

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063415.D
 Acq On : 7 Aug 2019 10:36
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 08:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1022383	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1407686	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1176673	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	639240	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	527788	46.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	6.93	113	549079	45.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.38%	
50) Toluene-d8	10.42	98	1203155	44.73	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.46%	
62) 4-Bromofluorobenzene	13.56	95	538811	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	570802	45.674	ug/l	98
3) Chloromethane	1.75	50	439003	45.213	ug/l	98
4) Vinyl Chloride	1.85	62	474858	47.242	ug/l	99
5) Bromomethane	2.16	94	234584	46.274	ug/l	99
6) Chloroethane	2.26	64	231897	49.969	ug/l	94
7) Trichlorofluoromethane	2.53	101	1024399	52.533	ug/l	97
8) Diethyl Ether	2.88	74	121214	44.415	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	543246	50.292	ug/l	97
10) Methyl Iodide	3.31	142	713629	45.732	ug/l	97
11) Tert butyl alcohol	4.08	59	108718	218.378	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	404958	51.067	ug/l	85
13) Acrolein	3.03	56	98221	205.000	ug/l	97
14) Allyl chloride	3.62	41	568513	45.003	ug/l	84
15) Acrylonitrile	4.20	53	308062	238.678	ug/l	99
16) Acetone	3.23	43	655175	296.417	ug/l	96
17) Carbon Disulfide	3.38	76	1137479	42.855	ug/l	97
18) Methyl Acetate	3.65	43	198668	46.793	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	930653	51.955	ug/l	94
20) Methylene Chloride	3.82	84	426985	47.791	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	444566	49.964	ug/l	89
22) Diisopropyl ether	5.13	45	1250918	49.563	ug/l	99
23) Vinyl Acetate	5.07	43	3965351	255.592	ug/l	98
24) 1,1-Dichloroethane	4.99	63	790779	49.052	ug/l	97
25) 2-Butanone	6.08	43	599715	270.356	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	911500	54.864	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	488901	51.249	ug/l	94
28) Bromochloromethane	6.45	49	336203	52.342	ug/l #	99
29) Tetrahydrofuran	6.47	42	251008	239.004	ug/l	97
30) Chloroform	6.67	83	1018752	50.920	ug/l	96
31) Cyclohexane	6.96	56	486335	48.128	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	1029777	53.213	ug/l	99
36) 1,1-Dichloropropene	7.15	75	633535	49.314	ug/l	98
37) Ethyl Acetate	6.19	43	280456	48.592	ug/l	99
38) Carbon Tetrachloride	7.12	117	985900	50.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	500093	46.722	ug/l	95
40) Benzene	7.46	78	1406310	52.231	ug/l	99
41) Methacrylonitrile	6.45	41	344908	49.958	ug/l #	81
42) 1,2-Dichloroethane	7.58	62	772803	54.158	ug/l	100
43) Isopropyl Acetate	9.24	43	373307	50.634	ug/l #	99
44) Trichloroethene	8.55	130	556571	51.014	ug/l	92
45) 1,2-Dichloropropane	8.95	63	340810	49.800	ug/l	98
46) Dibromomethane	9.07	93	296951	52.185	ug/l	96
47) Bromodichloromethane	9.38	83	781692	53.890	ug/l	97
48) Methyl methacrylate	9.13	41	260841	54.551	ug/l	94
49) 1,4-Dioxane	9.09	88	43321	1069.797	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1269272	253.146	ug/l	96
52) Toluene	10.51	92	976525	54.531	ug/l	92
53) t-1,3-Dichloropropene	10.92	75	658267	52.638	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	702090	53.420	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	326965	54.061	ug/l	98
56) Ethyl methacrylate	11.05	69	343085	51.804	ug/l	99
57) 1,3-Dichloropropane	11.41	76	500181	52.489	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	777492	225.616	ug/l	97
59) 2-Hexanone	11.54	43	1026198	284.006	ug/l	97
60) Dibromochloromethane	11.70	129	630666	55.236	ug/l	99
61) 1,2-Dibromoethane	11.81	107	391834	52.504	ug/l	100
64) Tetrachloroethene	11.26	164	489406	52.208	ug/l	97
65) Chlorobenzene	12.40	112	1223680	54.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	547848	54.953	ug/l	98
67) Ethyl Benzene	12.53	91	2069977	53.839	ug/l	99
68) m/p-Xylenes	12.67	106	1435847	101.833	ug/l	94
69) o-Xylene	13.05	106	701468	54.175	ug/l	94
70) Styrene	13.07	104	1192666	51.939	ug/l	96
71) Bromoform	13.24	173	403036	55.591	ug/l	97
73) Isopropylbenzene	13.41	105	2091452	52.129	ug/l	97
74) N-amyl acetate	13.27	43	564037	53.180	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	342918	50.318	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	381751	49.720	ug/l	97
77) Bromobenzene	13.67	156	575807	50.381	ug/l	91
78) n-propylbenzene	13.78	91	2371038	49.661	ug/l	97
79) 2-Chlorotoluene	13.84	91	1344829	48.612	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1739440	50.267	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	103623	48.602	ug/l	94
82) 4-Chlorotoluene	13.95	91	1646454	50.570	ug/l	95
83) tert-Butylbenzene	14.20	119	1928008	48.797	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	1682865	47.018	ug/l	98
85) sec-Butylbenzene	14.37	105	2058071	49.439	ug/l	99
86) p-Isopropyltoluene	14.49	119	1927437	48.511	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1076290	53.176	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	979070	47.836	ug/l	98
89) n-Butylbenzene	14.81	91	1821582	53.082	ug/l	97
90) Hexachloroethane	15.01	117	543497	52.504	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	908881	51.539	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	68978	49.689	ug/l #	50

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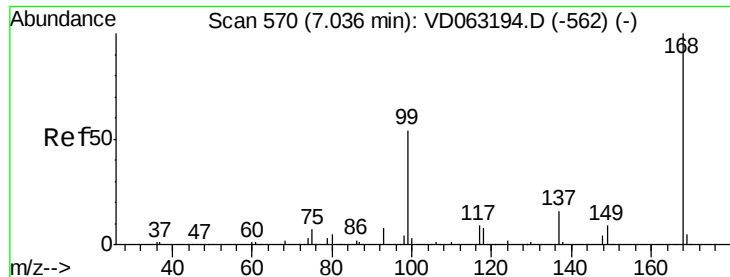
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	693856	49.597	ug/l	97
94) Hexachlorobutadiene	16.04	225	486234	47.961	ug/l	98
95) Naphthalene	16.13	128	952236	48.158	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	541791	49.023	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

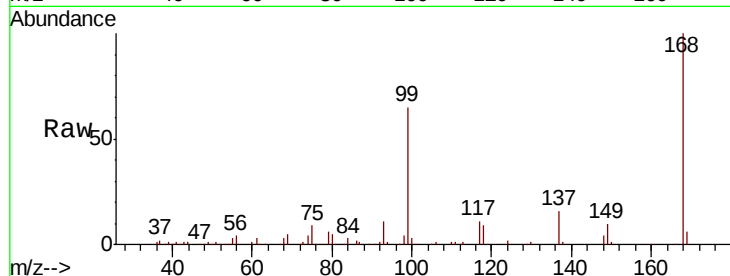
VSTDCCC050

Tgt Ion:168 Resp: 1022383

Ion Ratio Lower Upper

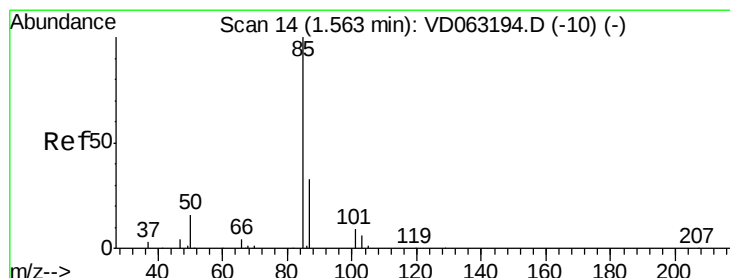
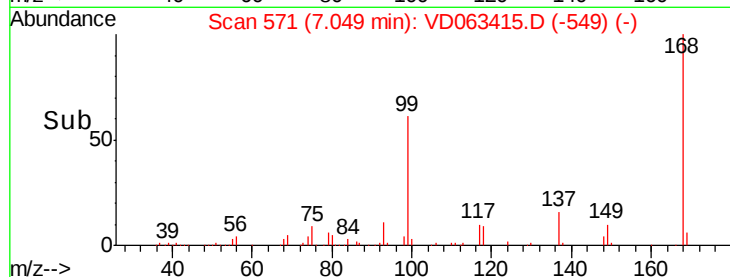
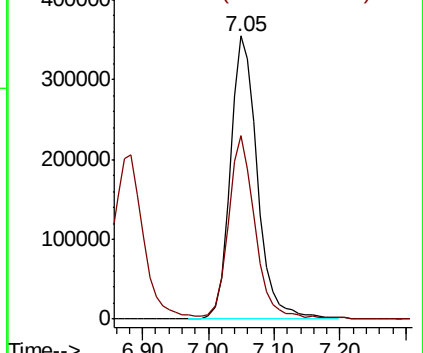
168 100

99 65.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.674 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063415.D

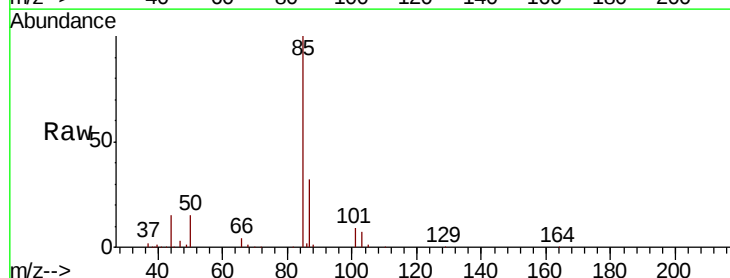
Acq: 7 Aug 2019 10:36

Tgt Ion: 85 Resp: 570802

Ion Ratio Lower Upper

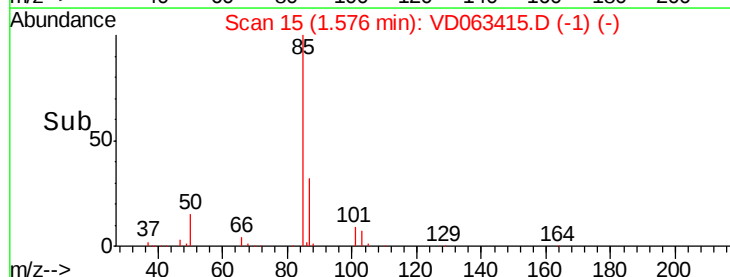
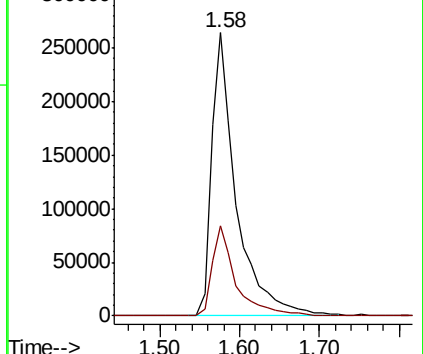
85 100

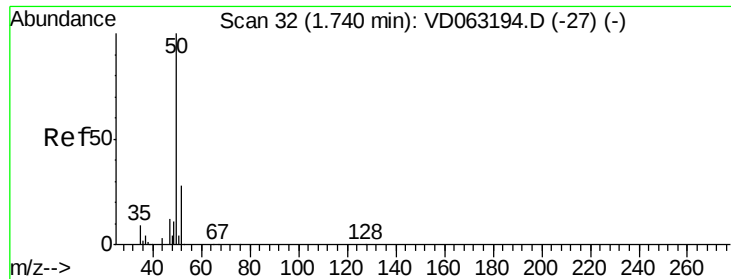
87 32.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.213 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

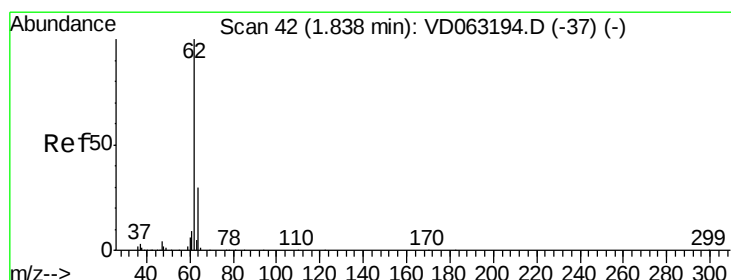
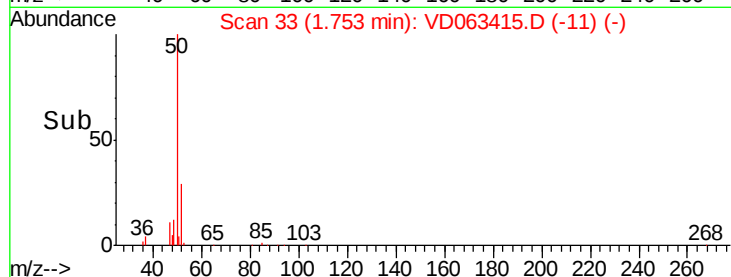
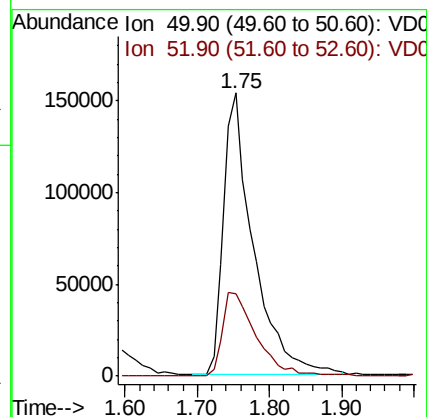
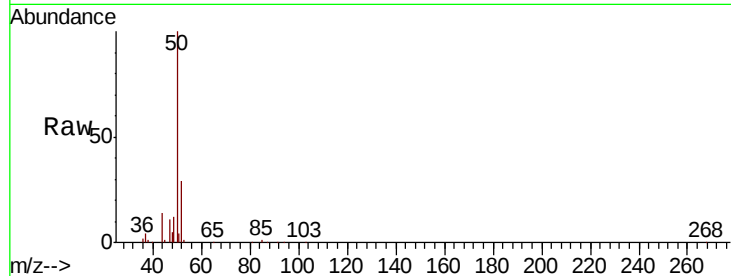
VSTDCCC050

Tgt Ion: 50 Resp: 439003

Ion Ratio Lower Upper

50 100

52 29.2 22.6 34.0



#4

Vinyl Chloride

Concen: 47.242 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063415.D

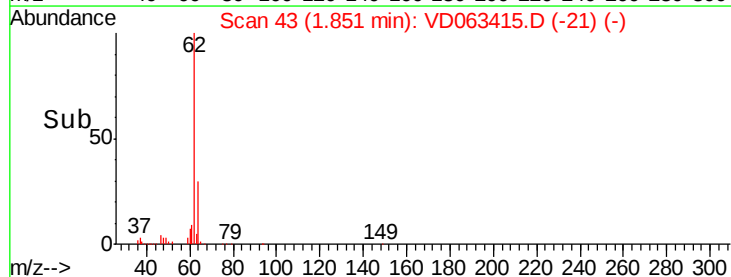
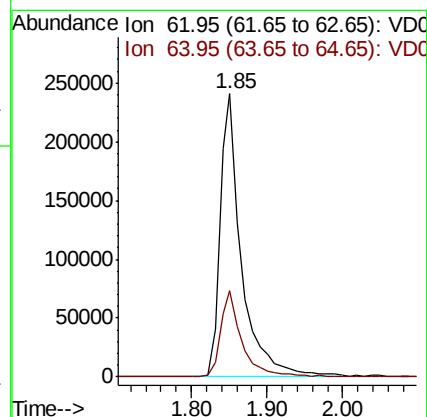
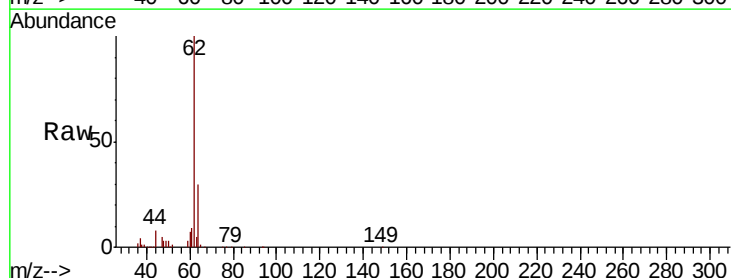
Acq: 7 Aug 2019 10:36

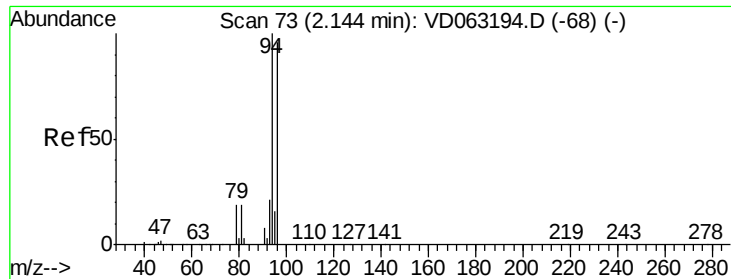
Tgt Ion: 62 Resp: 474858

Ion Ratio Lower Upper

62 100

64 30.5 24.1 36.1





#5

Bromomethane

Concen: 46.274 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

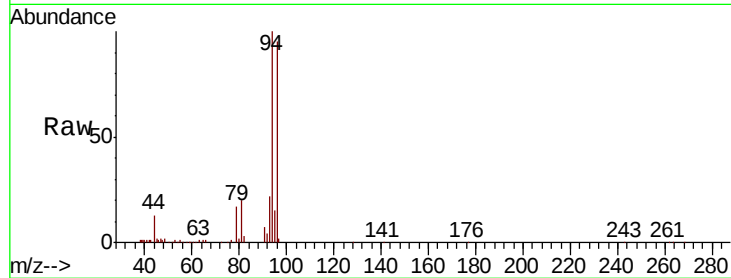
Tgt Ion: 94 Resp: 234584

Ion Ratio Lower Upper

94 100

96 96.5 76.4 114.6

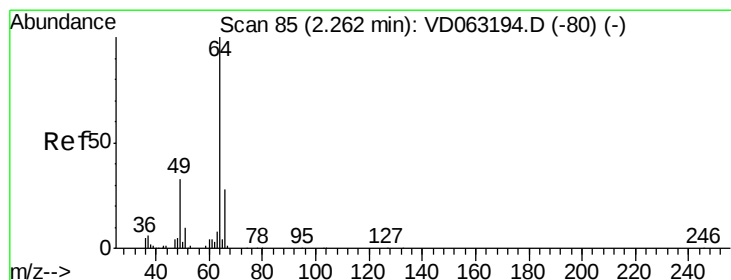
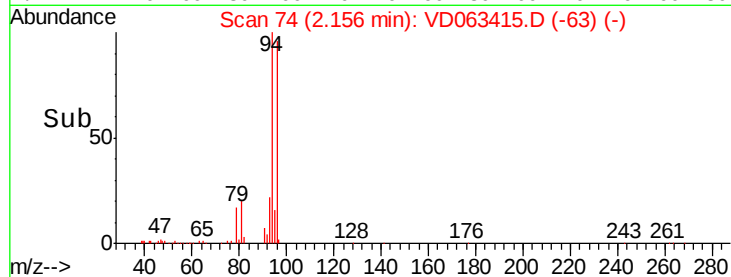
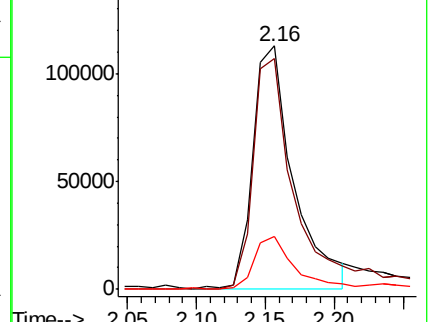
93 21.6 17.3 25.9



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: 49.969 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063415.D

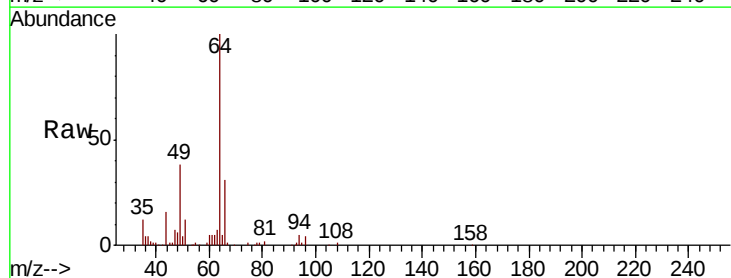
Acq: 7 Aug 2019 10:36

Tgt Ion: 64 Resp: 231897

Ion Ratio Lower Upper

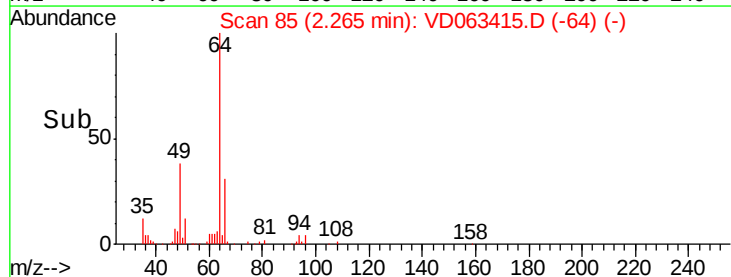
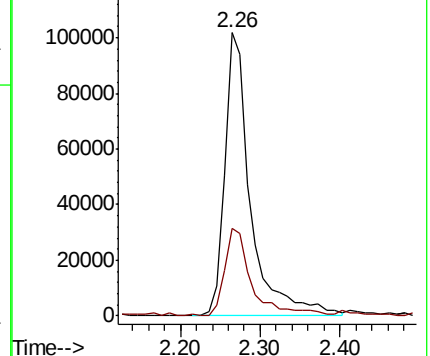
64 100

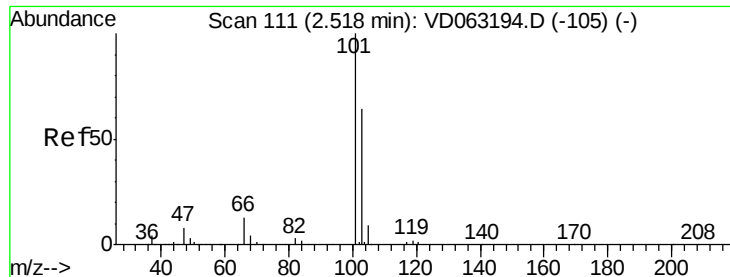
66 31.0 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



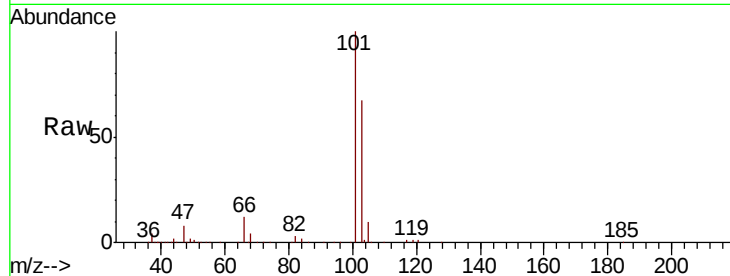


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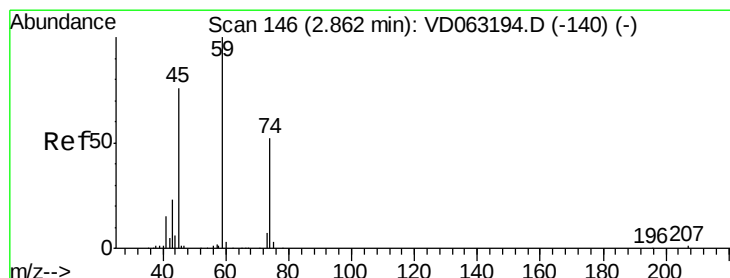
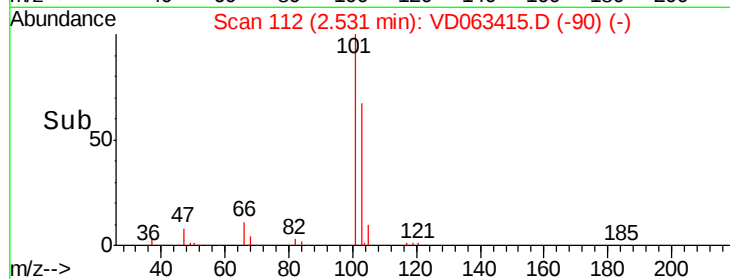
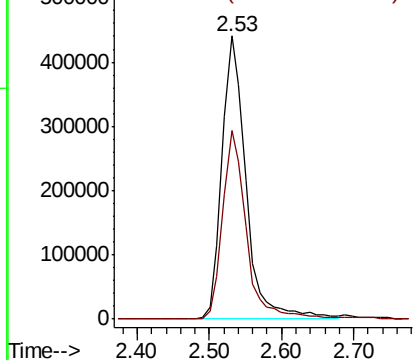
Trichlorofluoromethane
Concen: 52.533 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063415.D
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Tgt Ion:101 Resp: 1024399
Ion Ratio Lower Upper
101 100
103 66.6 51.5 77.3



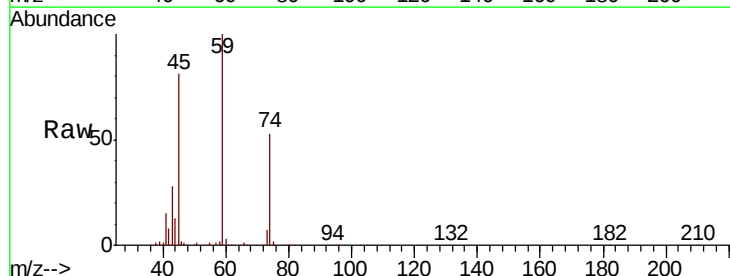
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



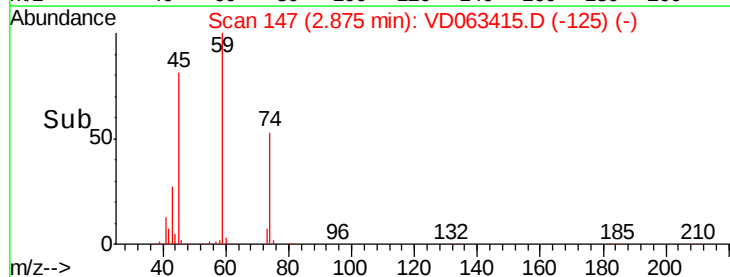
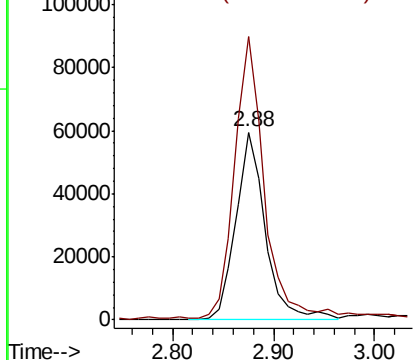
#8

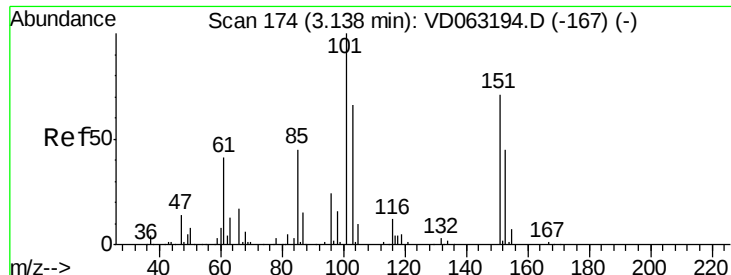
Diethyl Ether
Concen: 44.415 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 74 Resp: 121214
Ion Ratio Lower Upper
74 100
45 150.9 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC

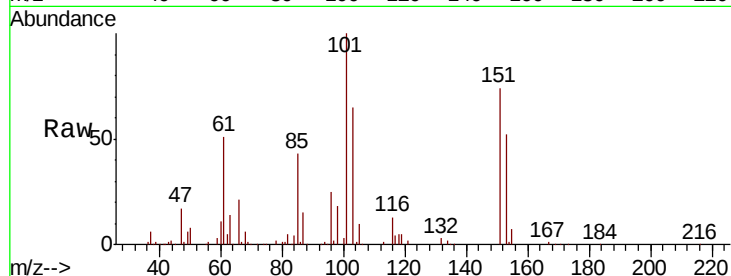




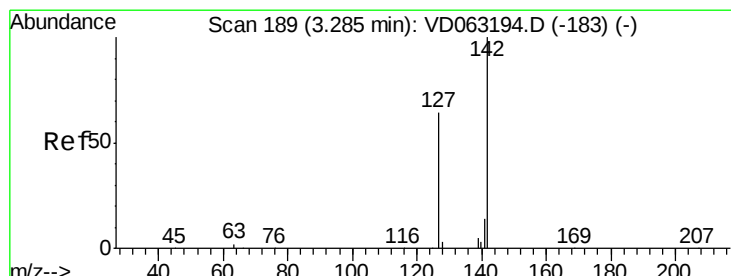
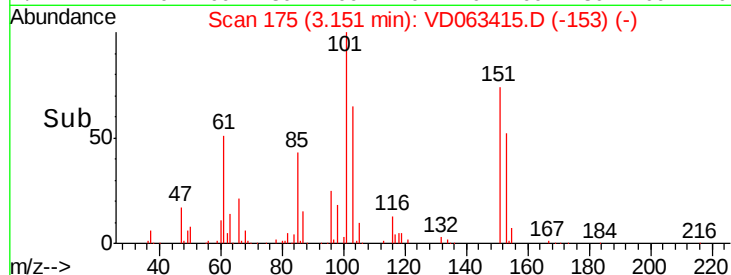
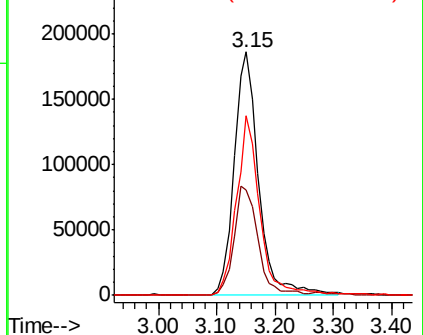
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.292 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

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 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 543246
 Ion Ratio Lower Upper
 101 100
 85 43.1 36.1 54.1
 151 73.9 57.1 85.7

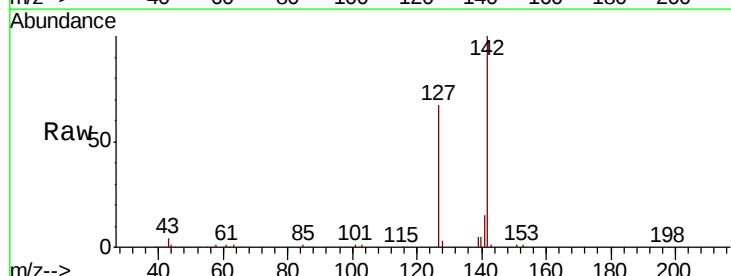


Abundance Ion 100.85 (100.55 to 101.55): V
 250000 Ion 84.95 (84.65 to 85.65): V
 200000 Ion 150.90 (150.60 to 151.60): V

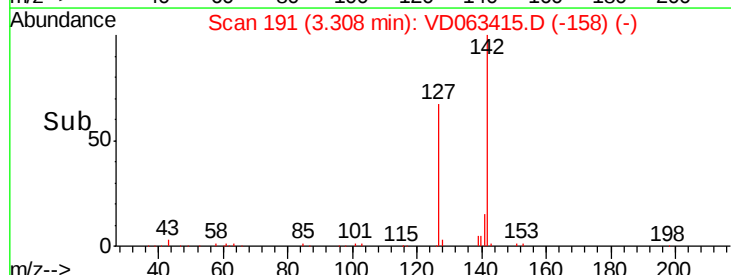
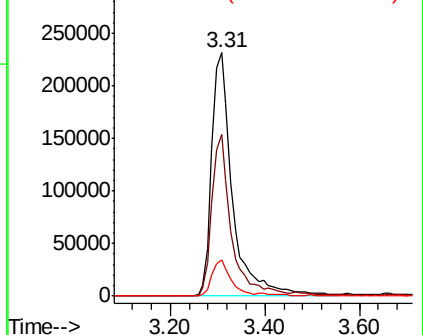


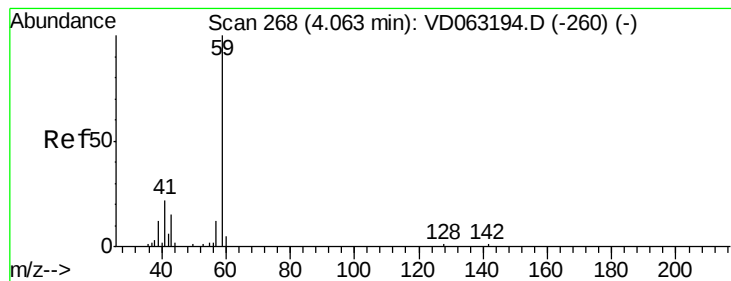
#10
 Methyl Iodide
 Concen: 45.732 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion:142 Resp: 713629
 Ion Ratio Lower Upper
 142 100
 127 66.5 50.8 76.2
 141 14.7 11.4 17.2



Abundance Ion 141.85 (141.55 to 142.55): V
 300000 Ion 126.80 (126.50 to 127.50): V
 250000 Ion 140.85 (140.55 to 141.55): V



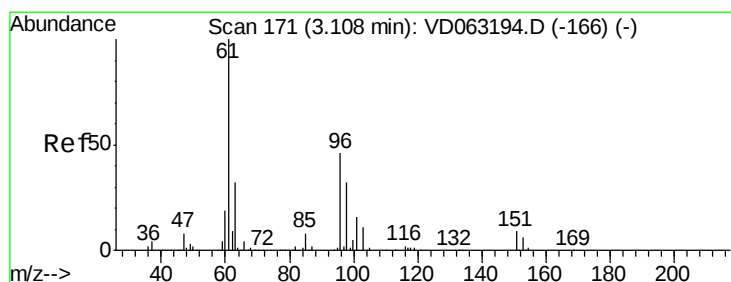
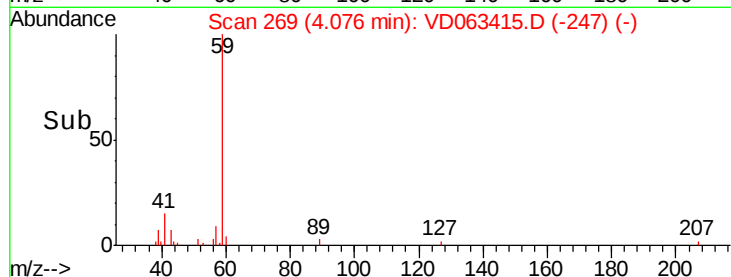
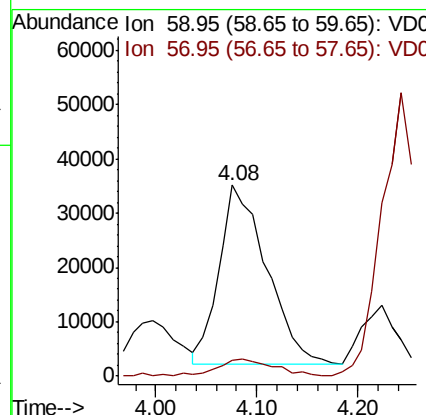
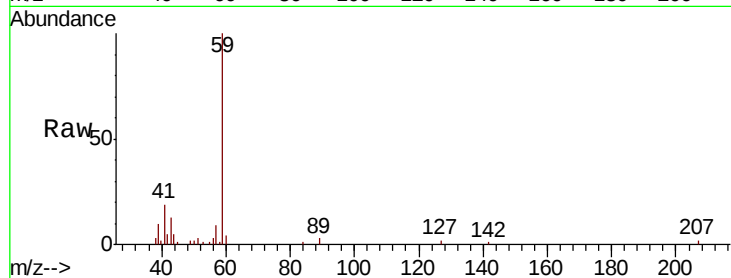


#11

Tert butyl alcohol
 Concen: 218.378 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

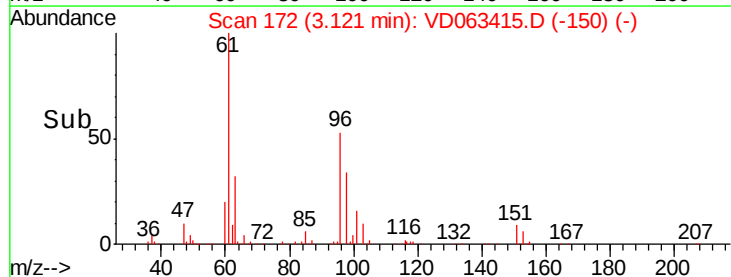
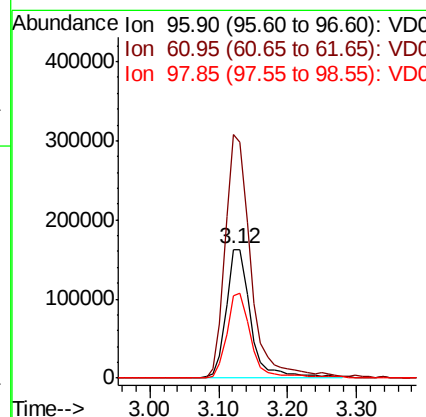
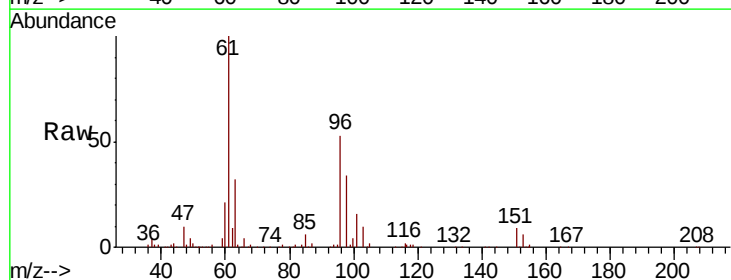
Tgt Ion: 59 Resp: 108718
 Ion Ratio Lower Upper
 59 100
 57 8.6 9.6 14.4#

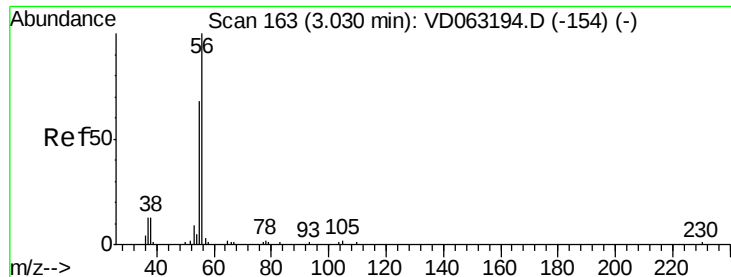


#12

1,1-Dichloroethene
 Concen: 51.067 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion: 96 Resp: 404958
 Ion Ratio Lower Upper
 96 100
 61 188.8 173.7 260.5
 98 63.7 55.8 83.8





#13

Acrolein

Concen: 205.000 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

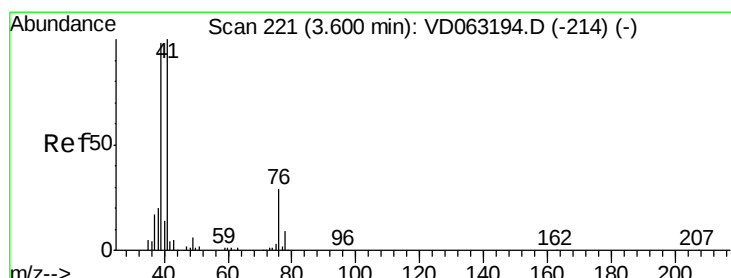
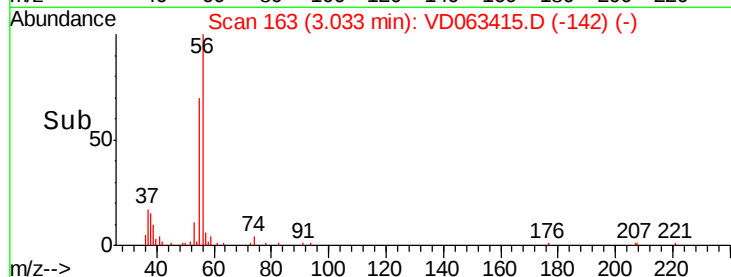
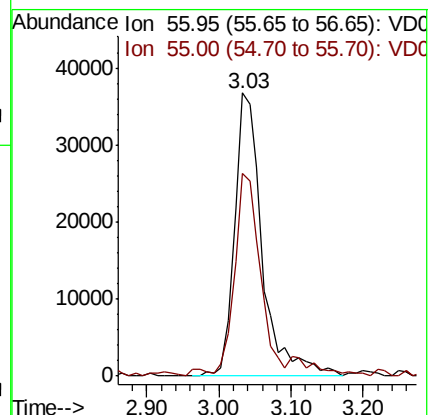
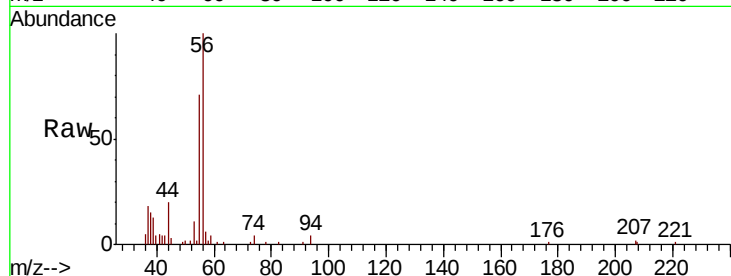
VSTDCCC050

Tgt Ion: 56 Resp: 98221

Ion Ratio Lower Upper

56 100

55 71.4 55.3 82.9



#14

Allyl chloride

Concen: 45.003 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

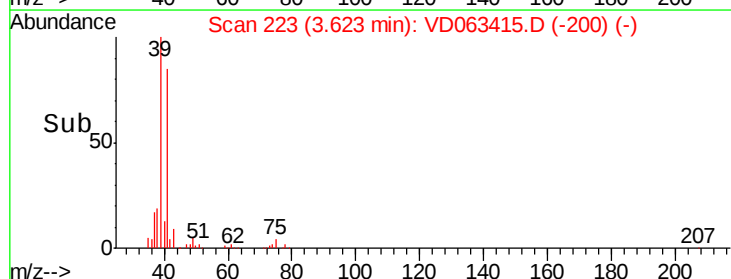
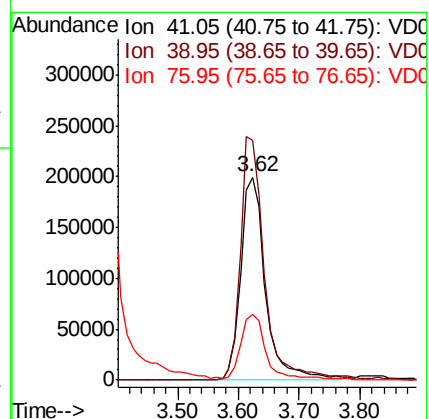
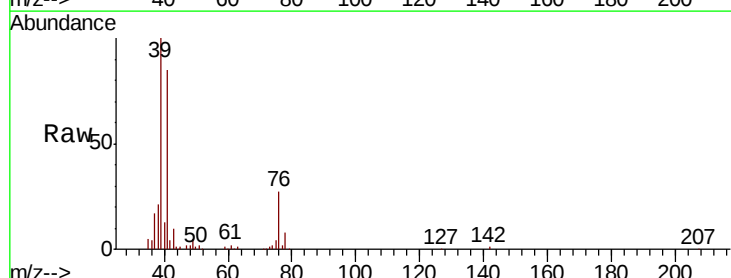
Tgt Ion: 41 Resp: 568513

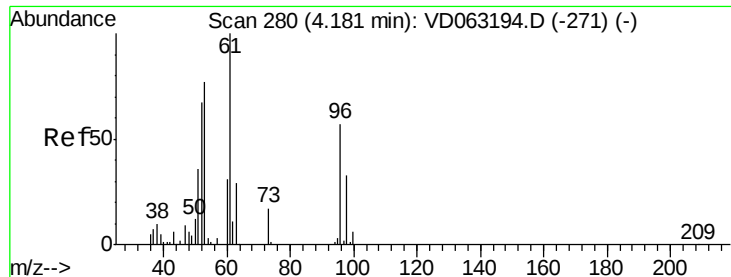
Ion Ratio Lower Upper

41 100

39 117.8 78.6 117.8

76 32.2 24.5 36.7





#15

Acrylonitrile

Concen: 238.678 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

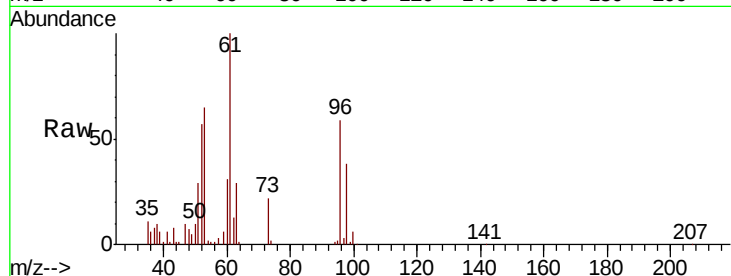
Tgt Ion: 53 Resp: 308062

Ion Ratio Lower Upper

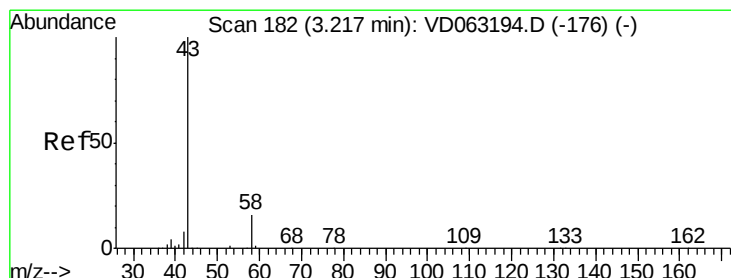
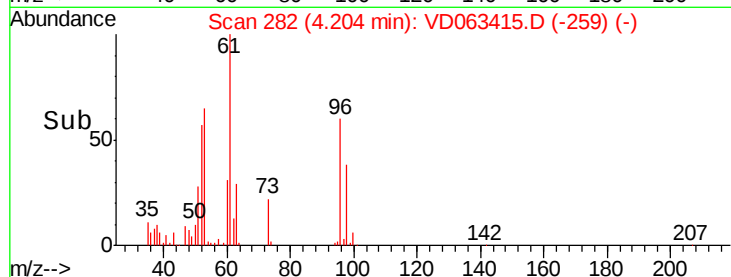
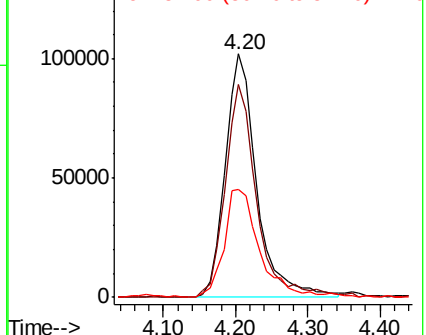
53 100

52 87.3 69.7 104.5

51 44.4 37.4 56.0



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: 296.417 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063415.D

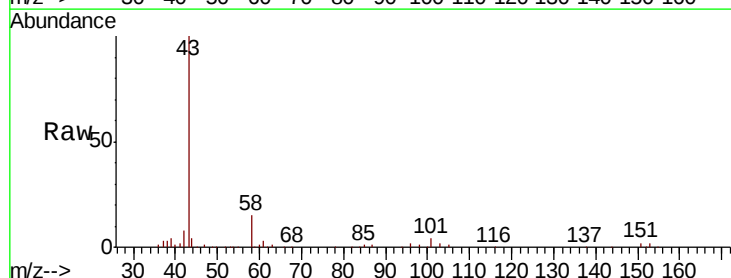
Acq: 7 Aug 2019 10:36

Tgt Ion: 43 Resp: 655175

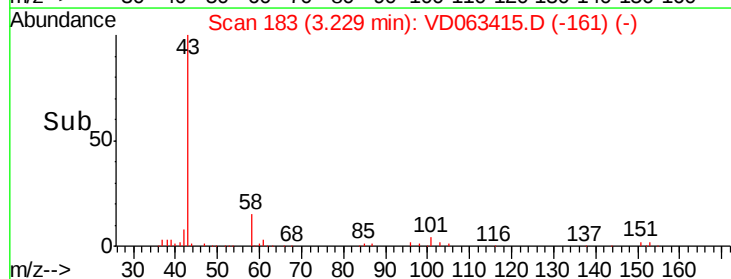
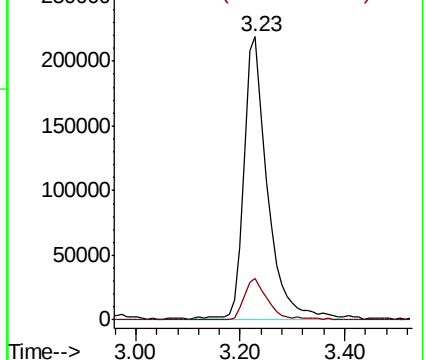
Ion Ratio Lower Upper

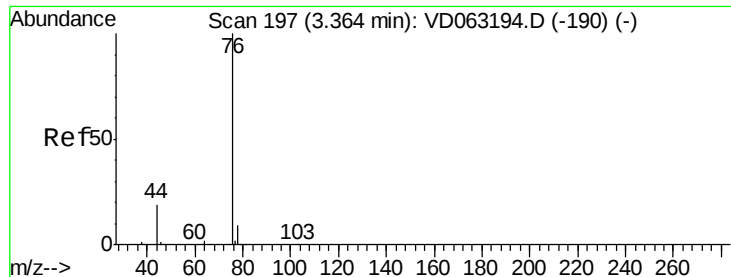
43 100

58 14.6 13.0 19.4



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





#17

Carbon Disulfide

Concen: 42.855 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

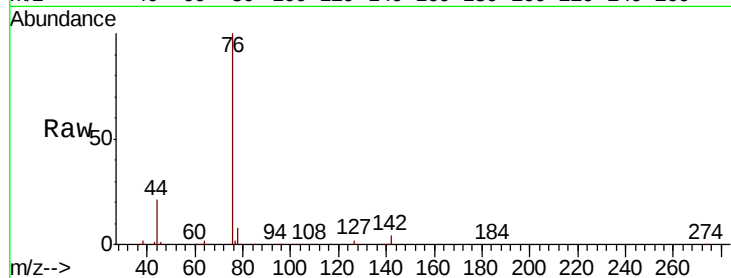
VSTDCCC050

Tgt Ion: 76 Resp: 1137479

Ion Ratio Lower Upper

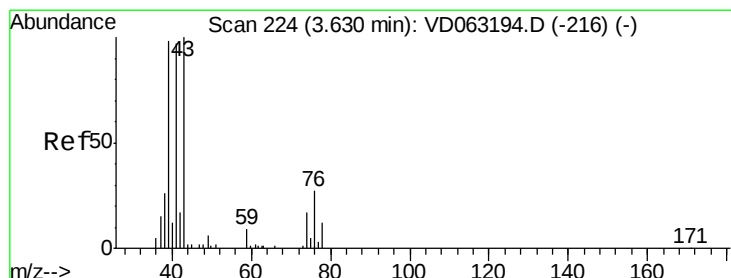
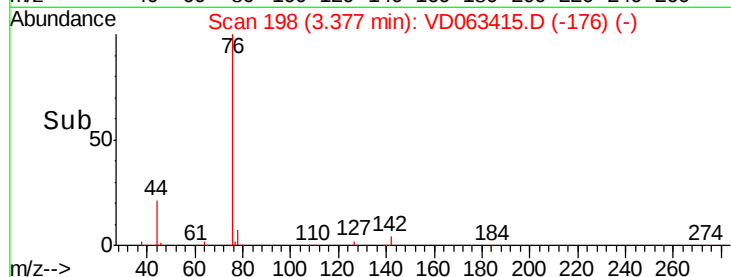
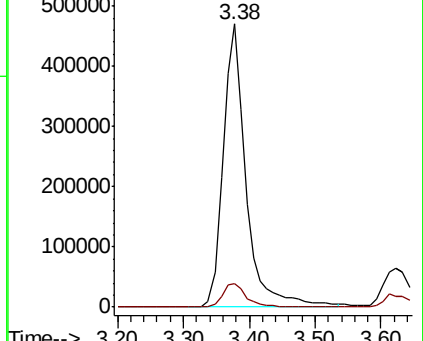
76 100

78 8.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.793 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063415.D

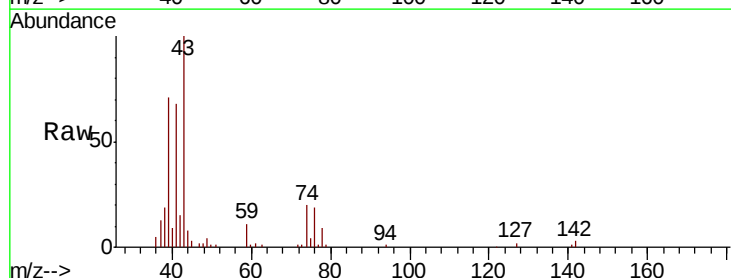
Acq: 7 Aug 2019 10:36

Tgt Ion: 43 Resp: 198668

Ion Ratio Lower Upper

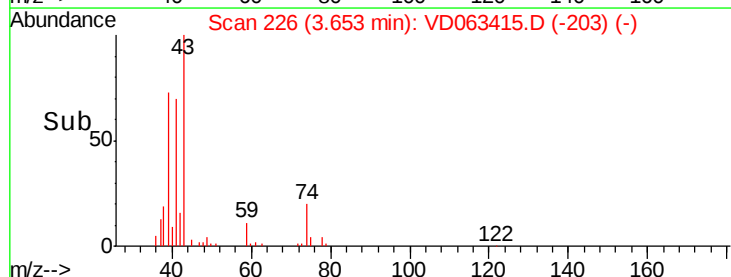
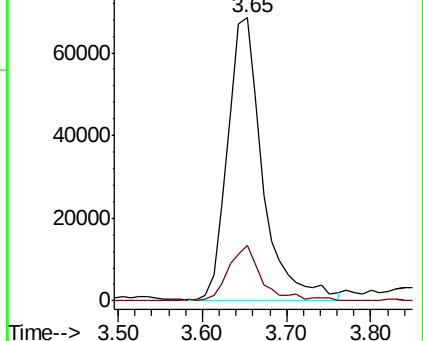
43 100

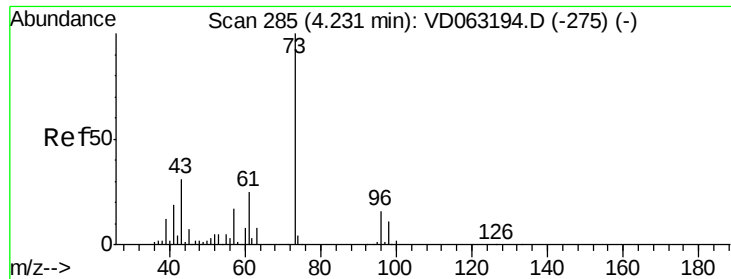
74 19.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

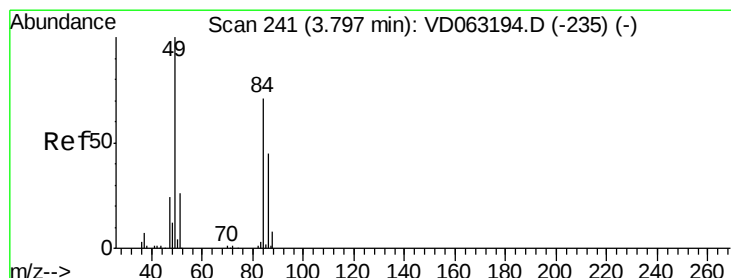
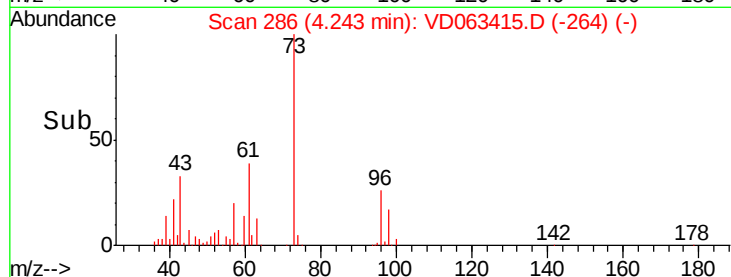
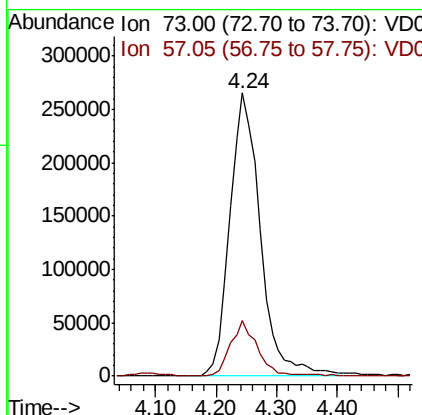
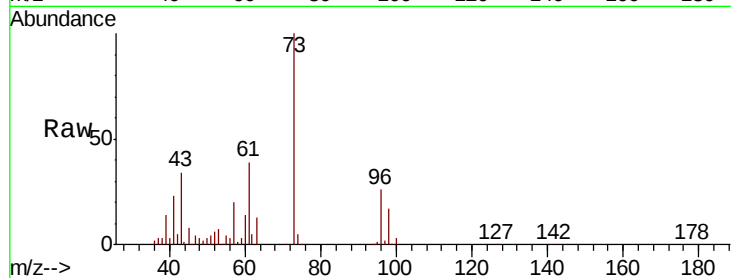




#19
Methyl tert-butyl Ether
Concen: 51.955 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

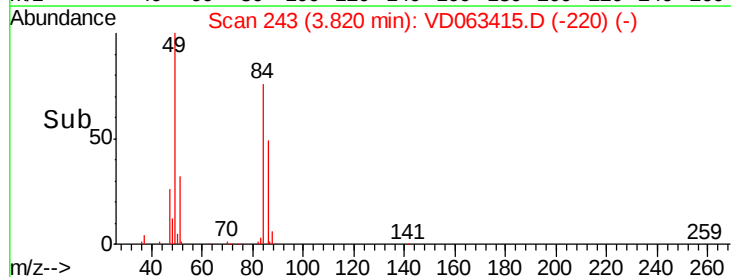
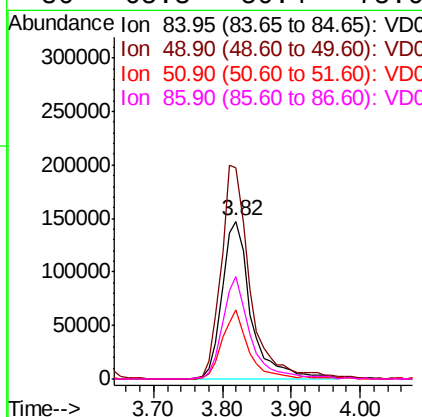
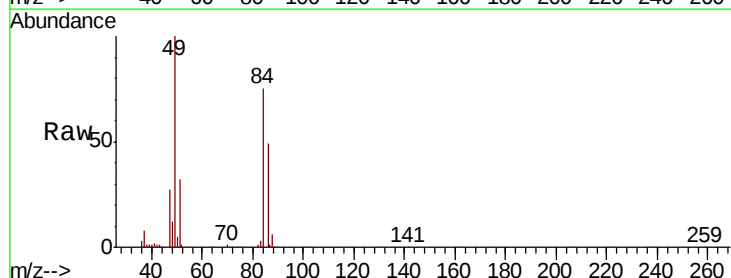
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

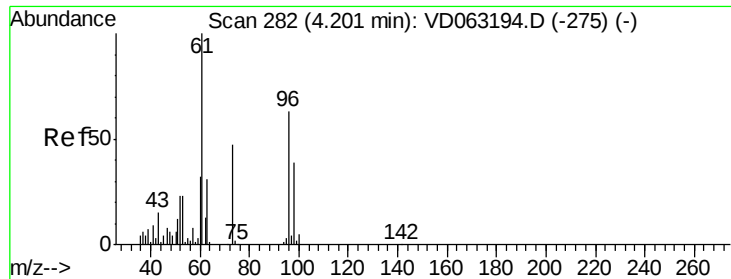
Tgt Ion: 73 Resp: 930653
Ion Ratio Lower Upper
73 100
57 19.6 13.8 20.6



#20
Methylene Chloride
Concen: 47.791 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 84 Resp: 426985
Ion Ratio Lower Upper
84 100
49 134.0 112.5 168.7
51 43.5 29.6 44.4
86 65.3 50.4 75.6

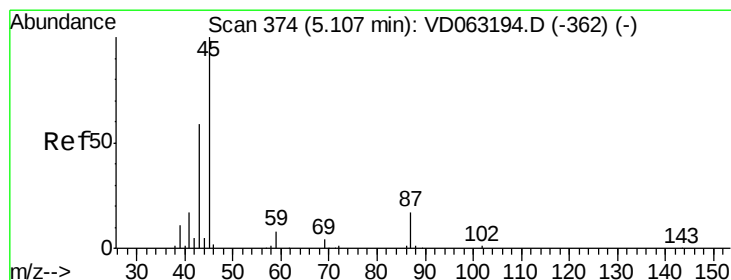
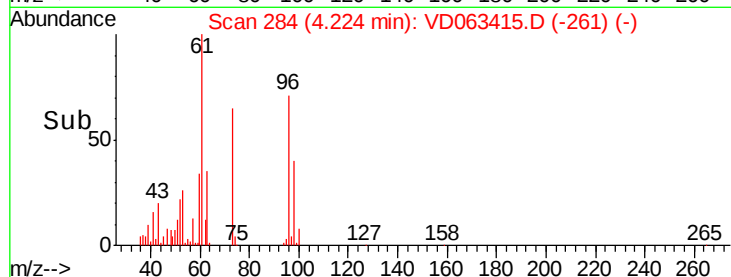
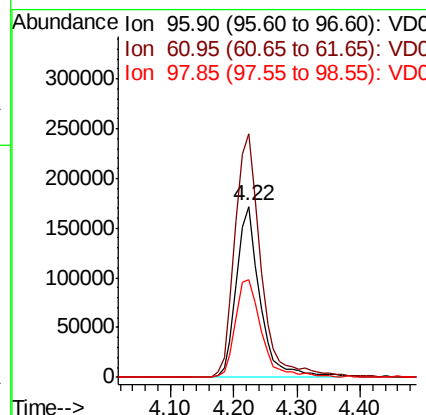
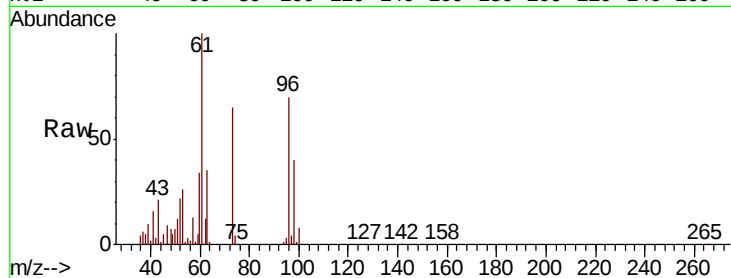




#21
trans-1,2-Dichloroethene
Concen: 49.964 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.02 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

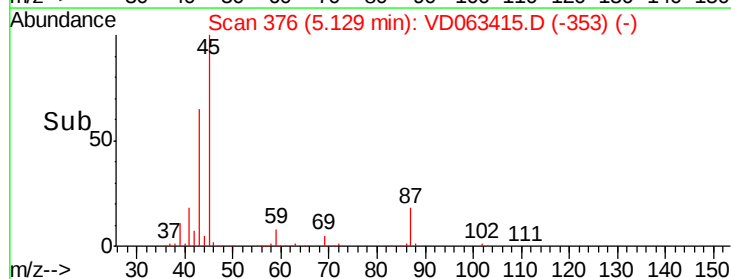
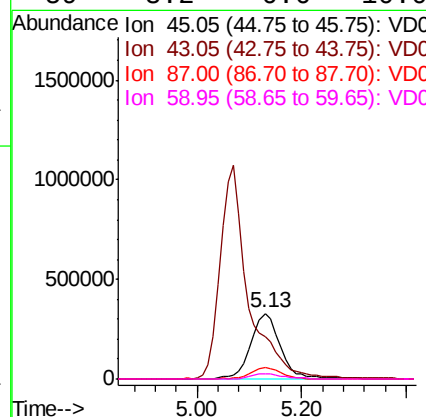
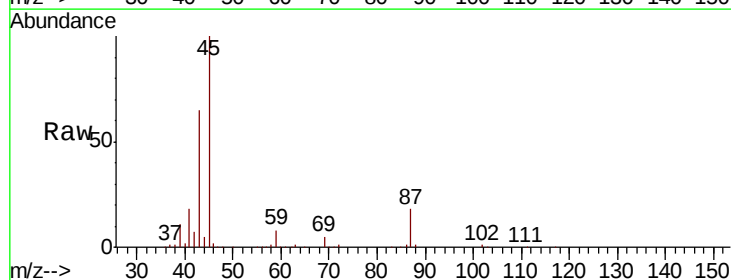
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

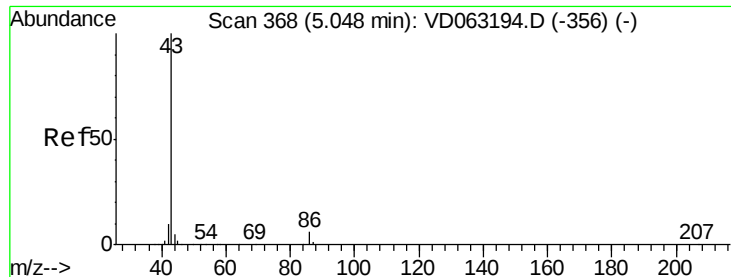
Tgt Ion: 96 Resp: 444566
Ion Ratio Lower Upper
96 100
61 142.2 127.4 191.2
98 57.1 49.3 73.9



#22
Diisopropyl ether
Concen: 49.563 ug/l
RT: 5.13 min Scan# 376
Delta R.T. 0.02 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 45 Resp: 1250918
Ion Ratio Lower Upper
45 100
43 65.2 51.7 77.5
87 17.7 14.6 21.8
59 8.2 6.6 10.0





#23

Vinyl Acetate

Concen: 255.592 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

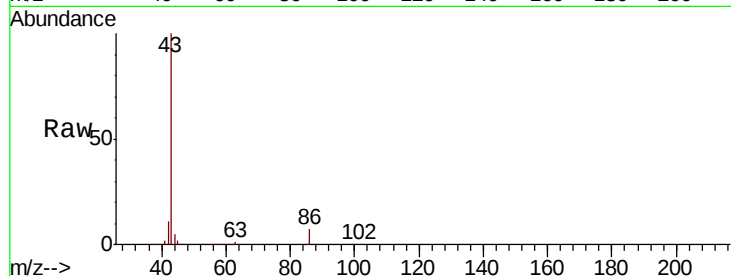
VSTDCCC050

Tgt Ion: 43 Resp: 3965351

Ion Ratio Lower Upper

43 100

86 6.8 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

1200000

1000000

800000

600000

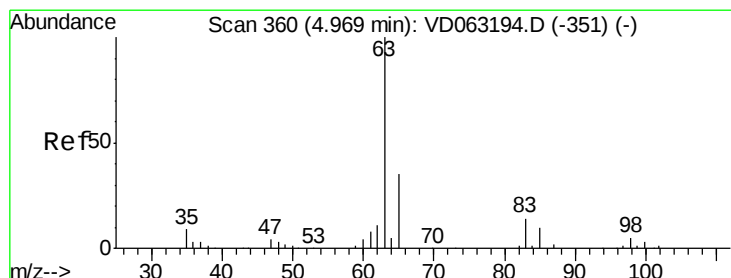
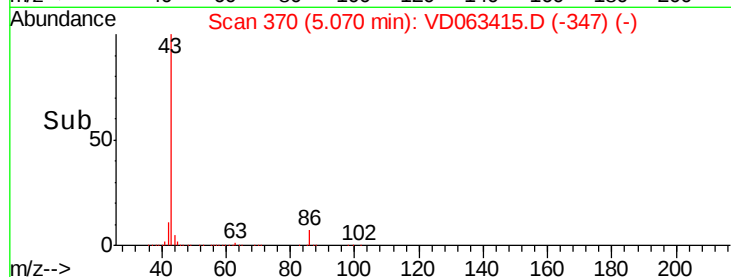
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 49.052 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

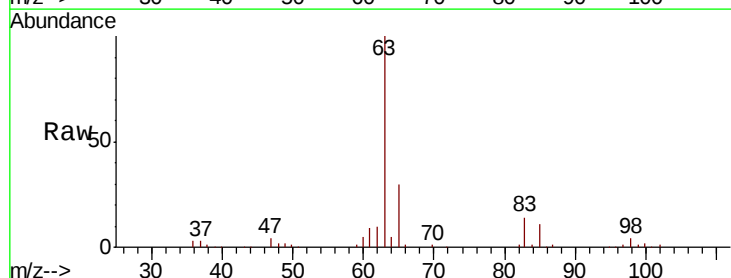
Tgt Ion: 63 Resp: 790779

Ion Ratio Lower Upper

63 100

98 4.0 2.8 8.4

100 2.5 1.3 3.9



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

300000

250000

200000

150000

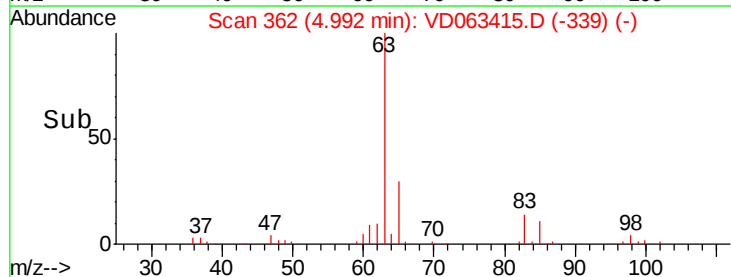
100000

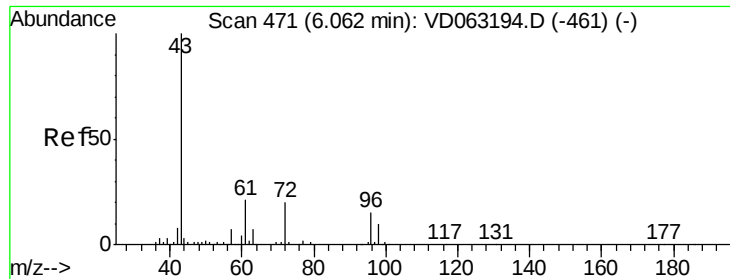
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 270.356 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

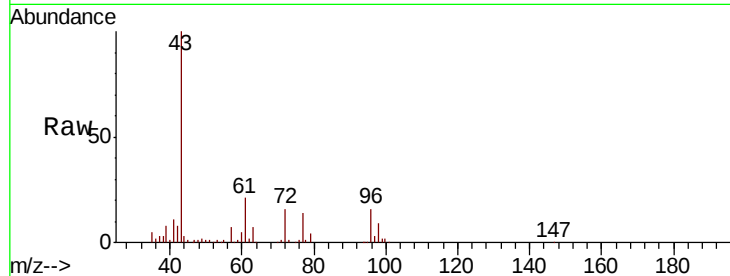
VSTDCCC050

Tgt Ion: 43 Resp: 599715

Ion Ratio Lower Upper

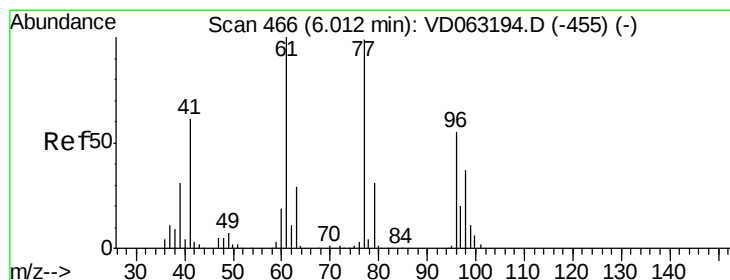
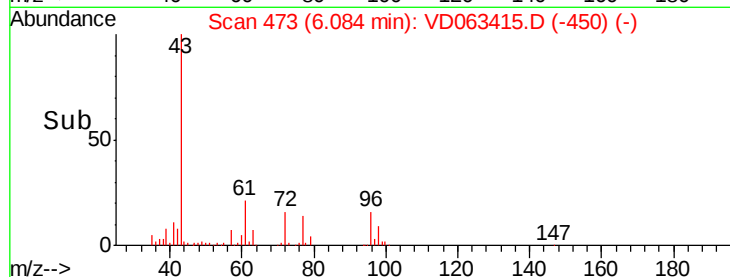
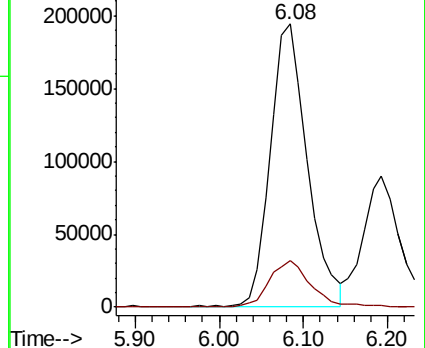
43 100

72 16.3 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.864 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063415.D

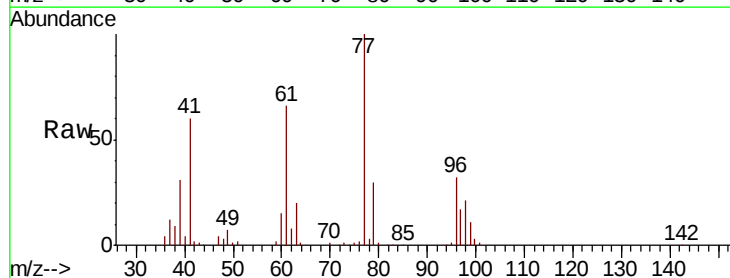
Acq: 7 Aug 2019 10:36

Tgt Ion: 77 Resp: 911500

Ion Ratio Lower Upper

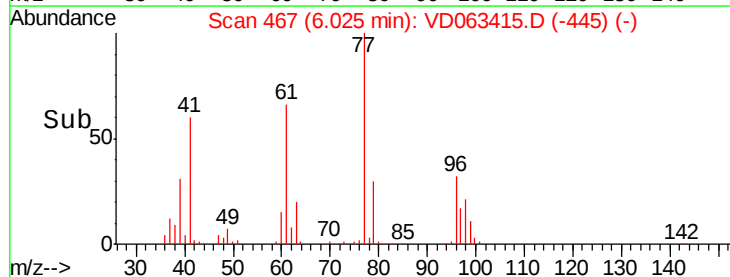
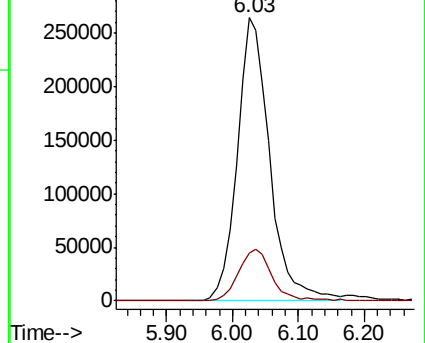
77 100

97 16.8 10.2 30.6



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: 51.249 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

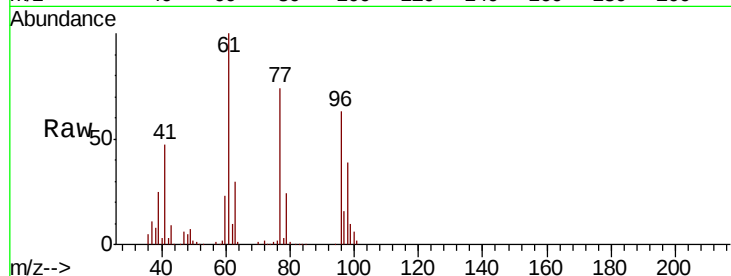
Tgt Ion: 96 Resp: 488901

Ion Ratio Lower Upper

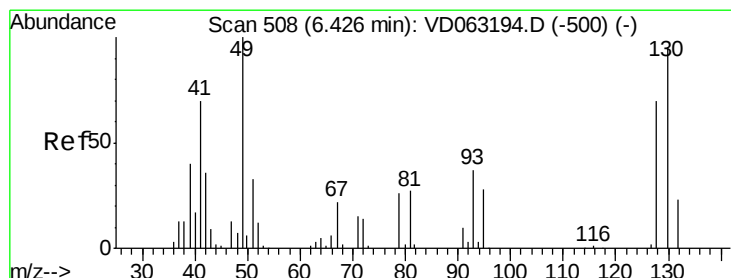
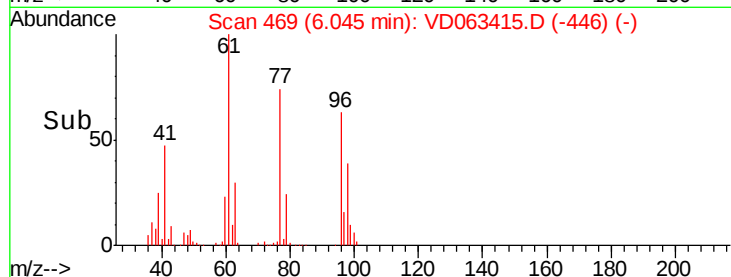
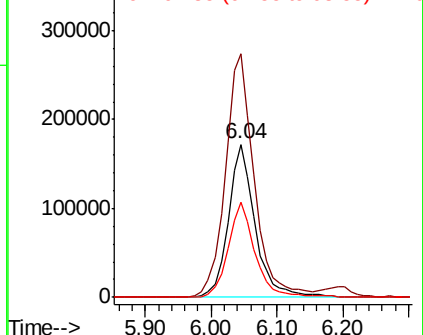
96 100

61 159.2 0.0 337.2

98 62.5 0.0 130.6



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: 52.342 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

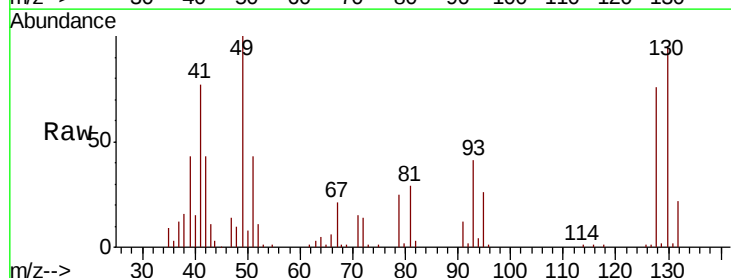
Tgt Ion: 49 Resp: 336203

Ion Ratio Lower Upper

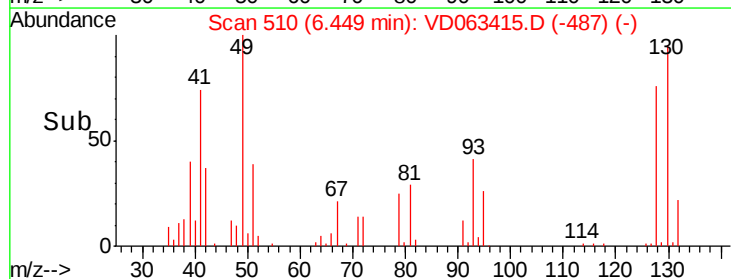
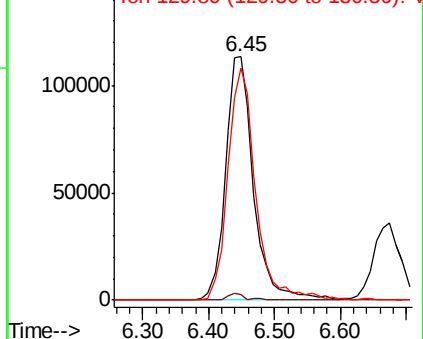
49 100

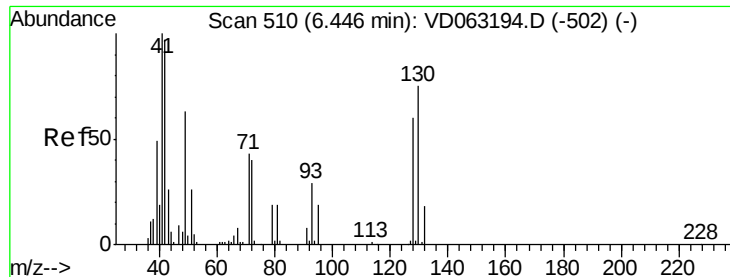
129 2.3 0.0 0.0#

130 95.1 75.7 113.5



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: 239.004 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

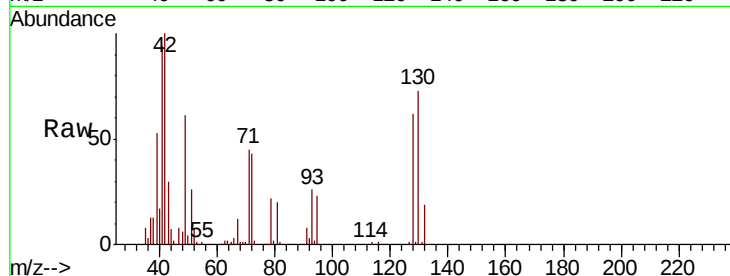
Tgt Ion: 42 Resp: 251008

Ion Ratio Lower Upper

42 100

72 43.4 33.4 50.2

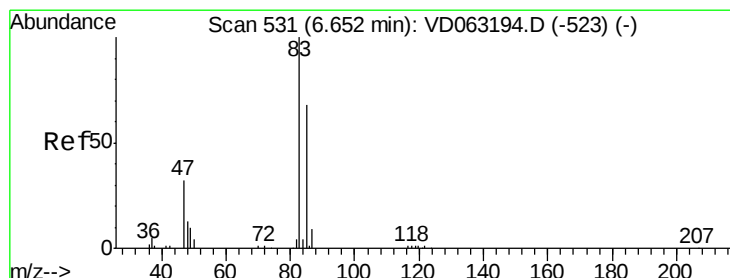
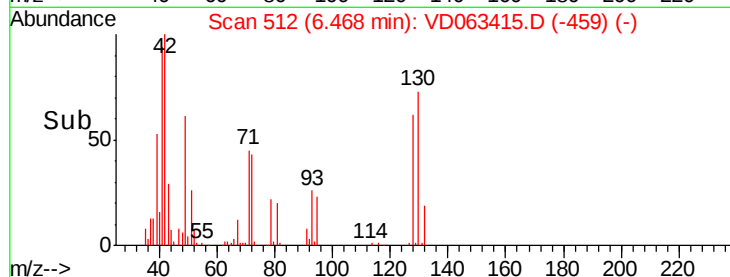
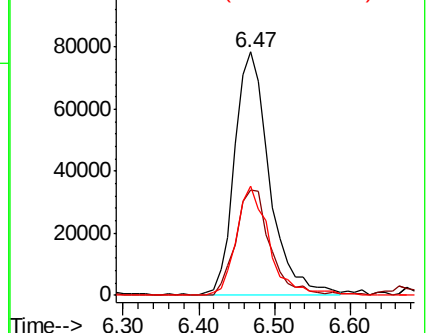
71 42.4 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.920 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.02 min

Lab File: VD063415.D

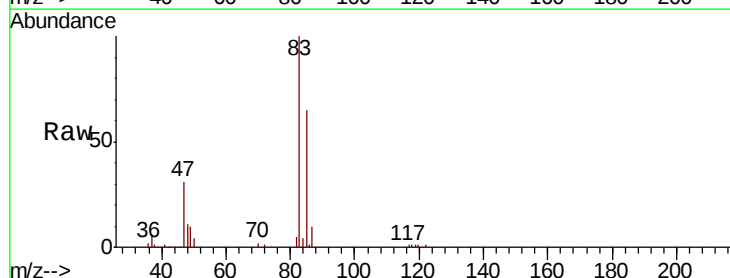
Acq: 7 Aug 2019 10:36

Tgt Ion: 83 Resp: 1018752

Ion Ratio Lower Upper

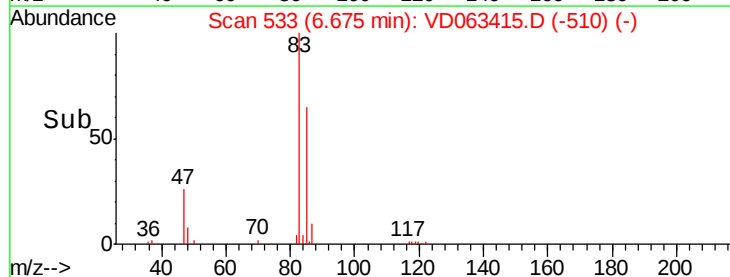
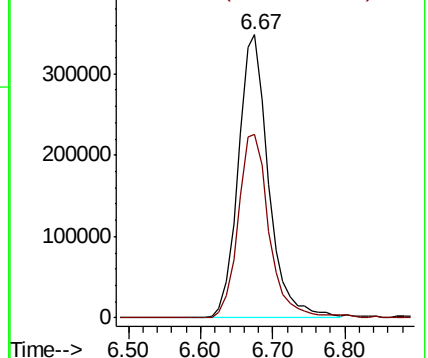
83 100

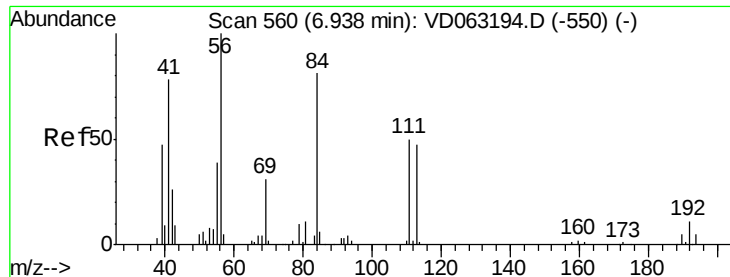
85 64.8 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

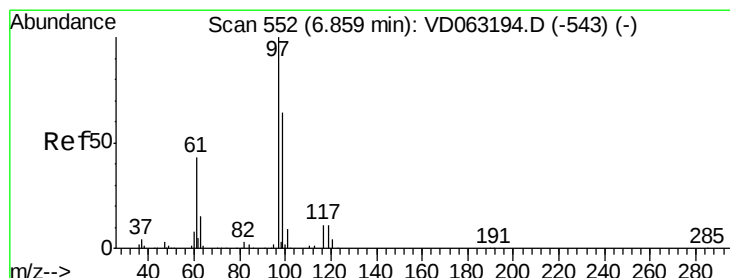
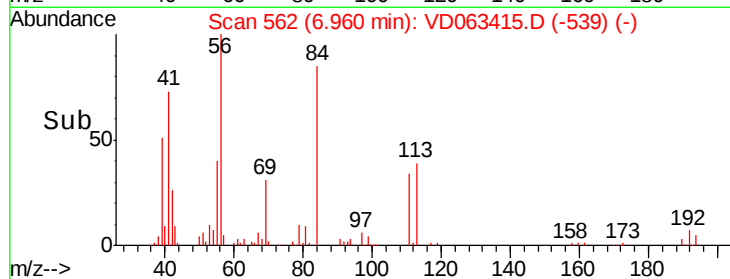
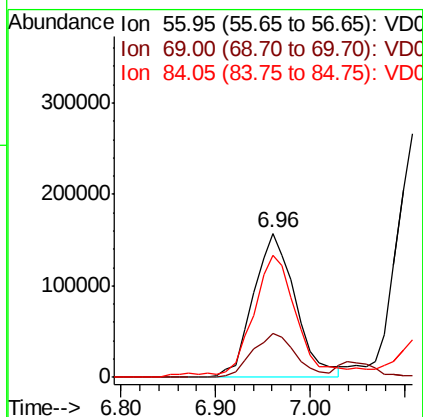
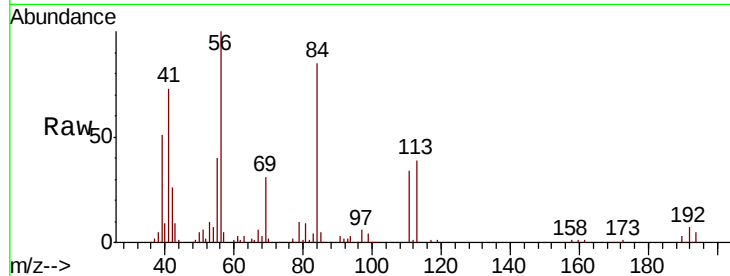




#31
Cyclohexane
Concen: 48.128 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

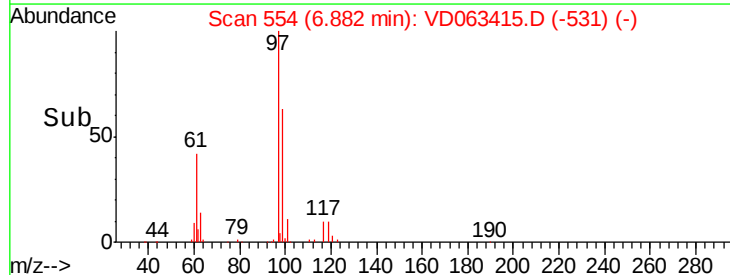
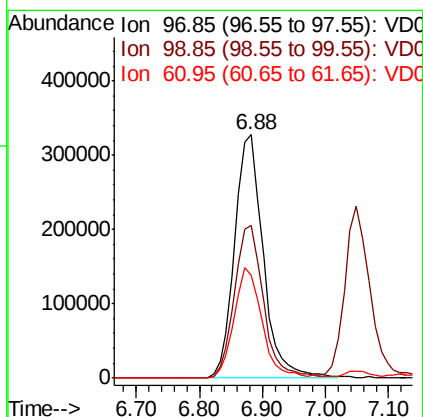
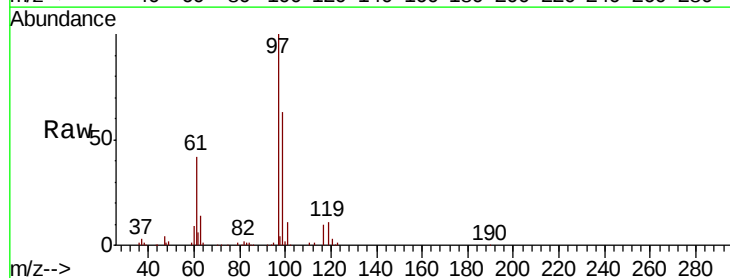
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

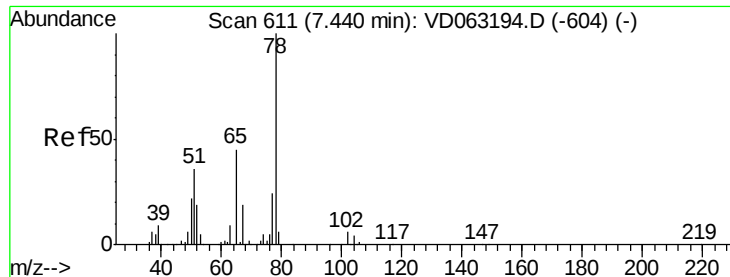
Tgt Ion: 56 Resp: 486335
Ion Ratio Lower Upper
56 100
69 30.7 24.5 36.7
84 85.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 53.213 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.02 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 97 Resp: 1029777
Ion Ratio Lower Upper
97 100
99 63.0 51.2 76.8
61 42.2 34.2 51.2

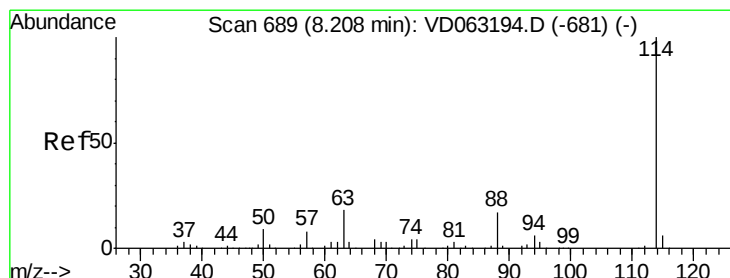
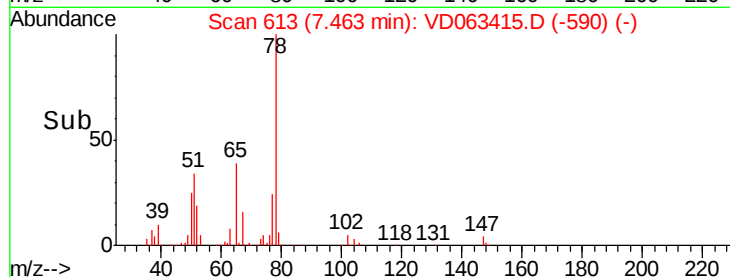
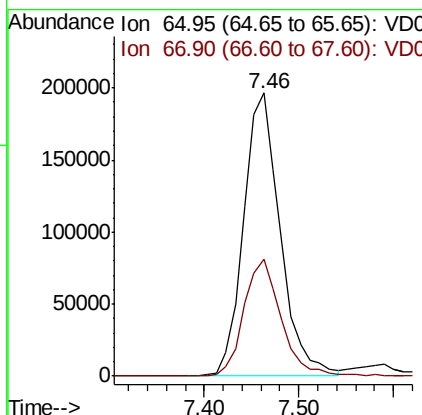
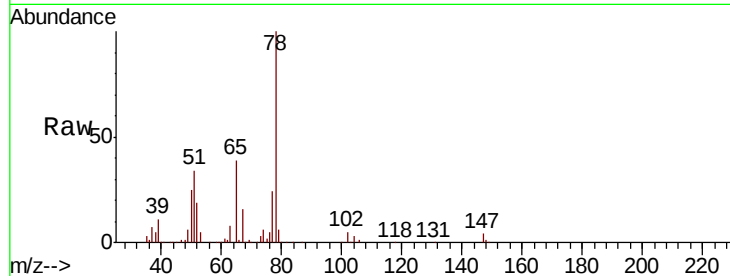




#33
 1,2-Dichloroethane-d4
 Concen: 46.524 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

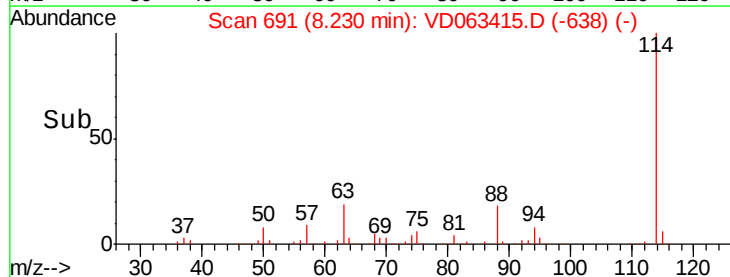
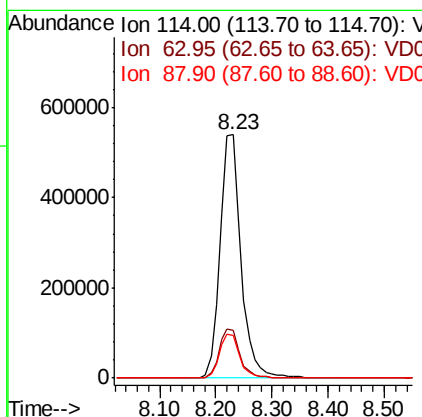
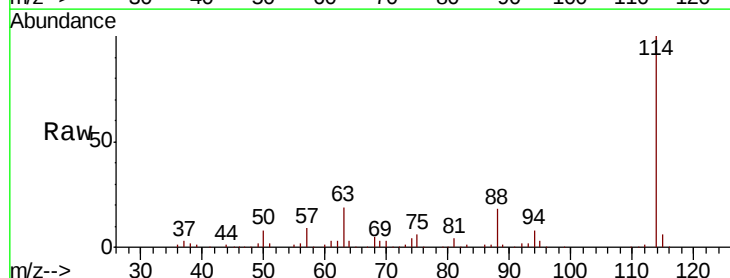
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

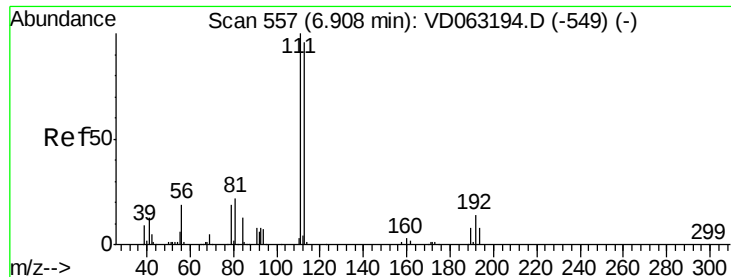
Tgt Ion: 65 Resp: 527788
 Ion Ratio Lower Upper
 65 100
 67 41.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion: 114 Resp: 1407686
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 35.2
 88 17.8 0.0 34.6





#35

Dibromofluoromethane

Concen: 45.686 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

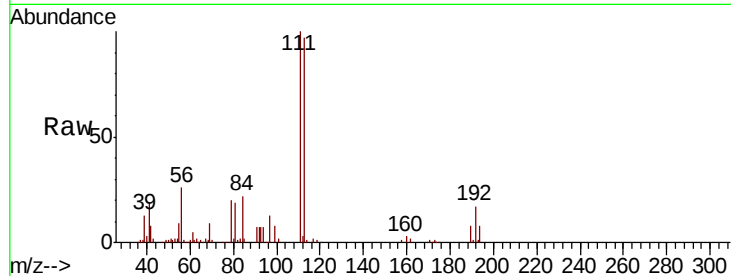
Tgt Ion:113 Resp: 549079

Ion Ratio Lower Upper

113 100

111 103.4 83.2 124.8

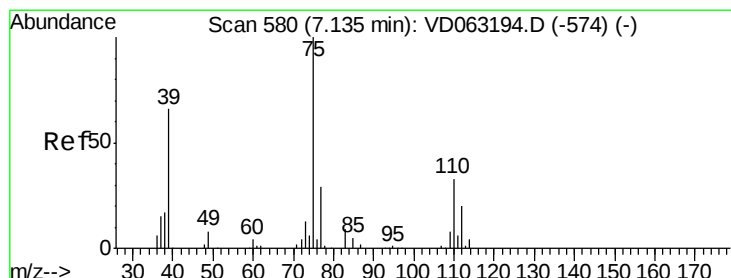
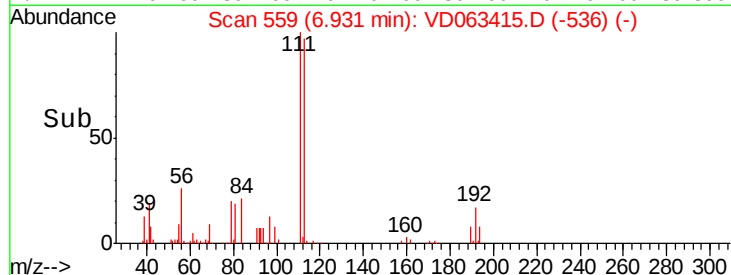
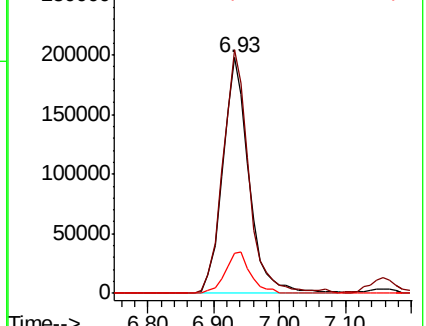
192 17.1 11.8 17.8



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: 49.314 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

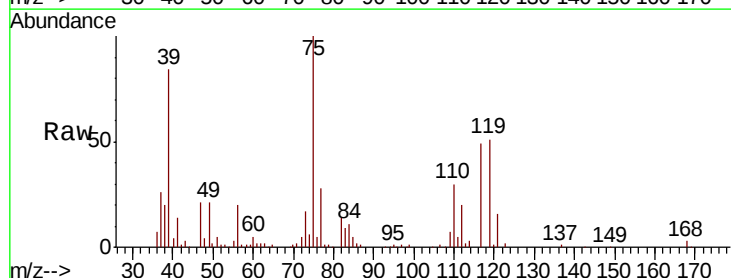
Tgt Ion: 75 Resp: 633535

Ion Ratio Lower Upper

75 100

110 29.8 16.1 48.2

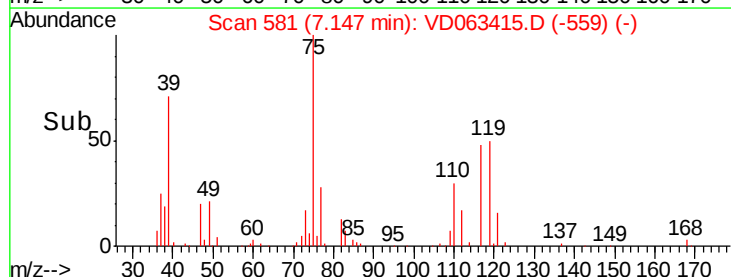
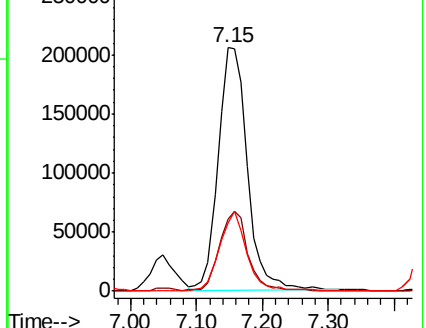
77 28.3 22.7 34.1

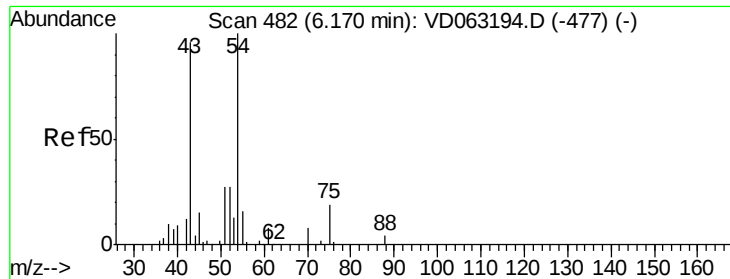


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

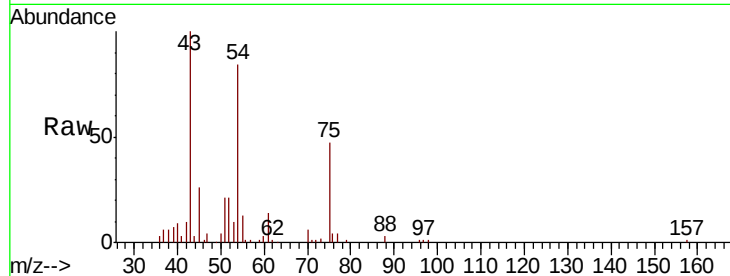




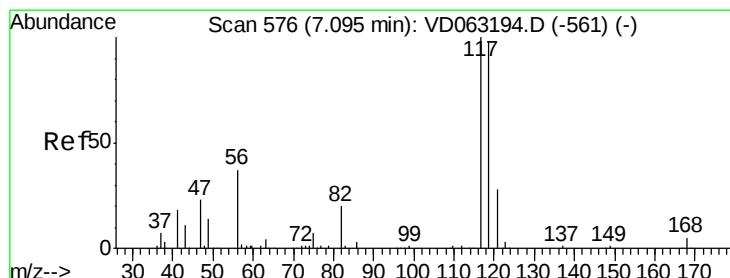
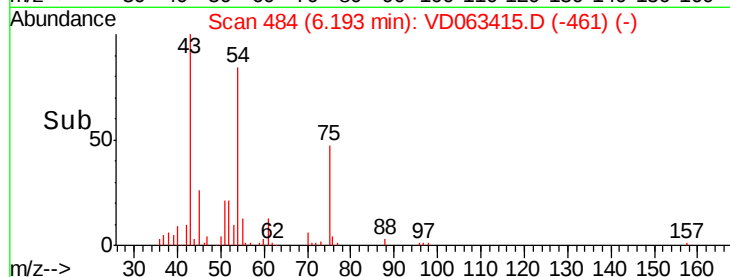
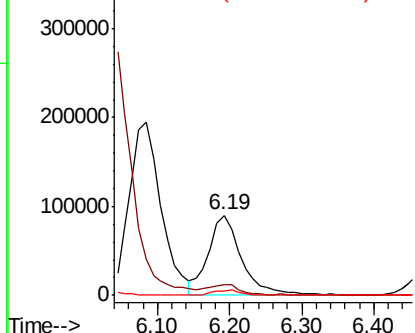
#37
Ethyl Acetate
Concen: 48.592 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 280456
Ion Ratio Lower Upper
43 100
61 13.6 11.3 16.9
70 5.6 5.1 7.7

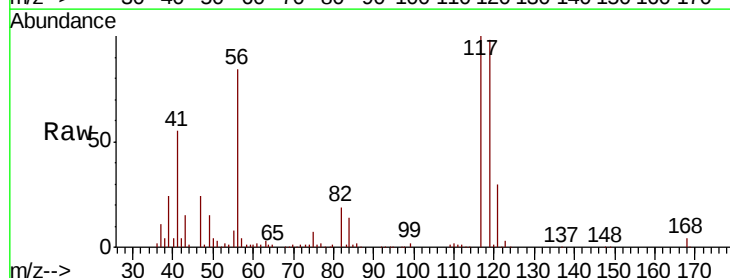


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

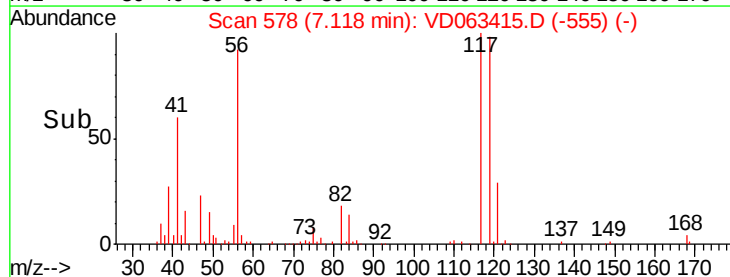
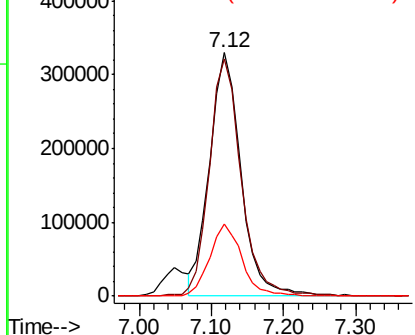


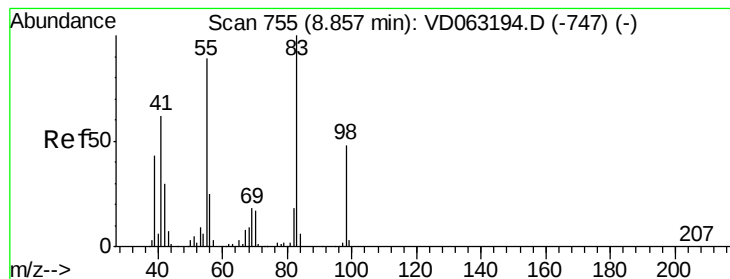
#38
Carbon Tetrachloride
Concen: 50.976 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 117 Resp: 985900
Ion Ratio Lower Upper
117 100
119 97.5 78.2 117.2
121 29.8 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 46.722 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

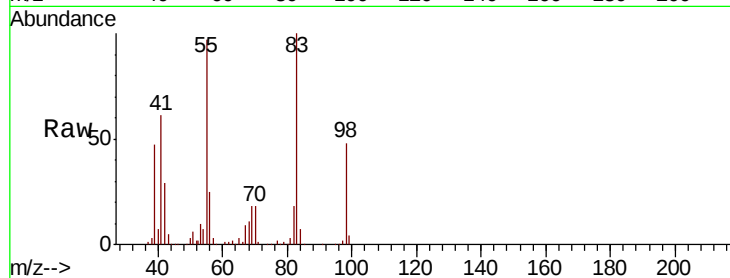
Tgt Ion: 83 Resp: 500093

Ion Ratio Lower Upper

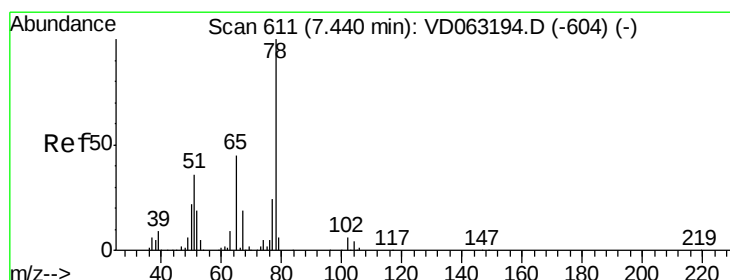
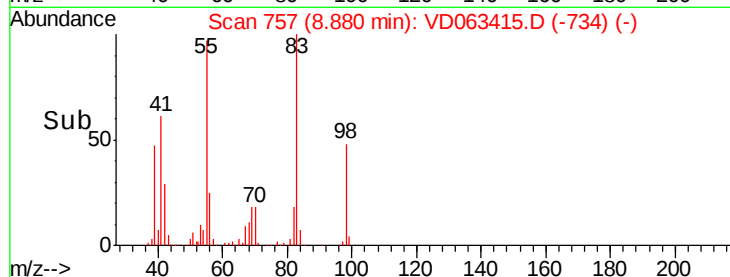
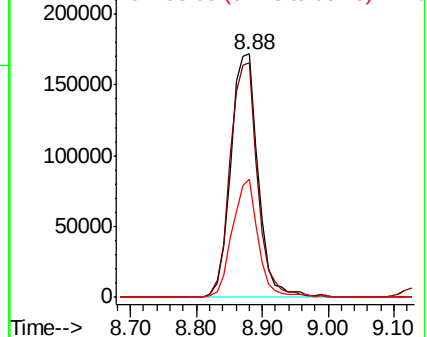
83 100

55 96.5 71.1 106.7

98 48.4 38.5 57.7



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.231 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063415.D

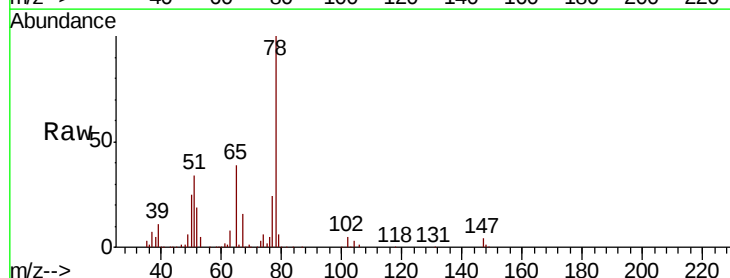
Acq: 7 Aug 2019 10:36

Tgt Ion: 78 Resp: 1406310

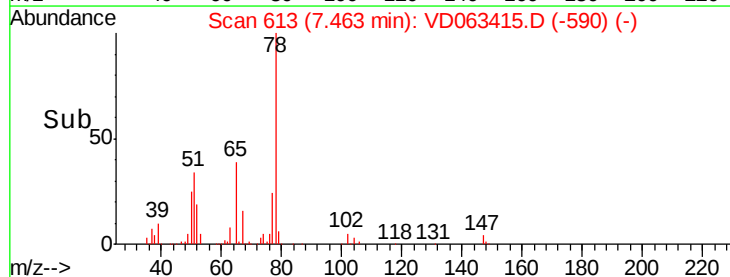
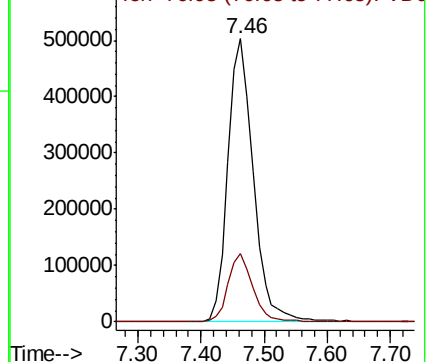
Ion Ratio Lower Upper

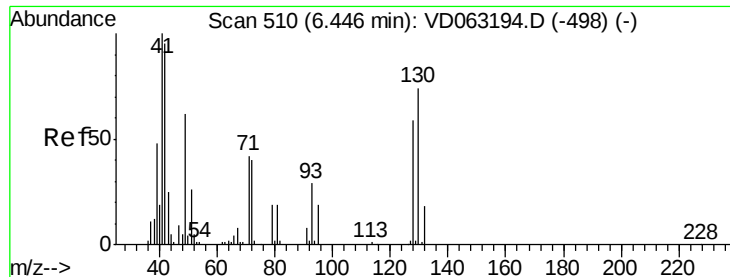
78 100

77 24.0 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 49.958 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 344908

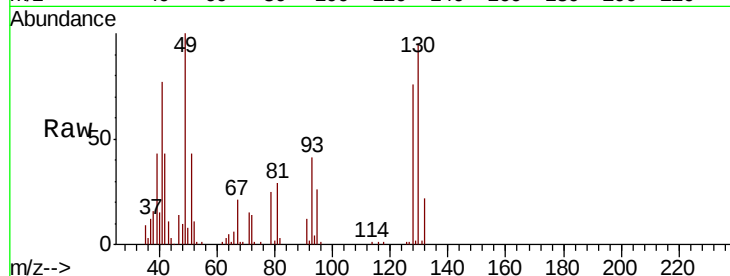
Ion Ratio Lower Upper

41 100

39 55.9 38.4 57.6

67 27.9 6.7 10.1#

52 14.4 4.3 6.5#

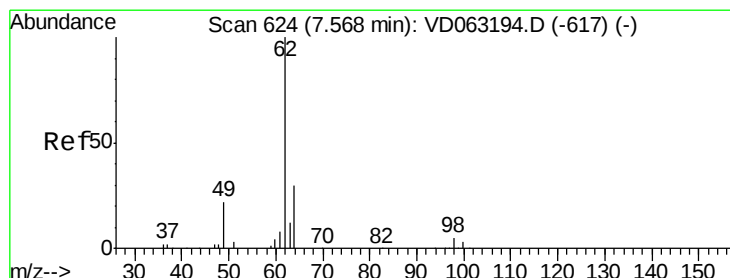
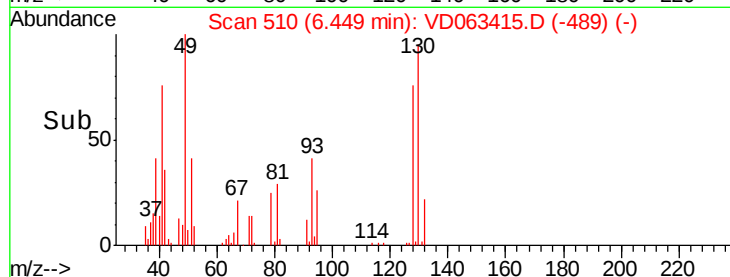
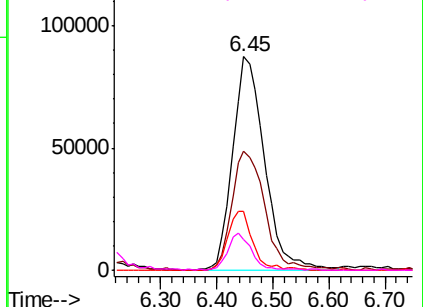


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 54.158 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD063415.D

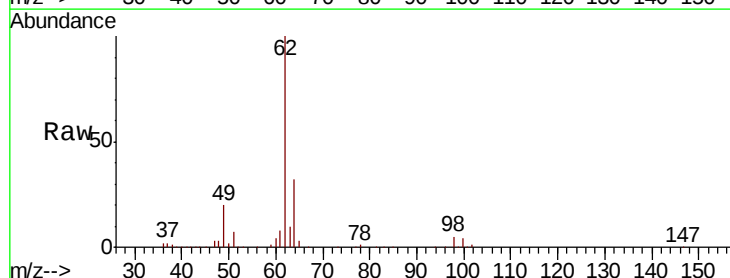
Acq: 7 Aug 2019 10:36

Tgt Ion: 62 Resp: 772803

Ion Ratio Lower Upper

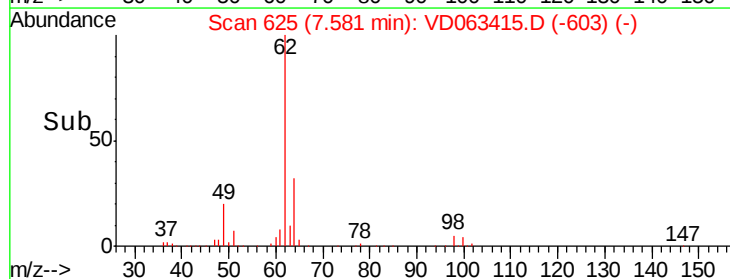
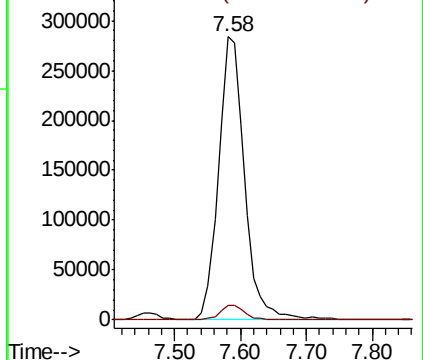
62 100

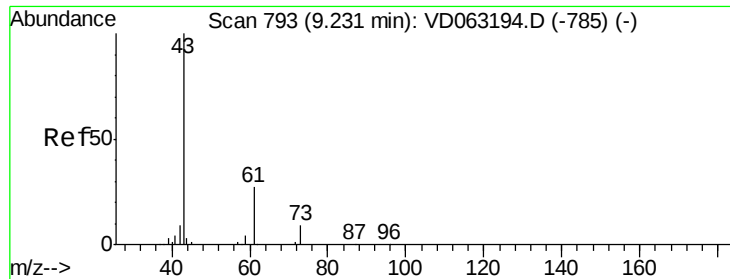
98 5.0 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

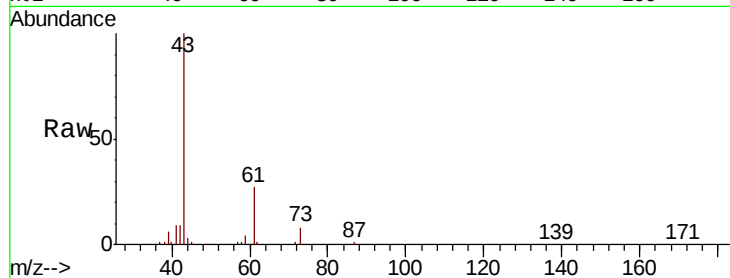




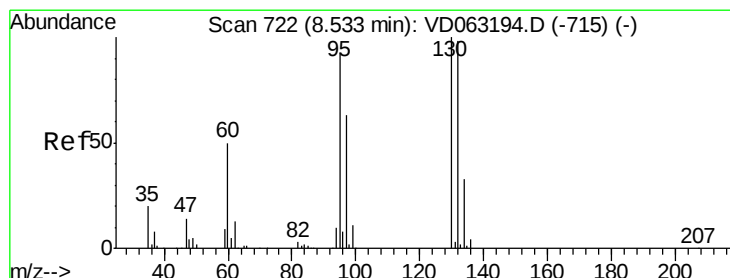
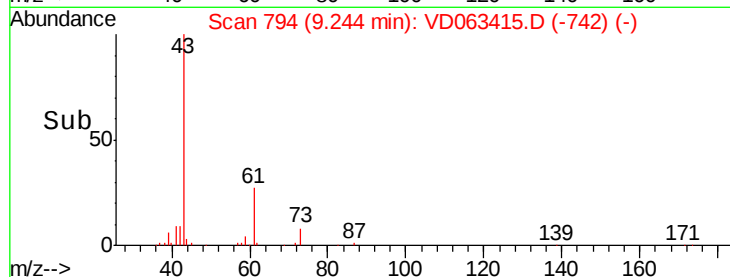
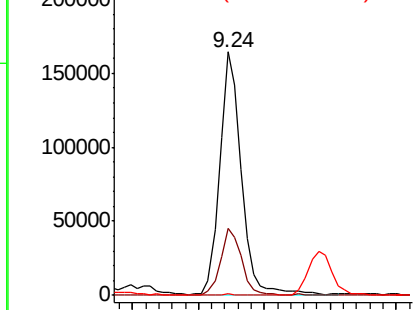
#43
Isopropyl Acetate
Concen: 50.634 ug/l
RT: 9.24 min Scan# 794
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 373307
Ion Ratio Lower Upper
43 100
61 27.3 21.4 32.0
87 0.6 0.2 0.4#

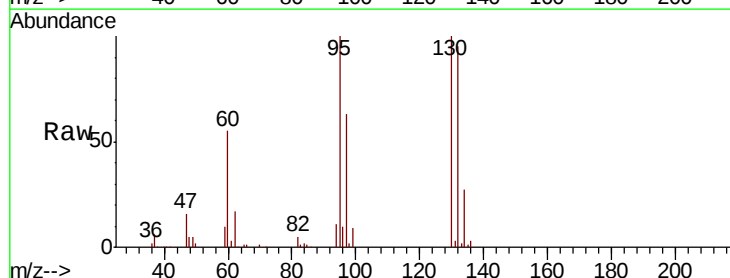


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

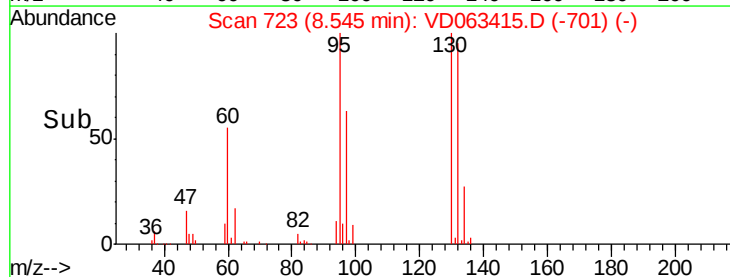
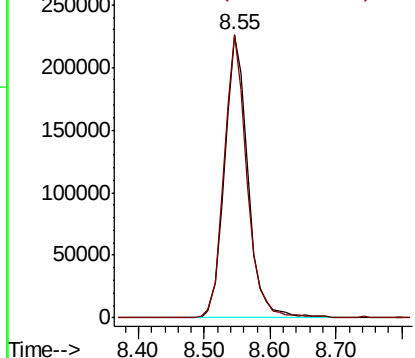


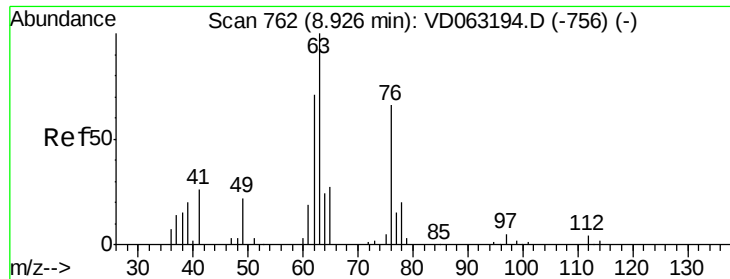
#44
Trichloroethene
Concen: 51.014 ug/l
RT: 8.55 min Scan# 723
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 130 Resp: 556571
Ion Ratio Lower Upper
130 100
95 100.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.800 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

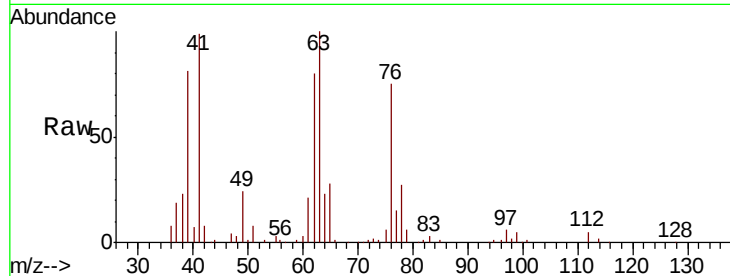
VSTDCCC050

Tgt Ion: 63 Resp: 340810

Ion Ratio Lower Upper

63 100

65 28.5 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

150000

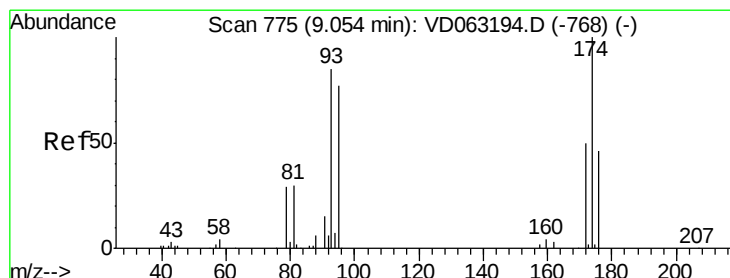
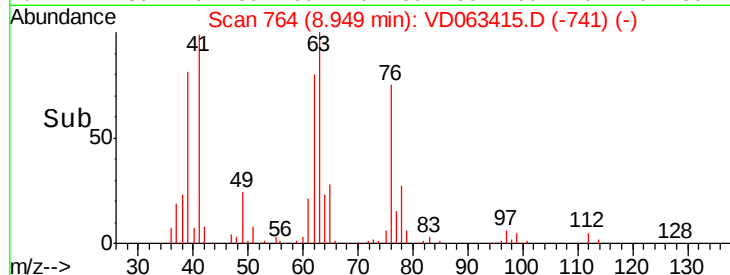
100000

50000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 52.185 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

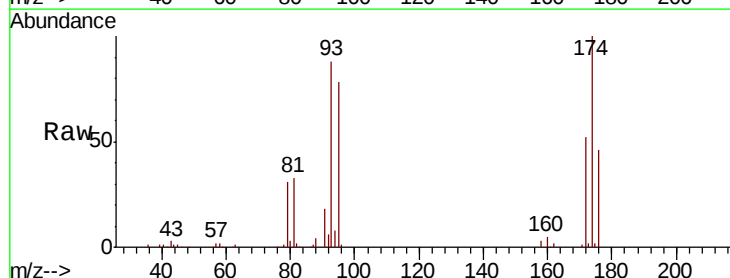
Tgt Ion: 93 Resp: 296951

Ion Ratio Lower Upper

93 100

95 88.1 72.8 109.2

174 113.5 94.4 141.6



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

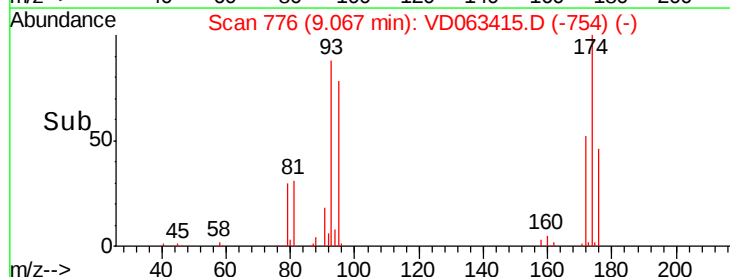
100000

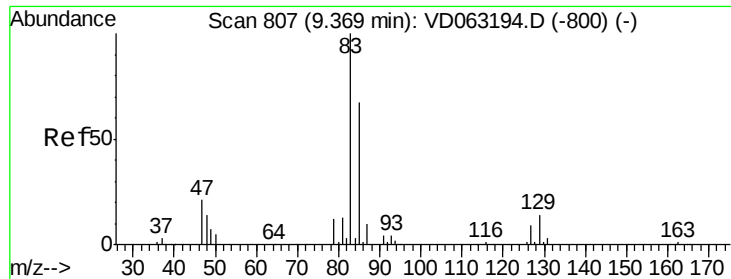
50000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 53.890 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

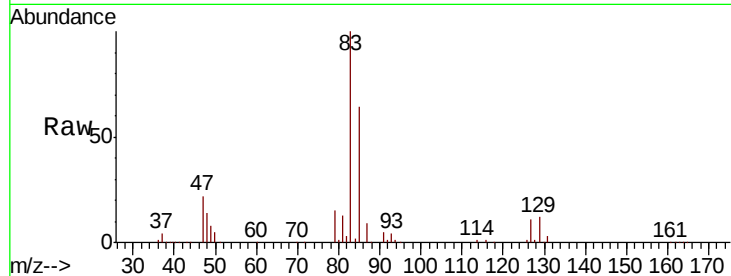
Tgt Ion: 83 Resp: 781692

Ion Ratio Lower Upper

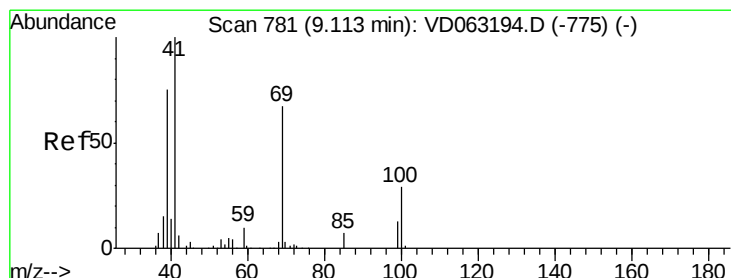
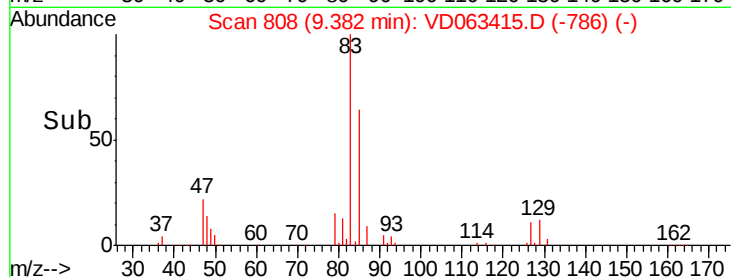
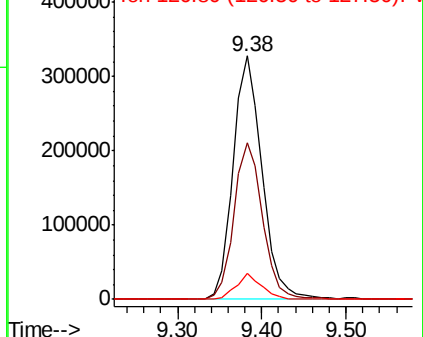
83 100

85 64.4 53.6 80.4

127 10.7 7.2 10.8



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: 54.551 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

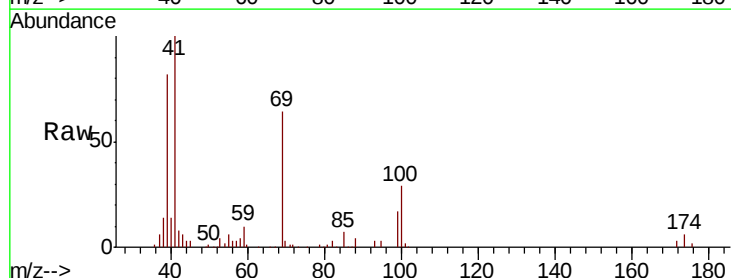
Tgt Ion: 41 Resp: 260841

Ion Ratio Lower Upper

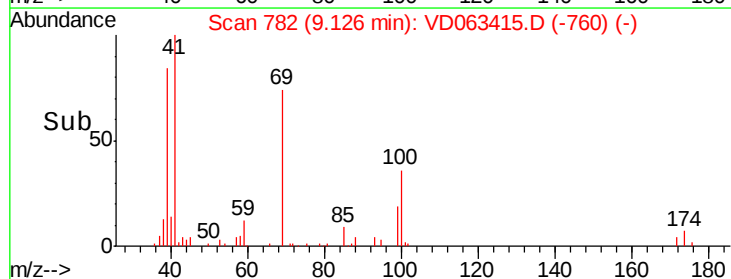
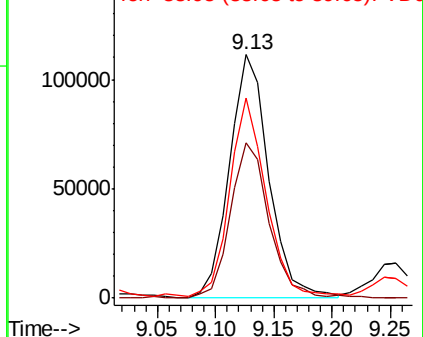
41 100

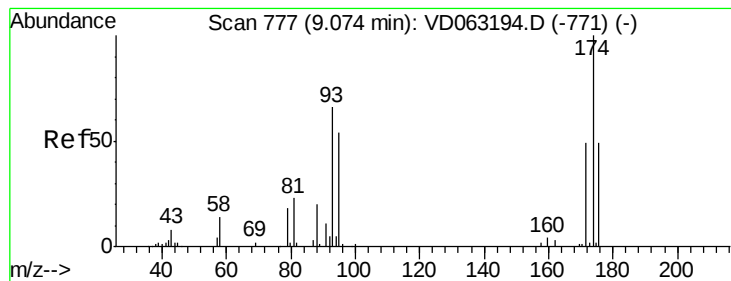
69 64.0 53.4 80.0

39 82.2 60.3 90.5



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: 1069.797 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

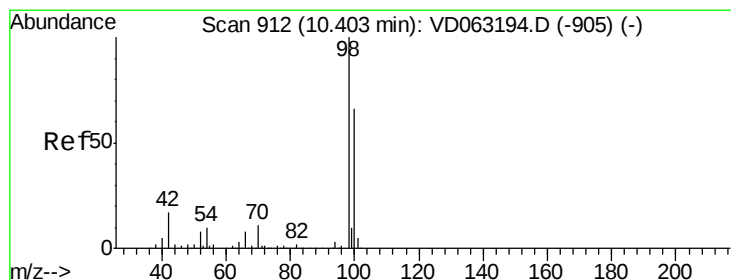
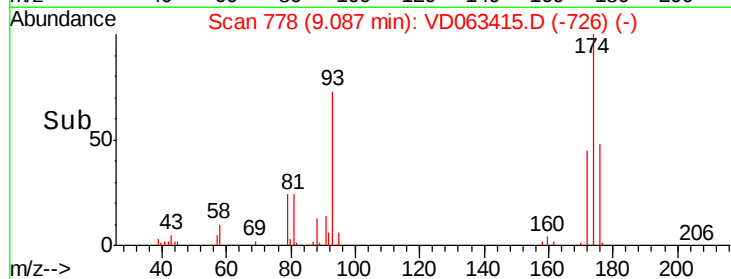
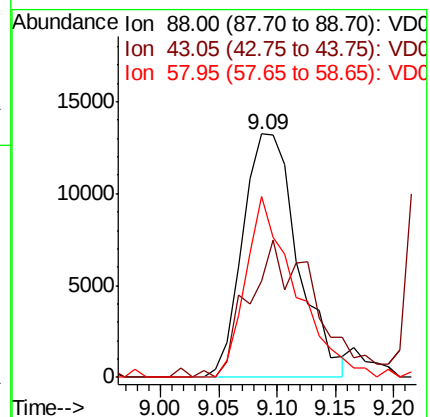
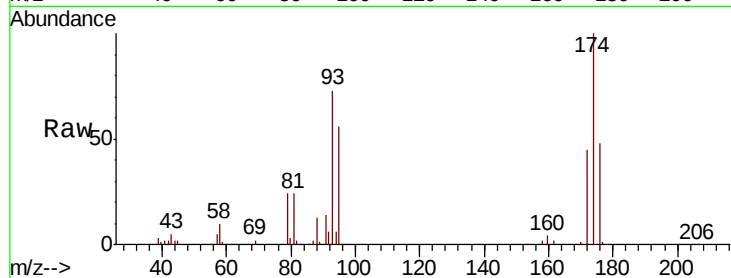
Tgt Ion: 88 Resp: 43321

Ion Ratio Lower Upper

88 100

43 39.8 30.7 46.1

58 74.2 56.5 84.7



#50

Toluene-d8

Concen: 44.731 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063415.D

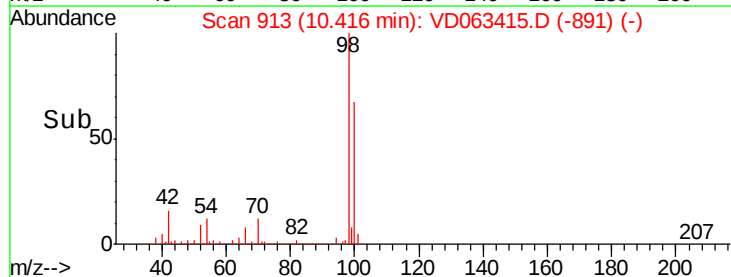
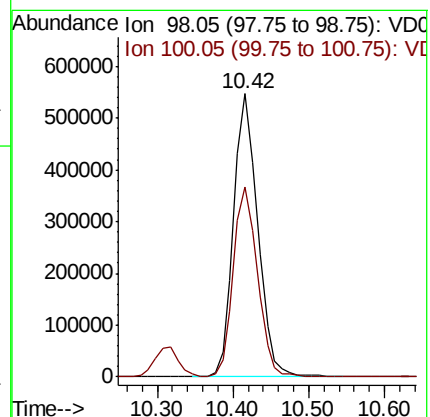
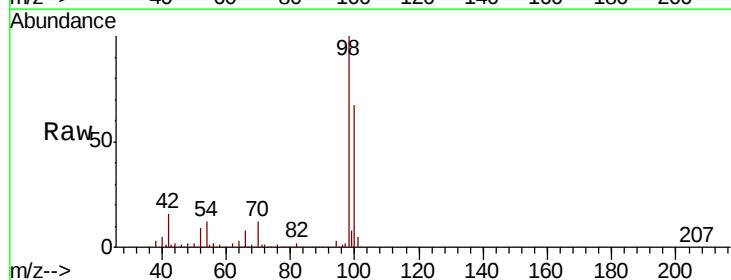
Acq: 7 Aug 2019 10:36

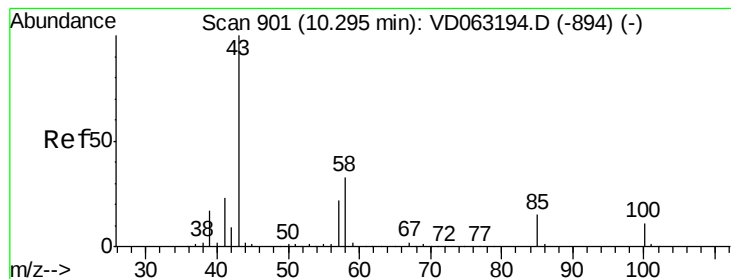
Tgt Ion: 98 Resp: 1203155

Ion Ratio Lower Upper

98 100

100 66.9 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 253.146 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

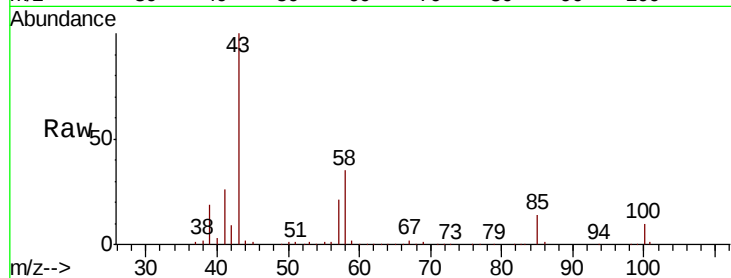
VSTDCCC050

Tgt Ion: 43 Resp: 1269272

Ion Ratio Lower Upper

43 100

58 35.0 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

500000

400000

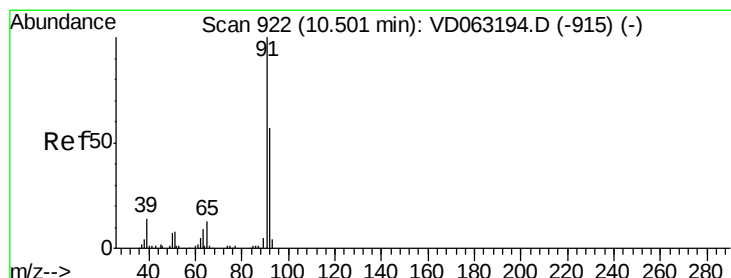
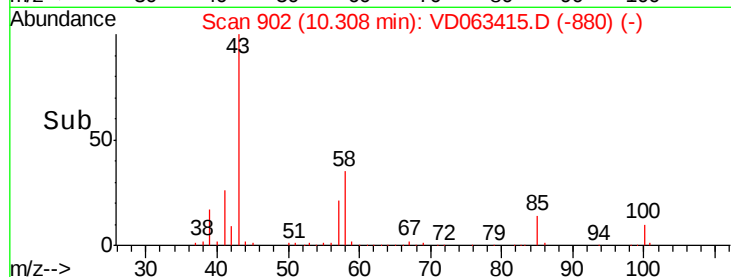
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.531 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063415.D

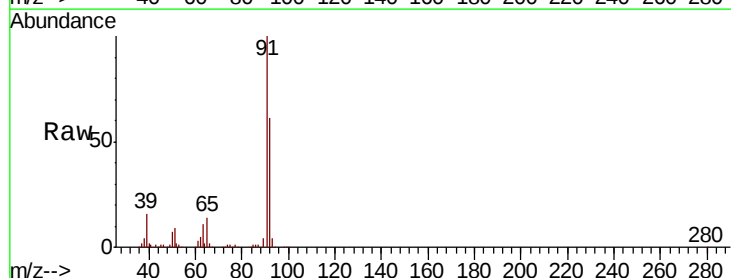
Acq: 7 Aug 2019 10:36

Tgt Ion: 92 Resp: 976525

Ion Ratio Lower Upper

92 100

91 164.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

800000

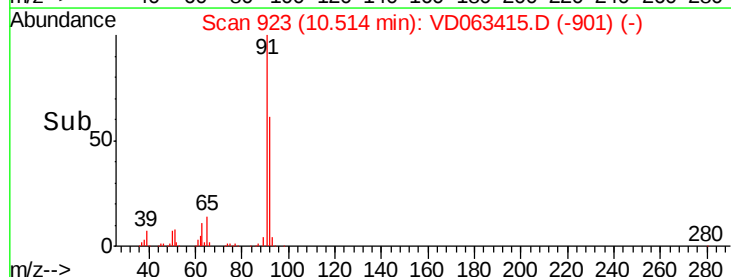
600000

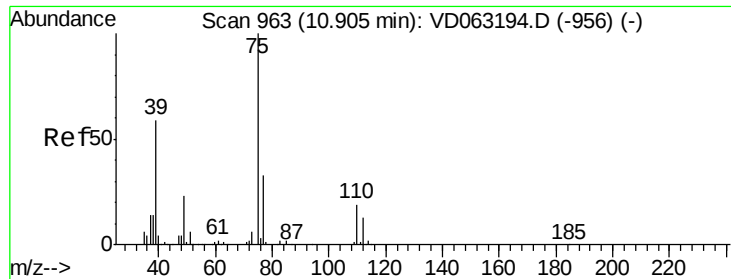
400000

200000

0

Time-->

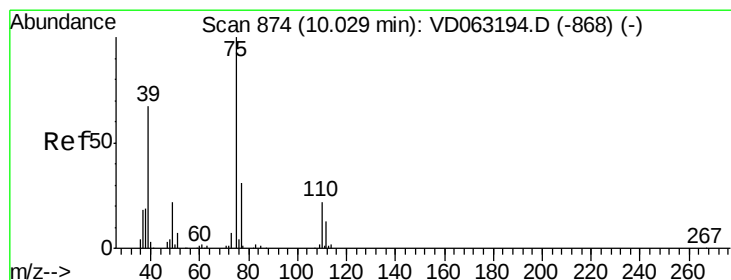
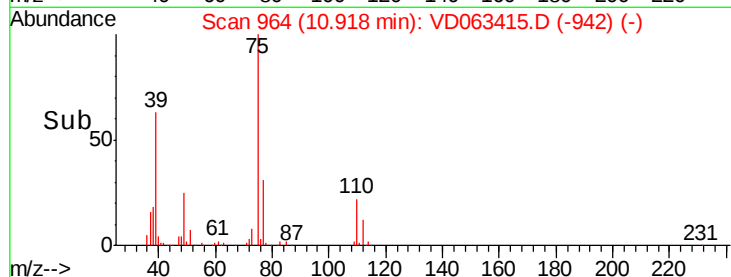
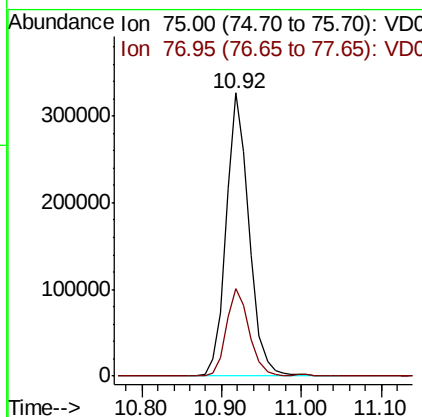
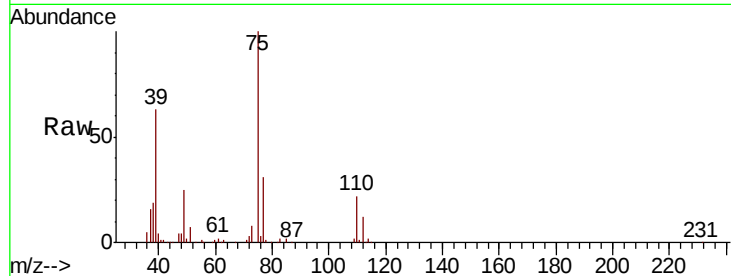




#53
 t-1,3-Dichloropropene
 Concen: 52.638 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

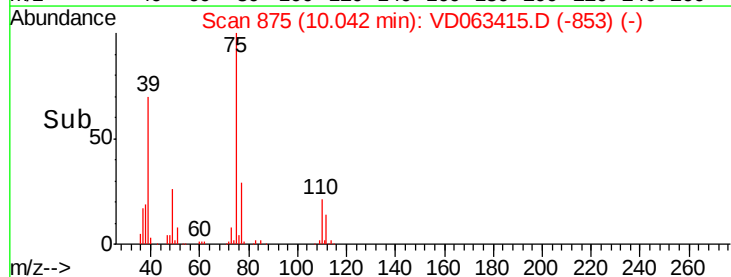
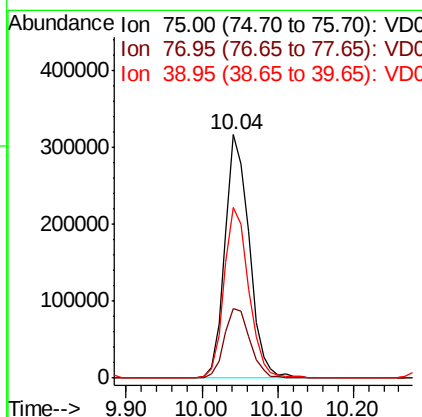
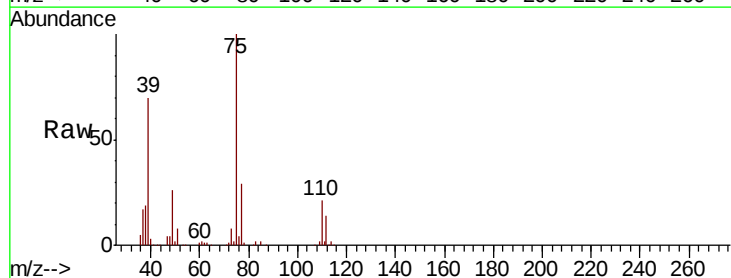
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

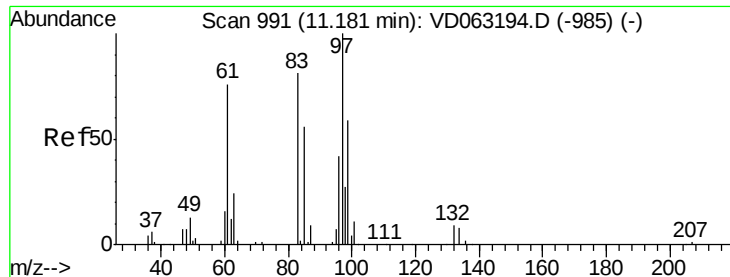
Tgt Ion: 75 Resp: 658267
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.420 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion: 75 Resp: 702090
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.9 37.3
 39 70.2 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 54.061 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 326965

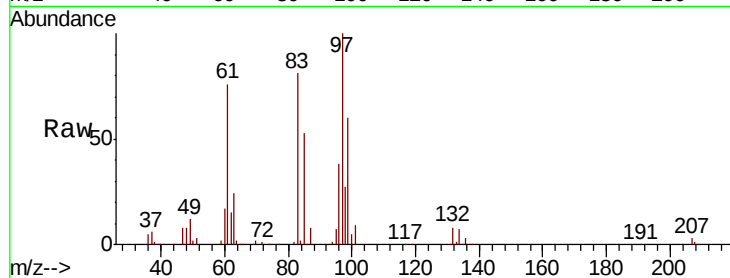
Ion Ratio Lower Upper

97 100

83 81.4 64.8 97.2

85 52.7 44.9 67.3

99 60.1 47.2 70.8

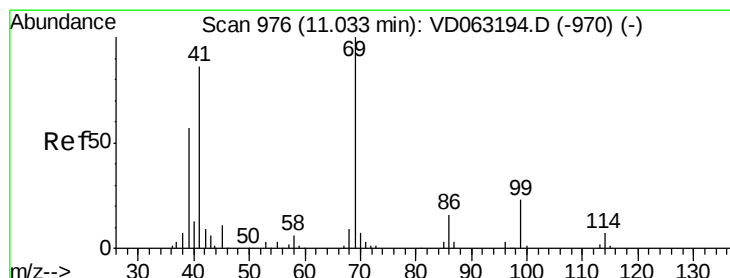
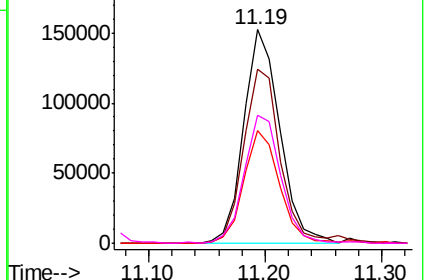
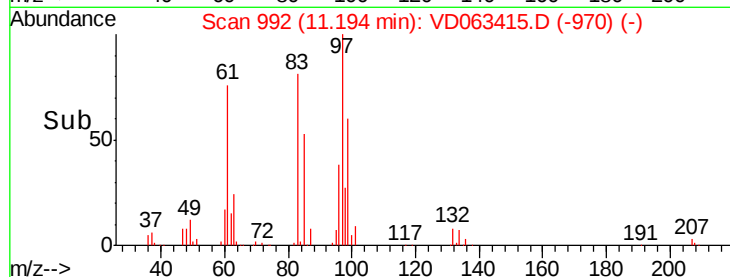


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.804 ug/l

RT: 11.05 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

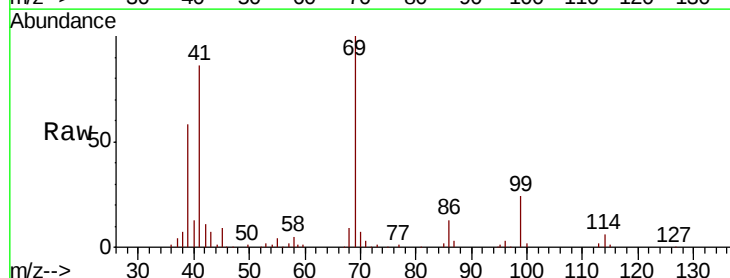
Tgt Ion: 69 Resp: 343085

Ion Ratio Lower Upper

69 100

41 85.9 68.8 103.2

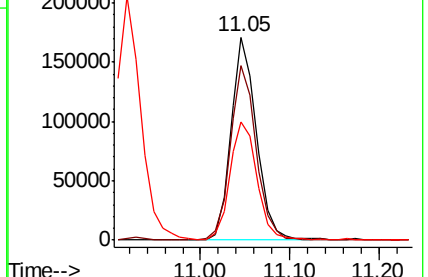
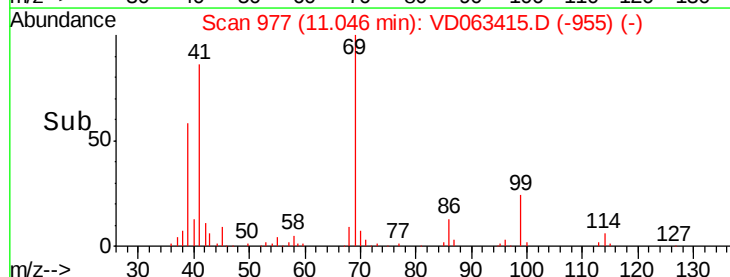
39 58.3 45.8 68.8

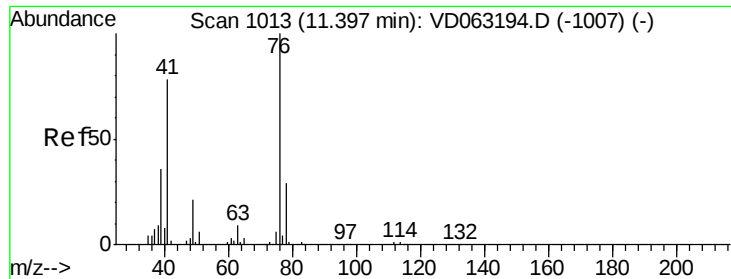


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.489 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

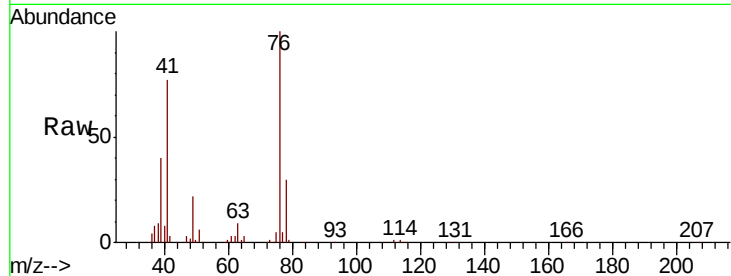
VSTDCCC050

Tgt Ion: 76 Resp: 500181

Ion Ratio Lower Upper

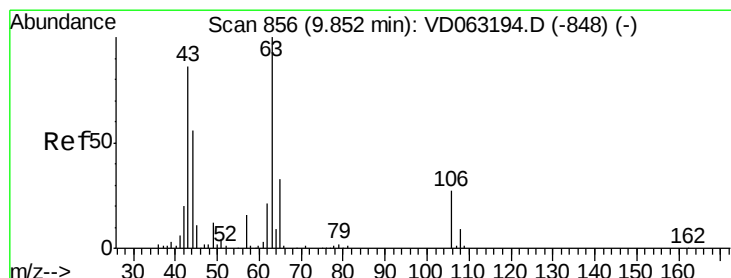
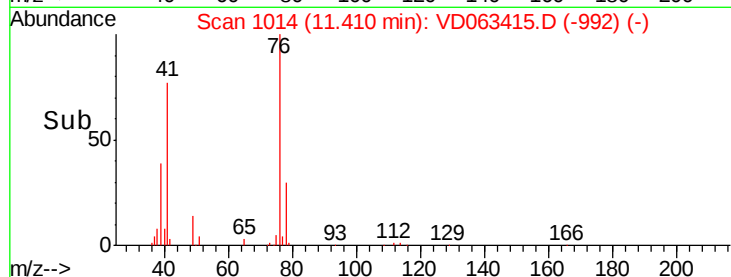
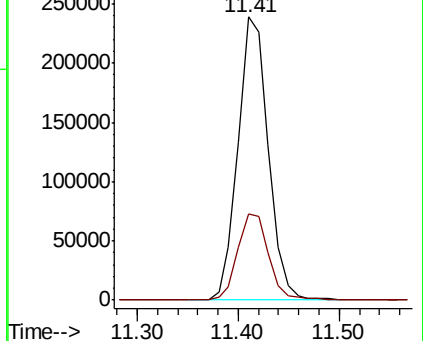
76 100

78 30.3 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 225.616 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063415.D

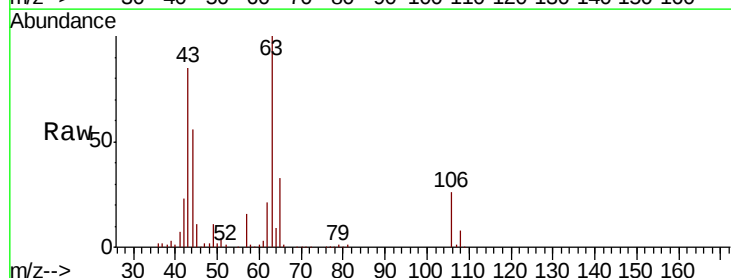
Acq: 7 Aug 2019 10:36

Tgt Ion: 63 Resp: 777492

Ion Ratio Lower Upper

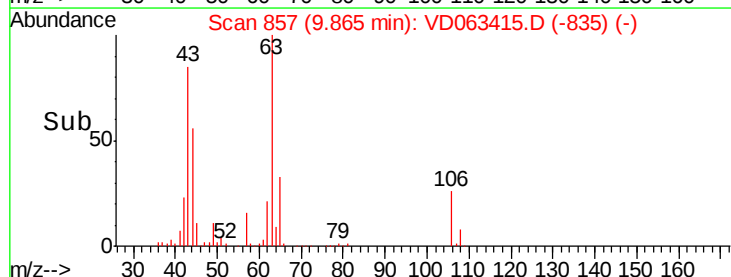
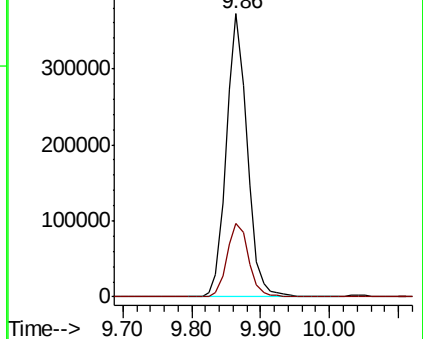
63 100

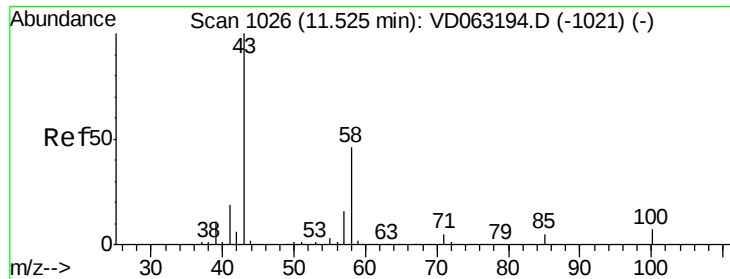
106 25.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

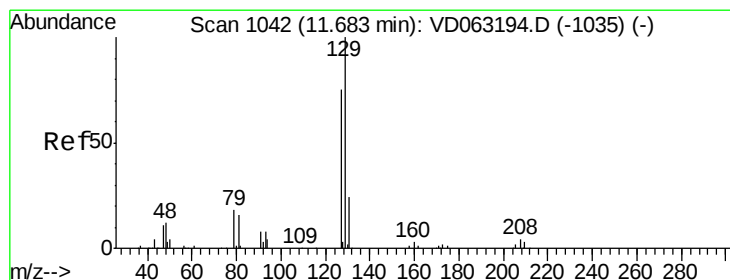
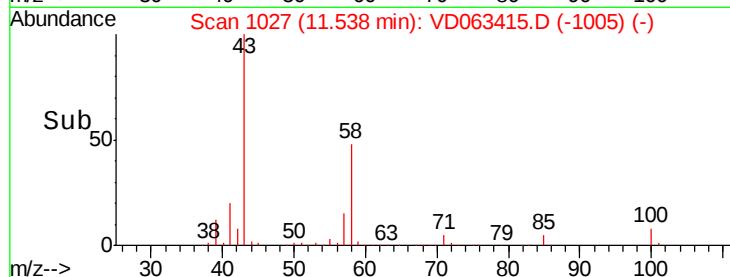
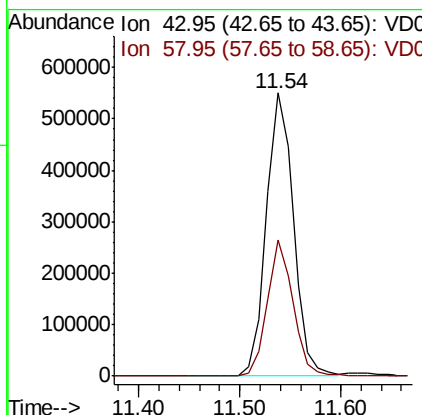
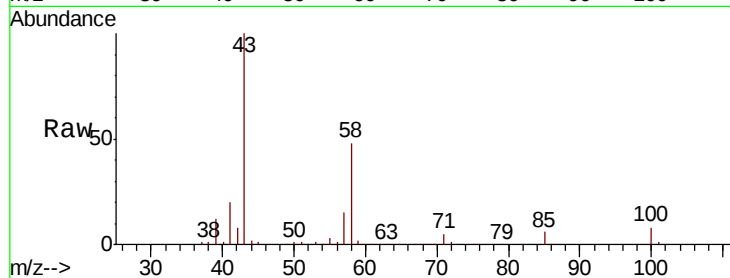




#59
2-Hexanone
Concen: 284.006 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

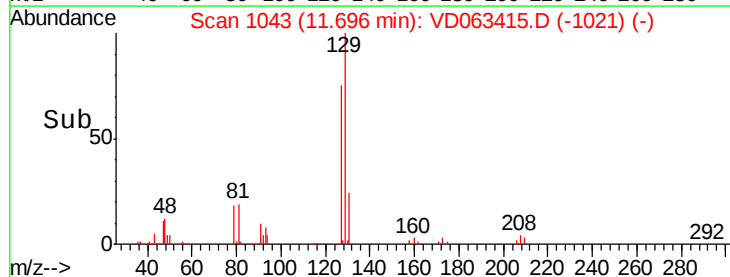
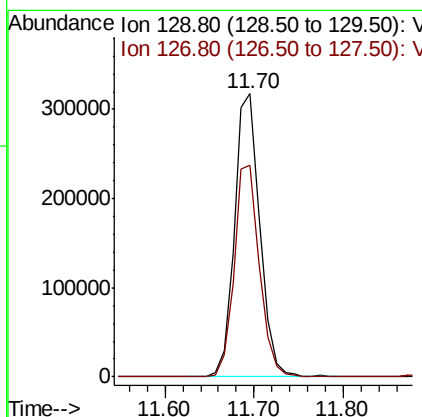
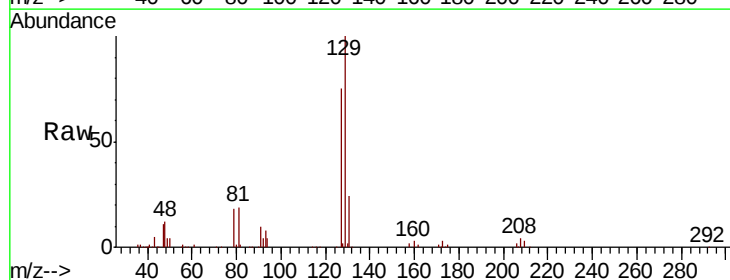
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

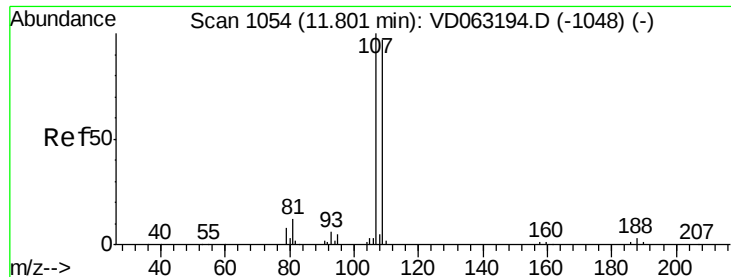
Tgt Ion: 43 Resp: 1026198
Ion Ratio Lower Upper
43 100
58 48.0 22.9 68.5



#60
Dibromochloromethane
Concen: 55.236 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 129 Resp: 630666
Ion Ratio Lower Upper
129 100
127 74.7 37.6 112.8

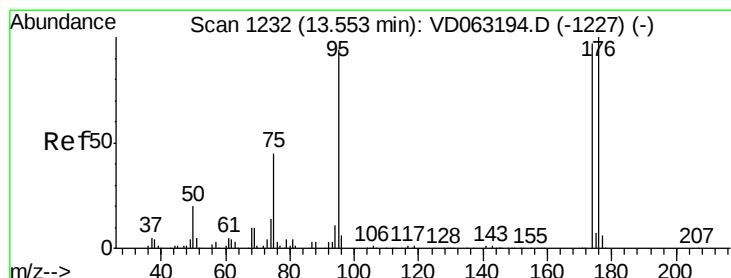
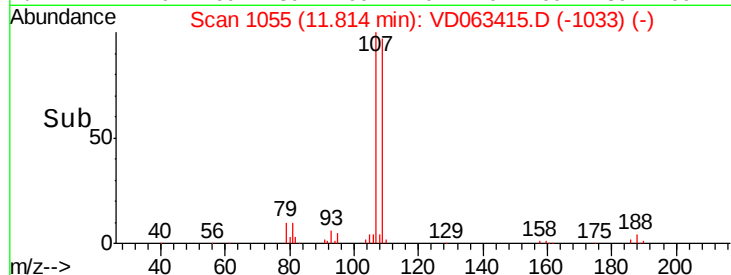
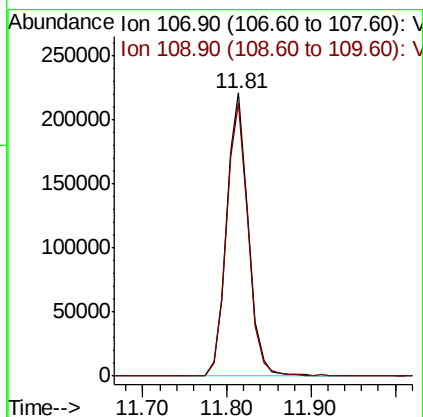
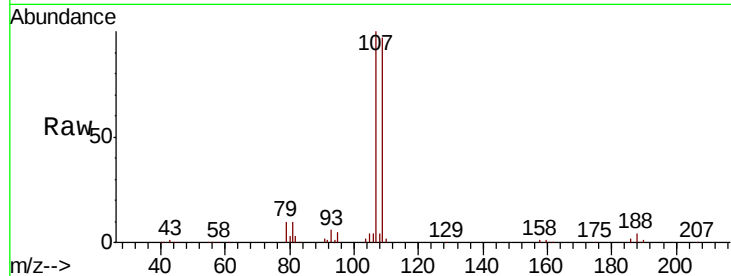




#61
 1,2-Dibromoethane
 Concen: 52.504 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

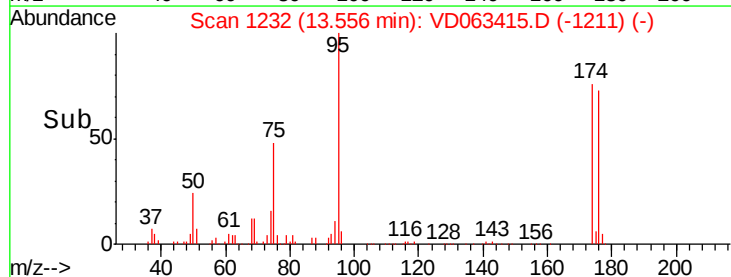
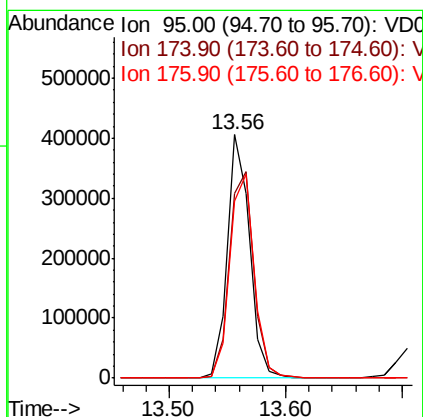
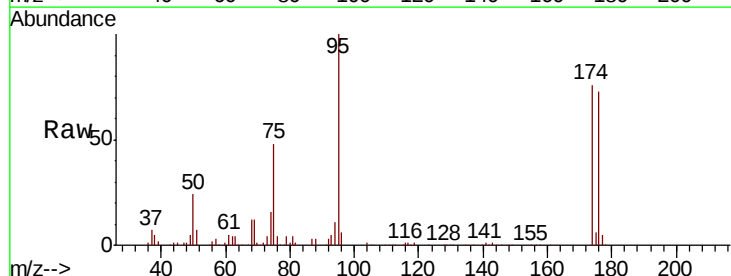
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

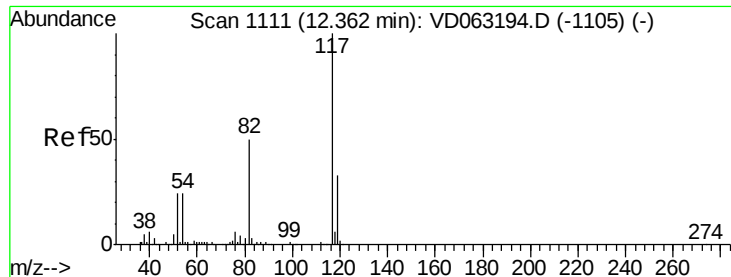
Tgt Ion: 107 Resp: 391834
 Ion Ratio Lower Upper
 107 100
 109 96.5 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 43.959 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion: 95 Resp: 538811
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 205.4
 176 72.6 0.0 211.8

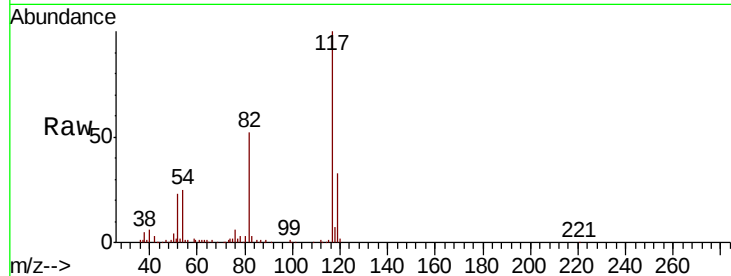




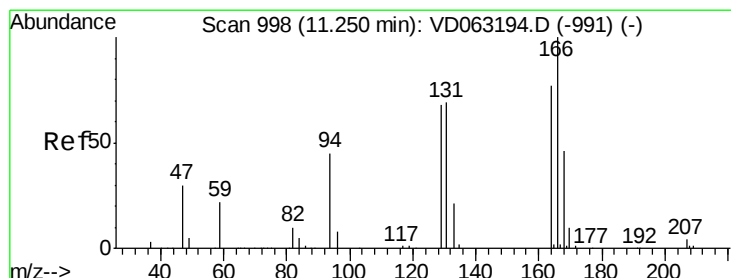
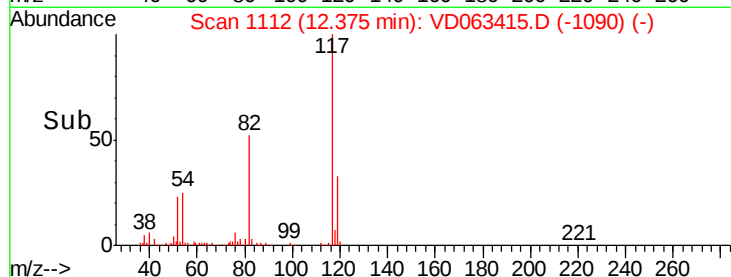
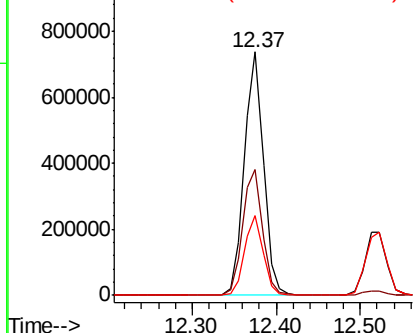
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1176673
Ion Ratio Lower Upper
117 100
82 51.5 40.1 60.1
119 32.5 26.5 39.7

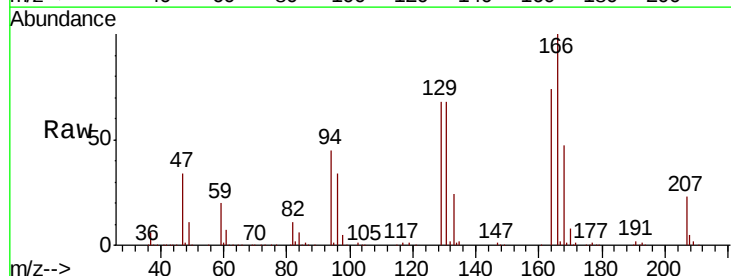


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

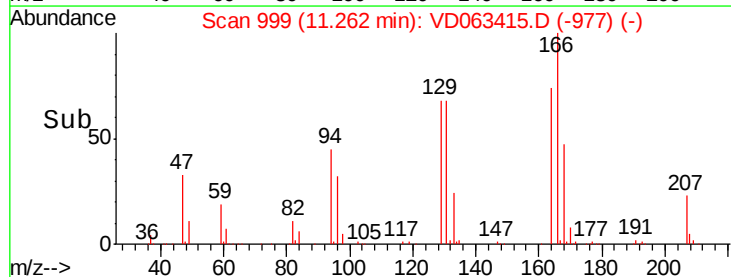
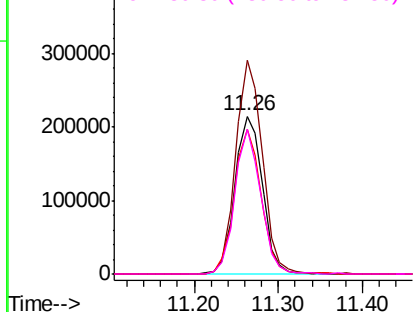


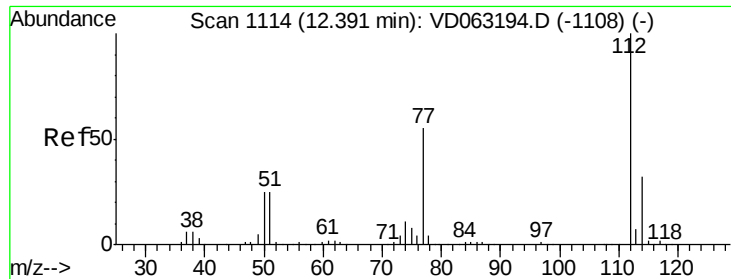
#64
Tetrachloroethene
Concen: 52.208 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion:164 Resp: 489406
Ion Ratio Lower Upper
164 100
166 135.2 104.3 156.5
129 91.7 70.9 106.3
131 91.7 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

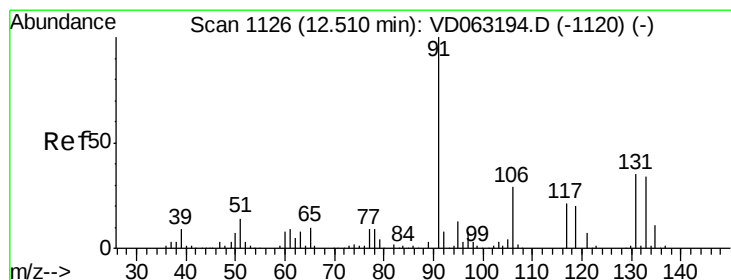
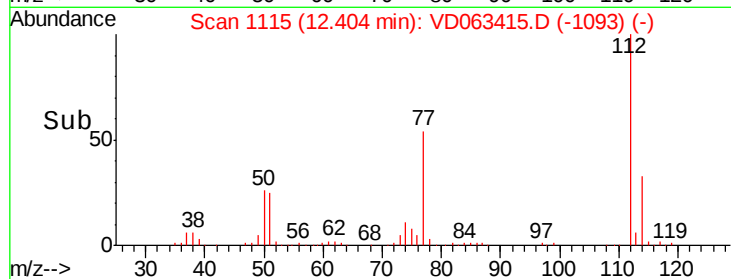
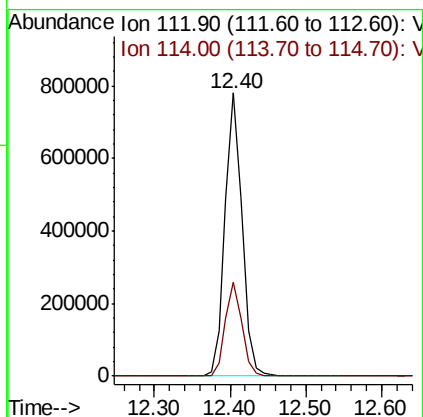
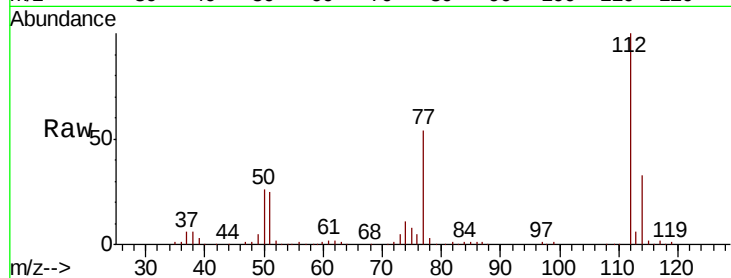




#65
Chlorobenzene
Concen: 54.067 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

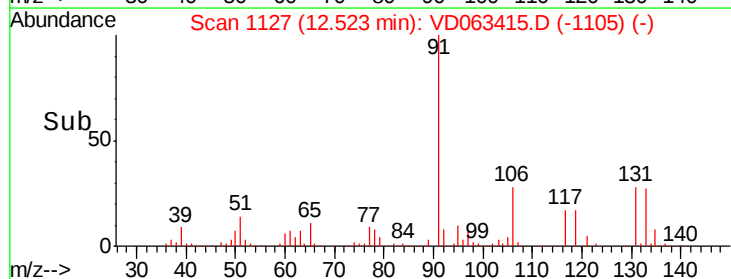
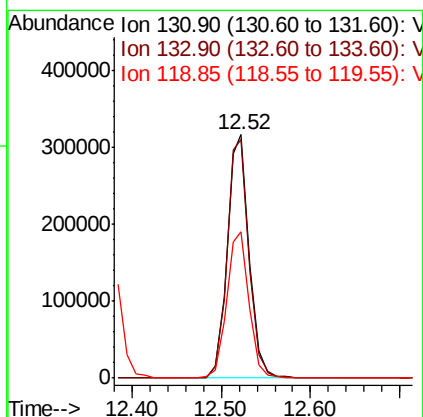
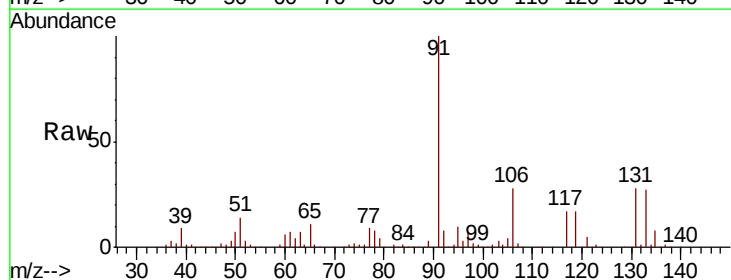
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

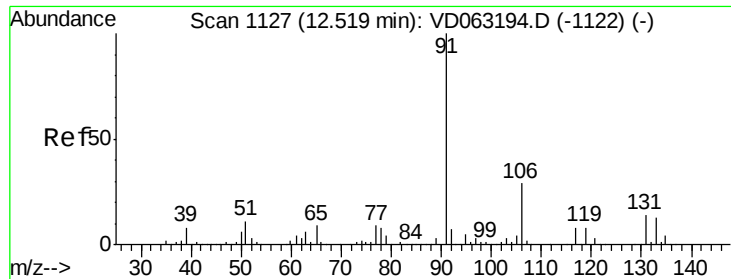
Tgt Ion:112 Resp: 1223680
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.953 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion:131 Resp: 547848
Ion Ratio Lower Upper
131 100
133 97.9 48.4 145.2
119 60.2 29.1 87.3

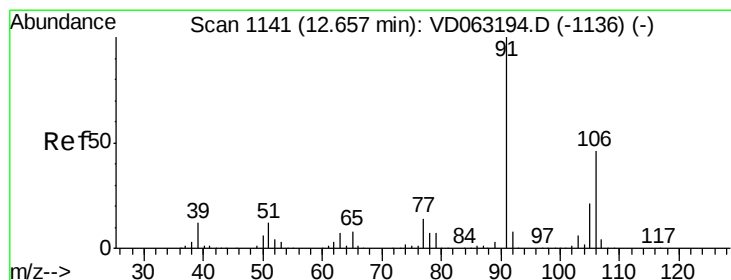
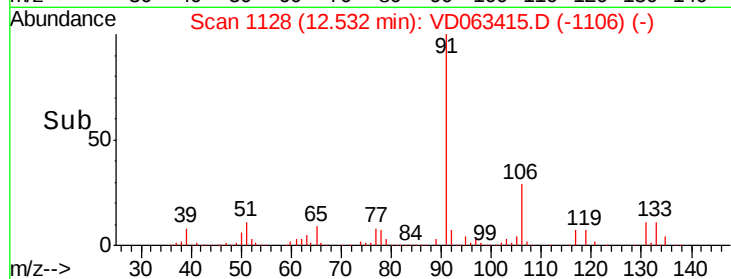
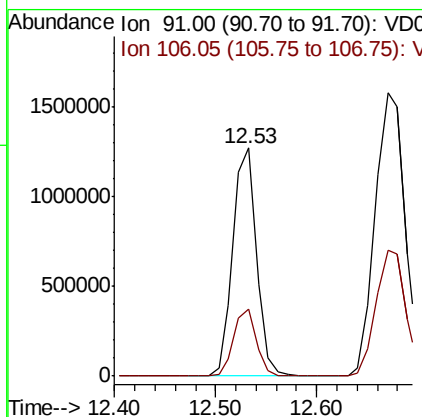
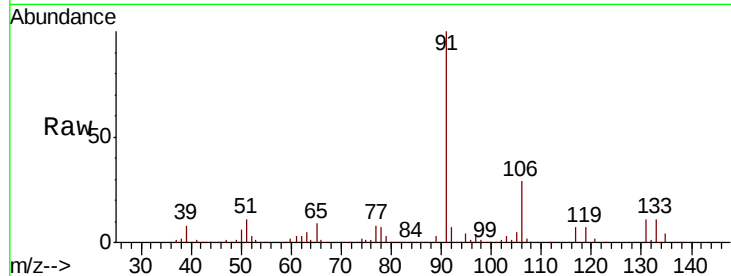




#67
Ethyl Benzene
Concen: 53.839 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

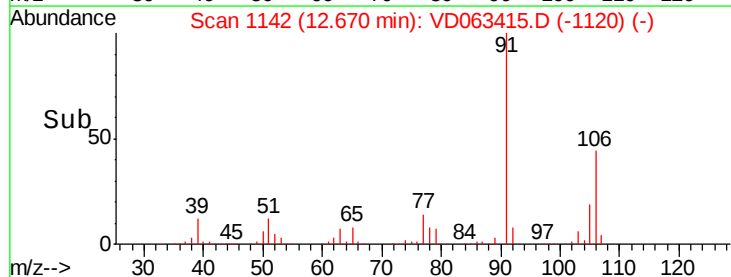
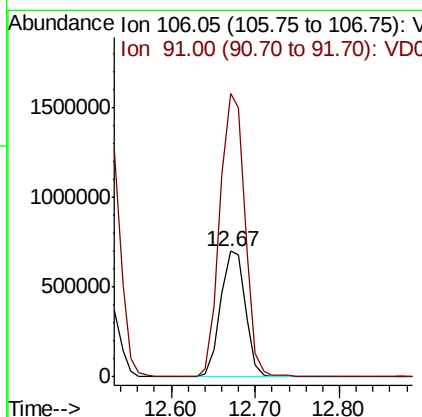
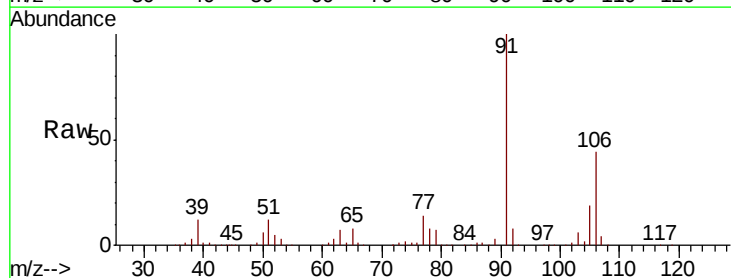
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

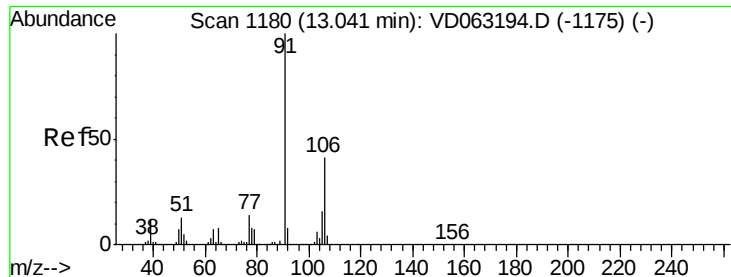
Tgt Ion: 91 Resp: 2069977
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3



#68
m/p-Xylenes
Concen: 101.833 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion: 106 Resp: 1435847
Ion Ratio Lower Upper
106 100
91 225.1 172.6 259.0

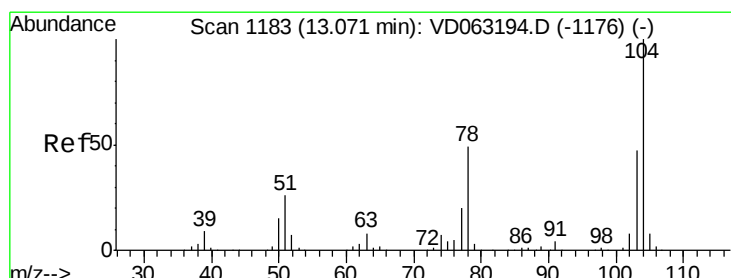
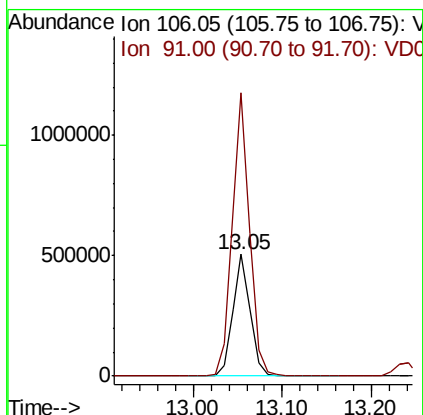
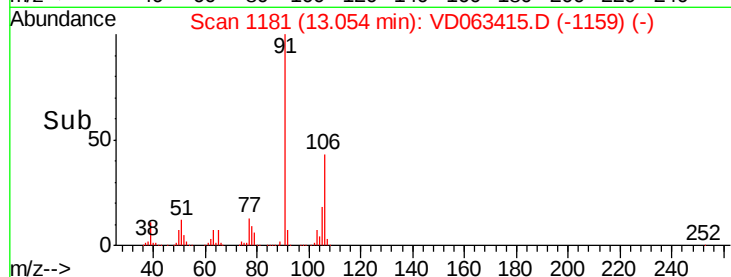
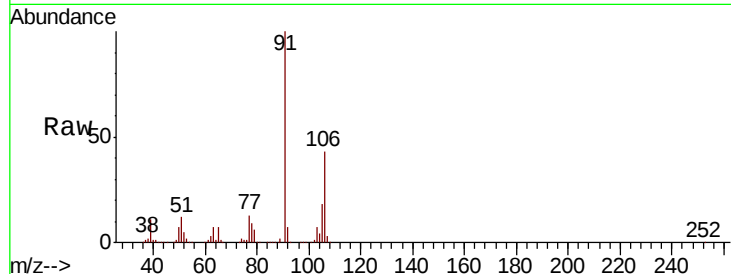




#69
o-Xylene
Concen: 54.175 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

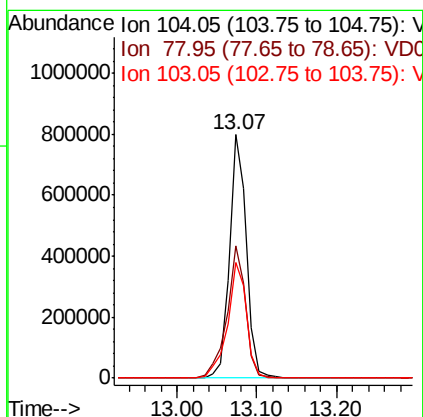
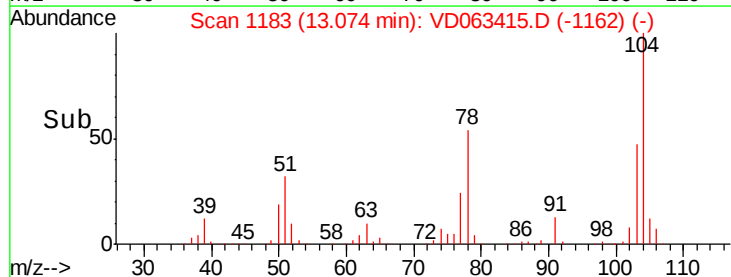
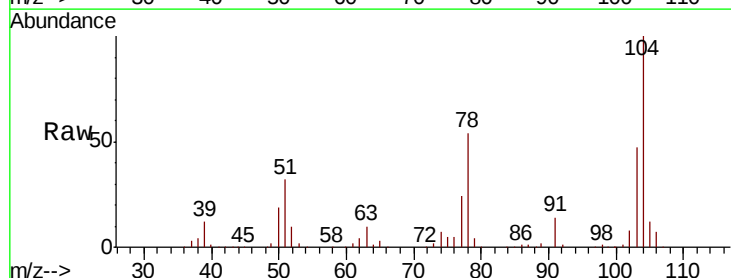
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

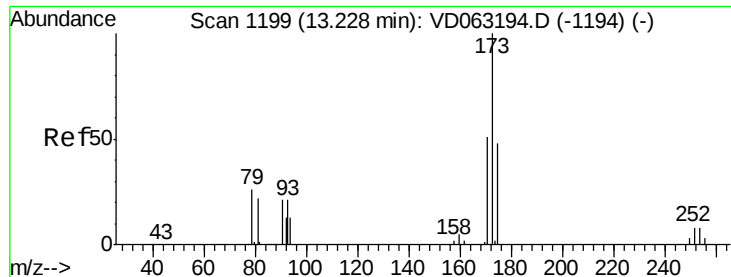
Tgt Ion:106 Resp: 701468
Ion Ratio Lower Upper
106 100
91 232.8 121.3 363.9



#70
Styrene
Concen: 51.939 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion:104 Resp: 1192666
Ion Ratio Lower Upper
104 100
78 54.1 39.4 59.0
103 47.4 37.4 56.2

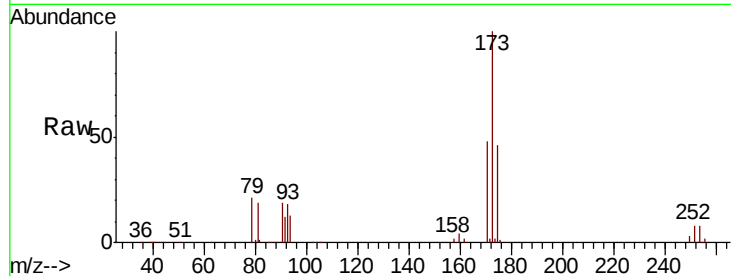




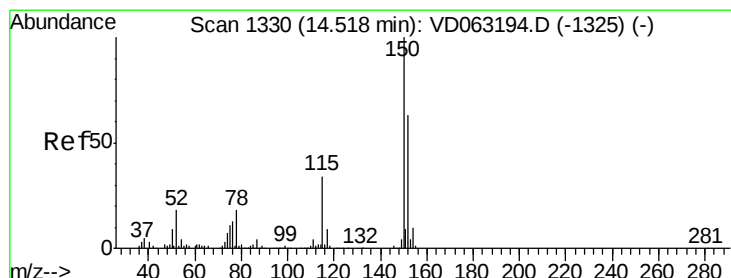
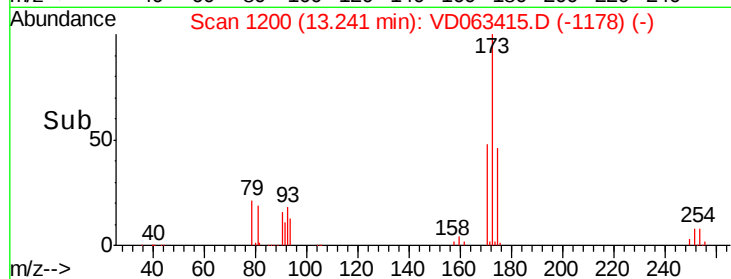
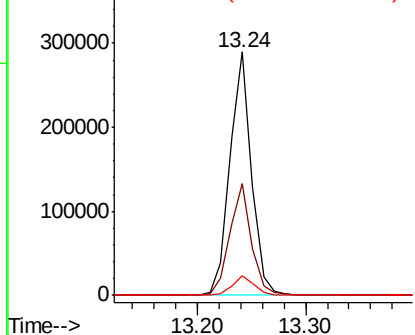
#71
Bromoform
Concen: 55.591 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 403036
Ion Ratio Lower Upper
173 100
175 45.7 23.8 71.5
254 8.1 6.6 10.0

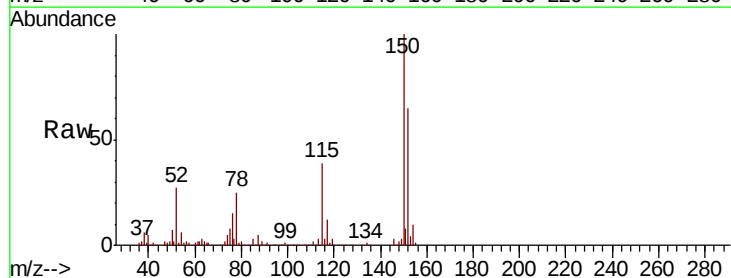


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

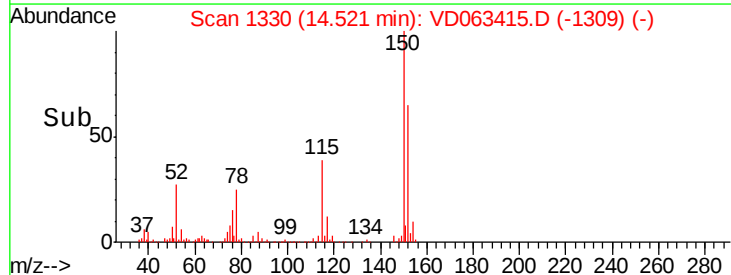
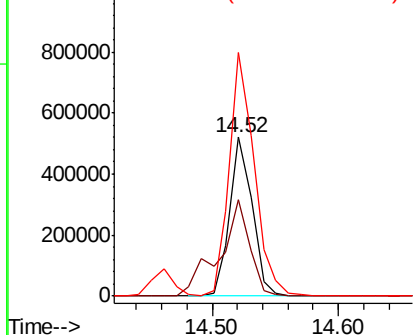


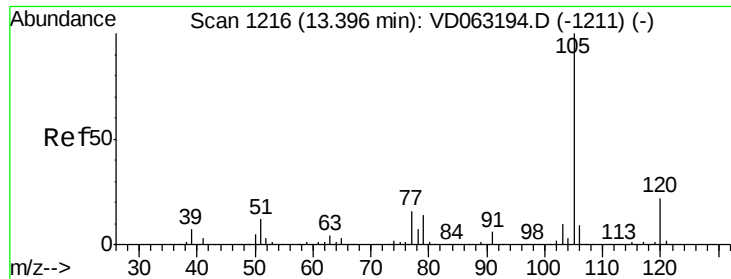
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion:152 Resp: 639240
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.4
150 153.6 0.0 320.6



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: 52.129 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

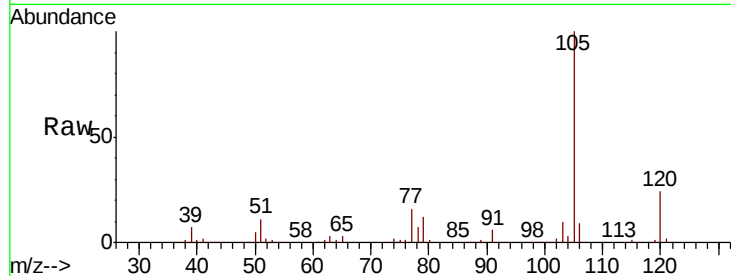
VSTDCCC050

Tgt Ion:105 Resp: 2091452

Ion Ratio Lower Upper

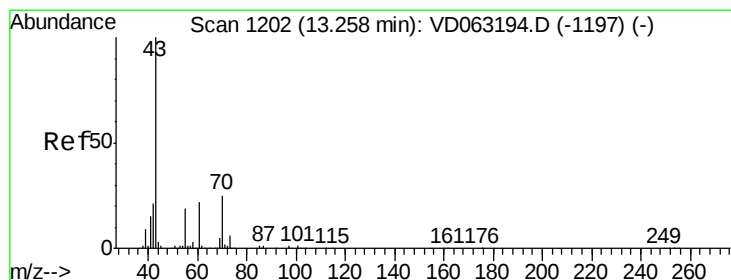
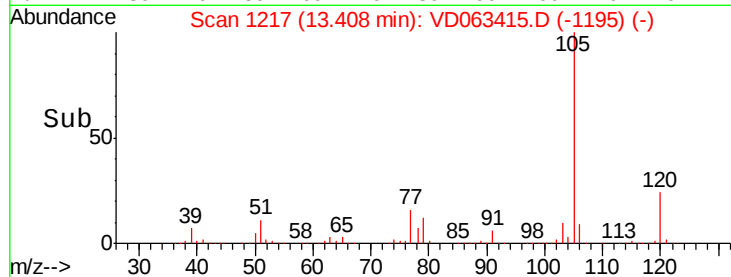
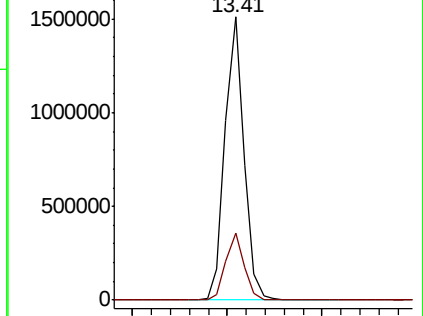
105 100

120 23.7 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.180 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Tgt Ion: 43 Resp: 564037

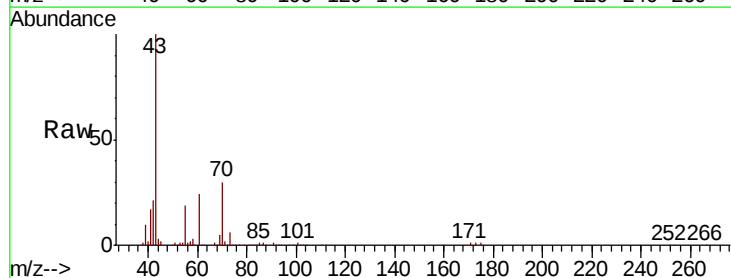
Ion Ratio Lower Upper

43 100

70 29.7 20.2 30.4

55 19.3 14.9 22.3

61 24.0 17.9 26.9

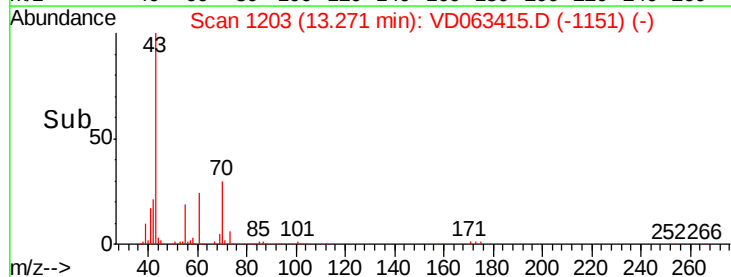
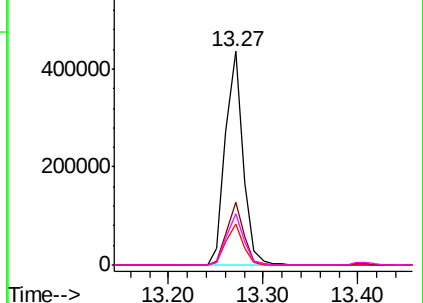


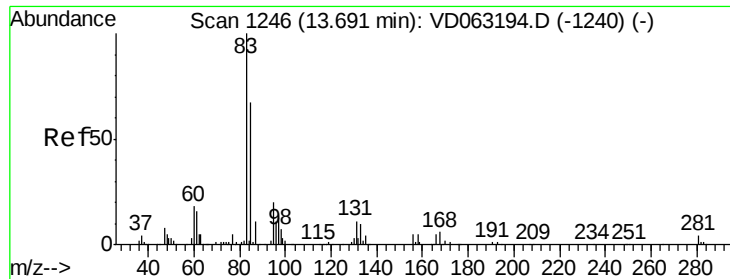
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.318 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

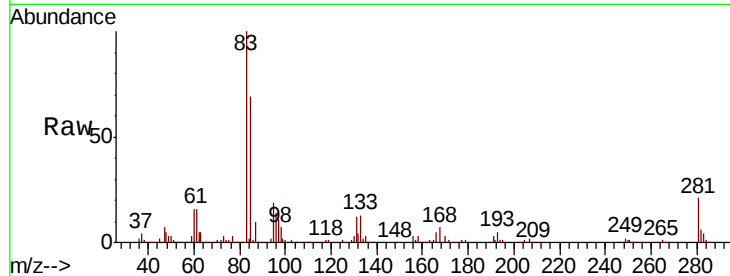
Tgt Ion: 83 Resp: 342918

Ion Ratio Lower Upper

83 100

131 12.0 5.5 16.7

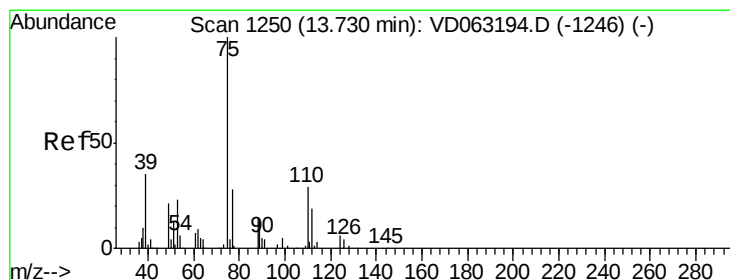
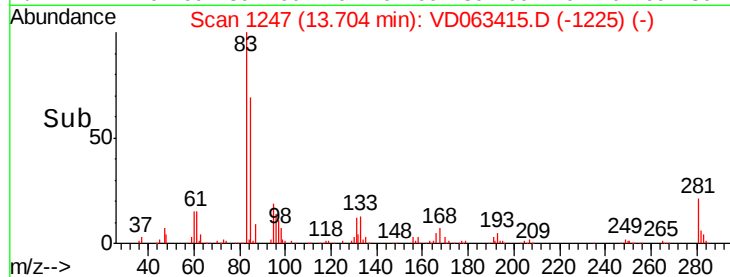
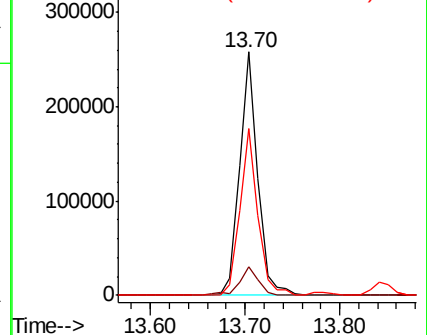
85 68.7 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.720 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063415.D

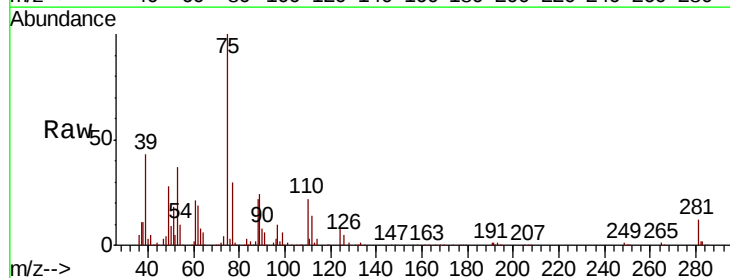
Acq: 7 Aug 2019 10:36

Tgt Ion: 75 Resp: 381751

Ion Ratio Lower Upper

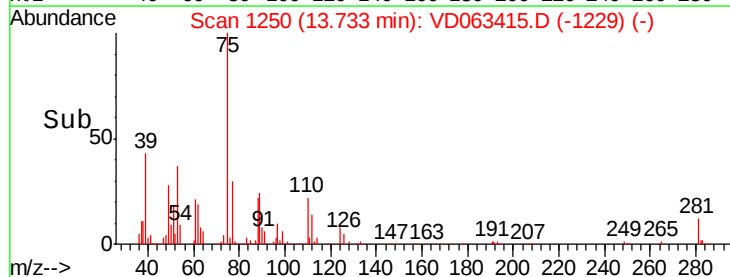
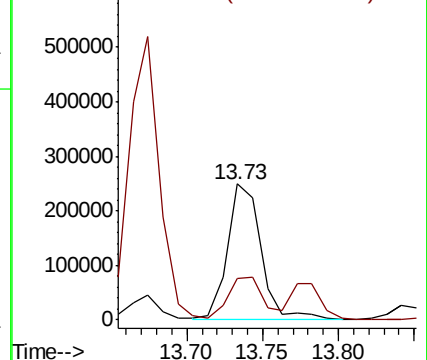
75 100

77 30.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.381 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

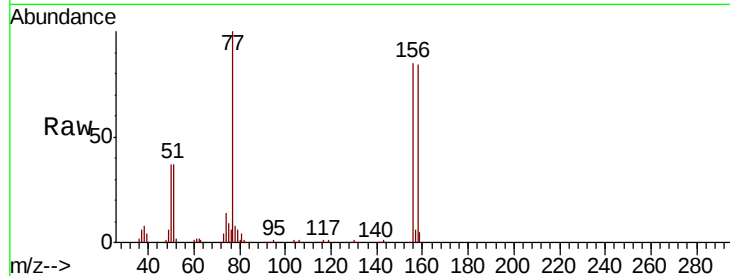
Tgt Ion:156 Resp: 575807

Ion Ratio Lower Upper

156 100

77 117.5 67.6 202.8

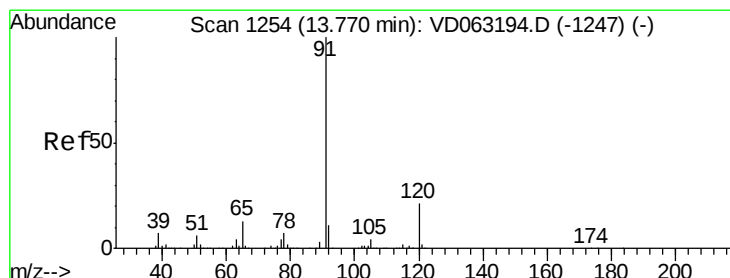
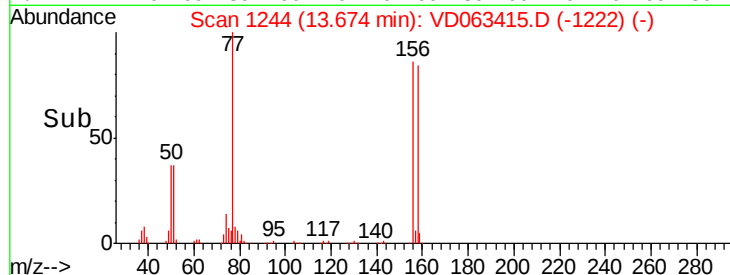
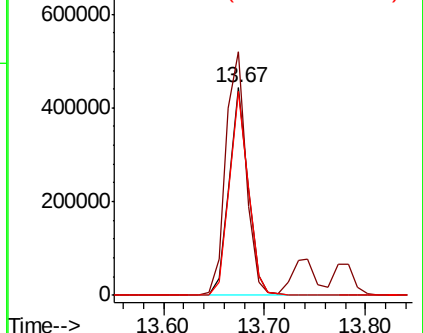
158 98.7 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.661 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063415.D

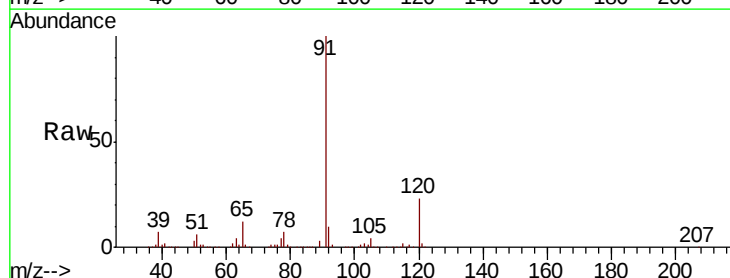
Acq: 7 Aug 2019 10:36

Tgt Ion: 91 Resp: 2371038

Ion Ratio Lower Upper

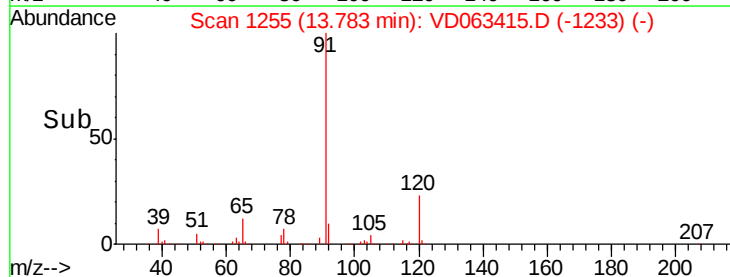
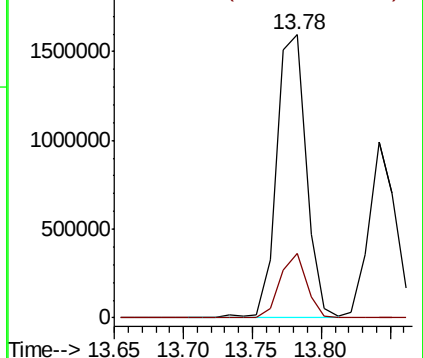
91 100

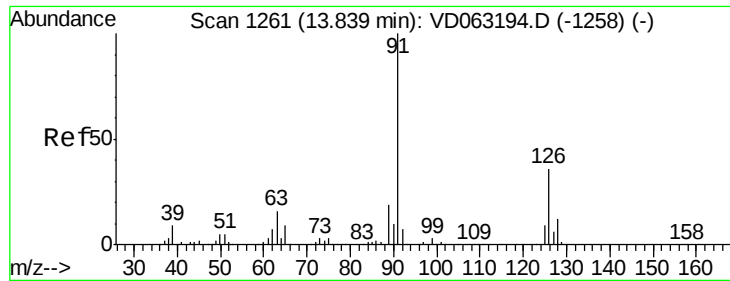
120 22.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.612 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

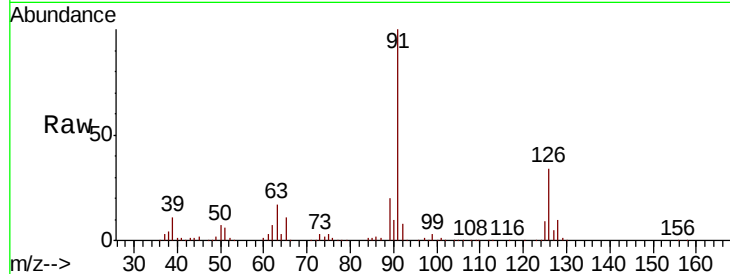
VSTDCCC050

Tgt Ion: 91 Resp: 1344829

Ion Ratio Lower Upper

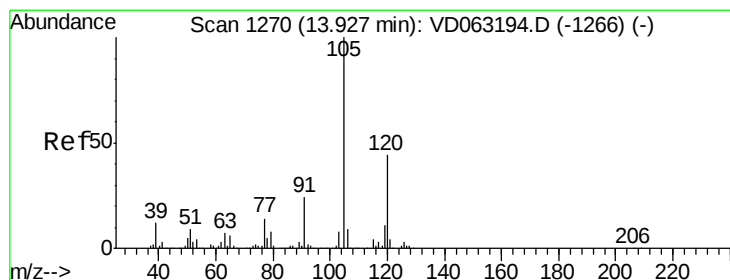
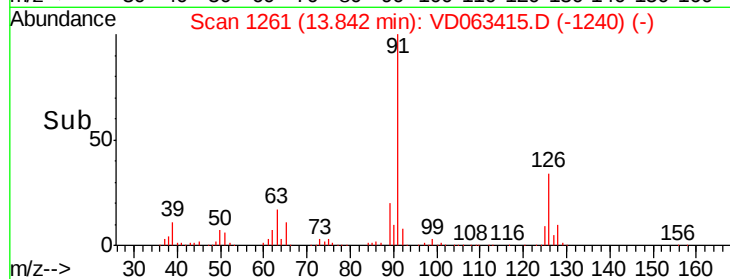
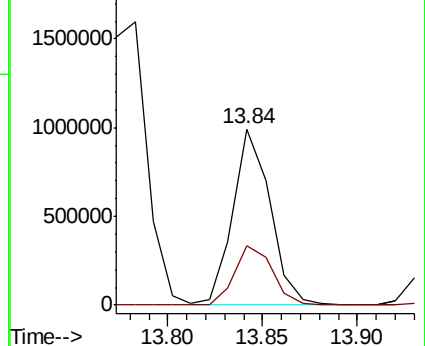
91 100

126 33.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.267 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063415.D

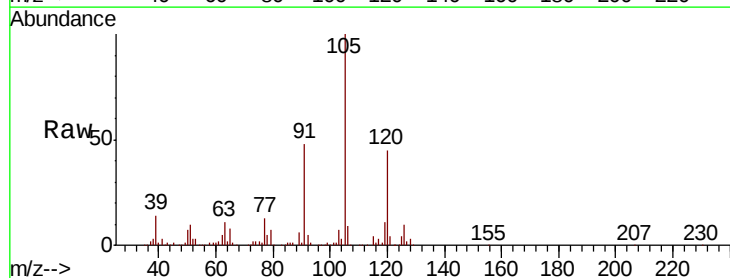
Acq: 7 Aug 2019 10:36

Tgt Ion: 105 Resp: 1739440

Ion Ratio Lower Upper

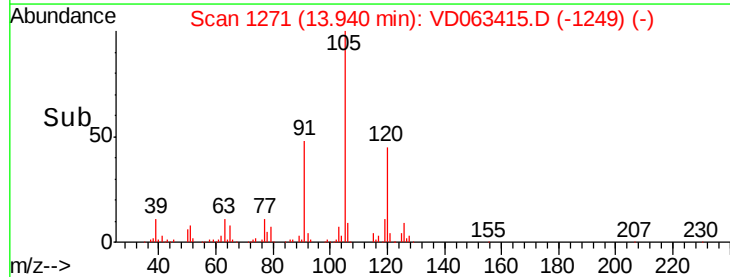
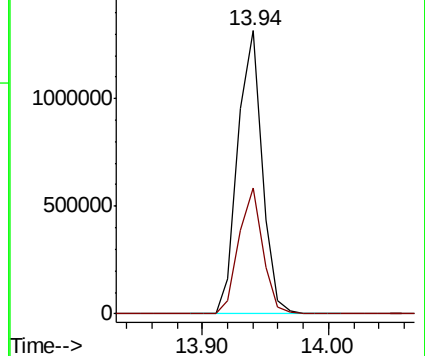
105 100

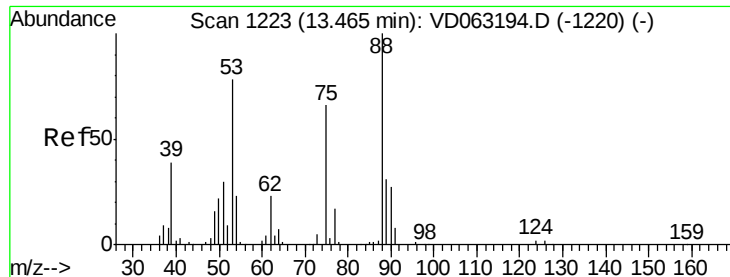
120 44.7 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.602 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

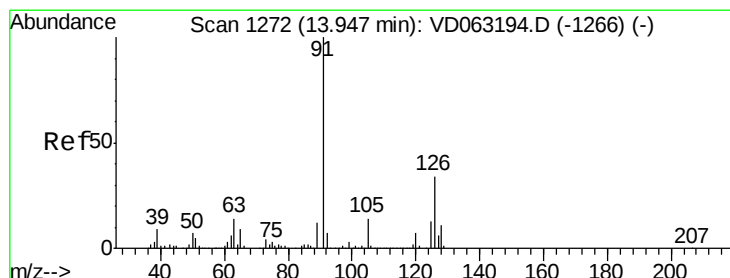
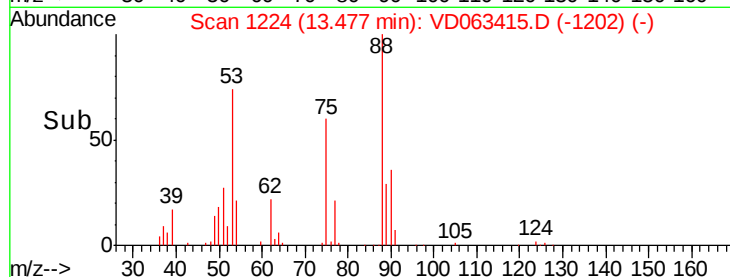
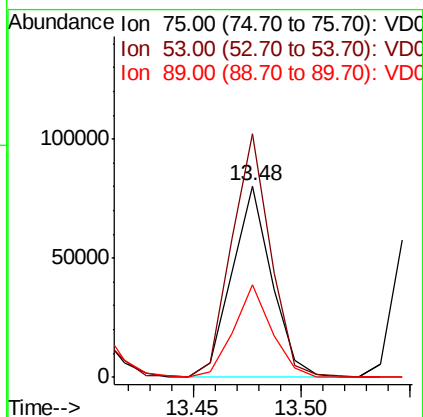
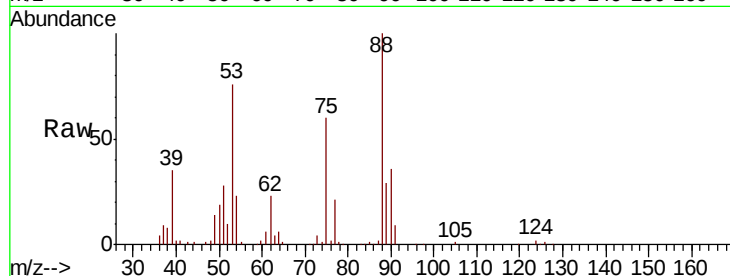
Tgt Ion: 75 Resp: 103623

Ion Ratio Lower Upper

75 100

53 127.1 94.9 142.3

89 48.4 37.4 56.0



#82

4-Chlorotoluene

Concen: 50.570 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063415.D

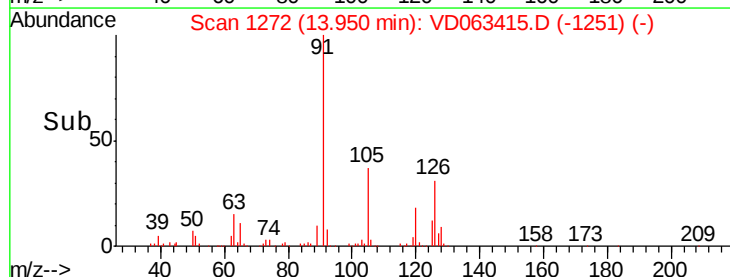
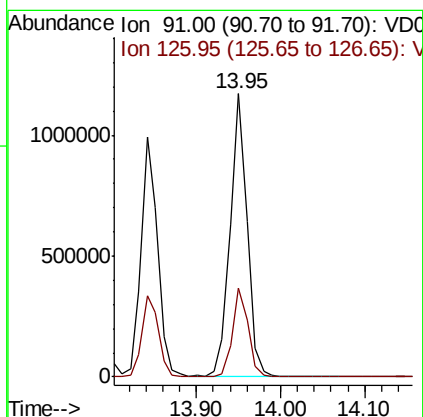
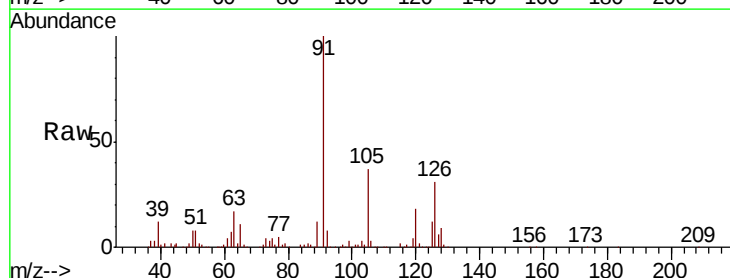
Acq: 7 Aug 2019 10:36

Tgt Ion: 91 Resp: 1646454

Ion Ratio Lower Upper

91 100

126 31.3 17.1 51.2

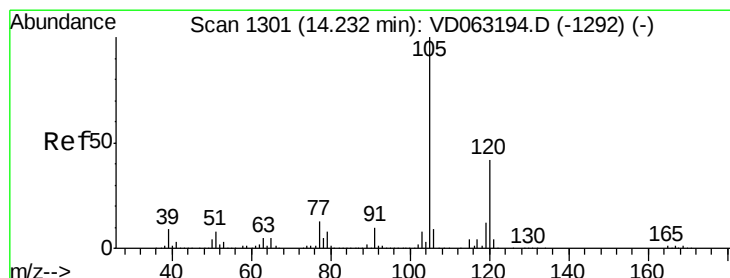
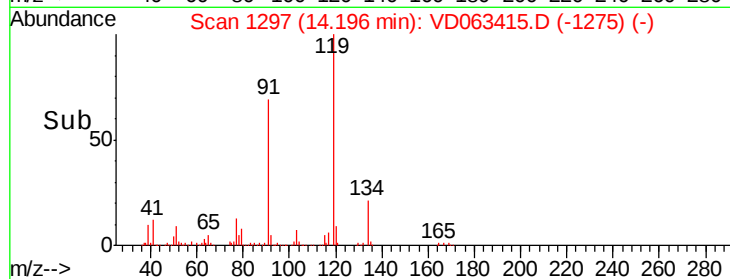
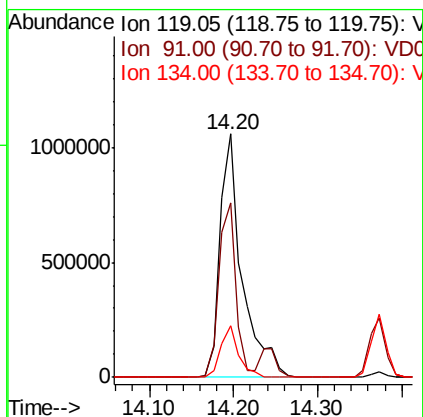
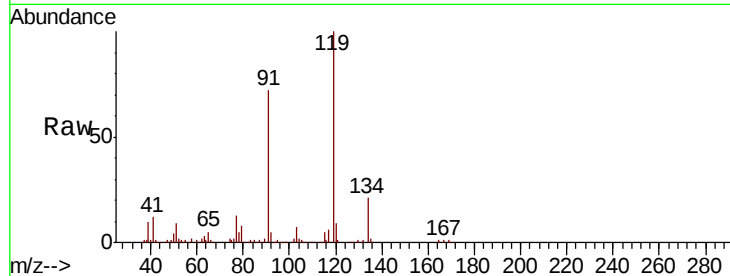




#83
tert-Butylbenzene
Concen: 48.797 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

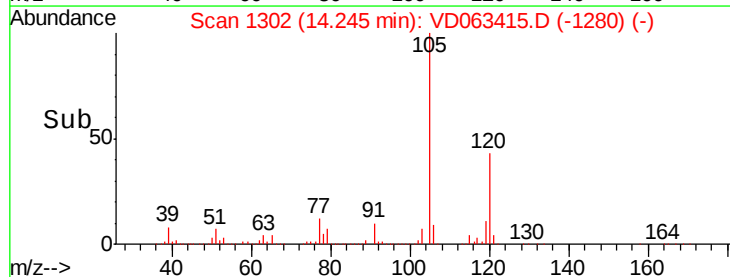
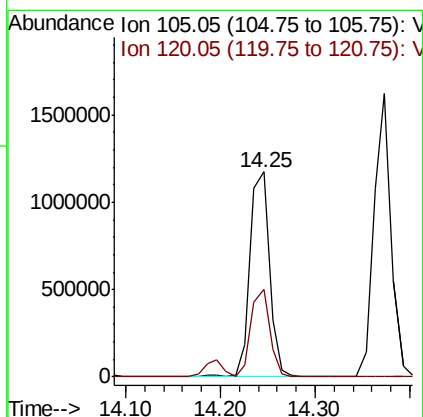
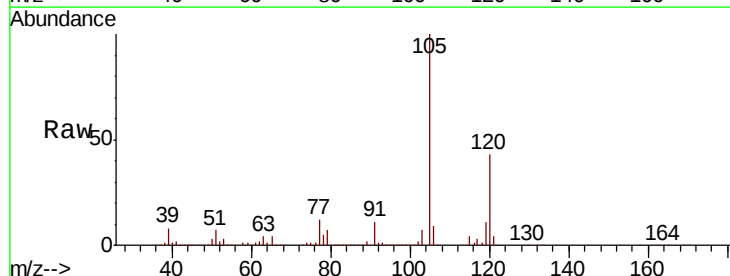
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

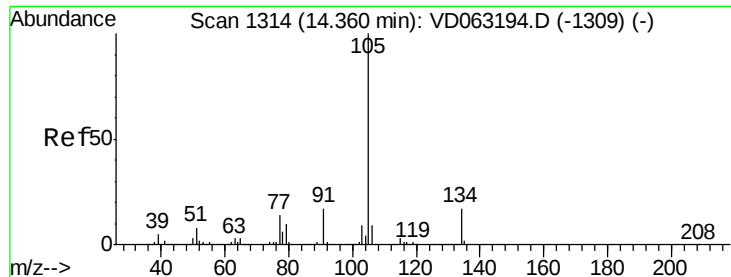
Tgt Ion:119 Resp: 1928008
Ion Ratio Lower Upper
119 100
91 71.7 39.1 117.5
134 21.2 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 47.018 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion:105 Resp: 1682865
Ion Ratio Lower Upper
105 100
120 42.9 20.9 62.7

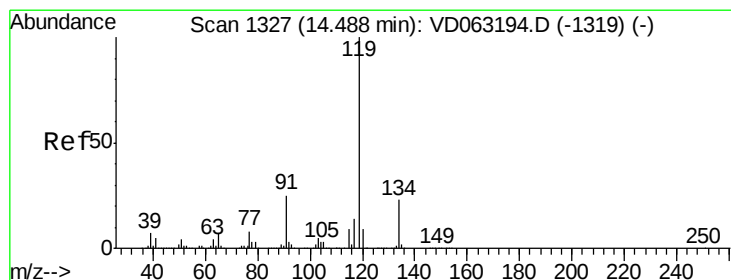
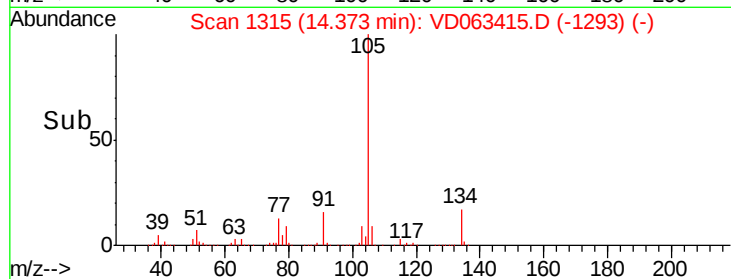
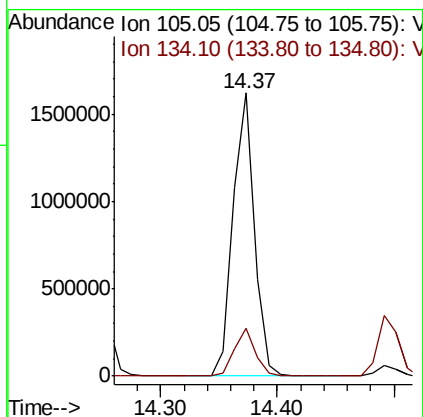
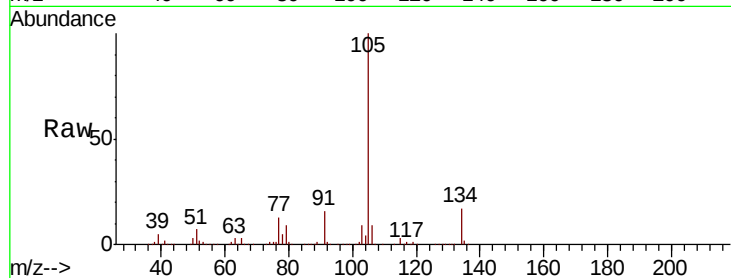




#85
 sec-Butylbenzene
 Concen: 49.439 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

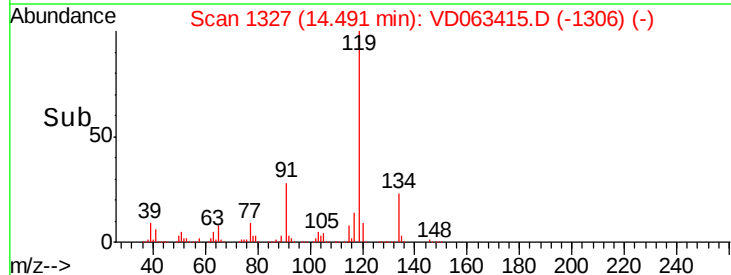
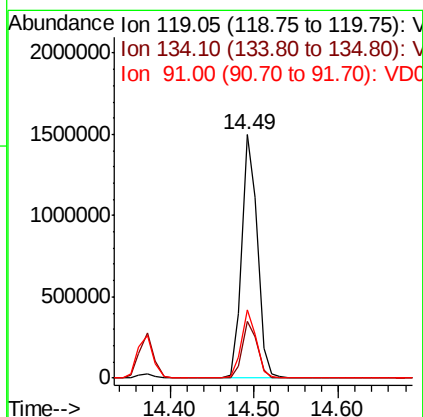
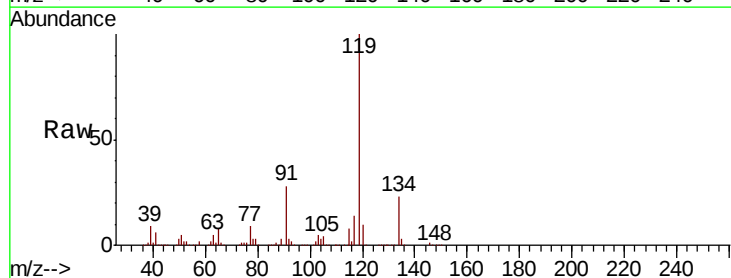
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

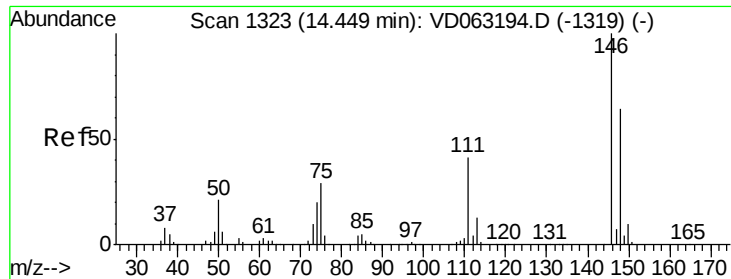
Tgt Ion:105 Resp: 2058071
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 48.511 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion:119 Resp: 1927437
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.5
 91 28.1 12.6 37.6

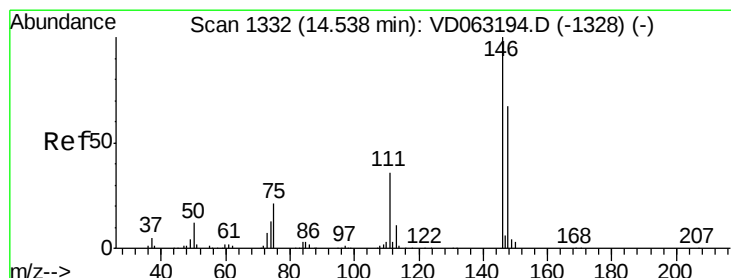
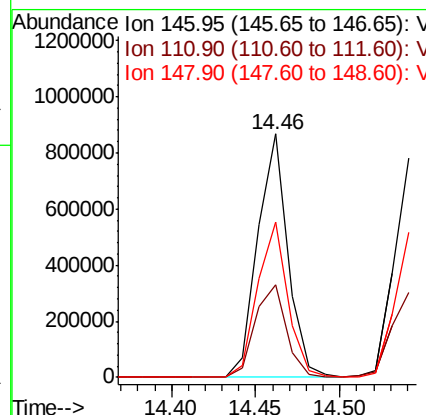
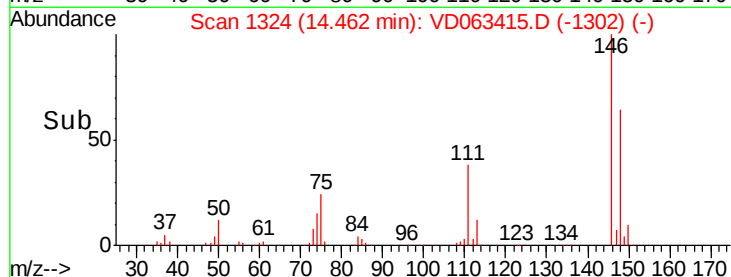
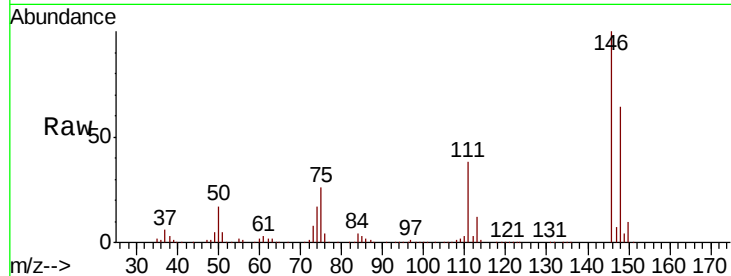




#87
 1,3-Dichlorobenzene
 Concen: 53.176 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

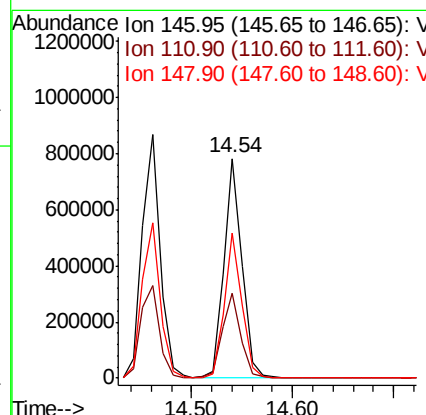
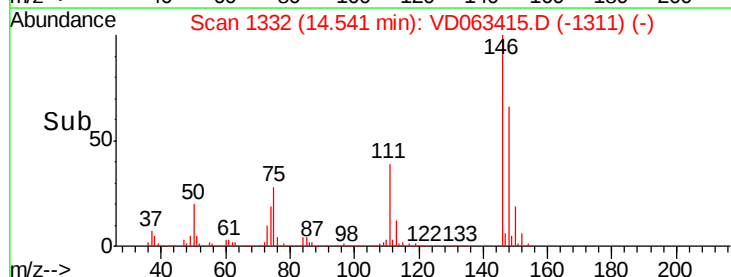
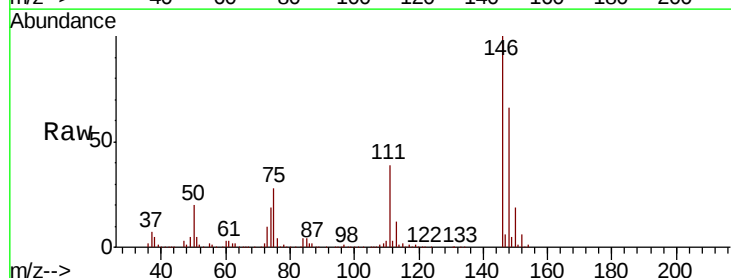
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

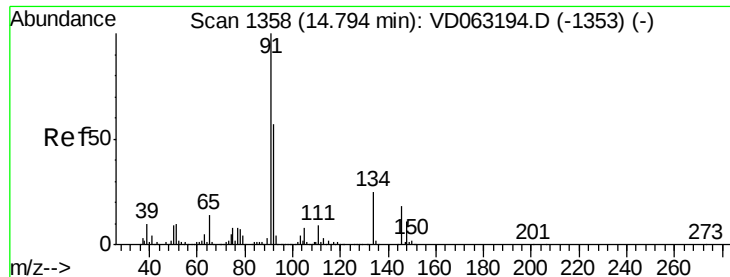
Tgt Ion:146 Resp: 1076290
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.4 61.3
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.836 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion:146 Resp: 979070
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.1 54.3
 148 66.3 33.4 100.1





#89

n-Butylbenzene

Concen: 53.082 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

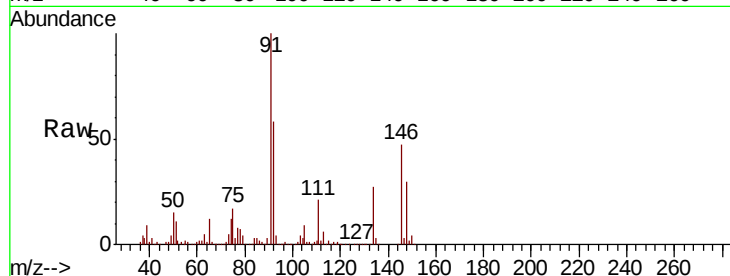
Tgt Ion: 91 Resp: 1821582

Ion Ratio Lower Upper

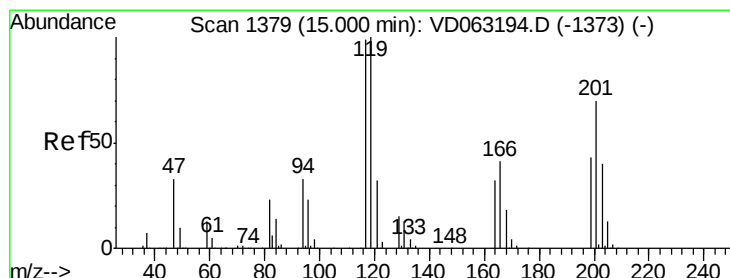
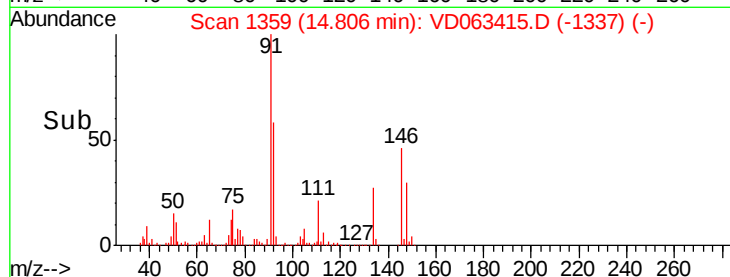
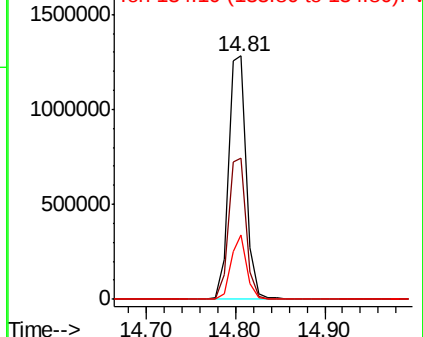
91 100

92 58.0 28.3 85.0

134 26.6 12.3 36.8



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): V



#90

Hexachloroethane

Concen: 52.504 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063415.D

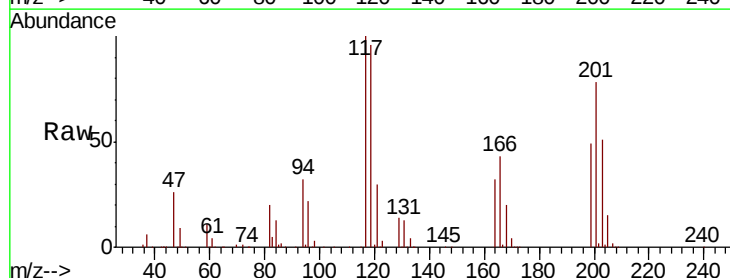
Acq: 7 Aug 2019 10:36

Tgt Ion: 117 Resp: 543497

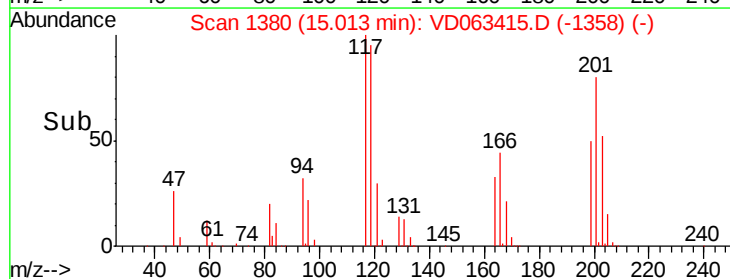
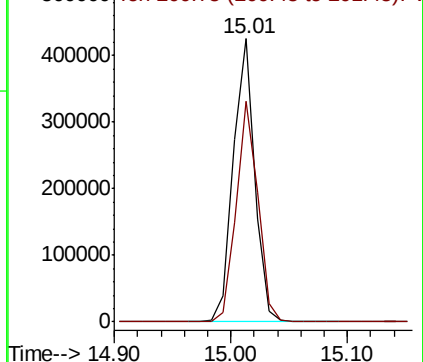
Ion Ratio Lower Upper

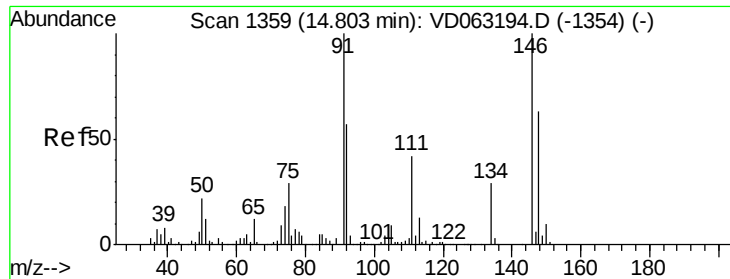
117 100

201 77.9 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 51.539 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

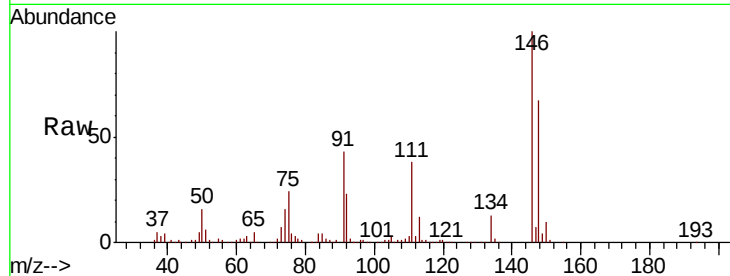
Tgt Ion:146 Resp: 908881

Ion Ratio Lower Upper

146 100

111 37.8 21.1 63.3

148 66.7 31.6 94.8



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

800000

600000

400000

200000

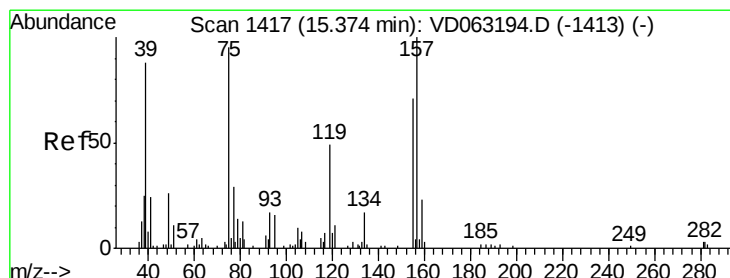
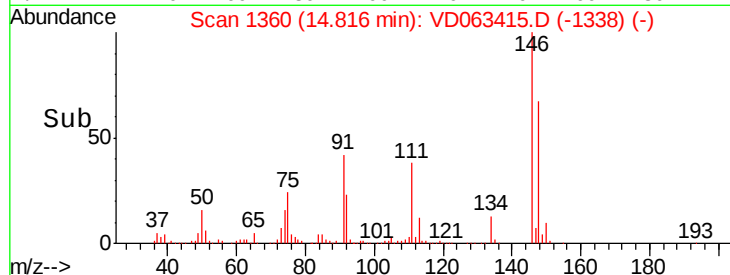
0

14.82

14.80

14.90

Time--> 14.70



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.689 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063415.D

Acq: 7 Aug 2019 10:36

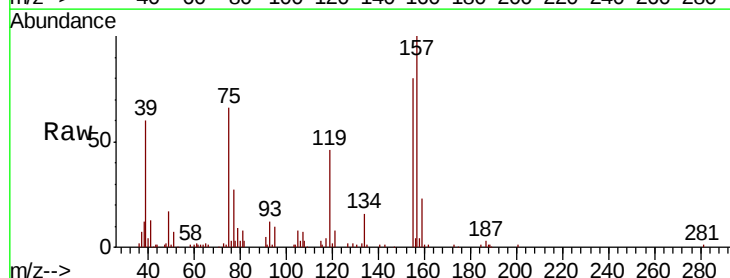
Tgt Ion: 75 Resp: 68978

Ion Ratio Lower Upper

75 100

155 121.5 37.0 111.0#

157 151.8 52.4 157.2



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

100000

80000

60000

40000

20000

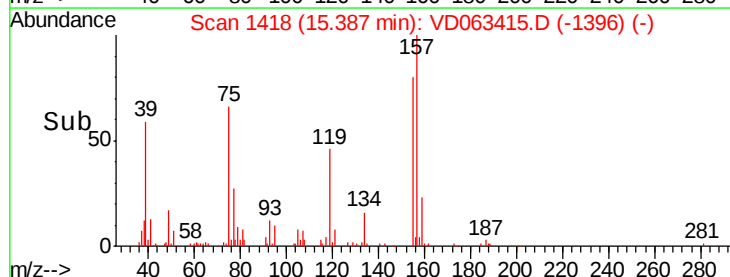
0

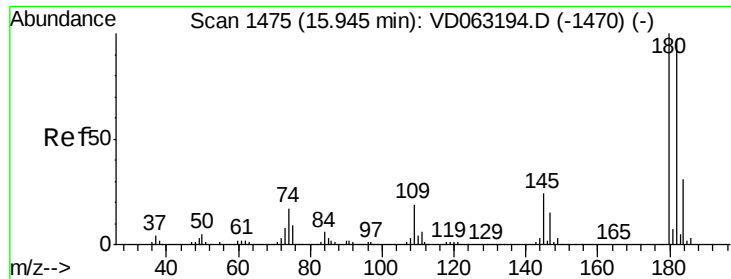
15.39

15.35

15.45

Time--> 15.30

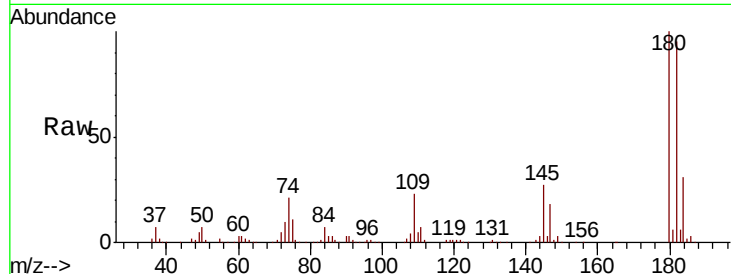




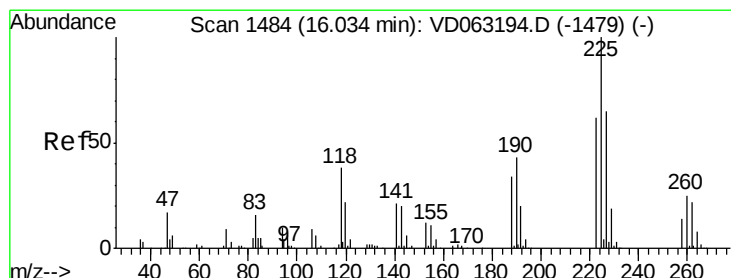
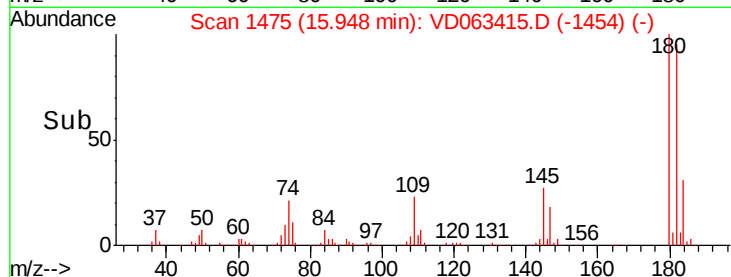
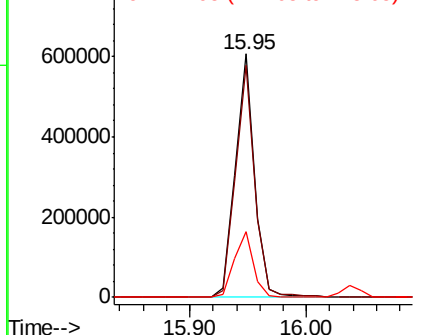
#93
 1,2,4-Trichlorobenzene
 Concen: 49.597 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 693856
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.6 145.8
 145 26.8 12.2 36.6

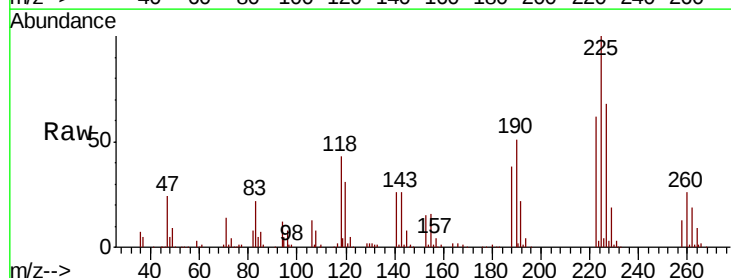


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

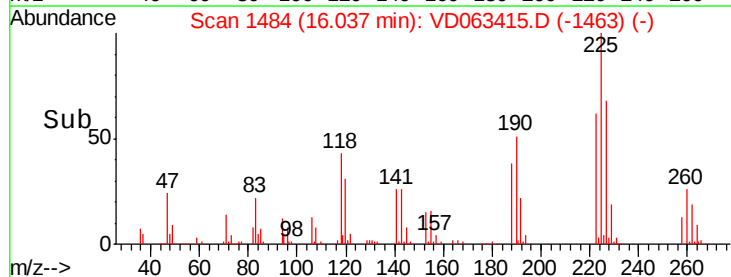
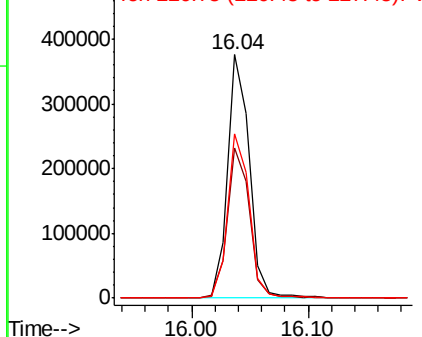


#94
 Hexachlorobutadiene
 Concen: 47.961 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063415.D
 Acq: 7 Aug 2019 10:36

Tgt Ion:225 Resp: 486234
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.9 92.5
 227 67.7 32.6 97.7



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

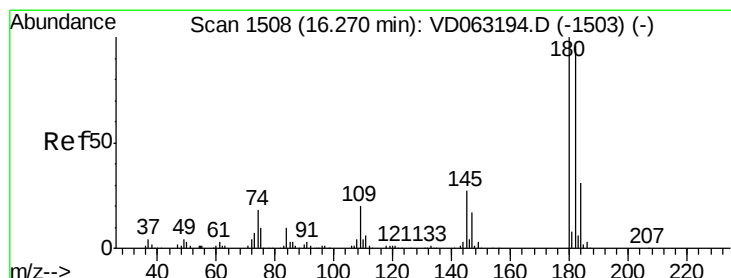
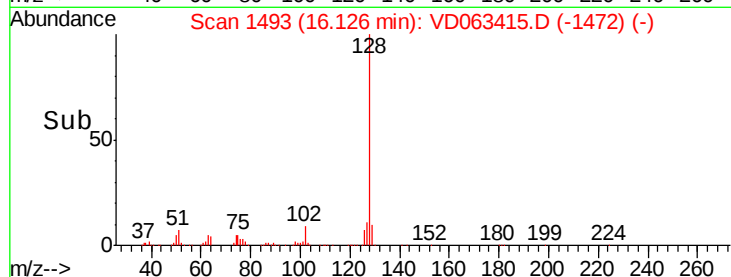
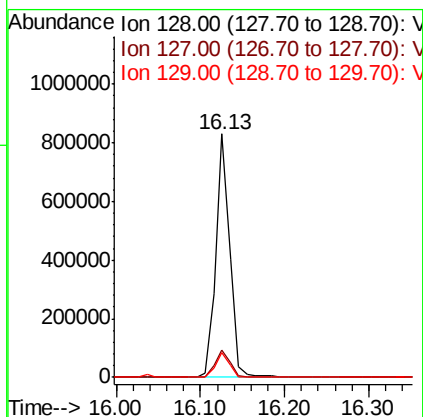
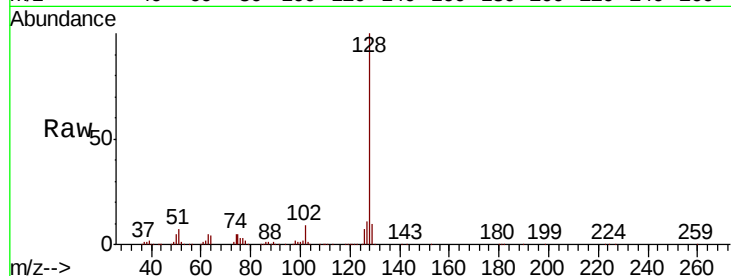




#95
Naphthalene
Concen: 48.158 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 952236
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.4
129 10.3 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 49.023 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063415.D
Acq: 7 Aug 2019 10:36

Tgt Ion:180 Resp: 541791
Ion Ratio Lower Upper
180 100
182 96.7 48.3 144.9
145 28.5 13.6 40.7

