

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063432.D
 Acq On : 8 Aug 2019 12:27
 Operator : JC/SY
 Sample : VD0808SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Quant Time: Aug 09 06:55:50 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	7.06	168	1044586	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1467991	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1186184	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	616725	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	597727	51.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	6.94	113	662183	52.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	10.42	98	1553444	55.38	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.76%	
62) 4-Bromofluorobenzene	13.56	95	657481	51.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	263033	20.600	ug/l	96
3) Chloromethane	1.75	50	216704	21.844	ug/l	94
4) Vinyl Chloride	1.85	62	220953	21.515	ug/l	96
5) Bromomethane	2.15	94	89488	17.277	ug/l	99
6) Chloroethane	2.26	64	99465	20.977	ug/l	99
7) Trichlorofluoromethane	2.54	101	416395	20.899	ug/l	97
8) Diethyl Ether	2.88	74	55209	19.800	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	252400	22.870	ug/l	97
10) Methyl Iodide	3.32	142	278309	17.456	ug/l	92
11) Tert butyl alcohol	4.10	59	43412	85.347	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	190225	23.478	ug/l #	77
13) Acrolein	3.04	56	34041	69.538	ug/l	99
14) Allyl chloride	3.63	41	266292	20.631	ug/l	96
15) Acrylonitrile	4.21	53	137763	104.466	ug/l	93
16) Acetone	3.24	43	223540	98.985	ug/l	99
17) Carbon Disulfide	3.37	76	544768	20.088	ug/l #	95
18) Methyl Acetate	3.65	43	95741	22.071	ug/l #	90
19) Methyl tert-butyl Ether	4.25	73	379366	20.728	ug/l	96
20) Methylene Chloride	3.82	84	198375	21.732	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	192316	21.155	ug/l	87
22) Diisopropyl ether	5.14	45	552728	21.434	ug/l	97
23) Vinyl Acetate	5.07	43	1599136	100.883	ug/l	99
24) 1,1-Dichloroethane	5.00	63	345481	20.974	ug/l	97
25) 2-Butanone	6.09	43	238020	105.021	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	355448	20.940	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	214650	22.022	ug/l	88
28) Bromochloromethane	6.45	49	153218	23.347	ug/l	85
29) Tetrahydrofuran	6.48	42	114595	106.796	ug/l	98
30) Chloroform	6.68	83	419352	20.515	ug/l	97
31) Cyclohexane	6.97	56	202583	19.622	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	407432	20.606	ug/l	99
36) 1,1-Dichloropropene	7.15	75	270755	20.210	ug/l	94
37) Ethyl Acetate	6.20	43	123000	20.436	ug/l #	95
38) Carbon Tetrachloride	7.13	117	408634	20.260	ug/l	92

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 ClientSampleId :
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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)
39) Methylcyclohexane	8.88	83	228991	20.515	ug/l	94
40) Benzene	7.47	78	585345	20.847	ug/l	97
41) Methacrylonitrile	6.46	41	152755	21.217	ug/l #	86
42) 1,2-Dichloroethane	7.60	62	309464	20.796	ug/l	100
43) Isopropyl Acetate	9.25	43	155182	20.184	ug/l #	96
44) Trichloroethene	8.55	130	229816	20.199	ug/l	94
45) 1,2-Dichloropropane	8.95	63	141898	19.883	ug/l	89
46) Dibromomethane	9.07	93	125439	21.139	ug/l	90
47) Bromodichloromethane	9.39	83	310853	20.550	ug/l	99
48) Methyl methacrylate	9.13	41	109644	21.988	ug/l	97
49) 1,4-Dioxane	9.09	88	20667	487.156	ug/l #	81
51) 4-Methyl-2-Pentanone	10.31	43	556896	106.506	ug/l	99
52) Toluene	10.52	92	381457	20.426	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	270600	20.750	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	302538	22.073	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	137673	21.828	ug/l	91
56) Ethyl methacrylate	11.05	69	142988	20.703	ug/l	98
57) 1,3-Dichloropropane	11.42	76	211557	21.289	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	402204	111.919	ug/l	96
59) 2-Hexanone	11.55	43	384693	102.092	ug/l	100
60) Dibromochloromethane	11.69	129	236440	19.858	ug/l	98
61) 1,2-Dibromoethane	11.82	107	161395	20.738	ug/l	98
64) Tetrachloroethene	11.27	164	198554	21.011	ug/l	91
65) Chlorobenzene	12.41	112	487585	21.371	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	217279	21.620	ug/l	96
67) Ethyl Benzene	12.53	91	812462	20.962	ug/l	99
68) m/p-Xylenes	12.68	106	629120	44.261	ug/l	95
69) o-Xylene	13.06	106	277811	21.284	ug/l	98
70) Styrene	13.08	104	489568	21.149	ug/l	99
71) Bromoform	13.24	173	150521	20.595	ug/l	96
73) Isopropylbenzene	13.41	105	903190	23.334	ug/l	97
74) N-amyl acetate	13.27	43	224275	21.917	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	153951	23.414	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	157682	21.286	ug/l	98
77) Bromobenzene	13.68	156	240907	21.848	ug/l	83
78) n-propylbenzene	13.78	91	1042922	22.641	ug/l	100
79) 2-Chlorotoluene	13.85	91	611622	22.915	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	691628	20.717	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	38595	18.763	ug/l	97
82) 4-Chlorotoluene	13.96	91	673218	21.433	ug/l	100
83) tert-Butylbenzene	14.19	119	783951	20.566	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	728624	21.100	ug/l	97
85) sec-Butylbenzene	14.37	105	858902	21.386	ug/l	97
86) p-Isopropyltoluene	14.50	119	740731	19.324	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	429354	21.987	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	423587	21.451	ug/l	97
89) n-Butylbenzene	14.80	91	765860	23.133	ug/l	98
90) Hexachloroethane	15.01	117	210266	21.054	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	384518	22.600	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26522	19.803	ug/l	93

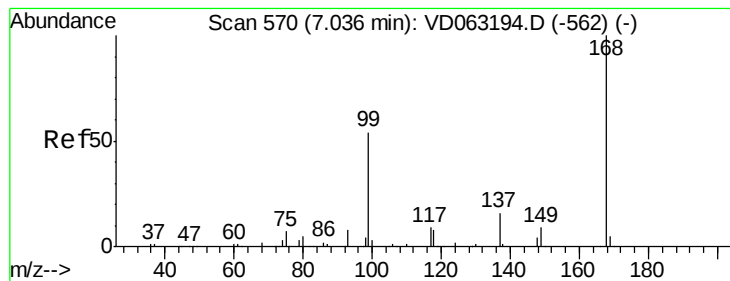
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
Data File : VD063432.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	274153	20.312	ug/l	97
94) Hexachlorobutadiene	16.04	225	198875	20.333	ug/l	98
95) Naphthalene	16.13	128	409894	21.486	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	207492	19.460	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

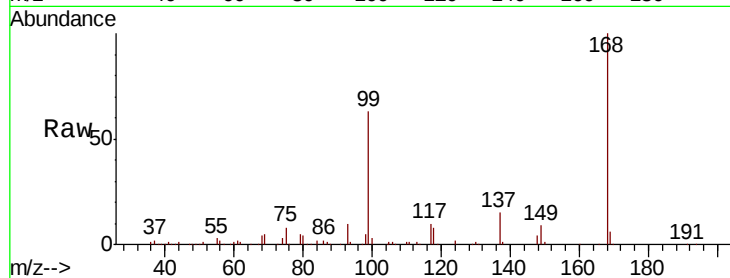
VD0808SBS01

Tgt Ion:168 Resp: 1044586

Ion Ratio Lower Upper

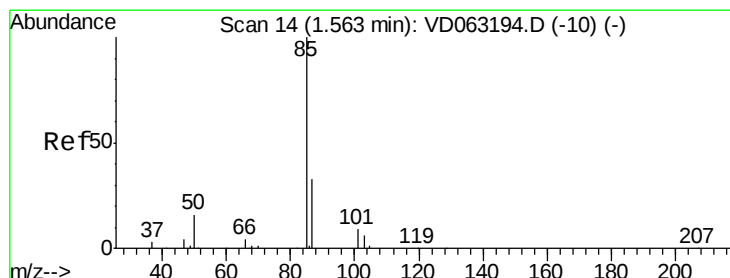
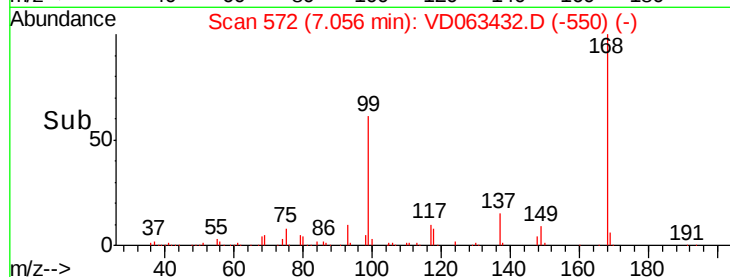
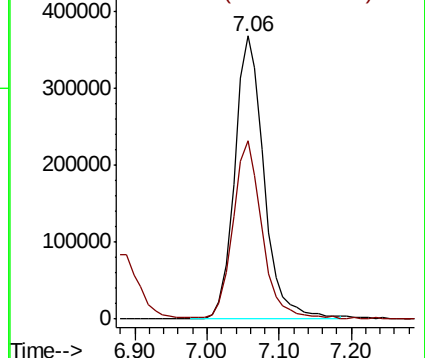
168 100

99 63.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.600 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063432.D

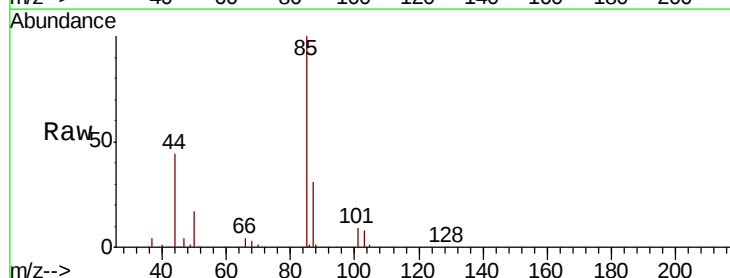
Acq: 8 Aug 2019 12:27

Tgt Ion: 85 Resp: 263033

Ion Ratio Lower Upper

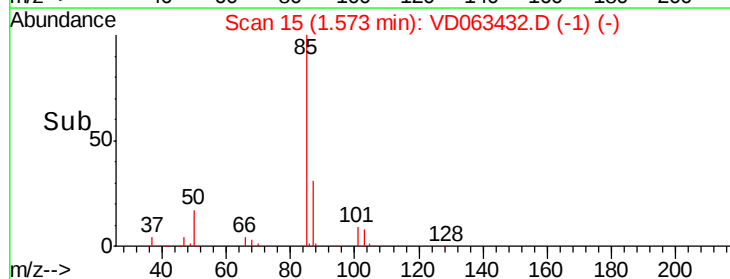
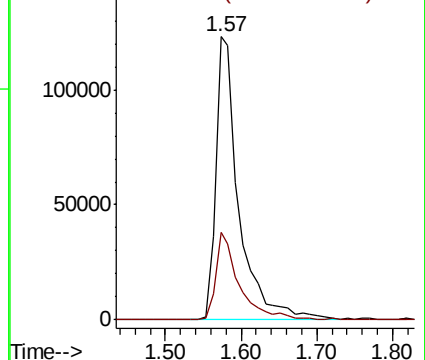
85 100

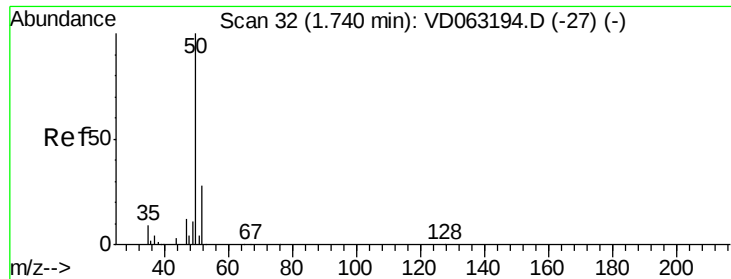
87 31.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.844 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

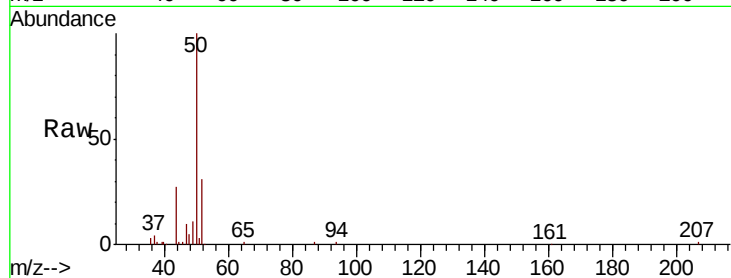
VD0808SBS01

Tgt Ion: 50 Resp: 216704

Ion Ratio Lower Upper

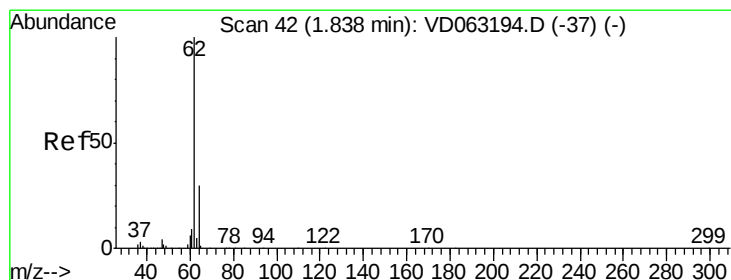
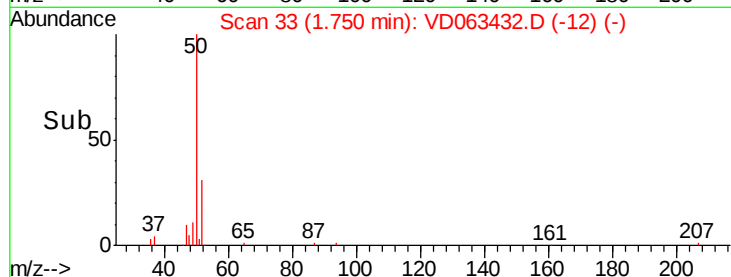
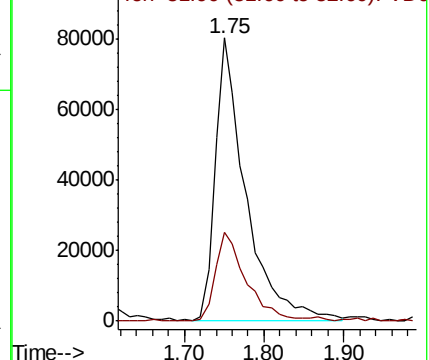
50 100

52 31.5 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: 21.515 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063432.D

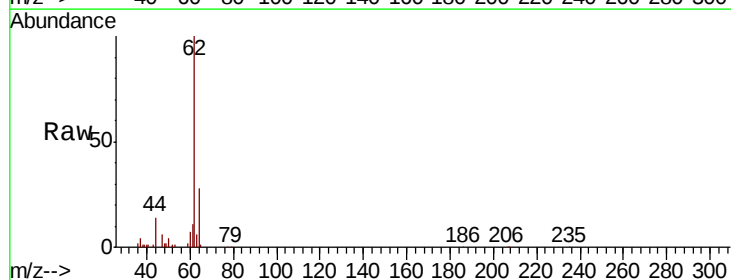
Acq: 8 Aug 2019 12:27

Tgt Ion: 62 Resp: 220953

Ion Ratio Lower Upper

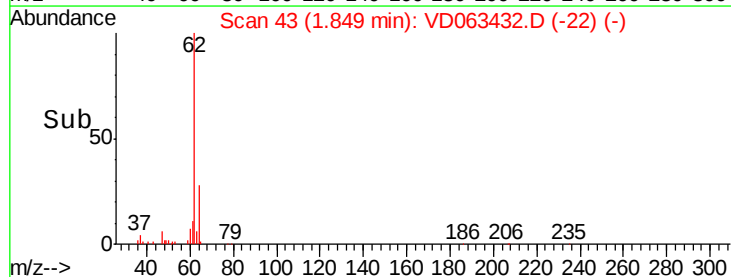
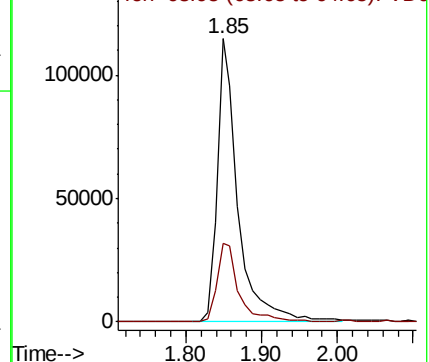
62 100

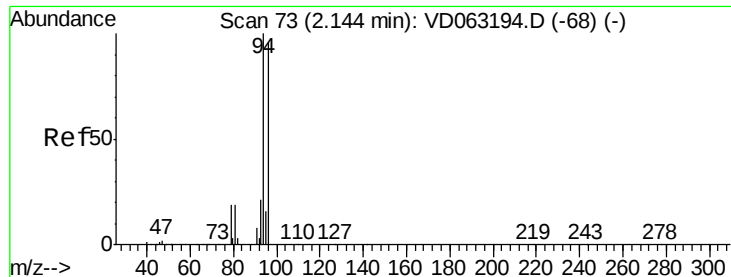
64 27.9 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.277 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

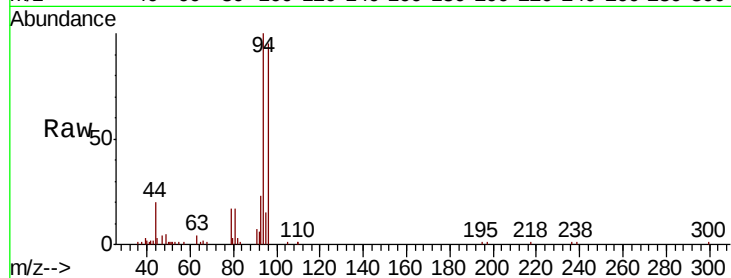
Tgt Ion: 94 Resp: 89488

Ion Ratio Lower Upper

94 100

96 94.8 76.4 114.6

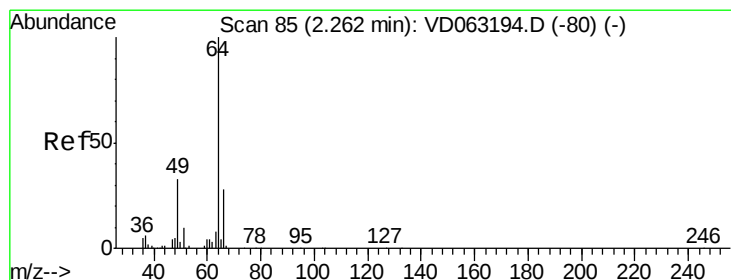
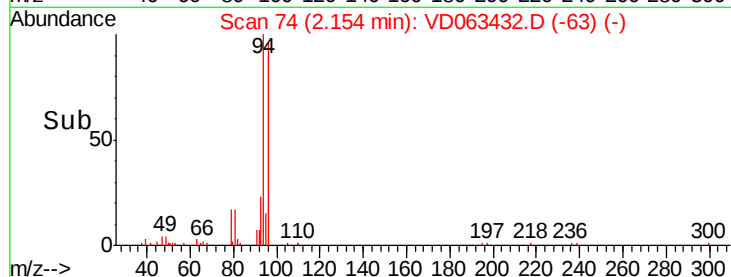
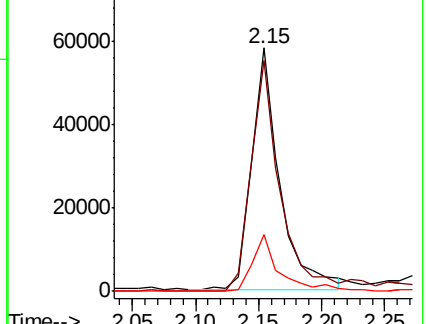
93 23.1 17.3 25.9



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: 20.977 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063432.D

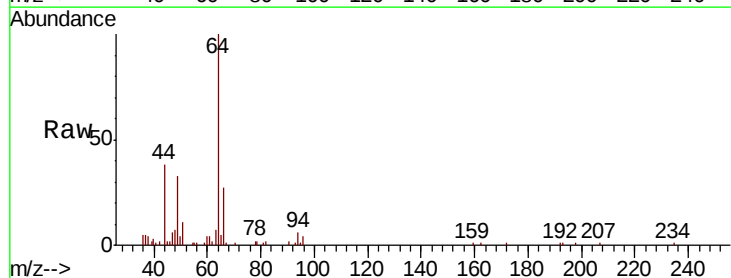
Acq: 8 Aug 2019 12:27

Tgt Ion: 64 Resp: 99465

Ion Ratio Lower Upper

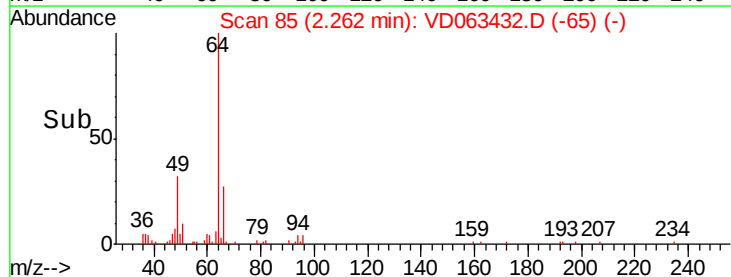
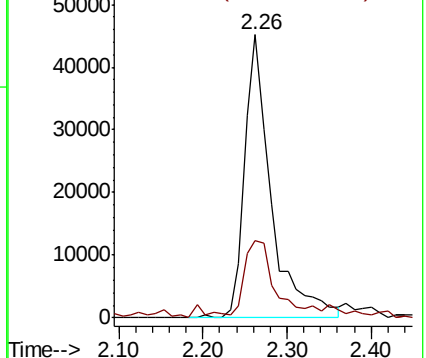
64 100

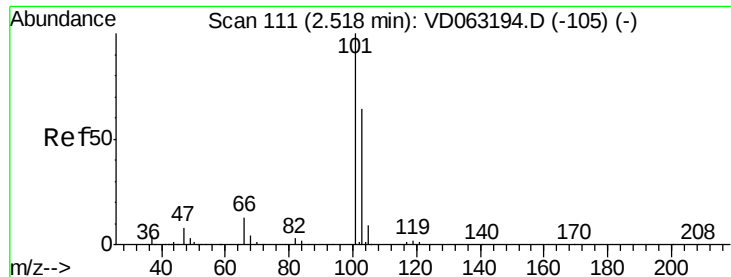
66 27.4 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



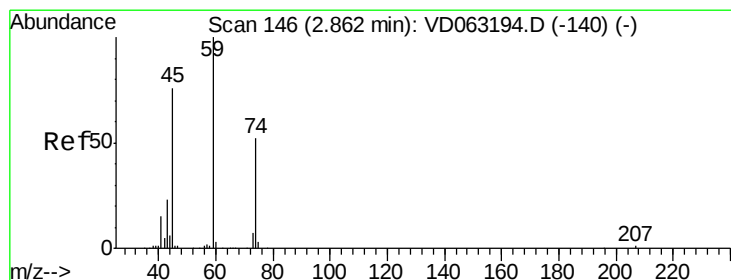
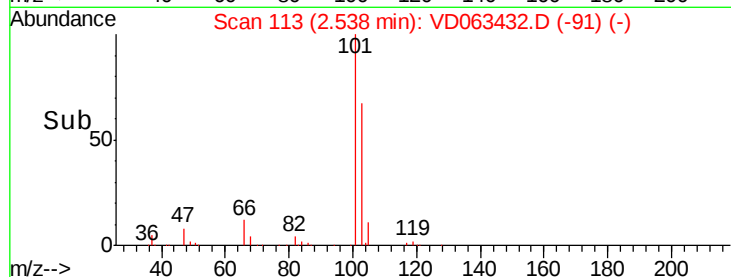
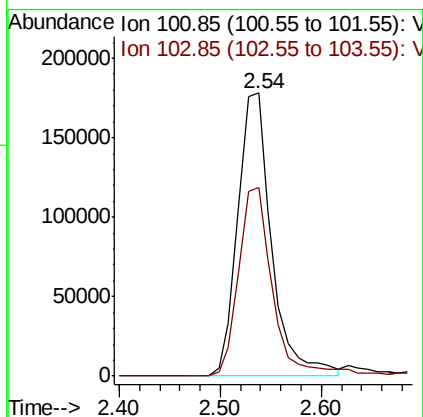
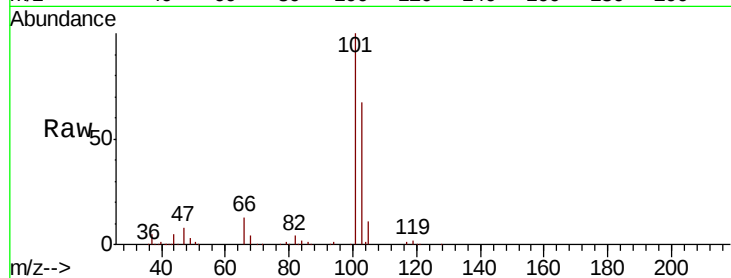


#7

Trichlorofluoromethane
 Concen: 20.899 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

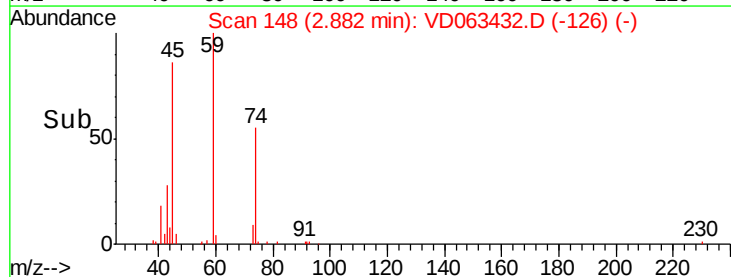
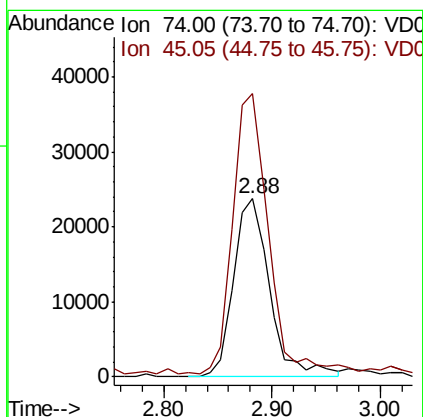
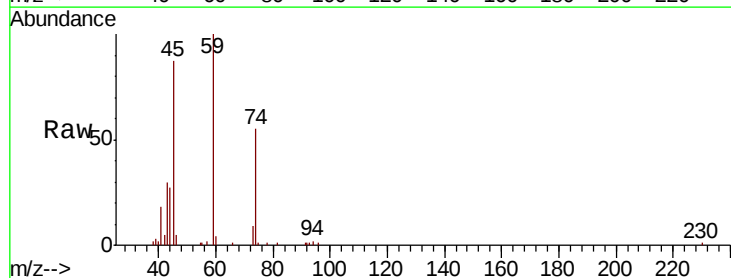
Tgt Ion:101 Resp: 416395
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.5 77.3

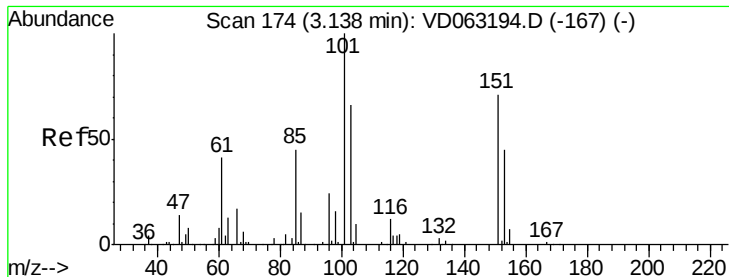


#8

Diethyl Ether
 Concen: 19.800 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion: 74 Resp: 55209
 Ion Ratio Lower Upper
 74 100
 45 159.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.870 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

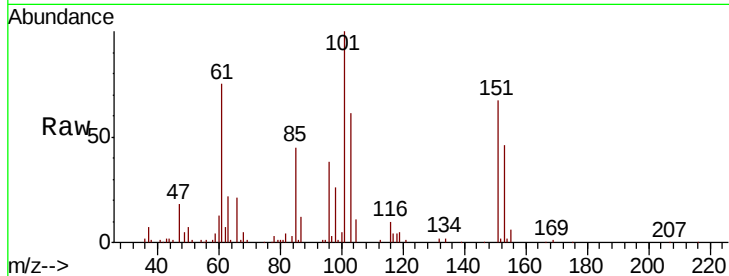
Tgt Ion:101 Resp: 252400

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

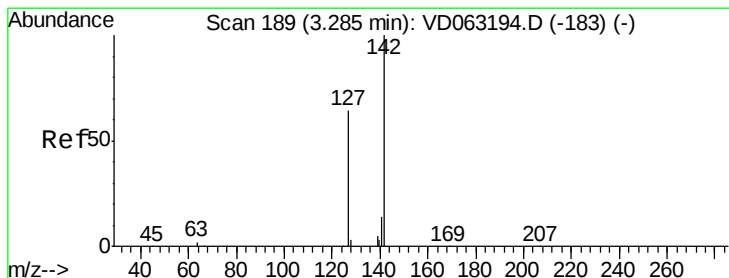
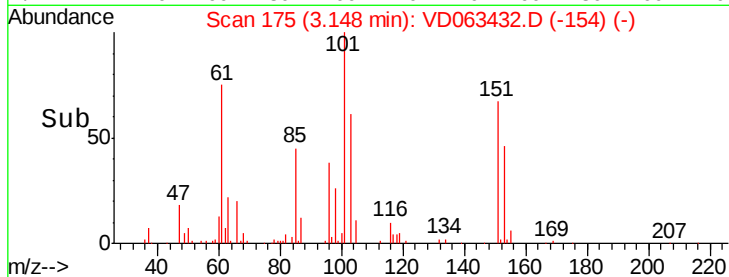
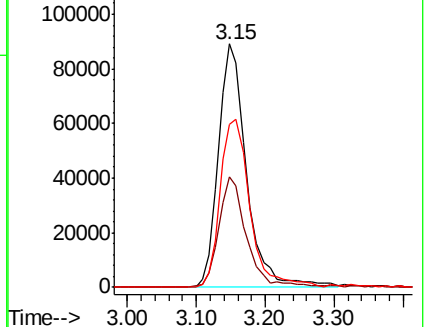
151 67.0 57.1 85.7



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: 17.456 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

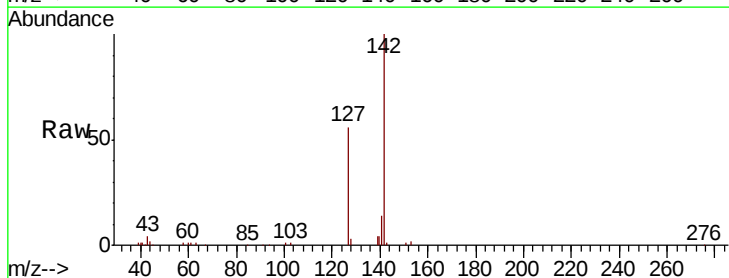
Tgt Ion:142 Resp: 278309

Ion Ratio Lower Upper

142 100

127 56.3 50.8 76.2

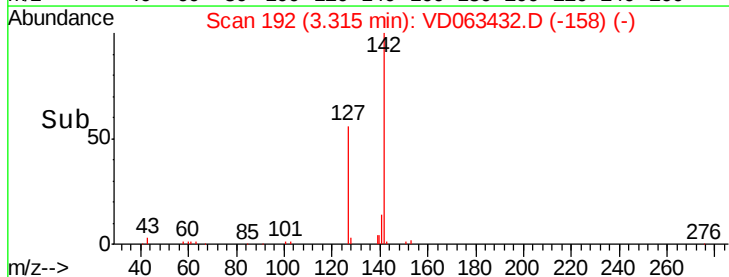
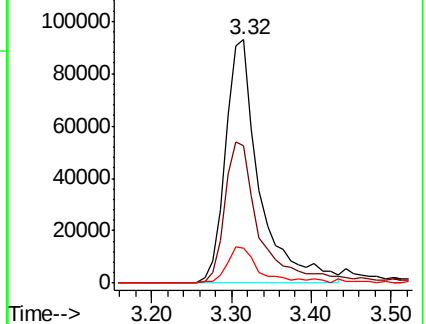
141 14.4 11.4 17.2

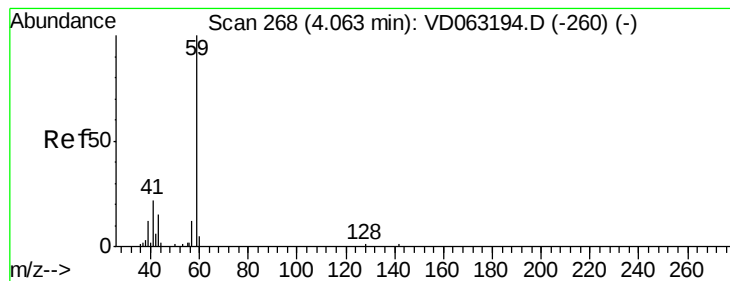


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 85.347 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.04 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

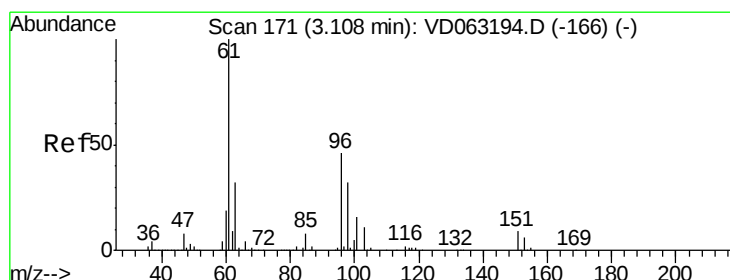
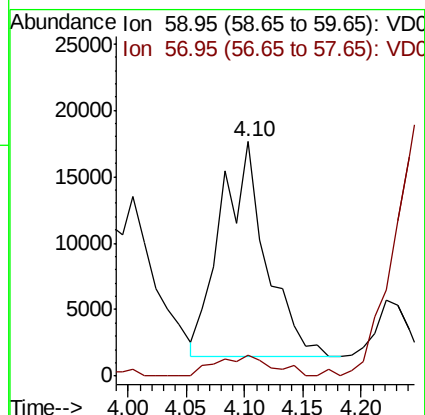
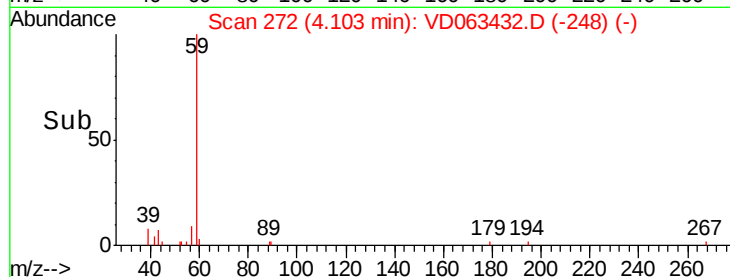
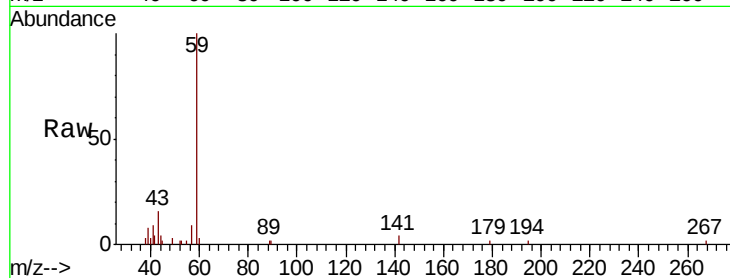
VD0808SBS01

Tgt Ion: 59 Resp: 43412

Ion Ratio Lower Upper

59 100

57 9.2 9.6 14.4#



#12

1,1-Dichloroethene

Concen: 23.478 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

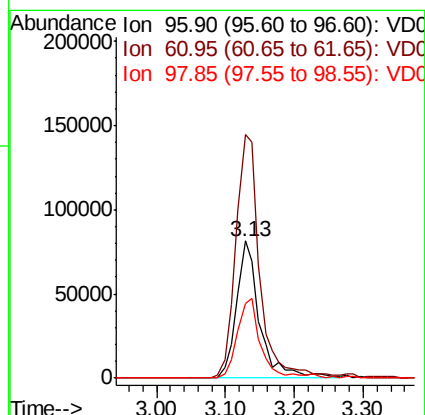
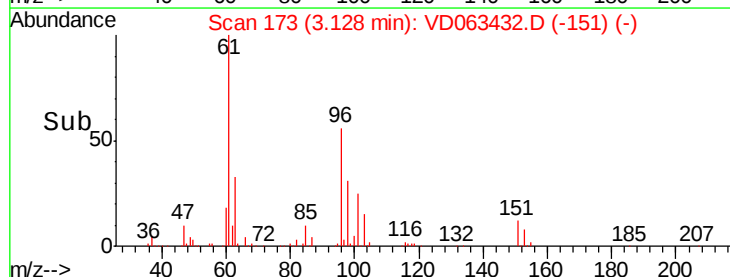
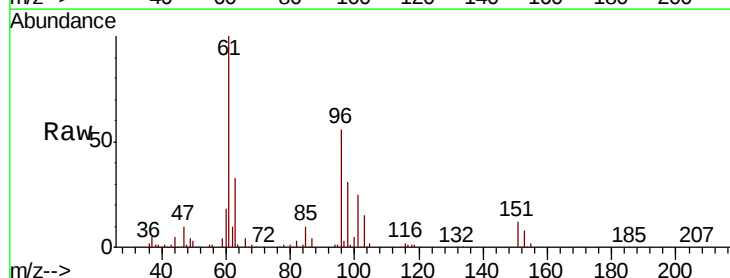
Tgt Ion: 96 Resp: 190225

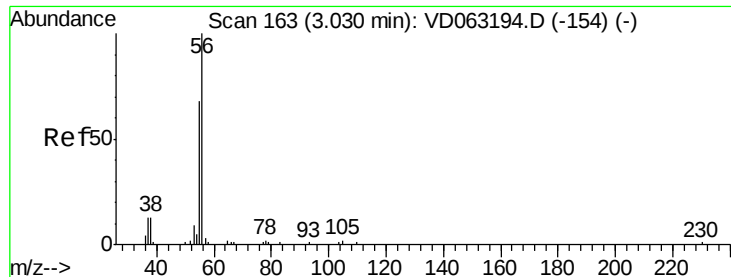
Ion Ratio Lower Upper

96 100

61 177.8 173.7 260.5

98 54.6 55.8 83.8#





#13

Acrolein

Concen: 69.538 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

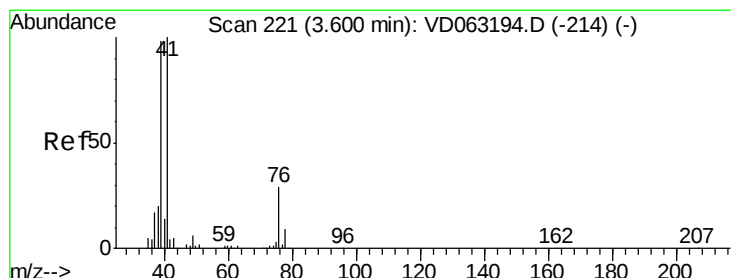
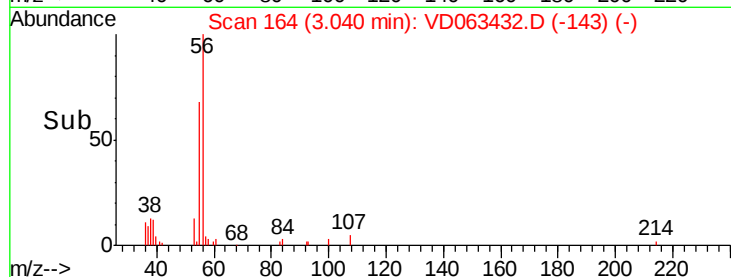
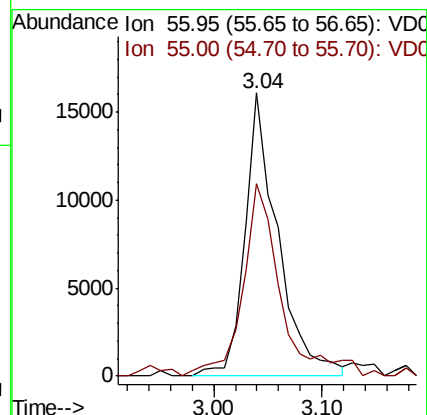
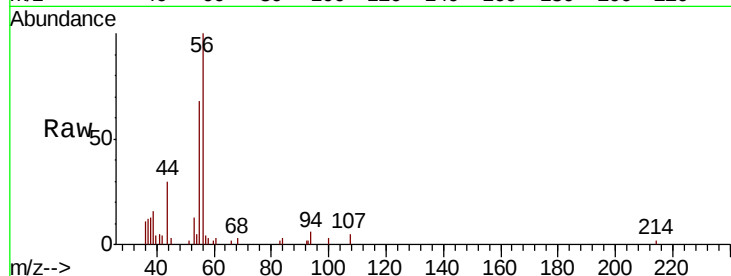
VD0808SBS01

Tgt Ion: 56 Resp: 34041

Ion Ratio Lower Upper

56 100

55 68.2 55.3 82.9



#14

Allyl chloride

Concen: 20.631 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

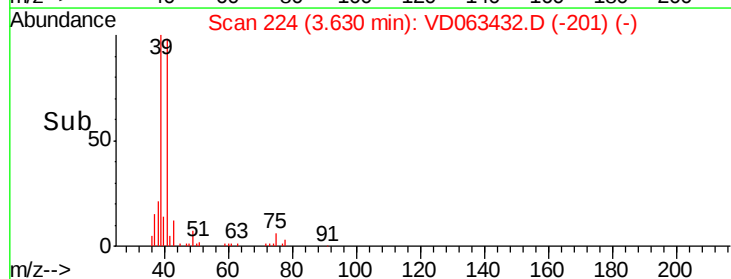
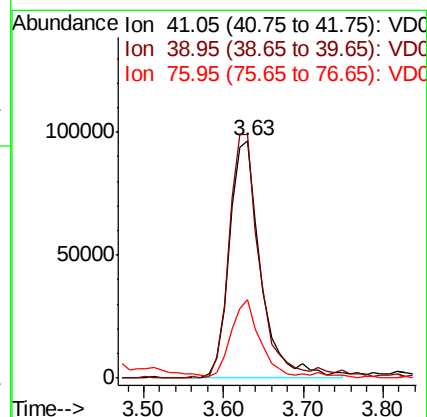
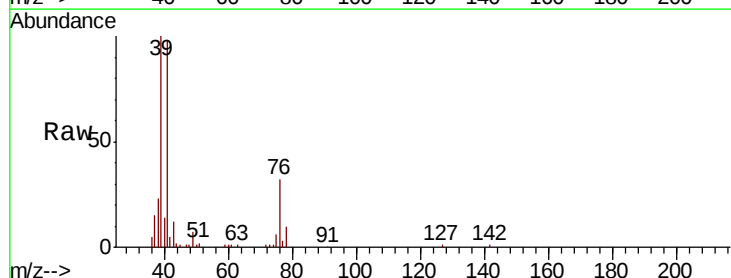
Tgt Ion: 41 Resp: 266292

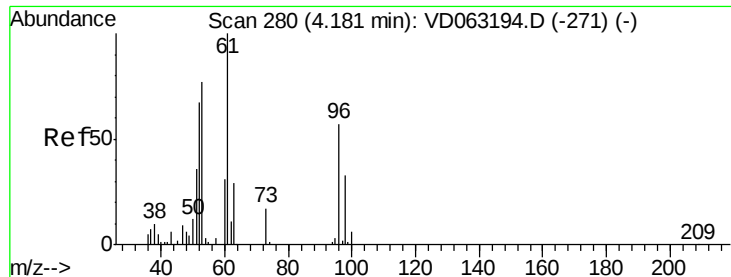
Ion Ratio Lower Upper

41 100

39 102.5 78.6 117.8

76 32.8 24.5 36.7





#15

Acrylonitrile

Concen: 104.466 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

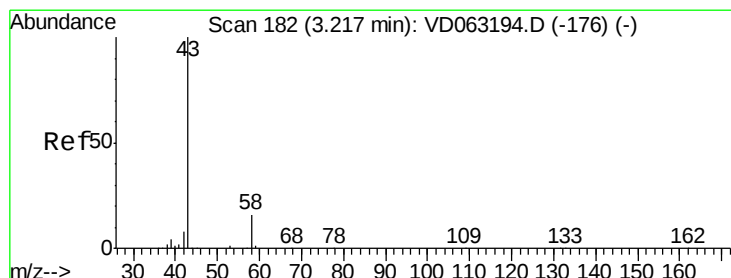
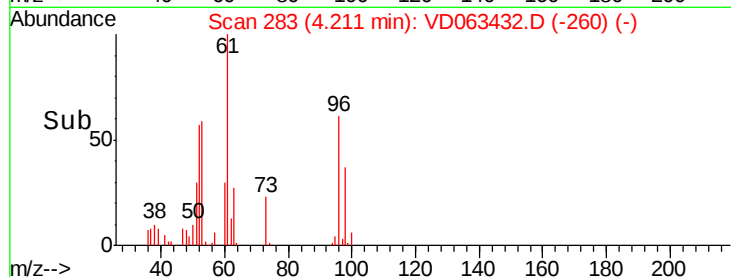
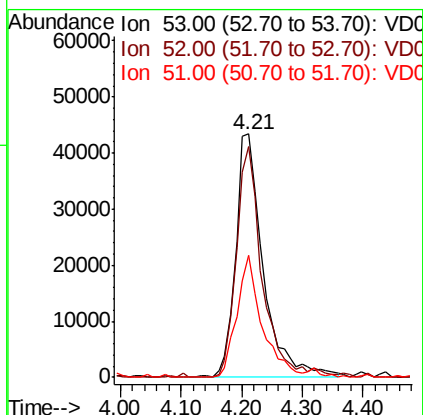
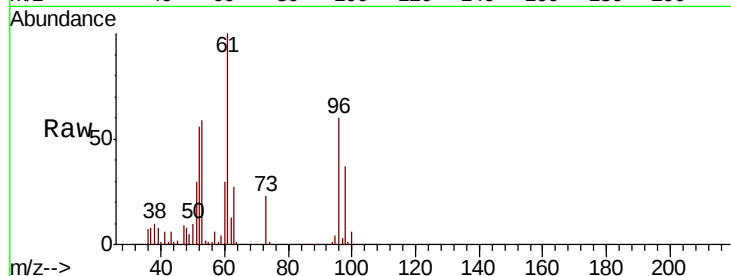
Tgt Ion: 53 Resp: 137763

Ion Ratio Lower Upper

53 100

52 94.8 69.7 104.5

51 49.9 37.4 56.0



#16

Acetone

Concen: 98.985 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063432.D

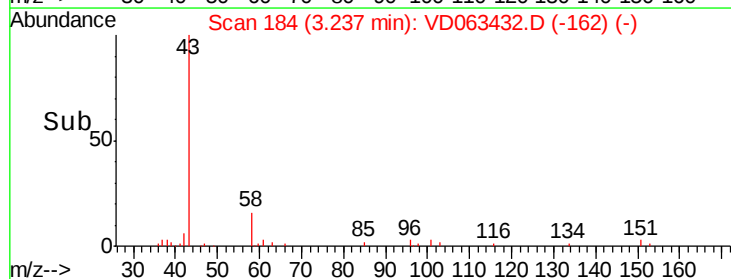
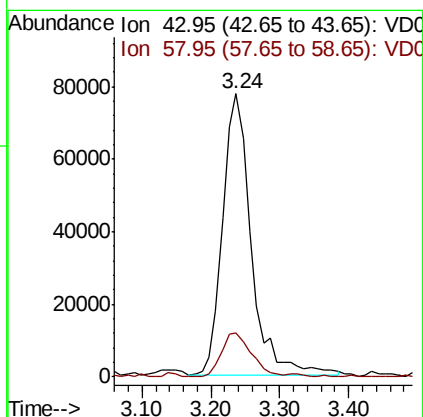
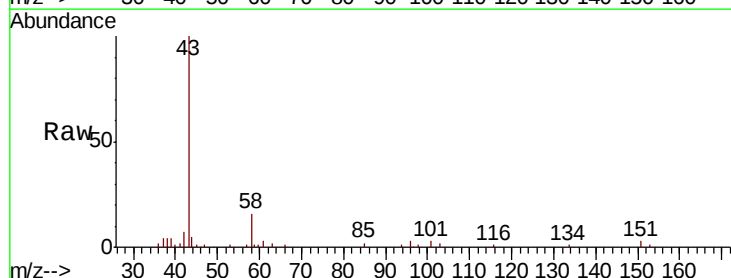
Acq: 8 Aug 2019 12:27

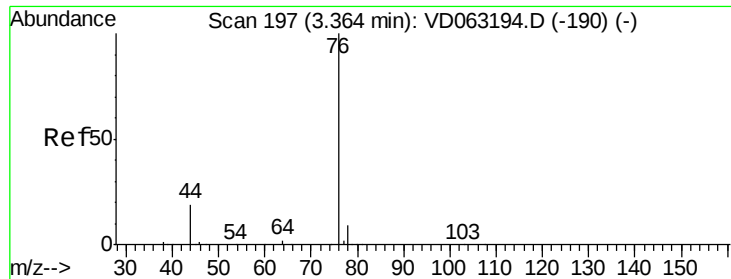
Tgt Ion: 43 Resp: 223540

Ion Ratio Lower Upper

43 100

58 15.7 13.0 19.4

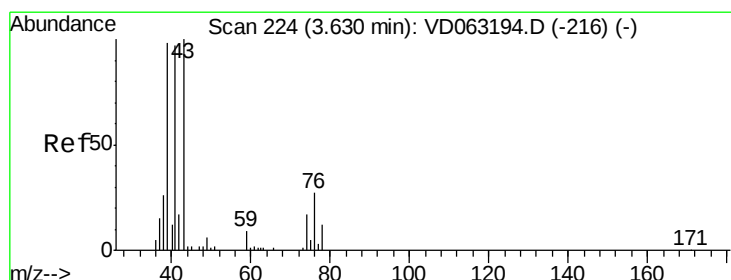
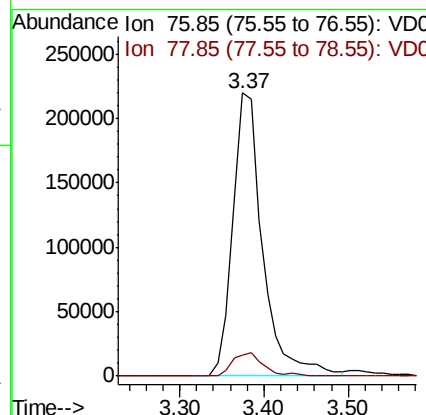
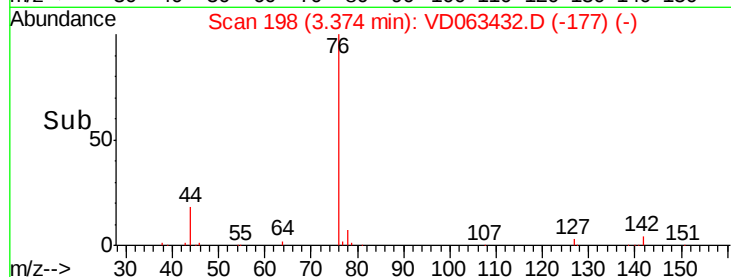
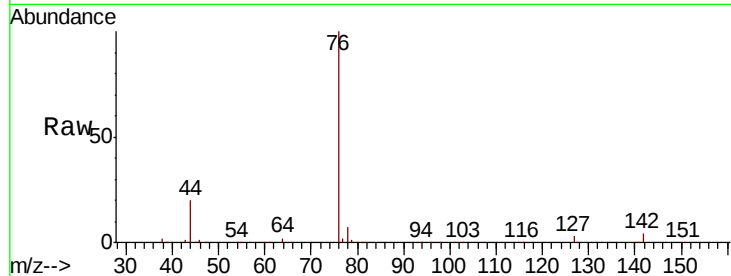




#17
Carbon Disulfide
Concen: 20.088 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

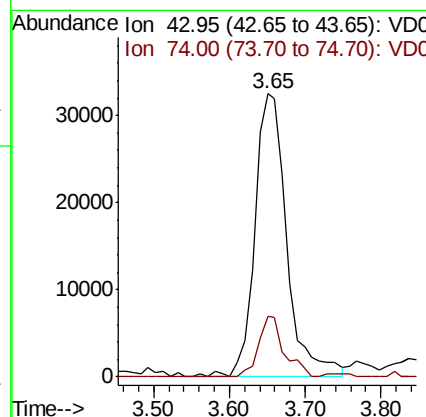
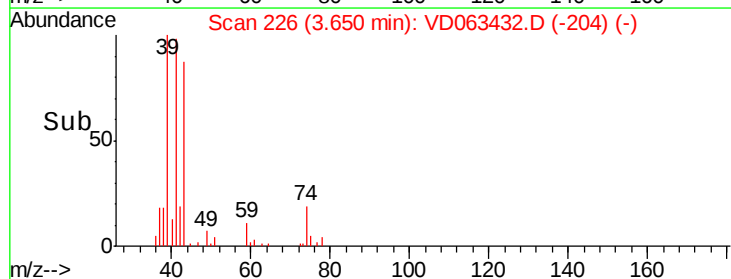
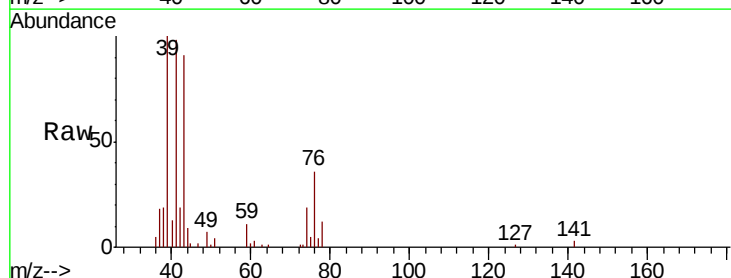
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

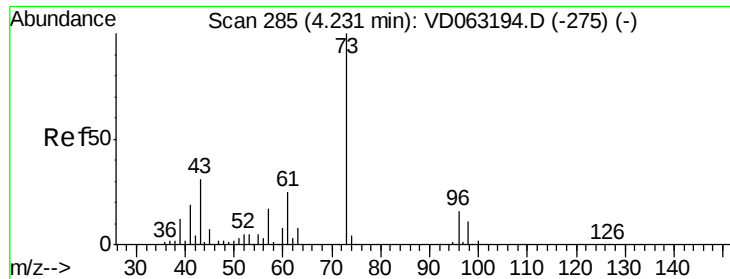
Tgt Ion: 76 Resp: 544768
Ion Ratio Lower Upper
76 100
78 7.4 7.4 11.2#



#18
Methyl Acetate
Concen: 22.071 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 43 Resp: 95741
Ion Ratio Lower Upper
43 100
74 21.5 13.8 20.8#

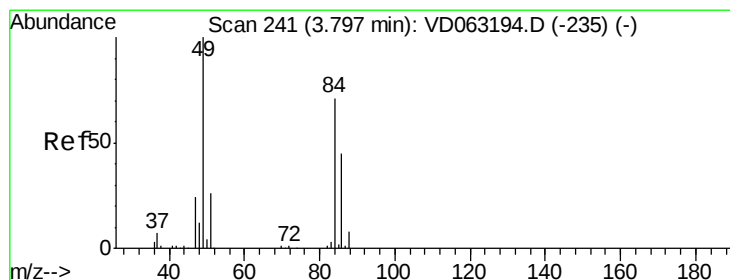
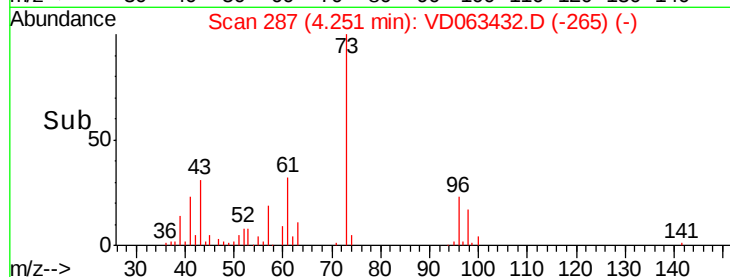
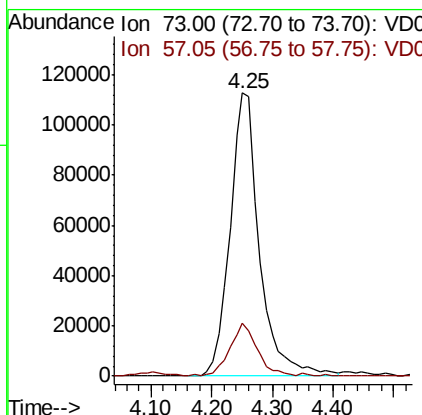
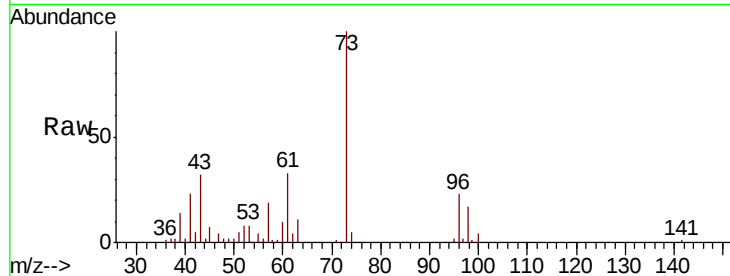




#19
Methyl tert-butyl Ether
Concen: 20.728 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

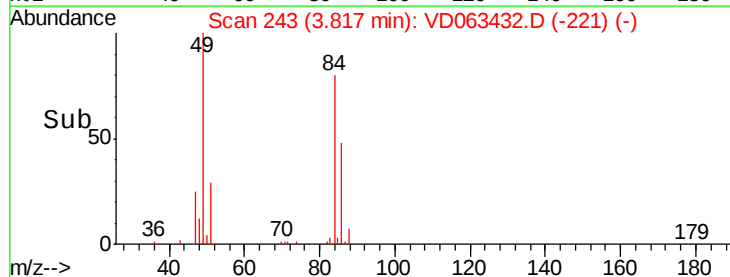
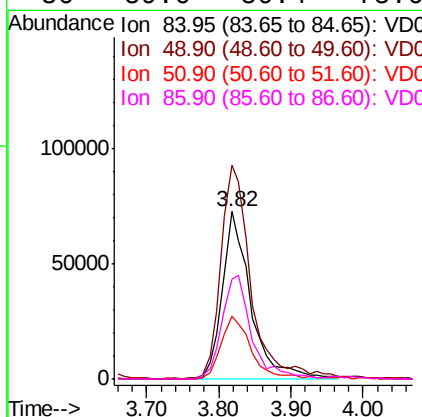
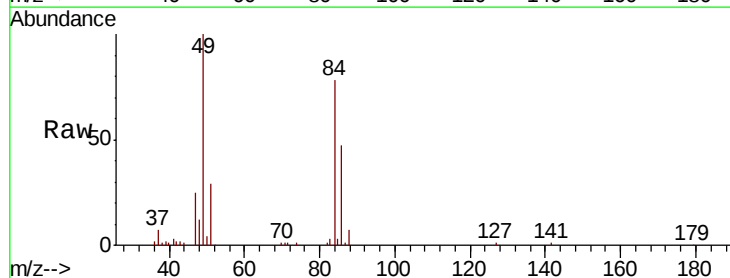
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

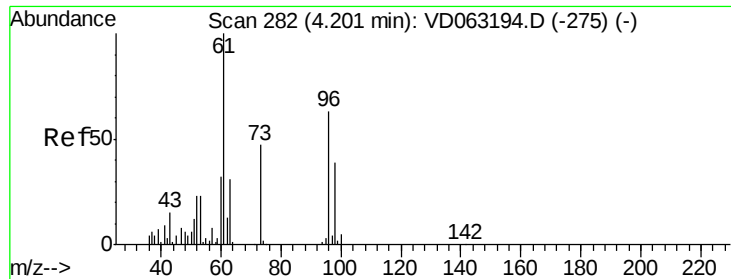
Tgt Ion: 73 Resp: 379366
Ion Ratio Lower Upper
73 100
57 18.9 13.8 20.6



#20
Methylene Chloride
Concen: 21.732 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 84 Resp: 198375
Ion Ratio Lower Upper
84 100
49 127.5 112.5 168.7
51 37.4 29.6 44.4
86 59.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.155 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

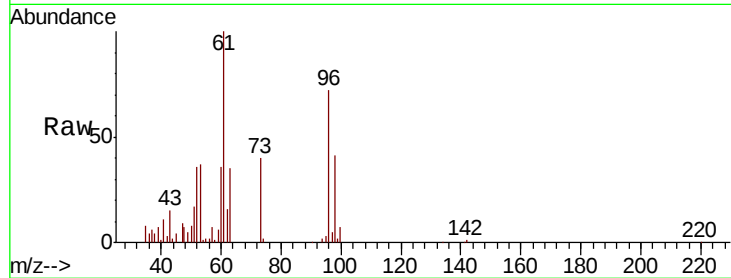
Tgt Ion: 96 Resp: 192316

Ion Ratio Lower Upper

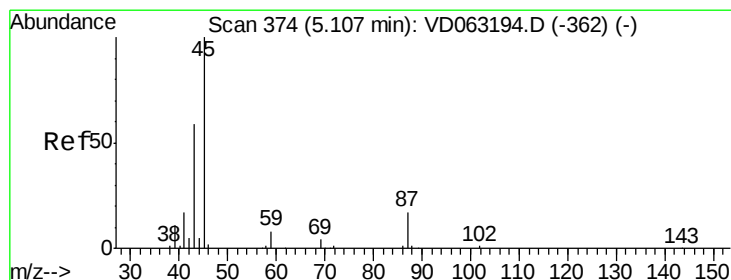
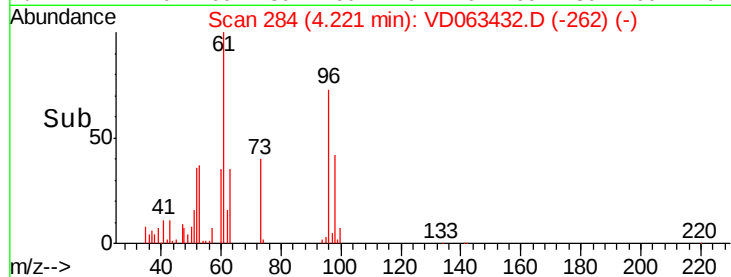
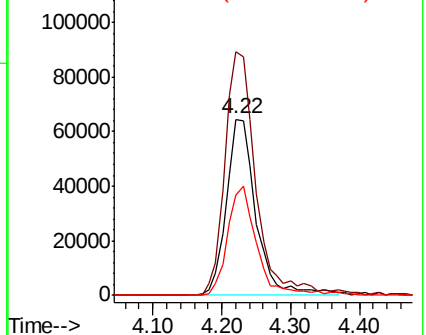
96 100

61 138.5 127.4 191.2

98 57.3 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: 21.434 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Tgt Ion: 45 Resp: 552728

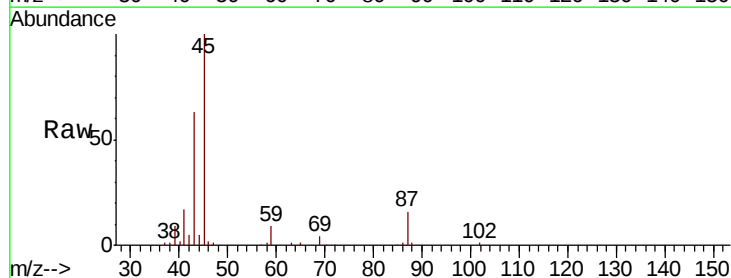
Ion Ratio Lower Upper

45 100

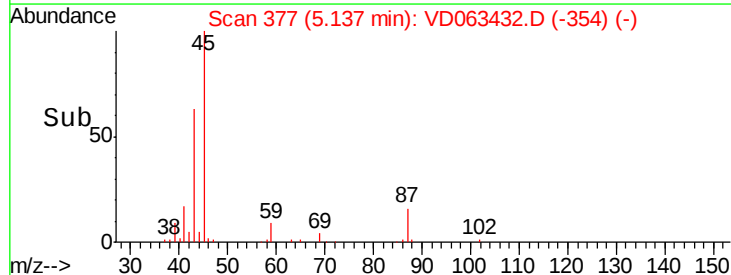
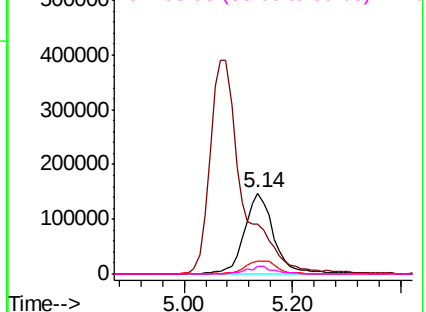
43 62.6 51.7 77.5

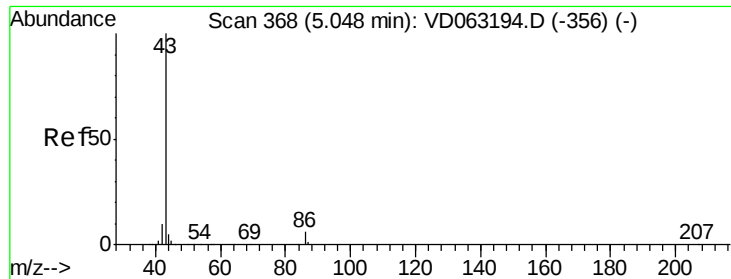
87 15.9 14.6 21.8

59 9.0 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

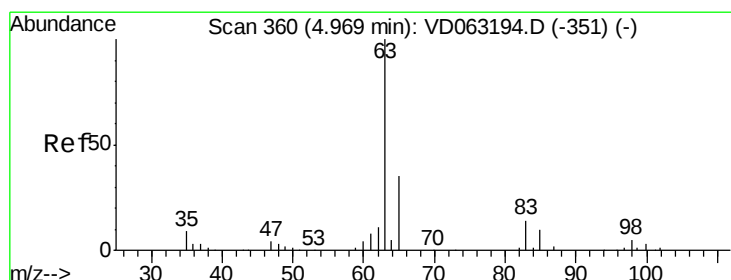
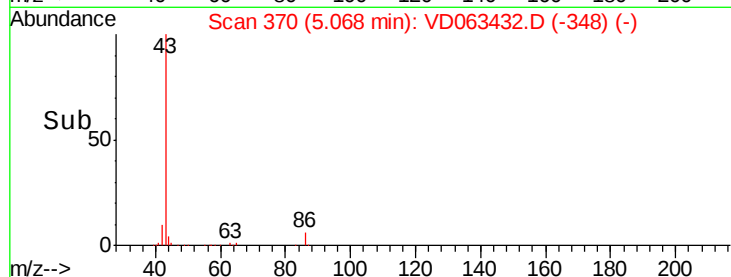
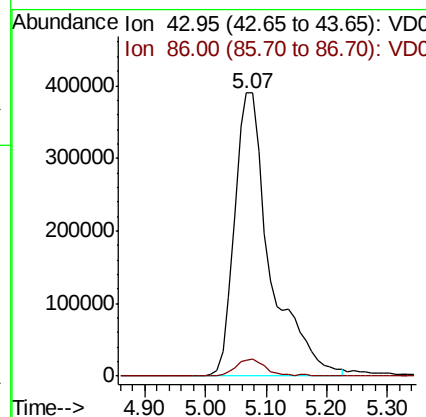
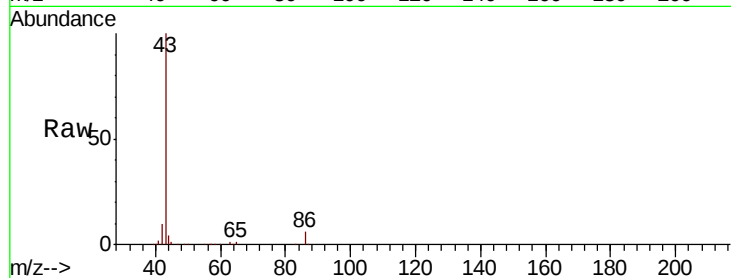




#23
 Vinyl Acetate
 Concen: 100.883 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

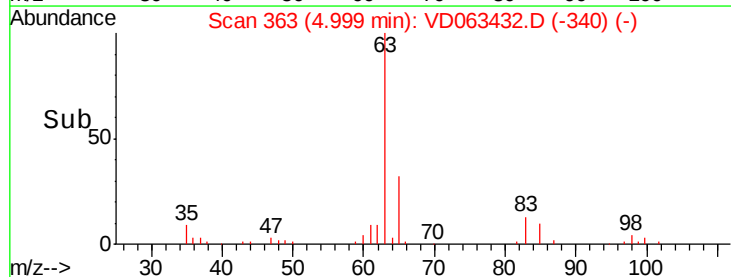
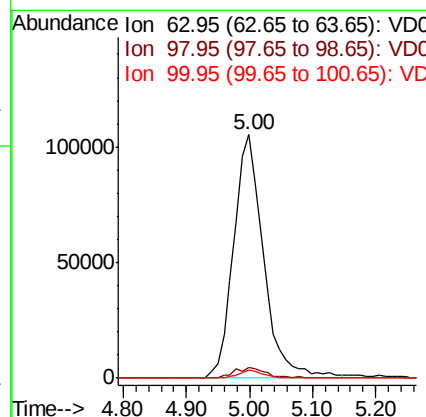
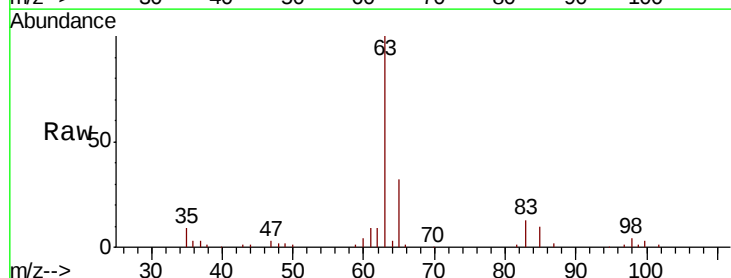
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

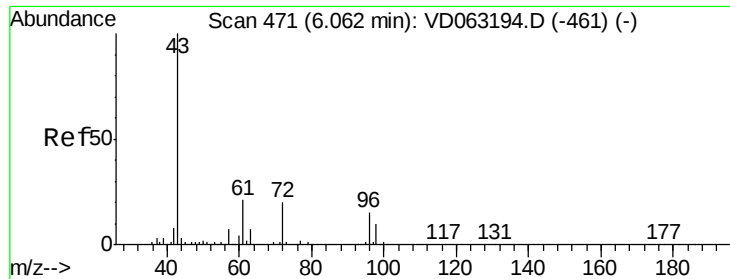
Tgt Ion: 43 Resp: 1599136
 Ion Ratio Lower Upper
 43 100
 86 5.6 4.9 7.3



#24
 1,1-Dichloroethane
 Concen: 20.974 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion: 63 Resp: 345481
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.8 8.4
 100 3.2 1.3 3.9





#25

2-Butanone

Concen: 105.021 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

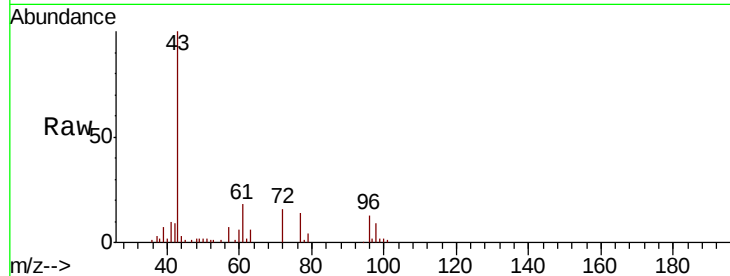
VD0808SBS01

Tgt Ion: 43 Resp: 238020

Ion Ratio Lower Upper

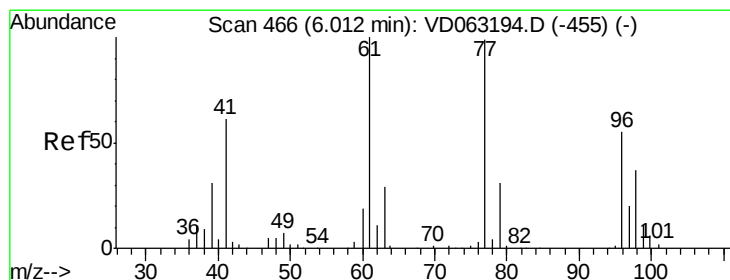
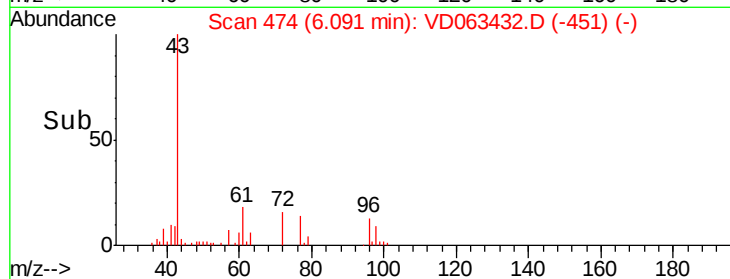
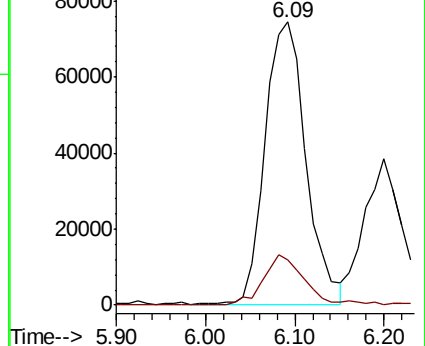
43 100

72 16.1 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: 20.940 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063432.D

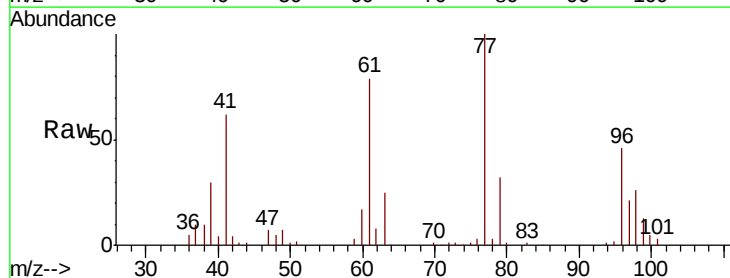
Acq: 8 Aug 2019 12:27

Tgt Ion: 77 Resp: 355448

Ion Ratio Lower Upper

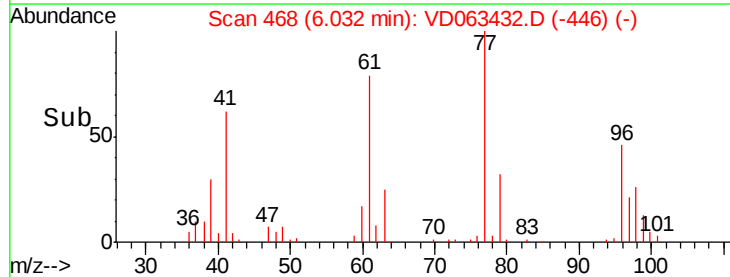
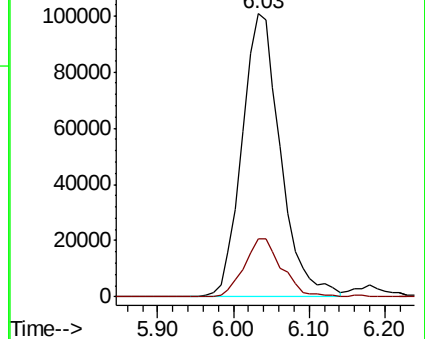
77 100

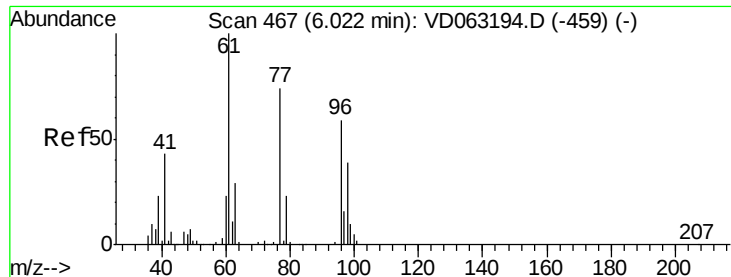
97 20.6 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



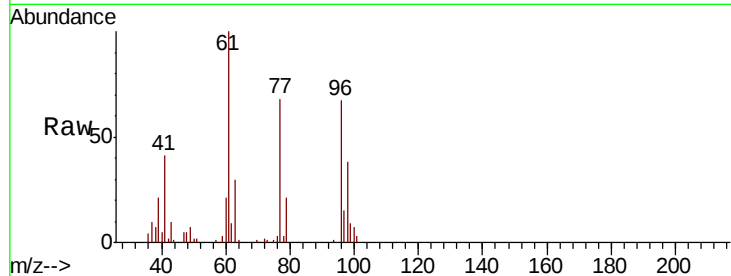


#27

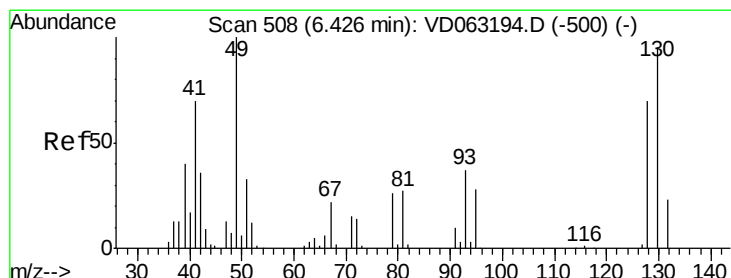
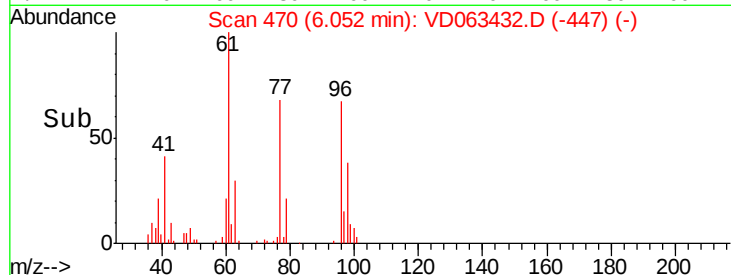
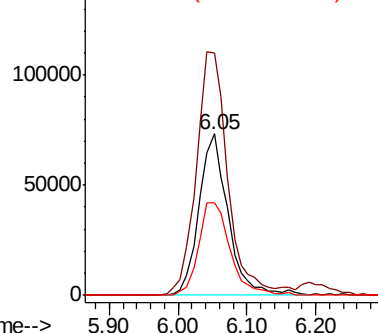
cis-1,2-Dichloroethene
Concen: 22.022 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.03 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tgt Ion: 96 Resp: 214650
Ion Ratio Lower Upper
96 100
61 150.3 0.0 337.2
98 57.7 0.0 130.6



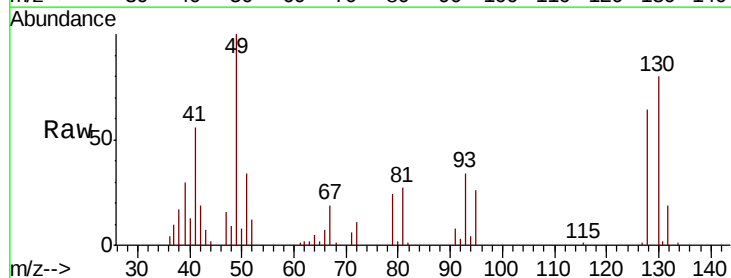
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



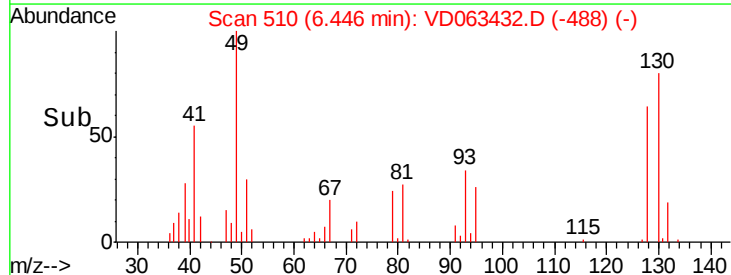
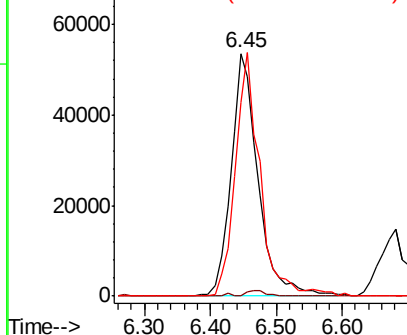
#28

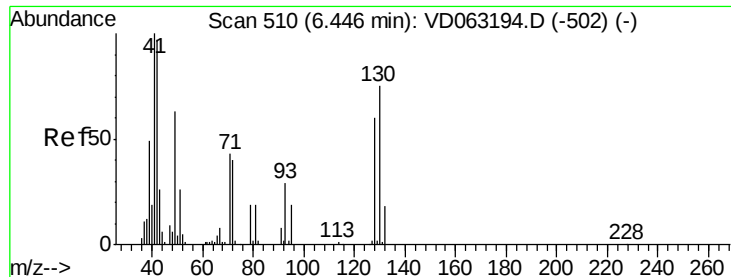
Bromochloromethane
Concen: 23.347 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 49 Resp: 153218
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 80.0 75.7 113.5



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





#29

Tetrahydrofuran

Concen: 106.796 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

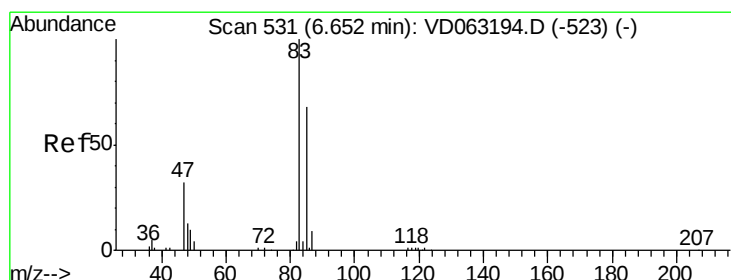
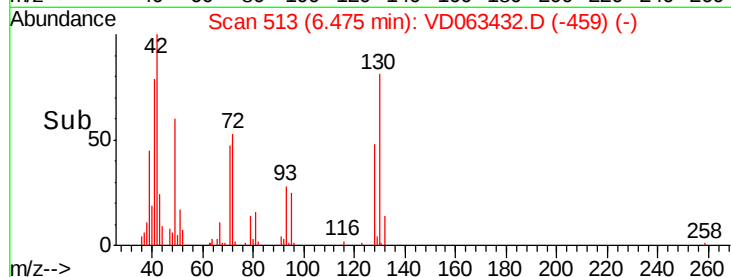
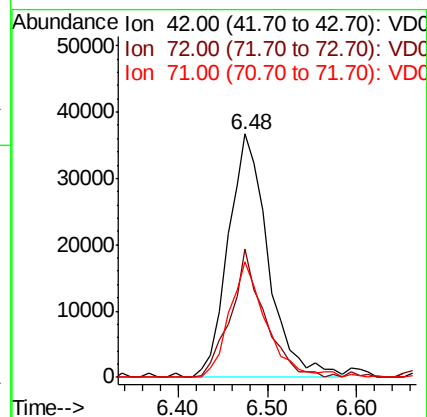
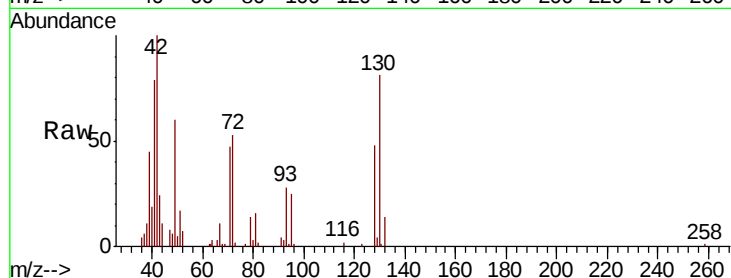
Tgt Ion: 42 Resp: 114595

Ion Ratio Lower Upper

42 100

72 44.5 33.4 50.2

71 44.1 35.7 53.5



#30

Chloroform

Concen: 20.515 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.03 min

Lab File: VD063432.D

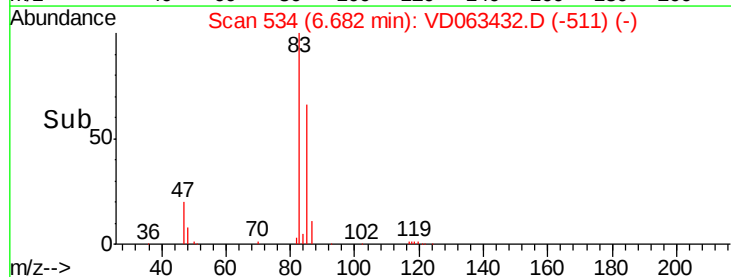
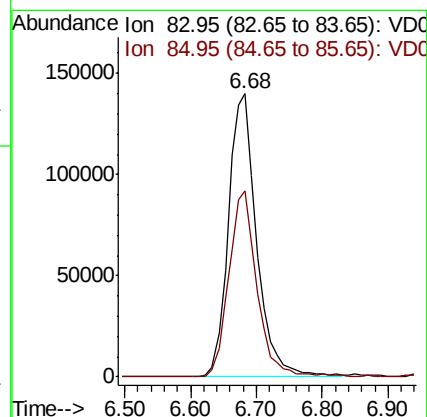
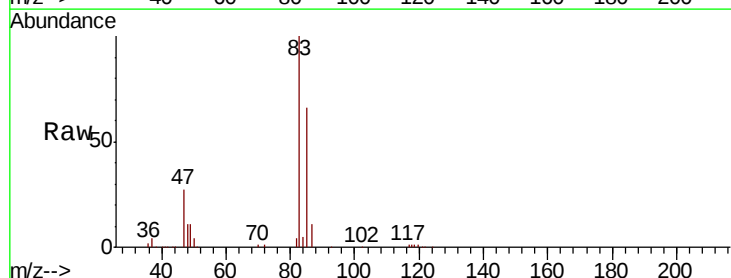
Acq: 8 Aug 2019 12:27

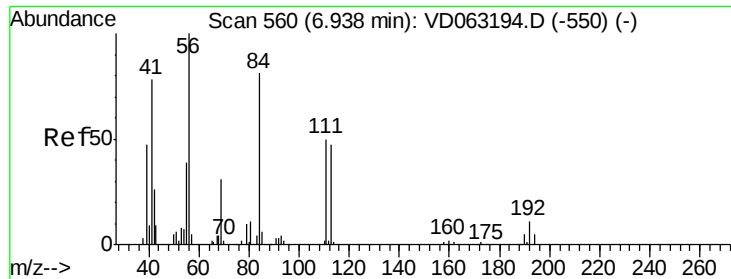
Tgt Ion: 83 Resp: 419352

Ion Ratio Lower Upper

83 100

85 65.6 54.2 81.4

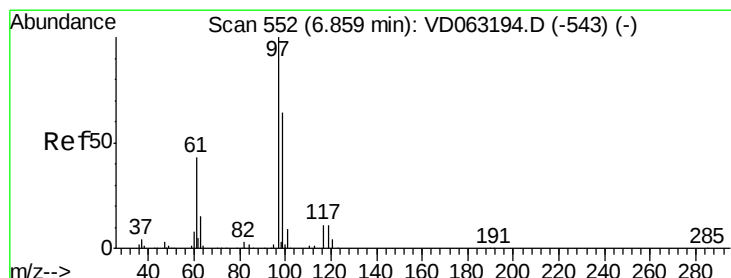
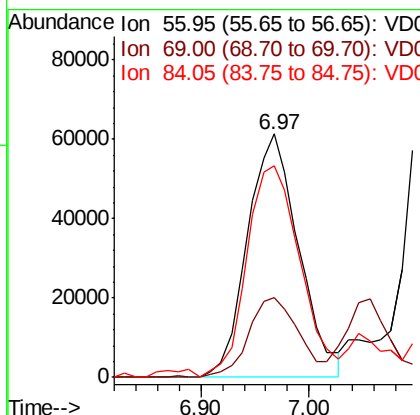
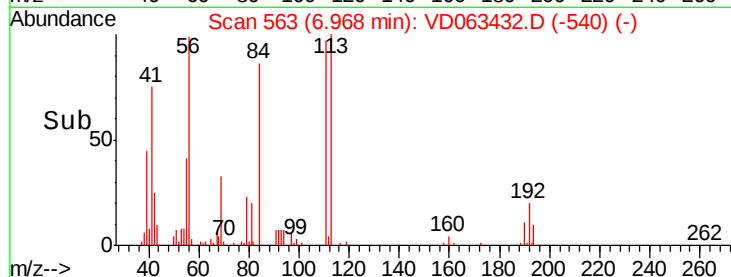
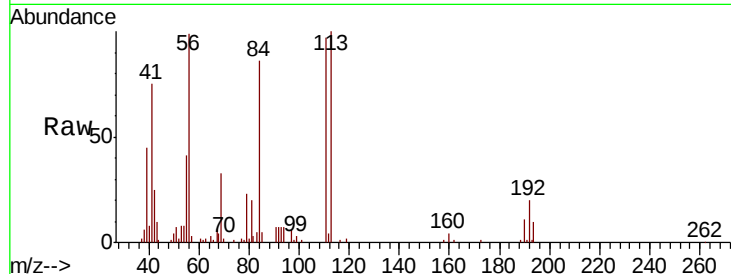




#31
Cyclohexane
Concen: 19.622 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

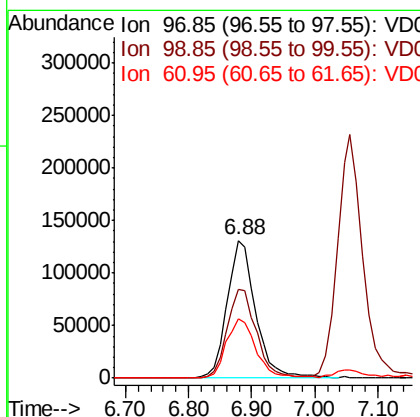
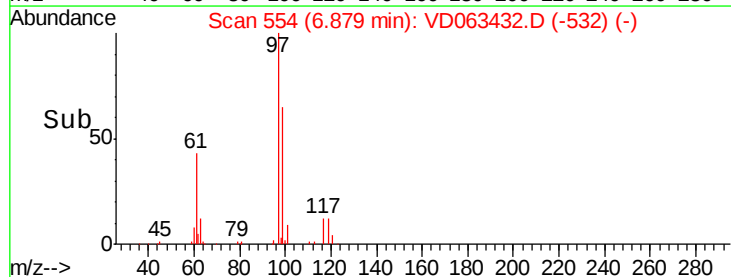
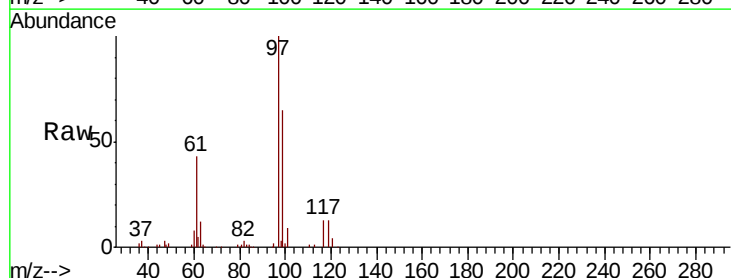
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

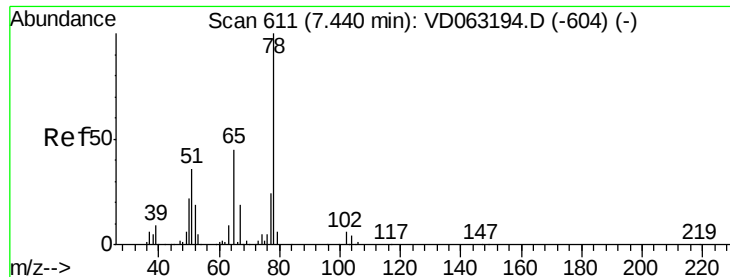
Tgt Ion: 56 Resp: 202583
Ion Ratio Lower Upper
56 100
69 32.9 24.5 36.7
84 86.7 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 20.606 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 97 Resp: 407432
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 43.3 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 51.570 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

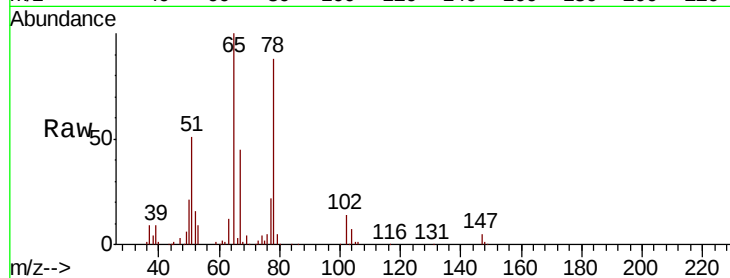
VD0808SBS01

Tgt Ion: 65 Resp: 597727

Ion Ratio Lower Upper

65 100

67 44.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

250000

200000

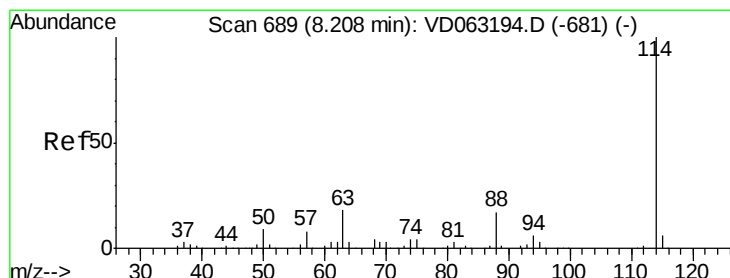
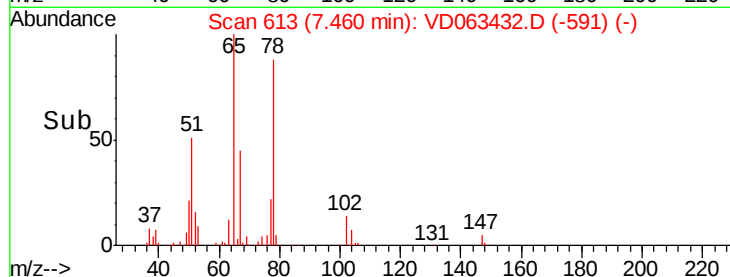
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

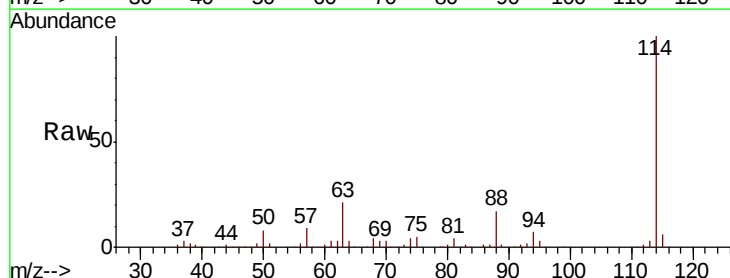
Tgt Ion: 114 Resp: 1467991

Ion Ratio Lower Upper

114 100

63 20.9 0.0 35.2

88 17.5 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

8.23

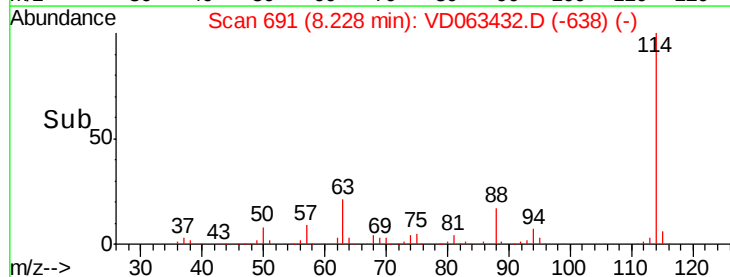
600000

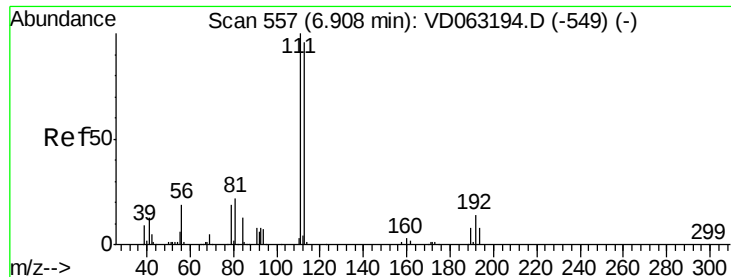
400000

200000

0

Time-->

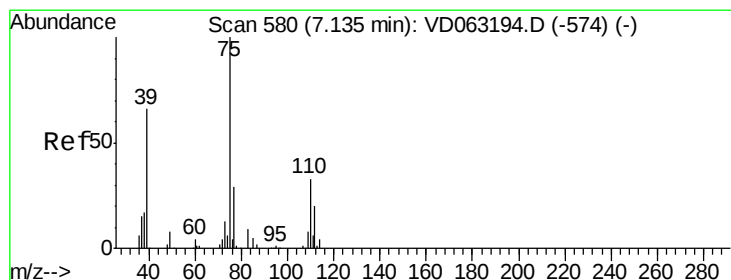
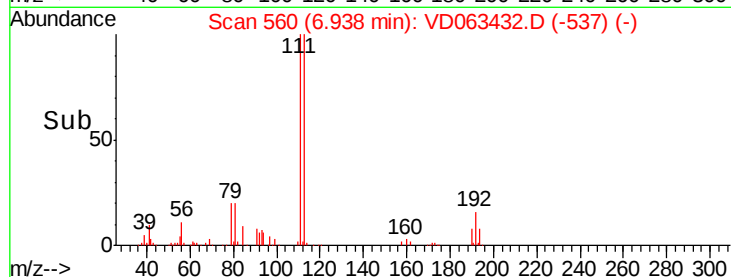
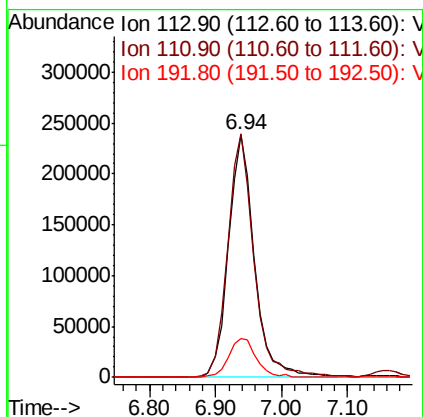
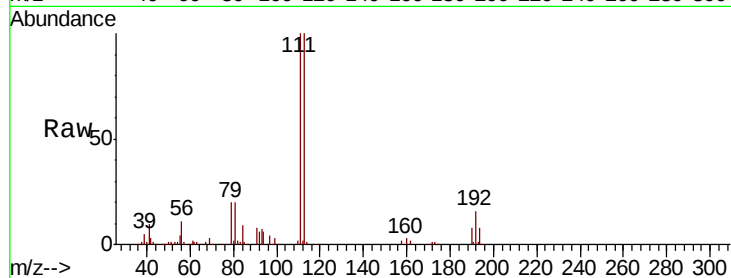




#35
 Dibromofluoromethane
 Concen: 52.833 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

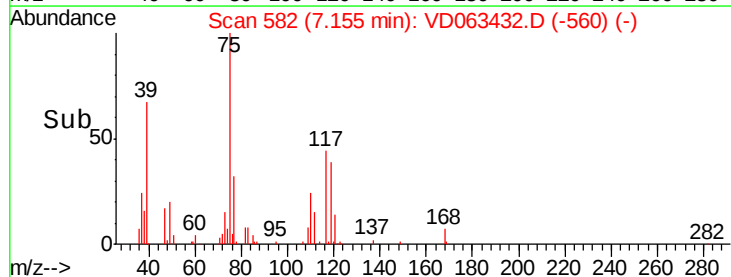
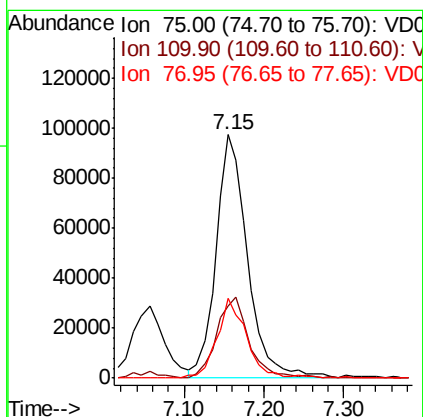
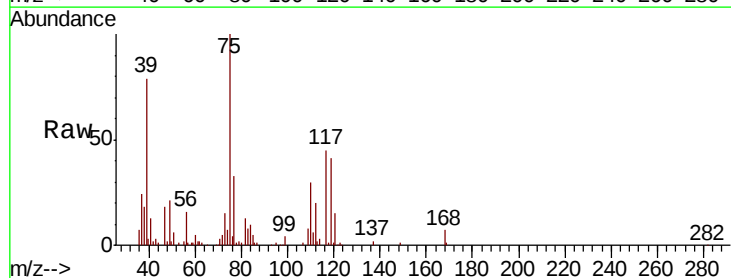
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

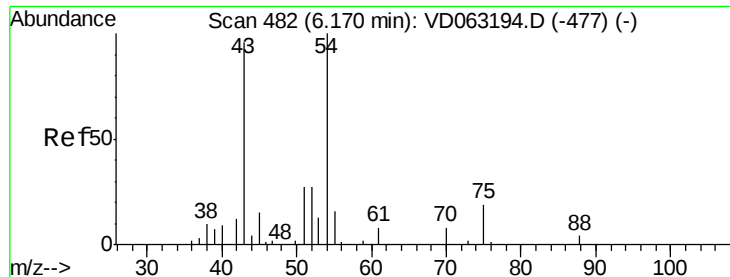
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	83.2	124.8
192	15.7	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 20.210 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.1	48.2
77	32.6	22.7	34.1





#37

Ethyl Acetate

Concen: 20.436 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

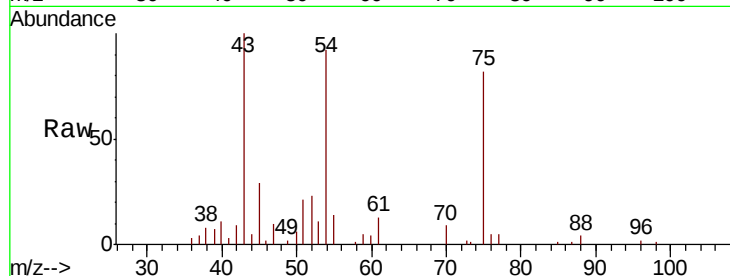
Tgt Ion: 43 Resp: 123000

Ion Ratio Lower Upper

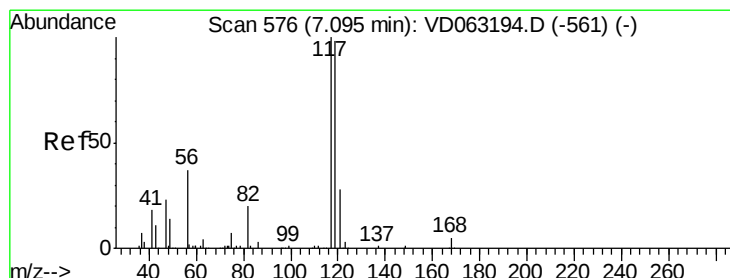
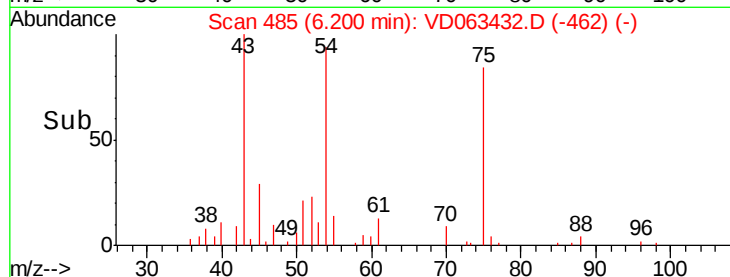
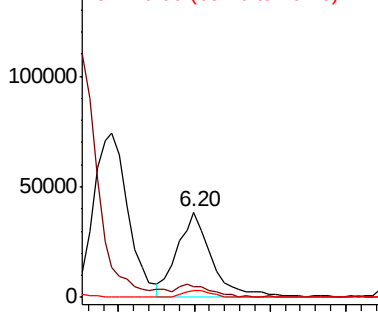
43 100

61 12.6 11.3 16.9

70 8.6 5.1 7.7#



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



#38

Carbon Tetrachloride

Concen: 20.260 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

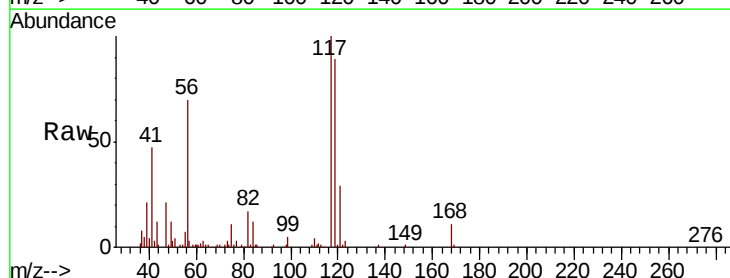
Tgt Ion: 117 Resp: 408634

Ion Ratio Lower Upper

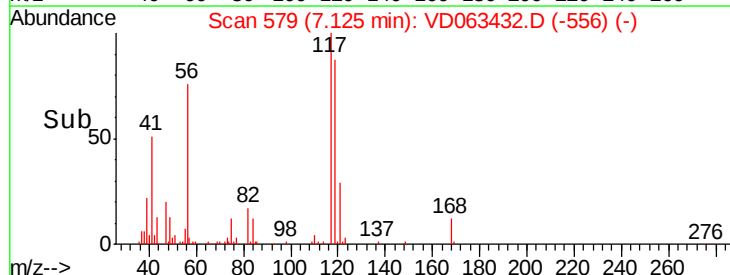
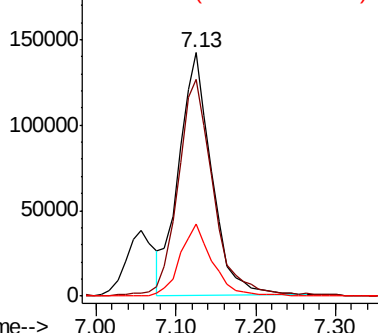
117 100

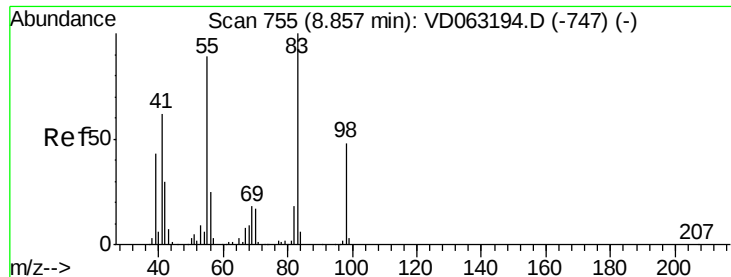
119 88.9 78.2 117.2

121 29.4 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

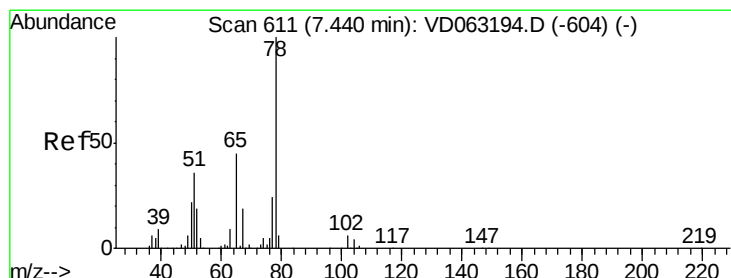
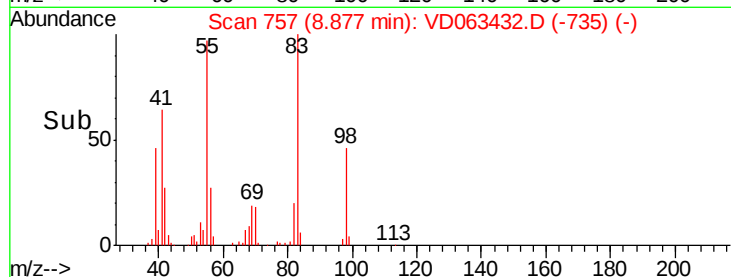
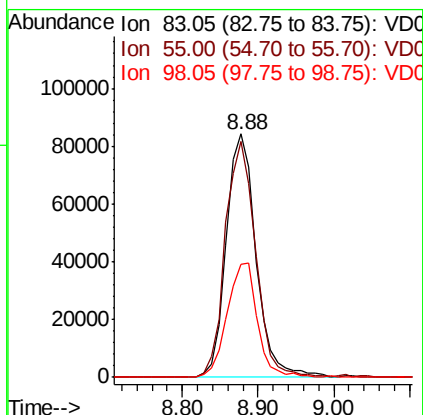
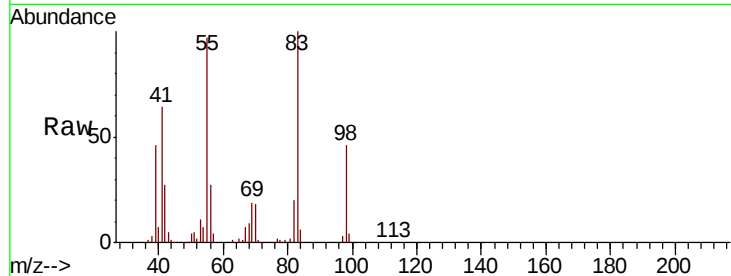




#39
Methylcyclohexane
Concen: 20.515 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

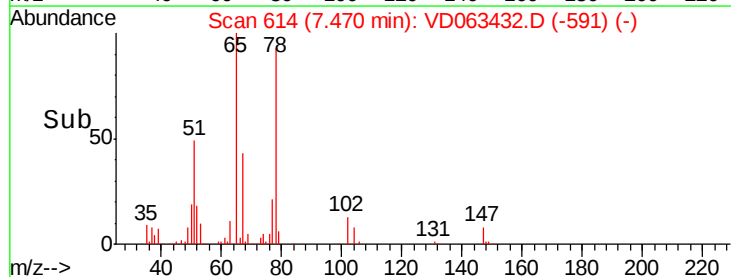
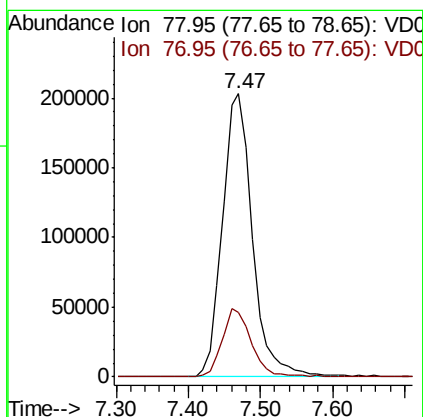
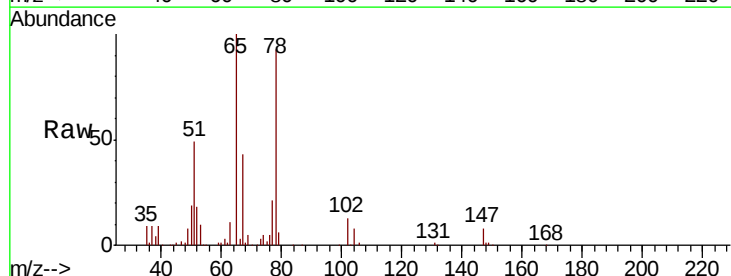
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

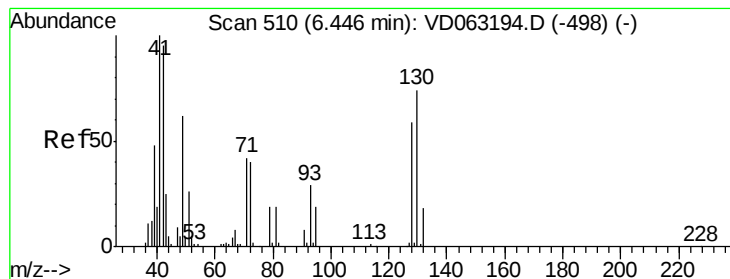
Tgt Ion: 83 Resp: 228991
Ion Ratio Lower Upper
83 100
55 96.8 71.1 106.7
98 46.4 38.5 57.7



#40
Benzene
Concen: 20.847 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 78 Resp: 585345
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.2





#41

Methacrylonitrile

Concen: 21.217 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

Tgt Ion: 41 Resp: 152755

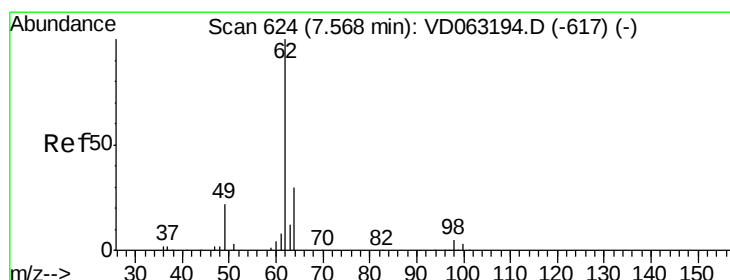
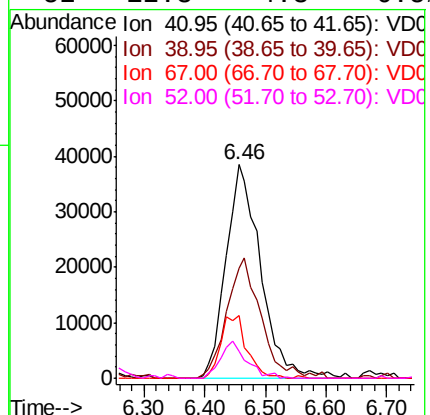
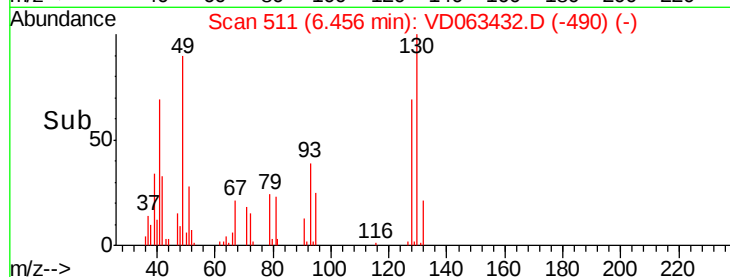
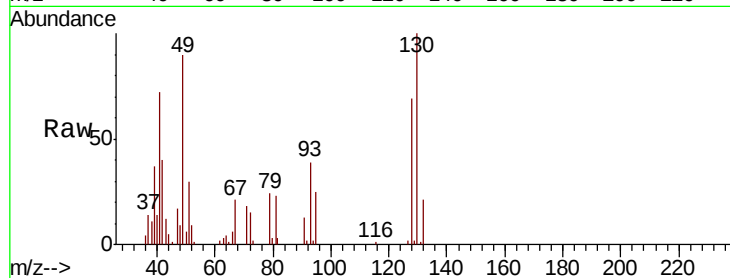
Ion Ratio Lower Upper

41 100

39 51.6 38.4 57.6

67 29.3 6.7 10.1#

52 12.3 4.3 6.5#



#42

1,2-Dichloroethane

Concen: 20.796 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.03 min

Lab File: VD063432.D

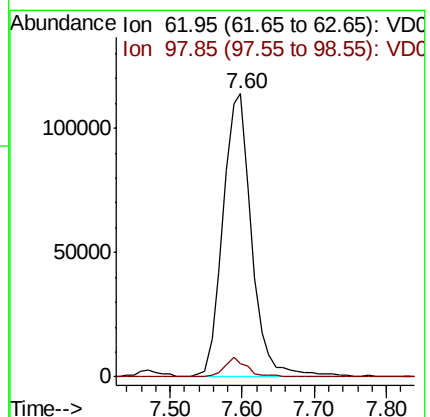
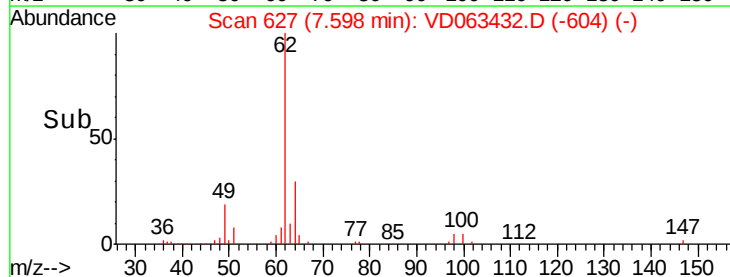
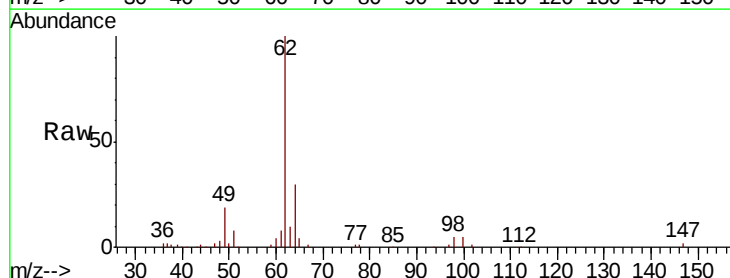
Acq: 8 Aug 2019 12:27

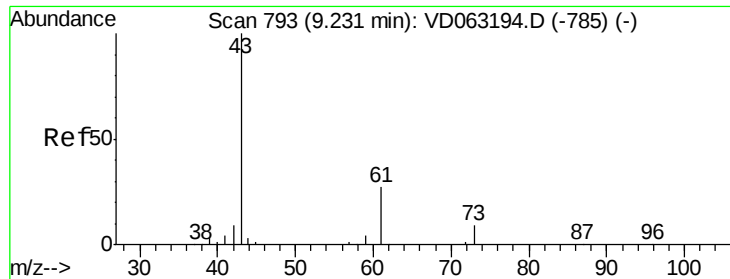
Tgt Ion: 62 Resp: 309464

Ion Ratio Lower Upper

62 100

98 4.8 0.0 9.8





#43

Isopropyl Acetate

Concen: 20.184 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

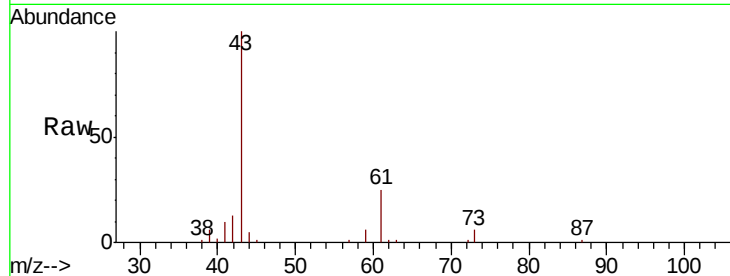
Tgt Ion: 43 Resp: 155182

Ion Ratio Lower Upper

43 100

61 24.8 21.4 32.0

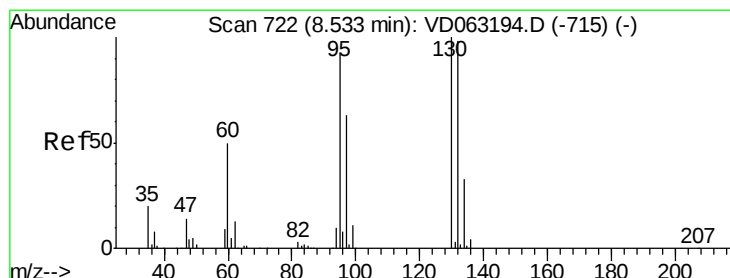
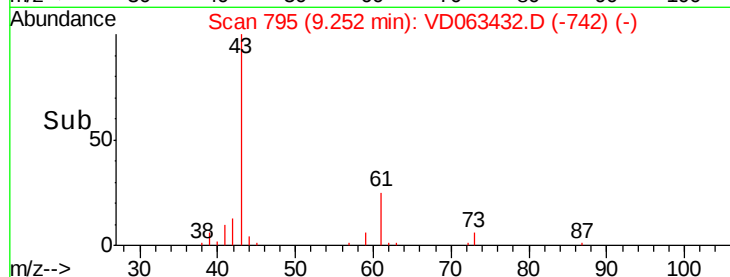
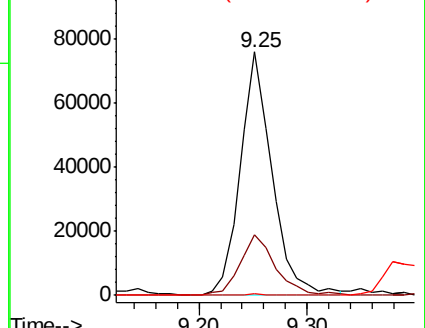
87 0.9 0.2 0.4#



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: 20.199 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.02 min

Lab File: VD063432.D

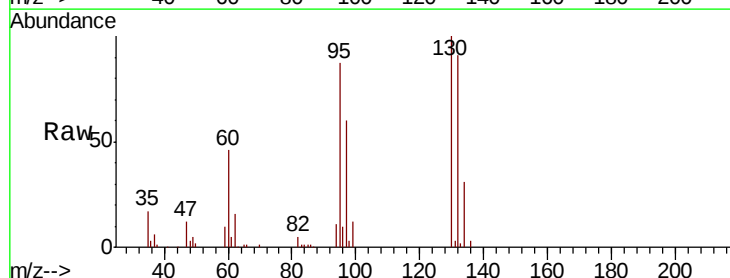
Acq: 8 Aug 2019 12:27

Tgt Ion: 130 Resp: 229816

Ion Ratio Lower Upper

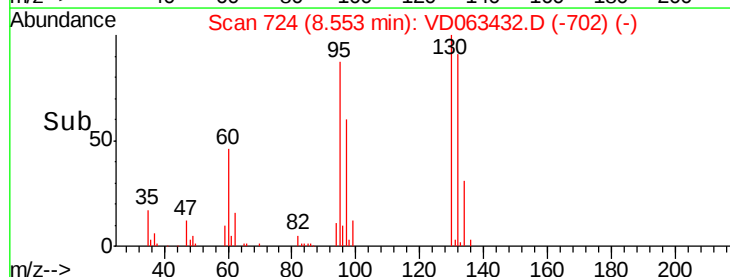
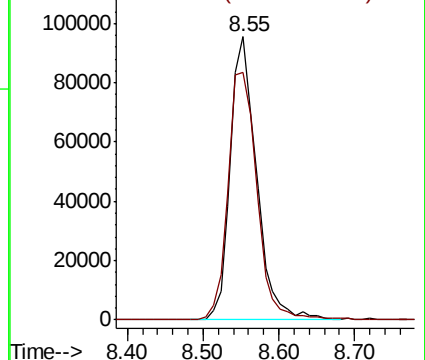
130 100

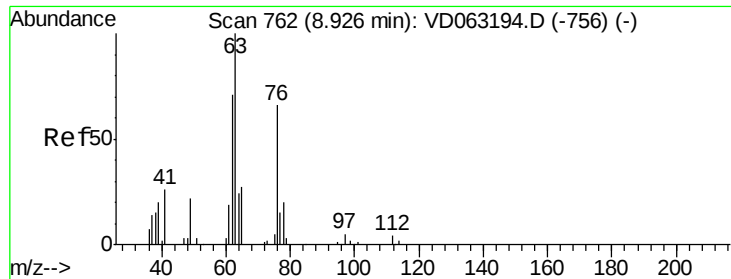
95 87.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.883 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

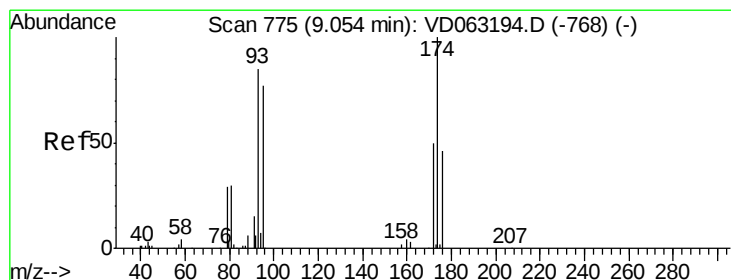
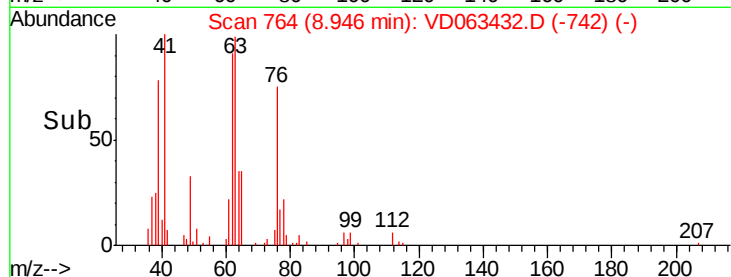
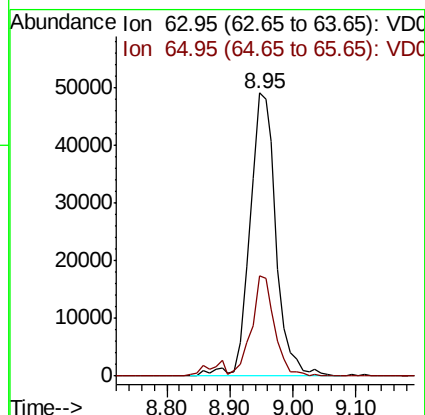
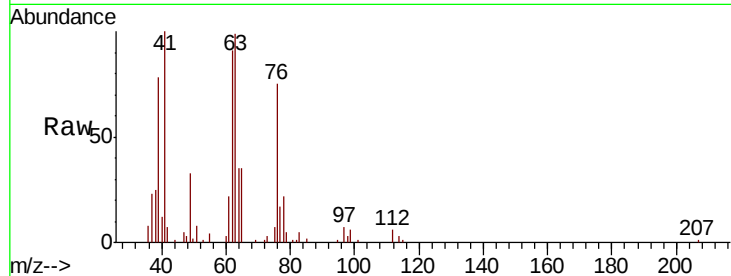
VD0808SBS01

Tgt Ion: 63 Resp: 141898

Ion Ratio Lower Upper

63 100

65 35.3 23.6 35.4



#46

Dibromomethane

Concen: 21.139 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

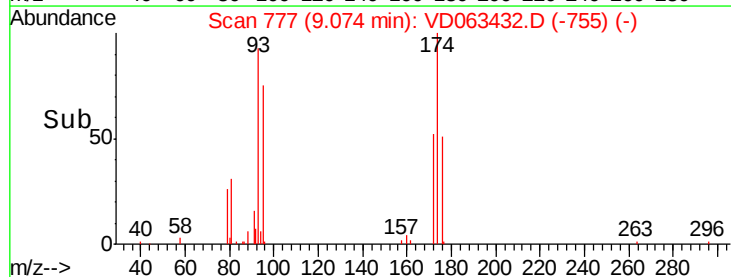
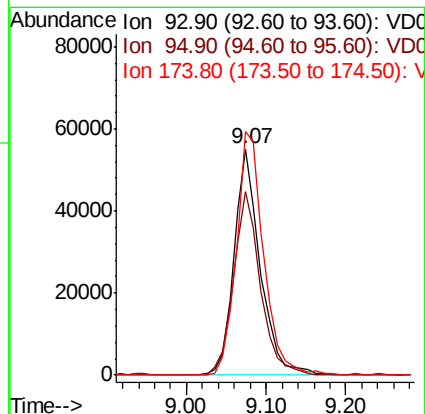
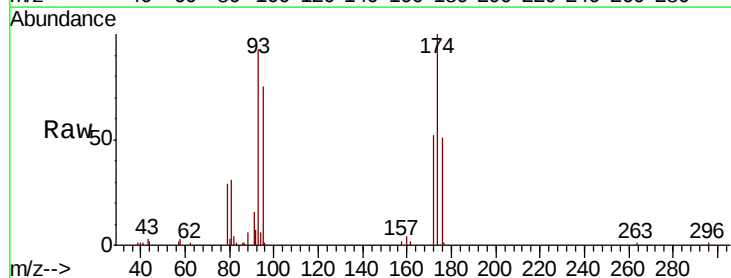
Tgt Ion: 93 Resp: 125439

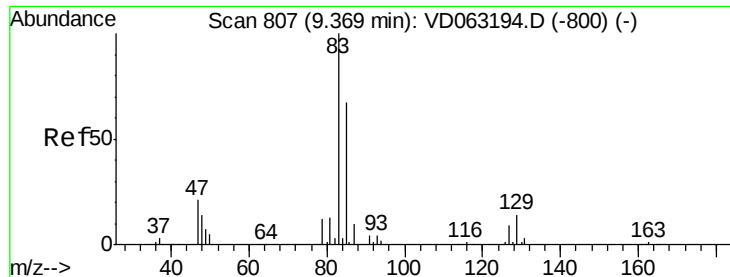
Ion Ratio Lower Upper

93 100

95 81.1 72.8 109.2

174 107.6 94.4 141.6





#47

Bromodichloromethane

Concen: 20.550 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

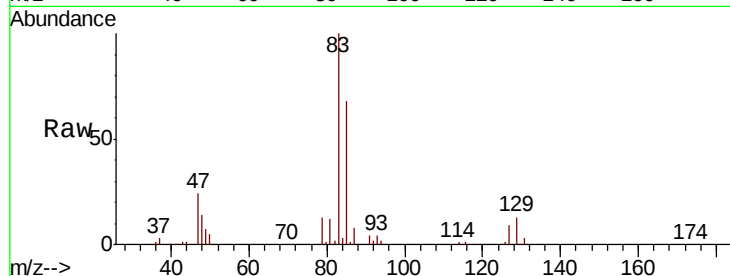
Tgt Ion: 83 Resp: 310853

Ion Ratio Lower Upper

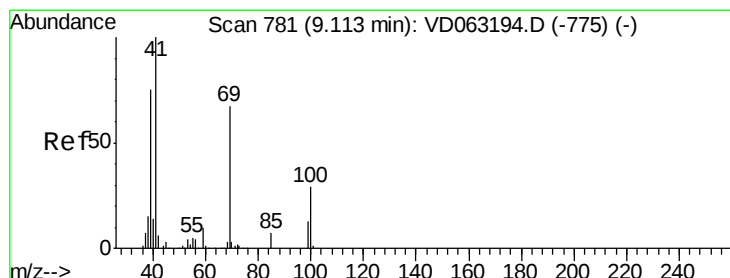
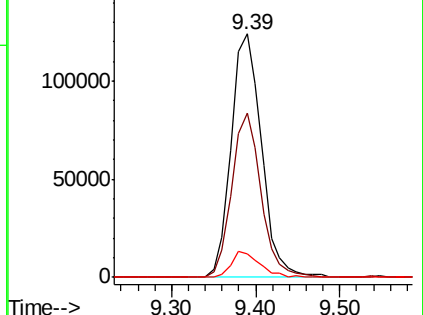
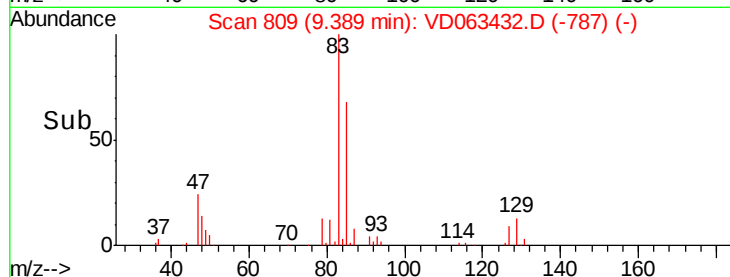
83 100

85 67.7 53.6 80.4

127 9.4 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: 21.988 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

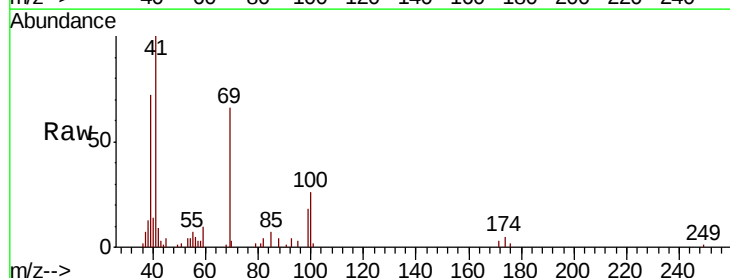
Tgt Ion: 41 Resp: 109644

Ion Ratio Lower Upper

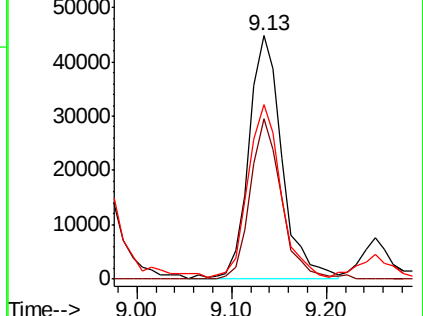
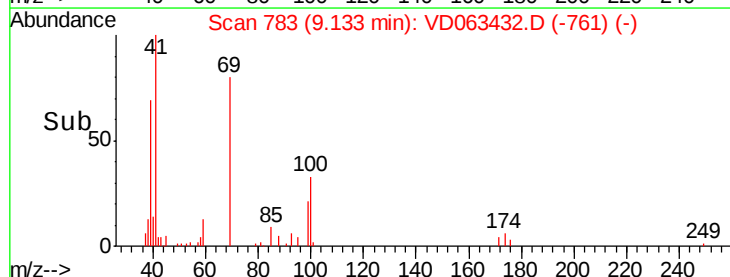
41 100

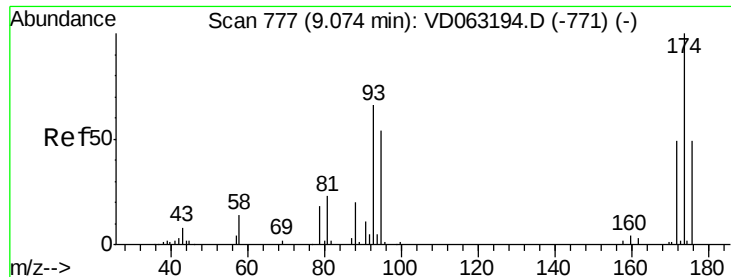
69 65.9 53.4 80.0

39 71.8 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

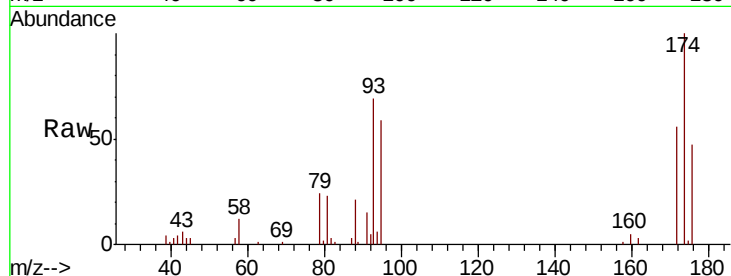




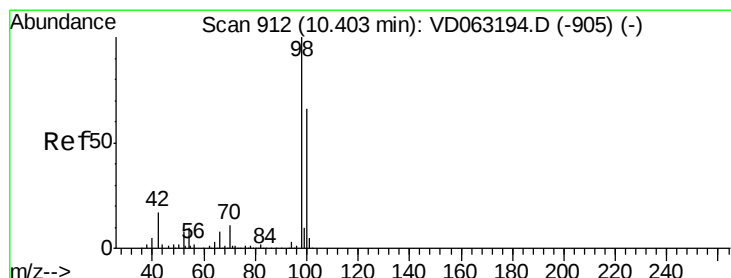
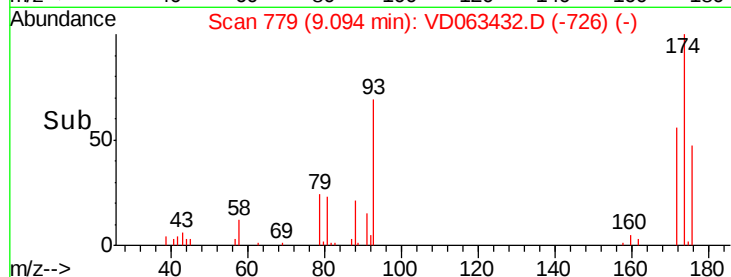
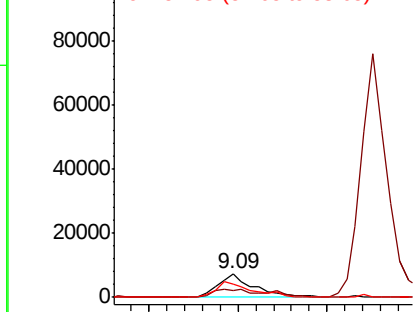
#49
1,4-Dioxane
Concen: 487.156 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tgt Ion: 88 Resp: 20667
Ion Ratio Lower Upper
88 100
43 28.1 30.7 46.1#
58 54.2 56.5 84.7#

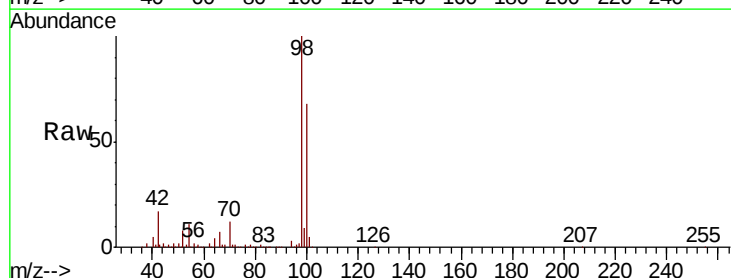


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

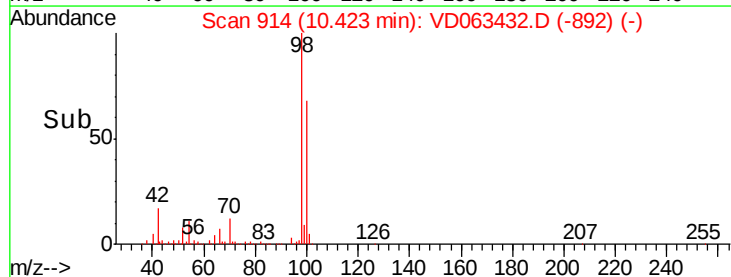
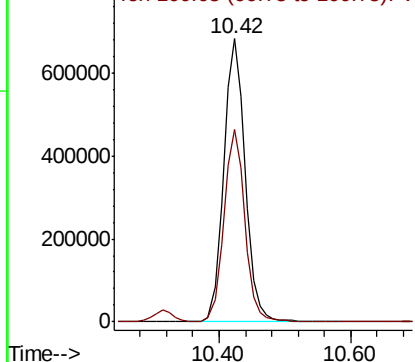


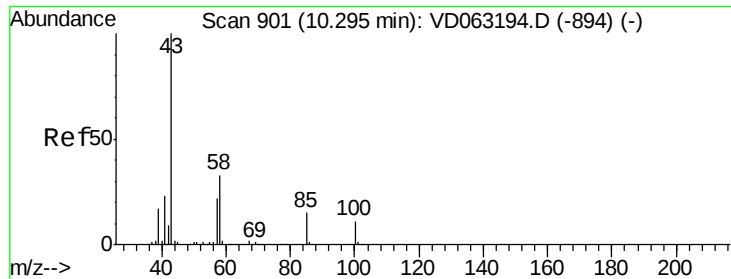
#50
Toluene-d8
Concen: 55.381 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 98 Resp: 1553444
Ion Ratio Lower Upper
98 100
100 68.0 53.2 79.8



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

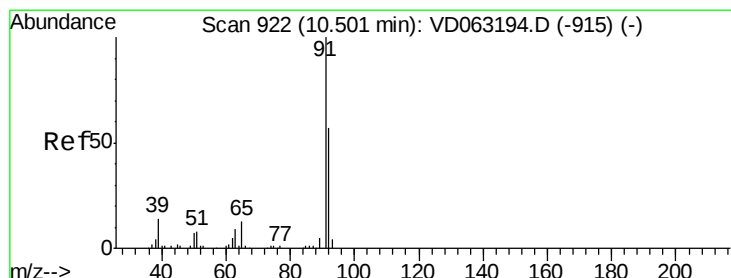
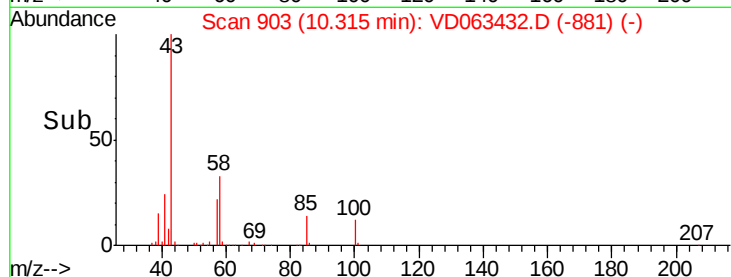
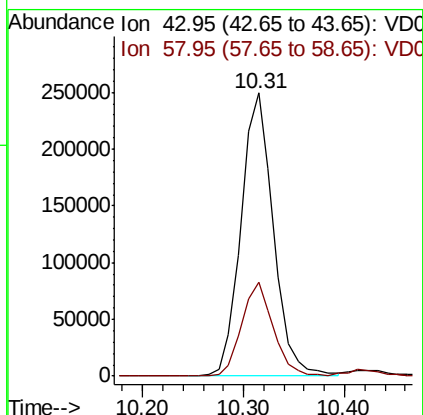
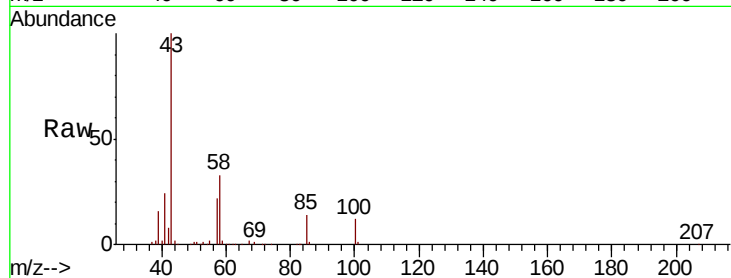




#51
 4-Methyl-2-Pentanone
 Concen: 106.506 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

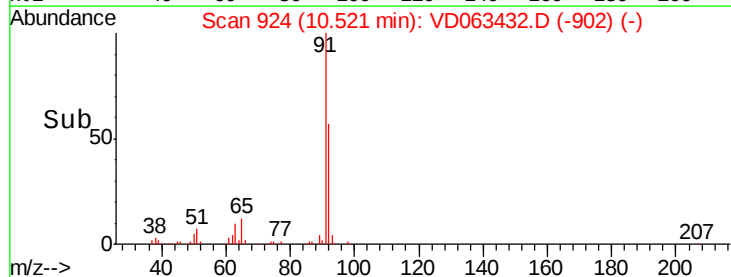
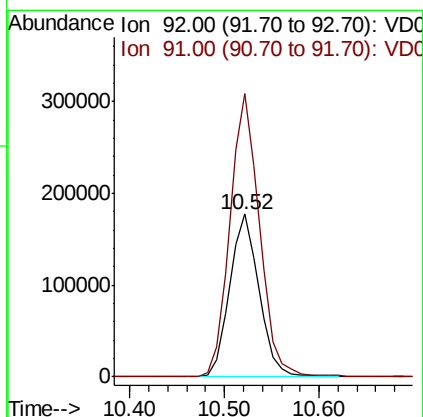
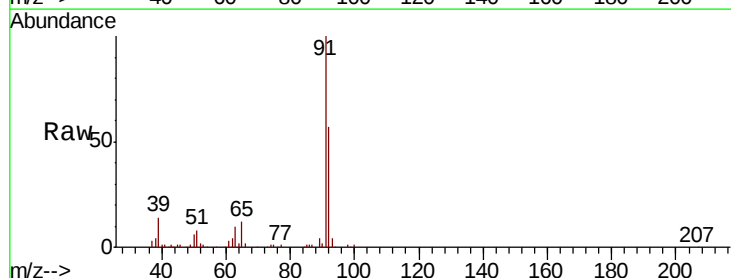
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

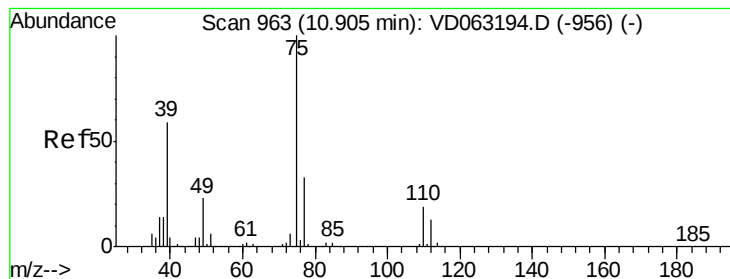
Tgt Ion: 43 Resp: 556896
 Ion Ratio Lower Upper
 43 100
 58 33.4 26.2 39.2



#52
 Toluene
 Concen: 20.426 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion: 92 Resp: 381457
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 20.750 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

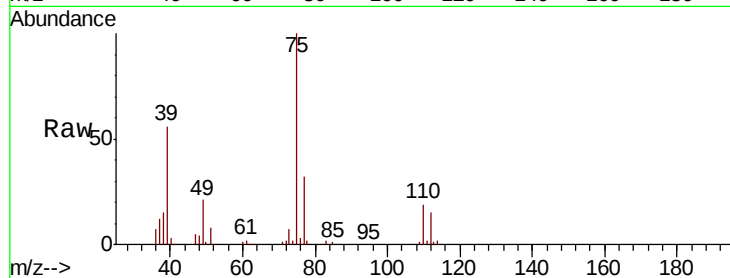
VD0808SBS01

Tgt Ion: 75 Resp: 270600

Ion Ratio Lower Upper

75 100

77 31.6 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

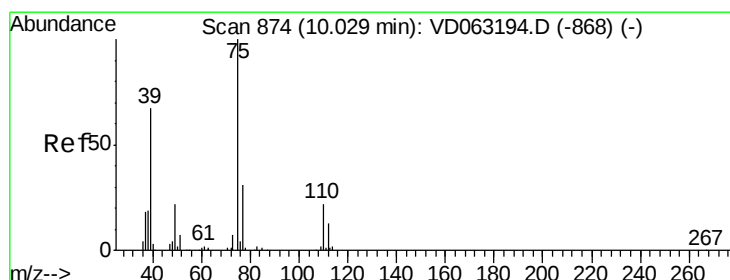
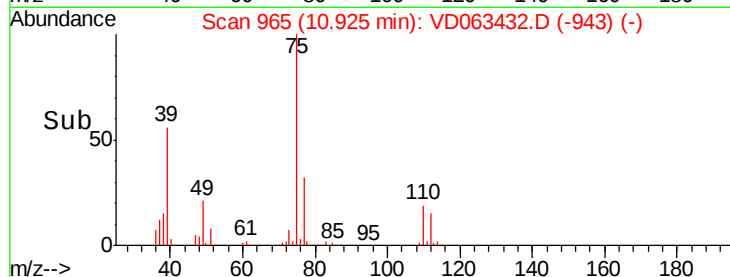
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 22.073 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

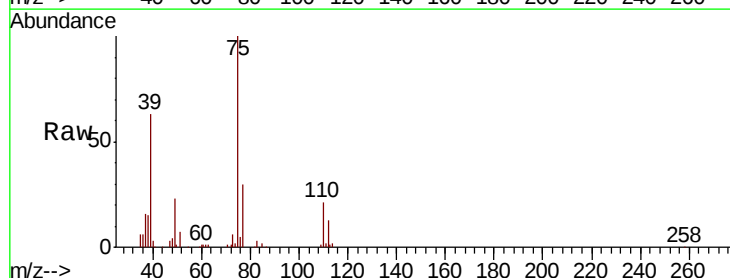
Tgt Ion: 75 Resp: 302538

Ion Ratio Lower Upper

75 100

77 30.3 24.9 37.3

39 63.5 53.9 80.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

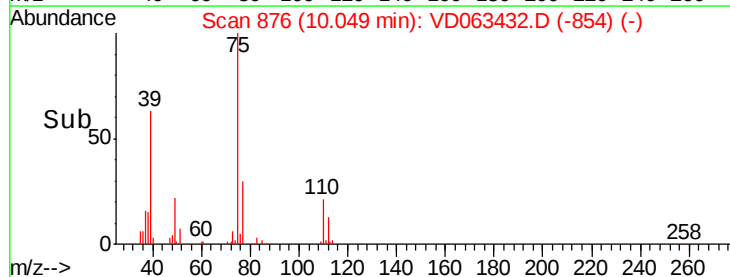
150000

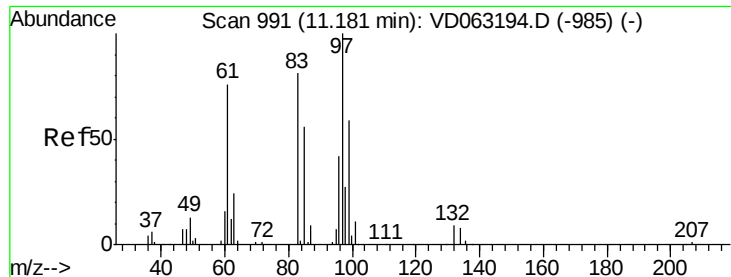
100000

50000

0

Time--> 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 21.828 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

Tgt Ion: 97 Resp: 137673

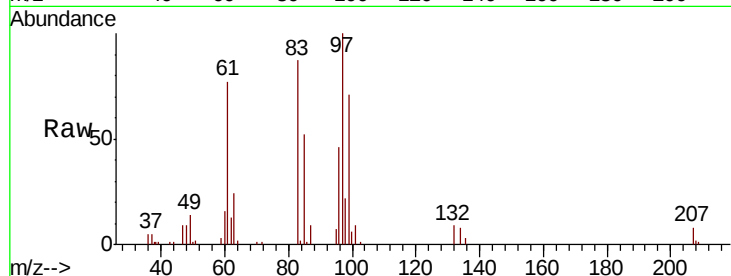
Ion Ratio Lower Upper

97 100

83 87.0 64.8 97.2

85 51.8 44.9 67.3

99 70.6 47.2 70.8

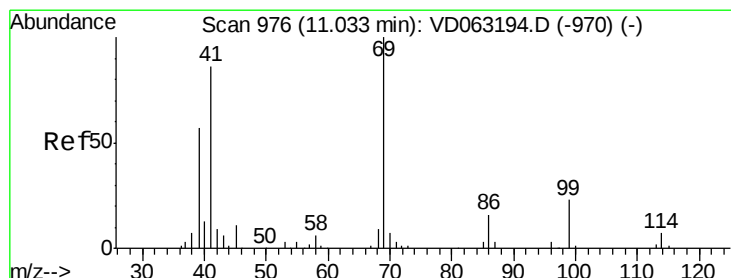
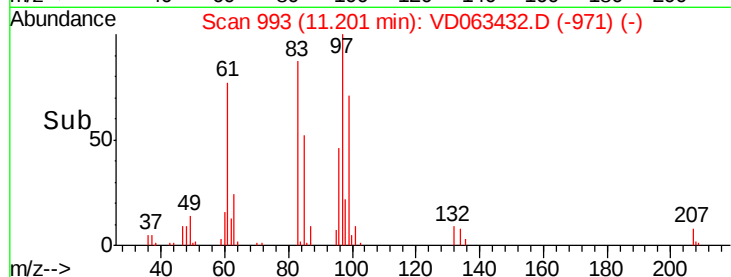
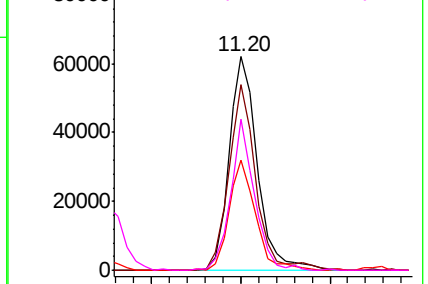


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.703 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

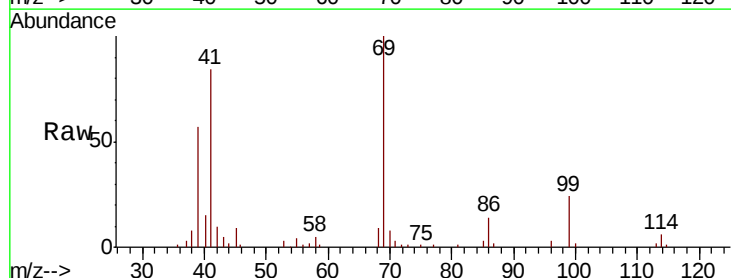
Tgt Ion: 69 Resp: 142988

Ion Ratio Lower Upper

69 100

41 83.6 68.8 103.2

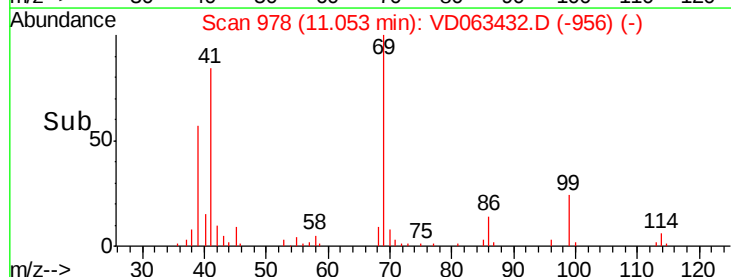
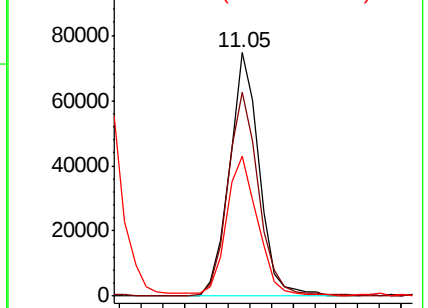
39 57.5 45.8 68.8

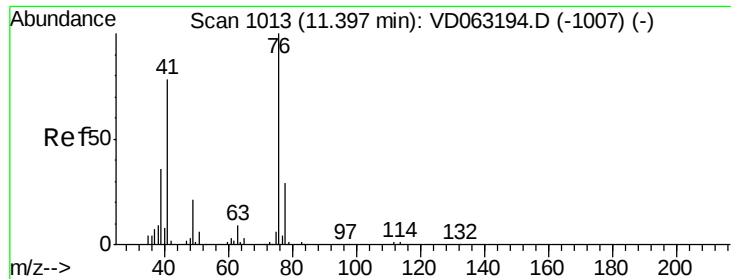


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.289 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

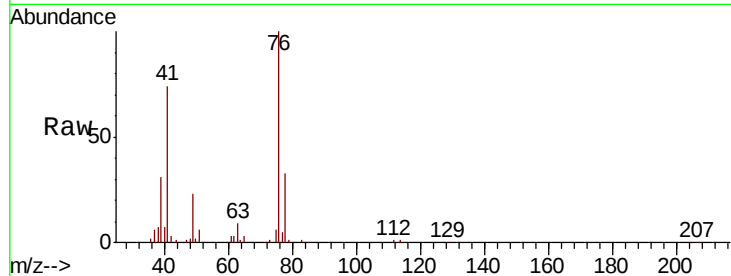
VD0808SBS01

Tgt Ion: 76 Resp: 211557

Ion Ratio Lower Upper

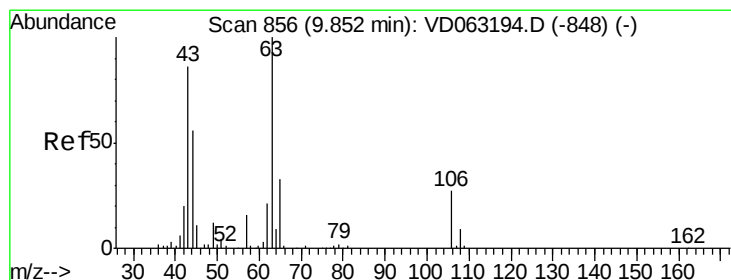
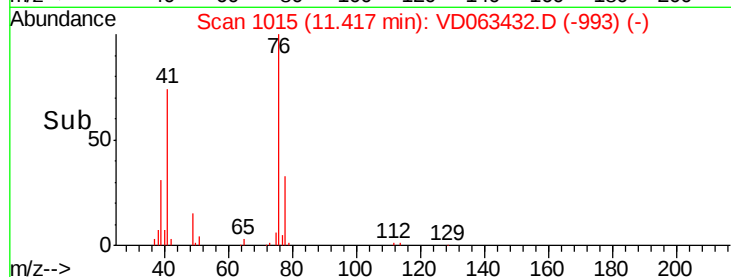
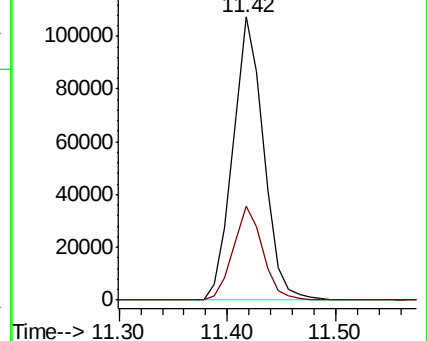
76 100

78 33.1 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.919 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD063432.D

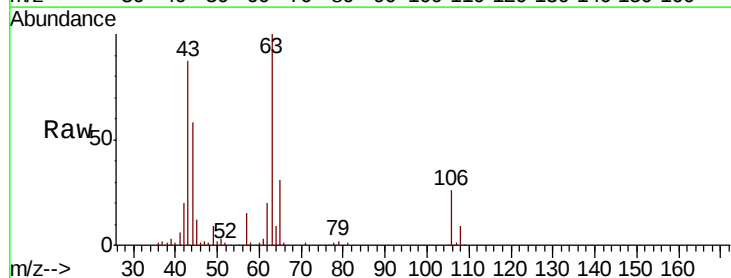
Acq: 8 Aug 2019 12:27

Tgt Ion: 63 Resp: 402204

Ion Ratio Lower Upper

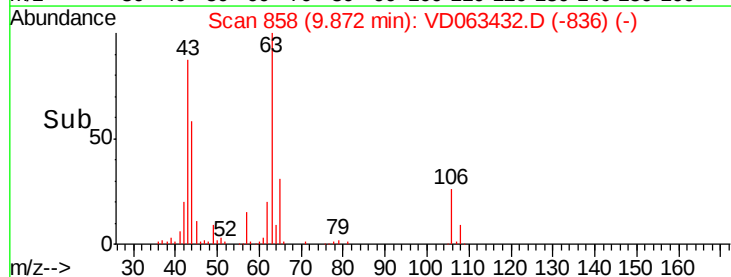
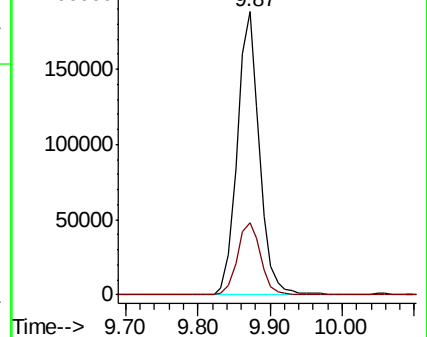
63 100

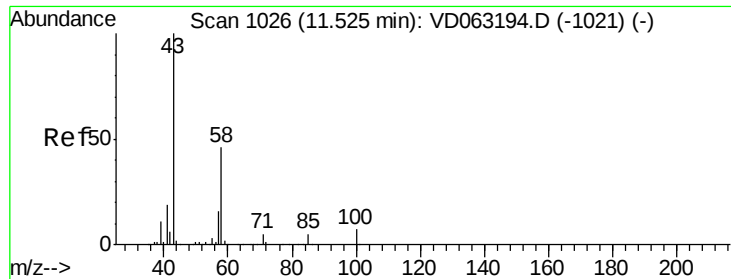
106 25.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

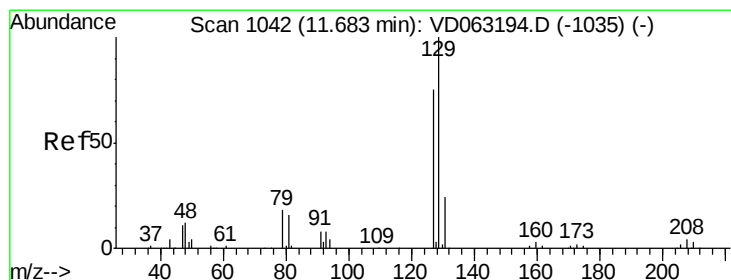
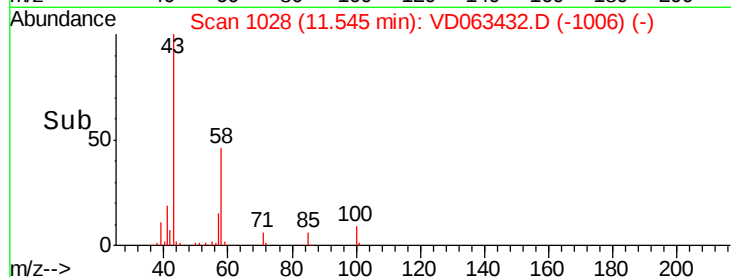
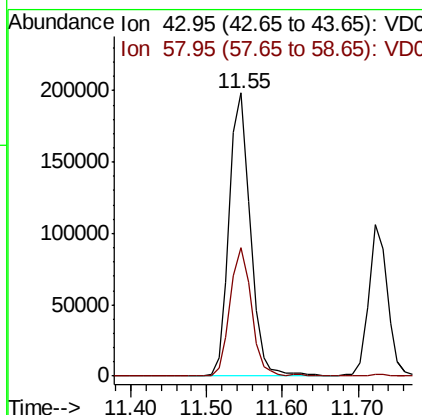
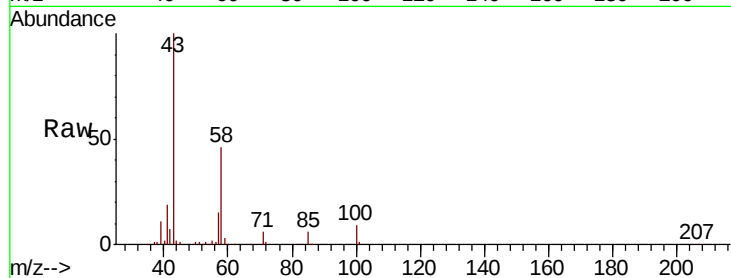




#59
2-Hexanone
Concen: 102.092 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

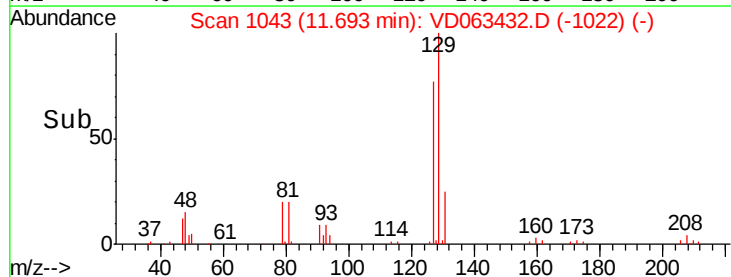
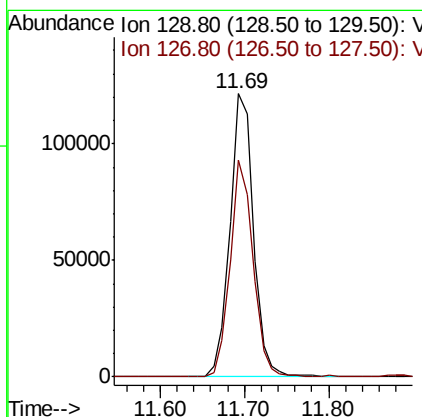
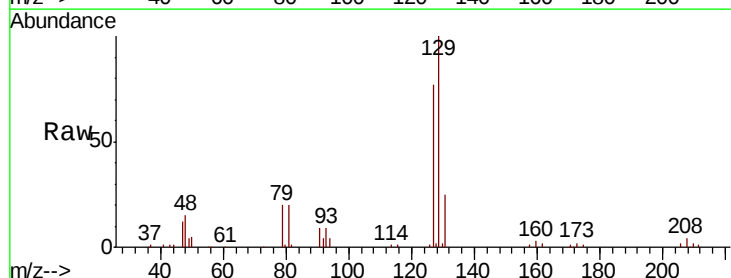
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

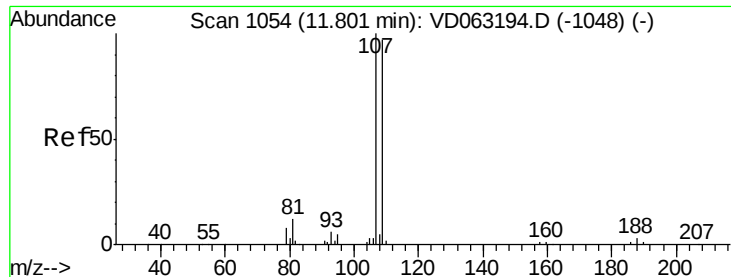
Tgt Ion: 43 Resp: 384693
Ion Ratio Lower Upper
43 100
58 45.6 22.9 68.5



#60
Dibromochloromethane
Concen: 19.858 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 129 Resp: 236440
Ion Ratio Lower Upper
129 100
127 76.7 37.6 112.8

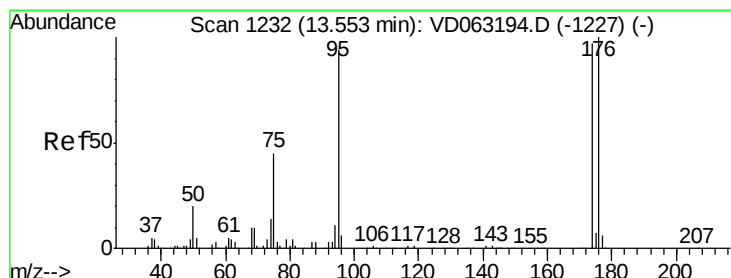
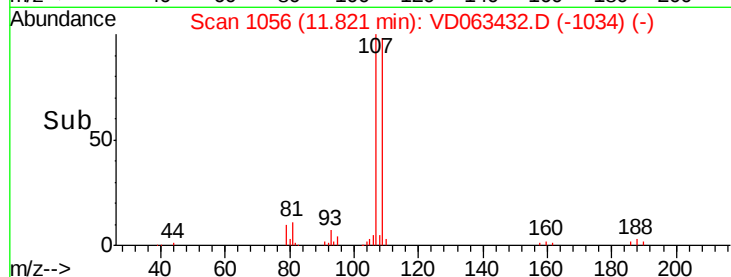
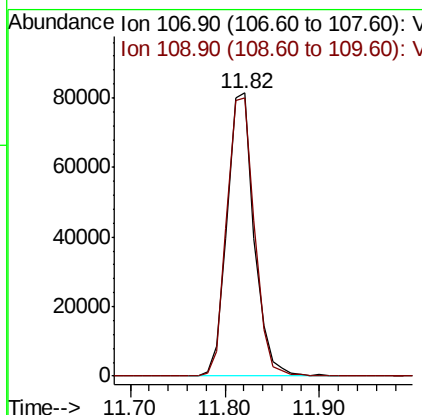
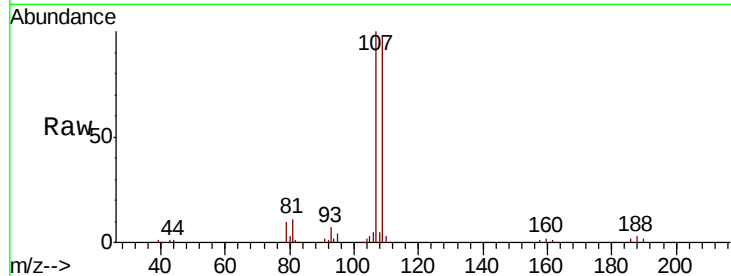




#61
 1,2-Dibromoethane
 Concen: 20.738 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

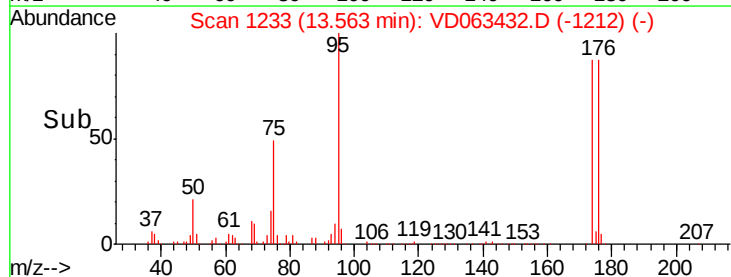
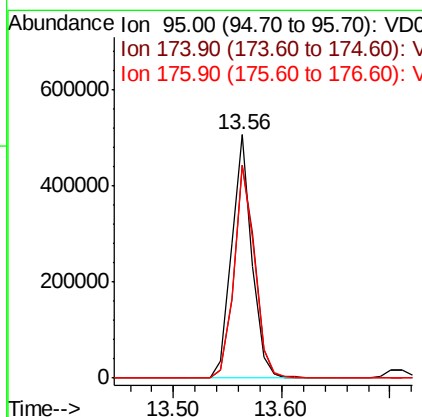
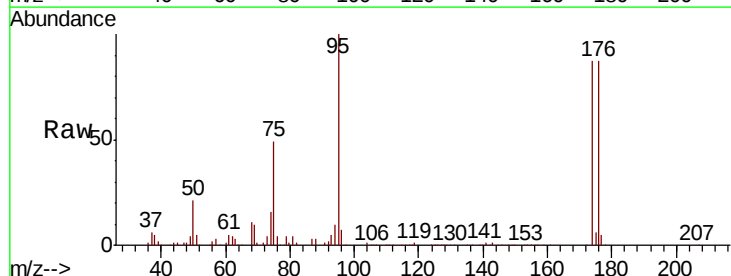
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

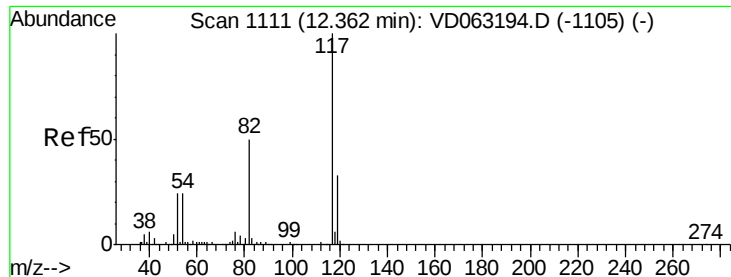
Tgt Ion: 107 Resp: 161395
 Ion Ratio Lower Upper
 107 100
 109 98.5 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 51.437 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion: 95 Resp: 657481
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 205.4
 176 87.4 0.0 211.8

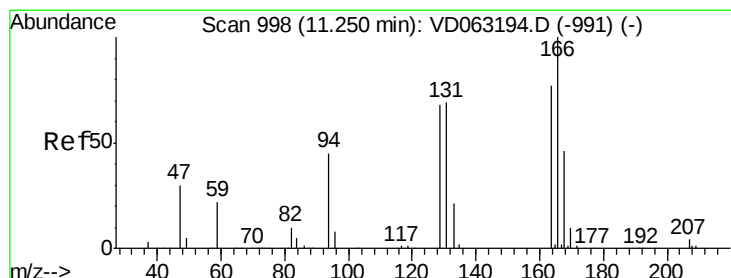
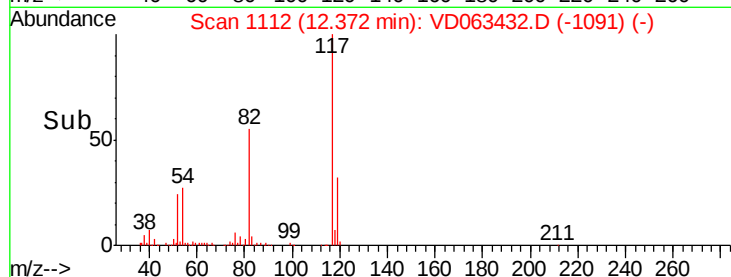
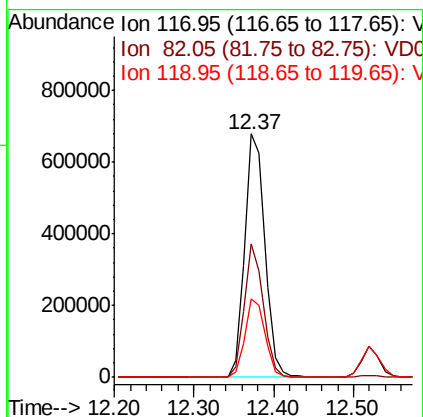
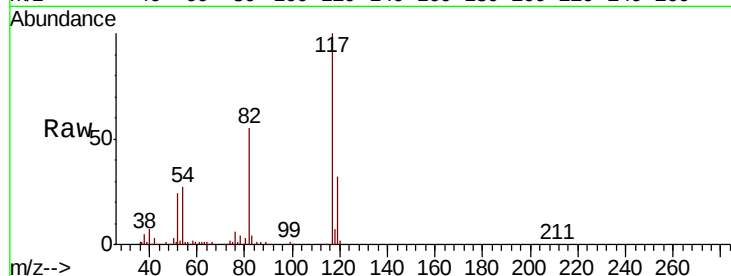




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

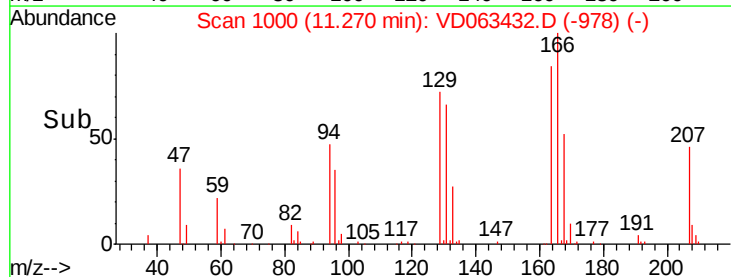
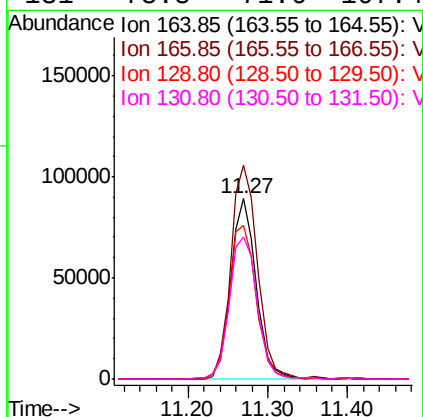
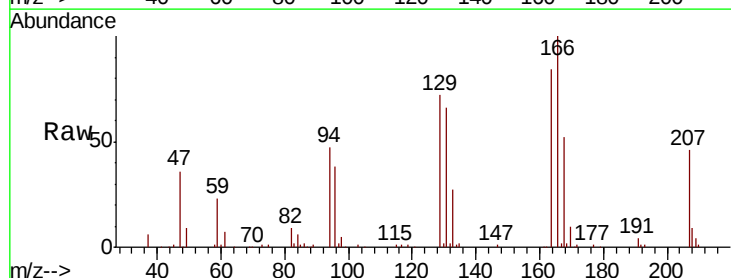
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

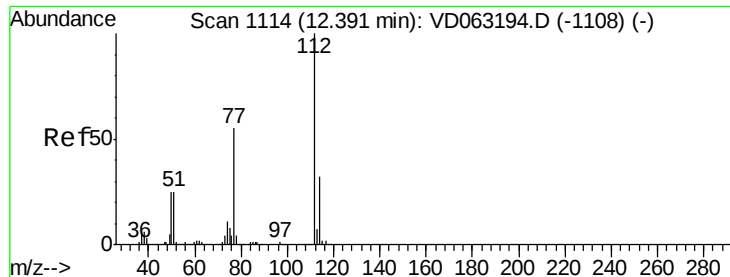
Tgt Ion:117 Resp: 1186184
Ion Ratio Lower Upper
117 100
82 54.7 40.1 60.1
119 32.1 26.5 39.7



#64
Tetrachloroethene
Concen: 21.011 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion:164 Resp: 198554
Ion Ratio Lower Upper
164 100
166 118.6 104.3 156.5
129 85.5 70.9 106.3
131 78.8 71.6 107.4

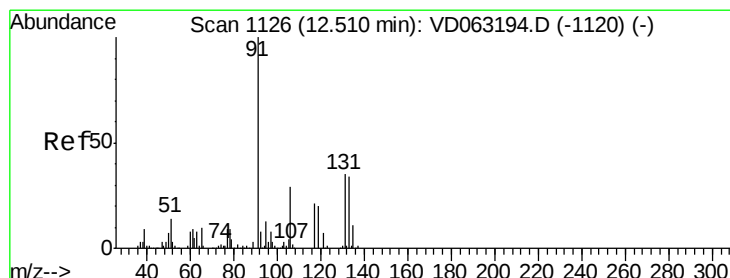
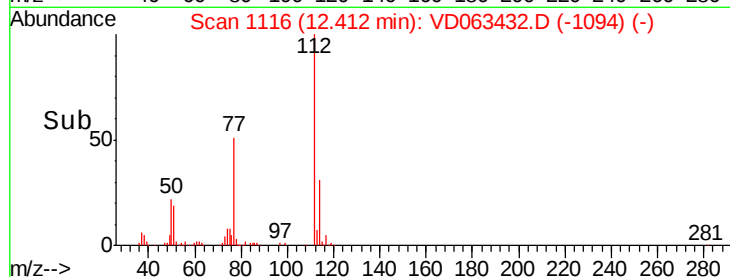
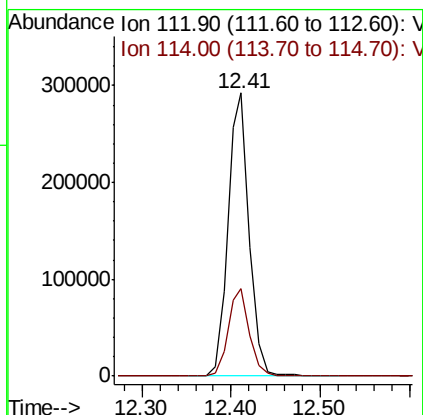
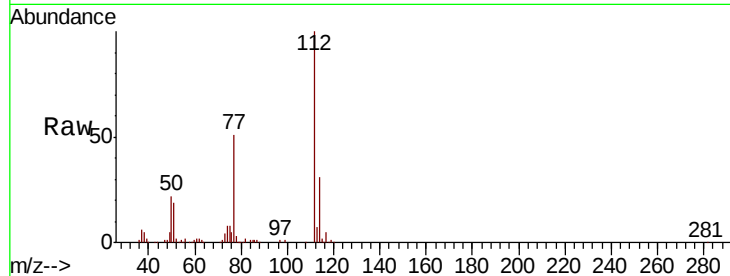




#65
Chlorobenzene
Concen: 21.371 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

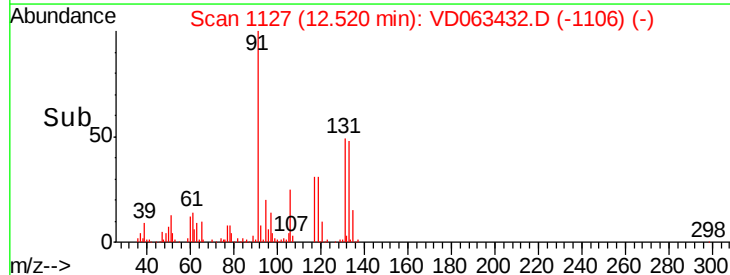
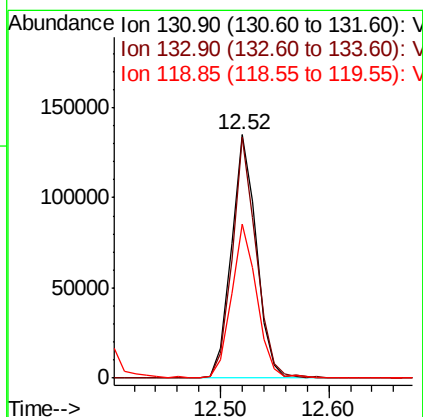
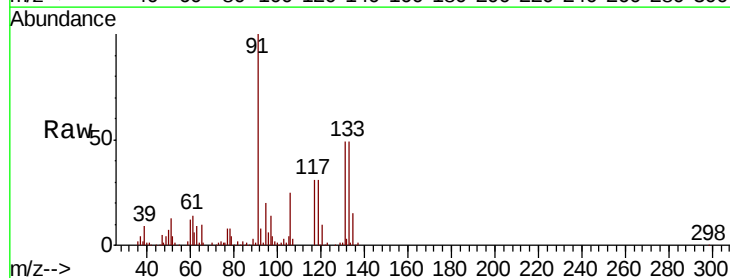
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

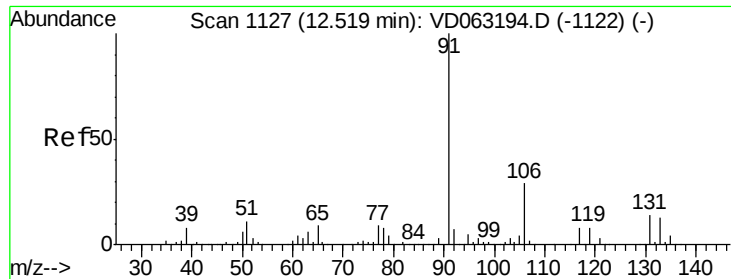
Tgt Ion:112 Resp: 487585
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.620 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion:131 Resp: 217279
Ion Ratio Lower Upper
131 100
133 98.8 48.4 145.2
119 63.1 29.1 87.3

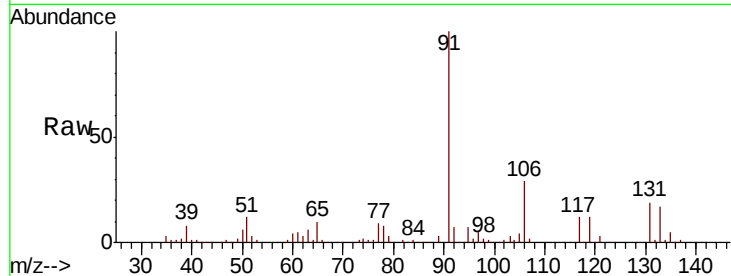




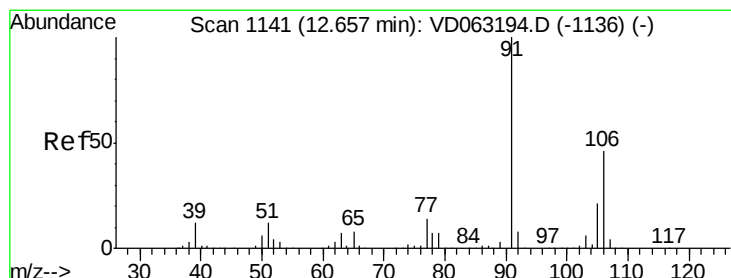
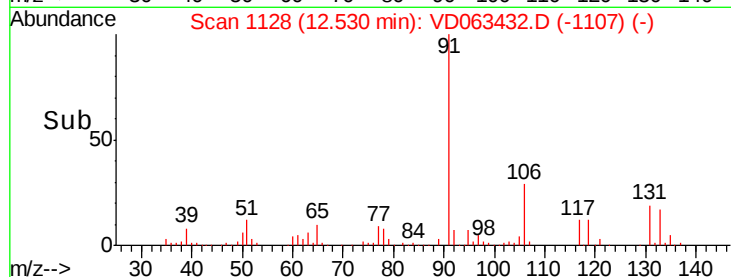
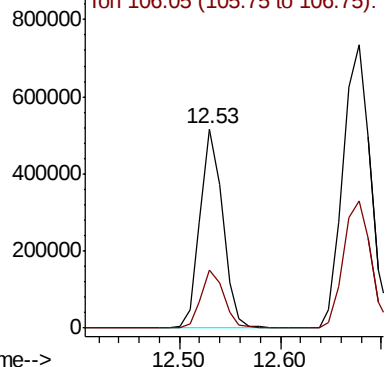
#67
Ethyl Benzene
Concen: 20.962 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tgt Ion: 91 Resp: 812462
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3

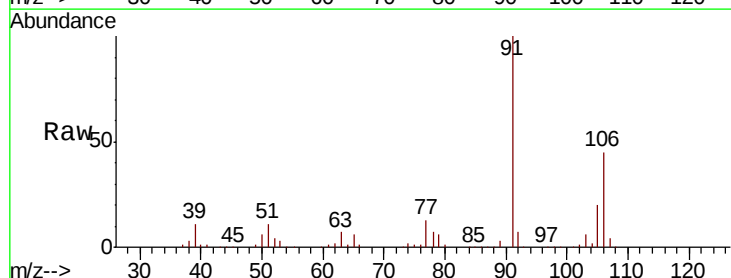


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

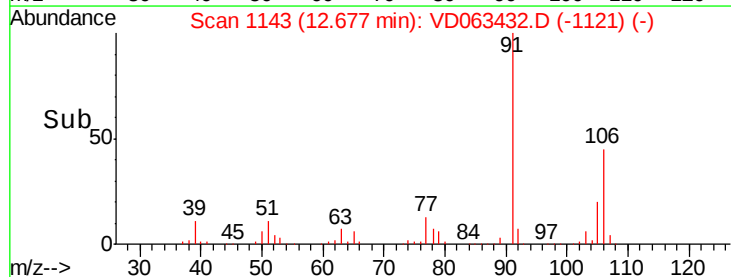
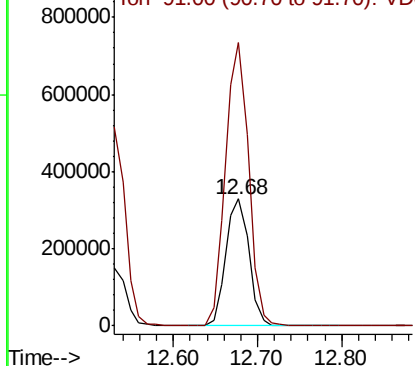


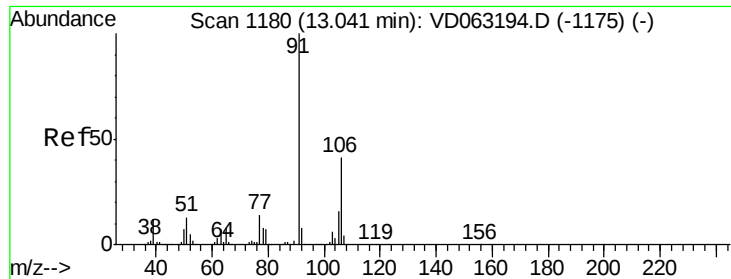
#68
m/p-Xylenes
Concen: 44.261 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 106 Resp: 629120
Ion Ratio Lower Upper
106 100
91 223.6 172.6 259.0



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

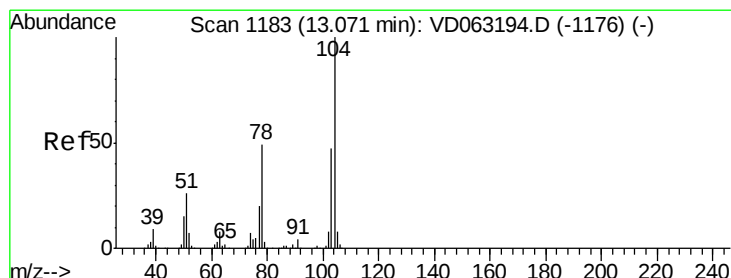
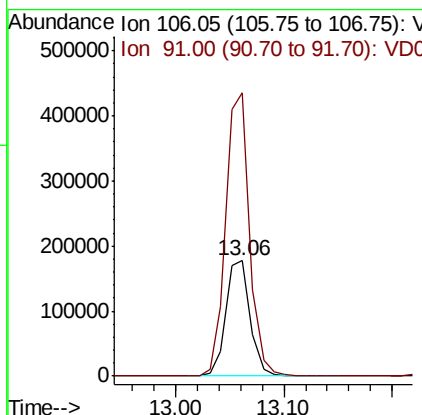
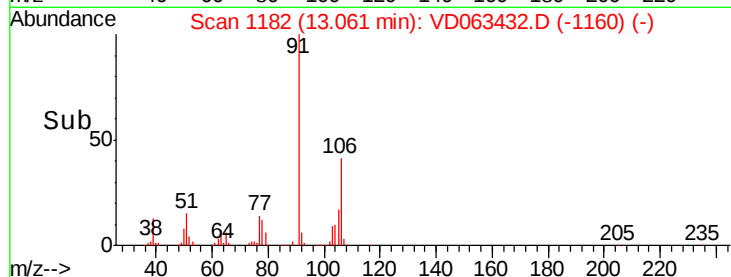
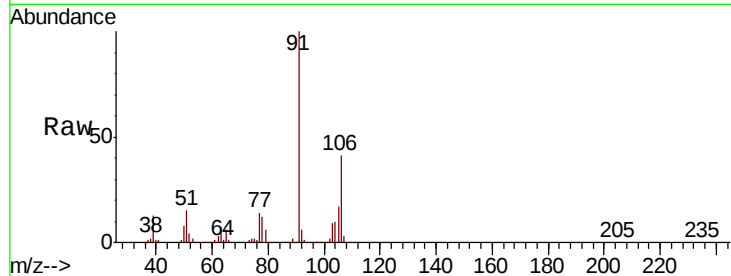




#69
o-Xylene
Concen: 21.284 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

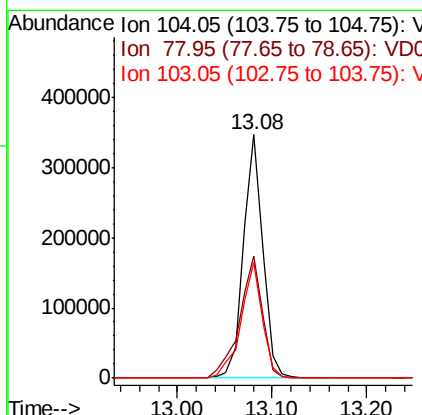
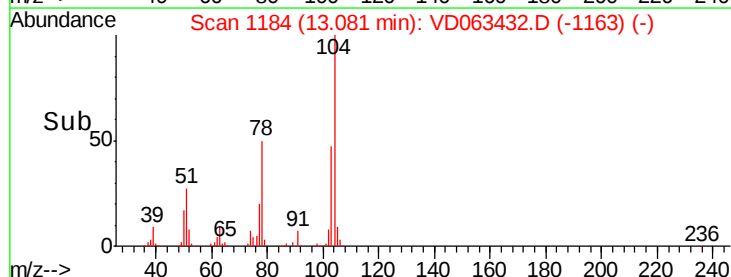
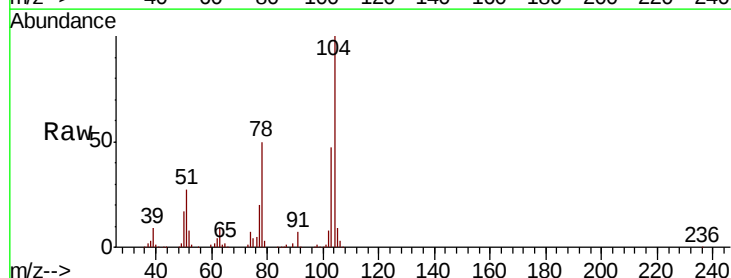
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

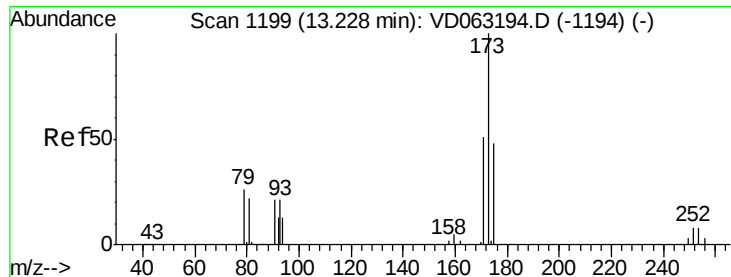
Tgt Ion:106 Resp: 277811
Ion Ratio Lower Upper
106 100
91 245.5 121.3 363.9



#70
Styrene
Concen: 21.149 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion:104 Resp: 489568
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.0
103 47.5 37.4 56.2





#71

Bromoform

Concen: 20.595 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

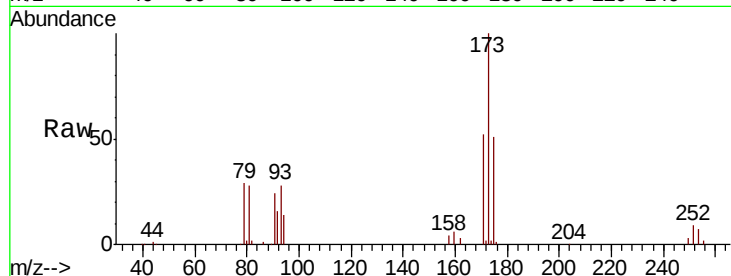
Tgt Ion:173 Resp: 150521

Ion Ratio Lower Upper

173 100

175 50.5 23.8 71.5

254 7.5 6.6 10.0

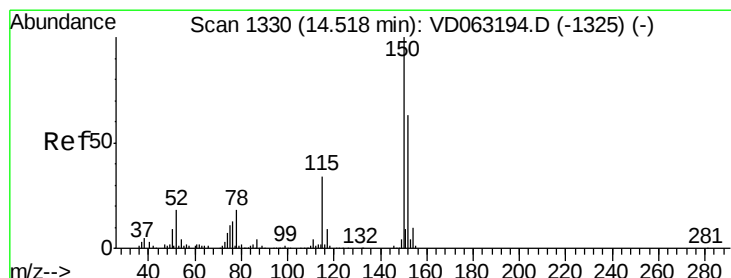
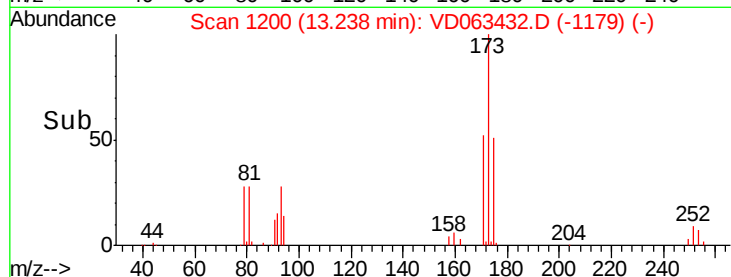
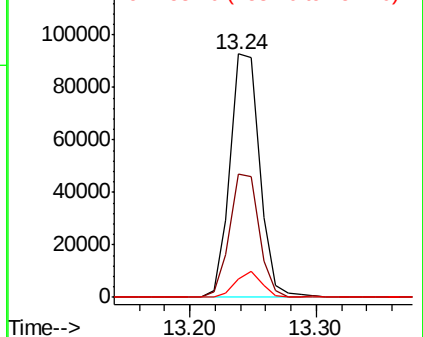


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

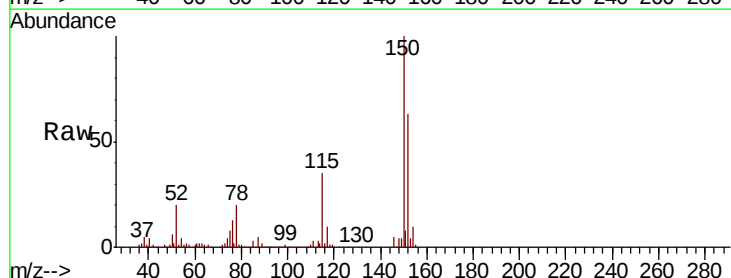
Tgt Ion:152 Resp: 616725

Ion Ratio Lower Upper

152 100

115 55.9 27.5 82.4

150 158.0 0.0 320.6

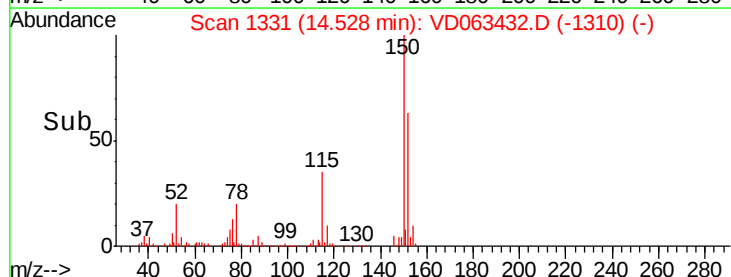
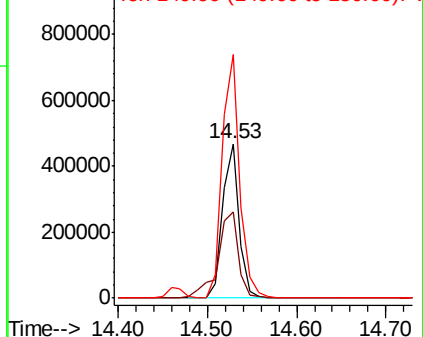


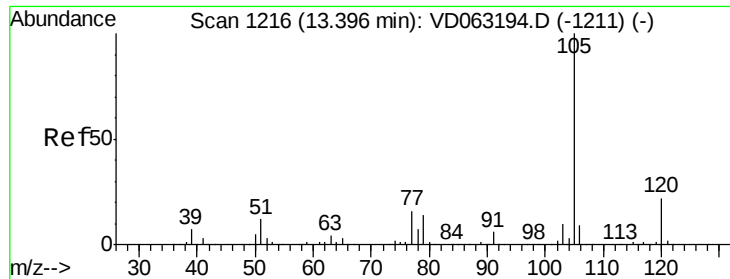
Abundance

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

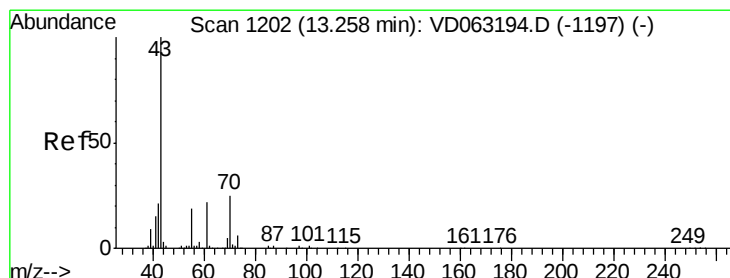
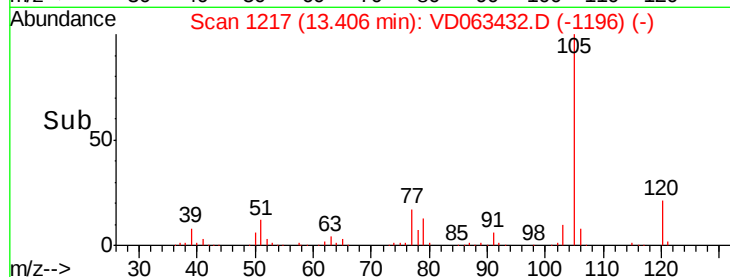
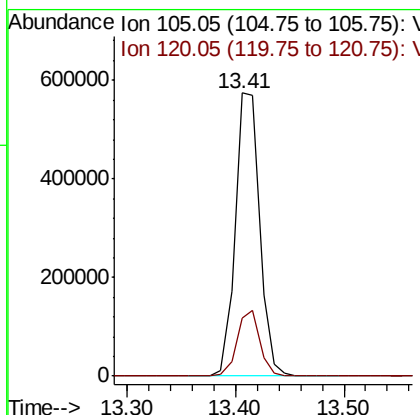
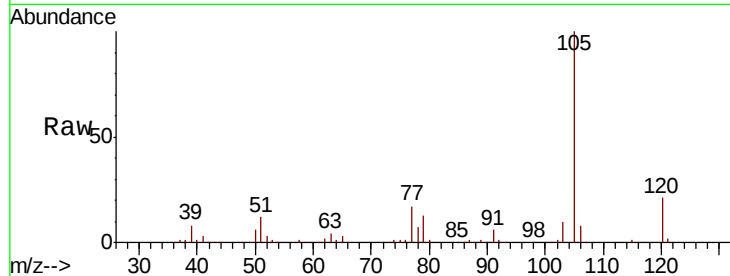




#73
Isopropylbenzene
Concen: 23.334 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

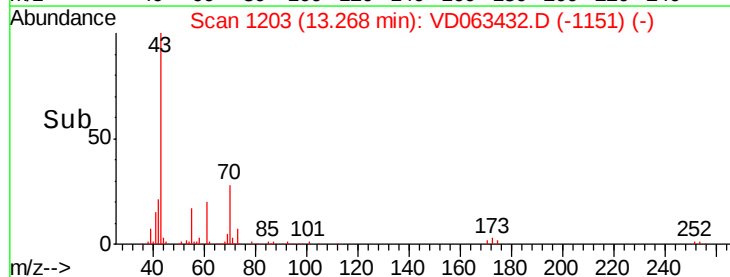
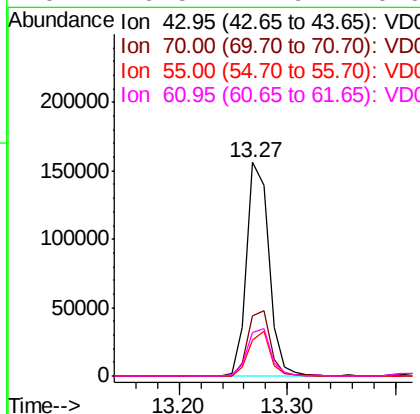
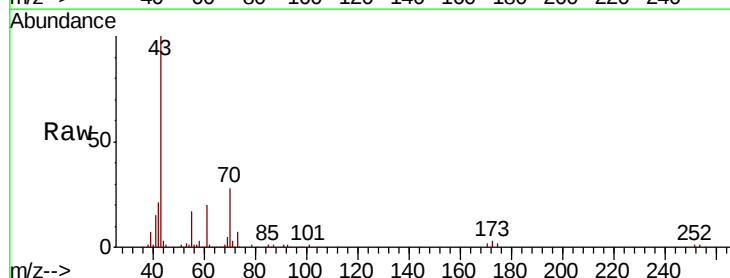
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

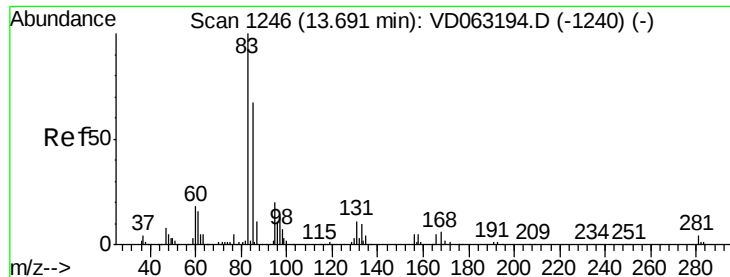
Tgt Ion: 105 Resp: 903190
Ion Ratio Lower Upper
105 100
120 20.5 11.1 33.3



#74
N-ethyl acetate
Concen: 21.917 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion: 43 Resp: 224275
Ion Ratio Lower Upper
43 100
70 28.0 20.2 30.4
55 16.9 14.9 22.3
61 20.5 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.414 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampled :

VD0808SBS01

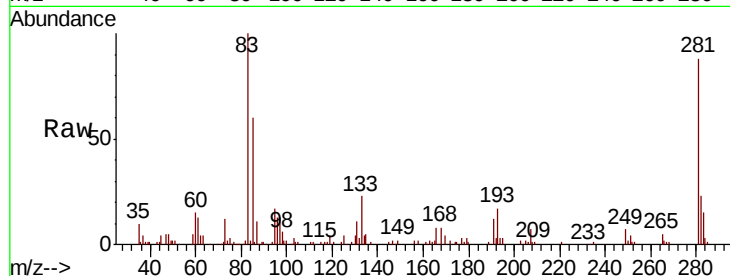
Tgt Ion: 83 Resp: 153951

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

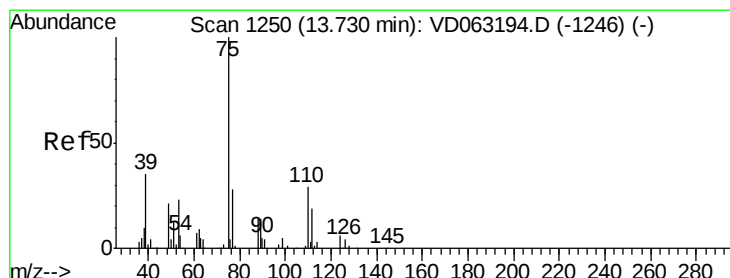
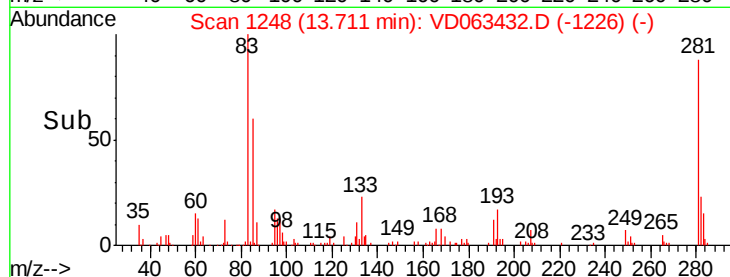
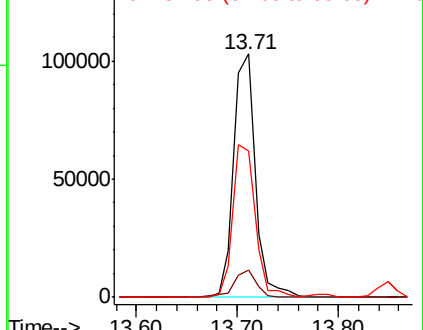
85 60.0 33.7 101.1



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: 21.286 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063432.D

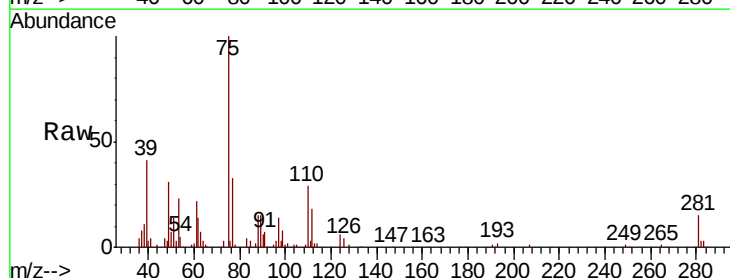
Acq: 8 Aug 2019 12:27

Tgt Ion: 75 Resp: 157682

Ion Ratio Lower Upper

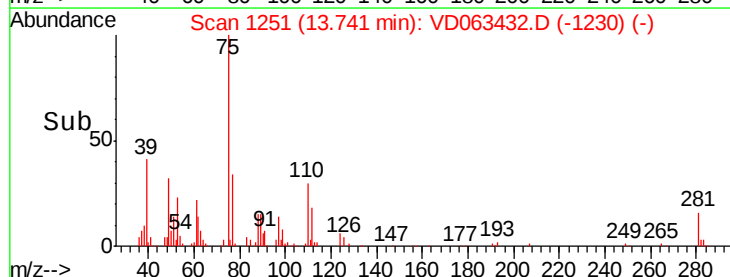
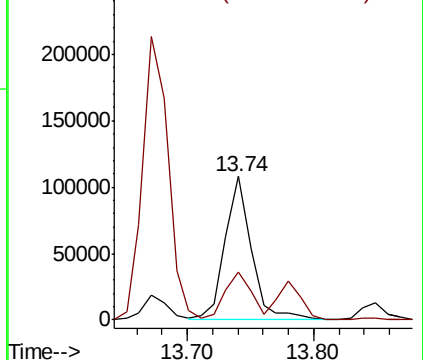
75 100

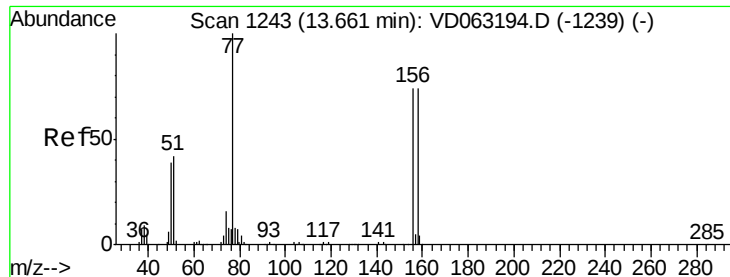
77 33.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.848 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

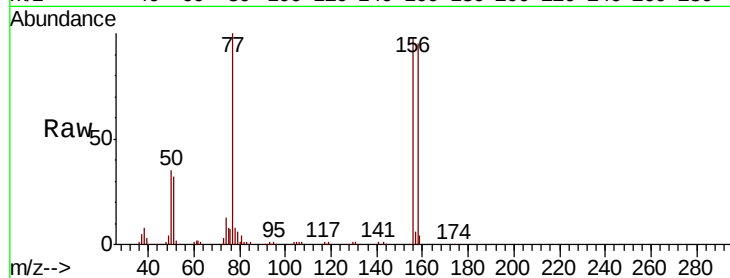
Tgt Ion: 156 Resp: 240907

Ion Ratio Lower Upper

156 100

77 102.4 67.6 202.8

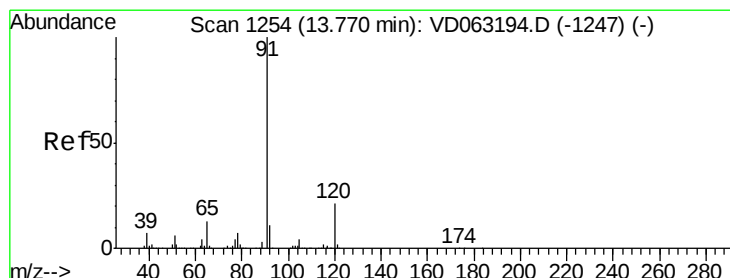
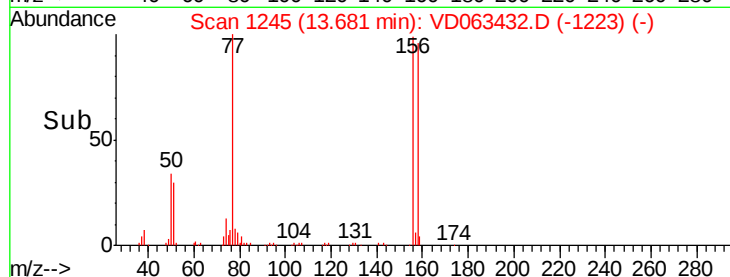
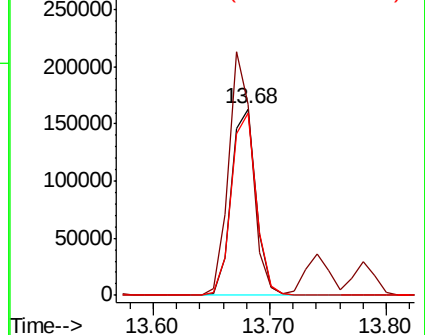
158 97.5 49.8 149.4



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: 22.641 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063432.D

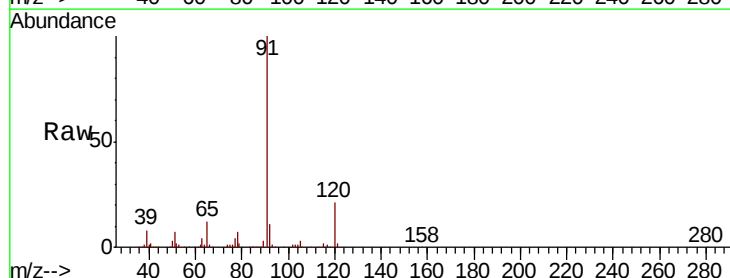
Acq: 8 Aug 2019 12:27

Tgt Ion: 91 Resp: 1042922

Ion Ratio Lower Upper

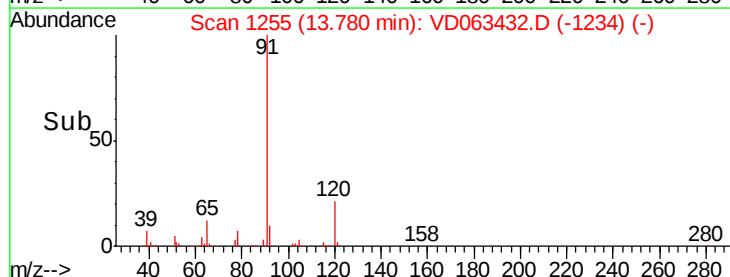
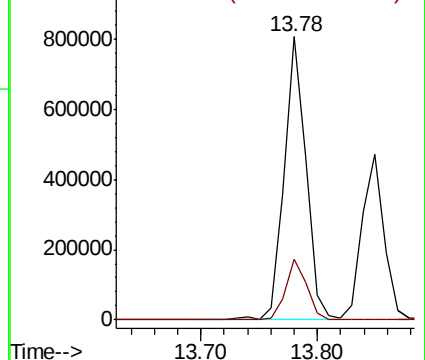
91 100

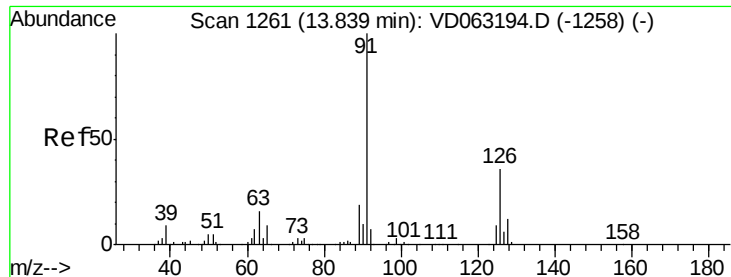
120 21.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

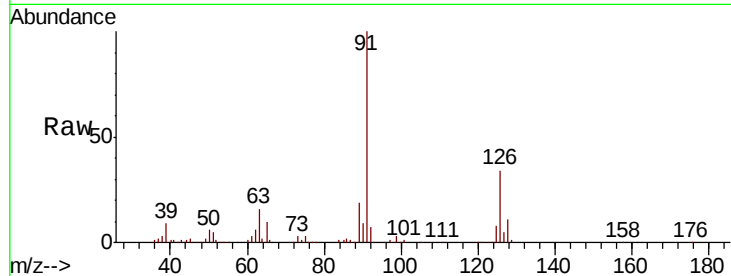




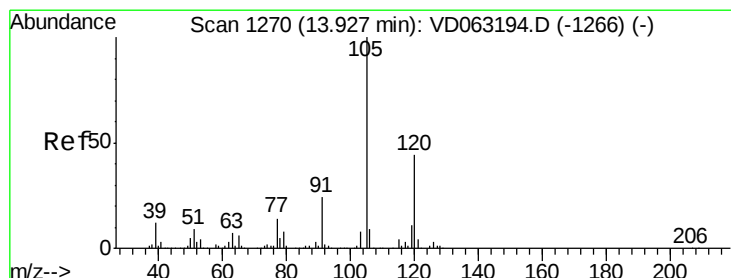
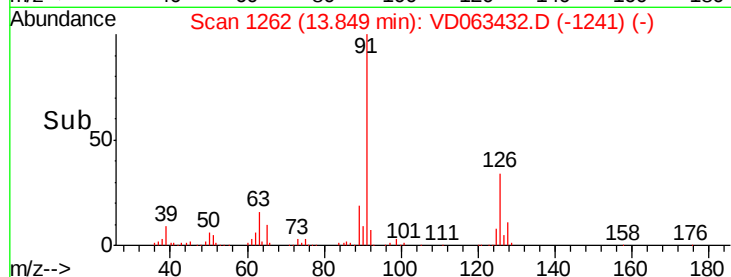
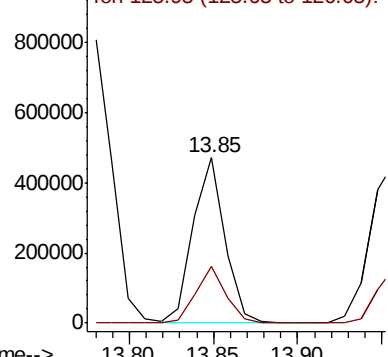
#79
 2-Chlorotoluene
 Concen: 22.915 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tgt Ion: 91 Resp: 611622
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.8 53.5

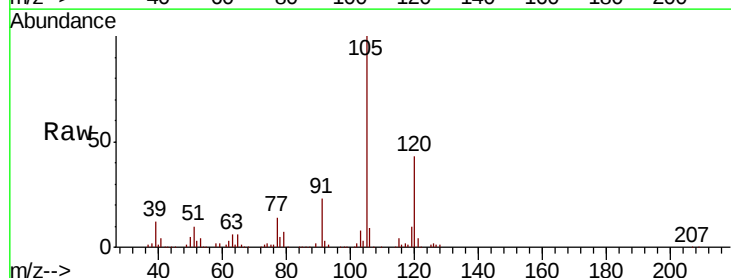


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

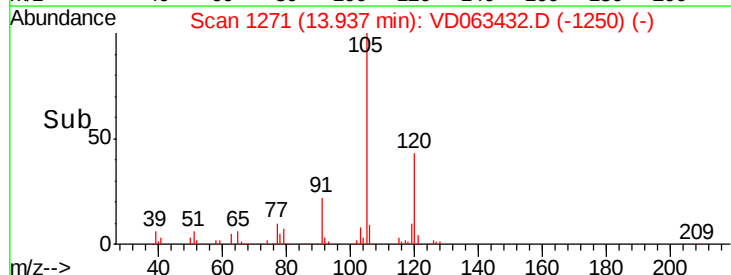
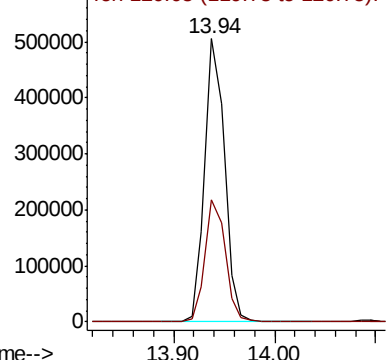


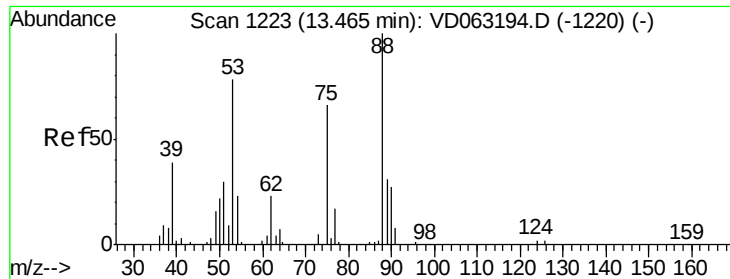
#80
 1,3,5-Trimethylbenzene
 Concen: 20.717 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion: 105 Resp: 691628
 Ion Ratio Lower Upper
 105 100
 120 43.0 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: 18.763 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

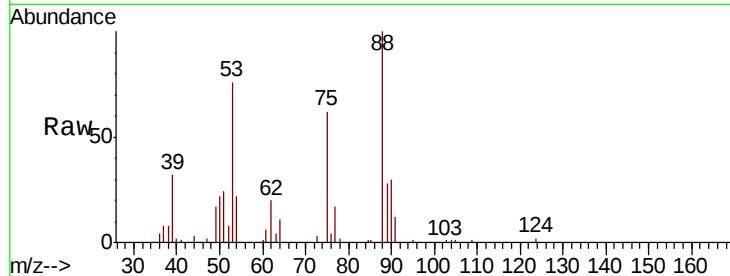
Tgt Ion: 75 Resp: 38595

Ion Ratio Lower Upper

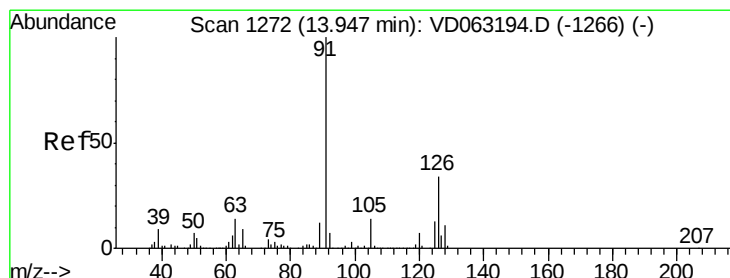
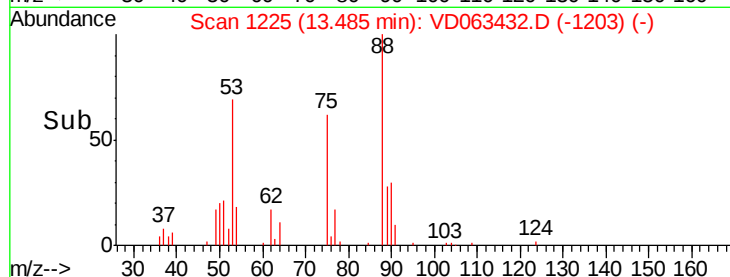
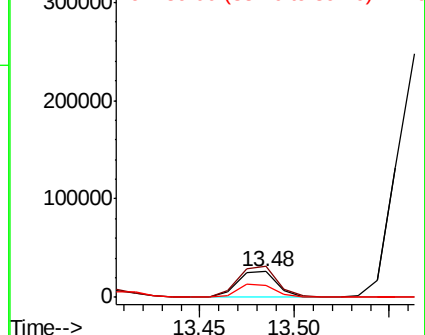
75 100

53 122.5 94.9 142.3

89 44.9 37.4 56.0



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



#82

4-Chlorotoluene

Concen: 21.433 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD063432.D

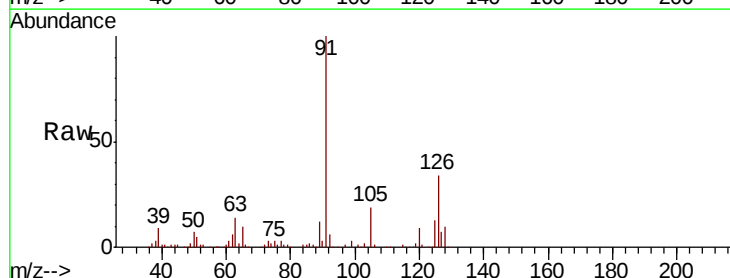
Acq: 8 Aug 2019 12:27

Tgt Ion: 91 Resp: 673218

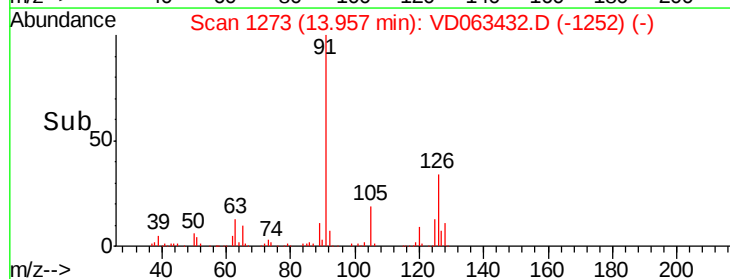
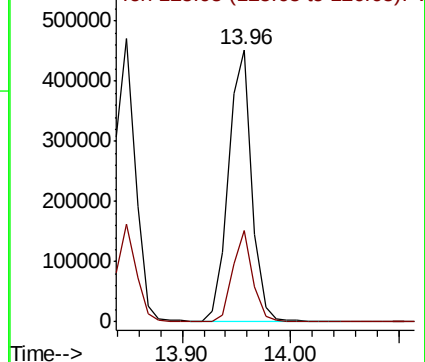
Ion Ratio Lower Upper

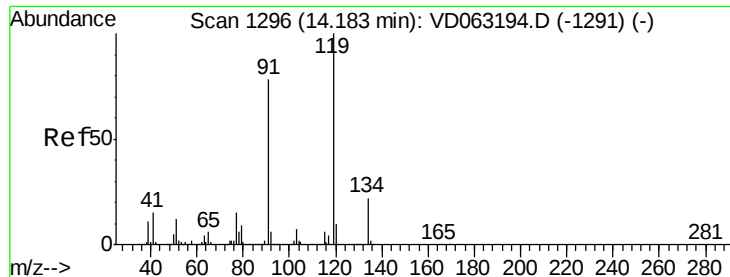
91 100

126 33.8 17.1 51.2



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

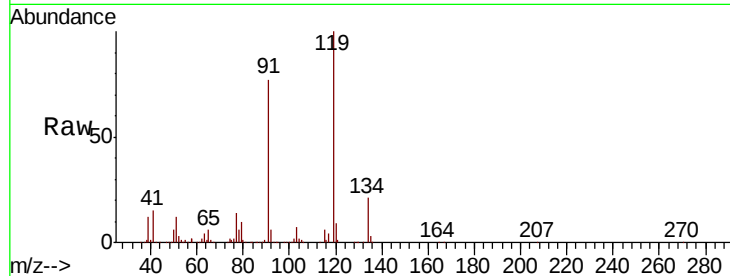




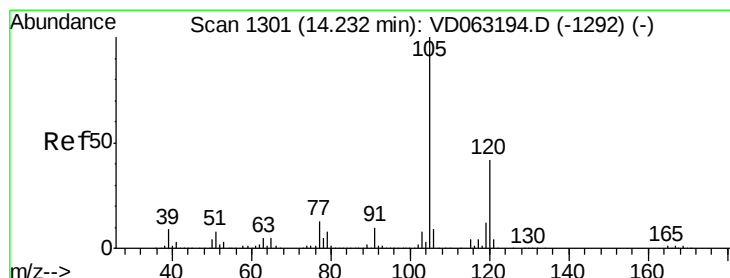
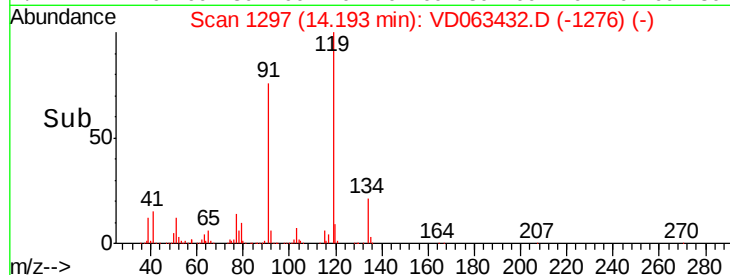
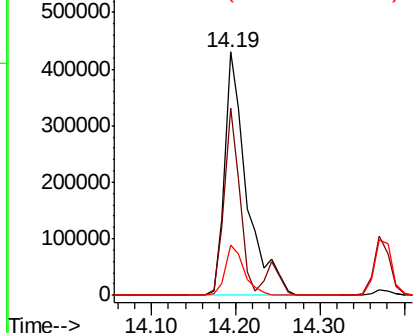
#83
 tert-Butylbenzene
 Concen: 20.566 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tgt Ion:119 Resp: 783951
 Ion Ratio Lower Upper
 119 100
 91 76.7 39.1 117.5
 134 20.6 10.9 32.6

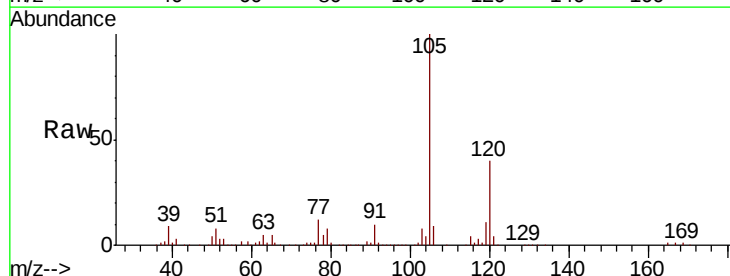


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): VD
 Ion 134.00 (133.70 to 134.70): V

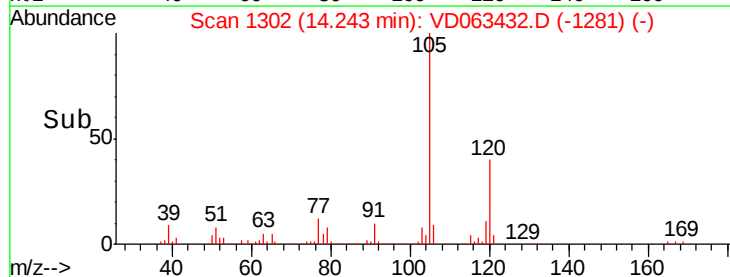
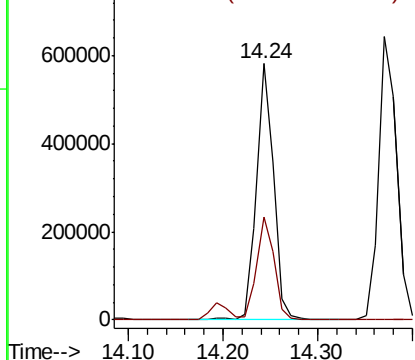


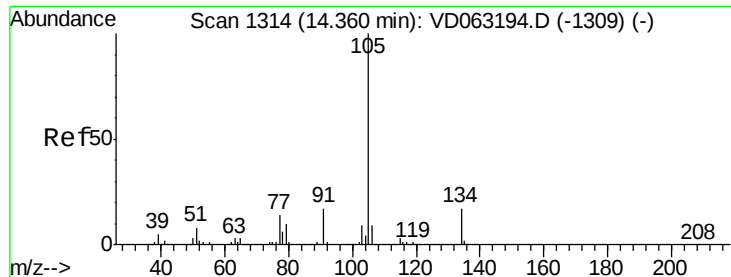
#84
 1,2,4-Trimethylbenzene
 Concen: 21.100 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion:105 Resp: 728624
 Ion Ratio Lower Upper
 105 100
 120 40.0 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: 21.386 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

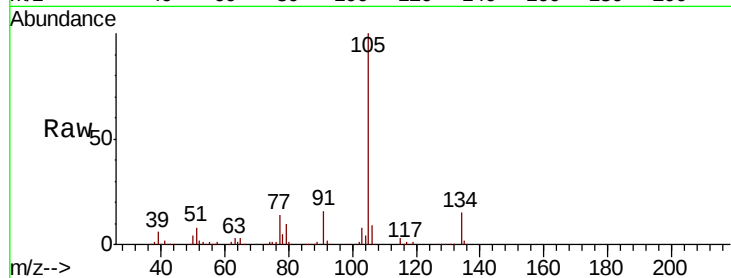
VD0808SBS01

Tgt Ion:105 Resp: 858902

Ion Ratio Lower Upper

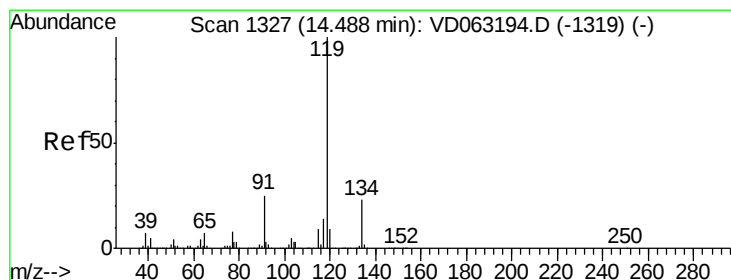
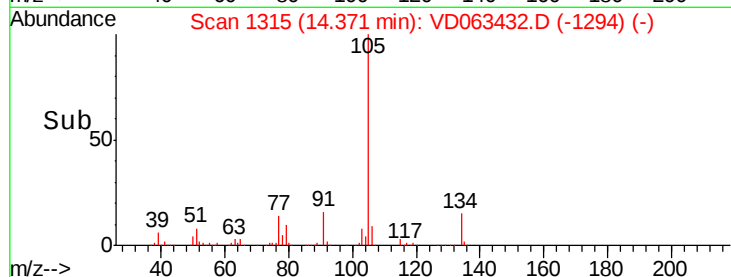
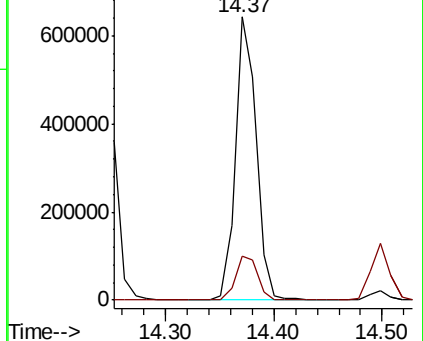
105 100

134 15.4 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.324 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

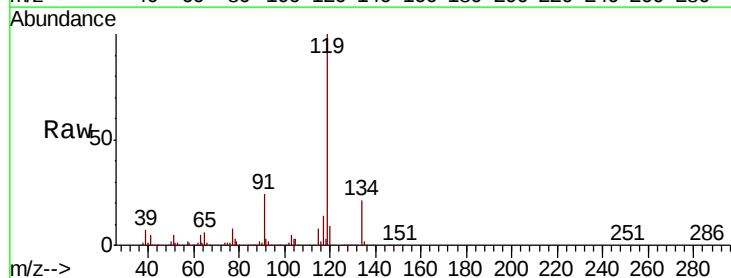
Tgt Ion:119 Resp: 740731

Ion Ratio Lower Upper

119 100

134 20.8 11.5 34.5

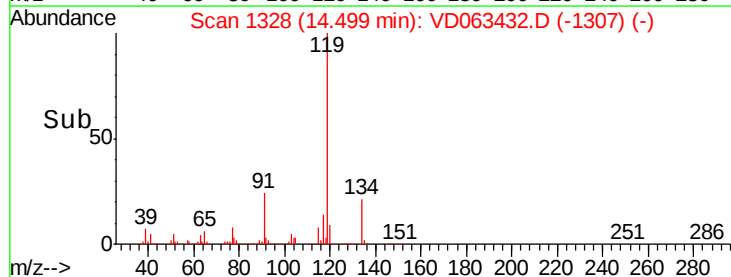
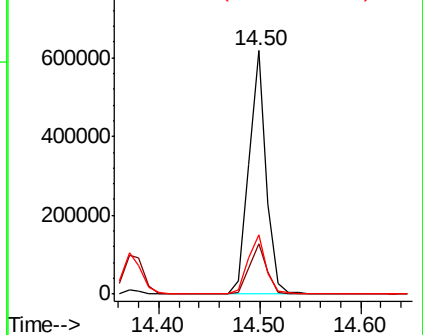
91 24.1 12.6 37.6

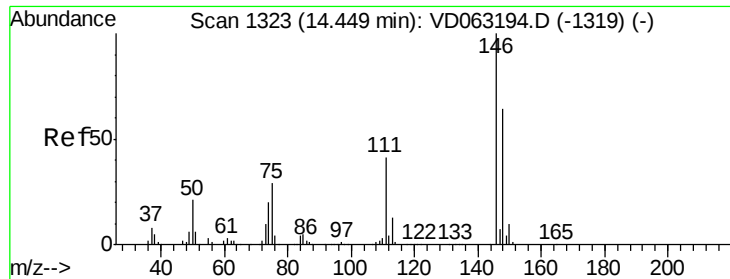


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

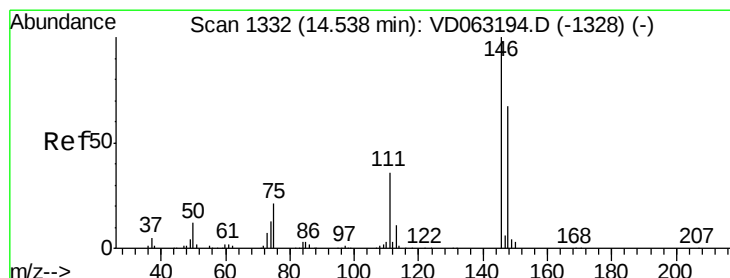
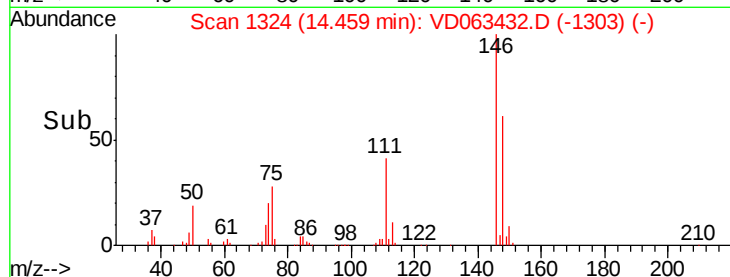
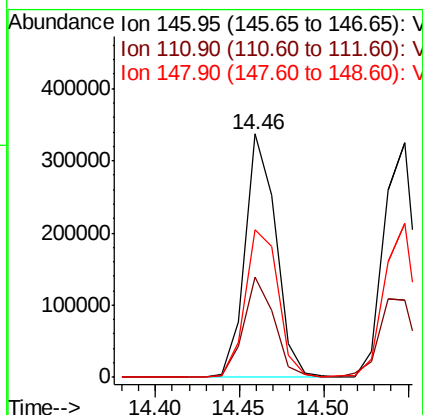
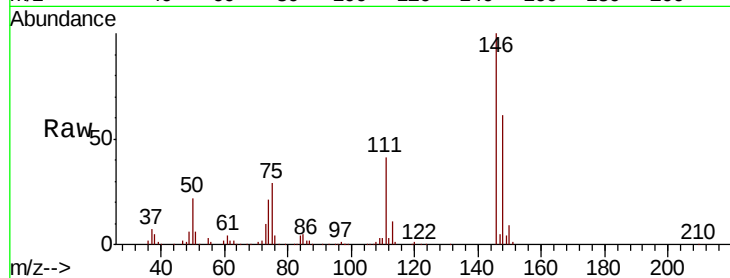




#87
 1,3-Dichlorobenzene
 Concen: 21.987 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

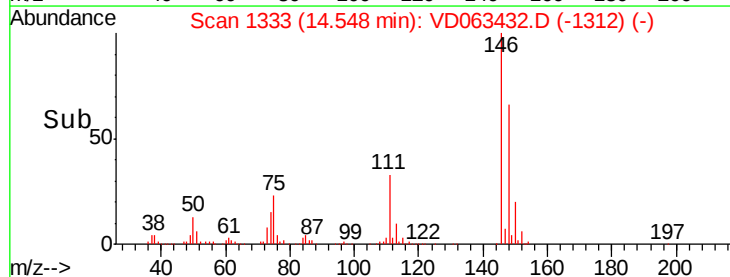
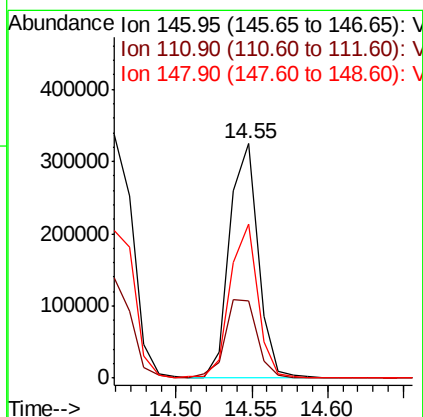
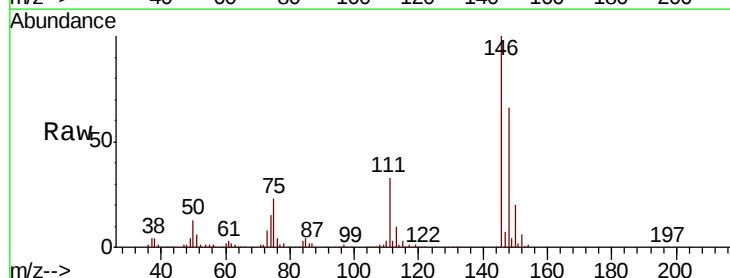
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

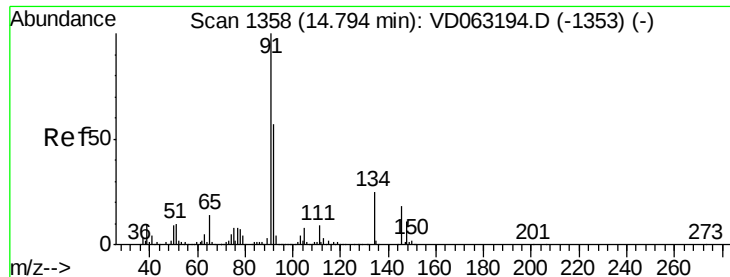
Tgt Ion:146 Resp: 429354
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.4 61.3
 148 60.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.451 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion:146 Resp: 423587
 Ion Ratio Lower Upper
 146 100
 111 33.0 18.1 54.3
 148 65.7 33.4 100.1





#89

n-Butylbenzene

Concen: 23.133 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063432.D

Acq: 8 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

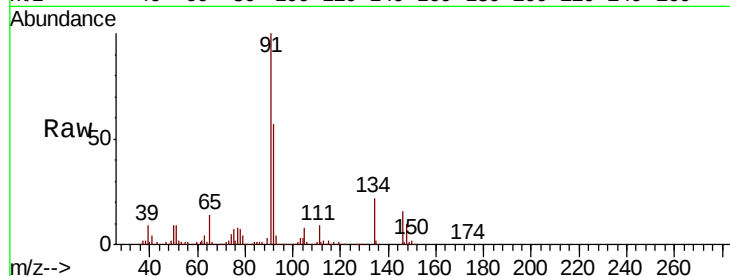
Tgt Ion: 91 Resp: 765860

Ion Ratio Lower Upper

91 100

92 56.7 28.3 85.0

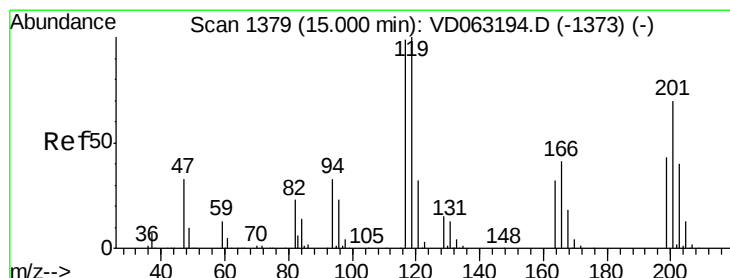
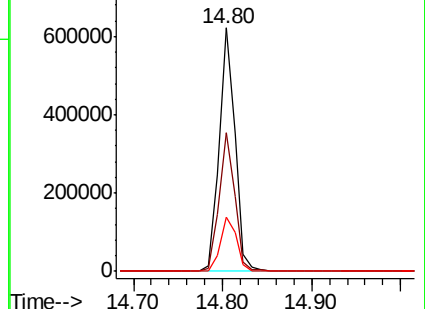
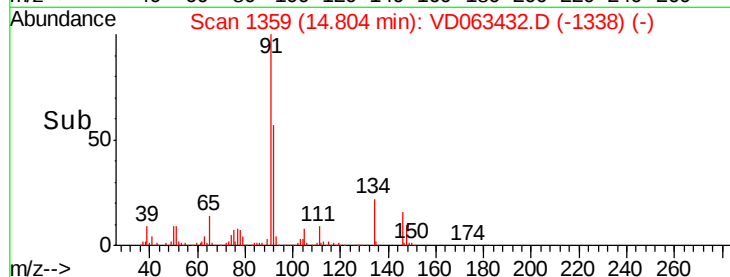
134 22.0 12.3 36.8



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: 21.054 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063432.D

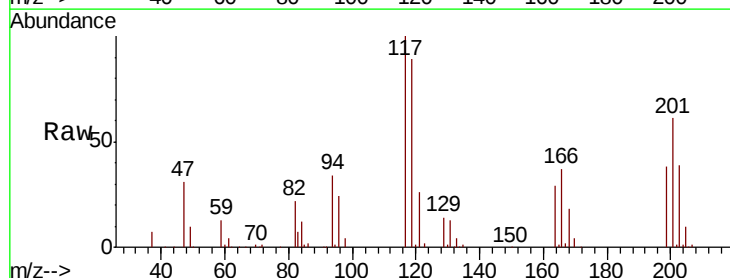
Acq: 8 Aug 2019 12:27

Tgt Ion: 117 Resp: 210266

Ion Ratio Lower Upper

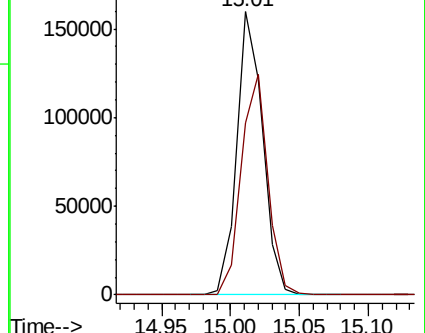
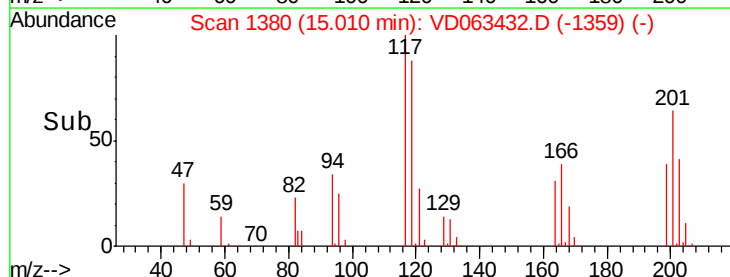
117 100

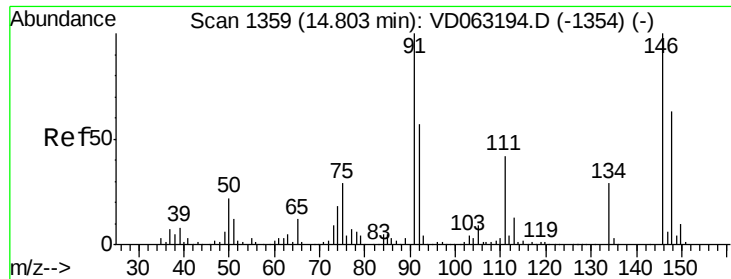
201 60.9 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

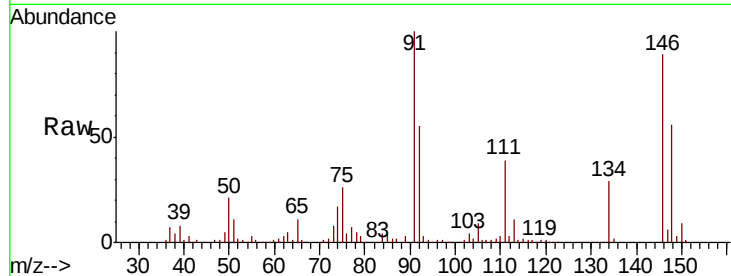




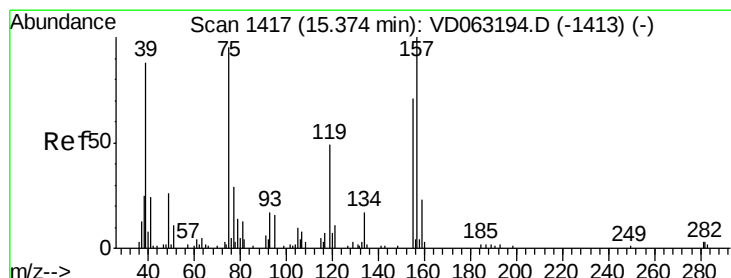
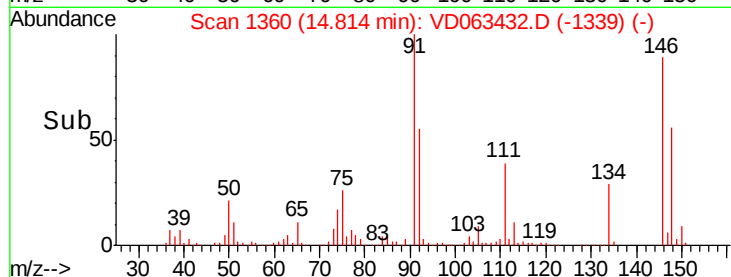
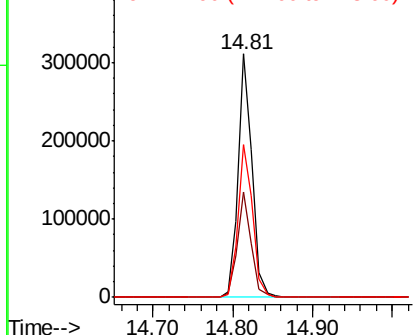
#91
 1,2-Dichlorobenzene
 Concen: 22.600 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tgt Ion: 146 Resp: 384518
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.1 63.3
 148 62.8 31.6 94.8

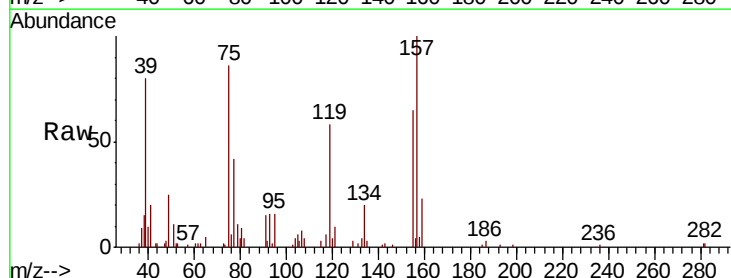


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

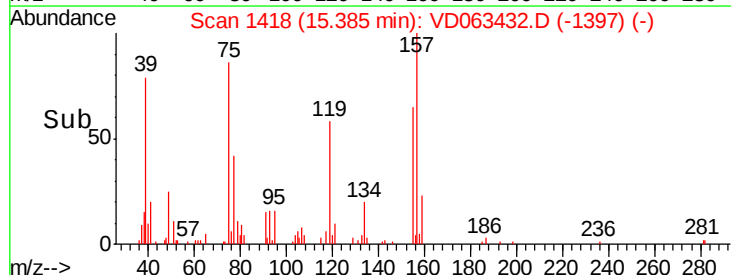
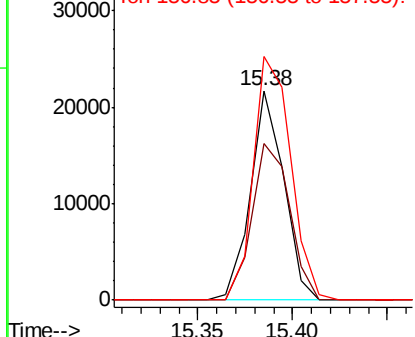


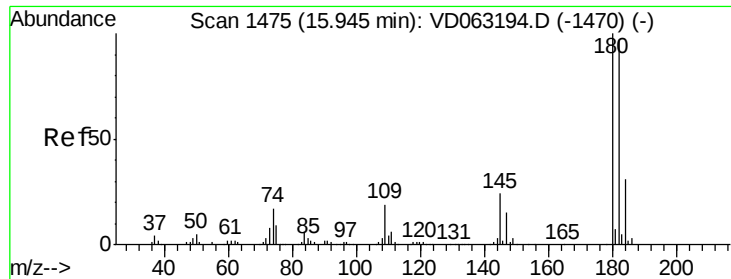
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.803 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion: 75 Resp: 26522
 Ion Ratio Lower Upper
 75 100
 155 75.0 37.0 111.0
 157 116.2 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

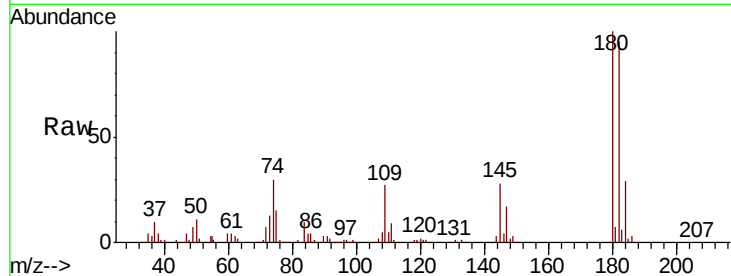




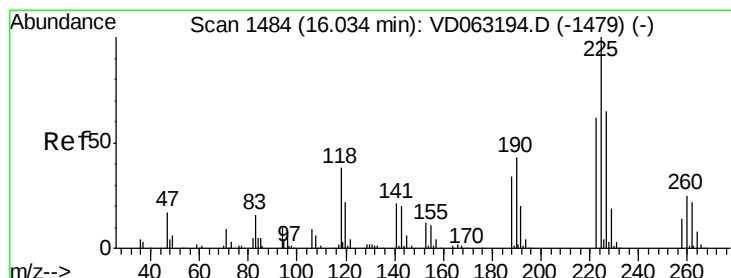
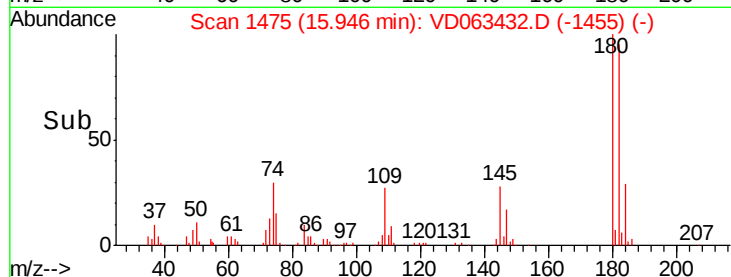
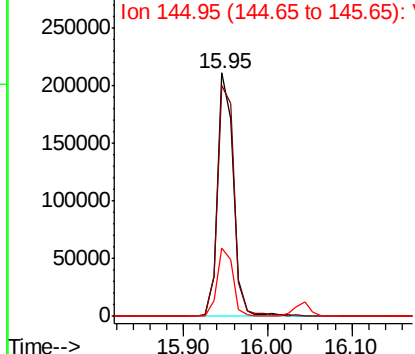
#93
 1,2,4-Trichlorobenzene
 Concen: 20.312 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tgt Ion:180 Resp: 274153
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.6 145.8
 145 28.1 12.2 36.6

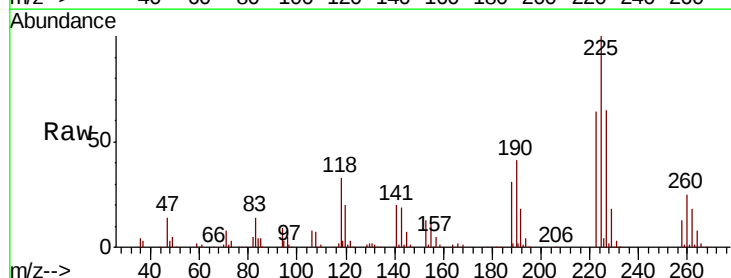


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

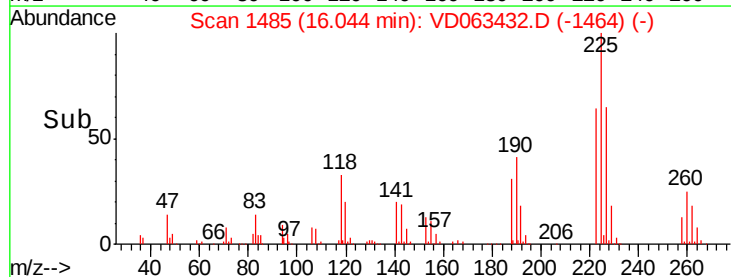
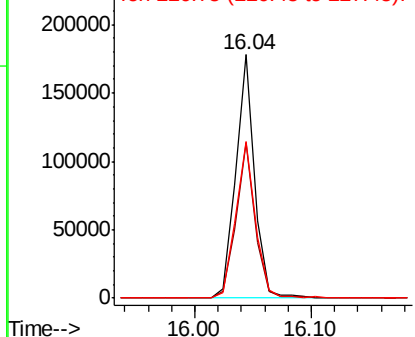


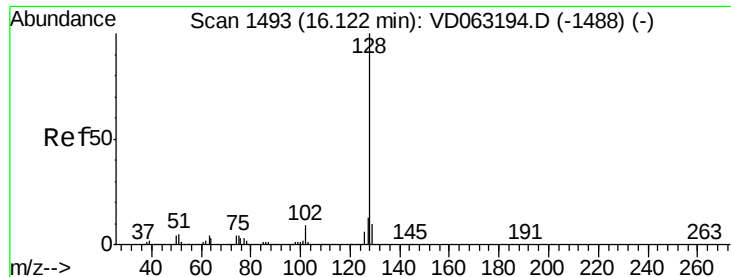
#94
 Hexachlorobutadiene
 Concen: 20.333 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063432.D
 Acq: 8 Aug 2019 12:27

Tgt Ion:225 Resp: 198875
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.9 92.5
 227 64.6 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

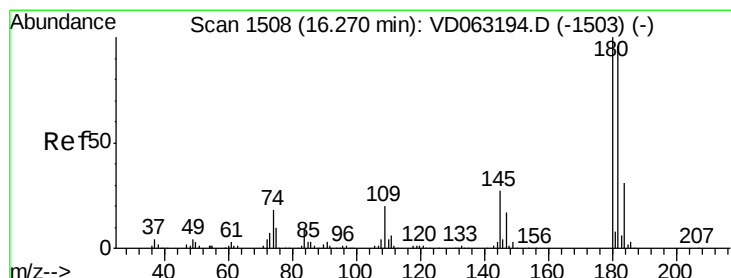
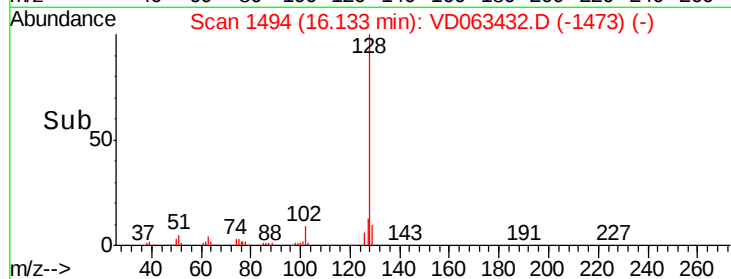
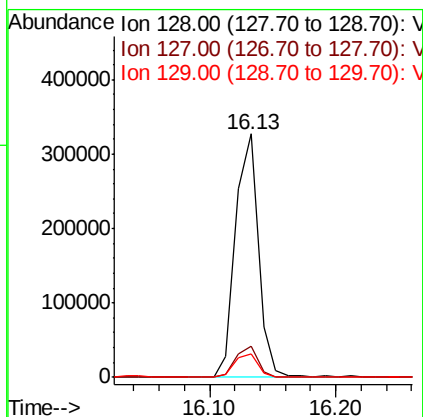
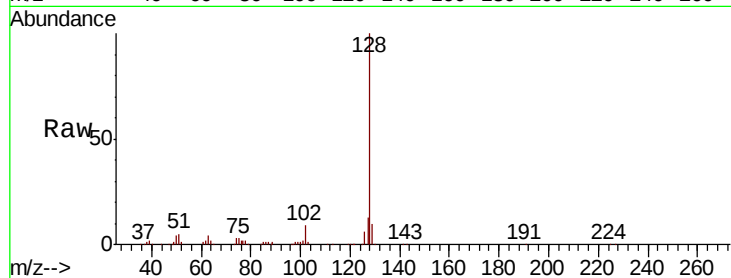




#95
Naphthalene
Concen: 21.486 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tgt Ion:128 Resp: 409894
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 9.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 19.460 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD063432.D
Acq: 8 Aug 2019 12:27

Tgt Ion:180 Resp: 207492
Ion Ratio Lower Upper
180 100
182 96.3 48.3 144.9
145 25.4 13.6 40.7

