

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064208.D
 Acq On : 14 Nov 2019 11:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 15 05:50:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	712515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1001465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	847056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	408944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	274433	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.92	113	278109	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.34	98	1074032	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.64	95	350678	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	297132	50.281	ug/l	98
3) Chloromethane	2.21	50	337851	53.301	ug/l	100
4) Vinyl Chloride	2.35	62	394969	58.270	ug/l	100
5) Bromomethane	2.77	94	257173	60.085	ug/l	98
6) Chloroethane	2.92	64	251934	58.167	ug/l	100
7) Trichlorofluoromethane	3.27	101	645173	58.708	ug/l	98
8) Diethyl Ether	3.71	74	138842	45.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	322187	51.294	ug/l	98
10) Methyl Iodide	4.29	142	359402	50.120	ug/l	99
11) Tert butyl alcohol	5.25	59	91479	223.503	ug/l	95
12) 1,1-Dichloroethene	4.06	96	313098	52.296	ug/l	93
13) Acrolein	3.93	56	96426	278.483	ug/l	99
14) Allyl chloride	4.71	41	526215	49.710	ug/l	98
15) Acrylonitrile	5.43	53	291795	226.515	ug/l	99
16) Acetone	4.17	43	382870	275.795	ug/l	95
17) Carbon Disulfide	4.40	76	958270	51.395	ug/l	99
18) Methyl Acetate	4.72	43	173614	44.776	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	667536	46.704	ug/l	95
20) Methylene Chloride	4.96	84	315777	45.031	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	347361	51.209	ug/l	95
22) Diisopropyl ether	6.37	45	953515	48.547	ug/l	97
23) Vinyl Acetate	6.31	43	2658105	242.785	ug/l	100
24) 1,1-Dichloroethane	6.26	63	588231	51.580	ug/l	98
25) 2-Butanone	7.22	43	413035	230.291	ug/l	99
26) 2,2-Dichloropropane	7.21	77	564281	50.455	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	365245	50.211	ug/l	98
28) Bromochloromethane	7.55	49	211629	53.302	ug/l	99
29) Tetrahydrofuran	7.57	42	236140	219.137	ug/l	99
30) Chloroform	7.71	83	600107	51.444	ug/l	99
31) Cyclohexane	7.98	56	559714	48.665	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	578258	51.770	ug/l	99
36) 1,1-Dichloropropene	8.11	75	471205	50.981	ug/l	100
37) Ethyl Acetate	7.30	43	170641	43.794	ug/l	98
38) Carbon Tetrachloride	8.09	117	521280	52.709	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	597745	51.110	ug/l	97
40) Benzene	8.35	78	1273534	50.416	ug/l	96
41) Methacrylonitrile	7.53	41	123199	50.305	ug/l	94
42) 1,2-Dichloroethane	8.43	62	367433	48.431	ug/l	100
43) Isopropyl Acetate	8.46	43	353796	44.068	ug/l	98
44) Trichloroethene	9.11	130	389137	51.327	ug/l	99
45) 1,2-Dichloropropane	9.39	63	305481	49.685	ug/l	99
46) Dibromomethane	9.48	93	156660	47.595	ug/l	99
47) Bromodichloromethane	9.66	83	438955	49.509	ug/l	97
48) Methyl methacrylate	9.46	41	168264	42.862	ug/l	98
49) 1,4-Dioxane	9.47	88	35712	903.387	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	842891	218.936	ug/l	99
52) Toluene	10.40	92	838039	50.453	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	423144	47.638	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	507944	49.005	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	215474	48.256	ug/l	93
56) Ethyl methacrylate	10.66	69	281178	45.015	ug/l	96
57) 1,3-Dichloropropane	10.95	76	368198	47.282	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	562875	222.463	ug/l	100
59) 2-Hexanone	10.99	43	628788	229.567	ug/l	99
60) Dibromochloromethane	11.14	129	298876	47.969	ug/l	100
61) 1,2-Dibromoethane	11.25	107	210973	47.173	ug/l	100
64) Tetrachloroethene	10.88	164	332119	50.980	ug/l	97
65) Chlorobenzene	11.67	112	869283	50.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	324883	49.603	ug/l	99
67) Ethyl Benzene	11.75	91	1614171	51.808	ug/l	98
68) m/p-Xylenes	11.86	106	1221666	102.295	ug/l	100
69) o-Xylene	12.18	106	560251	50.583	ug/l	100
70) Styrene	12.20	104	953585	49.322	ug/l	98
71) Bromoform	12.36	173	176817	47.437	ug/l	98
73) Isopropylbenzene	12.48	105	1550711	51.662	ug/l	100
74) N-amyl acetate	12.29	43	322457	45.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	219741	48.584	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	296039	89.874	ug/l #	100
77) Bromobenzene	12.77	156	356551	48.894	ug/l	100
78) n-propylbenzene	12.83	91	1775951	51.786	ug/l	99
79) 2-Chlorotoluene	12.91	91	972589	50.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1270415	51.508	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	76343	46.038	ug/l	98
82) 4-Chlorotoluene	13.01	91	1015606	50.291	ug/l	100
83) tert-Butylbenzene	13.23	119	1122921	51.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1244730	51.118	ug/l	99
85) sec-Butylbenzene	13.41	105	1513708	51.821	ug/l	100
86) p-Isopropyltoluene	13.52	119	1416360	51.003	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	683062	50.461	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	668951	50.634	ug/l	100
89) n-Butylbenzene	13.85	91	1293344	51.550	ug/l	99
90) Hexachloroethane	14.11	117	265979	51.825	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	572081	49.931	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34857	43.104	ug/l	98

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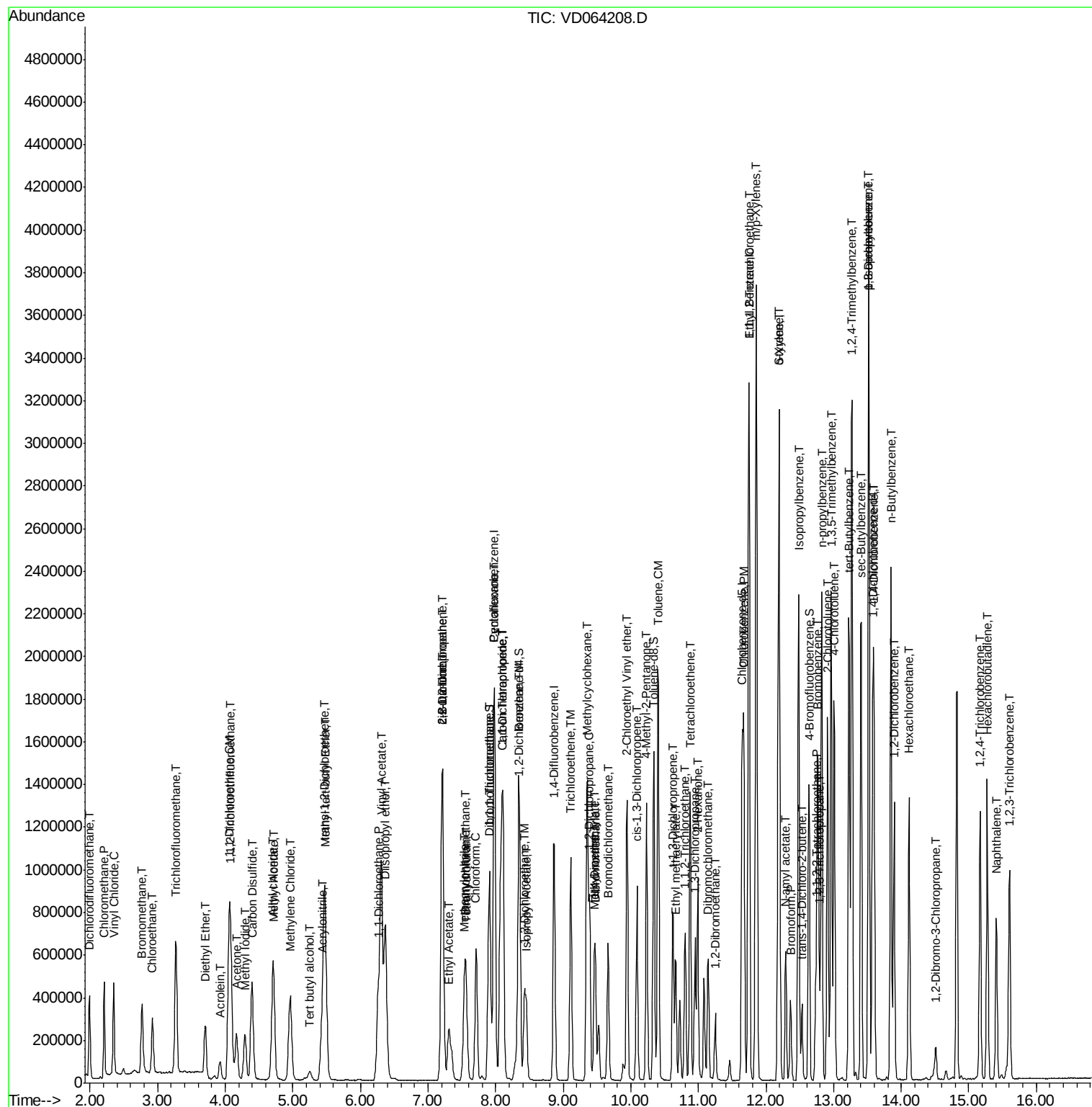
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	433997	49.103	ug/l	99
94) Hexachlorobutadiene	15.27	225	289593	50.728	ug/l	98
95) Naphthalene	15.41	128	677201	46.741	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	361866	48.166	ug/l	99

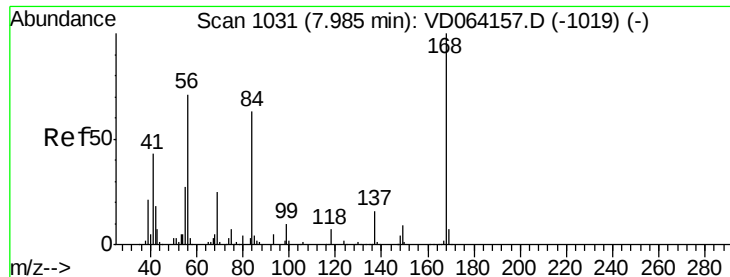
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

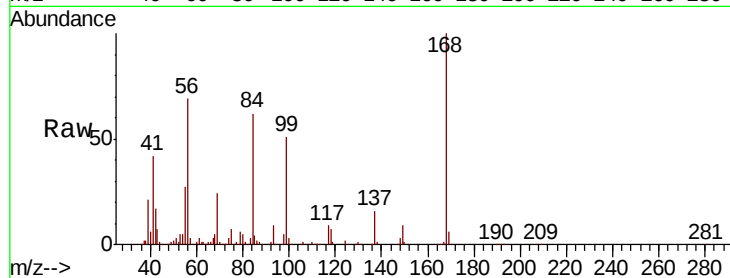
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 712515

Ion Ratio Lower Upper

168 100

99 50.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

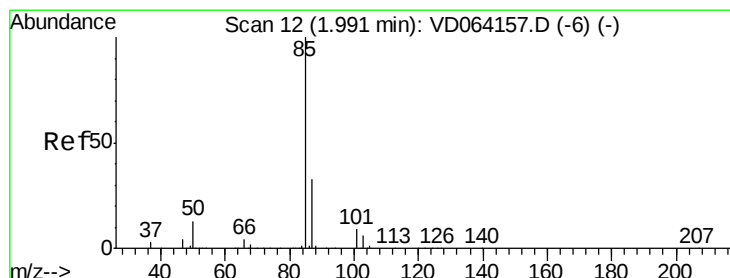
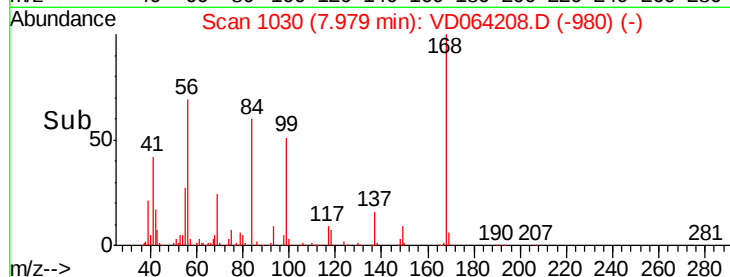
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.281 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064208.D

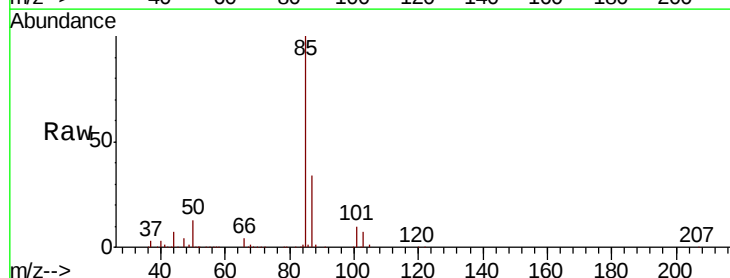
Acq: 14 Nov 2019 11:26

Tgt Ion: 85 Resp: 297132

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250000

200000

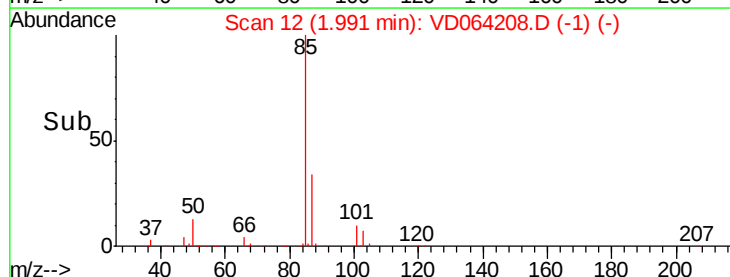
150000

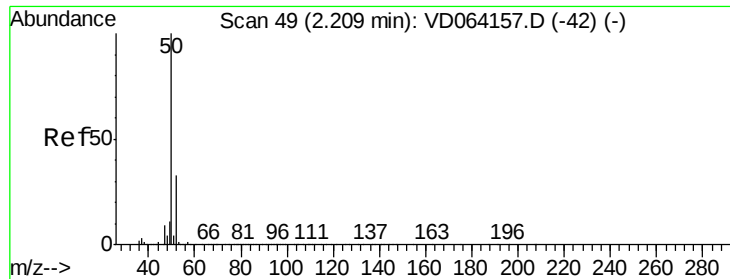
100000

50000

0

Time-->





#3

Chloromethane

Concen: 53.301 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

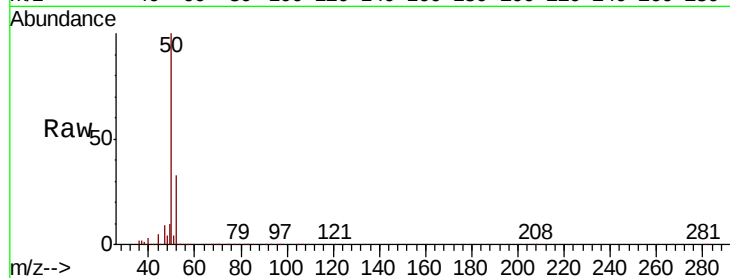
ClientSampleId :

Tot Ion: 50 Resp: 337851

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

250000

200000

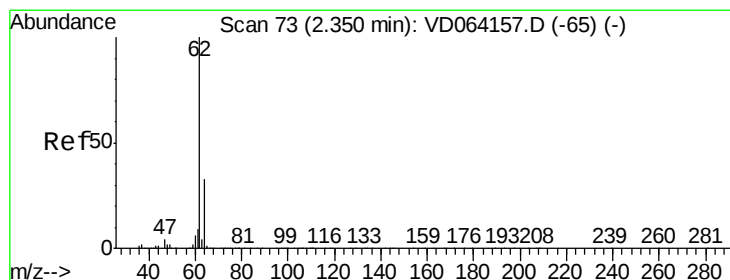
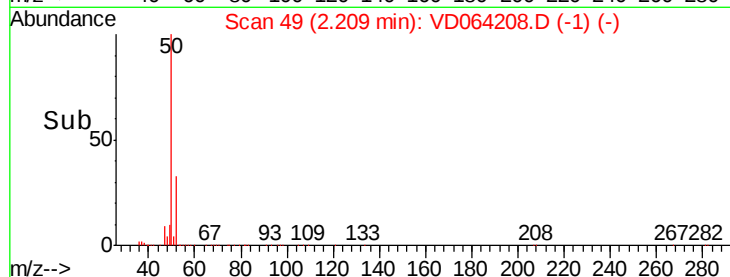
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 58.270 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064208.D

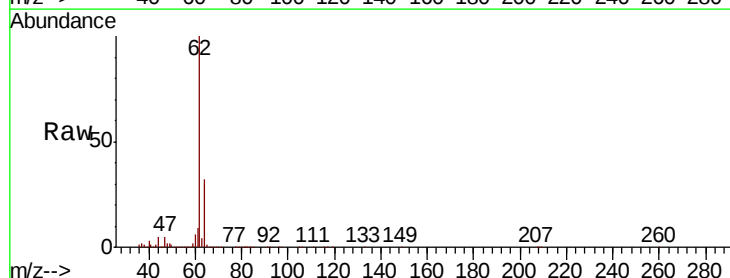
Acq: 14 Nov 2019 11:26

Tgt Ion: 62 Resp: 394969

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

250000

200000

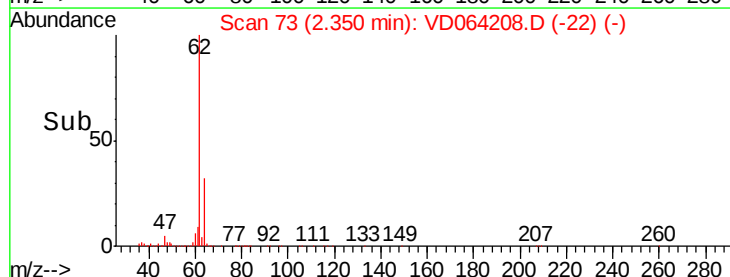
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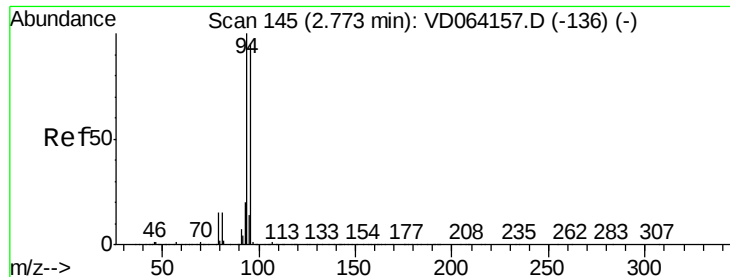
100000

50000

0

Time-->





#5

Bromomethane

Concen: 60.085 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

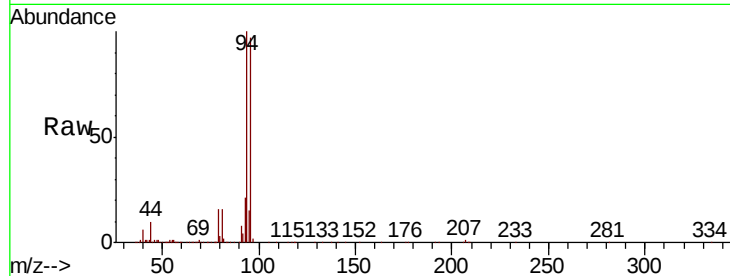
ClientSampleId :

Tot Ion: 94 Resp: 257173

Ion Ratio Lower Upper

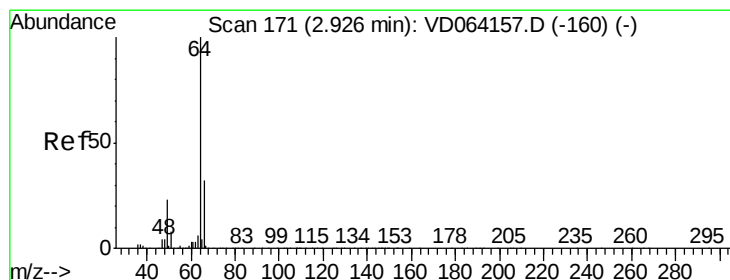
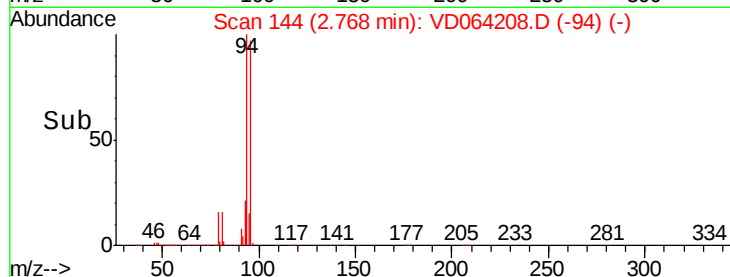
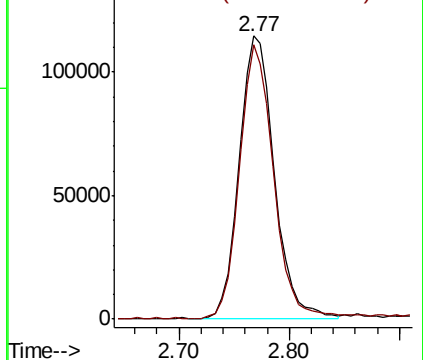
94 100

96 96.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.167 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064208.D

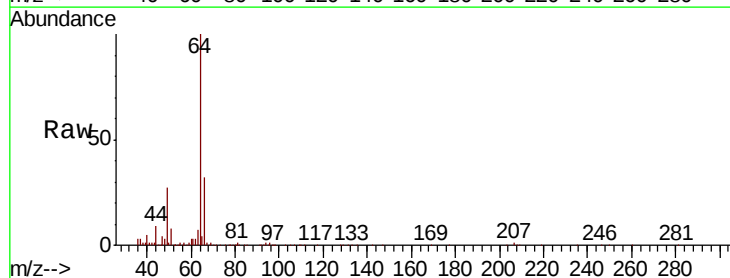
Acq: 14 Nov 2019 11:26

Tgt Ion: 64 Resp: 251934

Ion Ratio Lower Upper

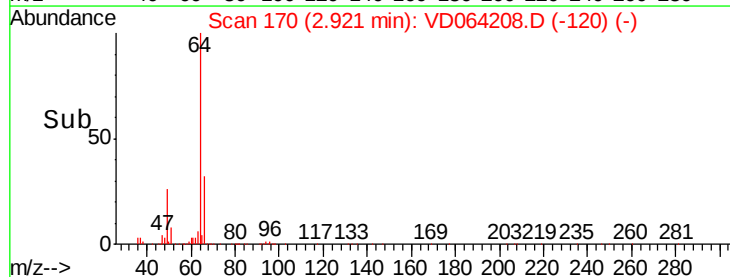
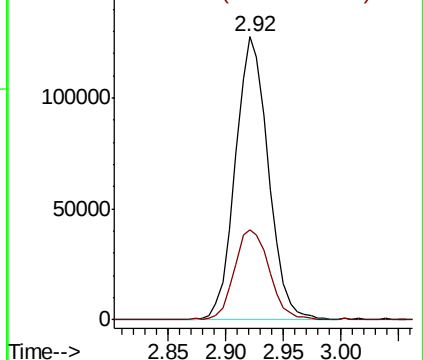
64 100

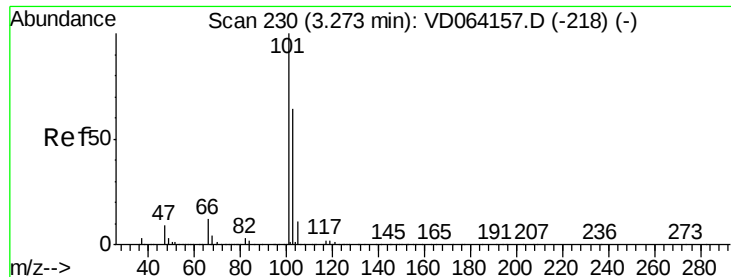
66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



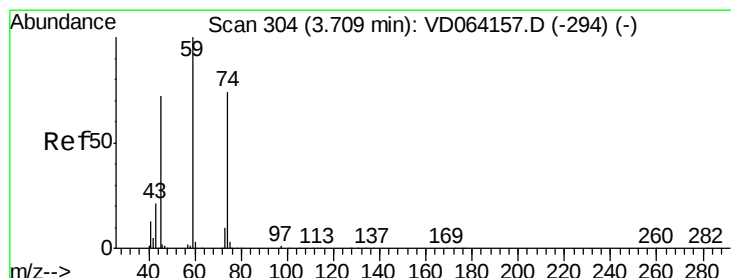
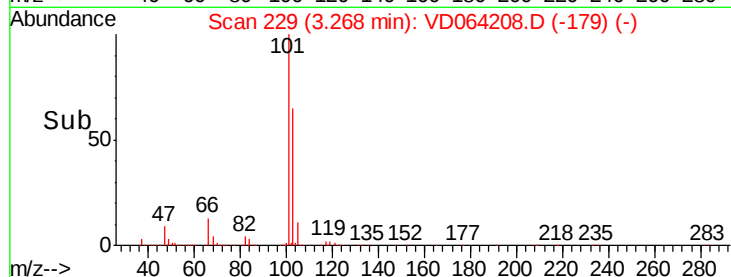
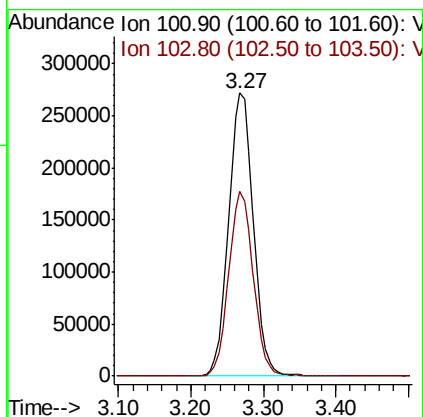
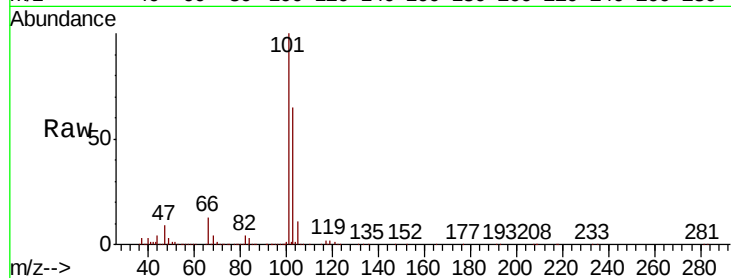


#7

Trichlorofluoromethane
Concen: 58.708 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :

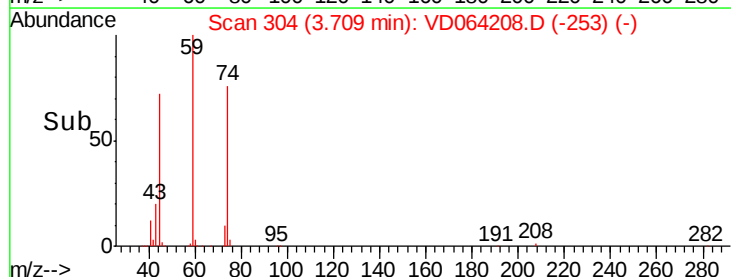
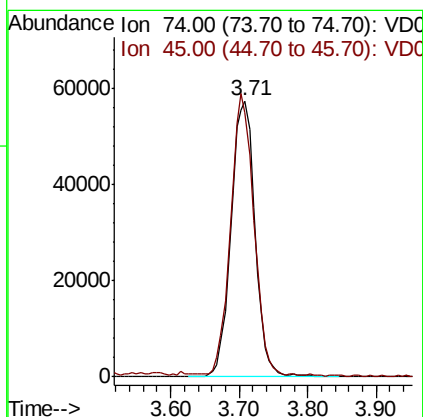
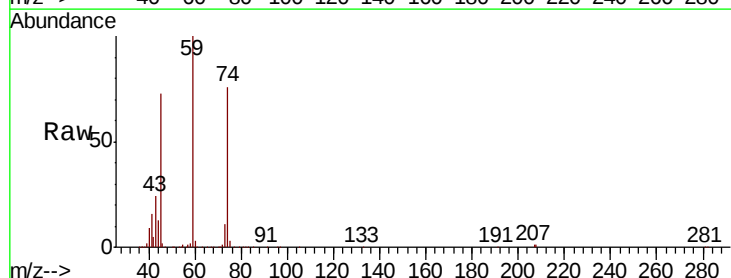
Tot Ion:101 Resp: 645173
Ion Ratio Lower Upper
101 100
103 65.3 50.8 76.2

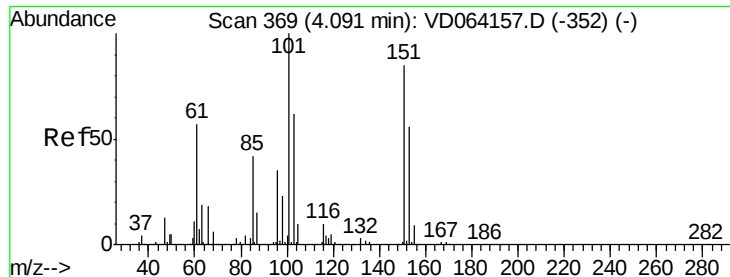


#8

Diethyl Ether
Concen: 45.948 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 74 Resp: 138842
Ion Ratio Lower Upper
74 100
45 98.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.294 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

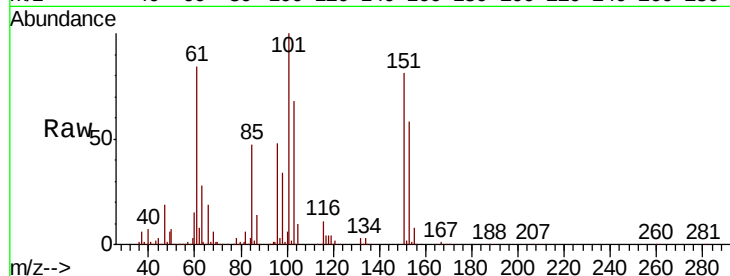
Tot Ion:101 Resp: 322187

Ion Ratio Lower Upper

101 100

85 45.2 34.4 51.6

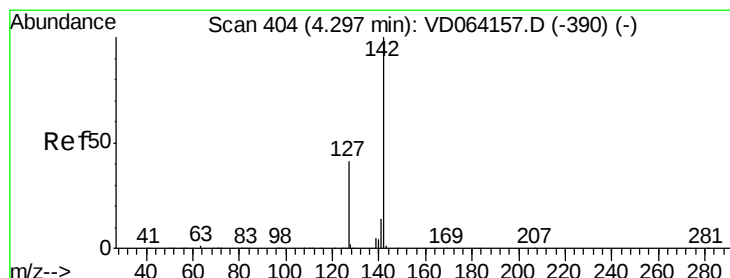
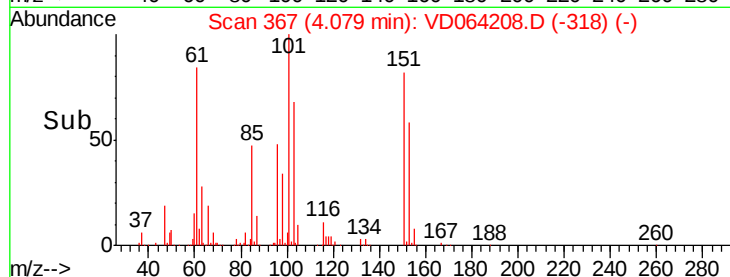
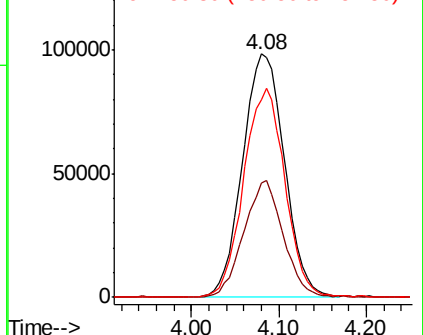
151 84.3 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.120 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

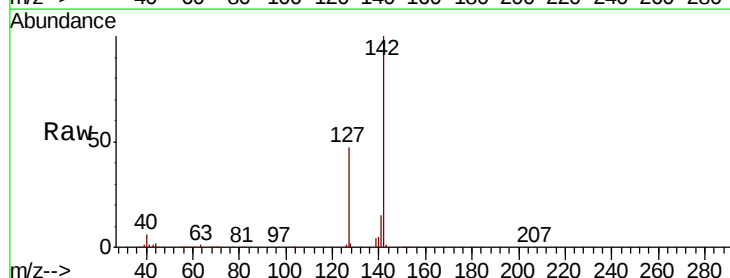
Tgt Ion:142 Resp: 359402

Ion Ratio Lower Upper

142 100

127 44.0 34.4 51.6

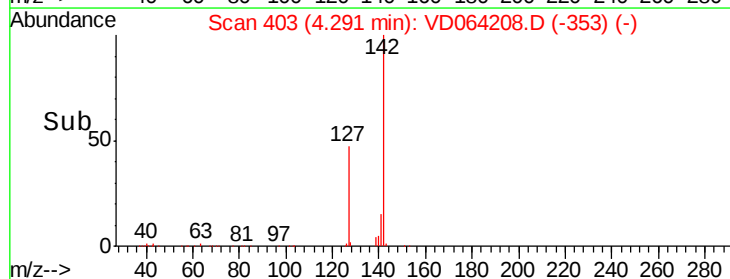
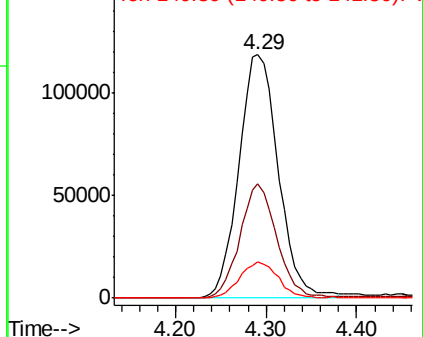
141 14.5 11.2 16.8

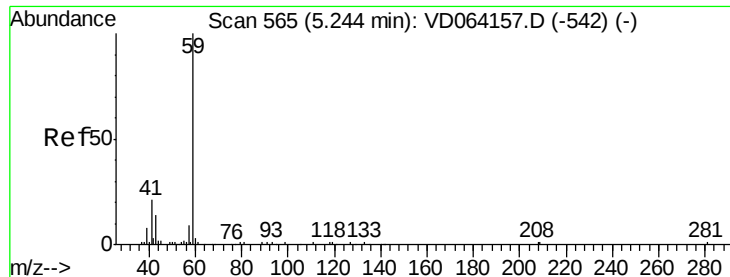


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



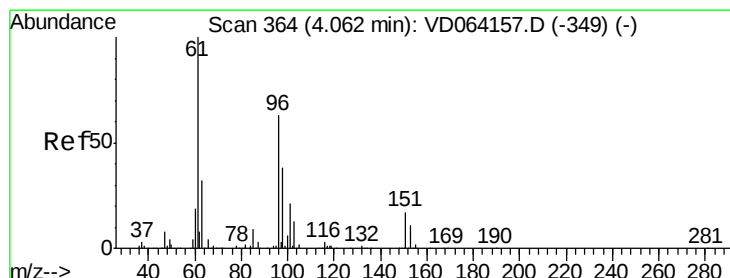
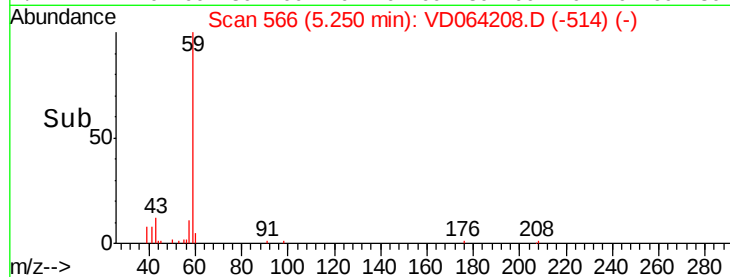
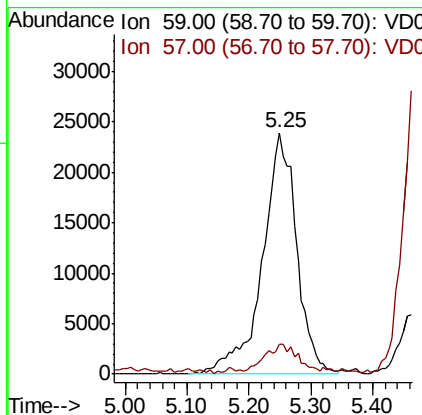
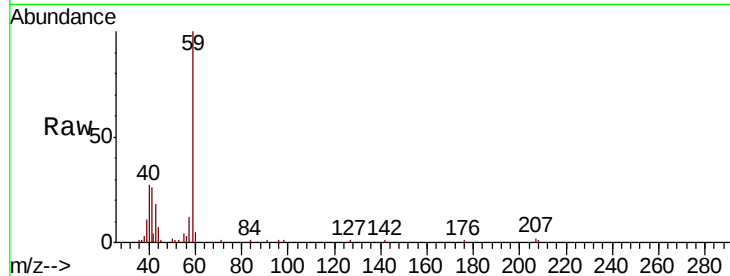


#11

Tert butyl alcohol
Concen: 223.503 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :

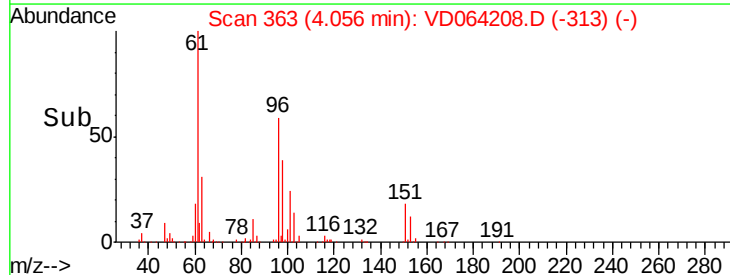
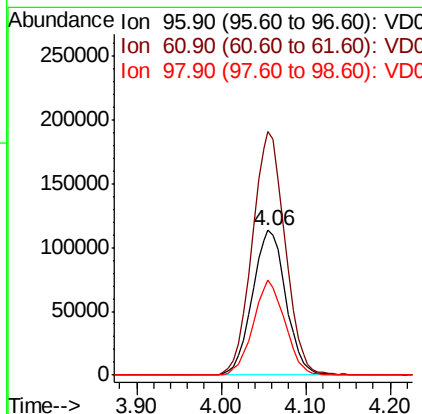
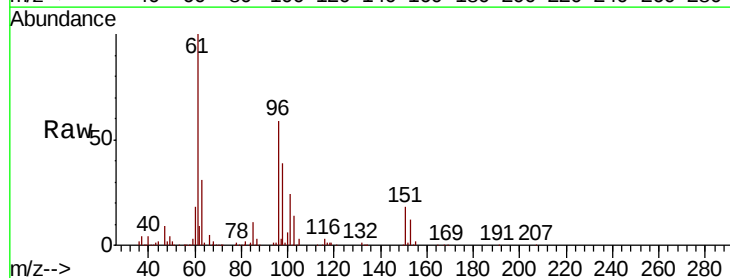
Tot Ion: 59 Resp: 91479
Ion Ratio Lower Upper
59 100
57 10.0 9.4 14.2

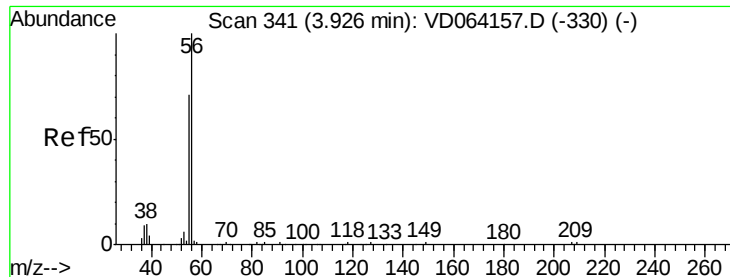


#12

1,1-Dichloroethene
Concen: 52.296 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 96 Resp: 313098
Ion Ratio Lower Upper
96 100
61 168.4 127.4 191.2
98 65.8 48.1 72.1





#13

Acrolein

Concen: 278.483 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

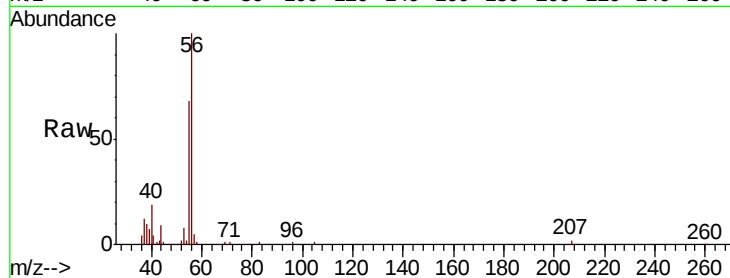
ClientSampleId :

Tot Ion: 56 Resp: 96426

Ion Ratio Lower Upper

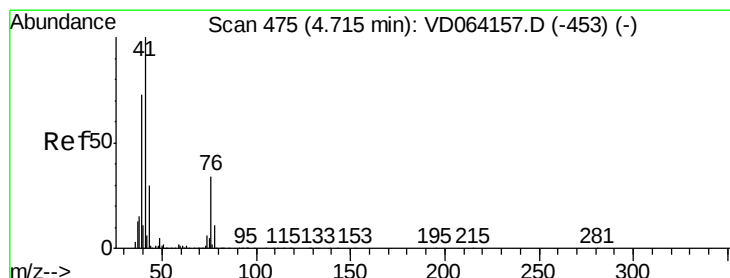
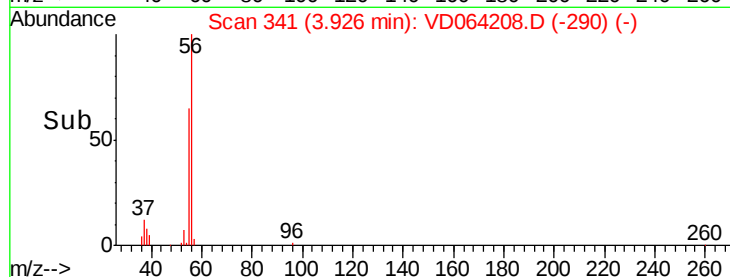
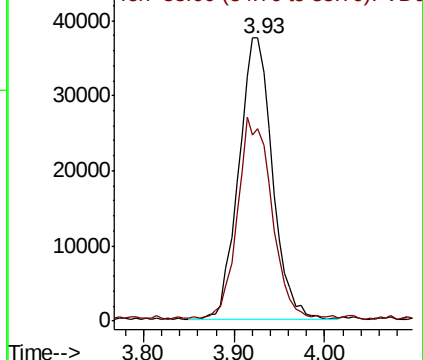
56 100

55 70.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.710 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

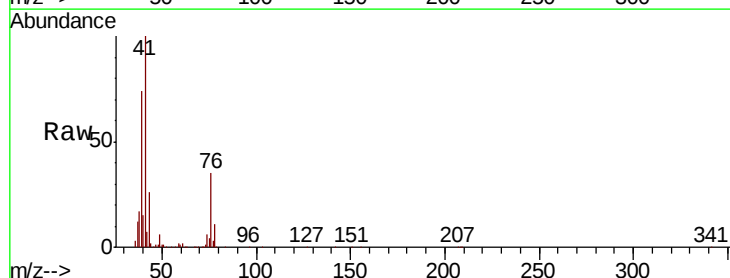
Tgt Ion: 41 Resp: 526215

Ion Ratio Lower Upper

41 100

39 74.2 57.5 86.3

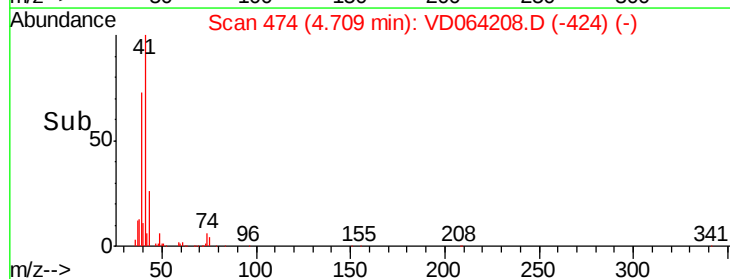
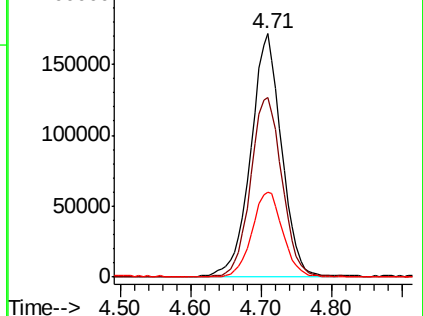
76 34.3 26.8 40.2

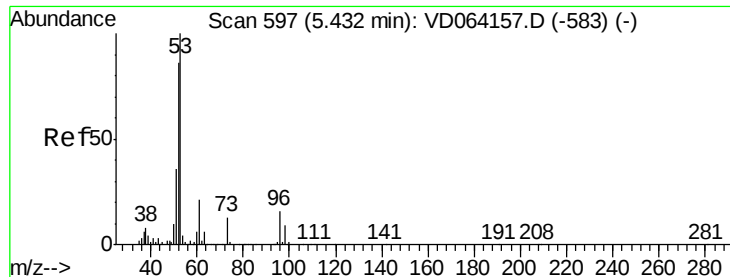


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 226.515 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampled :

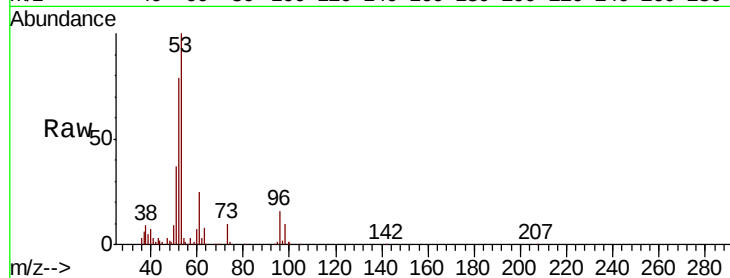
Tot Ion: 53 Resp: 291795

Ion Ratio Lower Upper

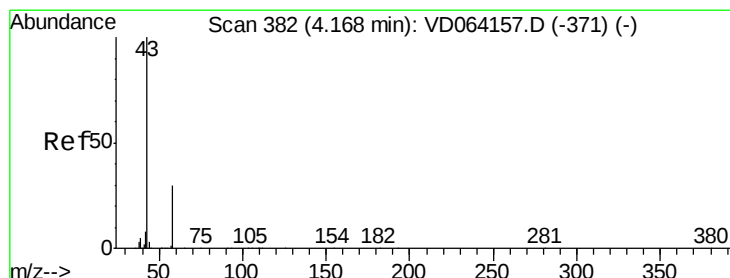
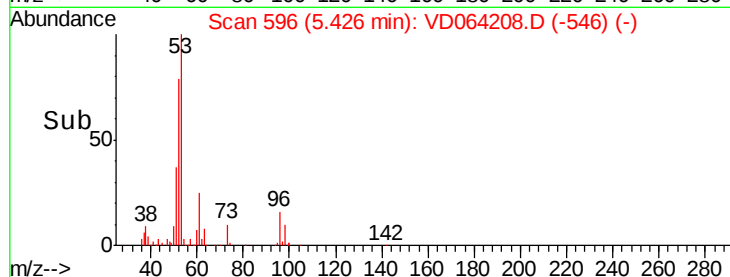
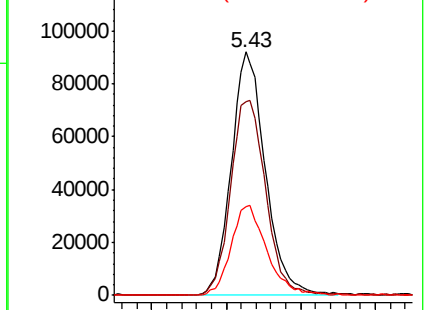
53 100

52 82.4 66.7 100.1

51 38.8 30.6 46.0



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



#16

Acetone

Concen: 275.795 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064208.D

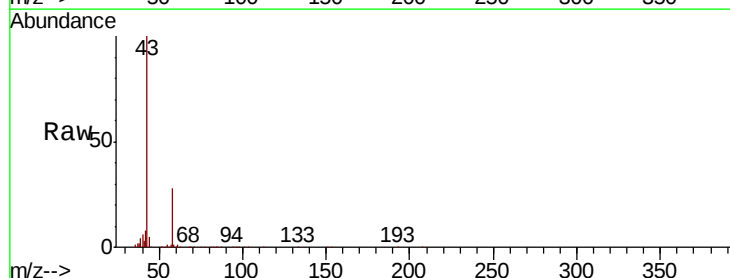
Acq: 14 Nov 2019 11:26

Tgt Ion: 43 Resp: 382870

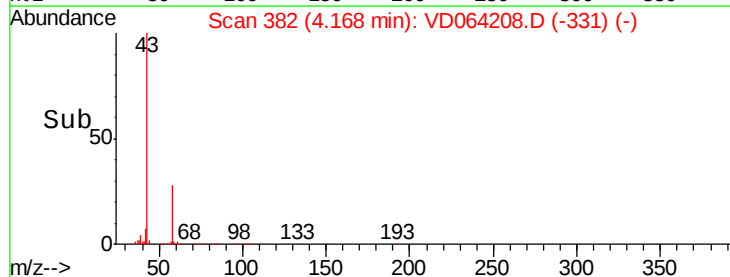
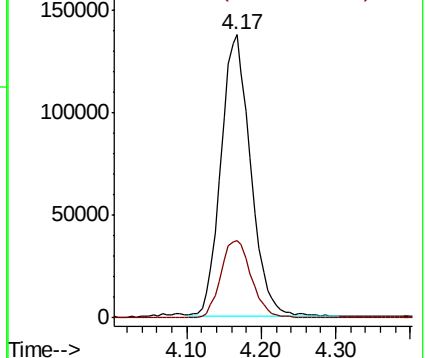
Ion Ratio Lower Upper

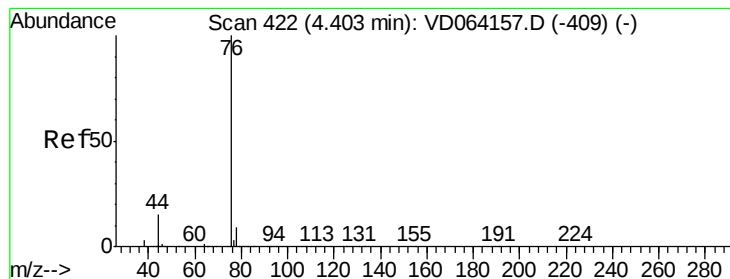
43 100

58 27.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 51.395 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

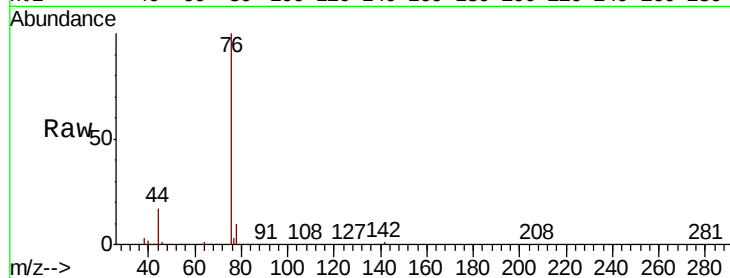
ClientSampleId :

Tot Ion: 76 Resp: 958270

Ion Ratio Lower Upper

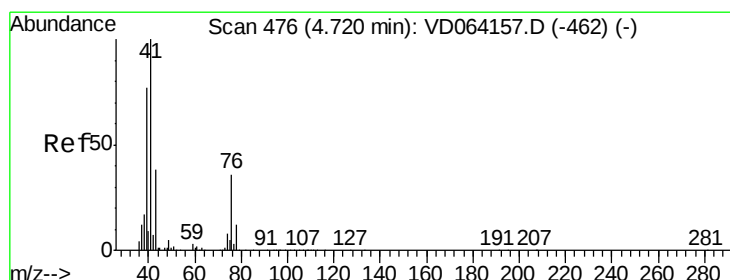
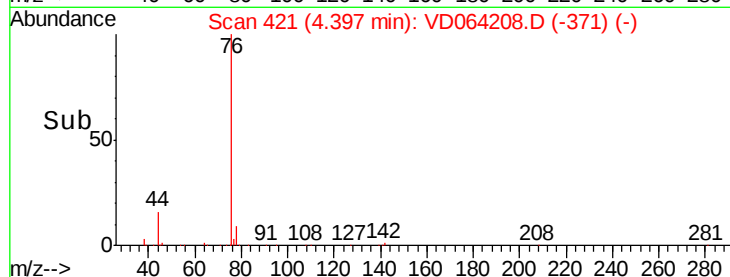
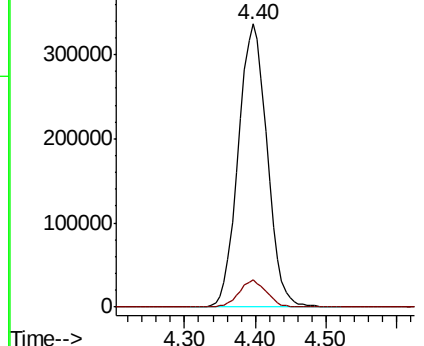
76 100

78 9.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 44.776 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD064208.D

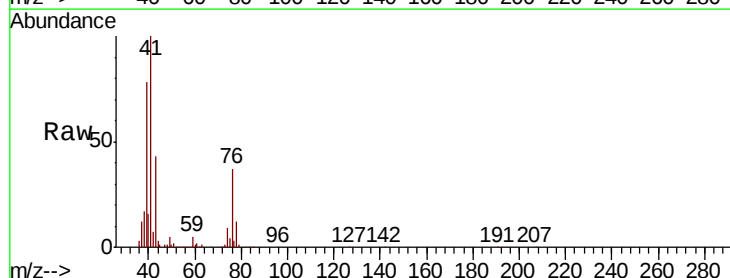
Acq: 14 Nov 2019 11:26

Tgt Ion: 43 Resp: 173614

Ion Ratio Lower Upper

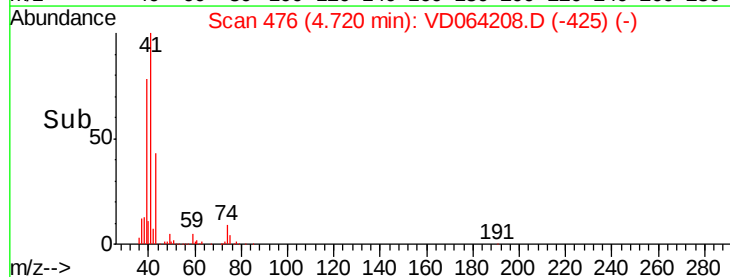
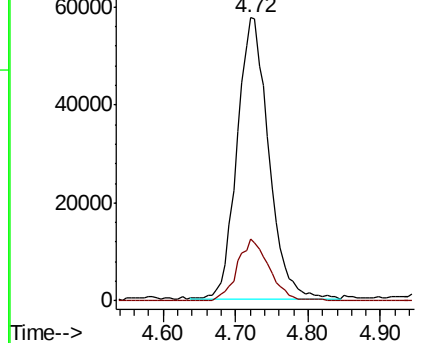
43 100

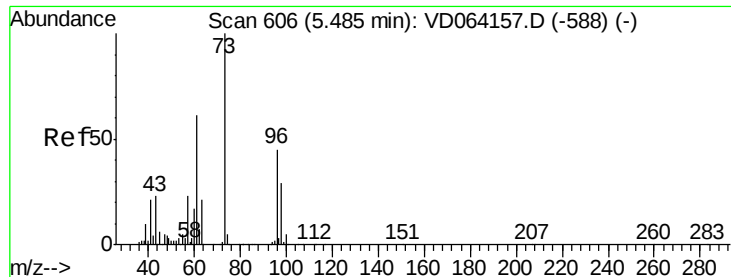
74 22.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

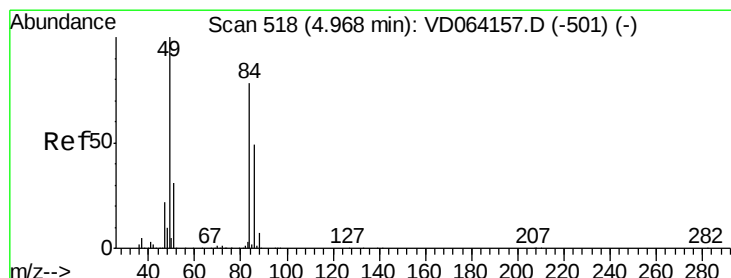
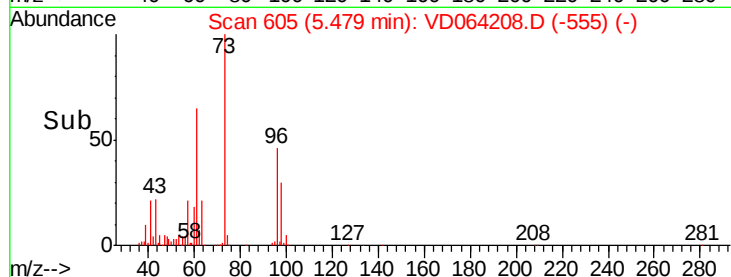
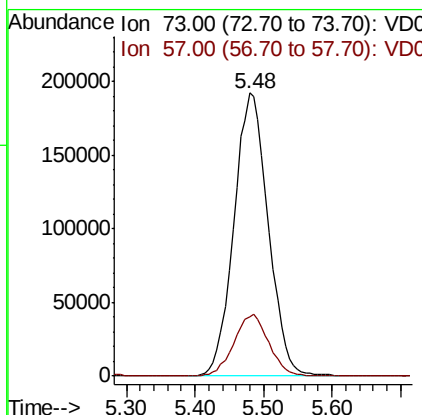
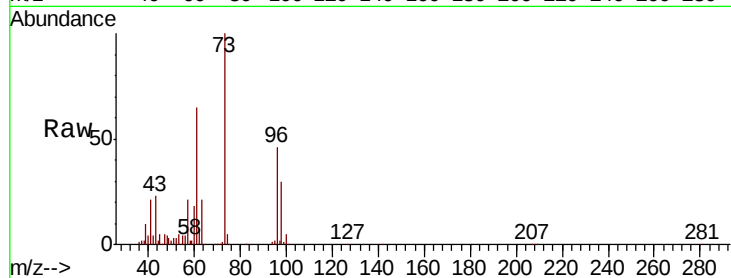




#19
Methyl tert-butyl Ether
Concen: 46.704 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

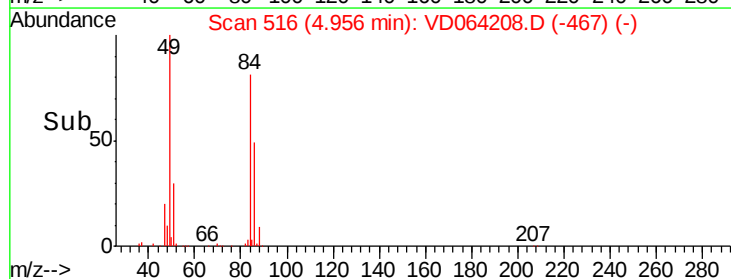
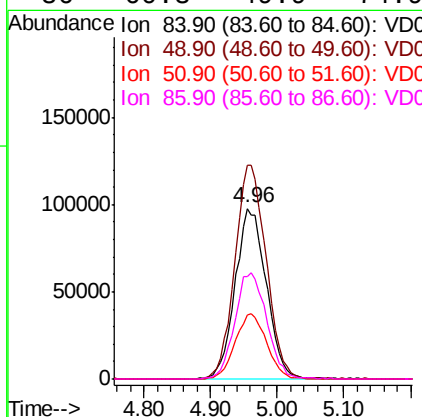
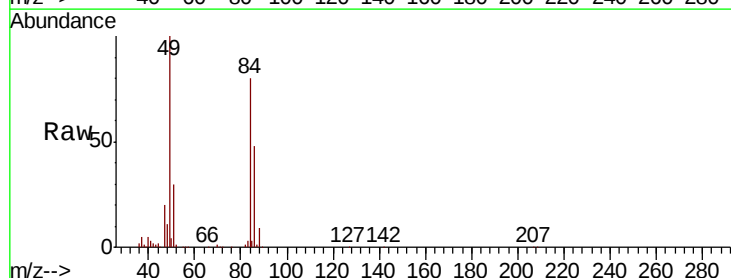
Instrument :
MSVOA_D
ClientSampled :

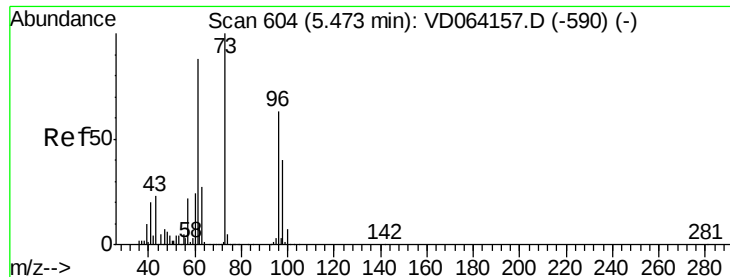
Tot Ion: 73 Resp: 667536
Ion Ratio Lower Upper
73 100
57 20.6 18.4 27.6



#20
Methylene Chloride
Concen: 45.031 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 84 Resp: 315777
Ion Ratio Lower Upper
84 100
49 125.2 102.1 153.1
51 37.7 32.2 48.2
86 60.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 51.209 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :

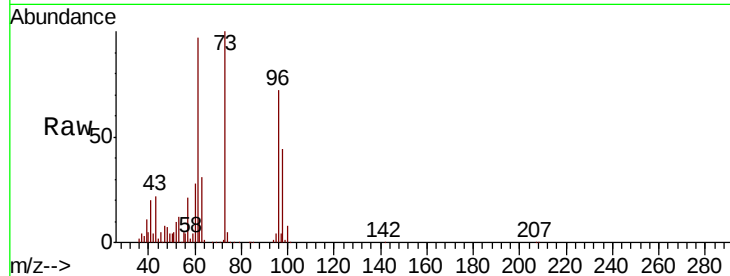
Tot Ion: 96 Resp: 347361

Ion Ratio Lower Upper

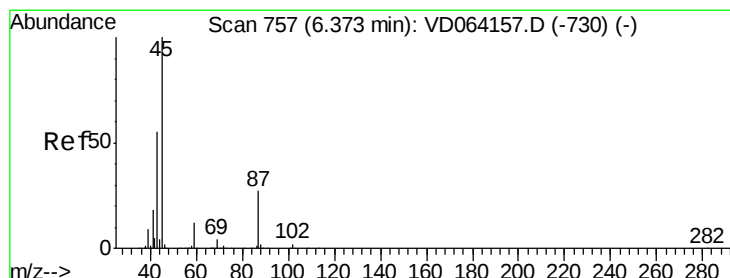
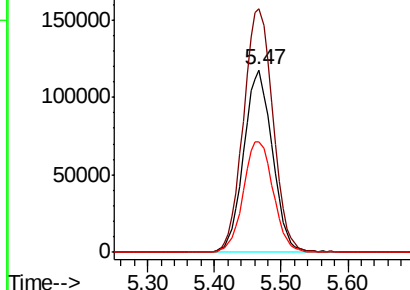
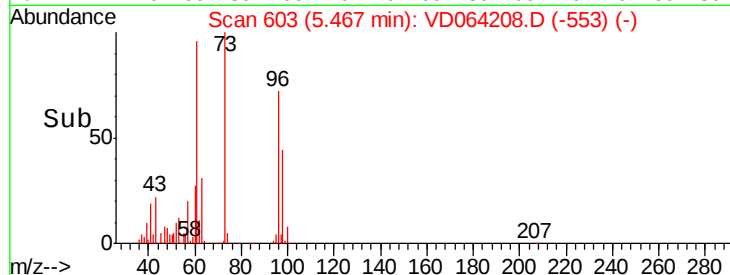
96 100

61 133.3 111.8 167.6

98 60.2 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 48.547 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion: 45 Resp: 953515

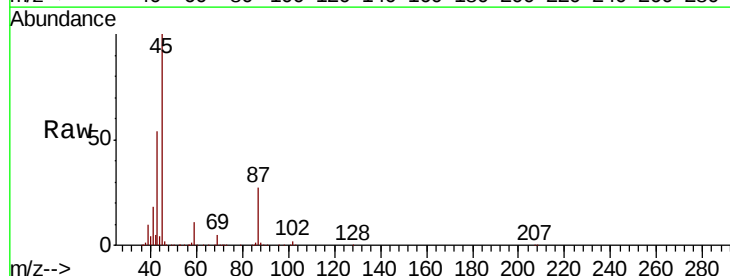
Ion Ratio Lower Upper

45 100

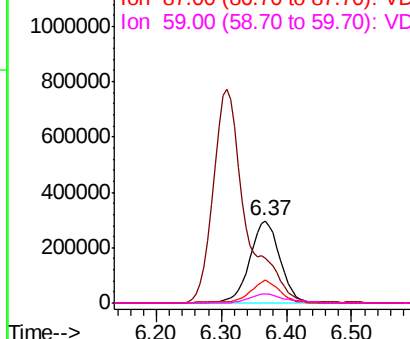
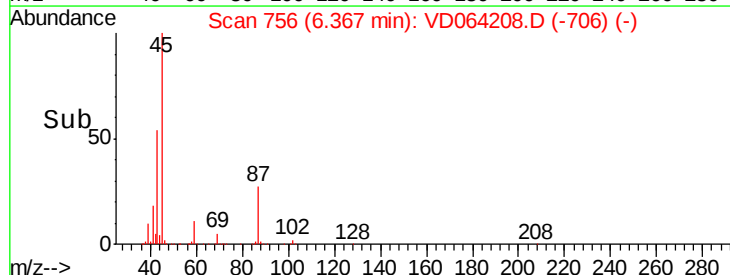
43 53.0 44.4 66.6

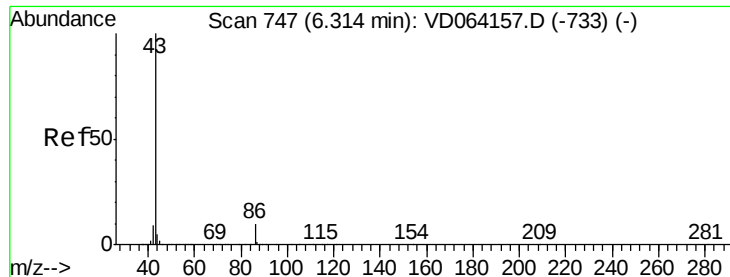
87 27.1 21.9 32.9

59 10.8 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 242.785 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

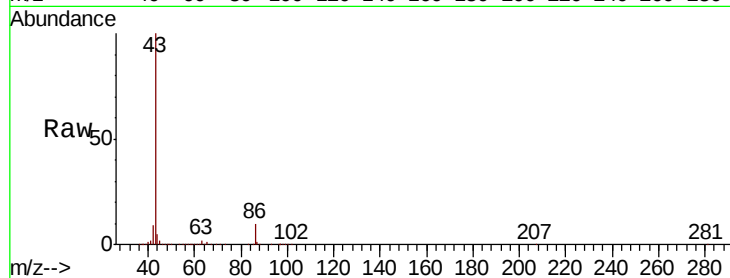
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2658105

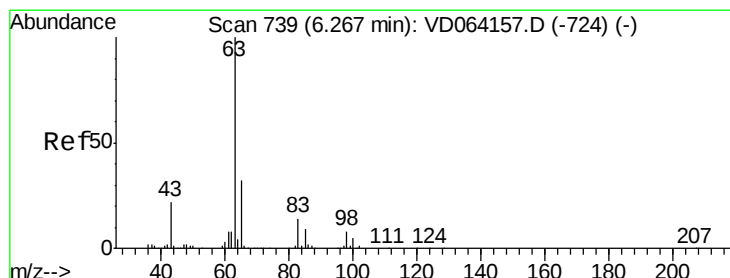
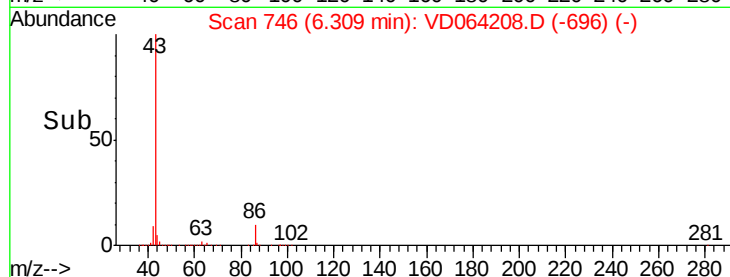
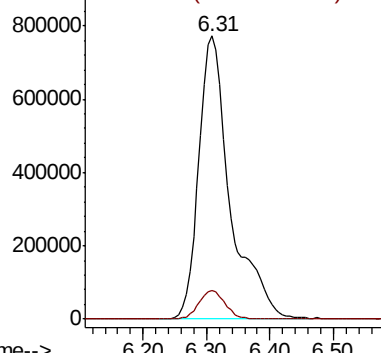
Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.580 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

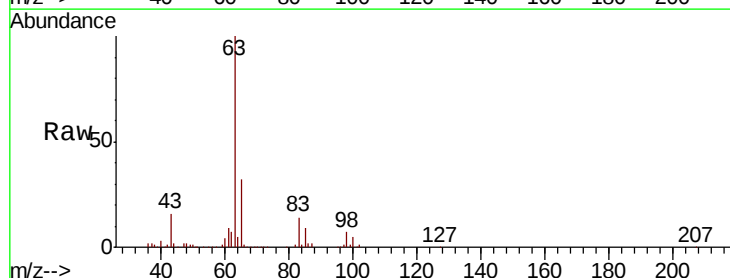
Tgt Ion: 63 Resp: 588231

Ion Ratio Lower Upper

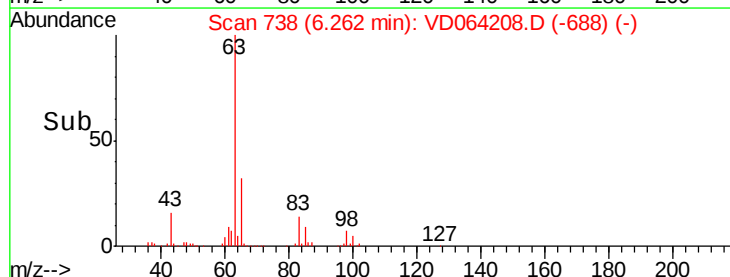
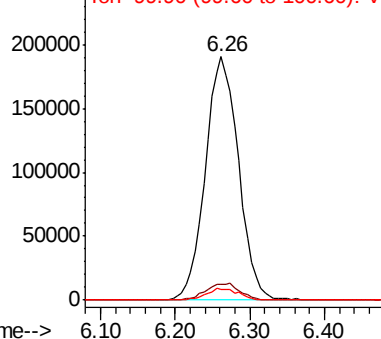
63 100

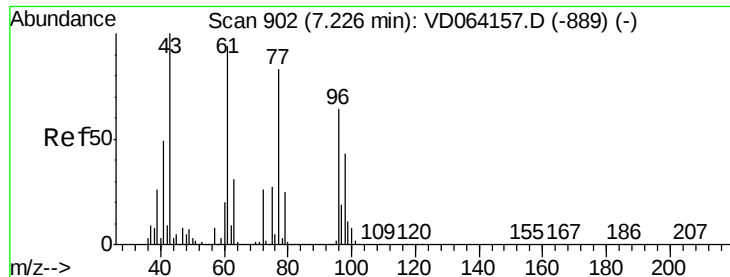
98 6.7 3.8 11.4

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 230.291 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

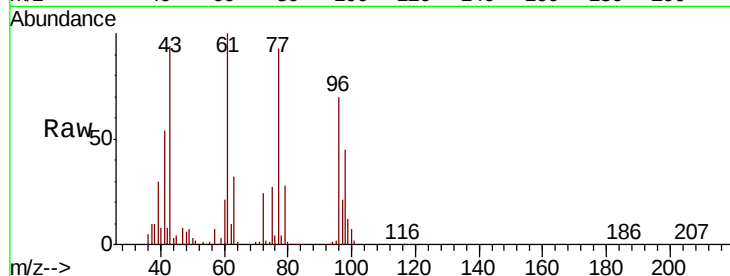
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 413035

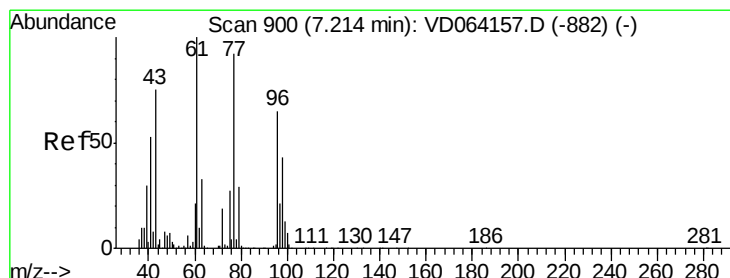
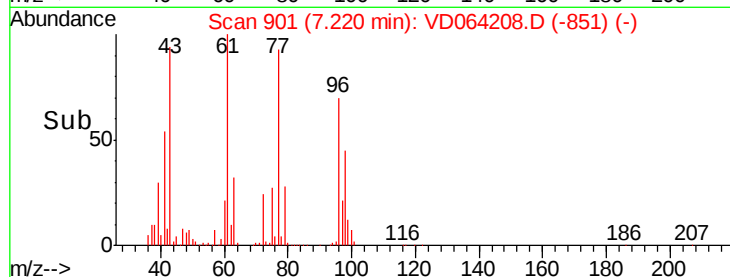
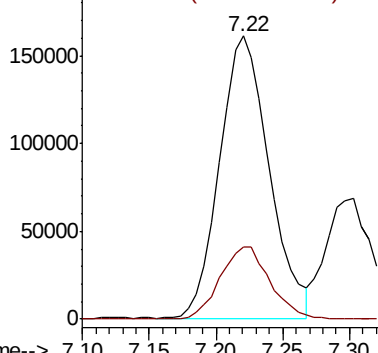
Ion Ratio Lower Upper

43 100

72 25.4 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.455 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064208.D

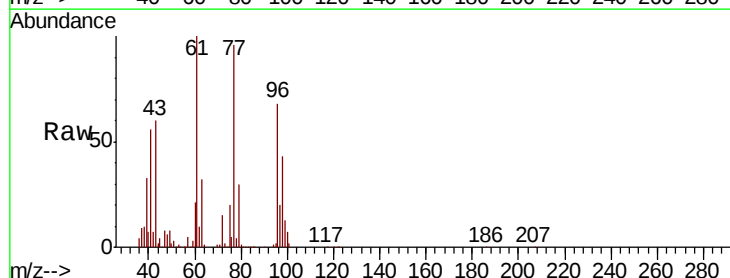
Acq: 14 Nov 2019 11:26

Tgt Ion: 77 Resp: 564281

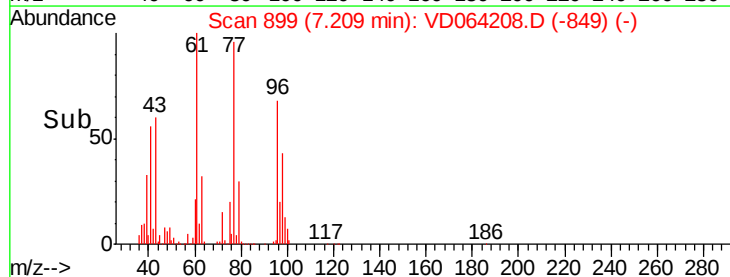
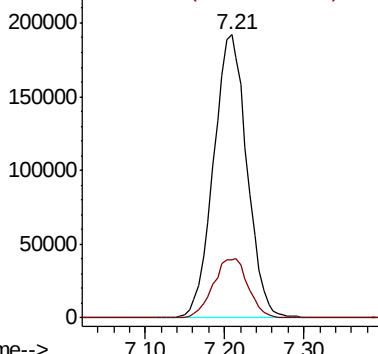
Ion Ratio Lower Upper

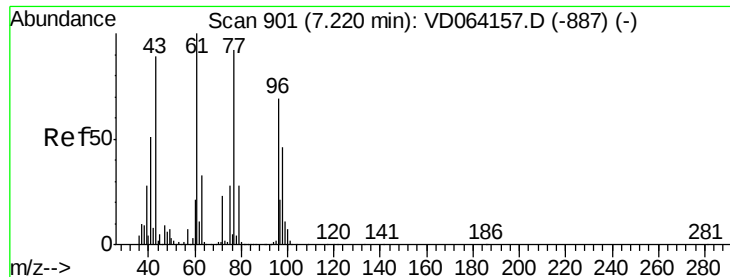
77 100

97 22.0 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



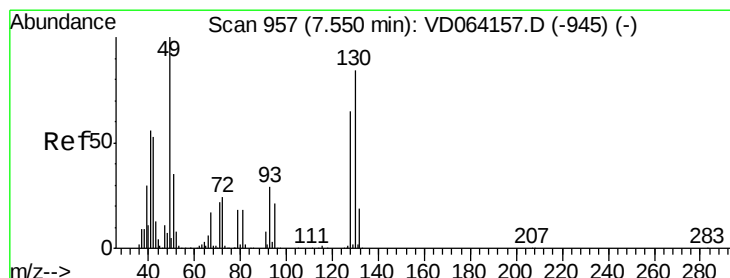
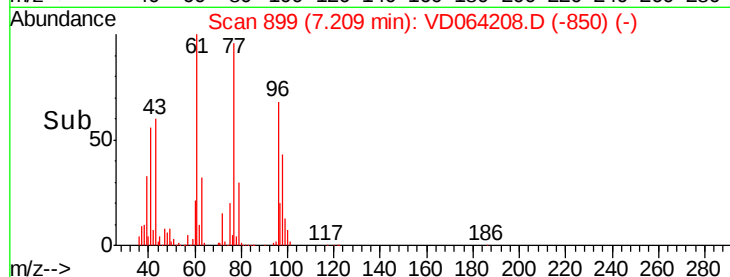
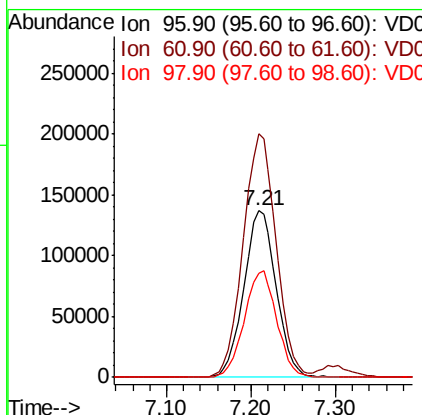
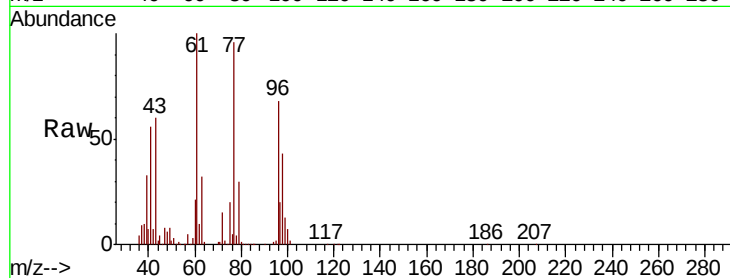


#27

cis-1,2-Dichloroethene
Concen: 50.211 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampled :

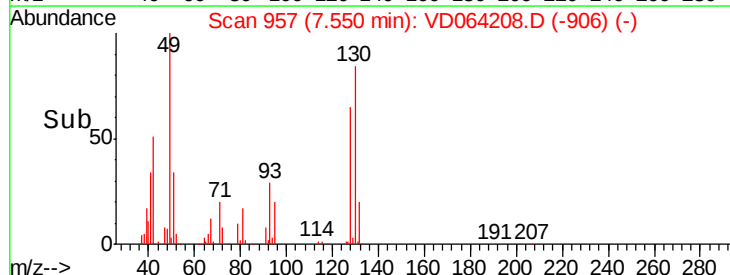
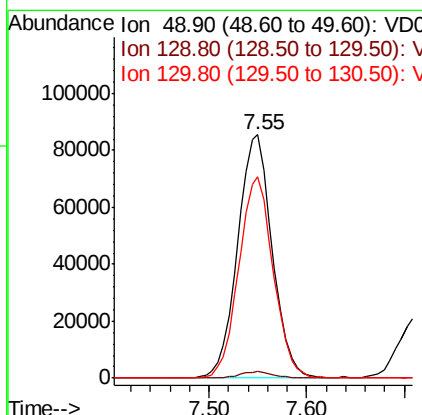
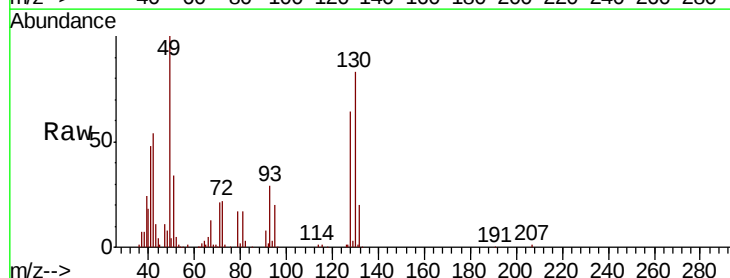
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	301.4
98	64.0	0.0	133.2

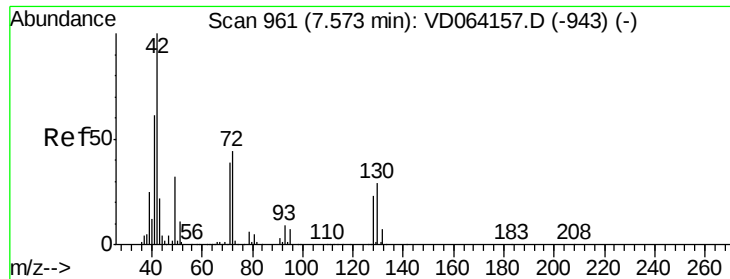


#28

Bromochloromethane
Concen: 53.302 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	82.4	66.8	100.2

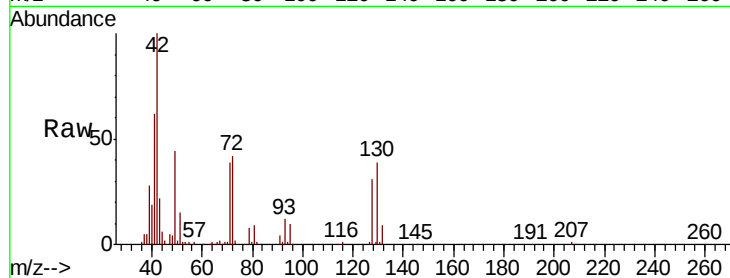




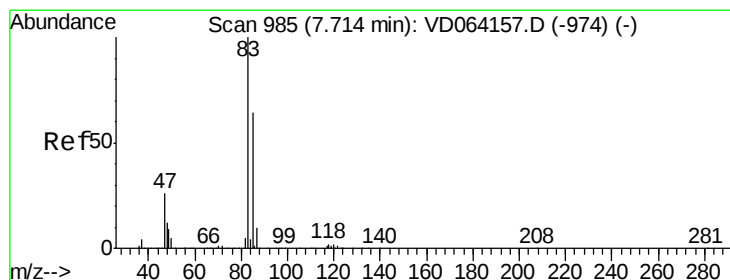
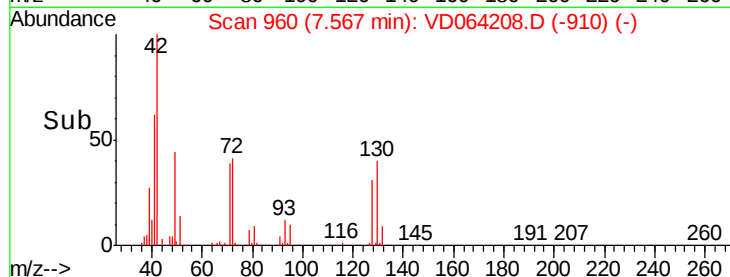
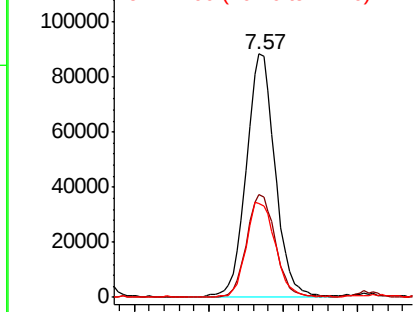
#29
Tetrahydrofuran
Concen: 219.137 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 236140
Ion Ratio Lower Upper
42 100
72 42.2 33.4 50.2
71 39.7 31.0 46.4

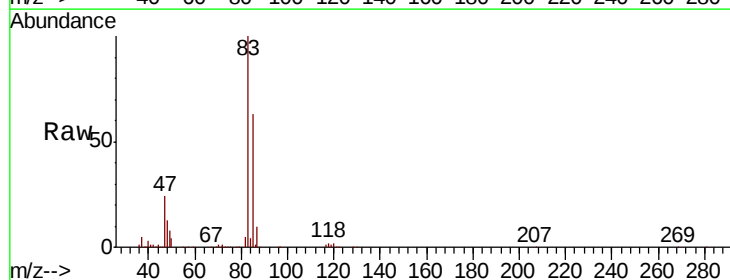


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

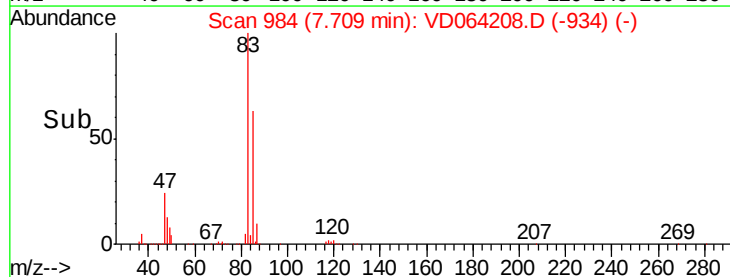
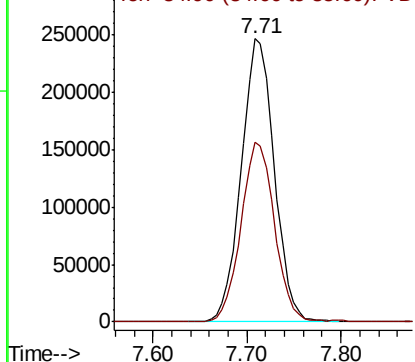


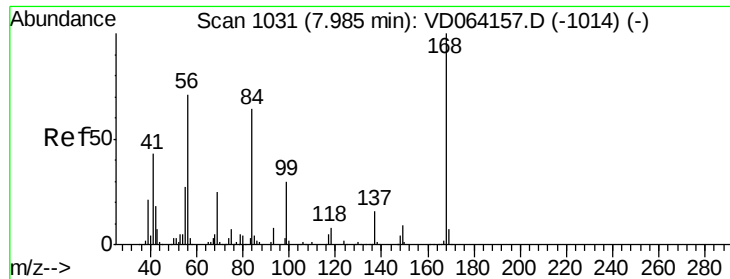
#30
Chloroform
Concen: 51.444 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 83 Resp: 600107
Ion Ratio Lower Upper
83 100
85 63.2 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

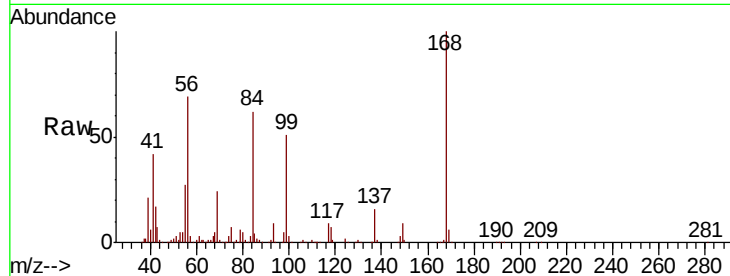




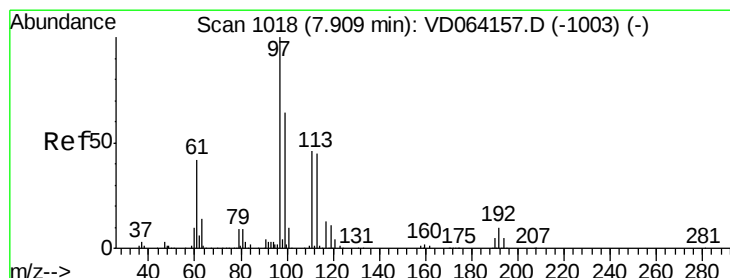
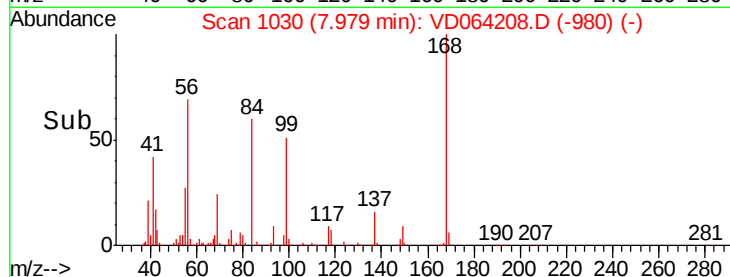
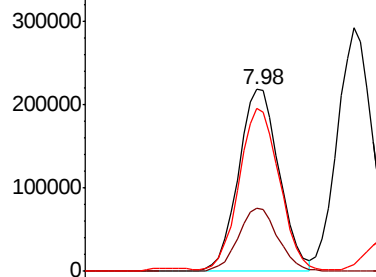
#31
Cyclohexane
Concen: 48.665 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 559714
Ion Ratio Lower Upper
56 100
69 34.8 28.2 42.4
84 87.9 71.8 107.6

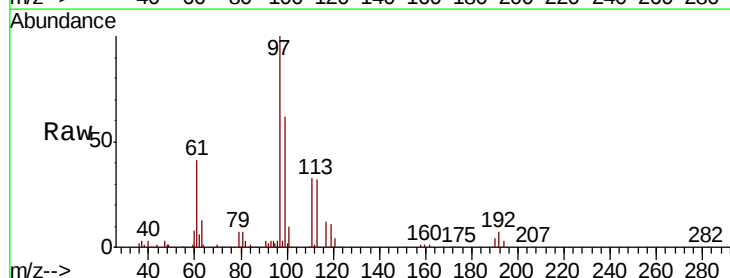


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

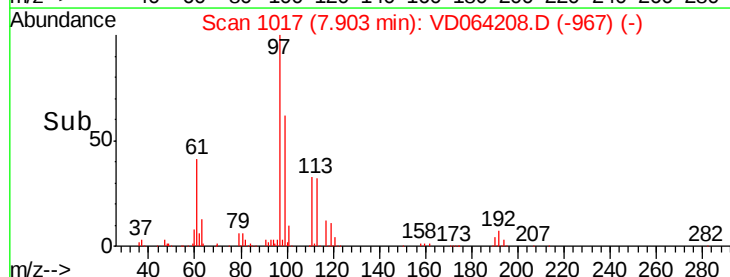
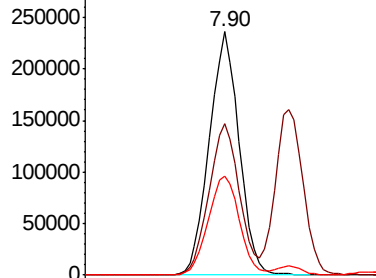


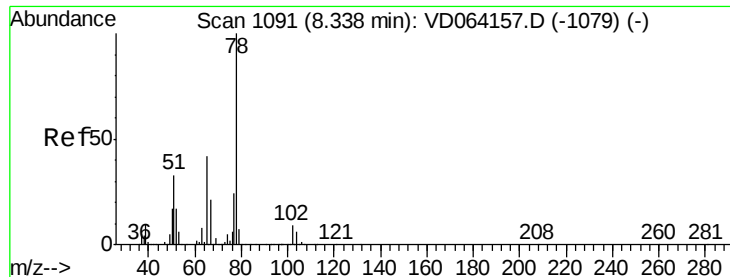
#32
1,1,1-Trichloroethane
Concen: 51.770 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 97 Resp: 578258
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 42.9 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

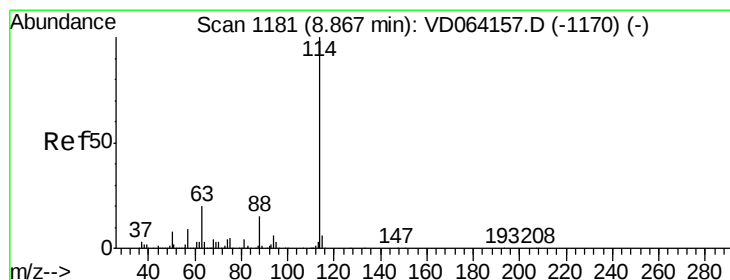
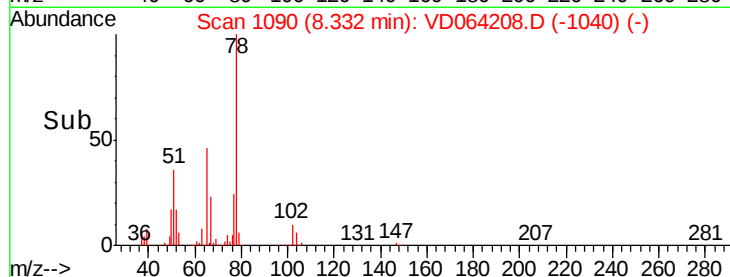
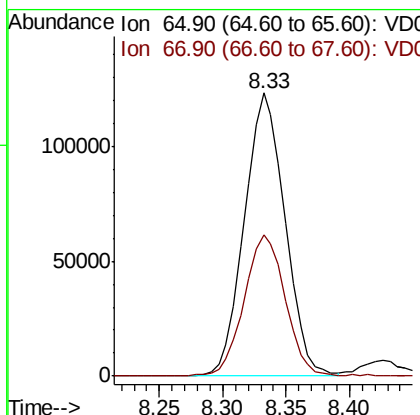
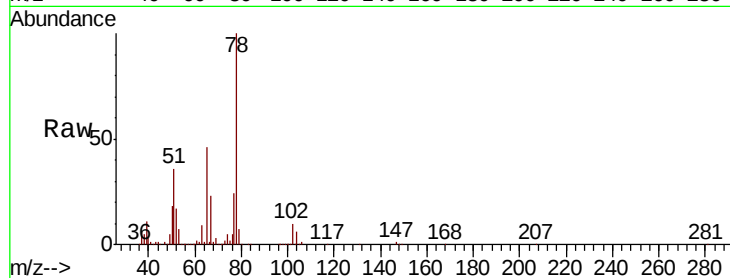




#33
 1,2-Dichloroethane-d4
 Concen: 46.831 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

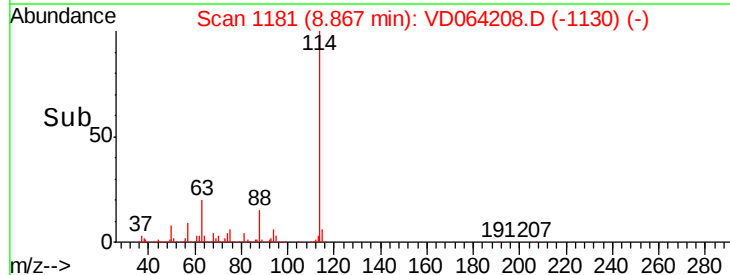
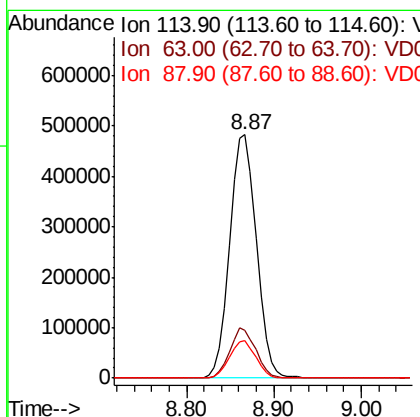
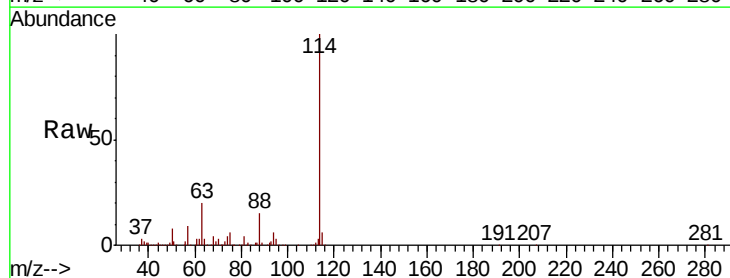
Instrument :
 MSVOA_D
 ClientSampled :

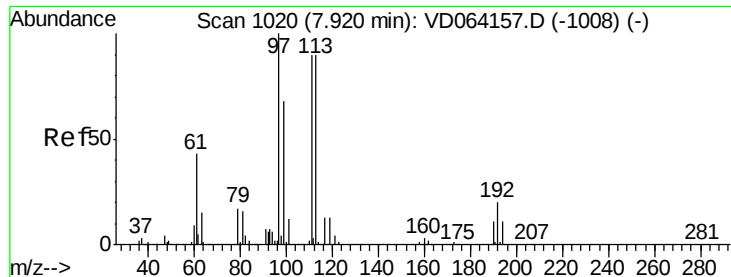
Tot Ion: 65 Resp: 274433
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion: 114 Resp: 1001465
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.3 0.0 30.2

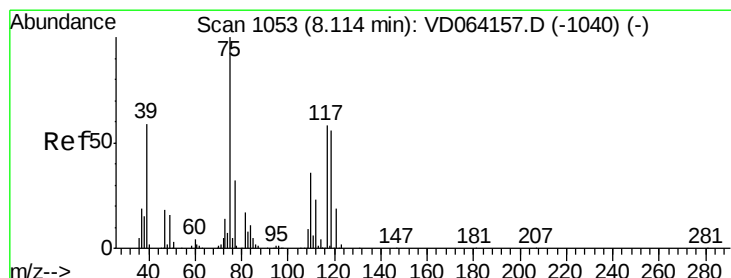
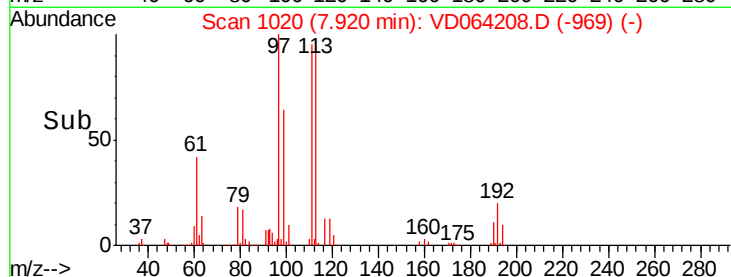
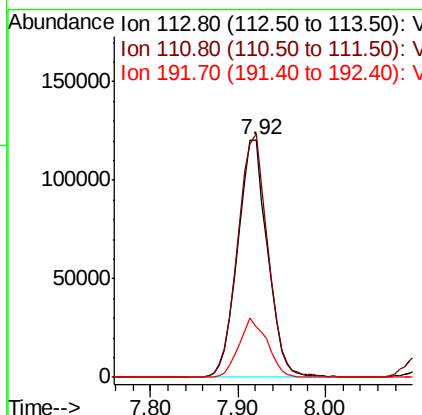
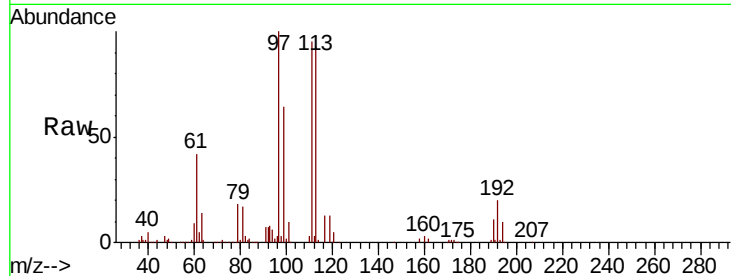




#35
 Dibromofluoromethane
 Concen: 48.379 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

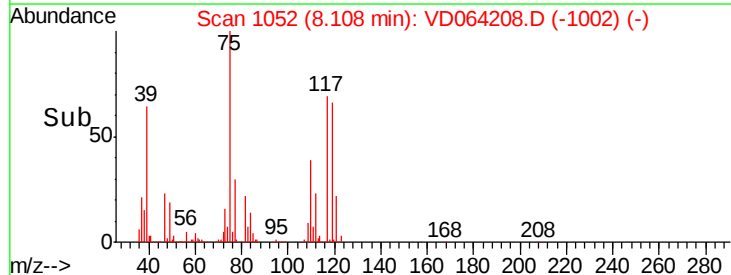
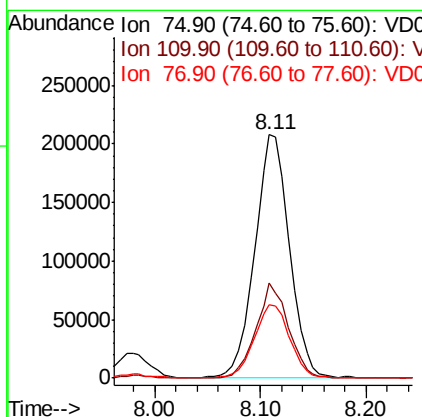
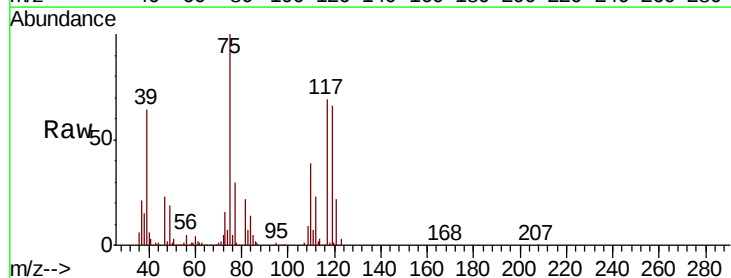
Instrument :
 MSVOA_D
 ClientSampleId :

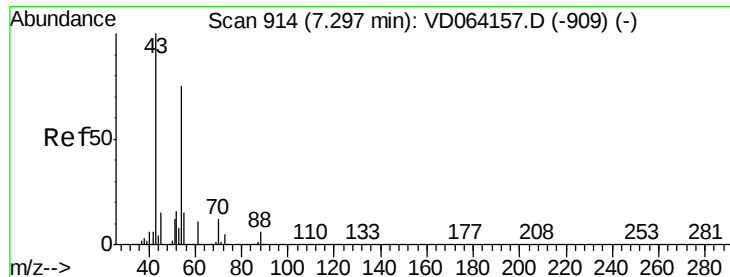
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	23.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 50.981 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	30.9	25.0	37.6

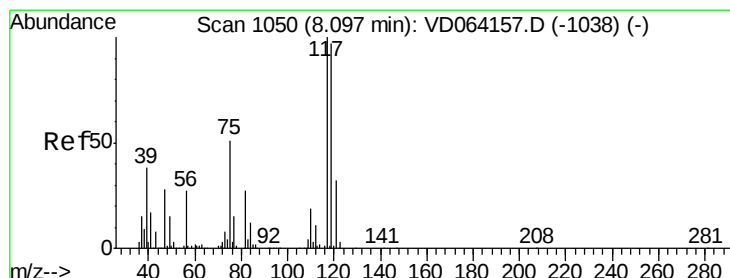
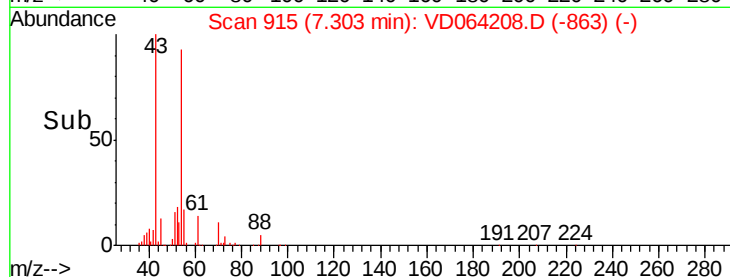
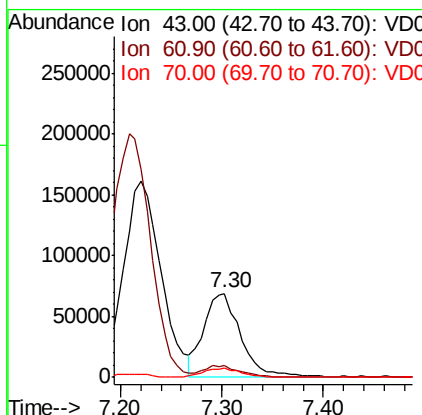
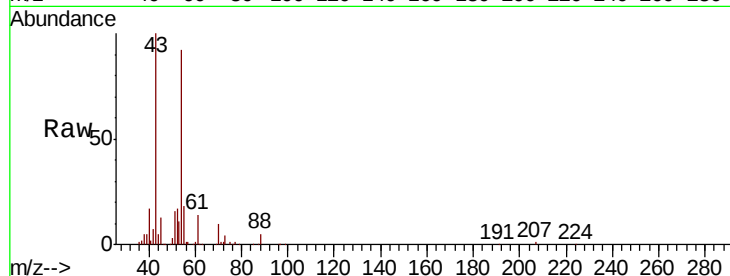




#37
Ethyl Acetate
Concen: 43.794 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

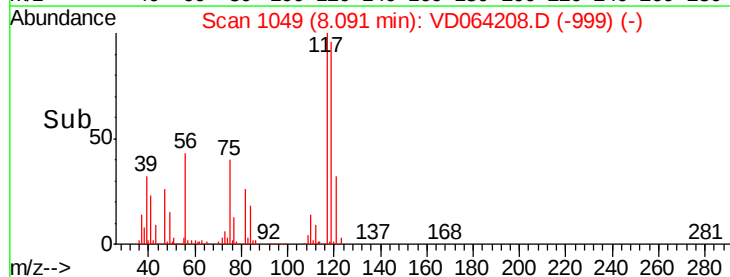
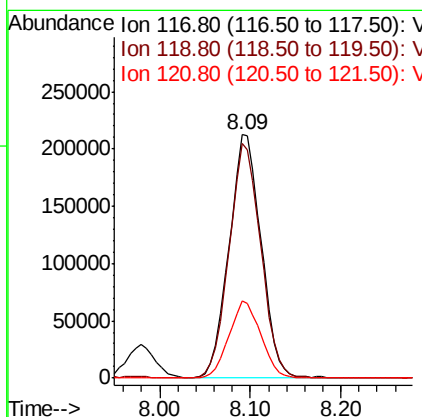
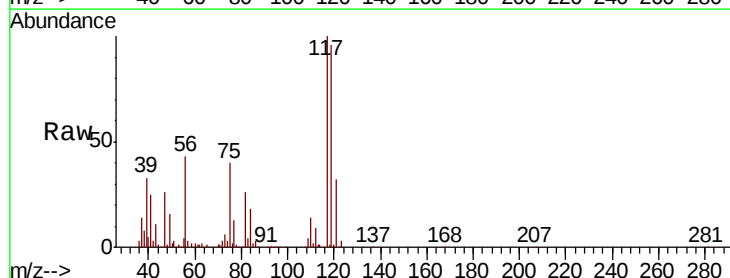
Instrument :
MSVOA_D
ClientSampleID :

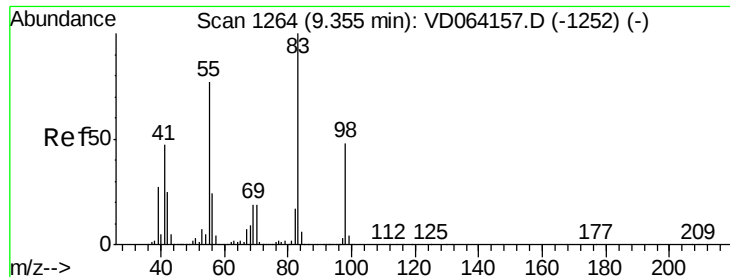
Tot Ion: 43 Resp: 170641
Ion Ratio Lower Upper
43 100
61 13.5 10.2 15.2
70 11.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 52.709 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 117 Resp: 521280
Ion Ratio Lower Upper
117 100
119 96.2 77.2 115.8
121 31.9 25.5 38.3

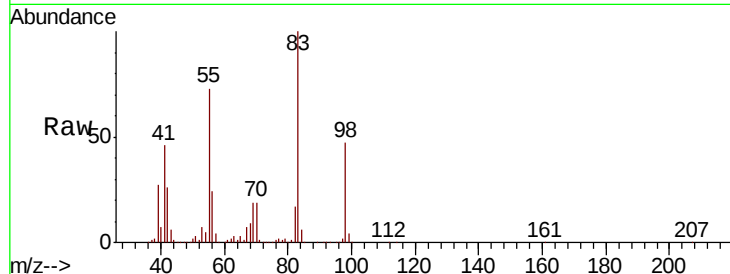




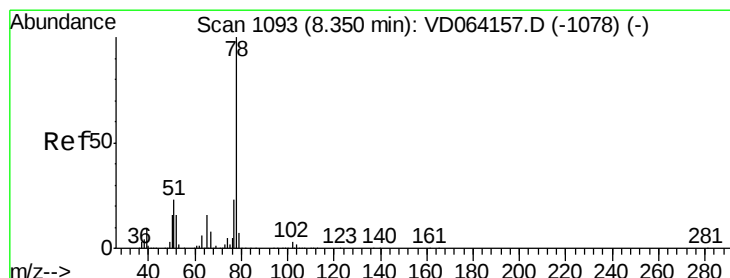
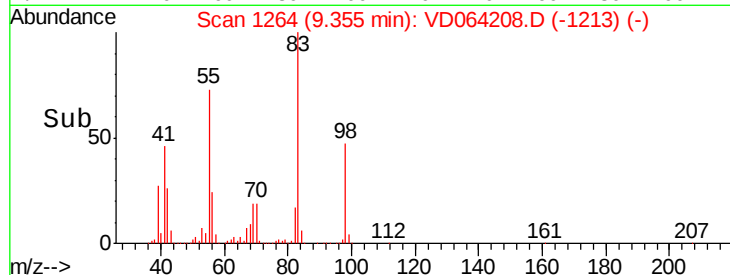
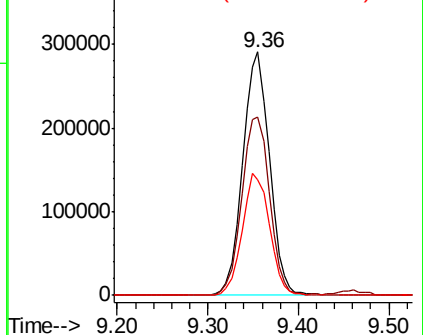
#39
Methvlcvclohexane
Concen: 51.110 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 597745
Ion Ratio Lower Upper
83 100
55 73.3 61.7 92.5
98 47.4 38.6 58.0

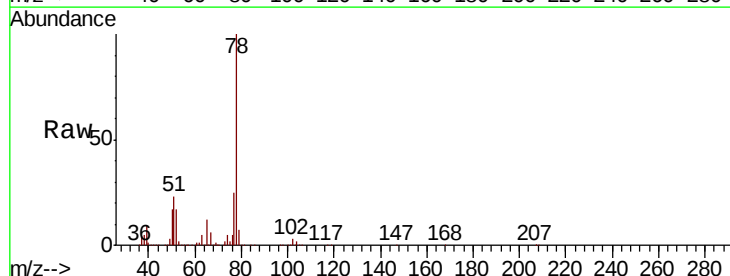


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

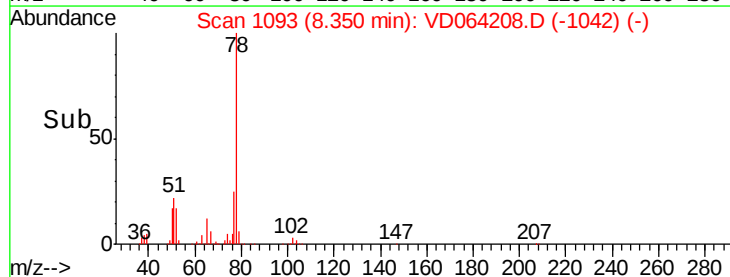
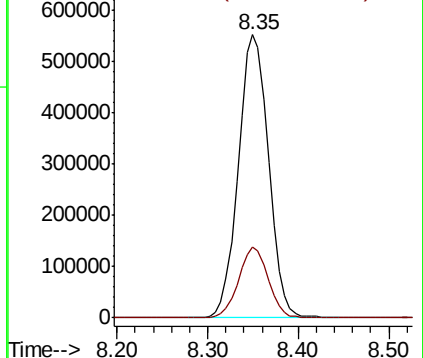


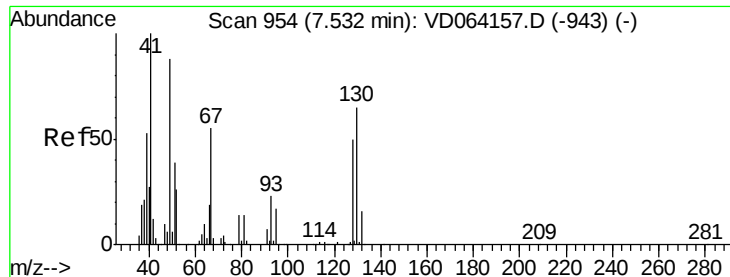
#40
Benzene
Concen: 50.416 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 78 Resp: 1273534
Ion Ratio Lower Upper
78 100
77 25.2 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

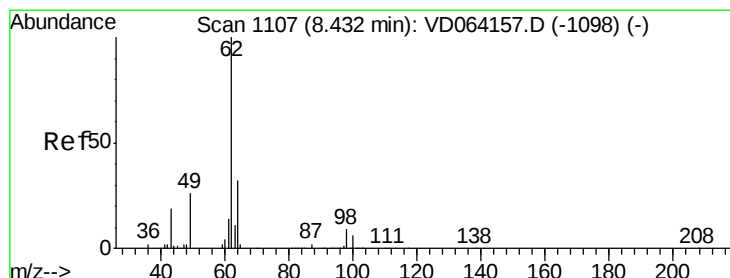
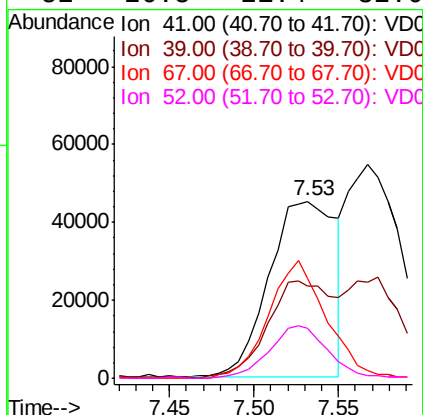
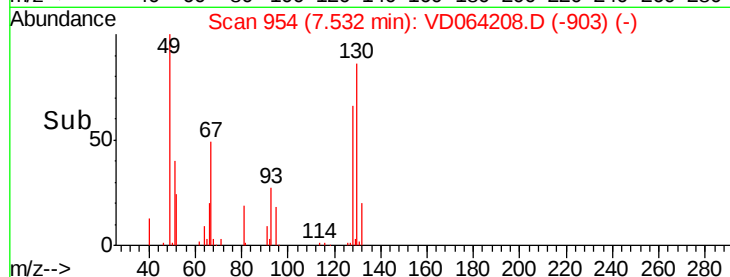
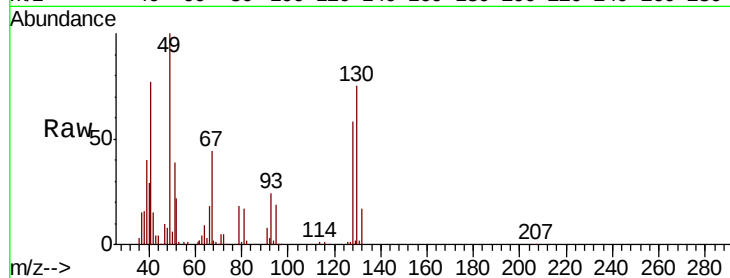




#41
Methacrylonitrile
Concen: 50.305 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

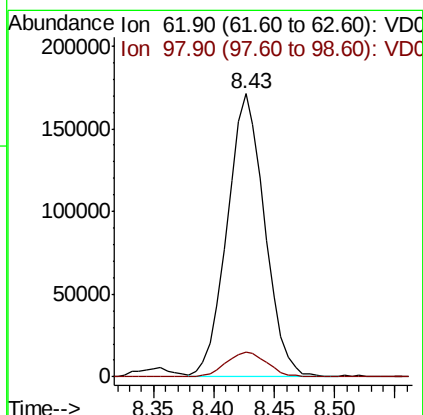
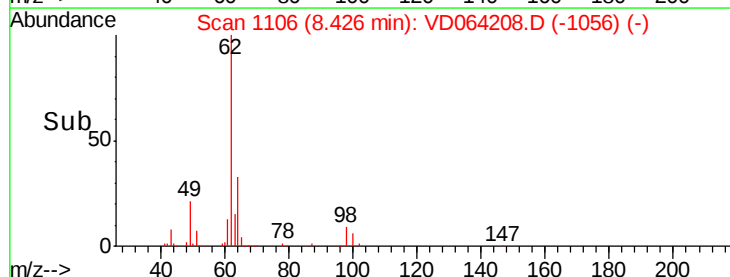
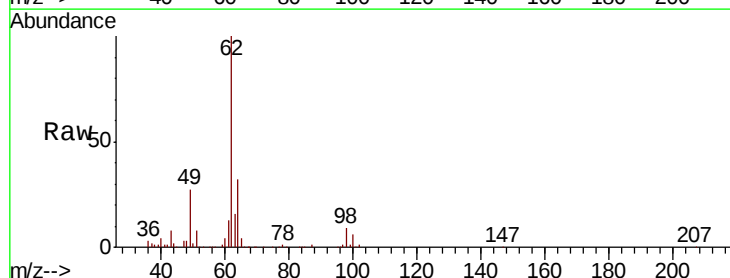
Instrument :
MSVOA_D
ClientSampleId :

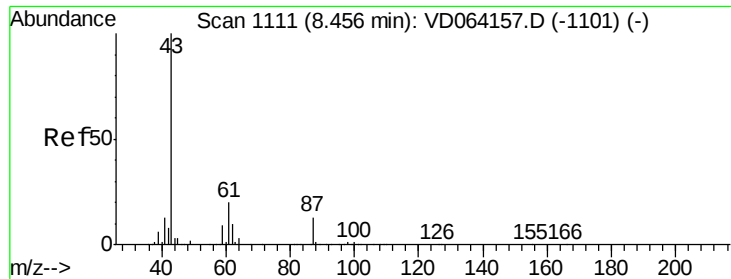
Tot Ion:	41	Resp:	123199
Ion	Ratio	Lower	Upper
41	100		
39	55.0	49.4	74.2
67	58.1	49.6	74.4
52	26.5	21.4	32.0



#42
1,2-Dichloroethane
Concen: 48.431 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion:	62	Resp:	367433
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0

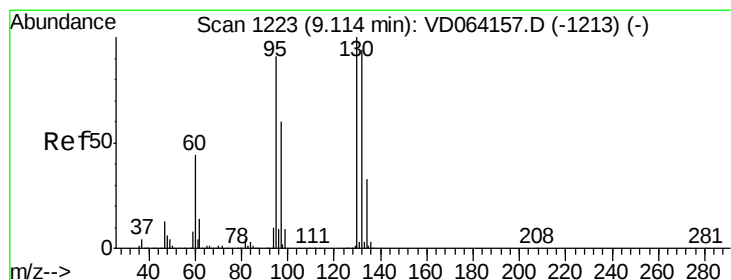
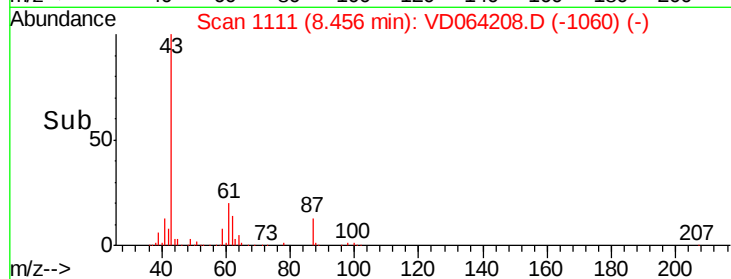
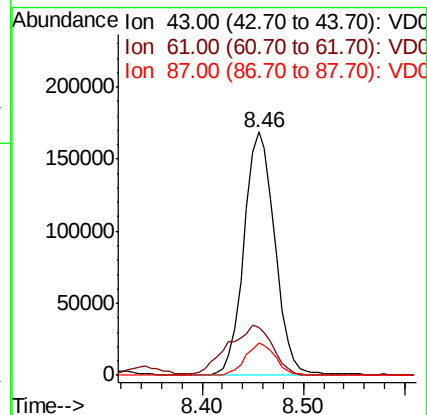
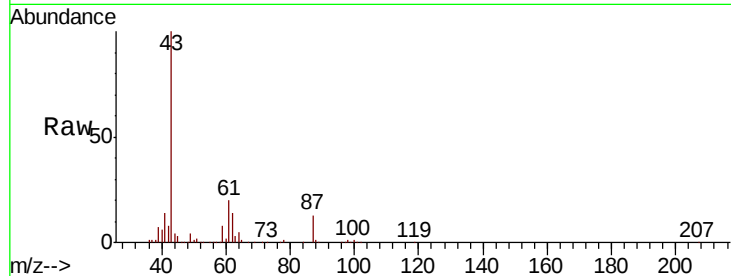




#43
Isopropyl Acetate
Concen: 44.068 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

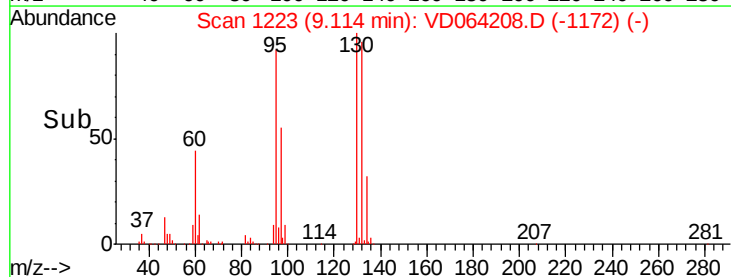
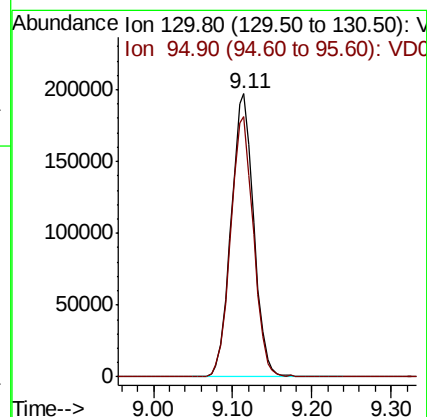
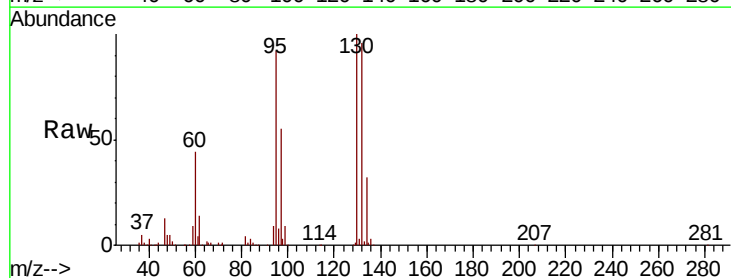
Instrument :
MSVOA_D
ClientSampleId :

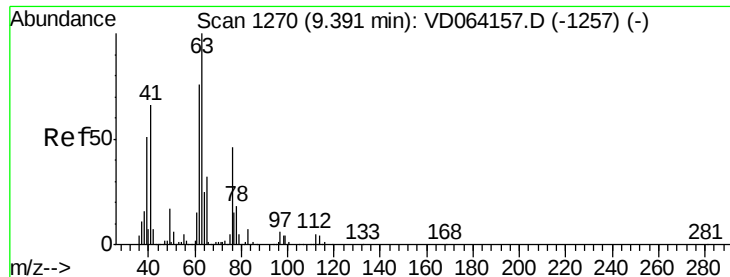
Tot Ion: 43 Resp: 353796
Ion Ratio Lower Upper
43 100
61 30.1 22.9 34.3
87 13.0 10.2 15.2



#44
Trichloroethene
Concen: 51.327 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 130 Resp: 389137
Ion Ratio Lower Upper
130 100
95 91.8 0.0 181.6

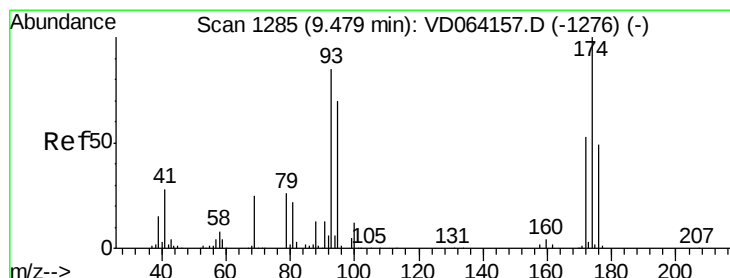
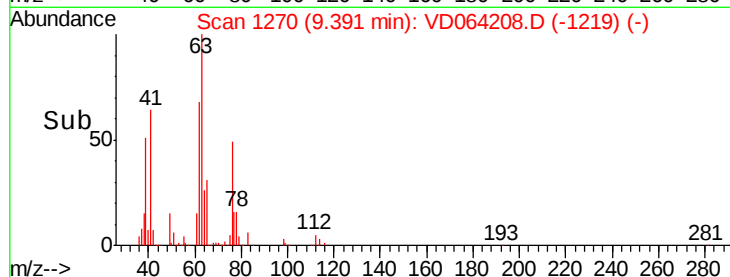
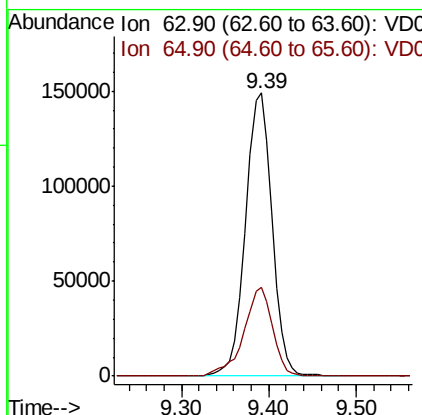
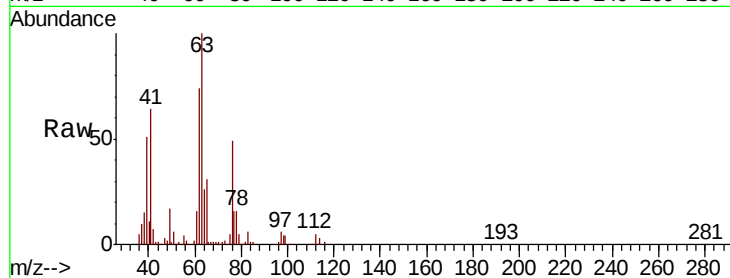




#45
 1,2-Dichloropropane
 Concen: 49.685 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

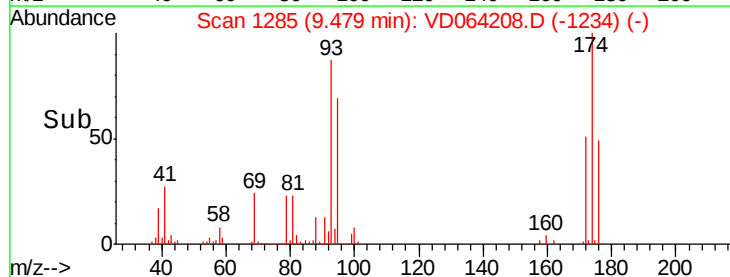
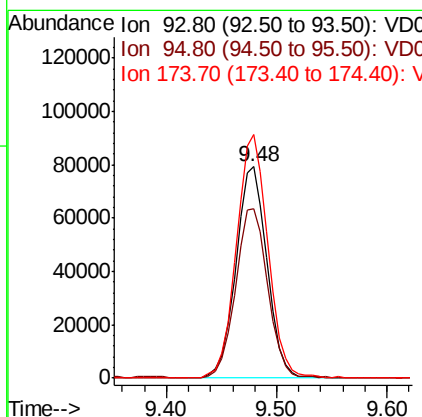
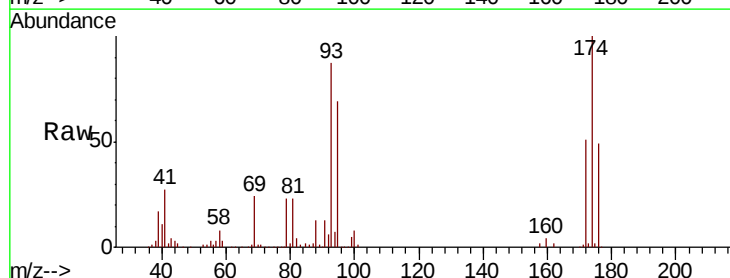
Instrument :
 MSVOA_D
 ClientSampleId :

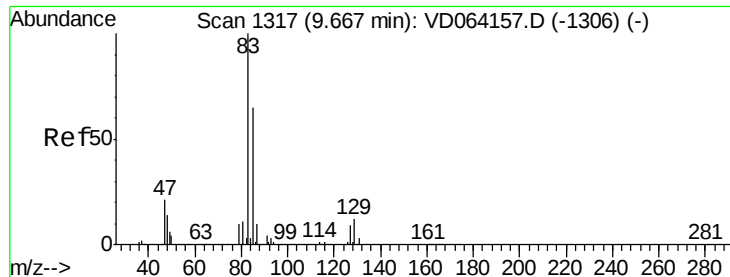
Tot Ion: 63 Resp: 305481
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.7 38.5



#46
 Dibromomethane
 Concen: 47.595 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion: 93 Resp: 156660
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.5 98.3
 174 116.6 93.9 140.9





#47

Bromodichloromethane

Concen: 49.509 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampled :

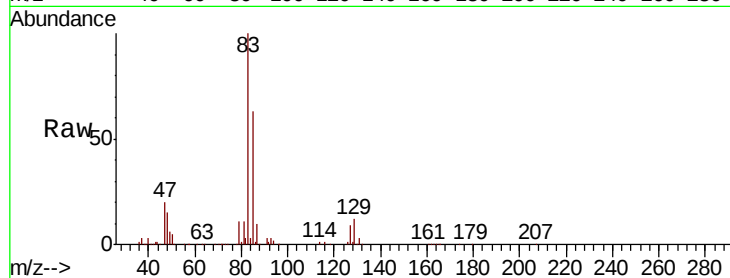
Tot Ion: 83 Resp: 438955

Ion Ratio Lower Upper

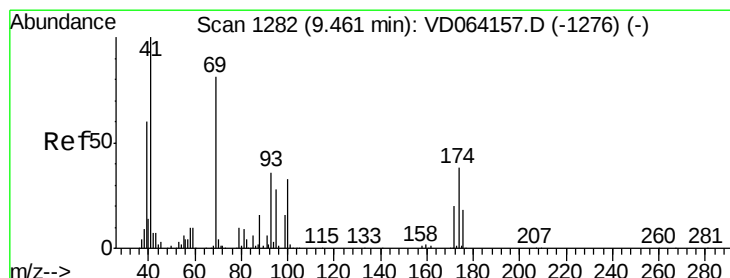
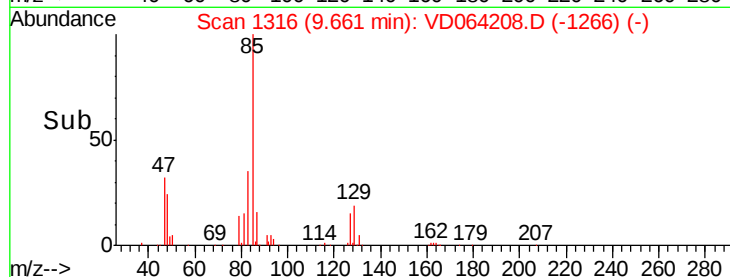
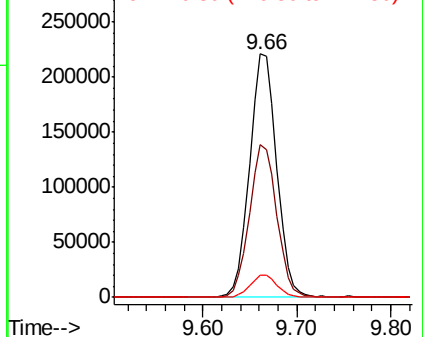
83 100

85 63.0 52.2 78.4

127 9.2 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 42.862 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

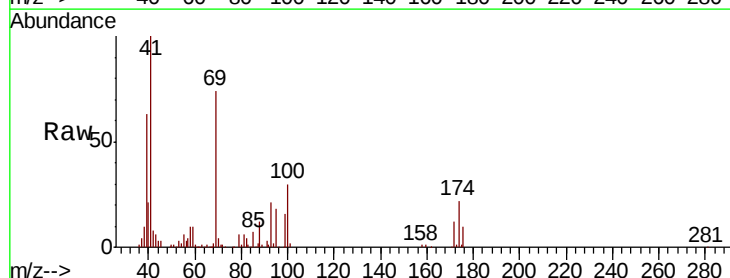
Tgt Ion: 41 Resp: 168264

Ion Ratio Lower Upper

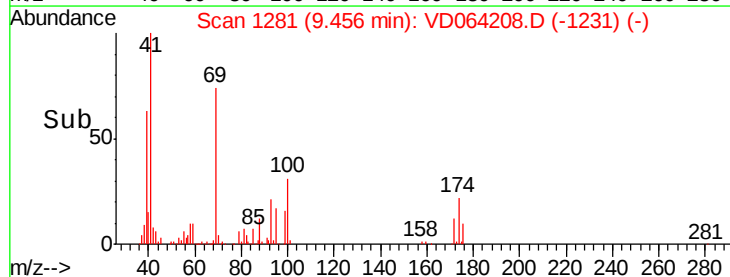
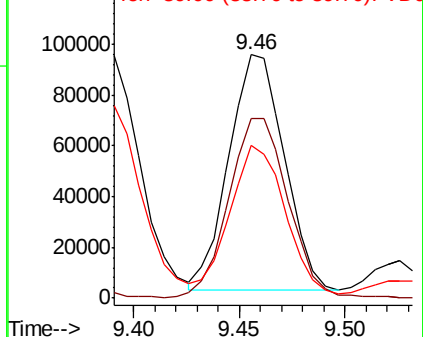
41 100

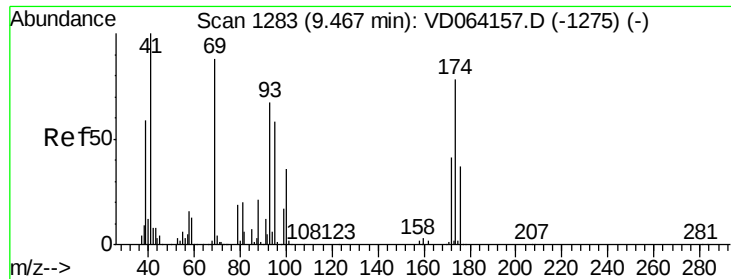
69 81.9 64.6 97.0

39 62.8 48.2 72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

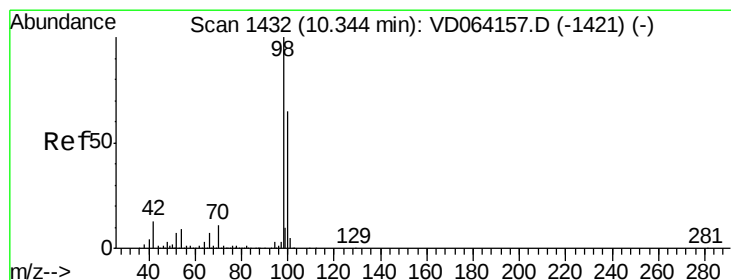
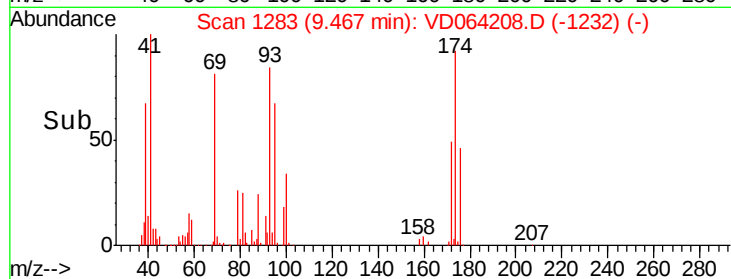
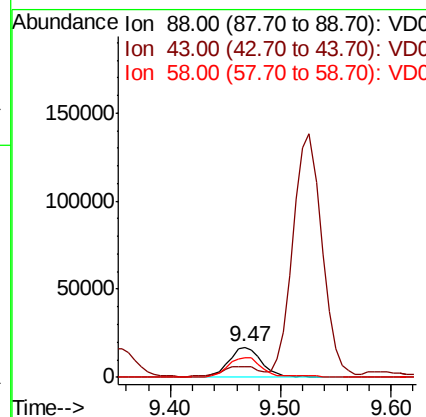
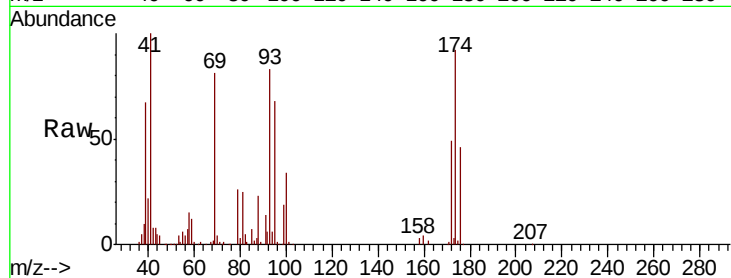




#49
1,4-Dioxane
Concen: 903.387 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

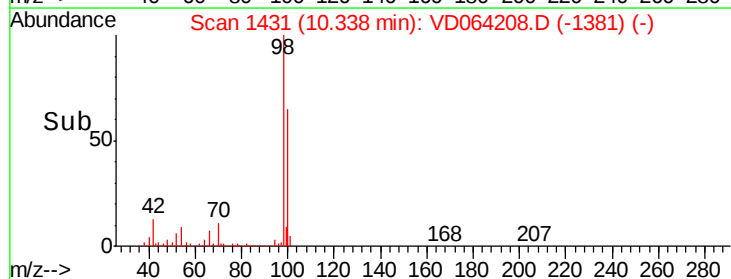
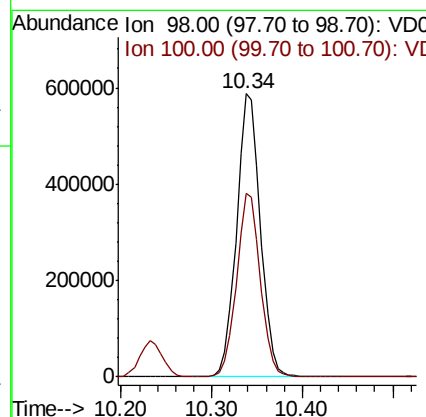
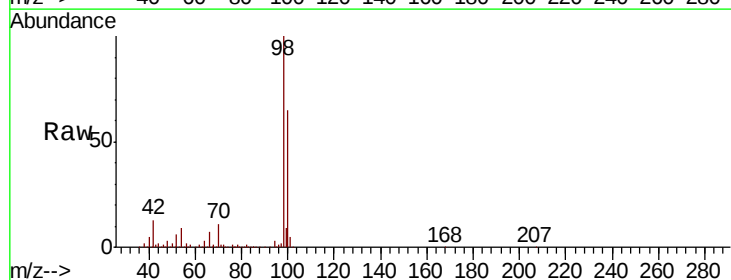
Instrument :
MSVOA_D
ClientSampleId :

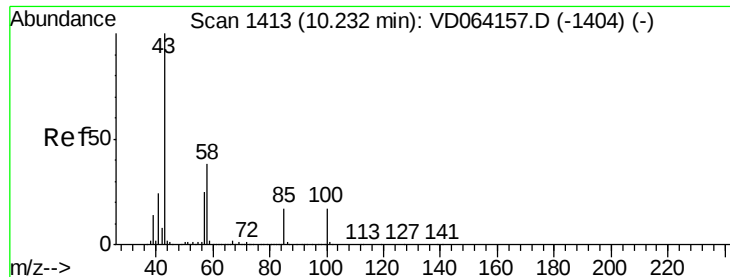
Tot Ion: 88 Resp: 35712
Ion Ratio Lower Upper
88 100
43 37.7 29.8 44.8
58 69.1 58.1 87.1



#50
Toluene-d8
Concen: 49.526 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 98 Resp: 1074032
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 218.936 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

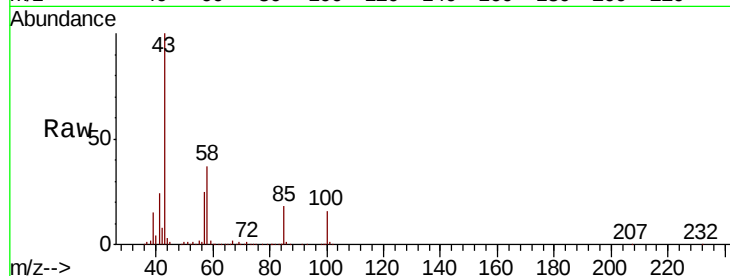
ClientSampleId :

Tot Ion: 43 Resp: 842891

Ion Ratio Lower Upper

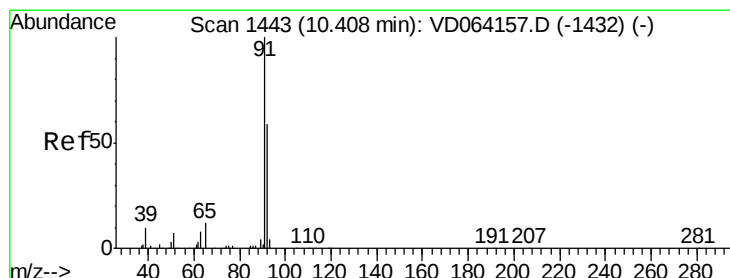
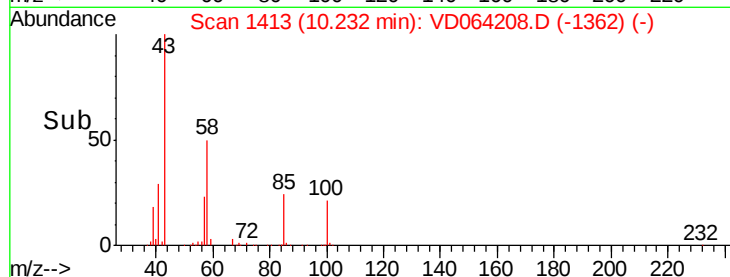
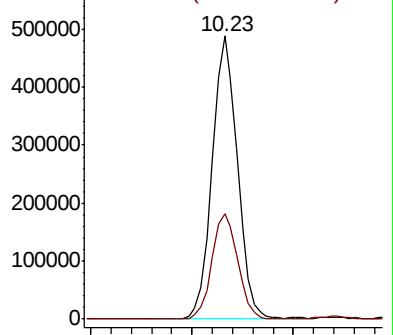
43 100

58 38.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.453 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064208.D

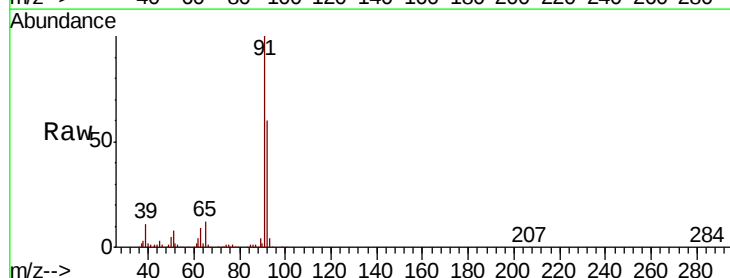
Acq: 14 Nov 2019 11:26

Tgt Ion: 92 Resp: 838039

Ion Ratio Lower Upper

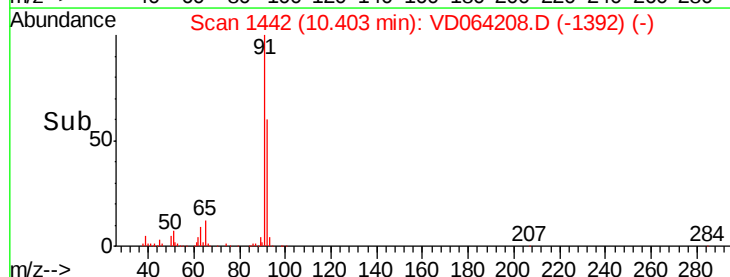
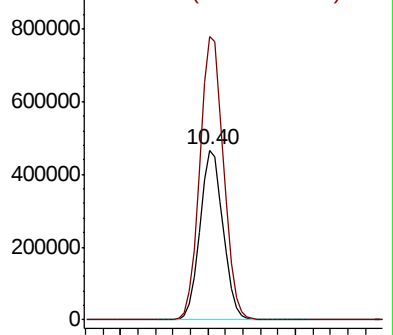
92 100

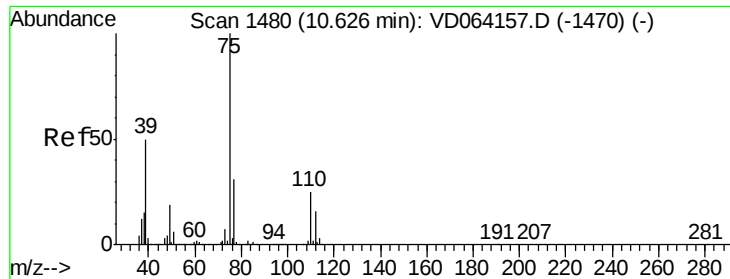
91 171.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 47.638 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

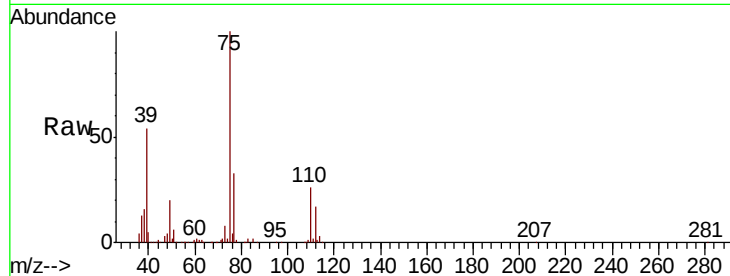
ClientSampled :

Tot Ion: 75 Resp: 423144

Ion Ratio Lower Upper

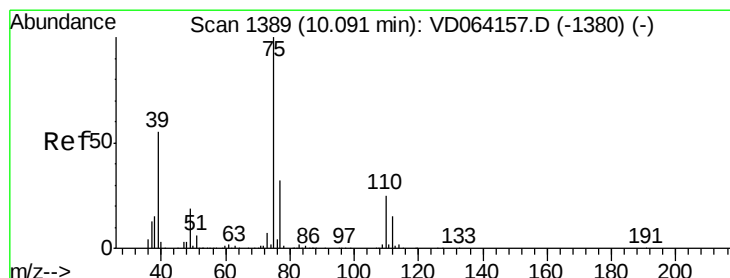
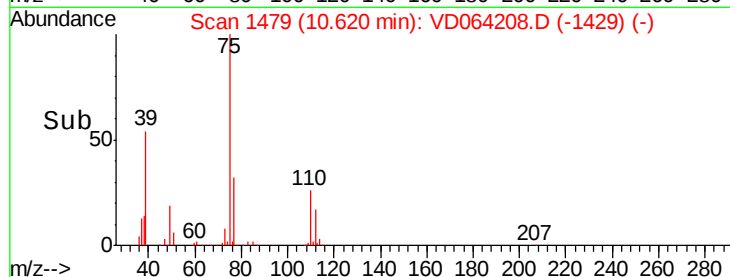
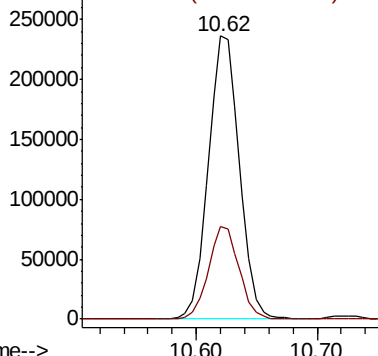
75 100

77 32.6 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 49.005 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

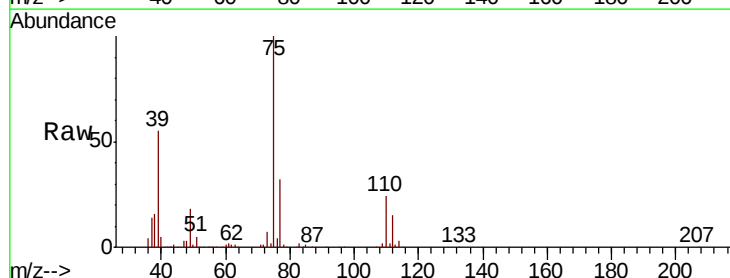
Tgt Ion: 75 Resp: 507944

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

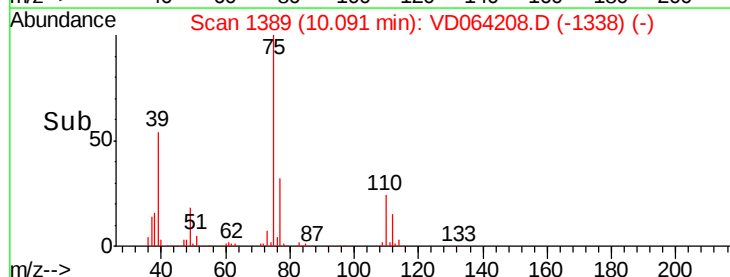
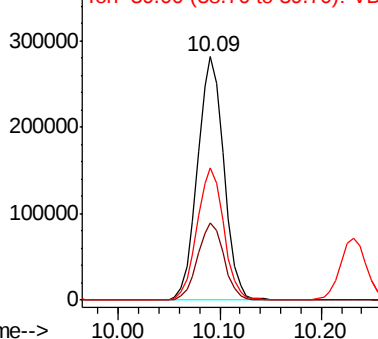
39 54.3 44.2 66.2

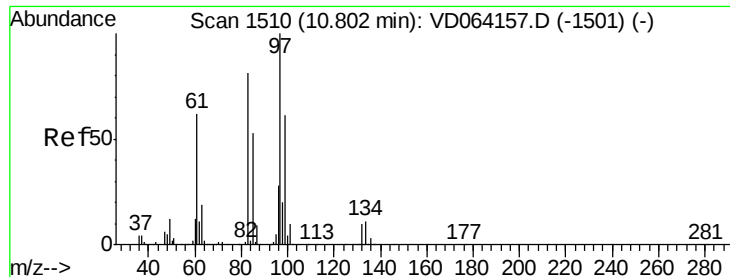


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

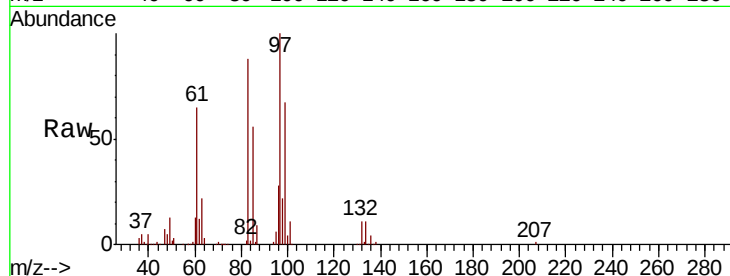




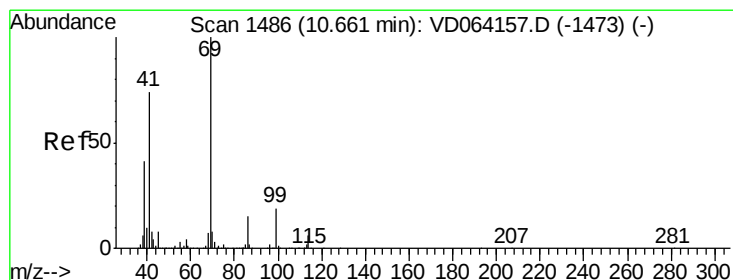
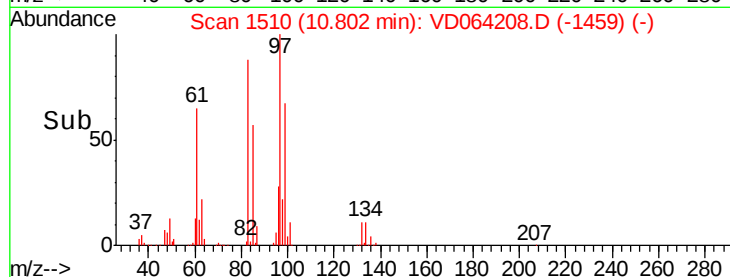
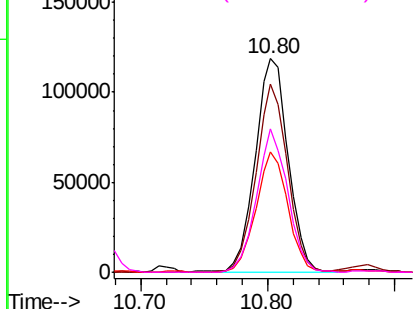
#55
 1,1,2-Trichloroethane
 Concen: 48.256 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	215474
Ion	Ratio	Lower	Upper
97	100		
83	87.8	65.1	97.7
85	56.3	42.0	63.0
99	66.8	48.9	73.3

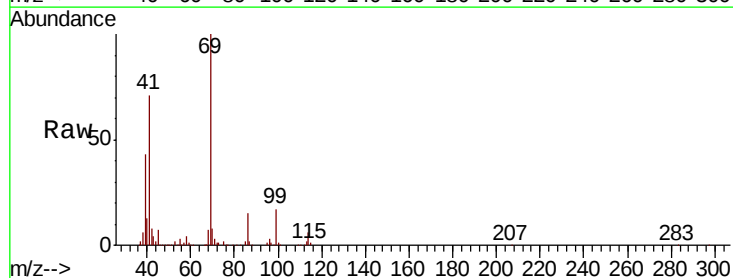


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

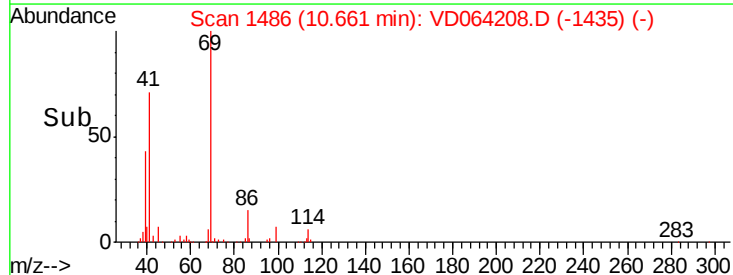
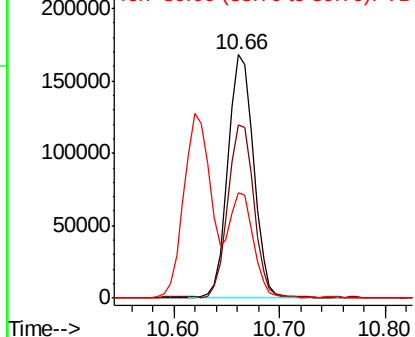


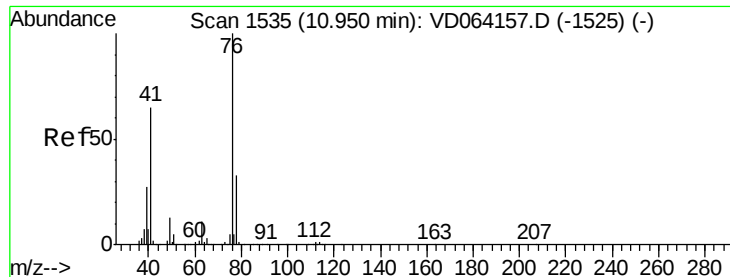
#56
 Ethyl methacrylate
 Concen: 45.015 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion:	69	Resp:	281178
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.9	86.9
39	41.4	29.0	43.4



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 47.282 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

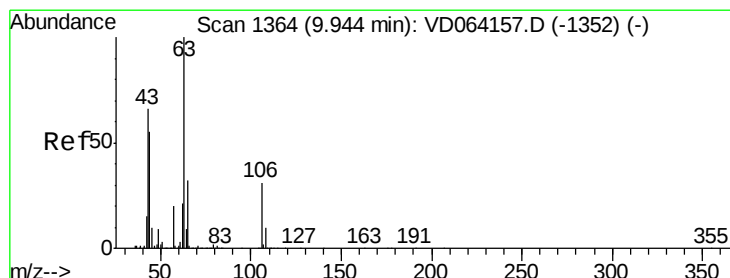
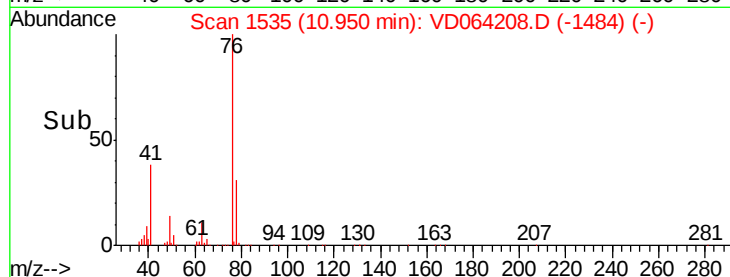
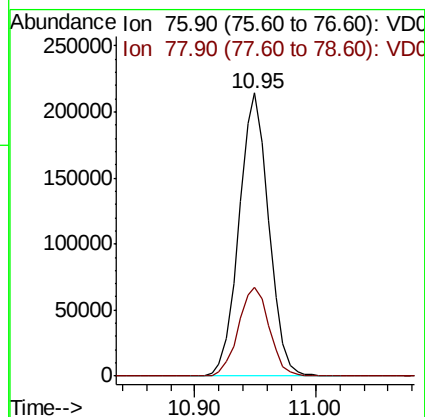
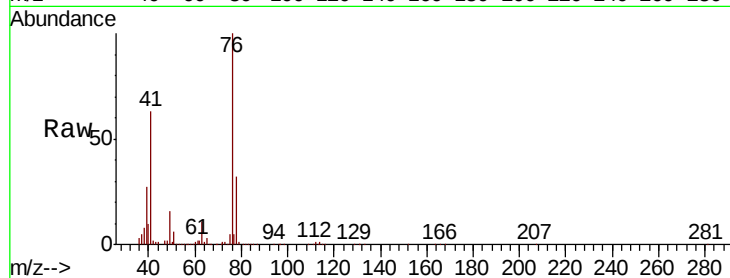
ClientSampleId :

Tot Ion: 76 Resp: 368198

Ion Ratio Lower Upper

76 100

78 32.8 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 222.463 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064208.D

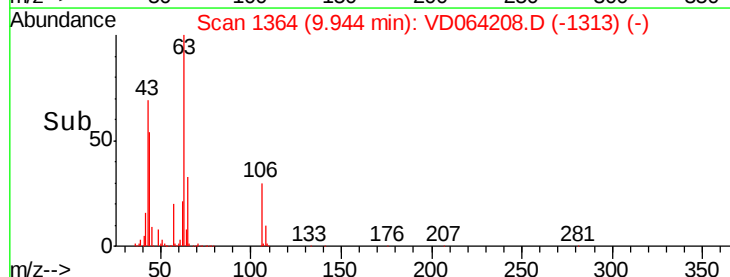
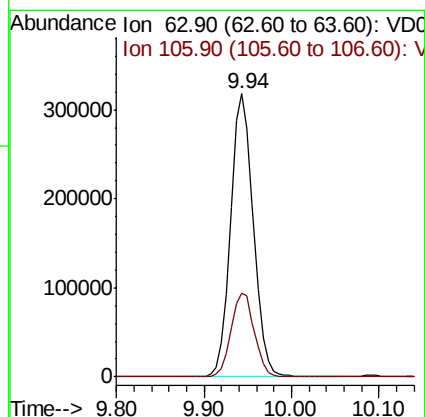
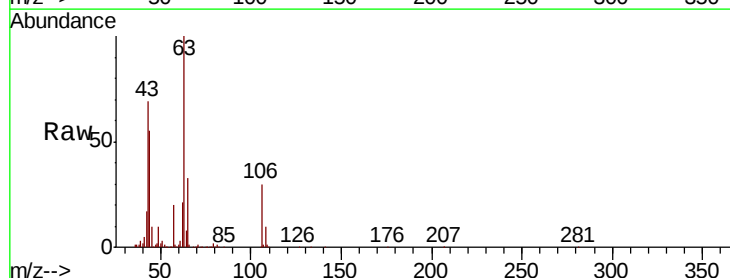
Acq: 14 Nov 2019 11:26

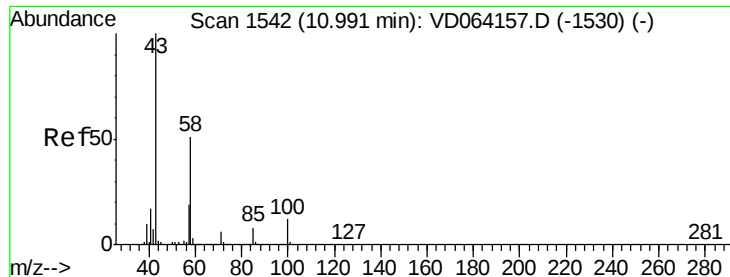
Tgt Ion: 63 Resp: 562875

Ion Ratio Lower Upper

63 100

106 30.2 24.1 36.1

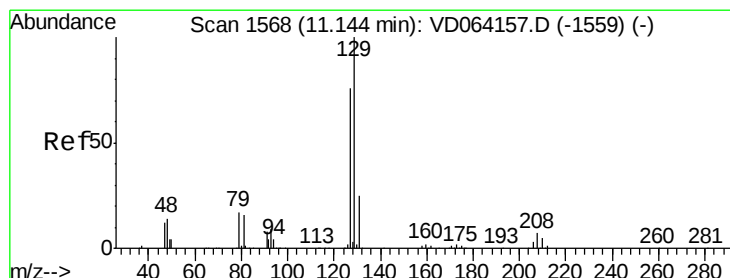
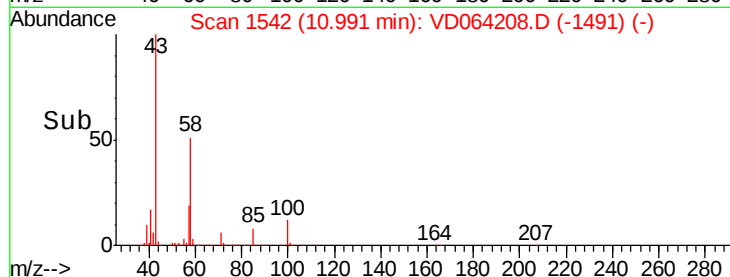
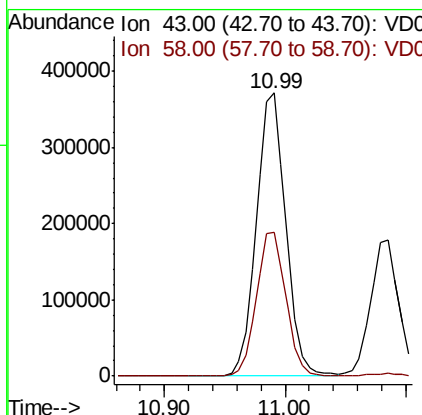
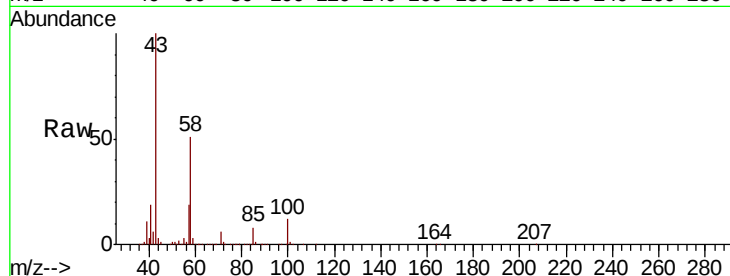




#59
2-Hexanone
Concen: 229.567 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

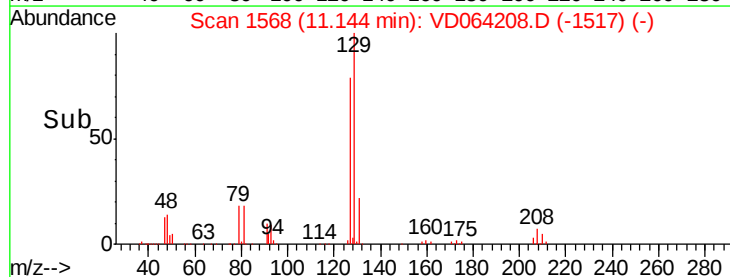
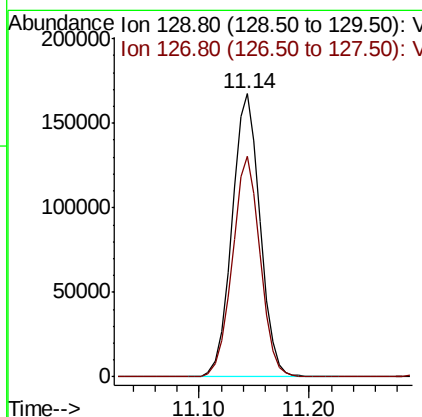
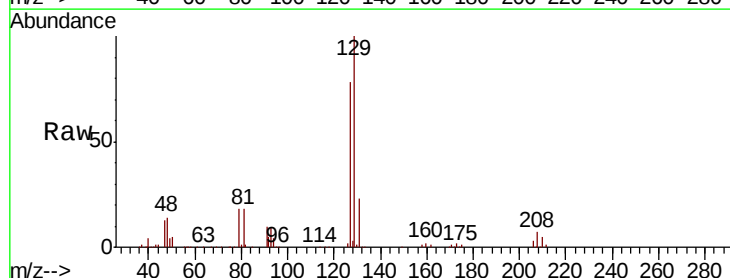
Instrument :
MSVOA_D
ClientSampled :

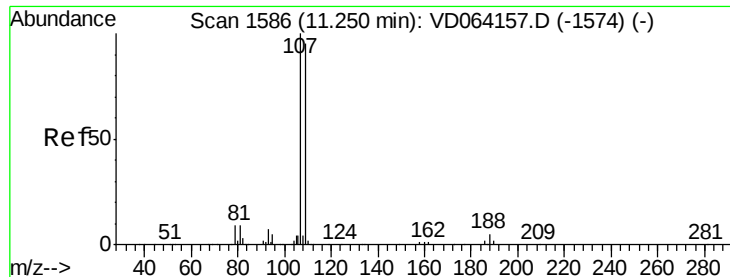
Tot Ion: 43 Resp: 628788
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7



#60
Dibromochloromethane
Concen: 47.969 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 129 Resp: 298876
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

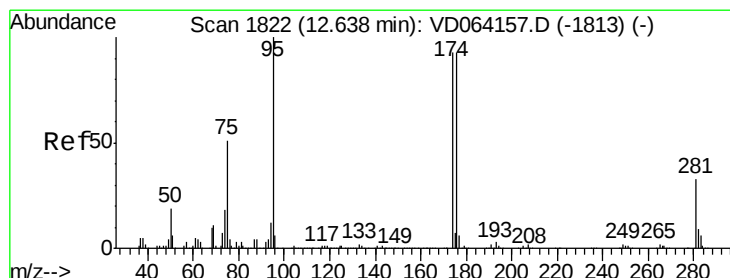
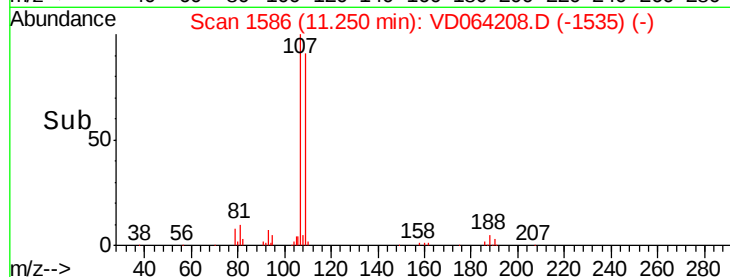
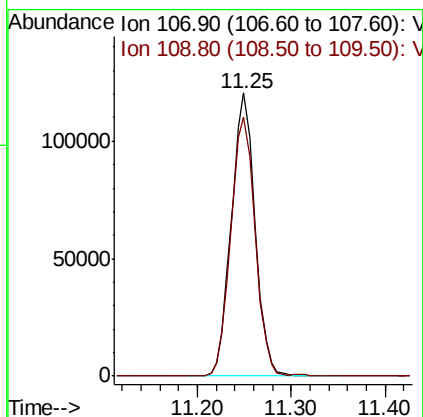
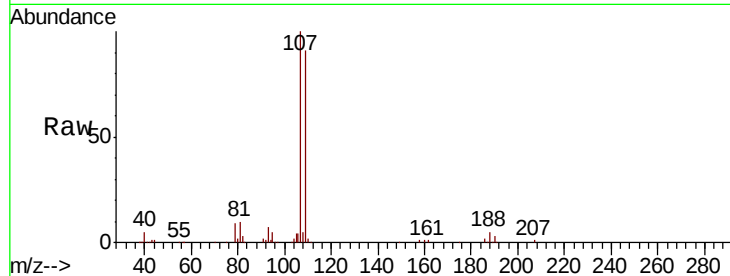




#61
 1,2-Dibromoethane
 Concen: 47.173 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

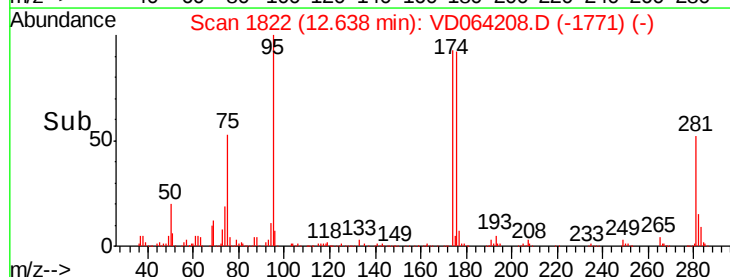
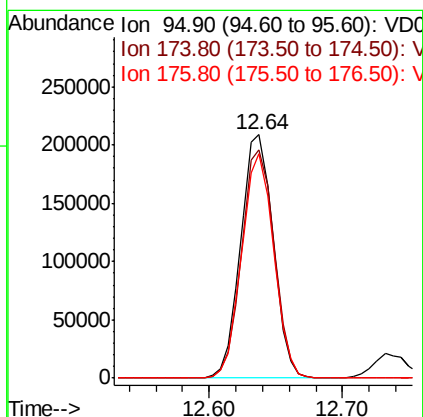
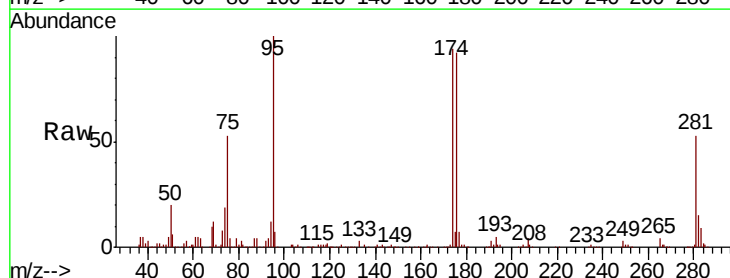
Instrument :
 MSVOA_D
 ClientSampled :

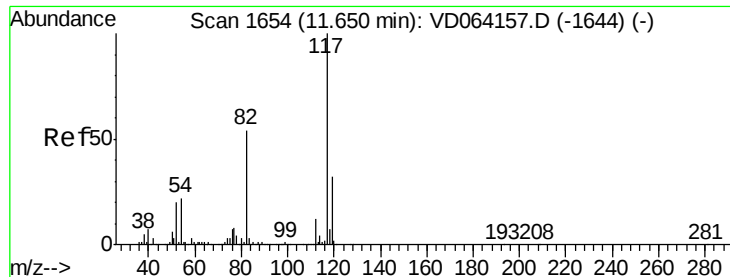
Tot Ion:107 Resp: 210973
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 46.695 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion: 95 Resp: 350678
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 183.6
 176 91.0 0.0 180.2

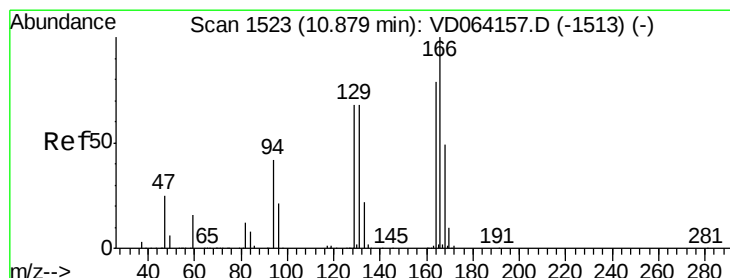
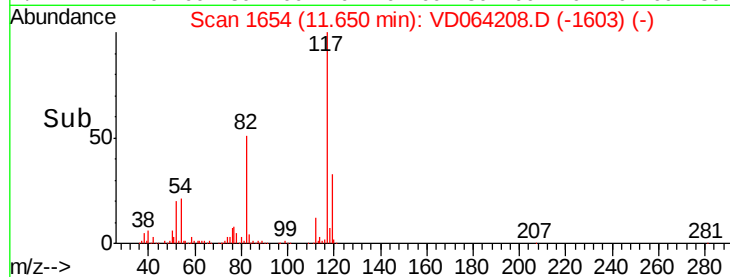
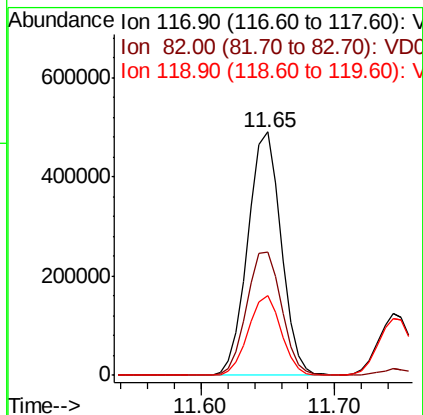
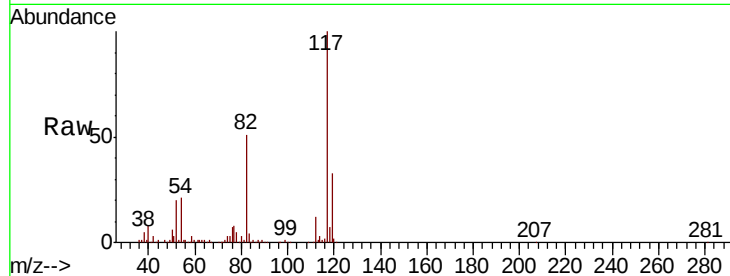




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

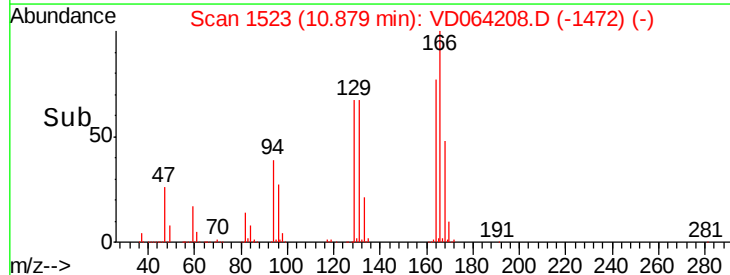
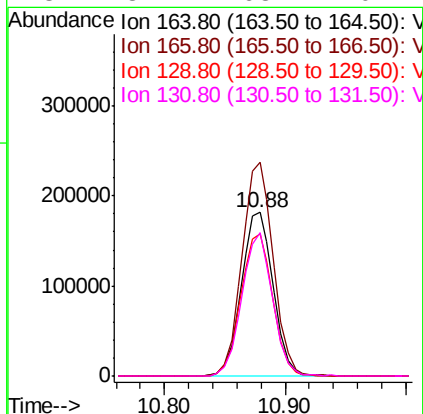
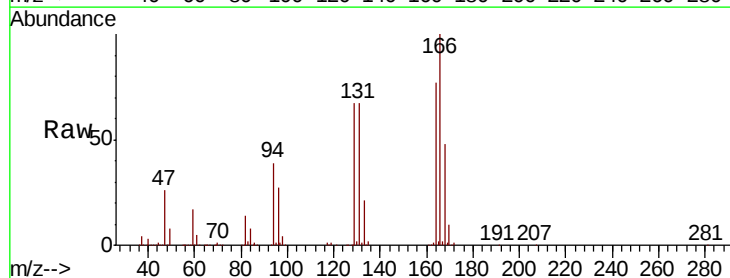
Instrument :
MSVOA_D
ClientSampleId :

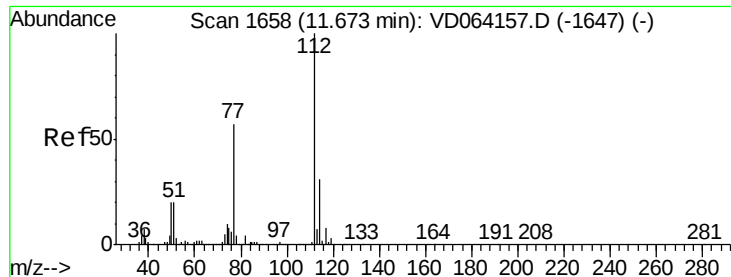
Tot Ion:117 Resp: 847056
Ion Ratio Lower Upper
117 100
82 50.9 42.8 64.2
119 32.8 25.6 38.4



#64
Tetrachloroethene
Concen: 50.980 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion:164 Resp: 332119
Ion Ratio Lower Upper
164 100
166 130.7 100.8 151.2
129 87.3 68.7 103.1
131 87.7 68.1 102.1

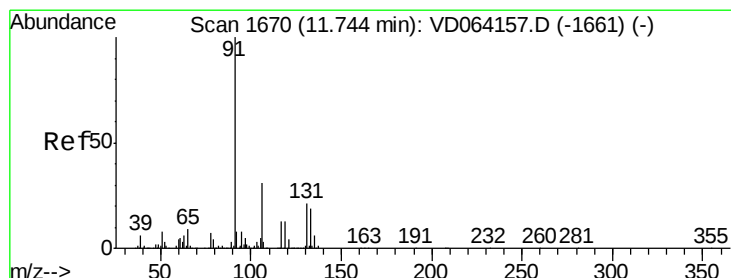
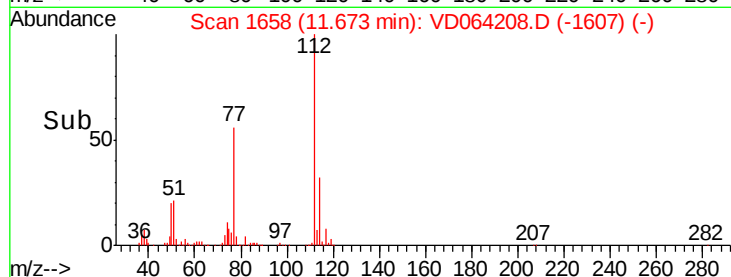
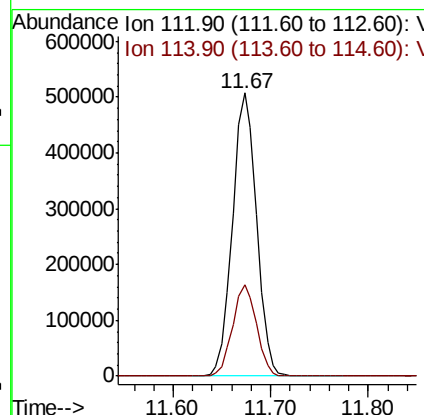
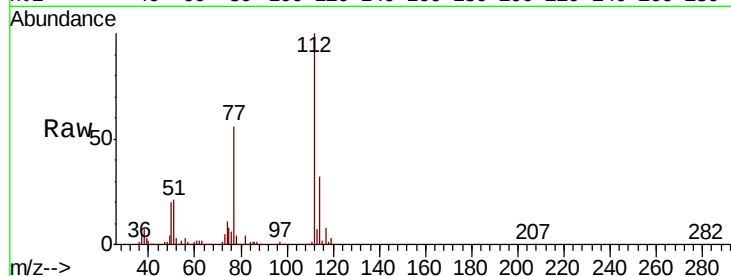




#65
Chlorobenzene
Concen: 50.467 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

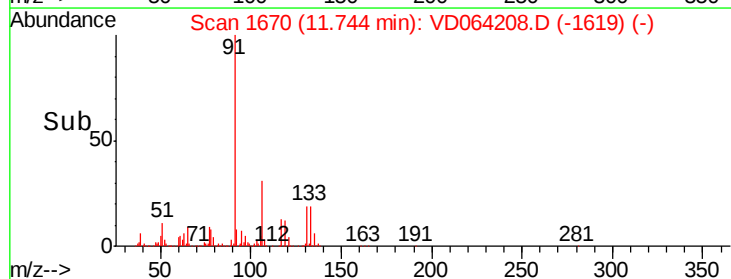
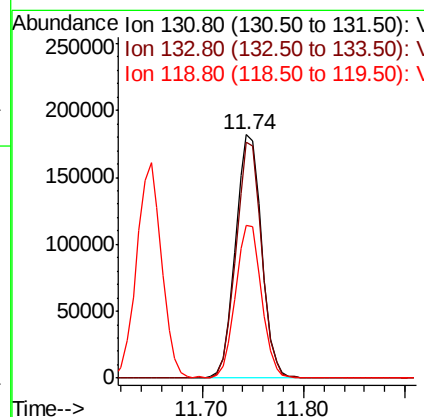
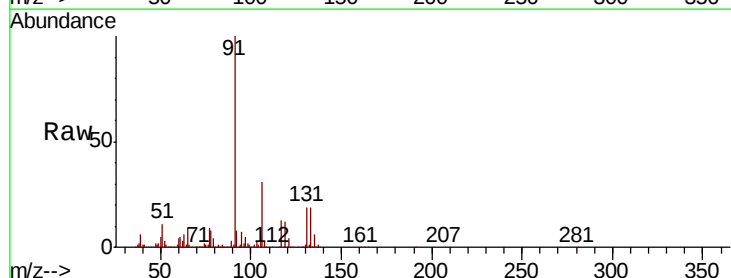
Instrument :
MSVOA_D
ClientSampleId :

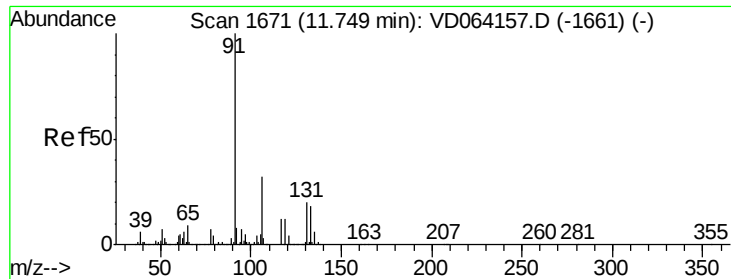
Tot Ion:112 Resp: 869283
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.603 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion:131 Resp: 324883
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 62.8 31.1 93.3

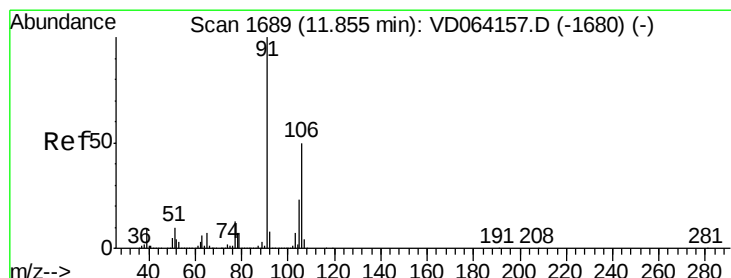
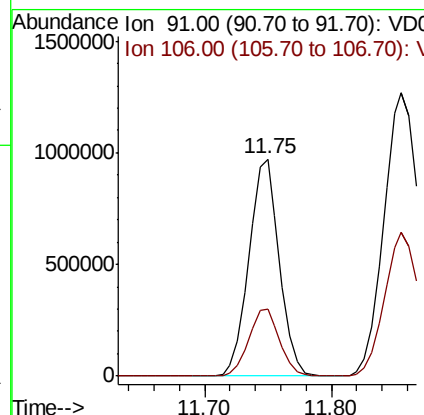
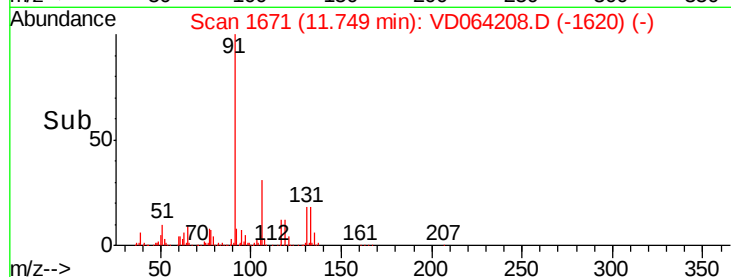
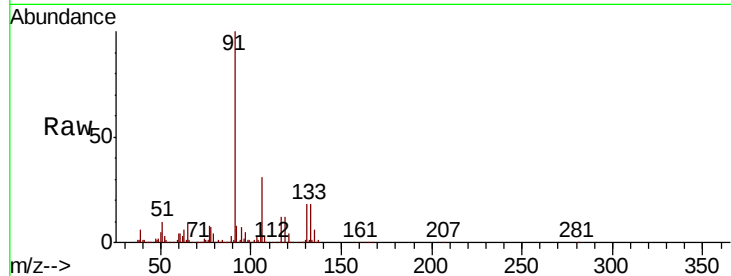




#67
Ethyl Benzene
Concen: 51.808 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

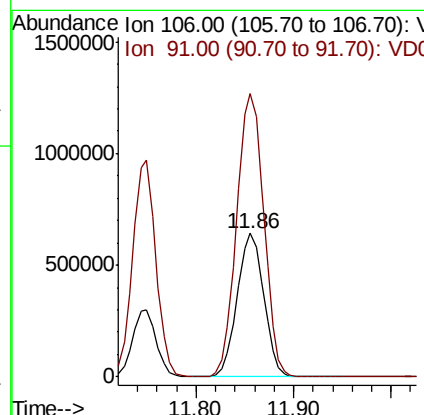
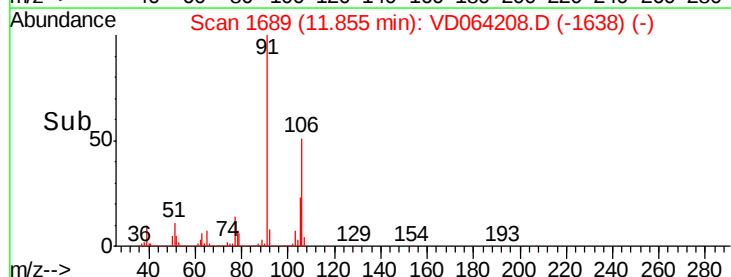
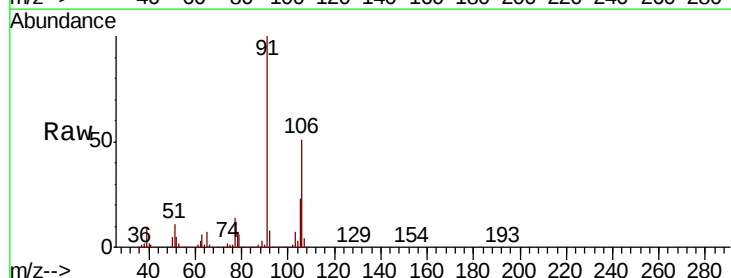
Instrument :
MSVOA_D
ClientSampled :

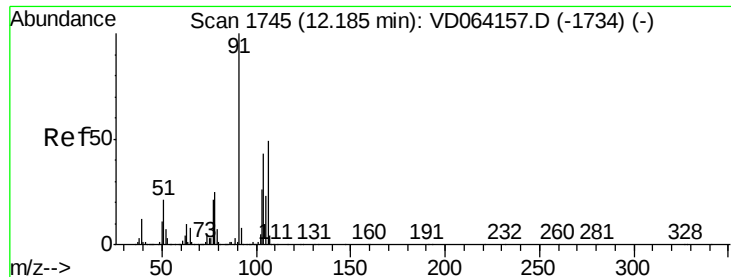
Tot Ion: 91 Resp: 1614171
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 102.295 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 106 Resp: 1221666
Ion Ratio Lower Upper
106 100
91 200.8 160.3 240.5

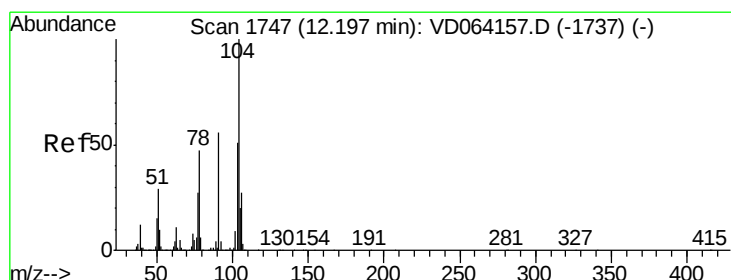
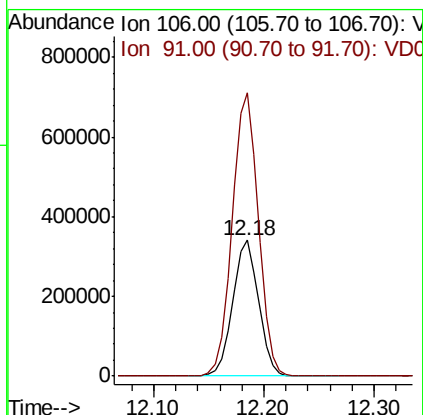
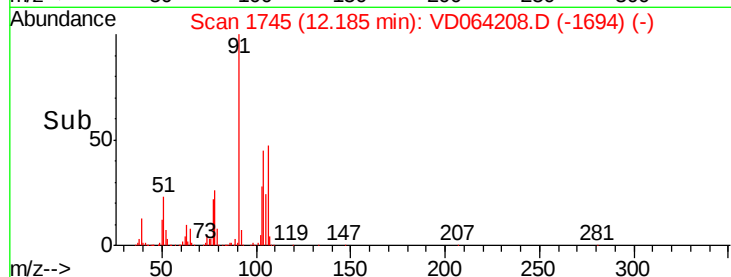
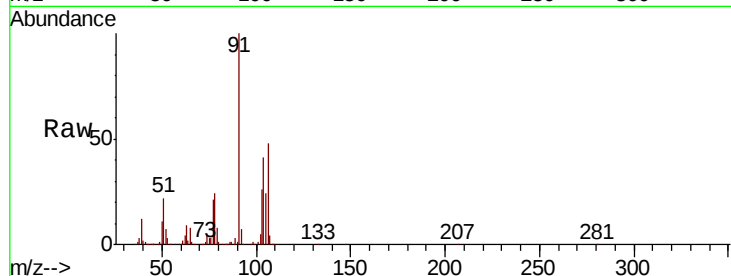




#69
o-Xylene
Concen: 50.583 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

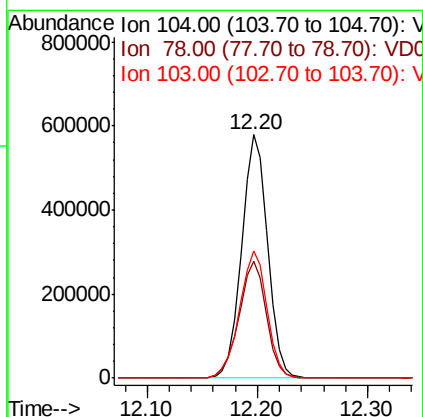
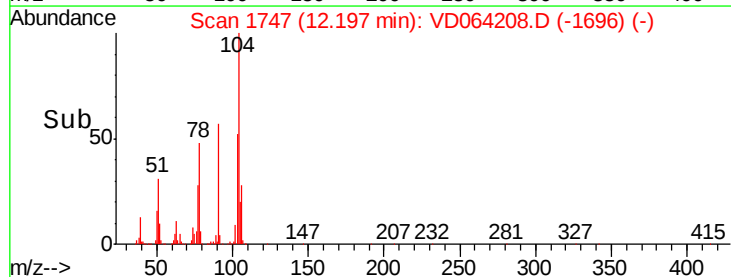
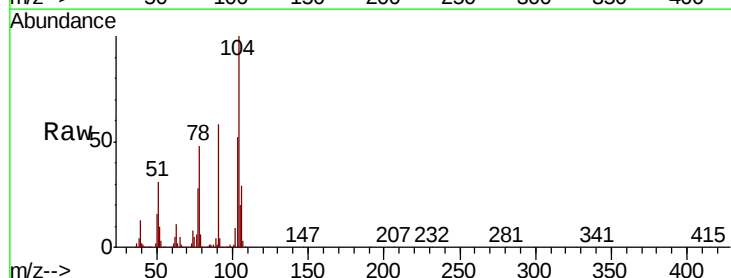
Instrument :
MSVOA_D
ClientSampled :

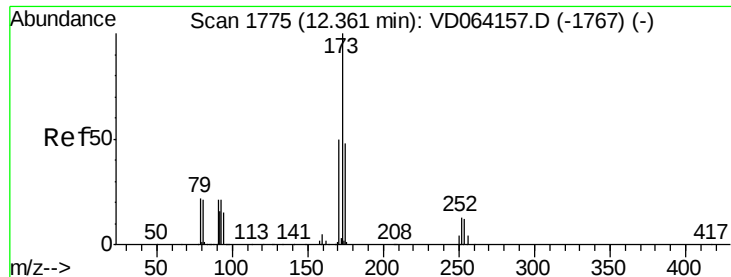
Tot Ion:106 Resp: 560251
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.3



#70
Styrene
Concen: 49.322 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion:104 Resp: 953585
Ion Ratio Lower Upper
104 100
78 50.9 39.9 59.9
103 55.6 43.4 65.0





#71

Bromoform

Concen: 47.437 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

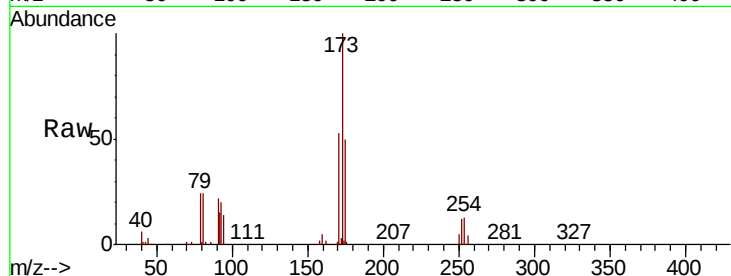
Tot Ion:173 Resp: 176817

Ion Ratio Lower Upper

173 100

175 49.9 24.1 72.3

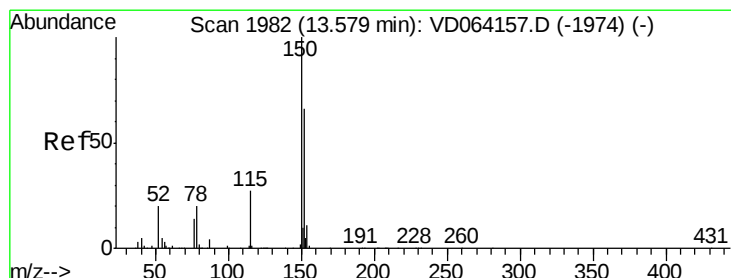
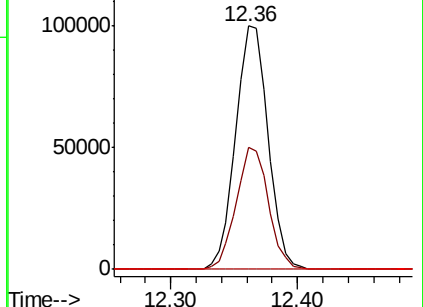
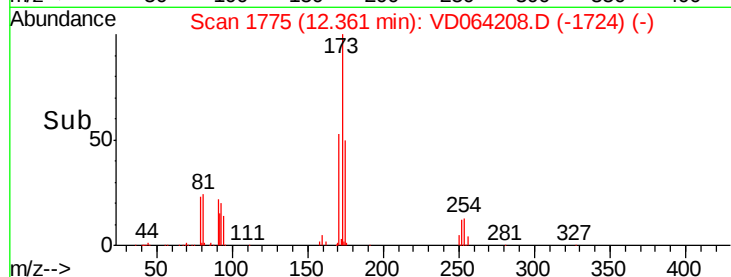
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

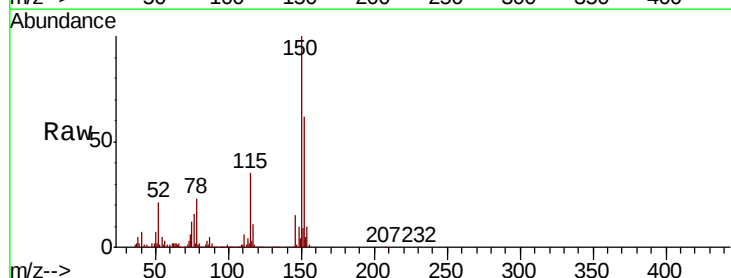
Tgt Ion:152 Resp: 408944

Ion Ratio Lower Upper

152 100

115 55.4 27.4 82.2

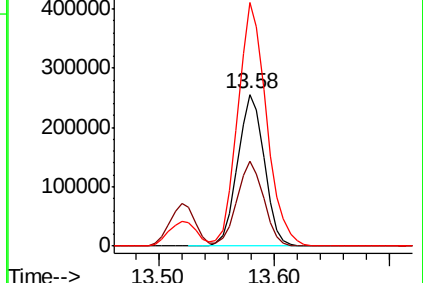
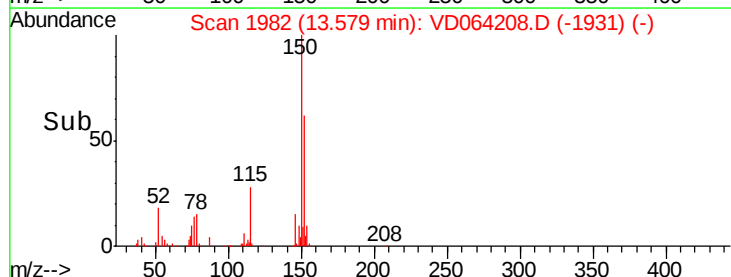
150 173.4 0.0 351.6

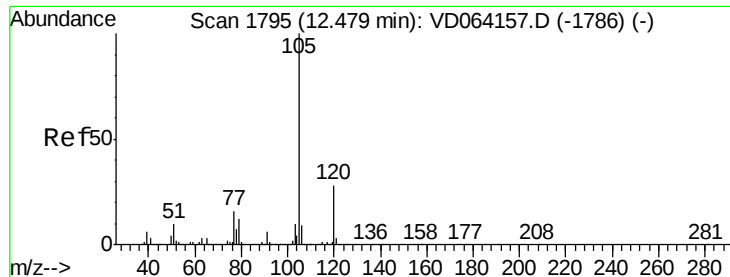


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.662 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

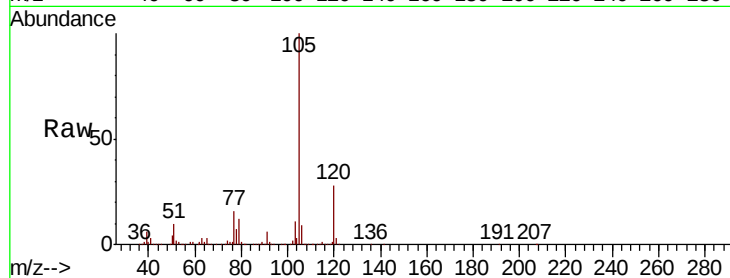
ClientSampleId :

Tot Ion:105 Resp: 1550711

Ion Ratio Lower Upper

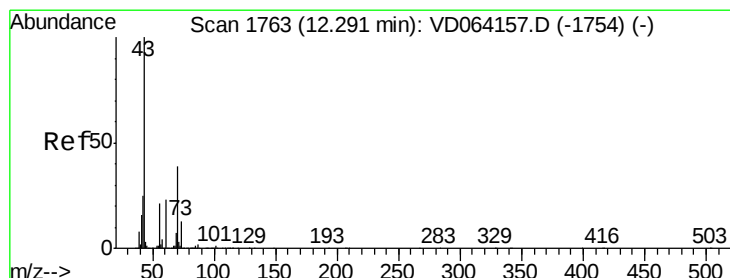
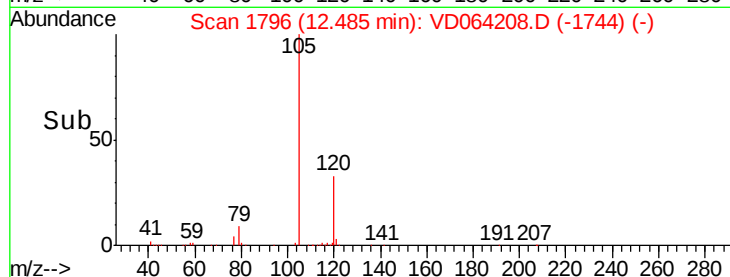
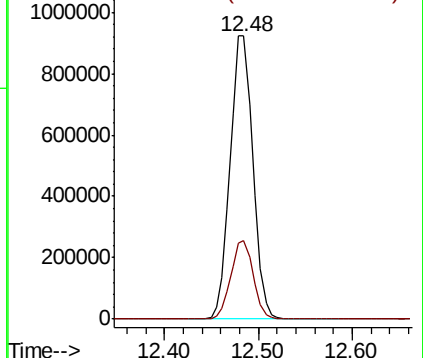
105 100

120 27.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.492 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Tgt Ion: 43 Resp: 322457

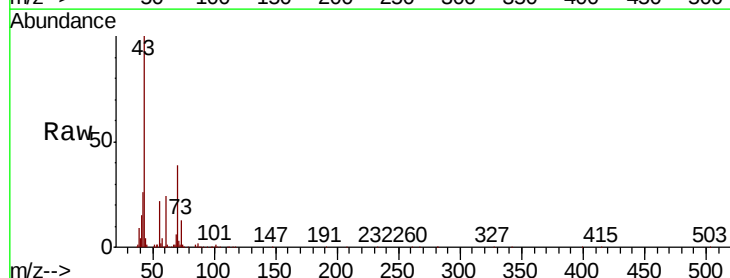
Ion Ratio Lower Upper

43 100

70 40.0 32.4 48.6

55 22.0 17.9 26.9

61 23.6 19.0 28.4

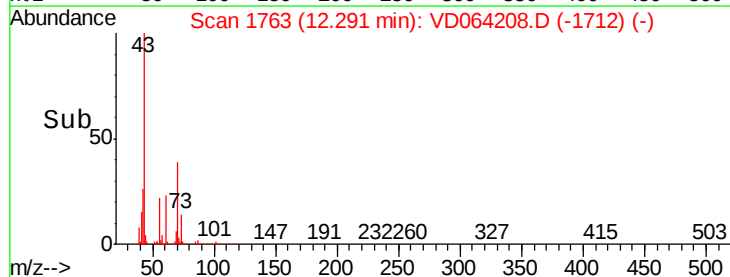
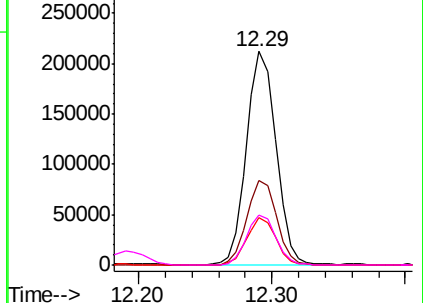


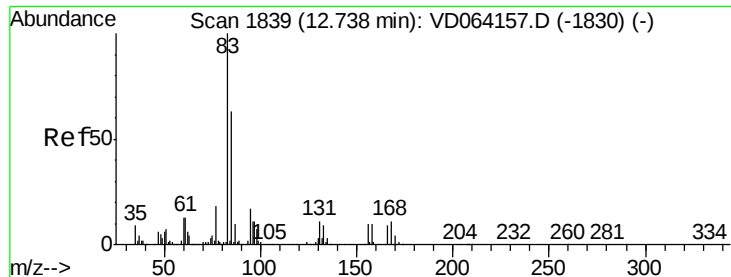
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.584 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

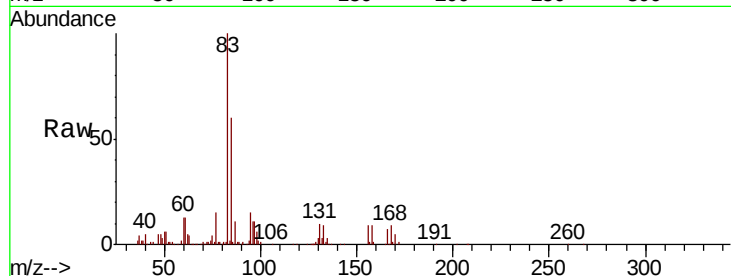
Tot Ion: 83 Resp: 219741

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.7

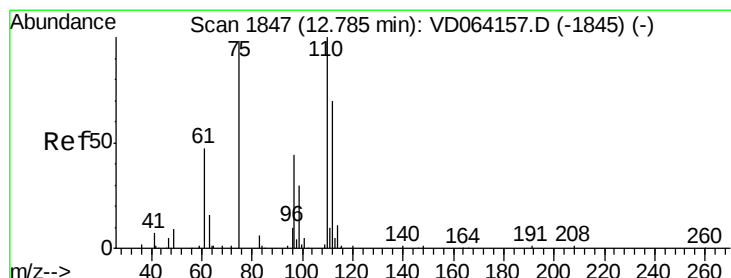
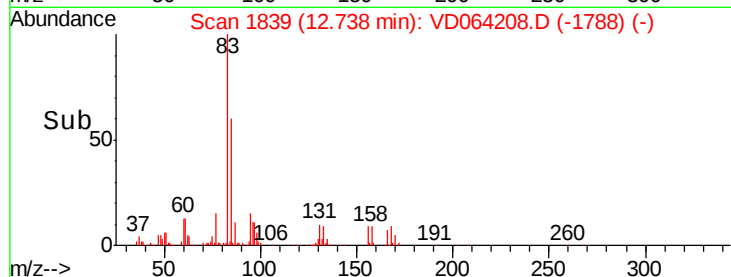
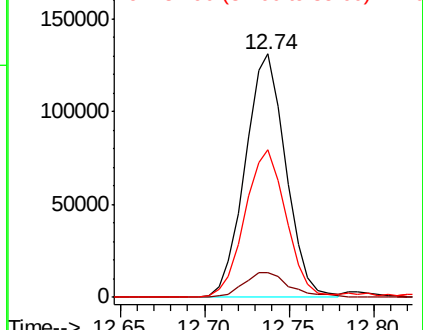
85 61.7 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 89.874 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064208.D

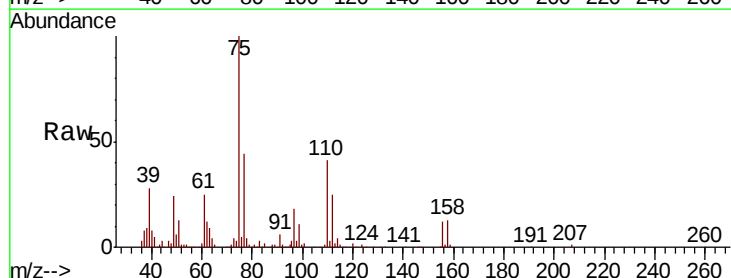
Acq: 14 Nov 2019 11:26

Tgt Ion: 75 Resp: 296039

Ion Ratio Lower Upper

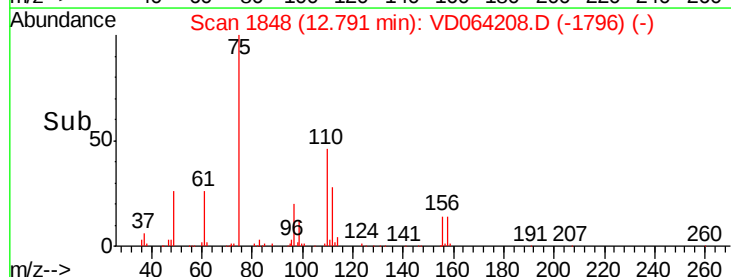
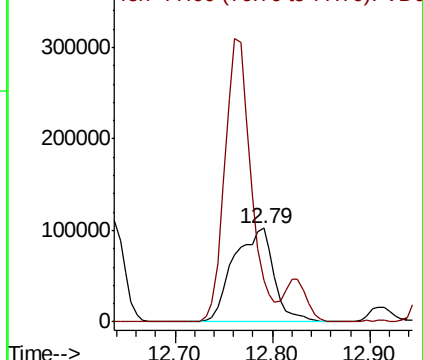
75 100

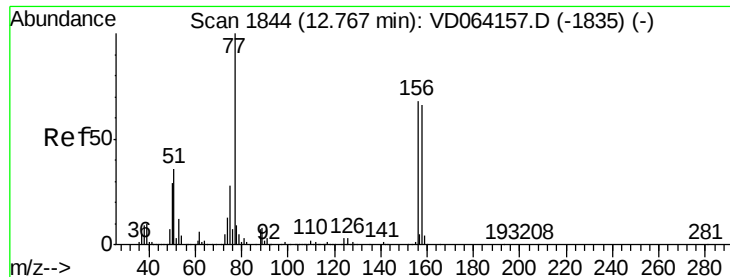
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.894 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

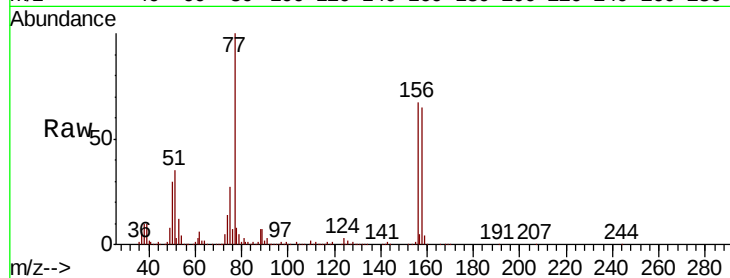
Tot Ion:156 Resp: 356551

Ion Ratio Lower Upper

156 100

77 162.5 81.2 243.4

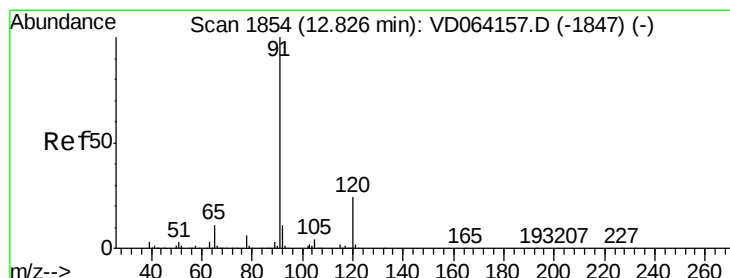
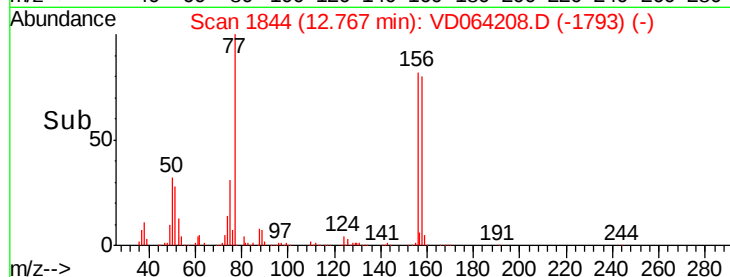
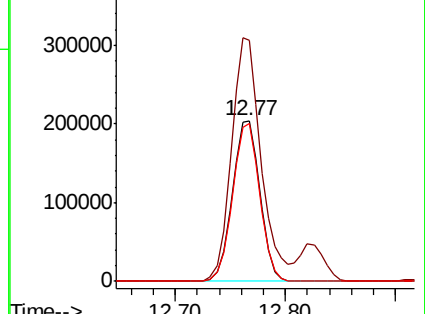
158 97.0 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.786 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064208.D

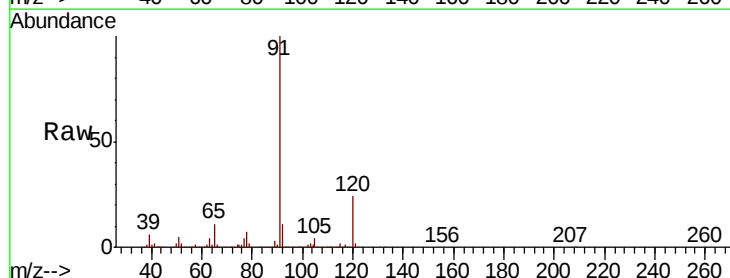
Acq: 14 Nov 2019 11:26

Tgt Ion: 91 Resp: 1775951

Ion Ratio Lower Upper

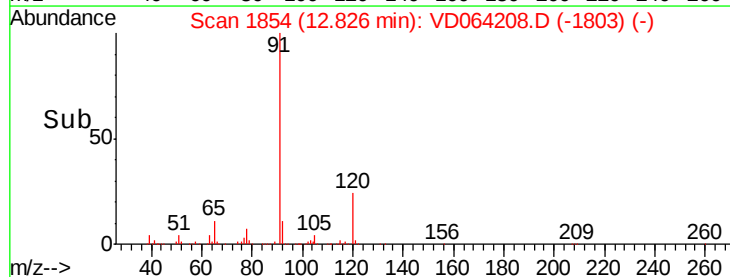
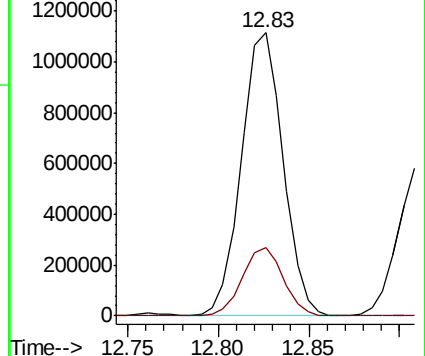
91 100

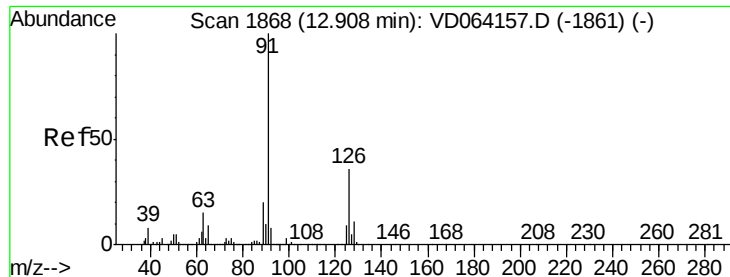
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

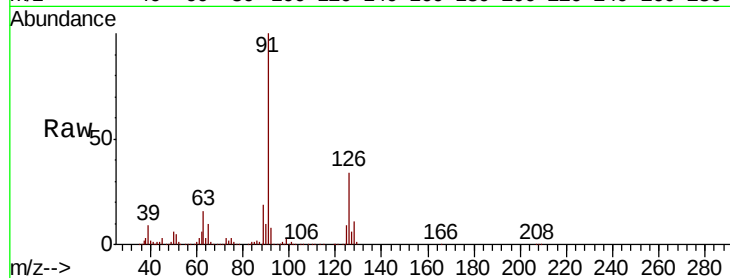




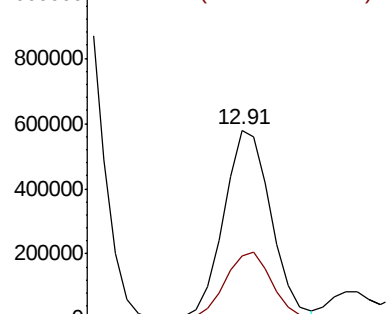
#79
 2-Chlorotoluene
 Concen: 50.232 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Instrument :
 MSVOA_D
 ClientSampleId :

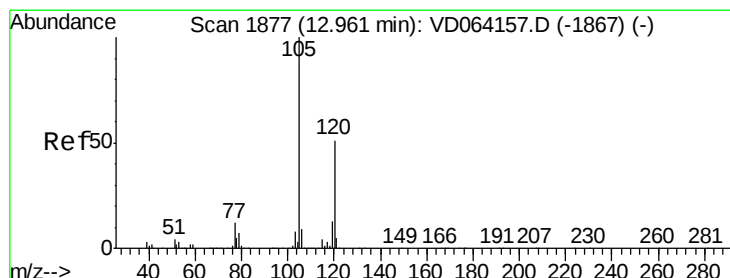
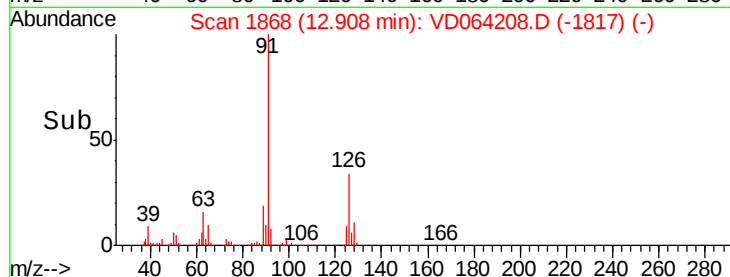
Tot Ion: 91 Resp: 972589
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

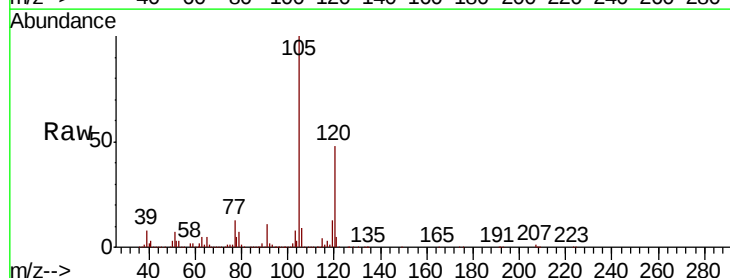


Time-->

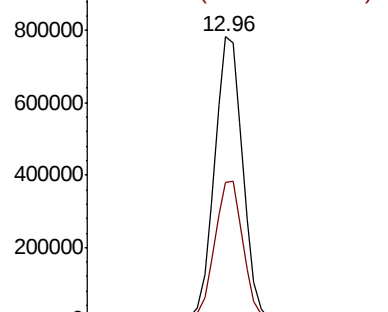


#80
 1,3,5-Trimethylbenzene
 Concen: 51.508 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

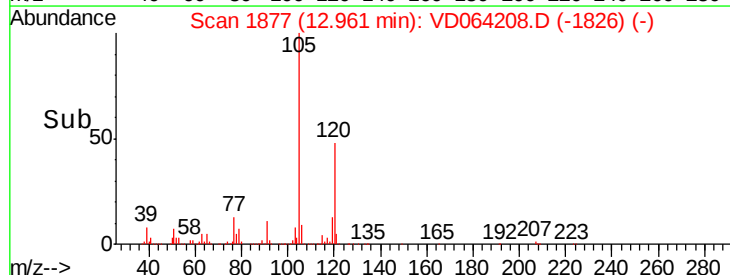
Tgt Ion: 105 Resp: 1270415
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.4 76.4

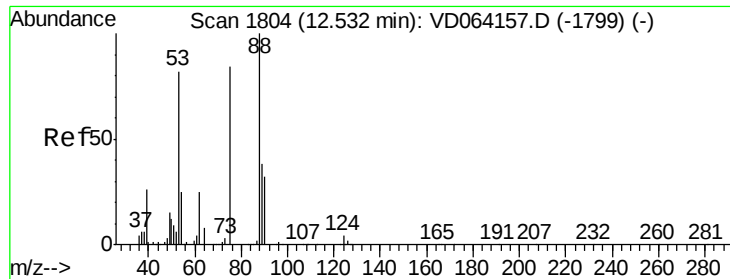


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time-->

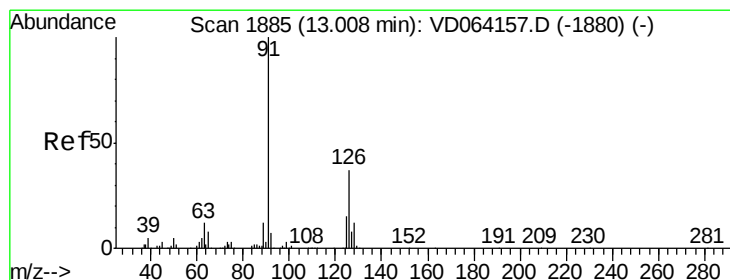
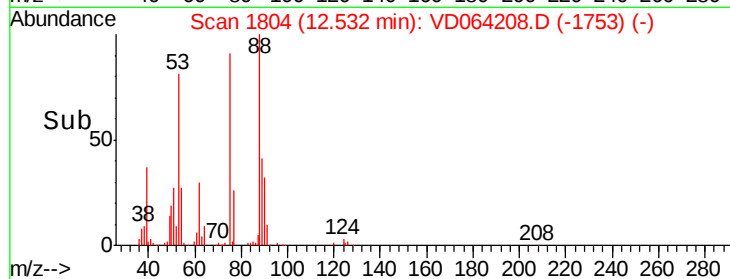
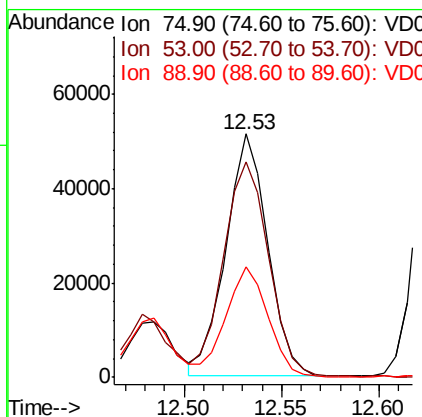
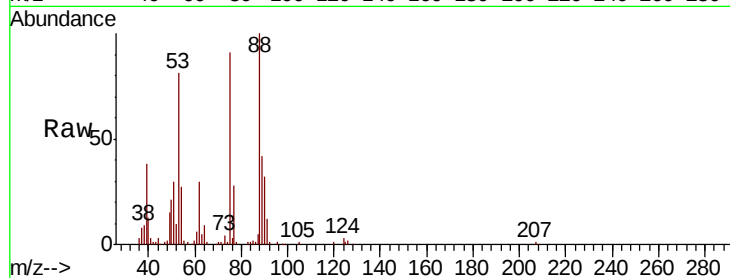




#81
trans-1,4-Dichloro-2-butene
Concen: 46.038 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

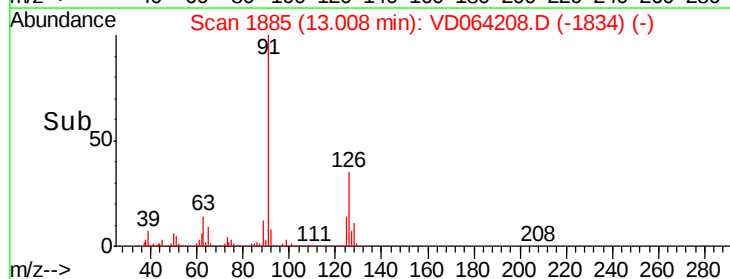
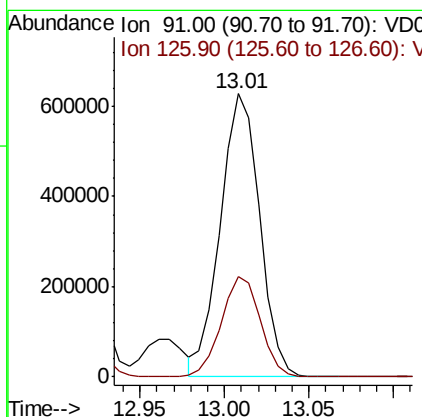
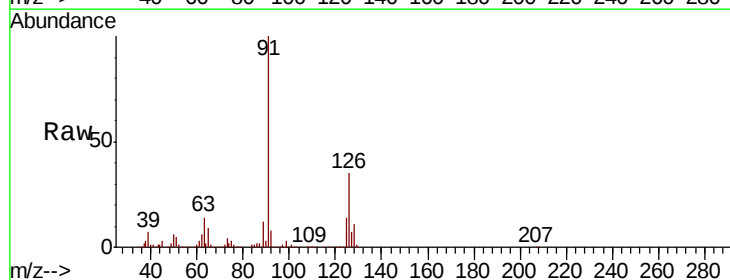
Instrument :
MSVOA_D
ClientSampleId :

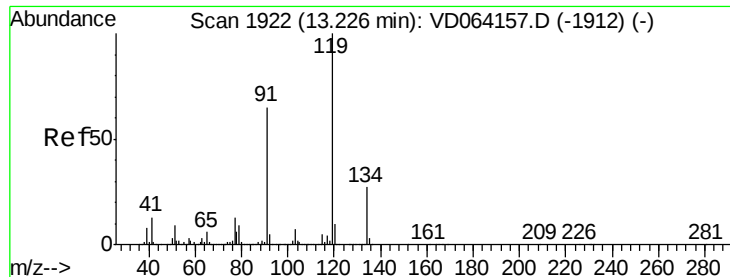
Tot Ion: 75 Resp: 76343
Ion Ratio Lower Upper
75 100
53 96.5 79.4 119.0
89 45.8 36.6 55.0



#82
4-Chlorotoluene
Concen: 50.291 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 91 Resp: 1015606
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.4

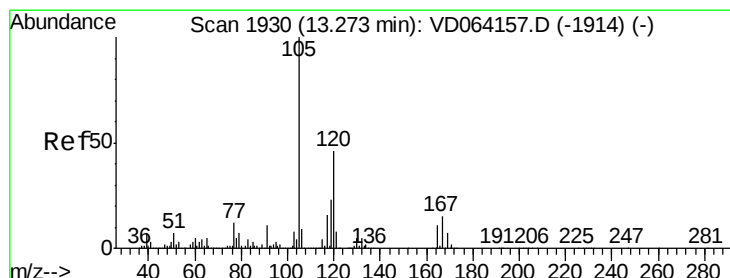
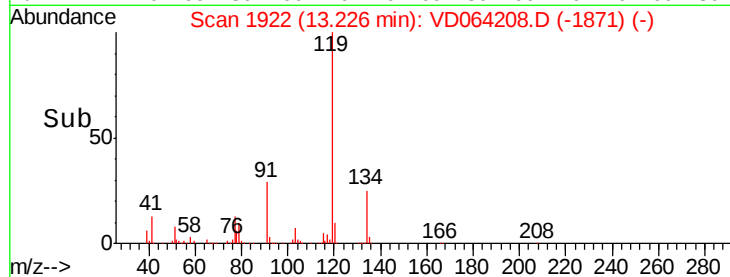
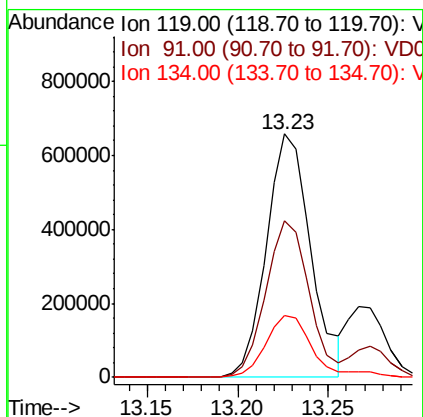
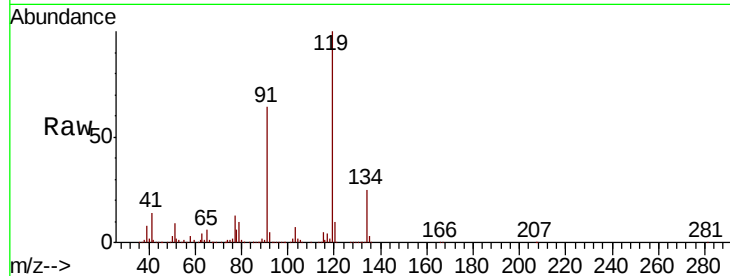




#83
tert-Butylbenzene
Concen: 51.632 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

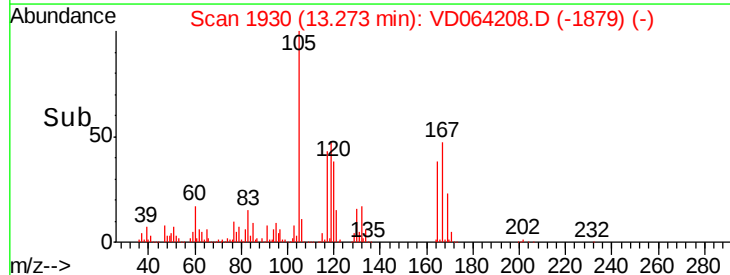
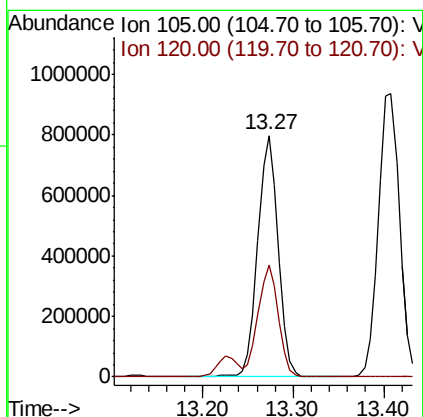
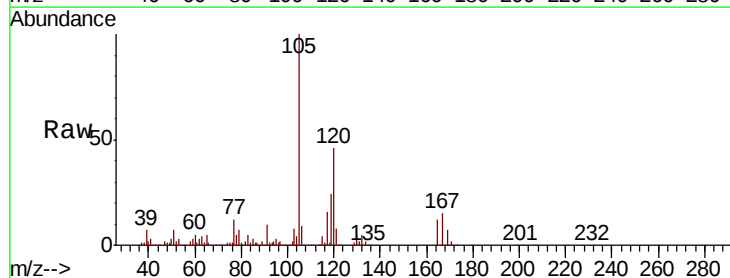
Instrument :
MSVOA_D
ClientSampled :

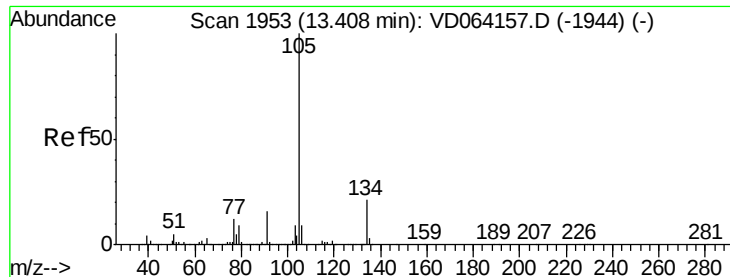
Tot Ion:119 Resp: 1122921
Ion Ratio Lower Upper
119 100
91 62.8 31.8 95.4
134 27.1 13.7 41.0



#84
1,2,4-Trimethylbenzene
Concen: 51.118 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion:105 Resp: 1244730
Ion Ratio Lower Upper
105 100
120 46.1 23.3 69.8

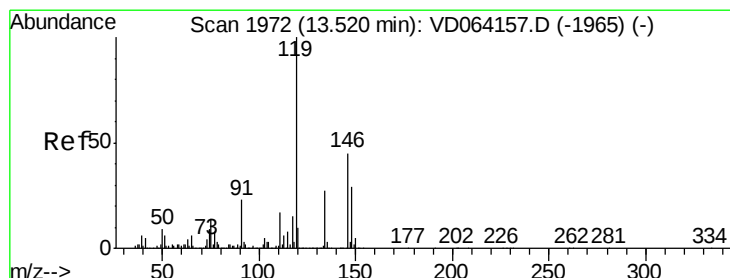
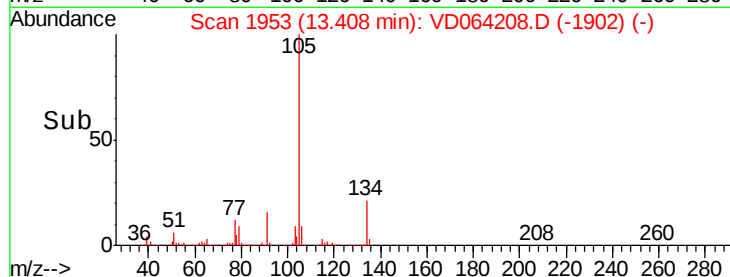
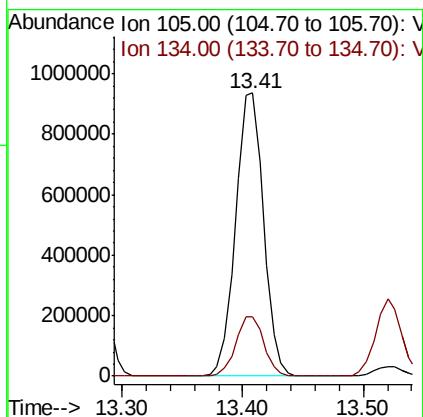
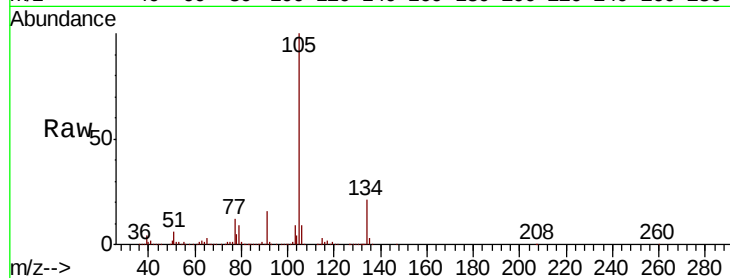




#85
 sec-Butylbenzene
 Concen: 51.821 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

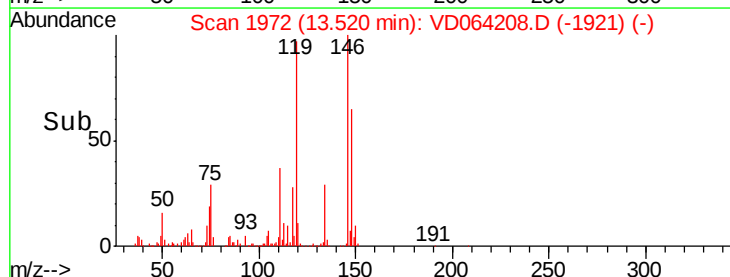
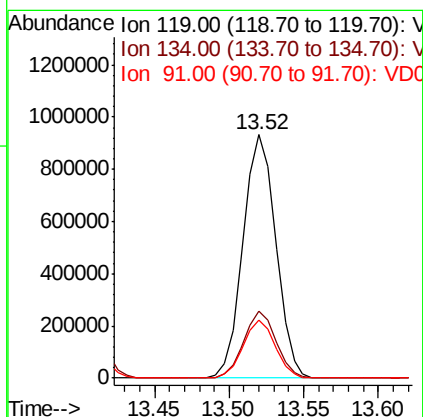
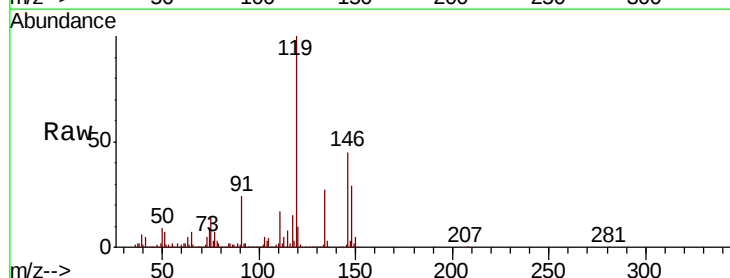
Instrument :
 MSVOA_D
 ClientSampleId :

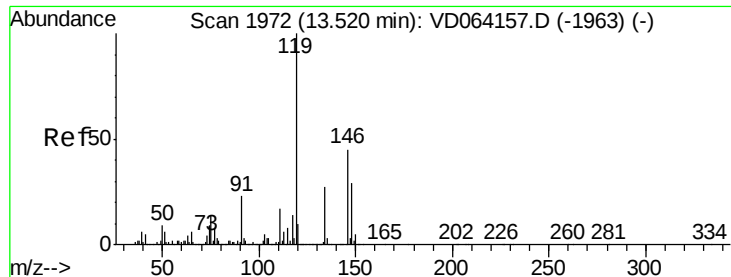
Tot Ion:105 Resp: 1513708
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 51.003 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion:119 Resp: 1416360
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 23.3 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 50.461 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

Instrument :

MSVOA_D

ClientSampleId :

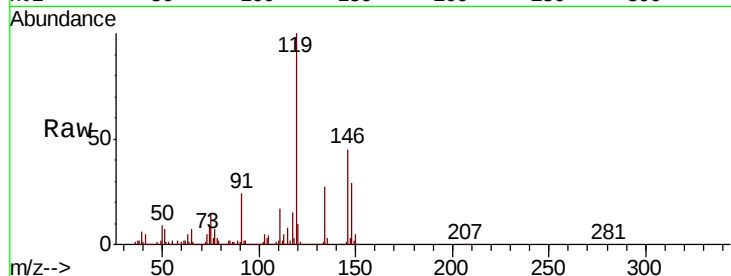
Tot Ion:146 Resp: 683062

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.9

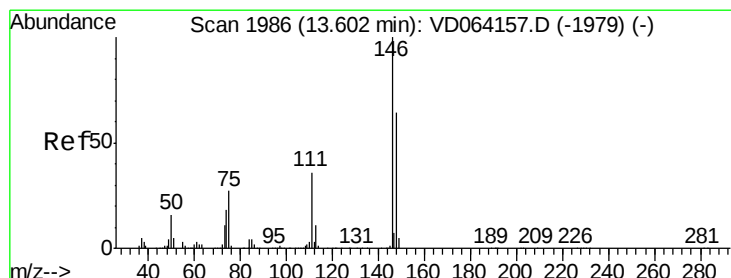
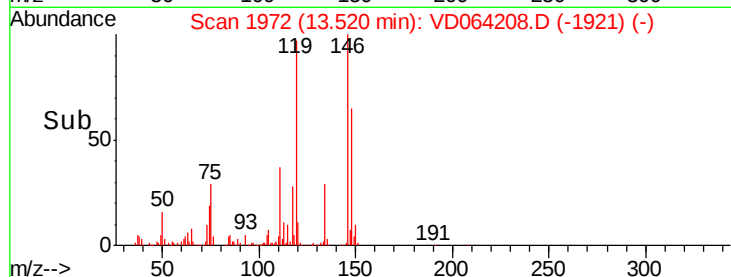
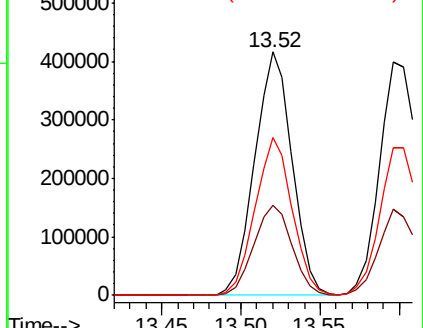
148 64.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.634 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD064208.D

Acq: 14 Nov 2019 11:26

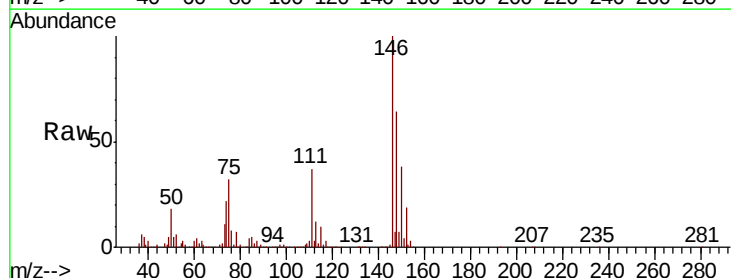
Tgt Ion:146 Resp: 668951

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.4

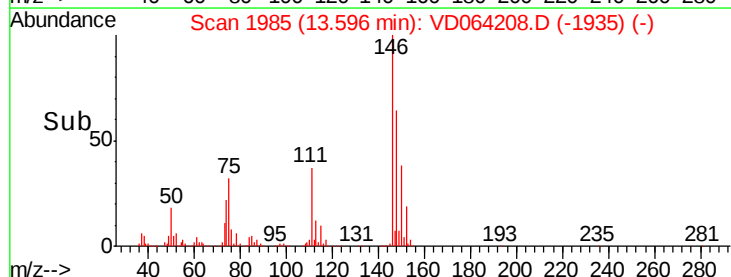
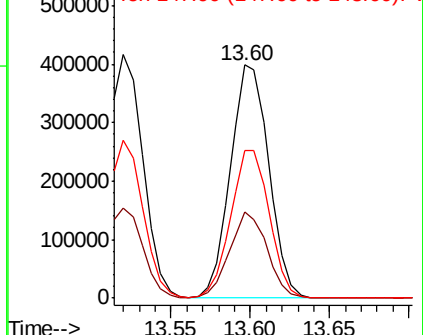
148 64.0 31.9 95.7

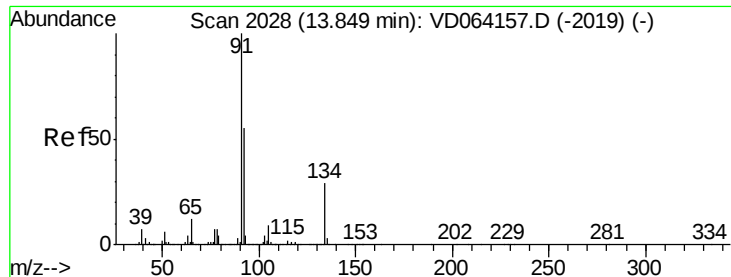


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

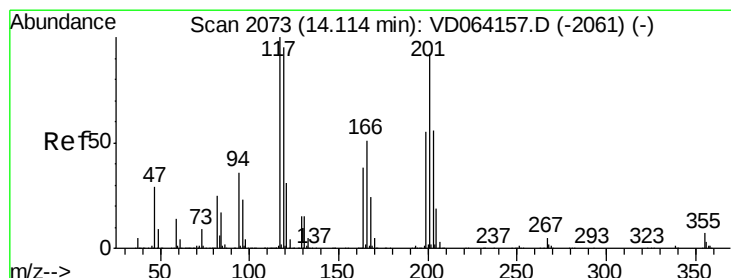
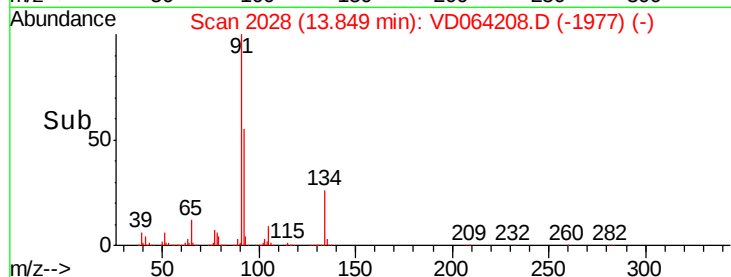
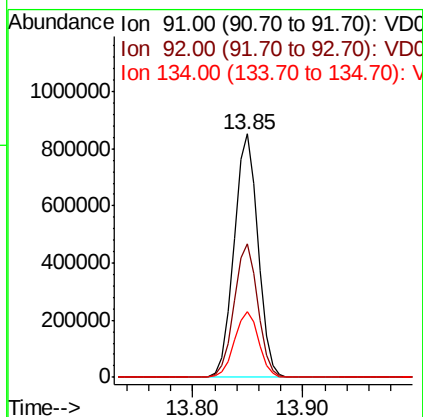
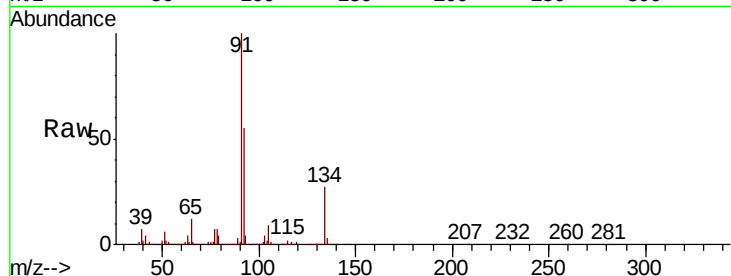




#89
n-Butylbenzene
Concen: 51.550 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

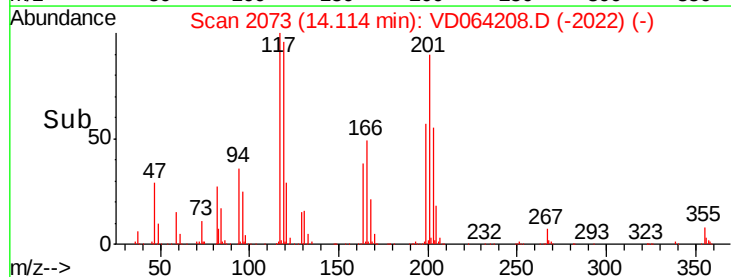
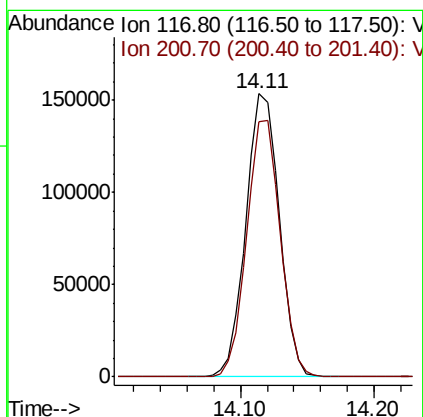
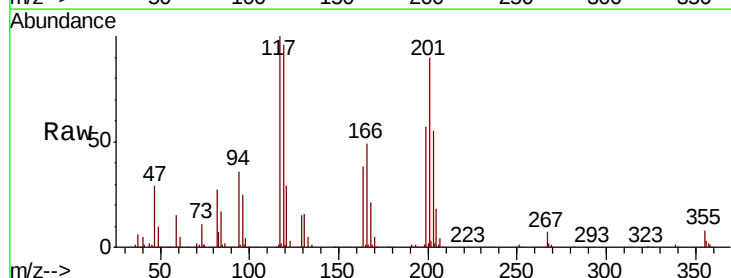
Instrument :
MSVOA_D
ClientSampleId :

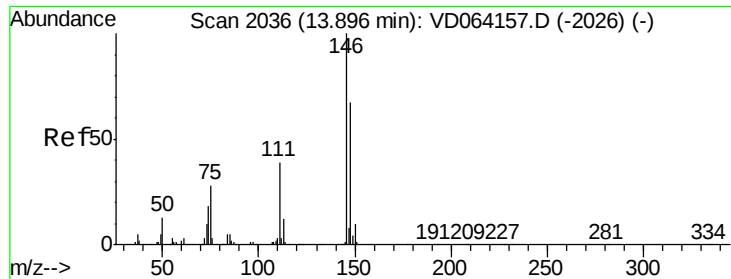
Tot Ion: 91 Resp: 1293344
Ion Ratio Lower Upper
91 100
92 54.6 27.3 81.8
134 27.4 14.1 42.4



#90
Hexachloroethane
Concen: 51.825 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion: 117 Resp: 265979
Ion Ratio Lower Upper
117 100
201 90.5 45.8 137.4

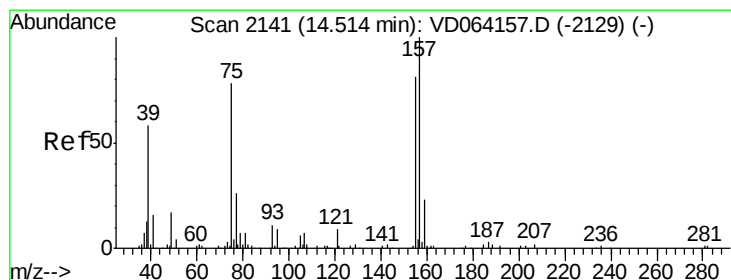
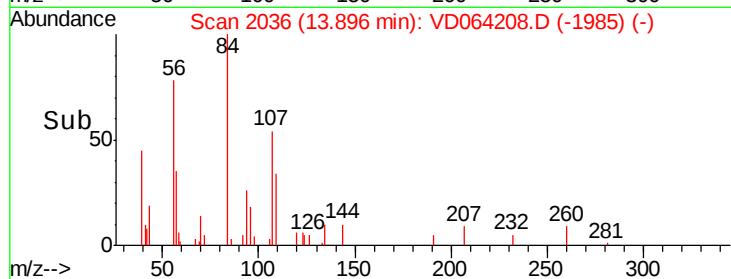
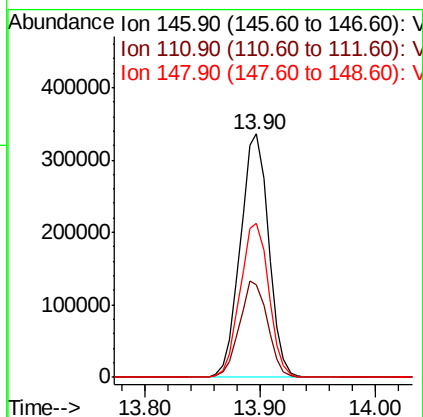
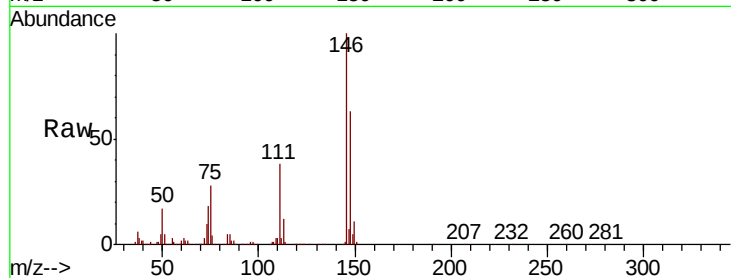




#91
 1,2-Dichlorobenzene
 Concen: 49.931 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

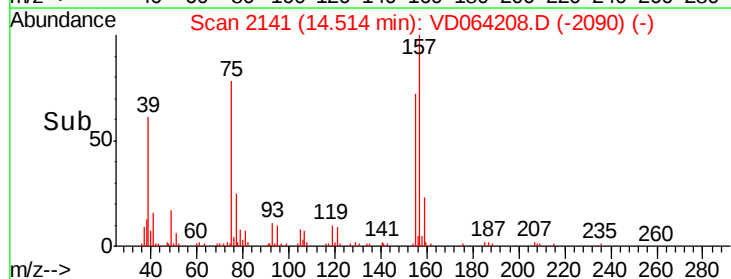
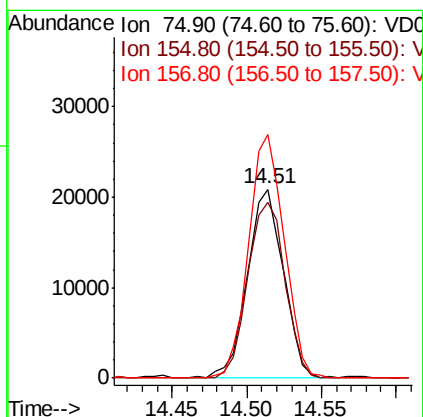
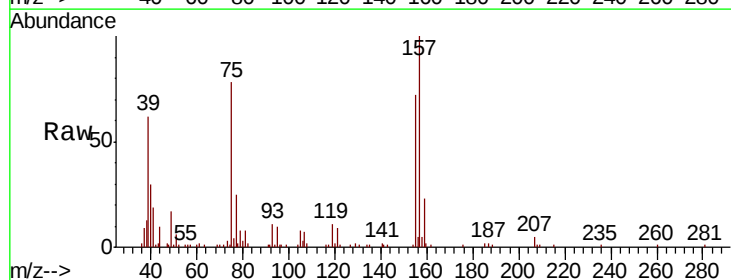
Instrument :
 MSVOA_D
 ClientSampled :

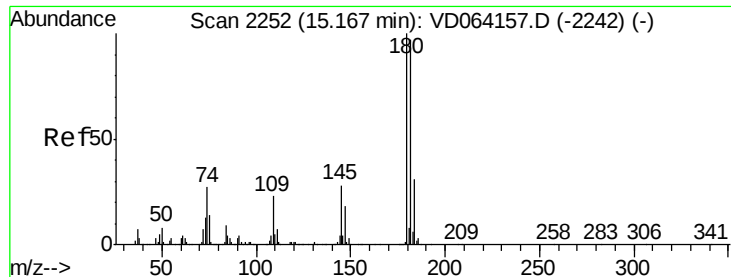
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.0	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.104 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.0	144.0
157	126.8	61.5	184.4

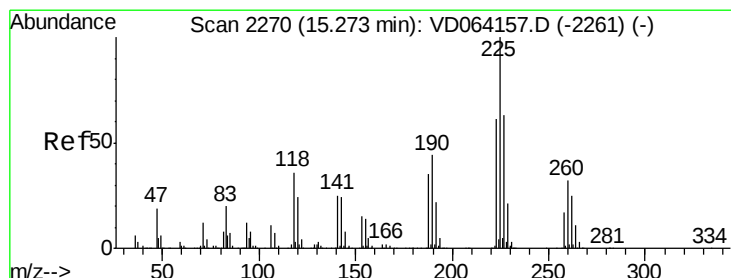
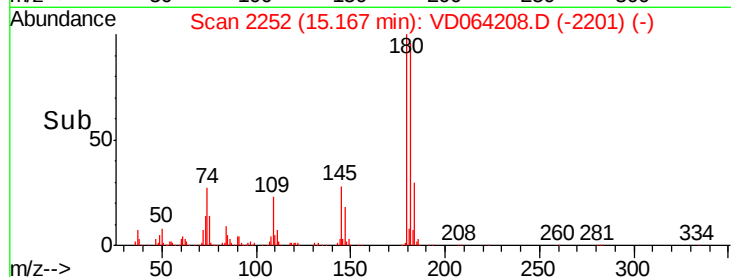
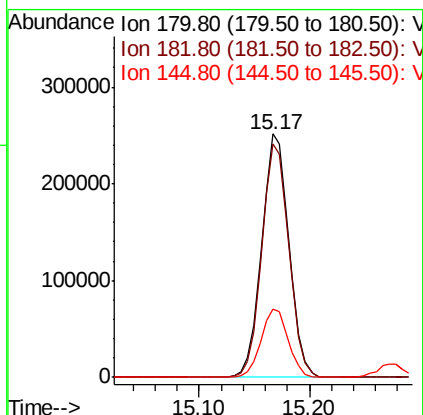
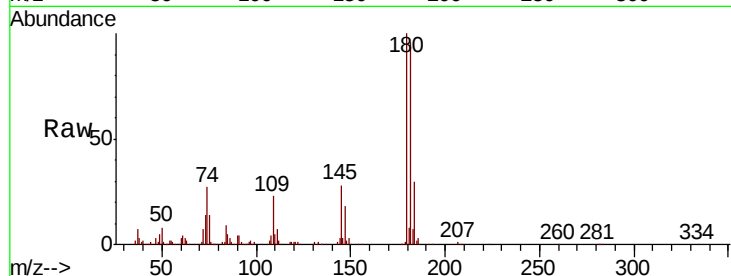




#93
 1,2,4-Trichlorobenzene
 Concen: 49.103 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

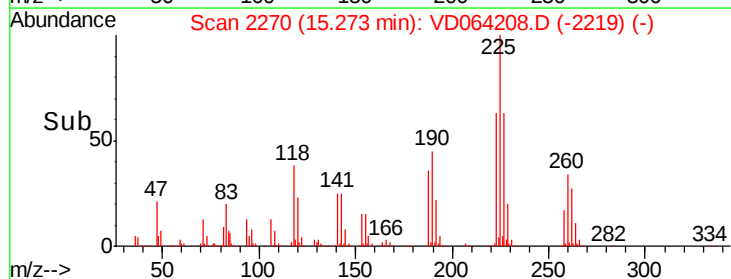
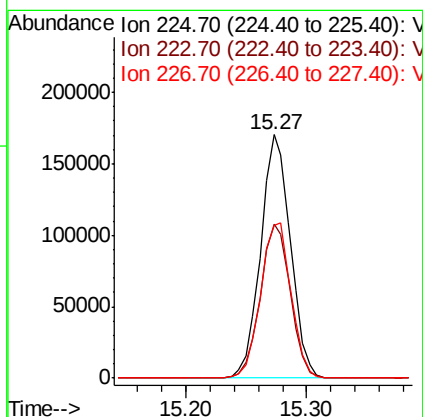
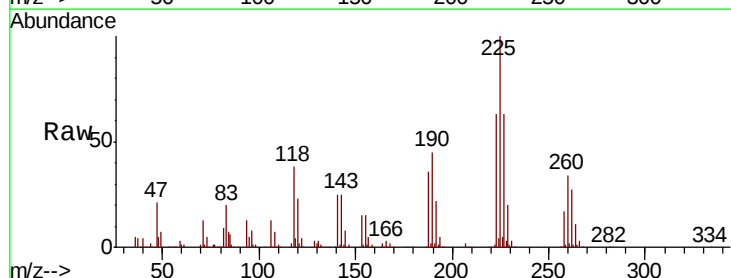
Instrument :
 MSVOA_D
 ClientSampleId :

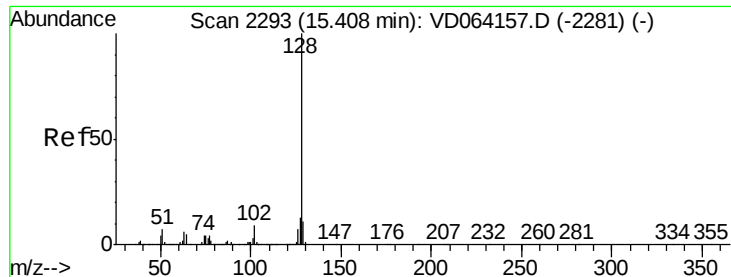
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.5
145	28.0	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 50.728 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064208.D
 Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.3
227	65.3	31.5	94.5

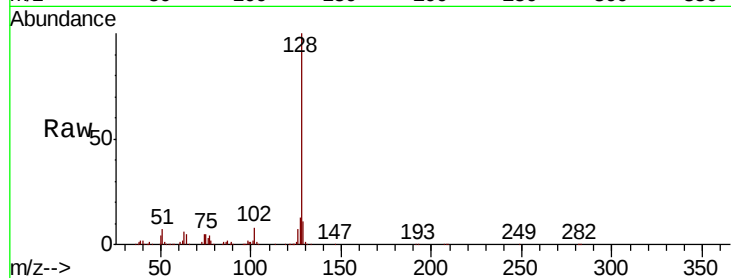




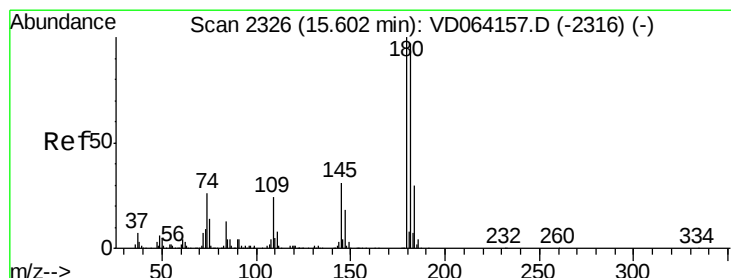
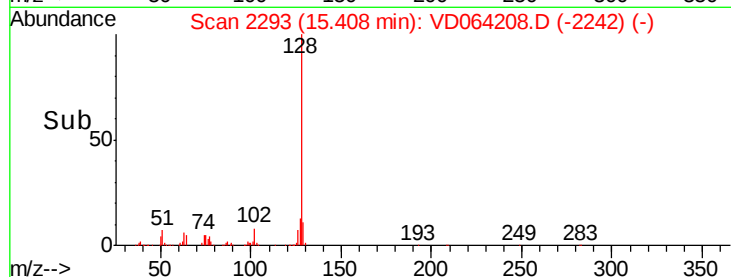
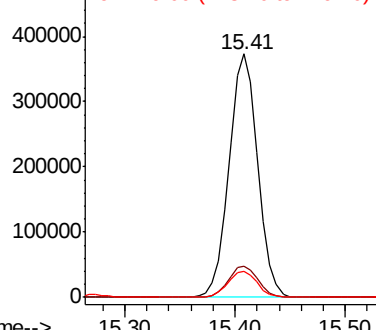
#95
Naphthalene
Concen: 46.741 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	13.0

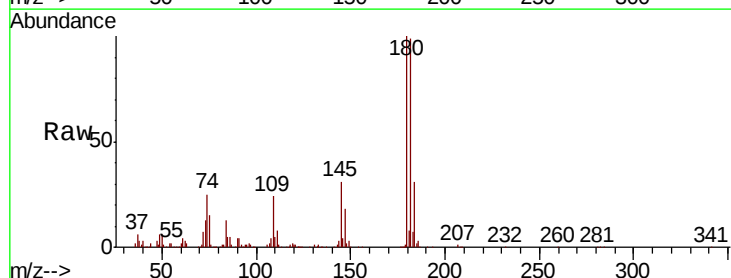


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.166 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064208.D
Acq: 14 Nov 2019 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.3	144.9
145	29.8	15.3	45.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

