

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054731.D
 Acq On : 27 Mar 2019 19:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 12:44:49 PM

Quant Time: Mar 28 07:31:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	400269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	668287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	580141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253653	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	269836	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	7.59	113	215492	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.09	98	787173	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.40	95	270899	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	190799	49.863	ug/l	96
3) Chloromethane	2.06	50	262435	50.408	ug/l	100
4) Vinyl Chloride	2.19	62	243610	46.606	ug/l	97
5) Bromomethane	2.57	94	138680	41.030	ug/l	100
6) Chloroethane	2.71	64	135858	43.333	ug/l	98
7) Trichlorofluoromethane	3.02	101	310333	48.888	ug/l	100
8) Diethyl Ether	3.41	74	105068	43.037	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163102	43.720	ug/l	94
10) Methyl Iodide	3.95	142	241069	43.928	ug/l #	87
11) Tert butyl alcohol	4.82	59	78788	261.387	ug/l	100
12) 1,1-Dichloroethene	3.73	96	156424	40.517	ug/l #	74
13) Acrolein	3.61	56	135208	325.046	ug/l	96
14) Allyl chloride	4.32	41	392214	53.949	ug/l #	91
15) Acrylonitrile	5.00	53	427102	284.535	ug/l	99
16) Acetone	3.82	43	297405	198.687	ug/l #	82
17) Carbon Disulfide	4.04	76	442446	42.771	ug/l	99
18) Methyl Acetate	4.33	43	195339	58.549	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	601228	53.360	ug/l	94
20) Methylene Chloride	4.55	84	226139	51.251	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	205144	52.037	ug/l #	82
22) Diisopropyl ether	5.96	45	830770	57.934	ug/l #	94
23) Vinyl Acetate	5.90	43	2987831	295.011	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	430560	55.764	ug/l	97
25) 2-Butanone	6.85	43	534946	278.987	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	285532	51.878	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	249604	53.082	ug/l	88
28) Bromochloromethane	7.19	49	219048	57.637	ug/l #	71
29) Tetrahydrofuran	7.22	42	362047	290.963	ug/l #	83
30) Chloroform	7.37	83	418771	55.576	ug/l	100
31) Cyclohexane	7.65	56	385202	52.145	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	346930	55.808	ug/l	95
36) 1,1-Dichloropropene	7.79	75	309832	49.585	ug/l	95
37) Ethyl Acetate	6.94	43	234218	52.702	ug/l	95
38) Carbon Tetrachloride	7.77	117	299320	49.294	ug/l	98

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

39) Methylcyclohexane	9.08	83	326247	45.644	ug/l	91
40) Benzene	8.04	78	920177	51.499	ug/l	100
41) Methacrylonitrile	7.18	41	137600	50.769	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	332798	51.144	ug/l	97
43) Isopropyl Acetate	8.17	43	423654	56.445	ug/l #	92
44) Trichloroethene	8.83	130	237146	47.738	ug/l	95
45) 1,2-Dichloropropane	9.12	63	264844	55.200	ug/l	98
46) Dibromomethane	9.21	93	151145	52.805	ug/l	88
47) Bromodichloromethane	9.40	83	319352	53.760	ug/l	99
48) Methyl methacrylate	9.20	41	208784	51.251	ug/l	88
49) 1,4-Dioxane	9.20	88	42470	932.542	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1182145	284.195	ug/l	92
52) Toluene	10.16	92	545850	49.669	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	305426	48.796	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	368077	54.040	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	210012	53.163	ug/l	96
56) Ethyl methacrylate	10.43	69	284270	53.613	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	364955	53.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	539758	247.218	ug/l	89
59) 2-Hexanone	10.75	43	722153	265.789	ug/l	90
60) Dibromochloromethane	10.90	129	222358	52.897	ug/l	98
61) 1,2-Dibromoethane	11.01	107	202334	51.808	ug/l	99
64) Tetrachloroethene	10.63	164	220865	45.899	ug/l	95
65) Chlorobenzene	11.43	112	578483	49.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226874	53.569	ug/l	99
67) Ethyl Benzene	11.51	91	1046396	50.204	ug/l	97
68) m/p-Xylenes	11.62	106	762733	96.613	ug/l	95
69) o-Xylene	11.95	106	375172	48.660	ug/l	96
70) Styrene	11.96	104	626943	50.073	ug/l	97
71) Bromoform	12.13	173	138139	47.430	ug/l #	99
73) Isopropylbenzene	12.25	105	988443	48.358	ug/l	98
74) N-amyl acetate	12.07	43	330497	56.234	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	258451	55.391	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226688m	56.319	ug/l	
77) Bromobenzene	12.53	156	243821	48.097	ug/l	84
78) n-propylbenzene	12.59	91	1097278	49.507	ug/l	97
79) 2-Chlorotoluene	12.67	91	671830	48.608	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	808800	48.280	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	56562	48.542	ug/l #	82
82) 4-Chlorotoluene	12.77	91	659206	49.204	ug/l	96
83) tert-Butylbenzene	12.99	119	694107	47.600	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	794633	48.342	ug/l	99
85) sec-Butylbenzene	13.17	105	880642	48.446	ug/l	97
86) p-Isopropyltoluene	13.29	119	777519	47.810	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	409516	48.747	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398455	48.749	ug/l	99
89) n-Butylbenzene	13.61	91	637706	50.149	ug/l	97
90) Hexachloroethane	13.87	117	138473	54.855	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	405141	49.791	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36825	53.808	ug/l	86

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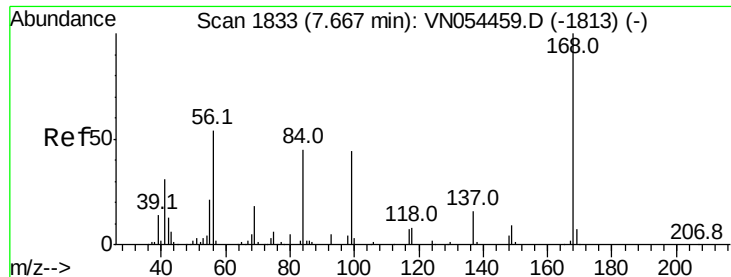
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199314	49.137	ug/l	99
94) Hexachlorobutadiene	15.01	225	119457	52.542	ug/l	98
95) Naphthalene	15.13	128	449914	49.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	198621	49.199	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 400269

Ion Ratio Lower Upper

168 100

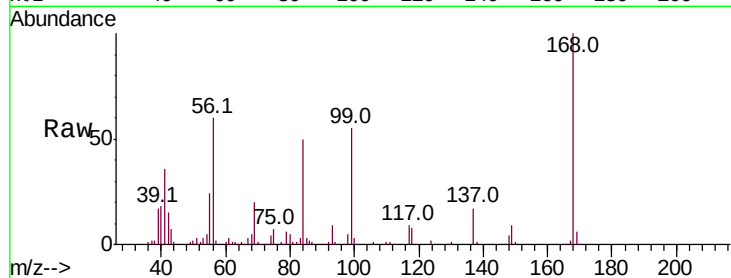
99 53.5 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

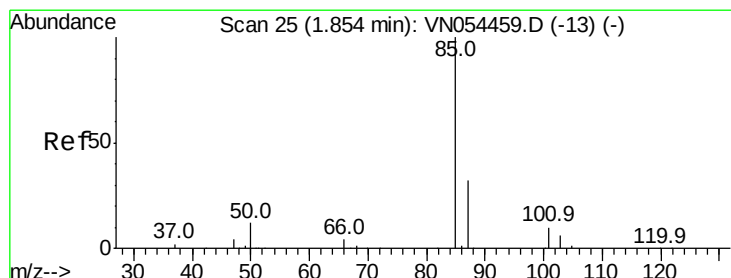
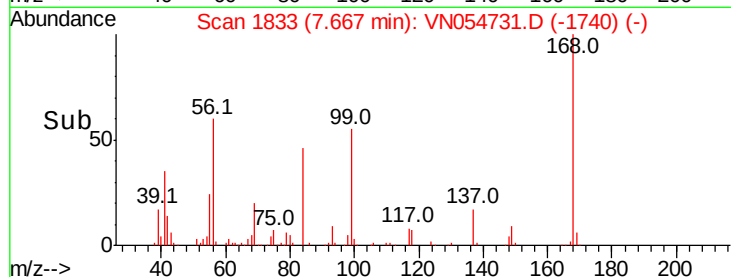
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.863 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054731.D

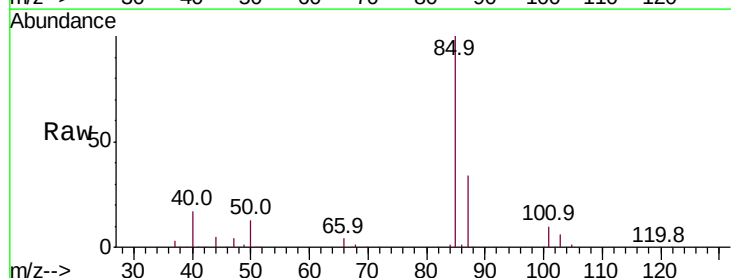
Acq: 27 Mar 2019 19:14

Tgt Ion: 85 Resp: 190799

Ion Ratio Lower Upper

85 100

87 33.9 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

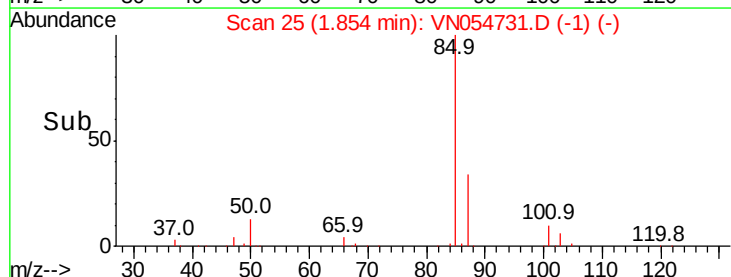
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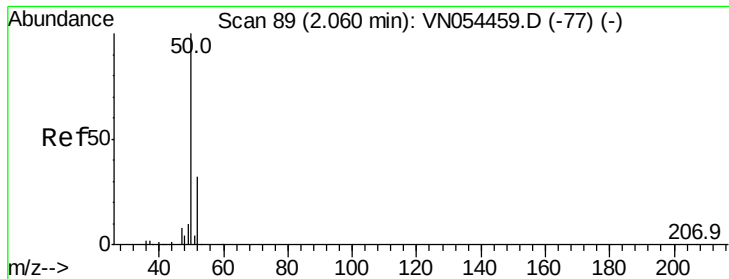
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50000

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Time-->





#3

Chloromethane

Concen: 50.408 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 262435

Ion Ratio Lower Upper

50 100

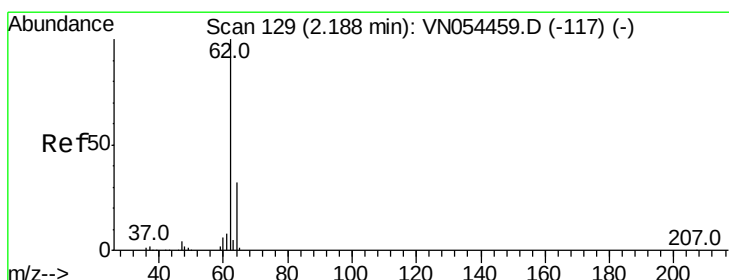
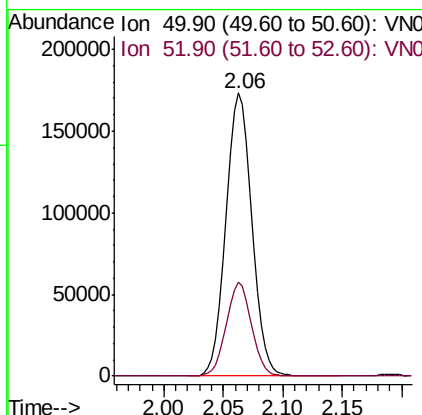
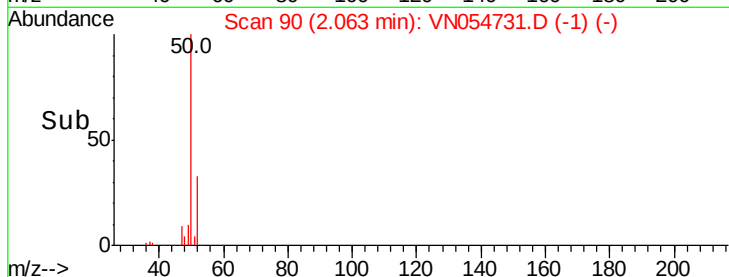
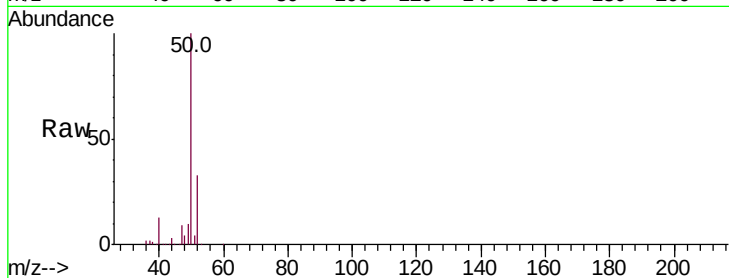
52 33.1 26.4 39.6

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#4

Vinyl Chloride

Concen: 46.606 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054731.D

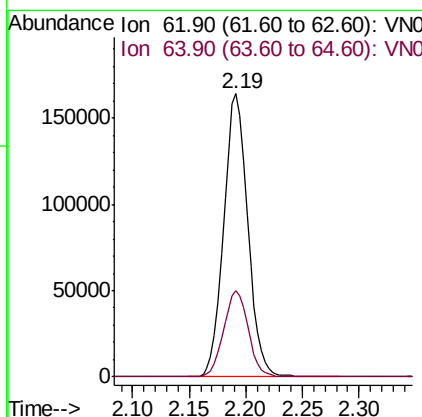
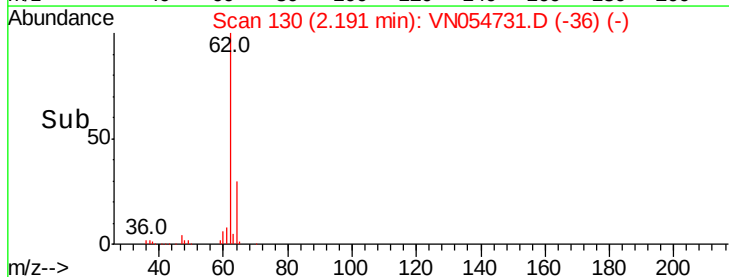
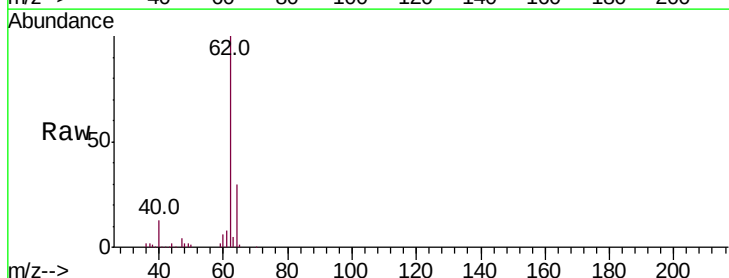
Acq: 27 Mar 2019 19:14

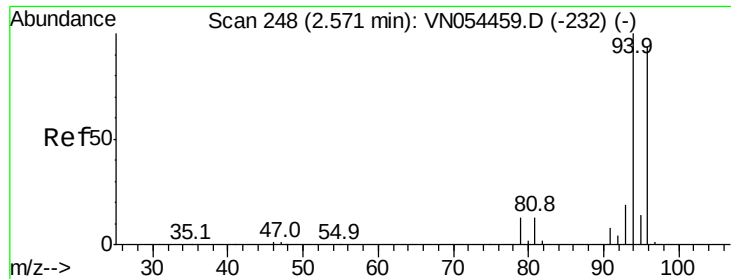
Tgt Ion: 62 Resp: 243610

Ion Ratio Lower Upper

62 100

64 30.3 25.5 38.3





#5

Bromomethane

Concen: 41.030 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 138680

Ion Ratio Lower Upper

94 100

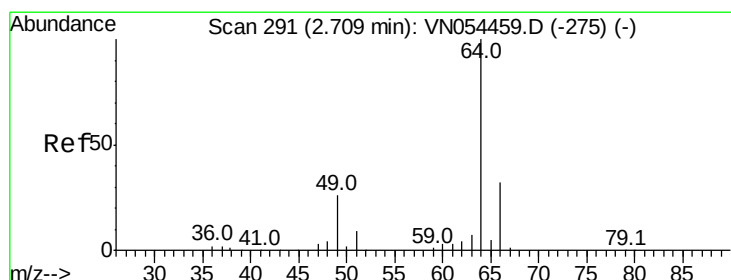
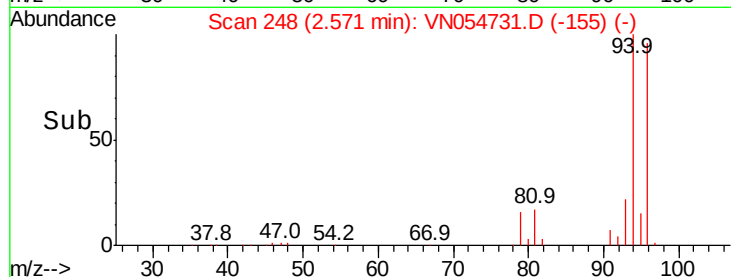
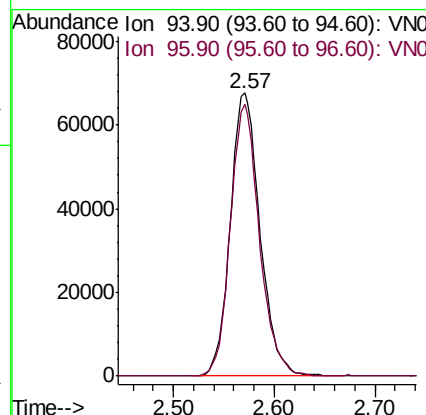
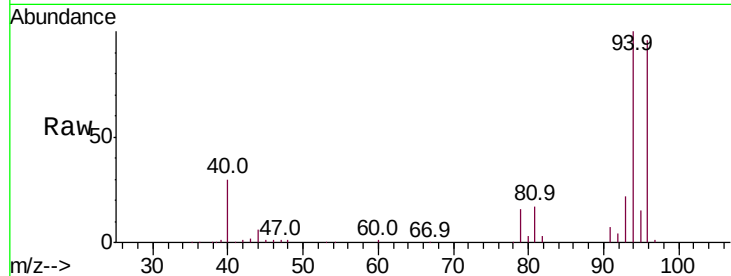
96 96.1 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 43.333 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054731.D

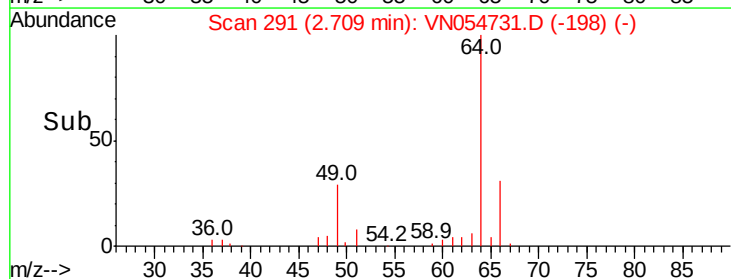
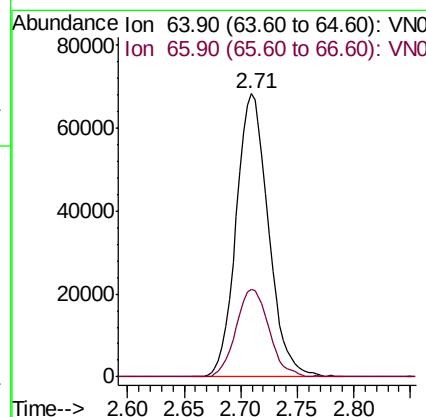
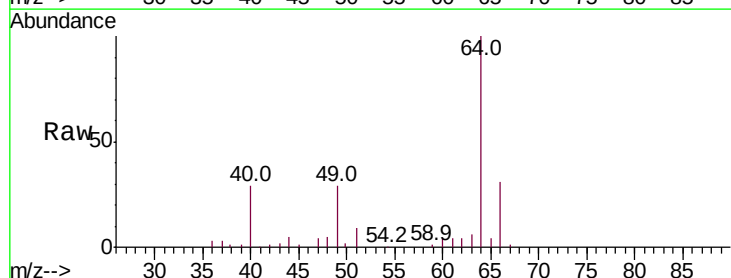
Acq: 27 Mar 2019 19:14

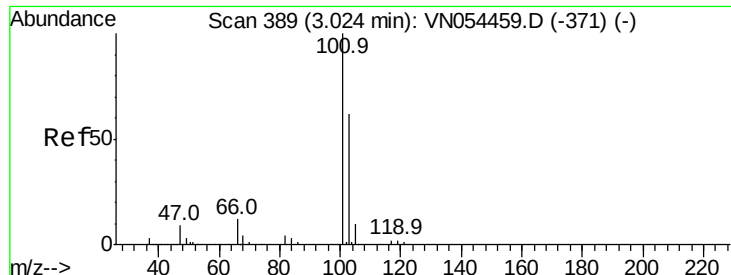
Tgt Ion: 64 Resp: 135858

Ion Ratio Lower Upper

64 100

66 30.9 25.7 38.5





#7

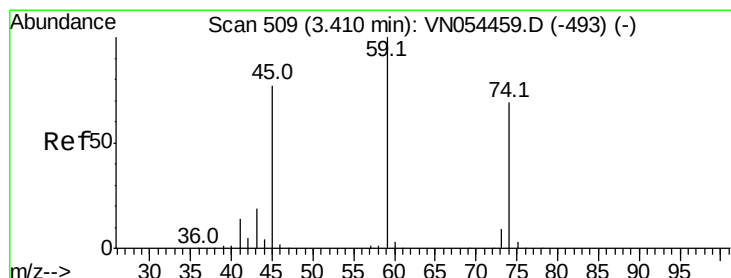
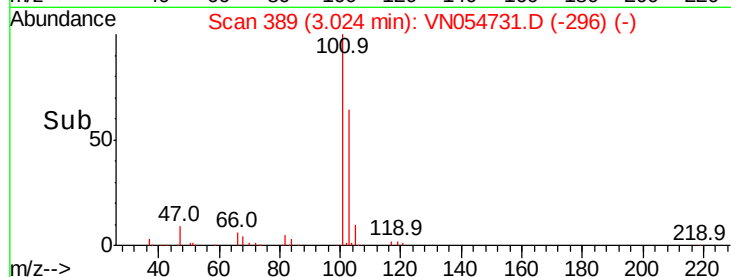
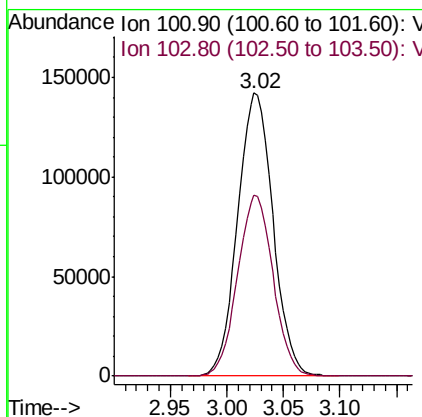
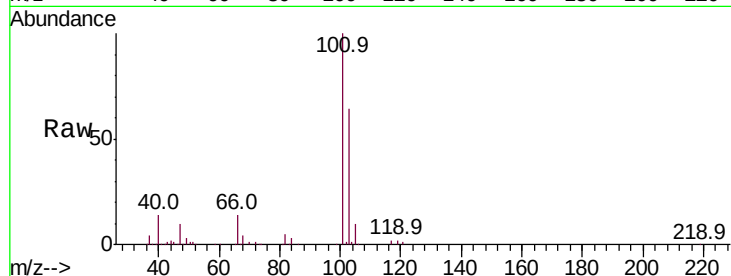
Trichlorofluoromethane
Concen: 48.888 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

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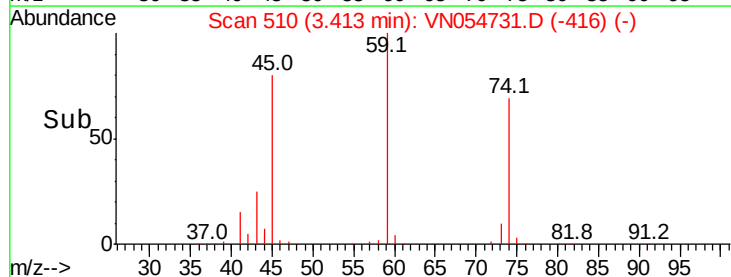
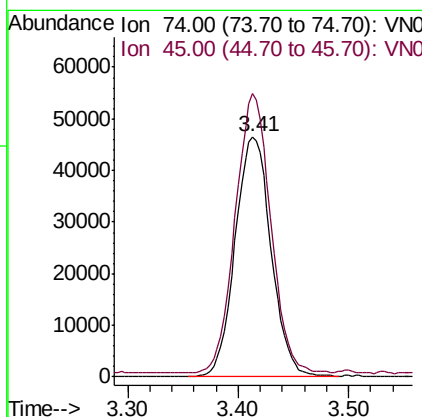
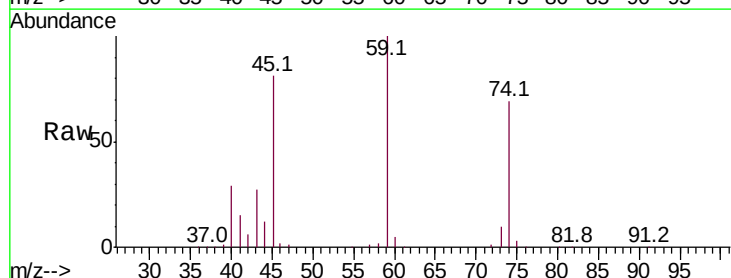
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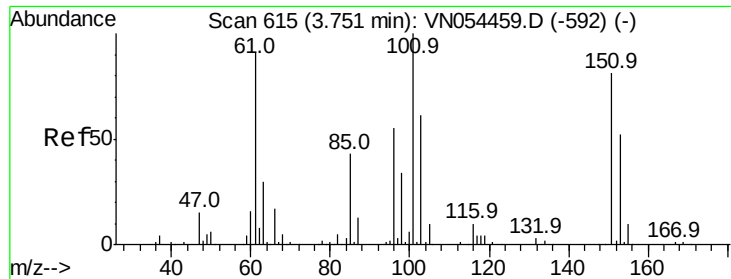


#8

Diethyl Ether
Concen: 43.037 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.8	43.1	129.4





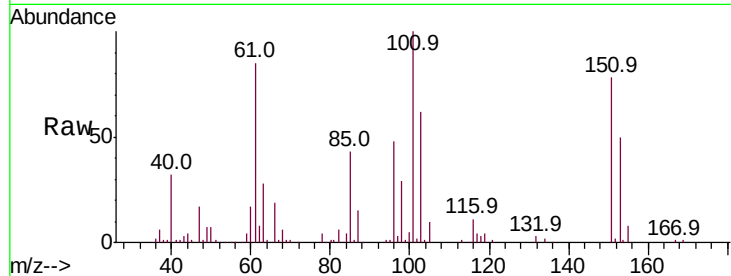
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.720 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN054731.D
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Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	163102		
85	45.2	32.4	48.6	
151	80.0	68.2	102.2	

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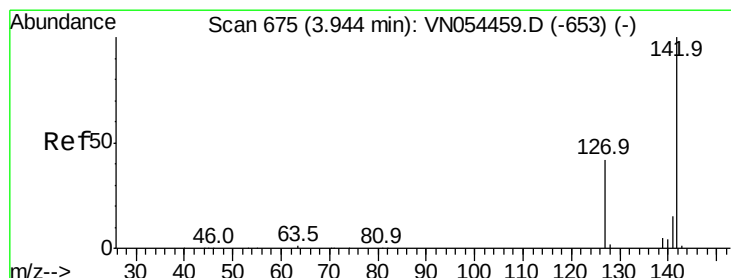
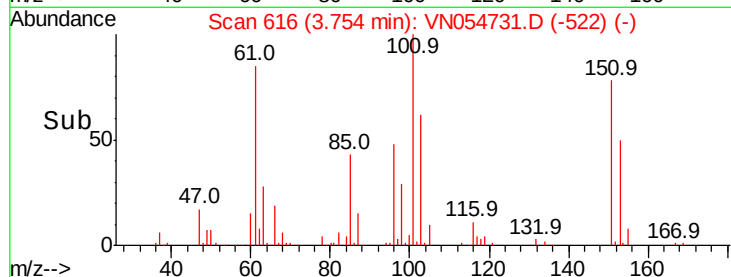
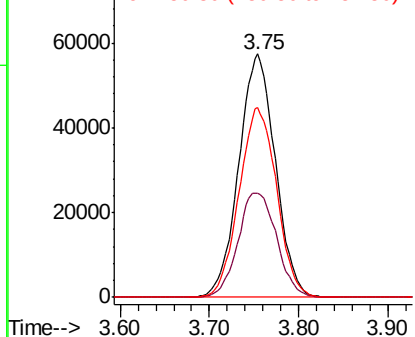


Abundance

Ion 100.90 (100.60 to 101.60): V

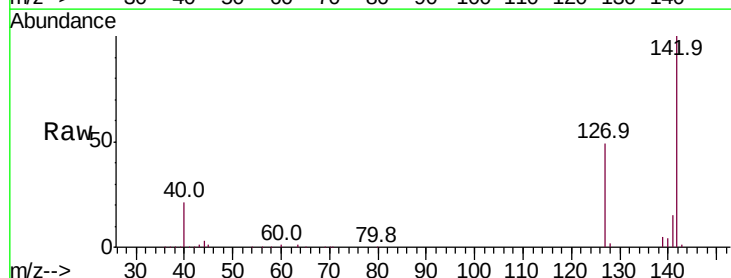
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 43.928 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	241069		
127	48.6	30.3	45.5#	
141	14.6	11.2	16.8	

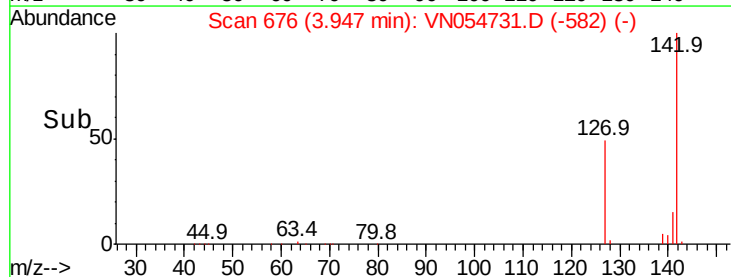
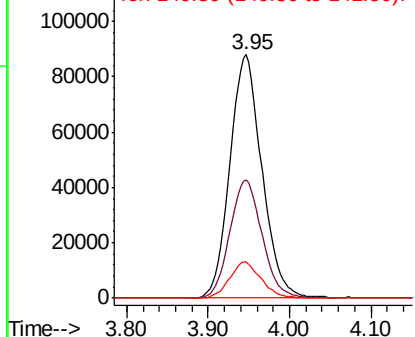


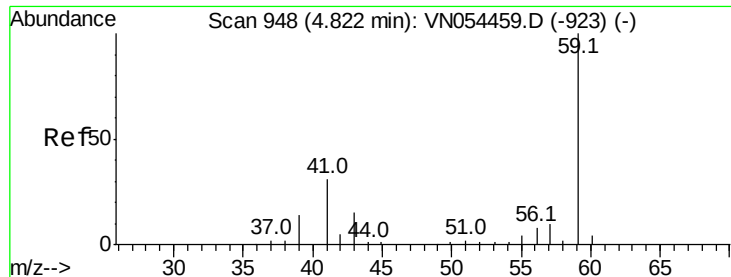
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





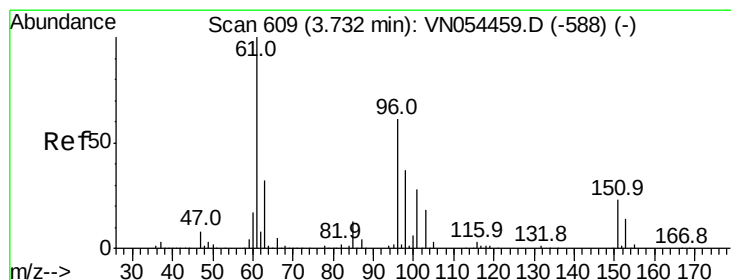
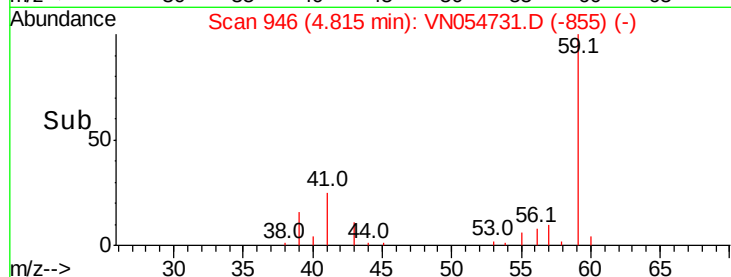
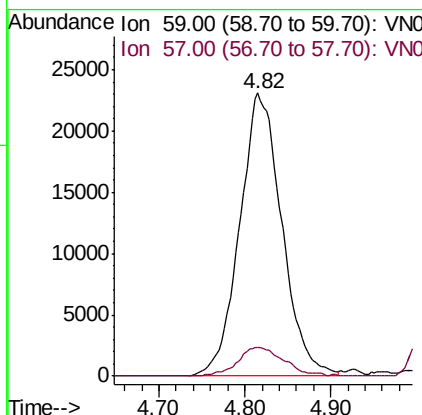
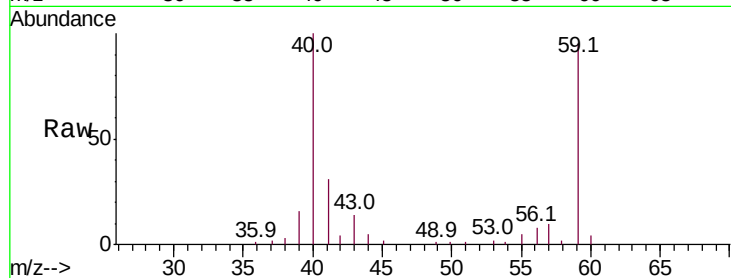
#11
Tert butyl alcohol
Concen: 261.387 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.6

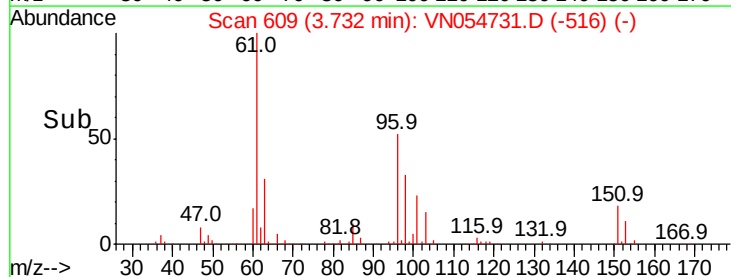
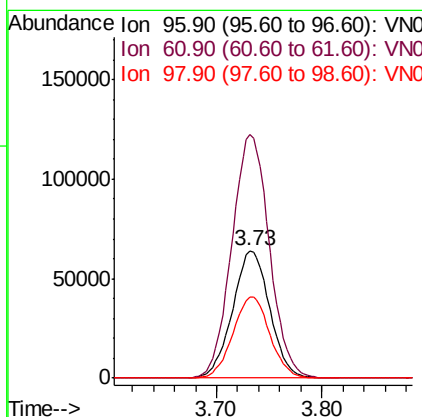
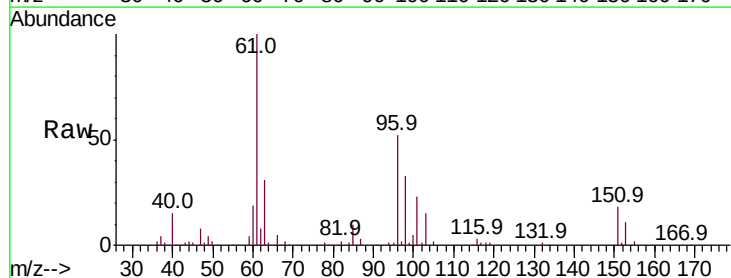
Manual Integrations
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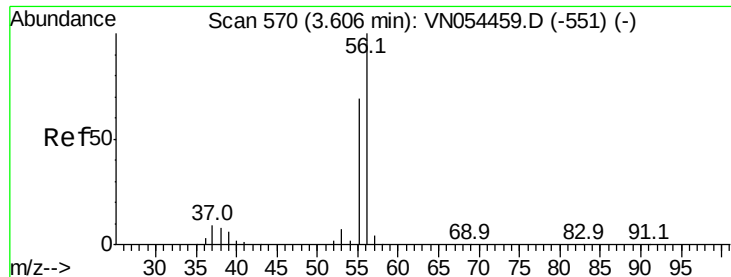
MMDadoda
3/28/2019 12:44:49 PM



#12
1,1-Dichloroethene
Concen: 40.517 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.1	116.5	174.7#
98	63.4	51.0	76.4





#13

Acrolein

Concen: 325.046 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 135208

Ion Ratio Lower Upper

56 100

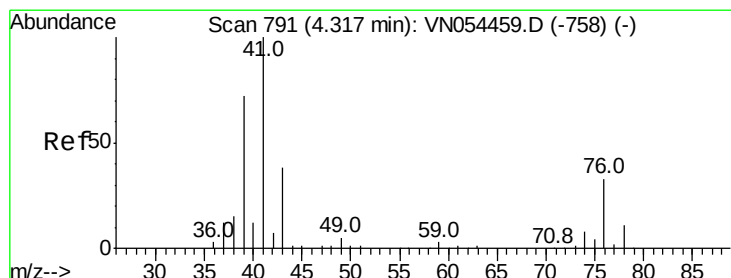
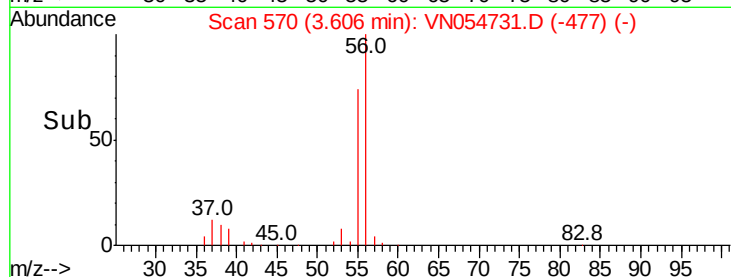
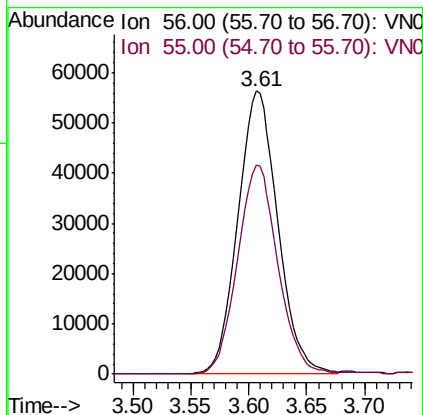
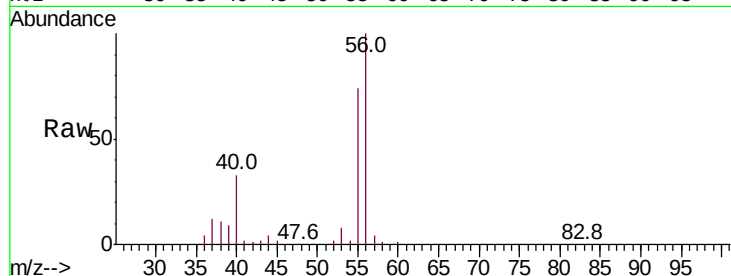
55 74.4 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.949 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

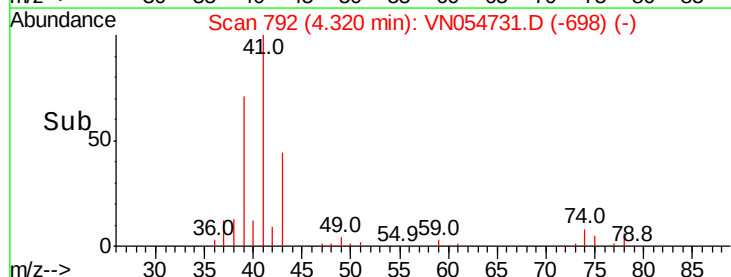
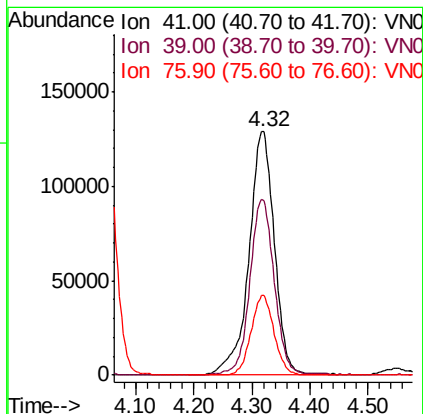
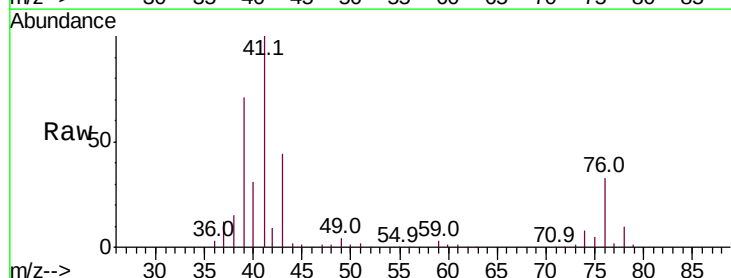
Tgt Ion: 41 Resp: 392214

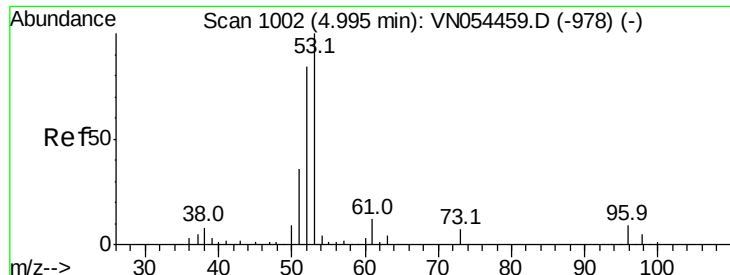
Ion Ratio Lower Upper

41 100

39 68.9 58.2 87.4

76 29.3 31.7 47.5#





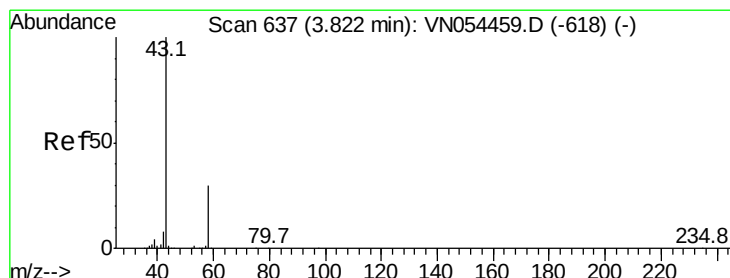
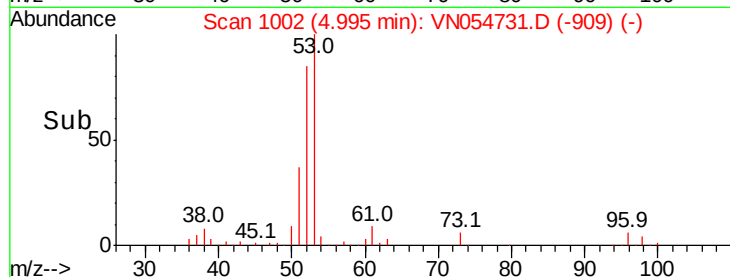
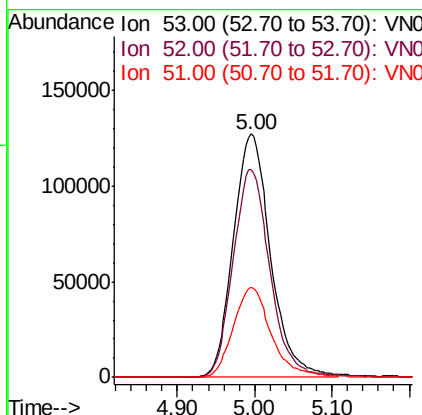
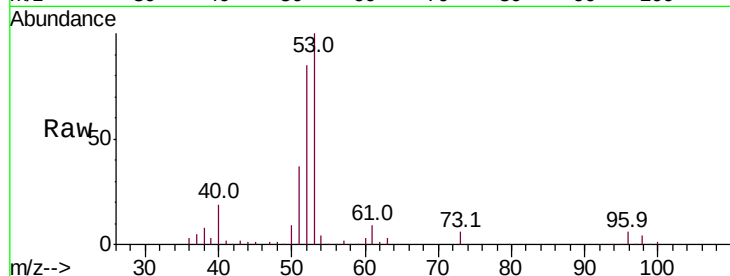
#15
 Acrylonitrile
 Concen: 284.535 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.4	99.6
51	37.8	29.6	44.4

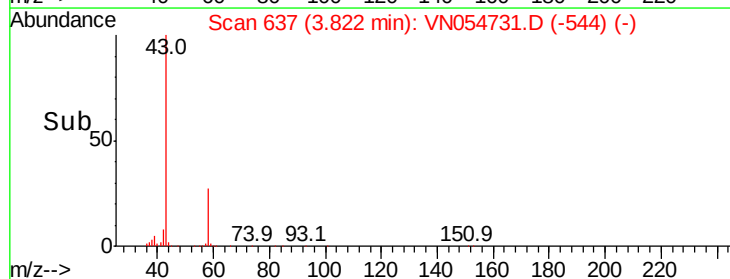
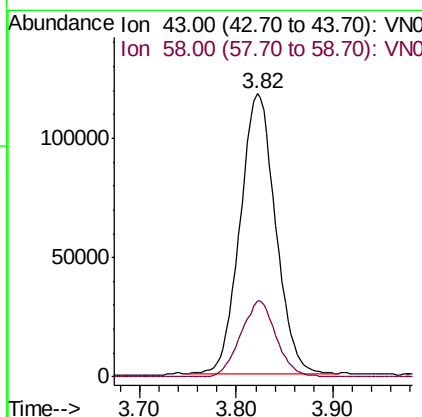
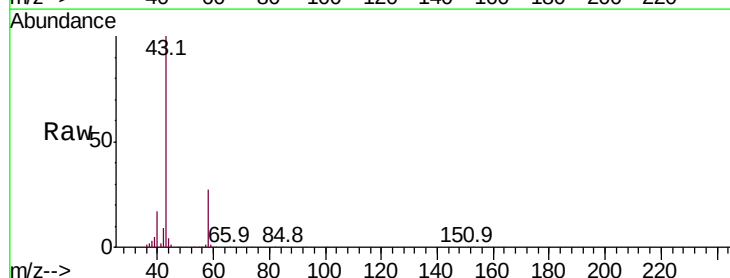
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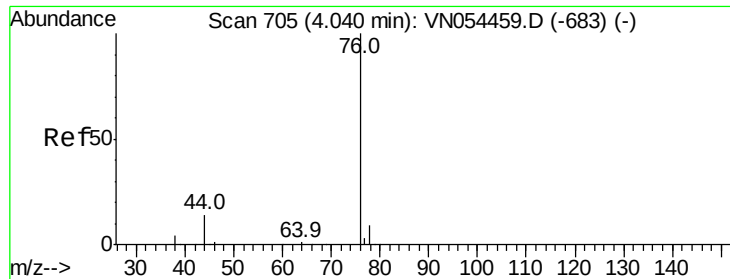
MMDadoda
 3/28/2019 12:44:49 PM



#16
 Acetone
 Concen: 198.687 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	29.9	44.9#





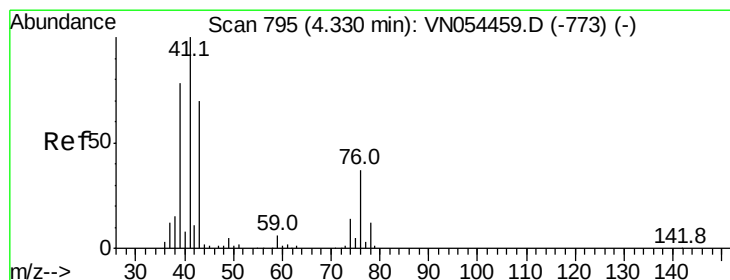
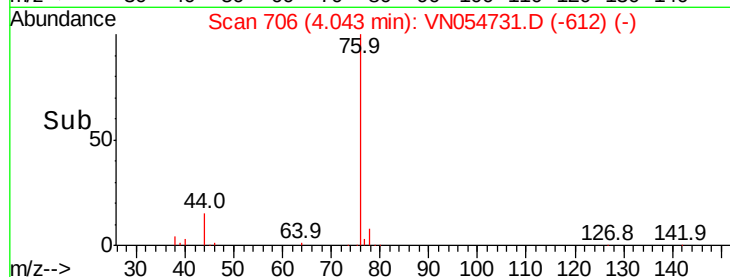
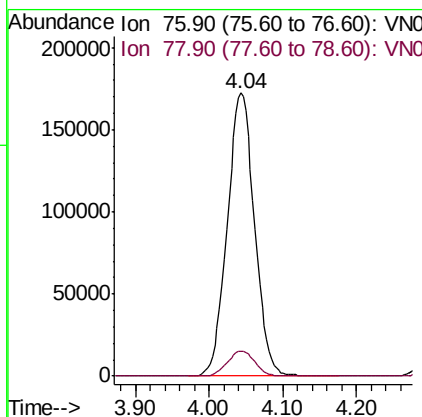
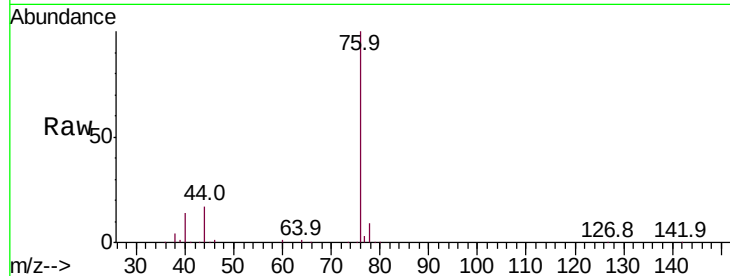
#17
Carbon Disulfide
Concen: 42.771 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

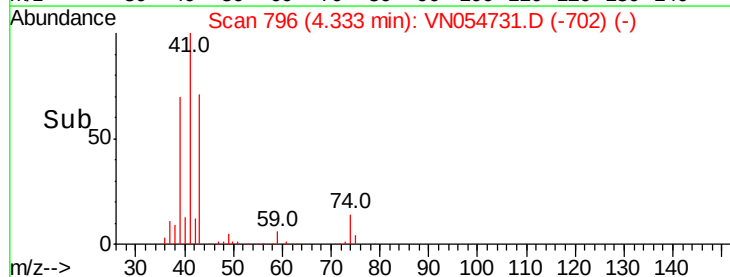
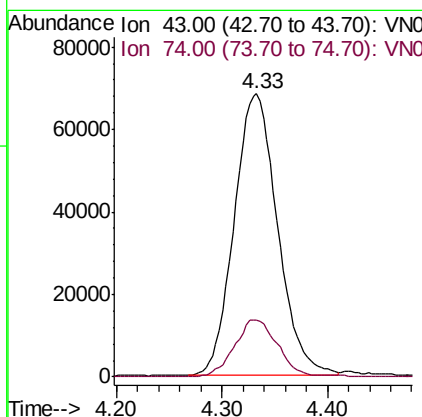
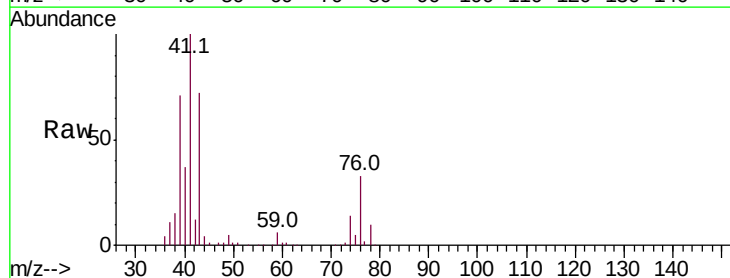
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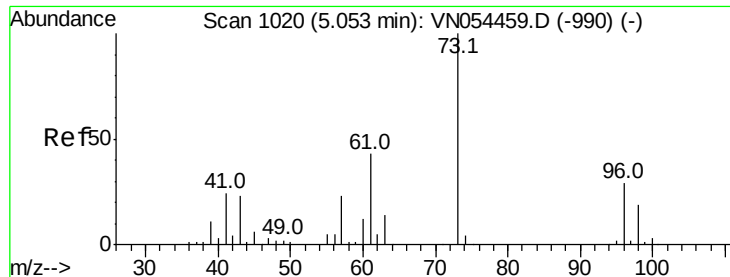
MMDadoda
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#18
Methyl Acetate
Concen: 58.549 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	20.8	31.2#





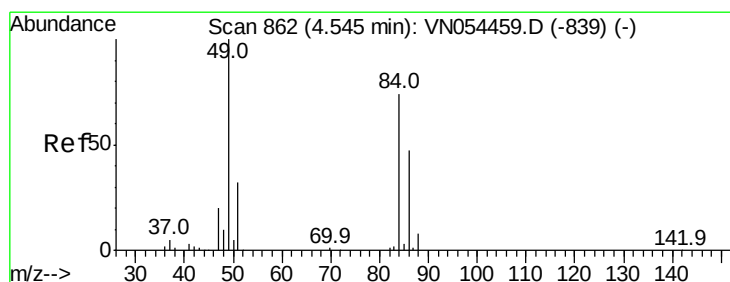
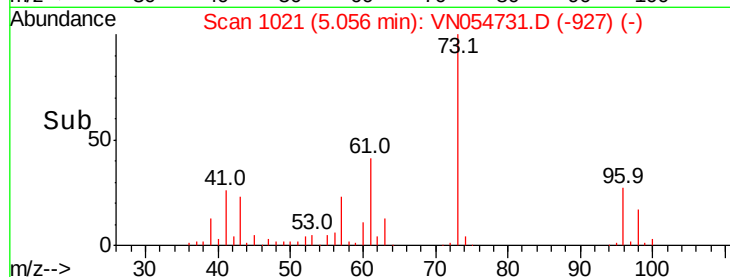
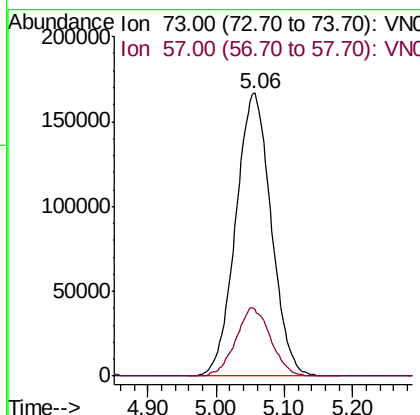
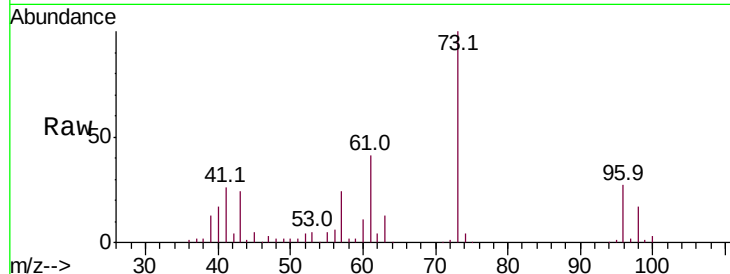
#19
Methyl tert-butyl Ether
Concen: 53.360 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 601228
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2

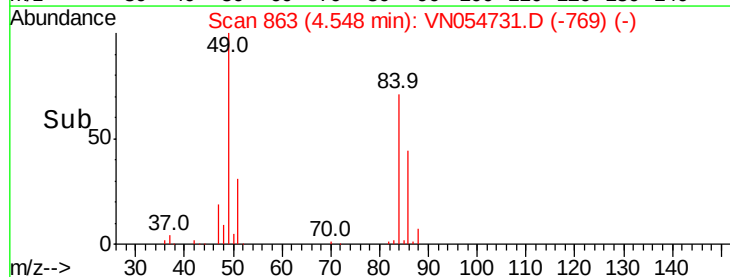
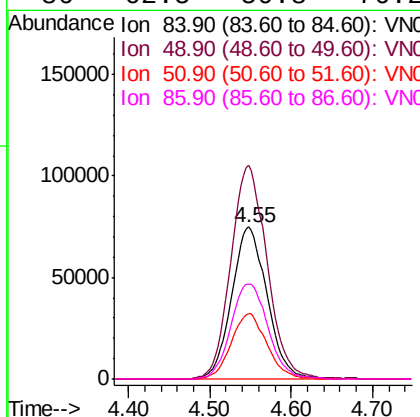
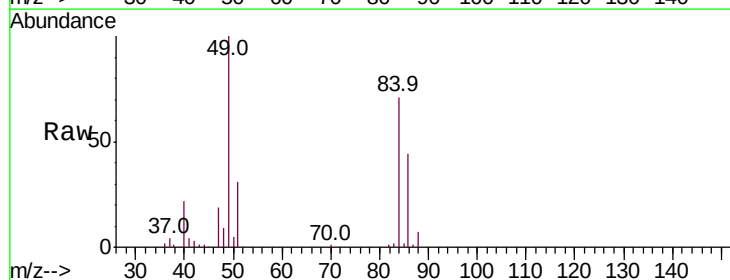
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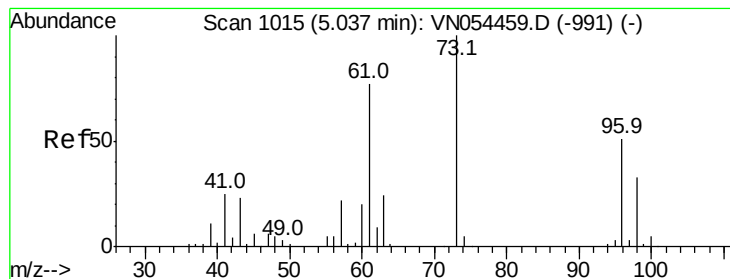
MMDadoda
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#20
Methylene Chloride
Concen: 51.251 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 84 Resp: 226139
Ion Ratio Lower Upper
84 100
49 140.7 89.7 134.5#
51 43.1 28.2 42.4#
86 62.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.037 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 205144

Ion Ratio Lower Upper

96 100

61 157.9 102.8 154.2#

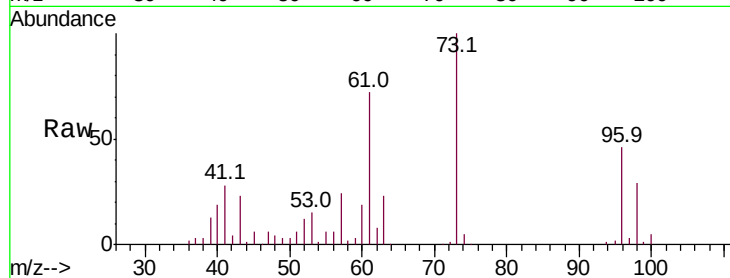
98 63.6 50.0 75.0

Manual Integrations

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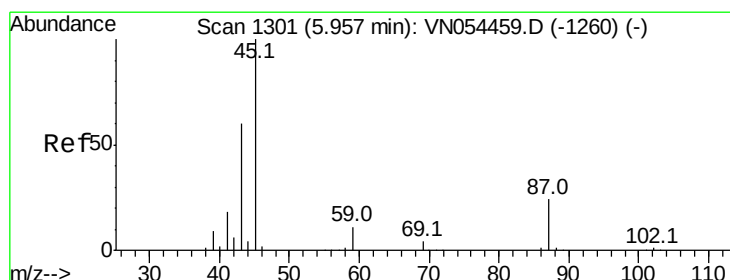
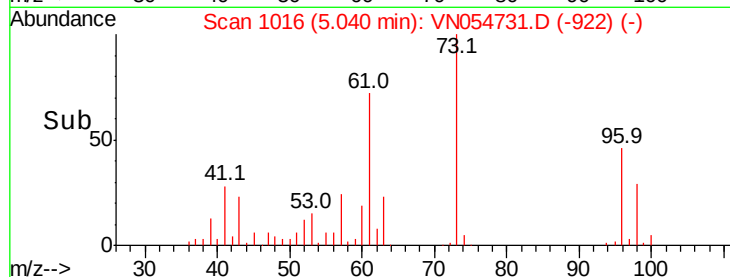
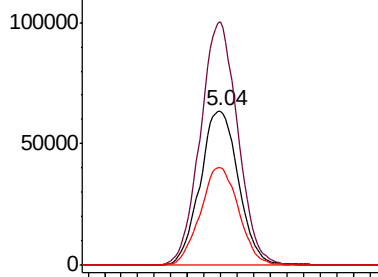


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 57.934 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion: 45 Resp: 830770

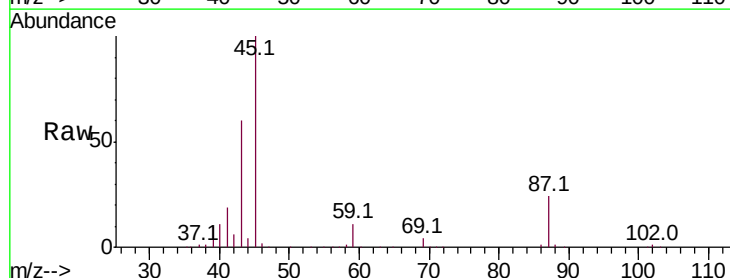
Ion Ratio Lower Upper

45 100

43 58.6 48.2 72.2

87 24.0 24.9 37.3#

59 10.4 9.5 14.3



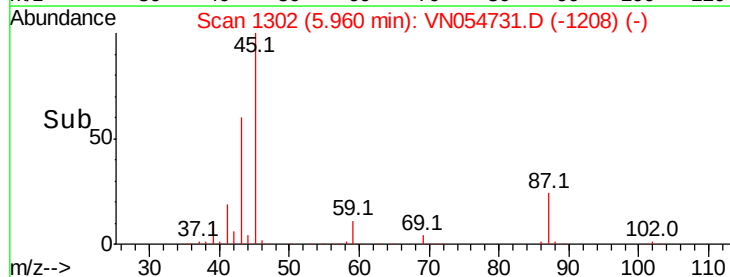
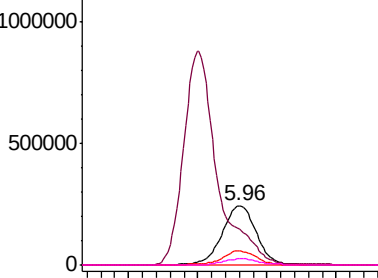
Abundance

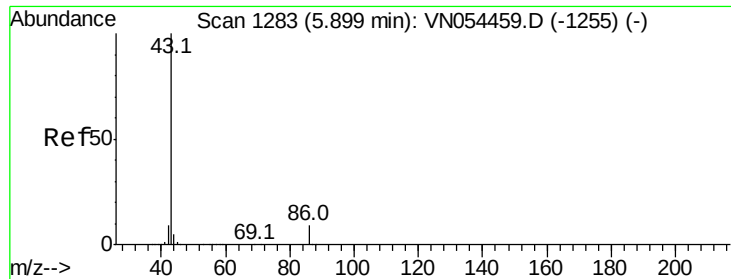
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 295.011 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2987831

Ion Ratio Lower Upper

43 100

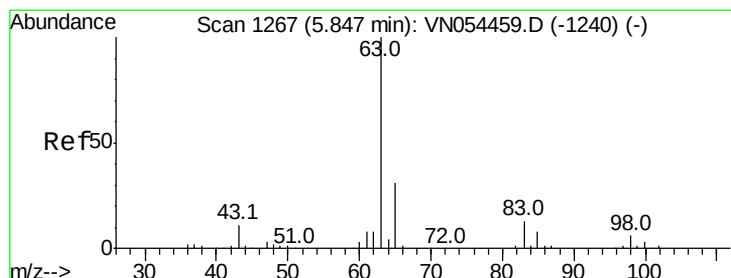
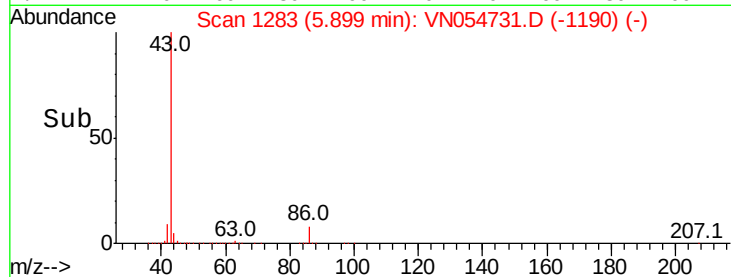
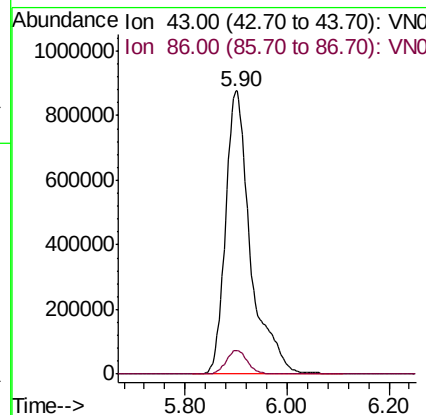
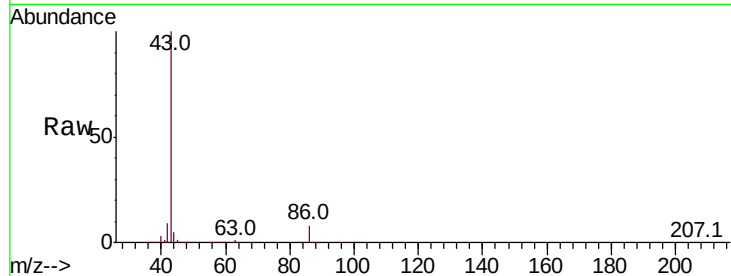
86 8.5 9.1 13.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.764 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

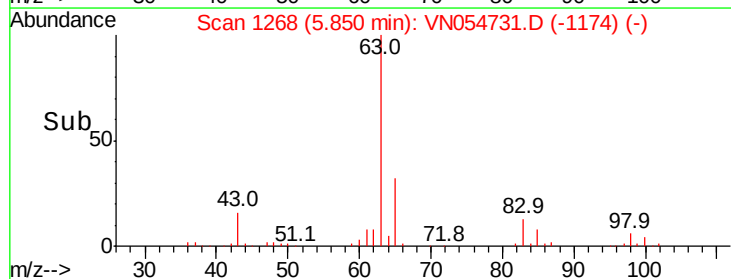
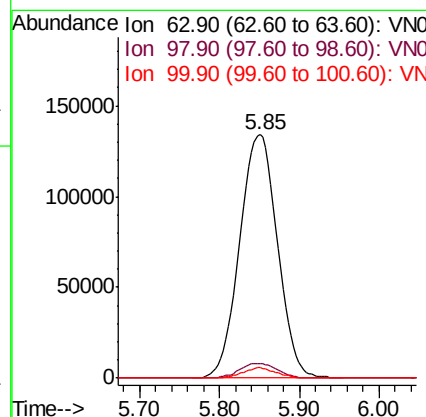
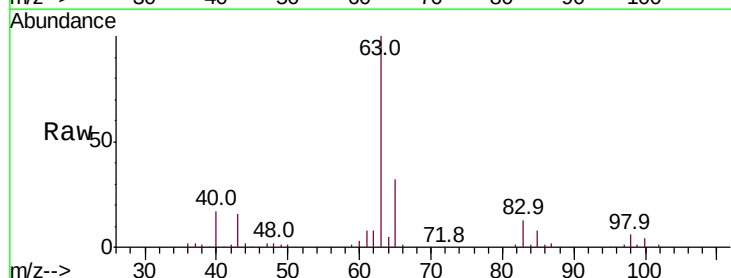
Tgt Ion: 63 Resp: 430560

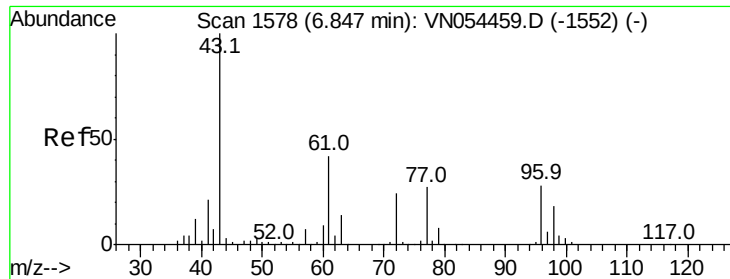
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.5

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 278.987 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 534946

Ion Ratio Lower Upper

43 100

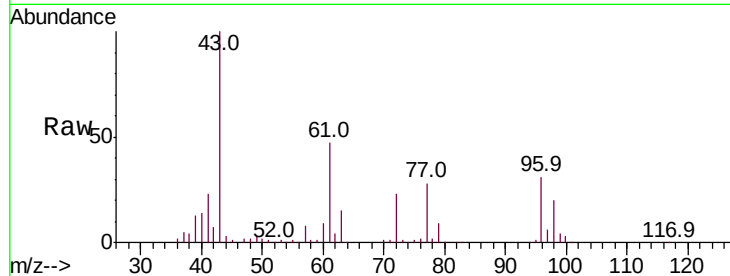
72 22.7 23.0 34.6#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

200000

150000

100000

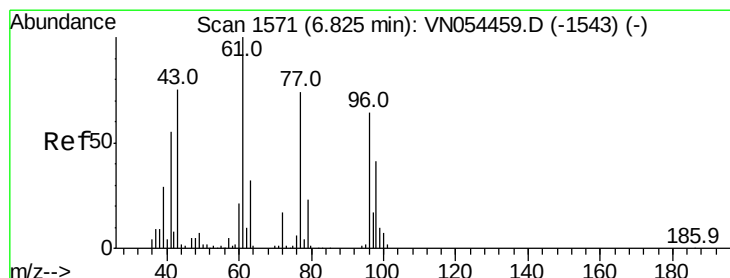
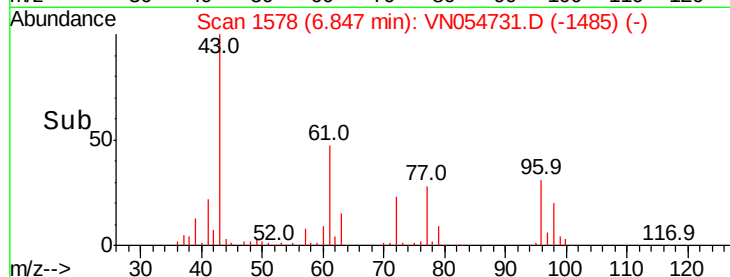
50000

0

6.70 6.80 6.90

6.85

Time-->



#26

2,2-Dichloropropane

Concen: 51.878 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054731.D

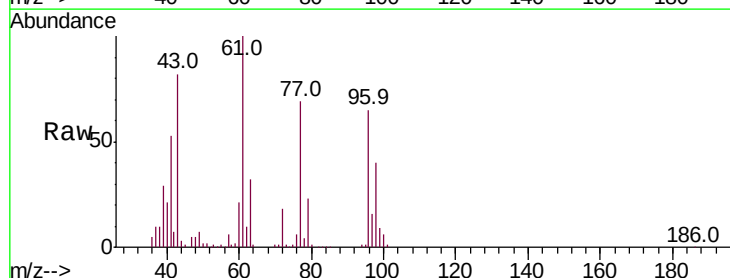
Acq: 27 Mar 2019 19:14

Tgt Ion: 77 Resp: 285532

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

40000

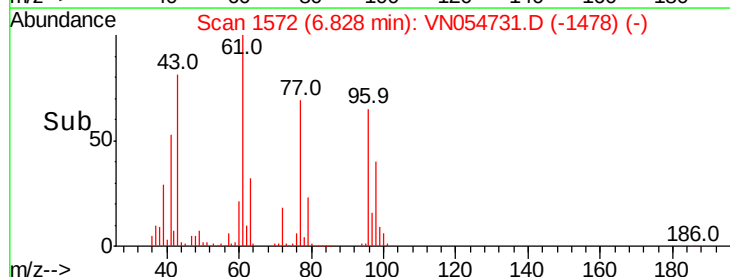
20000

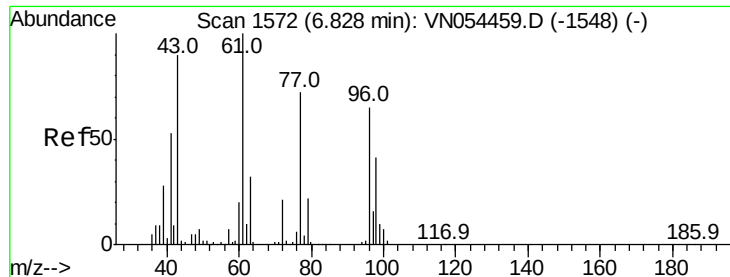
0

6.70 6.80 6.90

6.83

Time-->





#27

cis-1,2-Dichloroethene

Concen: 53.082 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

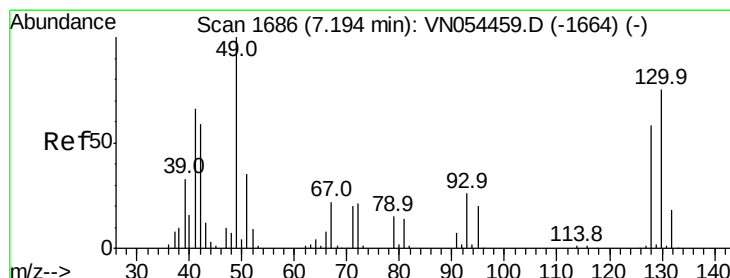
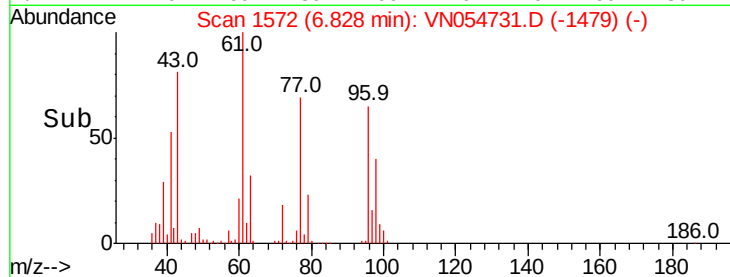
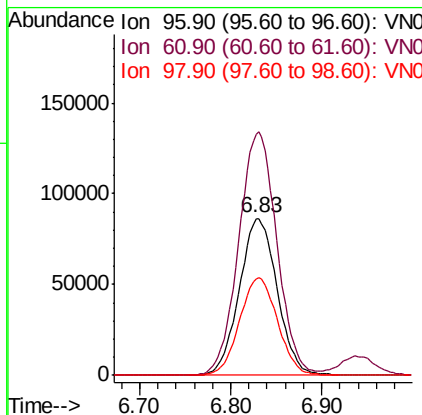
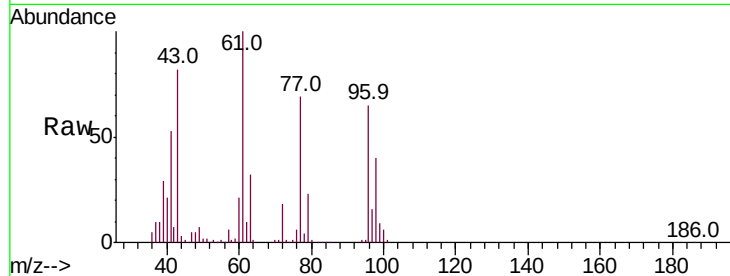
ClientSampled :

VSTDCCC050EC

Tot Ion:	96	Resp:	249604
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	273.0
98	62.5	0.0	130.6

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#28

Bromochloromethane

Concen: 57.637 ug/l

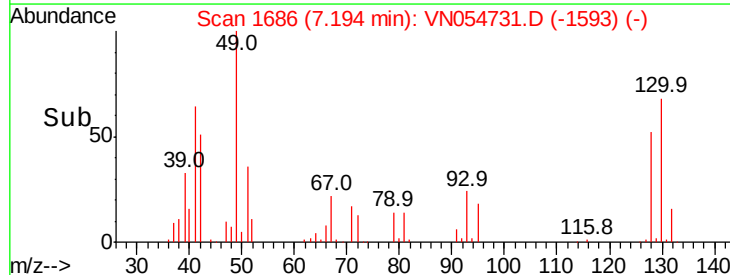
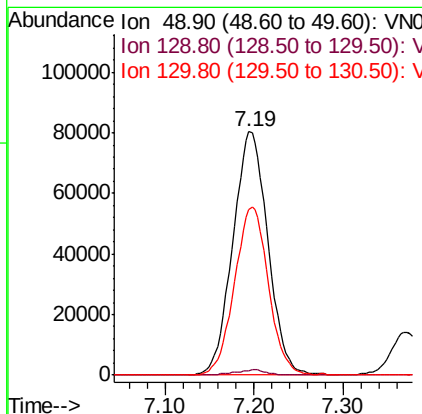
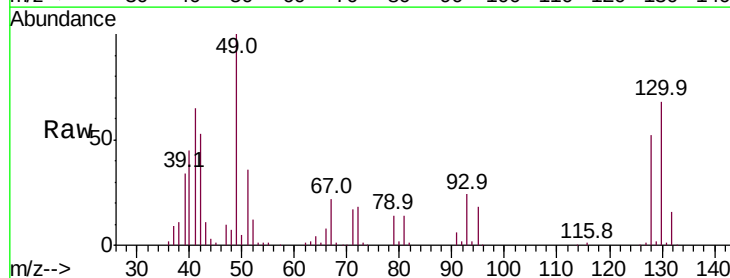
RT: 7.19 min Scan# 1686

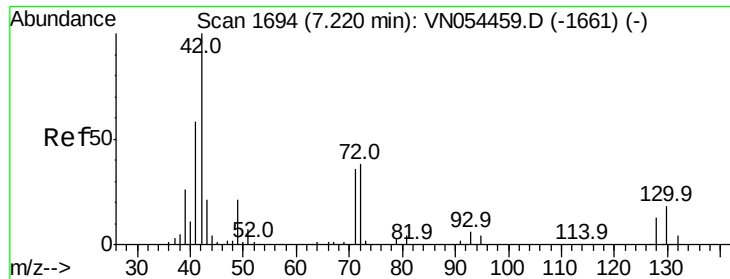
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	49	Resp:	219048
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	66.9	76.7	115.1#





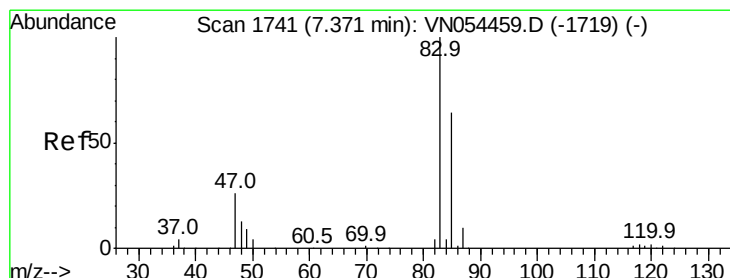
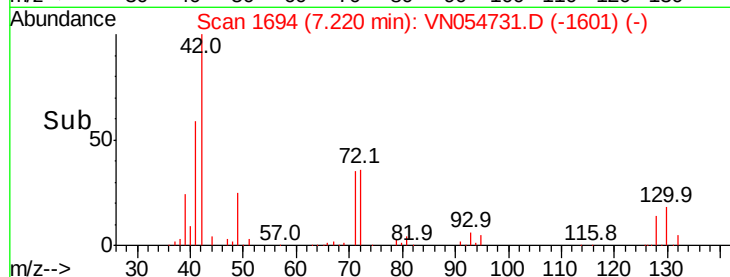
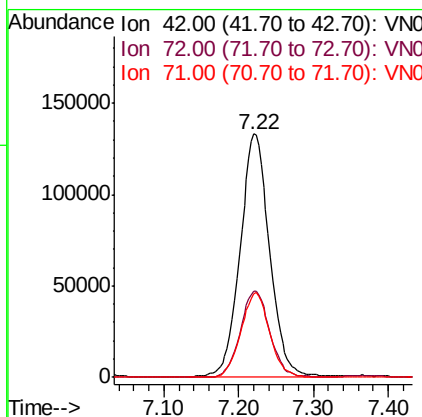
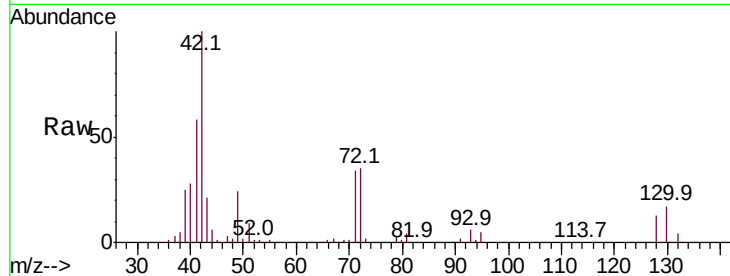
#29
Tetrahydrofuran
Concen: 290.963 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	37.8	56.6#
71	34.2	36.2	54.2#

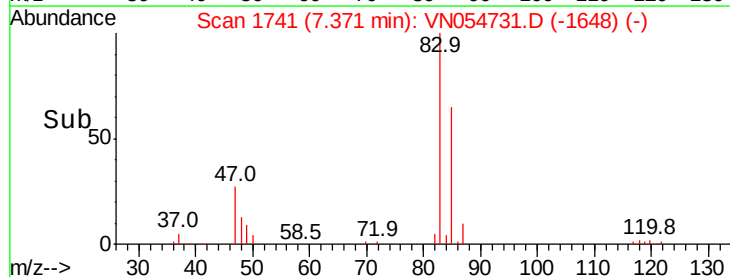
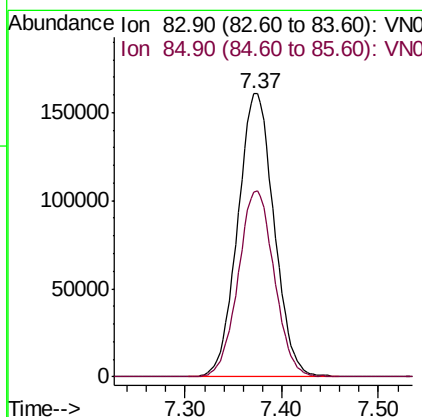
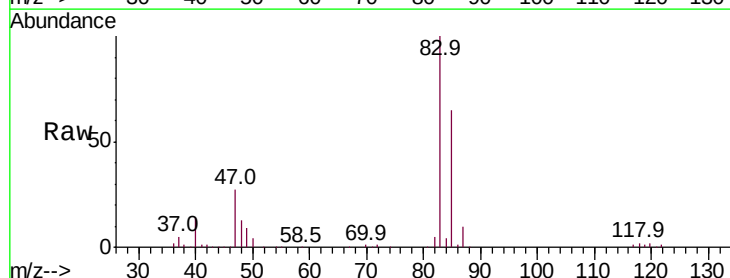
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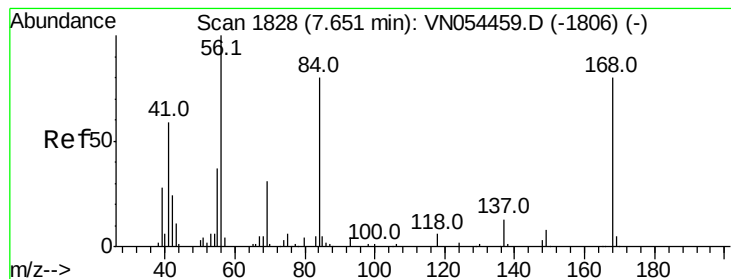
MMDadoda
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#30
Chloroform
Concen: 55.576 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4





#31

Cyclohexane

Concen: 52.145 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 385202

Ion Ratio Lower Upper

56 100

69 29.8 27.8 41.6

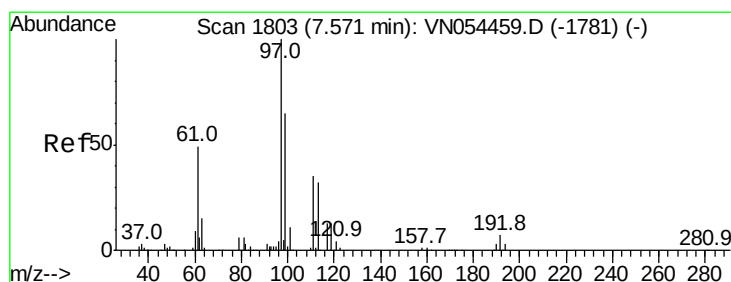
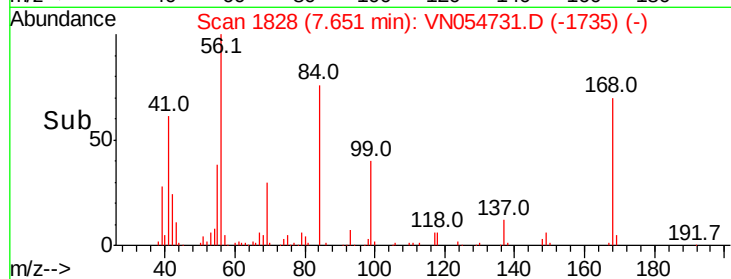
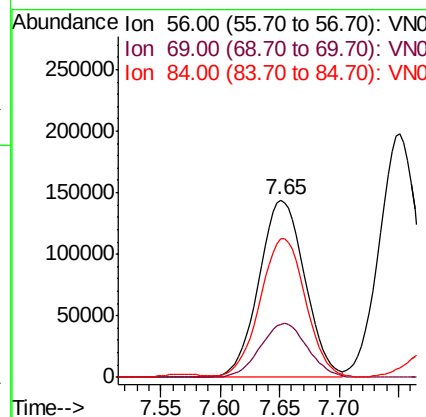
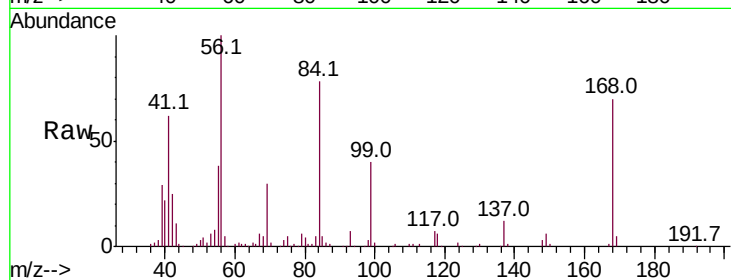
84 76.8 74.6 111.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 55.808 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

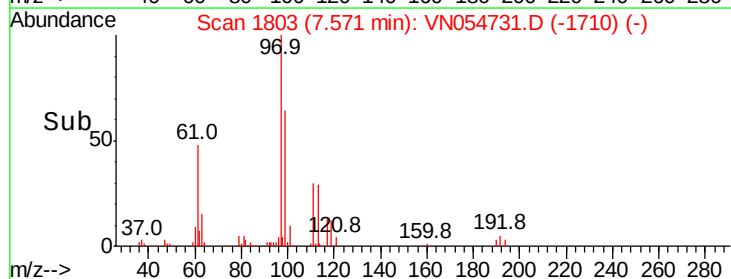
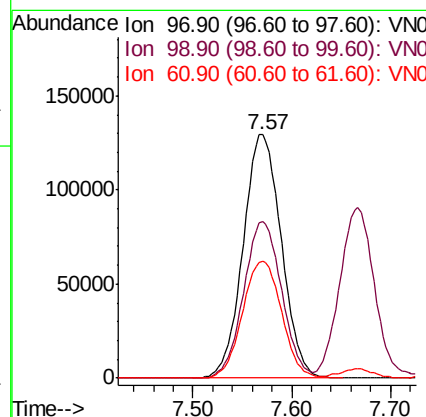
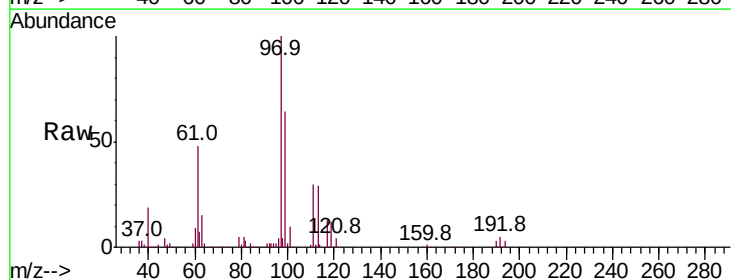
Tgt Ion: 97 Resp: 346930

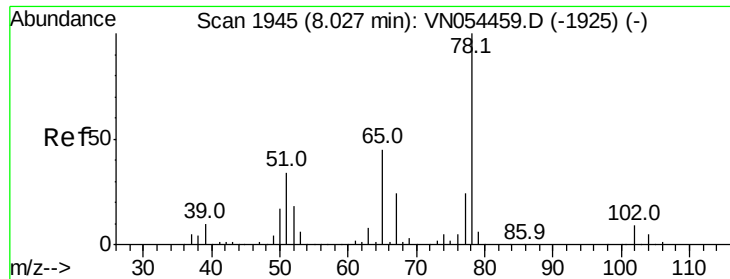
Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

61 49.1 33.6 50.4





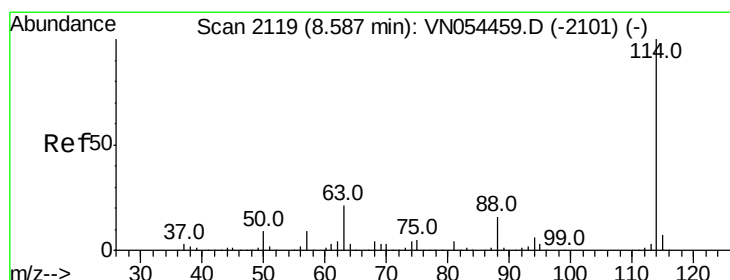
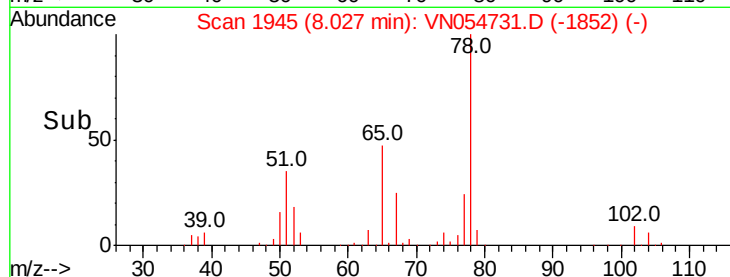
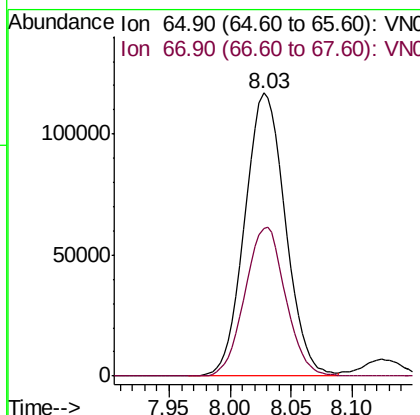
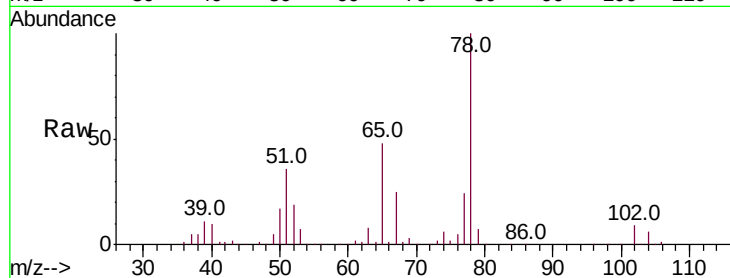
#33
 1,2-Dichloroethane-d4
 Concen: 54.198 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	269836		
67	52.5	0.0	104.6	

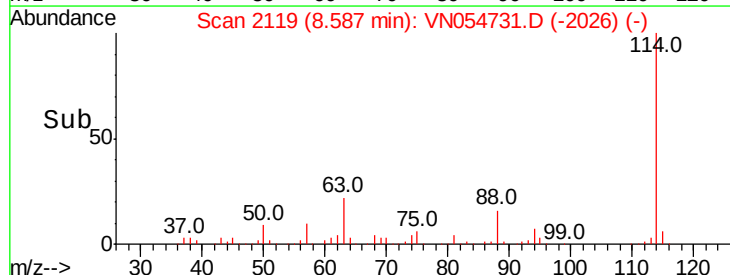
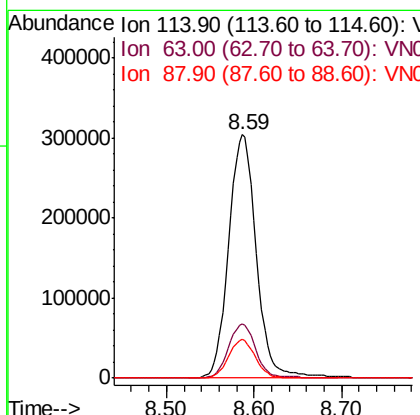
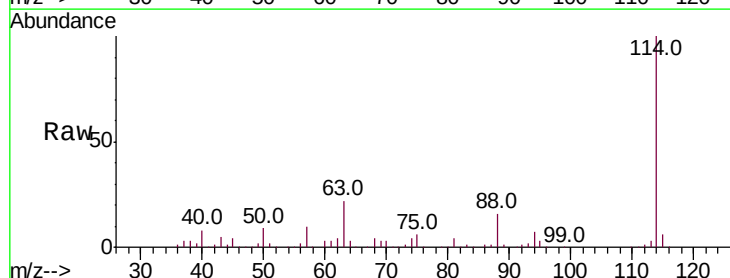
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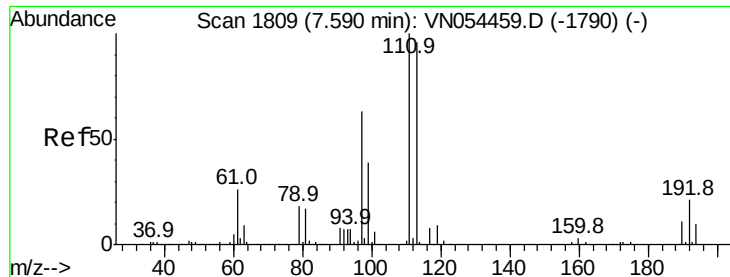
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	668287		
63	22.2	0.0	35.2	
88	15.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.051 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

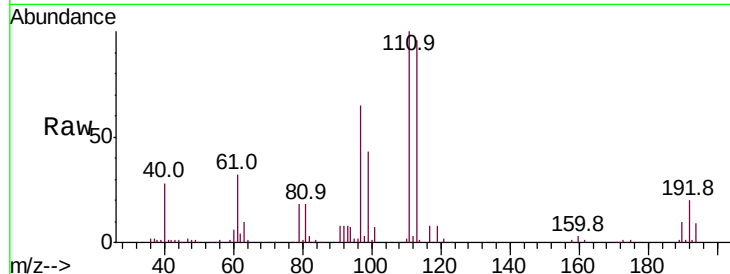
ClientSampleId :

VSTDCCC050EC

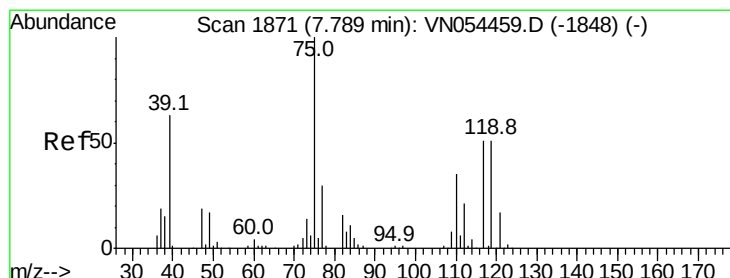
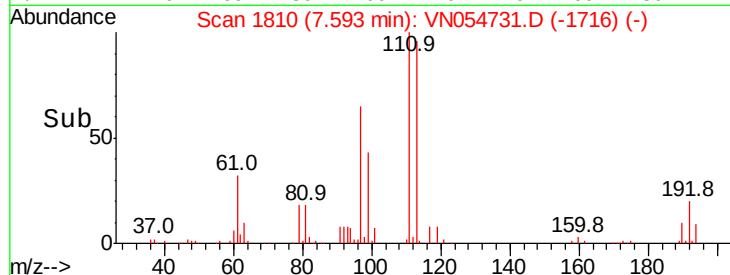
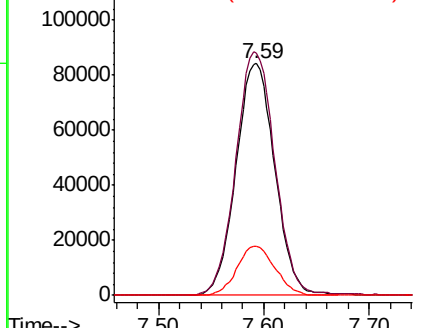
Tot Ion:	113	Resp:	215492
Ion Ratio	Lower	Upper	
113	100		
111	106.0	82.2	123.4
192	20.8	19.2	28.8

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.585 ug/l

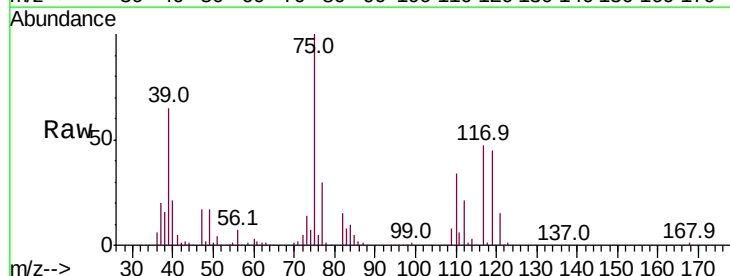
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

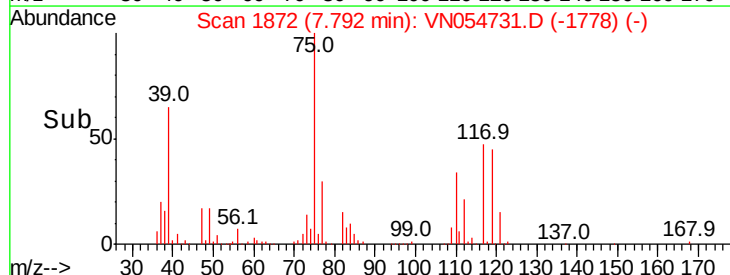
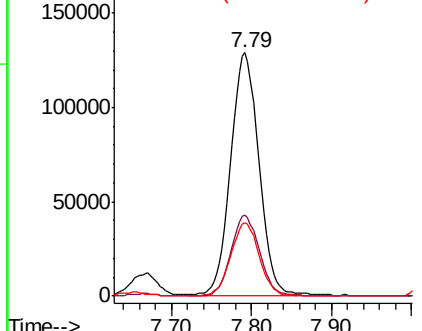
Lab File: VN054731.D

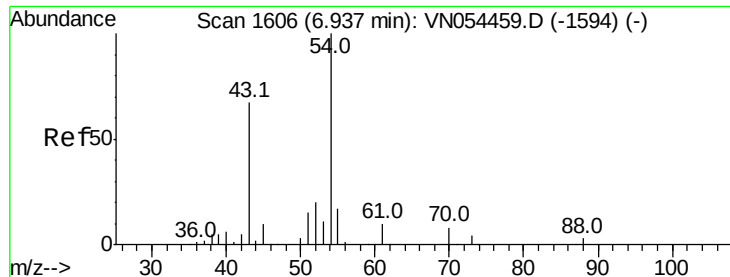
Acq: 27 Mar 2019 19:14

Tgt Ion:	75	Resp:	309832
Ion Ratio	Lower	Upper	
75	100		
110	33.4	19.1	57.5
77	30.4	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 52.702 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

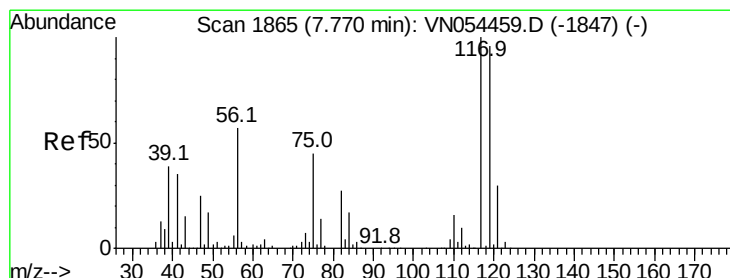
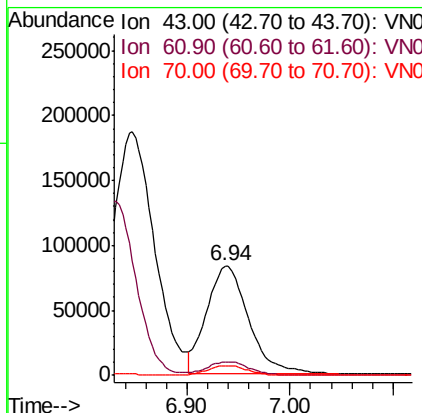
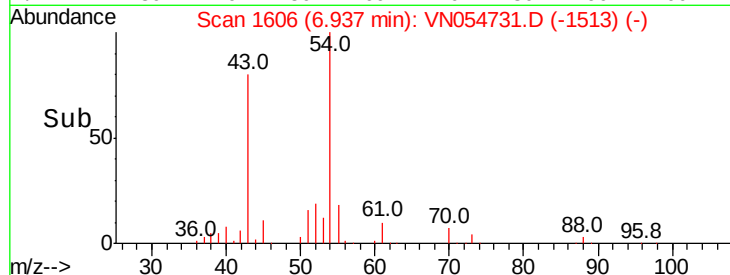
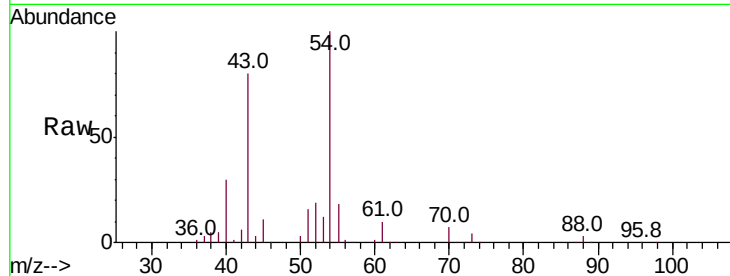
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	234218
Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.8	17.6
70	8.9	8.4	12.6

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#38

Carbon Tetrachloride

Concen: 49.294 ug/l

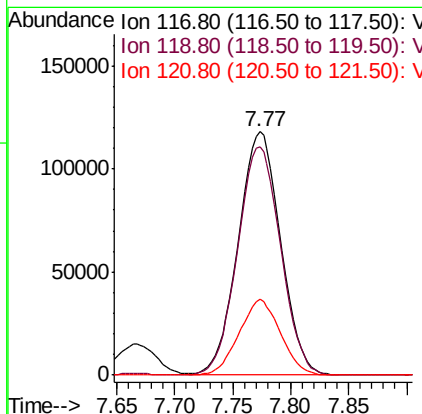
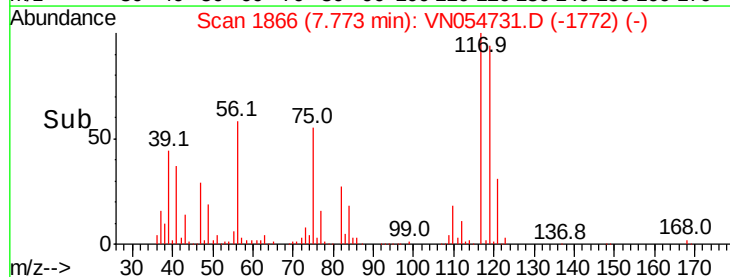
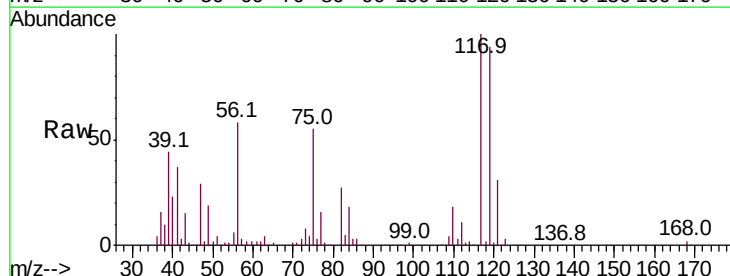
RT: 7.77 min Scan# 1866

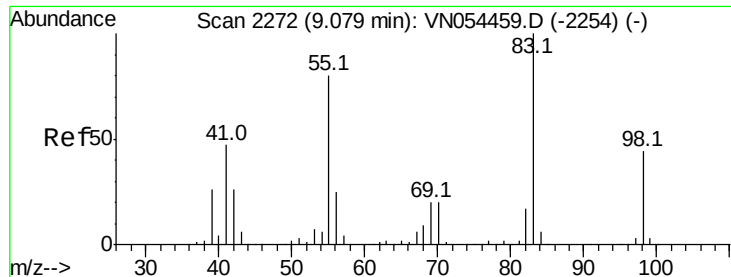
Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	117	Resp:	299320
Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.3	114.5
121	31.2	24.6	36.8





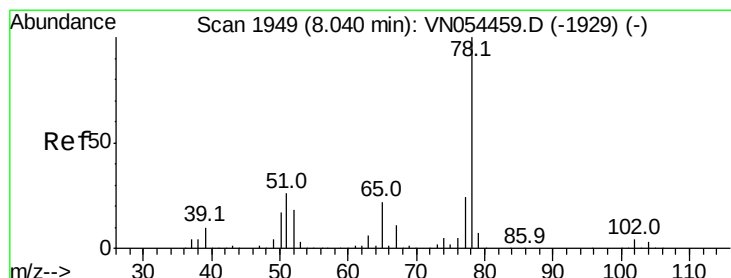
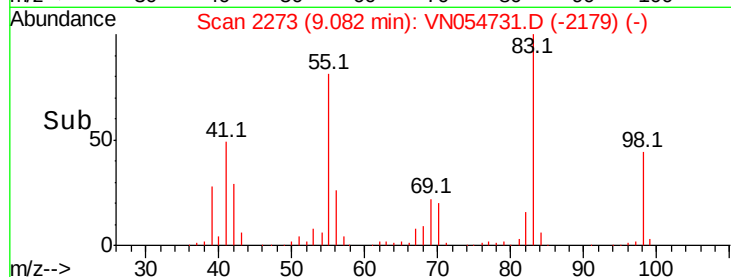
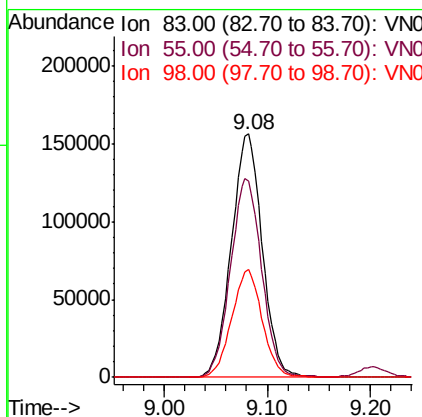
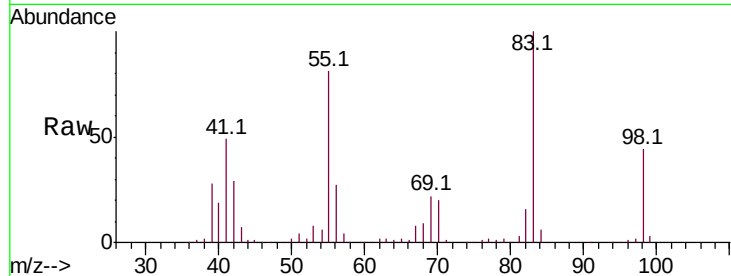
#39
Methylvlcyclohexane
Concen: 45.644 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	56.6	84.8
98	44.2	38.4	57.6

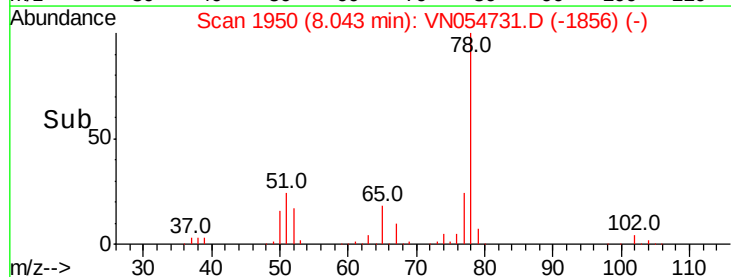
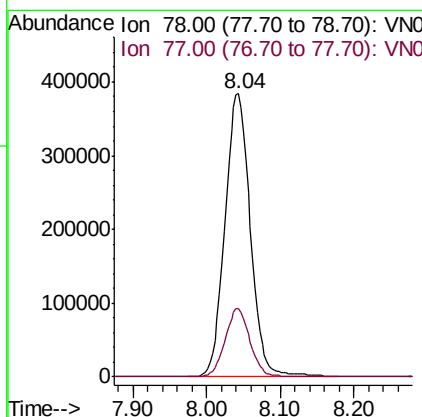
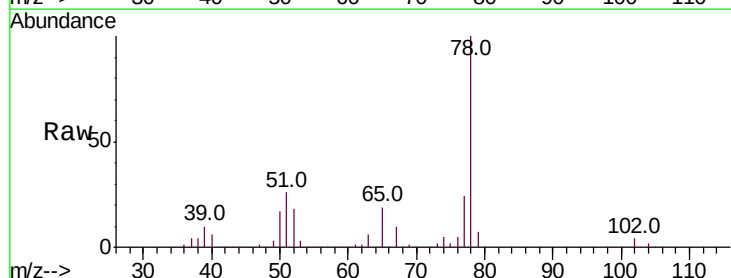
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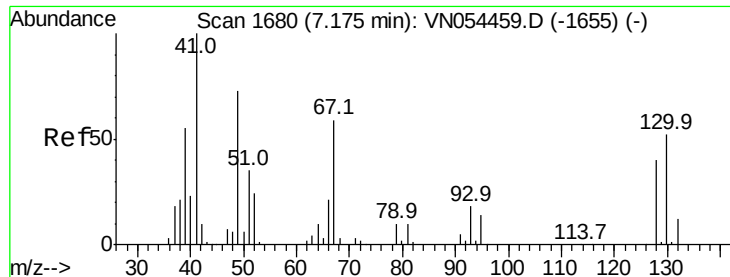
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#40
Benzene
Concen: 51.499 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





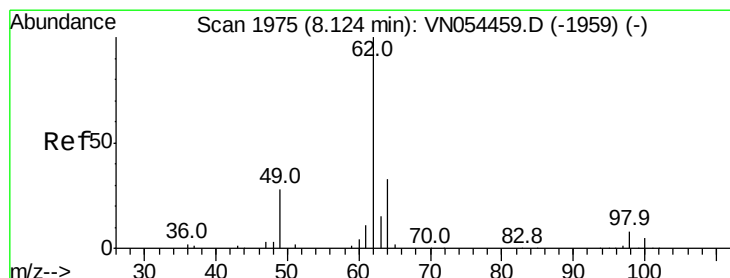
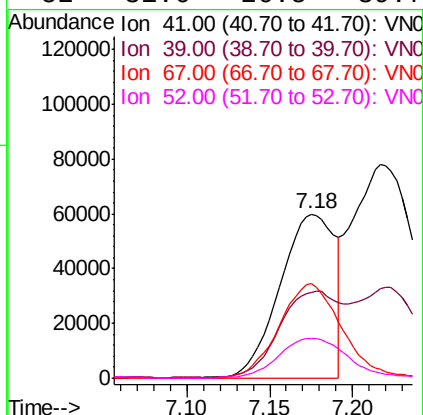
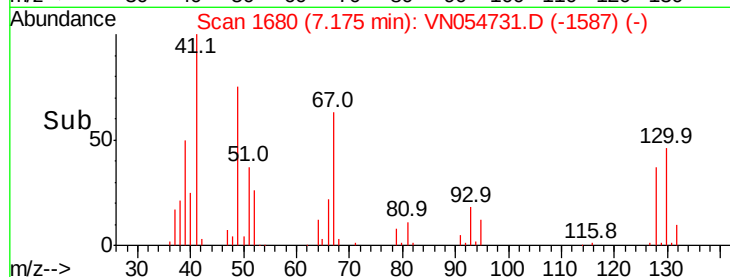
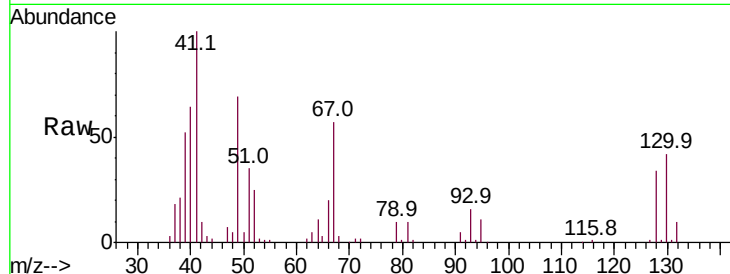
#41
Methacrylonitrile
Concen: 50.769 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.2	46.8	70.2	
67	66.6	67.0	100.4	
52	31.6	26.5	39.7	

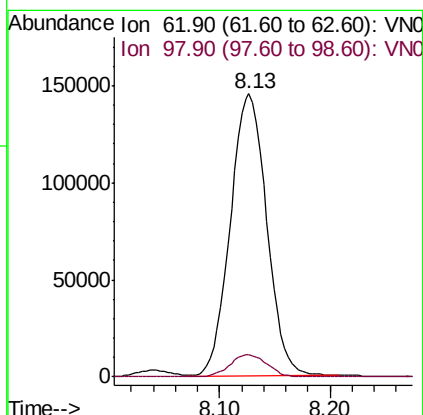
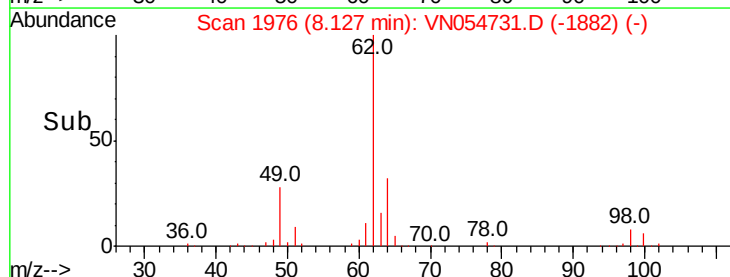
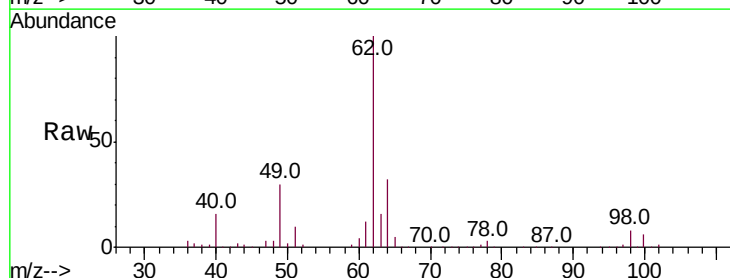
Manual Integrations
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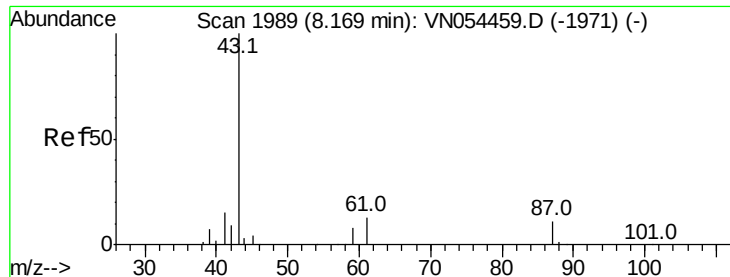
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.144 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	18.4	





#43

Isopropyl Acetate

Concen: 56.445 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

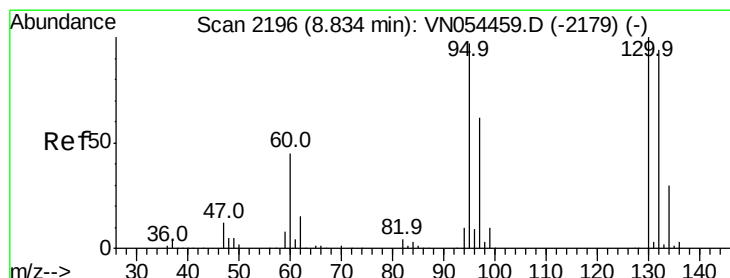
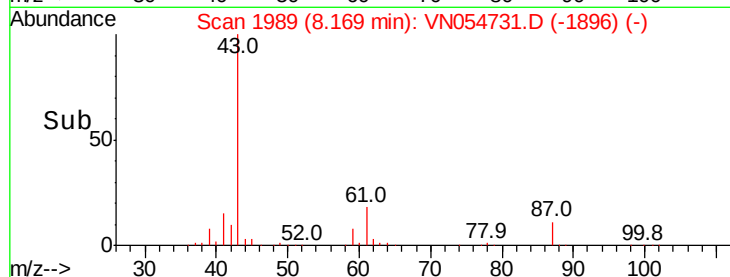
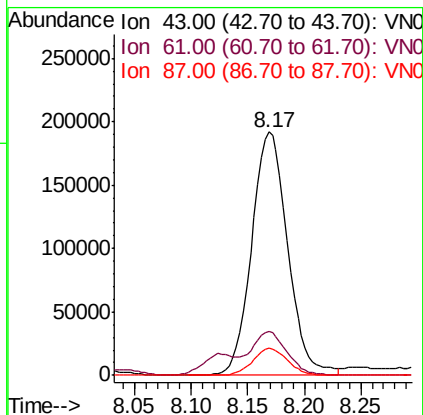
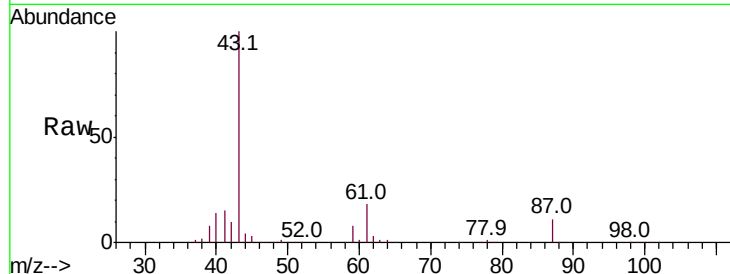
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	423654
Ion	Ratio	Lower	Upper
43	100		
61	16.8	15.8	23.8
87	10.9	12.0	18.0#

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#44

Trichloroethene

Concen: 47.738 ug/l

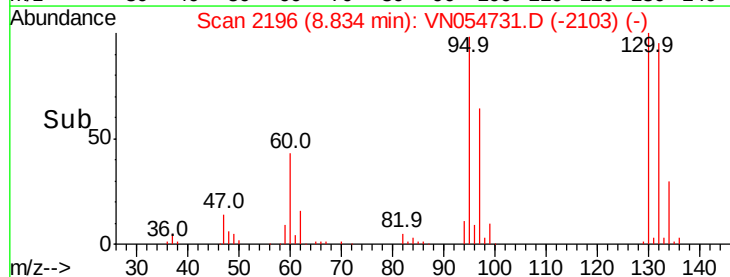
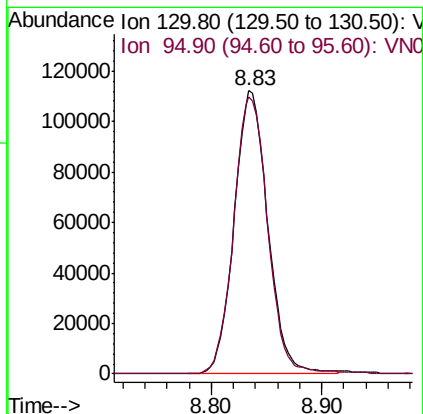
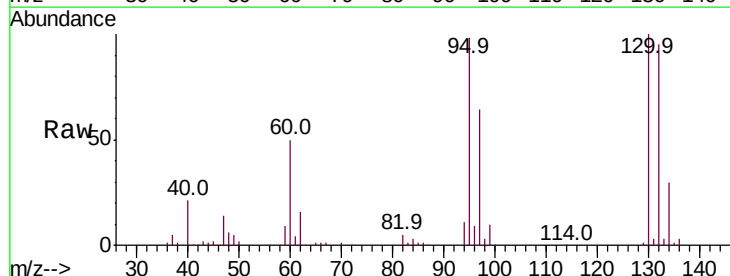
RT: 8.83 min Scan# 2196

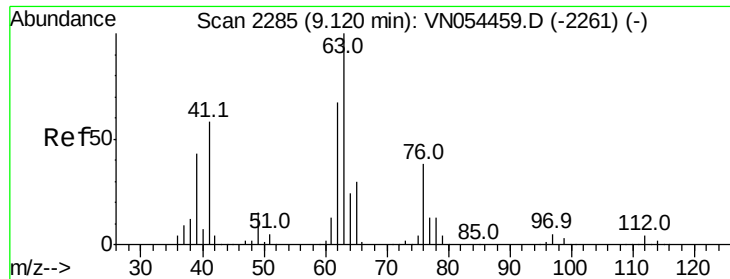
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	130	Resp:	237146
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	185.2





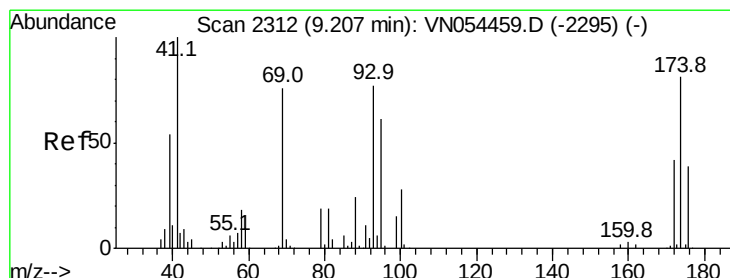
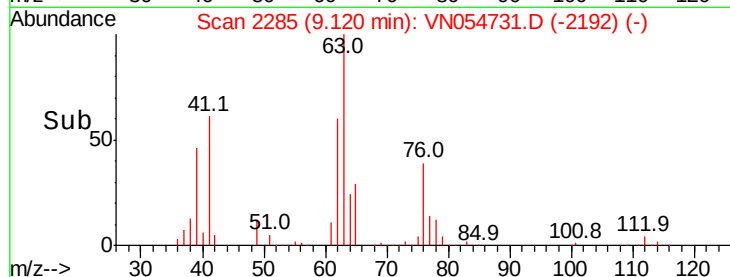
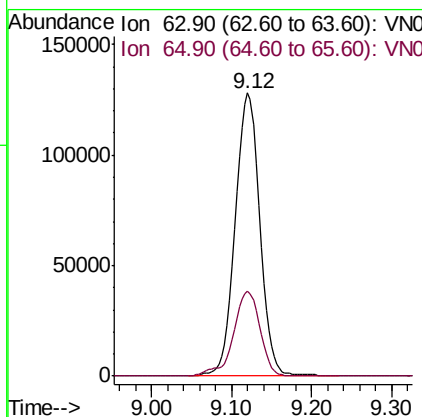
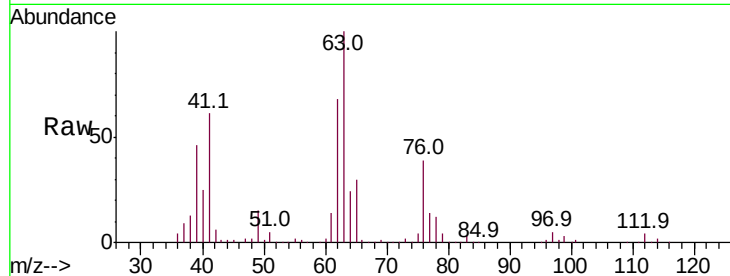
#45
 1,2-Dichloropropane
 Concen: 55.200 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 264844
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

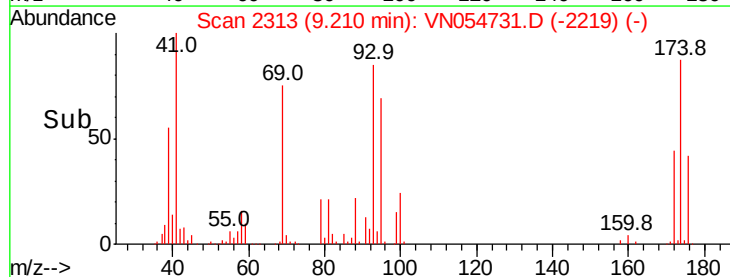
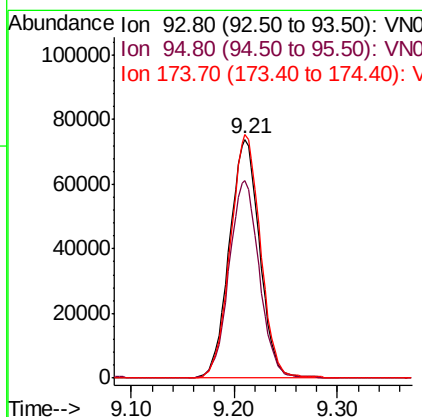
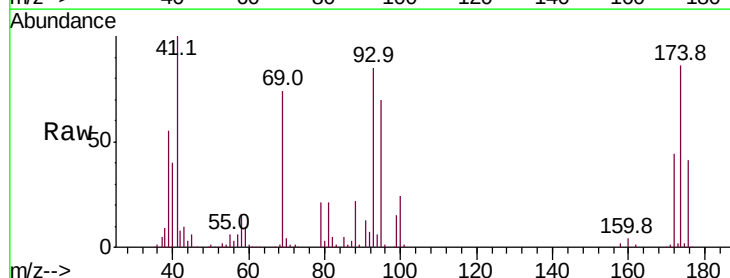
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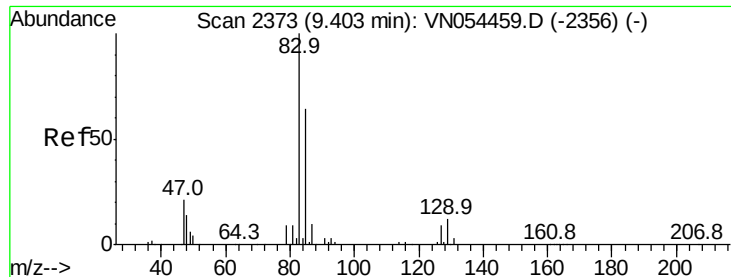
MMDadoda
 3/28/2019 12:44:49 PM



#46
 Dibromomethane
 Concen: 52.805 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion: 93 Resp: 151145
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 101.4 98.5 147.7





#47

Bromodichloromethane

Concen: 53.760 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

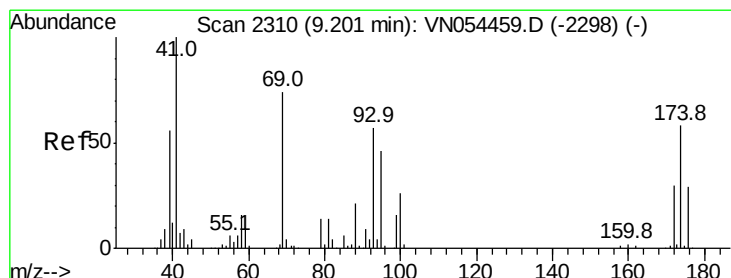
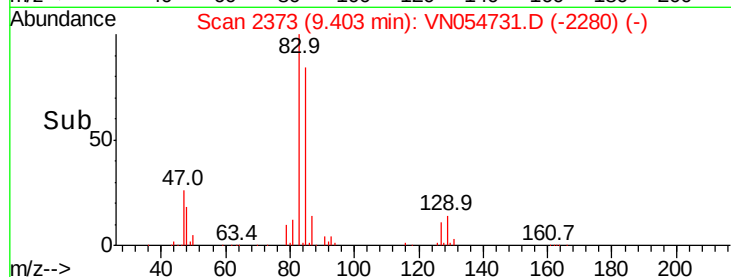
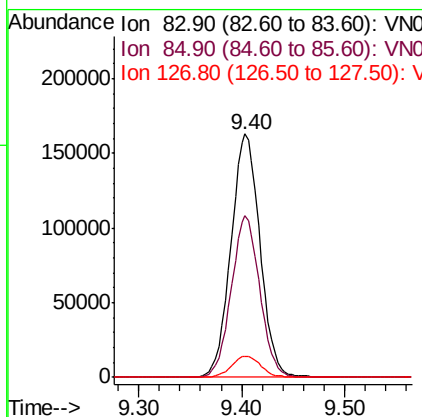
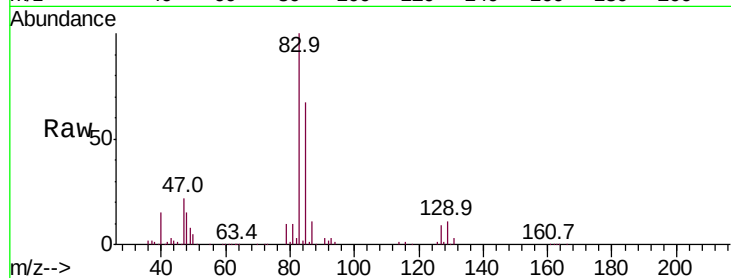
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	319352
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.8	79.2
127	8.5	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.251 ug/l

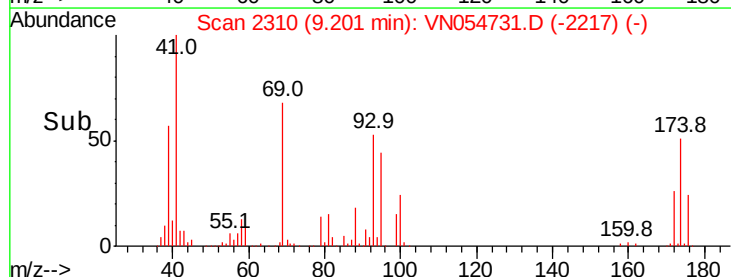
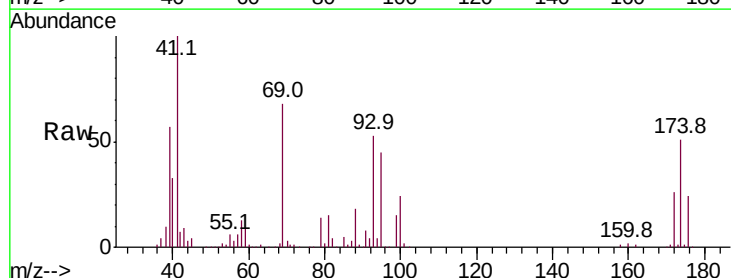
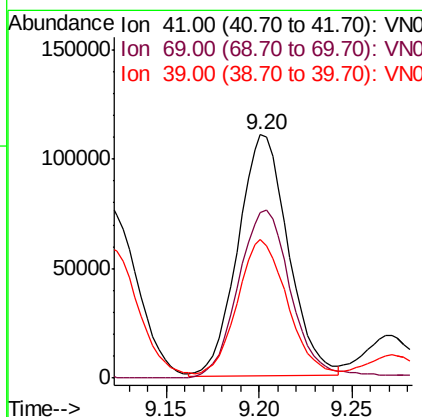
RT: 9.20 min Scan# 2310

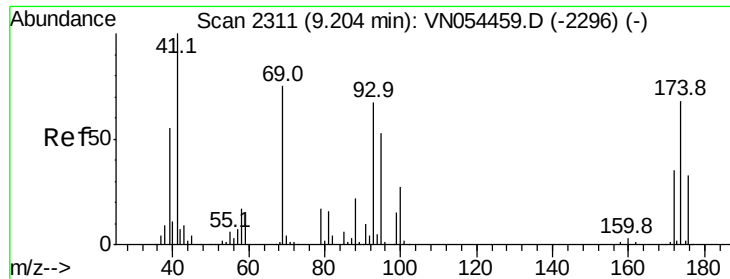
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	41	Resp:	208784
Ion	Ratio	Lower	Upper
41	100		
69	73.6	72.6	108.8
39	56.6	47.5	71.3





#49

1,4-Dioxane

Concen: 932.542 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 42470

Ion Ratio Lower Upper

88 100

43 42.7 24.1 36.1#

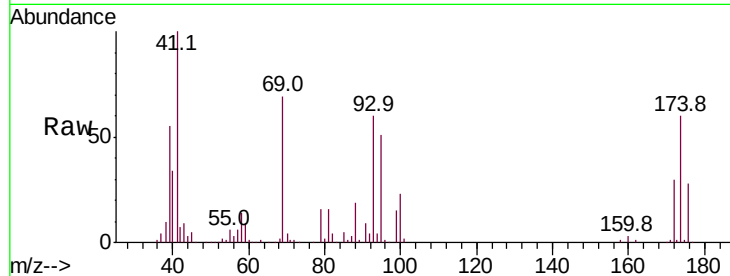
58 74.6 50.8 76.2

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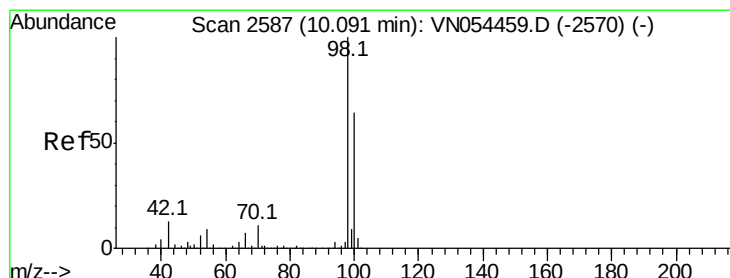
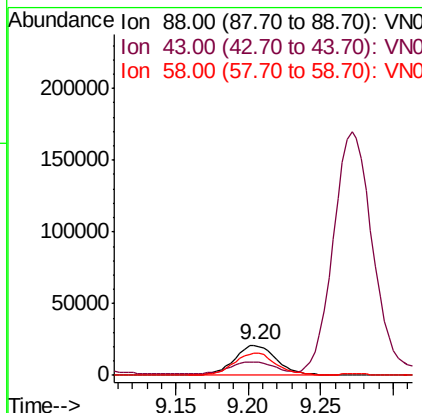
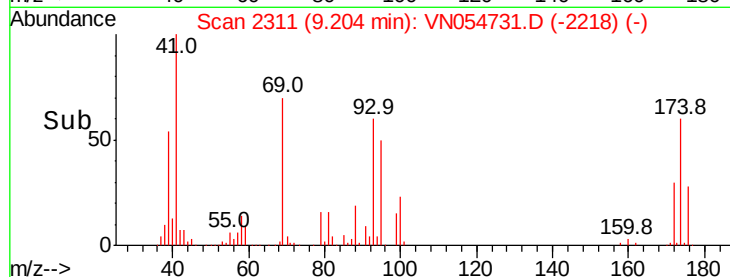


Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)

Time-->



#50

Toluene-d8

Concen: 48.634 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054731.D

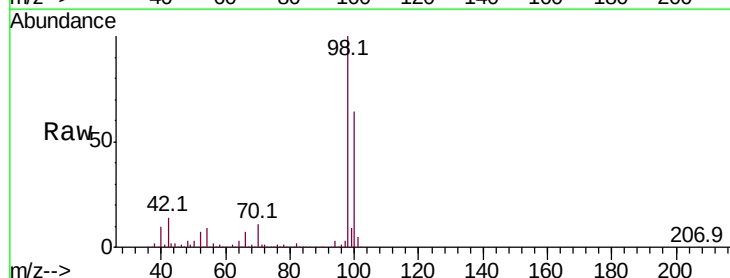
Acq: 27 Mar 2019 19:14

Tgt Ion: 98 Resp: 787173

Ion Ratio Lower Upper

98 100

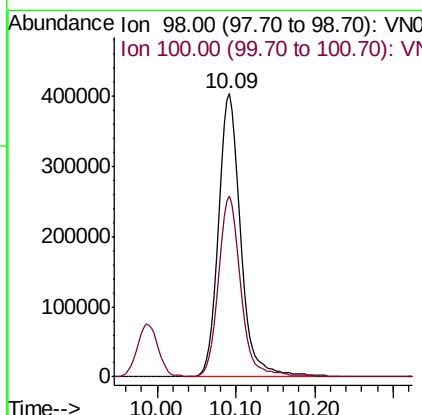
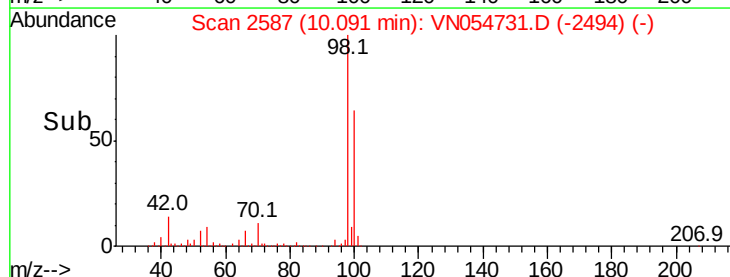
100 63.7 51.2 76.8

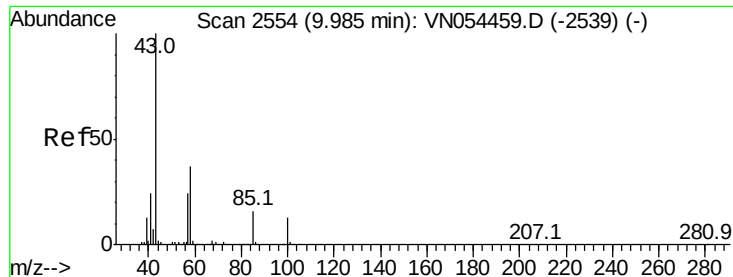


Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 284.195 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1182145

Ion Ratio Lower Upper

43 100

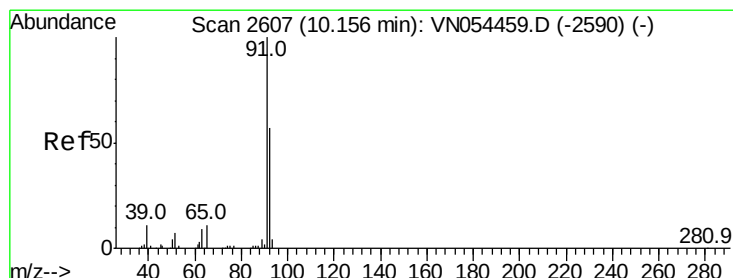
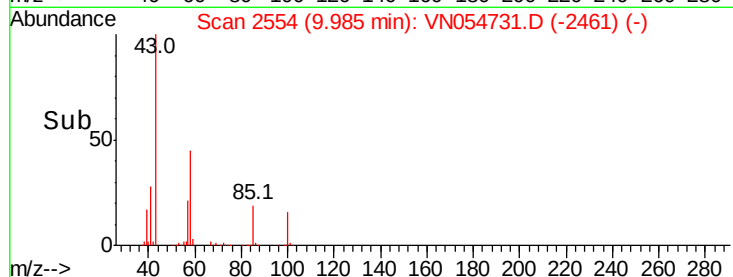
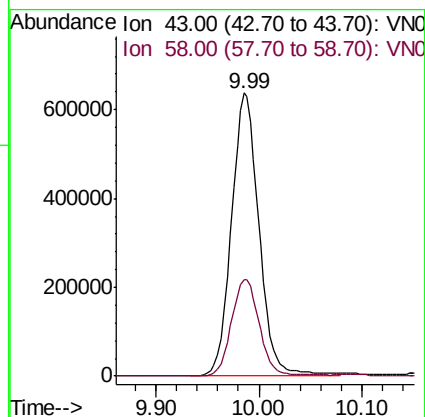
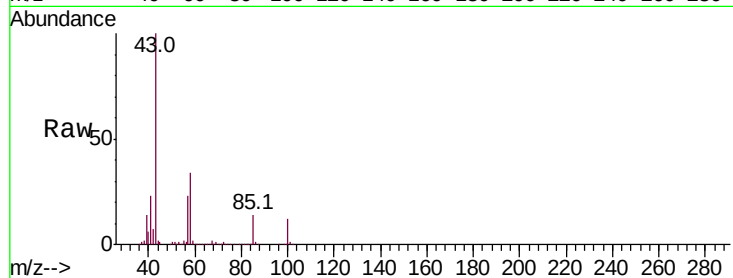
58 35.1 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 49.669 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054731.D

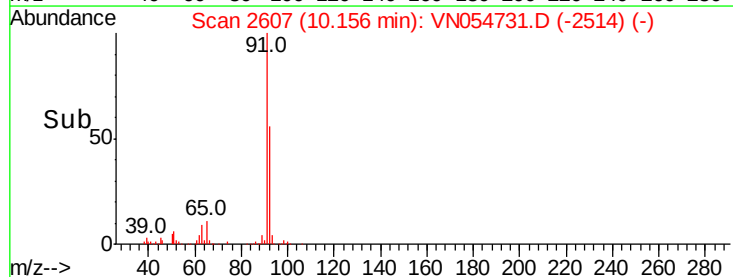
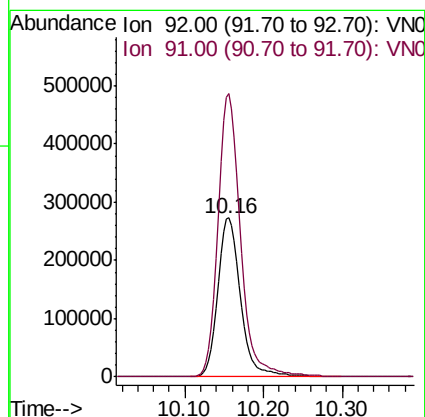
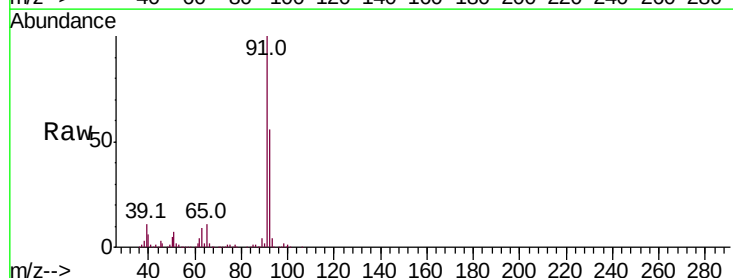
Acq: 27 Mar 2019 19:14

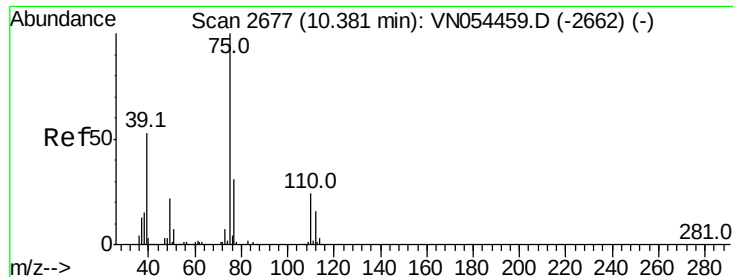
Tgt Ion: 92 Resp: 545850

Ion Ratio Lower Upper

92 100

91 176.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 48.796 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 305426

Ion Ratio Lower Upper

75 100

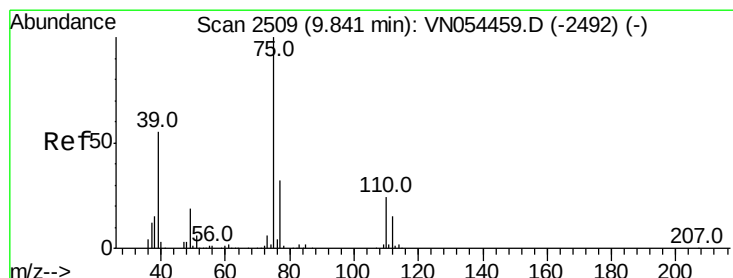
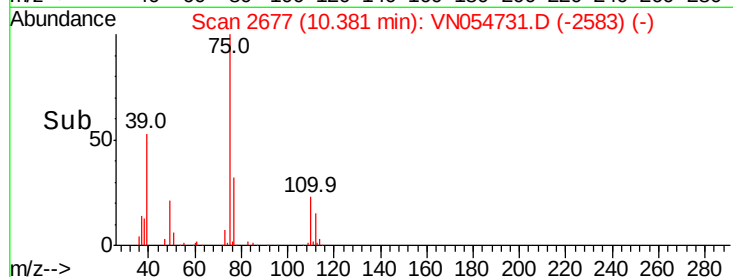
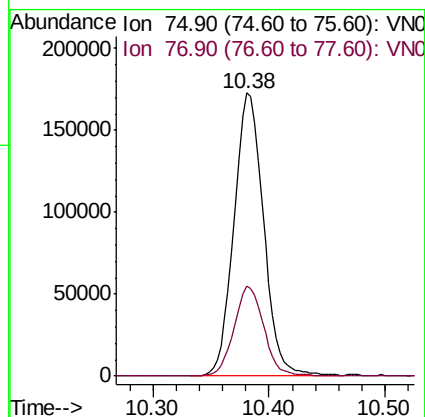
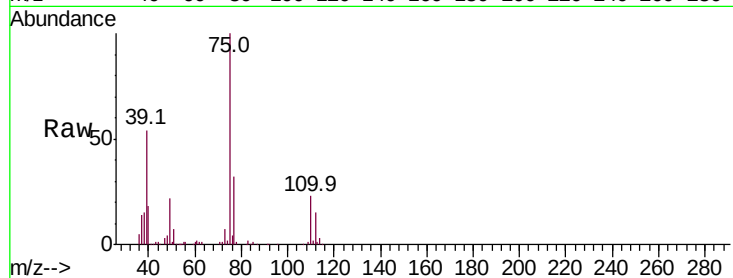
77 31.5 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.040 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

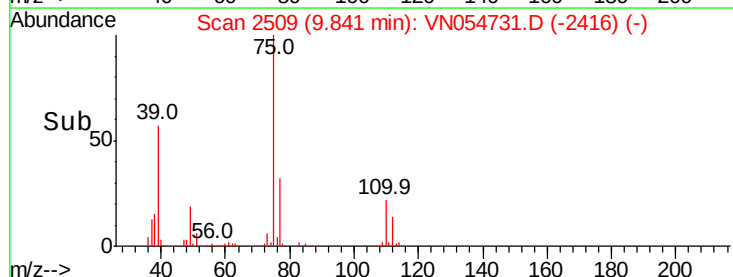
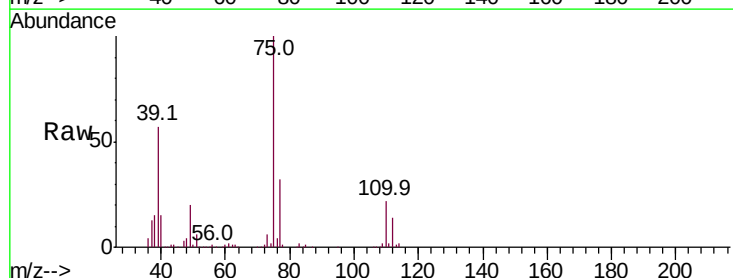
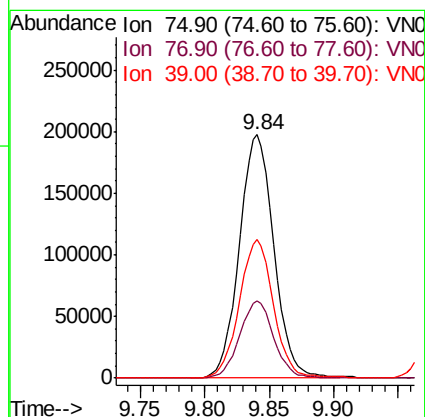
Tgt Ion: 75 Resp: 368077

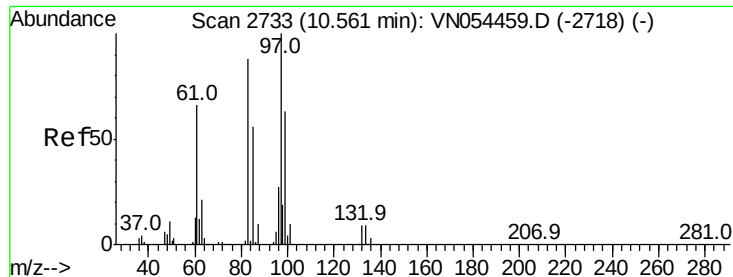
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 56.5 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 53.163 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

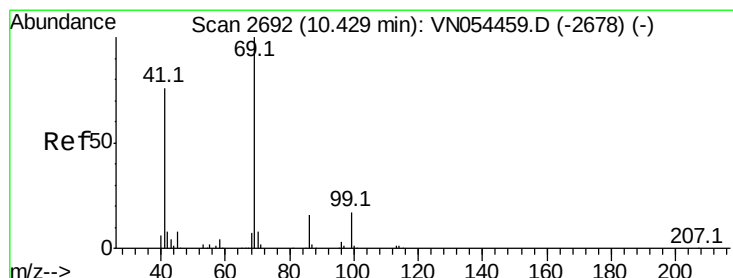
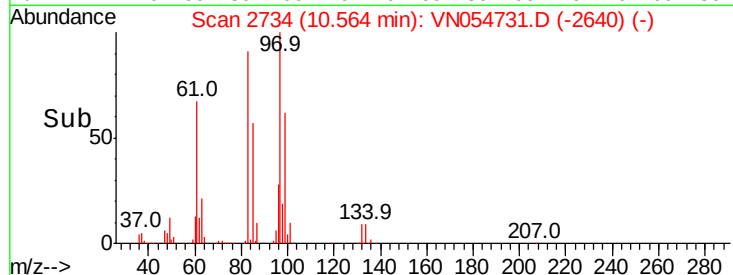
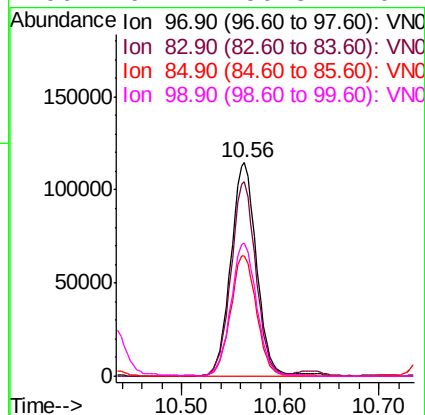
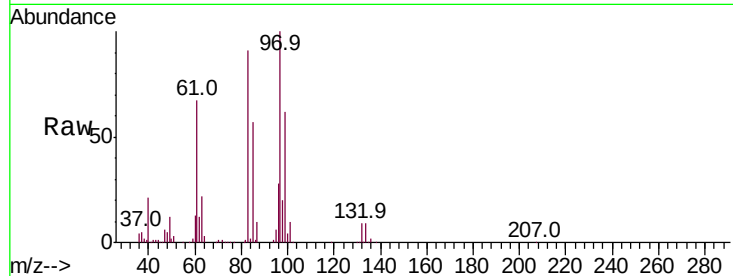
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	210012
Ion	Ratio	Lower	Upper
97	100		
83	90.8	66.6	100.0
85	56.6	44.4	66.6
99	62.2	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.613 ug/l

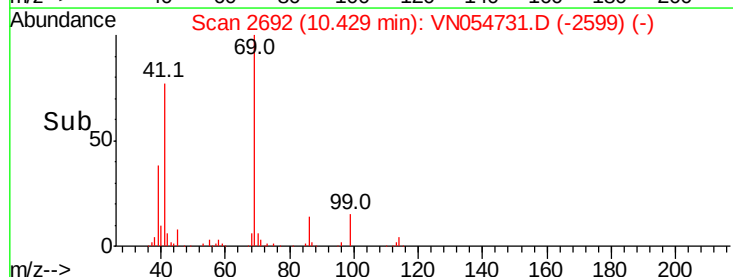
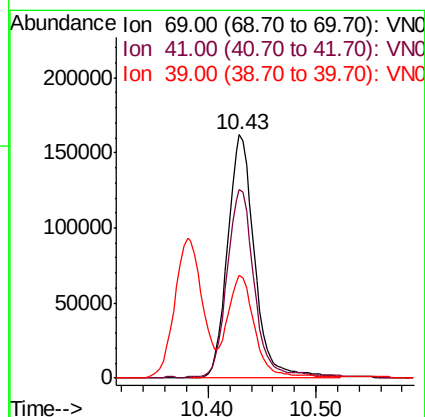
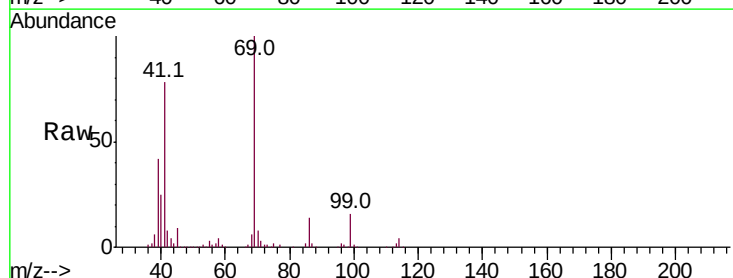
RT: 10.43 min Scan# 2692

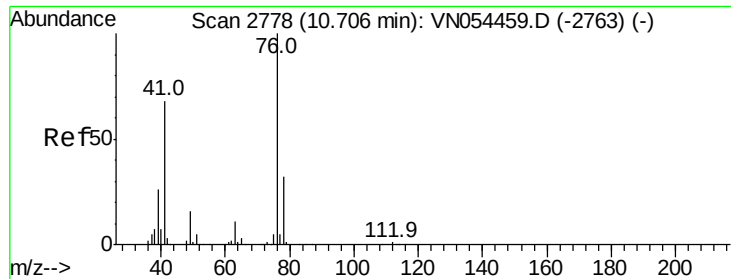
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	69	Resp:	284270
Ion	Ratio	Lower	Upper
69	100		
41	79.2	49.4	74.2#
39	41.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.146 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

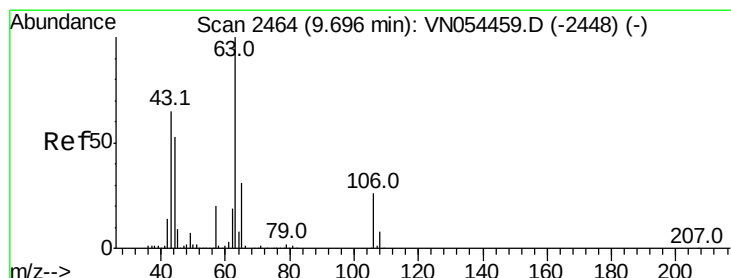
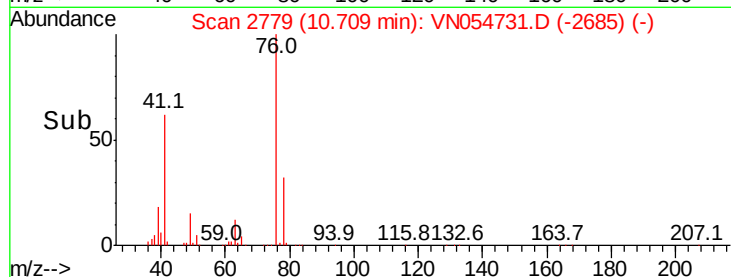
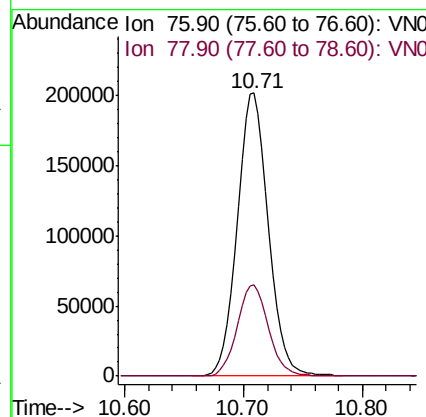
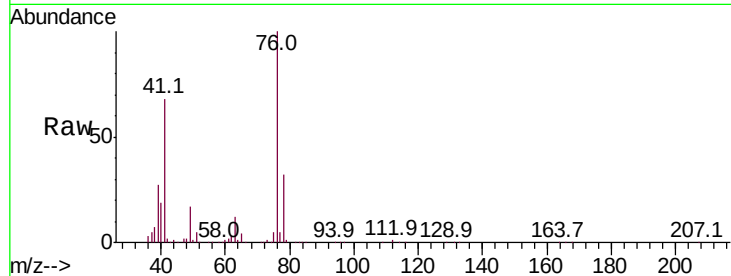
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 364955

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 247.218 ug/l

RT: 9.70 min Scan# 2464

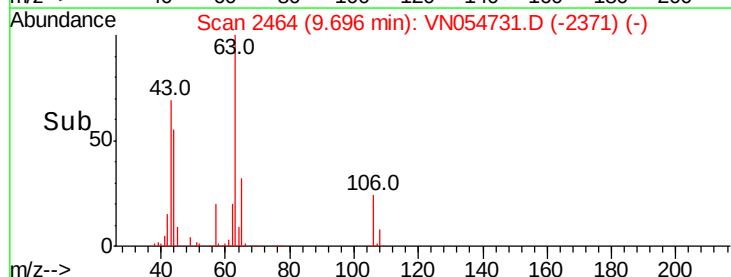
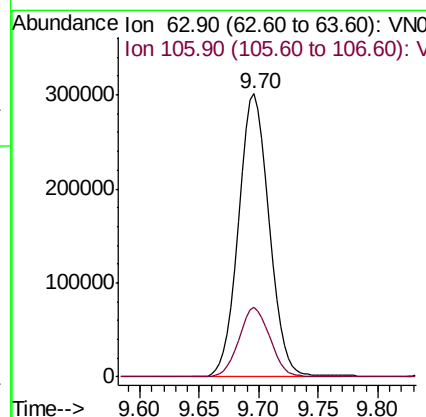
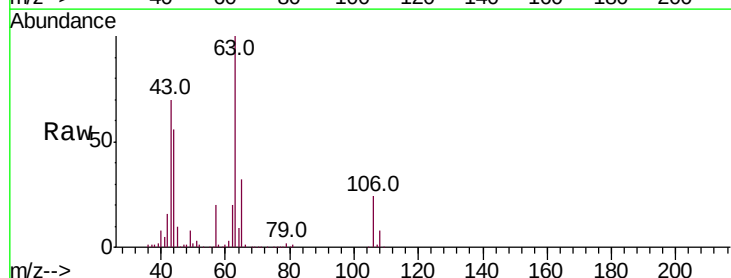
Delta R.T. -0.00 min

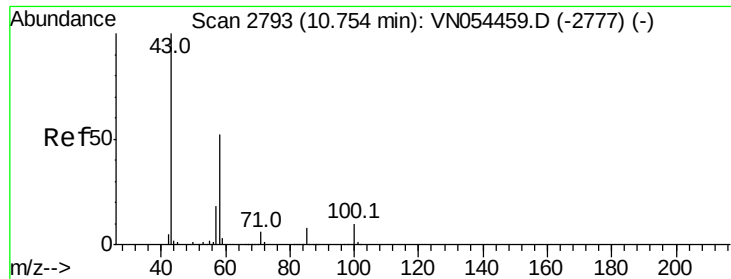
Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion: 63 Resp: 539758

Ion	Ratio	Lower	Upper
63	100		
106	24.7	24.4	36.6





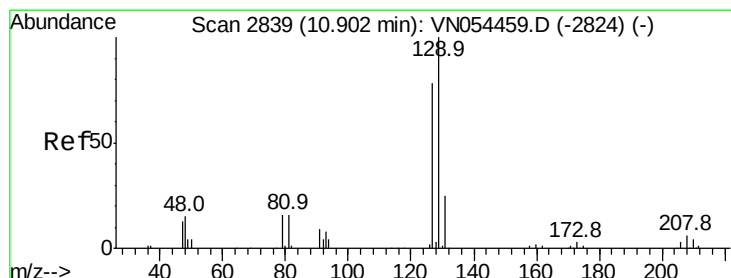
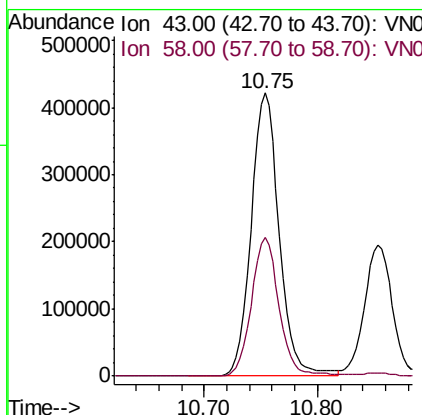
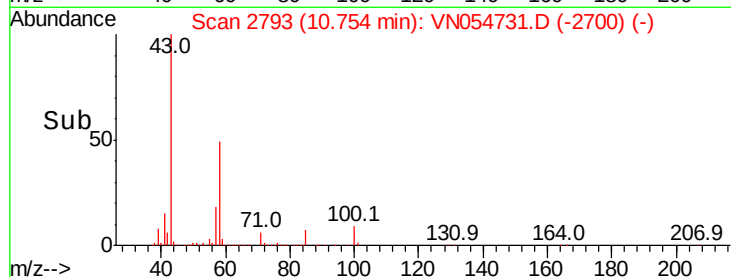
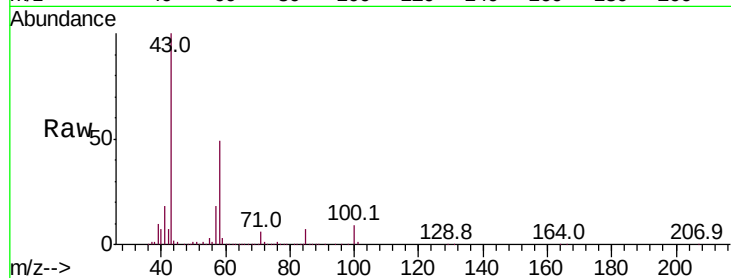
#59
2-Hexanone
Concen: 265.789 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 722153
Ion Ratio Lower Upper
43 100
58 48.6 28.0 83.9

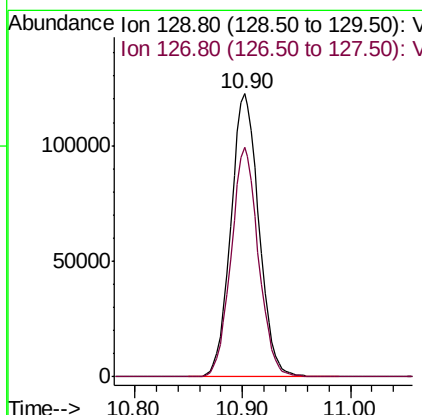
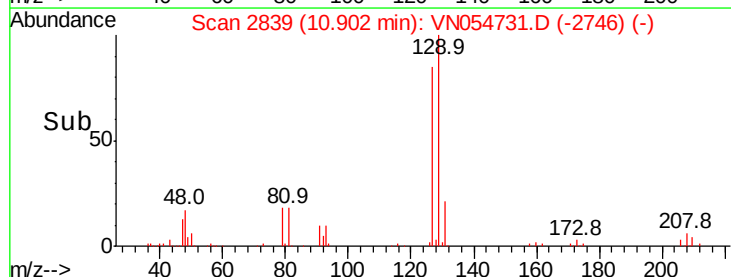
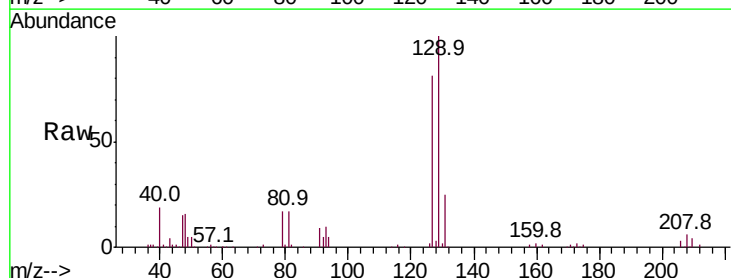
Manual Integrations
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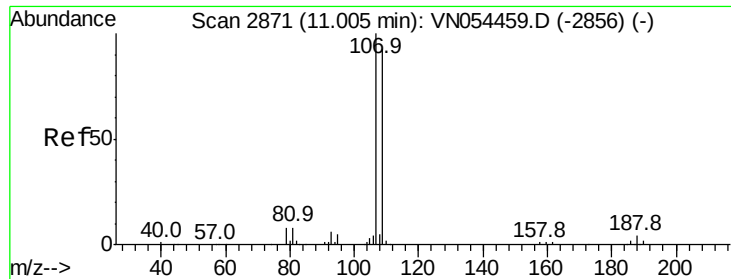
MMDadoda
3/28/2019 12:44:49 PM



#60
Dibromochloromethane
Concen: 52.897 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 129 Resp: 222358
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.808 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 202334

Ion Ratio Lower Upper

107 100

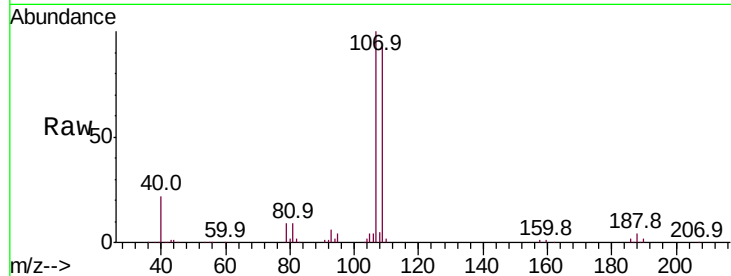
109 94.1 75.9 113.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

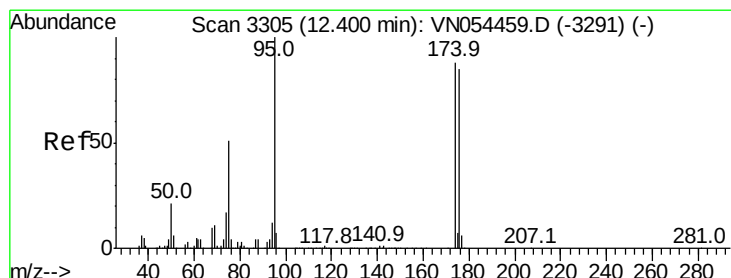
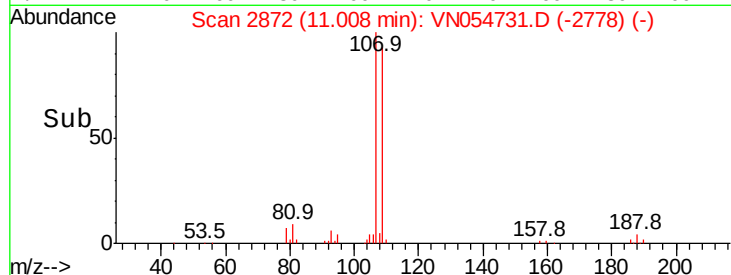
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

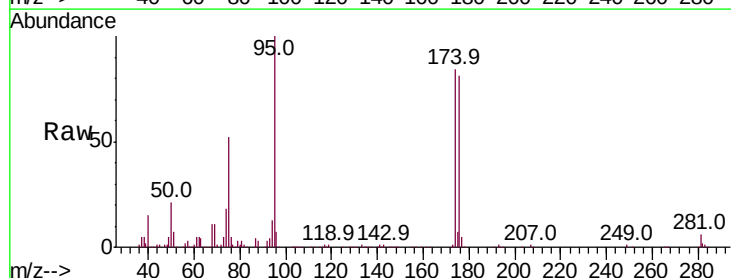
Tgt Ion: 95 Resp: 270899

Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

176 80.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

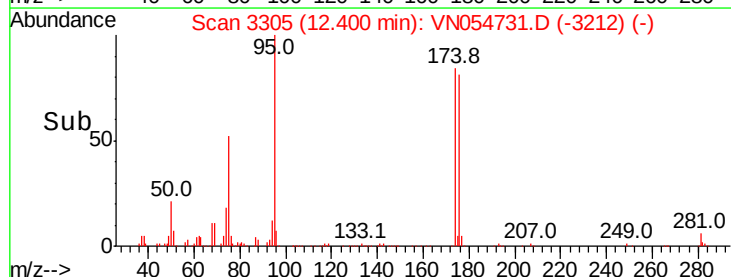
150000

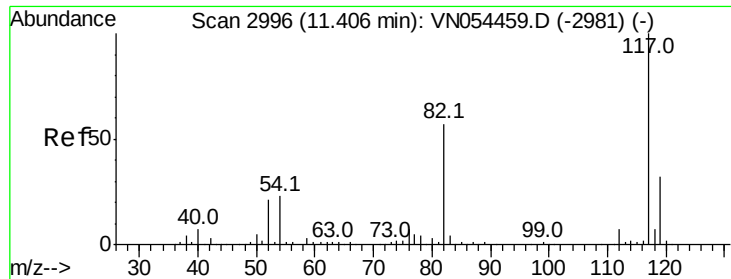
100000

50000

0

Time-->





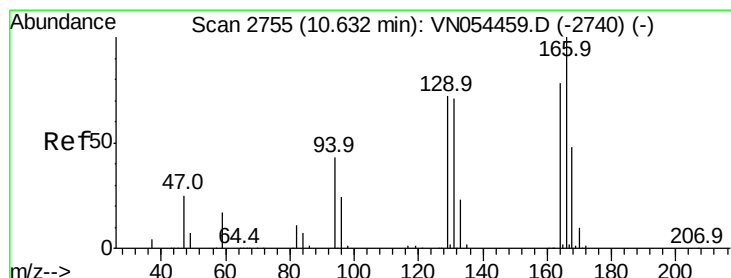
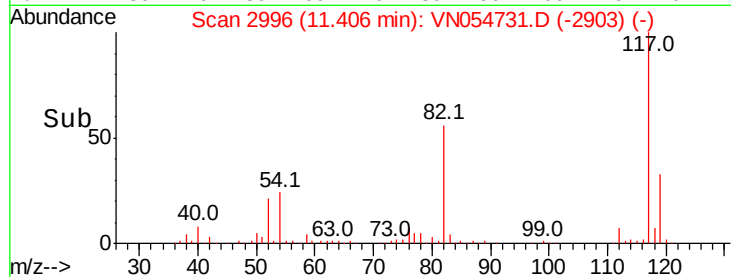
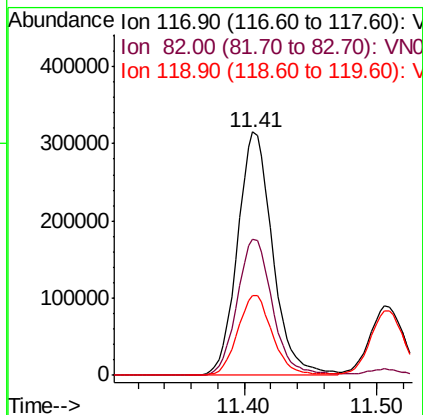
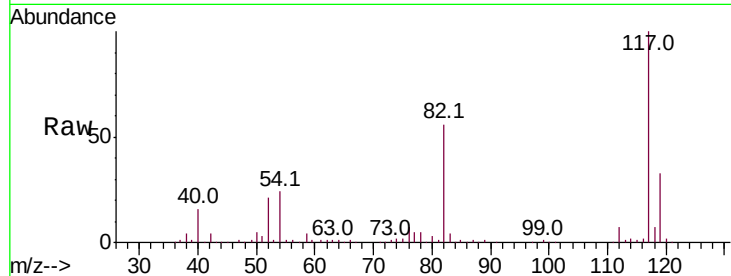
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	40.0	60.0
119	33.0	25.8	38.6

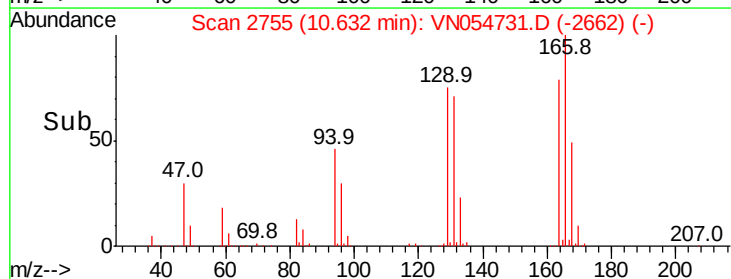
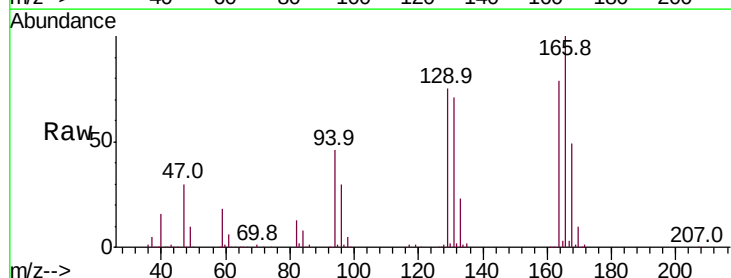
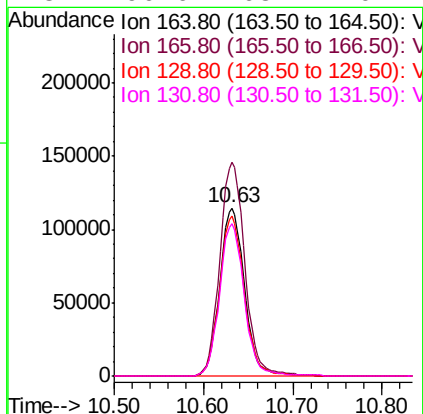
Manual Integrations
APPROVED

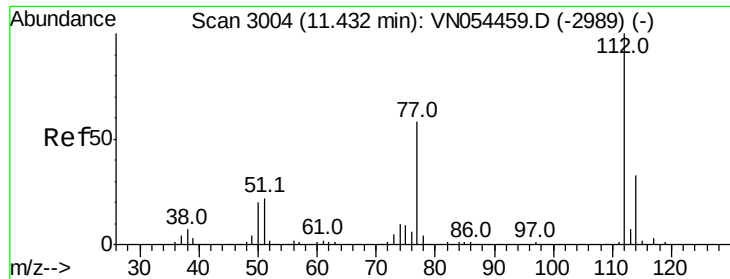
MMDadoda
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#64
Tetrachloroethene
Concen: 45.899 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.9	155.9
129	95.3	71.1	106.7
131	90.6	68.2	102.4





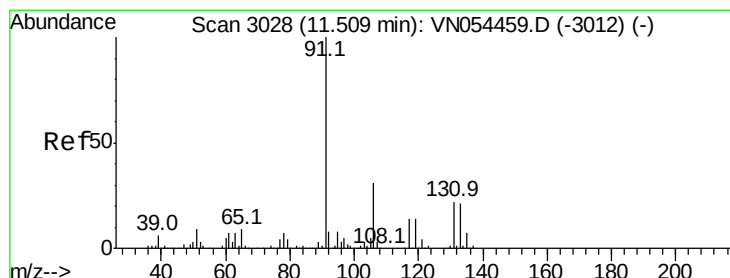
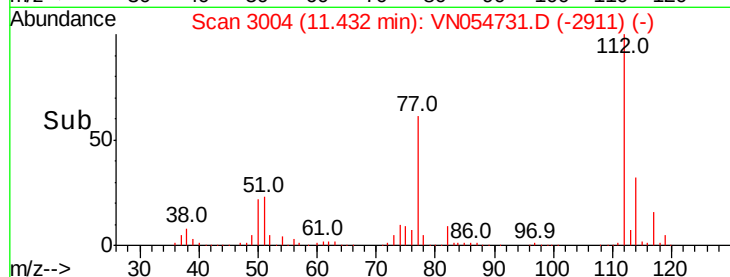
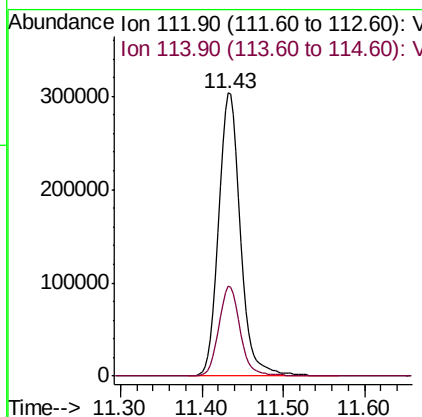
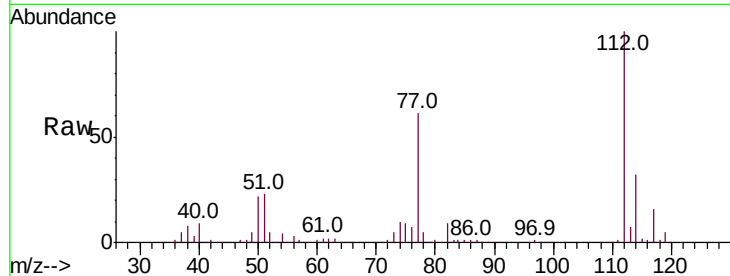
#65
Chlorobenzene
Concen: 49.027 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 578483
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

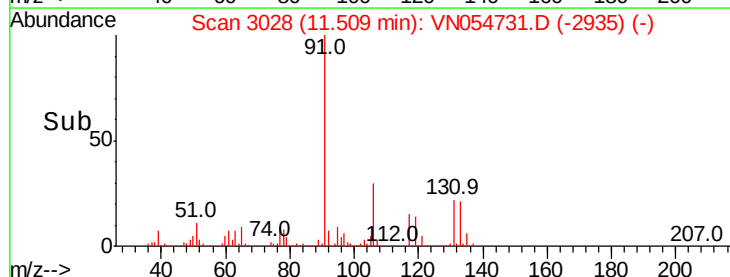
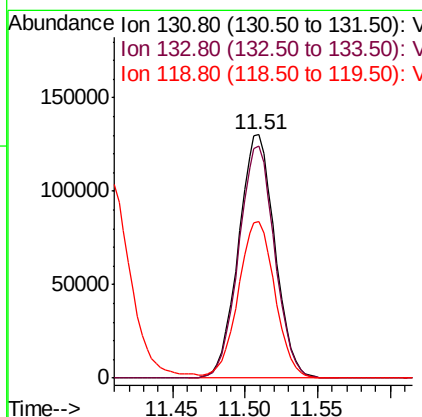
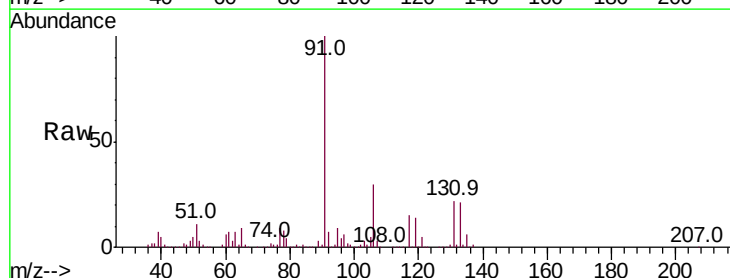
Manual Integrations
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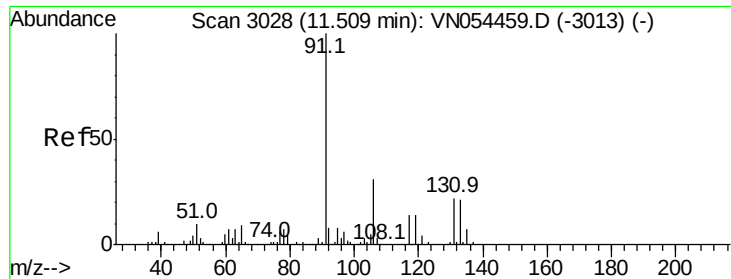
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.569 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion:131 Resp: 226874
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 65.2 32.4 97.0





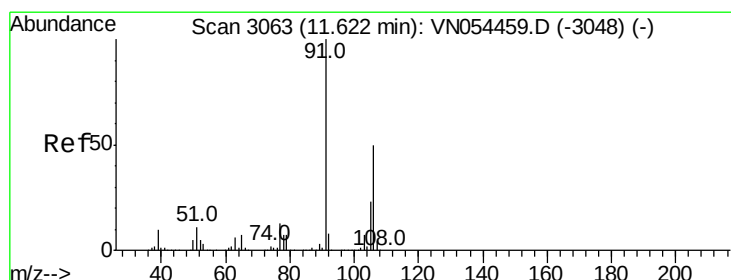
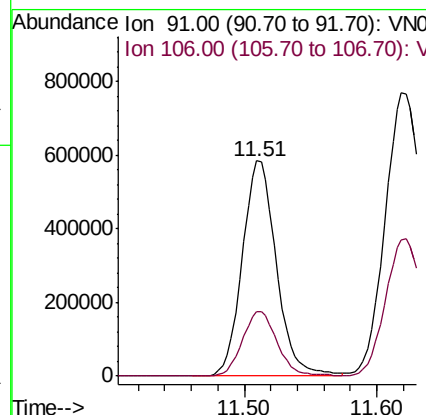
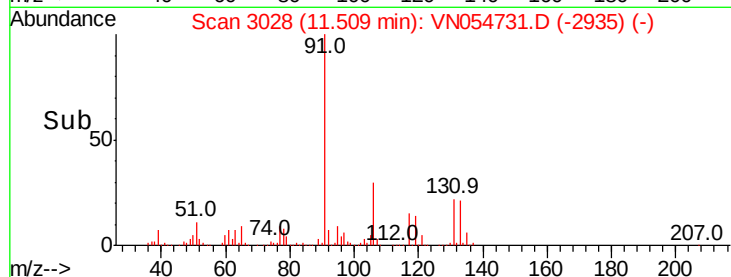
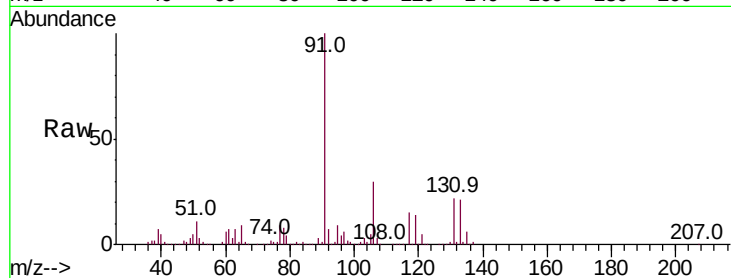
#67
Ethyl Benzene
Concen: 50.204 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1046396
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3

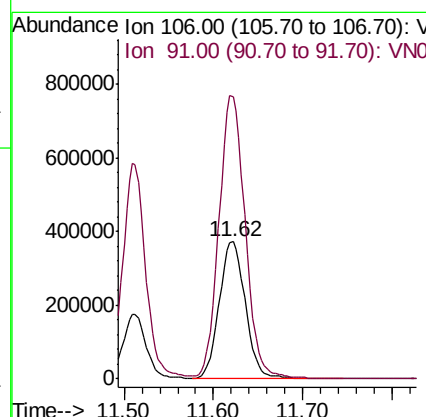
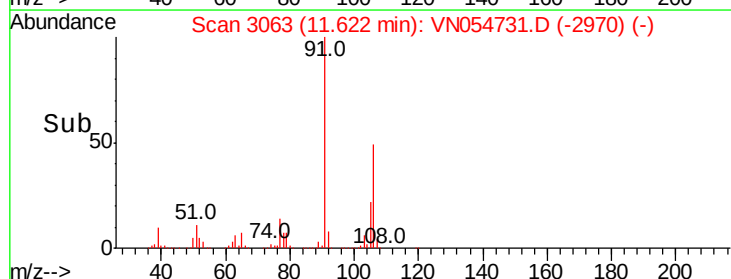
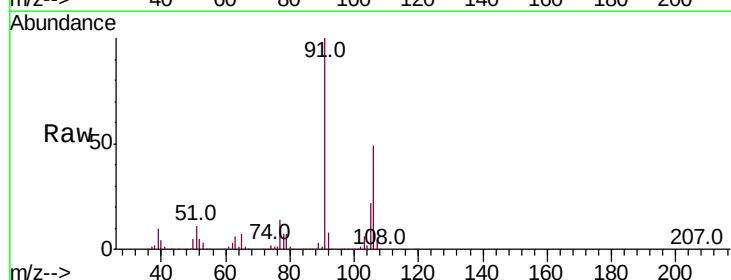
Manual Integrations
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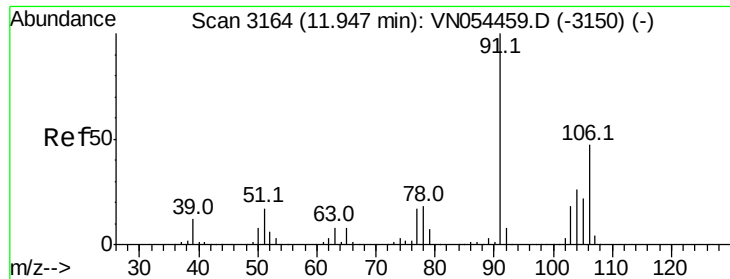
MMDadoda
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#68
m/p-Xylenes
Concen: 96.613 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 106 Resp: 762733
Ion Ratio Lower Upper
106 100
91 207.0 159.4 239.2





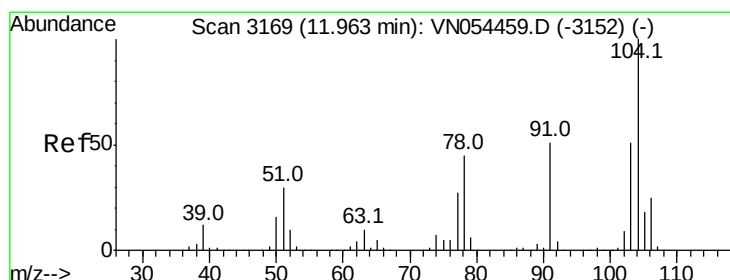
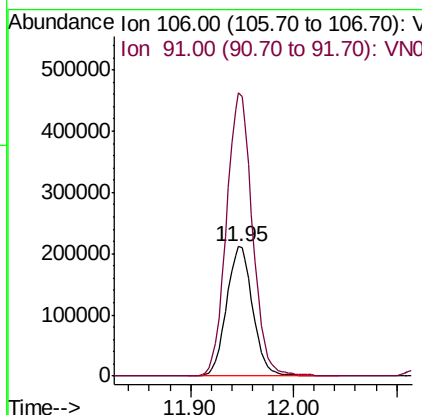
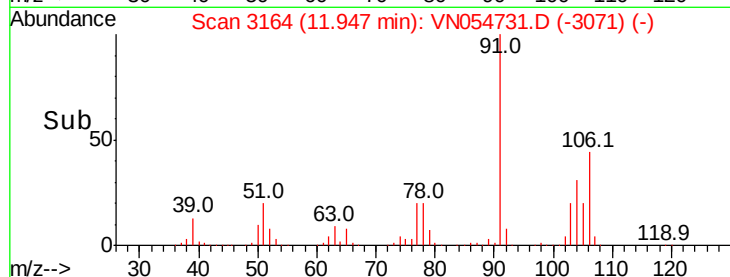
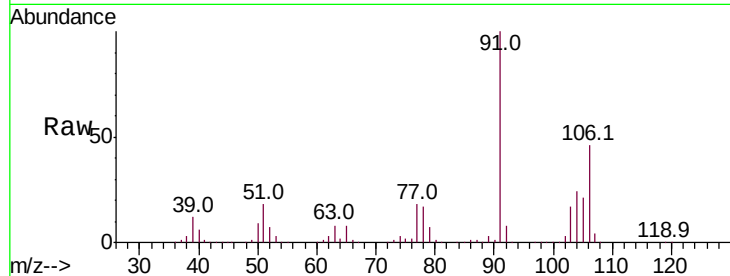
#69
o-Xylene
Concen: 48.660 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 375172
Ion Ratio Lower Upper
106 100
91 217.3 105.7 317.1

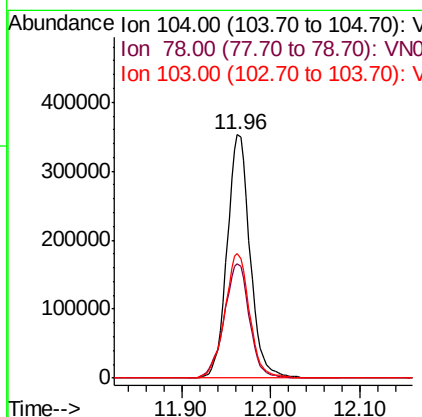
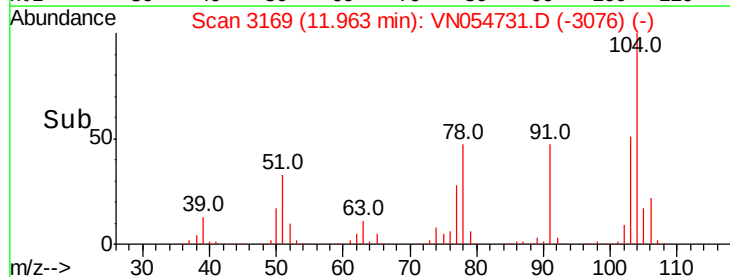
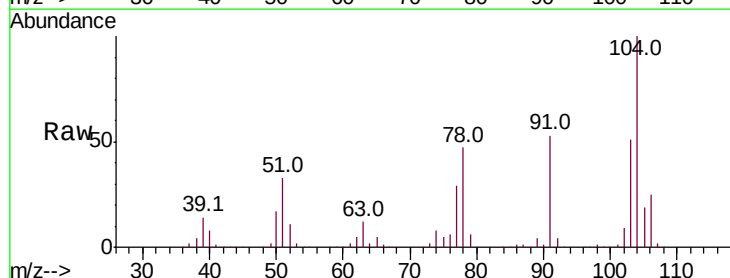
Manual Integrations
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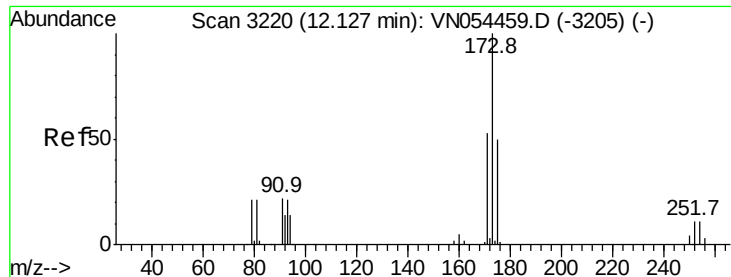
MMDadoda
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#70
Styrene
Concen: 50.073 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion:104 Resp: 626943
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 47.430 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

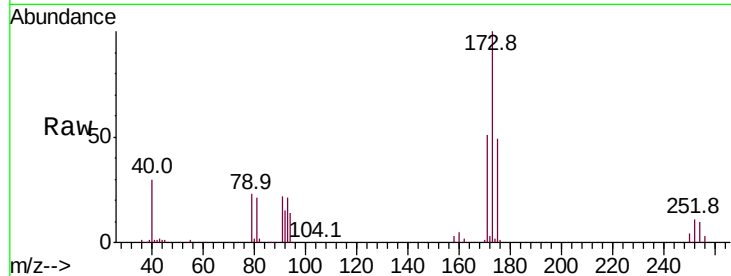
ClientSampled :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.0	0.1	0.1#

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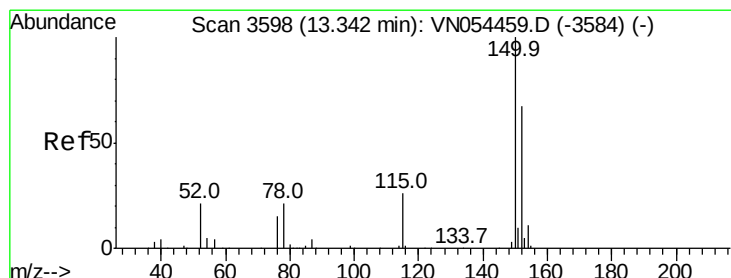
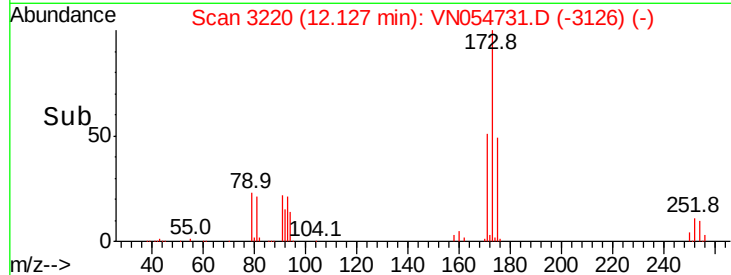
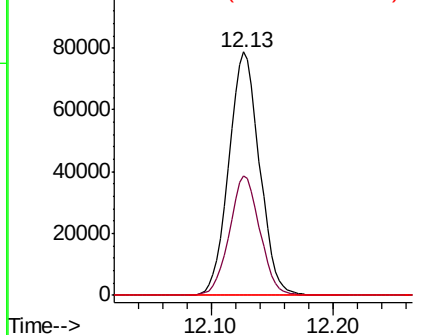


Abundance

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

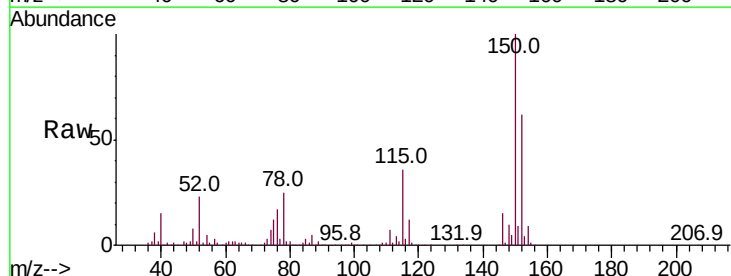
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	27.2	81.6
150	174.7	0.0	349.2

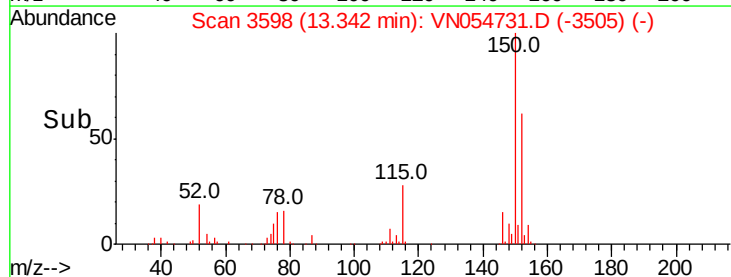
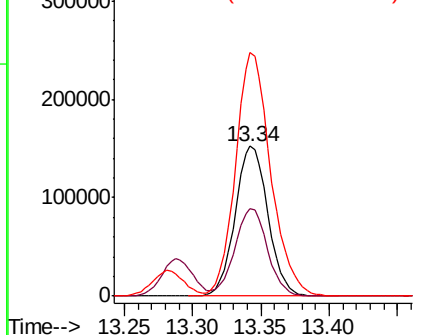


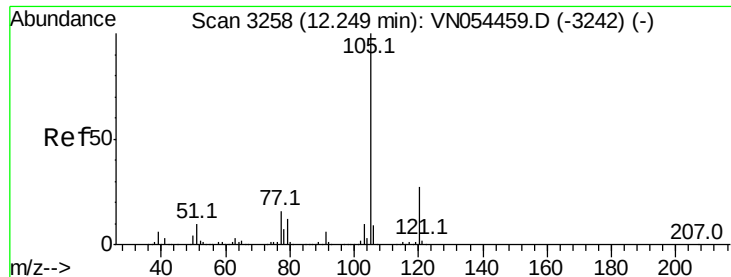
Abundance

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: 48.358 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 988443

Ion Ratio Lower Upper

105 100

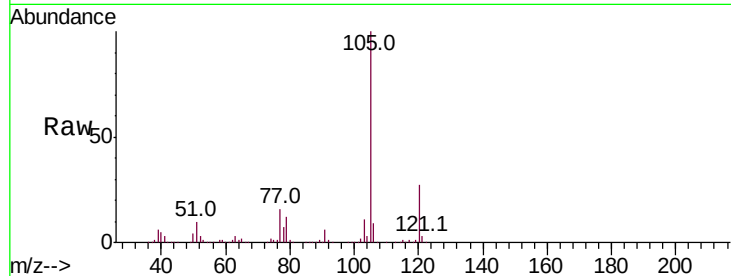
120 26.7 13.8 41.3

Manual Integrations

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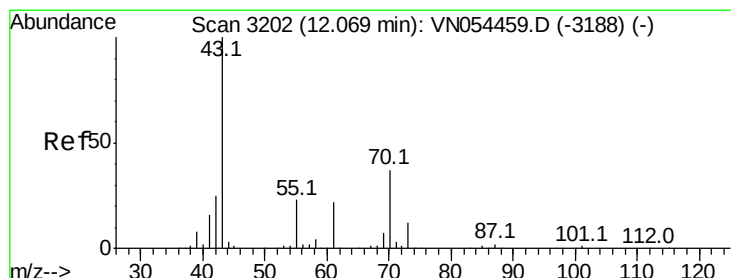
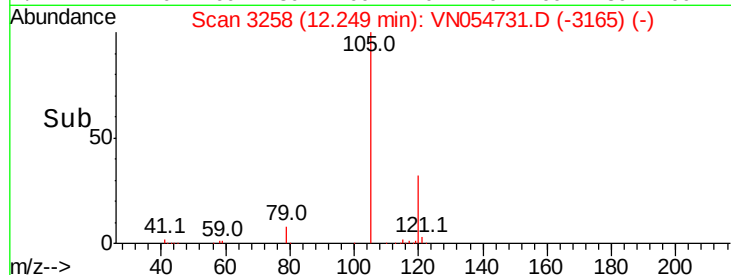
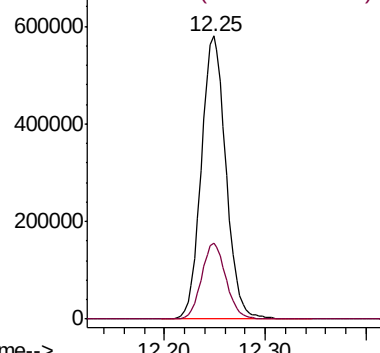
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.234 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion: 43 Resp: 330497

Ion Ratio Lower Upper

43 100

70 37.3 35.4 53.0

55 23.3 19.8 29.6

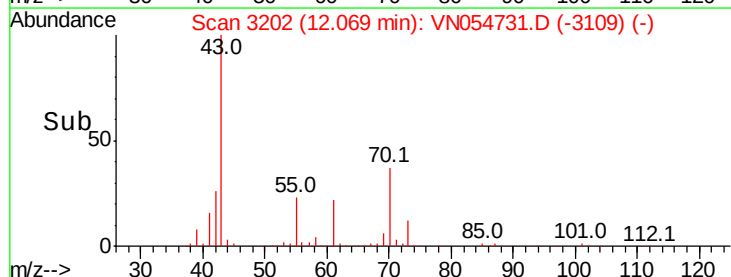
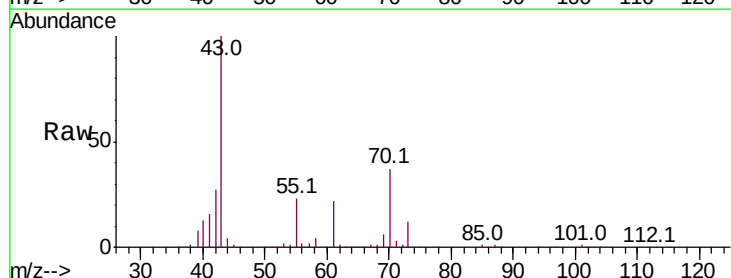
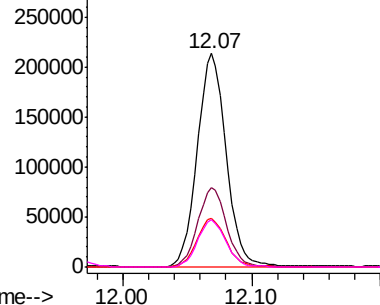
61 22.0 19.8 29.6

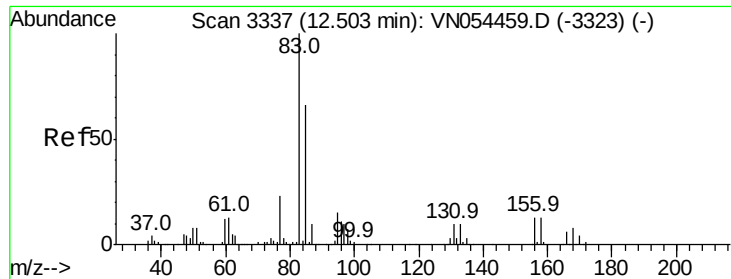
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 55.391 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

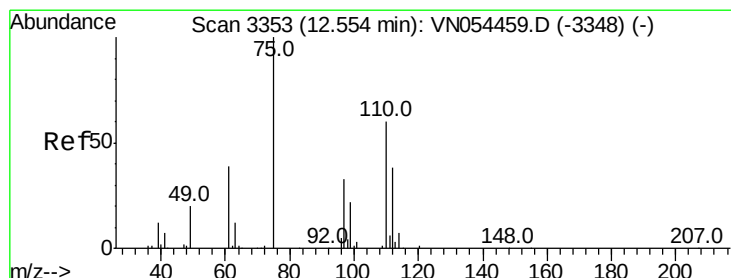
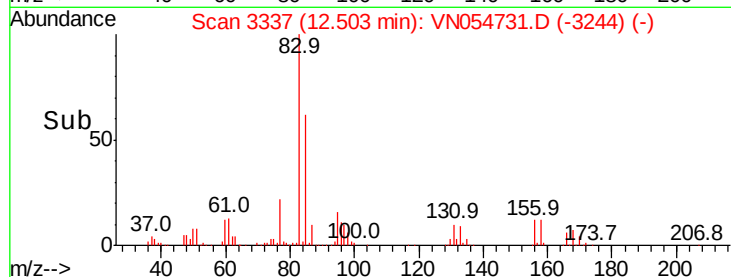
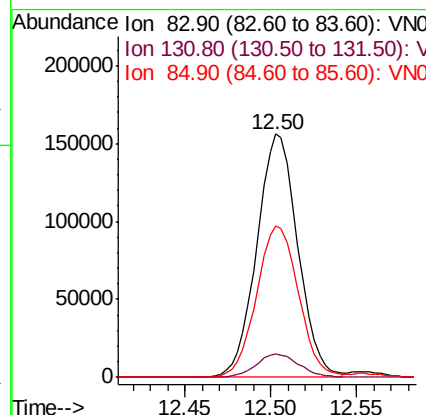
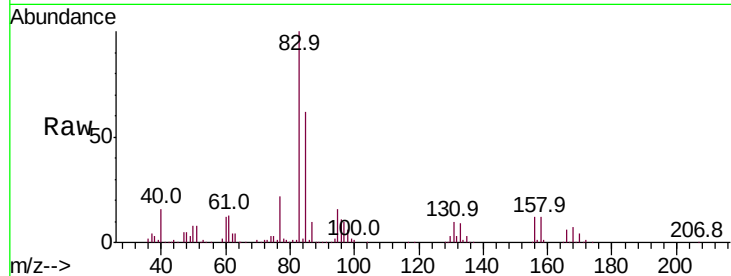
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	258451
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	63.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.319 ug/l m

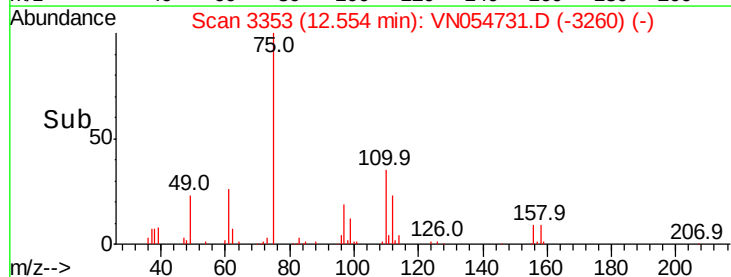
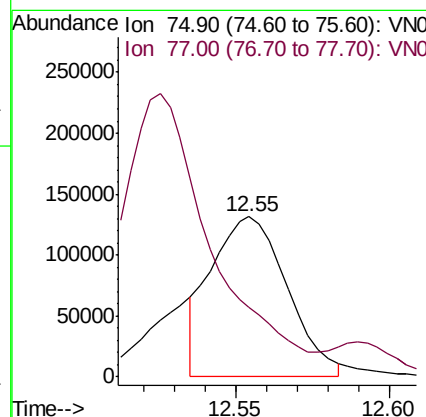
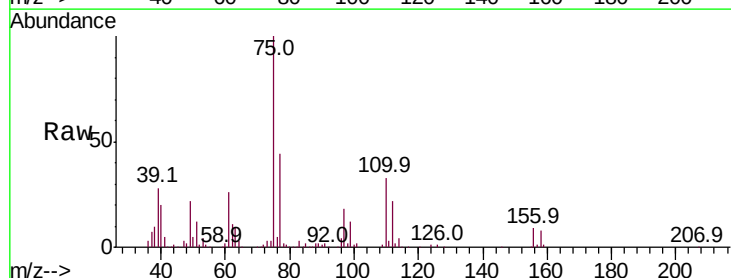
RT: 12.55 min Scan# 3353

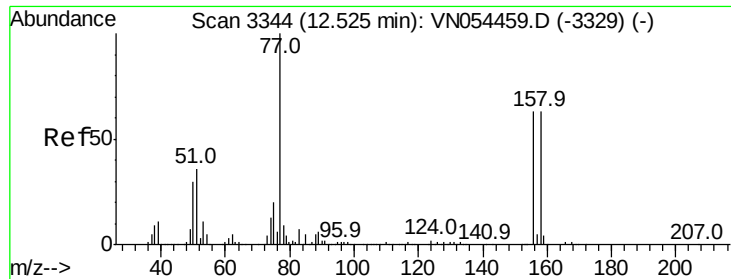
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	75	Resp:	226688
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.097 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

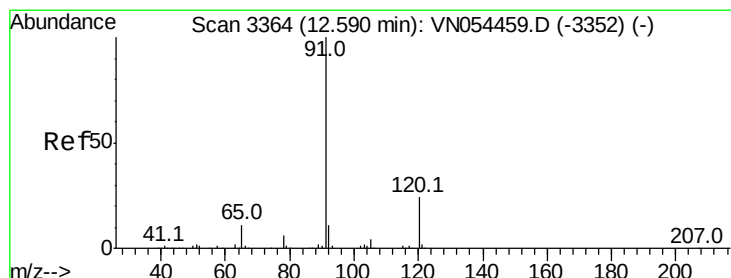
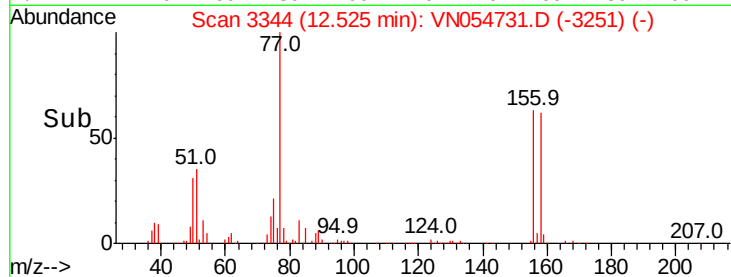
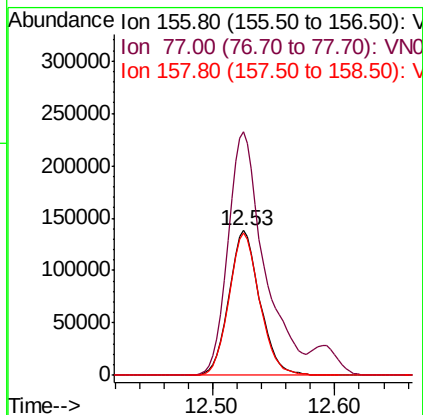
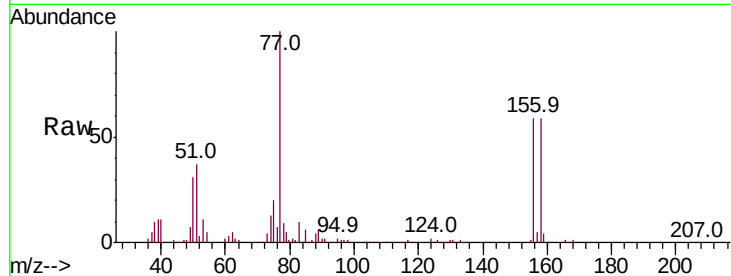
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	243821
Ion Ratio	Lower	Upper	
156	100		
77	197.7	81.5	244.4
158	97.8	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 49.507 ug/l

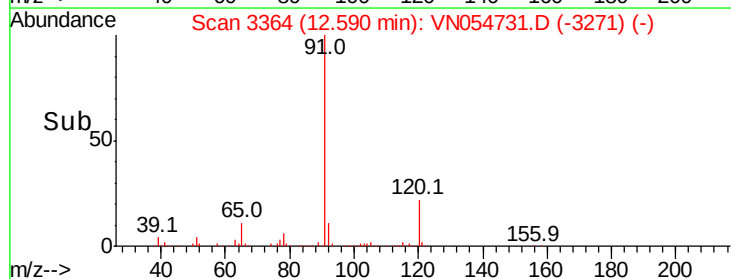
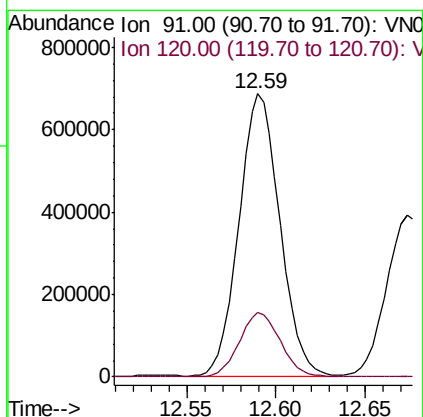
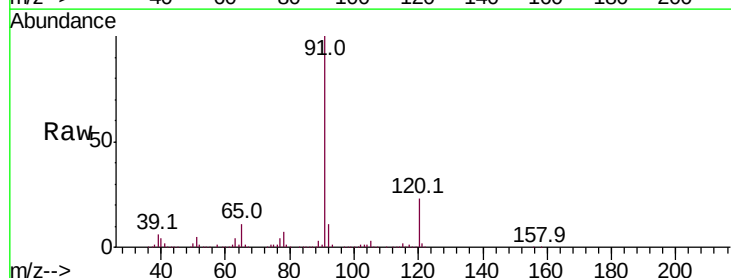
RT: 12.59 min Scan# 3364

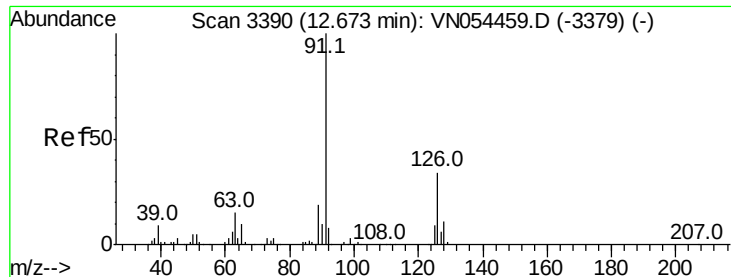
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	91	Resp:	1097278
Ion Ratio	Lower	Upper	
91	100		
120	23.1	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.608 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 671830

Ion Ratio Lower Upper

91 100

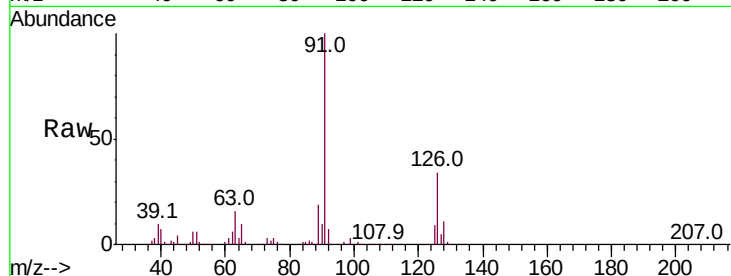
126 34.0 18.7 56.1

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) (-)

500000

400000

300000

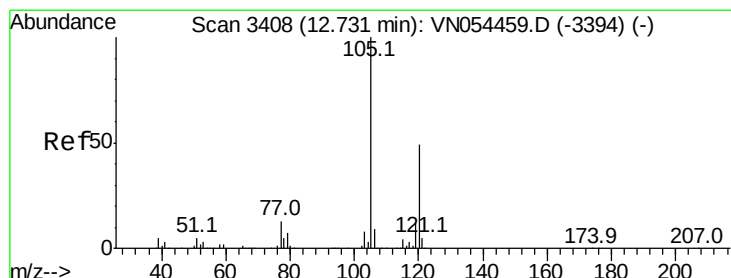
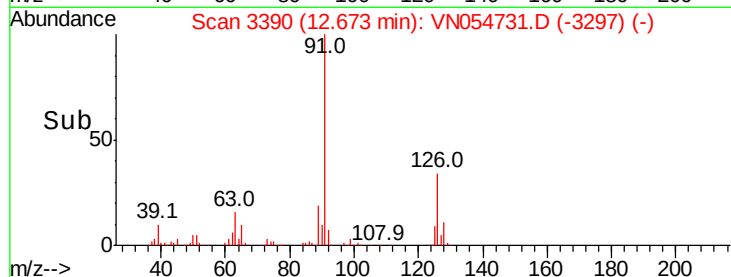
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.280 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054731.D

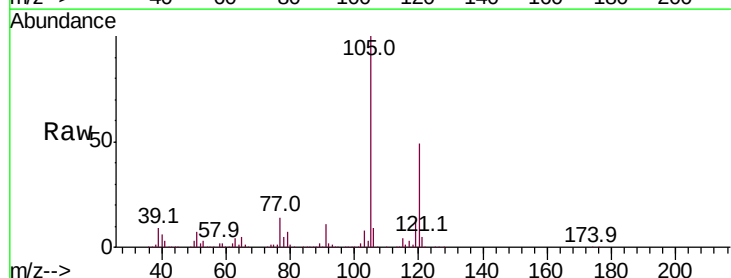
Acq: 27 Mar 2019 19:14

Tgt Ion: 105 Resp: 808800

Ion Ratio Lower Upper

105 100

120 48.7 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) (-)

600000

500000

400000

300000

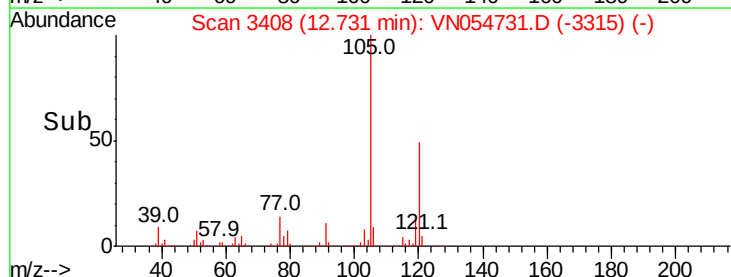
200000

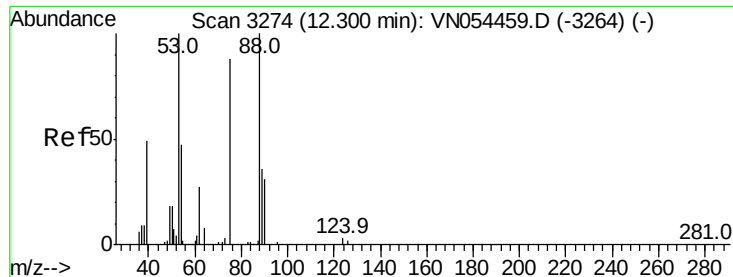
100000

0

12.70 12.80

Time-->





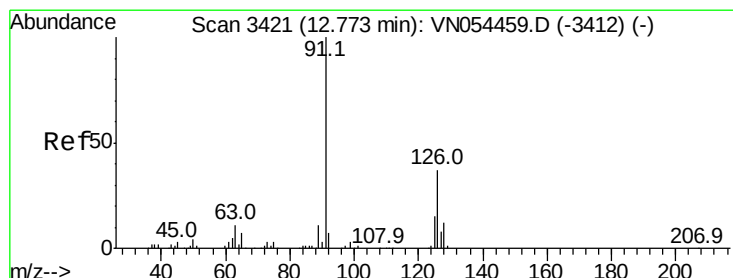
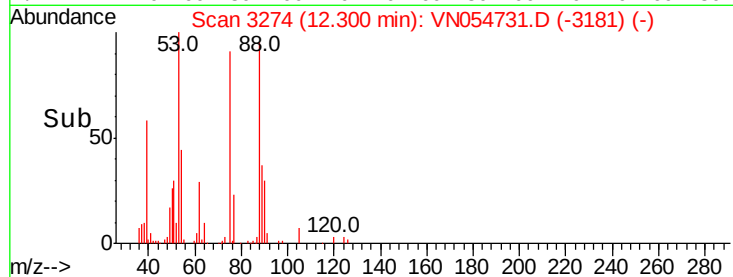
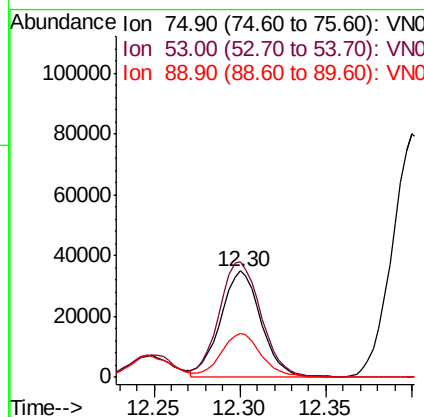
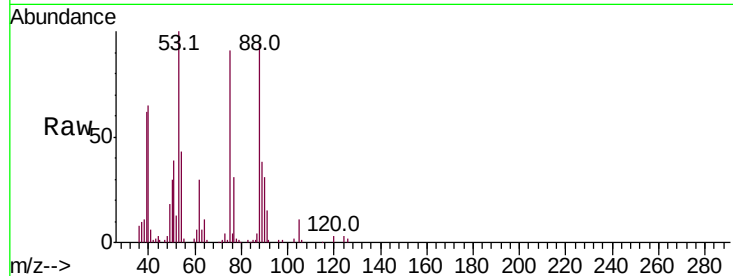
#81
trans-1,4-Dichloro-2-butene
Concen: 48.542 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 56562
Ion Ratio Lower Upper
75 100
53 116.5 76.2 114.2#
89 42.4 39.2 58.8

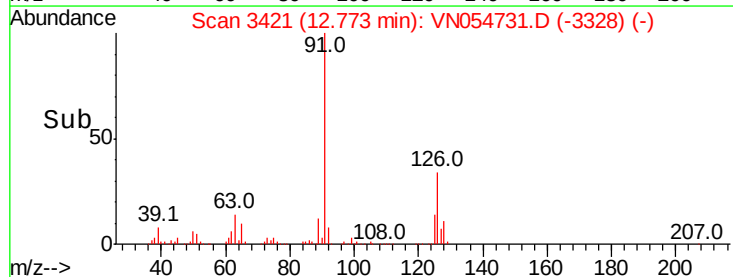
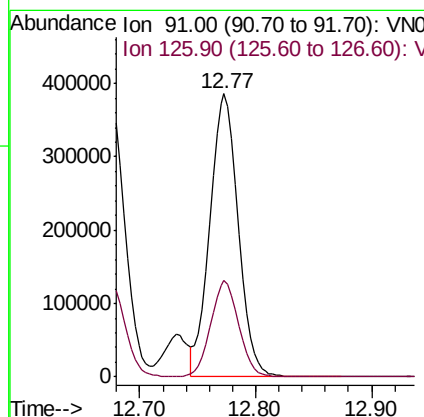
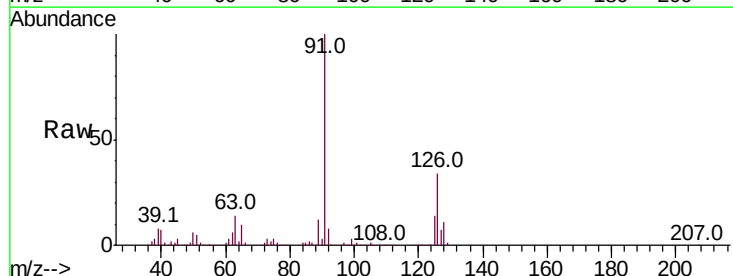
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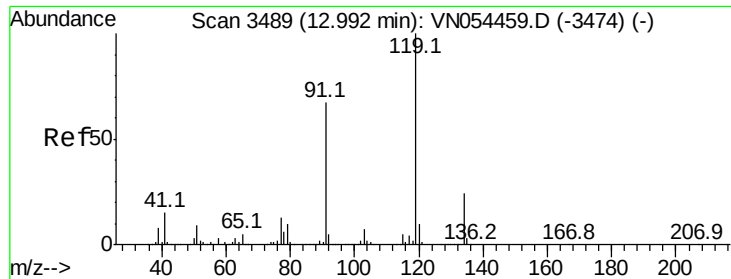
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.204 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 91 Resp: 659206
Ion Ratio Lower Upper
91 100
126 33.7 18.1 54.1





#83

tert-Butylbenzene

Concen: 47.600 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

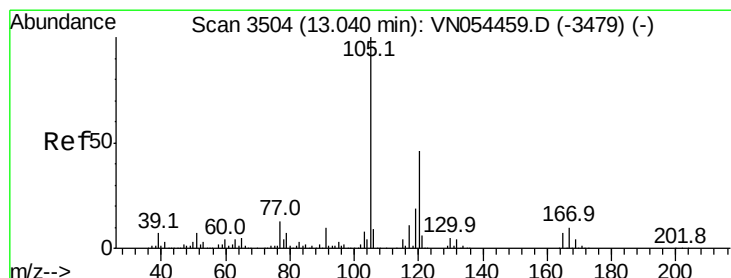
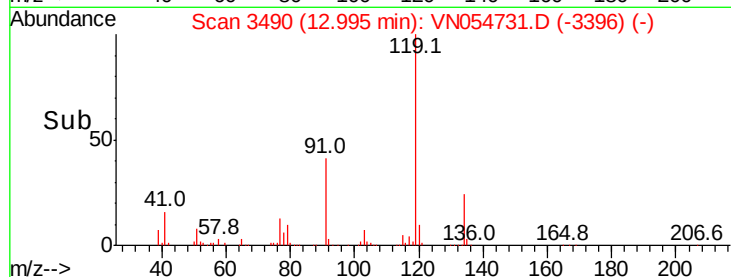
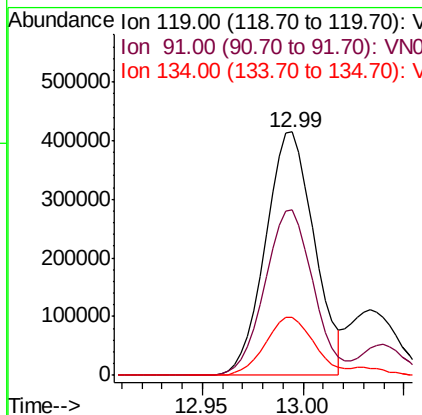
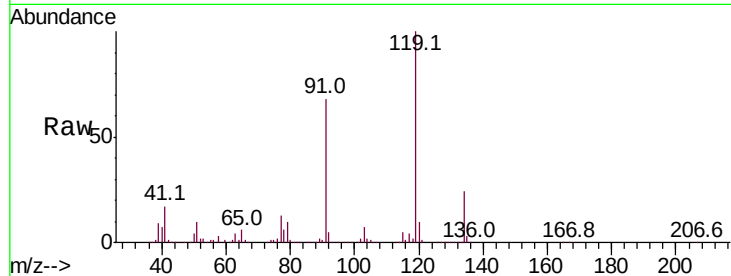
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp:	694107
Ion Ratio	Lower	Upper
119 100		
91 67.4	30.9	92.8
134 24.0	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 48.342 ug/l

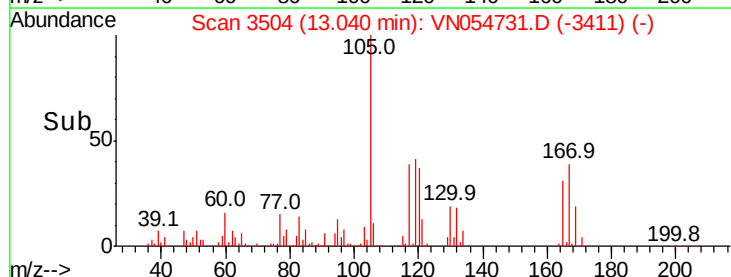
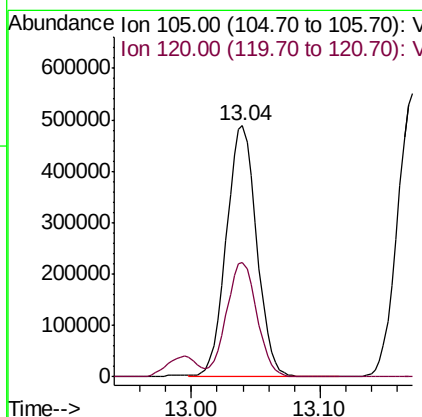
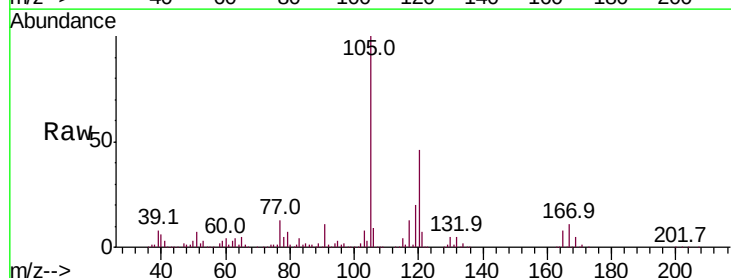
RT: 13.04 min Scan# 3504

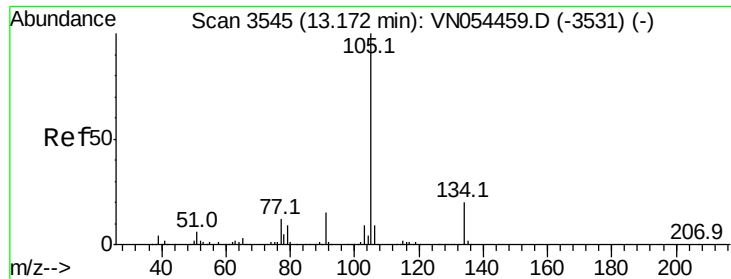
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:105	Resp:	794633
Ion Ratio	Lower	Upper
105 100		
120 46.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.446 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 880642

Ion Ratio Lower Upper

105 100

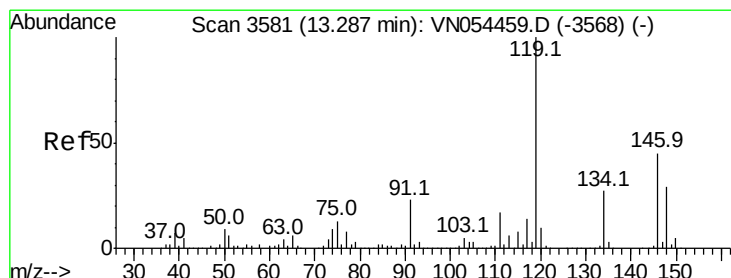
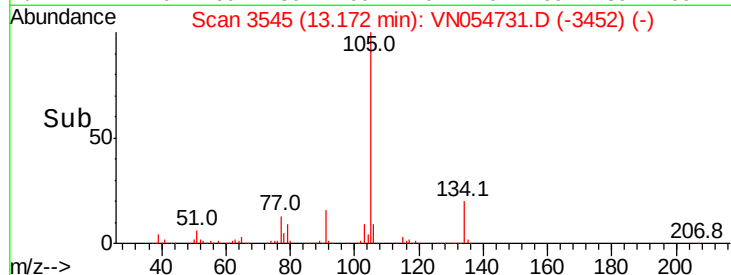
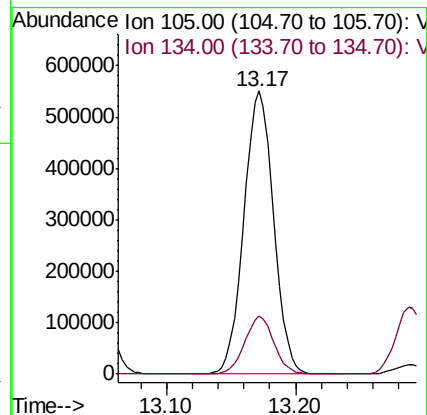
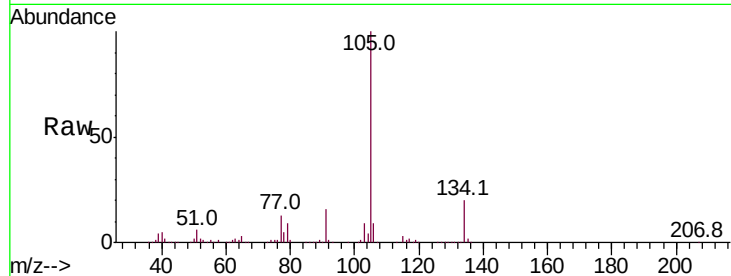
134 20.1 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 47.810 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

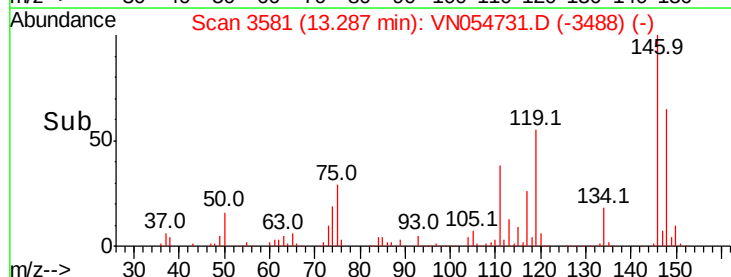
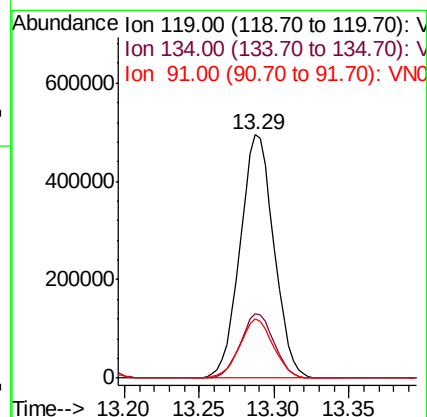
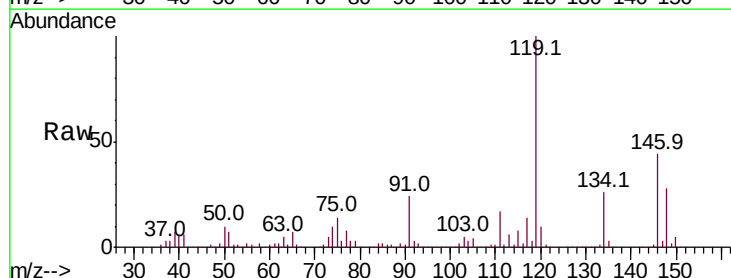
Tgt Ion:119 Resp: 777519

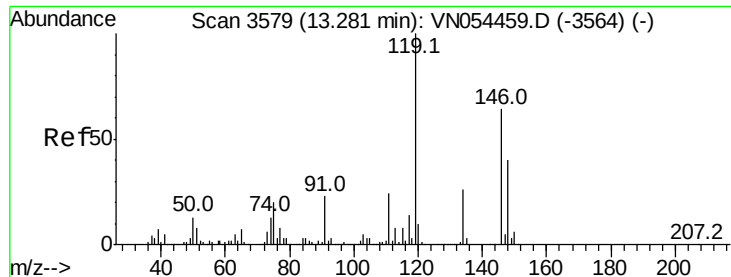
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 24.0 11.1 33.3





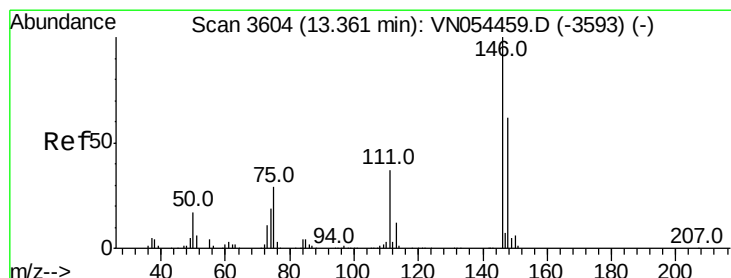
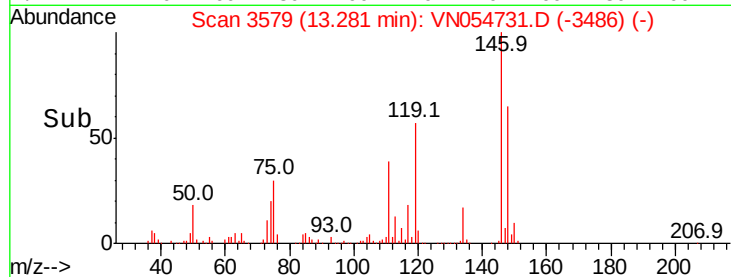
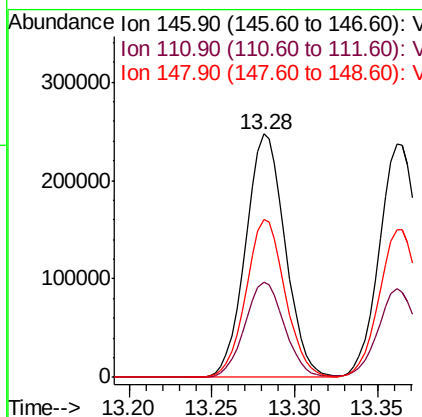
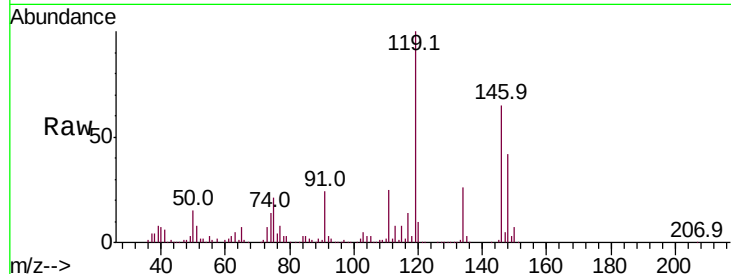
#87
 1,3-Dichlorobenzene
 Concen: 48.747 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	409516		
111	39.3	18.8	56.3	
148	64.1	32.2	96.6	

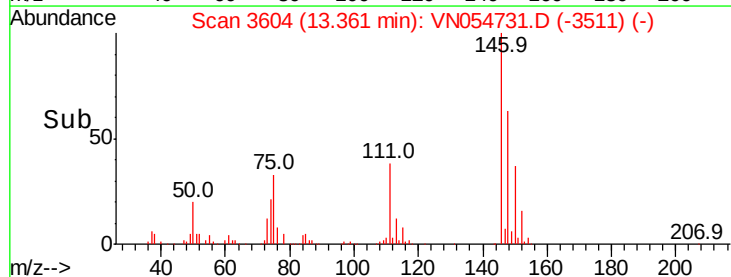
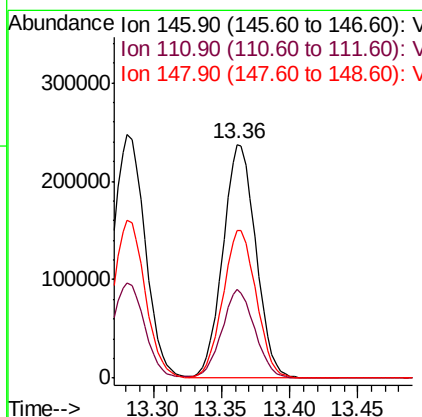
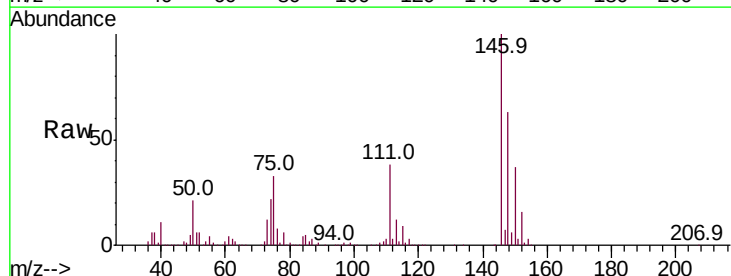
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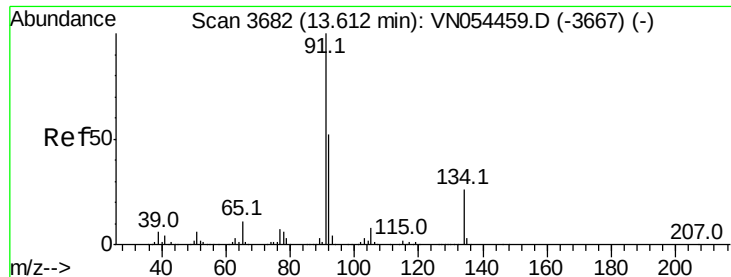
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#88
 1,4-Dichlorobenzene
 Concen: 48.749 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	398455		
111	37.7	18.1	54.1	
148	64.1	32.0	96.0	





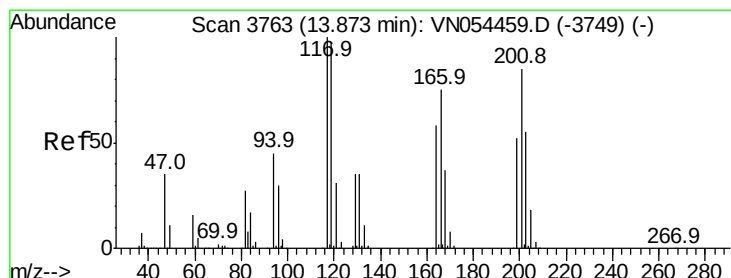
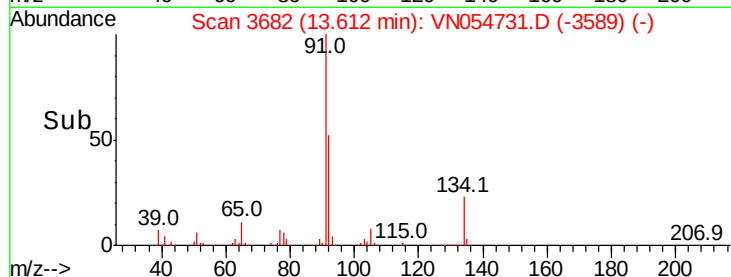
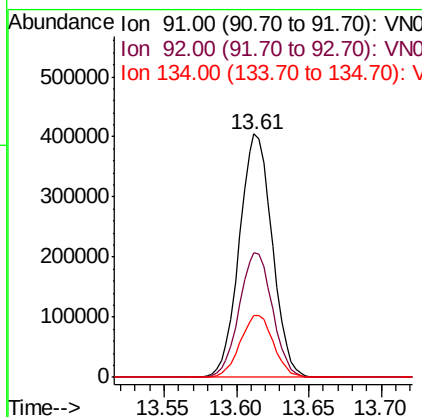
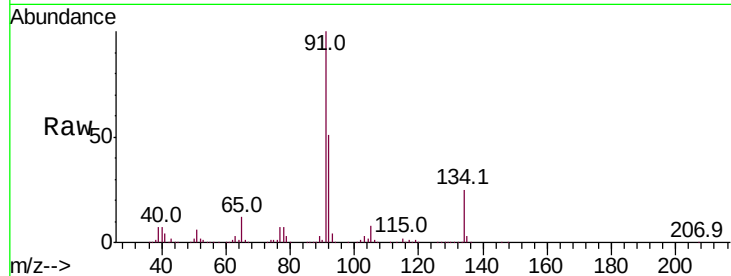
#89
n-Butylbenzene
Concen: 50.149 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.6
134	25.7	14.3	42.9

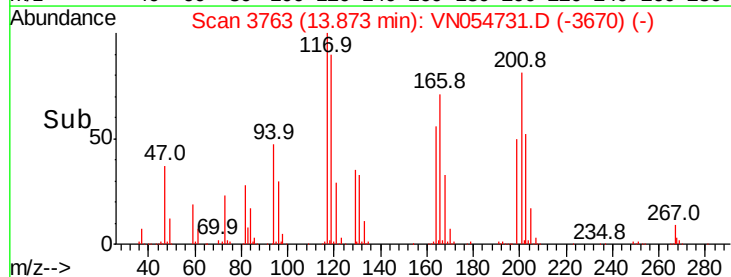
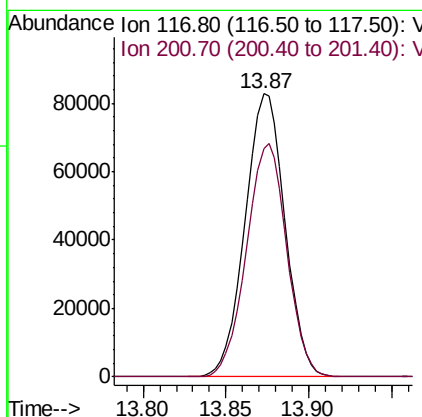
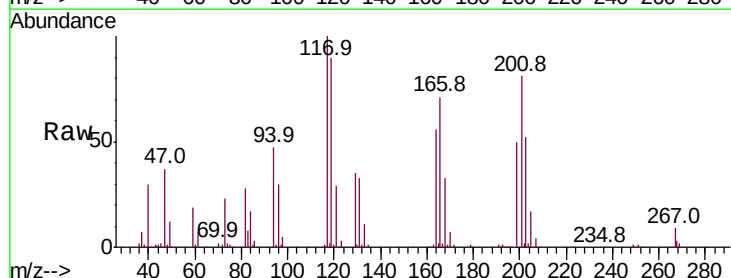
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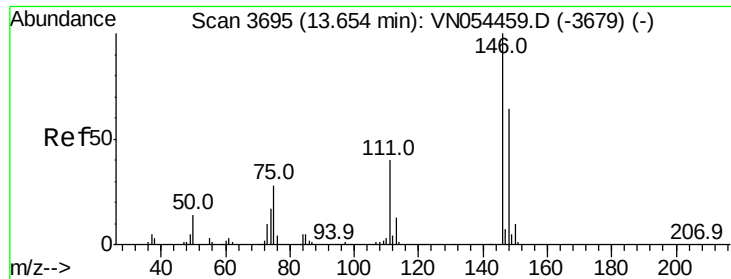
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#90
Hexachloroethane
Concen: 54.855 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 49.791 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

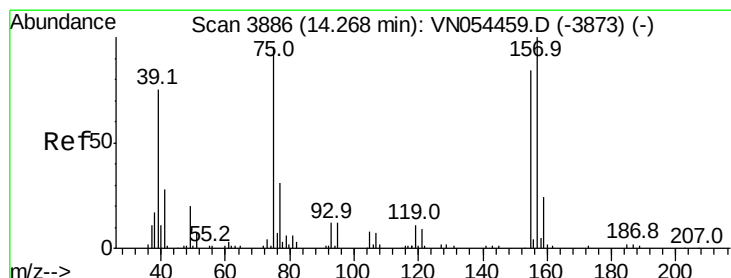
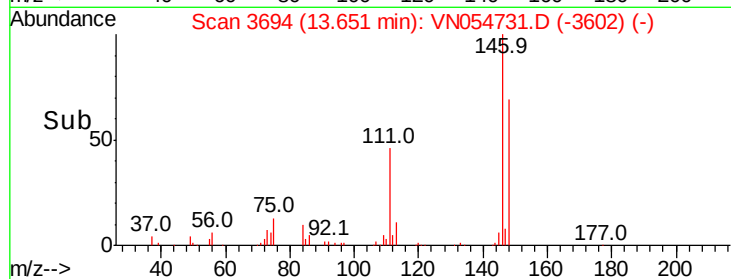
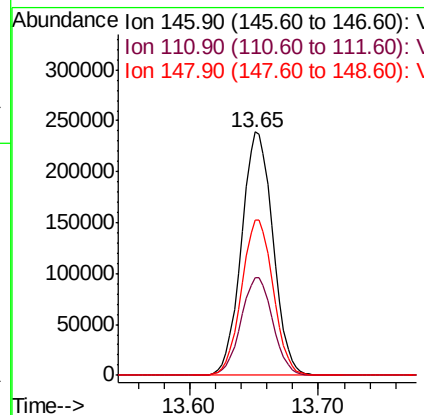
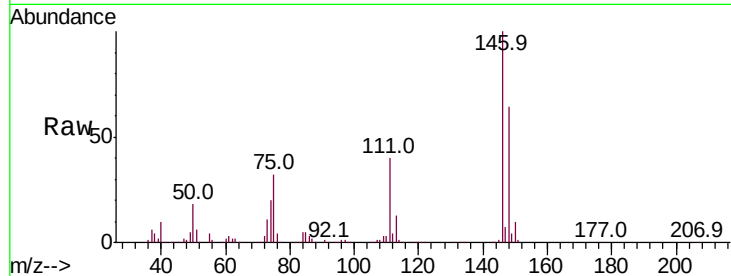
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	405141
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.1	57.3
148	64.2	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.808 ug/l

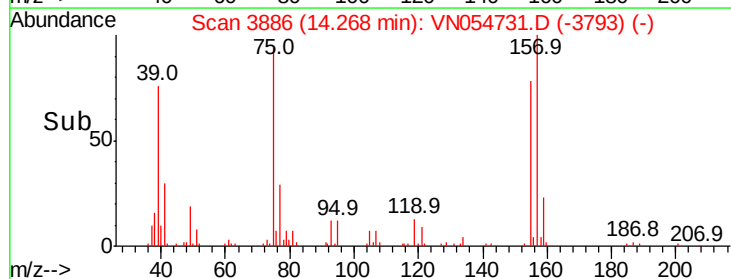
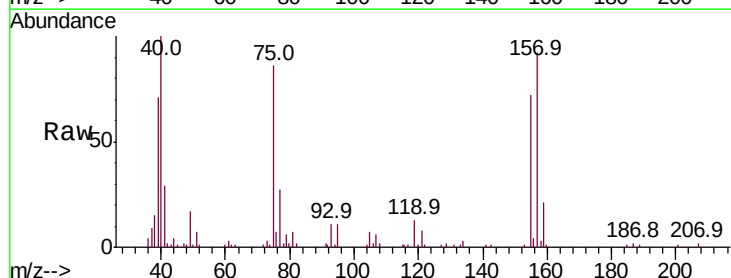
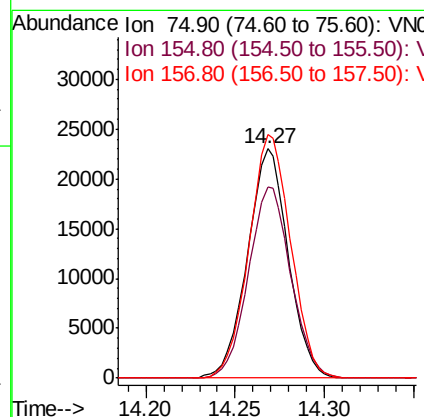
RT: 14.27 min Scan# 3886

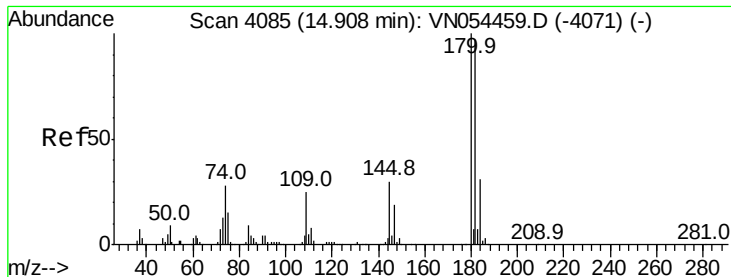
Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion:	75	Resp:	36825
Ion Ratio	Lower	Upper	
75	100		
155	86.6	50.1	150.3
157	108.9	63.1	189.3





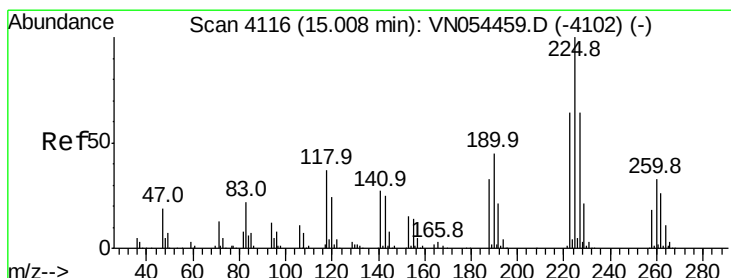
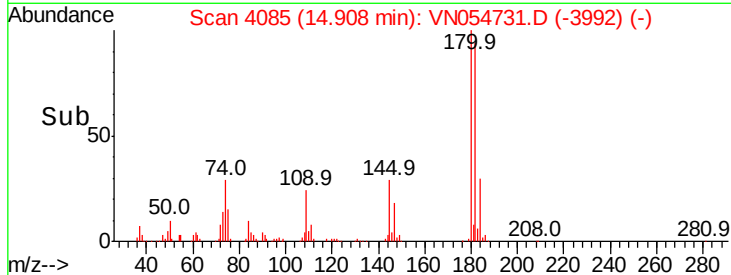
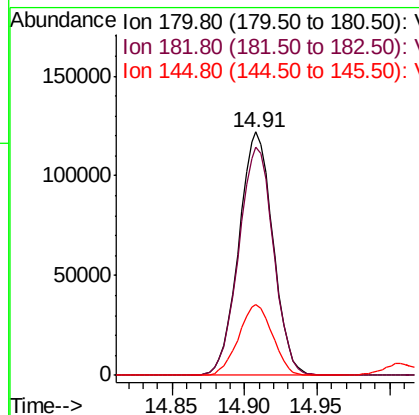
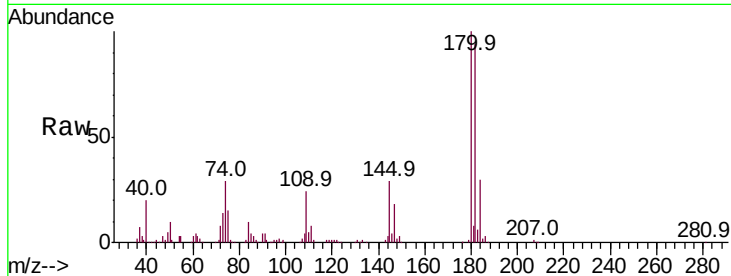
#93
 1,2,4-Trichlorobenzene
 Concen: 49.137 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199314		
182	95.6	48.0	144.2	
145	29.0	14.2	42.8	

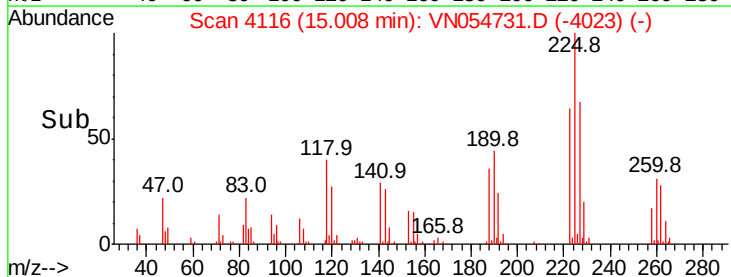
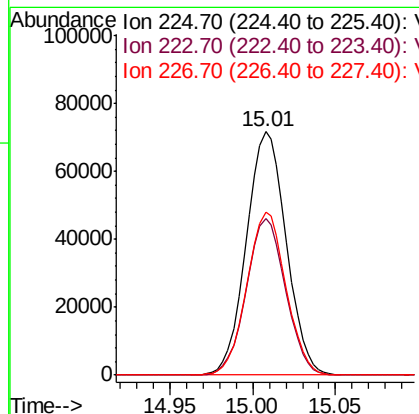
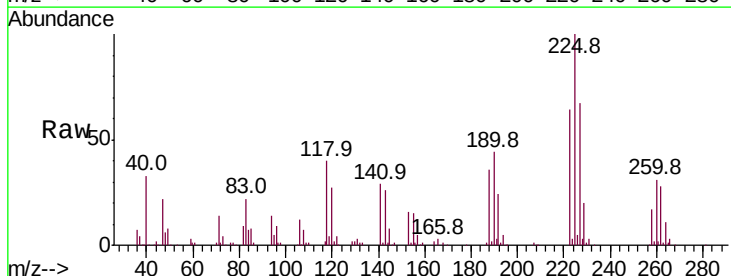
Manual Integrations
 APPROVED

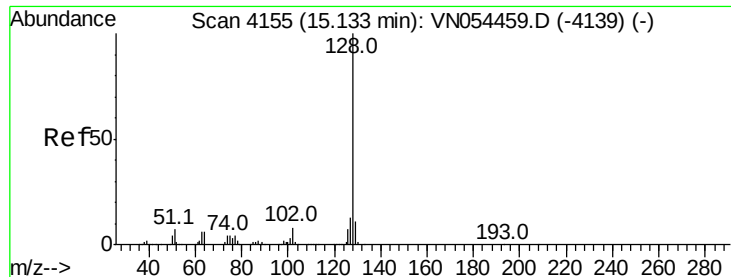
MMDadoda
 3/28/2019 12:44:49 PM



#94
 Hexachlorobutadiene
 Concen: 52.542 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119457		
223	63.2	31.1	93.5	
227	65.8	31.9	95.9	





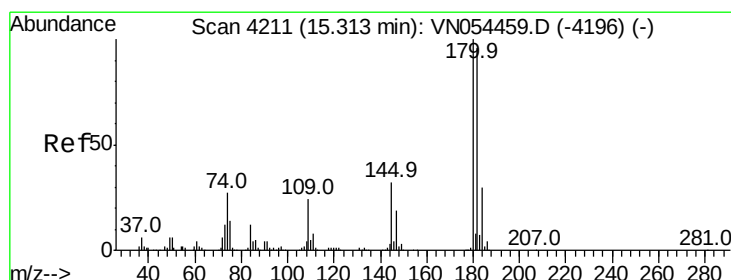
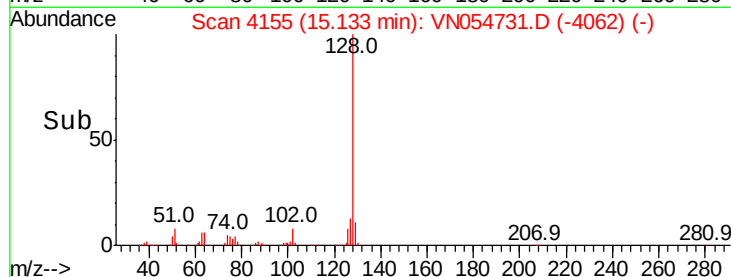
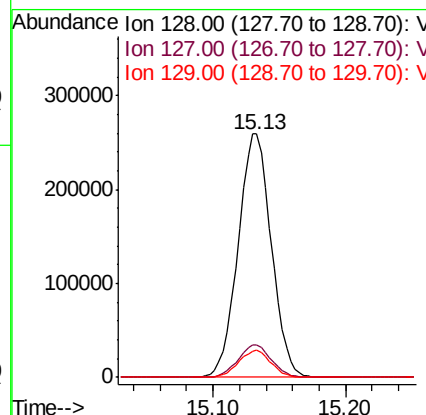
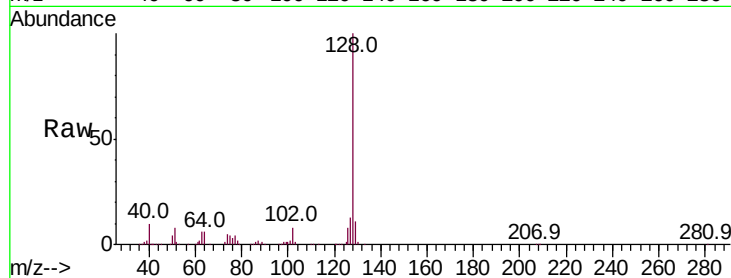
#95
Naphthalene
Concen: 49.727 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/28/2019 12:44:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.199 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	30.2	14.8	44.3

