloroethene
Concen: 43.434 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion: 96 Resp: 184407
Ion Ratio Lower Upper
96 100
61 188.1 116.5 174.7#
98 61.4 51.0 76.4





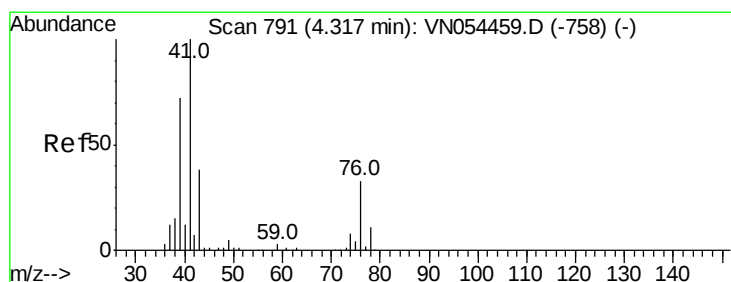
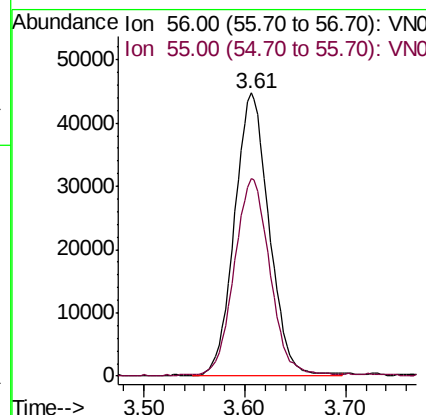
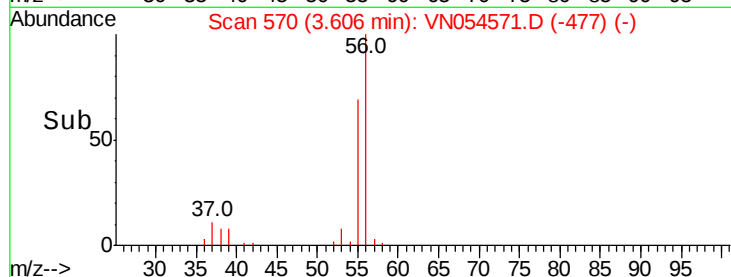
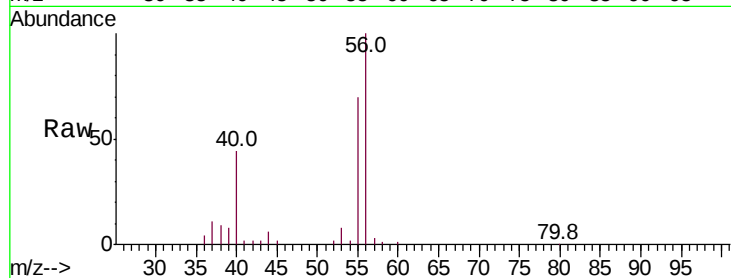
#13
Acrolein
Concen: 233.783 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	106941
Ion Ratio	Lower	Upper	
56	100		
55	70.6	56.7	85.1

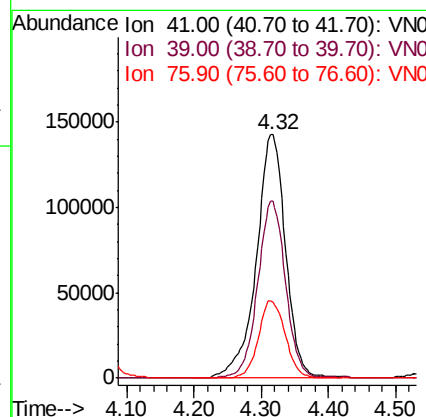
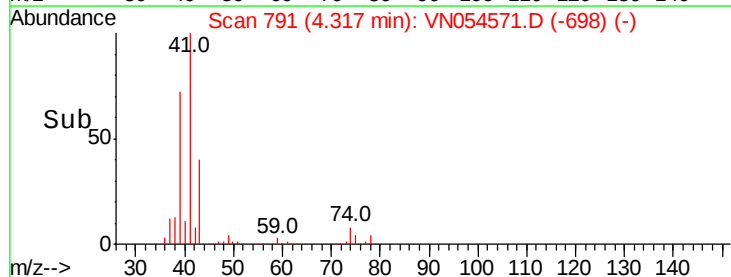
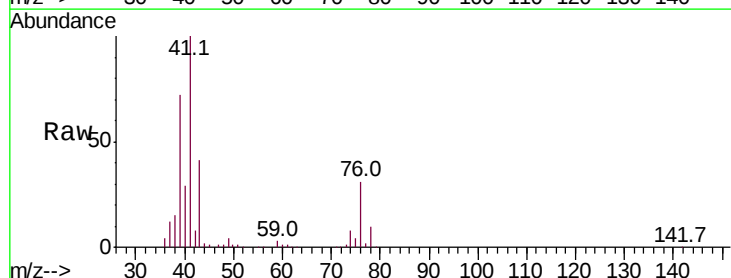
Manual Integrations
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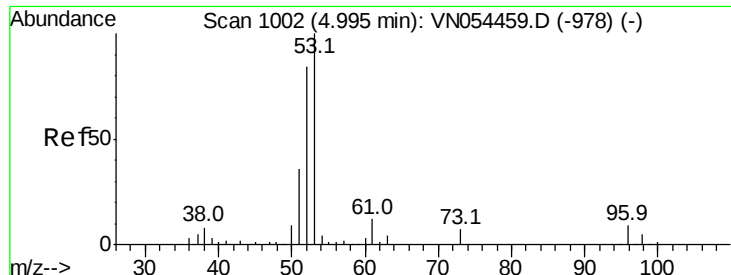
MMDadoda
3/25/2019 12:53:51 PM



#14
Allyl chloride
Concen: 53.883 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	41	Resp	430783
Ion Ratio	Lower	Upper	
41	100		
39	69.4	58.2	87.4
76	29.2	31.7	47.5#





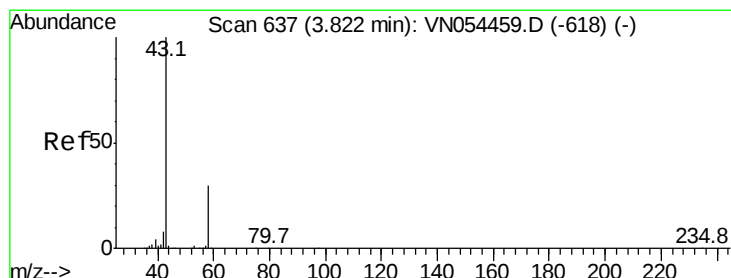
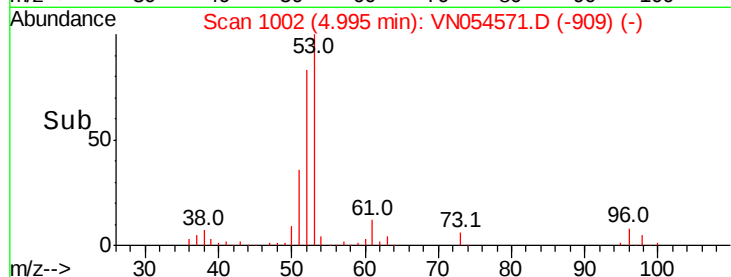
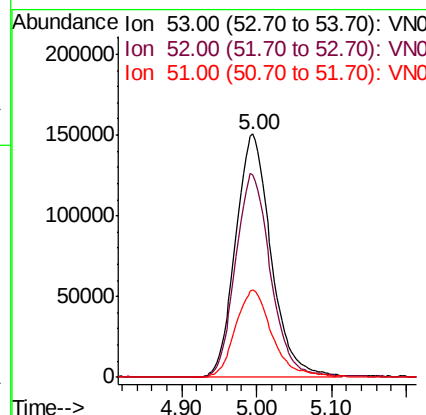
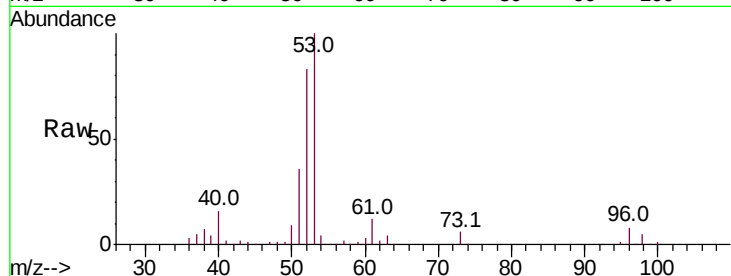
#15
 Acrylonitrile
 Concen: 301.812 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.9	29.6	44.4

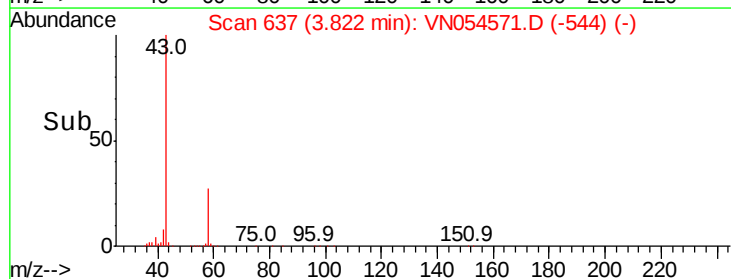
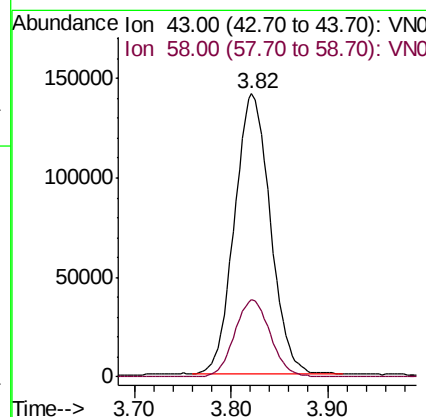
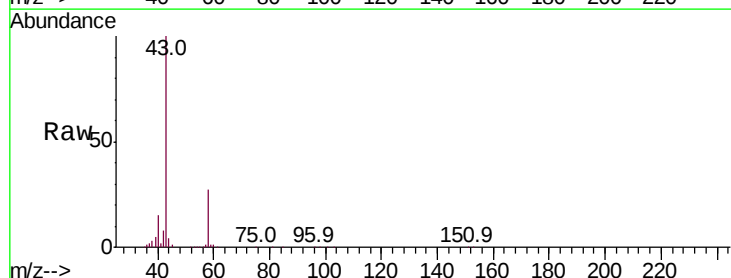
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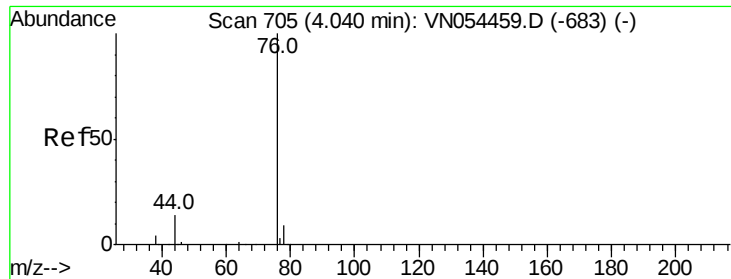
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#16
 Acetone
 Concen: 220.802 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.3	29.9	44.9#





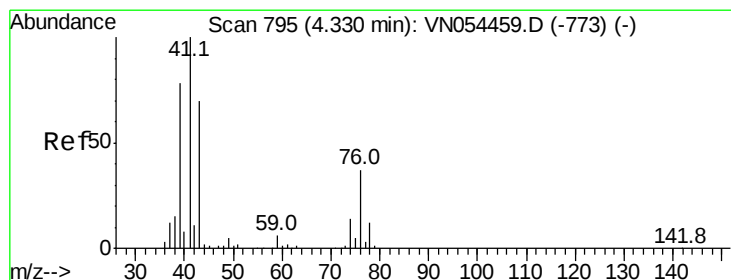
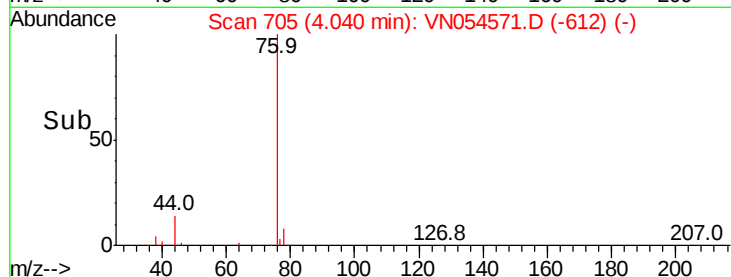
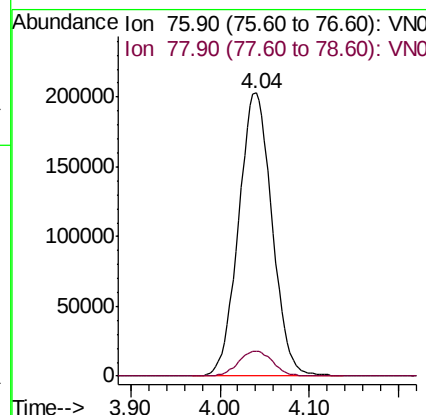
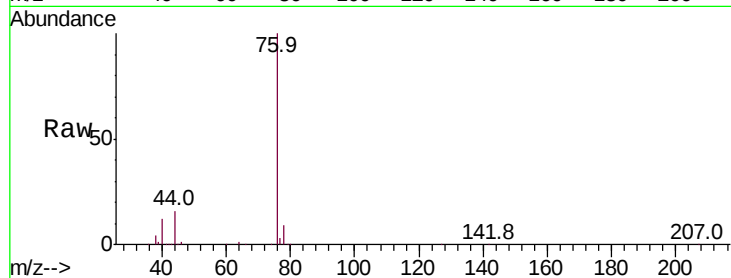
#17
Carbon Disulfide
Concen: 46.419 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

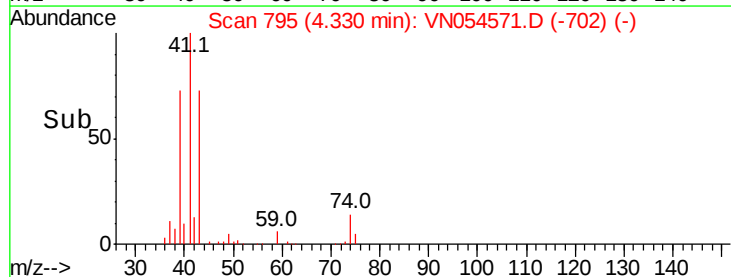
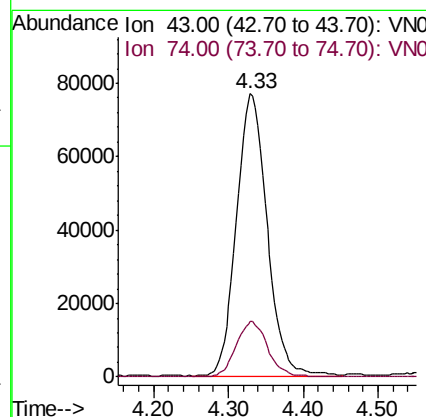
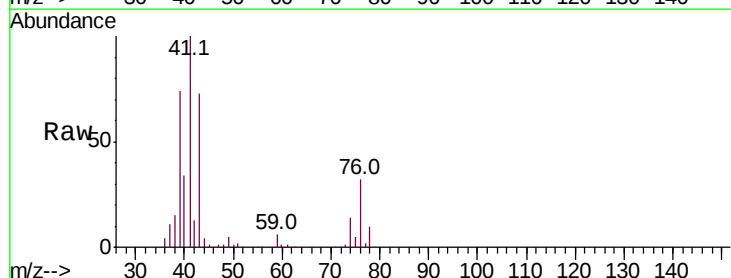
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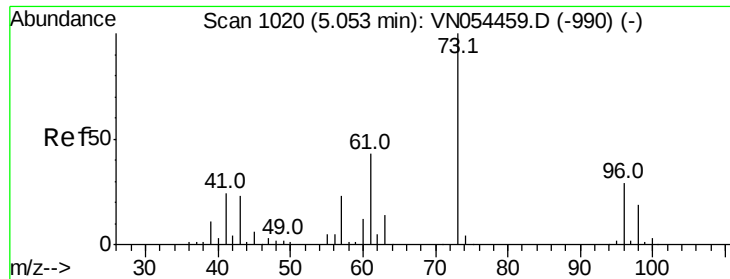
MMDadoda
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#18
Methyl Acetate
Concen: 59.706 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	20.8	31.2#





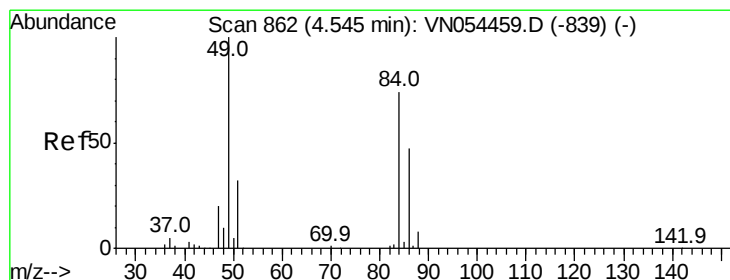
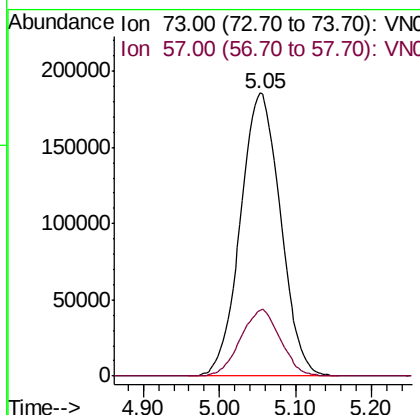
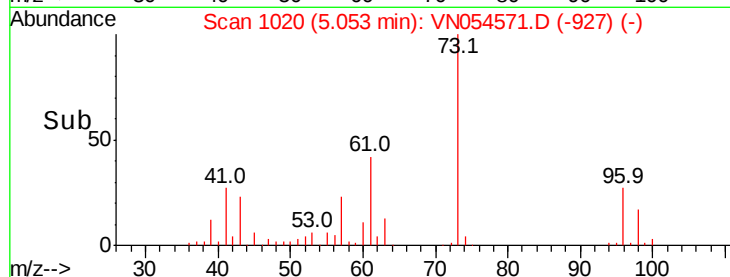
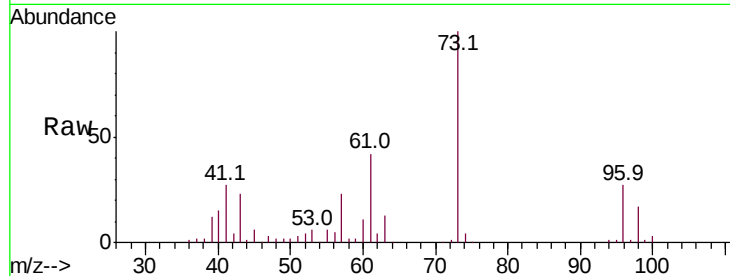
#19
Methvl tert-butvl Ether
Concen: 54.927 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 680577
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

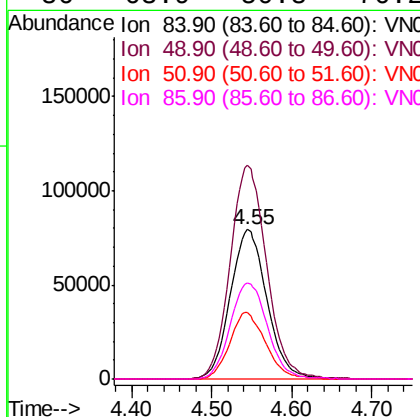
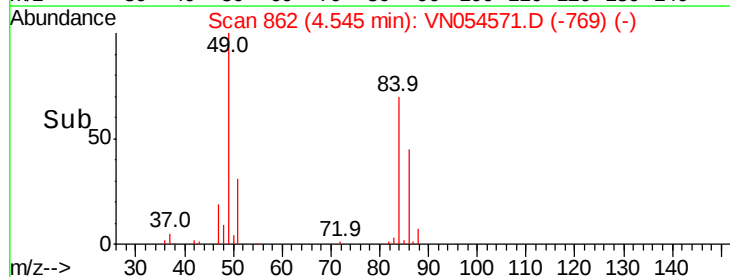
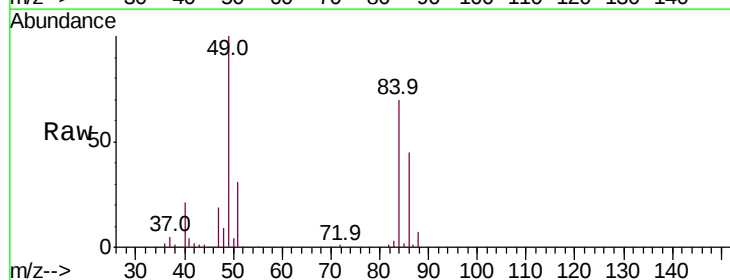
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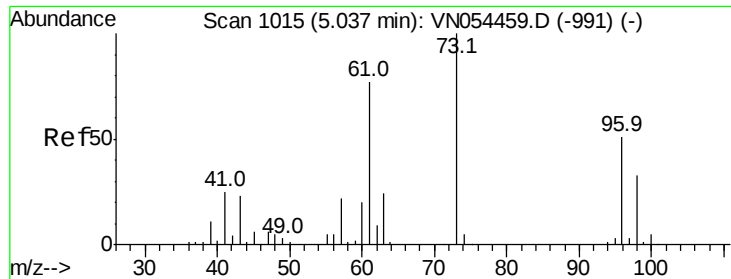
MMDadoda
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#20
Methylene Chloride
Concen: 50.849 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion: 84 Resp: 246738
Ion Ratio Lower Upper
84 100
49 142.8 89.7 134.5#
51 44.3 28.2 42.4#
86 63.9 50.8 76.2





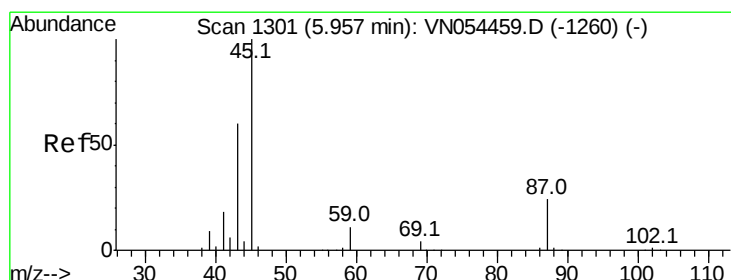
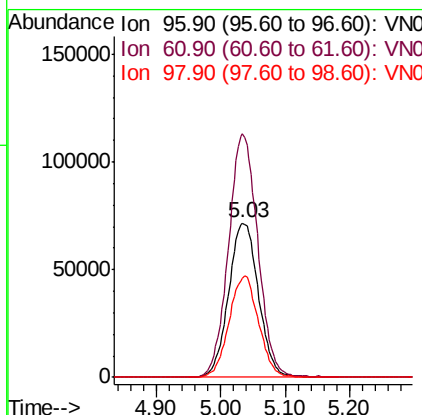
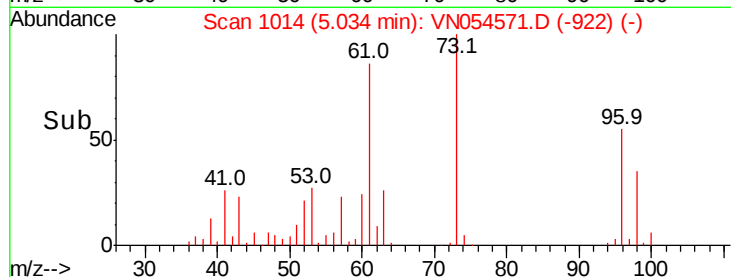
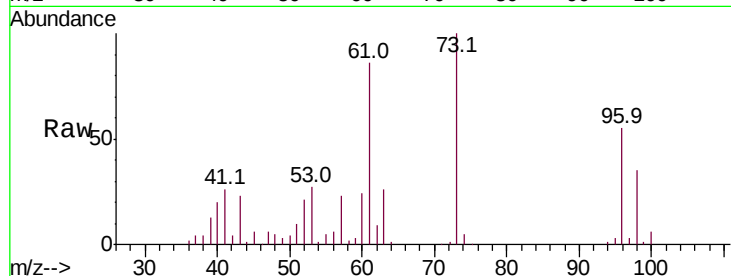
#21
trans-1,2-Dichloroethene
Concen: 53.242 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	102.8	154.2#
98	64.5	50.0	75.0

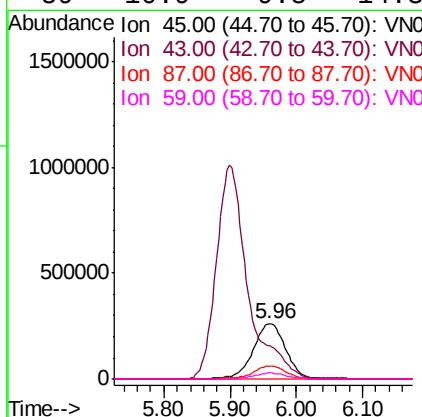
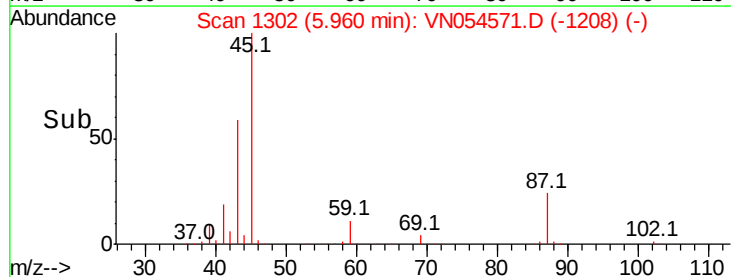
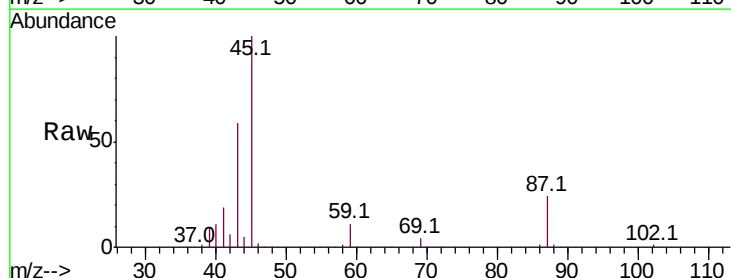
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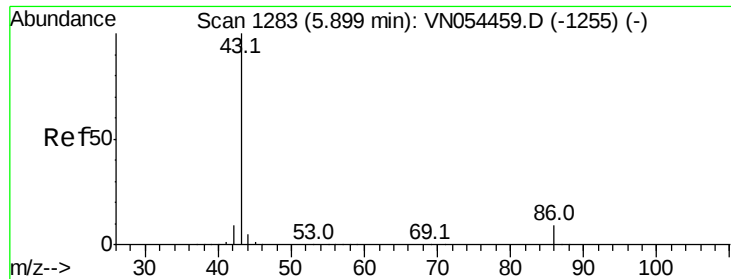
MMDadoda
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#22
Diisopropyl ether
Concen: 56.873 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.2	72.2
87	23.5	24.9	37.3#
59	10.9	9.5	14.3





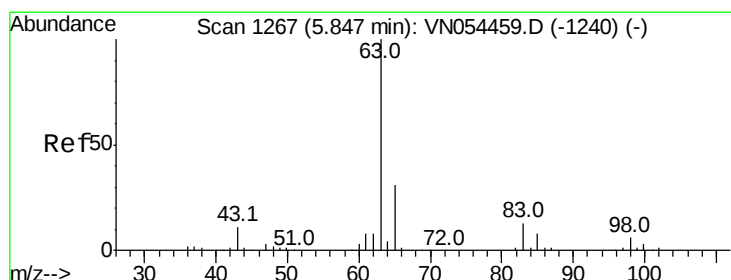
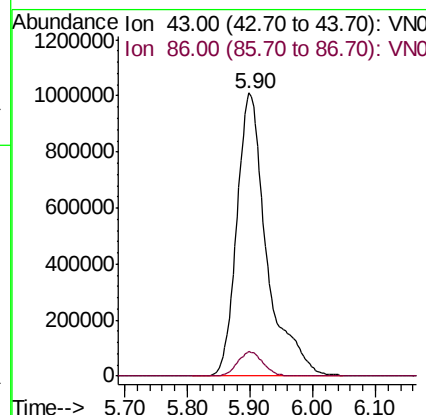
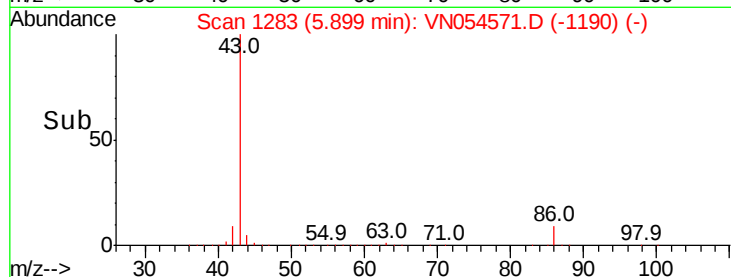
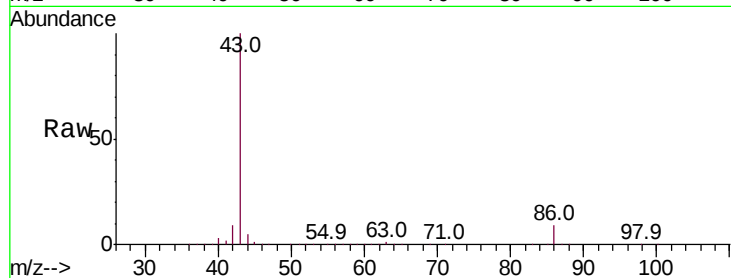
#23
 Vinyl Acetate
 Concen: 299.813 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3339207
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#

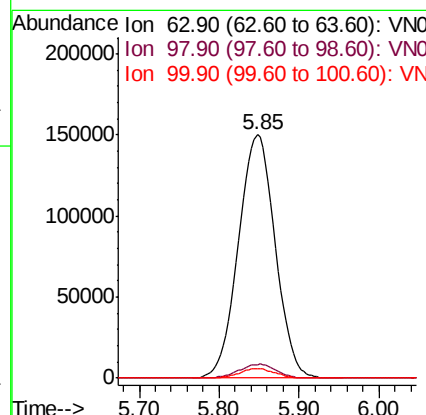
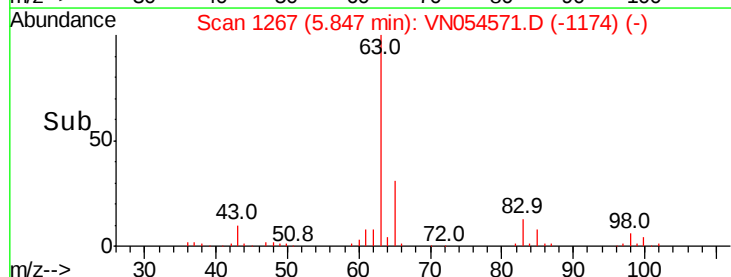
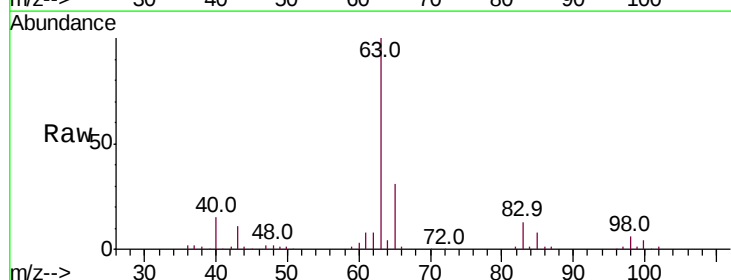
Manual Integrations
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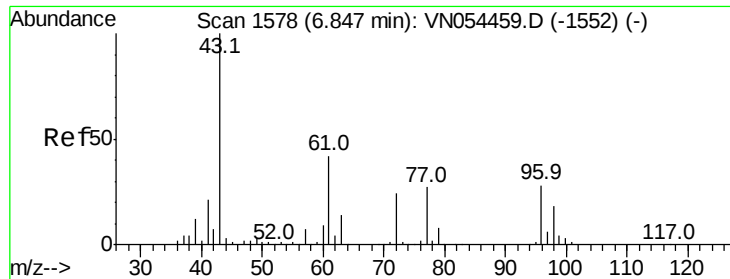
MMDadoda
 3/25/2019 12:53:51 PM



#24
 1,1-Dichloroethane
 Concen: 55.119 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion: 63 Resp: 468007
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 298.348 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 629106

Ion Ratio Lower Upper

43 100

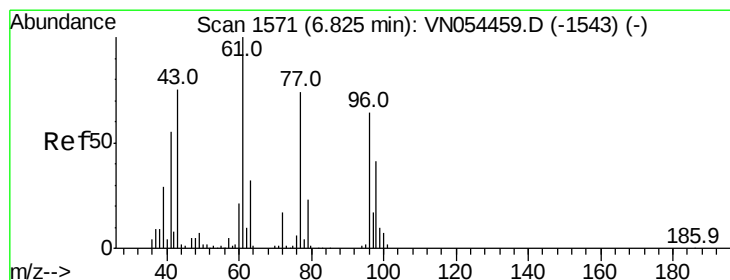
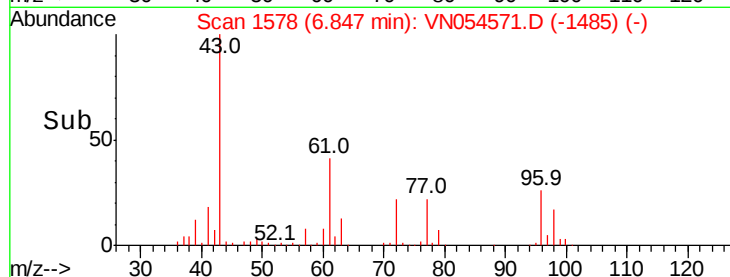
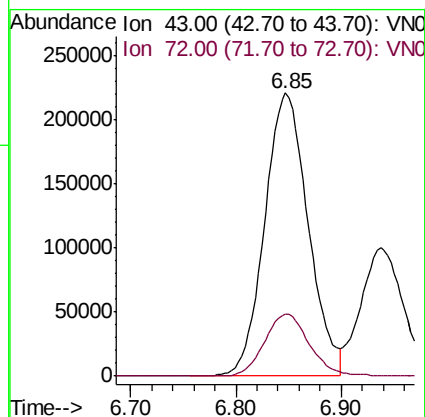
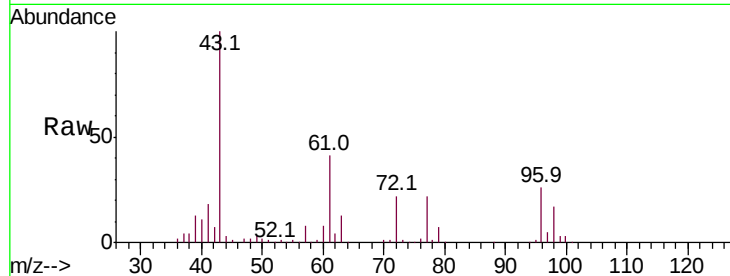
72 22.1 23.0 34.6#

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 48.461 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054571.D

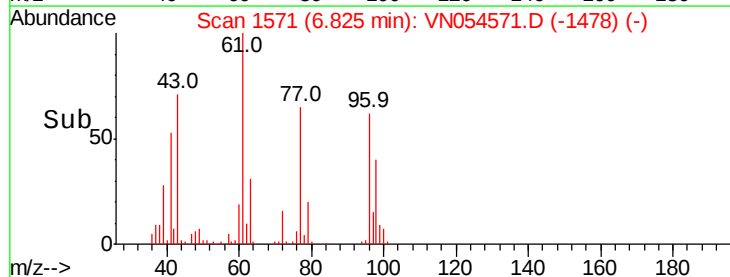
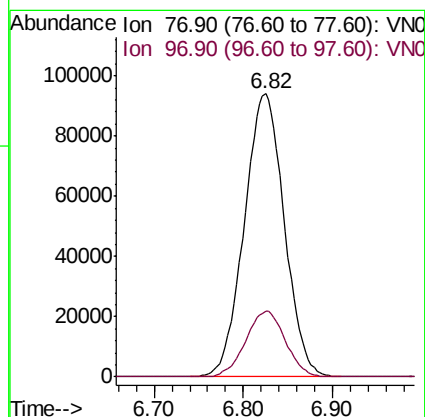
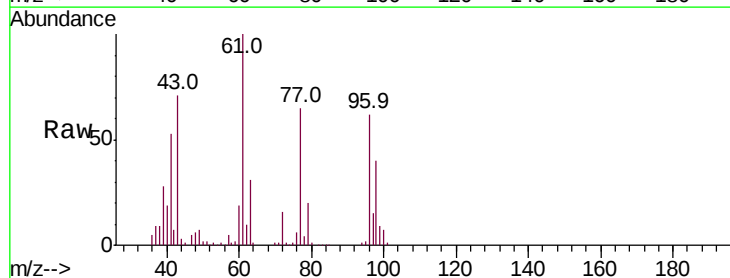
Acq: 22 Mar 2019 21:45

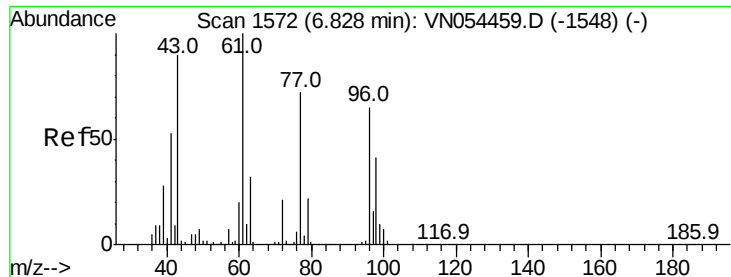
Tgt Ion: 77 Resp: 293321

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.125 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

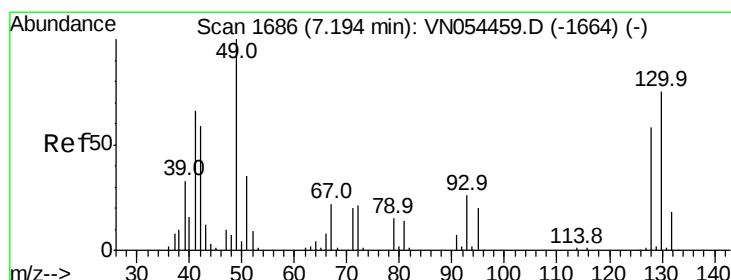
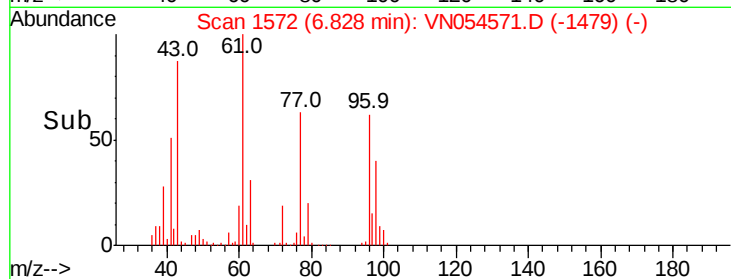
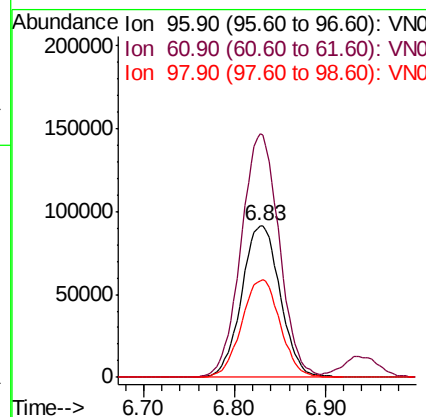
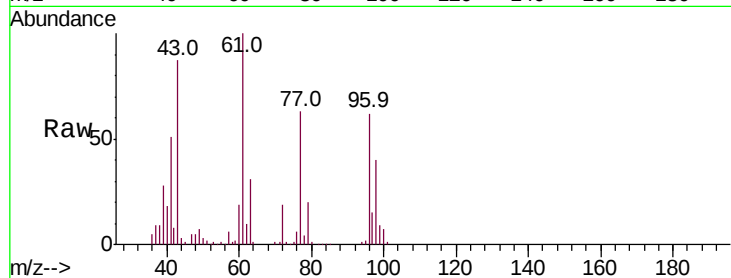
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	269539
Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	273.0
98	64.1	0.0	130.6

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#28

Bromochloromethane

Concen: 56.521 ug/l

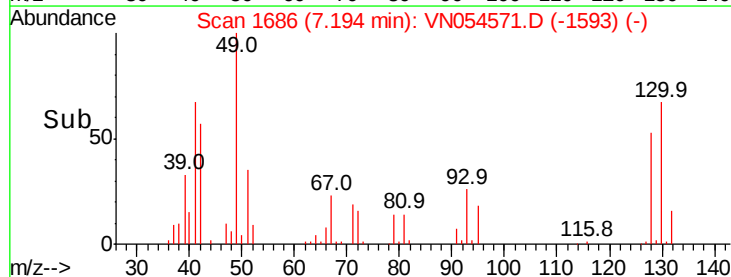
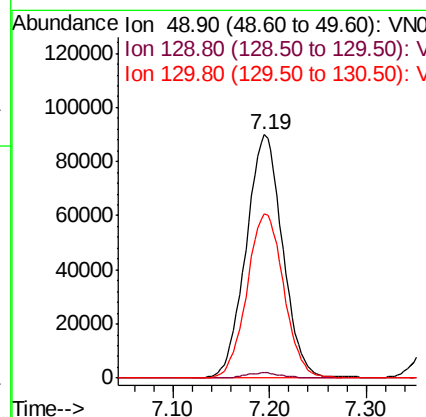
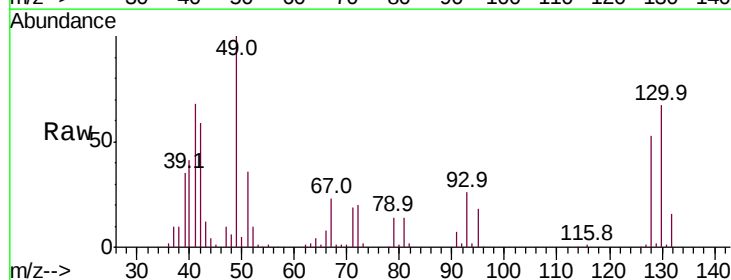
RT: 7.19 min Scan# 1686

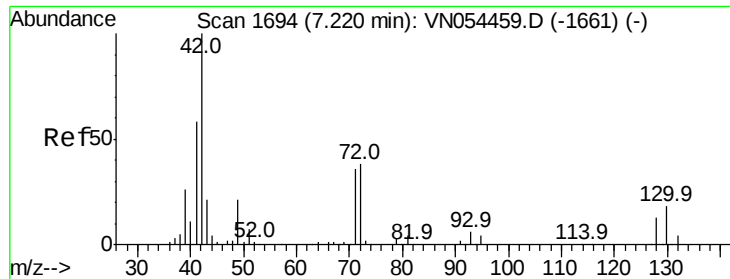
Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Tgt Ion:	49	Resp:	236226
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	67.9	76.7	115.1#





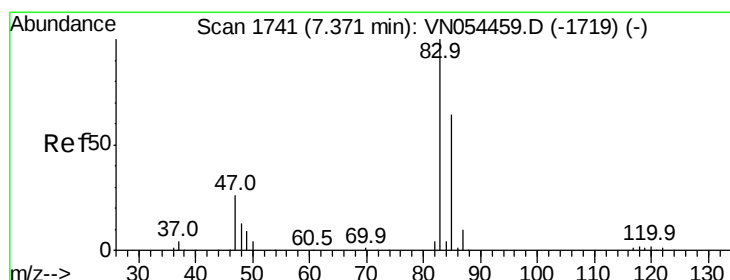
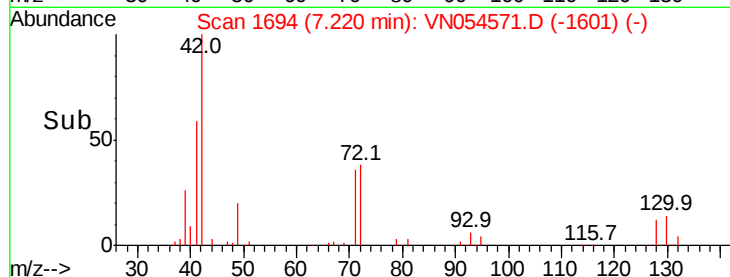
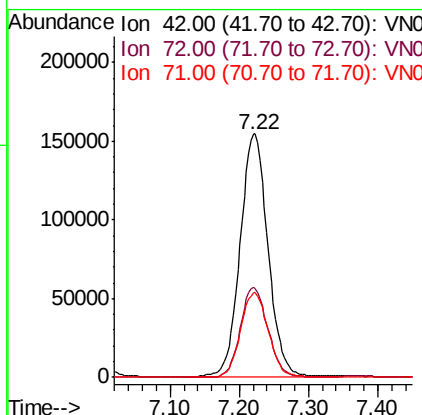
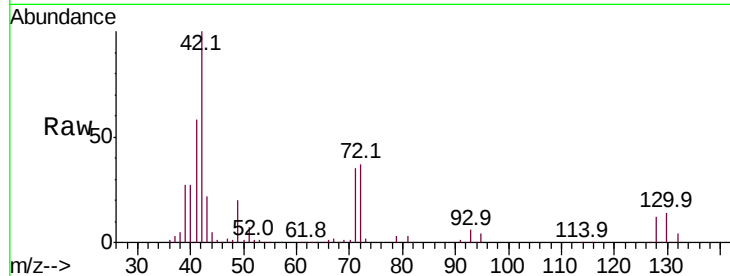
#29
Tetrahydrofuran
Concen: 315.838 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	37.8	56.6#
71	34.7	36.2	54.2#

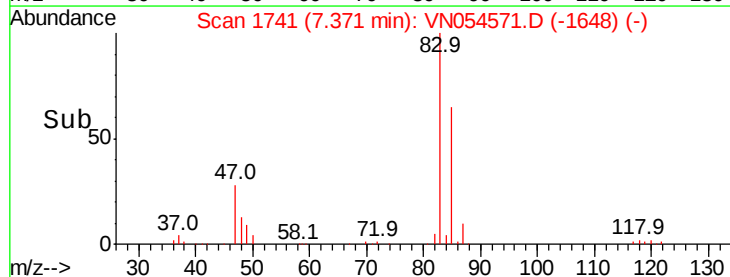
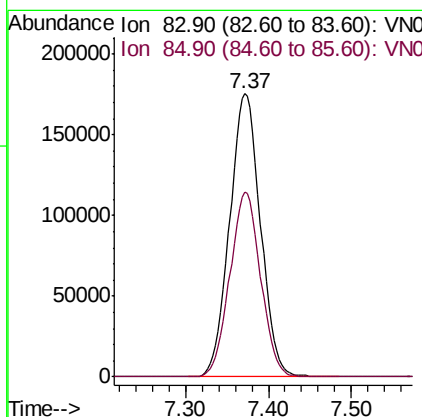
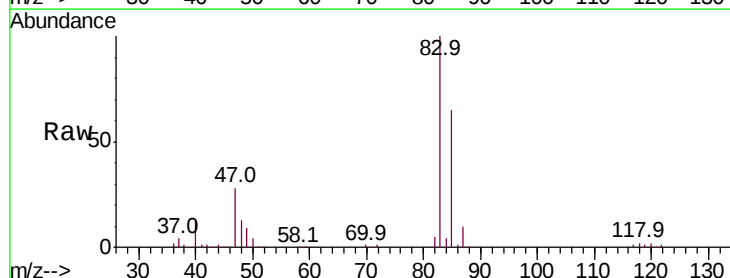
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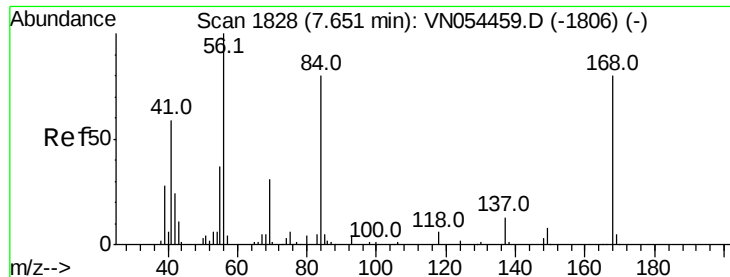
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#30
Chloroform
Concen: 54.732 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4





#31

Cyclohexane

Concen: 53.068 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 430836

Ion Ratio Lower Upper

56 100

69 31.1 27.8 41.6

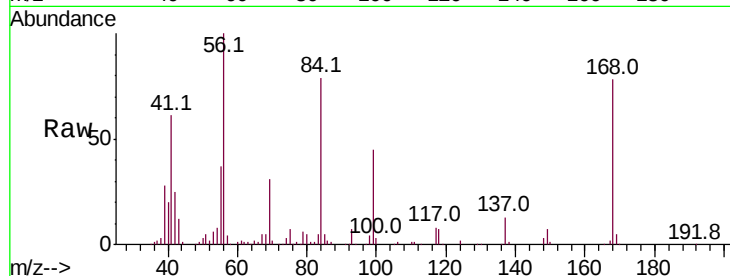
84 77.5 74.6 111.8

Manual Integrations

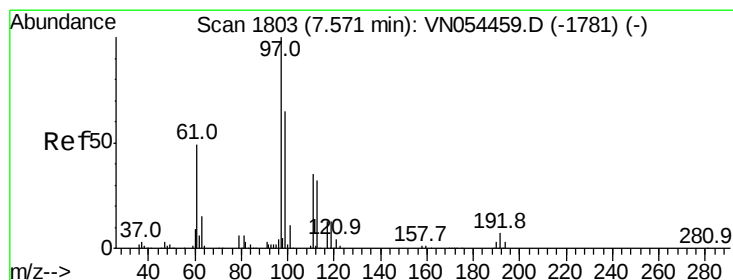
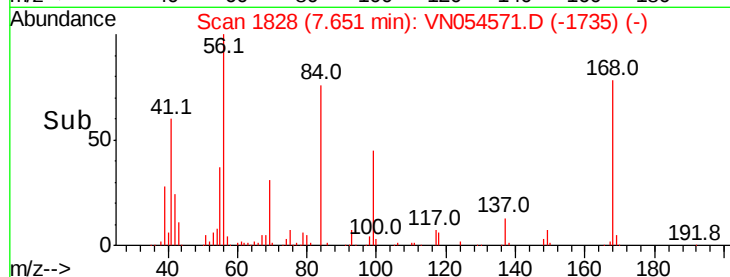
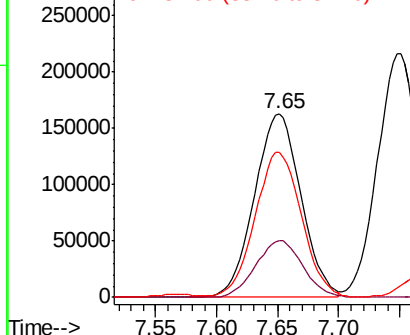
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 54.546 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

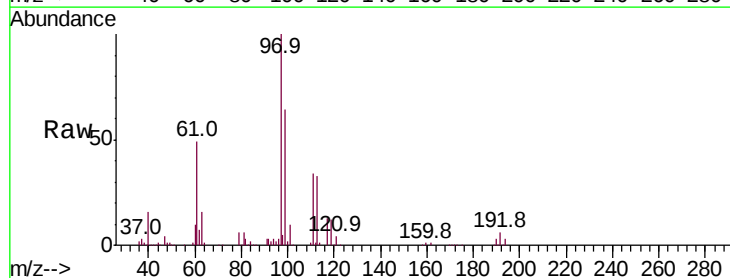
Tgt Ion: 97 Resp: 372891

Ion Ratio Lower Upper

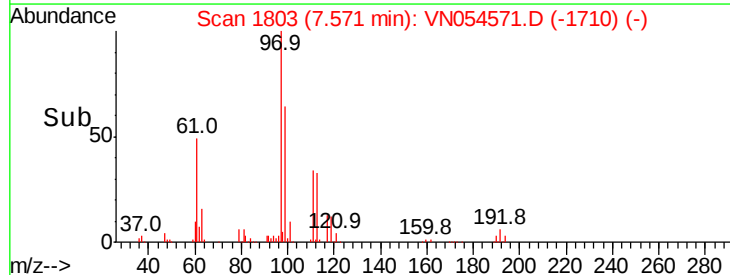
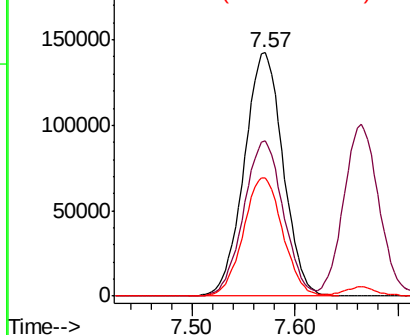
97 100

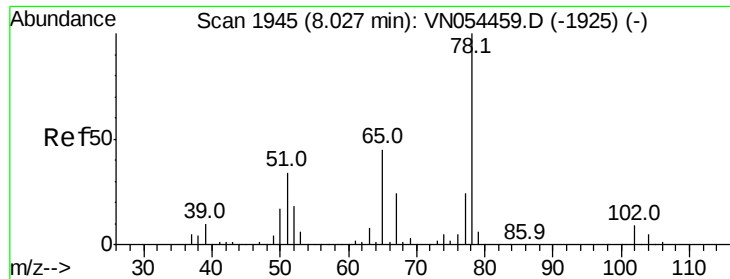
99 64.8 51.5 77.3

61 49.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





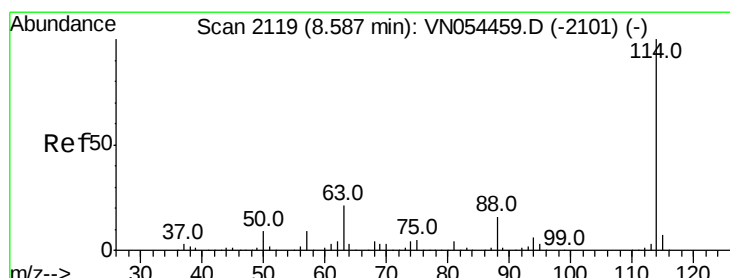
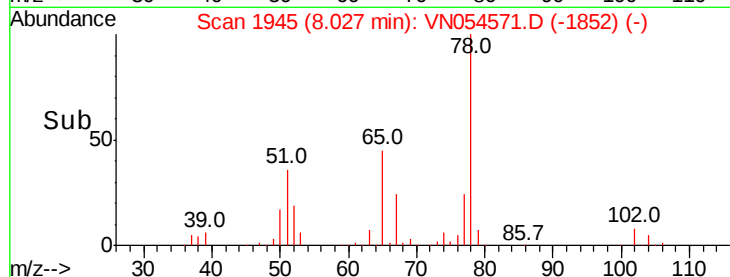
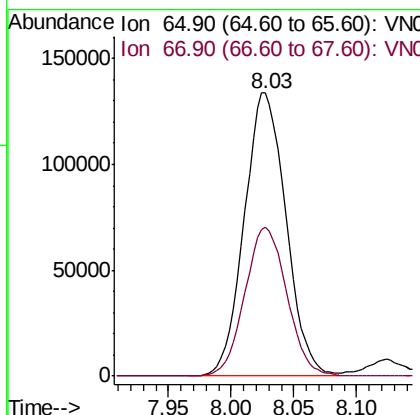
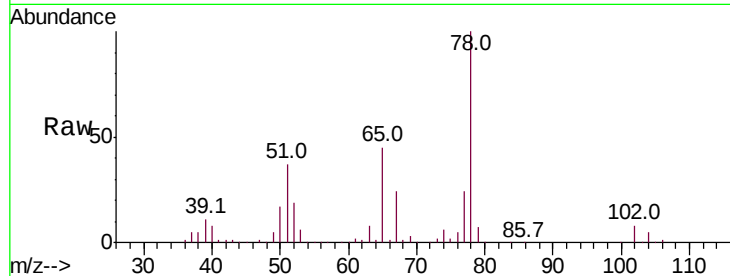
#33
 1,2-Dichloroethane-d4
 Concen: 56.748 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	104.6	

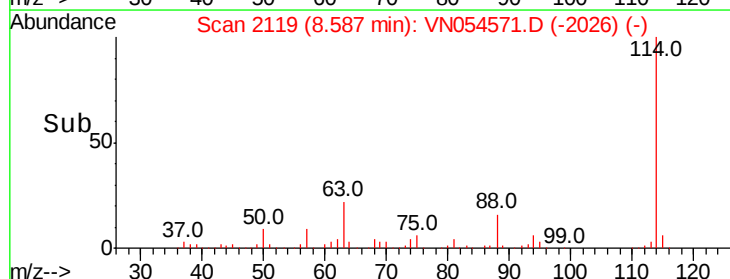
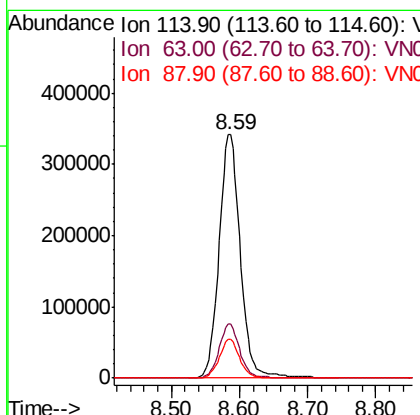
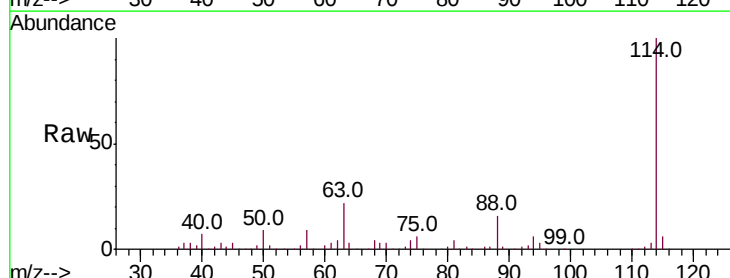
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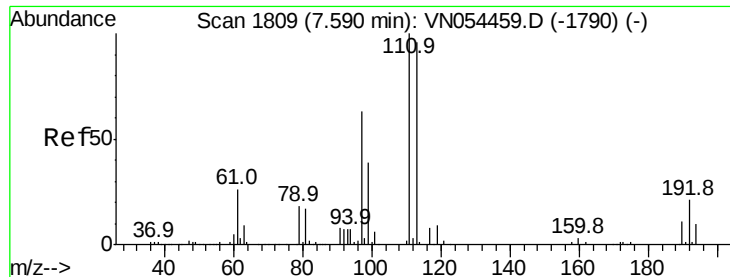
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	35.2	
88	15.8	0.0	30.2	





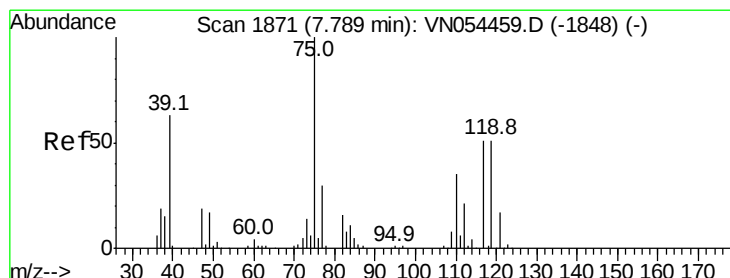
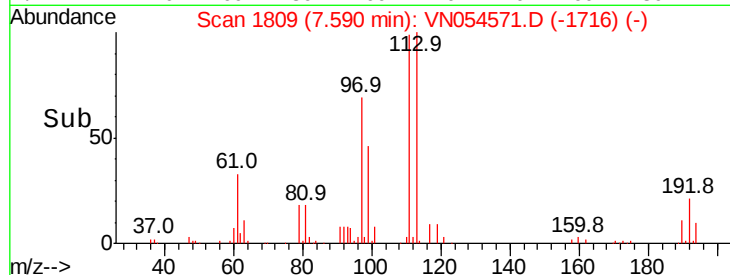
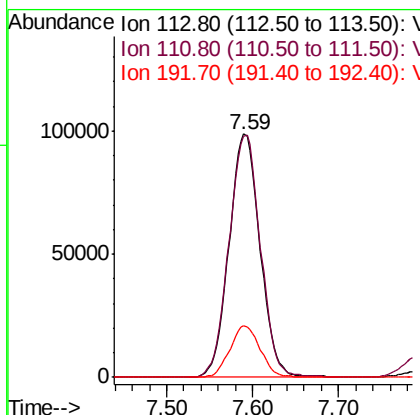
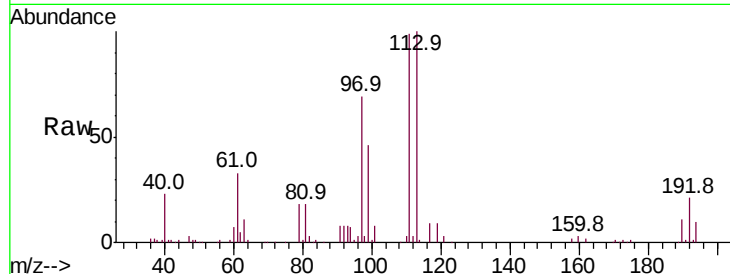
#35
 Dibromofluoromethane
 Concen: 51.958 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	246402		
111	101.1	82.2	123.4	
192	20.9	19.2	28.8	

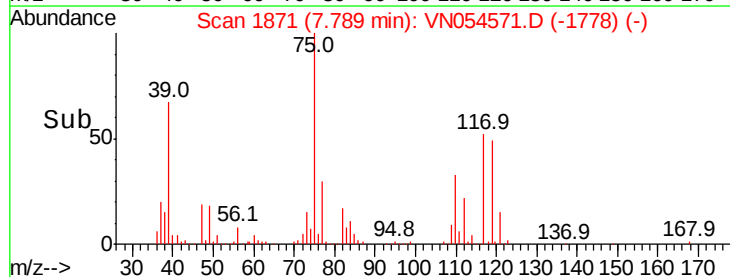
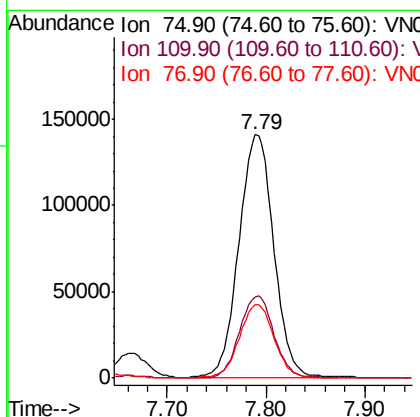
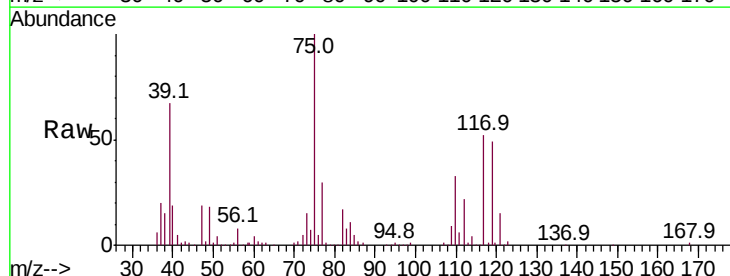
Manual Integrations
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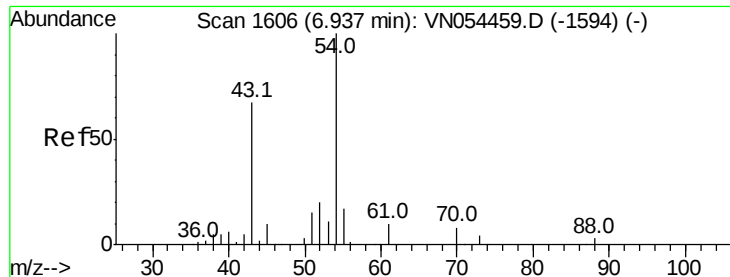
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#36
 1,1-Dichloropropene
 Concen: 49.703 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	342081		
110	33.6	19.1	57.5	
77	30.6	25.0	37.4	





#37

Ethyl Acetate

Concen: 57.707 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

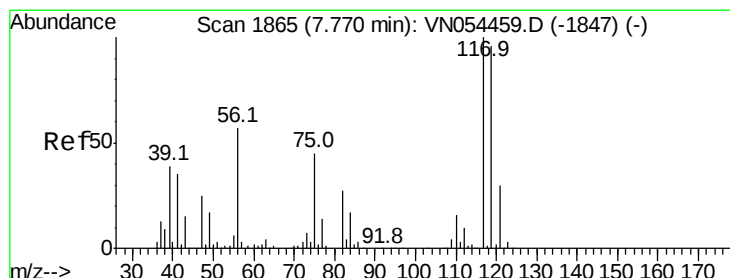
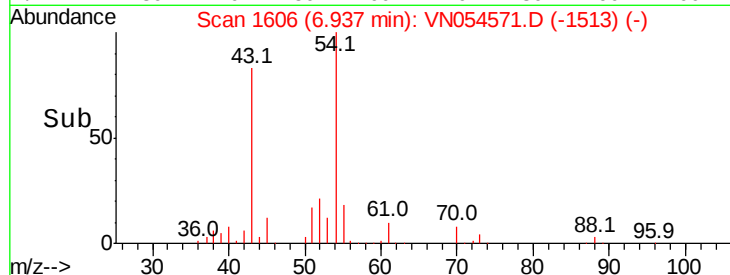
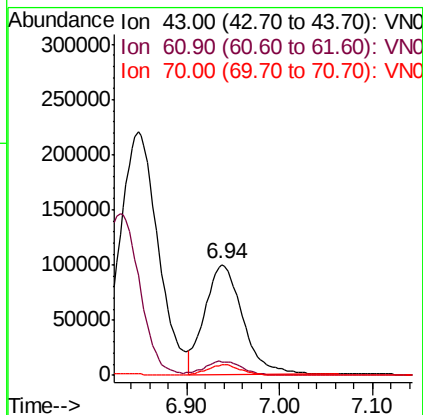
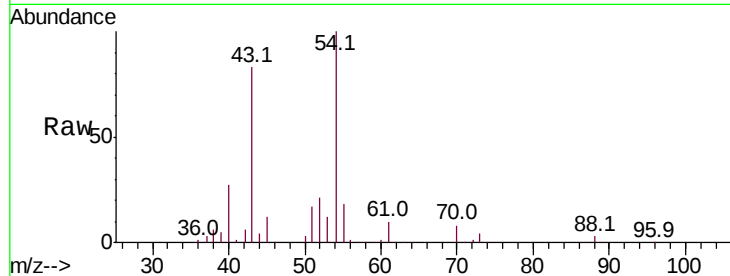
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	282483
Ion Ratio	Lower	Upper	
43	100		
61	12.3	11.8	17.6
70	8.4	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.668 ug/l

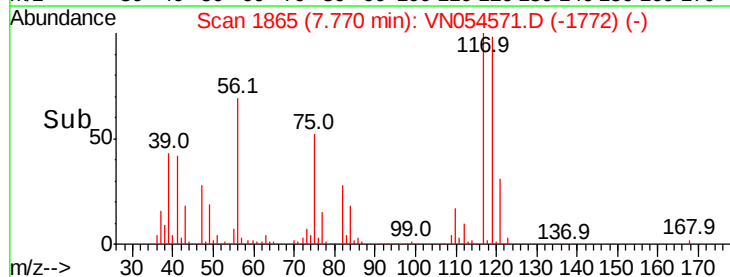
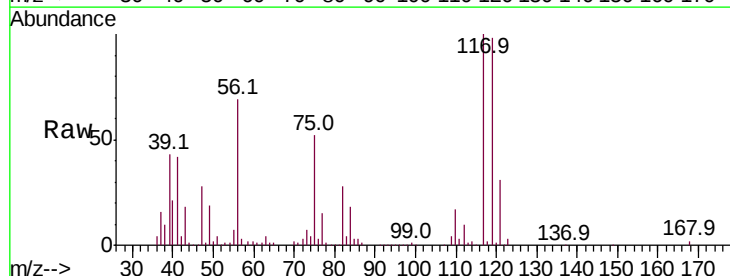
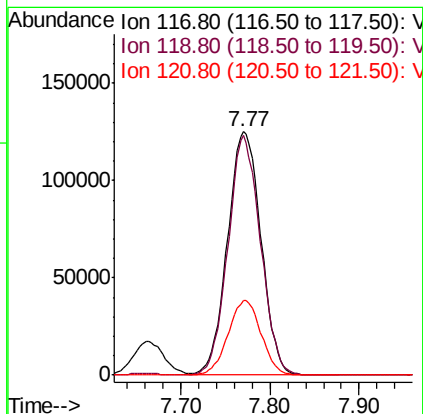
RT: 7.77 min Scan# 1865

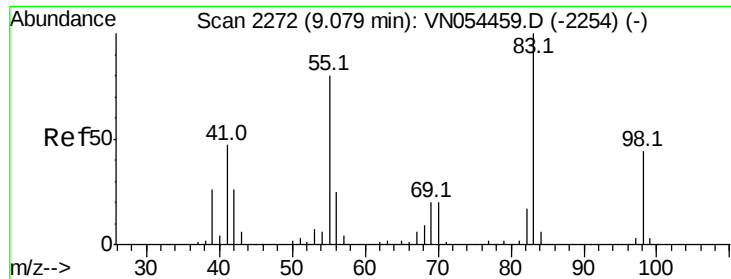
Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Tgt Ion:	117	Resp:	325506
Ion Ratio	Lower	Upper	
117	100		
119	98.3	76.3	114.5
121	30.7	24.6	36.8





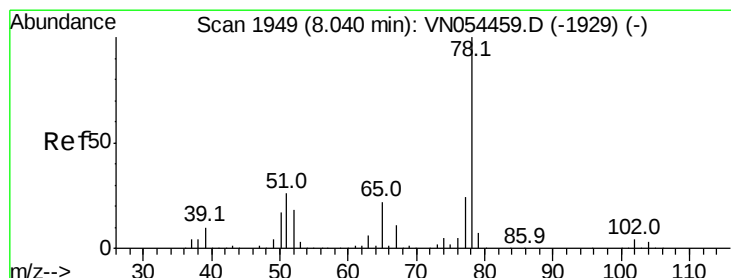
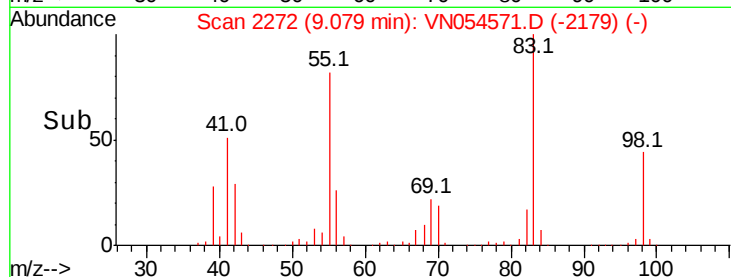
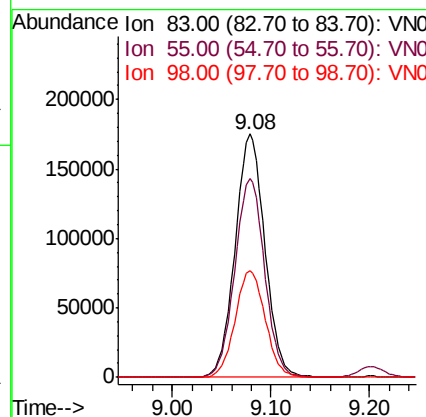
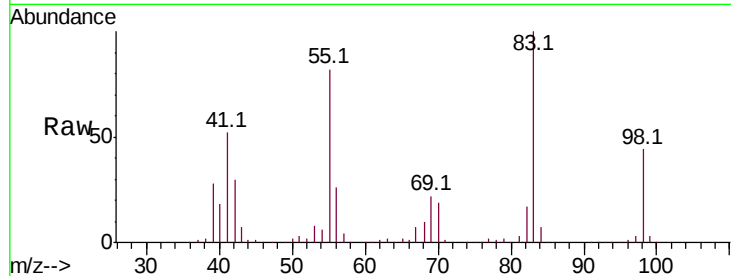
#39
Methvlcvclohexane
Concen: 46.678 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	367490
Ion Ratio	100	Lower	Upper
83	100		
55	81.7	56.6	84.8
98	43.9	38.4	57.6

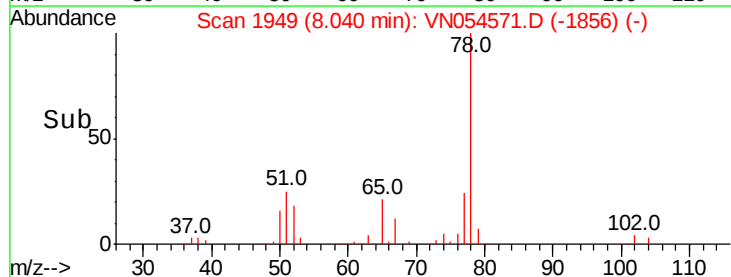
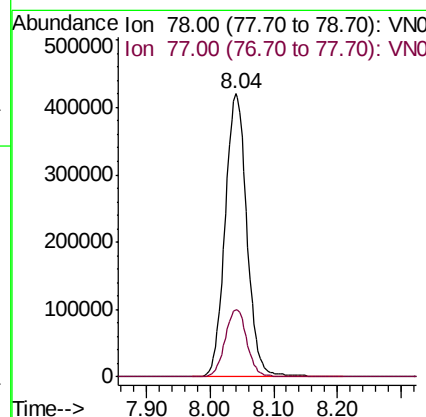
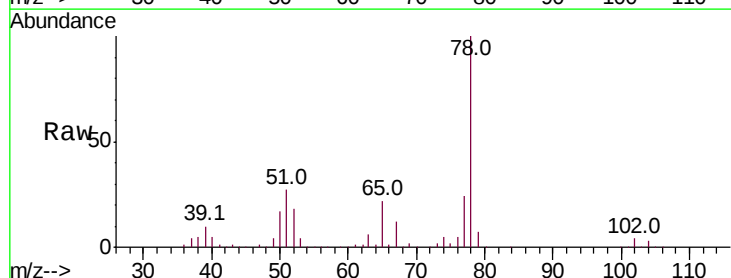
Manual Integrations
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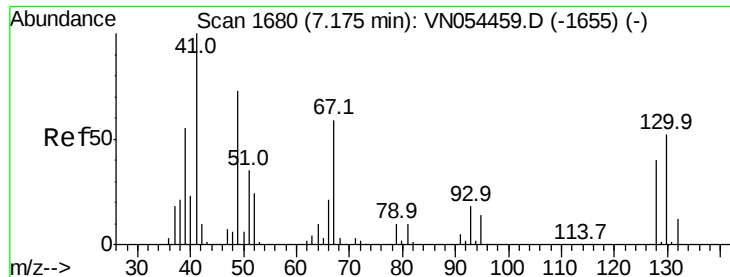
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#40
Benzene
Concen: 50.812 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	78	Resp	1000034
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.1	28.7





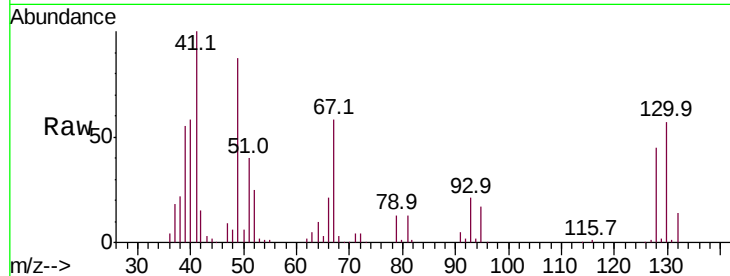
#41
Methacrylonitrile
Concen: 52.978 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

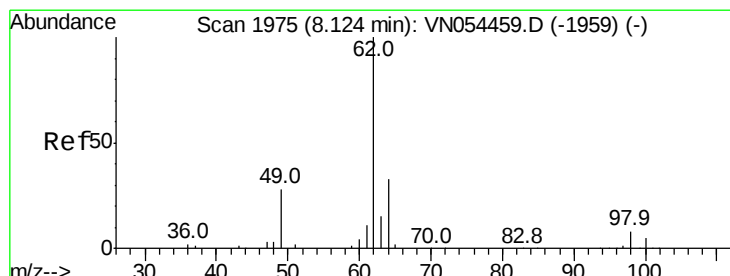
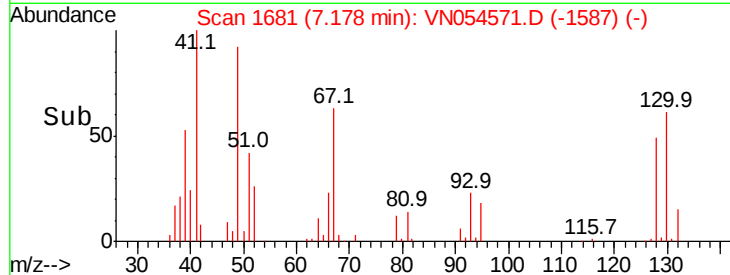
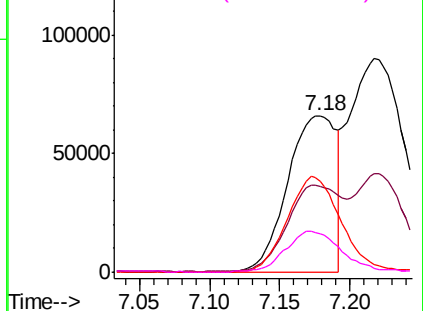
Tot Ion	Ratio	Lower	Upper
41	100		
39	63.5	46.8	70.2
67	68.2	67.0	100.4
52	30.9	26.5	39.7

Manual Integrations
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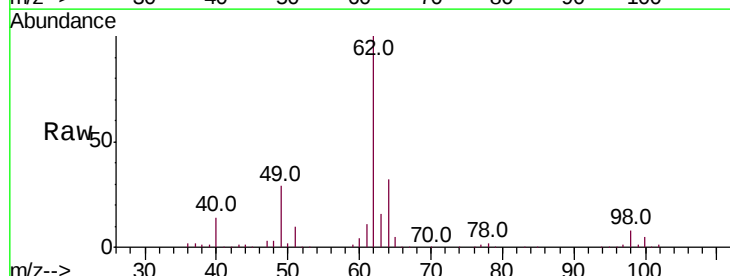


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

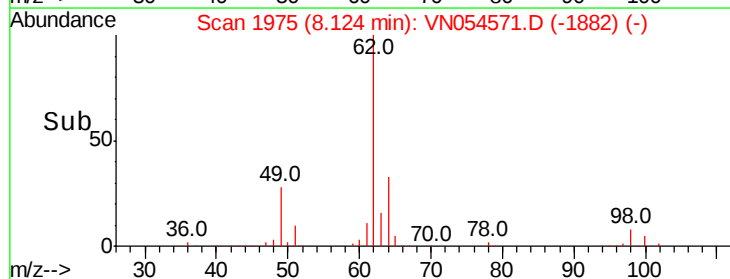
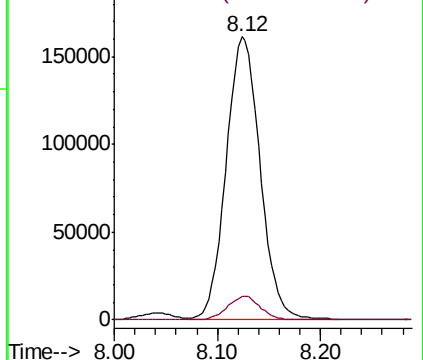


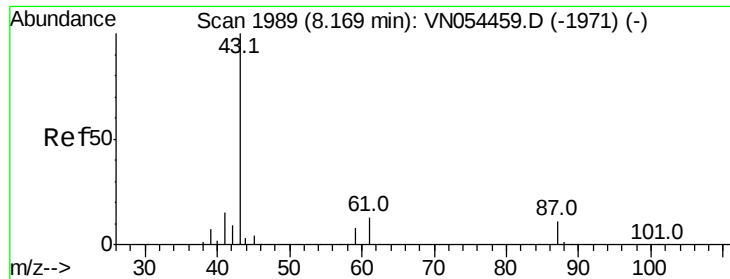
#42
1,2-Dichloroethane
Concen: 51.467 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 57.222 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

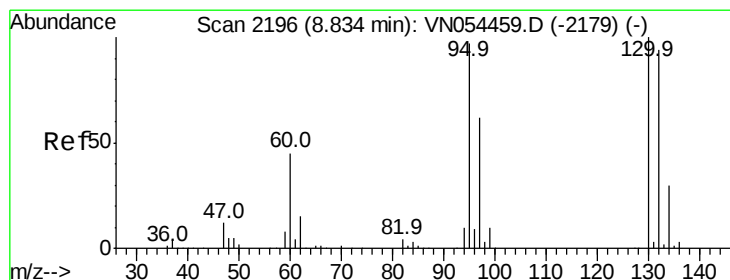
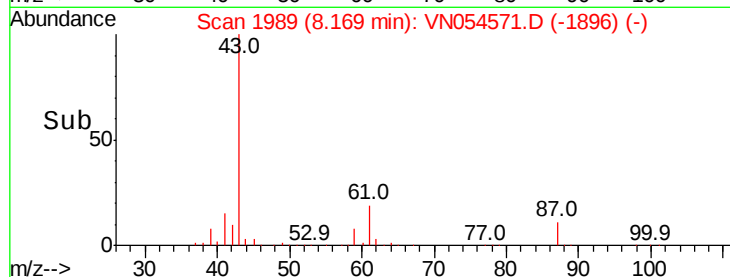
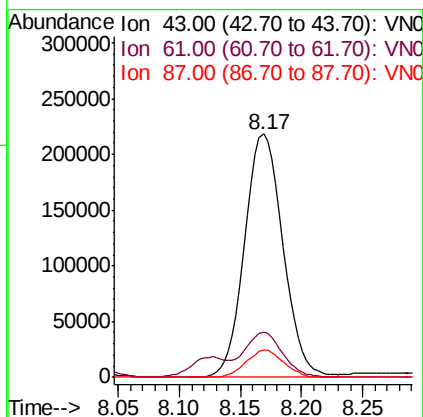
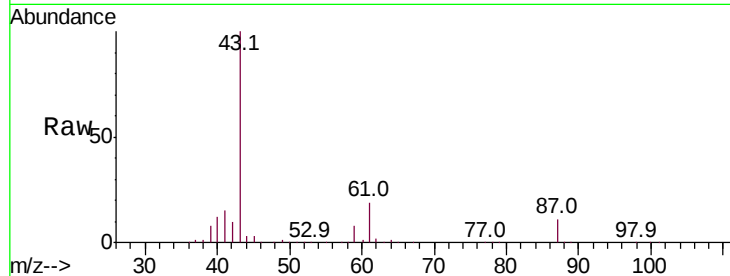
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	473064
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.8	23.8
87	11.2	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 48.306 ug/l

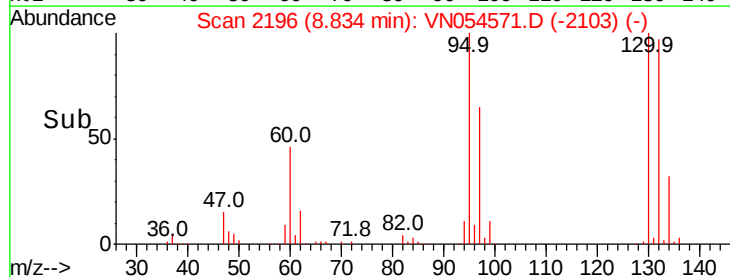
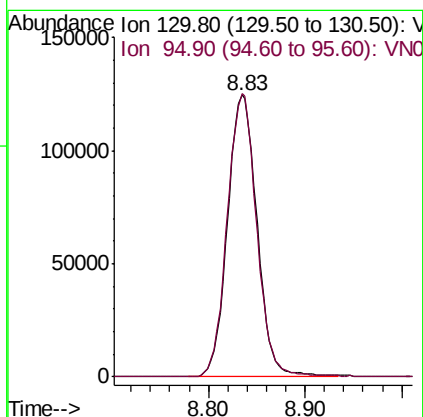
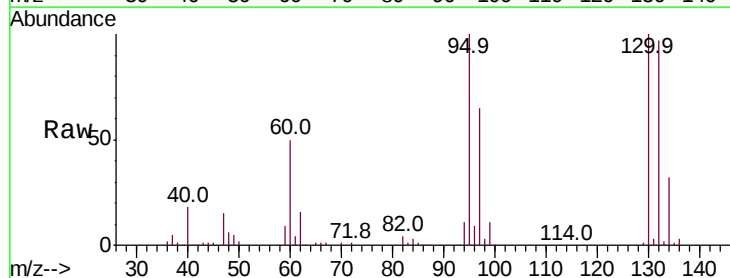
RT: 8.83 min Scan# 2196

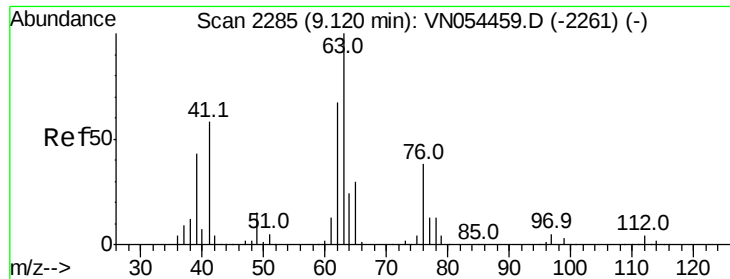
Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Tgt Ion:	130	Resp:	264316
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	185.2





#45

1,2-Dichloropropane

Concen: 53.837 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 284515

Ion Ratio Lower Upper

63 100

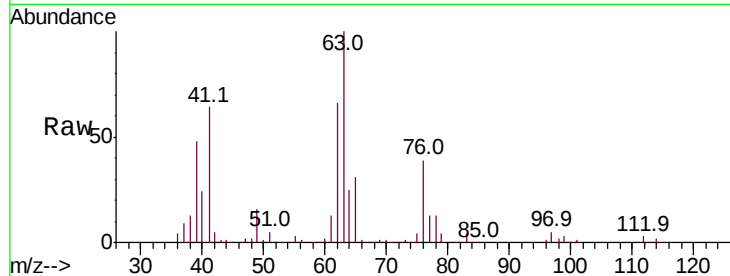
65 30.6 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

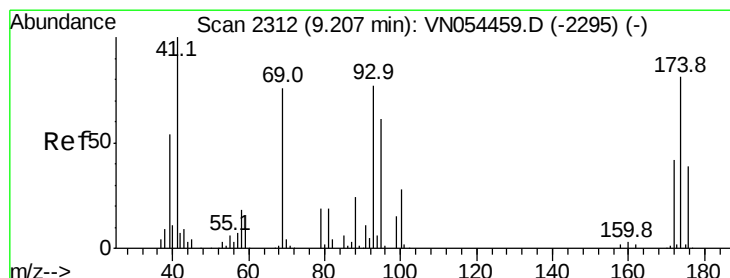
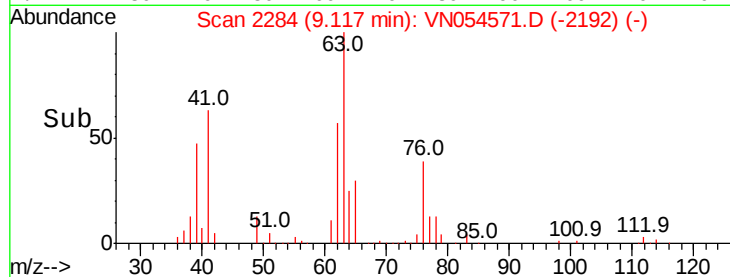
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 53.378 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

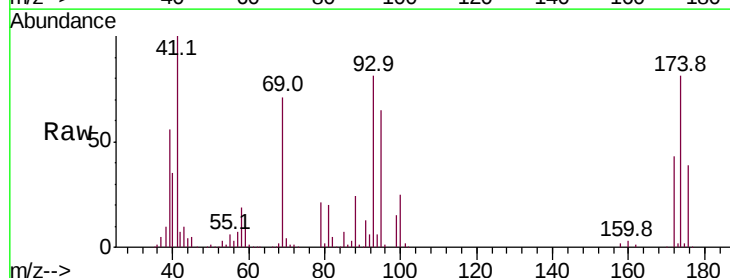
Tgt Ion: 93 Resp: 168290

Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 101.6 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

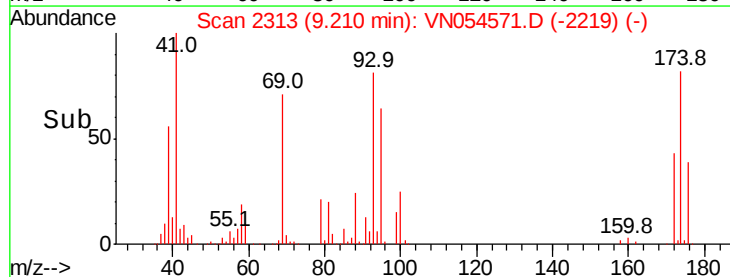
40000

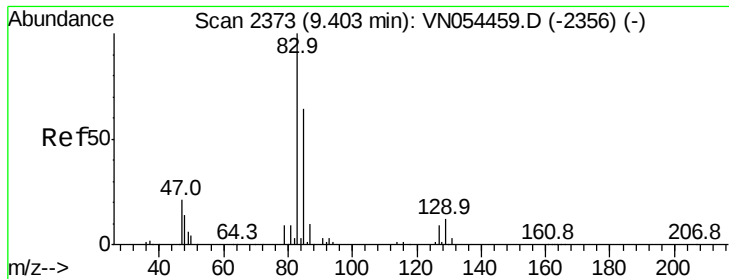
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 52.703 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

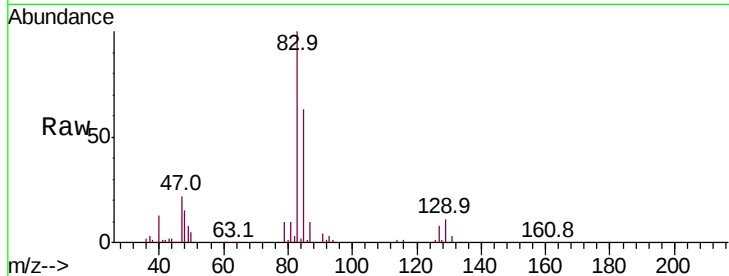
ClientSampleId :

VSTDCCC050

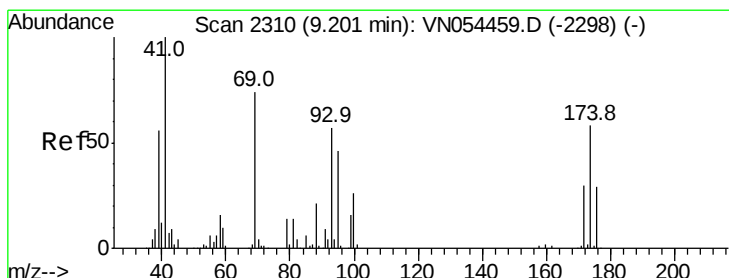
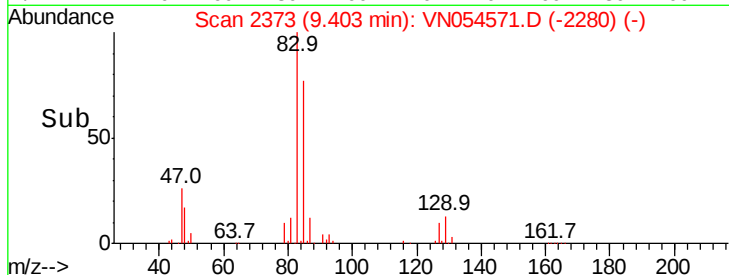
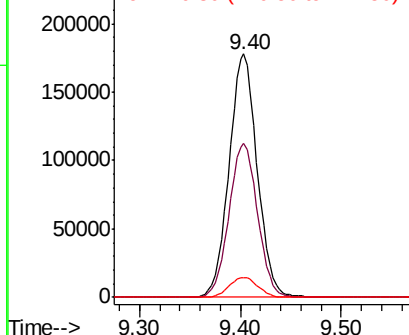
Tot Ion:	83	Resp:	344842
Ion Ratio	Lower	Upper	
83	100		
85	63.1	52.8	79.2
127	8.3	7.4	11.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 55.659 ug/l

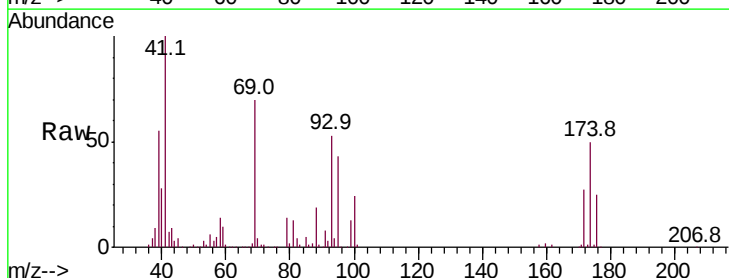
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

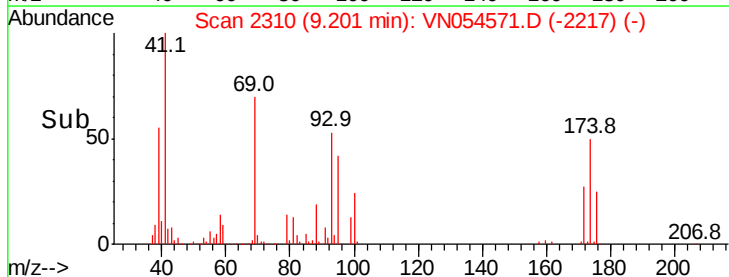
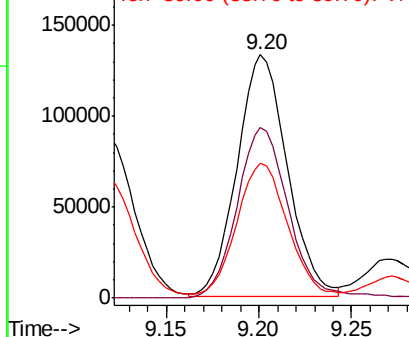
Lab File: VN054571.D

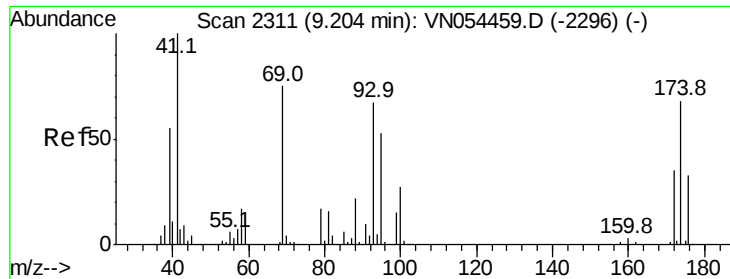
Acq: 22 Mar 2019 21:45

Tgt Ion:	41	Resp:	249748
Ion Ratio	Lower	Upper	
41	100		
69	73.0	72.6	108.8
39	56.5	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





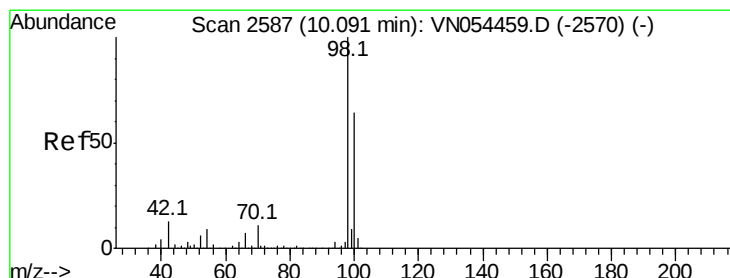
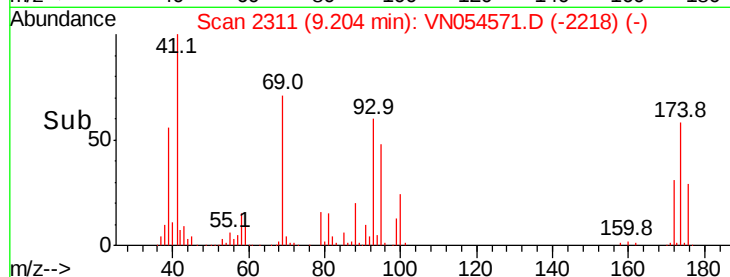
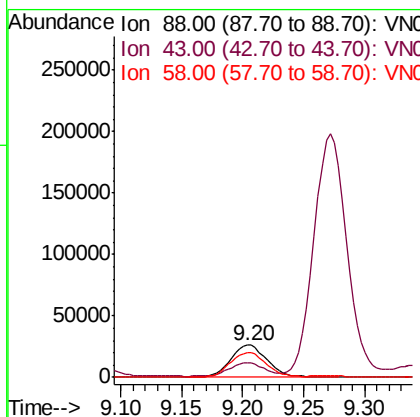
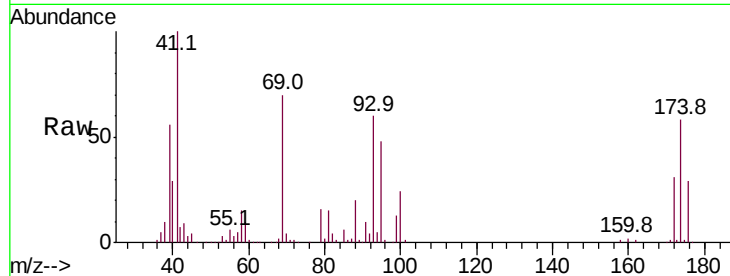
#49
1,4-Dioxane
Concen: 1100.248 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 88 Resp: 55192
Ion Ratio Lower Upper
88 100
43 40.7 24.1 36.1#
58 76.6 50.8 76.2#

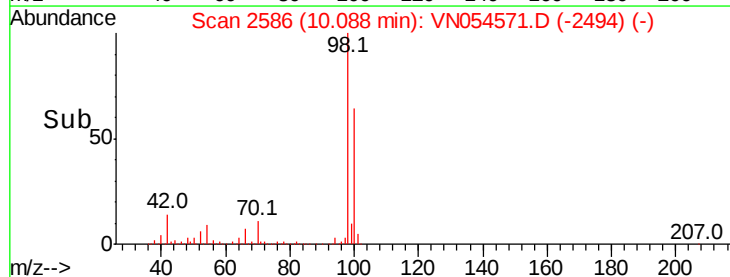
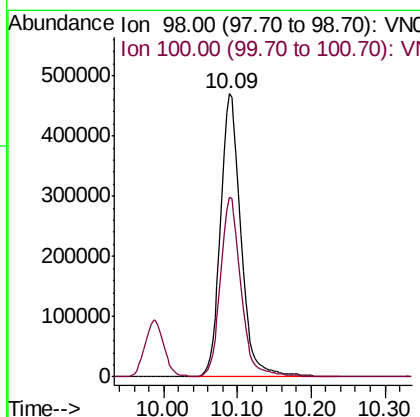
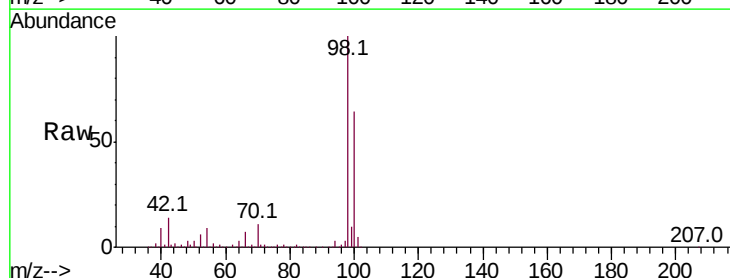
Manual Integrations
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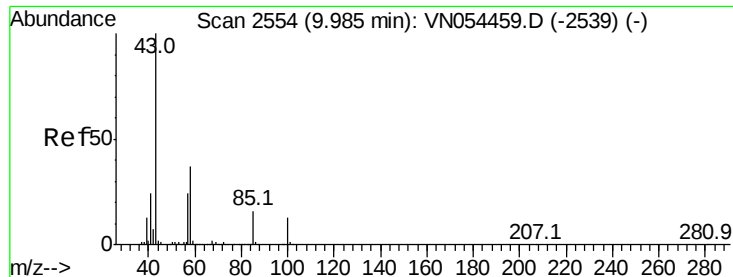
MMDadoda
3/25/2019 12:53:51 PM



#50
Toluene-d8
Concen: 50.922 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion: 98 Resp: 907848
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 300.372 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1376213

Ion Ratio Lower Upper

43 100

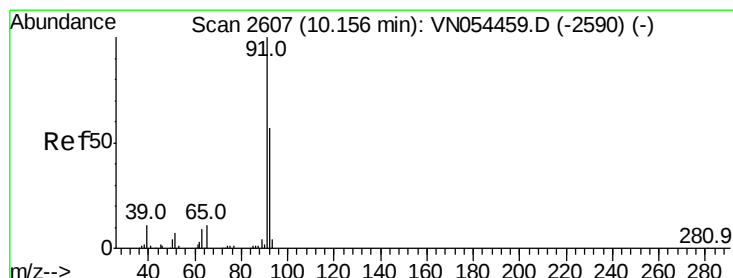
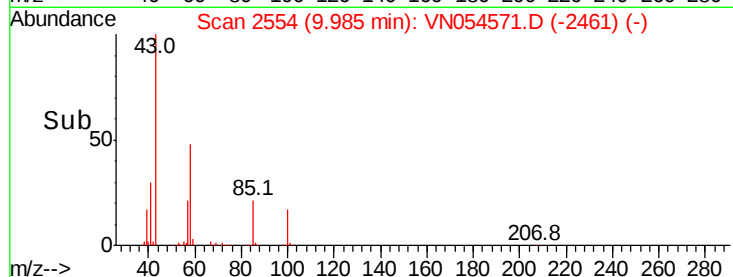
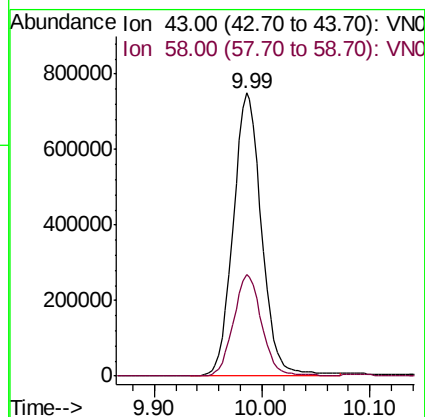
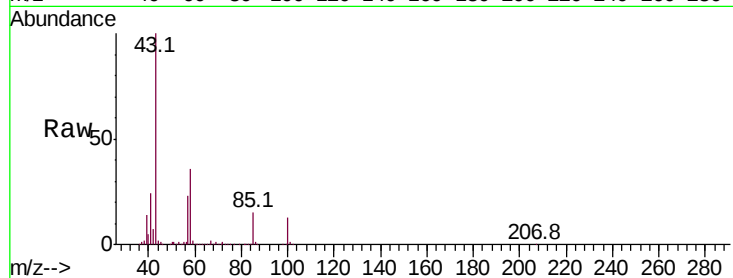
58 35.7 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 50.269 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054571.D

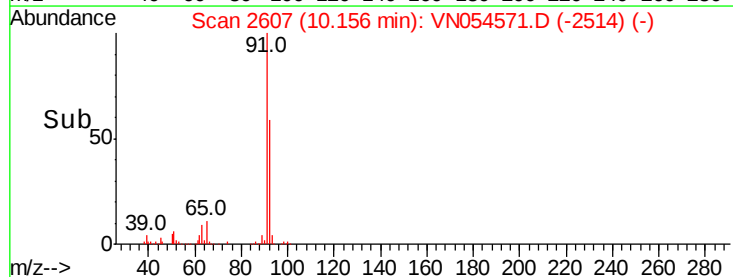
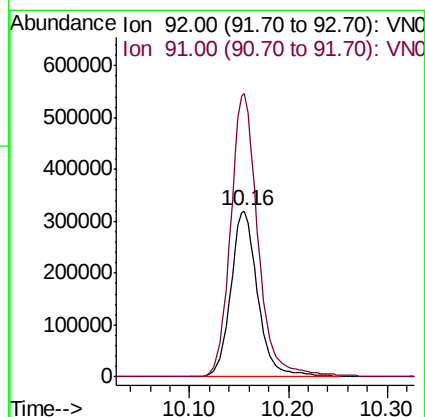
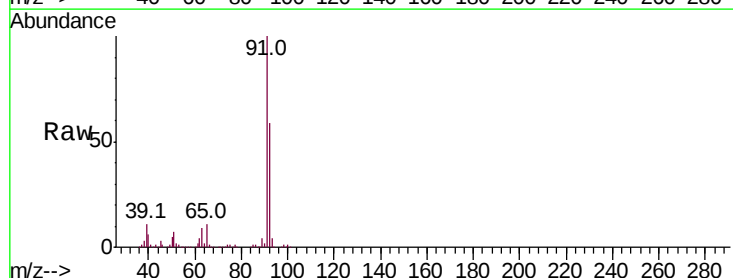
Acq: 22 Mar 2019 21:45

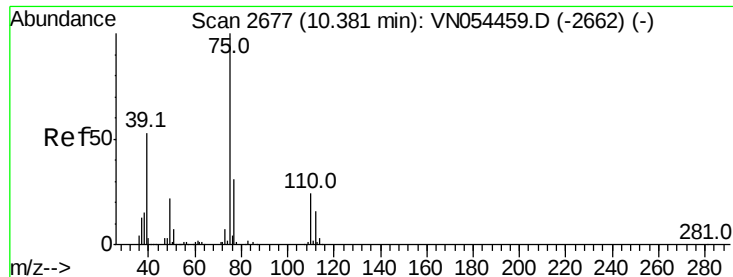
Tgt Ion: 92 Resp: 608491

Ion Ratio Lower Upper

92 100

91 174.3 140.7 211.1





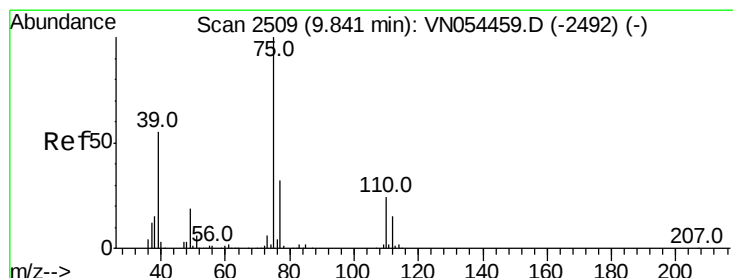
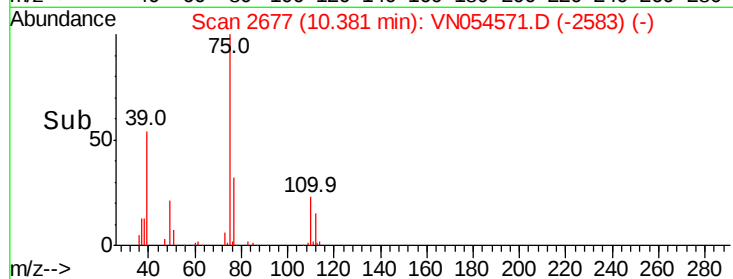
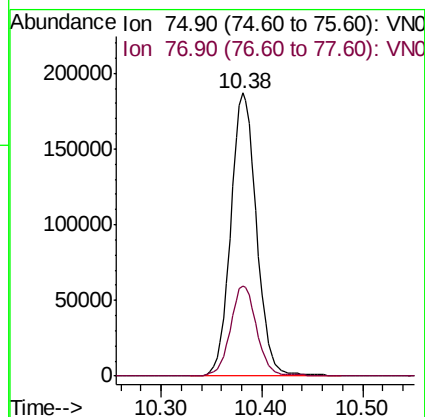
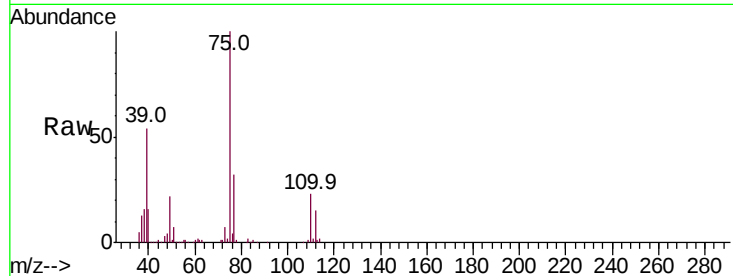
#53
t-1,3-Dichloropropene
Concen: 48.291 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.8

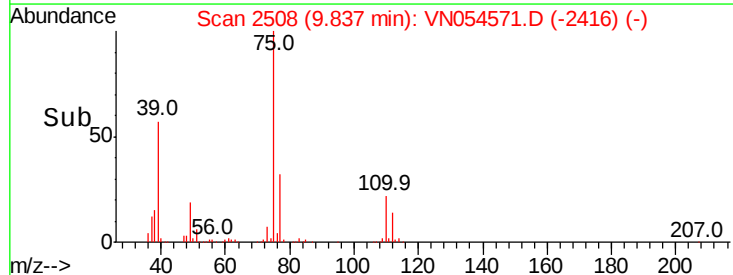
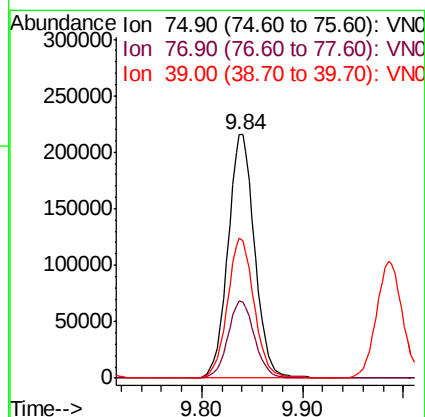
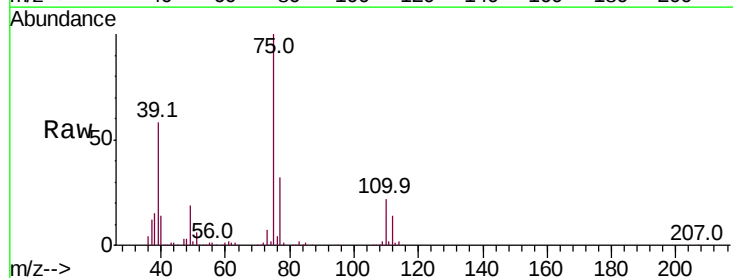
Manual Integrations
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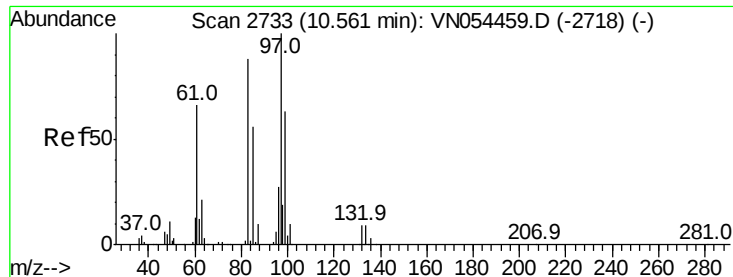
MMDadoda
3/25/2019 12:53:51 PM



#54
cis-1,3-Dichloropropene
Concen: 53.080 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	57.4	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 52.983 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

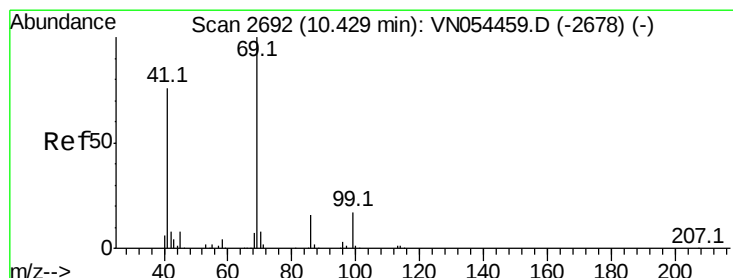
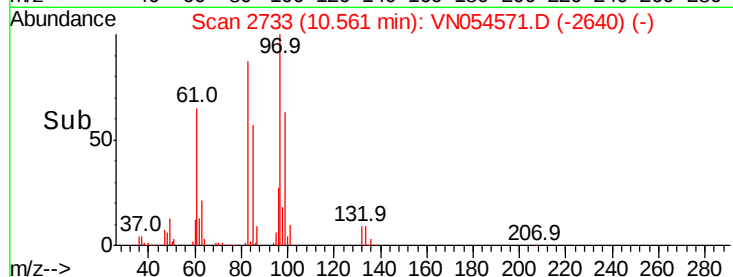
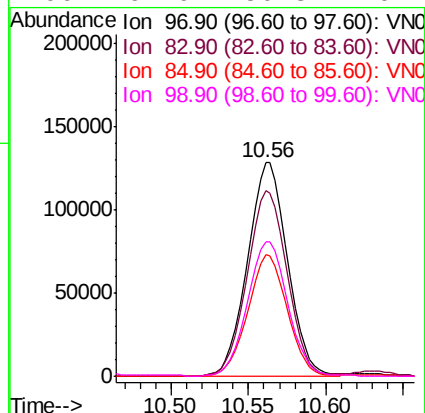
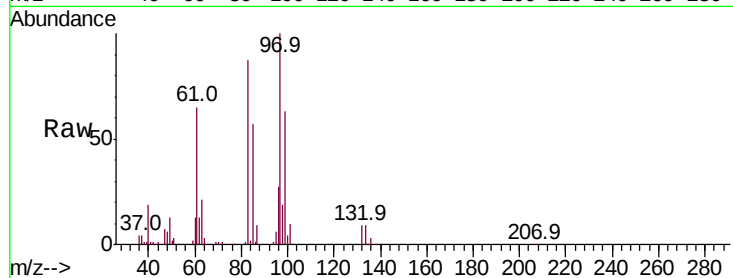
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.1	66.6	100.0
85	57.1	44.4	66.6
99	62.9	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.259 ug/l

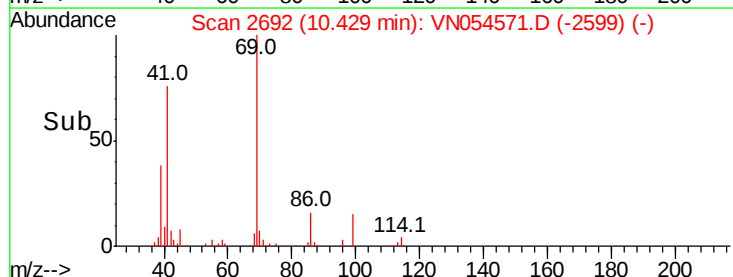
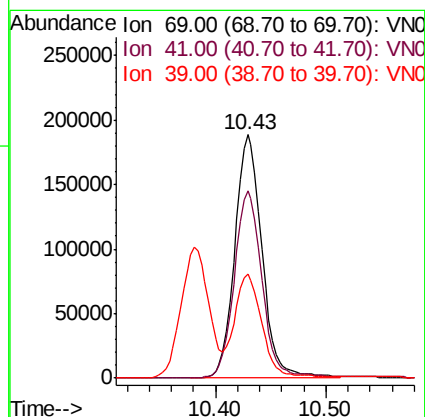
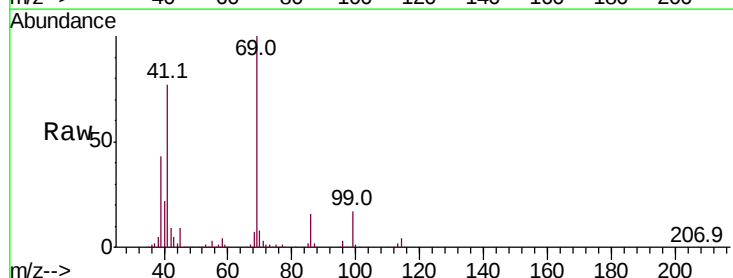
RT: 10.43 min Scan# 2692

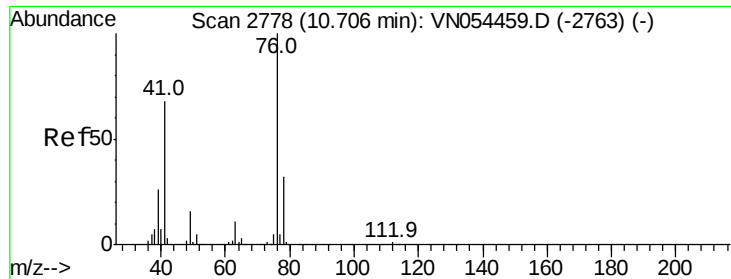
Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.1	49.4	74.2#
39	42.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.471 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 404441

Ion Ratio Lower Upper

76 100

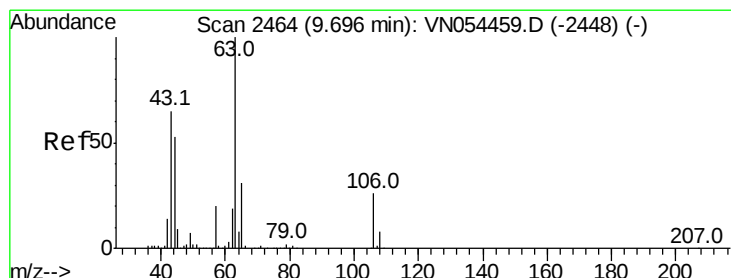
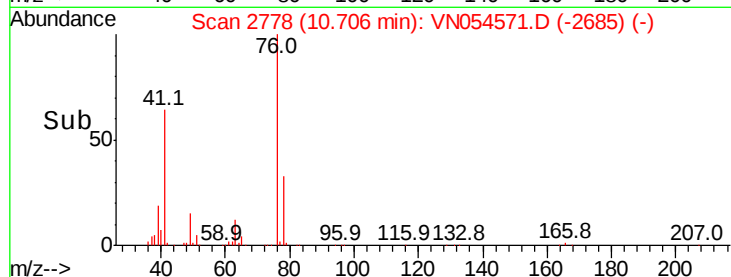
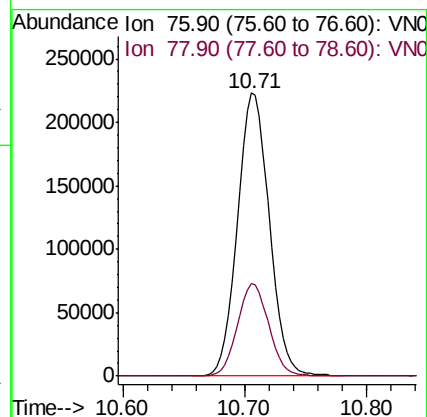
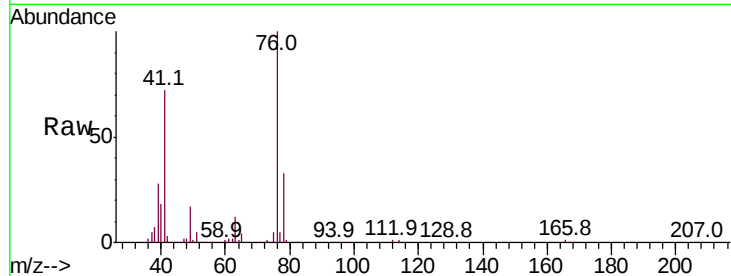
78 32.2 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 271.371 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054571.D

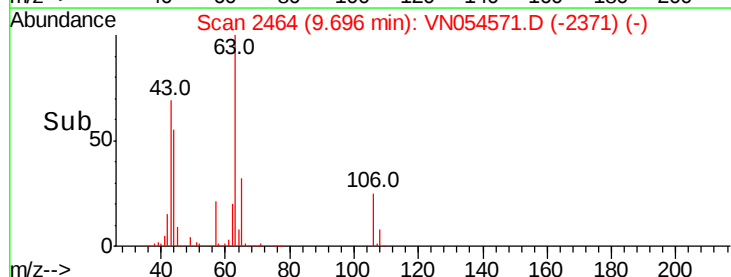
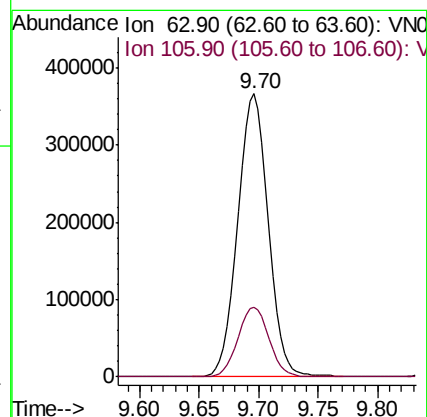
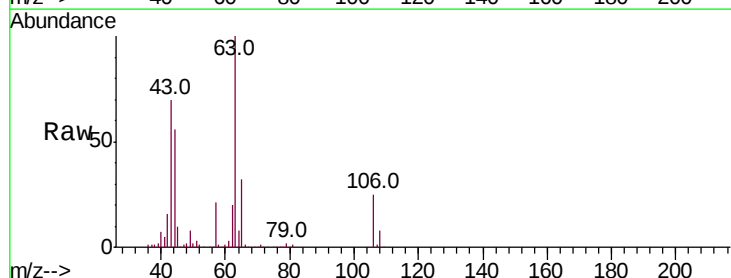
Acq: 22 Mar 2019 21:45

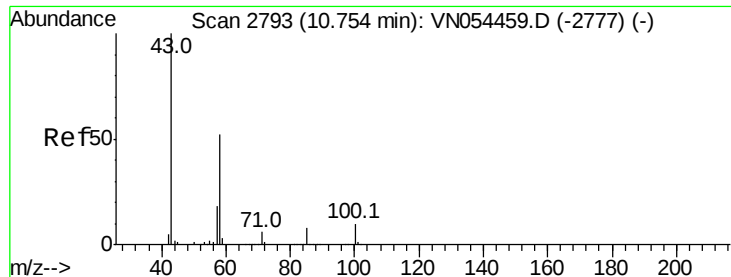
Tgt Ion: 63 Resp: 652612

Ion Ratio Lower Upper

63 100

106 25.0 24.4 36.6





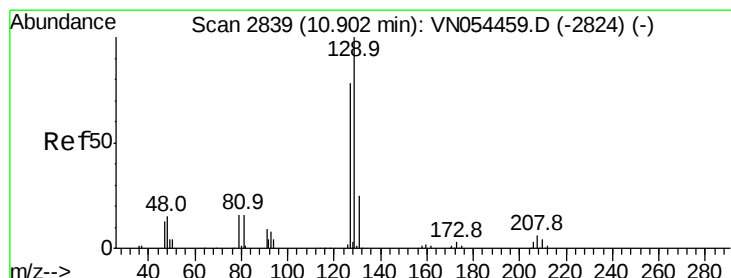
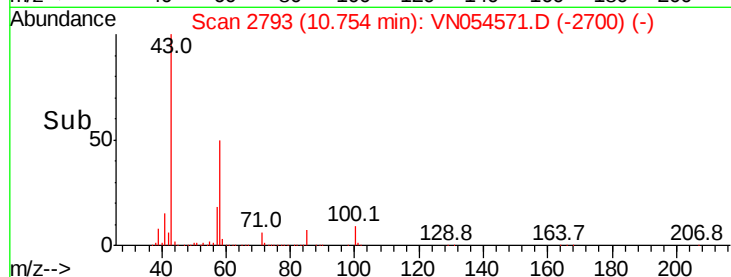
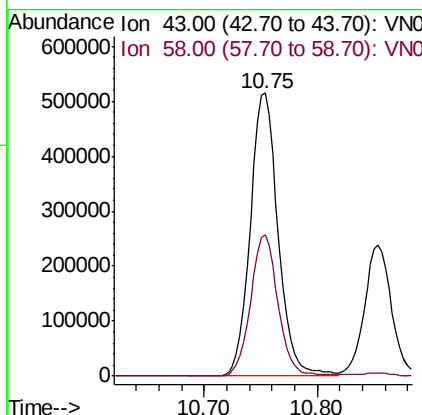
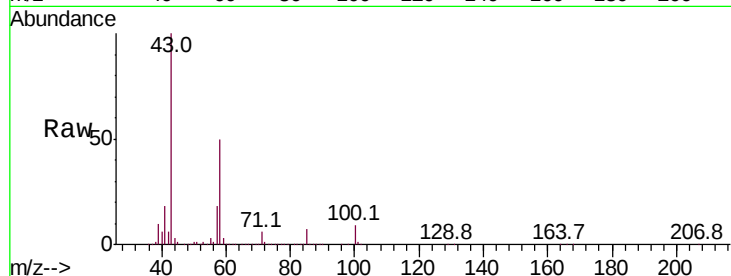
#59
2-Hexanone
Concen: 293.323 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 877830
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9

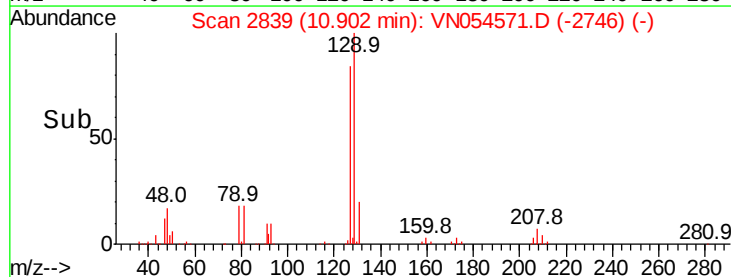
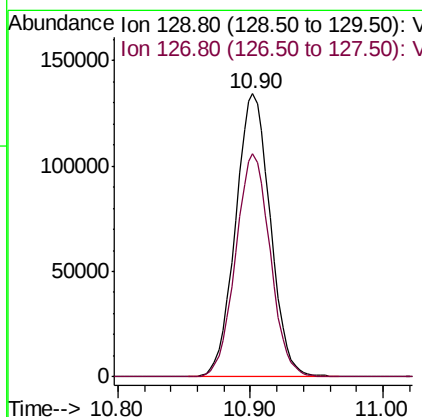
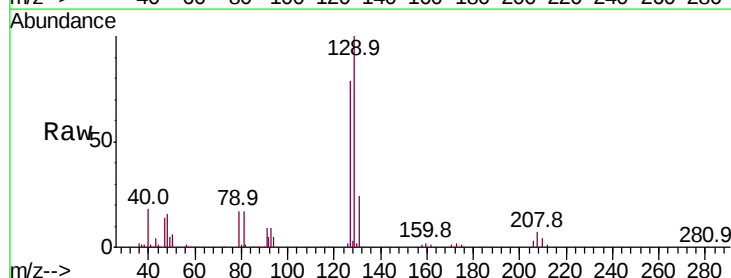
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APPROVED

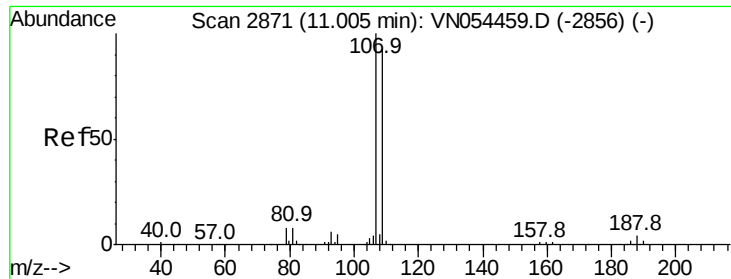
MMDadoda
3/25/2019 12:53:51 PM



#60
Dibromochloromethane
Concen: 52.689 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion: 129 Resp: 243957
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.743 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:107 Resp: 226884

Ion Ratio Lower Upper

107 100

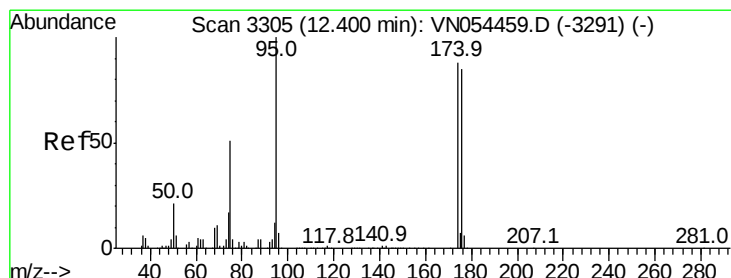
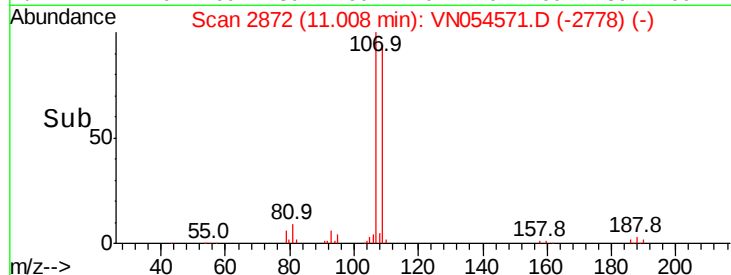
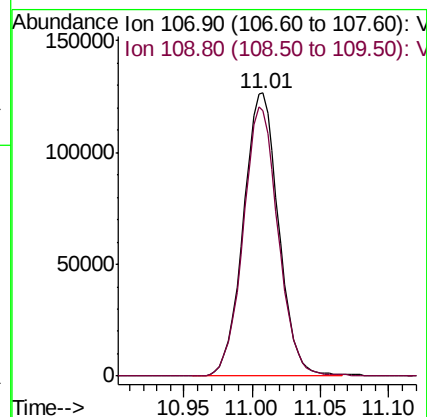
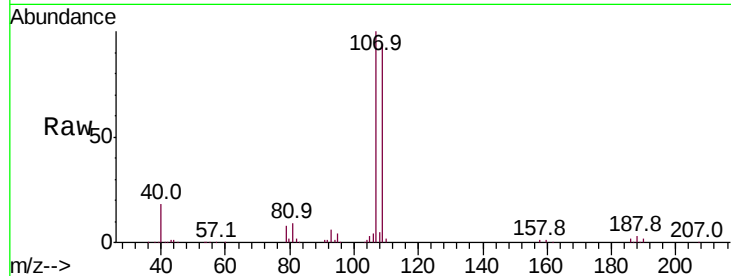
109 94.5 75.9 113.9

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 52.065 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

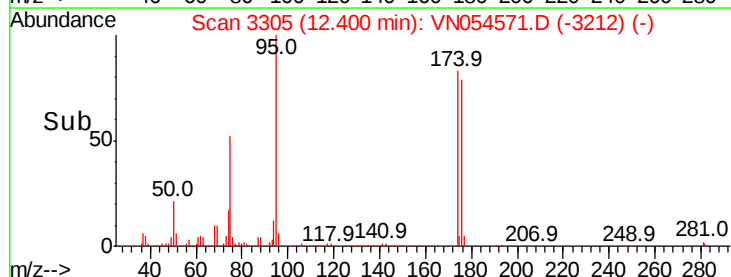
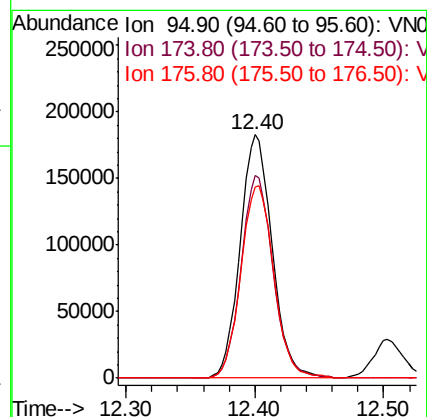
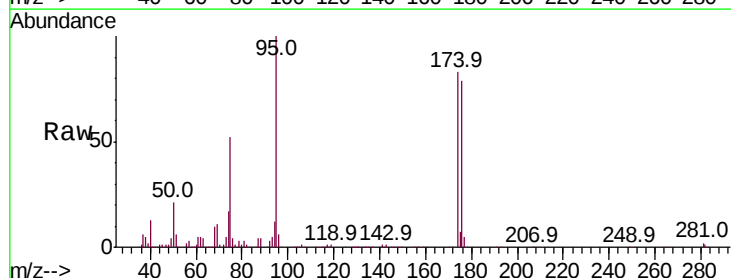
Tgt Ion: 95 Resp: 315860

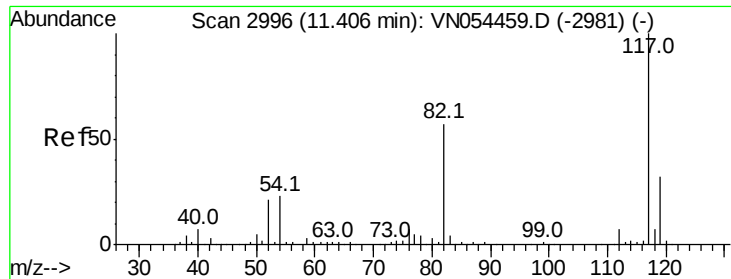
Ion Ratio Lower Upper

95 100

174 83.2 0.0 191.0

176 81.4 0.0 187.4





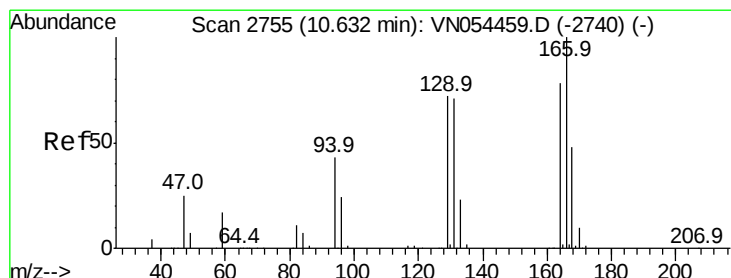
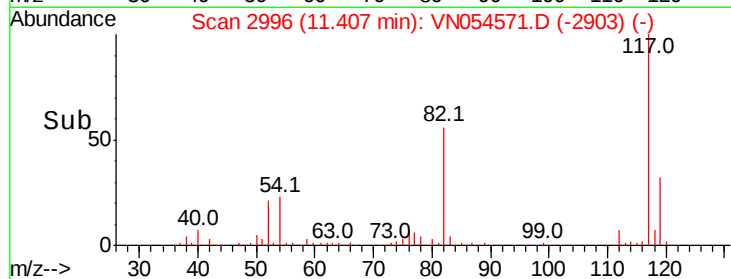
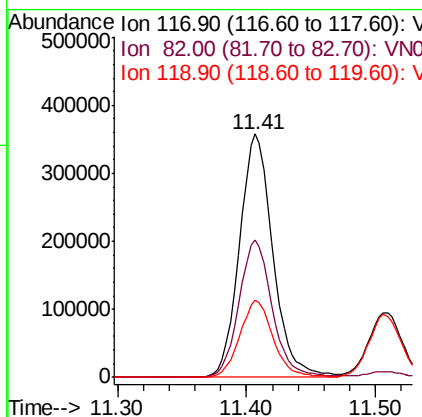
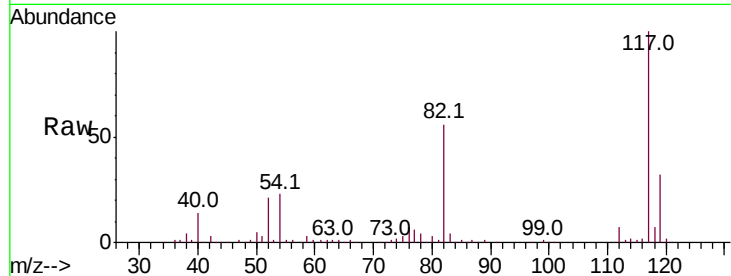
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.0	60.0
119	31.8	25.8	38.6

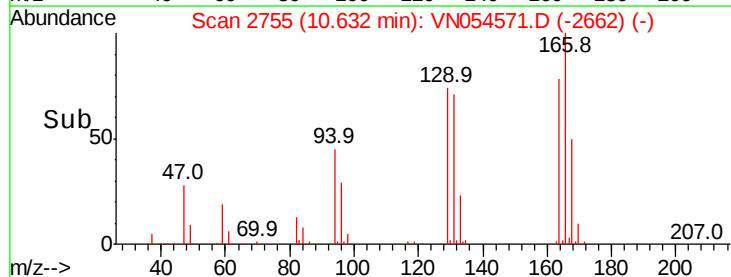
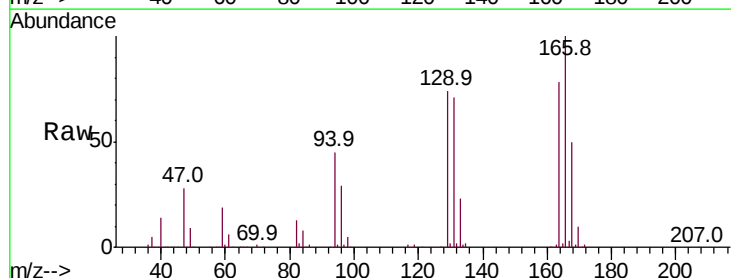
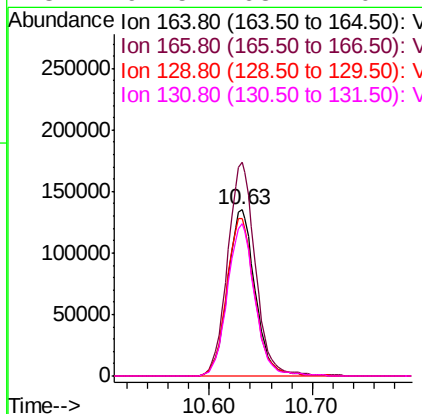
Manual Integrations
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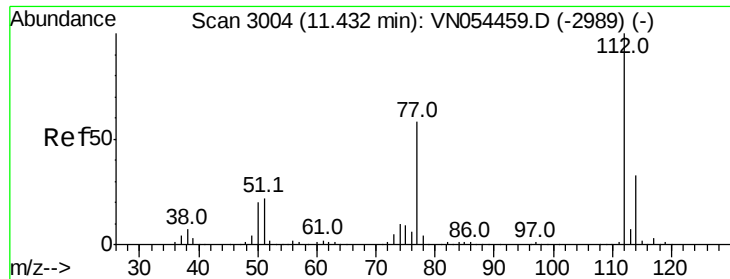
MMDadoda
3/25/2019 12:53:51 PM



#64
Tetrachloroethene
Concen: 47.067 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.9	155.9
129	94.9	71.1	106.7
131	91.5	68.2	102.4





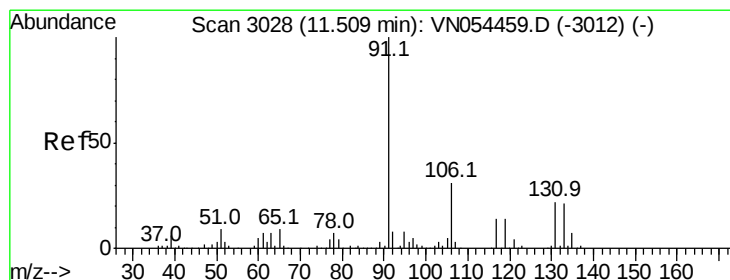
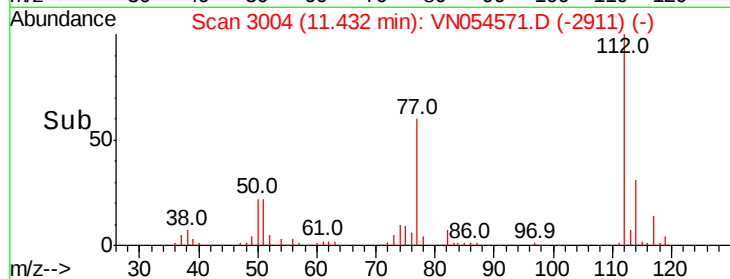
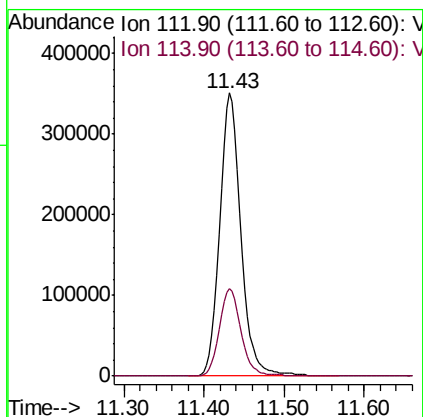
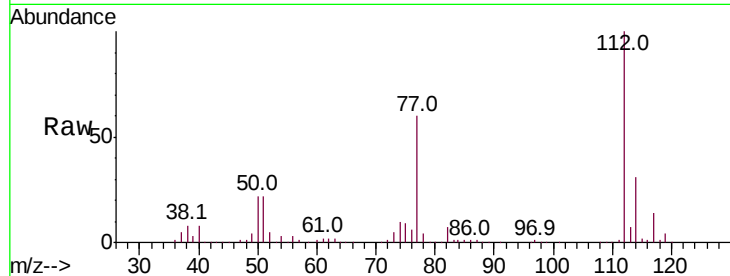
#65
Chlorobenzene
Concen: 49.033 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 643739
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9

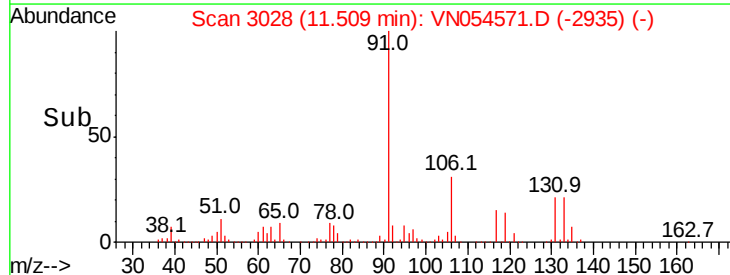
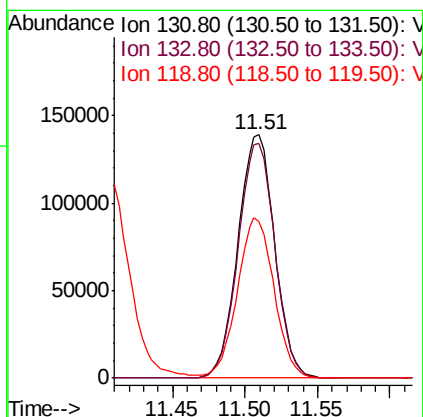
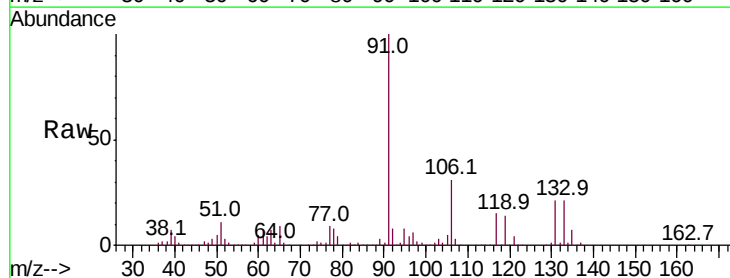
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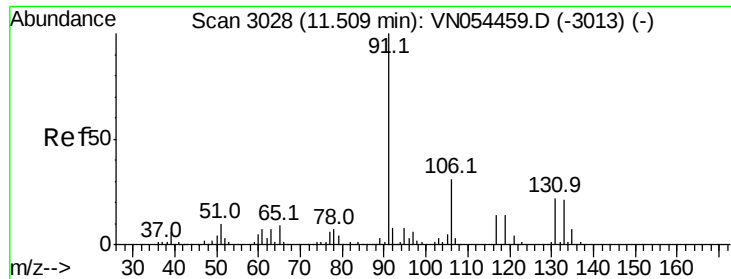
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.000 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion:131 Resp: 245042
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 65.8 32.4 97.0





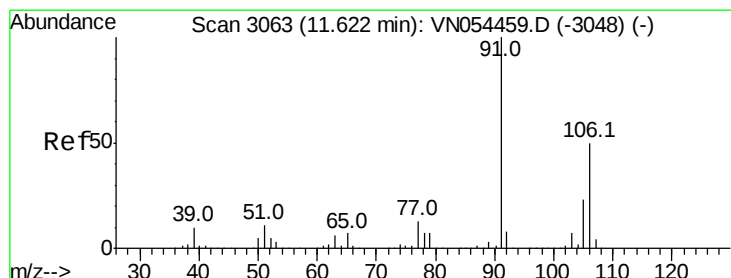
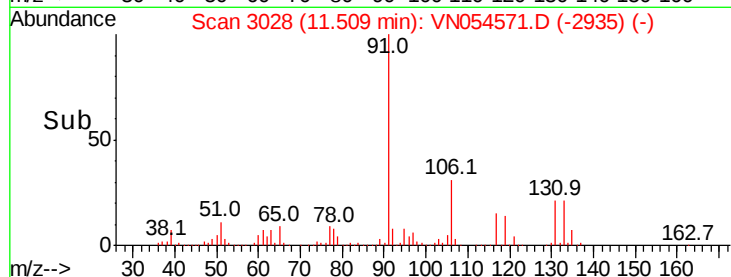
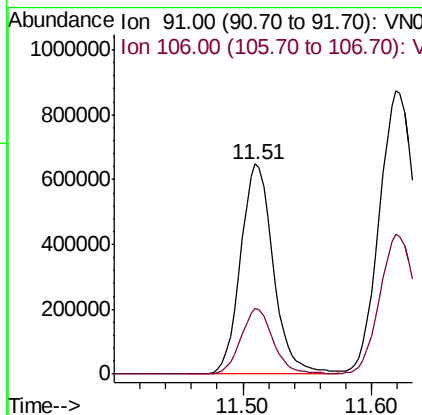
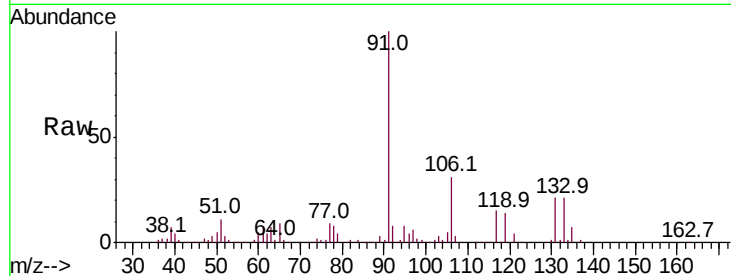
#67
Ethyl Benzene
Concen: 49.513 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1148270
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

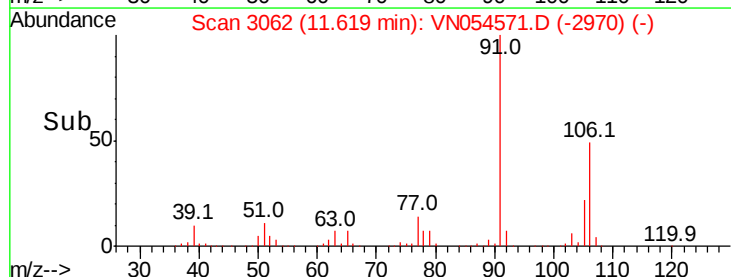
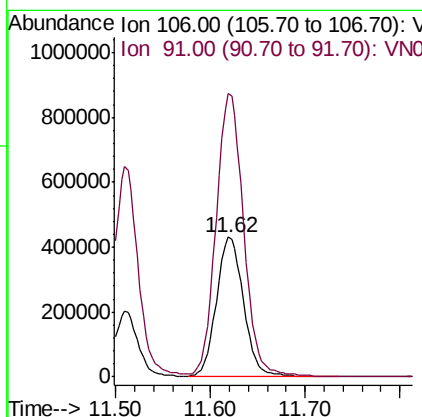
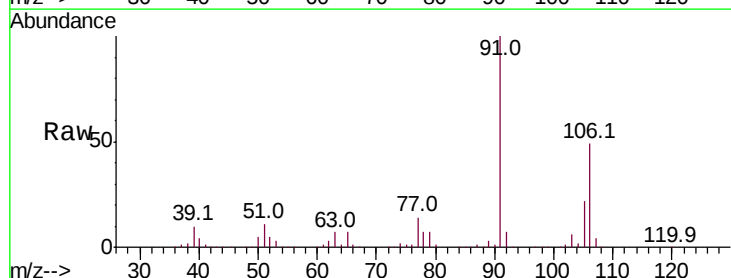
Manual Integrations
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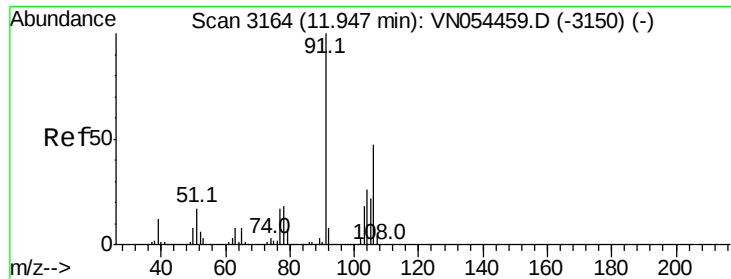
MMDadoda
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#68
m/p-Xylenes
Concen: 98.303 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion: 106 Resp: 863517
Ion Ratio Lower Upper
106 100
91 205.3 159.4 239.2





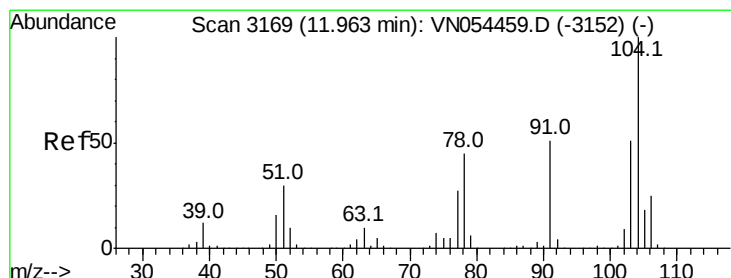
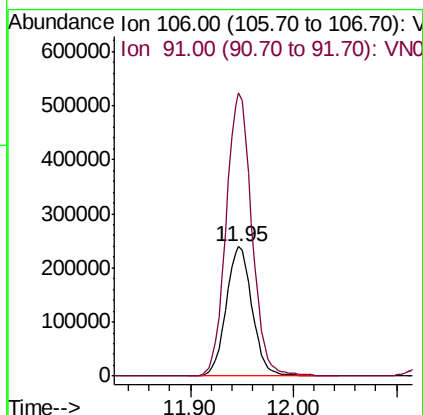
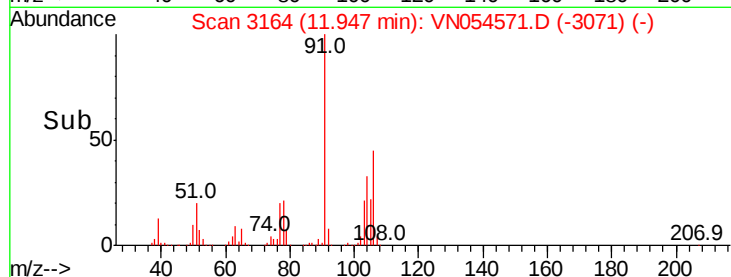
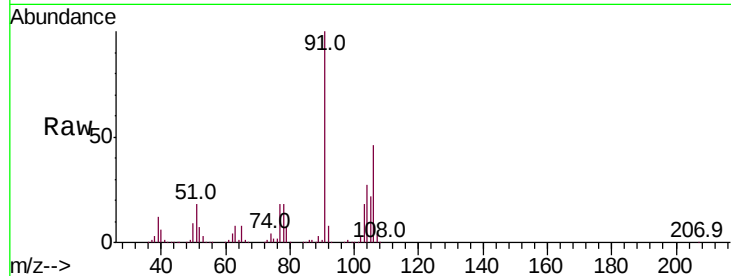
#69
o-Xylene
Concen: 48.931 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 419760
Ion Ratio Lower Upper
106 100
91 217.4 105.7 317.1

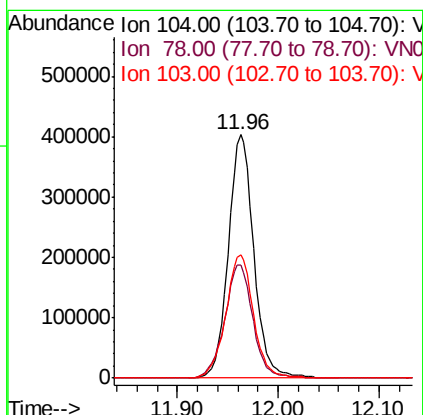
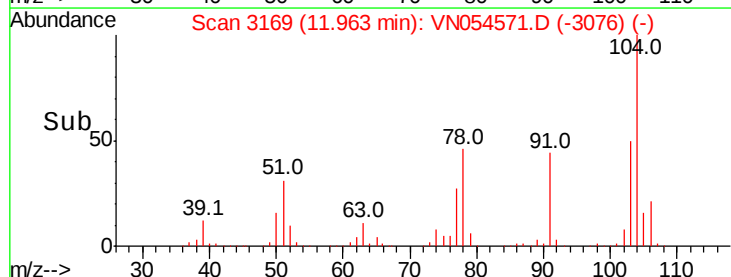
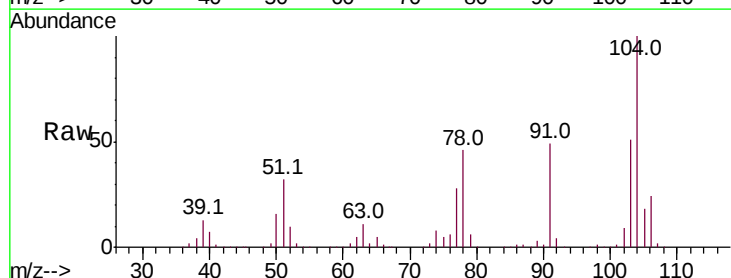
Manual Integrations
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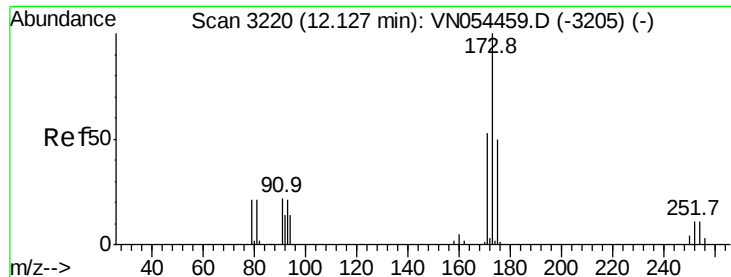
MMDadoda
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#70
Styrene
Concen: 51.010 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion:104 Resp: 710630
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.0 44.4 66.6





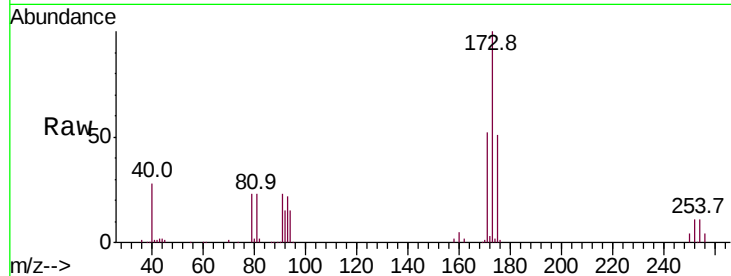
#71
Bromoform
Concen: 47.212 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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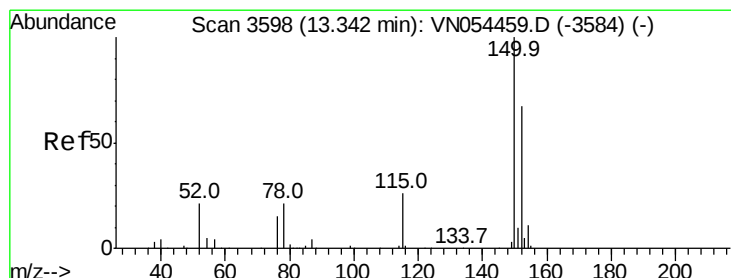
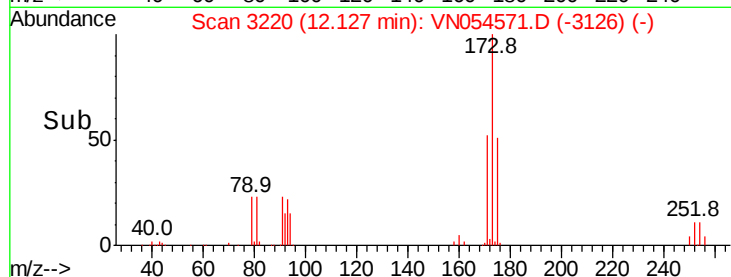
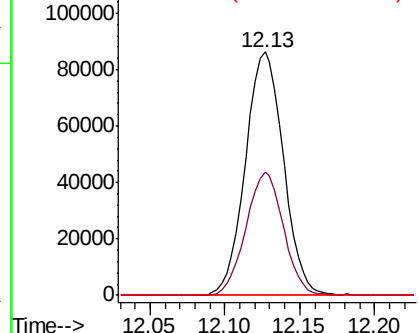


Abundance

Ion 172.70 (172.40 to 173.40): V

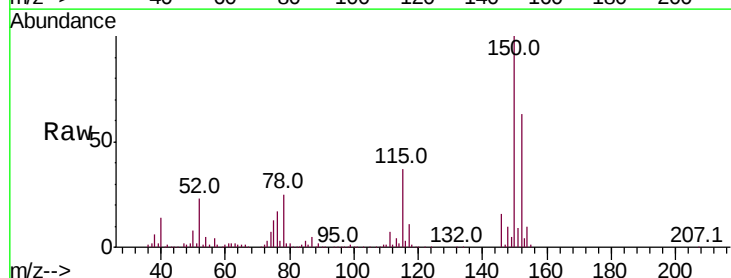
Ion 174.70 (174.40 to 175.40): V

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: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	27.2	81.6
150	172.6	0.0	349.2

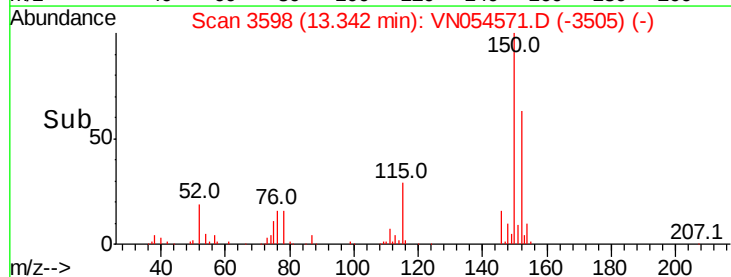
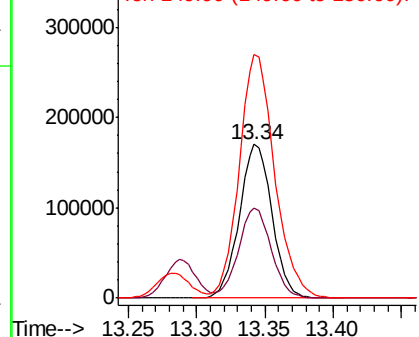


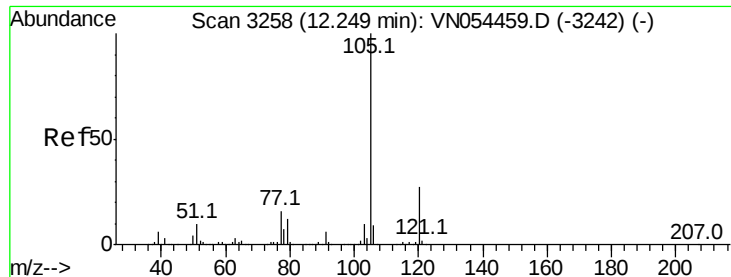
Abundance

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: 48.851 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1110148

Ion Ratio Lower Upper

105 100

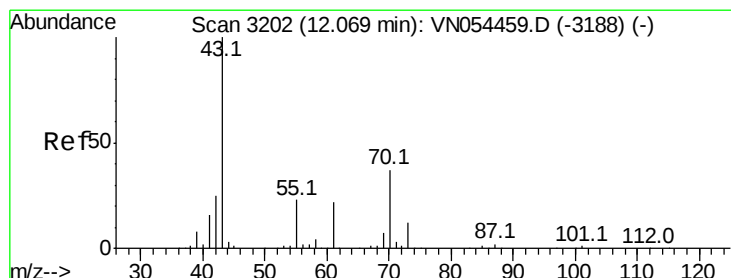
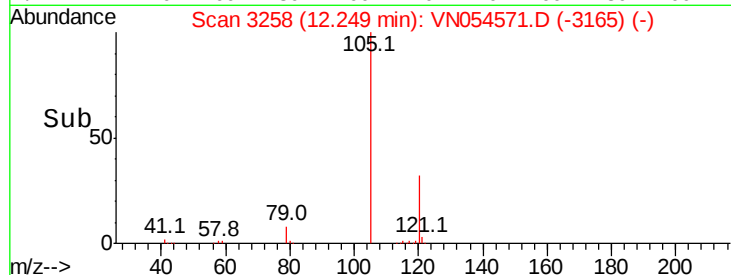
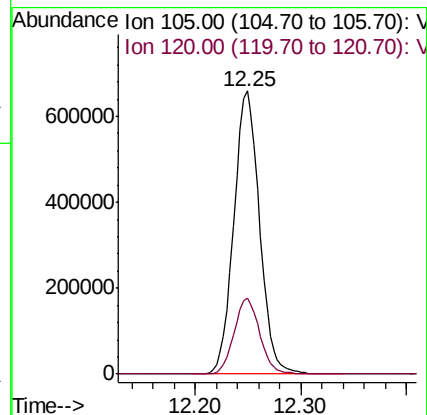
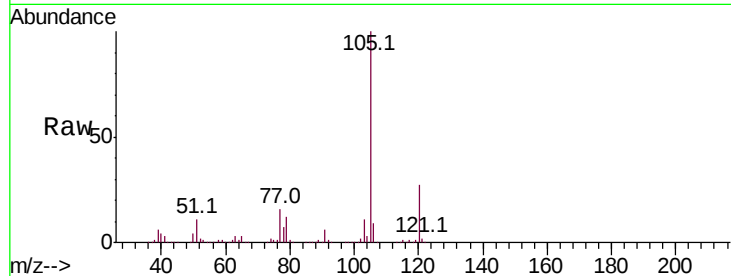
120 26.7 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 60.254 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Tgt Ion: 43 Resp: 393716

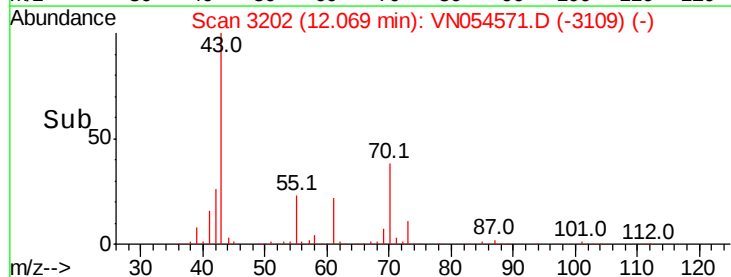
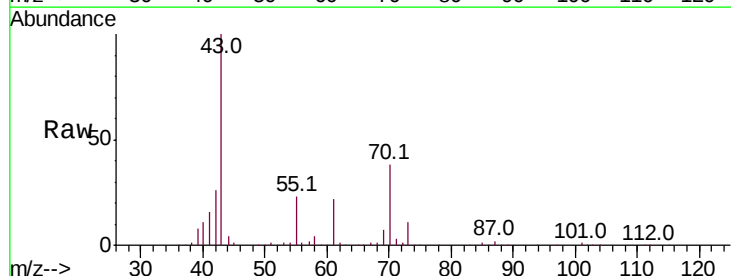
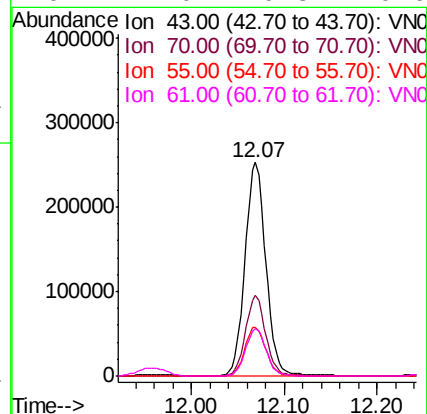
Ion Ratio Lower Upper

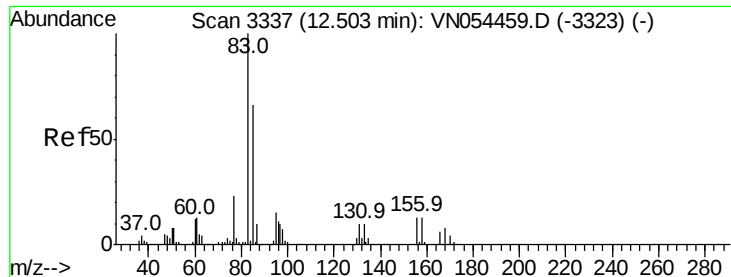
43 100

70 36.9 35.4 53.0

55 23.3 19.8 29.6

61 22.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.034 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

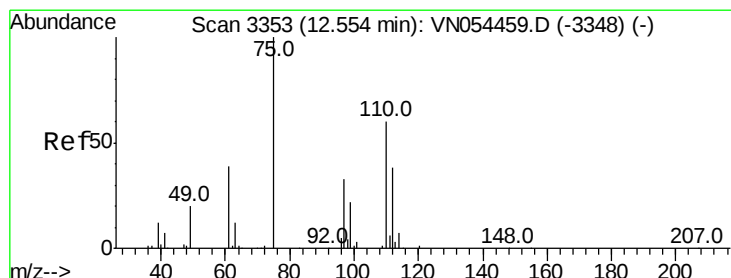
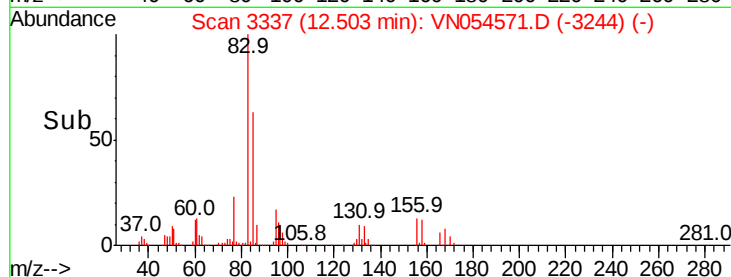
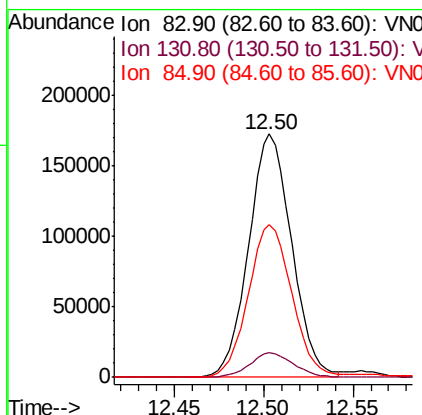
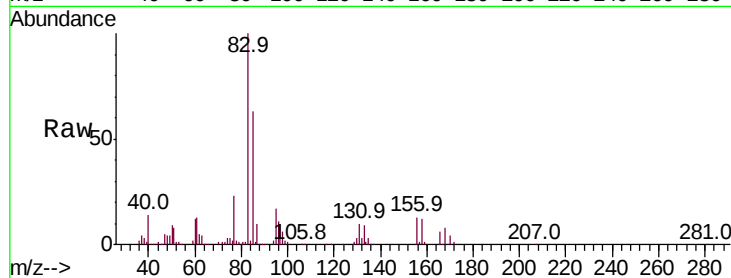
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	290681
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.4
85	63.8	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 54.926 ug/l m

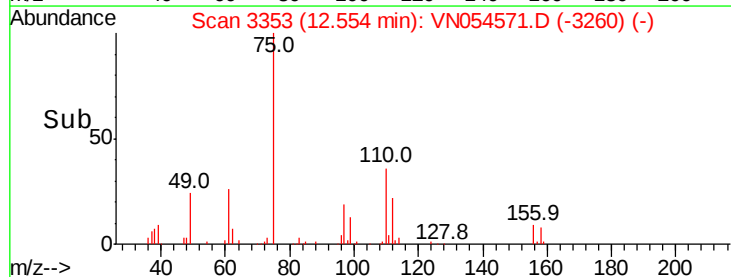
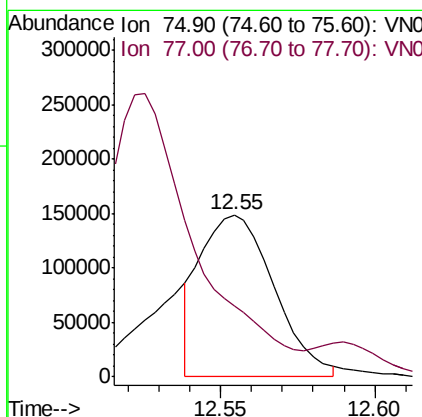
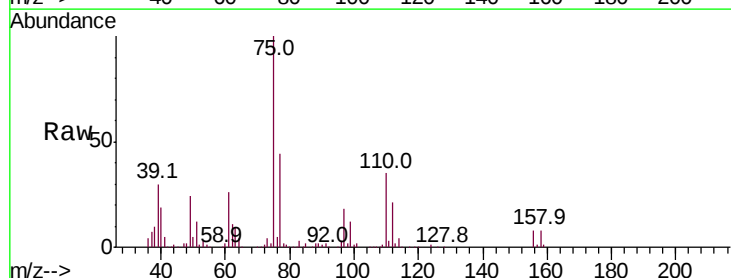
RT: 12.55 min Scan# 3353

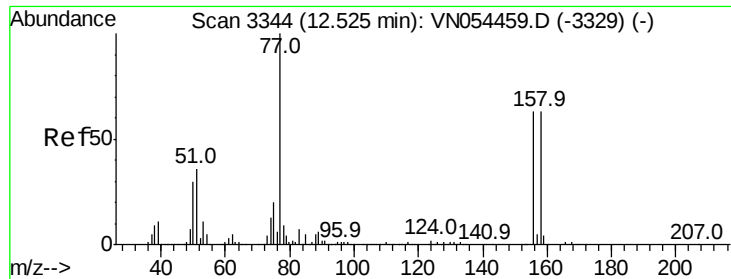
Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Tgt Ion:	75	Resp:	245802
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





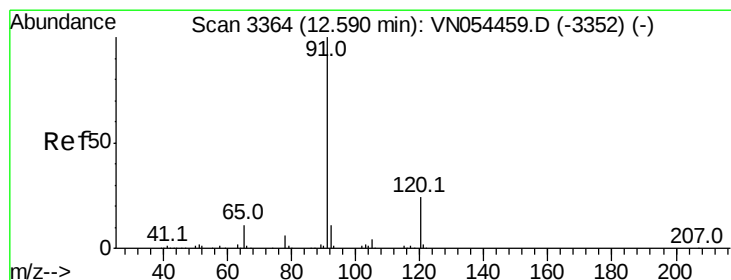
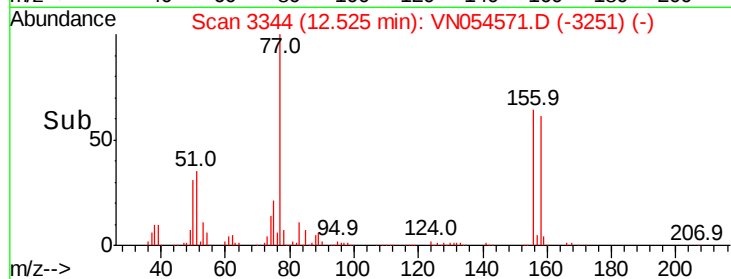
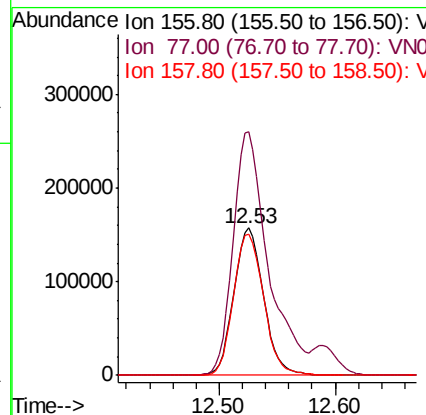
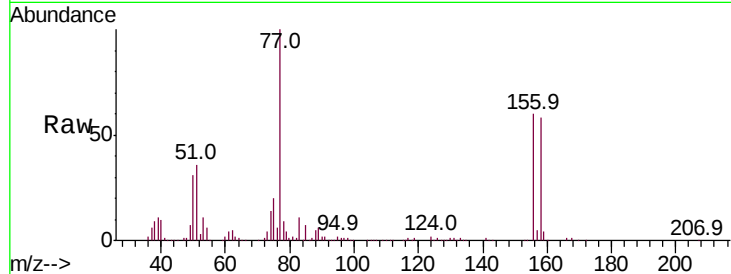
#77
Bromobenzene
Concen: 49.312 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.5	81.5	244.4
158	97.4	49.0	147.2

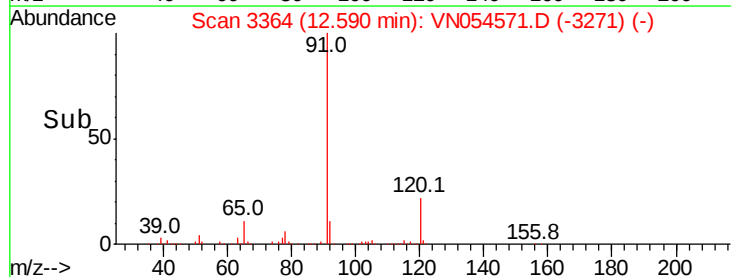
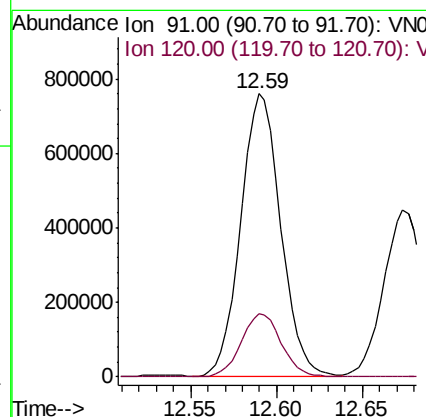
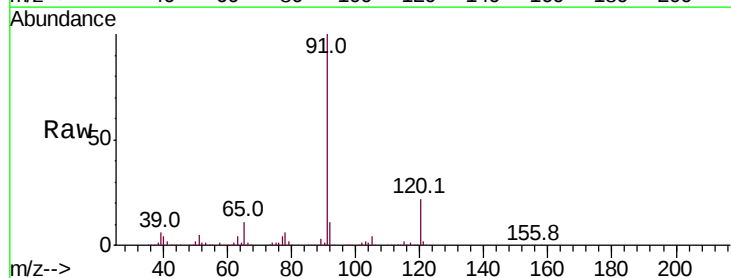
Manual Integrations
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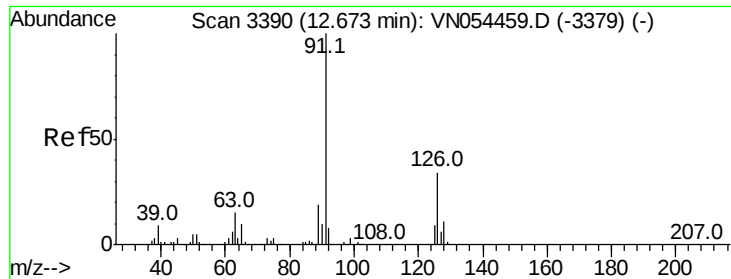
MMDadoda
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#78
n-propylbenzene
Concen: 49.648 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.979 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 752656

Ion Ratio Lower Upper

91 100

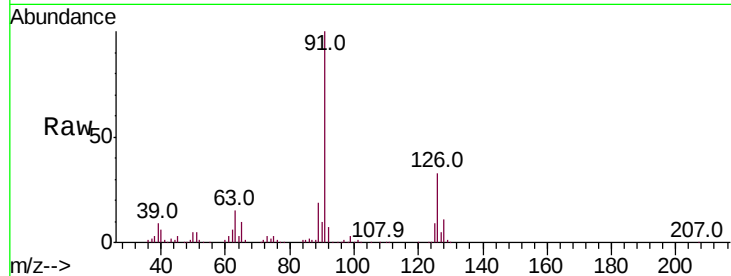
126 34.3 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

400000

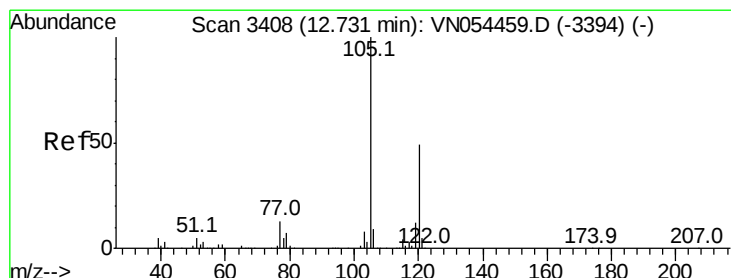
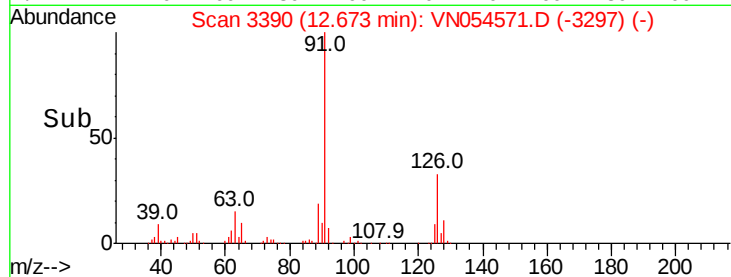
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.040 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054571.D

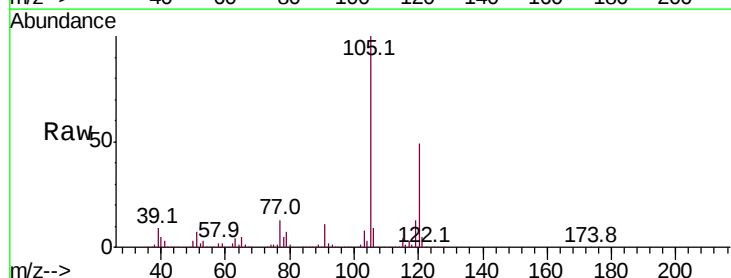
Acq: 22 Mar 2019 21:45

Tgt Ion: 105 Resp: 913378

Ion Ratio Lower Upper

105 100

120 49.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

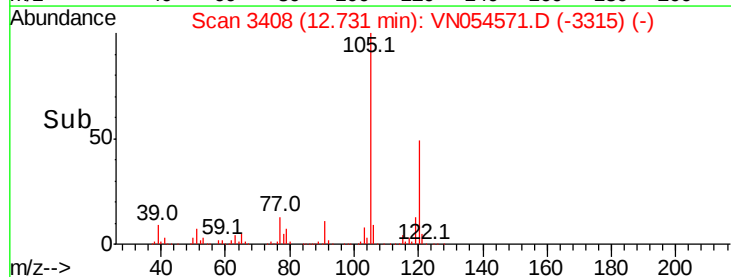
600000

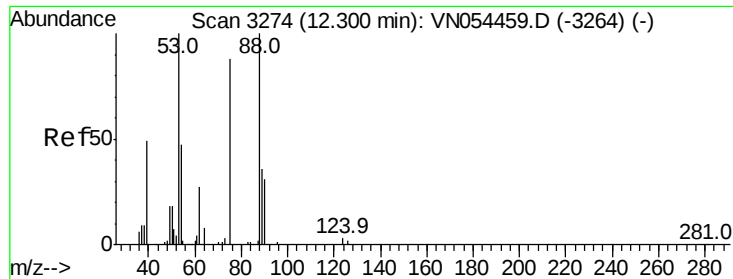
400000

200000

0

Time-->





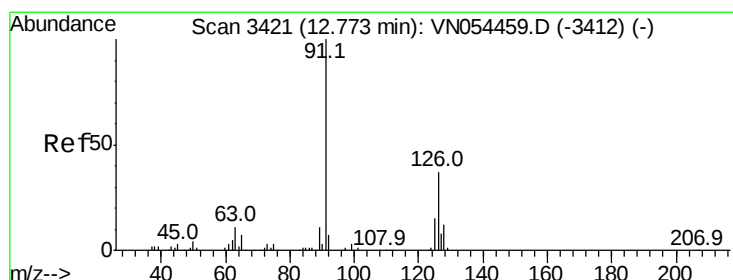
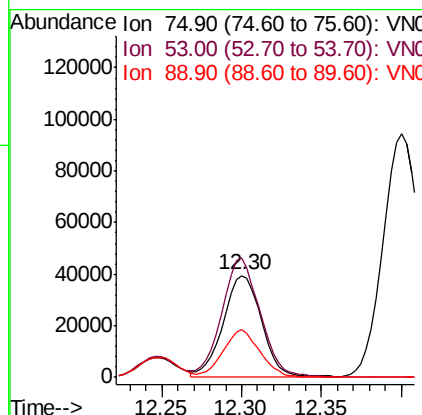
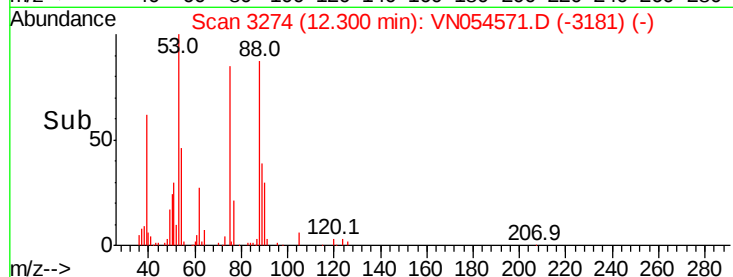
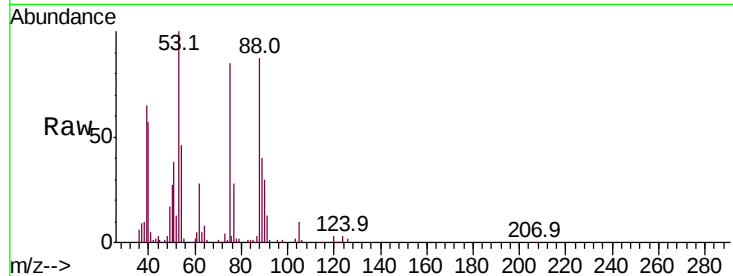
#81
trans-1,4-Dichloro-2-butene
Concen: 48.840 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.9	76.2	114.2#
89	46.4	39.2	58.8

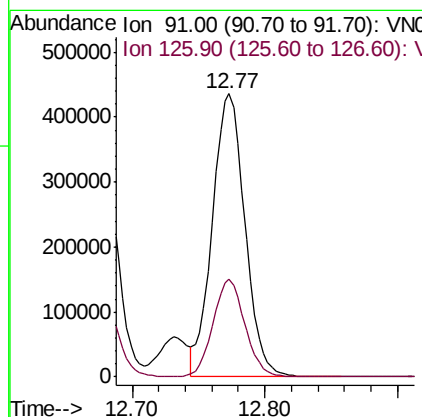
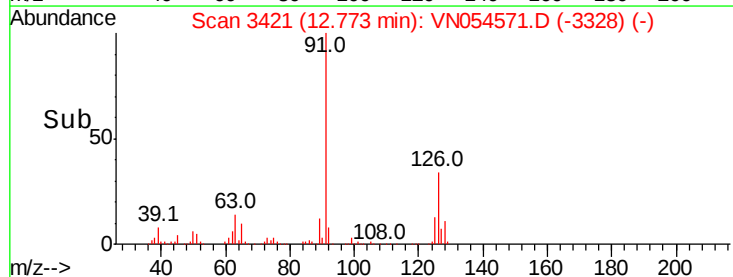
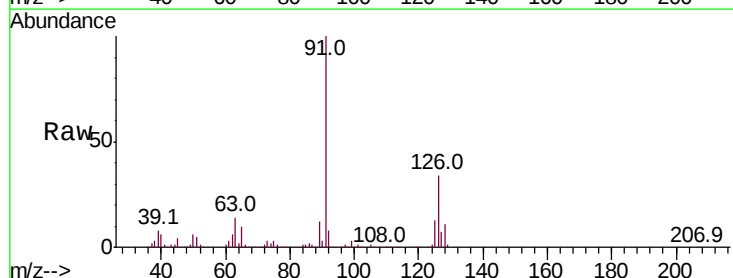
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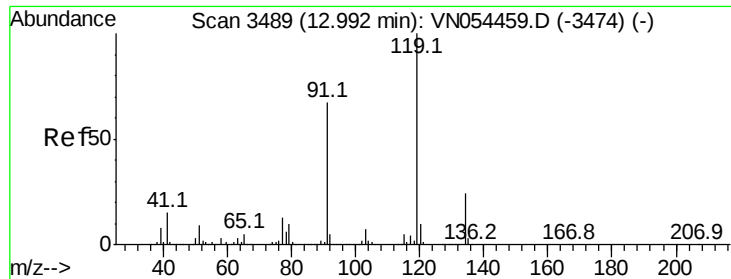
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#82
4-Chlorotoluene
Concen: 49.778 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	18.1	54.1





#83

tert-Butylbenzene

Concen: 49.044 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054571.D

Acq: 22 Mar 2019 21:45

Instrument :

MSVOA_N

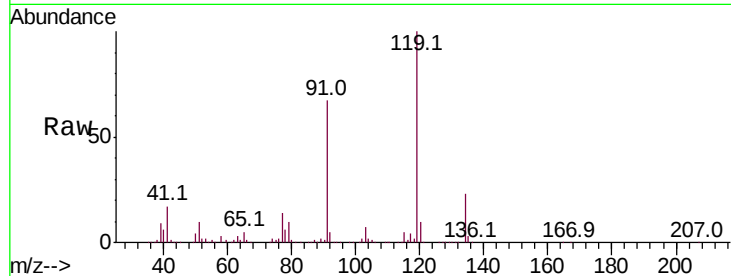
ClientSampleId :

VSTDCCC050

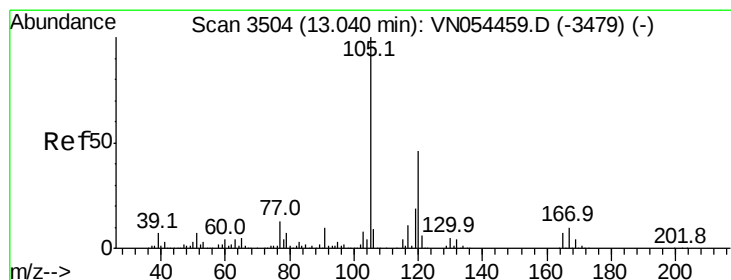
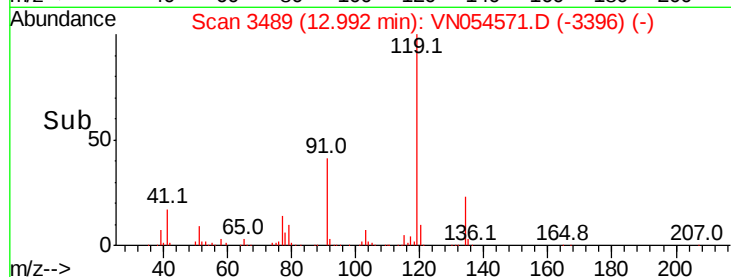
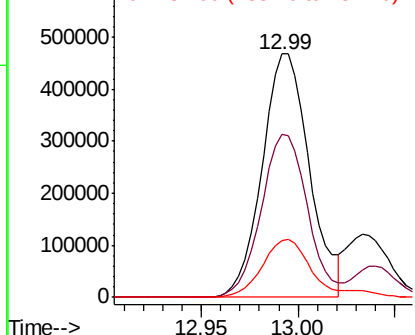
Tot Ion:	119	Resp:	795110
Ion Ratio	Lower	Upper	
119	100		
91	65.3	30.9	92.8
134	23.8	13.2	39.6

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.354 ug/l

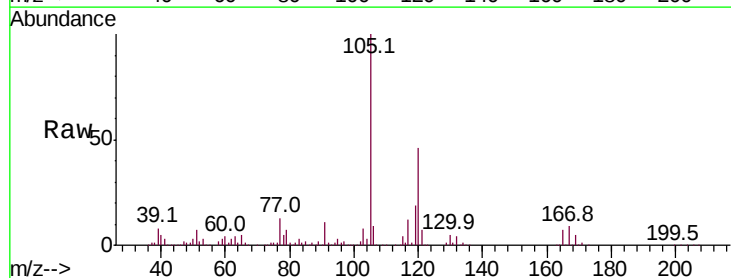
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

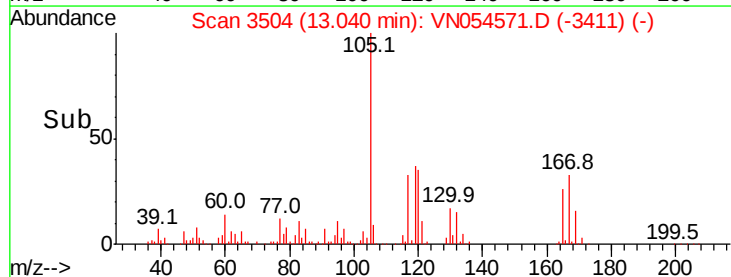
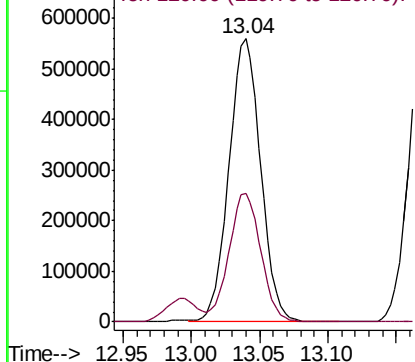
Lab File: VN054571.D

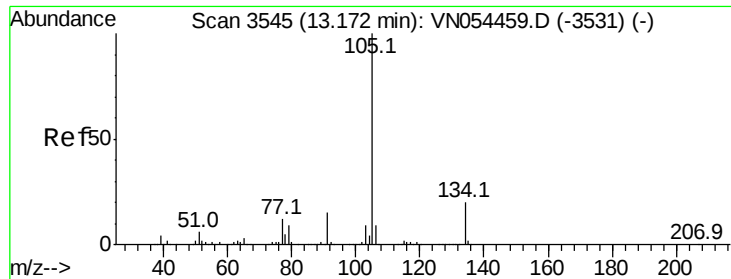
Acq: 22 Mar 2019 21:45

Tgt Ion:	105	Resp:	901960
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





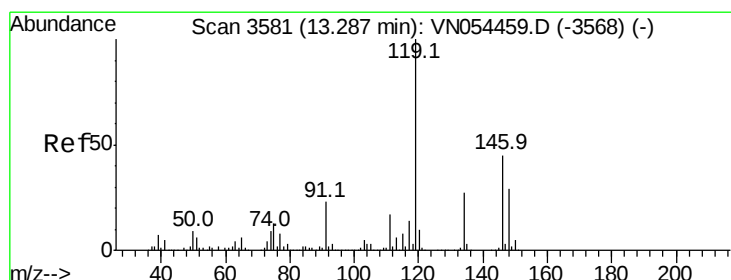
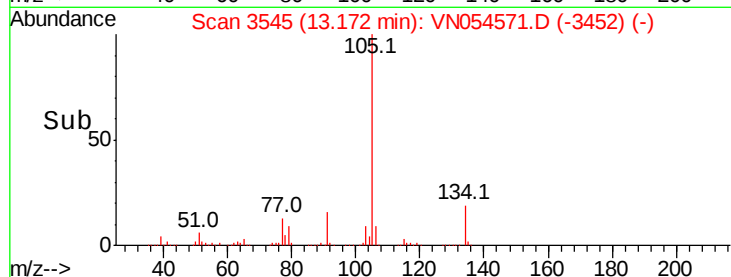
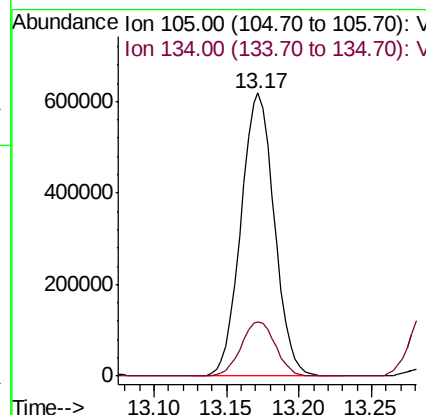
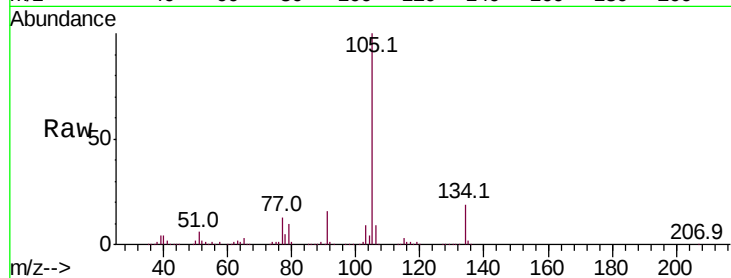
#85
 sec-Butylbenzene
 Concen: 48.879 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 987856
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.7 32.1

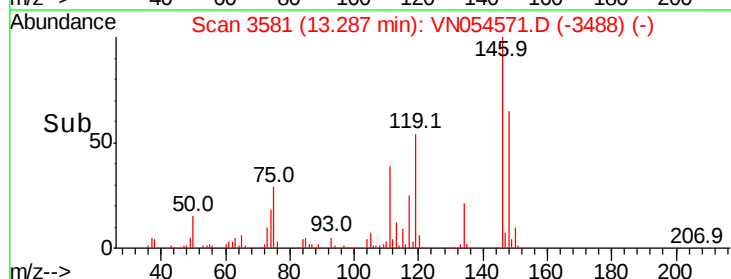
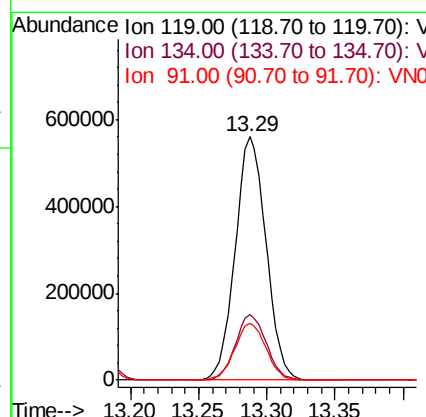
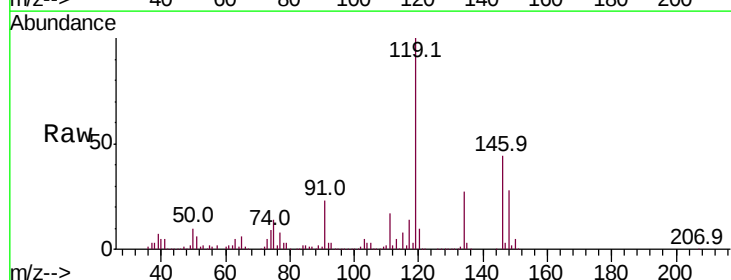
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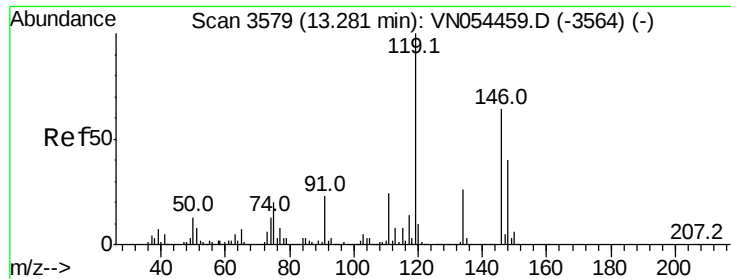
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#86
 p-Isopropyltoluene
 Concen: 48.493 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion:119 Resp: 876810
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.8
 91 23.6 11.1 33.3





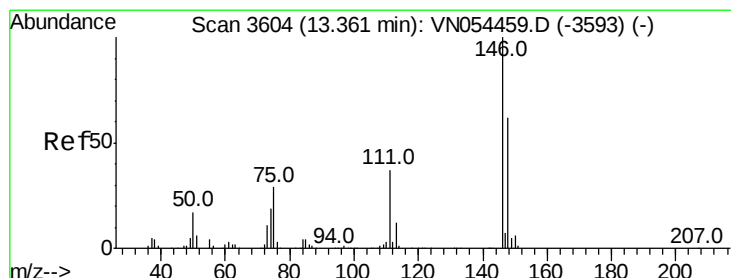
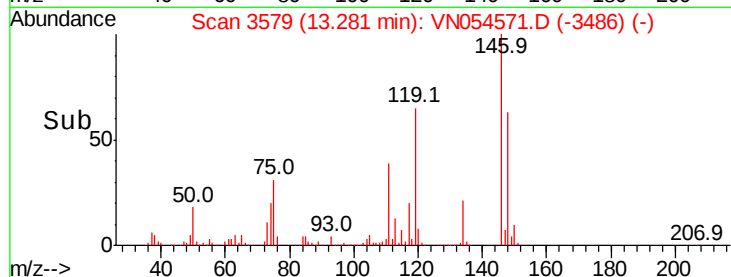
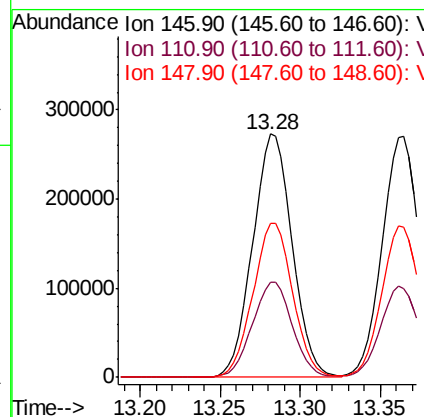
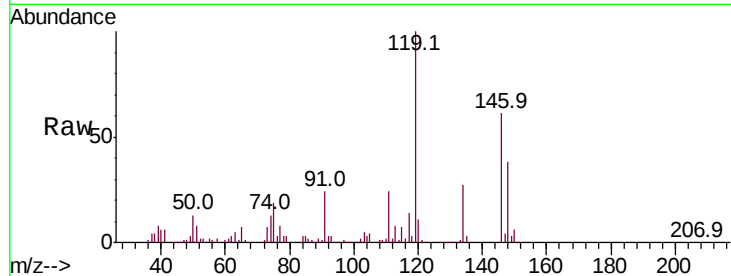
#87
 1,3-Dichlorobenzene
 Concen: 49.642 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	463655		
111	39.3	18.8	56.3	
148	63.6	32.2	96.6	

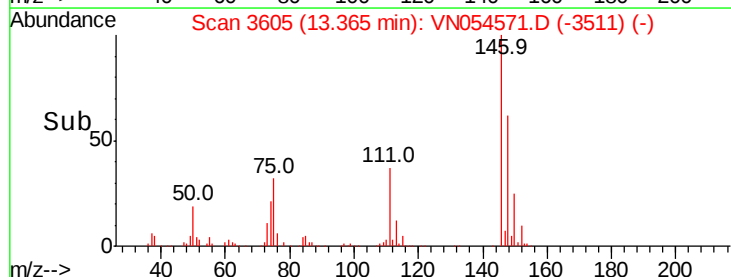
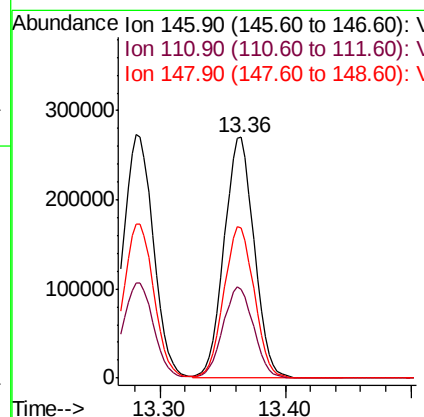
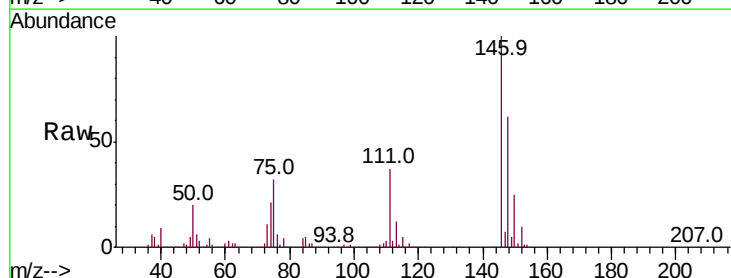
Manual Integrations
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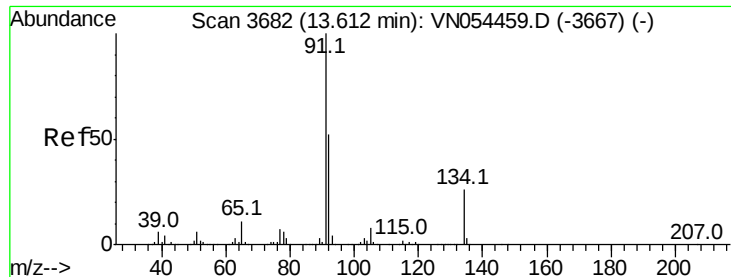
MMDadoda
 3/25/2019 12:53:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.430 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	449194		
111	38.5	18.1	54.1	
148	63.7	32.0	96.0	





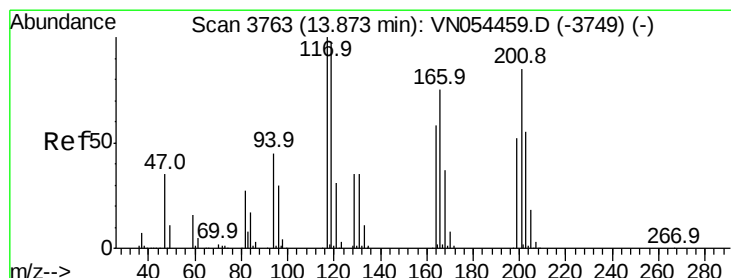
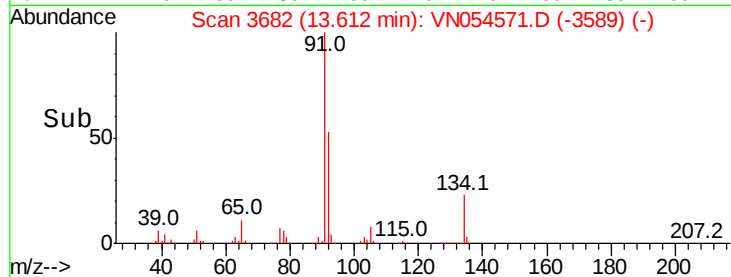
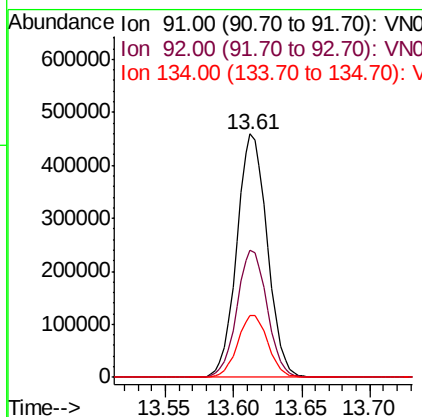
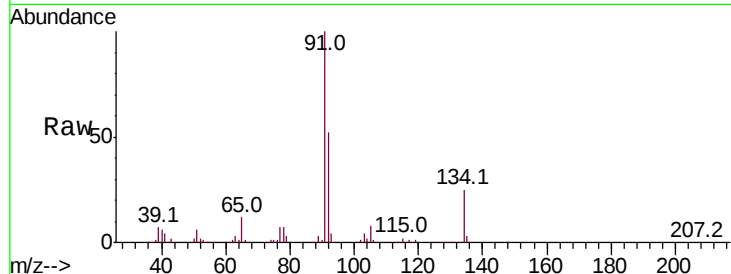
#89
n-Butylbenzene
Concen: 50.177 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	25.4	14.3	42.9

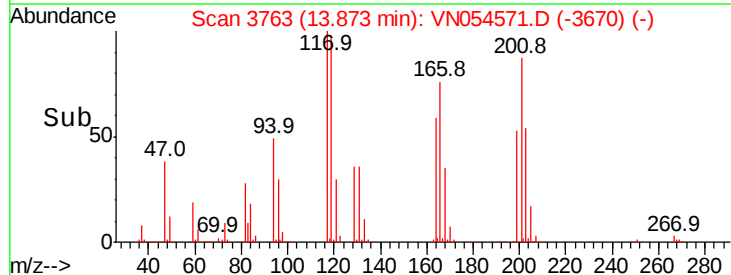
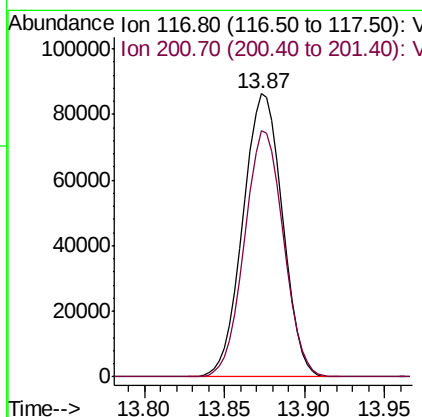
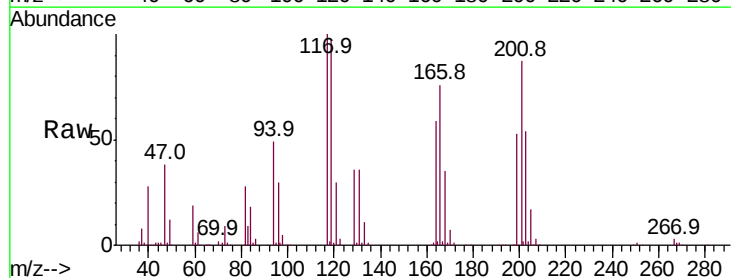
Manual Integrations
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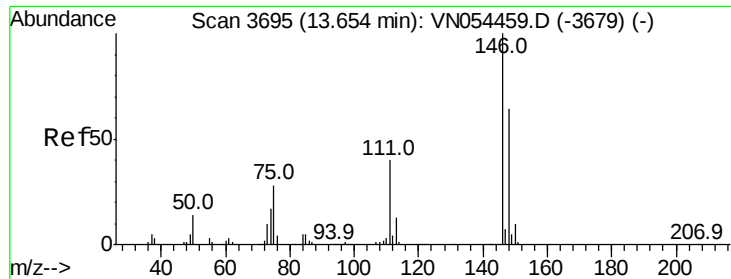
MMDadoda
3/25/2019 12:53:51 PM



#90
Hexachloroethane
Concen: 51.937 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	48.1	144.4





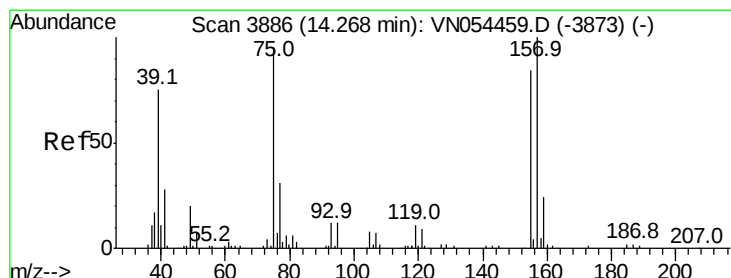
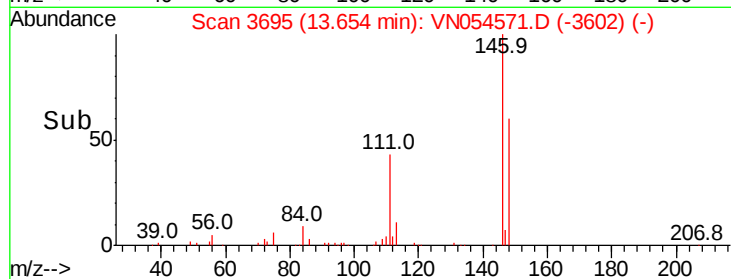
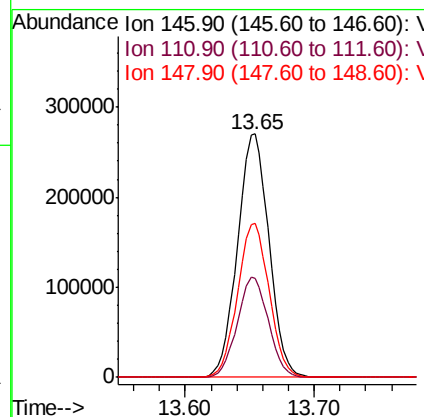
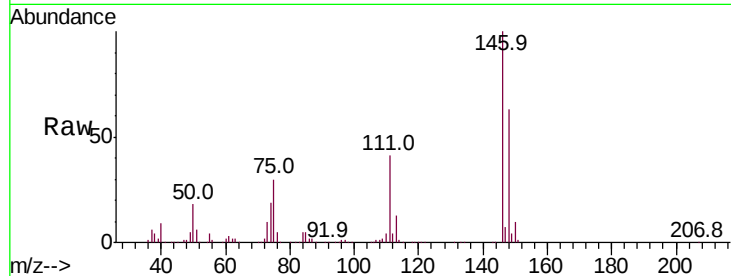
#91
 1,2-Dichlorobenzene
 Concen: 50.583 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	63.5	32.4	97.0

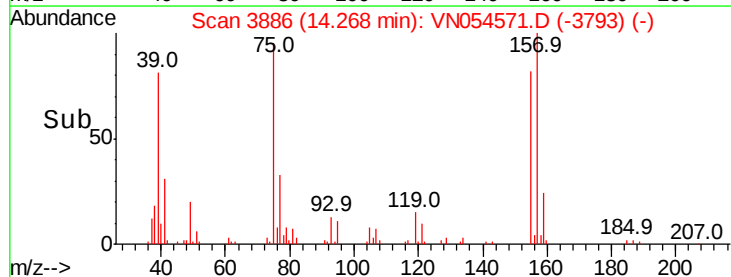
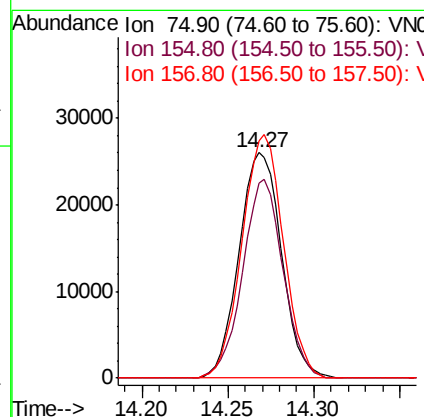
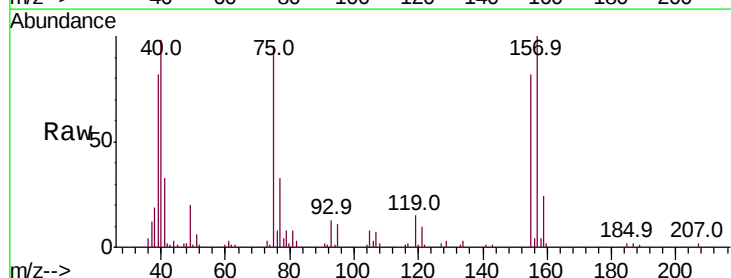
Manual Integrations
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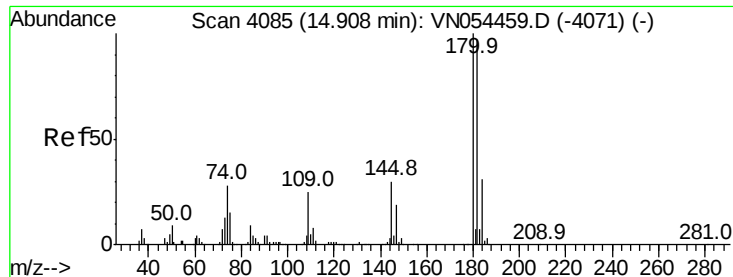
MMDadoda
 3/25/2019 12:53:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.913 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054571.D
 Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	50.1	150.3
157	105.4	63.1	189.3





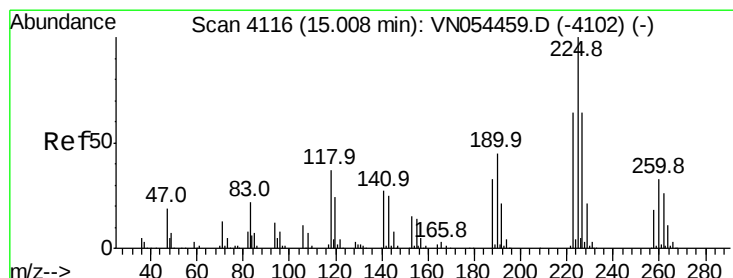
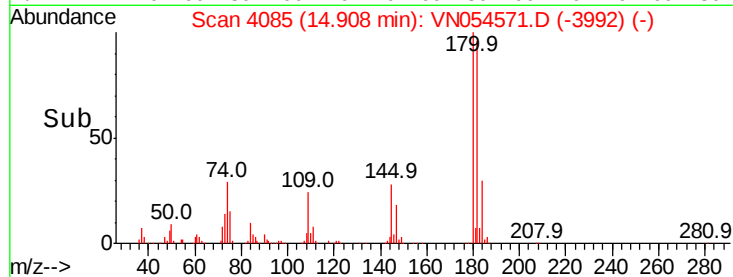
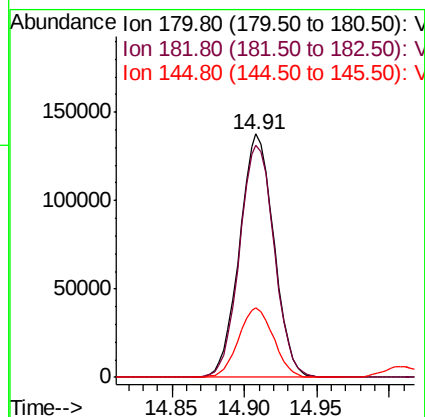
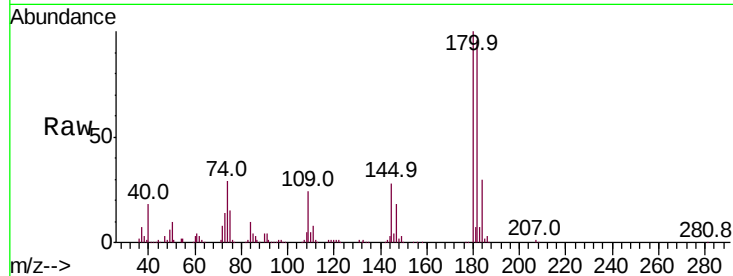
#93
1,2,4-Trichlorobenzene
Concen: 50.202 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.0	144.2	
145	29.0	14.2	42.8	

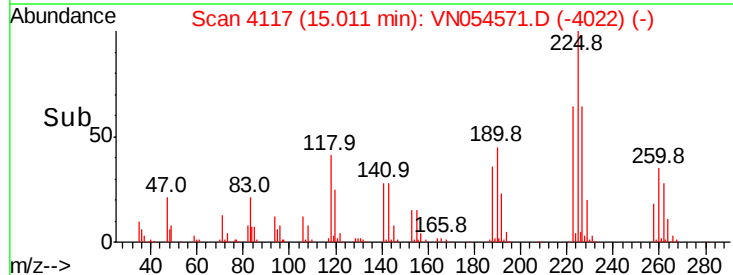
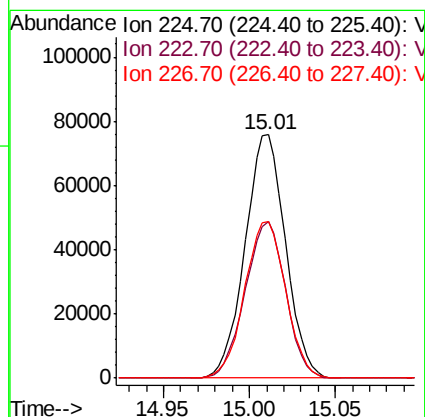
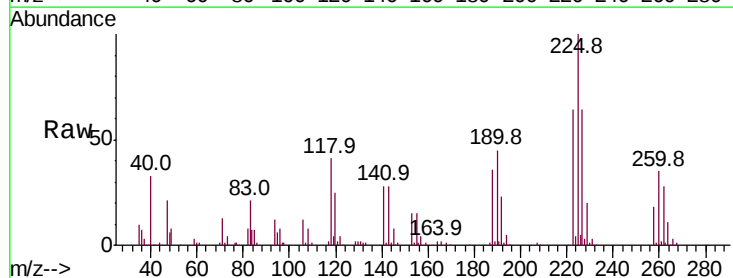
Manual Integrations
APPROVED

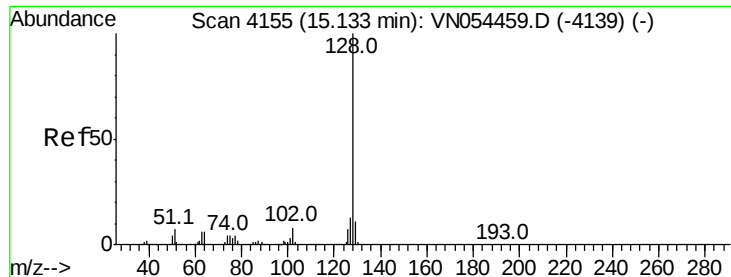
MMDadoda
3/25/2019 12:53:51 PM



#94
Hexachlorobutadiene
Concen: 48.734 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.1	93.5	
227	65.0	31.9	95.9	





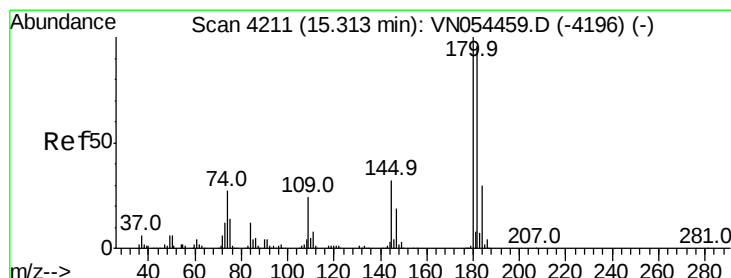
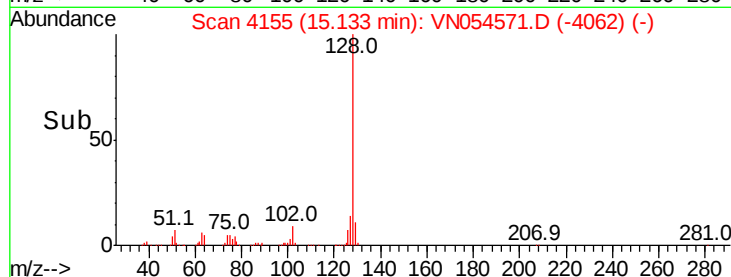
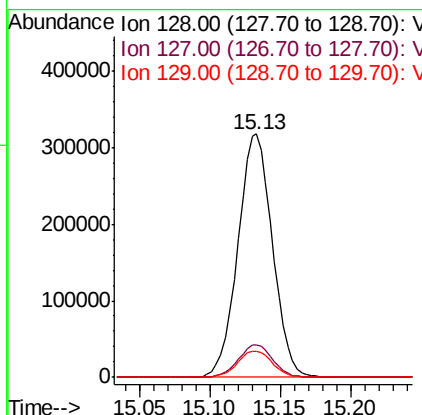
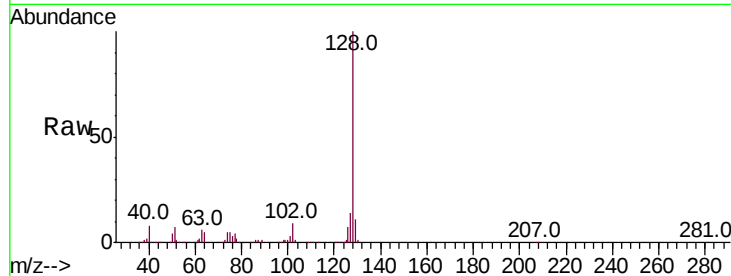
#95
Naphthalene
Concen: 54.113 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 12:53:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.520 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054571.D
Acq: 22 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.6
145	29.7	14.8	44.3

