

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063549.D
 Acq On : 14 Aug 2019 1:41
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 02:35:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	914183	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1308452	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1167776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	597604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	533772	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
35) Dibromofluoromethane	6.93	113	577930	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.42	98	1235443	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	13.56	95	519484	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	535641	48.430	ug/l	94
3) Chloromethane	1.74	50	439140	50.819	ug/l	98
4) Vinyl Chloride	1.85	62	418603	48.798	ug/l	100
5) Bromomethane	2.16	94	245650	60.689	ug/l	96
6) Chloroethane	2.27	64	218253	55.637	ug/l	91
7) Trichlorofluoromethane	2.53	101	893654	53.110	ug/l	99
8) Diethyl Ether	2.88	74	118686	49.958	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	512242	51.556	ug/l	100
10) Methyl Iodide	3.31	142	750254	53.369	ug/l #	98
11) Tert butyl alcohol	4.09	59	127729	300.263	ug/l	95
12) 1,1-Dichloroethene	3.13	96	383489	51.914	ug/l	95
13) Acrolein	3.04	56	97246	232.247	ug/l	98
14) Allyl chloride	3.62	41	567225	51.079	ug/l	96
15) Acrylonitrile	4.21	53	311990	276.891	ug/l	98
16) Acetone	3.23	43	446597	224.823	ug/l	93
17) Carbon Disulfide	3.38	76	1172167	50.278	ug/l	99
18) Methyl Acetate	3.65	43	198748	52.822	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	908582	61.502	ug/l	99
20) Methylene Chloride	3.82	84	434845	50.624	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	410490	52.807	ug/l	90
22) Diisopropyl ether	5.13	45	1261900	55.069	ug/l	97
23) Vinyl Acetate	5.07	43	3643063	273.468	ug/l	99
24) 1,1-Dichloroethane	4.99	63	789879	55.576	ug/l	97
25) 2-Butanone	6.09	43	498321	254.002	ug/l	97
26) 2,2-Dichloropropane	6.03	77	713728	50.418	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	464916	54.665	ug/l	94
28) Bromochloromethane	6.45	49	288967	50.166	ug/l	88
29) Tetrahydrofuran	6.47	42	240763	263.364	ug/l	95
30) Chloroform	6.68	83	951029	53.834	ug/l	94
31) Cyclohexane	6.96	56	419509	47.546	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	930695	55.074	ug/l	96
36) 1,1-Dichloropropene	7.16	75	611619	52.876	ug/l	98
37) Ethyl Acetate	6.19	43	258571	53.347	ug/l	99
38) Carbon Tetrachloride	7.12	117	1010363	57.957	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	496635	50.492	ug/l	98
40) Benzene	7.46	78	1359102	53.393	ug/l	99
41) Methacrylonitrile	6.46	41	334614	54.830	ug/l	97
42) 1,2-Dichloroethane	7.59	62	701073	54.774	ug/l	98
43) Isopropyl Acetate	9.25	43	354661	54.634	ug/l	90
44) Trichloroethene	8.55	130	501295	51.524	ug/l	93
45) 1,2-Dichloropropane	8.95	63	333929	56.332	ug/l	99
46) Dibromomethane	9.07	93	296883	58.646	ug/l	94
47) Bromodichloromethane	9.38	83	776434	59.794	ug/l	97
48) Methyl methacrylate	9.13	41	250287	56.852	ug/l	90
49) 1,4-Dioxane	9.10	88	42202	1071.662	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	1215794	273.703	ug/l	95
52) Toluene	10.52	92	929751	56.708	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	629438	59.397	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	653877	54.722	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	318211	57.457	ug/l	97
56) Ethyl methacrylate	11.05	69	326067	54.243	ug/l	96
57) 1,3-Dichloropropane	11.41	76	468763	55.995	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	816218	257.196	ug/l	97
59) 2-Hexanone	11.54	43	903572	279.559	ug/l	93
60) Dibromochloromethane	11.70	129	602795	59.814	ug/l	100
61) 1,2-Dibromoethane	11.82	107	390496	58.243	ug/l	94
64) Tetrachloroethene	11.26	164	460682	51.102	ug/l	97
65) Chlorobenzene	12.41	112	1141133	52.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	528342	54.851	ug/l	87
67) Ethyl Benzene	12.52	91	1969317	51.748	ug/l	98
68) m/p-Xylenes	12.67	106	1396426	104.443	ug/l	98
69) o-Xylene	13.06	106	649521	50.474	ug/l	99
70) Styrene	13.08	104	1131288	49.423	ug/l	95
71) Bromoform	13.24	173	368004	55.718	ug/l	92
73) Isopropylbenzene	13.41	105	2080344	54.730	ug/l	98
74) N-amyl acetate	13.27	43	550936	57.739	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	358038	56.749	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	370236	53.982	ug/l	93
77) Bromobenzene	13.68	156	573589	55.214	ug/l	89
78) n-propylbenzene	13.77	91	2335203	52.507	ug/l	94
79) 2-Chlorotoluene	13.84	91	1445699	56.378	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1805614	54.367	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	99244	53.838	ug/l	94
82) 4-Chlorotoluene	13.95	91	1657386	53.749	ug/l	97
83) tert-Butylbenzene	14.20	119	1940291	55.480	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1803564	58.692	ug/l	91
85) sec-Butylbenzene	14.37	105	2005410	53.995	ug/l	98
86) p-Isopropyltoluene	14.49	119	1888396	53.177	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	1038386	55.260	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	919479	51.002	ug/l	97
89) n-Butylbenzene	14.80	91	1677846	51.768	ug/l	93
90) Hexachloroethane	15.01	117	526434	58.979	ug/l	82
91) 1,2-Dichlorobenzene	14.82	146	850368	53.339	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	64054	53.919	ug/l	95

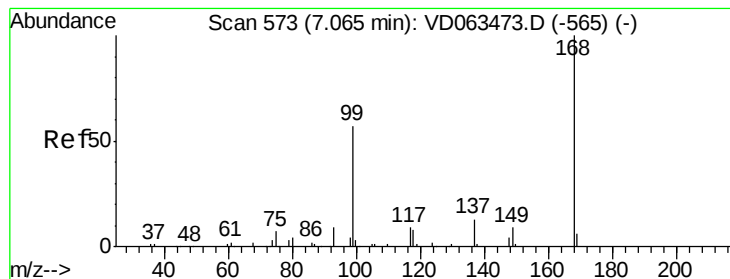
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	645946	55.063	ug/l	97
94) Hexachlorobutadiene	16.04	225	452254	50.584	ug/l	96
95) Naphthalene	16.13	128	992070	55.802	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	512197	54.058	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

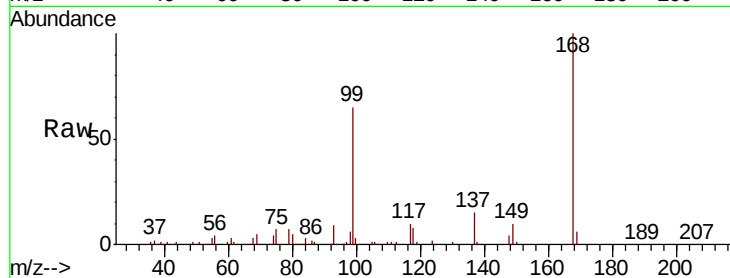
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 914183

Ion Ratio Lower Upper

168 100

99 64.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

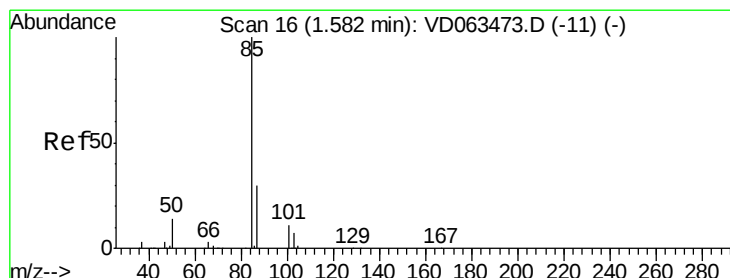
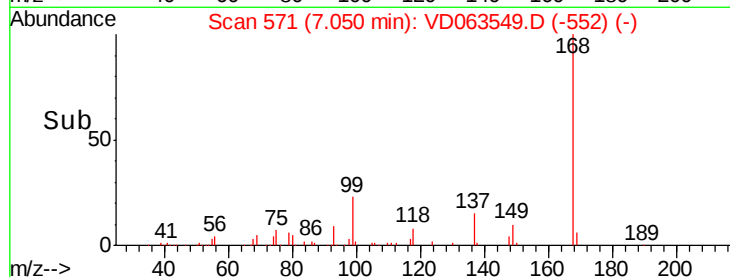
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 48.430 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063549.D

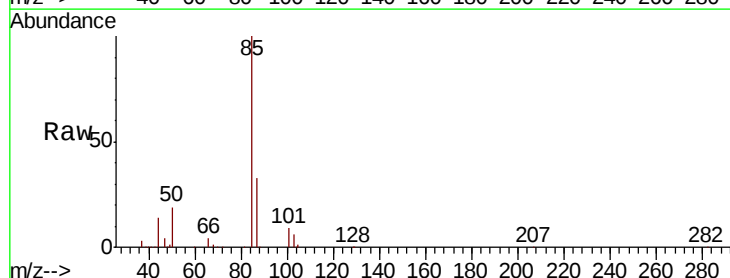
Acq: 14 Aug 2019 1:41

Tgt Ion: 85 Resp: 535641

Ion Ratio Lower Upper

85 100

87 33.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

300000

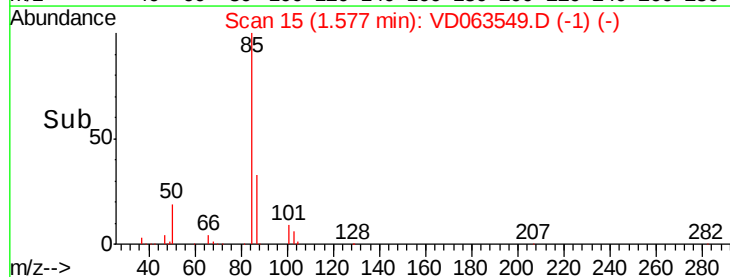
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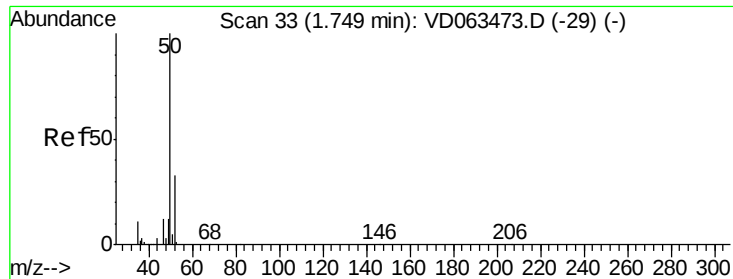
100000

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Time-->

1.50 1.60 1.70

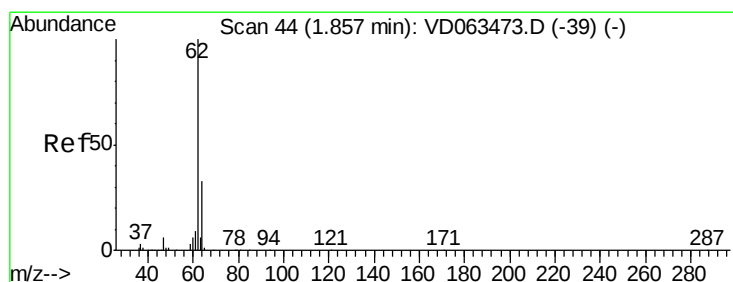
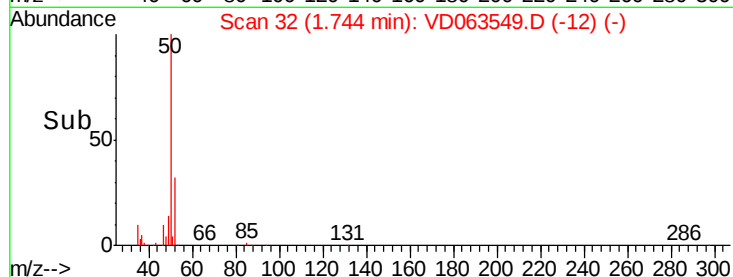
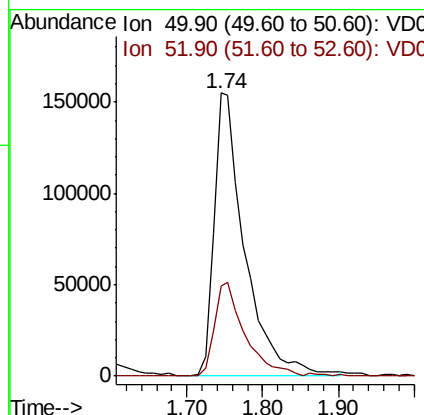
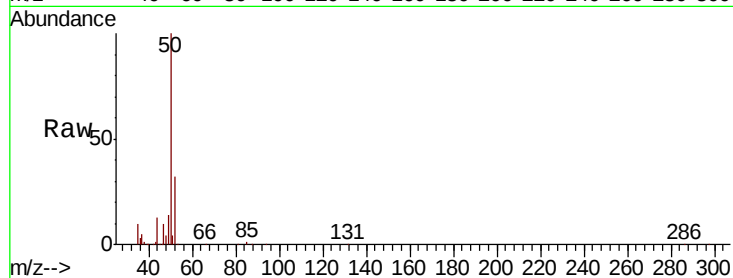




#3
Chloromethane
Concen: 50.819 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

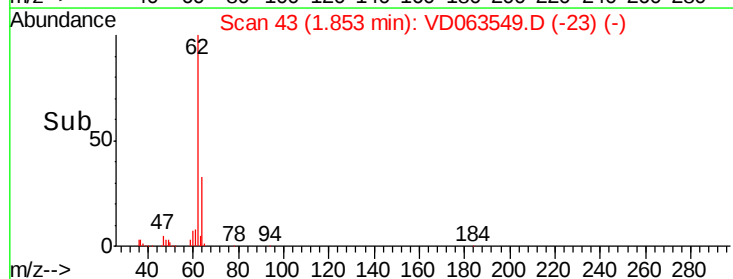
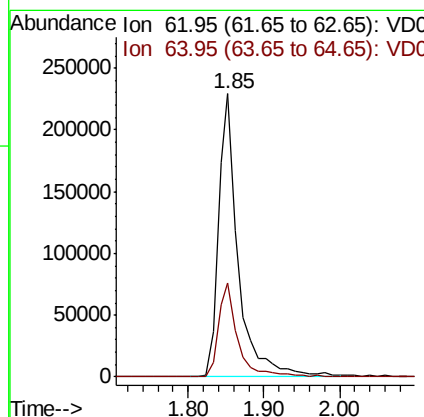
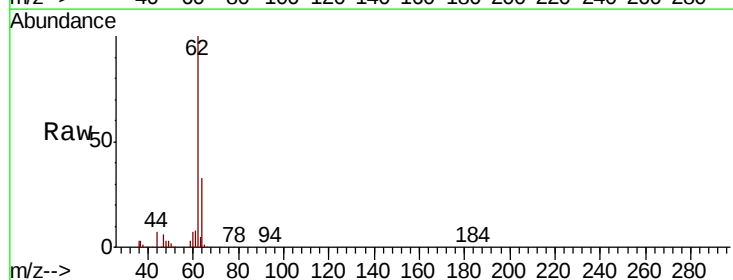
Instrument :
MSVOA_D
ClientSampleId :

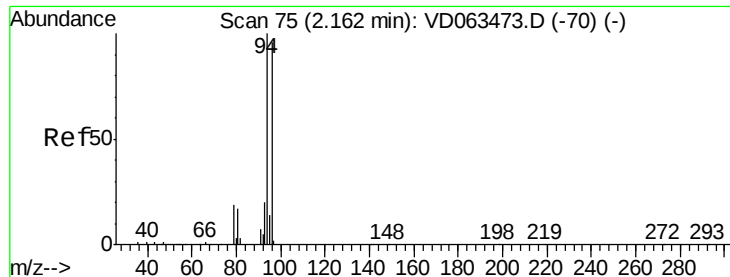
Tot Ion: 50 Resp: 439140
Ion Ratio Lower Upper
50 100
52 32.0 26.6 40.0



#4
Vinyl Chloride
Concen: 48.798 ug/l
RT: 1.85 min Scan# 43
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 62 Resp: 418603
Ion Ratio Lower Upper
62 100
64 33.2 26.4 39.6





#5

Bromomethane

Concen: 60.689 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

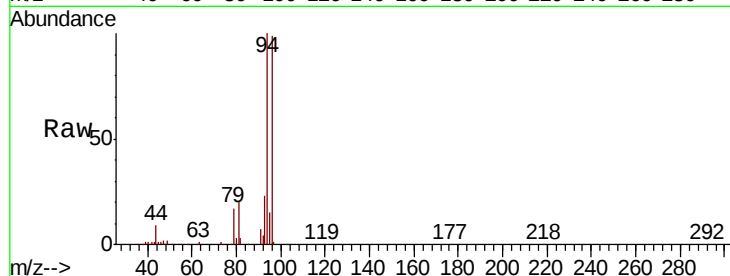
Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 245650

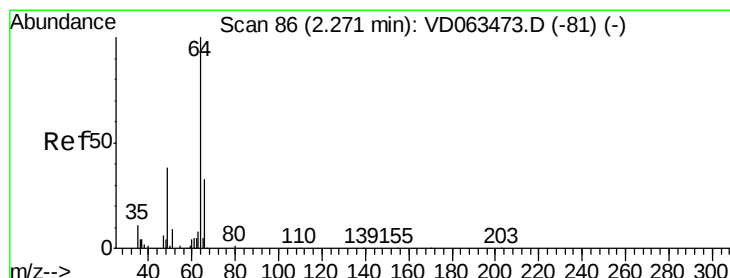
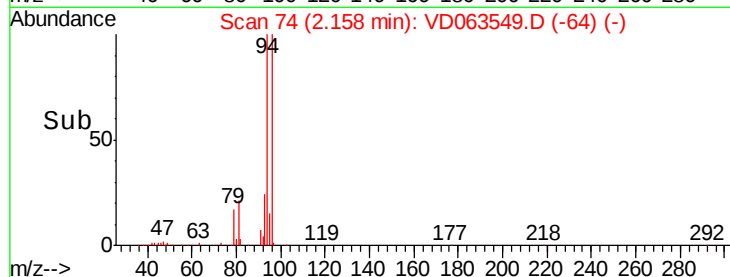
Ion	Ratio	Lower	Upper
94	100		
96	99.0	76.5	114.7
93	23.3	15.8	23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 55.637 ug/l

RT: 2.27 min Scan# 85

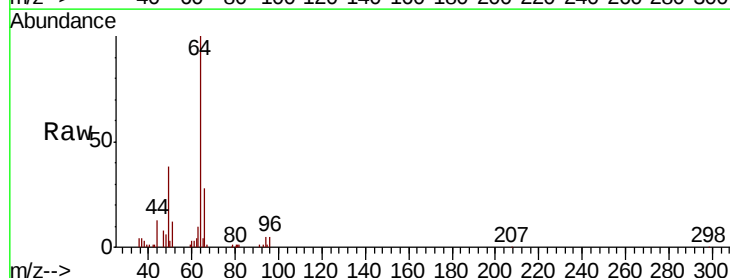
Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

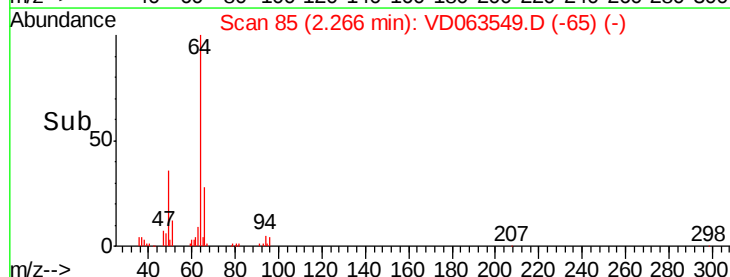
Tgt Ion: 64 Resp: 218253

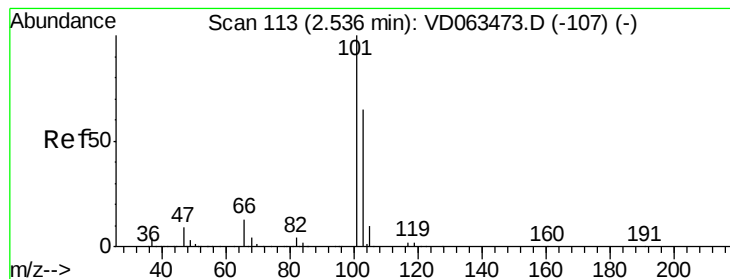
Ion	Ratio	Lower	Upper
64	100		
66	27.6	26.3	39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



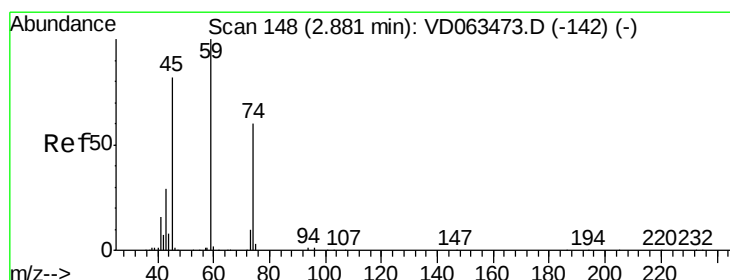
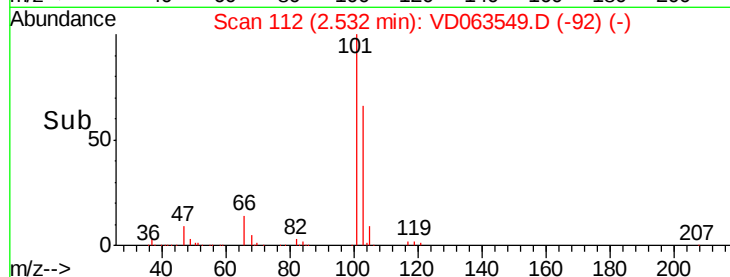
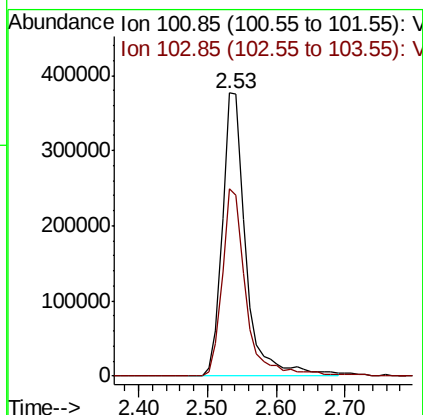
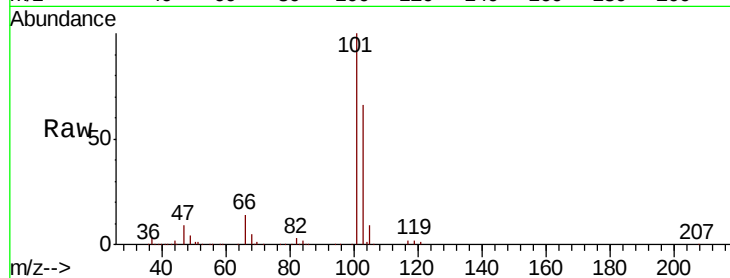


#7

Trichlorofluoromethane
Concen: 53.110 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

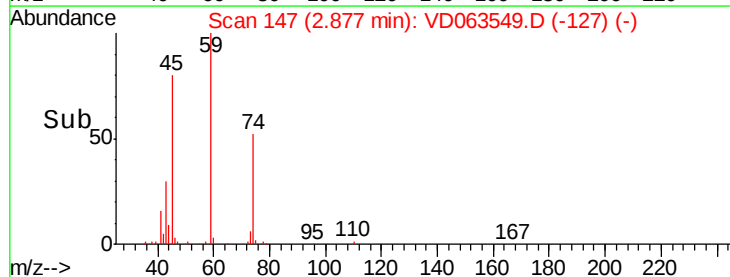
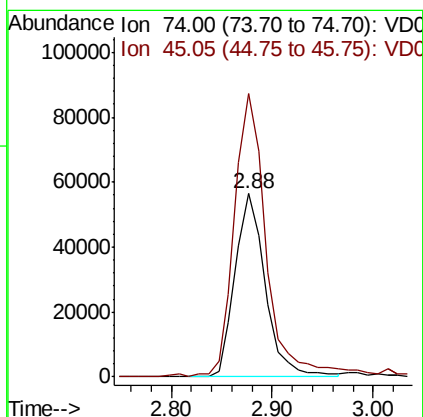
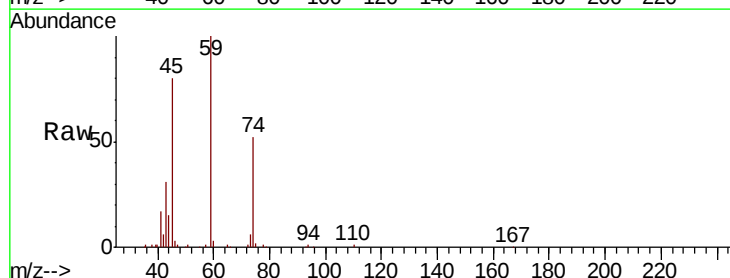
Tot Ion:101 Resp: 893654
Ion Ratio Lower Upper
101 100
103 66.2 52.2 78.4

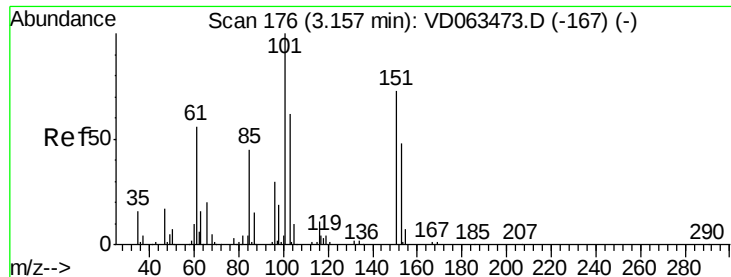


#8

Diethyl Ether
Concen: 49.958 ug/l
RT: 2.88 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 74 Resp: 118686
Ion Ratio Lower Upper
74 100
45 154.5 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.556 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampled :

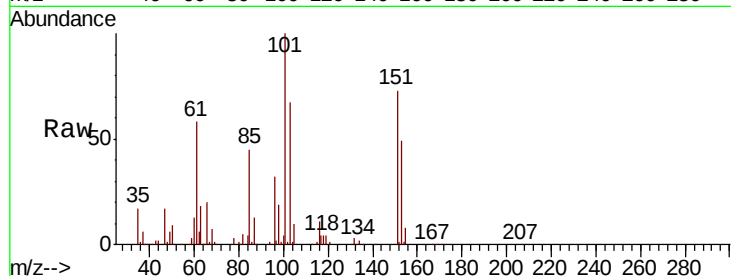
Tot Ion:101 Resp: 512242

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

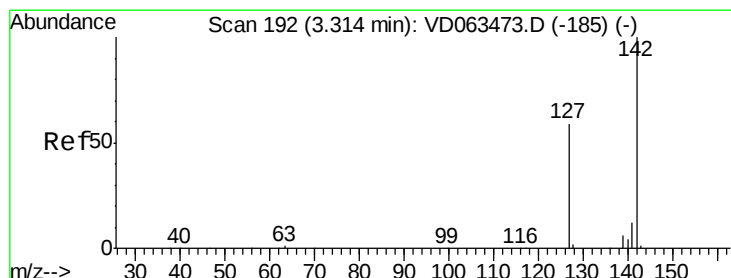
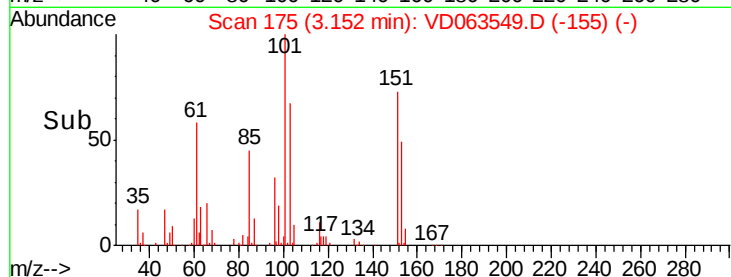
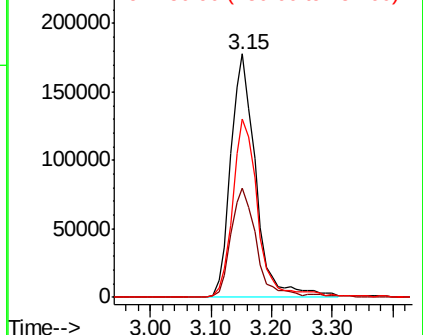
151 73.1 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 53.369 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

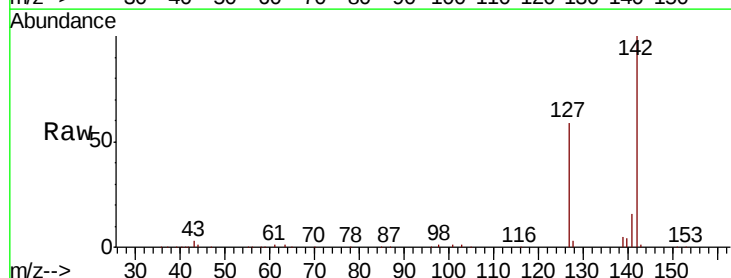
Tgt Ion:142 Resp: 750254

Ion Ratio Lower Upper

142 100

127 58.9 47.2 70.8

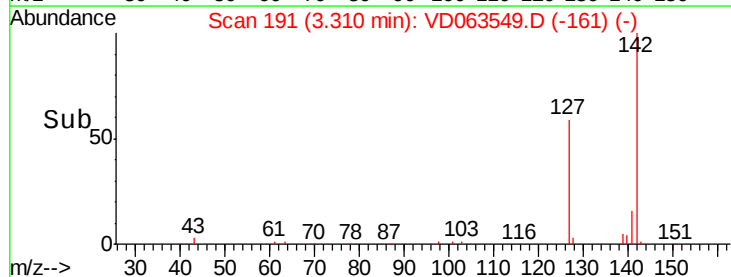
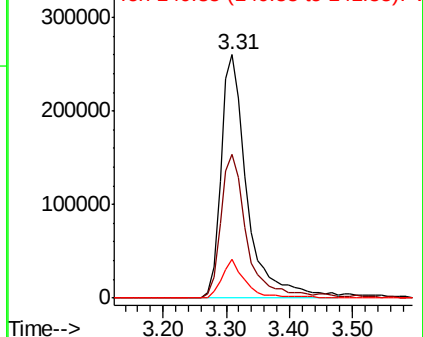
141 16.1 9.8 14.8#

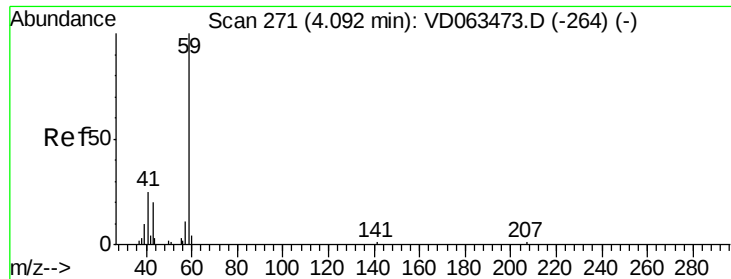


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



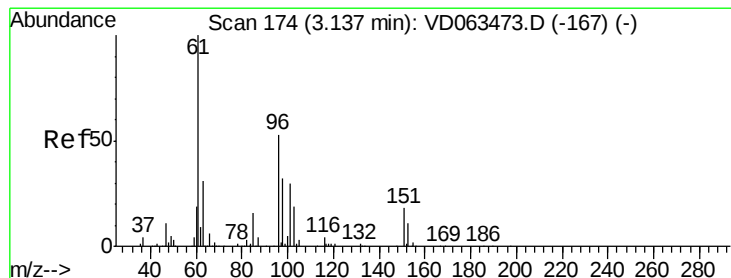
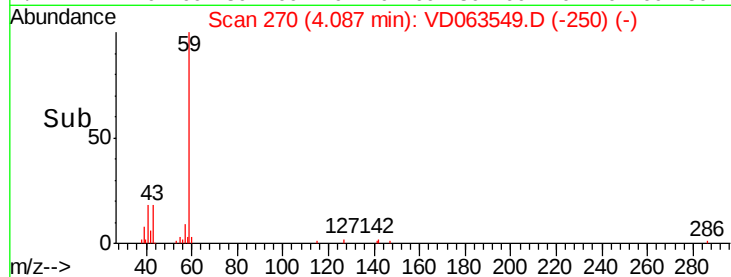
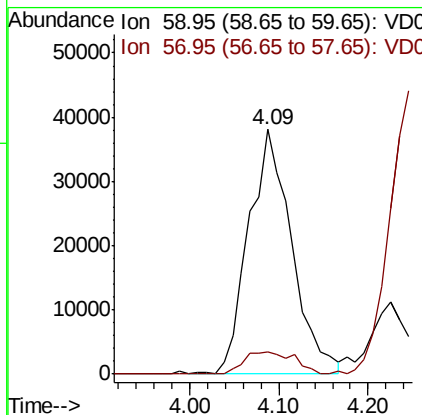
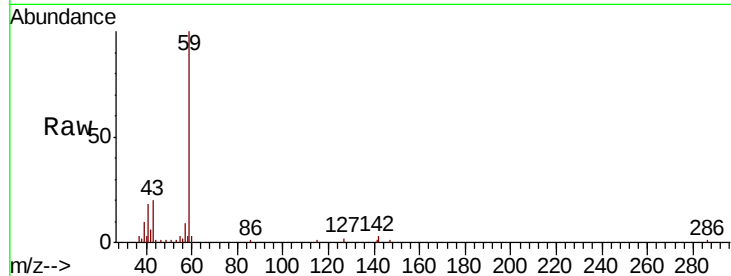


#11

Tert butyl alcohol
Concen: 300.263 ug/l
RT: 4.09 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

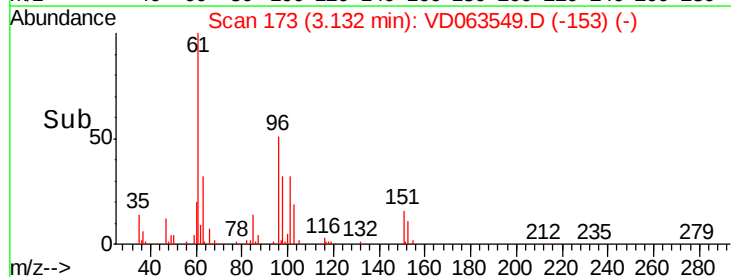
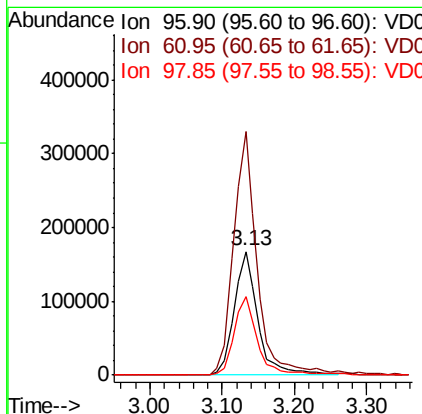
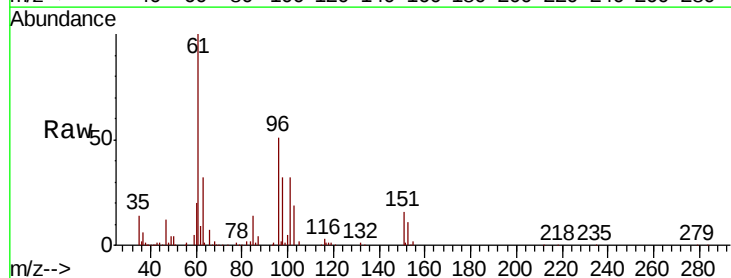
Tot Ion: 59 Resp: 127729
Ion Ratio Lower Upper
59 100
57 8.9 8.7 13.1

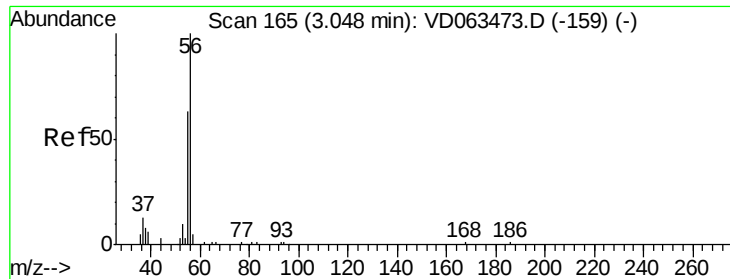


#12

1,1-Dichloroethene
Concen: 51.914 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 96 Resp: 383489
Ion Ratio Lower Upper
96 100
61 196.6 151.7 227.5
98 63.4 48.4 72.6





#13

Acrolein

Concen: 232.247 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

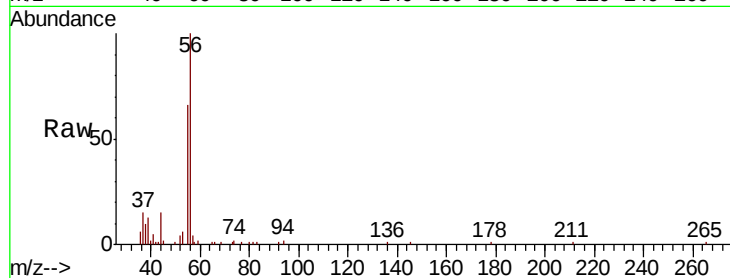
ClientSampleId :

Tot Ion: 56 Resp: 97246

Ion Ratio Lower Upper

56 100

55 66.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

40000

30000

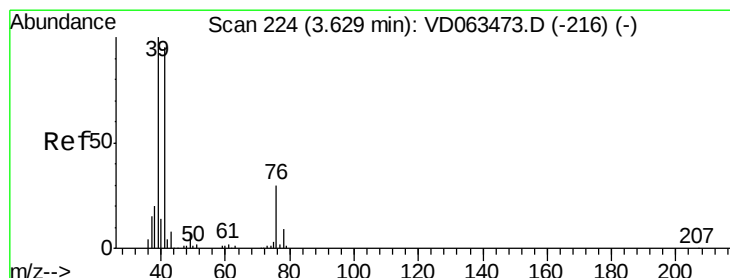
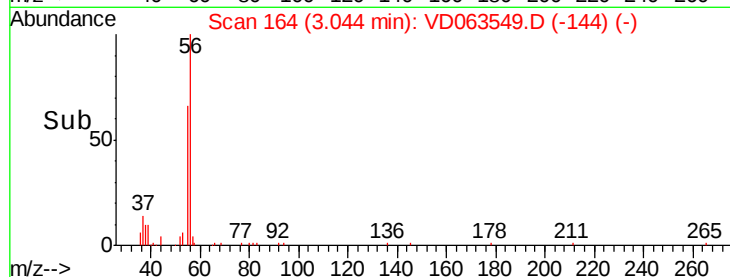
20000

10000

0

Time-->

2.95 3.00 3.05 3.10



#14

Allyl chloride

Concen: 51.079 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

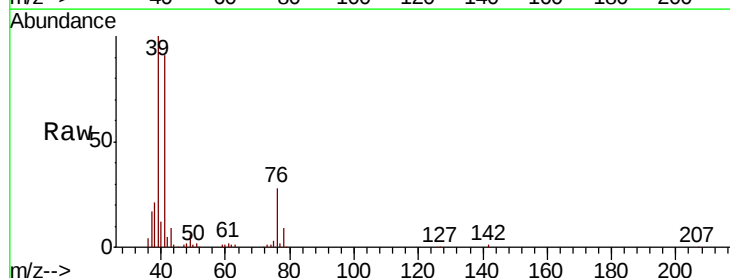
Tgt Ion: 41 Resp: 567225

Ion Ratio Lower Upper

41 100

39 109.6 84.2 126.4

76 31.1 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

300000

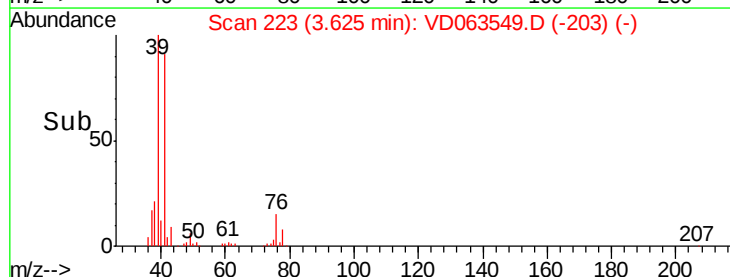
200000

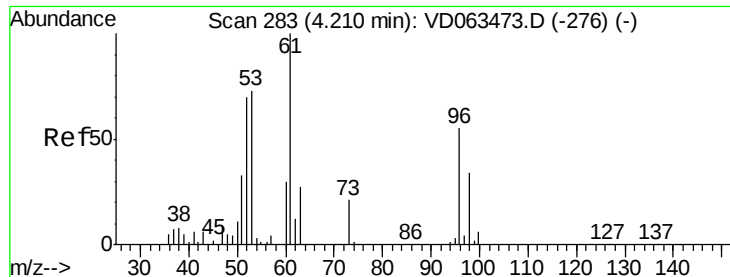
100000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 276.891 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

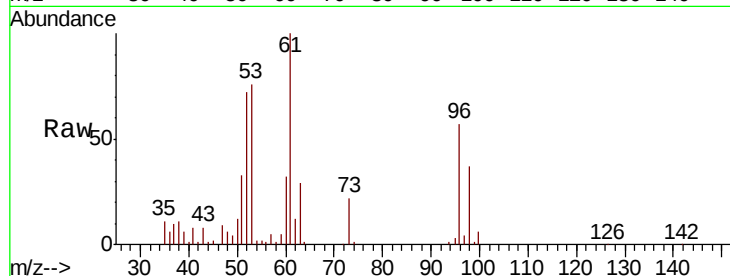
Tot Ion: 53 Resp: 311990

Ion Ratio Lower Upper

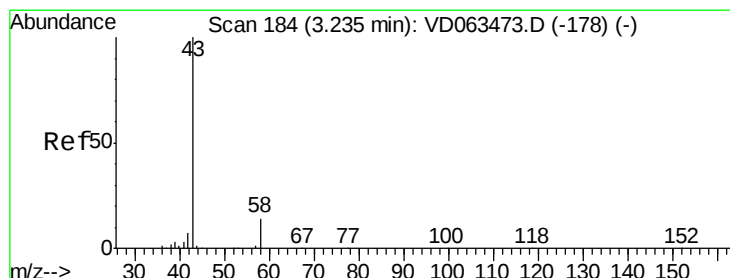
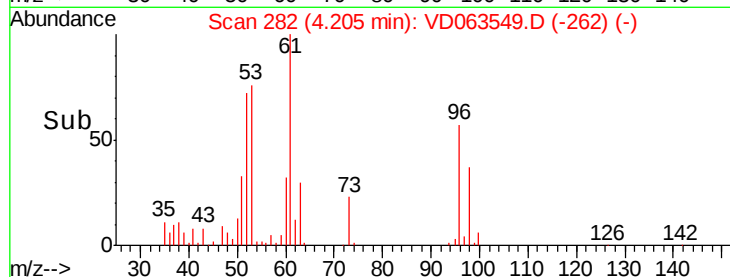
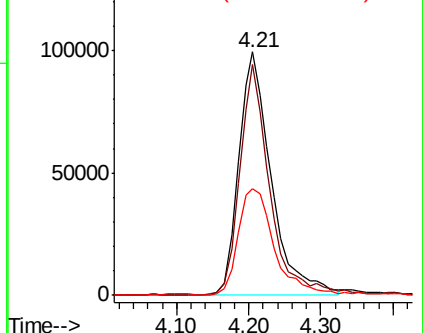
53 100

52 95.0 77.4 116.0

51 43.9 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 224.823 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063549.D

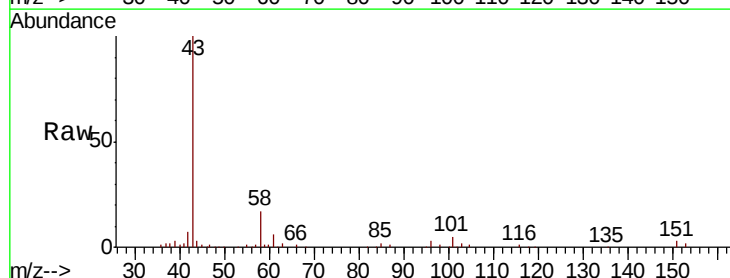
Acq: 14 Aug 2019 1:41

Tgt Ion: 43 Resp: 446597

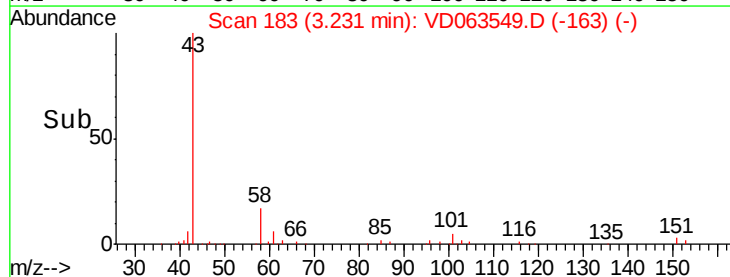
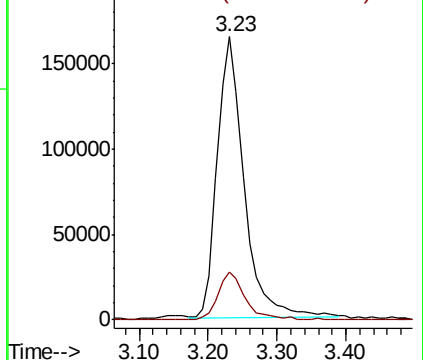
Ion Ratio Lower Upper

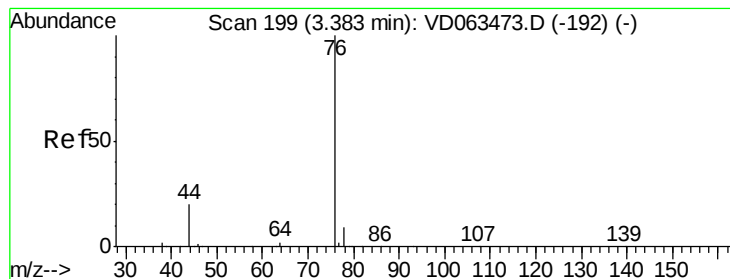
43 100

58 17.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 50.278 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

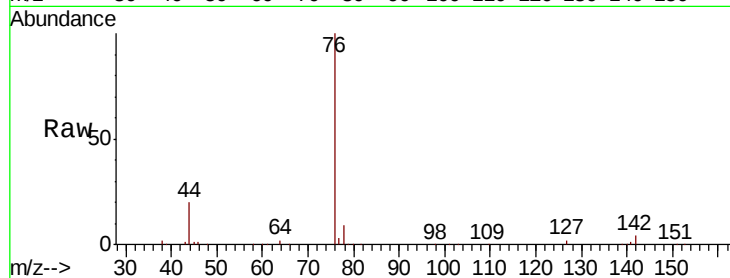
ClientSampleId :

Tot Ion: 76 Resp: 1172167

Ion Ratio Lower Upper

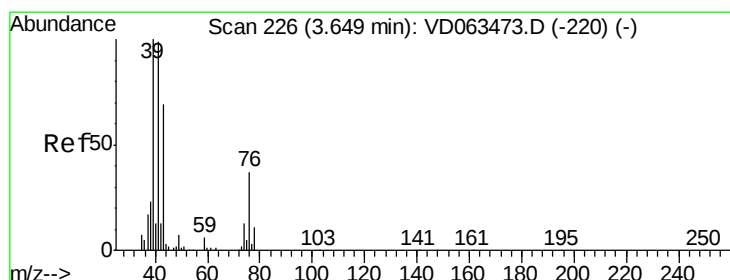
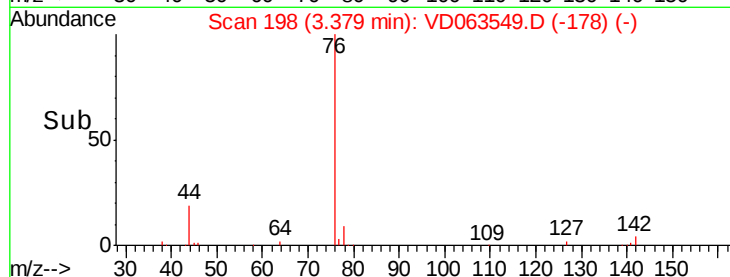
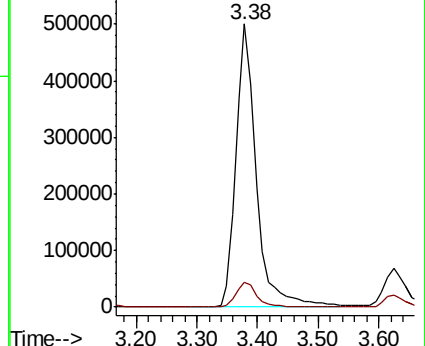
76 100

78 9.0 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 52.822 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD063549.D

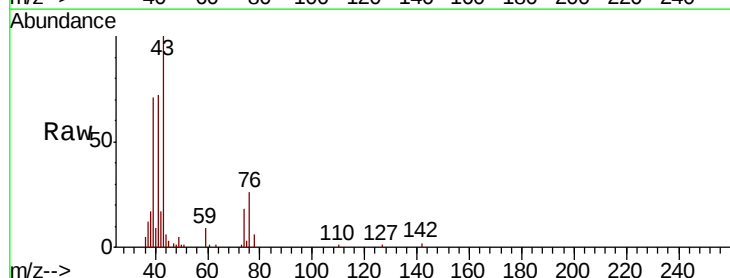
Acq: 14 Aug 2019 1:41

Tgt Ion: 43 Resp: 198748

Ion Ratio Lower Upper

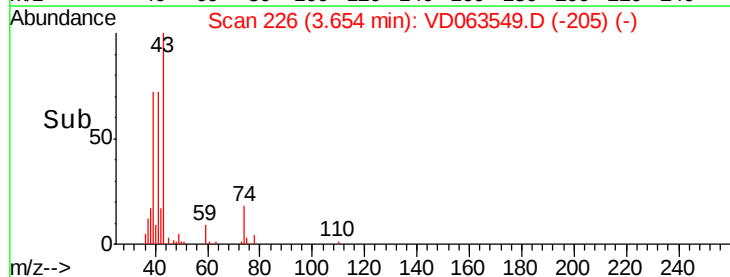
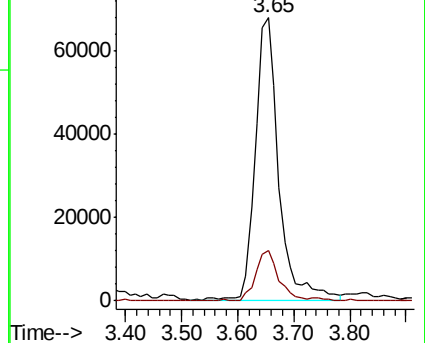
43 100

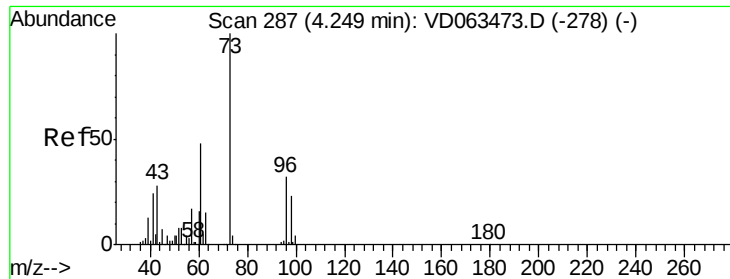
74 17.6 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

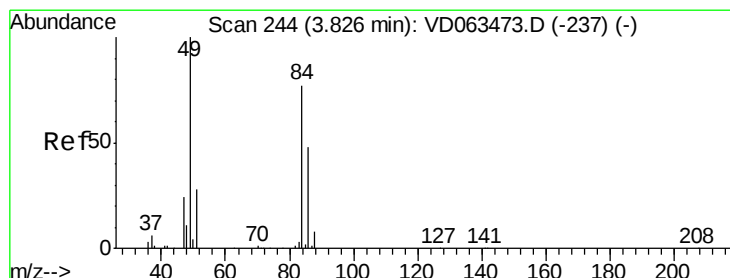
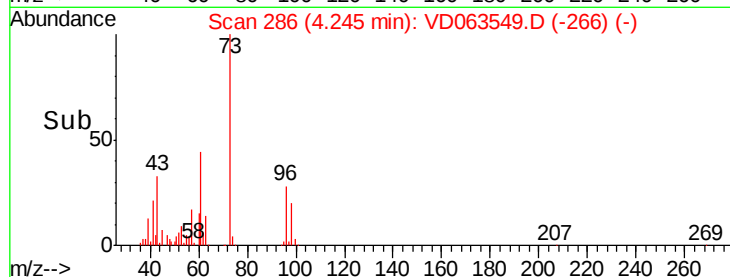
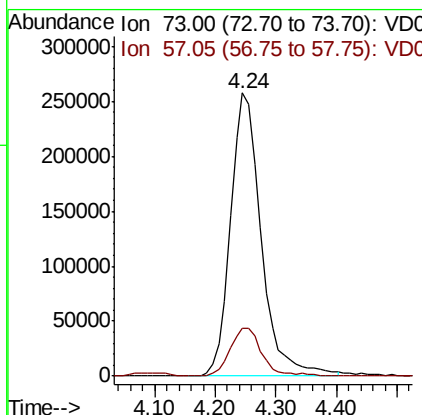
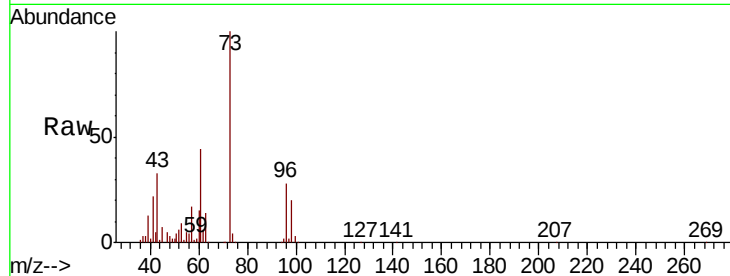




#19
Methvl tert-butvl Ether
Concen: 61.502 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

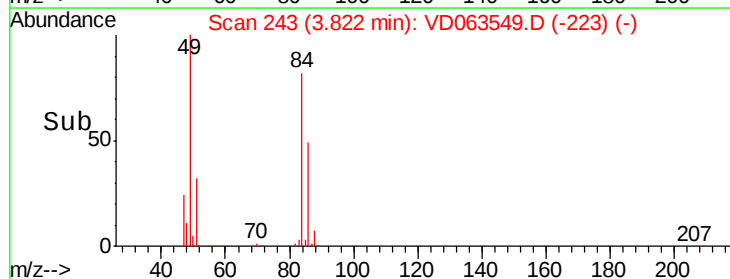
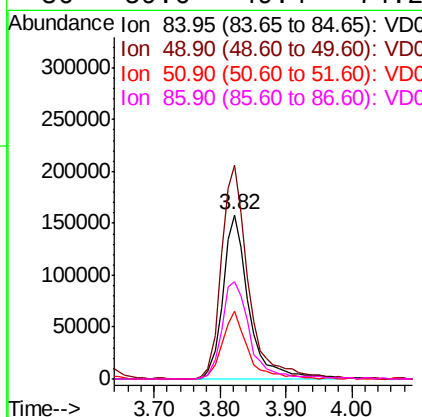
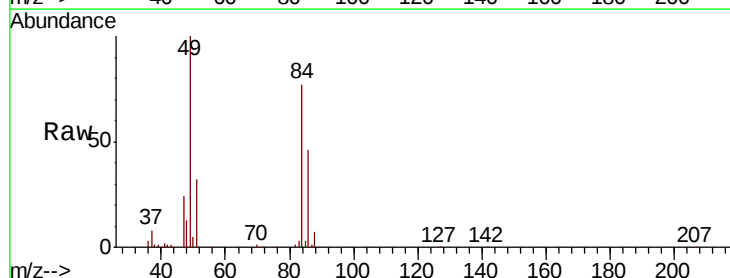
Instrument :
MSVOA_D
ClientSampled :

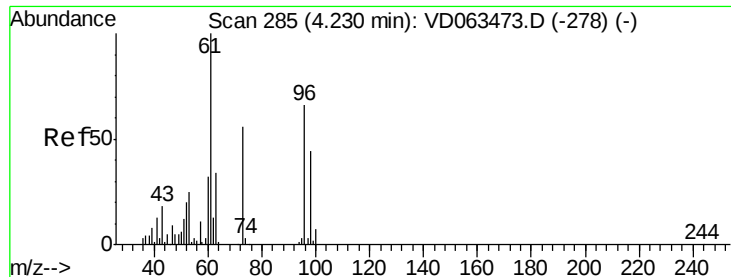
Tot Ion: 73 Resp: 908582
Ion Ratio Lower Upper
73 100
57 17.1 14.0 21.0



#20
Methylene Chloride
Concen: 50.624 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 84 Resp: 434845
Ion Ratio Lower Upper
84 100
49 129.9 103.4 155.2
51 41.3 28.5 42.7
86 59.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 52.807 ug/l

RT: 4.23 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

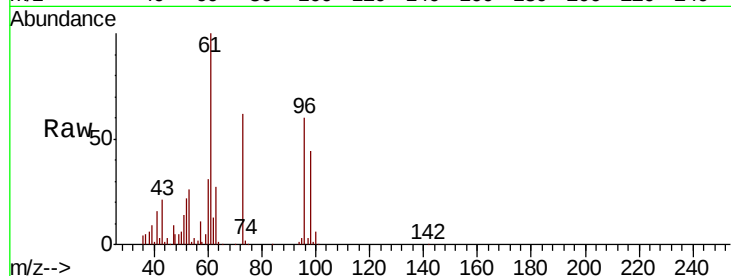
Tot Ion: 96 Resp: 410490

Ion Ratio Lower Upper

96 100

61 167.3 121.7 182.5

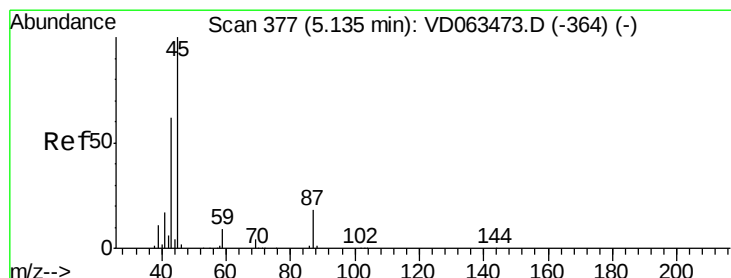
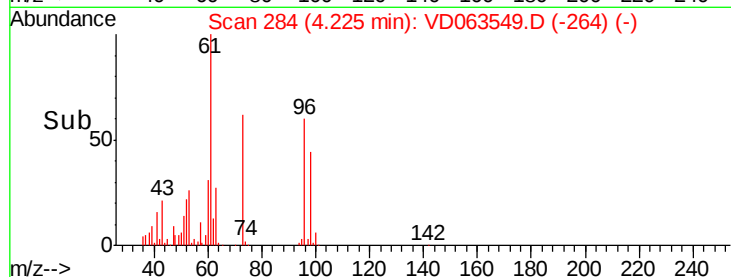
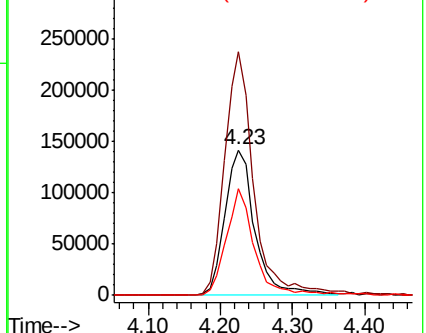
98 73.3 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.069 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Tgt Ion: 45 Resp: 1261900

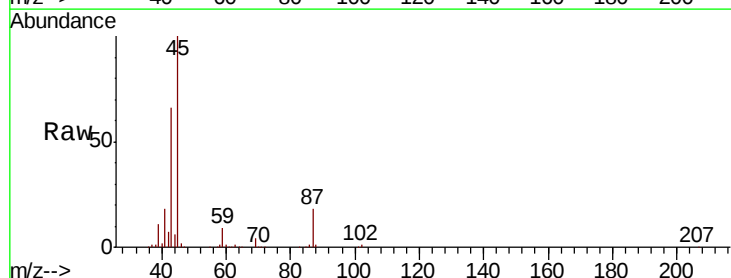
Ion Ratio Lower Upper

45 100

43 65.7 50.3 75.5

87 18.4 14.3 21.5

59 9.0 7.7 11.5

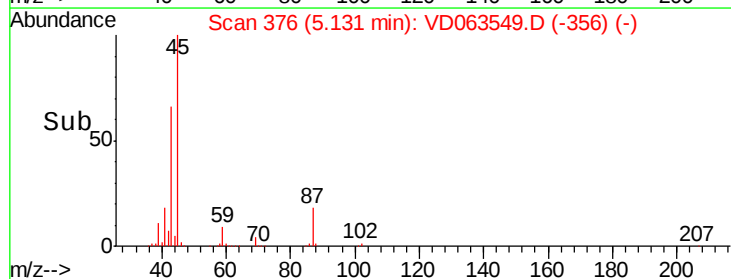
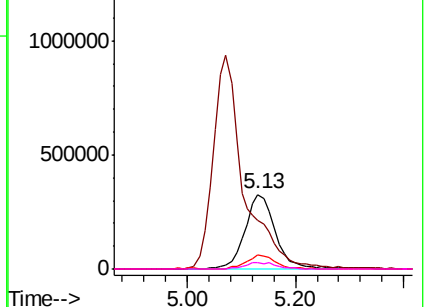


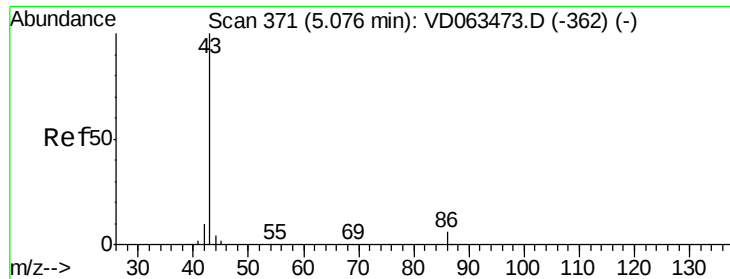
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 273.468 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

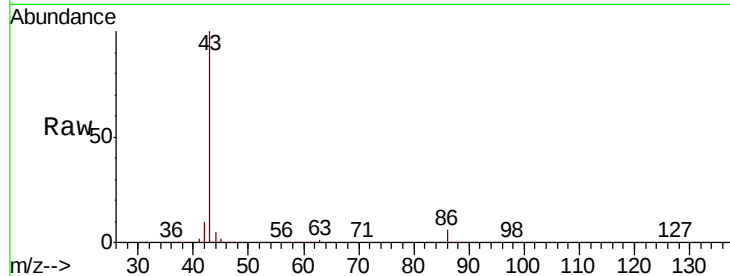
ClientSampled :

Tot Ion: 43 Resp: 3643063

Ion Ratio Lower Upper

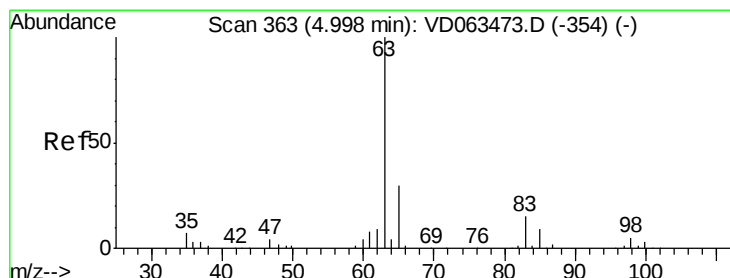
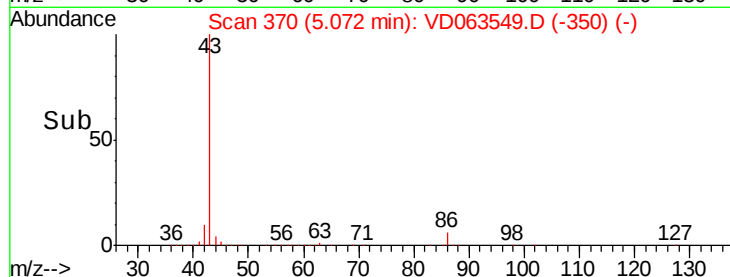
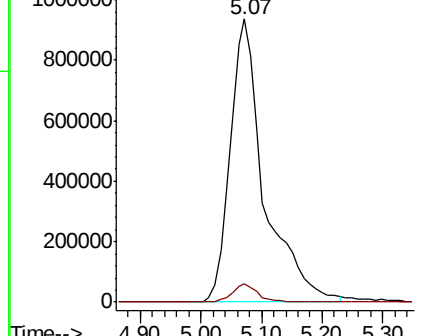
43 100

86 6.4 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.576 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

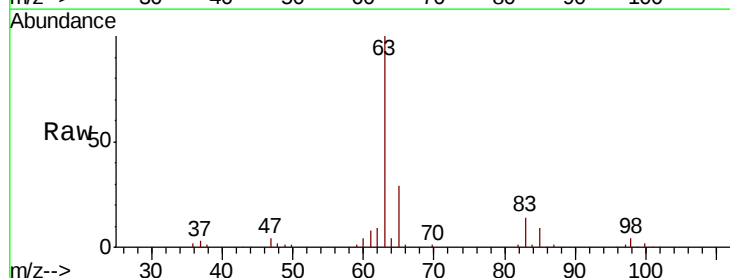
Tgt Ion: 63 Resp: 789879

Ion Ratio Lower Upper

63 100

98 3.6 2.4 7.2

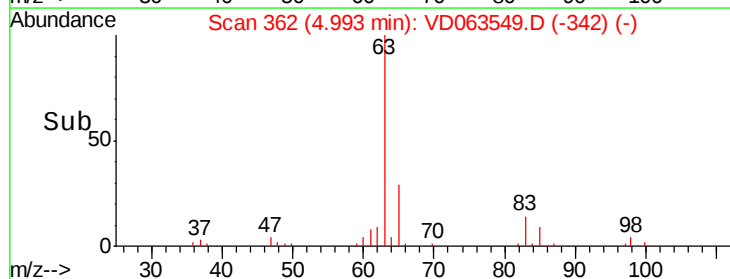
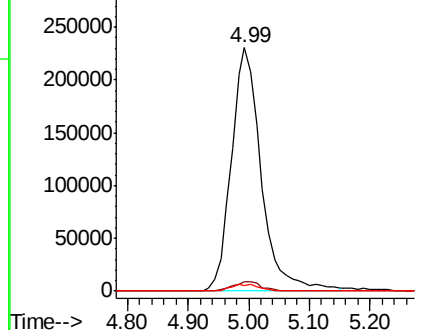
100 2.1 1.3 3.8

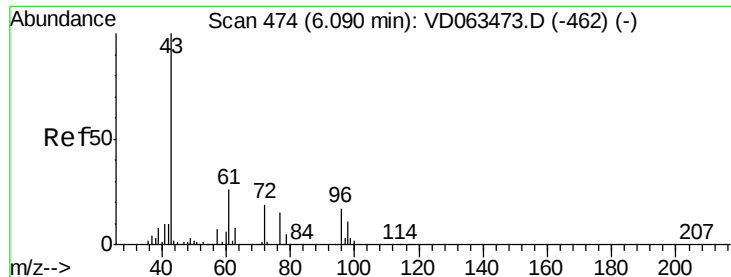


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 254.002 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

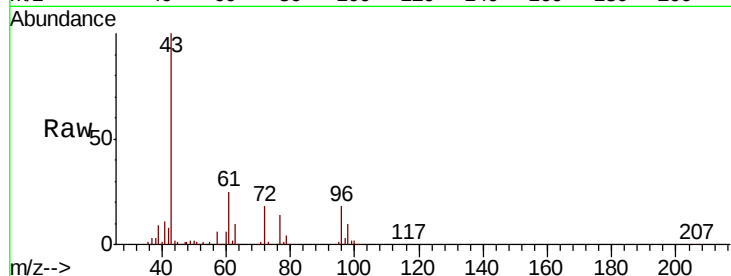
ClientSampleId :

Tot Ion: 43 Resp: 498321

Ion Ratio Lower Upper

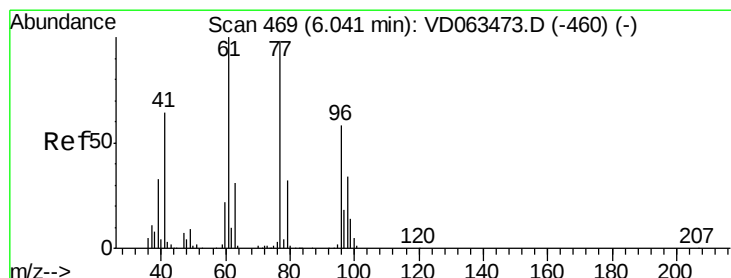
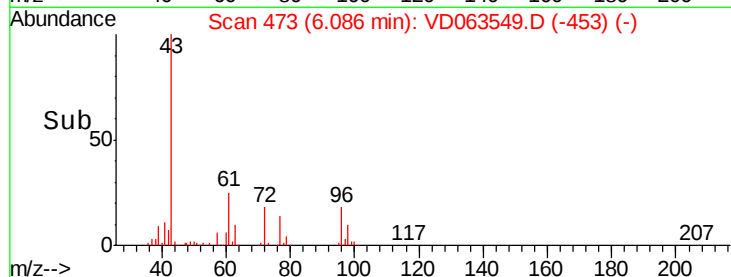
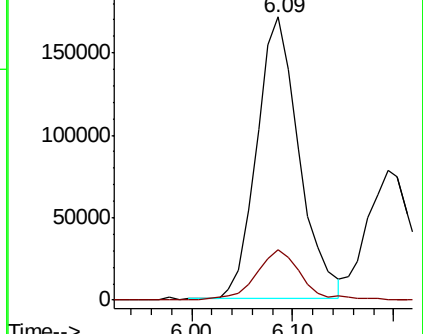
43 100

72 17.7 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.418 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063549.D

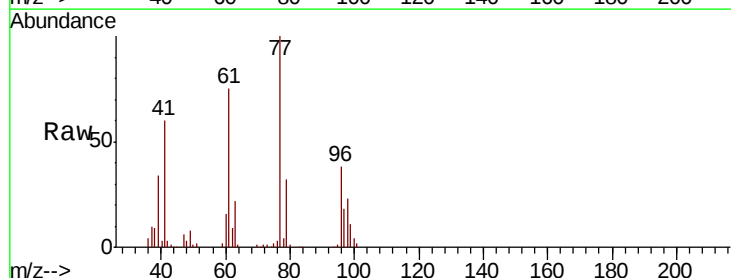
Acq: 14 Aug 2019 1:41

Tgt Ion: 77 Resp: 713728

Ion Ratio Lower Upper

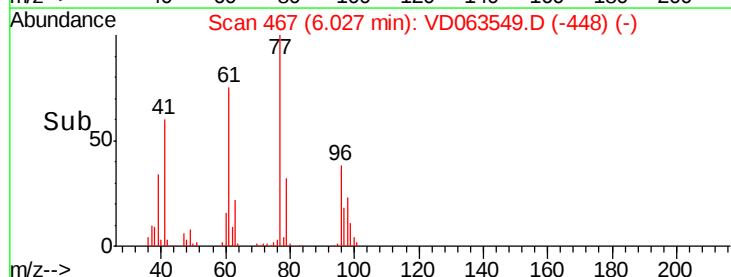
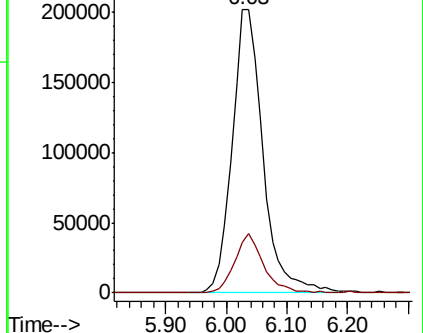
77 100

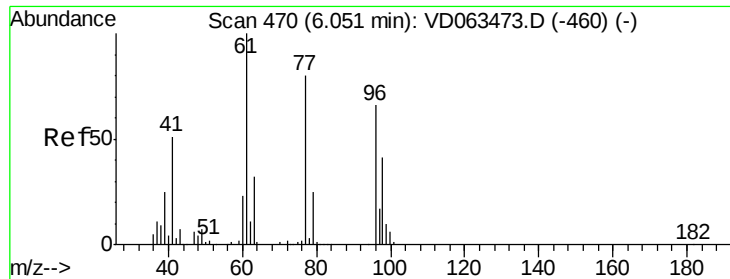
97 18.0 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



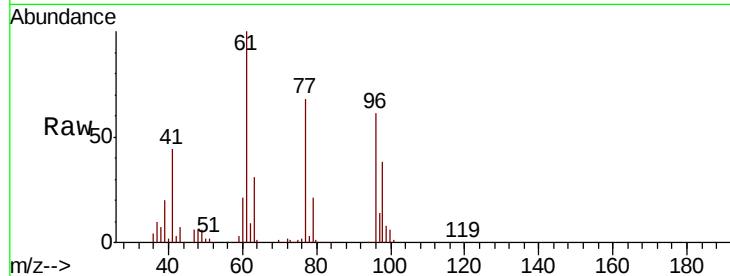


#27

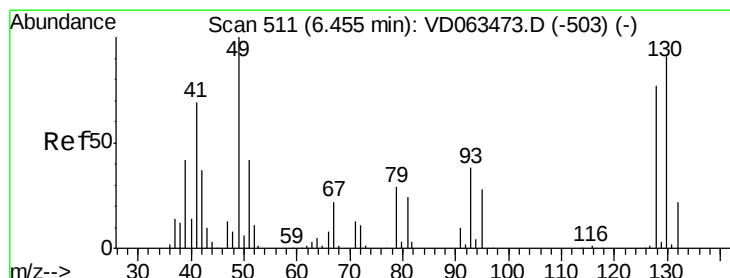
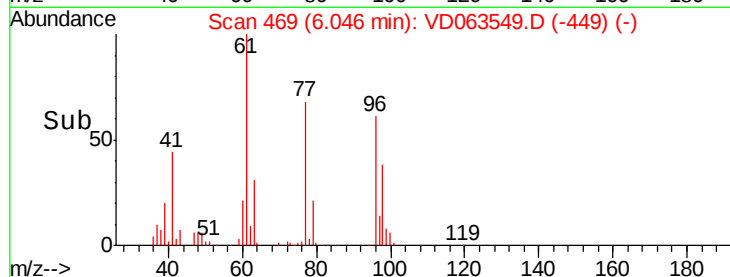
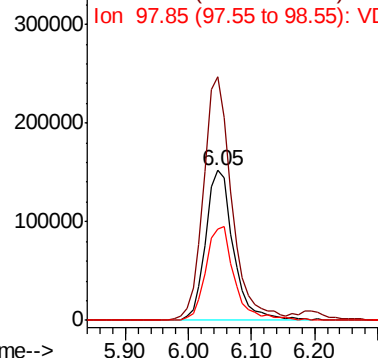
cis-1,2-Dichloroethene
Concen: 54.665 ug/l
RT: 6.05 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	304.0
98	61.2	0.0	124.8



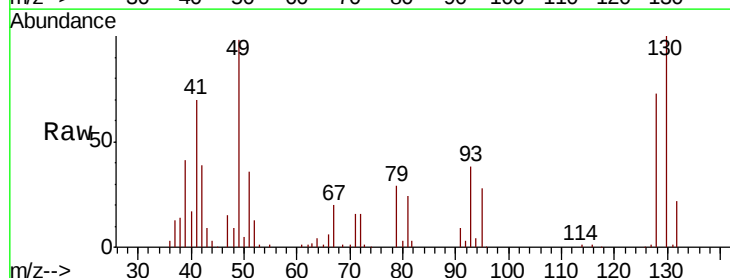
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



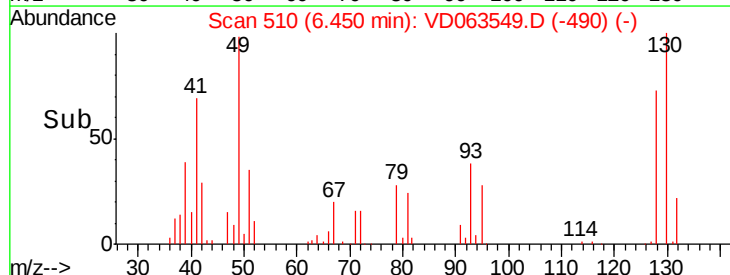
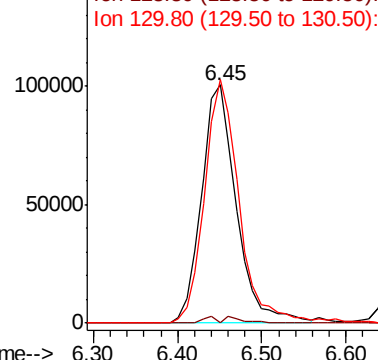
#28

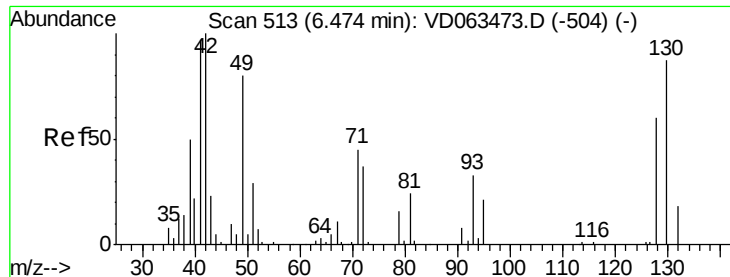
Bromochloromethane
Concen: 50.166 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	102.3	72.4	108.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

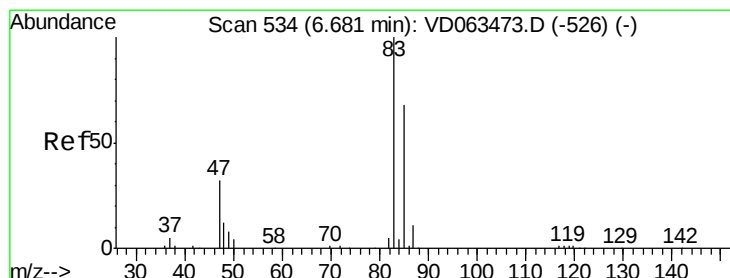
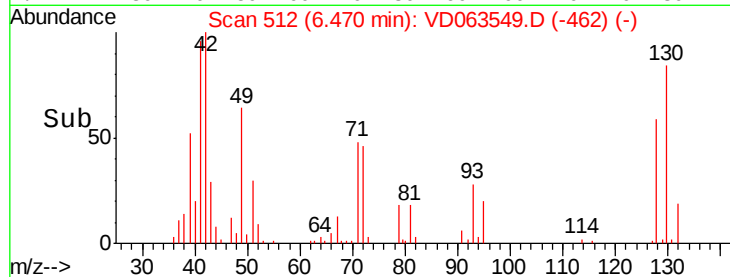
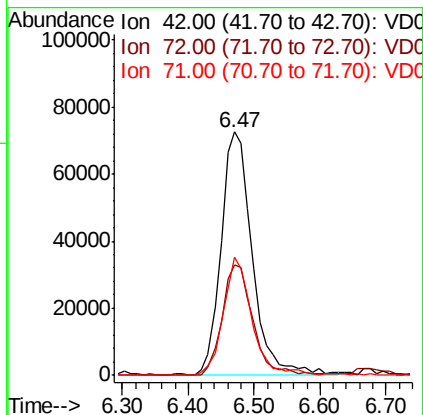
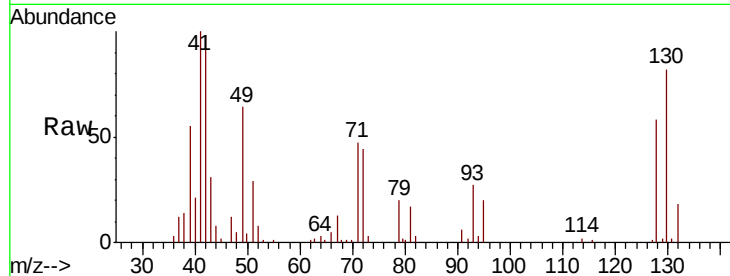




#29
Tetrahydrofuran
Concen: 263.364 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

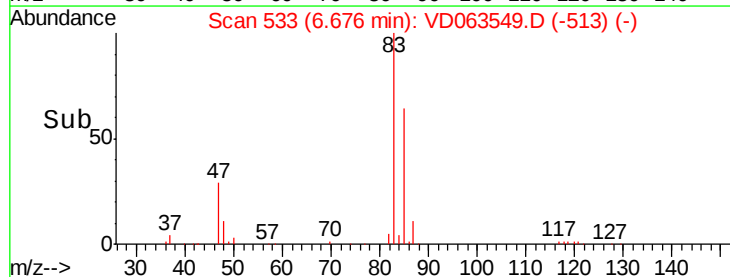
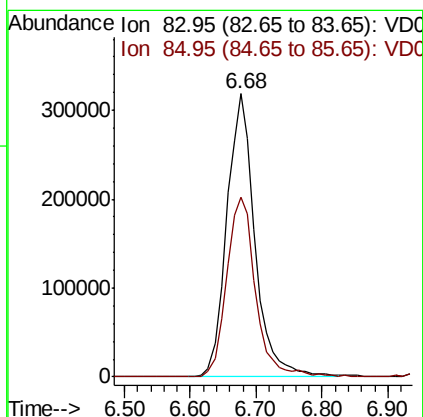
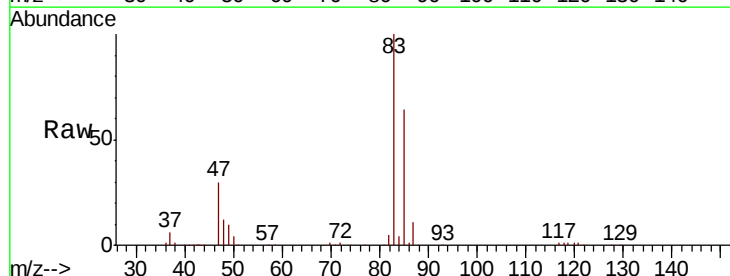
Instrument :
MSVOA_D
ClientSampled :

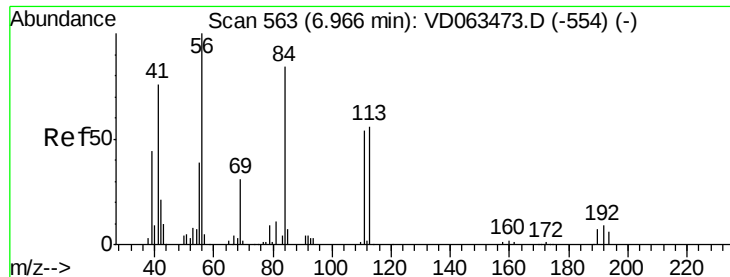
Tot Ion: 42 Resp: 240763
Ion Ratio Lower Upper
42 100
72 44.4 31.5 47.3
71 44.1 33.8 50.8



#30
Chloroform
Concen: 53.834 ug/l
RT: 6.68 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 83 Resp: 951029
Ion Ratio Lower Upper
83 100
85 63.7 54.8 82.2

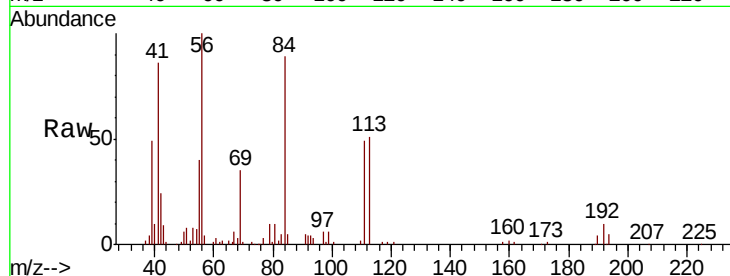




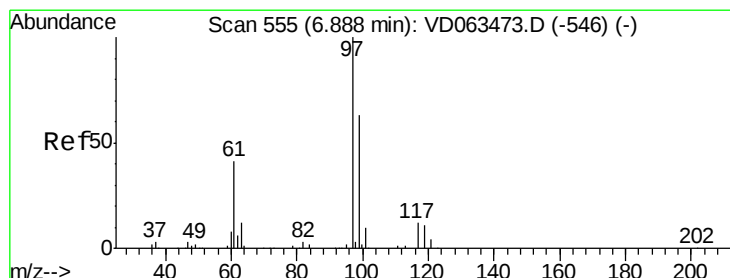
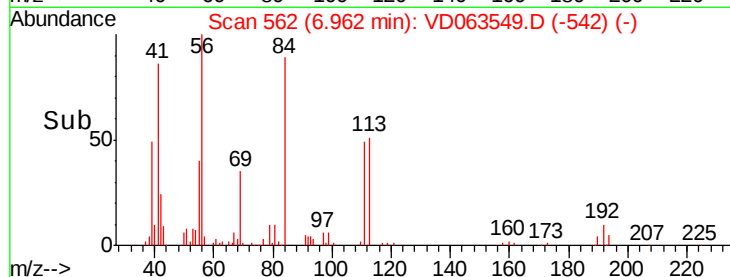
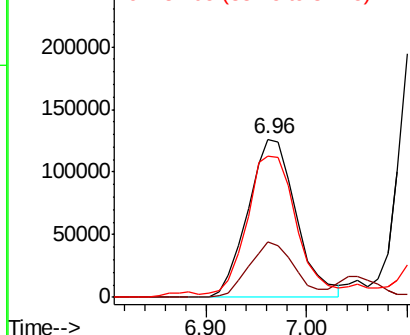
#31
Cyclohexane
Concen: 47.546 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 419509
Ion Ratio Lower Upper
56 100
69 35.1 25.0 37.6
84 89.0 69.7 104.5

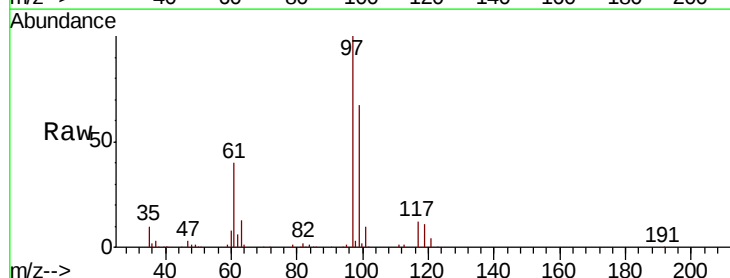


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

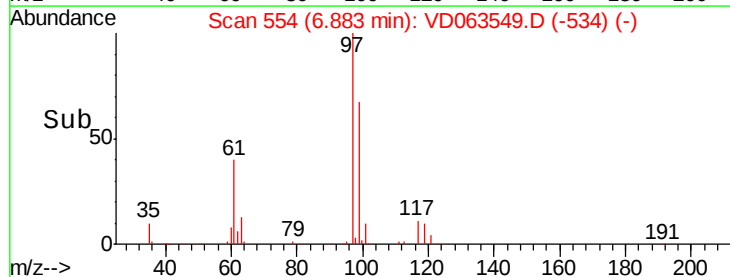
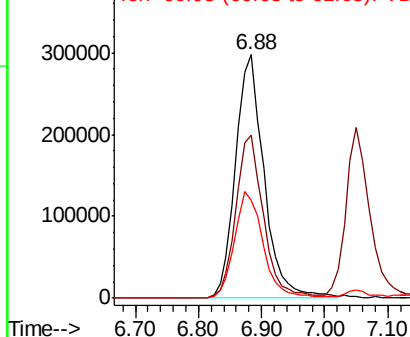


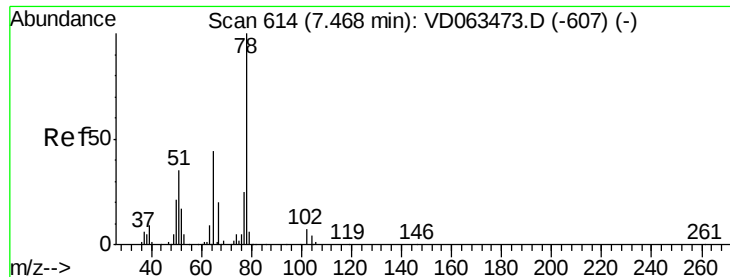
#32
1,1,1-Trichloroethane
Concen: 55.074 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 97 Resp: 930695
Ion Ratio Lower Upper
97 100
99 67.1 50.2 75.4
61 40.0 33.1 49.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.623 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

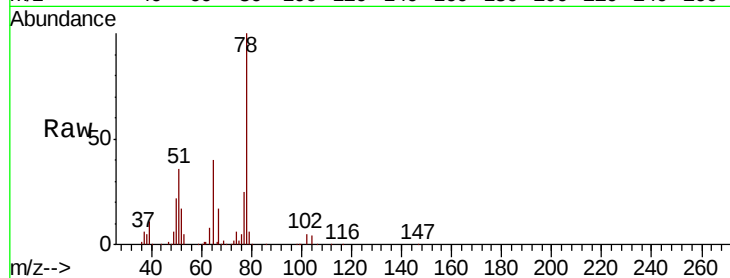
ClientSampled :

Tot Ion: 65 Resp: 533772

Ion Ratio Lower Upper

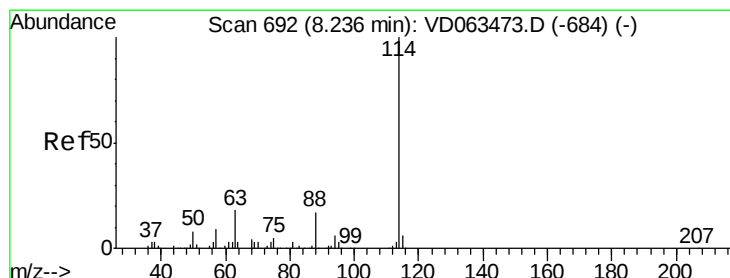
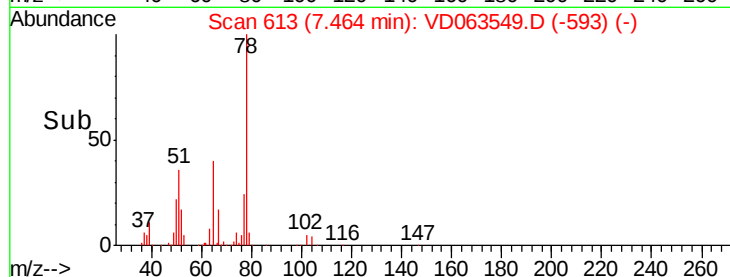
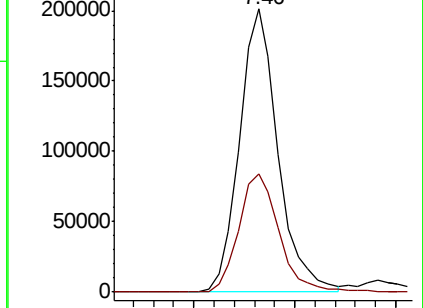
65 100

67 41.7 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

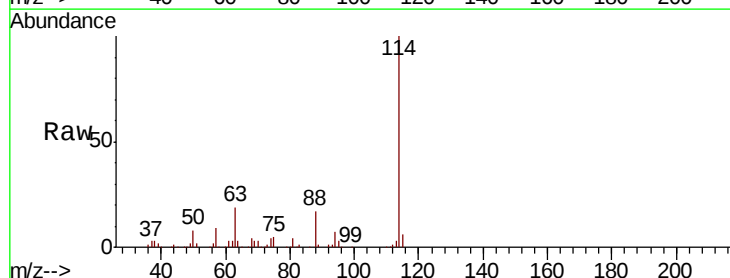
Tgt Ion: 114 Resp: 1308452

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.2

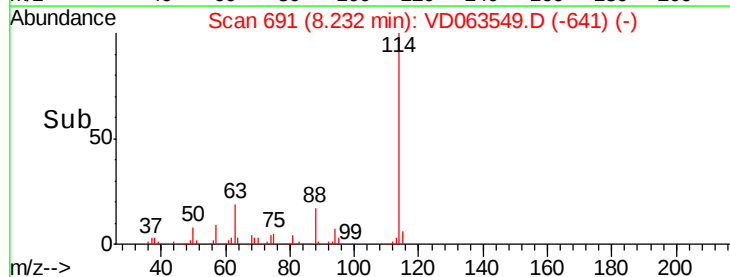
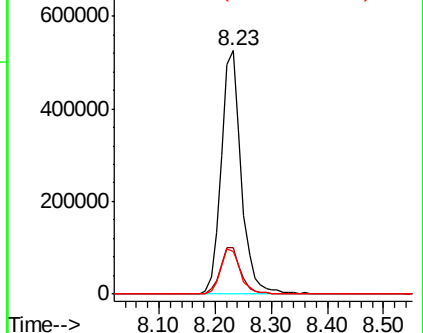
88 17.4 0.0 35.0

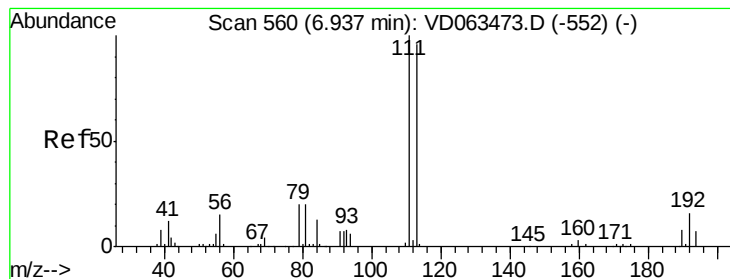


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.444 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampled :

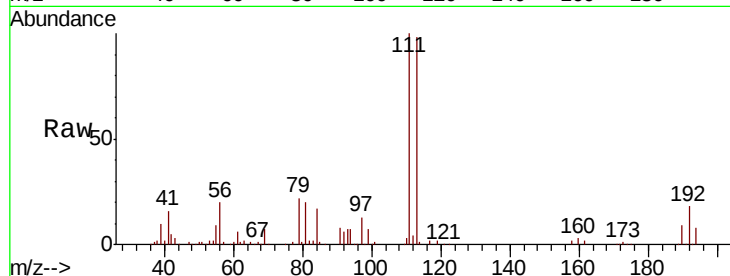
Tot Ion:113 Resp: 577930

Ion Ratio Lower Upper

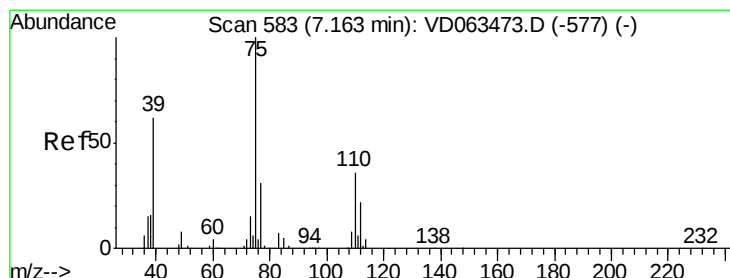
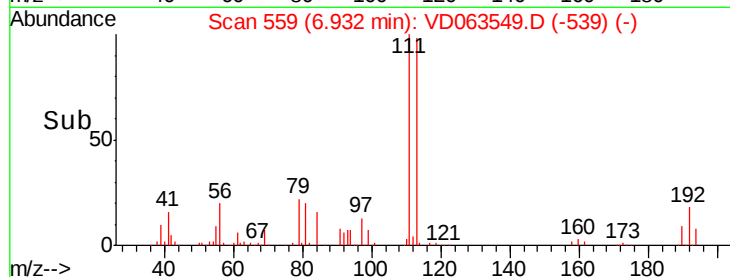
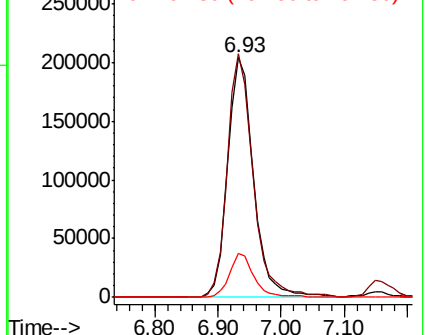
113 100

111 101.7 83.1 124.7

192 18.2 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.876 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

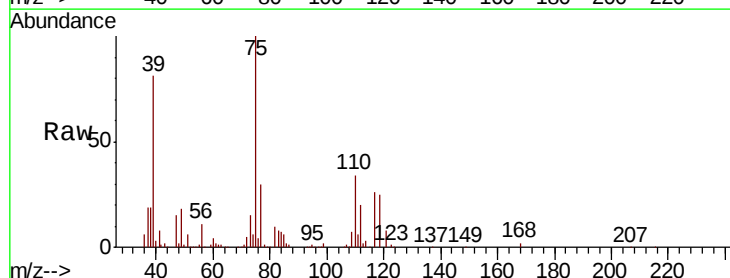
Tgt Ion: 75 Resp: 611619

Ion Ratio Lower Upper

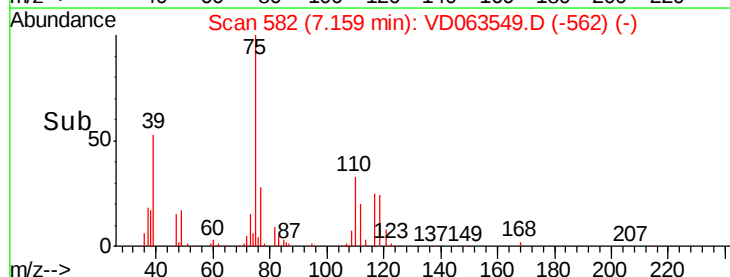
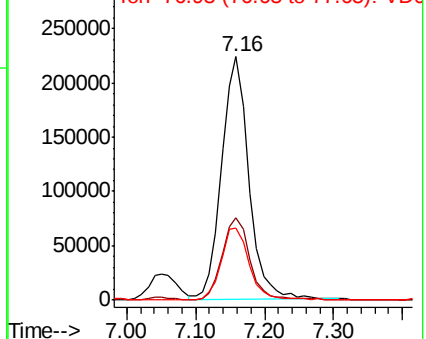
75 100

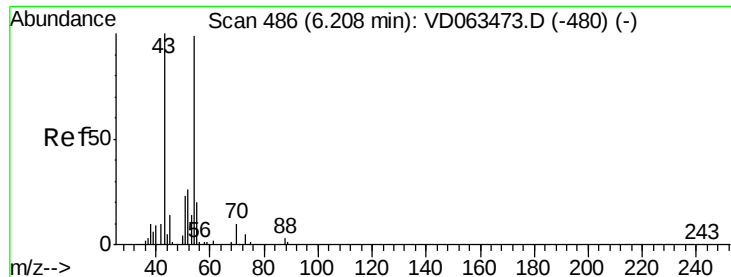
110 33.7 17.6 52.8

77 29.7 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

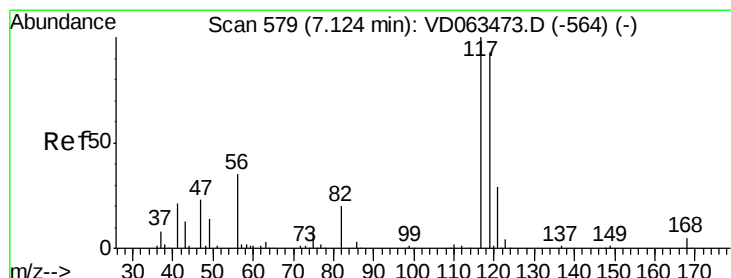
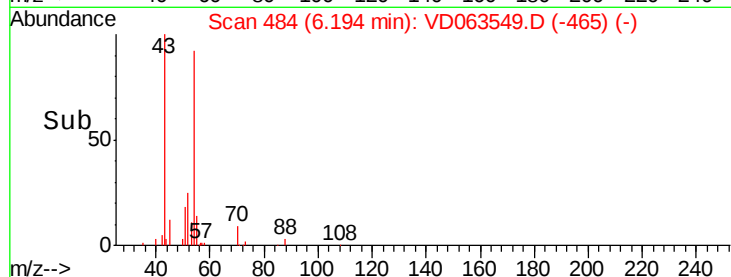
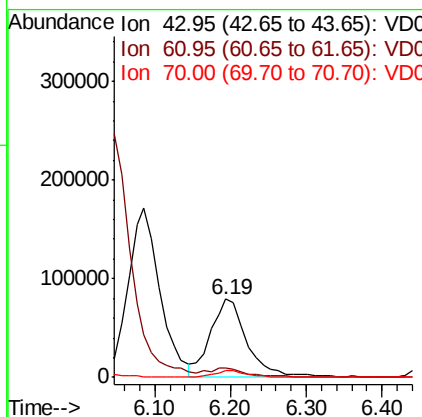
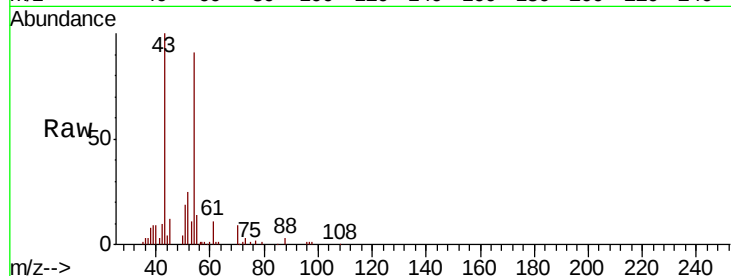




#37
Ethyl Acetate
Concen: 53.347 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

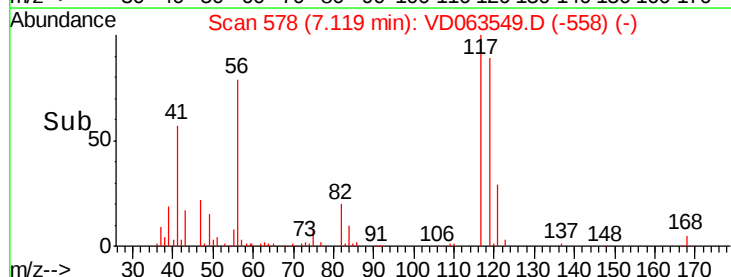
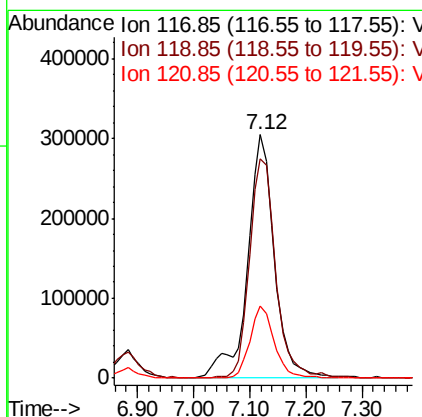
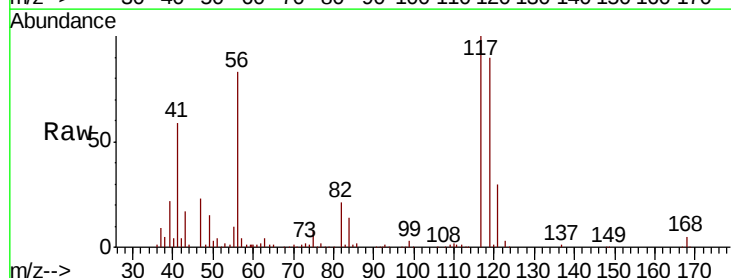
Instrument :
MSVOA_D
ClientSampleID :

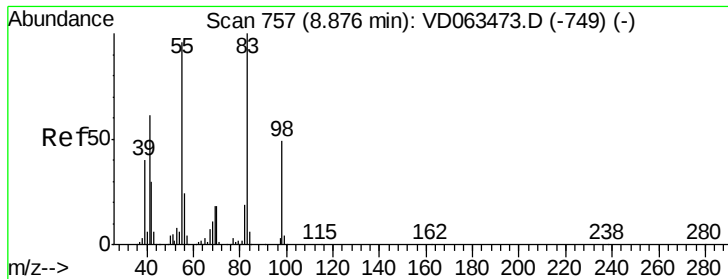
Tot Ion: 43 Resp: 258571
Ion Ratio Lower Upper
43 100
61 11.5 9.0 13.6
70 9.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 57.957 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 117 Resp: 1010363
Ion Ratio Lower Upper
117 100
119 89.9 74.2 111.2
121 29.8 23.1 34.7

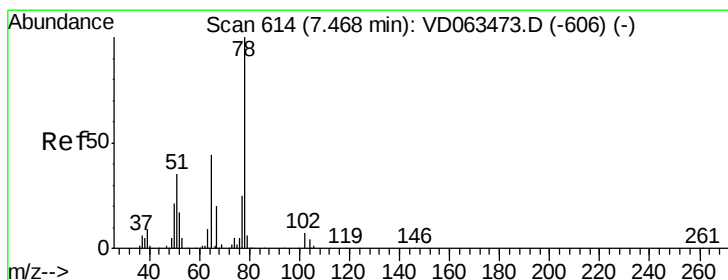
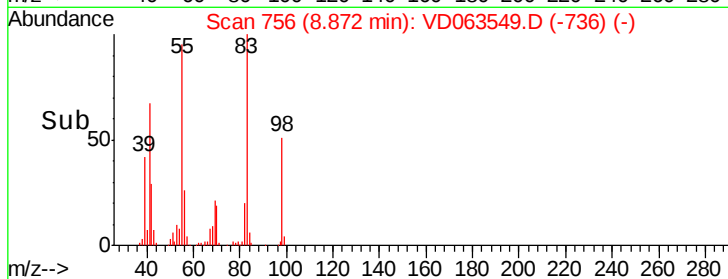
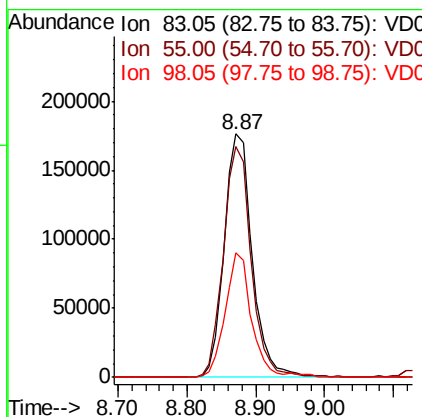
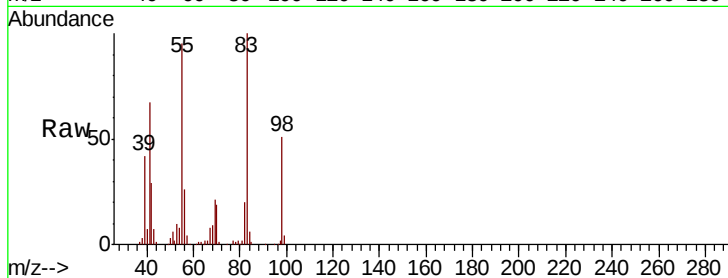




#39
Methylvlcyclohexane
Concen: 50.492 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

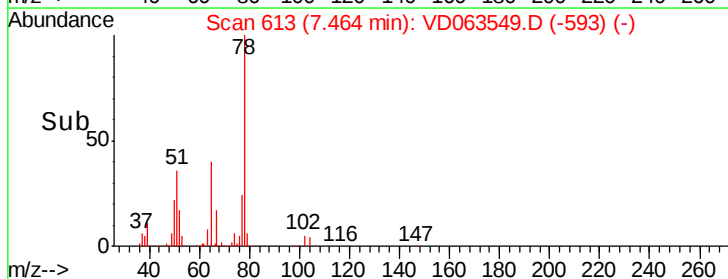
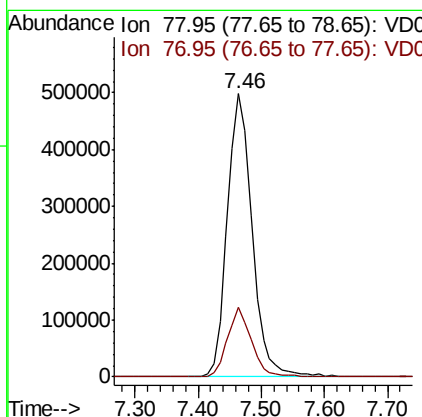
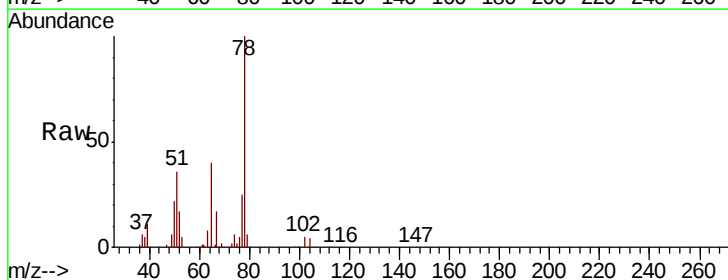
Instrument :
MSVOA_D
ClientSampleId :

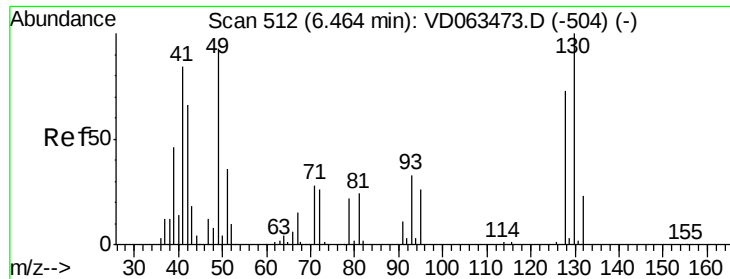
Tot Ion: 83 Resp: 496635
Ion Ratio Lower Upper
83 100
55 94.8 76.6 114.8
98 51.1 39.4 59.0



#40
Benzene
Concen: 53.393 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 78 Resp: 1359102
Ion Ratio Lower Upper
78 100
77 24.5 20.1 30.1

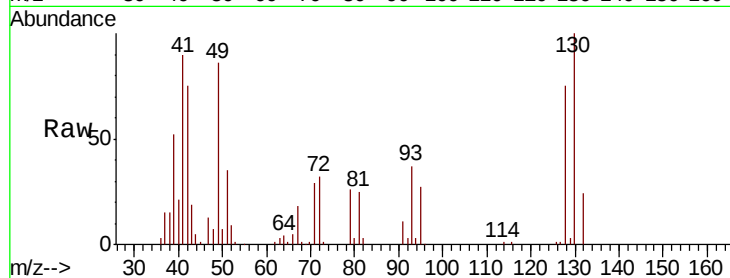




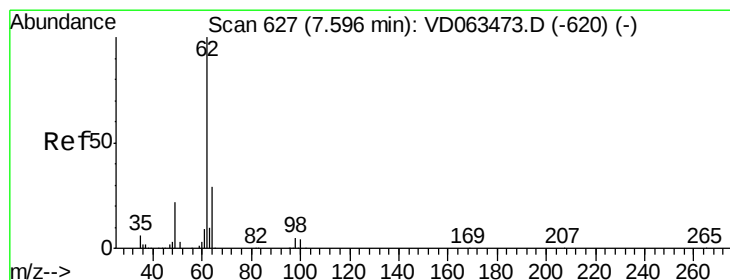
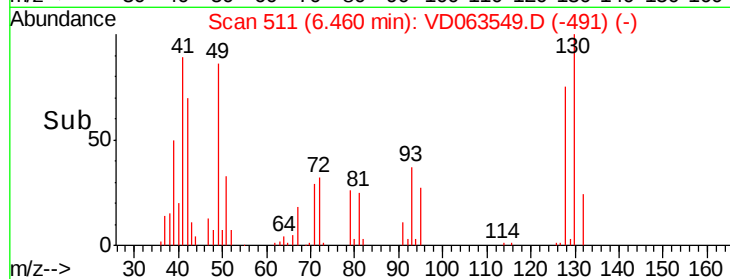
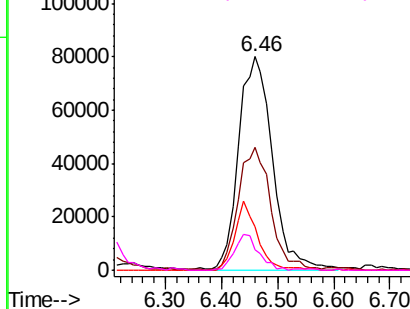
#41
Methacrylonitrile
Concen: 54.830 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	334614
Ion	Ratio	Lower	Upper
41	100		
39	57.2	44.6	66.8
67	20.4	14.4	21.6
52	9.6	9.3	13.9

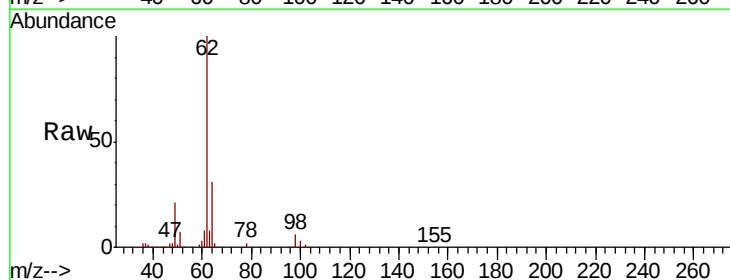


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

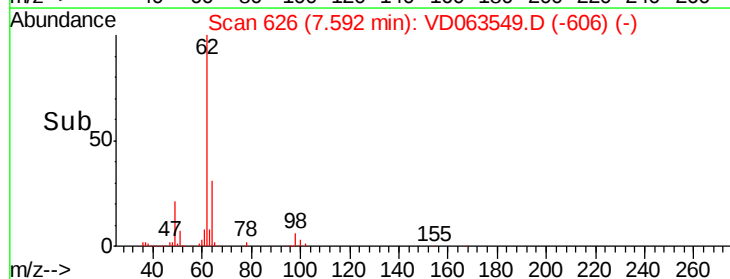
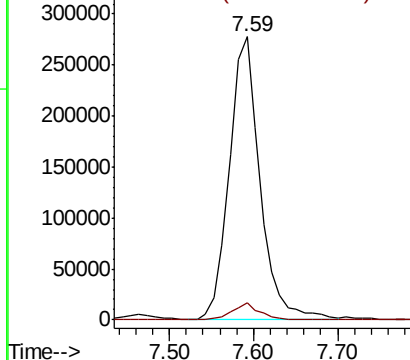


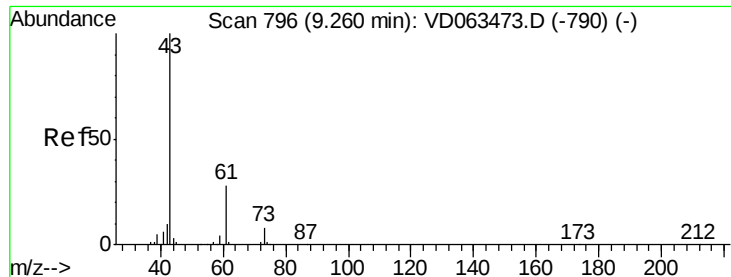
#42
1,2-Dichloroethane
Concen: 54.774 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:	62	Resp:	701073
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.634 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

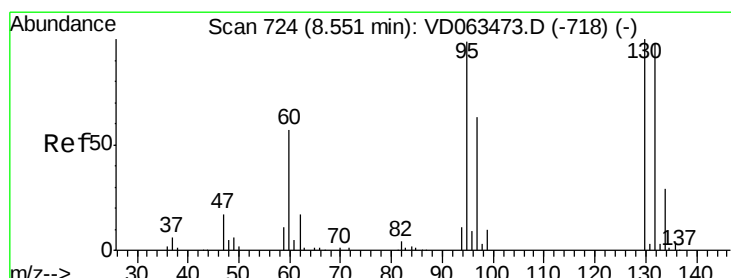
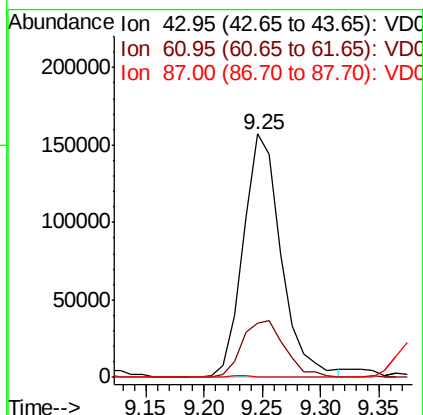
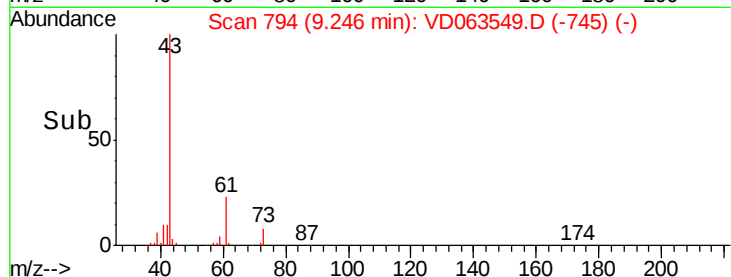
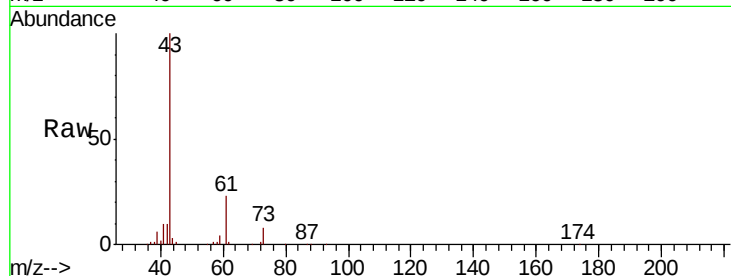
Tot Ion: 43 Resp: 354661

Ion Ratio Lower Upper

43 100

61 22.5 22.2 33.2

87 0.3 0.2 0.4



#44

Trichloroethene

Concen: 51.524 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063549.D

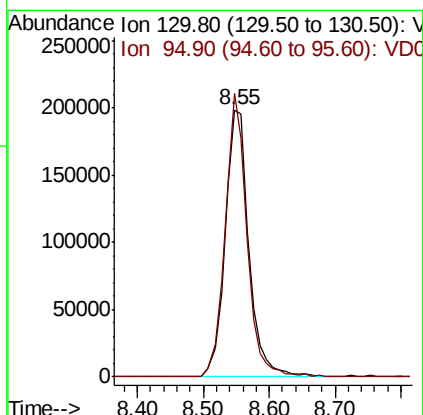
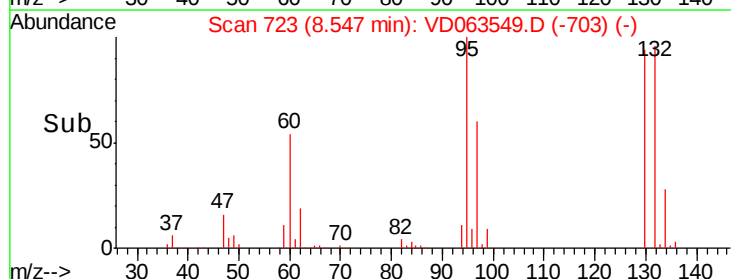
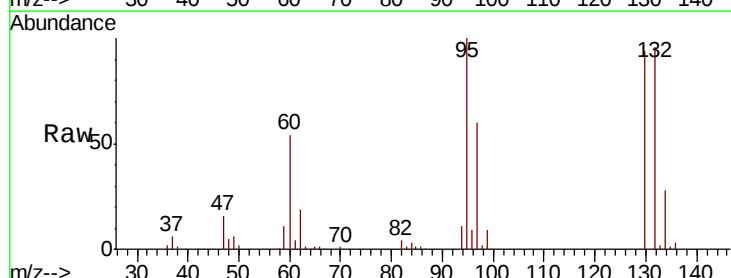
Acq: 14 Aug 2019 1:41

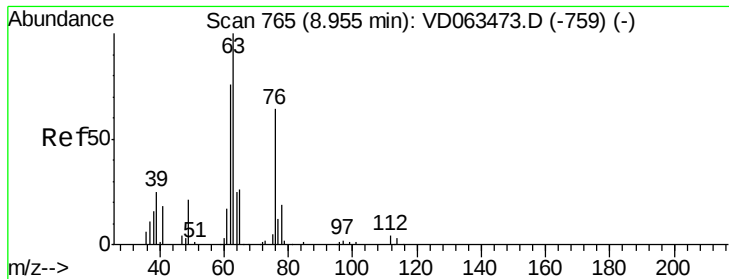
Tgt Ion: 130 Resp: 501295

Ion Ratio Lower Upper

130 100

95 105.9 0.0 198.0





#45

1,2-Dichloropropane

Concen: 56.332 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

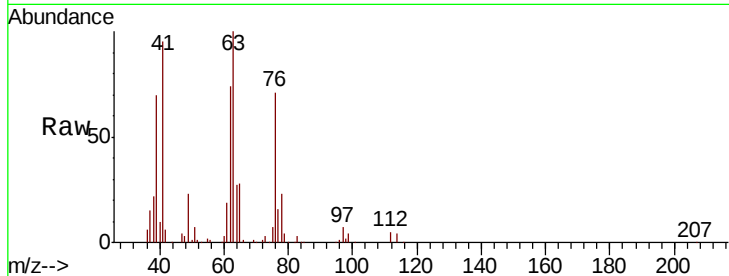
ClientSampleId :

Tot Ion: 63 Resp: 333929

Ion Ratio Lower Upper

63 100

65 27.7 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

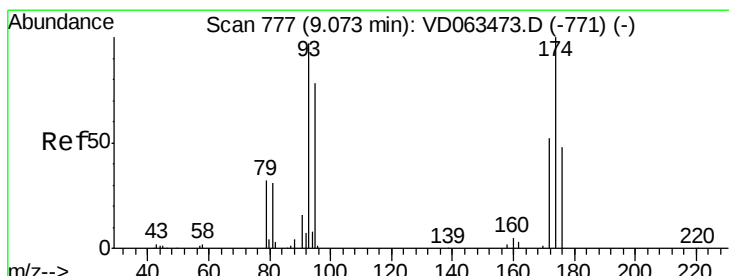
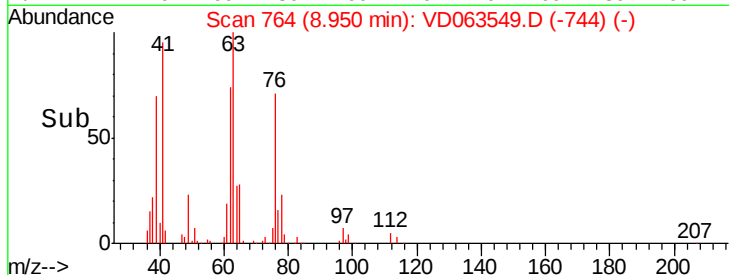
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 58.646 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

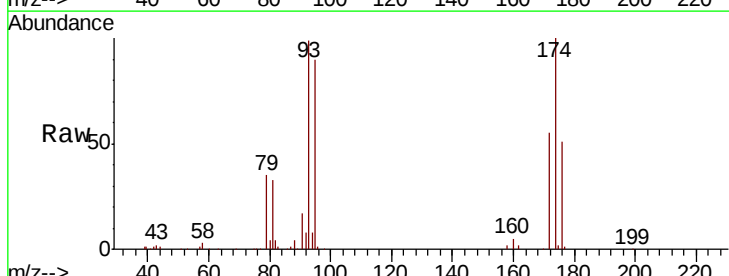
Tgt Ion: 93 Resp: 296883

Ion Ratio Lower Upper

93 100

95 90.5 64.2 96.2

174 100.7 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

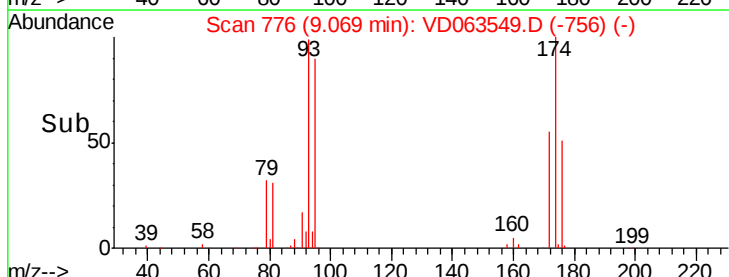
150000

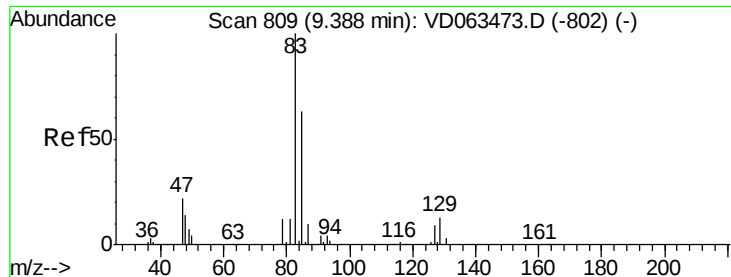
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 59.794 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampled :

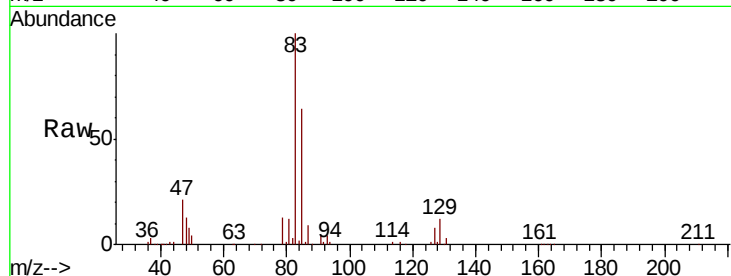
Tot Ion: 83 Resp: 776434

Ion Ratio Lower Upper

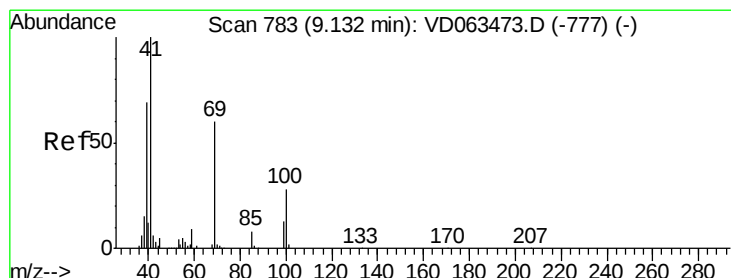
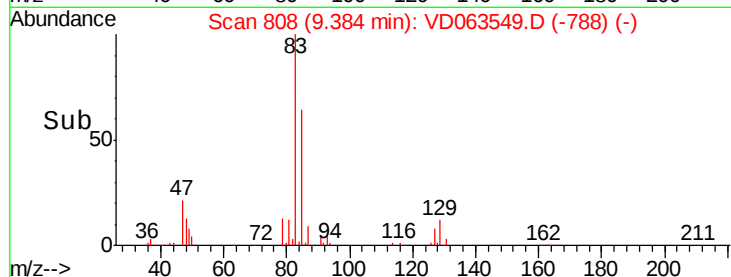
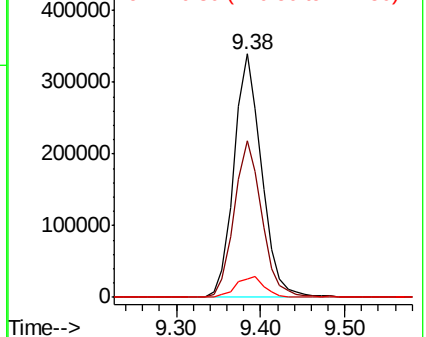
83 100

85 64.4 50.1 75.1

127 7.8 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 56.852 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

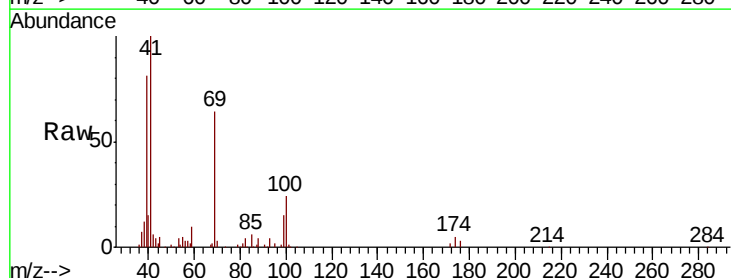
Tgt Ion: 41 Resp: 250287

Ion Ratio Lower Upper

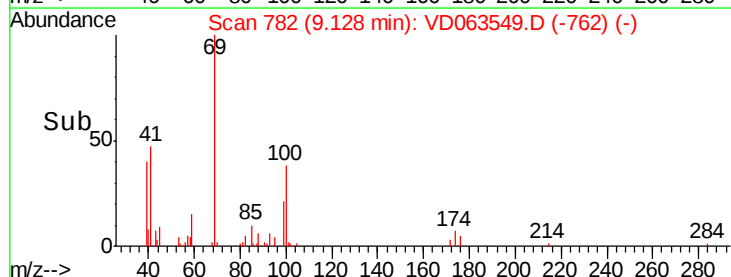
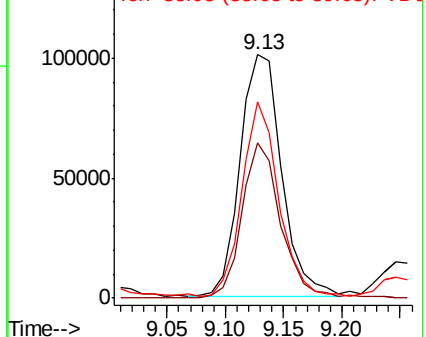
41 100

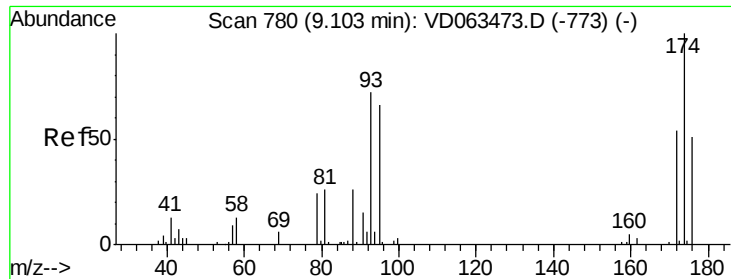
69 64.0 47.6 71.4

39 80.7 55.7 83.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

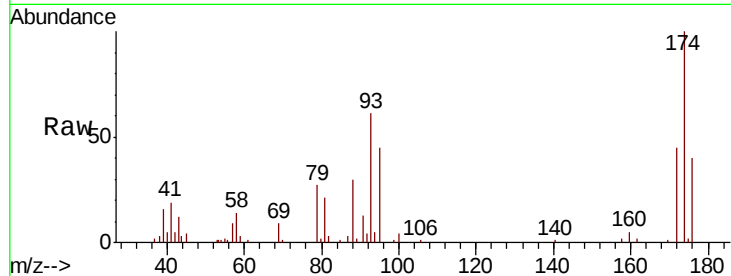




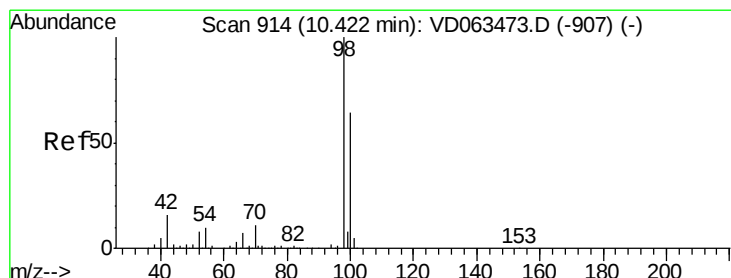
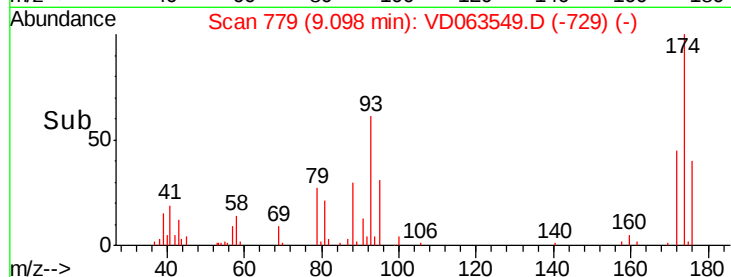
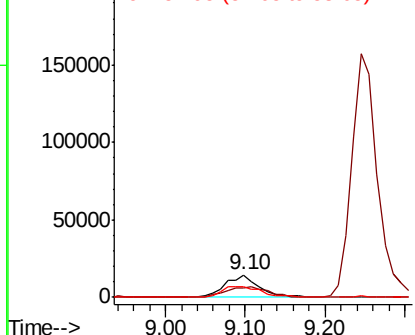
#49
1,4-Dioxane
Concen: 1071.662 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 42202
Ion Ratio Lower Upper
88 100
43 38.8 22.9 34.3#
58 45.8 40.1 60.1

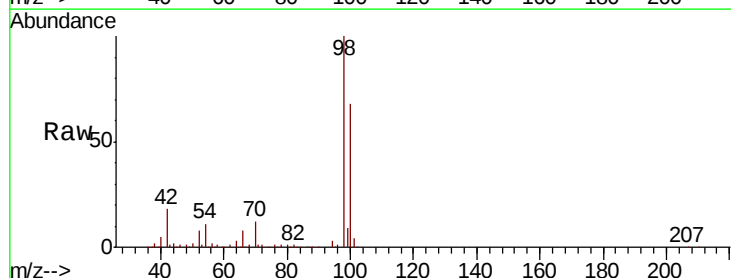


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

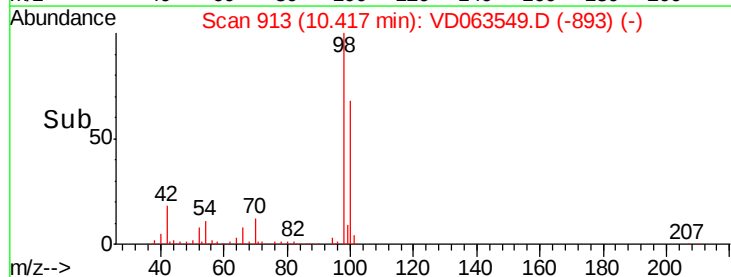
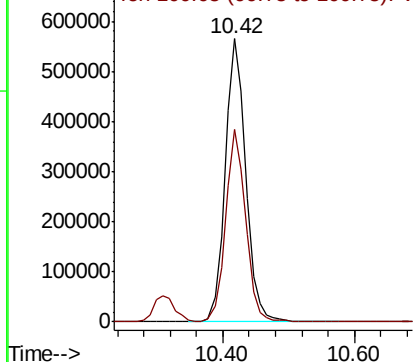


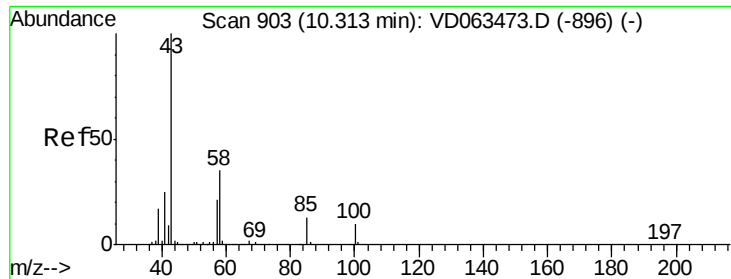
#50
Toluene-d8
Concen: 50.993 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 98 Resp: 1235443
Ion Ratio Lower Upper
98 100
100 67.9 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 273.703 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

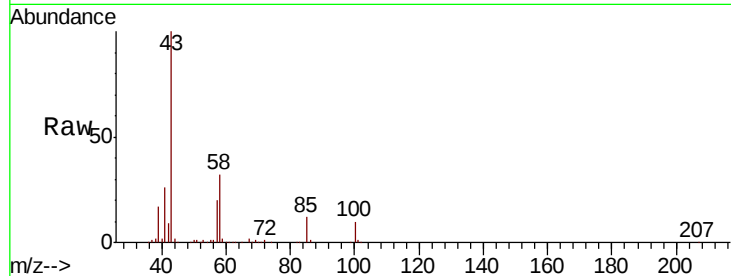
ClientSampleId :

Tot Ion: 43 Resp: 1215794

Ion Ratio Lower Upper

43 100

58 32.3 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

600000

500000

400000

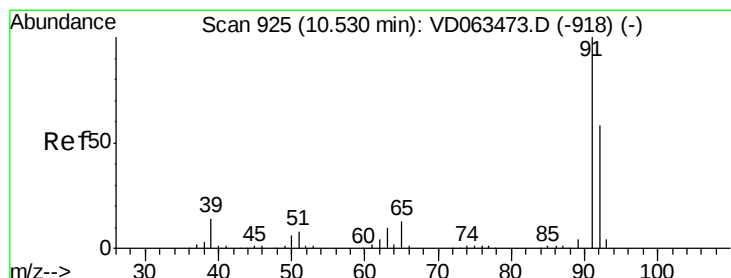
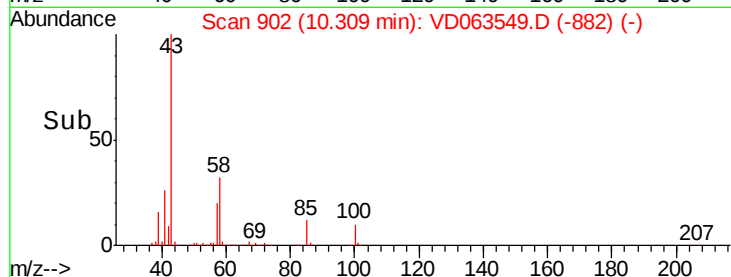
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 56.708 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063549.D

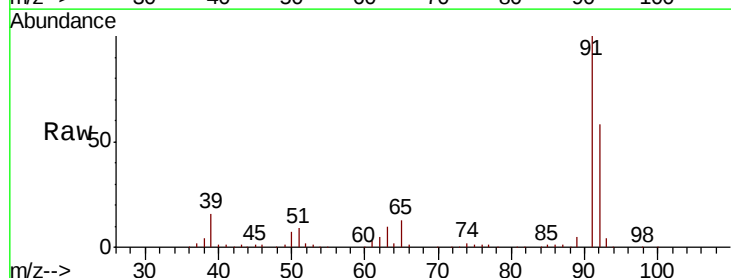
Acq: 14 Aug 2019 1:41

Tgt Ion: 92 Resp: 929751

Ion Ratio Lower Upper

92 100

91 171.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

800000

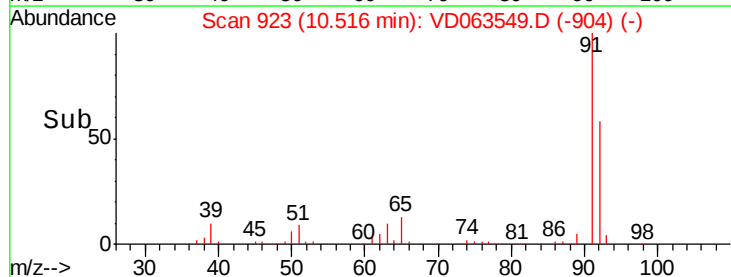
600000

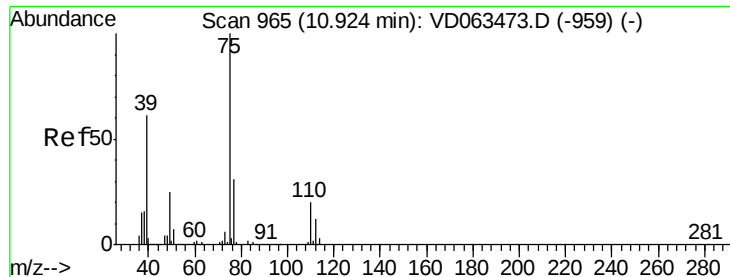
400000

200000

0

Time-->

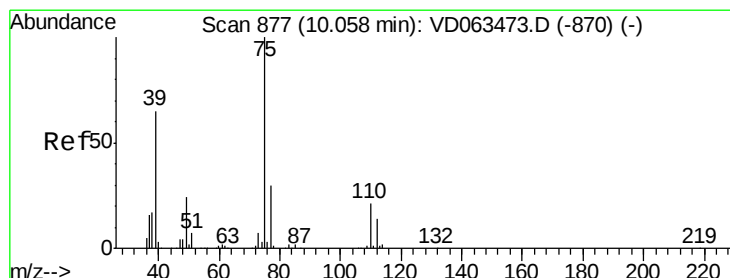
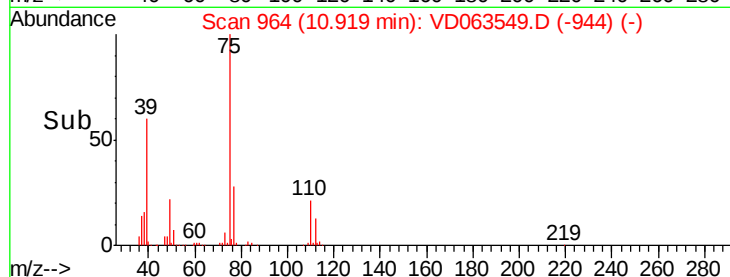
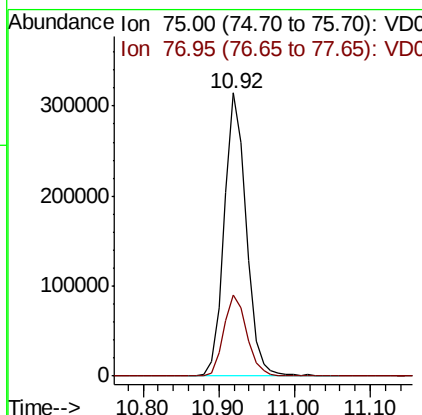
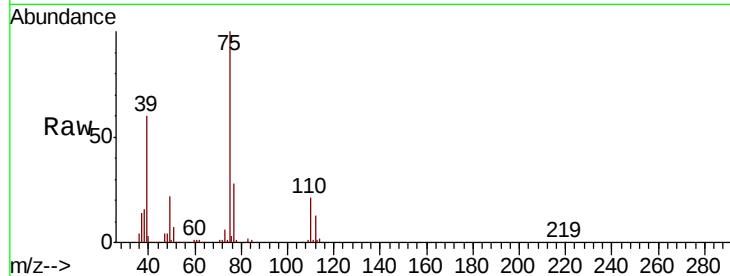




#53
 t-1,3-Dichloropropene
 Concen: 59.397 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

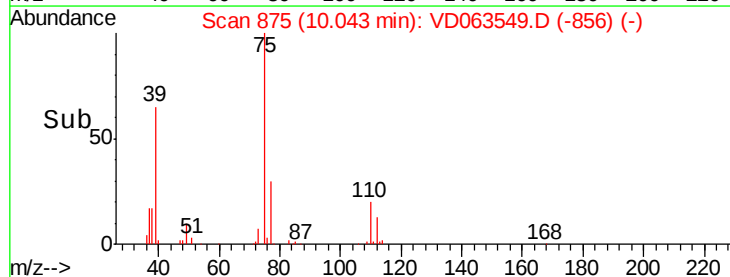
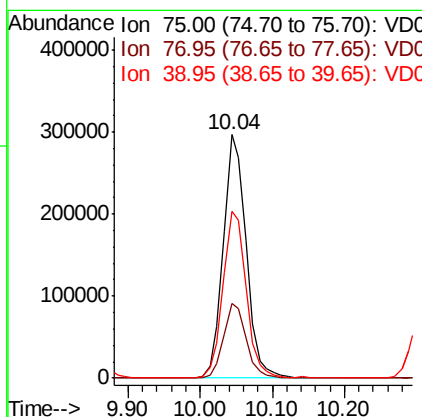
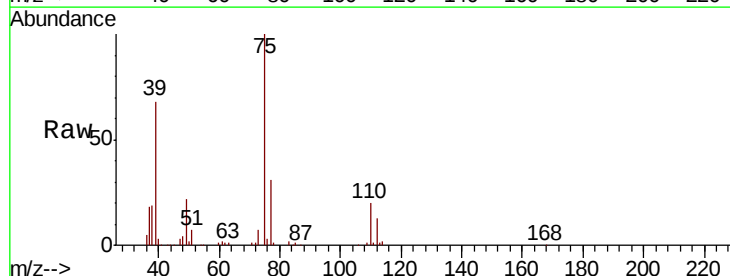
Instrument :
 MSVOA_D
 ClientSampleId :

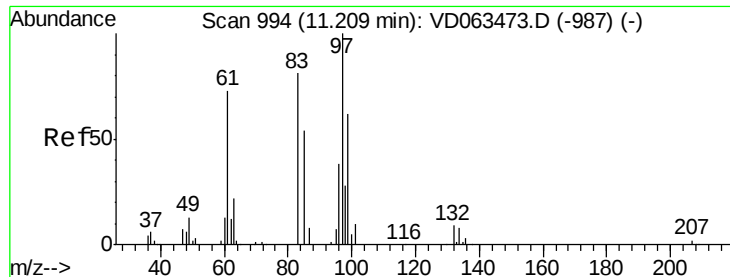
Tot Ion: 75 Resp: 629438
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 54.722 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion: 75 Resp: 653877
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.7 35.5
 39 68.5 52.2 78.4

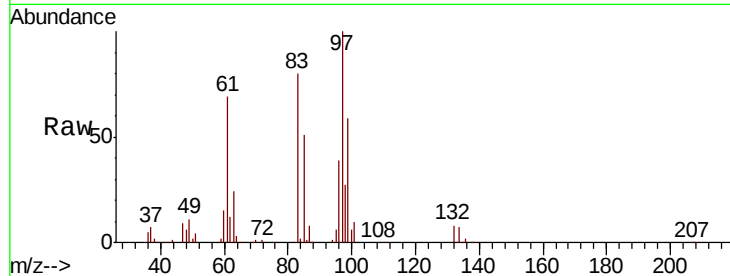




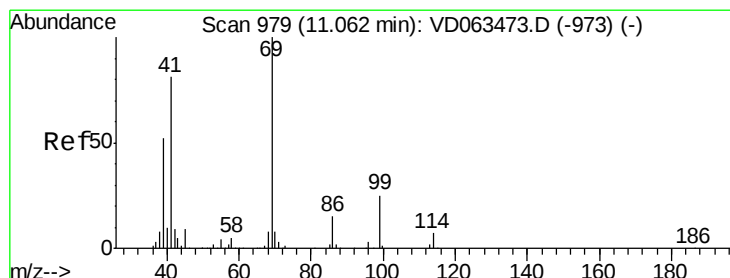
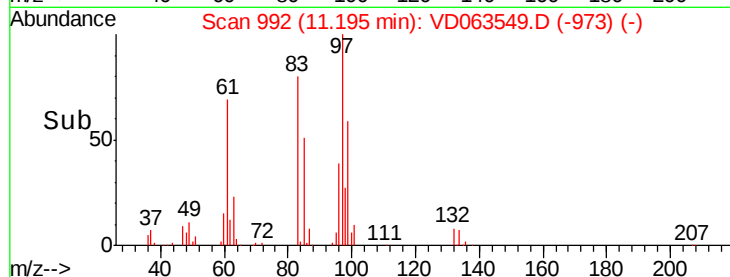
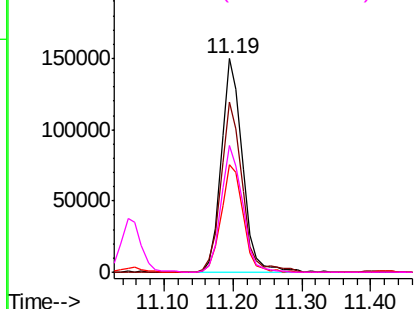
#55
 1,1,2-Trichloroethane
 Concen: 57.457 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	318211
Ion	Ratio	Lower	Upper
97	100		
83	79.7	64.7	97.1
85	50.6	42.9	64.3
99	59.3	49.7	74.5

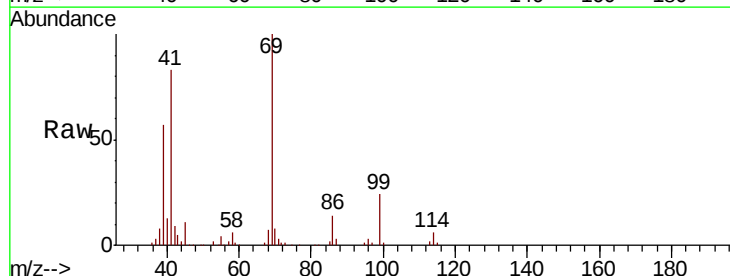


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

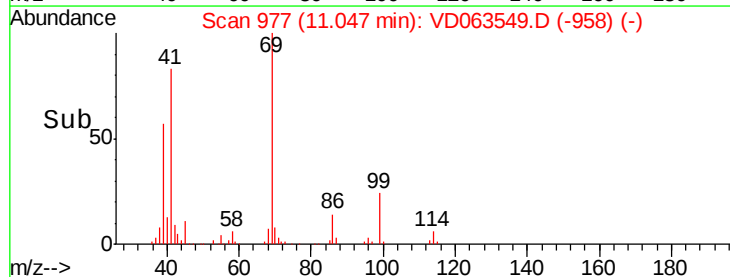
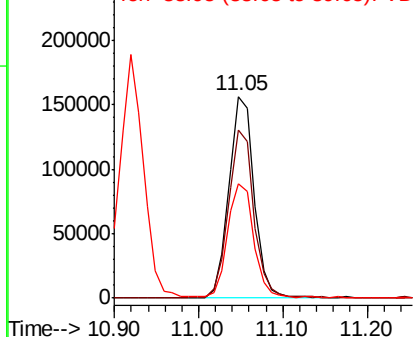


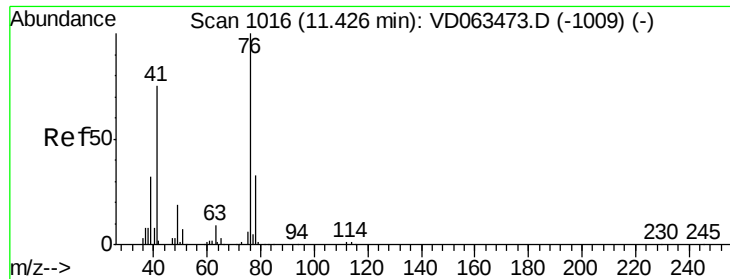
#56
 Ethyl methacrylate
 Concen: 54.243 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion:	69	Resp:	326067
Ion	Ratio	Lower	Upper
69	100		
41	83.2	64.8	97.2
39	56.8	42.4	63.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.995 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

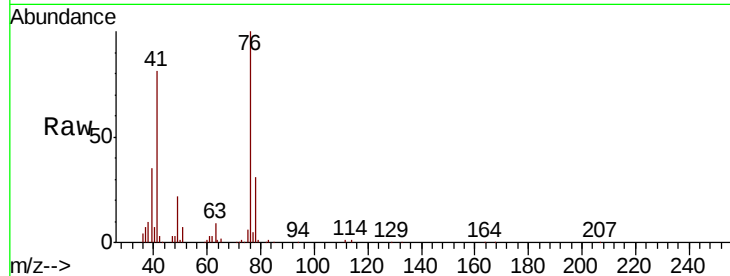
ClientSampleId :

Tot Ion: 76 Resp: 468763

Ion Ratio Lower Upper

76 100

78 30.7 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

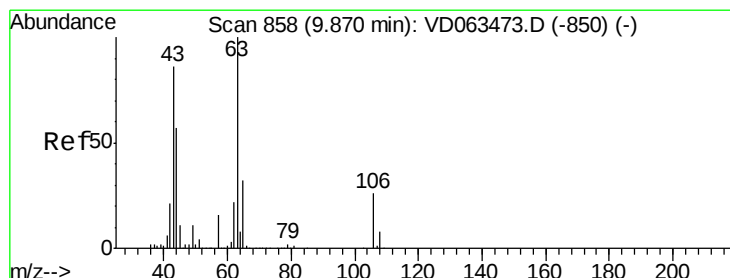
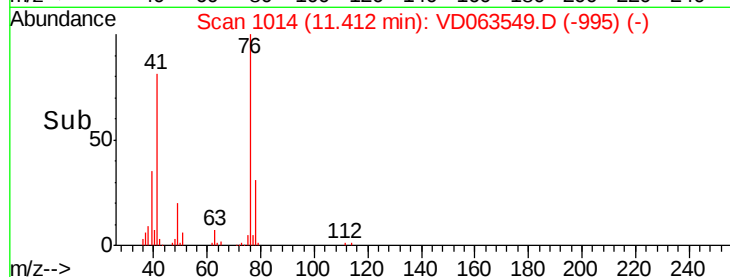
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 257.196 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063549.D

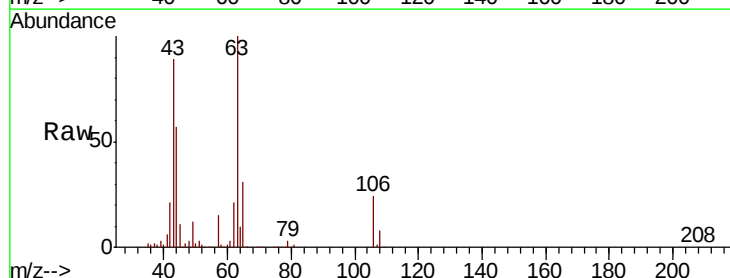
Acq: 14 Aug 2019 1:41

Tgt Ion: 63 Resp: 816218

Ion Ratio Lower Upper

63 100

106 24.2 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.87

400000

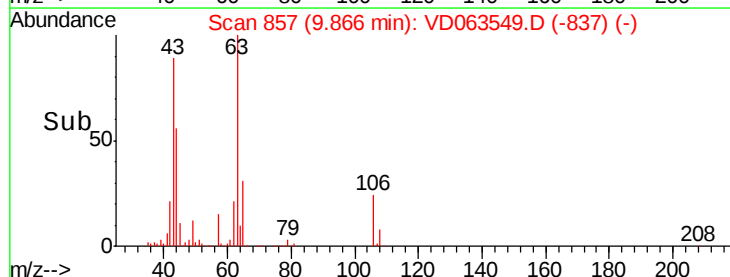
300000

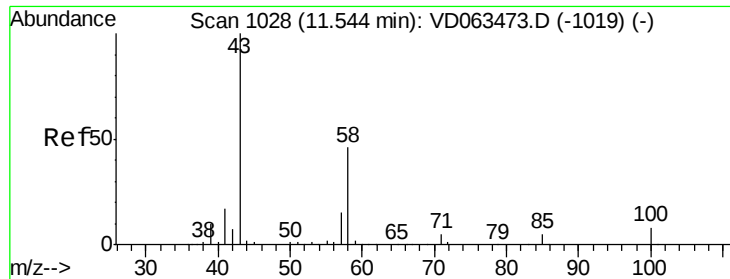
200000

100000

0

Time--> 9.70 9.80 9.90 10.00

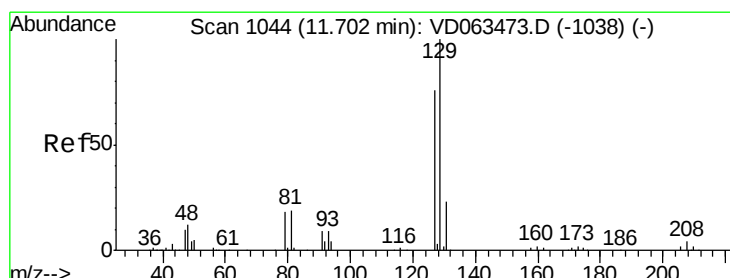
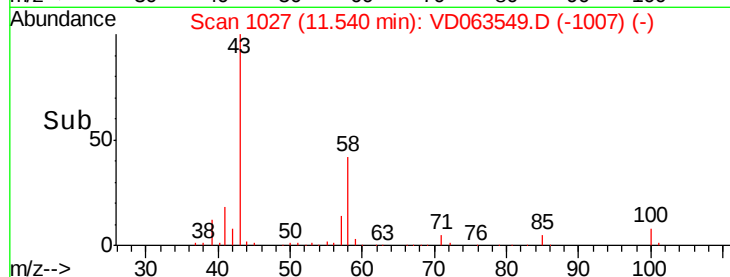
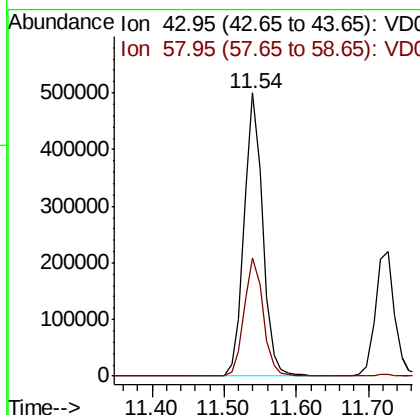
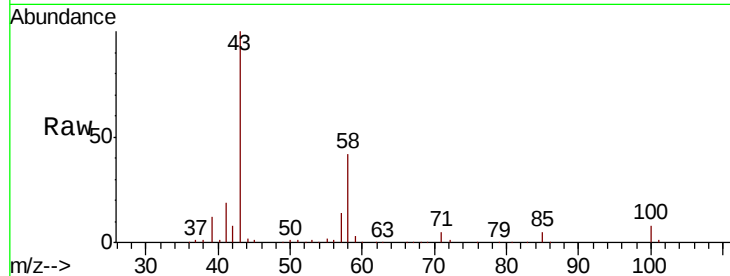




#59
2-Hexanone
Concen: 279.559 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

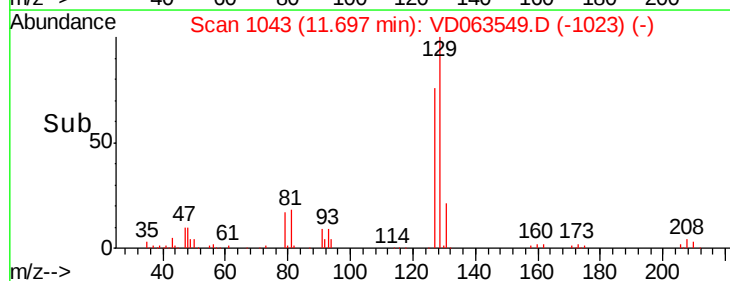
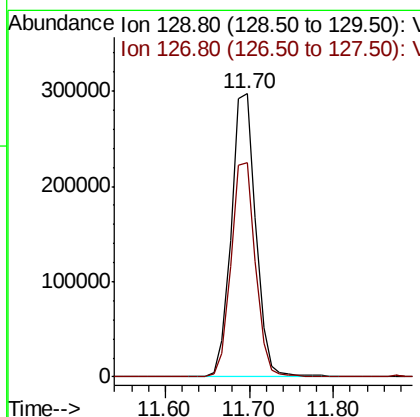
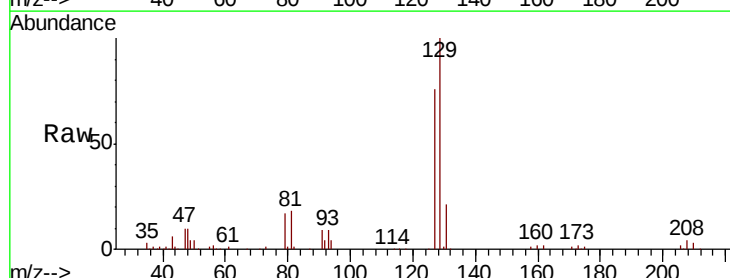
Instrument :
MSVOA_D
ClientSampleId :

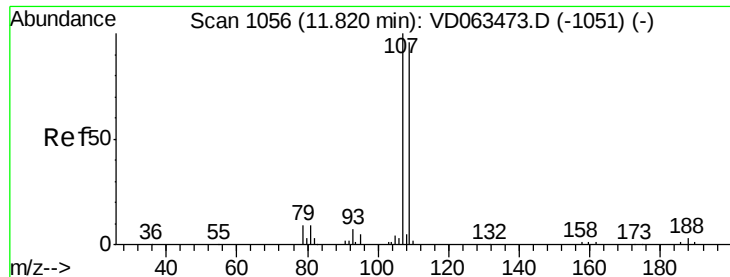
Tot Ion: 43 Resp: 903572
Ion Ratio Lower Upper
43 100
58 41.7 23.1 69.2



#60
Dibromochloromethane
Concen: 59.814 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 129 Resp: 602795
Ion Ratio Lower Upper
129 100
127 75.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 58.243 ug/l

RT: 11.82 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

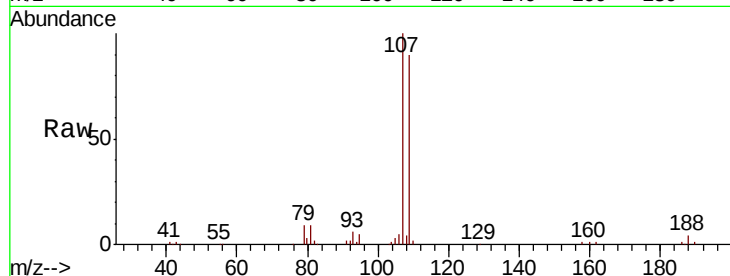
ClientSampleId :

Tot Ion: 107 Resp: 390496

Ion Ratio Lower Upper

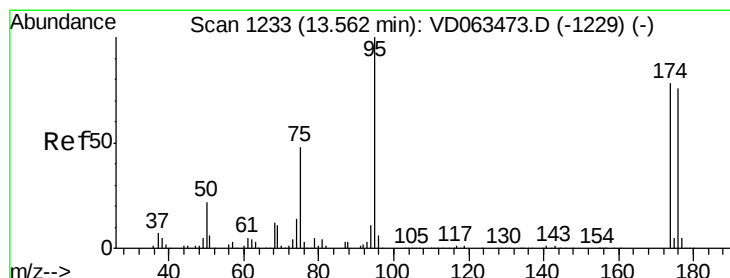
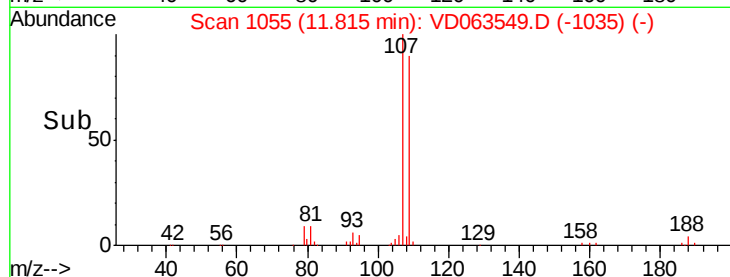
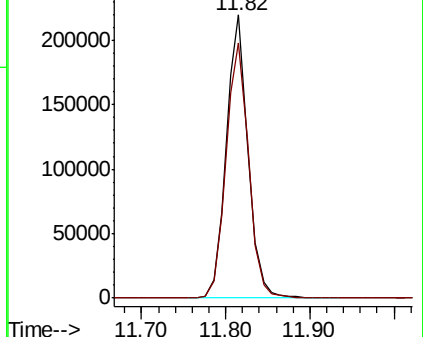
107 100

109 90.1 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.307 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

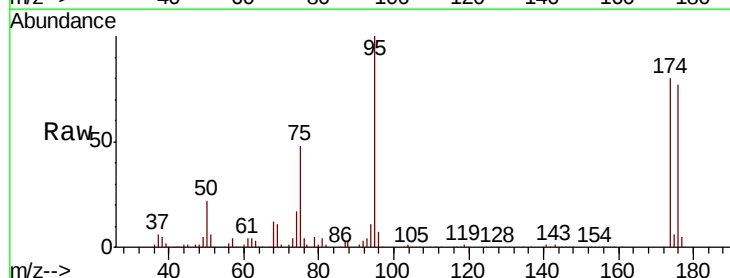
Tgt Ion: 95 Resp: 519484

Ion Ratio Lower Upper

95 100

174 80.3 0.0 155.4

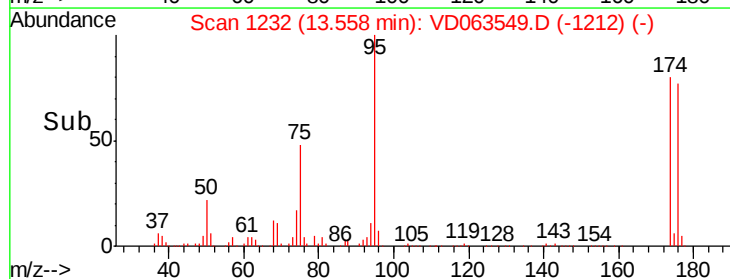
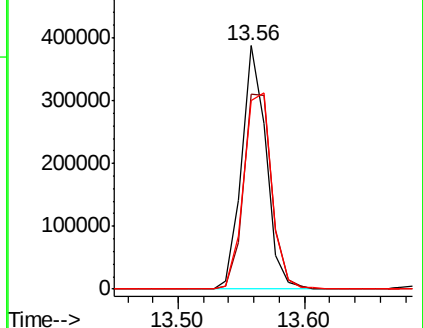
176 77.5 0.0 152.4

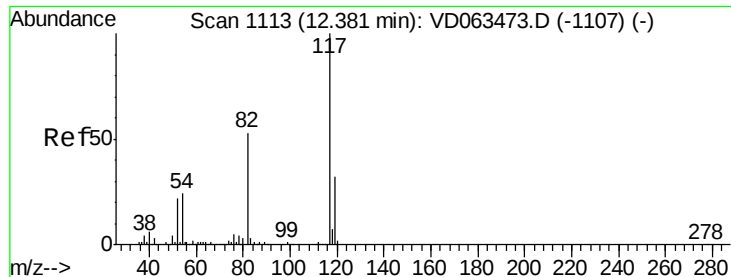


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

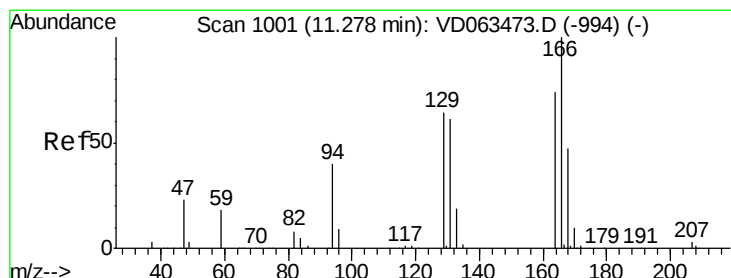
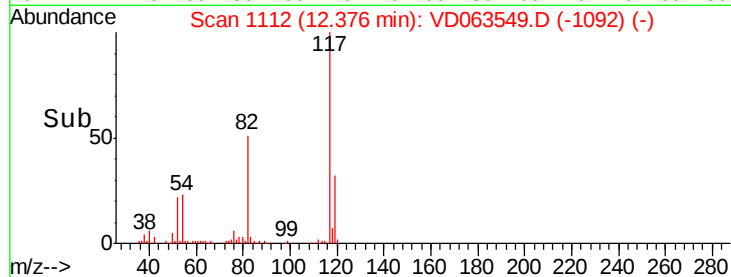
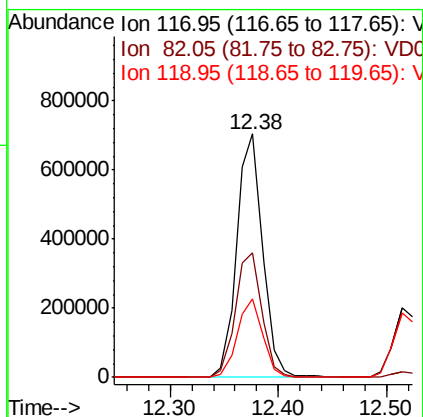
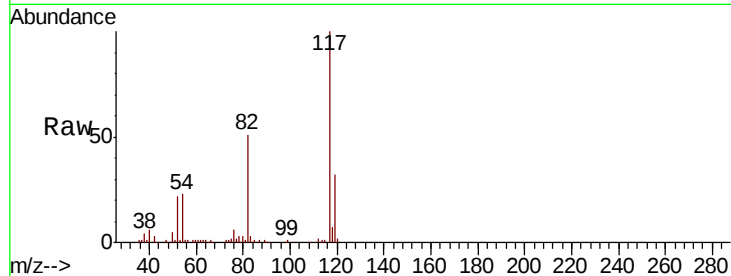




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

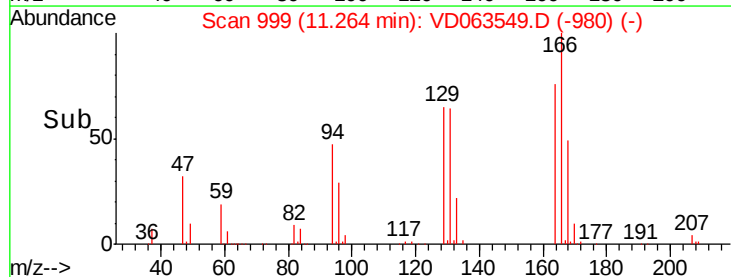
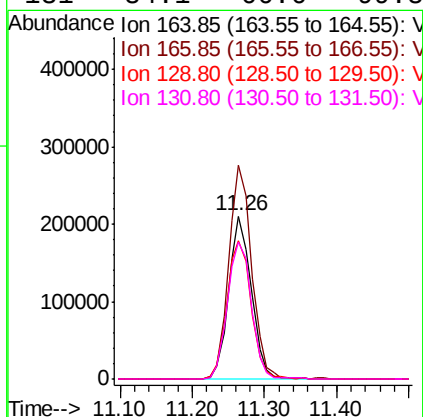
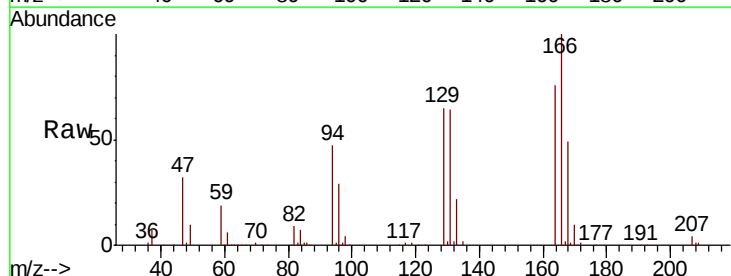
Instrument :
MSVOA_D
ClientSampleId :

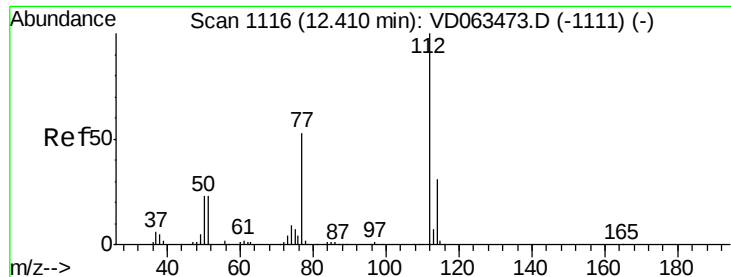
Tot Ion:117 Resp: 1167776
Ion Ratio Lower Upper
117 100
82 51.2 42.0 63.0
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 51.102 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:164 Resp: 460682
Ion Ratio Lower Upper
164 100
166 130.9 108.6 163.0
129 84.6 69.0 103.6
131 84.1 66.6 99.8

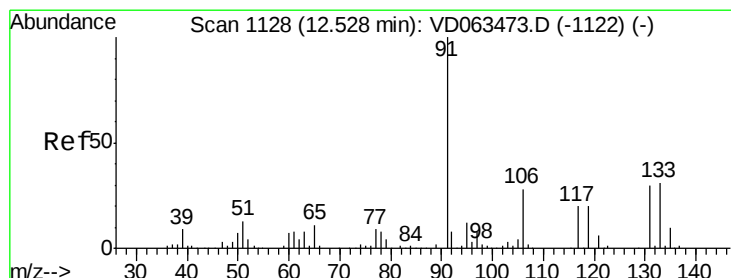
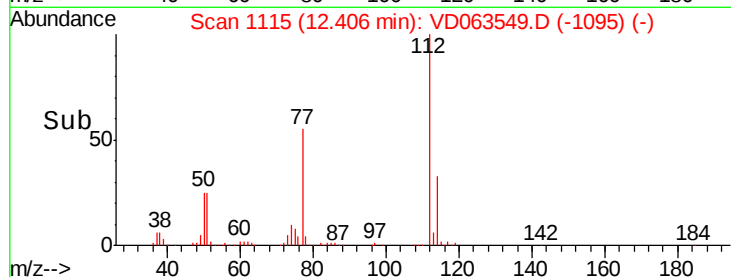
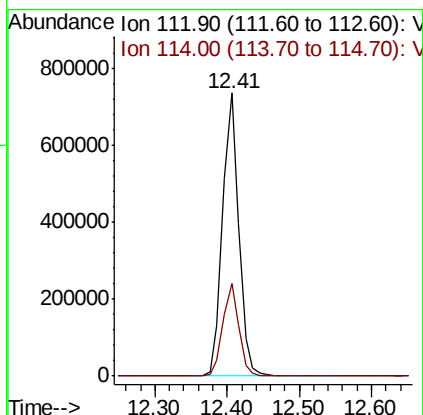
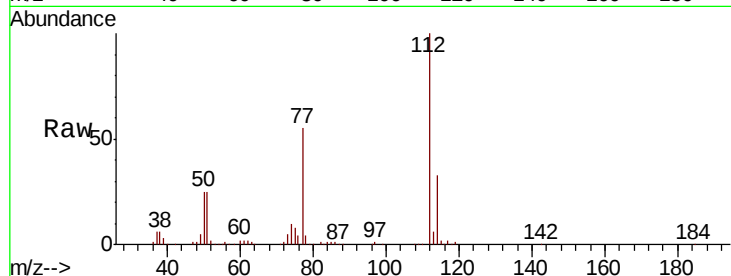




#65
Chlorobenzene
Concen: 52.138 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

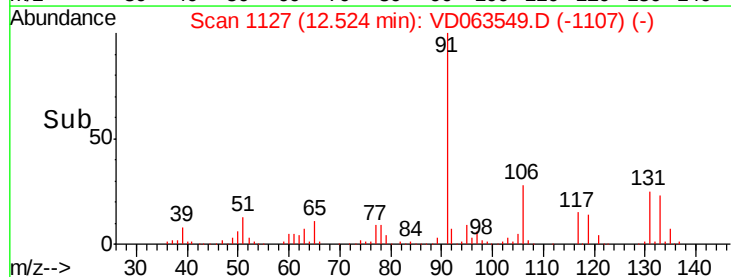
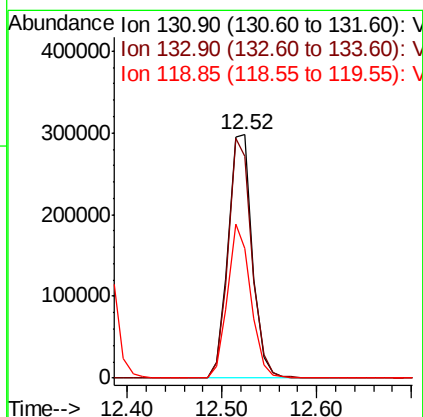
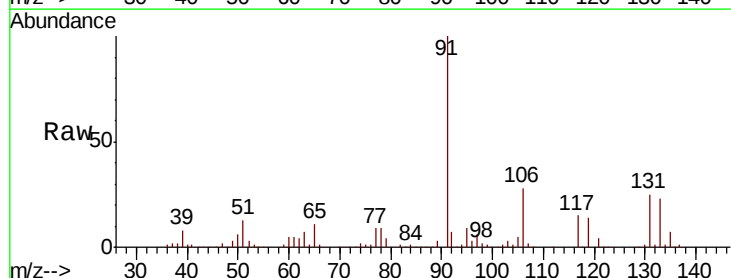
Instrument :
MSVOA_D
ClientSampled :

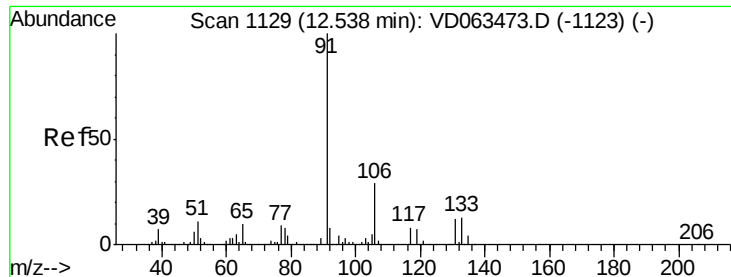
Tot Ion:112 Resp: 1141133
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.851 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:131 Resp: 528342
Ion Ratio Lower Upper
131 100
133 91.2 51.1 153.3
119 53.3 33.1 99.3

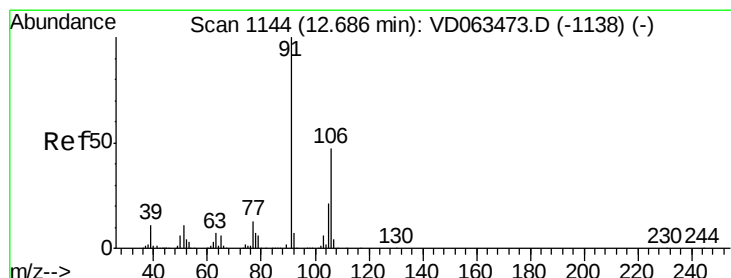
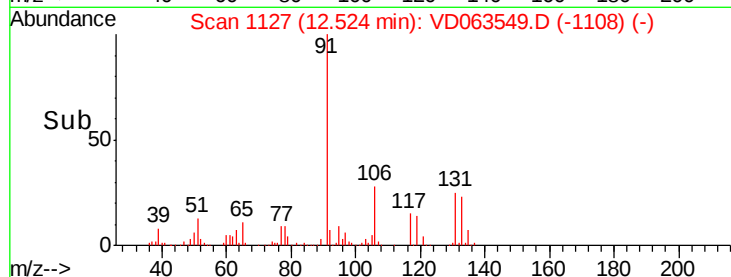
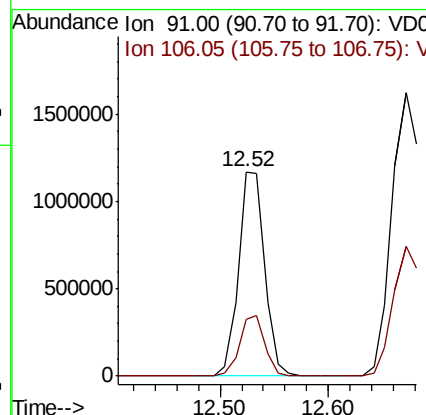
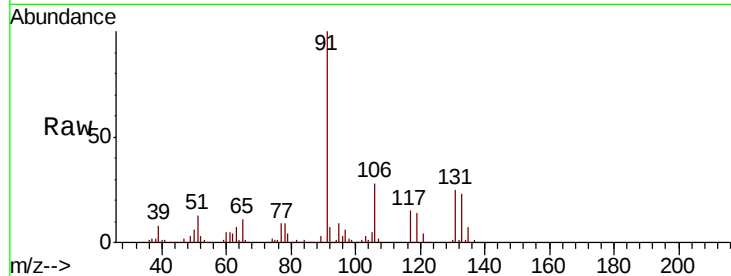




#67
Ethyl Benzene
Concen: 51.748 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

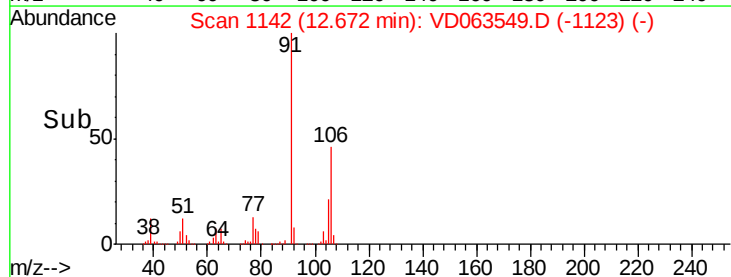
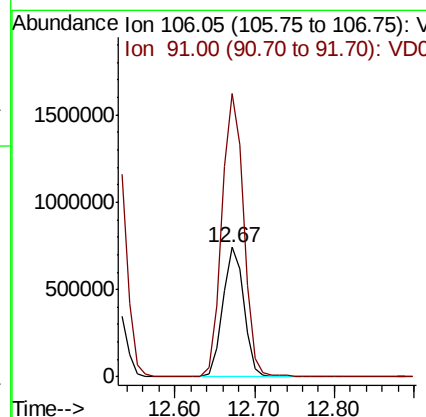
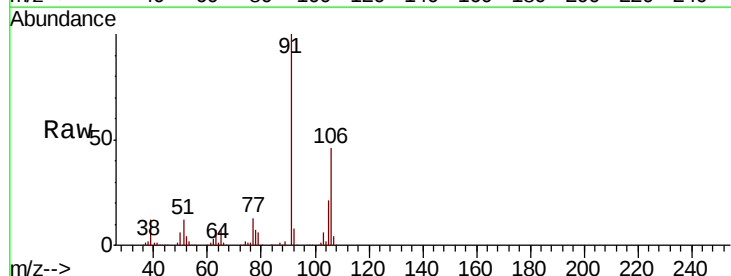
Instrument :
MSVOA_D
ClientSampled :

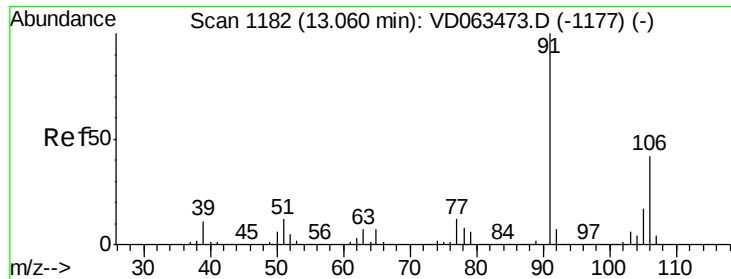
Tot Ion: 91 Resp: 1969317
Ion Ratio Lower Upper
91 100
106 27.9 23.1 34.7



#68
m/p-Xylenes
Concen: 104.443 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:106 Resp: 1396426
Ion Ratio Lower Upper
106 100
91 218.5 171.8 257.8

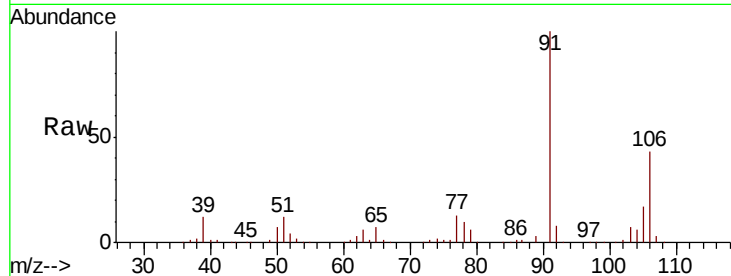




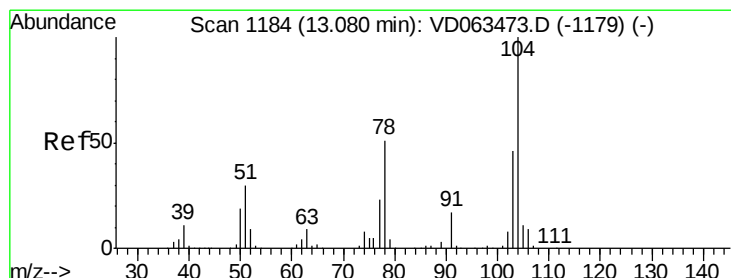
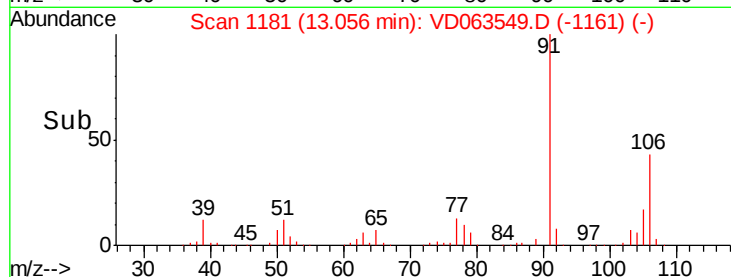
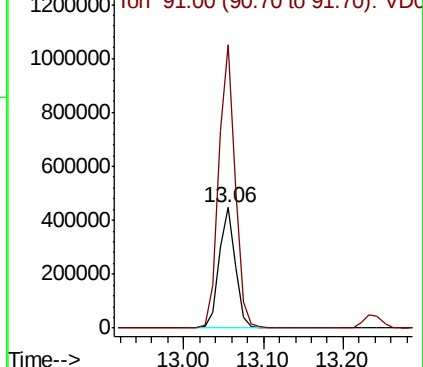
#69
o-Xylene
Concen: 50.474 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 649521
Ion Ratio Lower Upper
106 100
91 235.1 118.1 354.2

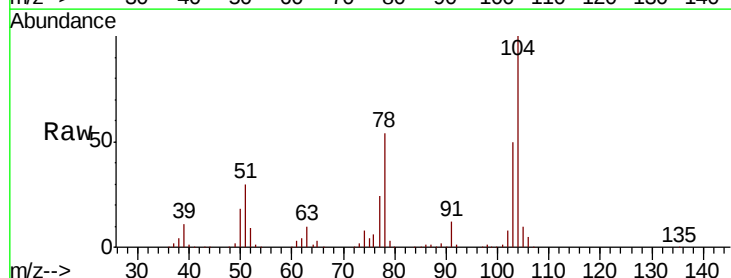


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

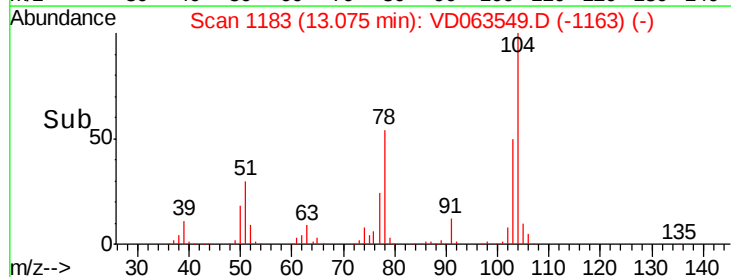
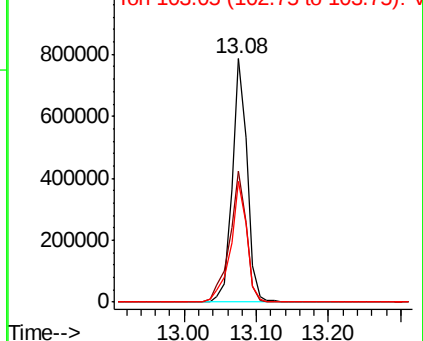


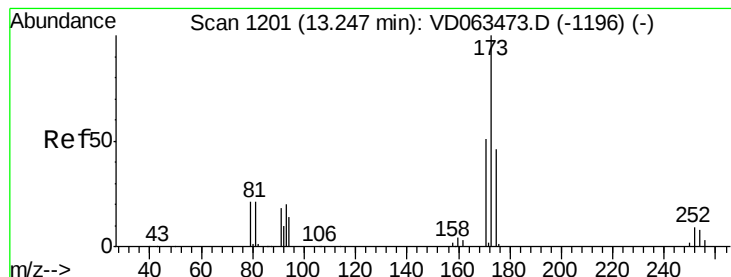
#70
Styrene
Concen: 49.423 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:104 Resp: 1131288
Ion Ratio Lower Upper
104 100
78 54.0 40.8 61.2
103 49.7 36.4 54.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 55.718 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

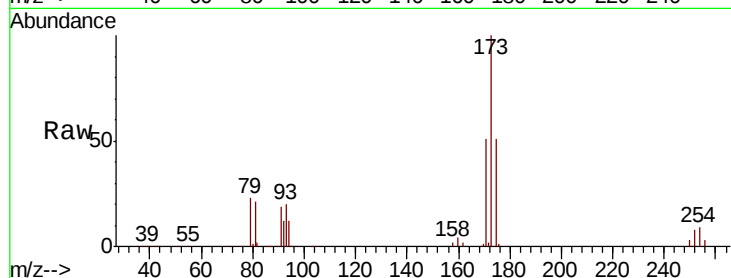
Tot Ion:173 Resp: 368004

Ion Ratio Lower Upper

173 100

175 51.4 22.8 68.3

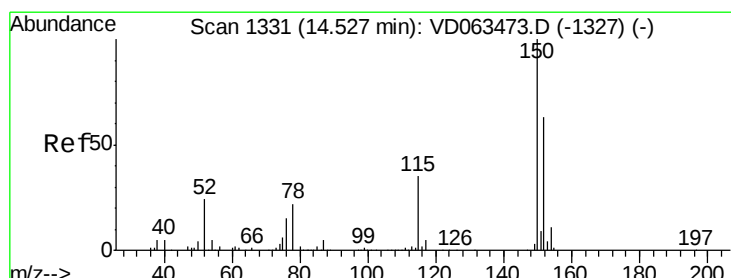
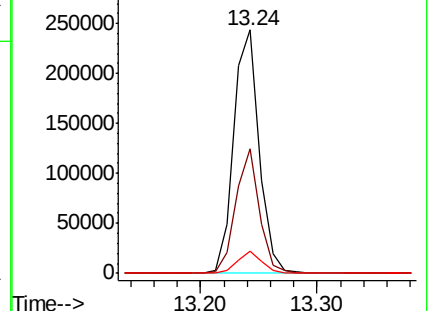
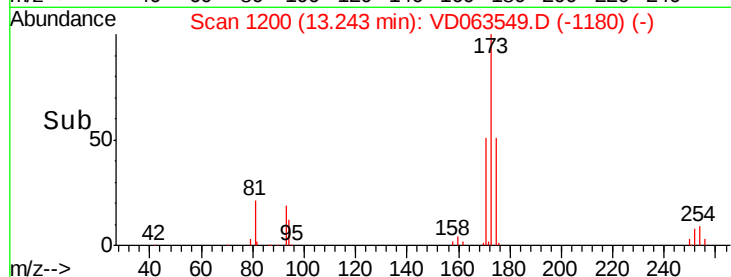
254 9.0 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

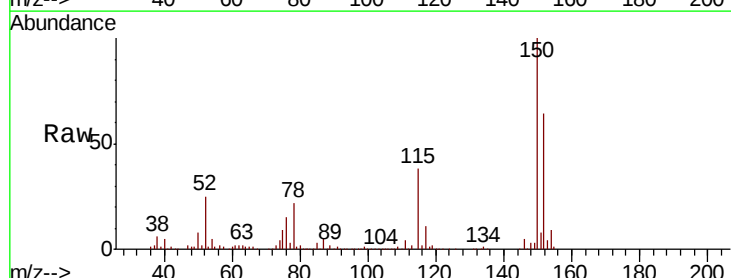
Tgt Ion:152 Resp: 597604

Ion Ratio Lower Upper

152 100

115 58.8 30.9 92.7

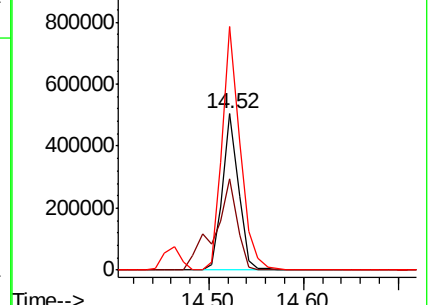
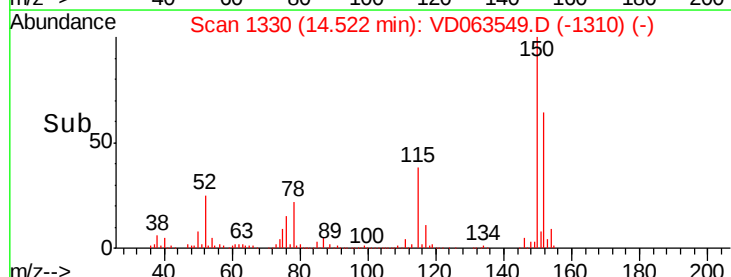
150 155.7 0.0 318.6

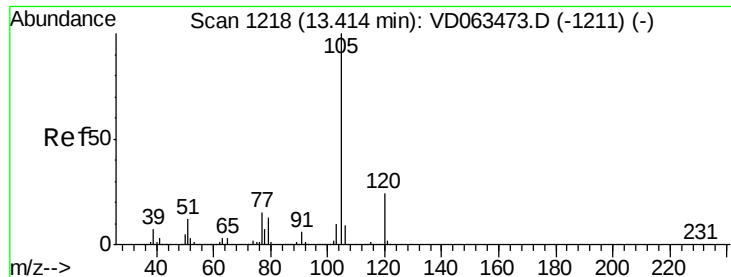


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.730 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

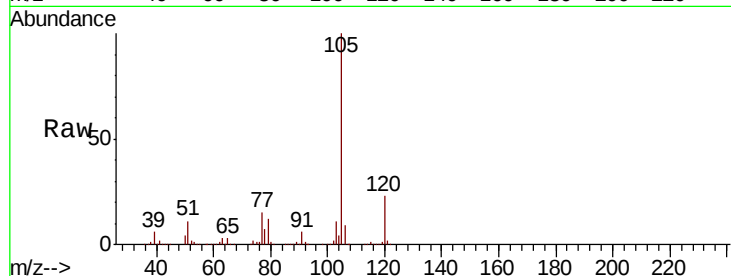
ClientSampleId :

Tot Ion:105 Resp: 2080344

Ion Ratio Lower Upper

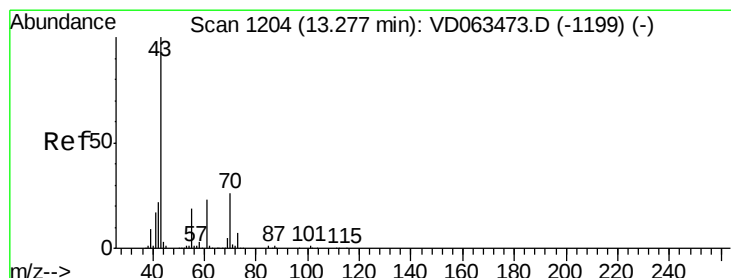
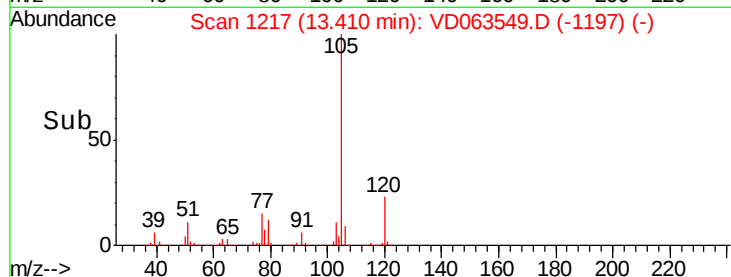
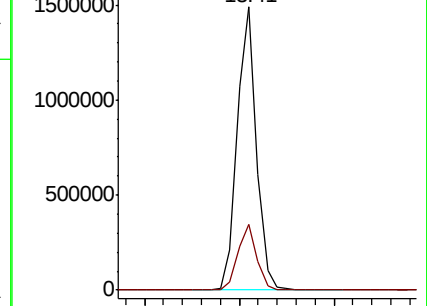
105 100

120 23.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.739 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Tgt Ion: 43 Resp: 550936

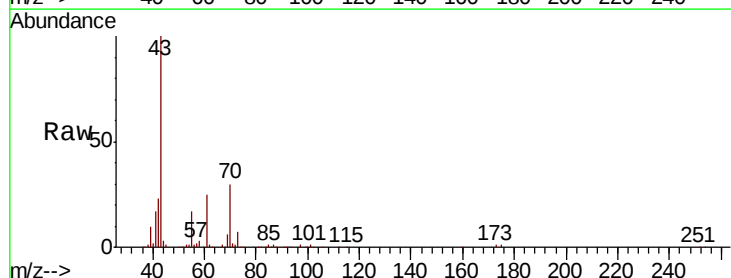
Ion Ratio Lower Upper

43 100

70 29.5 21.1 31.7

55 17.5 15.4 23.0

61 24.7 18.2 27.2

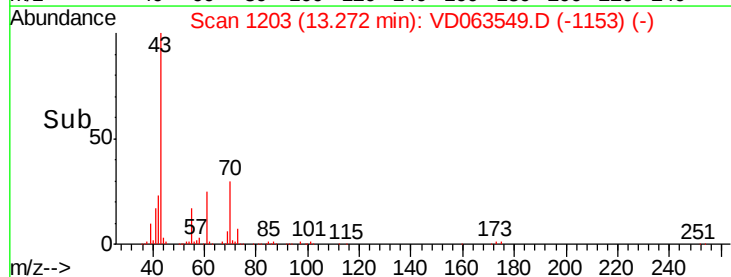
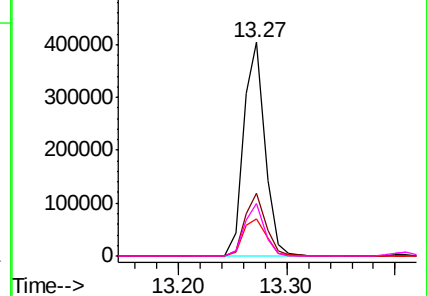


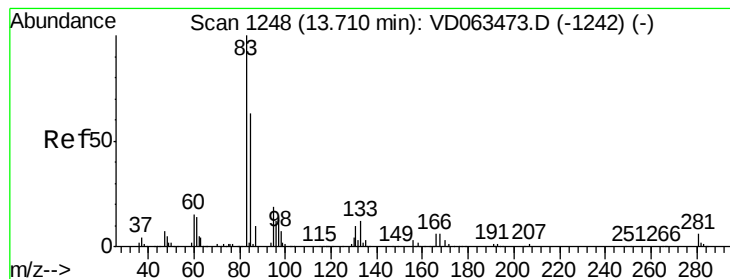
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.749 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

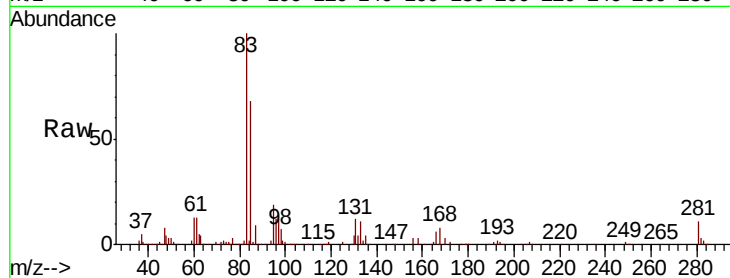
Tot Ion: 83 Resp: 358038

Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.3	15.8
85	68.3	31.4	94.3

83 100

131 12.0 5.3 15.8

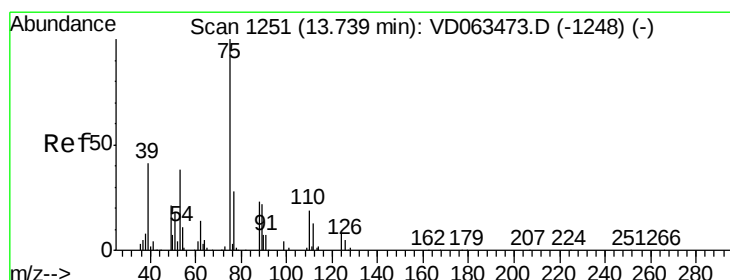
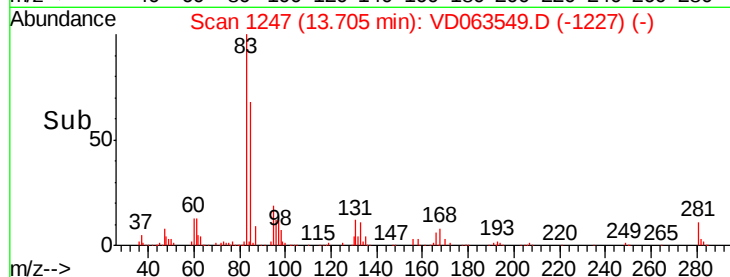
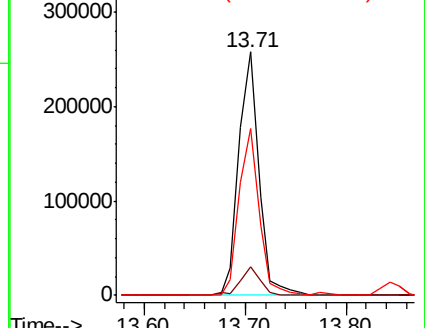
85 68.3 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.982 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063549.D

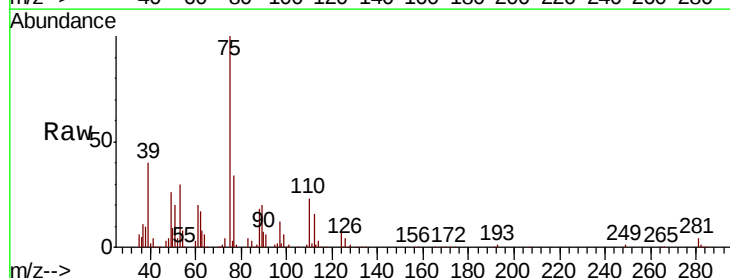
Acq: 14 Aug 2019 1:41

Tgt Ion: 75 Resp: 370236

Ion	Ratio	Lower	Upper
75	100		
77	33.8	15.1	45.3

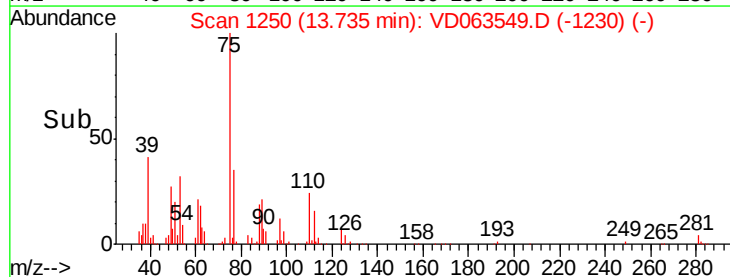
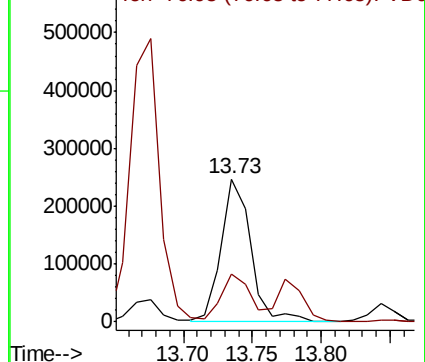
75 100

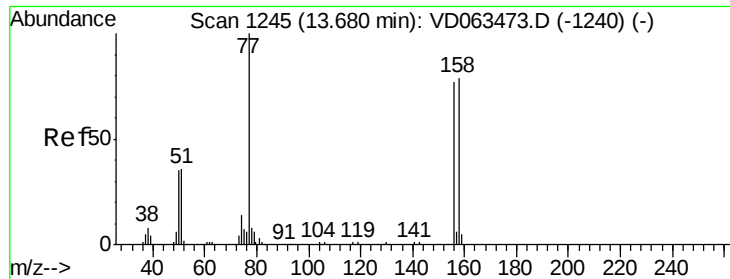
77 33.8 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

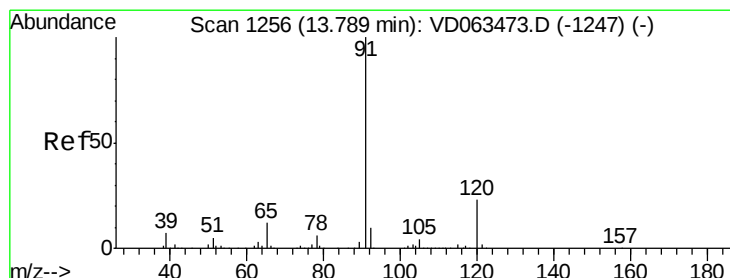
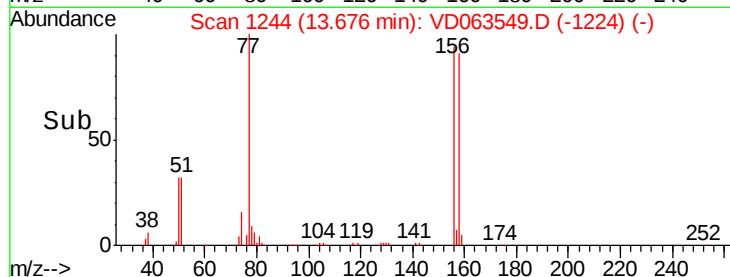
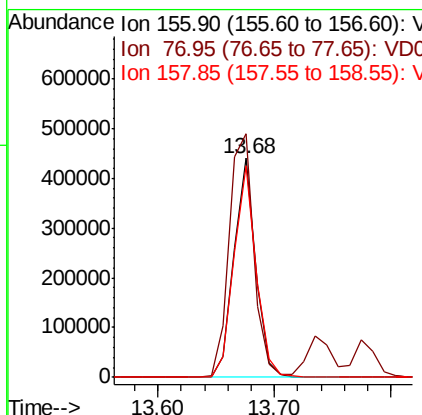
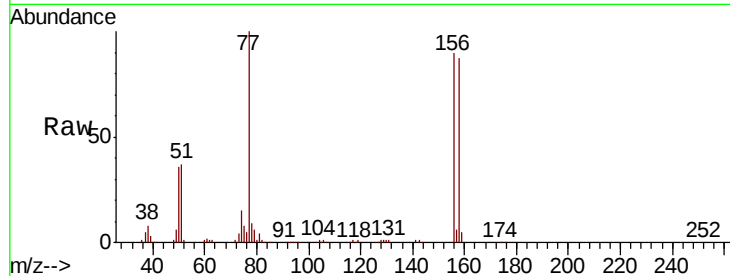




#77
Bromobenzene
Concen: 55.214 ug/l
RT: 13.68 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

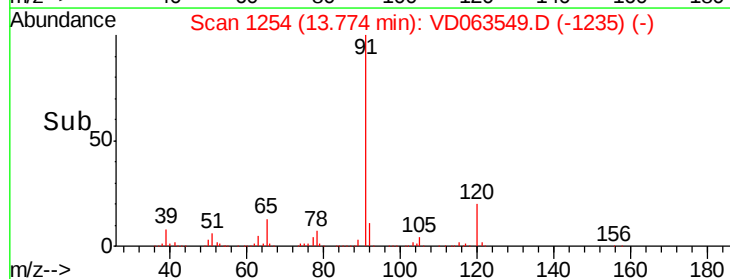
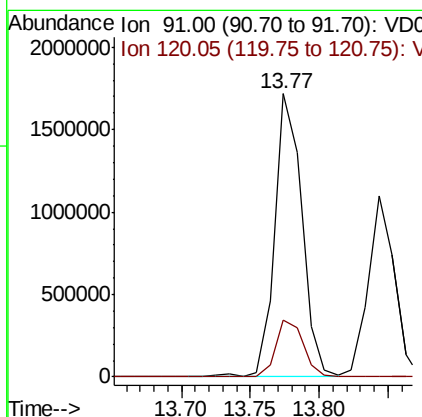
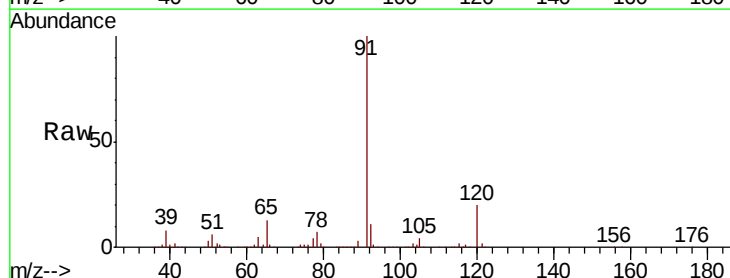
Instrument :
MSVOA_D
ClientSampleId :

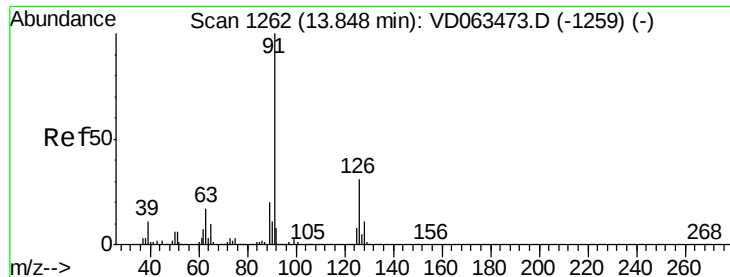
Tot Ion:156 Resp: 573589
Ion Ratio Lower Upper
156 100
77 111.2 64.6 193.8
158 96.5 50.9 152.7



#78
n-propylbenzene
Concen: 52.507 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 91 Resp: 2335203
Ion Ratio Lower Upper
91 100
120 19.9 11.3 33.9





#79

2-Chlorotoluene

Concen: 56.378 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

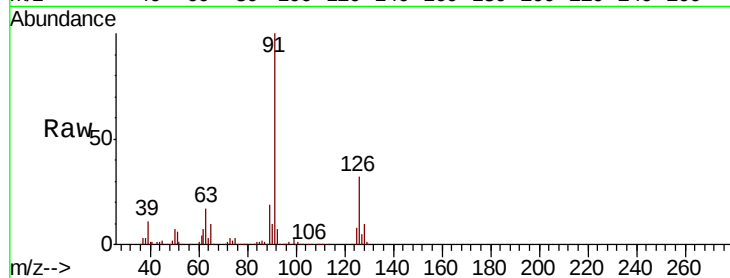
ClientSampleId :

Tot Ion: 91 Resp: 1445699

Ion Ratio Lower Upper

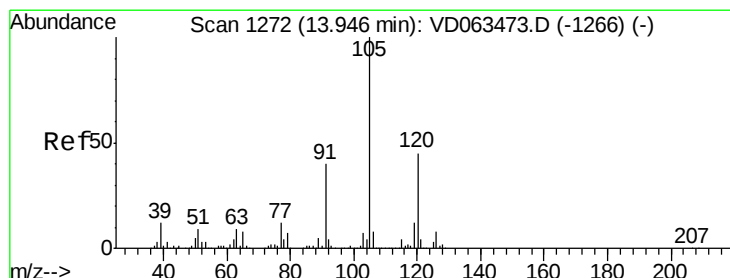
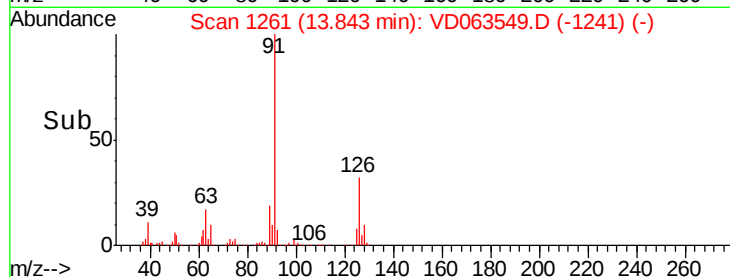
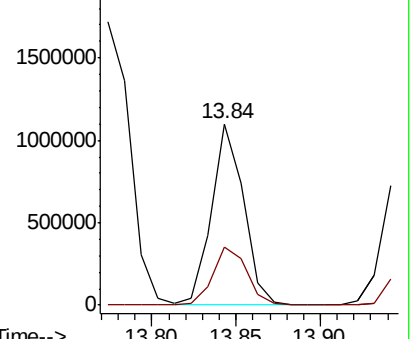
91 100

126 32.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.367 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063549.D

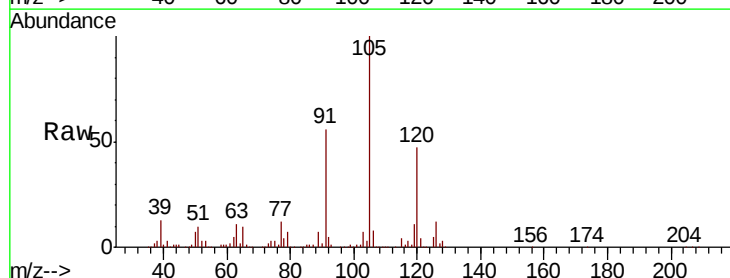
Acq: 14 Aug 2019 1:41

Tgt Ion:105 Resp: 1805614

Ion Ratio Lower Upper

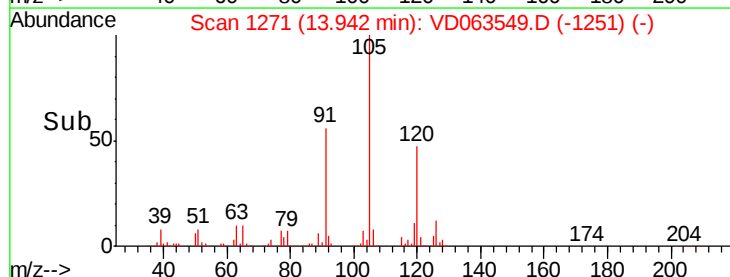
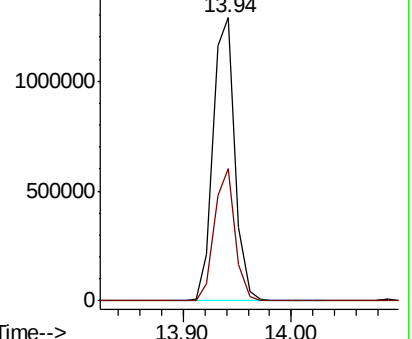
105 100

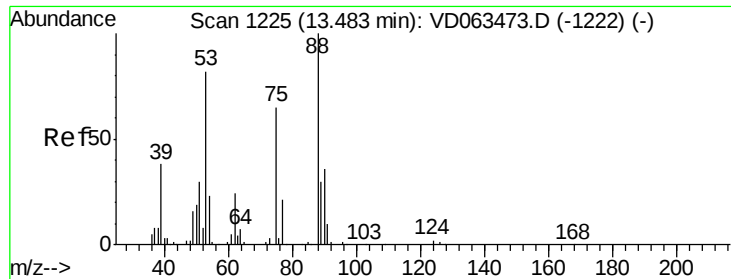
120 46.9 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

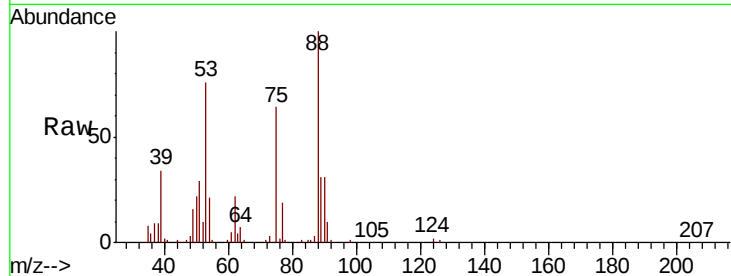




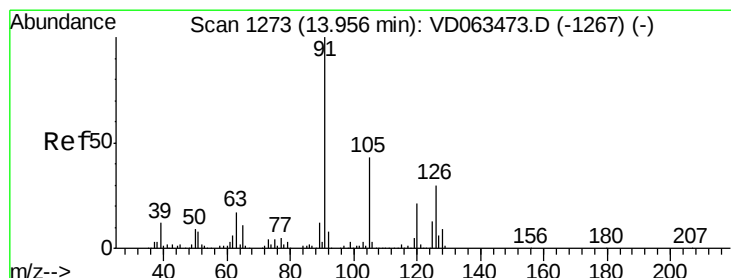
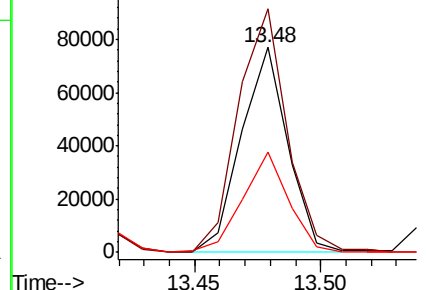
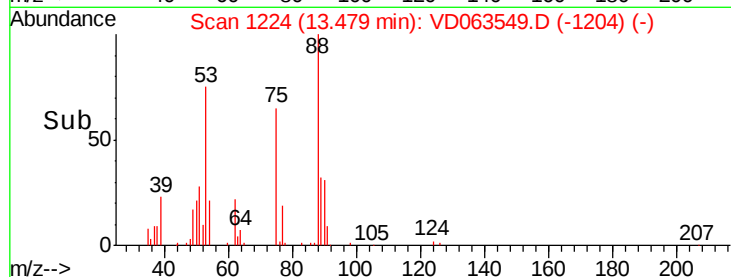
#81
trans-1,4-Dichloro-2-butene
Concen: 53.838 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 99244
Ion Ratio Lower Upper
75 100
53 118.8 101.0 151.4
89 48.8 37.0 55.6

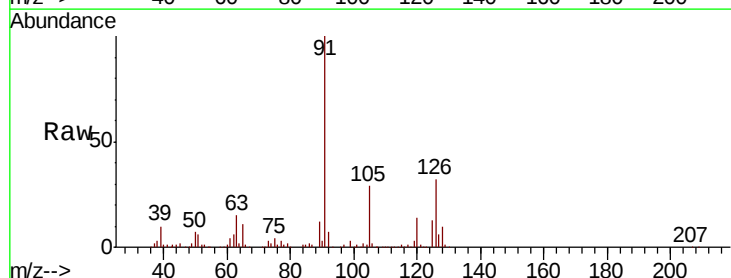


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

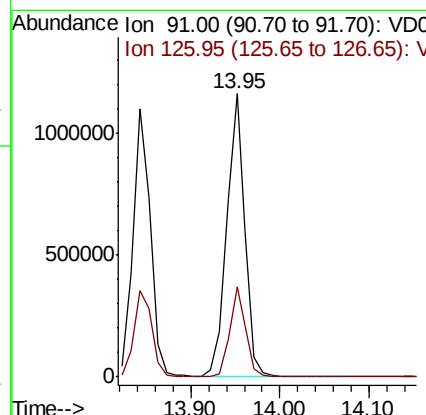
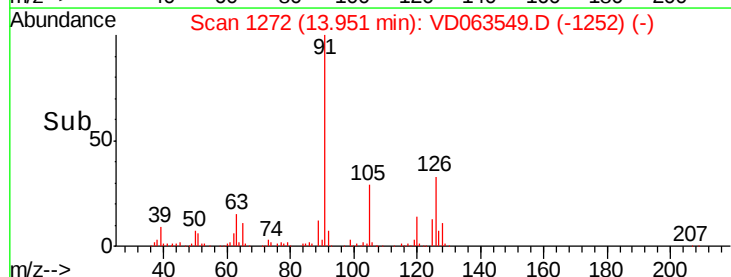


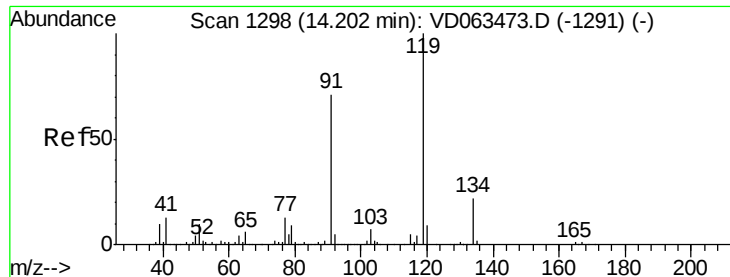
#82
4-Chlorotoluene
Concen: 53.749 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 91 Resp: 1657386
Ion Ratio Lower Upper
91 100
126 31.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 55.480 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

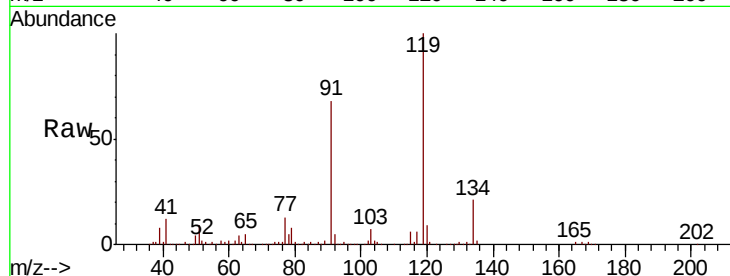
Tot Ion:119 Resp: 1940291

Ion Ratio Lower Upper

119 100

91 68.5 35.5 106.7

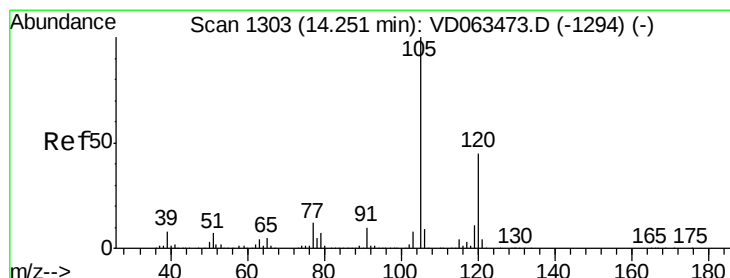
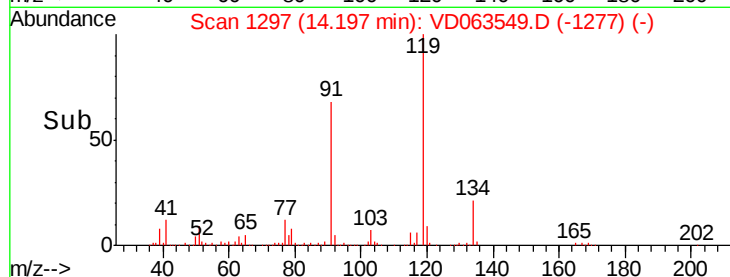
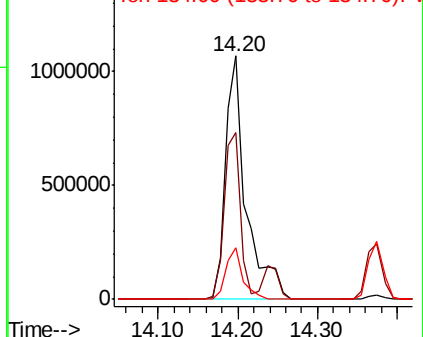
134 21.0 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 58.692 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063549.D

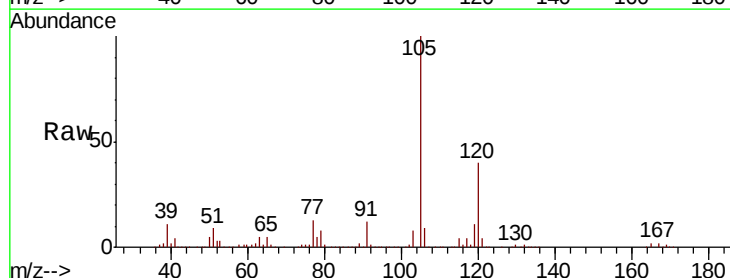
Acq: 14 Aug 2019 1:41

Tgt Ion:105 Resp: 1803564

Ion Ratio Lower Upper

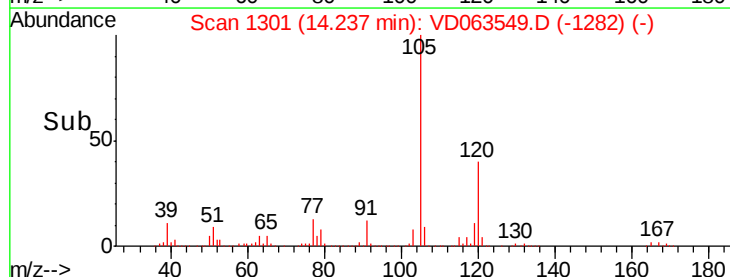
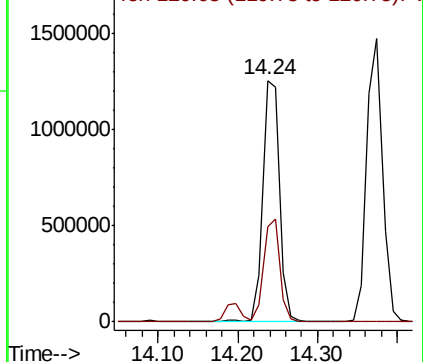
105 100

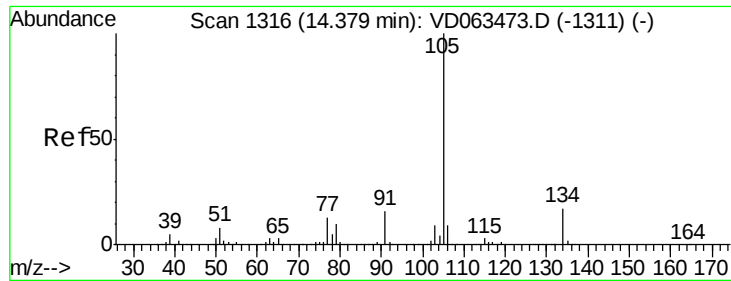
120 39.6 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

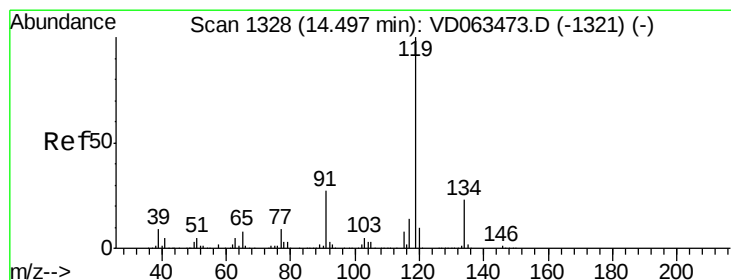
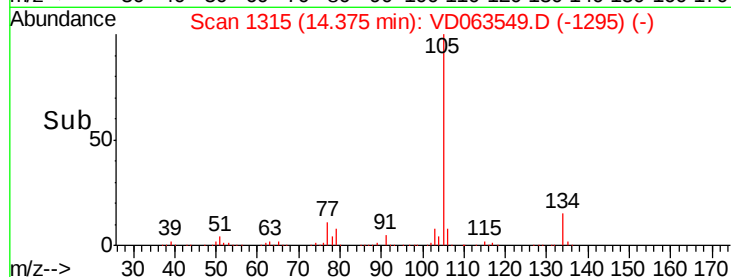
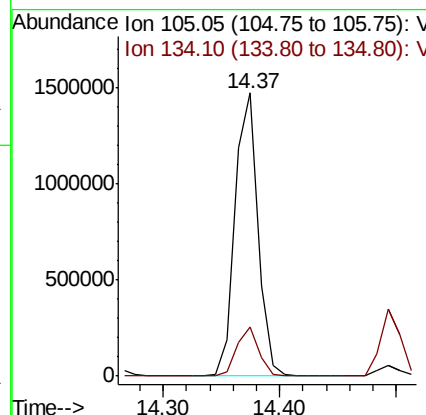
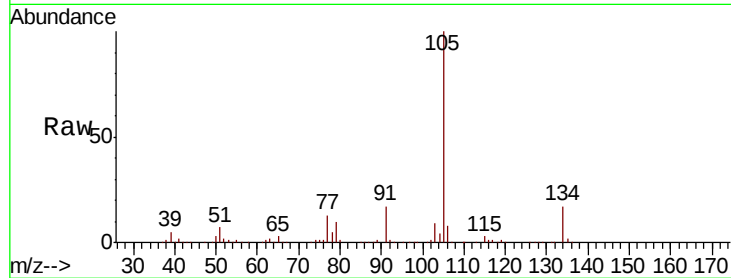




#85
 sec-Butylbenzene
 Concen: 53.995 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

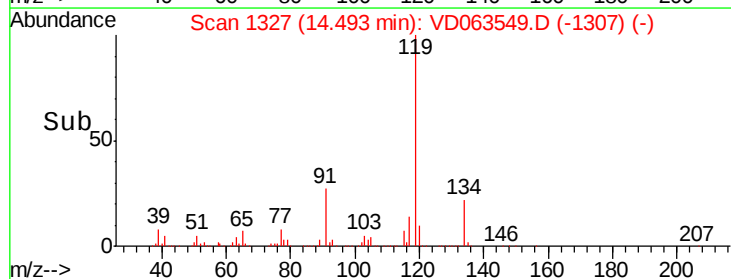
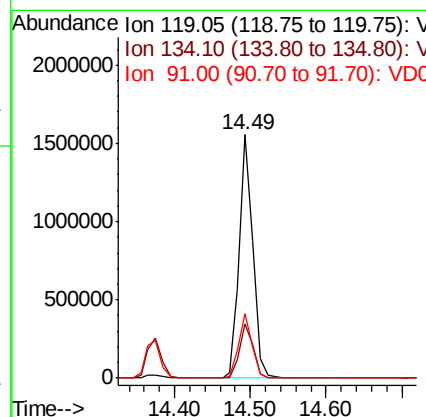
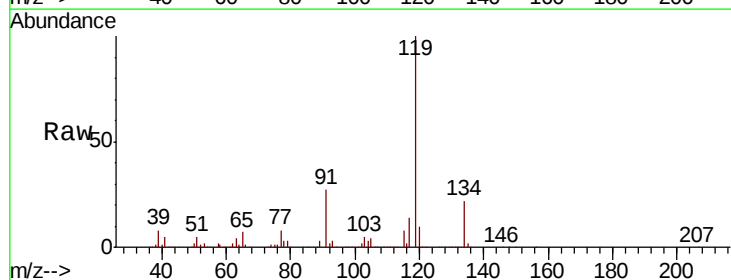
Instrument :
 MSVOA_D
 ClientSampleId :

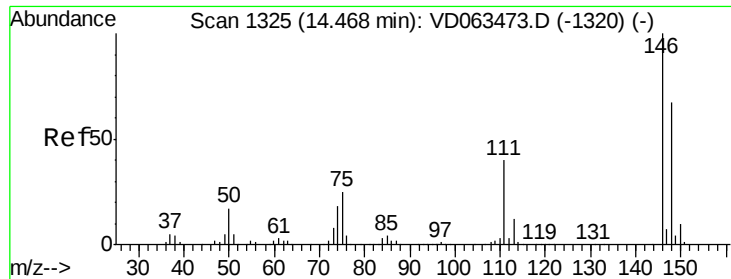
Tot Ion:105 Resp: 2005410
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 53.177 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion:119 Resp: 1888396
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.3 33.8
 91 26.7 13.5 40.4



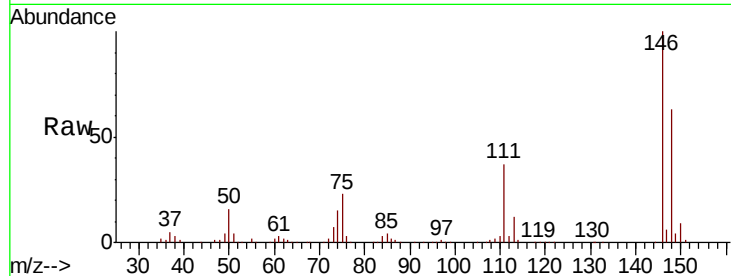


#87
 1,3-Dichlorobenzene
 Concen: 55.260 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

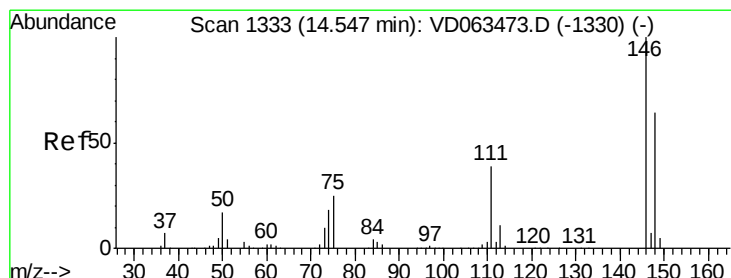
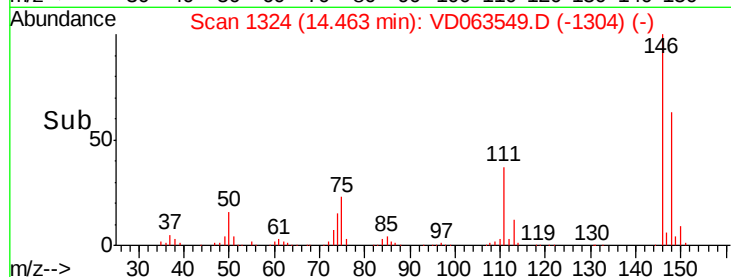
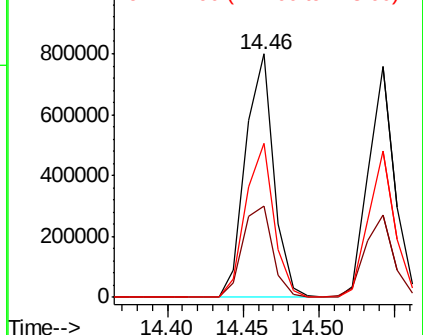
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 1038386

Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.0	60.0
148	63.3	33.6	100.6



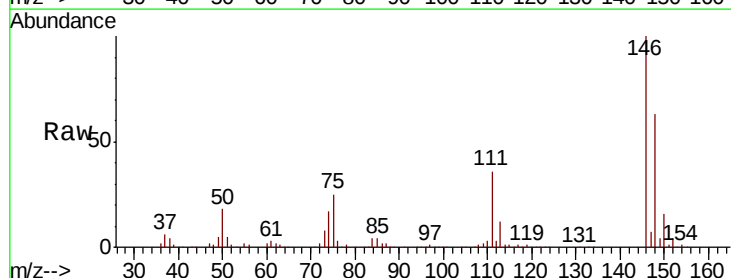
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



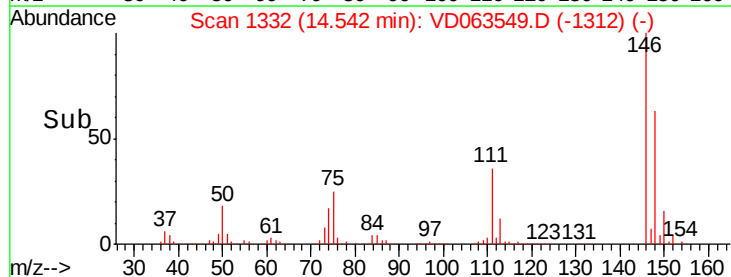
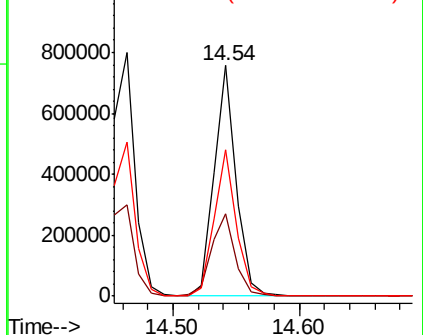
#88
 1,4-Dichlorobenzene
 Concen: 51.002 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

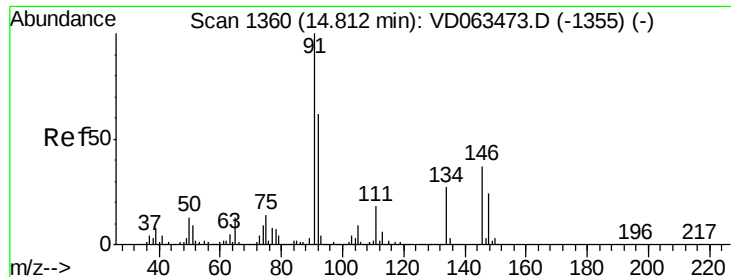
Tgt Ion:146 Resp: 919479

Ion	Ratio	Lower	Upper
146	100		
111	36.0	19.7	59.0
148	63.5	32.1	96.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.768 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

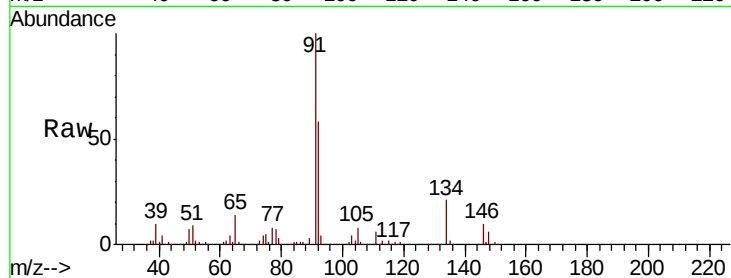
Tot Ion: 91 Resp: 1677846

Ion Ratio Lower Upper

91 100

92 57.6 30.8 92.3

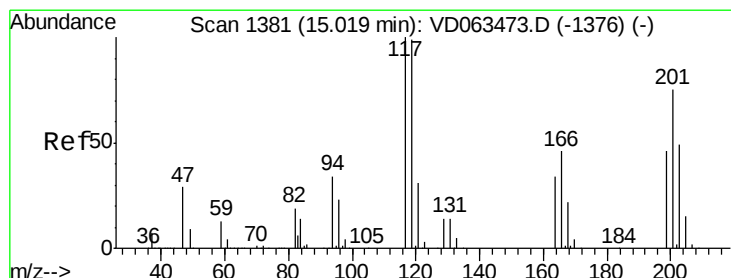
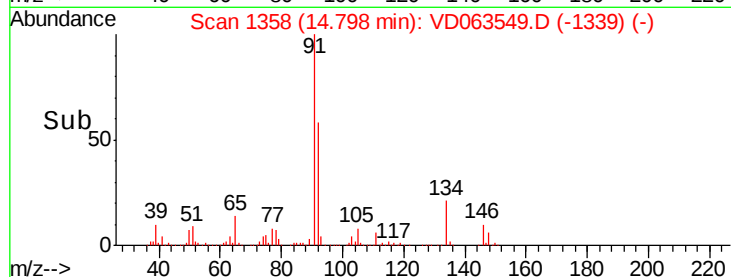
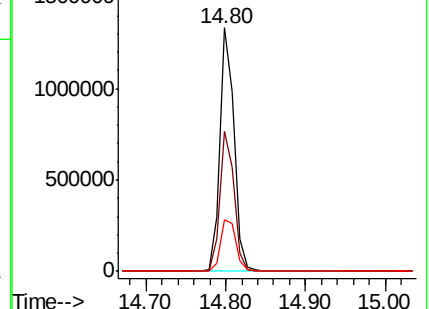
134 21.0 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 58.979 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063549.D

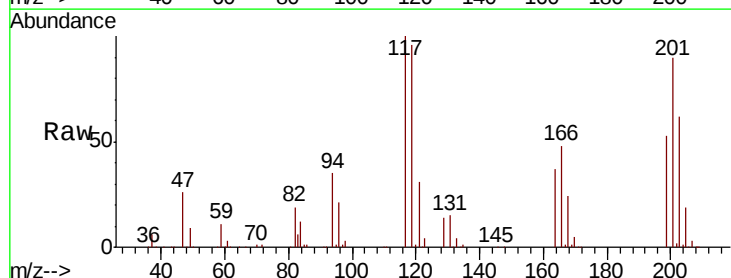
Acq: 14 Aug 2019 1:41

Tgt Ion: 117 Resp: 526434

Ion Ratio Lower Upper

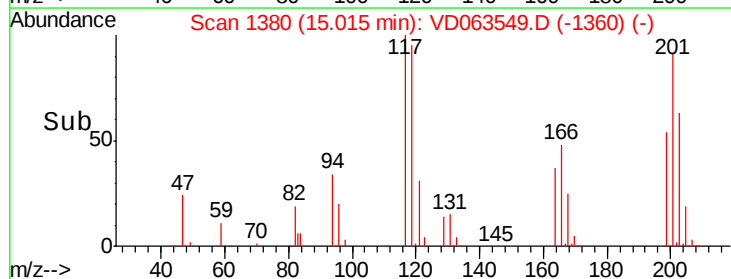
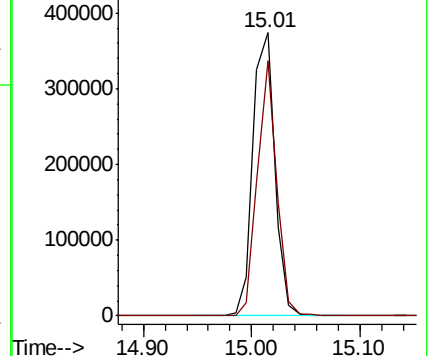
117 100

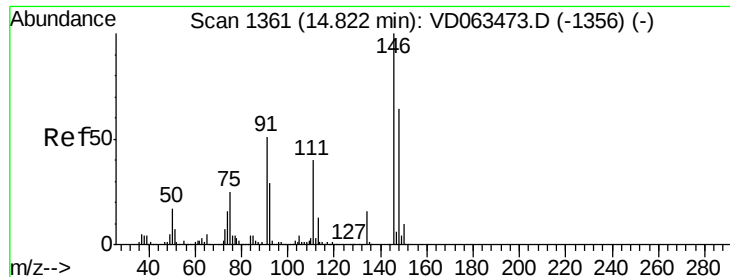
201 90.0 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

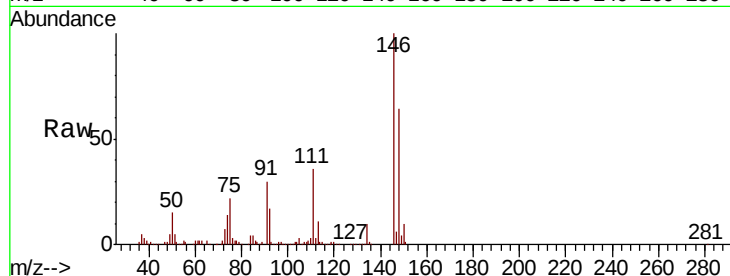




#91
 1,2-Dichlorobenzene
 Concen: 53.339 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	20.2	60.6
148	63.7	32.1	96.5

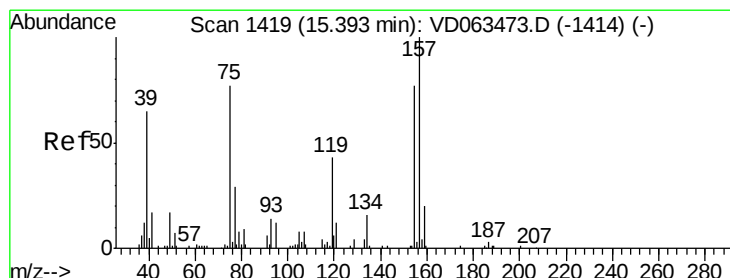
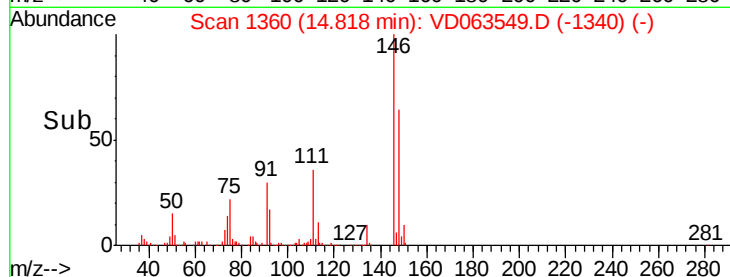
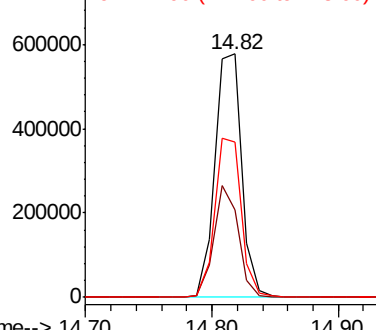


Abundance

Ion 145.95 (145.65 to 146.65): V

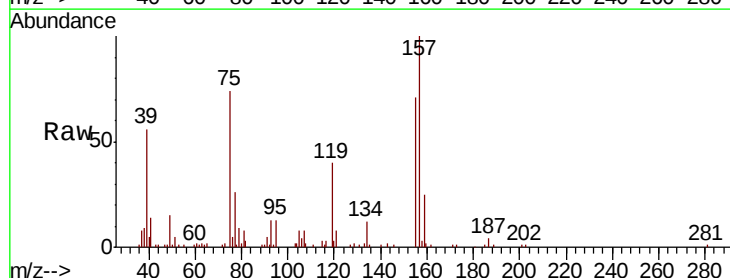
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.919 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	50.1	150.3
157	135.6	65.0	195.1

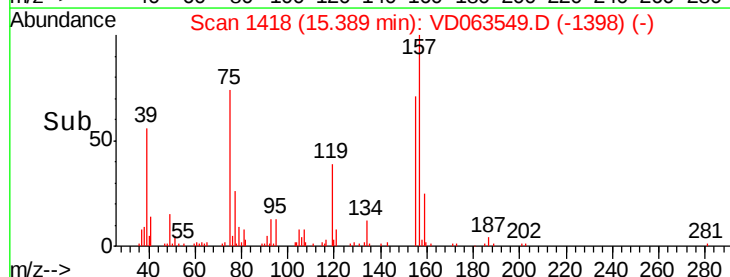
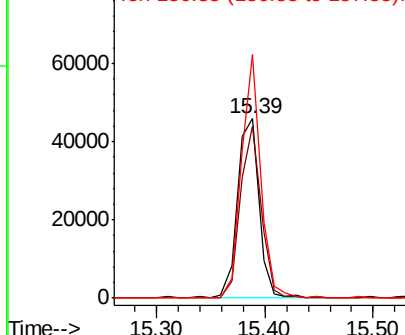


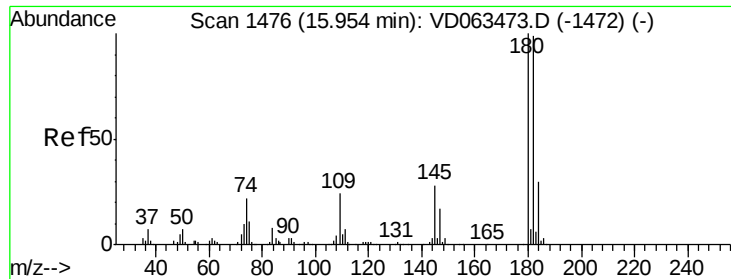
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

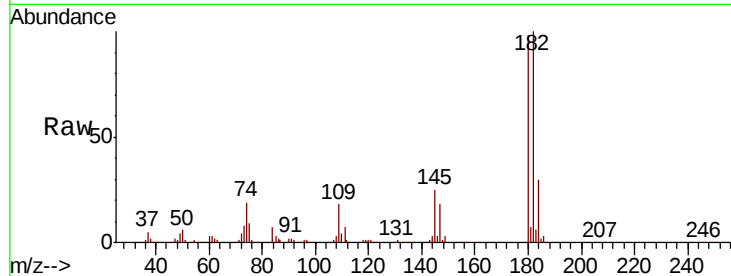




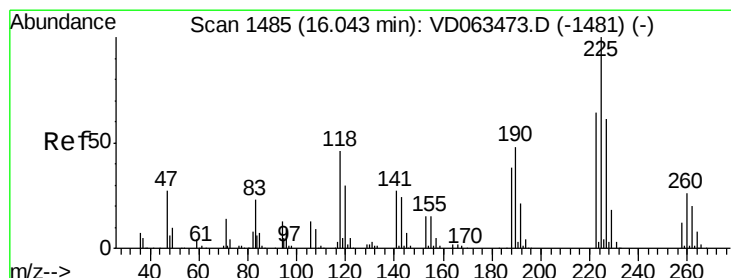
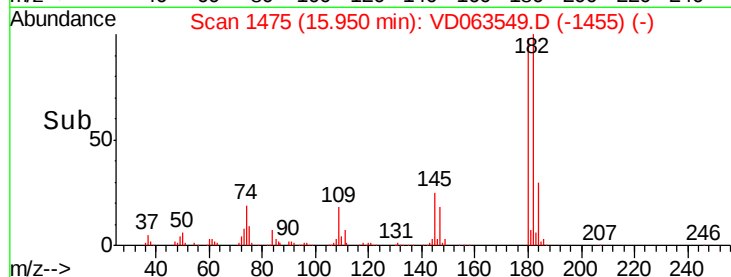
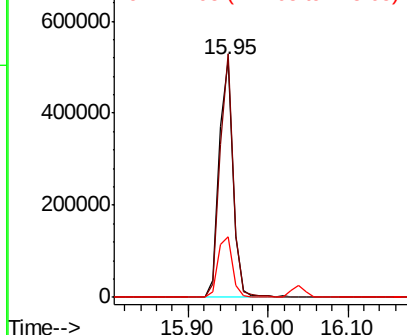
#93
 1,2,4-Trichlorobenzene
 Concen: 55.063 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 645946
 Ion Ratio Lower Upper
 180 100
 182 102.4 49.7 149.1
 145 25.7 14.1 42.2

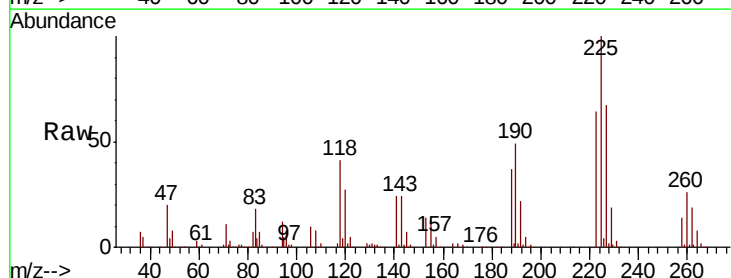


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

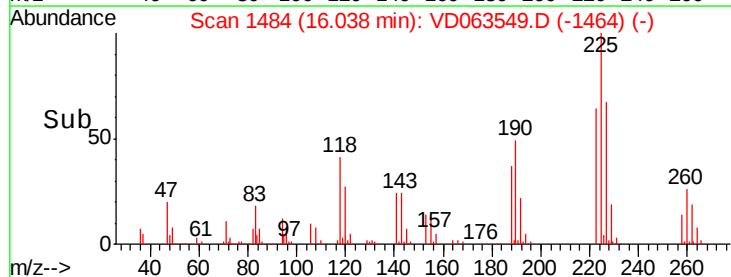
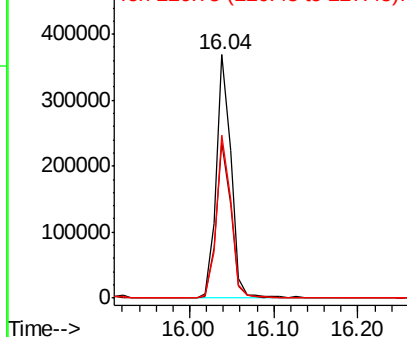


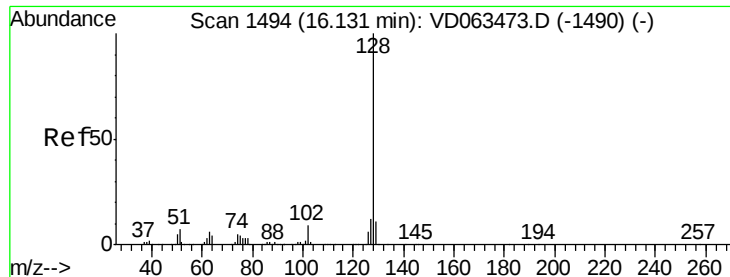
#94
 Hexachlorobutadiene
 Concen: 50.584 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion:225 Resp: 452254
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.5
 227 66.8 30.7 92.1



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

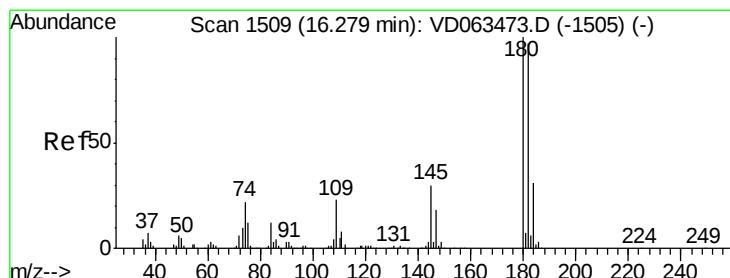
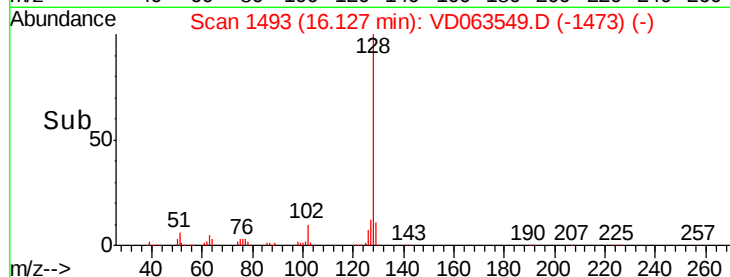
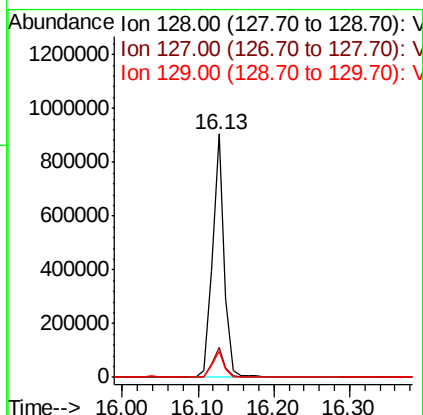
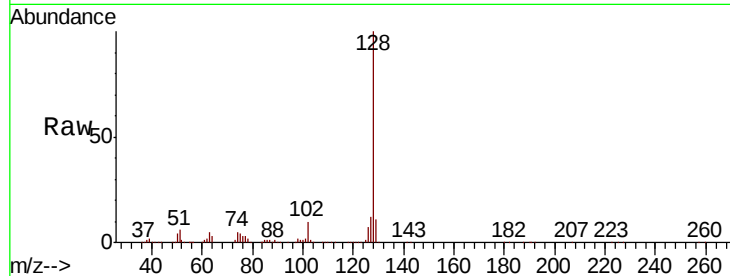




#95
Naphthalene
Concen: 55.802 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 992070
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.0
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 54.058 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:180 Resp: 512197
Ion Ratio Lower Upper
180 100
182 100.6 48.4 145.2
145 29.1 14.9 44.9

