

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063333.D
 Acq On : 3 Aug 2019 00:33
 Operator : VA/AP
 Sample : VD0802SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Quant Time: Aug 04 03:42:21 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	7.04	168	904705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1330445	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1102778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	613715	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	523955	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	6.92	113	569483	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.40	98	1207382	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	13.55	95	509266	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	217530	19.670	ug/l	93
3) Chloromethane	1.74	50	181627	21.139	ug/l	100
4) Vinyl Chloride	1.84	62	167476	18.829	ug/l	96
5) Bromomethane	2.14	94	80048	17.844	ug/l	93
6) Chloroethane	2.25	64	67493	16.435	ug/l #	72
7) Trichlorofluoromethane	2.52	101	342218	19.832	ug/l	100
8) Diethyl Ether	2.87	74	57203	23.687	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.14	101	197909	20.705	ug/l	97
10) Methyl Iodide	3.28	142	251089	18.184	ug/l	96
11) Tert butyl alcohol	4.07	59	51044	115.867	ug/l	98
12) 1,1-Dichloroethene	3.11	96	148153	21.113	ug/l	80
13) Acrolein	3.02	56	36694	86.547	ug/l	99
14) Allyl chloride	3.61	41	230810	20.647	ug/l	89
15) Acrylonitrile	4.19	53	139390	122.043	ug/l	99
16) Acetone	3.22	43	205996	105.320	ug/l	97
17) Carbon Disulfide	3.36	76	436031	18.564	ug/l #	93
18) Methyl Acetate	3.63	43	97285	25.895	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	355783	22.446	ug/l	98
20) Methylene Chloride	3.81	84	189192	23.930	ug/l #	94
21) trans-1,2-Dichloroethene	4.20	96	168305	21.376	ug/l	94
22) Diisopropyl ether	5.11	45	492974	22.073	ug/l	97
23) Vinyl Acetate	5.05	43	1545781	112.595	ug/l	99
24) 1,1-Dichloroethane	4.98	63	316362	22.176	ug/l	95
25) 2-Butanone	6.06	43	230863	117.612	ug/l	95
26) 2,2-Dichloropropane	6.01	77	271689	18.480	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	186286	22.067	ug/l	83
28) Bromochloromethane	6.43	49	139386	24.523	ug/l #	88
29) Tetrahydrofuran	6.45	42	114655	123.372	ug/l	98
30) Chloroform	6.65	83	406502	22.961	ug/l	98
31) Cyclohexane	6.95	56	159602	17.849	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	356524	20.820	ug/l	97
36) 1,1-Dichloropropene	7.13	75	231957	19.104	ug/l	96
37) Ethyl Acetate	6.18	43	118200	21.668	ug/l #	84
38) Carbon Tetrachloride	7.09	117	335944	18.378	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	189527	18.735	ug/l	96
40) Benzene	7.45	78	515064	20.240	ug/l	92
41) Methacrylonitrile	6.43	41	145531	22.303	ug/l #	80
42) 1,2-Dichloroethane	7.58	62	285844	21.195	ug/l	98
43) Isopropyl Acetate	9.23	43	158603	22.761	ug/l #	94
44) Trichloroethene	8.53	130	203763	19.761	ug/l	97
45) 1,2-Dichloropropane	8.93	63	132607	20.502	ug/l	100
46) Dibromomethane	9.05	93	117888	21.920	ug/l	87
47) Bromodichloromethane	9.37	83	297457	21.697	ug/l	93
48) Methyl methacrylate	9.11	41	90766	20.084	ug/l	98
49) 1,4-Dioxane	9.08	88	19423	505.318	ug/l #	90
51) 4-Methyl-2-Pentanone	10.29	43	526952	111.198	ug/l	99
52) Toluene	10.50	92	358856	21.203	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	245906	20.805	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	256180	20.623	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	131222	22.956	ug/l	95
56) Ethyl methacrylate	11.04	69	142823	22.818	ug/l	94
57) 1,3-Dichloropropane	11.40	76	179759	19.959	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.85	63	393918	120.945	ug/l	100
59) 2-Hexanone	11.52	43	358677	105.029	ug/l	96
60) Dibromochloromethane	11.68	129	231412	21.445	ug/l	100
61) 1,2-Dibromoethane	11.80	107	162252	23.003	ug/l	96
64) Tetrachloroethene	11.25	164	182207	20.740	ug/l	92
65) Chlorobenzene	12.39	112	437392	20.621	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	202459	21.669	ug/l	92
67) Ethyl Benzene	12.52	91	770198	21.375	ug/l	98
68) m/p-Xylenes	12.67	106	533513	40.373	ug/l	94
69) o-Xylene	13.04	106	252039	20.770	ug/l	91
70) Styrene	13.07	104	454224	21.107	ug/l	98
71) Bromoform	13.23	173	153930	22.654	ug/l #	99
73) Isopropylbenzene	13.39	105	741958	19.262	ug/l	100
74) N-amyl acetate	13.26	43	206182	20.248	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	147070	22.478	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	155606	21.109	ug/l	97
77) Bromobenzene	13.66	156	227414	20.725	ug/l	96
78) n-propylbenzene	13.77	91	896559	19.559	ug/l	100
79) 2-Chlorotoluene	13.84	91	525160	19.773	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	692679	20.850	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	37949	18.540	ug/l	94
82) 4-Chlorotoluene	13.95	91	670229	21.442	ug/l	98
83) tert-Butylbenzene	14.18	119	716906	18.899	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	668055	19.441	ug/l	100
85) sec-Butylbenzene	14.36	105	772455	19.328	ug/l	98
86) p-Isopropyltoluene	14.49	119	738827	19.369	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	402586	20.718	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	399360	20.324	ug/l	95
89) n-Butylbenzene	14.79	91	644715	19.569	ug/l	96
90) Hexachloroethane	15.00	117	185970	18.713	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	337026	19.906	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26527	19.904	ug/l	92

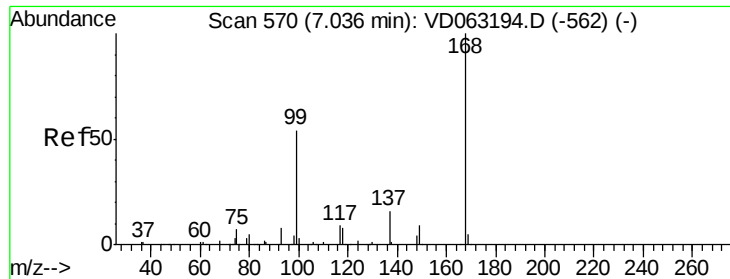
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
Data File : VD063333.D
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	237661	17.695	ug/l	95
94) Hexachlorobutadiene	16.03	225	183216	18.824	ug/l	97
95) Naphthalene	16.12	128	388680	20.474	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	211853	19.966	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

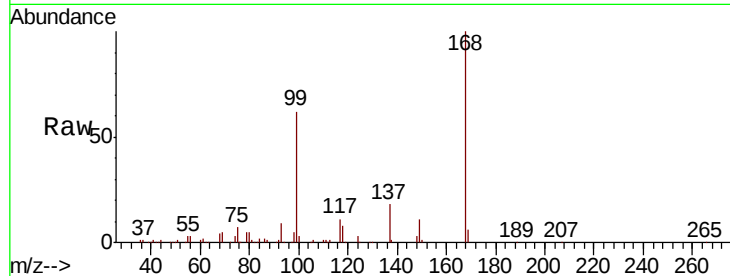
VD0802SBS02

Tgt Ion:168 Resp: 904705

Ion Ratio Lower Upper

168 100

99 62.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

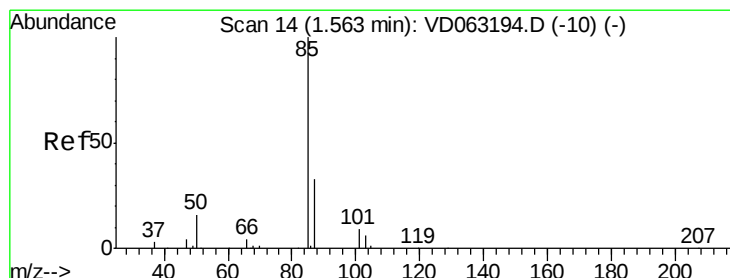
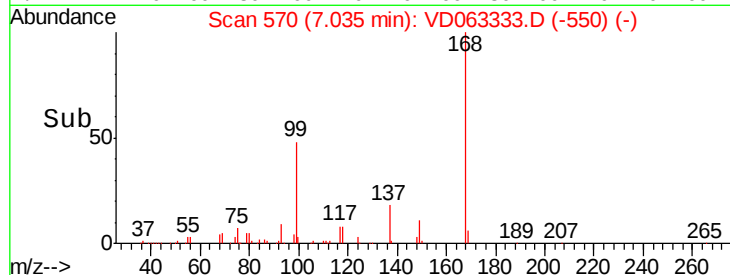
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.670 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063333.D

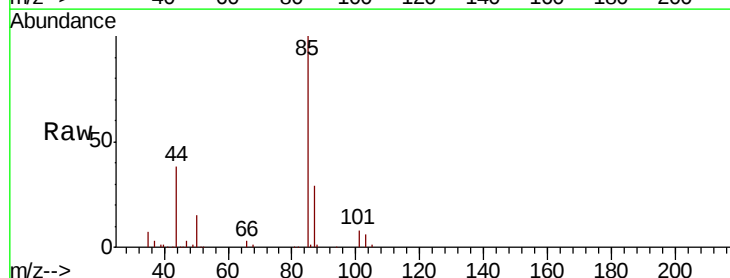
Acq: 3 Aug 2019 00:33

Tgt Ion: 85 Resp: 217530

Ion Ratio Lower Upper

85 100

87 29.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

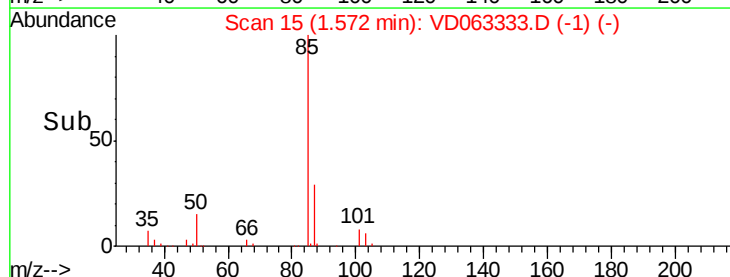
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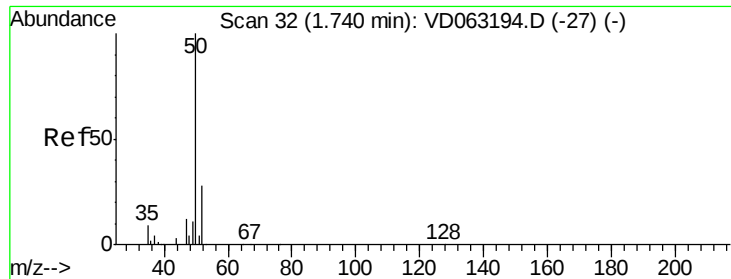
40000

20000

0

Time-->





#3

Chloromethane

Concen: 21.139 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

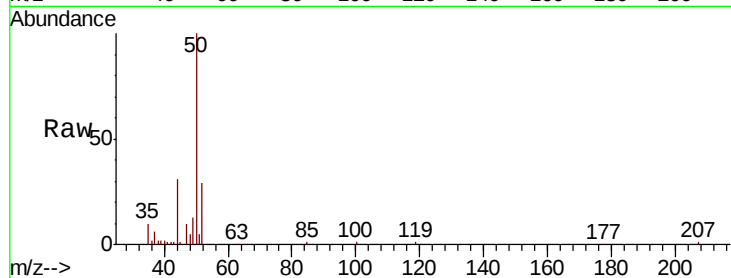
VD0802SBS02

Tgt Ion: 50 Resp: 181627

Ion Ratio Lower Upper

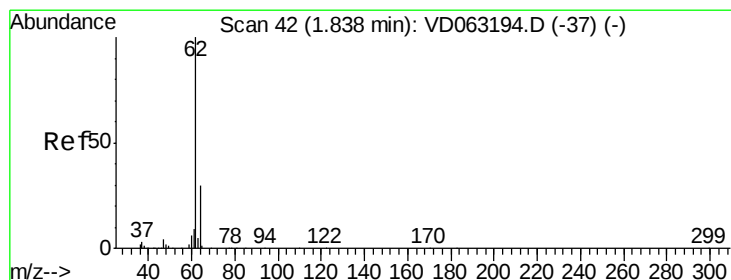
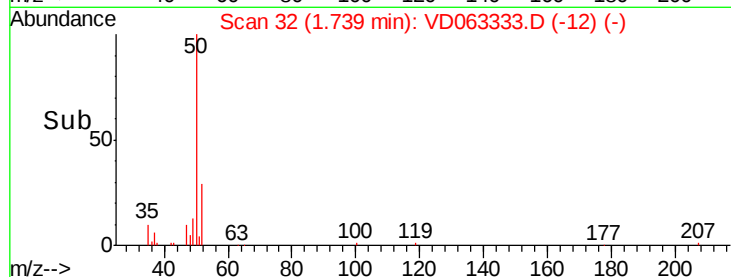
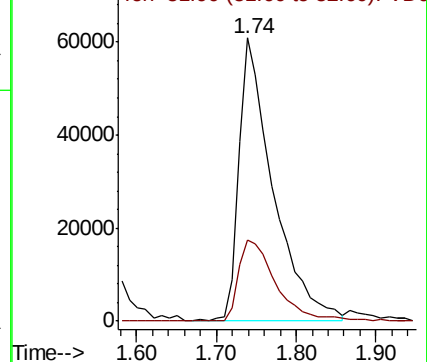
50 100

52 28.5 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.829 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063333.D

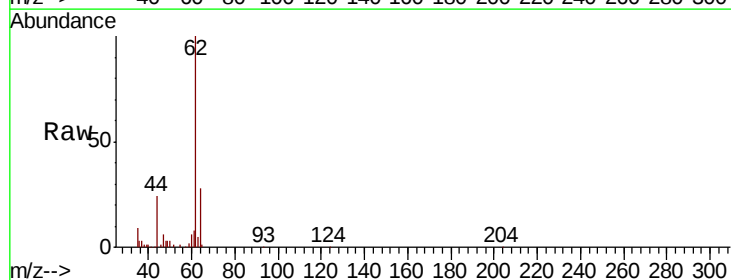
Acq: 3 Aug 2019 00:33

Tgt Ion: 62 Resp: 167476

Ion Ratio Lower Upper

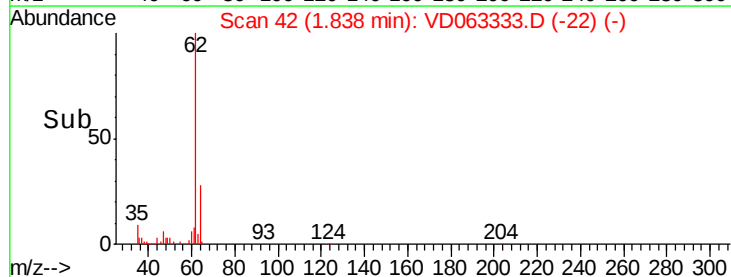
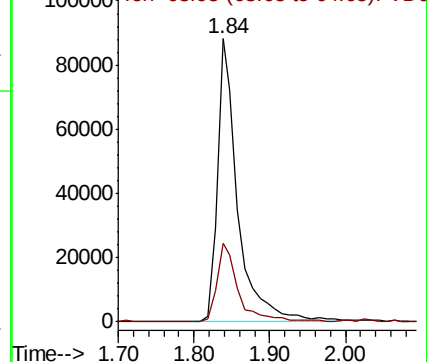
62 100

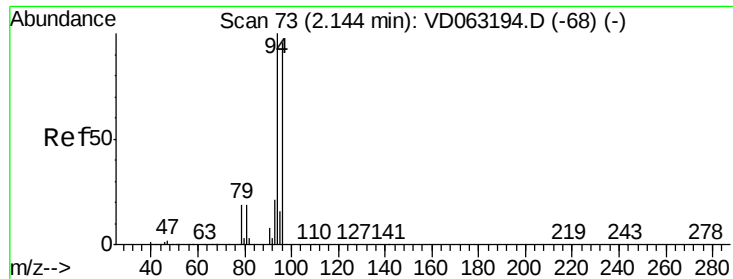
64 27.8 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.844 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

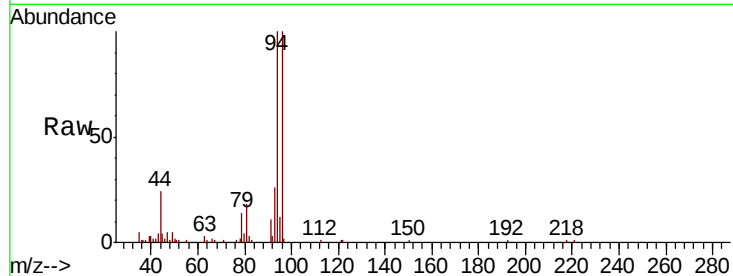
Tgt Ion: 94 Resp: 80048

Ion Ratio Lower Upper

94 100

96 101.8 76.4 114.6

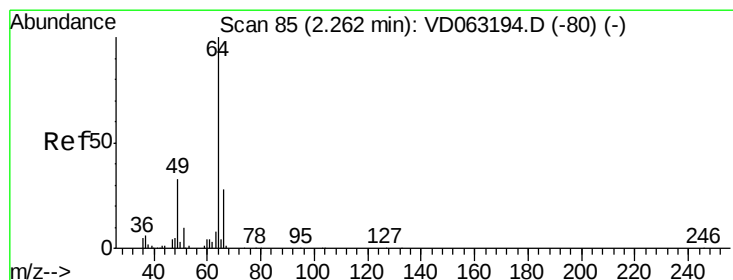
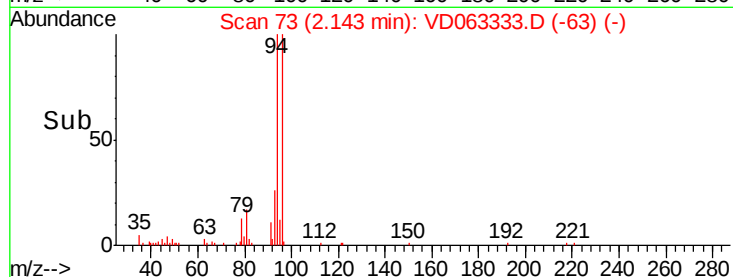
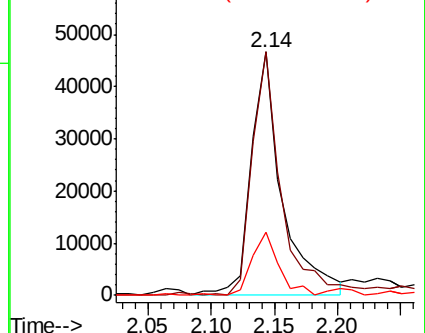
93 25.9 17.3 25.9



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: 16.435 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063333.D

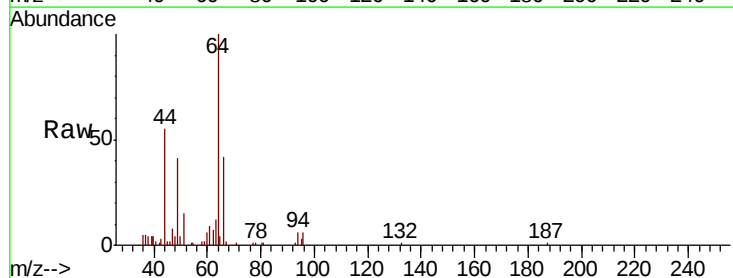
Acq: 3 Aug 2019 00:33

Tgt Ion: 64 Resp: 67493

Ion Ratio Lower Upper

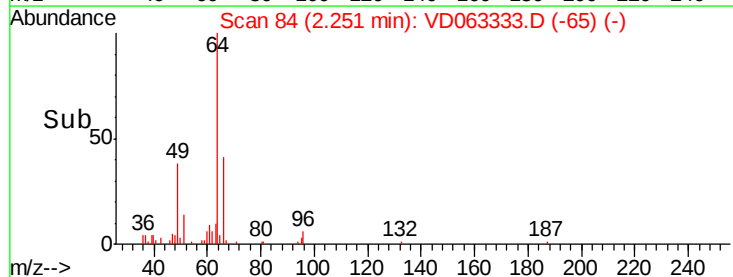
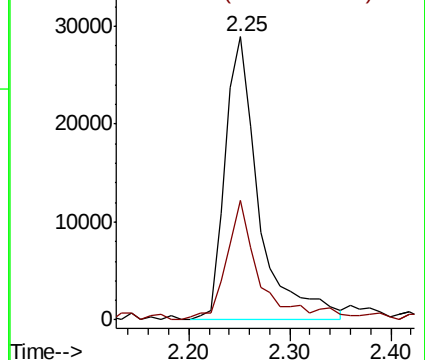
64 100

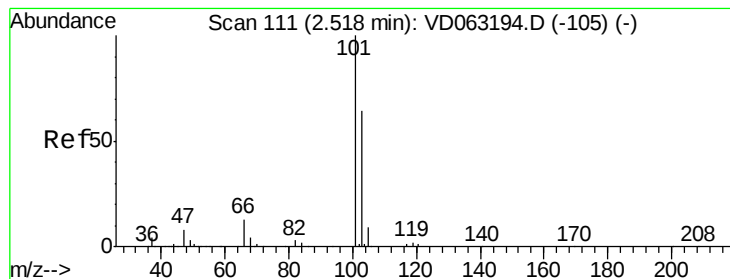
66 42.3 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



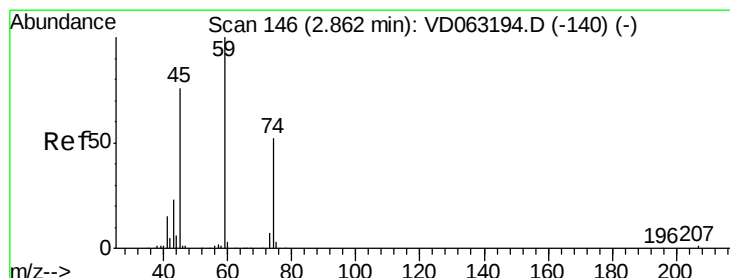
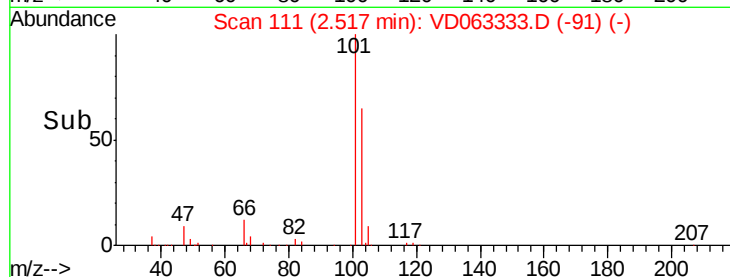
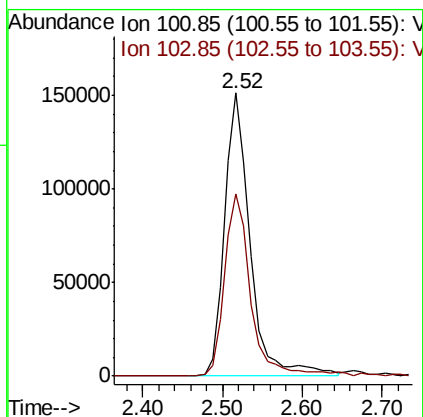
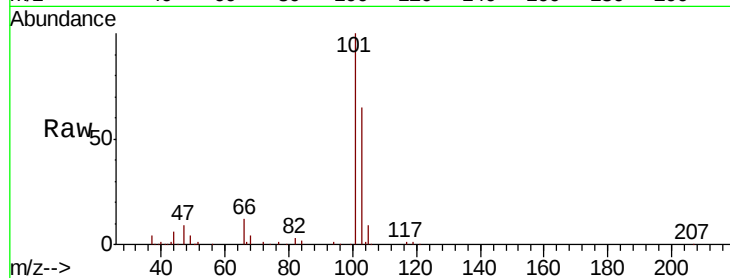


#7

Trichlorofluoromethane
 Concen: 19.832 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
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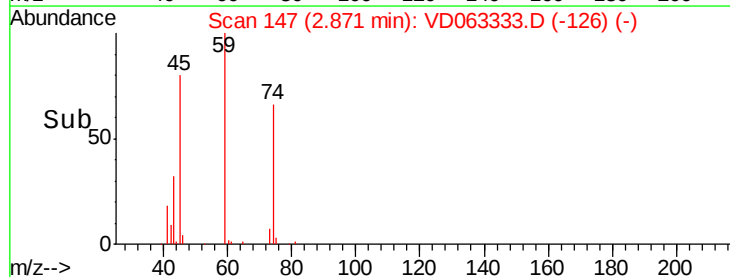
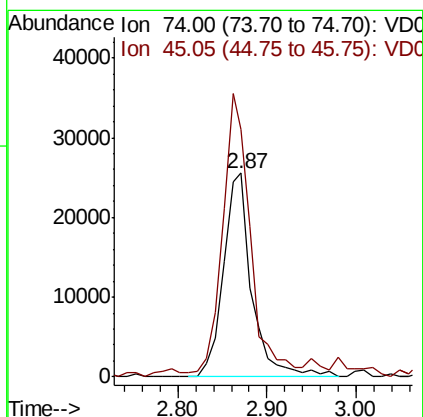
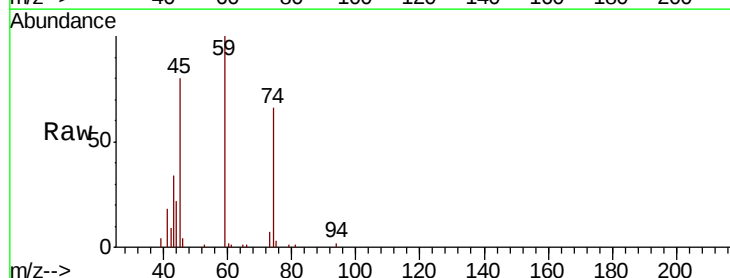
Tgt Ion:101 Resp: 342218
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.5 77.3

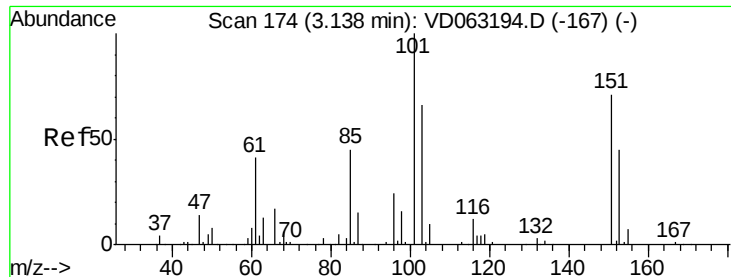


#8

Diethyl Ether
 Concen: 23.687 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 74 Resp: 57203
 Ion Ratio Lower Upper
 74 100
 45 121.4 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.705 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

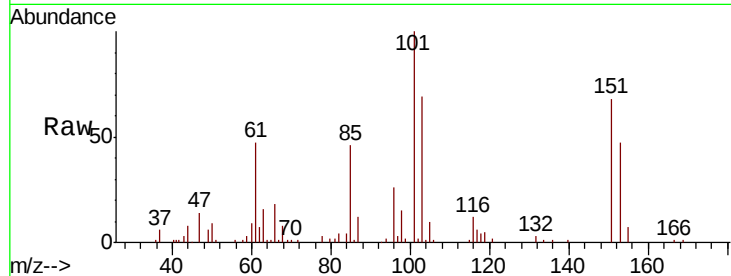
Tgt Ion:101 Resp: 197909

Ion Ratio Lower Upper

101 100

85 46.4 36.1 54.1

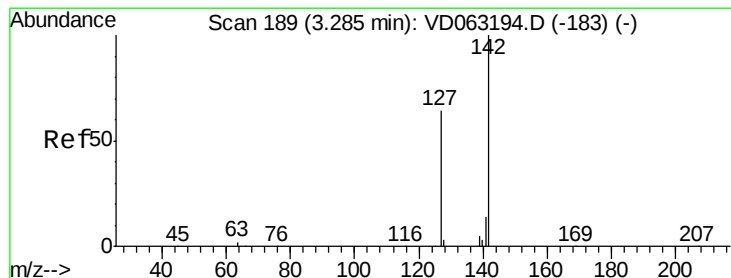
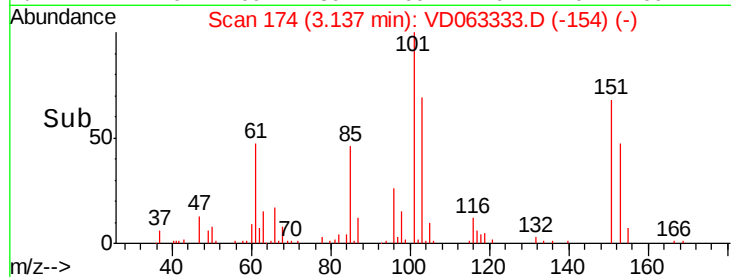
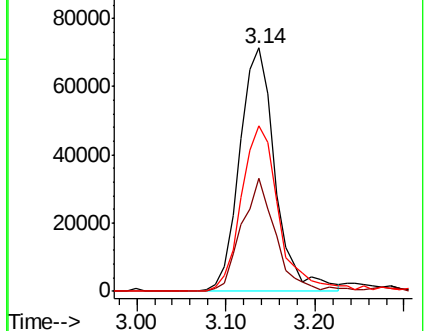
151 68.0 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.184 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

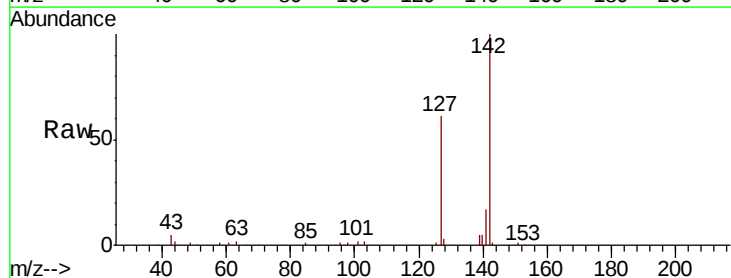
Tgt Ion:142 Resp: 251089

Ion Ratio Lower Upper

142 100

127 60.9 50.8 76.2

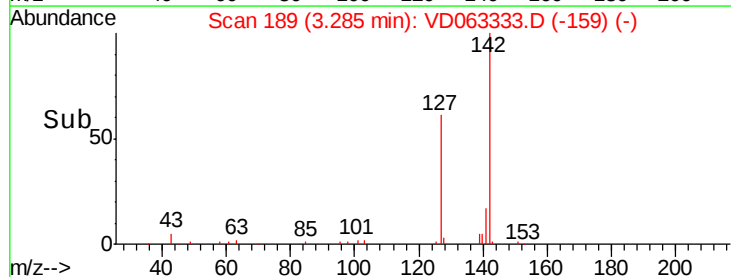
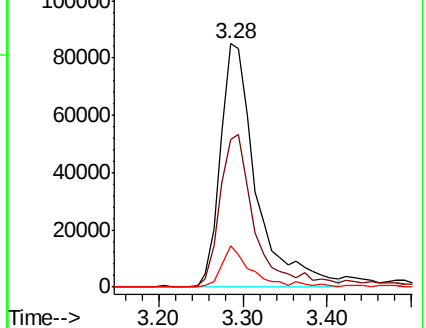
141 17.0 11.4 17.2

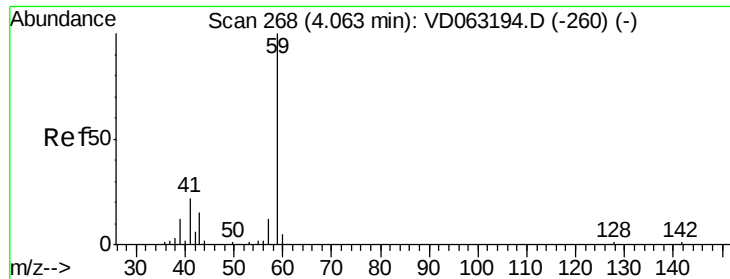


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

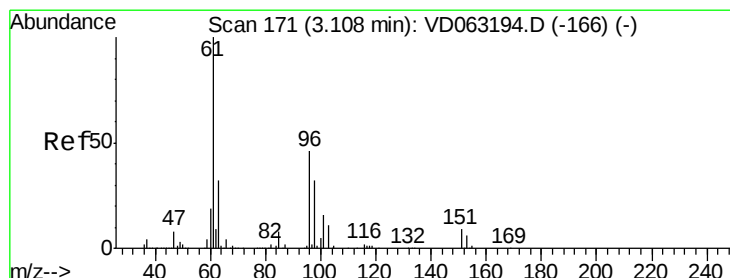
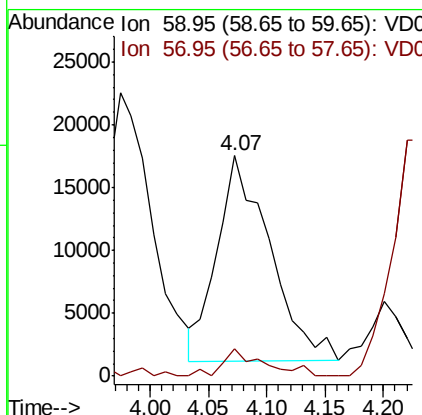
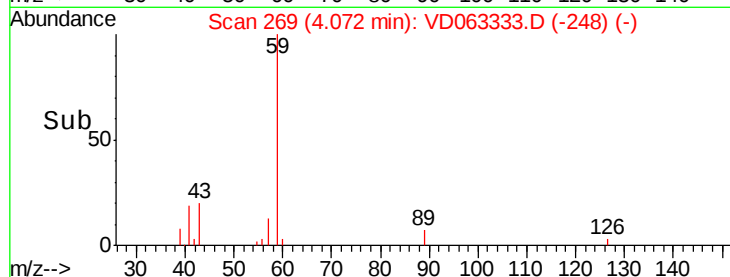
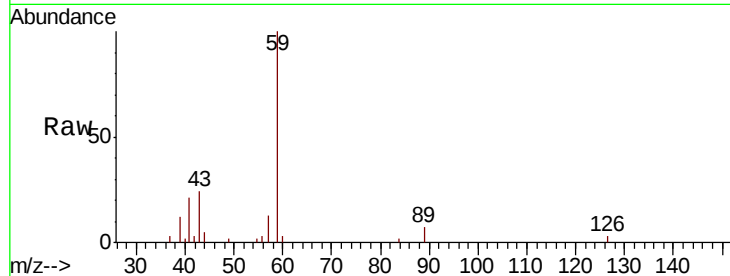




#11
Tert butyl alcohol
Concen: 115.867 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

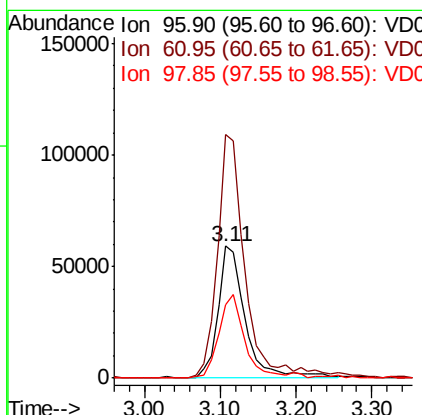
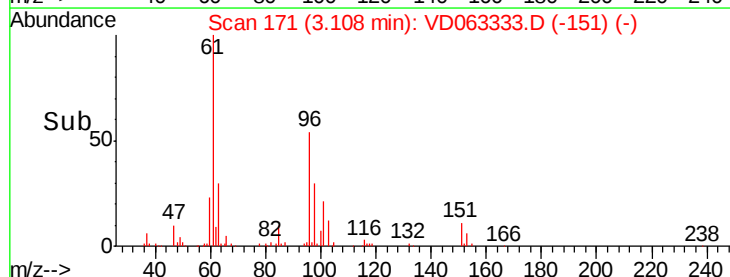
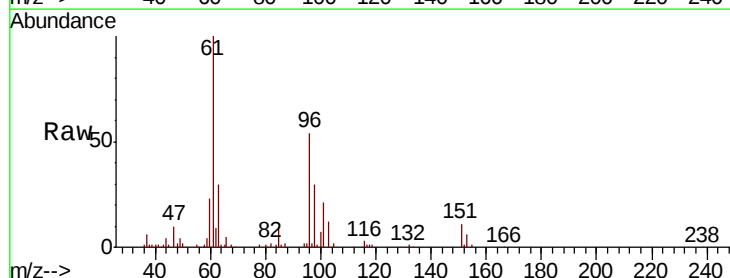
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

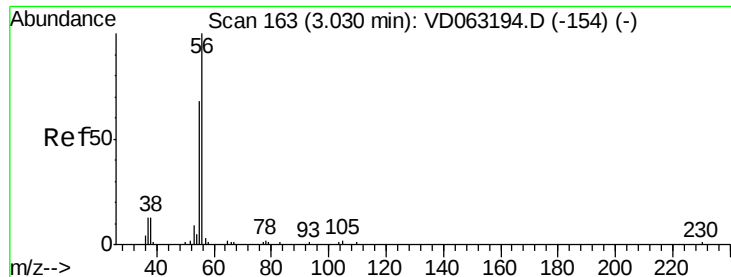
Tgt Ion: 59 Resp: 51044
Ion Ratio Lower Upper
59 100
57 12.7 9.6 14.4



#12
1,1-Dichloroethene
Concen: 21.113 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion: 96 Resp: 148153
Ion Ratio Lower Upper
96 100
61 184.6 173.7 260.5
98 56.0 55.8 83.8





#13

Acrolein

Concen: 86.547 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

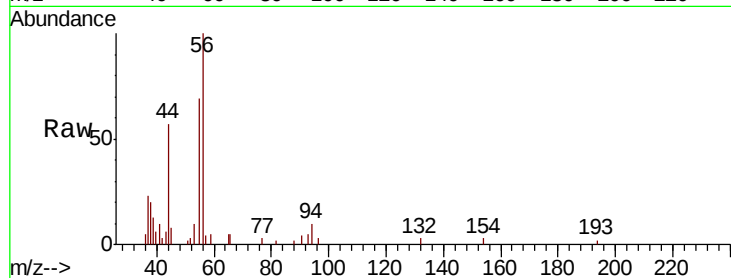
VD0802SBS02

Tgt Ion: 56 Resp: 36694

Ion Ratio Lower Upper

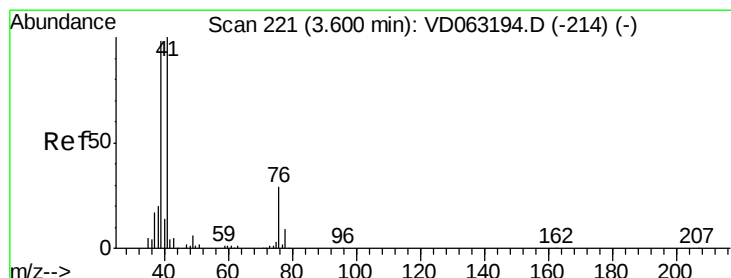
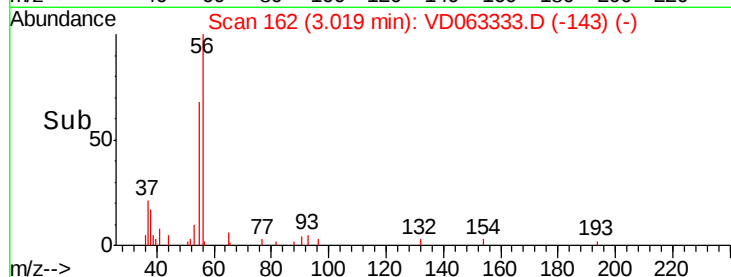
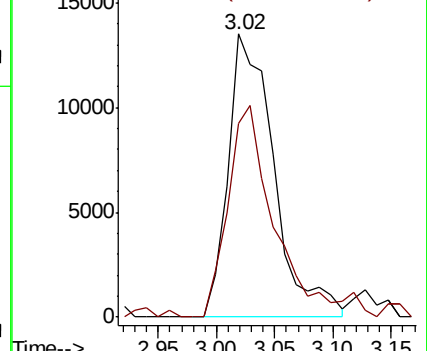
56 100

55 68.5 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.647 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

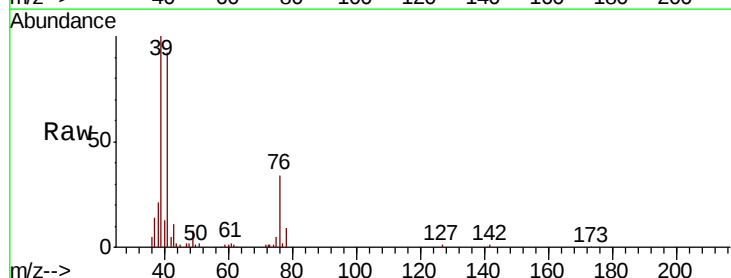
Tgt Ion: 41 Resp: 230810

Ion Ratio Lower Upper

41 100

39 109.0 78.6 117.8

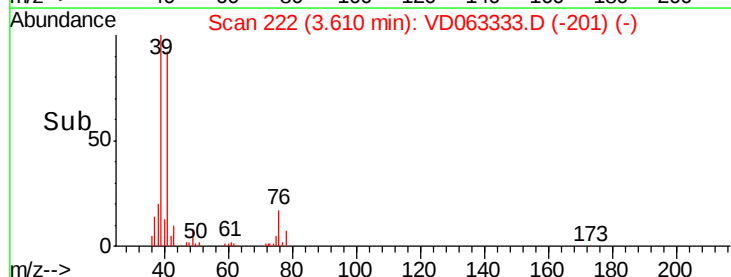
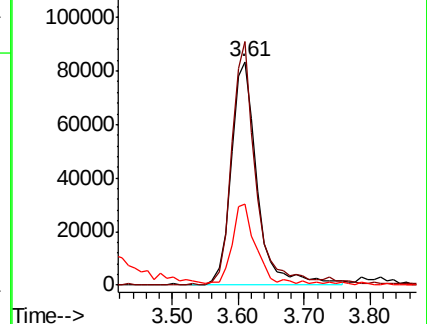
76 36.5 24.5 36.7

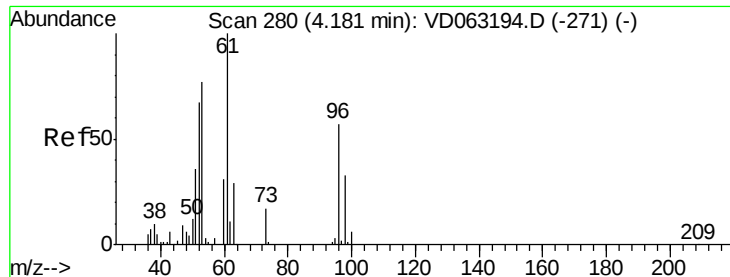


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 122.043 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

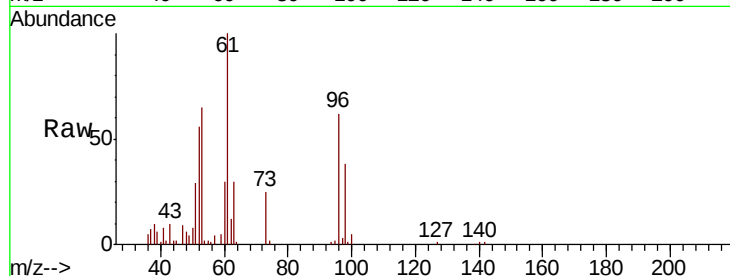
Tgt Ion: 53 Resp: 139390

Ion Ratio Lower Upper

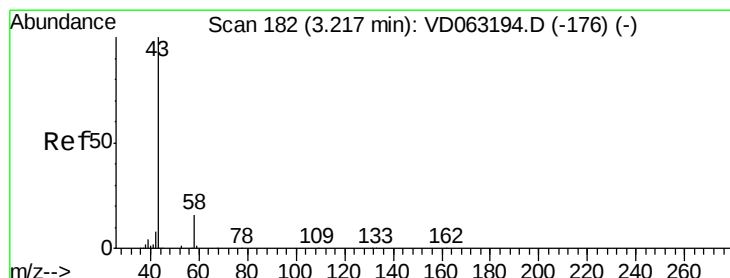
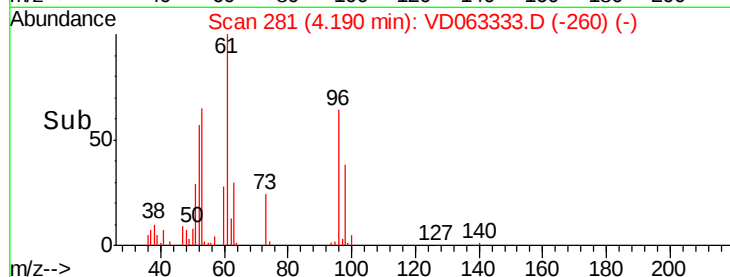
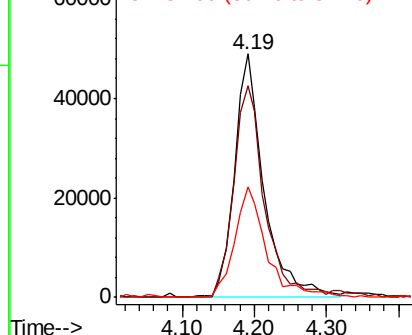
53 100

52 86.7 69.7 104.5

51 45.4 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: 105.320 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063333.D

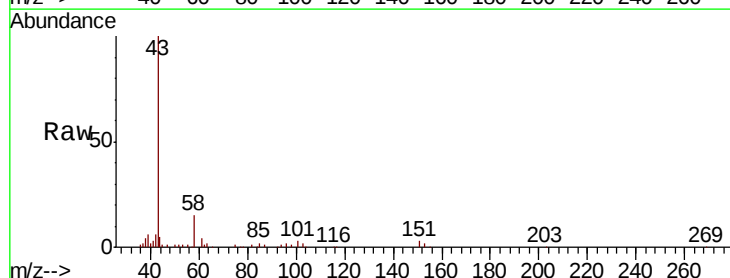
Acq: 3 Aug 2019 00:33

Tgt Ion: 43 Resp: 205996

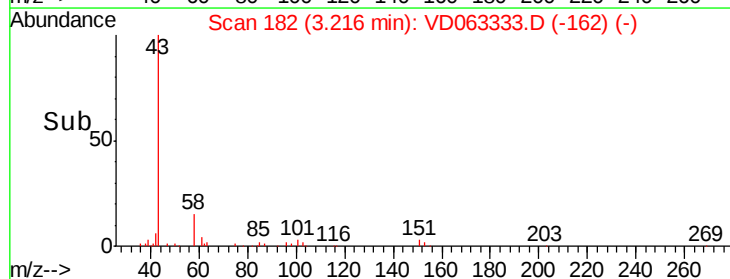
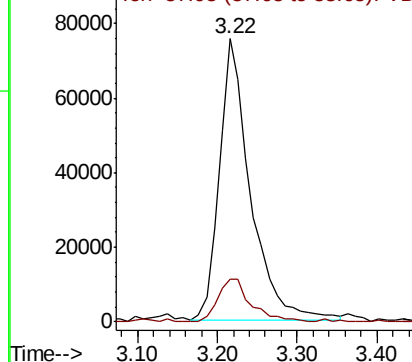
Ion Ratio Lower Upper

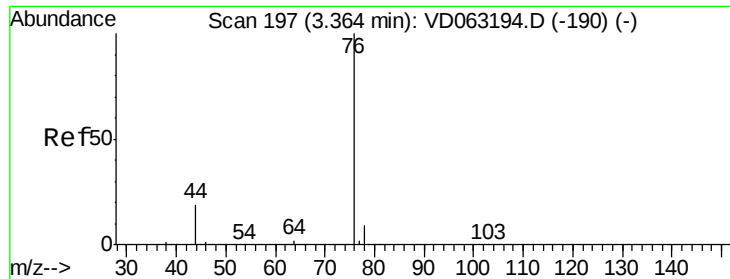
43 100

58 15.1 13.0 19.4



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

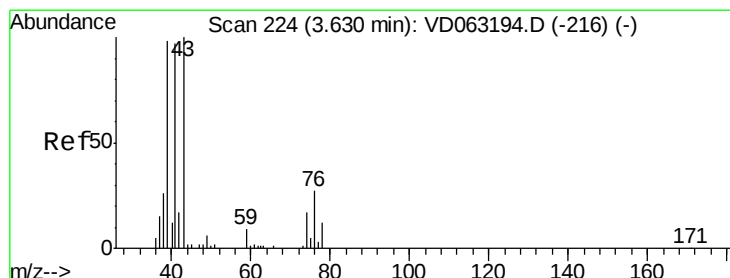
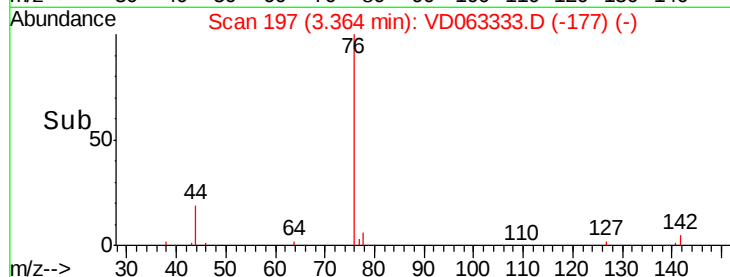
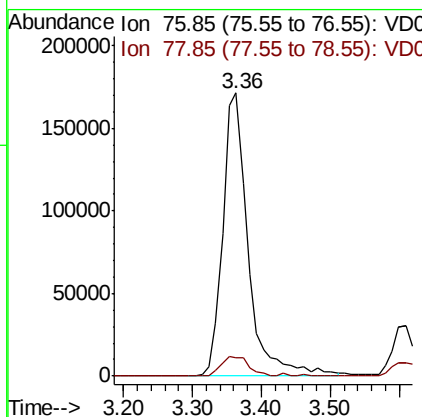
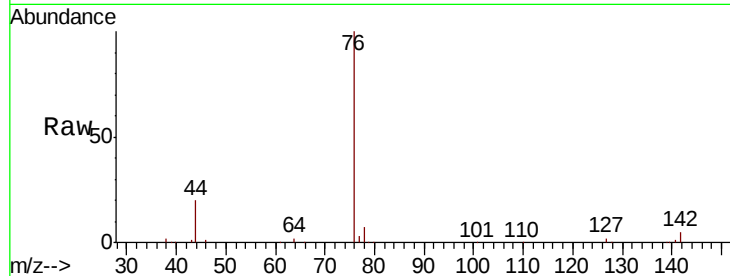




#17
Carbon Disulfide
Concen: 18.564 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

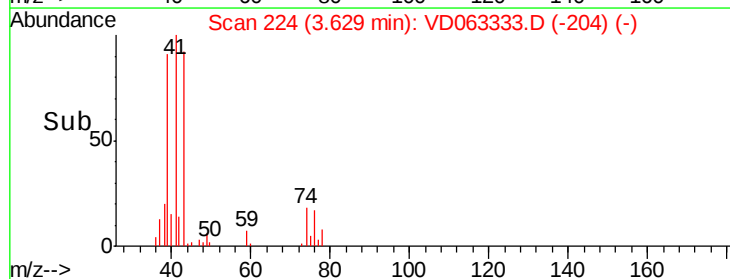
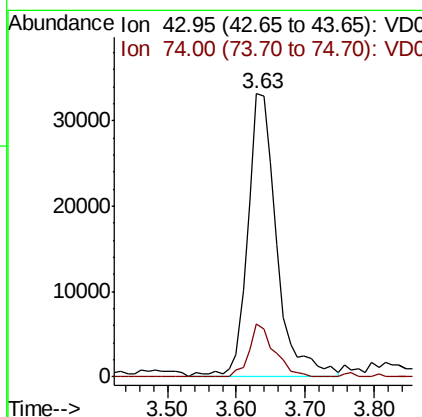
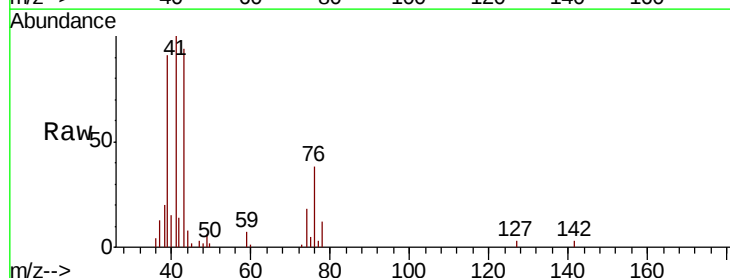
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

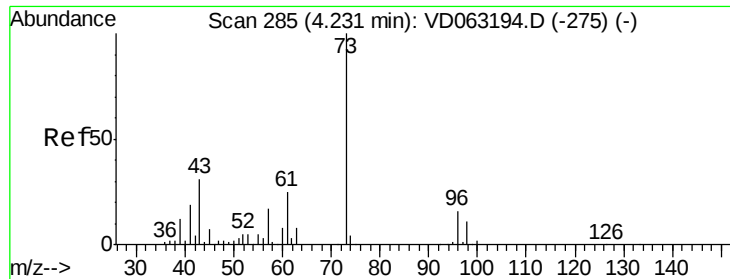
Tgt Ion: 76 Resp: 436031
Ion Ratio Lower Upper
76 100
78 6.7 7.4 11.2#



#18
Methyl Acetate
Concen: 25.895 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion: 43 Resp: 97285
Ion Ratio Lower Upper
43 100
74 18.7 13.8 20.8





#19

Methyl tert-butyl Ether

Concen: 22.446 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

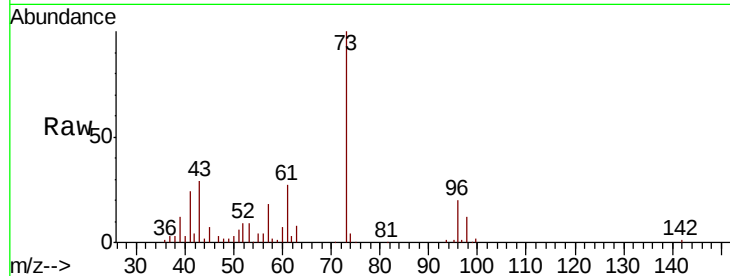
VD0802SBS02

Tgt Ion: 73 Resp: 355783

Ion Ratio Lower Upper

73 100

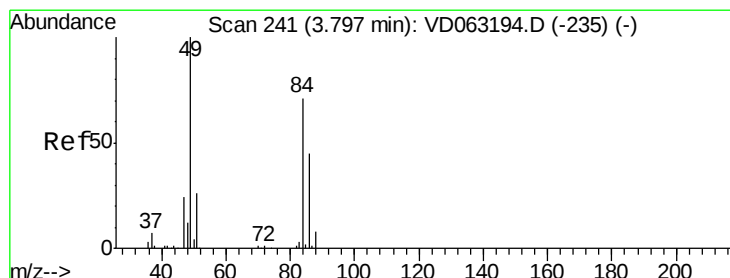
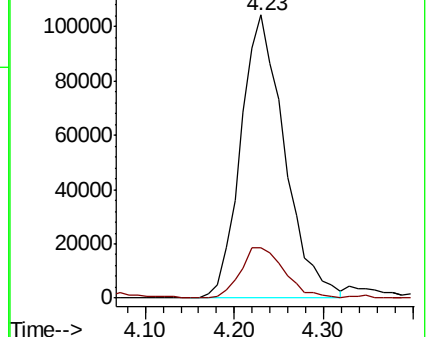
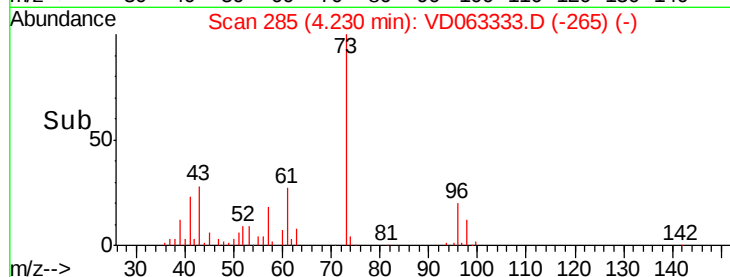
57 18.0 13.8 20.6



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.23



#20

Methylene Chloride

Concen: 23.930 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Tgt Ion: 84 Resp: 189192

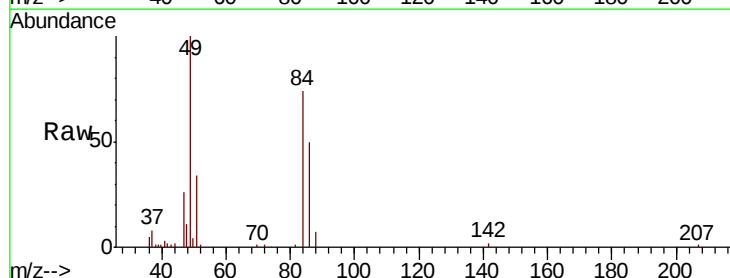
Ion Ratio Lower Upper

84 100

49 134.9 112.5 168.7

51 46.2 29.6 44.4#

86 67.0 50.4 75.6

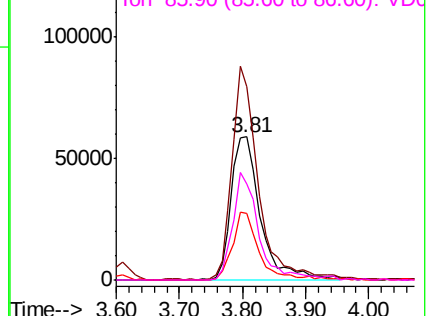
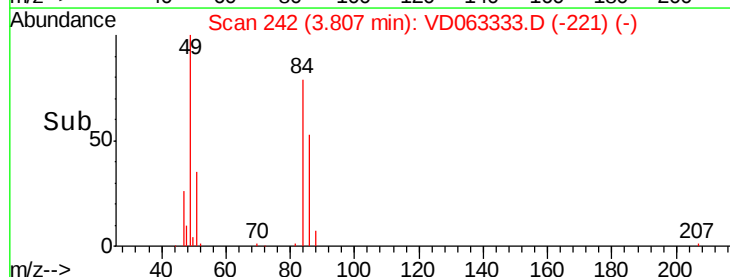


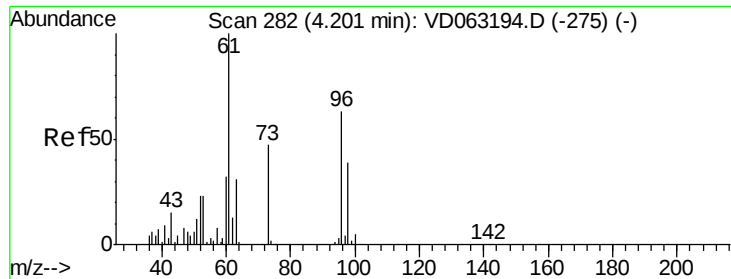
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 21.376 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

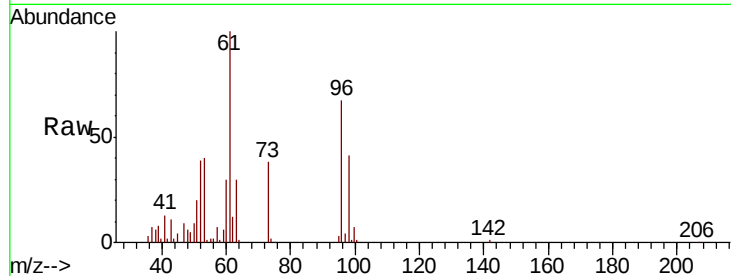
Tgt Ion: 96 Resp: 168305

Ion Ratio Lower Upper

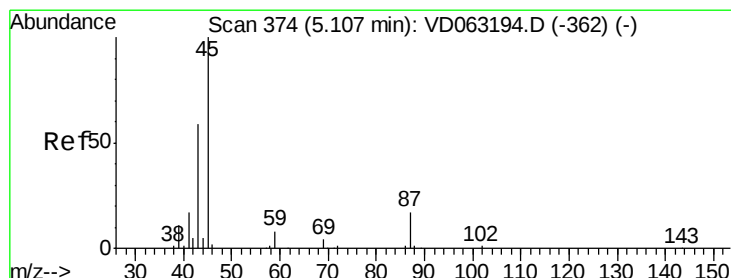
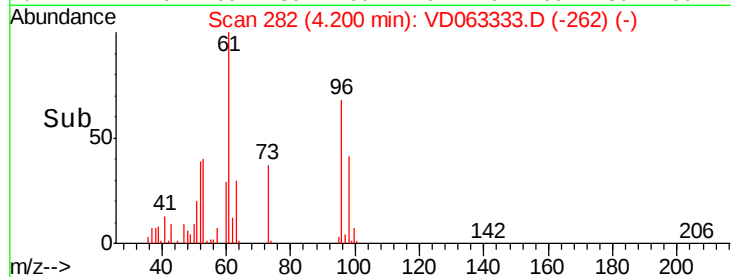
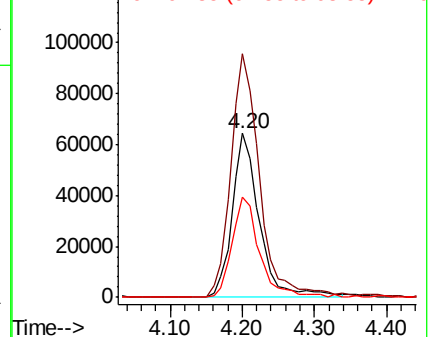
96 100

61 148.5 127.4 191.2

98 61.1 49.3 73.9



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



#22

Diisopropyl ether

Concen: 22.073 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Tgt Ion: 45 Resp: 492974

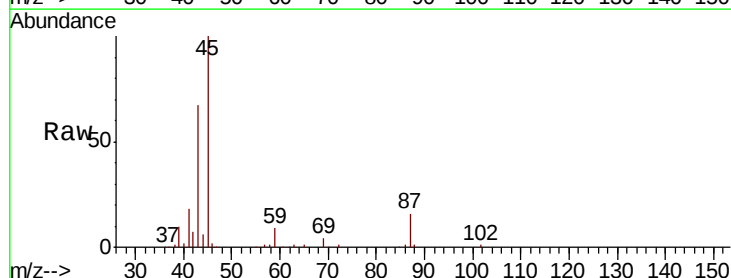
Ion Ratio Lower Upper

45 100

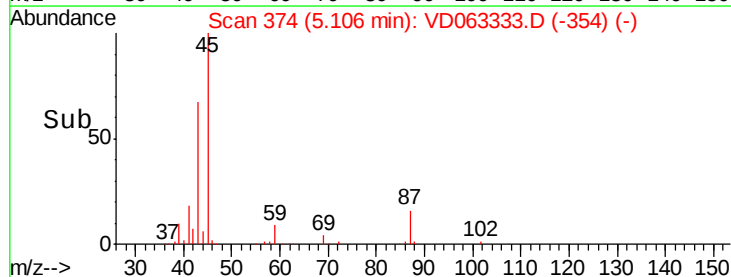
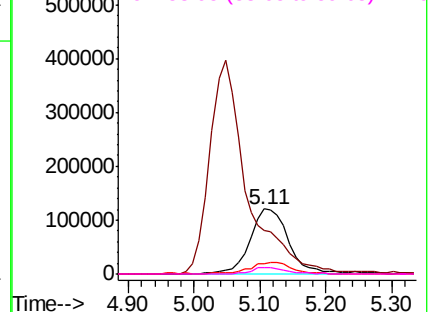
43 66.5 51.7 77.5

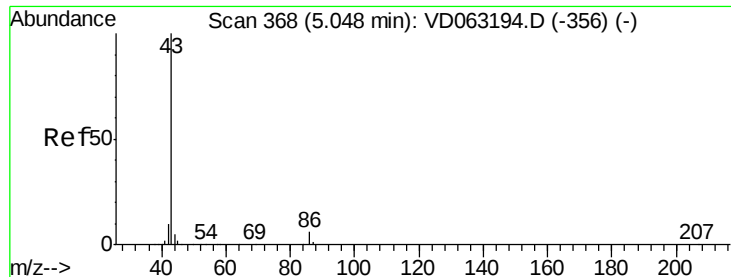
87 16.4 14.6 21.8

59 9.1 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

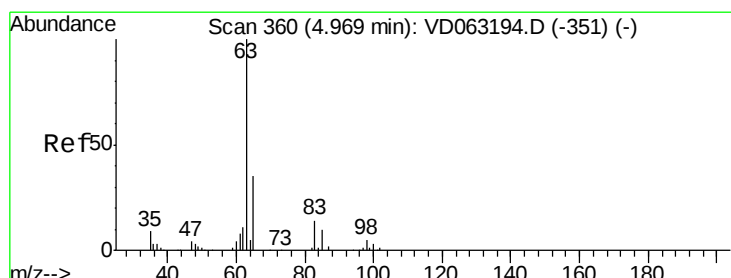
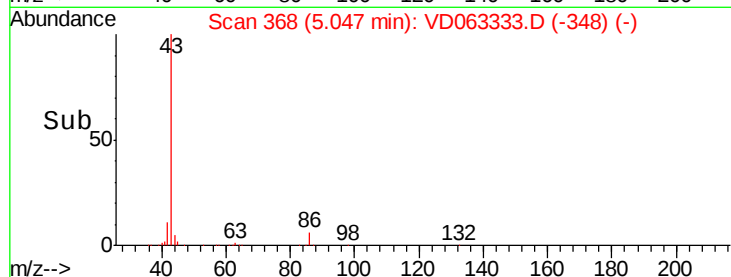
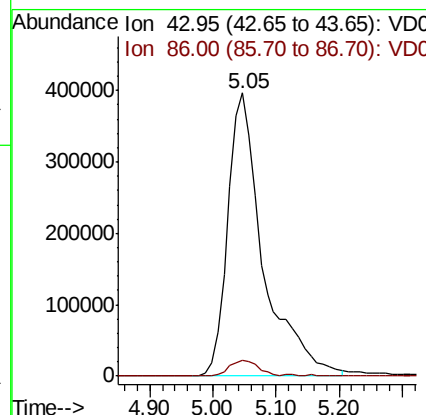
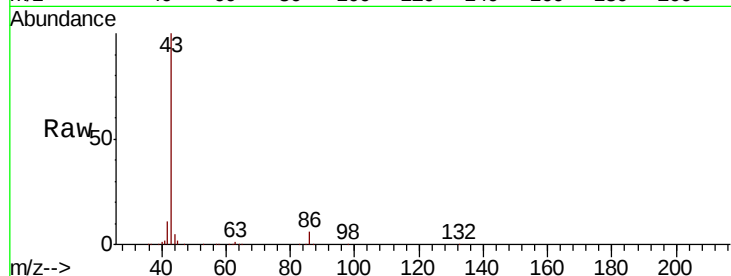




#23
 Vinyl Acetate
 Concen: 112.595 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

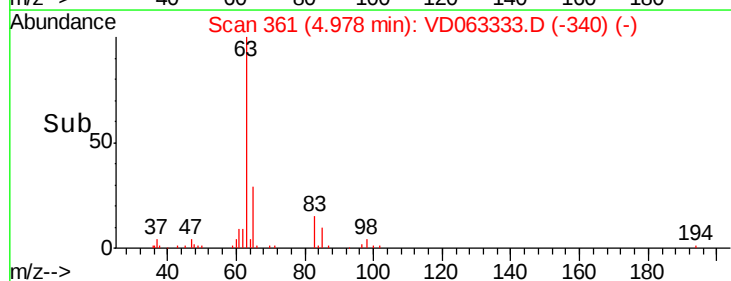
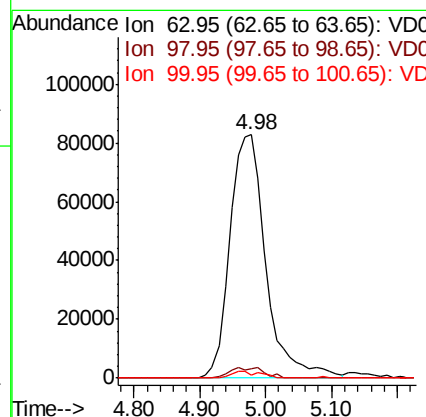
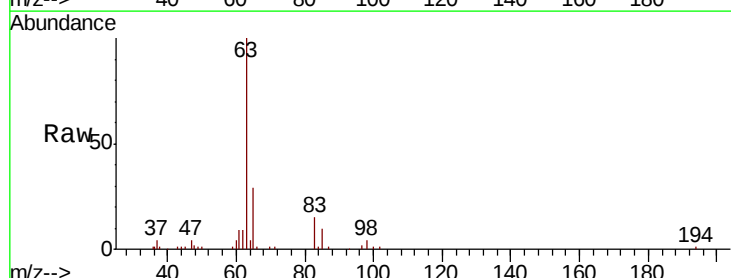
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

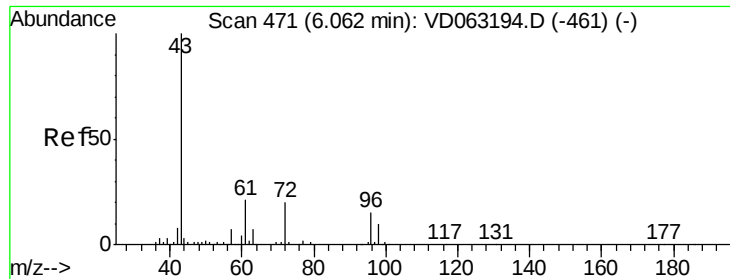
Tgt Ion: 43 Resp: 1545781
 Ion Ratio Lower Upper
 43 100
 86 5.7 4.9 7.3



#24
 1,1-Dichloroethane
 Concen: 22.176 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 63 Resp: 316362
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.8 8.4
 100 1.5 1.3 3.9





#25

2-Butanone

Concen: 117.612 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

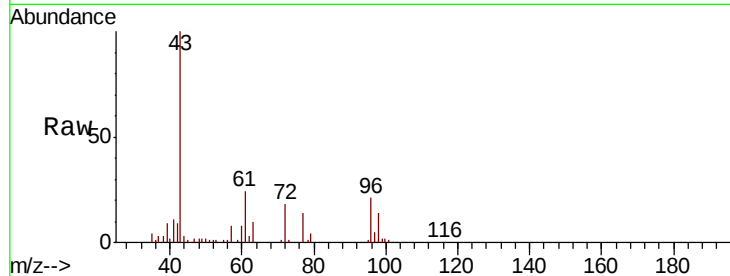
VD0802SBS02

Tgt Ion: 43 Resp: 230863

Ion Ratio Lower Upper

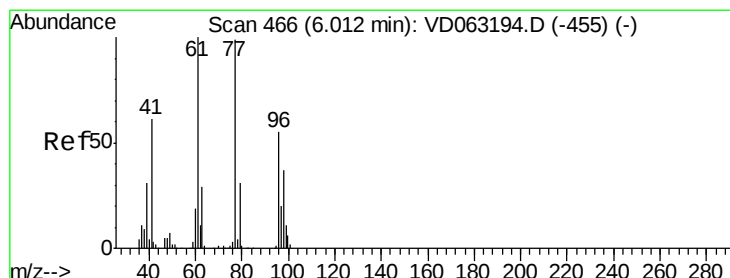
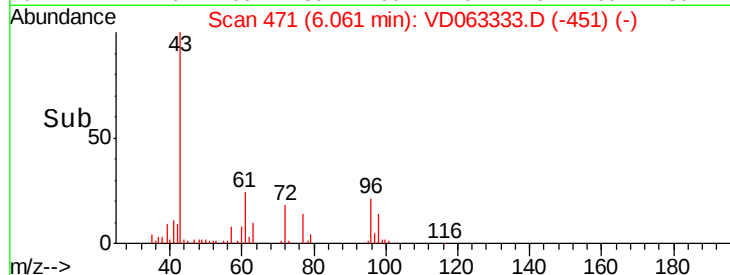
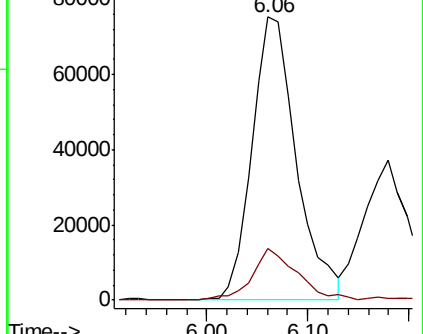
43 100

72 18.3 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: 18.480 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063333.D

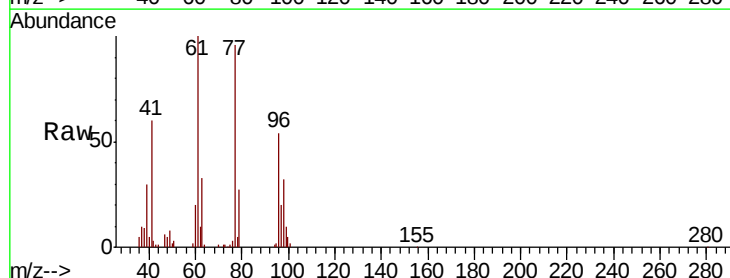
Acq: 3 Aug 2019 00:33

Tgt Ion: 77 Resp: 271689

Ion Ratio Lower Upper

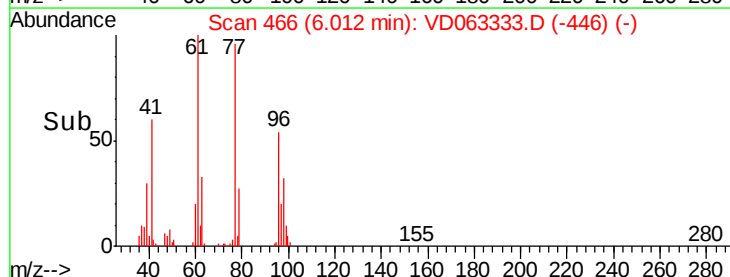
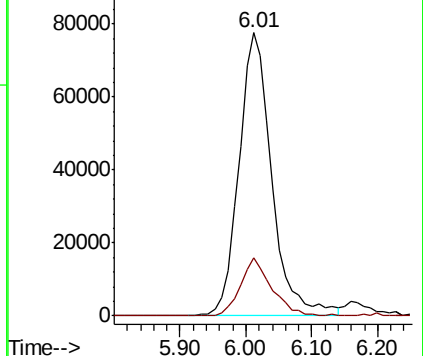
77 100

97 20.7 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



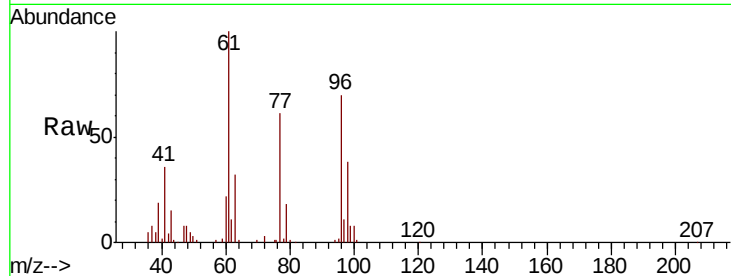


#27

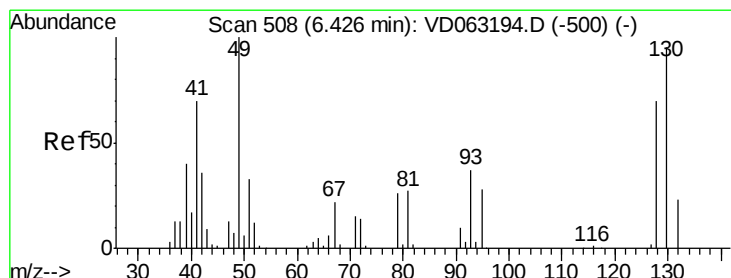
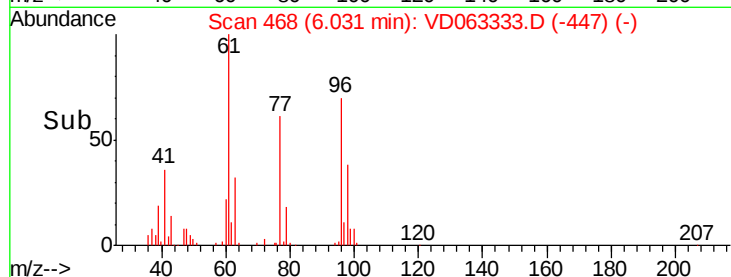
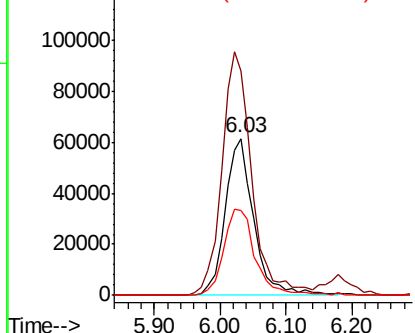
cis-1,2-Dichloroethene
 Concen: 22.067 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion: 96 Resp: 186286
 Ion Ratio Lower Upper
 96 100
 61 143.2 0.0 337.2
 98 53.9 0.0 130.6



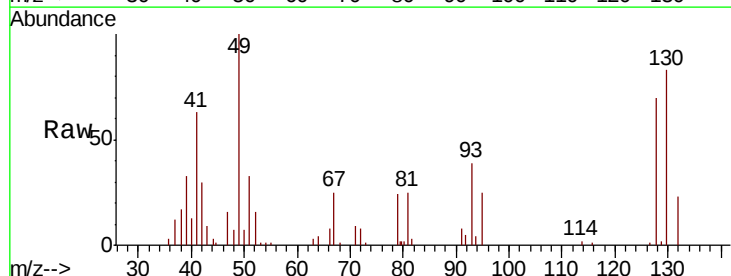
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



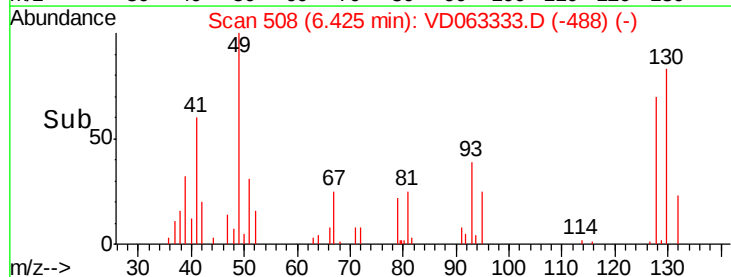
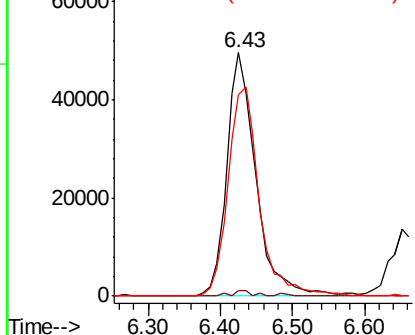
#28

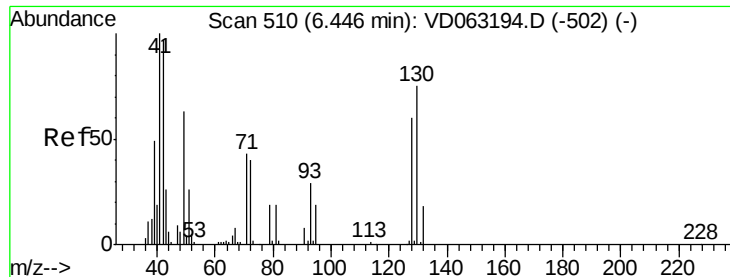
Bromochloromethane
 Concen: 24.523 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 49 Resp: 139386
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 0.0#
 130 82.7 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: 123.372 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

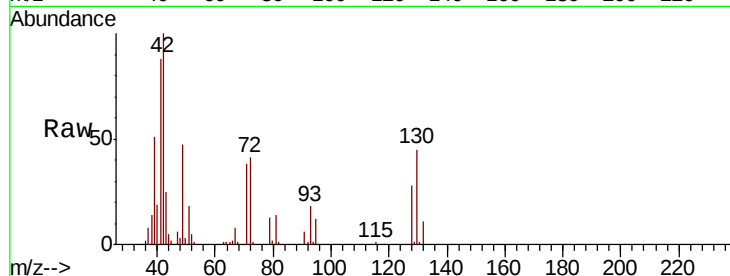
Tgt Ion: 42 Resp: 114655

Ion Ratio Lower Upper

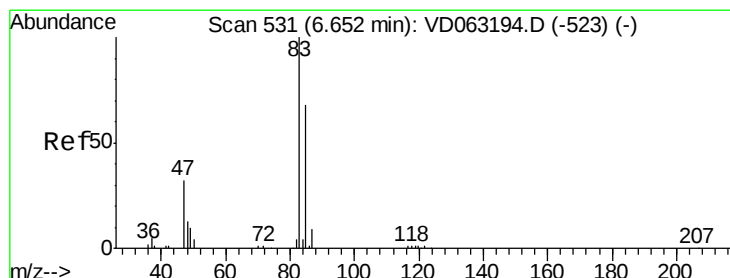
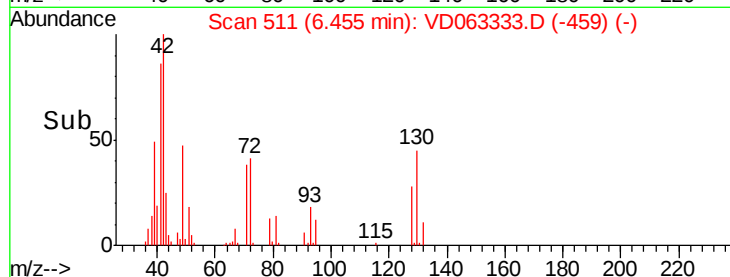
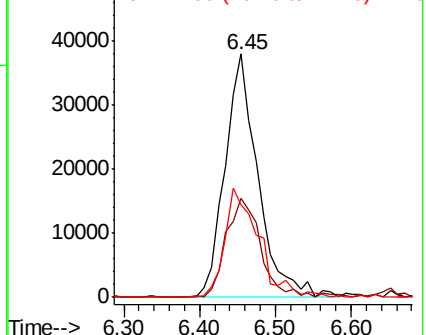
42 100

72 42.3 33.4 50.2

71 46.3 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: 22.961 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063333.D

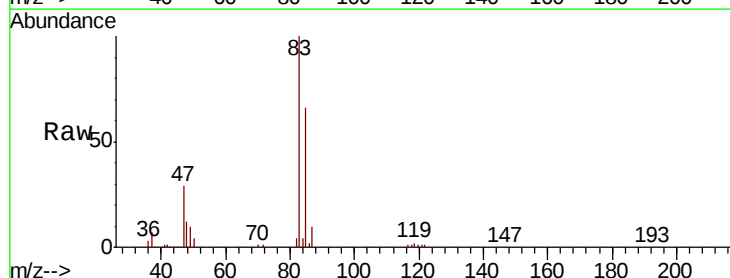
Acq: 3 Aug 2019 00:33

Tgt Ion: 83 Resp: 406502

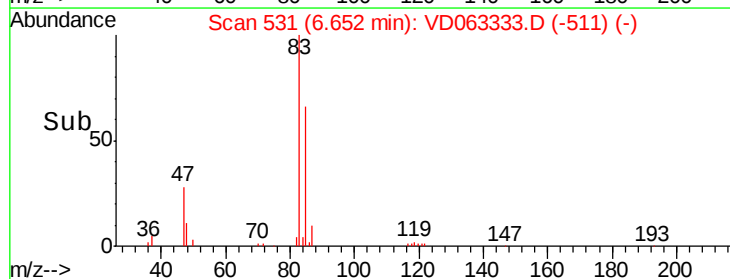
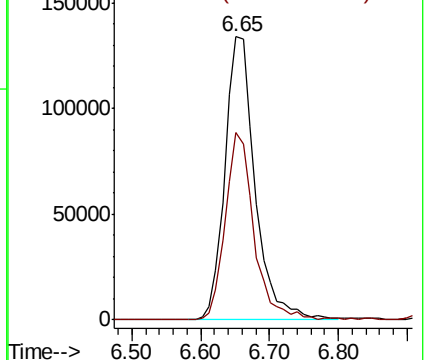
Ion Ratio Lower Upper

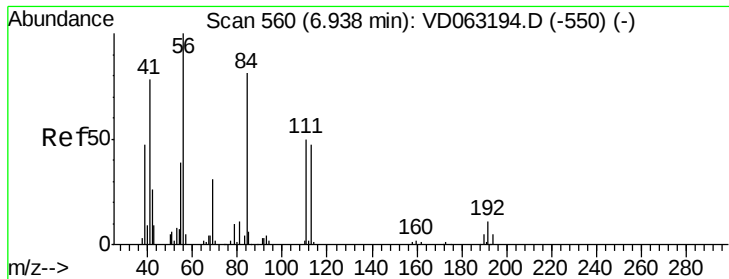
83 100

85 66.0 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

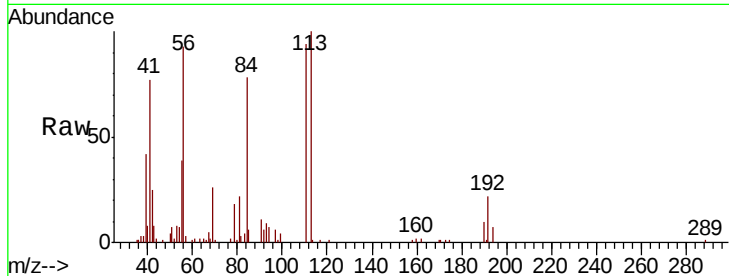




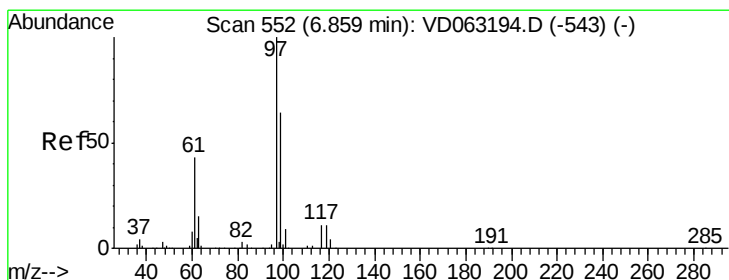
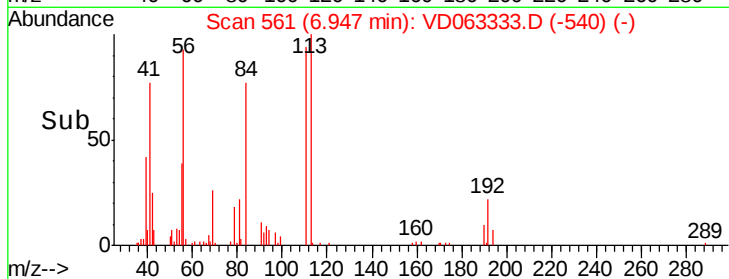
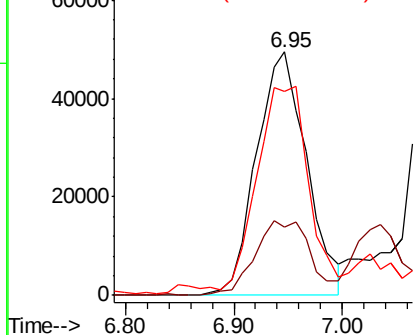
#31
Cyclohexane
Concen: 17.849 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion: 56 Resp: 159602
Ion Ratio Lower Upper
56 100
69 28.1 24.5 36.7
84 83.5 64.9 97.3

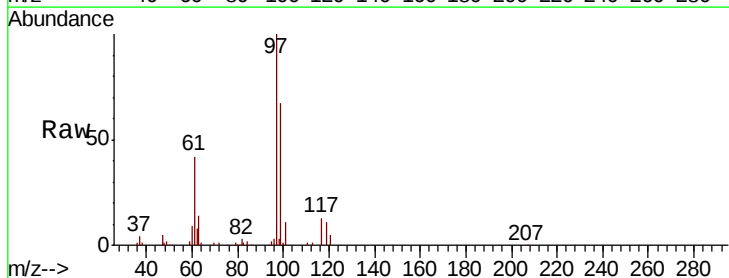


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

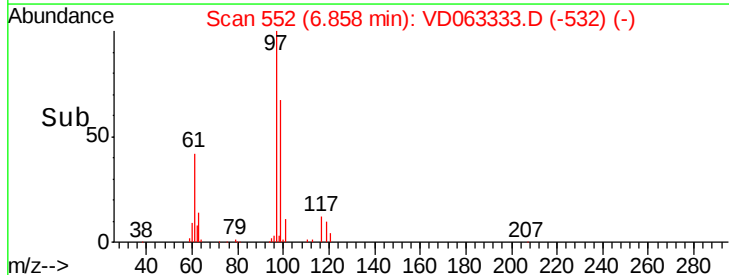
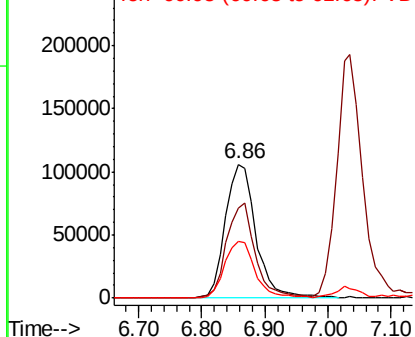


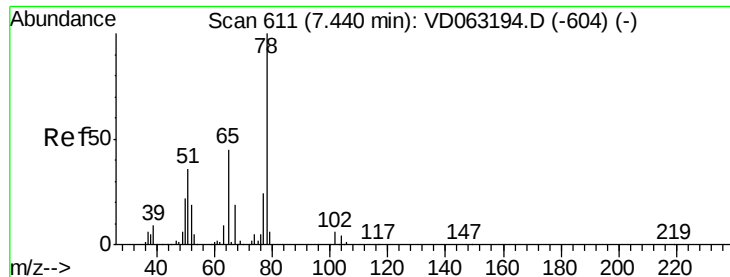
#32
1,1,1-Trichloroethane
Concen: 20.820 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion: 97 Resp: 356524
Ion Ratio Lower Upper
97 100
99 67.4 51.2 76.8
61 42.1 34.2 51.2



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

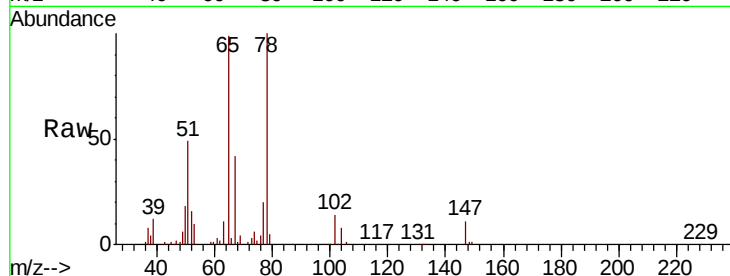




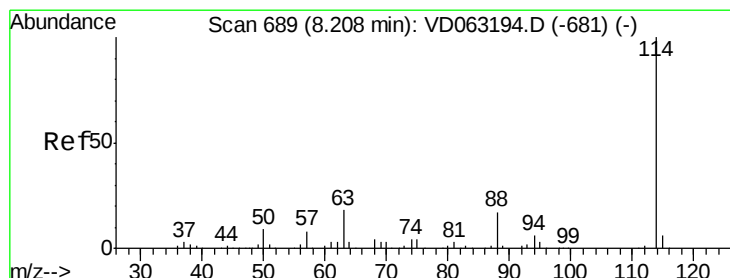
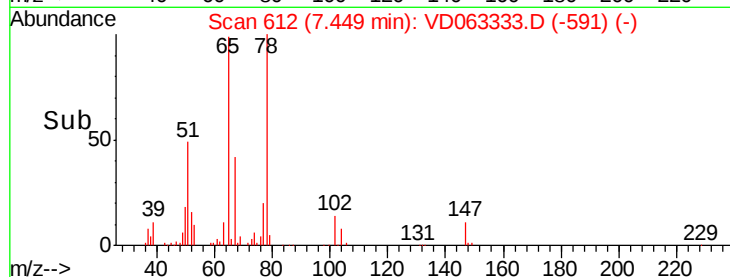
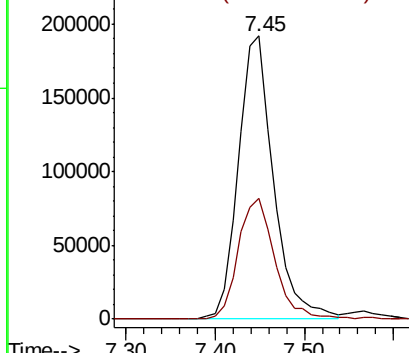
#33
 1,2-Dichloroethane-d4
 Concen: 52.194 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion: 65 Resp: 523955
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 85.8

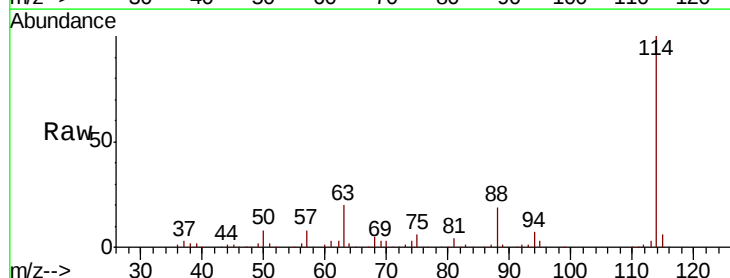


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

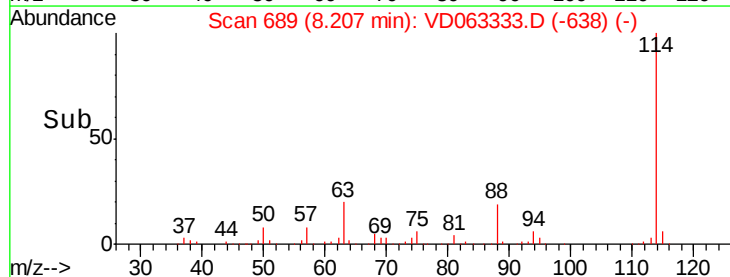
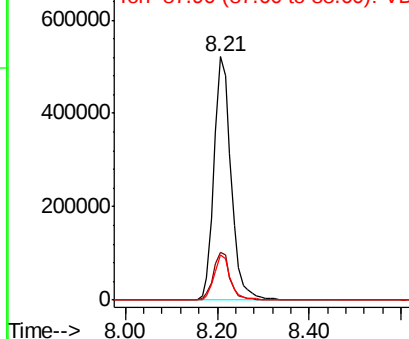


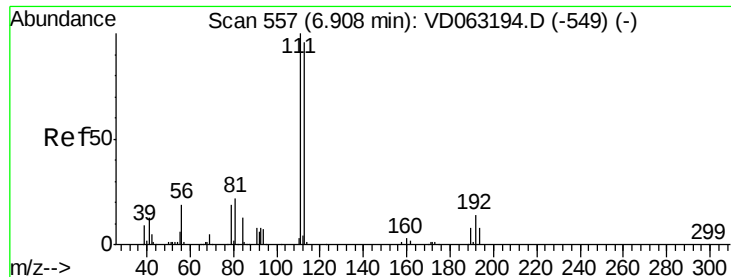
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 114 Resp: 1330445
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 35.2
 88 18.7 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.134 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

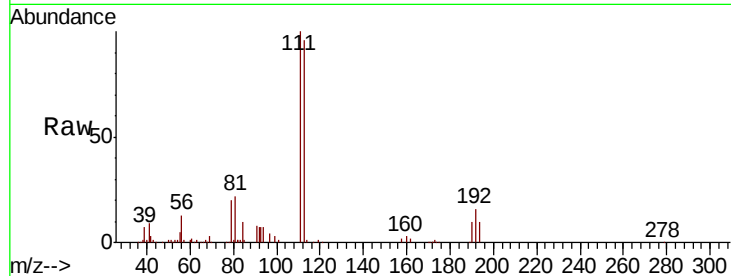
Tgt Ion:113 Resp: 569483

Ion Ratio Lower Upper

113 100

111 104.1 83.2 124.8

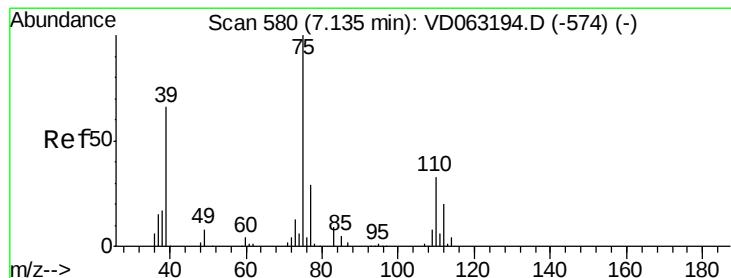
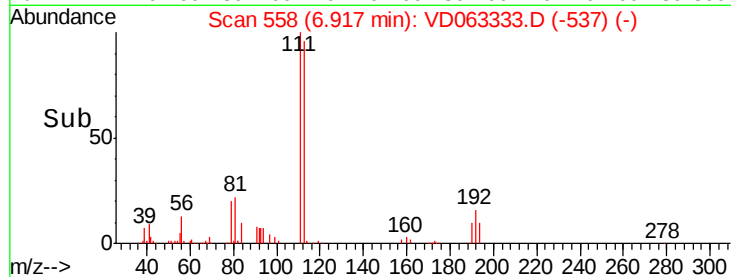
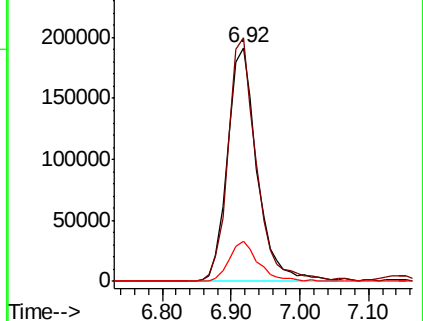
192 17.1 11.8 17.8



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: 19.104 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

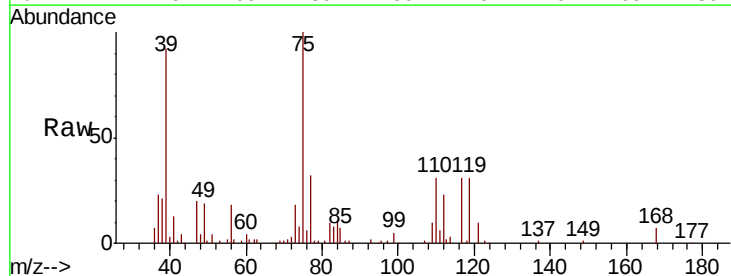
Tgt Ion: 75 Resp: 231957

Ion Ratio Lower Upper

75 100

110 30.9 16.1 48.2

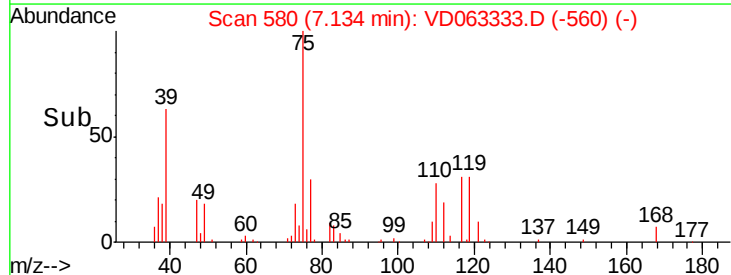
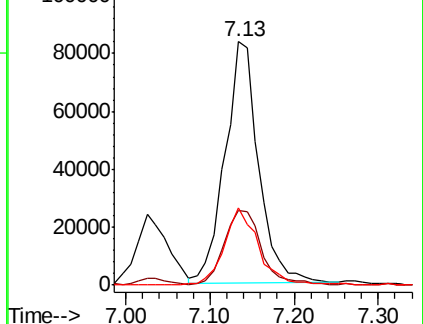
77 31.9 22.7 34.1

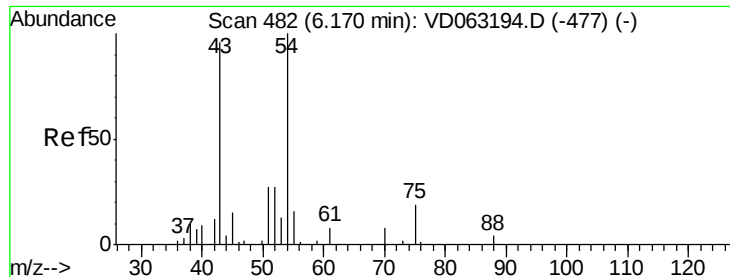


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

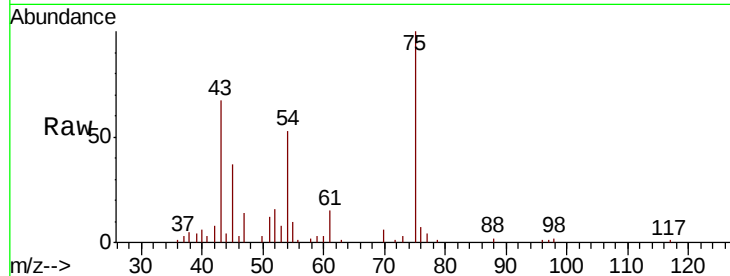




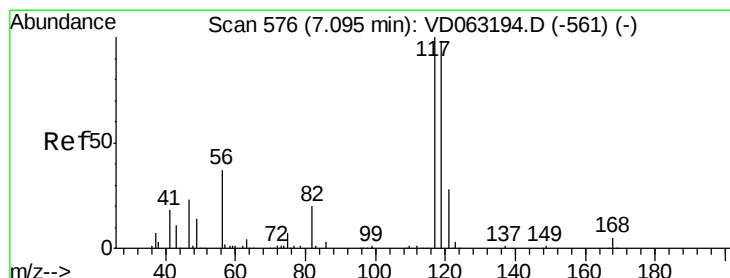
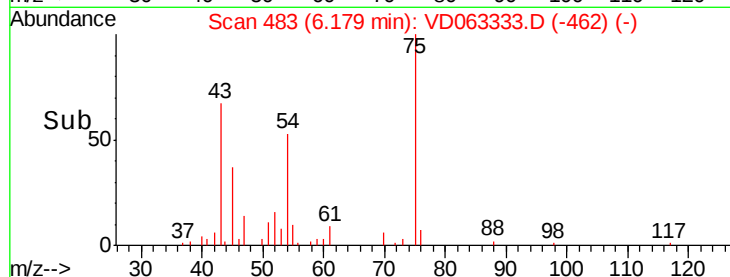
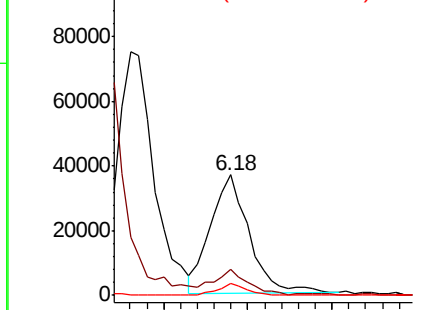
#37
Ethyl Acetate
Concen: 21.668 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion: 43 Resp: 118200
Ion Ratio Lower Upper
43 100
61 22.0 11.3 16.9#
70 9.5 5.1 7.7#

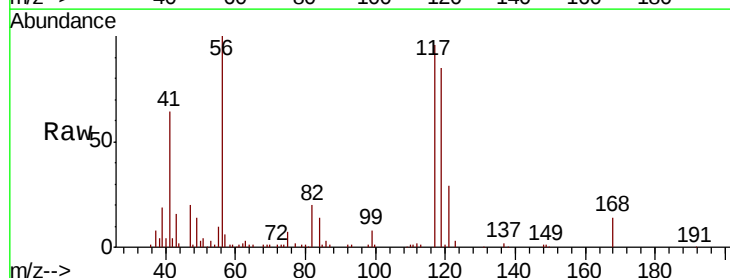


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

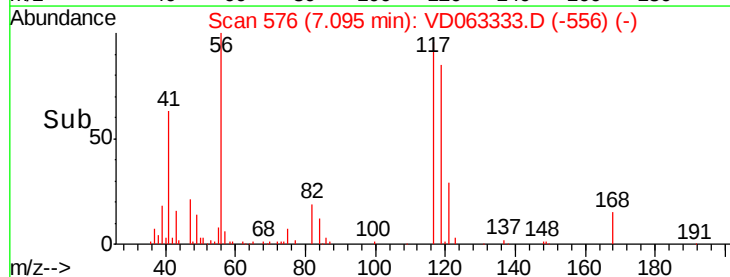
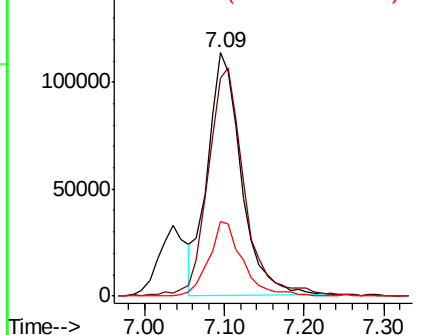


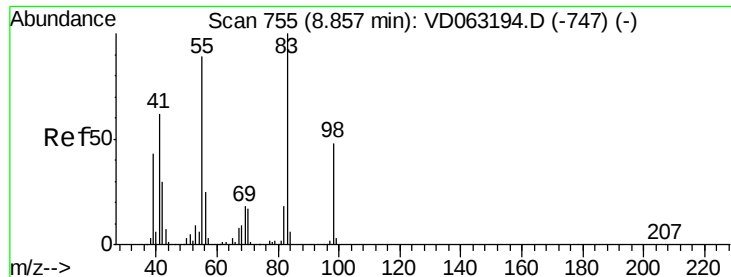
#38
Carbon Tetrachloride
Concen: 18.378 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion: 117 Resp: 335944
Ion Ratio Lower Upper
117 100
119 89.3 78.2 117.2
121 30.8 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

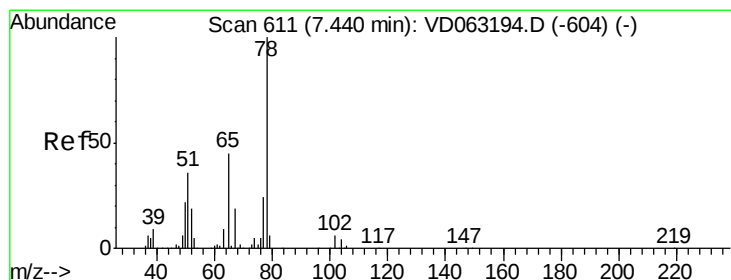
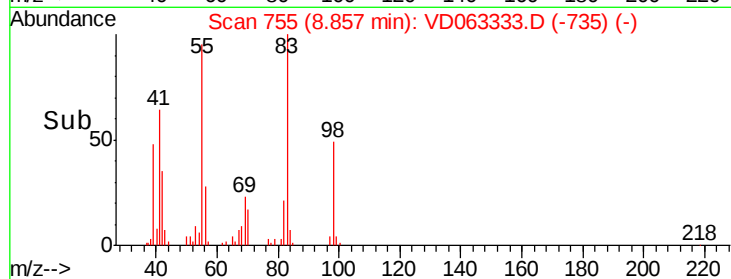
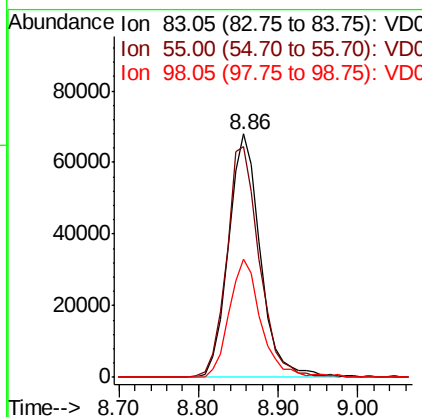
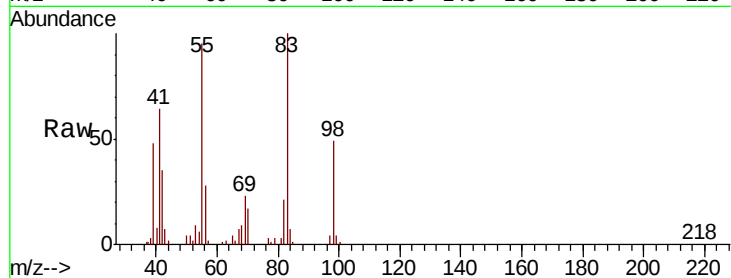




#39
Methylcyclohexane
Concen: 18.735 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

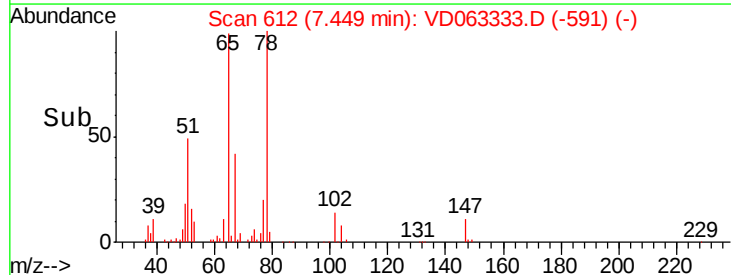
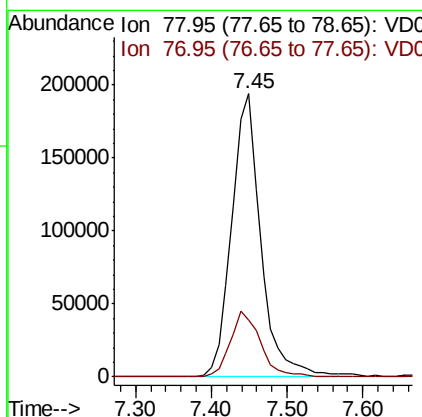
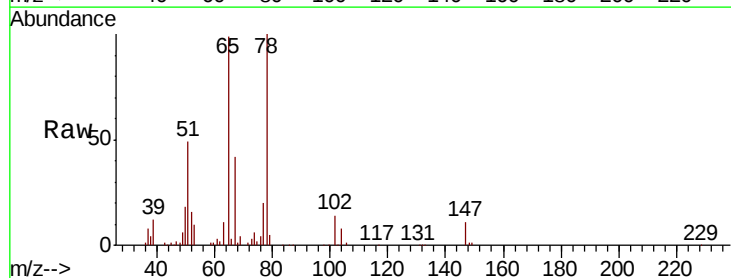
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

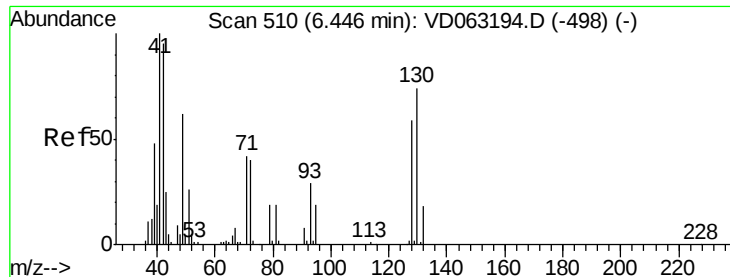
Tgt Ion: 83 Resp: 189527
Ion Ratio Lower Upper
83 100
55 94.8 71.1 106.7
98 48.5 38.5 57.7



#40
Benzene
Concen: 20.240 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion: 78 Resp: 515064
Ion Ratio Lower Upper
78 100
77 20.2 19.4 29.2





#41

Methacrylonitrile

Concen: 22.303 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

Tgt Ion: 41 Resp: 145531

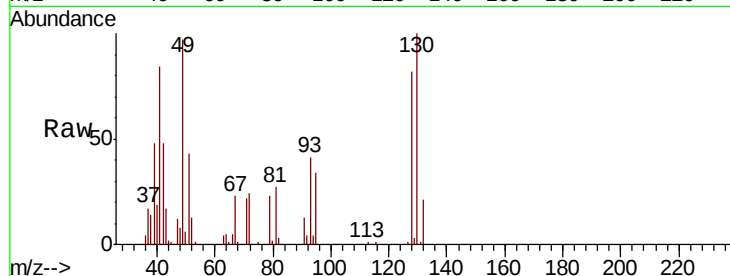
Ion Ratio Lower Upper

41 100

39 56.7 38.4 57.6

67 26.8 6.7 10.1#

52 15.4 4.3 6.5#

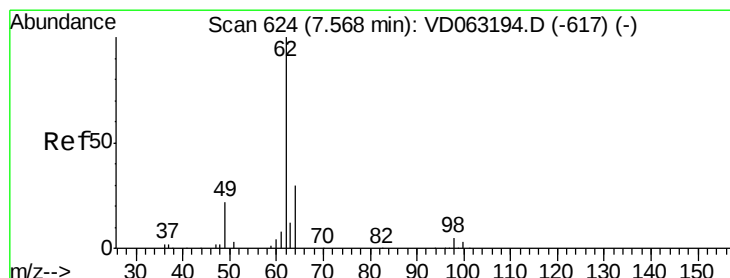
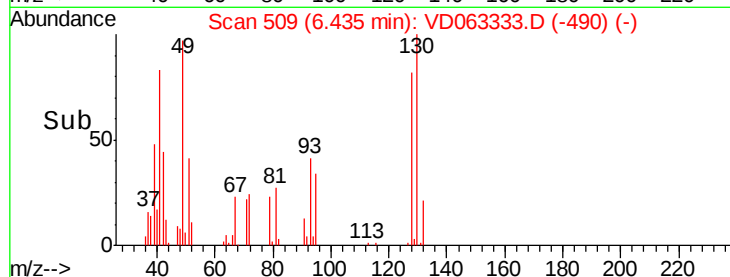
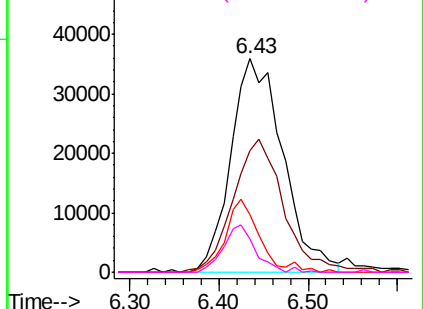


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.195 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD063333.D

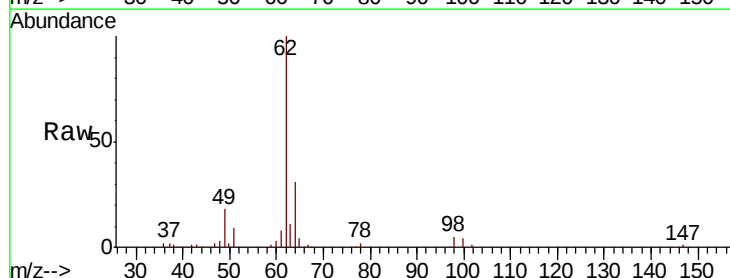
Acq: 3 Aug 2019 00:33

Tgt Ion: 62 Resp: 285844

Ion Ratio Lower Upper

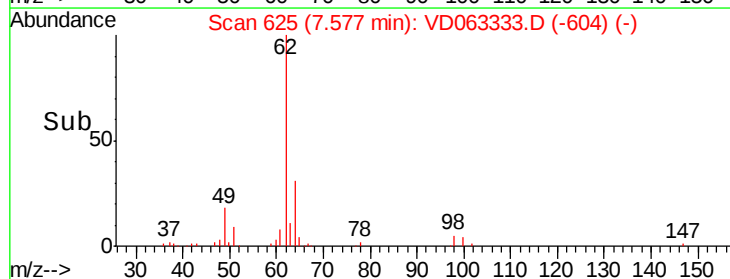
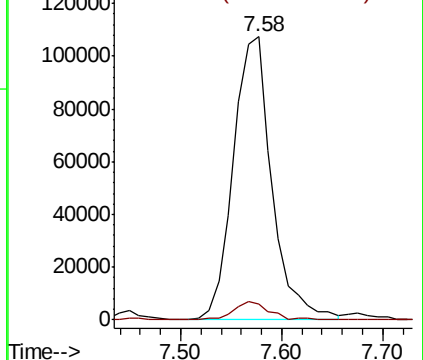
62 100

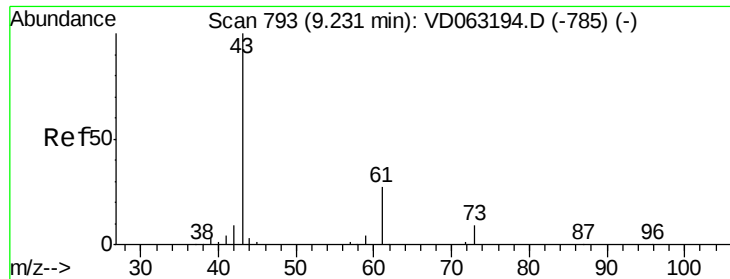
98 5.4 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.761 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

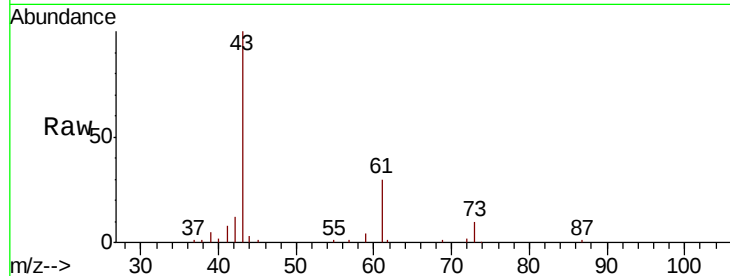
Tgt Ion: 43 Resp: 158603

Ion Ratio Lower Upper

43 100

61 30.1 21.4 32.0

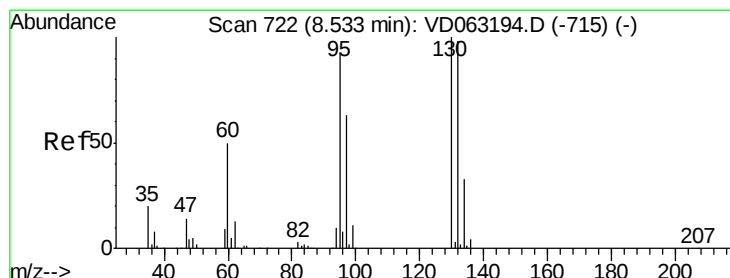
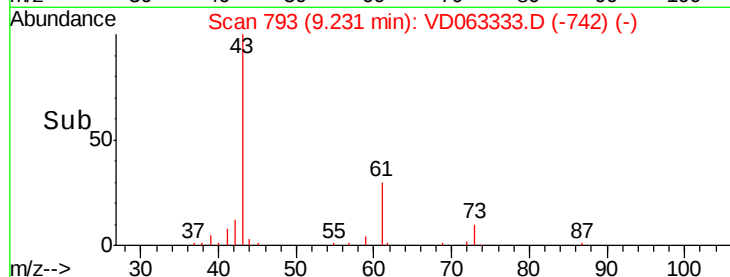
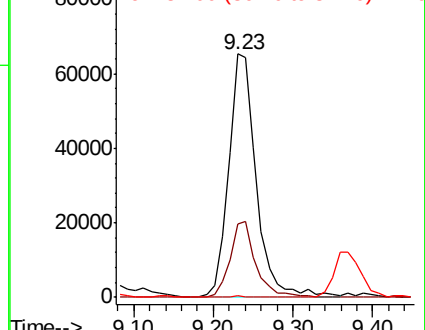
87 0.7 0.2 0.4#



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: 19.761 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063333.D

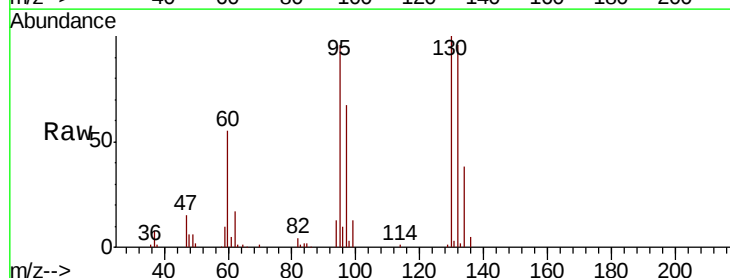
Acq: 3 Aug 2019 00:33

Tgt Ion: 130 Resp: 203763

Ion Ratio Lower Upper

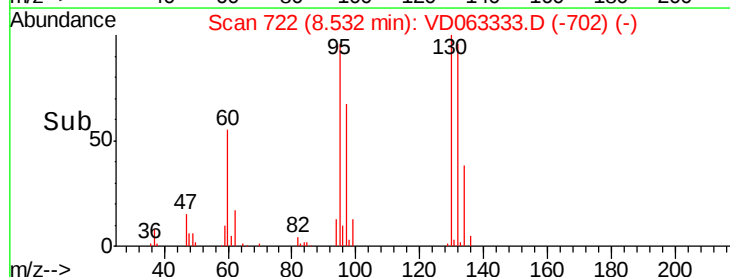
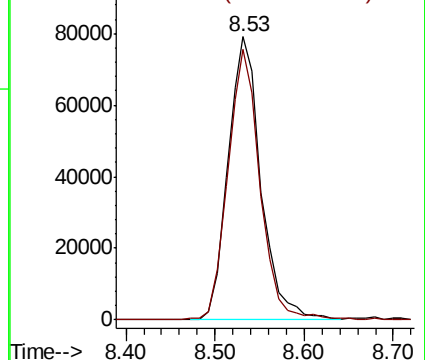
130 100

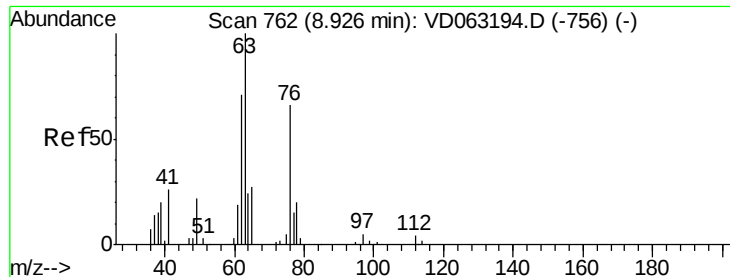
95 95.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.502 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

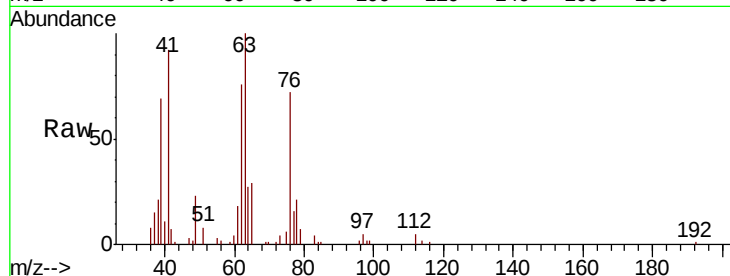
VD0802SBS02

Tgt Ion: 63 Resp: 132607

Ion Ratio Lower Upper

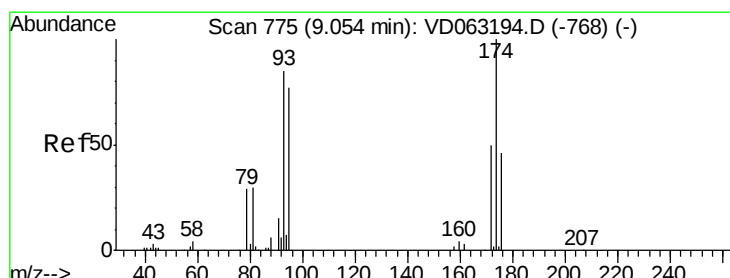
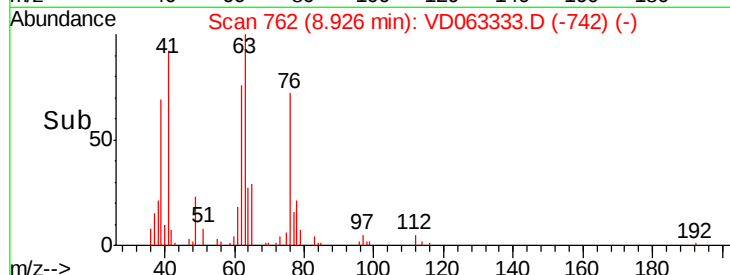
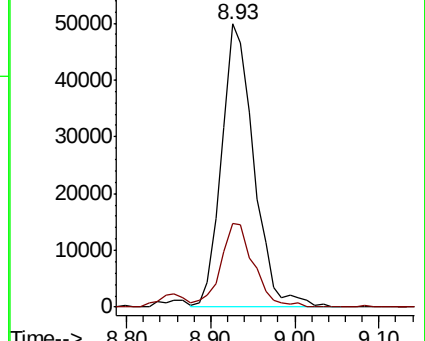
63 100

65 29.5 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.920 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

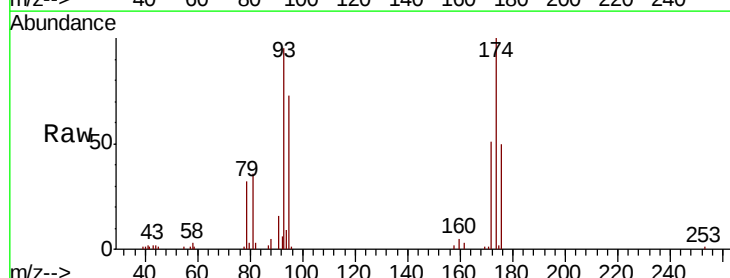
Tgt Ion: 93 Resp: 117888

Ion Ratio Lower Upper

93 100

95 76.8 72.8 109.2

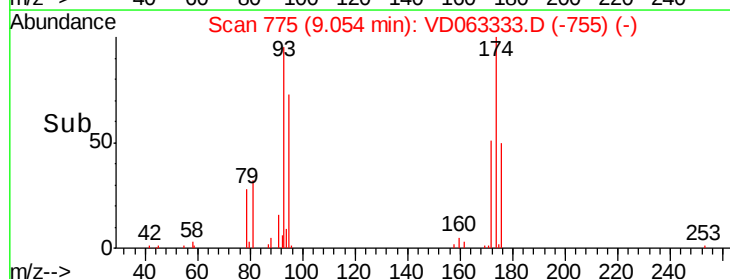
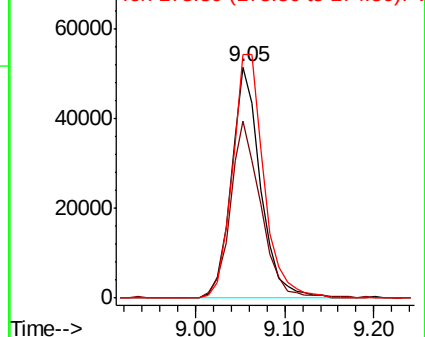
174 105.2 94.4 141.6

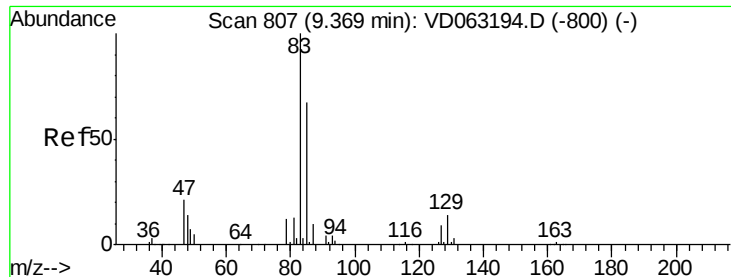


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.697 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

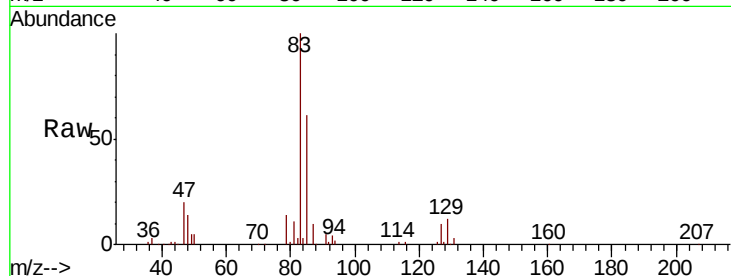
Tgt Ion: 83 Resp: 297457

Ion Ratio Lower Upper

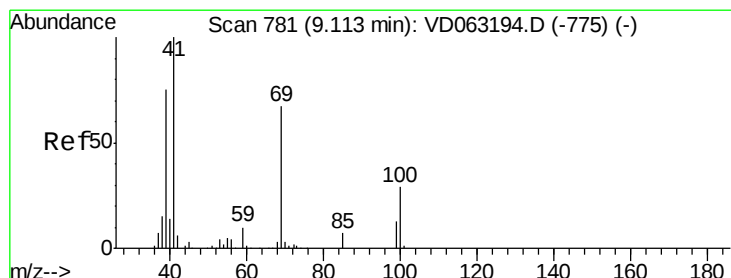
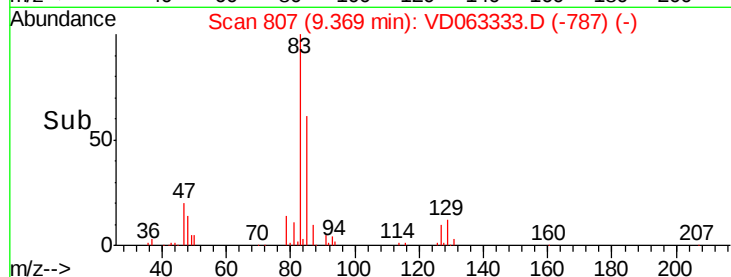
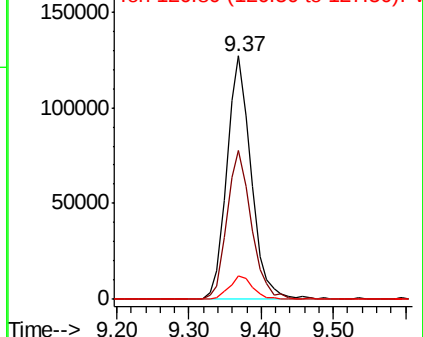
83 100

85 61.3 53.6 80.4

127 9.8 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: 20.084 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

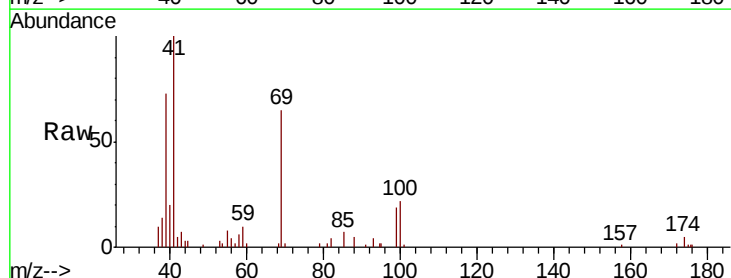
Tgt Ion: 41 Resp: 90766

Ion Ratio Lower Upper

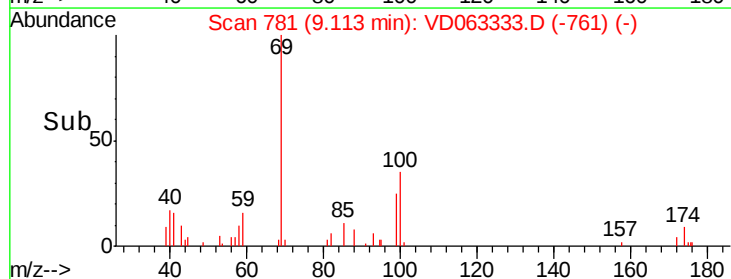
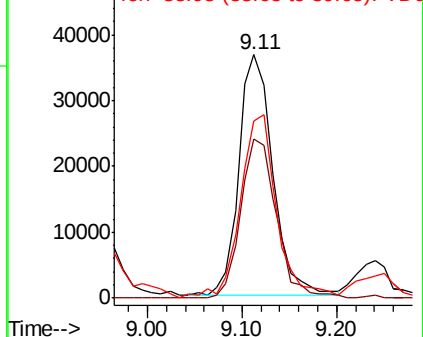
41 100

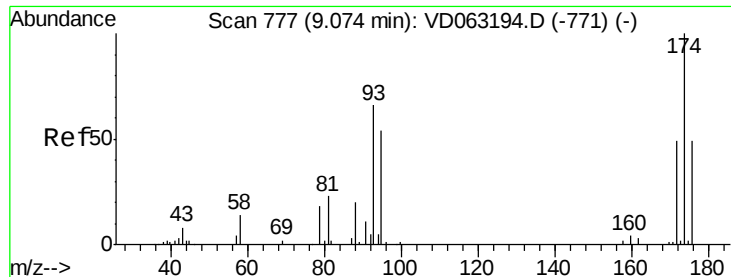
69 65.4 53.4 80.0

39 72.7 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

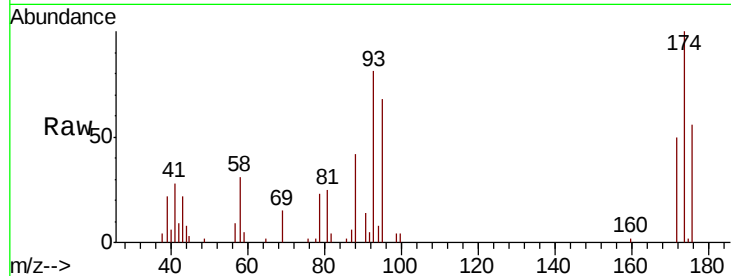




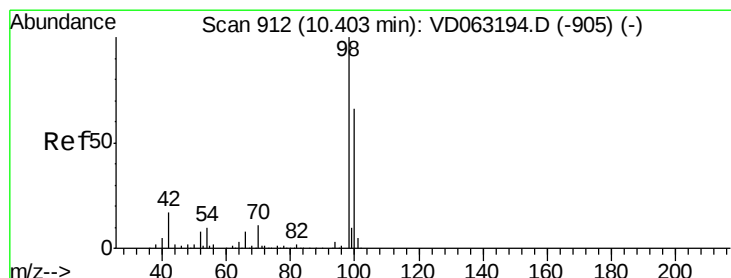
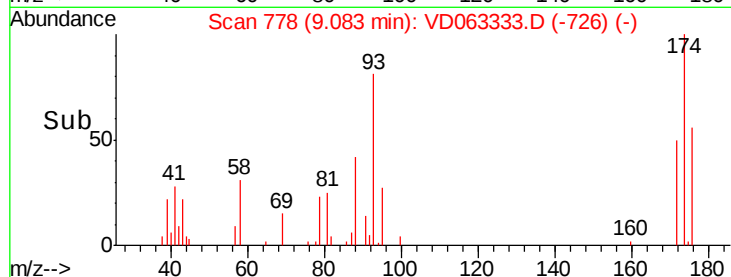
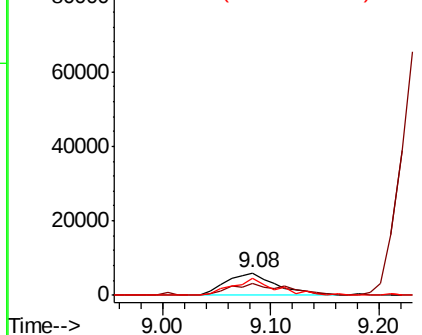
#49
 1,4-Dioxane
 Concen: 505.318 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion: 88 Resp: 19423
 Ion Ratio Lower Upper
 88 100
 43 51.4 30.7 46.1#
 58 73.6 56.5 84.7

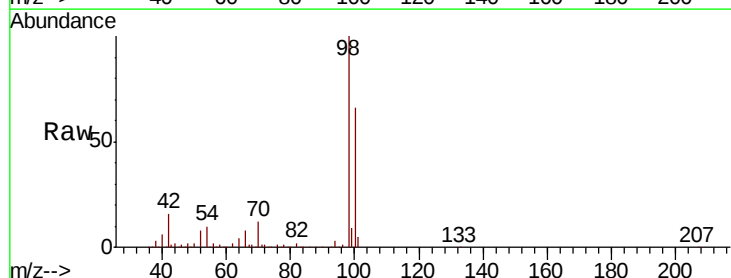


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

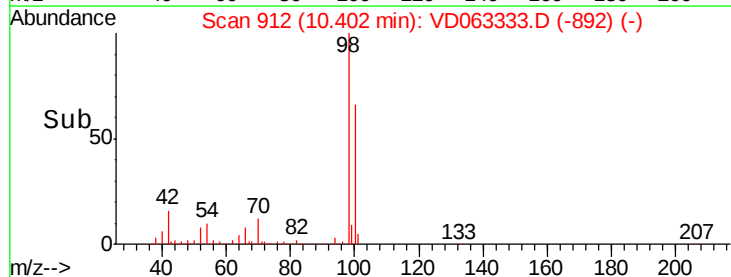
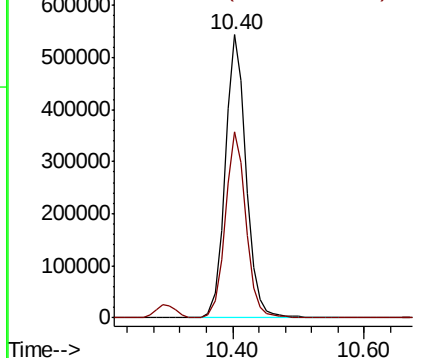


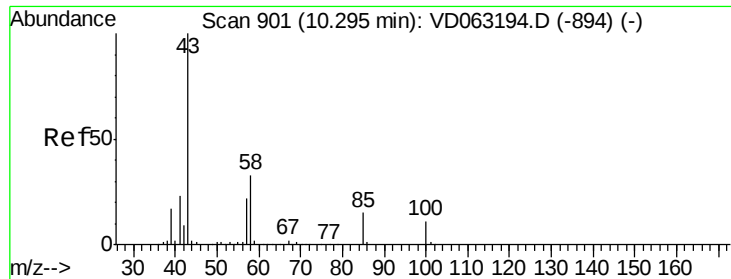
#50
 Toluene-d8
 Concen: 47.494 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 98 Resp: 1207382
 Ion Ratio Lower Upper
 98 100
 100 65.6 53.2 79.8



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

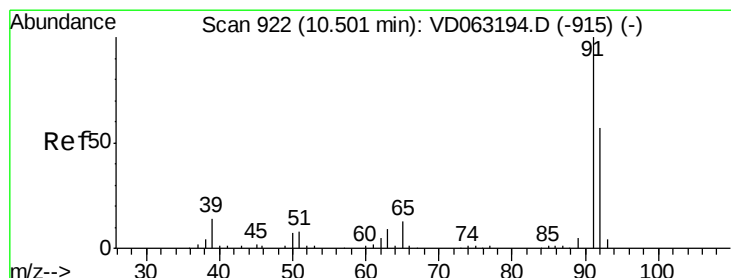
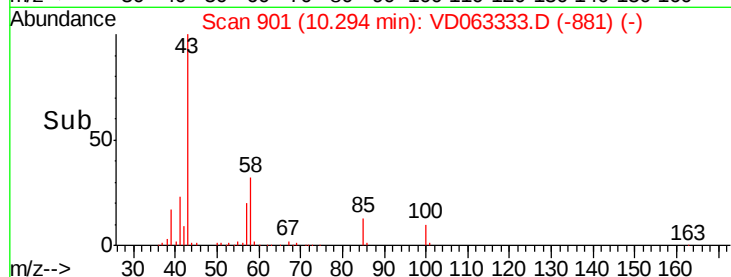
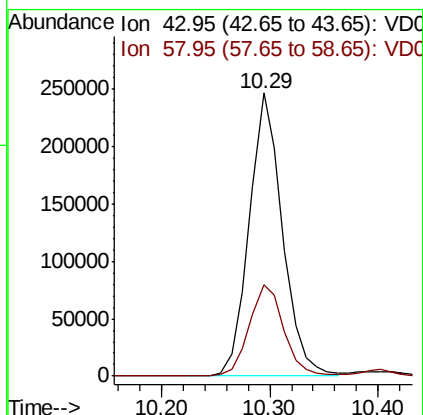
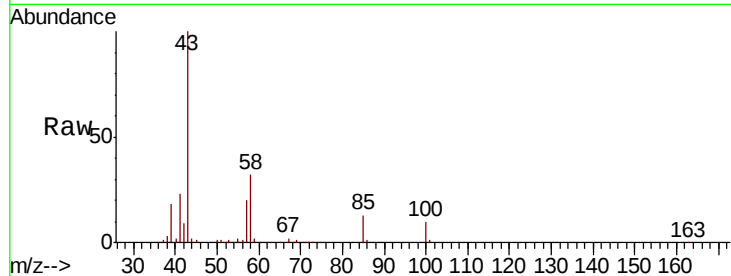




#51
 4-Methyl-2-Pentanone
 Concen: 111.198 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

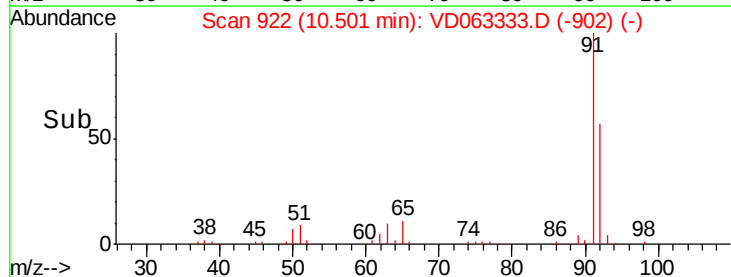
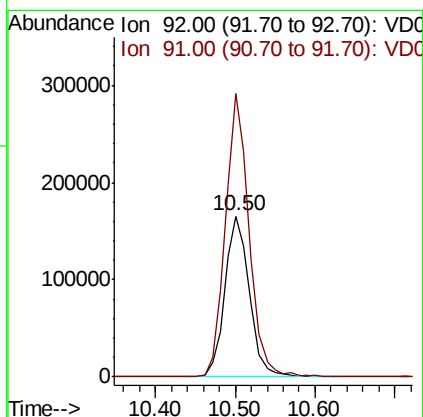
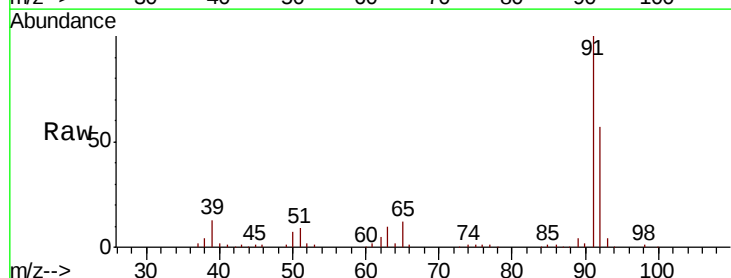
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion: 43 Resp: 526952
 Ion Ratio Lower Upper
 43 100
 58 32.1 26.2 39.2



#52
 Toluene
 Concen: 21.203 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 92 Resp: 358856
 Ion Ratio Lower Upper
 92 100
 91 175.7 140.8 211.2

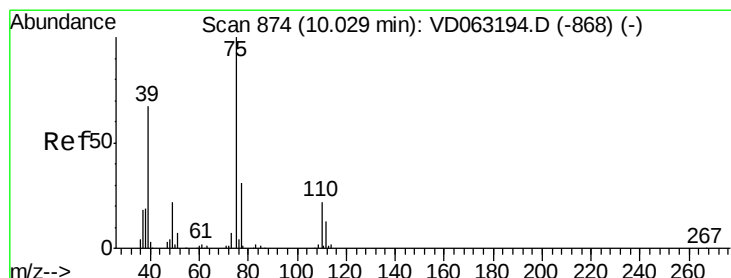
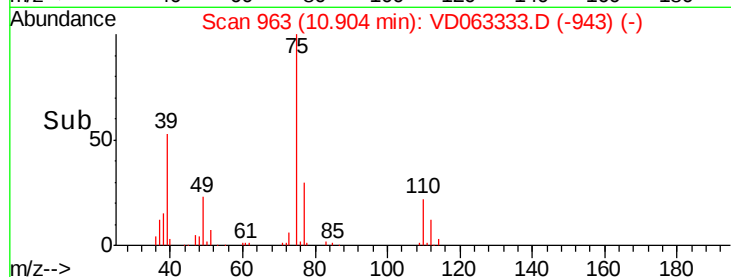
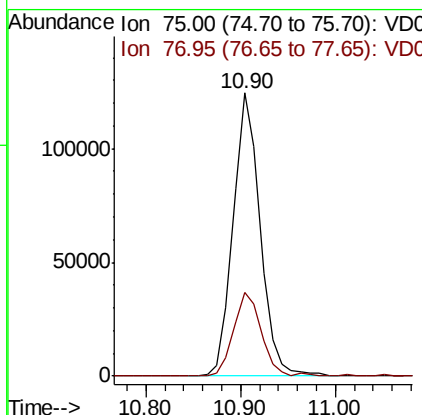
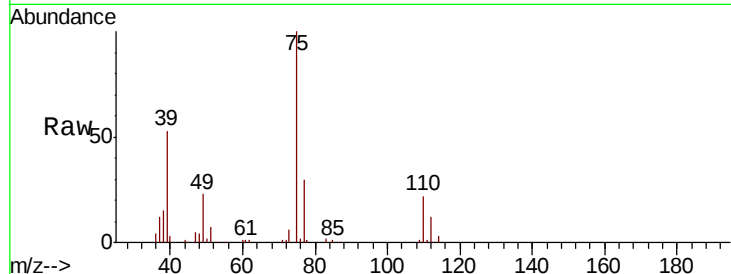




#53
 t-1,3-Dichloropropene
 Concen: 20.805 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

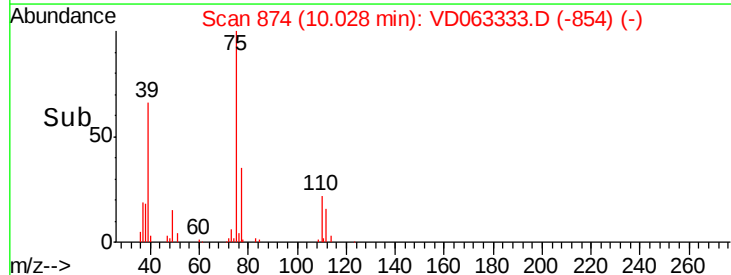
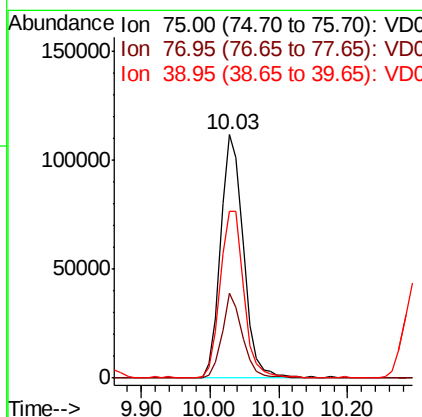
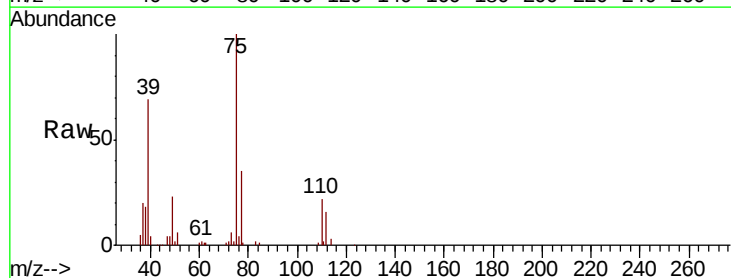
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

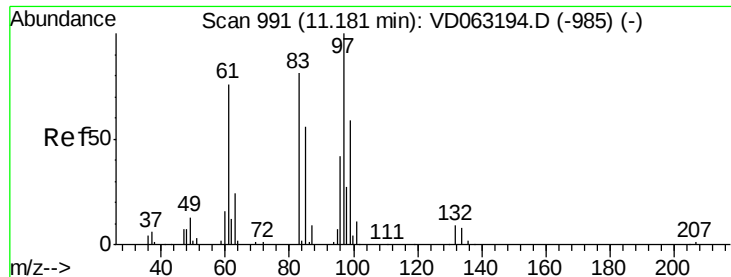
Tgt Ion: 75 Resp: 245906
 Ion Ratio Lower Upper
 75 100
 77 29.7 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.623 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 75 Resp: 256180
 Ion Ratio Lower Upper
 75 100
 77 34.9 24.9 37.3
 39 68.7 53.9 80.9

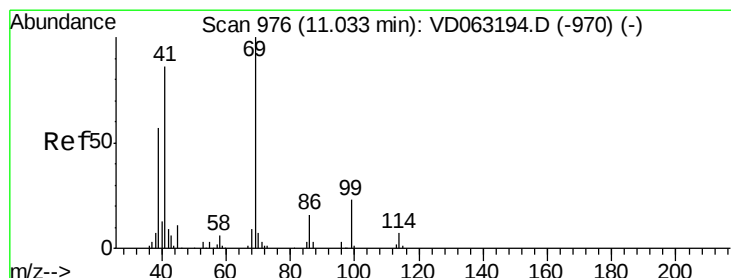
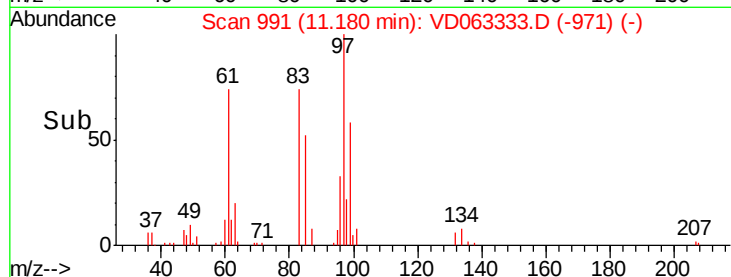
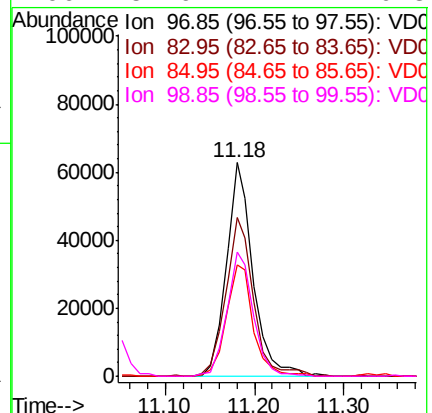
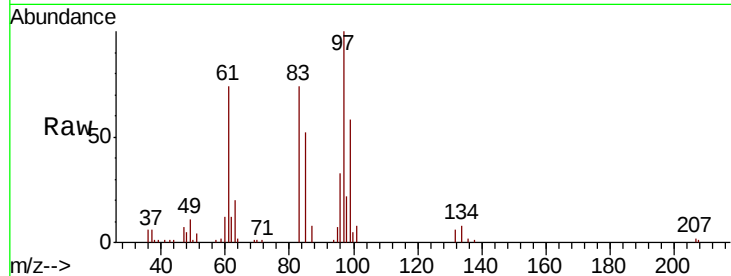




#55
 1,1,2-Trichloroethane
 Concen: 22.956 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

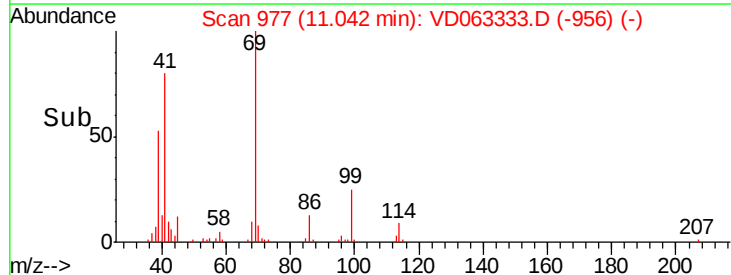
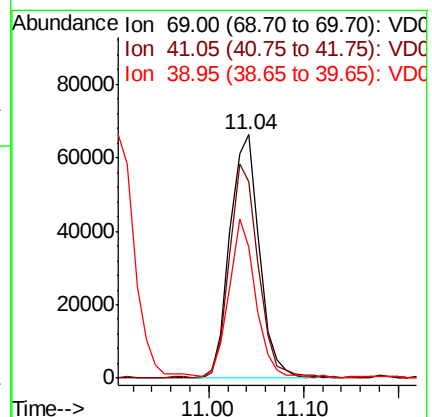
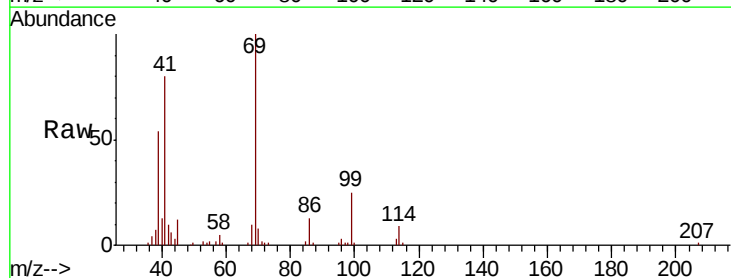
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

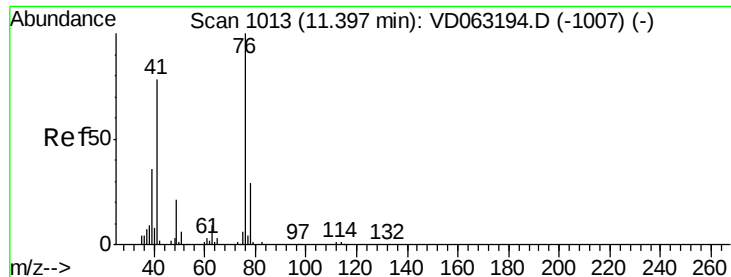
Tgt Ion:	97	Resp:	131222
Ion	Ratio	Lower	Upper
97	100		
83	74.5	64.8	97.2
85	52.2	44.9	67.3
99	57.9	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 22.818 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion:	69	Resp:	142823
Ion	Ratio	Lower	Upper
69	100		
41	80.5	68.8	103.2
39	53.6	45.8	68.8

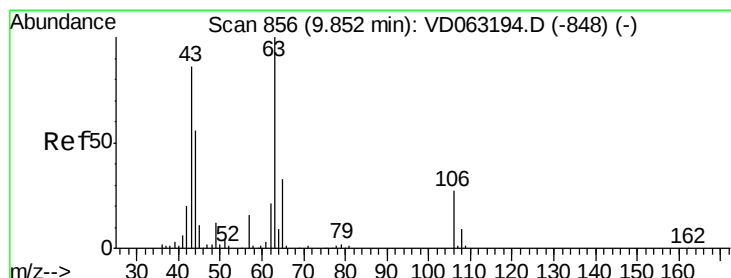
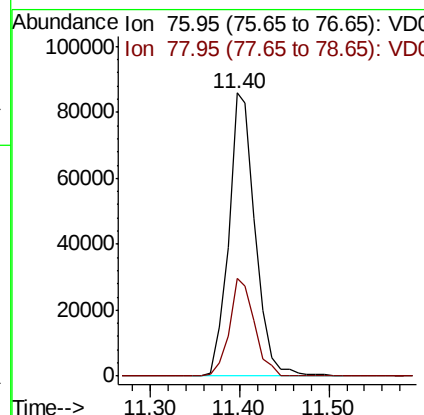
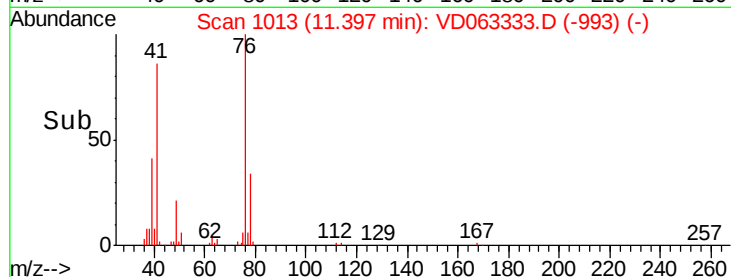
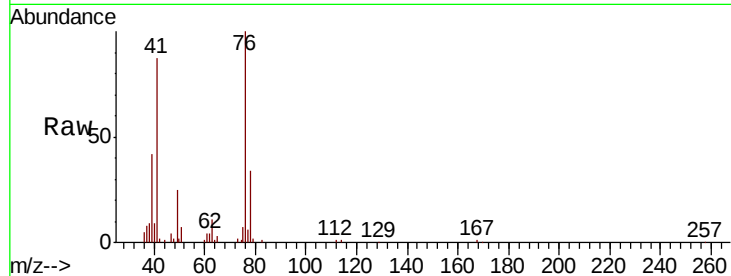




#57
 1,3-Dichloropropane
 Concen: 19.959 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

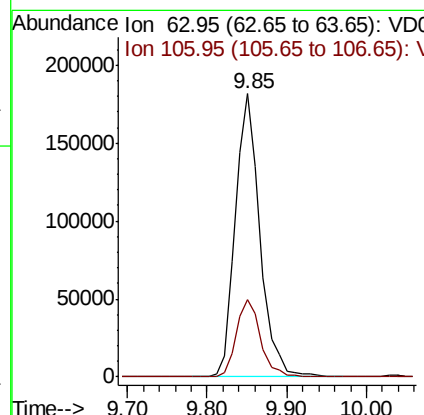
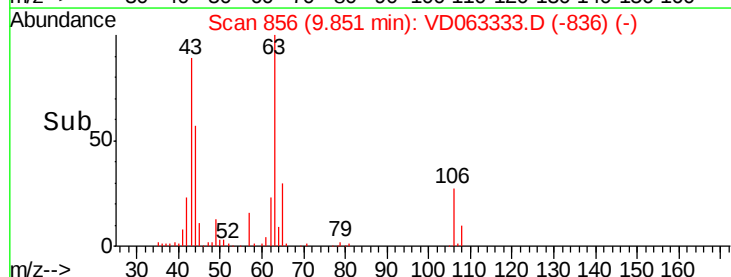
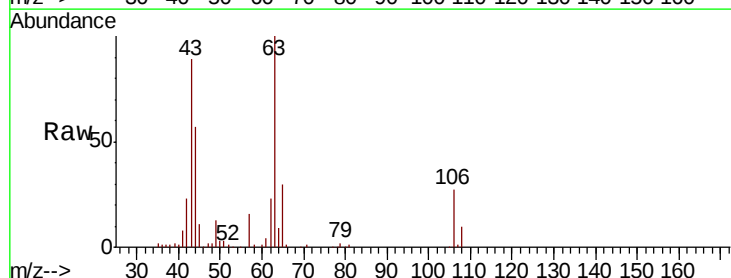
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

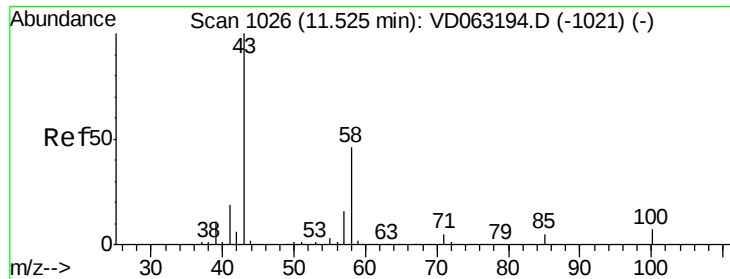
Tgt Ion: 76 Resp: 179759
 Ion Ratio Lower Upper
 76 100
 78 34.5 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.945 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 63 Resp: 393918
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.0 33.0

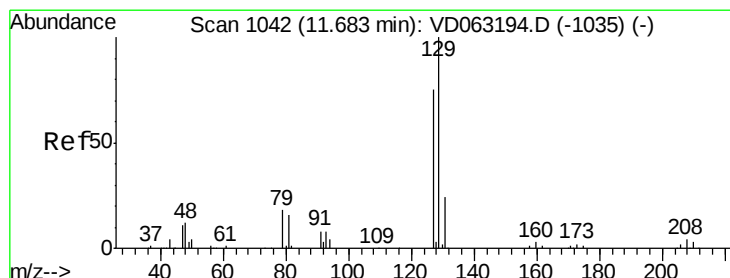
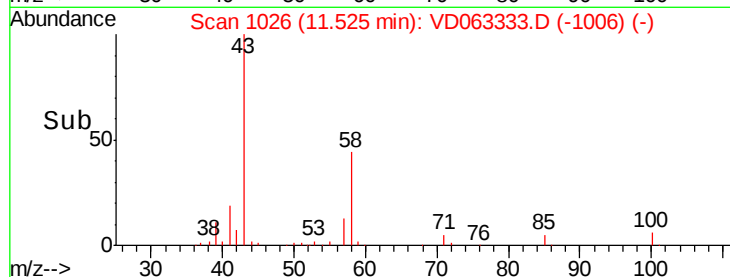
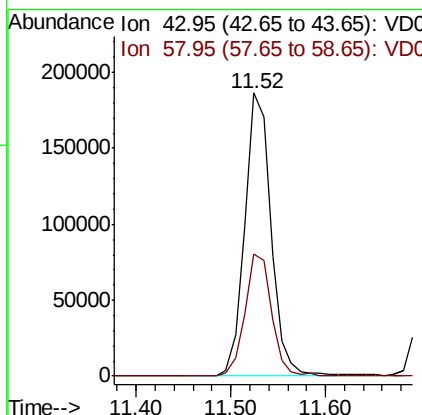
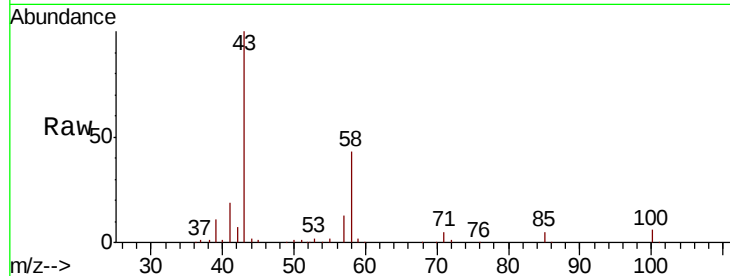




#59
2-Hexanone
Concen: 105.029 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

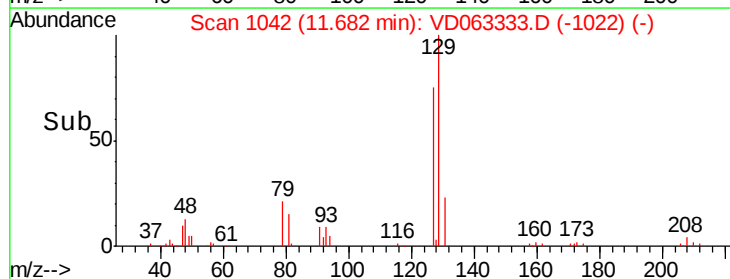
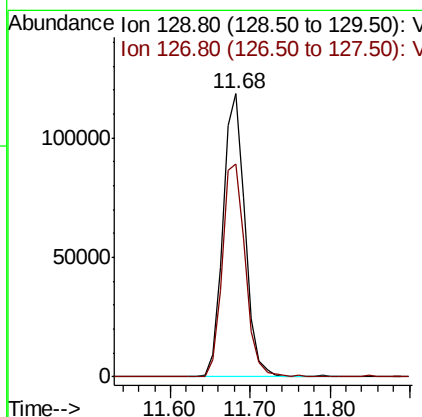
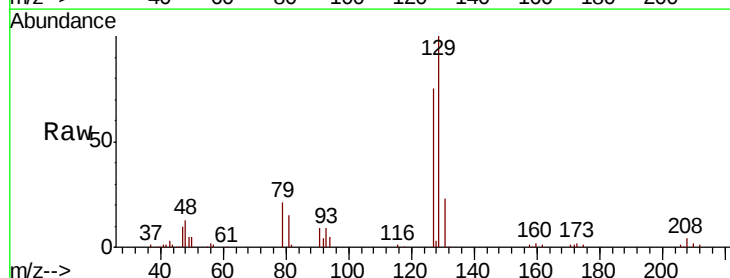
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion: 43 Resp: 358677
Ion Ratio Lower Upper
43 100
58 43.1 22.9 68.5



#60
Dibromochloromethane
Concen: 21.445 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion: 129 Resp: 231412
Ion Ratio Lower Upper
129 100
127 75.5 37.6 112.8

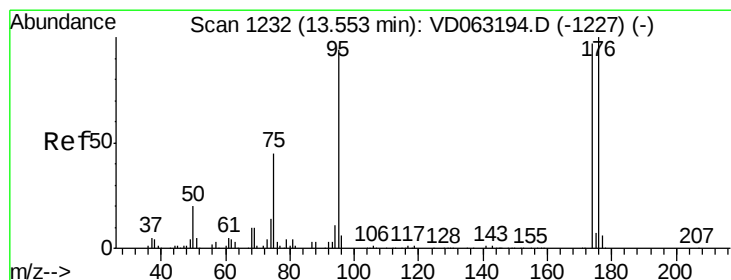
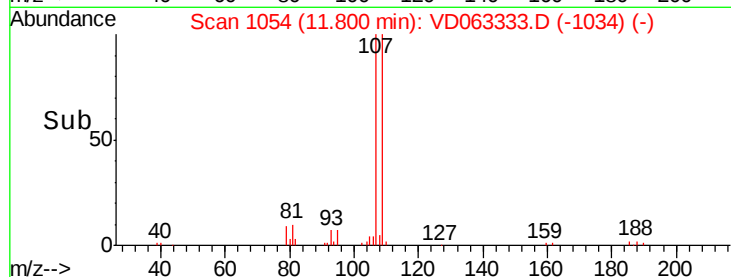
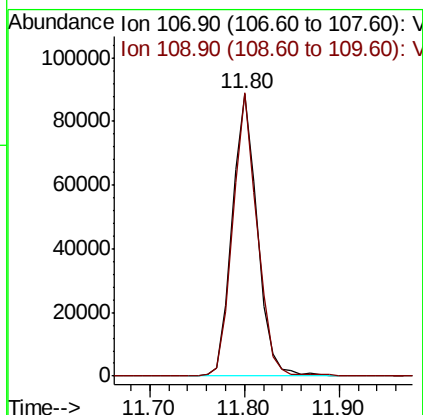
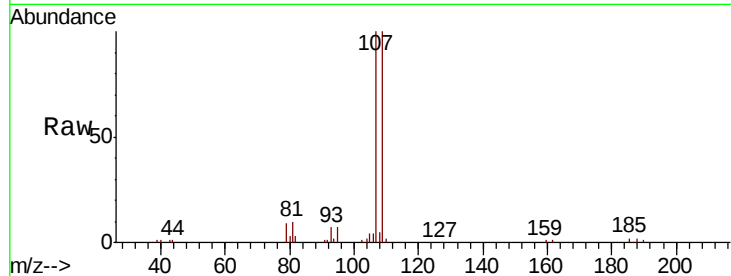




#61
 1,2-Dibromoethane
 Concen: 23.003 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

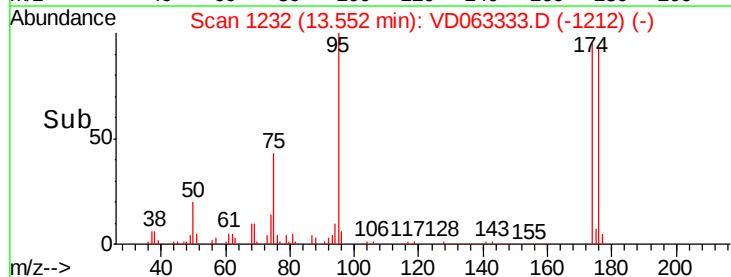
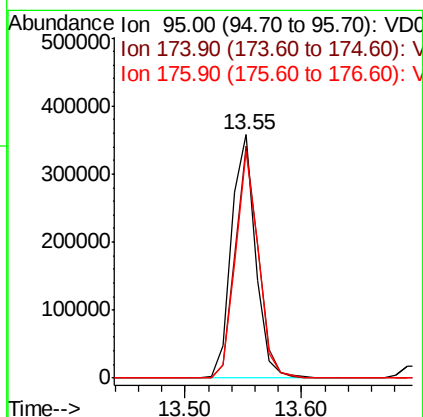
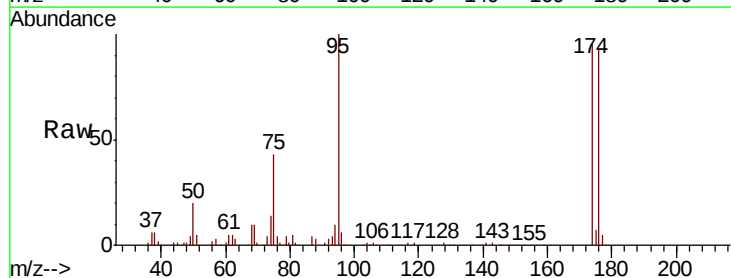
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

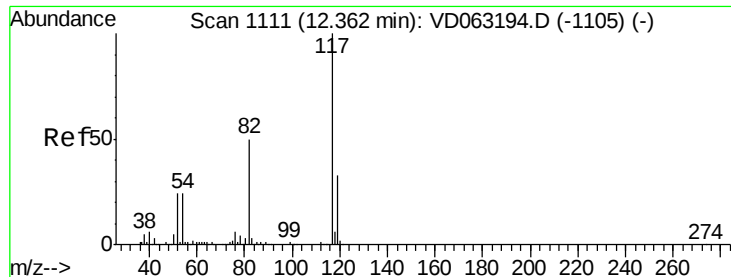
Tgt Ion: 107 Resp: 162252
 Ion Ratio Lower Upper
 107 100
 109 100.3 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 43.961 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 95 Resp: 509266
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 205.4
 176 93.5 0.0 211.8

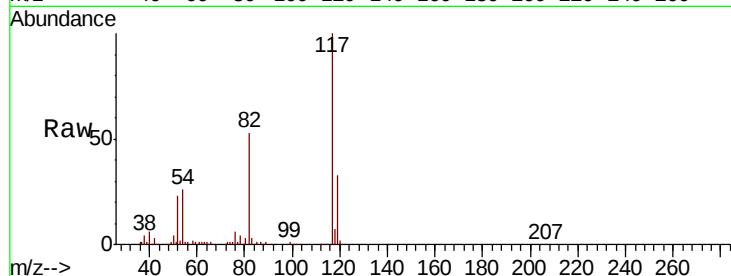




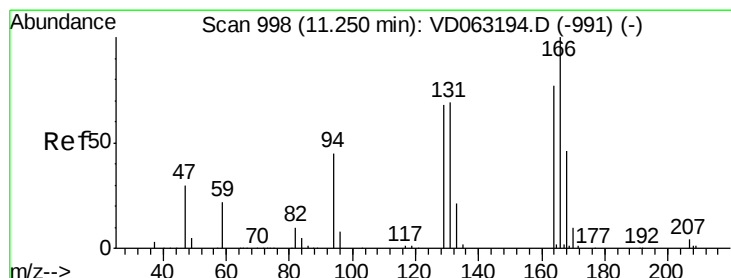
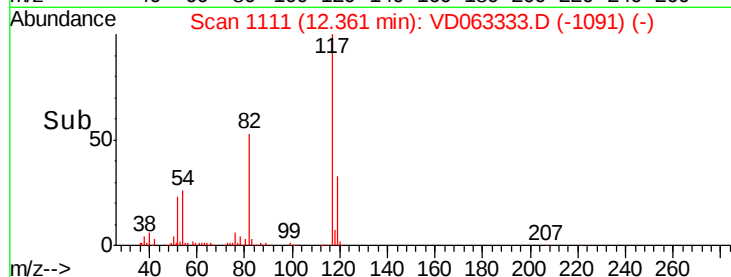
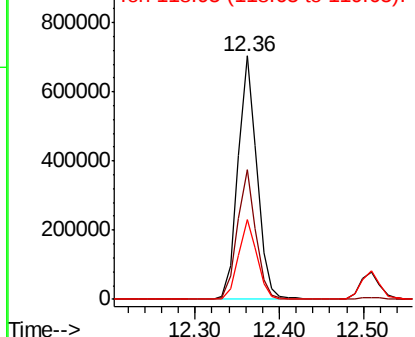
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion:117 Resp: 1102778
Ion Ratio Lower Upper
117 100
82 53.1 40.1 60.1
119 32.7 26.5 39.7

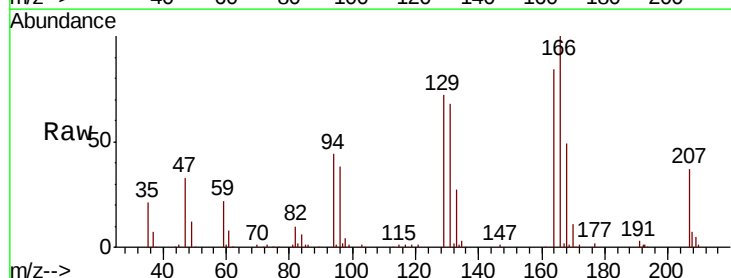


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

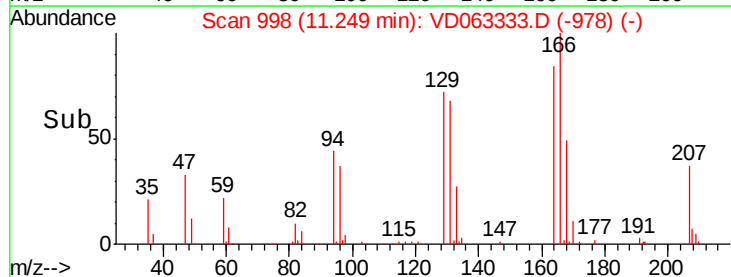
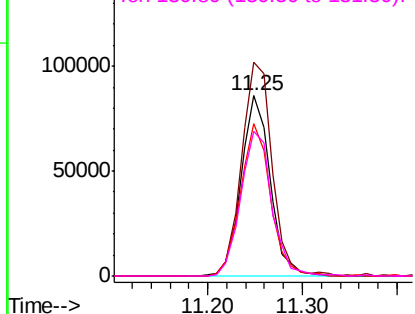


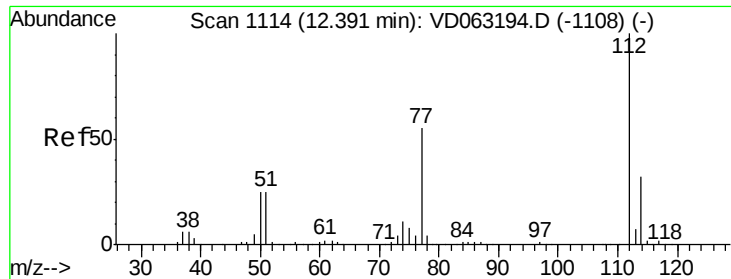
#64
Tetrachloroethene
Concen: 20.740 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion:164 Resp: 182207
Ion Ratio Lower Upper
164 100
166 118.7 104.3 156.5
129 85.0 70.9 106.3
131 80.2 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

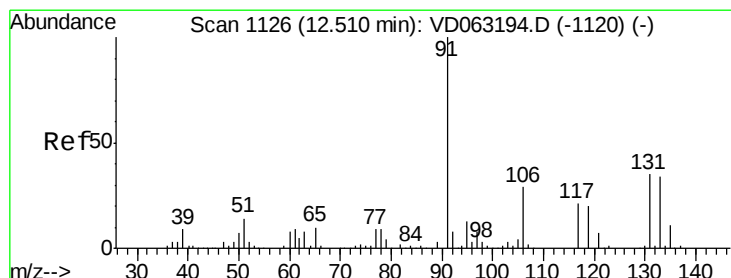
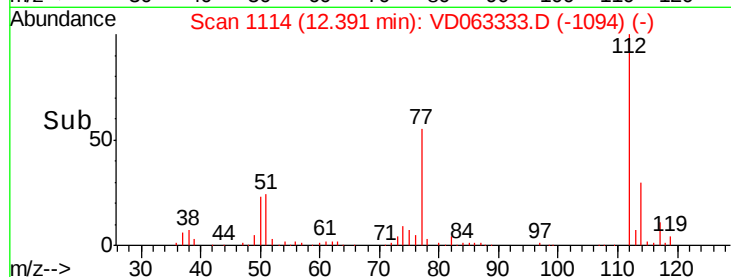
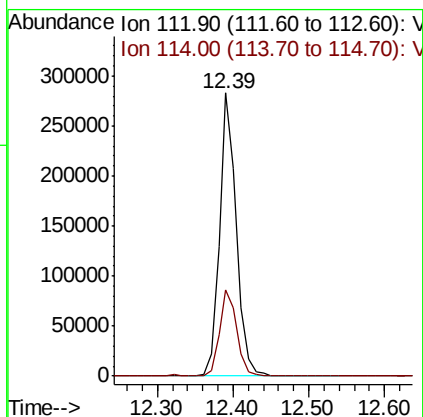
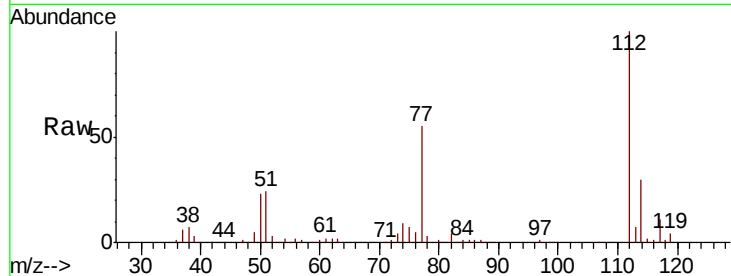




#65
Chlorobenzene
Concen: 20.621 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

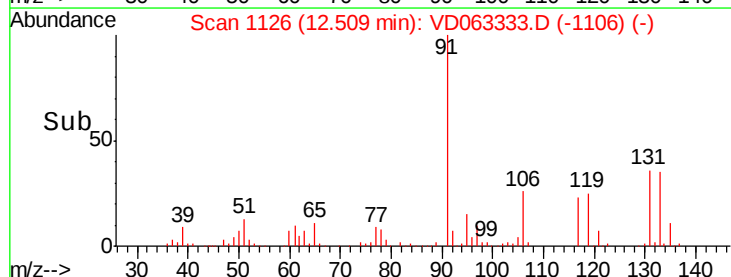
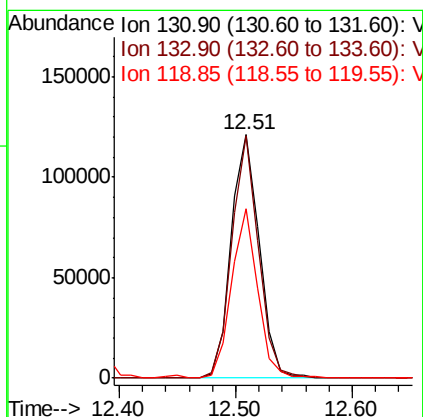
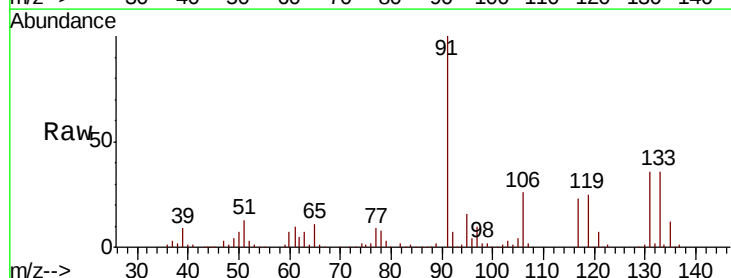
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

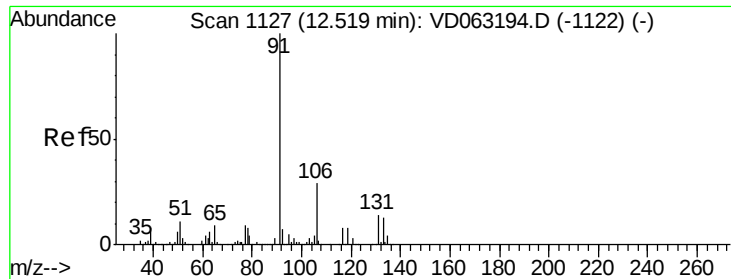
Tgt Ion:112 Resp: 437392
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.669 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion:131 Resp: 202459
Ion Ratio Lower Upper
131 100
133 99.8 48.4 145.2
119 69.4 29.1 87.3

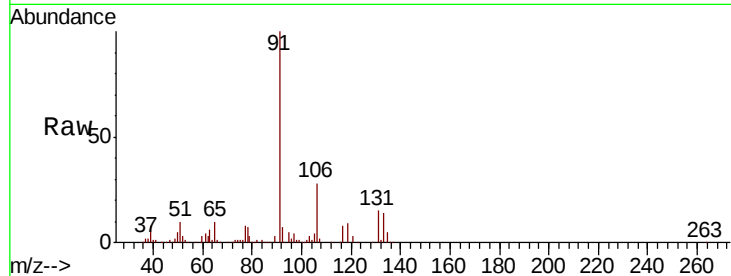




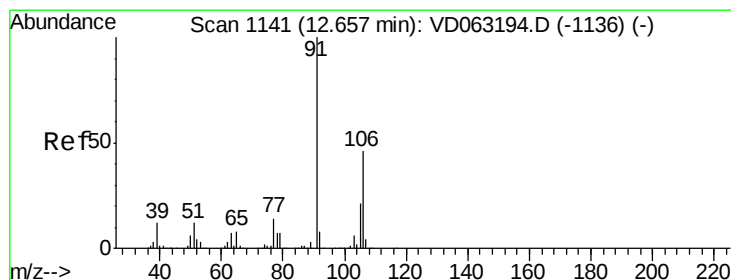
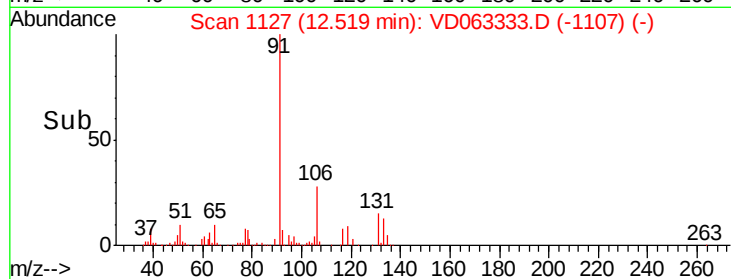
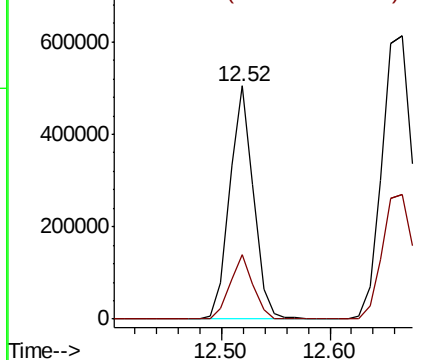
#67
Ethyl Benzene
Concen: 21.375 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion: 91 Resp: 770198
Ion Ratio Lower Upper
91 100
106 27.7 22.9 34.3

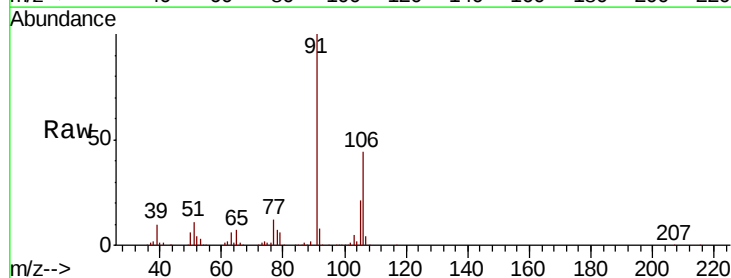


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

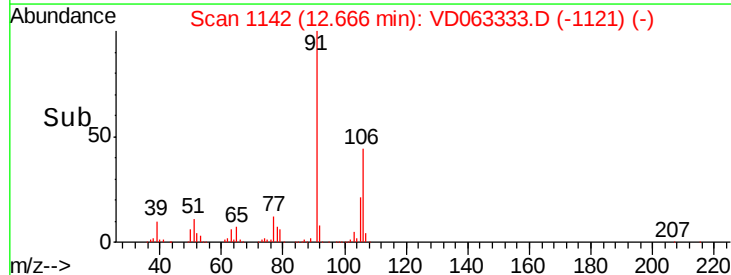
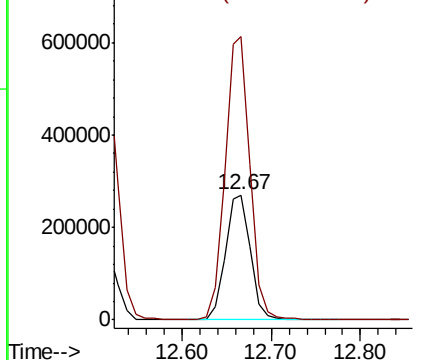


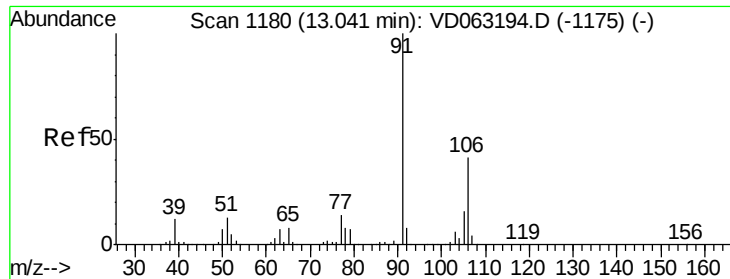
#68
m/p-Xylenes
Concen: 40.373 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion: 106 Resp: 533513
Ion Ratio Lower Upper
106 100
91 226.1 172.6 259.0



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

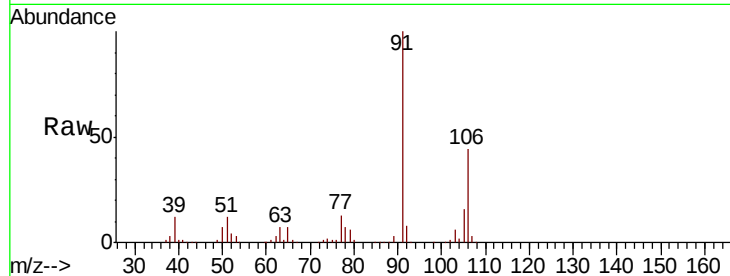




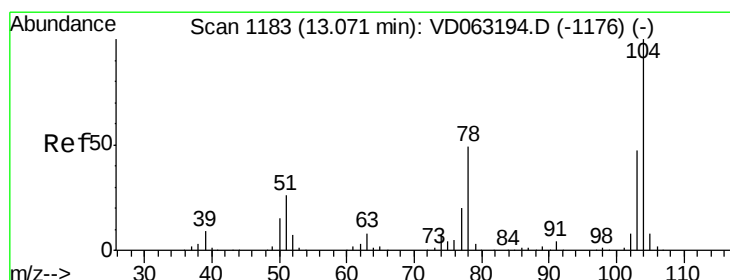
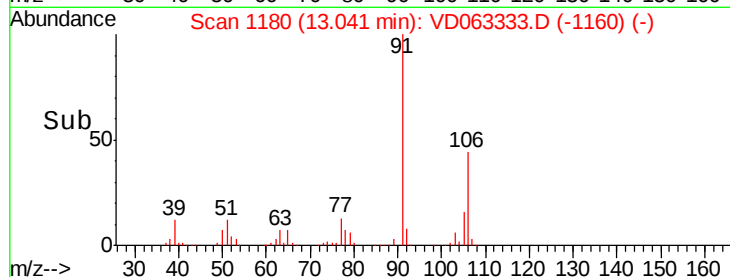
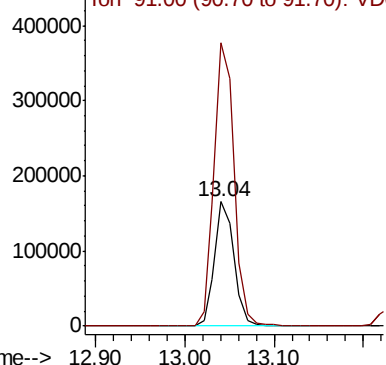
#69
o-Xylene
Concen: 20.770 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion:106 Resp: 252039
Ion Ratio Lower Upper
106 100
91 227.9 121.3 363.9

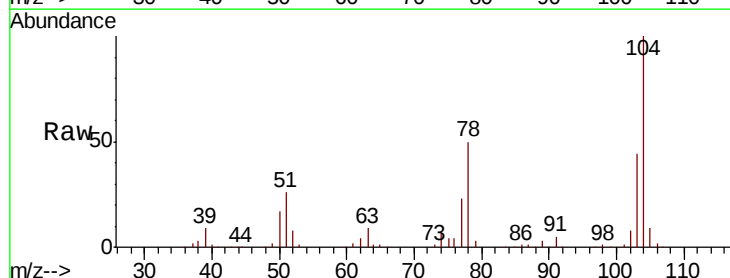


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

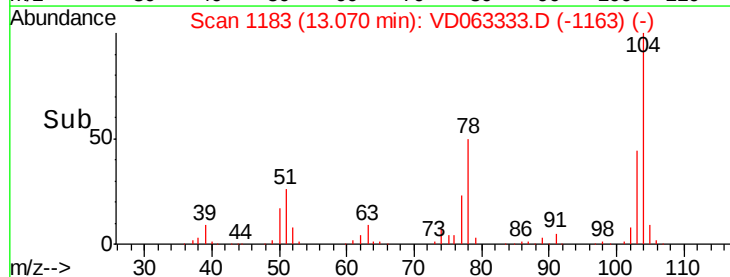
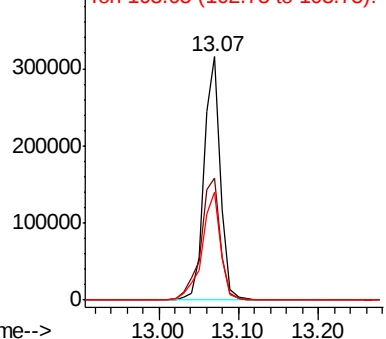


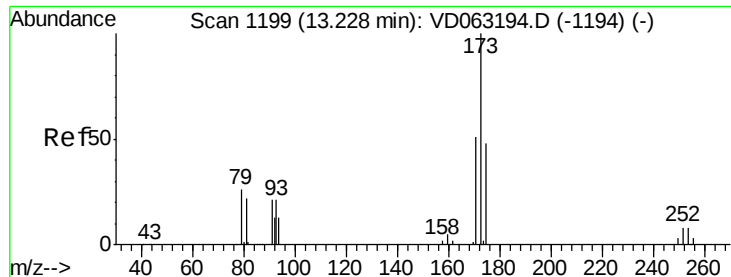
#70
Styrene
Concen: 21.107 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion:104 Resp: 454224
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.0
103 44.3 37.4 56.2



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

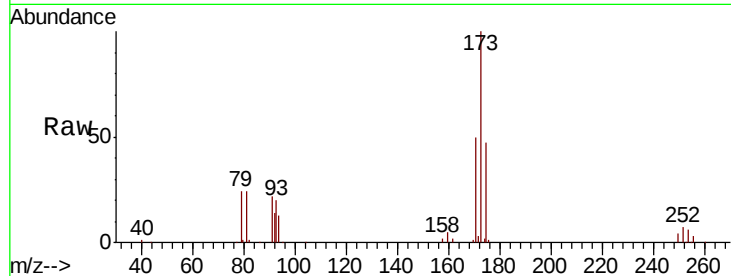




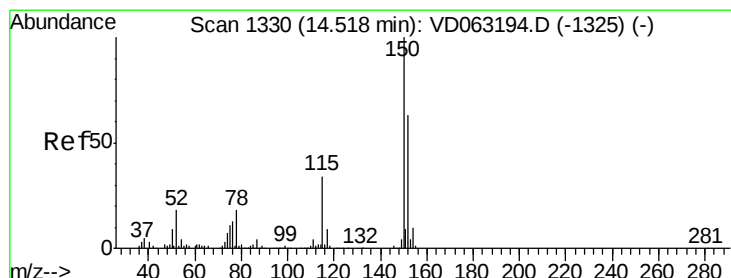
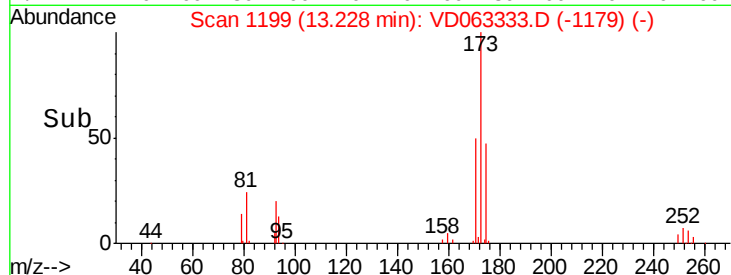
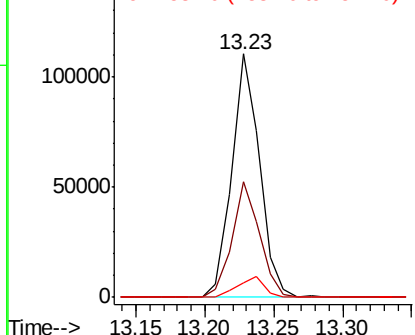
#71
Bromoform
Concen: 22.654 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion:173 Resp: 153930
Ion Ratio Lower Upper
173 100
175 47.4 23.8 71.5
254 6.1 6.6 10.0#

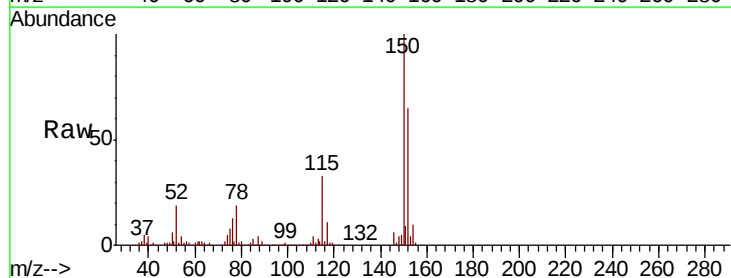


Abundance Ion 172.80 (172.50 to 173.50): V
150000 Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

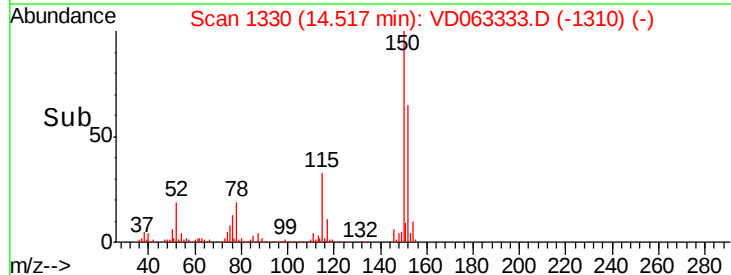
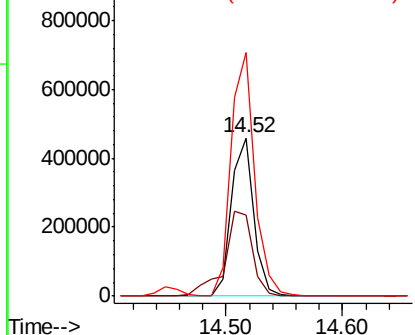


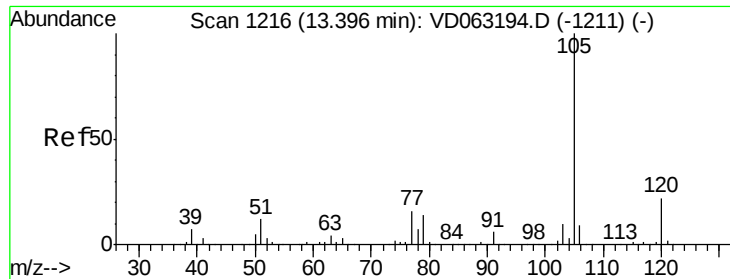
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion:152 Resp: 613715
Ion Ratio Lower Upper
152 100
115 51.3 27.5 82.4
150 154.0 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: 19.262 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

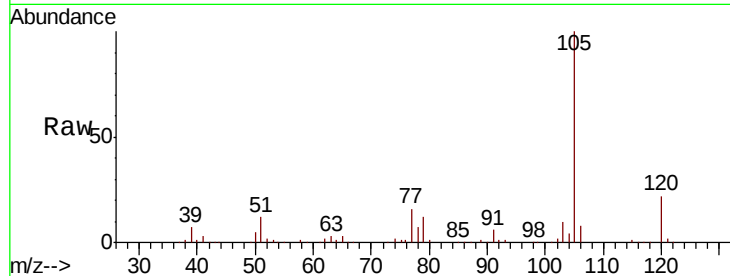
VD0802SBS02

Tgt Ion:105 Resp: 741958

Ion Ratio Lower Upper

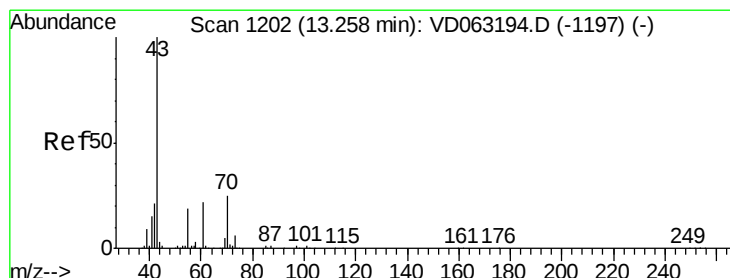
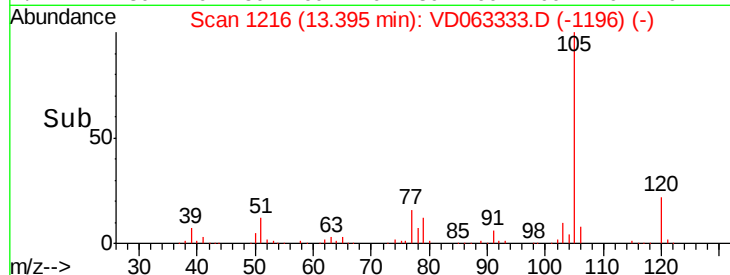
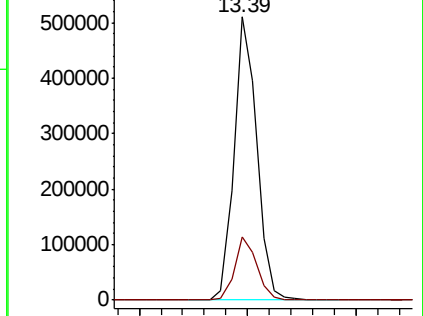
105 100

120 22.2 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: 20.248 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Tgt Ion: 43 Resp: 206182

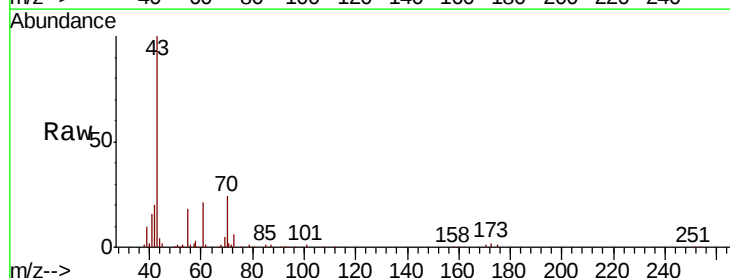
Ion Ratio Lower Upper

43 100

70 24.2 20.2 30.4

55 18.3 14.9 22.3

61 20.9 17.9 26.9

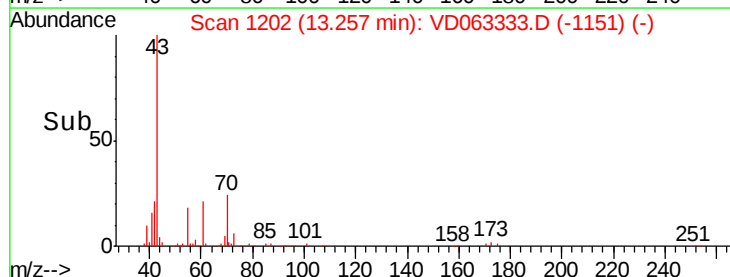
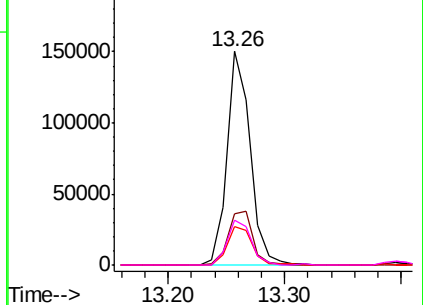


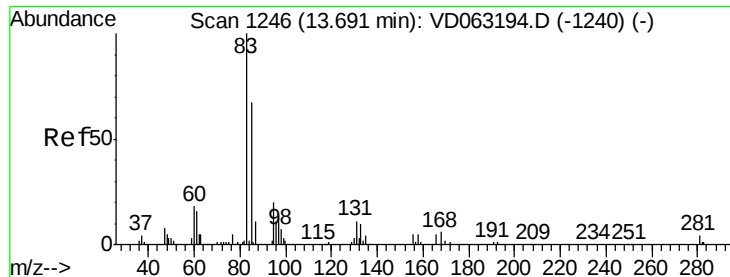
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.478 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

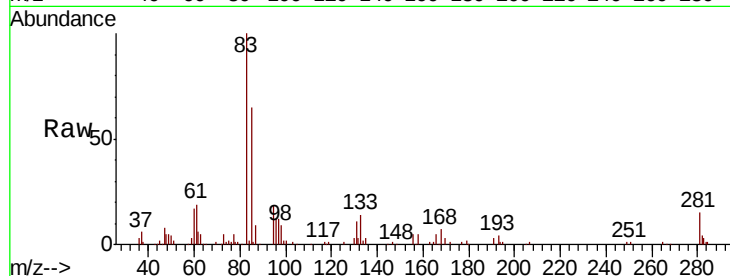
Tgt Ion: 83 Resp: 147070

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

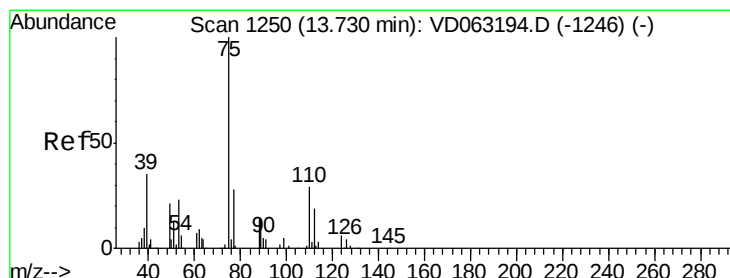
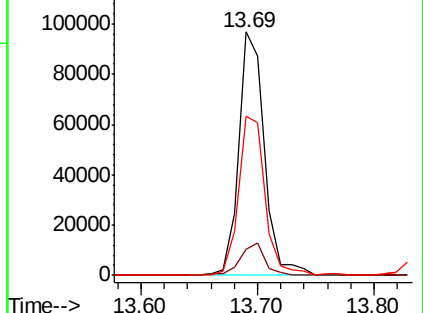
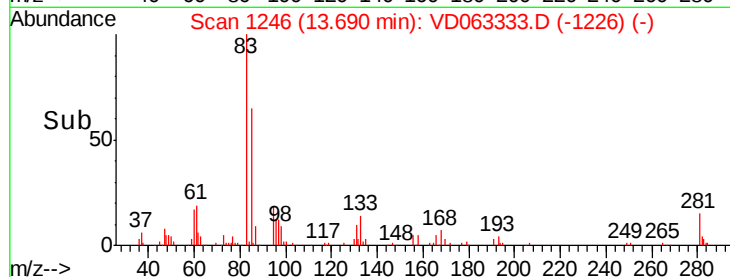
85 65.4 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.109 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063333.D

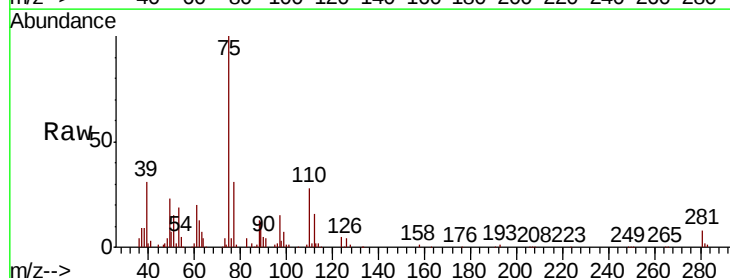
Acq: 3 Aug 2019 00:33

Tgt Ion: 75 Resp: 155606

Ion Ratio Lower Upper

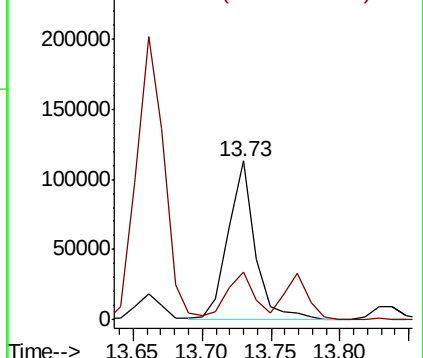
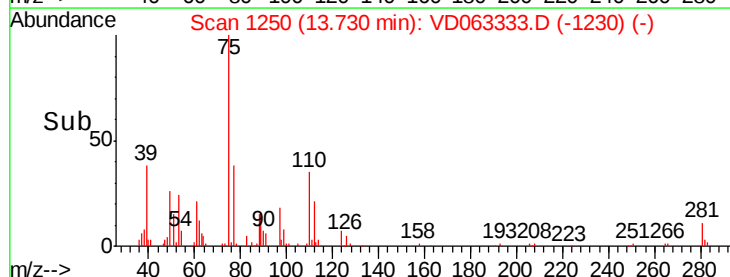
75 100

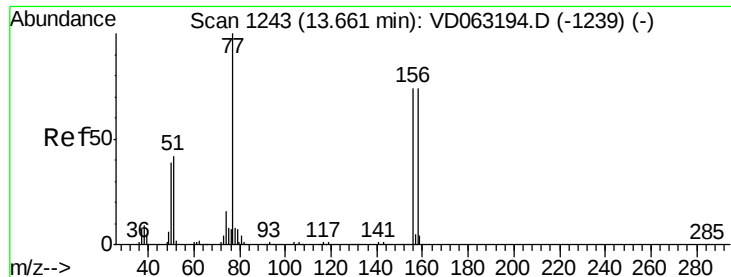
77 30.5 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.725 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

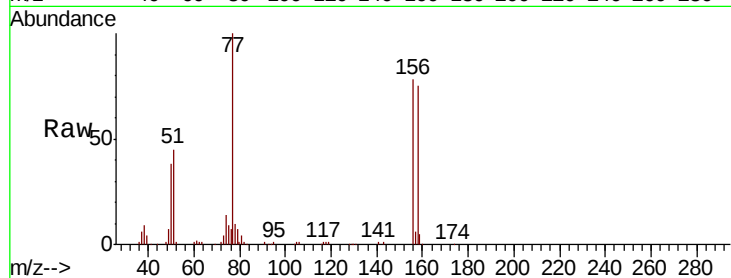
Tgt Ion:156 Resp: 227414

Ion Ratio Lower Upper

156 100

77 128.9 67.6 202.8

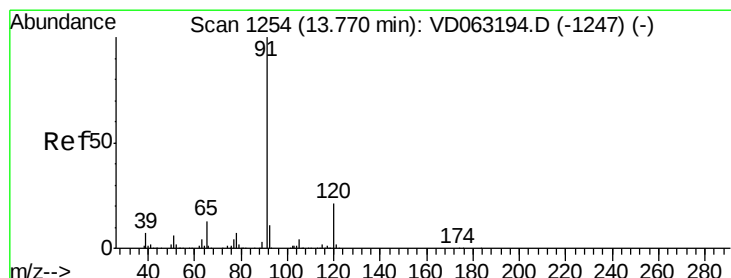
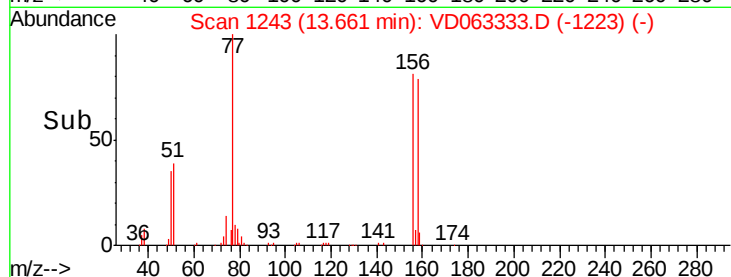
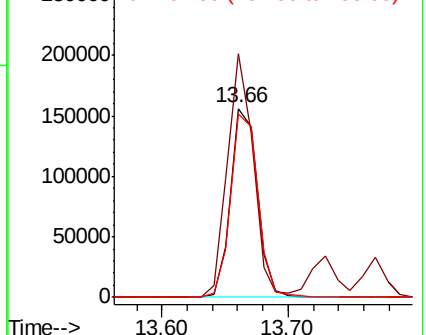
158 97.1 49.8 149.4



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: 19.559 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063333.D

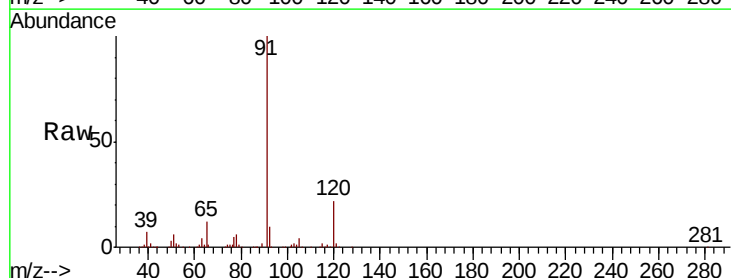
Acq: 3 Aug 2019 00:33

Tgt Ion: 91 Resp: 896559

Ion Ratio Lower Upper

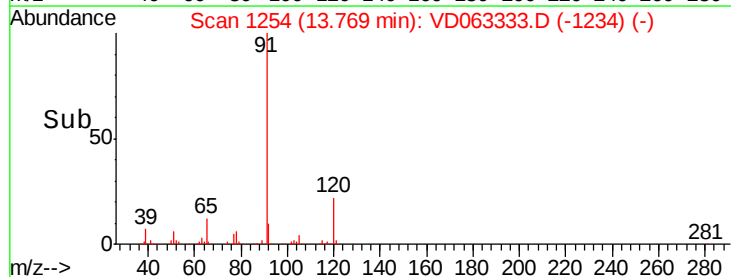
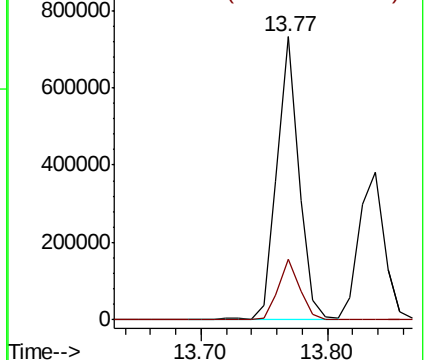
91 100

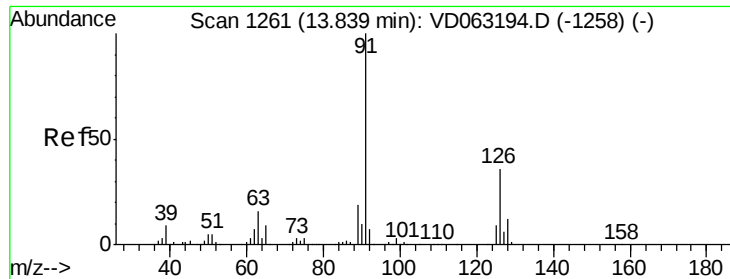
120 21.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

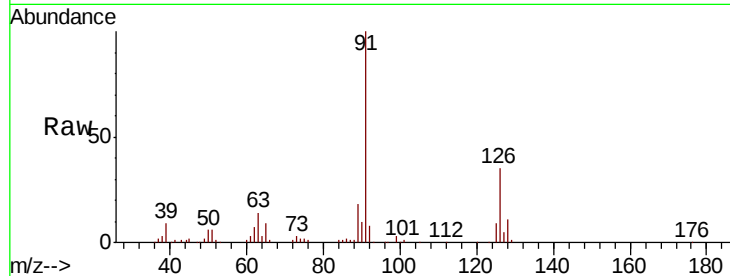




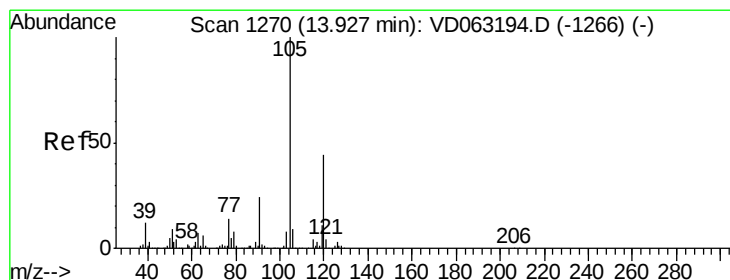
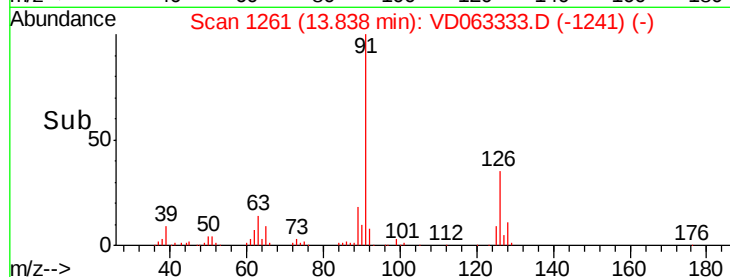
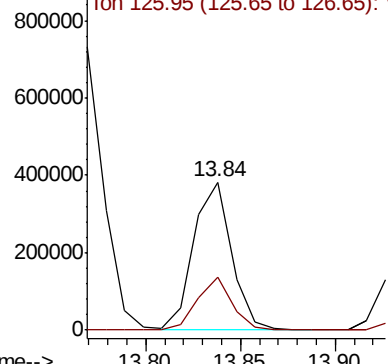
#79
 2-Chlorotoluene
 Concen: 19.773 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion: 91 Resp: 525160
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.5

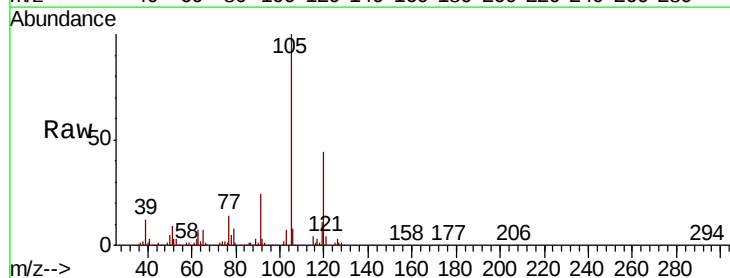


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

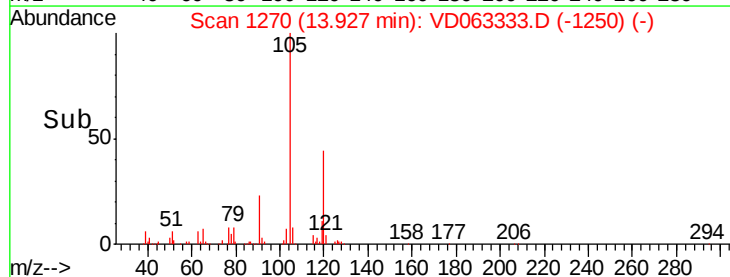
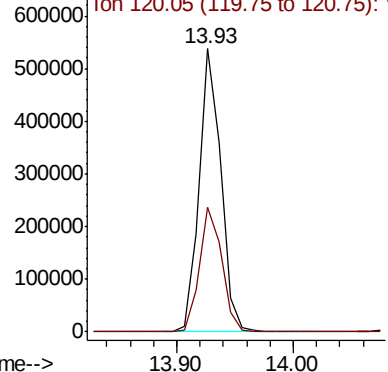


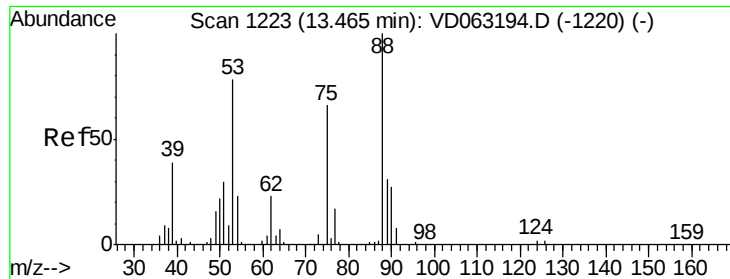
#80
 1,3,5-Trimethylbenzene
 Concen: 20.850 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 105 Resp: 692679
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

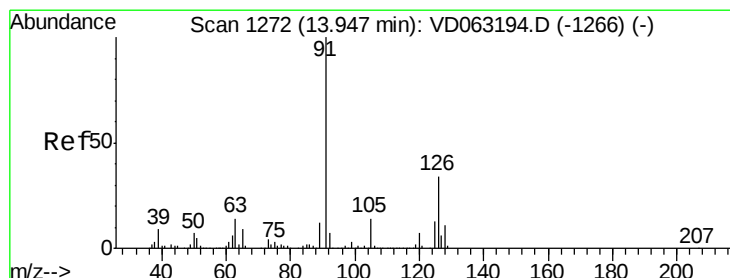
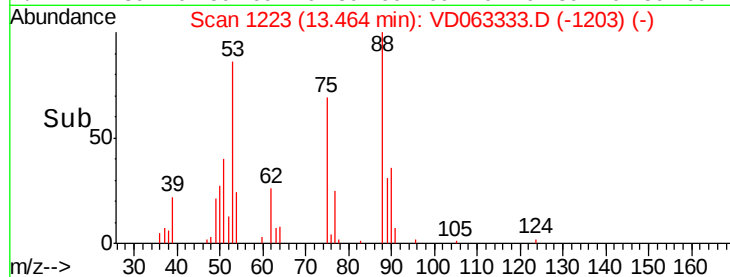
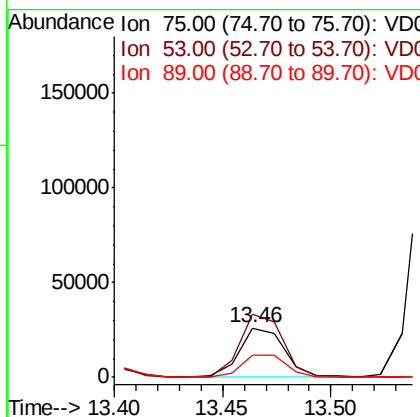
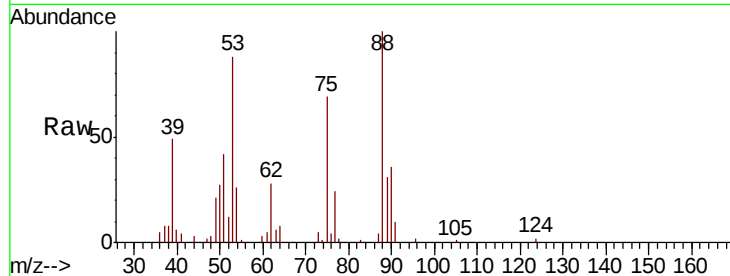




#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.540 ug/l
 RT: 13.46 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

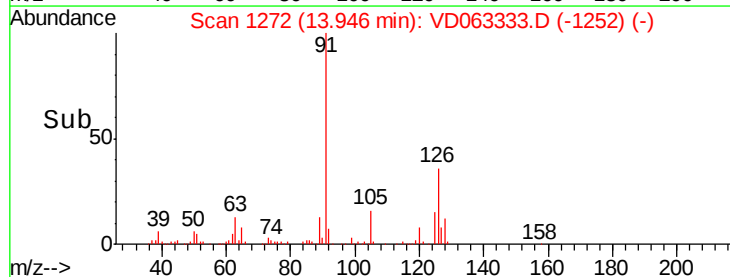
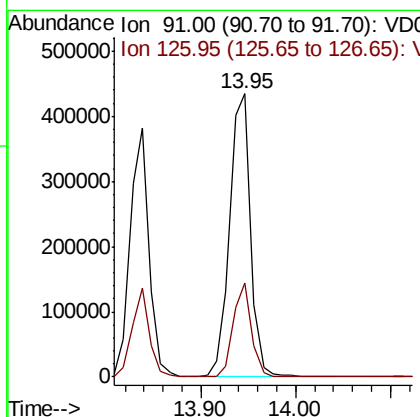
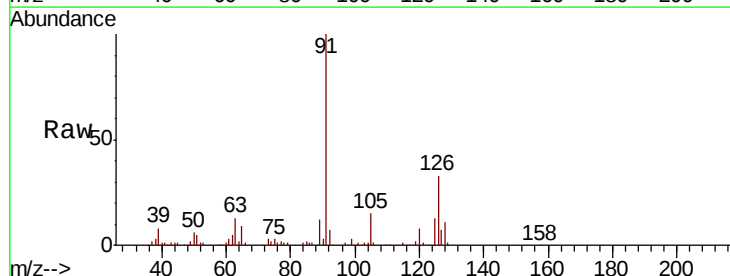
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion: 75 Resp: 37949
 Ion Ratio Lower Upper
 75 100
 53 127.1 94.9 142.3
 89 44.6 37.4 56.0



#82
 4-Chlorotoluene
 Concen: 21.442 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 91 Resp: 670229
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.1 51.2

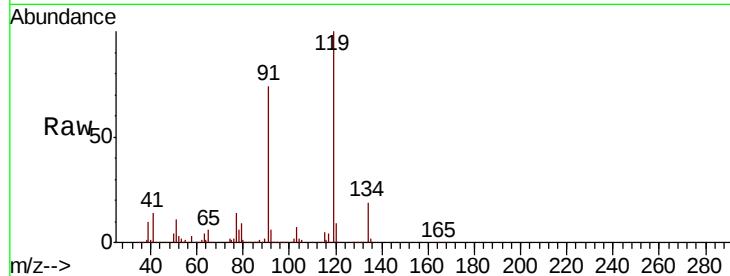




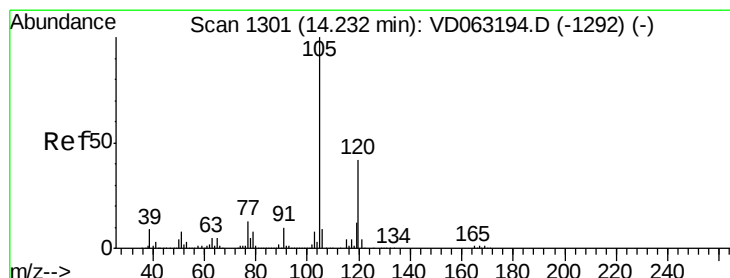
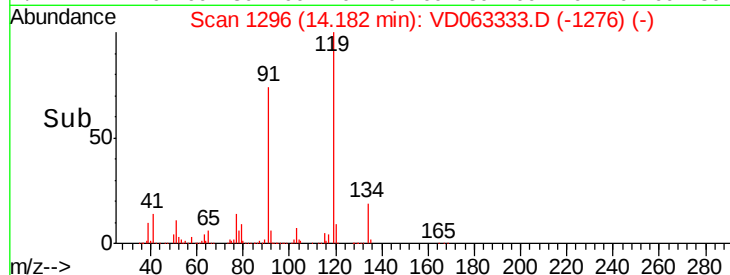
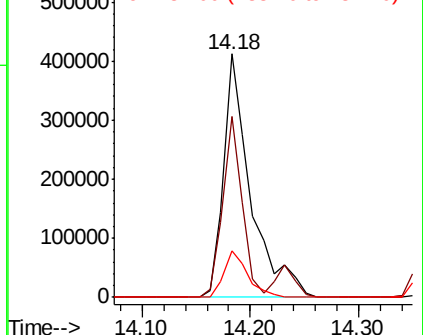
#83
 tert-Butylbenzene
 Concen: 18.899 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion:119 Resp: 716906
 Ion Ratio Lower Upper
 119 100
 91 74.1 39.1 117.5
 134 19.2 10.9 32.6

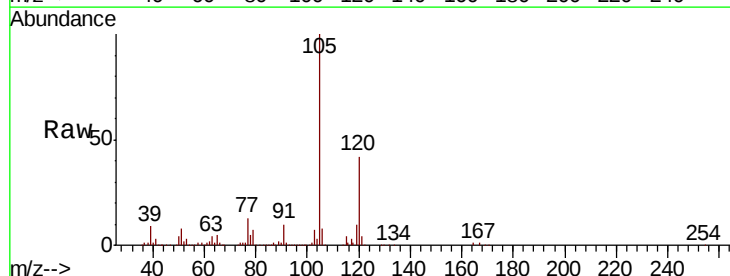


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

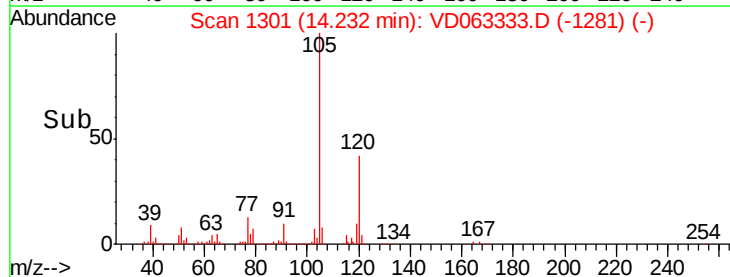
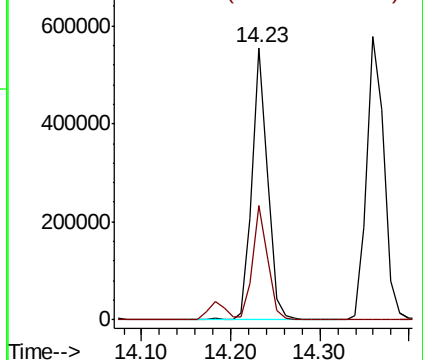


#84
 1,2,4-Trimethylbenzene
 Concen: 19.441 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion:105 Resp: 668055
 Ion Ratio Lower Upper
 105 100
 120 42.1 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

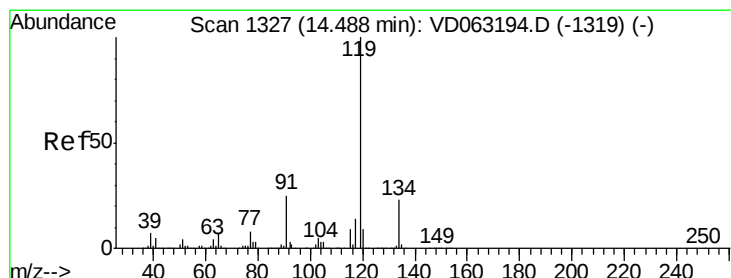
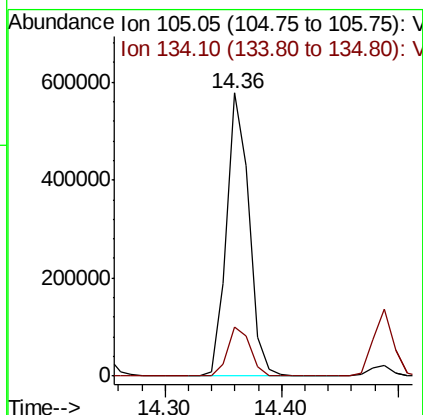
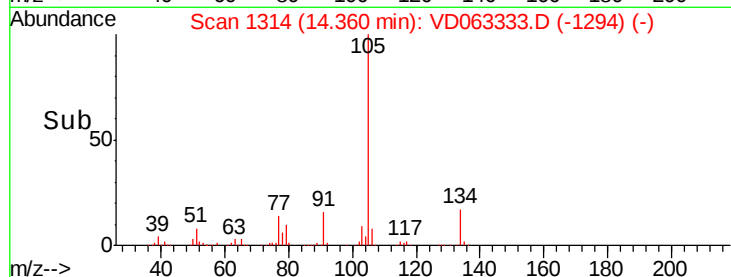
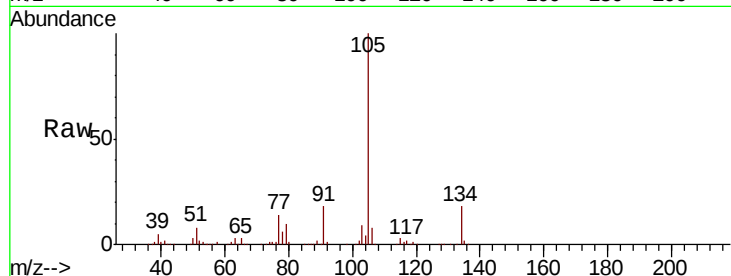




#85
 sec-Butylbenzene
 Concen: 19.328 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

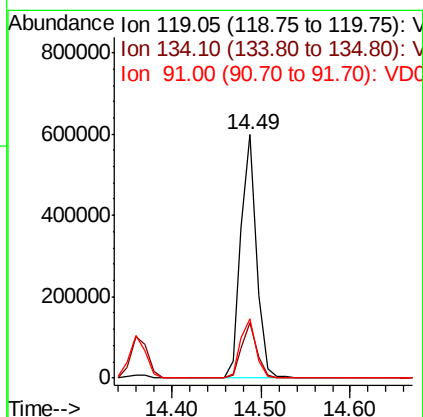
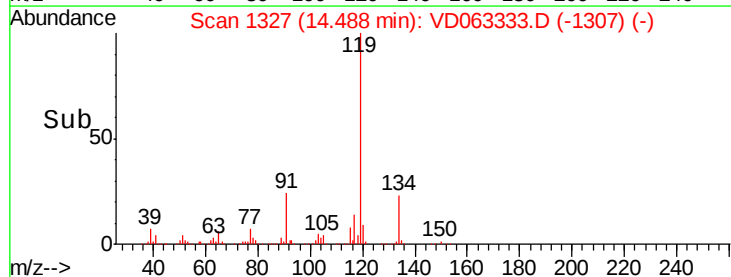
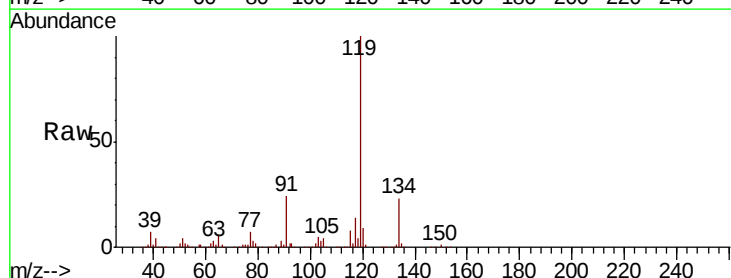
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

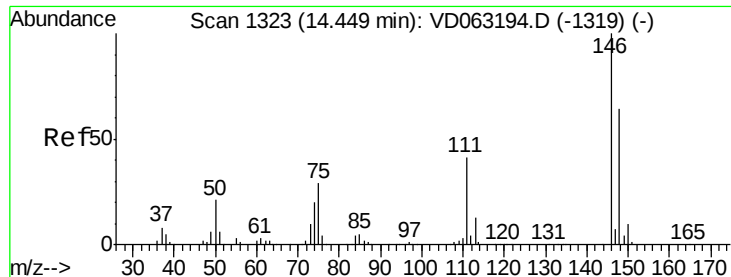
Tgt Ion:105 Resp: 772455
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 19.369 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion:119 Resp: 738827
 Ion Ratio Lower Upper
 119 100
 134 22.8 11.5 34.5
 91 24.5 12.6 37.6

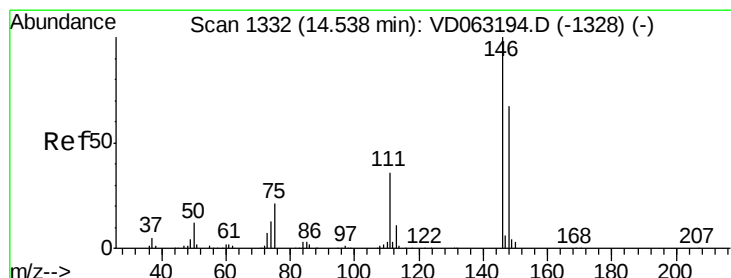
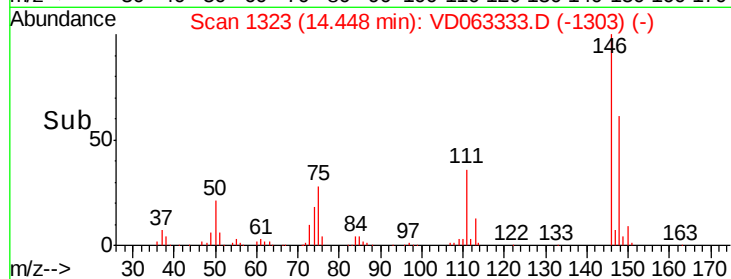
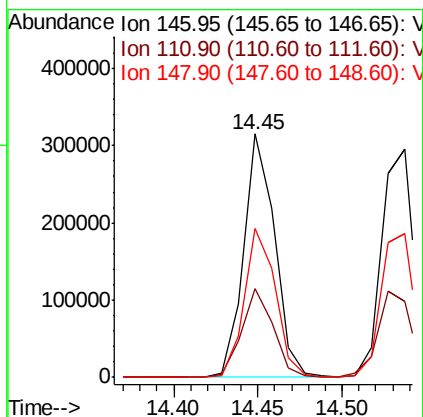
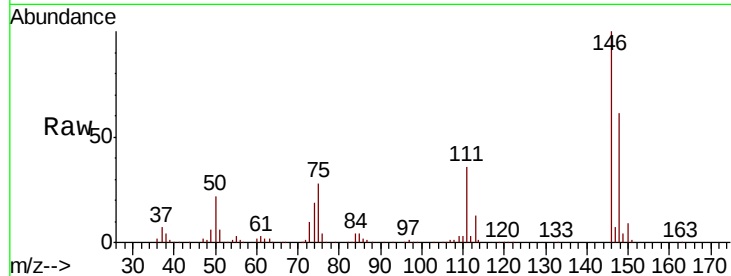




#87
 1,3-Dichlorobenzene
 Concen: 20.718 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

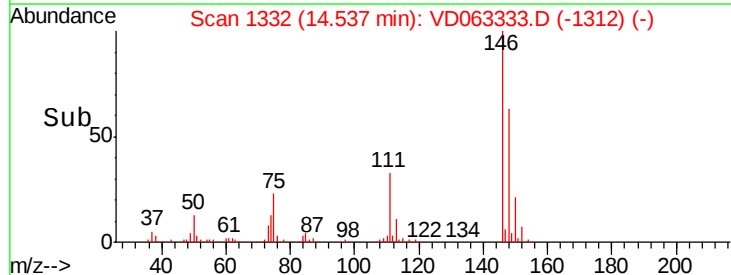
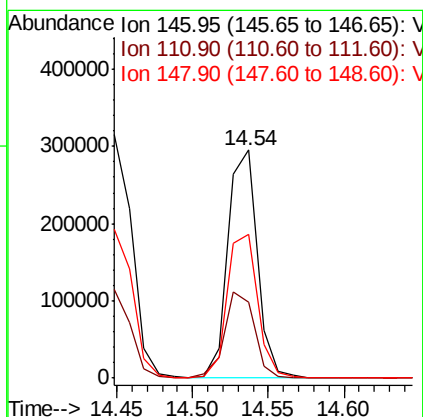
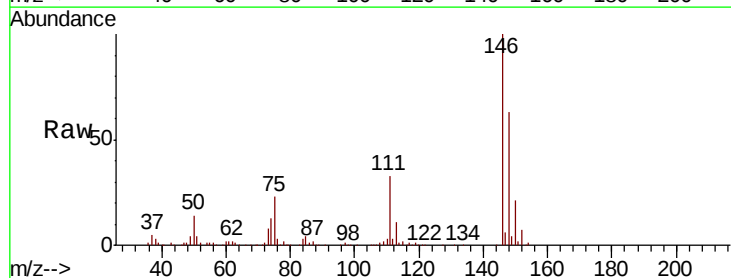
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

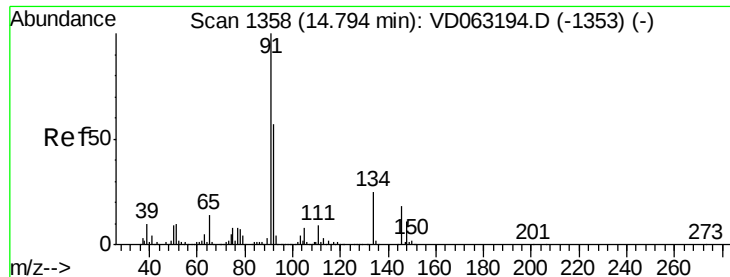
Tgt Ion:146 Resp: 402586
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.4 61.3
 148 61.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.324 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion:146 Resp: 399360
 Ion Ratio Lower Upper
 146 100
 111 33.1 18.1 54.3
 148 62.7 33.4 100.1





#89

n-Butylbenzene

Concen: 19.569 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063333.D

Acq: 3 Aug 2019 00:33

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

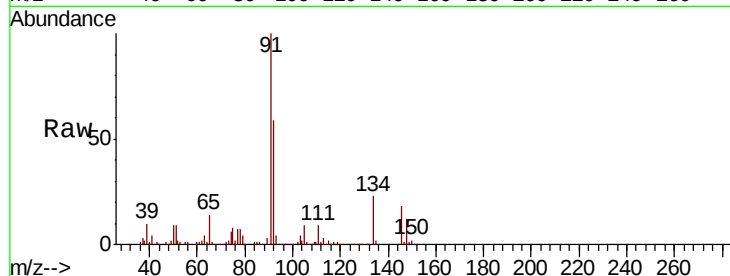
Tgt Ion: 91 Resp: 644715

Ion Ratio Lower Upper

91 100

92 59.4 28.3 85.0

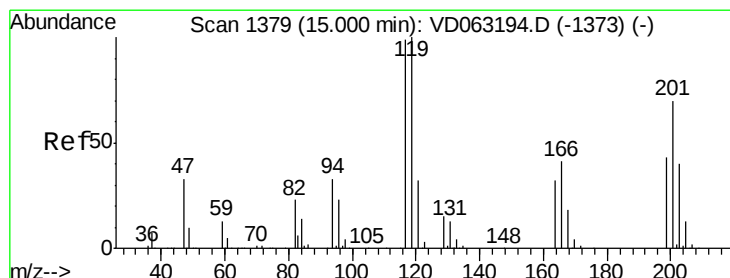
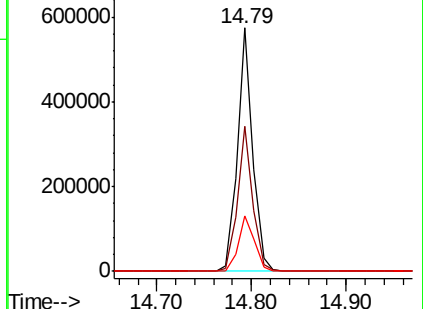
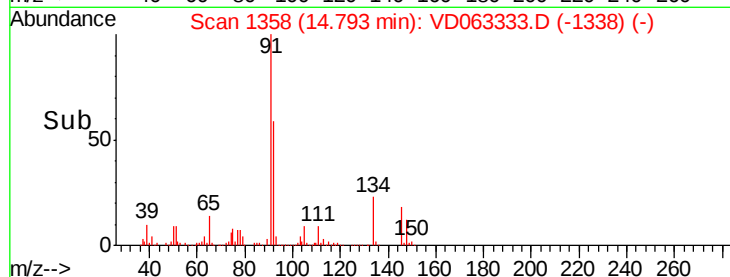
134 22.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.713 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063333.D

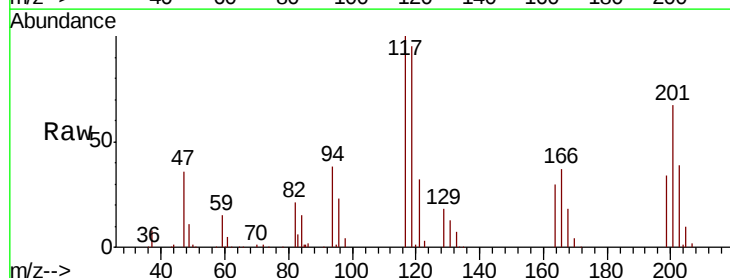
Acq: 3 Aug 2019 00:33

Tgt Ion: 117 Resp: 185970

Ion Ratio Lower Upper

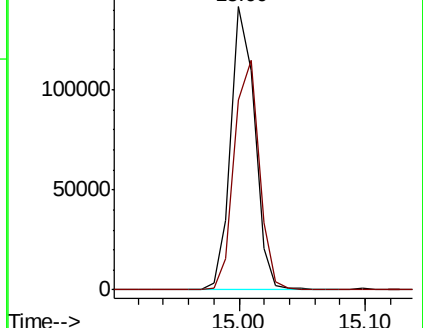
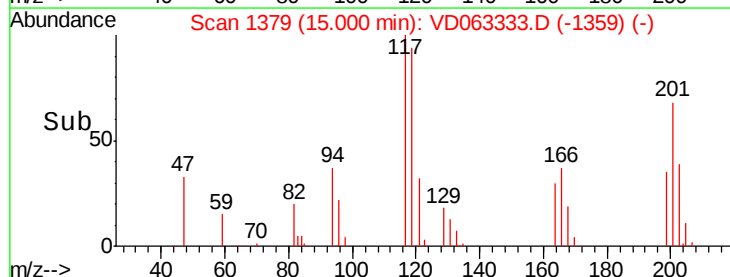
117 100

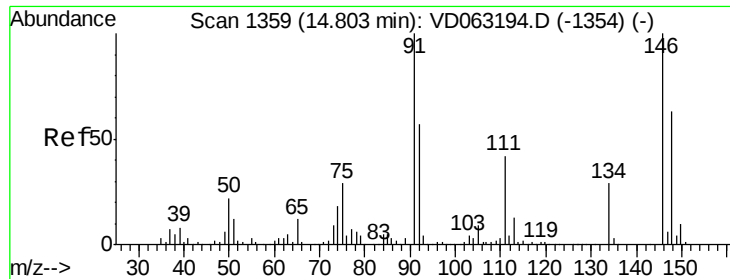
201 67.2 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

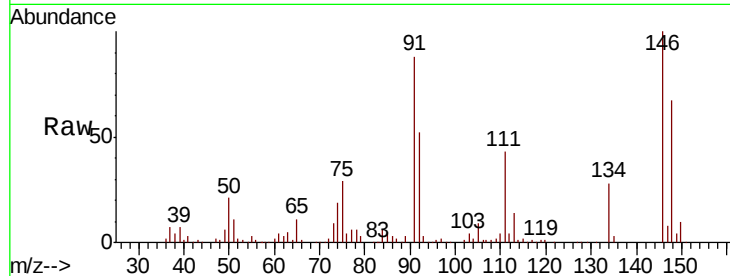




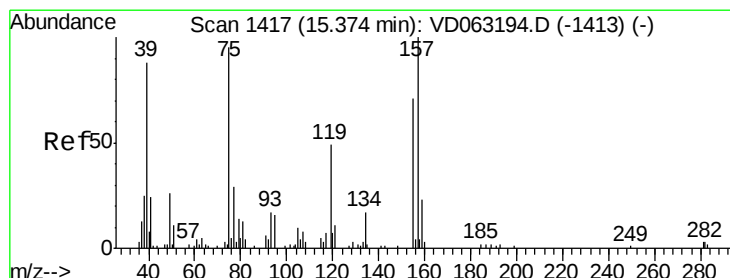
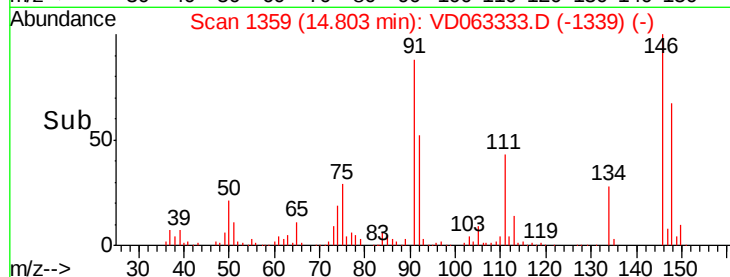
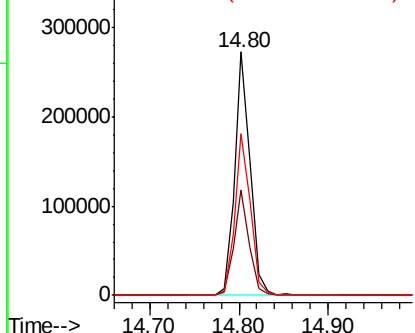
#91
 1,2-Dichlorobenzene
 Concen: 19.906 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion: 146 Resp: 337026
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.1 63.3
 148 66.6 31.6 94.8

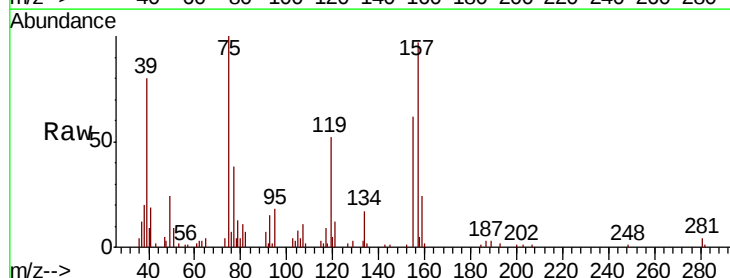


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

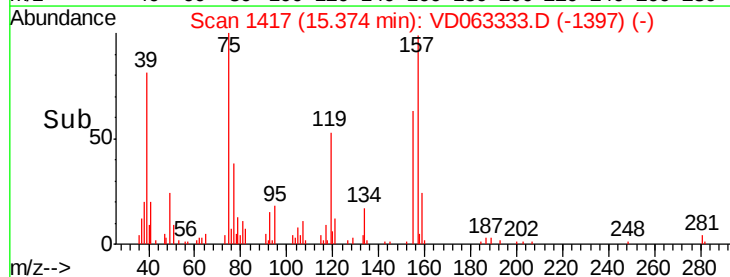
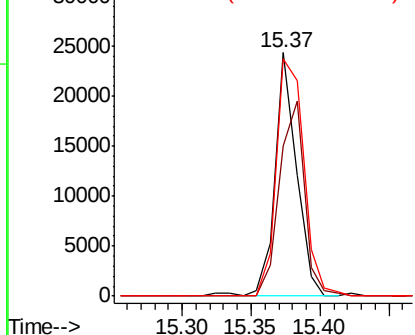


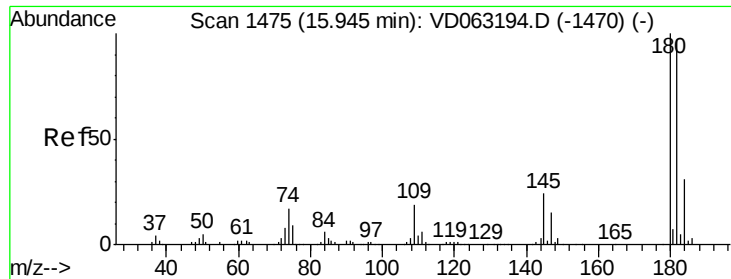
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.904 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion: 75 Resp: 26527
 Ion Ratio Lower Upper
 75 100
 155 61.7 37.0 111.0
 157 102.1 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

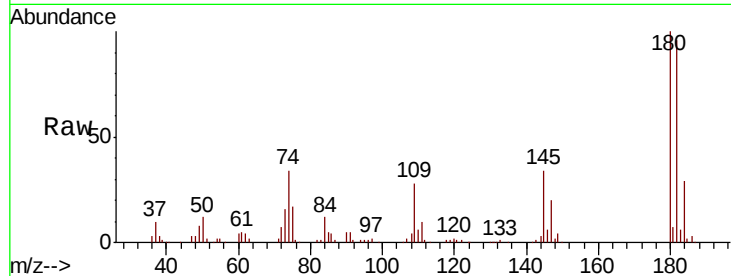




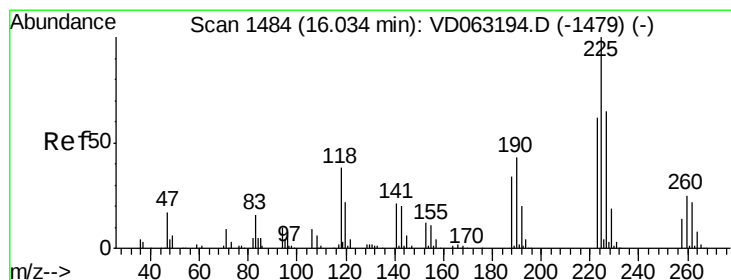
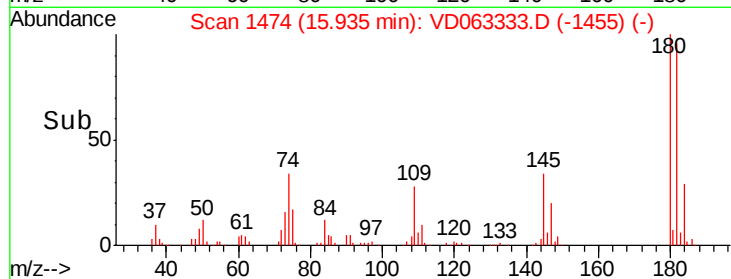
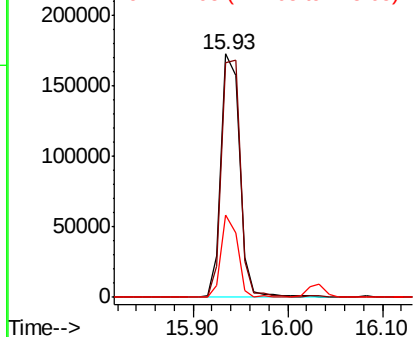
#93
 1,2,4-Trichlorobenzene
 Concen: 17.695 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS02

Tgt Ion:180 Resp: 237661
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.6 145.8
 145 33.9 12.2 36.6

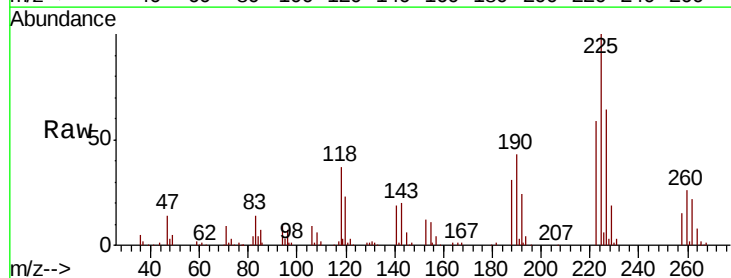


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

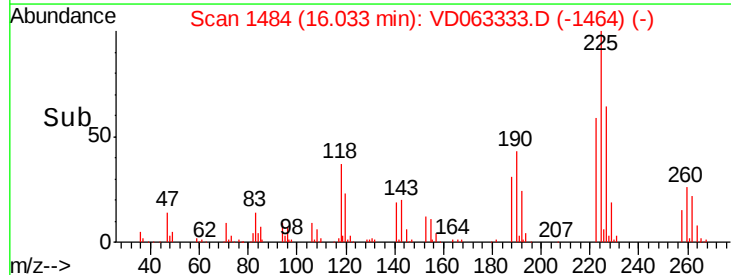
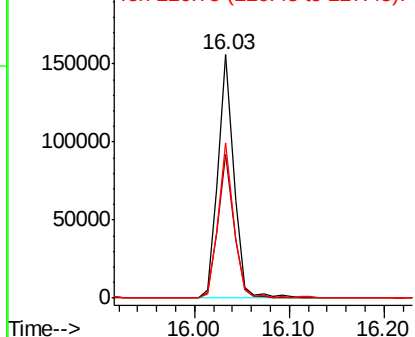


#94
 Hexachlorobutadiene
 Concen: 18.824 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063333.D
 Acq: 3 Aug 2019 00:33

Tgt Ion:225 Resp: 183216
 Ion Ratio Lower Upper
 225 100
 223 58.8 30.9 92.5
 227 63.7 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

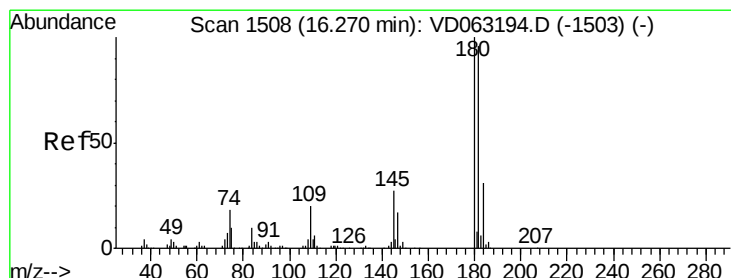
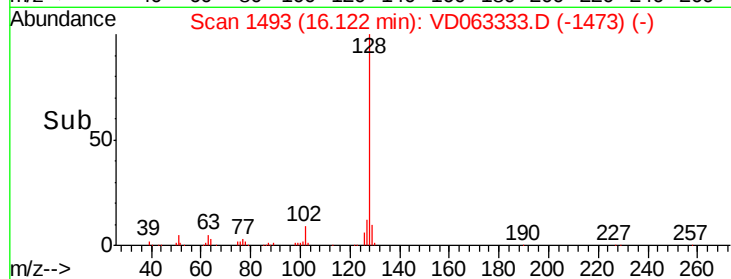
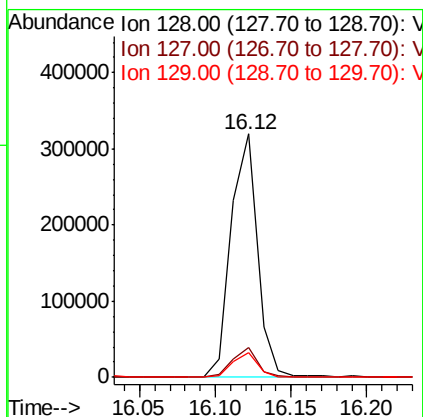
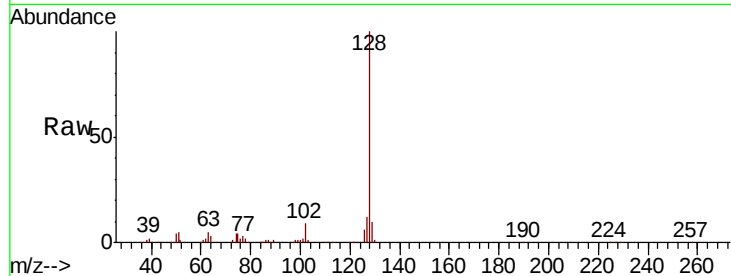




#95
Naphthalene
Concen: 20.474 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS02

Tgt Ion:128 Resp: 388680
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.4
129 10.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 19.966 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063333.D
Acq: 3 Aug 2019 00:33

Tgt Ion:180 Resp: 211853
Ion Ratio Lower Upper
180 100
182 92.9 48.3 144.9
145 27.0 13.6 40.7

