

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064926.D
 Acq On : 22 Jan 2020 19:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 23:19:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	382827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	563006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	261539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	195547	57.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.86%	
35) Dibromofluoromethane	7.92	113	187898	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
50) Toluene-d8	10.34	98	686050	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.64	95	229417	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	115485	38.817	ug/l	97
3) Chloromethane	2.21	50	189514	45.547	ug/l	99
4) Vinyl Chloride	2.35	62	221766	43.713	ug/l	94
5) Bromomethane	2.76	94	151585	41.094	ug/l	94
6) Chloroethane	2.92	64	158019	46.485	ug/l	97
7) Trichlorofluoromethane	3.27	101	373210	43.690	ug/l	100
8) Diethyl Ether	3.71	74	95674	56.402	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180471	51.014	ug/l	97
10) Methyl Iodide	4.30	142	183581	48.310	ug/l	100
11) Tert butyl alcohol	5.24	59	63638	328.940	ug/l	99
12) 1,1-Dichloroethene	4.06	96	160647	47.697	ug/l	99
13) Acrolein	3.92	56	67551	250.540	ug/l	98
14) Allyl chloride	4.71	41	282072	53.715	ug/l	99
15) Acrylonitrile	5.43	53	236411	334.592	ug/l	99
16) Acetone	4.16	43	197508	281.751	ug/l	97
17) Carbon Disulfide	4.40	76	450249	41.343	ug/l	99
18) Methyl Acetate	4.73	43	122773	64.600	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	463168	61.913	ug/l	97
20) Methylene Chloride	4.96	84	205547	60.570	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	195226	50.897	ug/l	98
22) Diisopropyl ether	6.37	45	633640	60.496	ug/l	98
23) Vinyl Acetate	6.31	43	1902433	320.194	ug/l	100
24) 1,1-Dichloroethane	6.27	63	357587	56.869	ug/l	98
25) 2-Butanone	7.23	43	300444	323.787	ug/l	95
26) 2,2-Dichloropropane	7.21	77	313982	53.707	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	226396	54.690	ug/l	97
28) Bromochloromethane	7.55	49	148145	60.609	ug/l	99
29) Tetrahydrofuran	7.57	42	191471	331.815	ug/l	98
30) Chloroform	7.71	83	378900	57.435	ug/l	99
31) Cyclohexane	7.99	56	284528	45.205	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	336273	54.269	ug/l	99
36) 1,1-Dichloropropene	8.11	75	277931	51.289	ug/l	98
37) Ethyl Acetate	7.30	43	140782	66.131	ug/l	99
38) Carbon Tetrachloride	8.10	117	301468	52.174	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	307115	46.793	ug/l	97
40) Benzene	8.36	78	793510	53.641	ug/l	99
41) Methacrylonitrile	7.53	41	74874	60.619	ug/l	91
42) 1,2-Dichloroethane	8.43	62	255431	59.752	ug/l	97
43) Isopropyl Acetate	8.46	43	267060	63.027	ug/l	100
44) Trichloroethene	9.12	130	220345	50.704	ug/l	96
45) 1,2-Dichloropropane	9.39	63	204738	57.966	ug/l	96
46) Dibromomethane	9.48	93	117283	59.558	ug/l	99
47) Bromodichloromethane	9.67	83	307538	58.690	ug/l	98
48) Methyl methacrylate	9.46	41	128070	64.191	ug/l	97
49) 1,4-Dioxane	9.47	88	30095	1325.388	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	701917	335.142	ug/l	99
52) Toluene	10.41	92	522468	53.833	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	291911	59.752	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	330545	57.381	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	158464	59.711	ug/l	97
56) Ethyl methacrylate	10.67	69	207904	62.728	ug/l	97
57) 1,3-Dichloropropane	10.95	76	279858	61.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	353557	279.992	ug/l	99
59) 2-Hexanone	10.99	43	478981	336.954	ug/l	99
60) Dibromochloromethane	11.14	129	218621	59.570	ug/l	100
61) 1,2-Dibromoethane	11.25	107	152057	58.091	ug/l	98
64) Tetrachloroethene	10.88	164	186618	46.921	ug/l	99
65) Chlorobenzene	11.68	112	561715	52.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	227665	56.126	ug/l	98
67) Ethyl Benzene	11.75	91	1000899	51.250	ug/l	100
68) m/p-Xylenes	11.86	106	776743	103.042	ug/l	98
69) o-Xylene	12.18	106	354350	52.043	ug/l	99
70) Styrene	12.20	104	652906	54.630	ug/l	99
71) Bromoform	12.37	173	132255	57.174	ug/l #	100
73) Isopropylbenzene	12.48	105	951451	50.907	ug/l	100
74) N-amyl acetate	12.30	43	243654	60.985	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	176354	60.065	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	233182	112.906	ug/l #	100
77) Bromobenzene	12.77	156	241393	52.563	ug/l	96
78) n-propylbenzene	12.83	91	1126739	51.675	ug/l	98
79) 2-Chlorotoluene	12.91	91	628358	52.459	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	787583	51.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59916	60.676	ug/l	98
82) 4-Chlorotoluene	13.01	91	666886	52.317	ug/l	100
83) tert-Butylbenzene	13.23	119	672012	50.412	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	796125	52.066	ug/l	99
85) sec-Butylbenzene	13.41	105	930203	50.900	ug/l	99
86) p-Isopropyltoluene	13.53	119	873062	49.962	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	464862	53.098	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	444174	51.646	ug/l	99
89) n-Butylbenzene	13.86	91	792848	50.383	ug/l	99
90) Hexachloroethane	14.12	117	169439	50.761	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	396773	53.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28691	60.279	ug/l	91

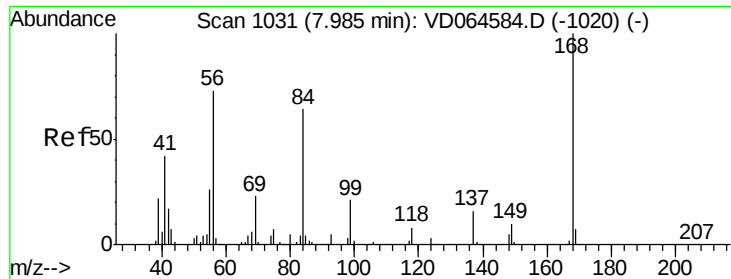
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278426	50.653	ug/l	99
94) Hexachlorobutadiene	15.28	225	163349	47.225	ug/l	98
95) Naphthalene	15.41	128	491422	56.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	247509	52.745	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

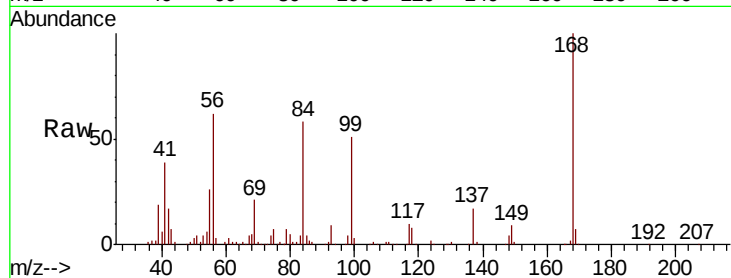
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 382827

Ion Ratio Lower Upper

168 100

99 50.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

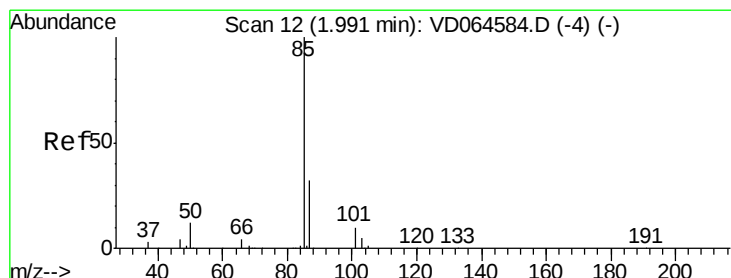
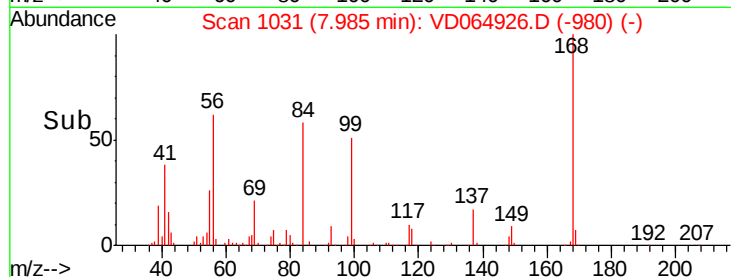
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.817 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064926.D

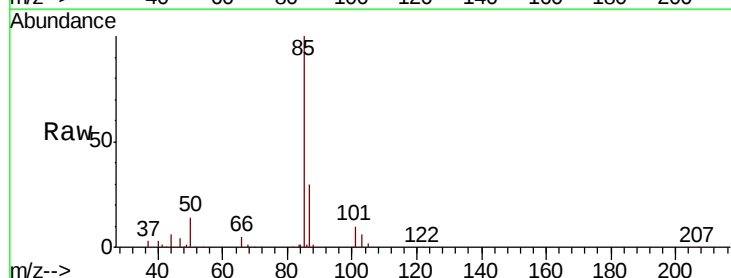
Acq: 22 Jan 2020 19:29

Tgt Ion: 85 Resp: 115485

Ion Ratio Lower Upper

85 100

87 30.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

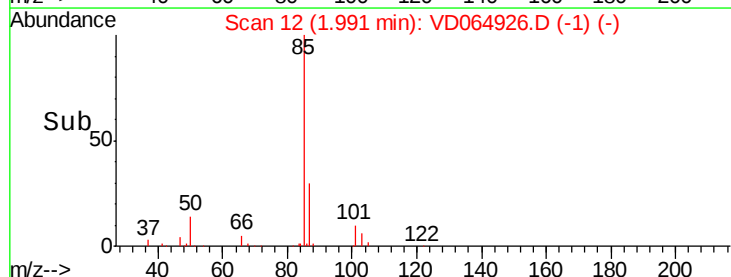
40000

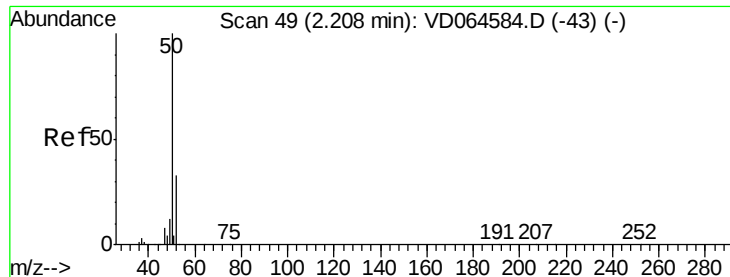
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 45.547 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

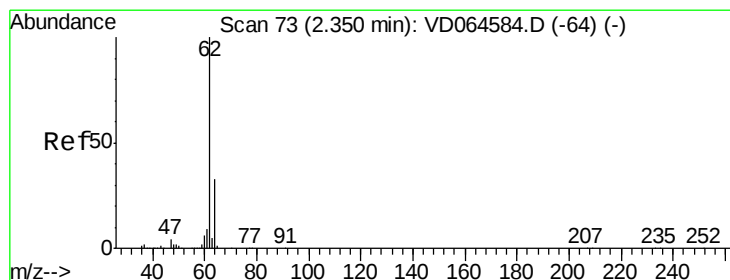
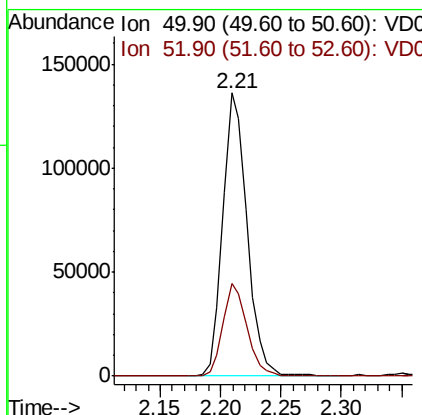
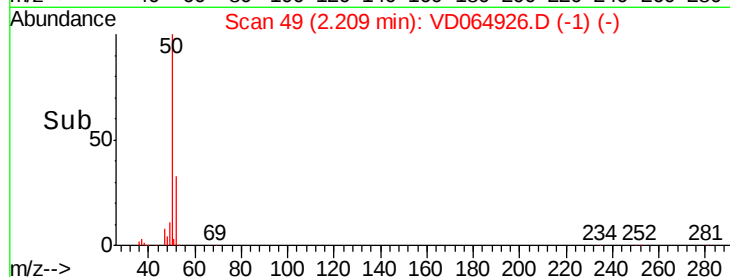
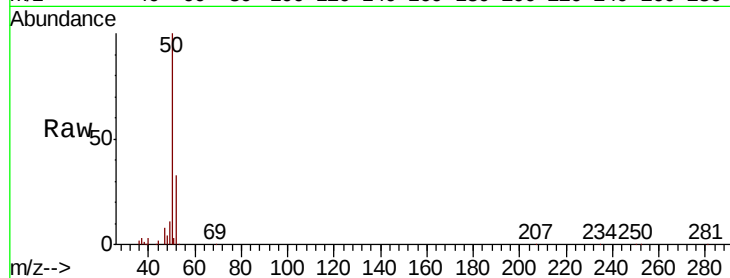
ClientSampled :

Tot Ion: 50 Resp: 189514

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 43.713 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064926.D

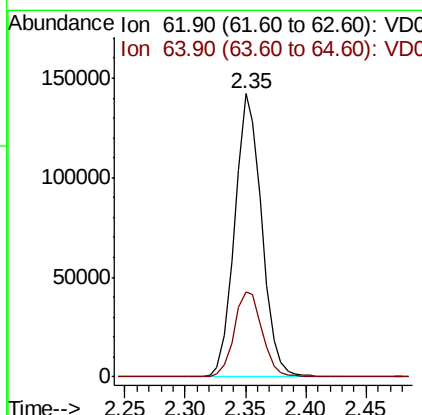
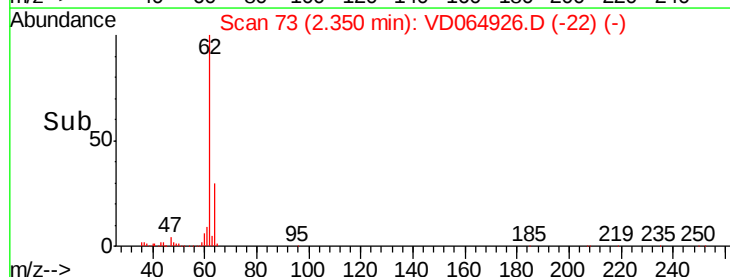
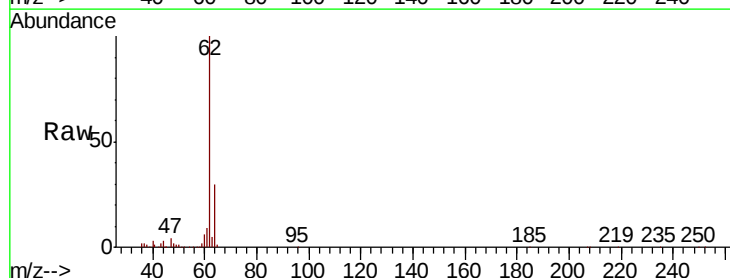
Acq: 22 Jan 2020 19:29

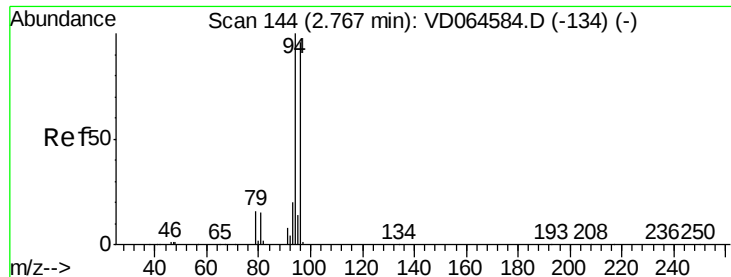
Tgt Ion: 62 Resp: 221766

Ion Ratio Lower Upper

62 100

64 30.0 26.6 40.0





#5

Bromomethane

Concen: 41.094 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

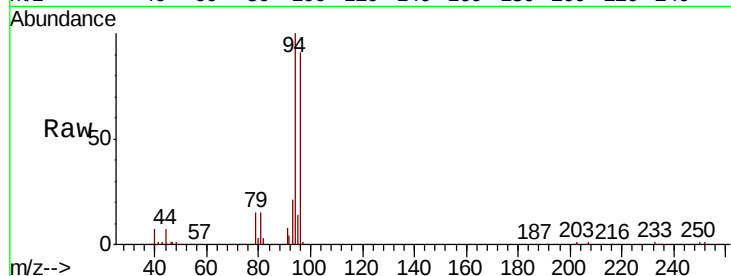
ClientSampleId :

Tot Ion: 94 Resp: 151585

Ion Ratio Lower Upper

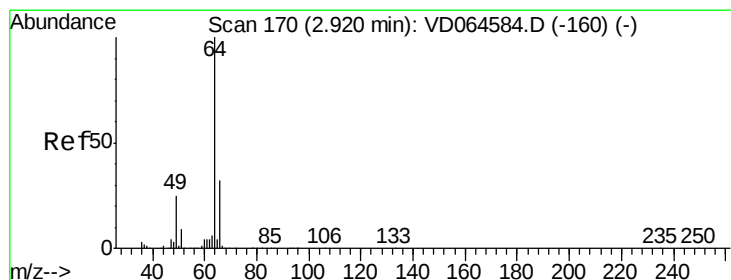
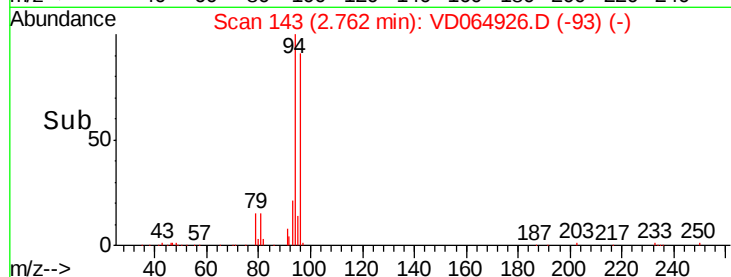
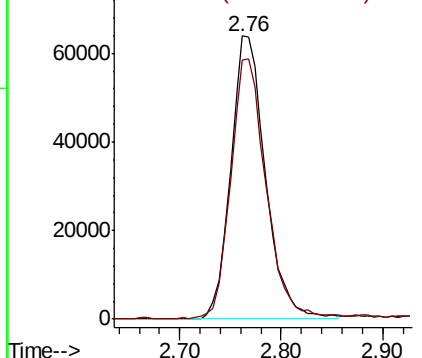
94 100

96 91.1 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.485 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064926.D

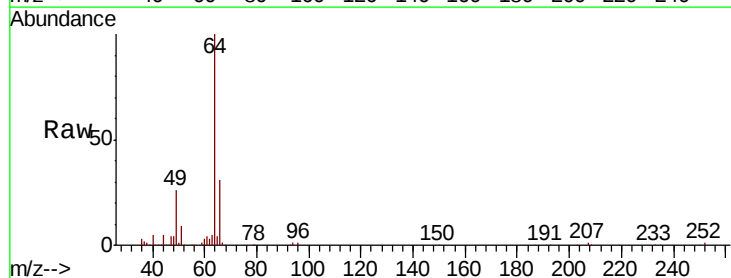
Acq: 22 Jan 2020 19:29

Tgt Ion: 64 Resp: 158019

Ion Ratio Lower Upper

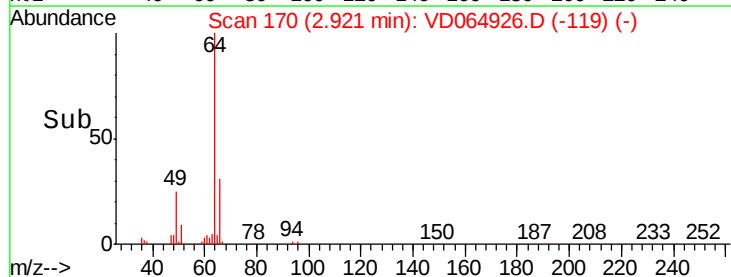
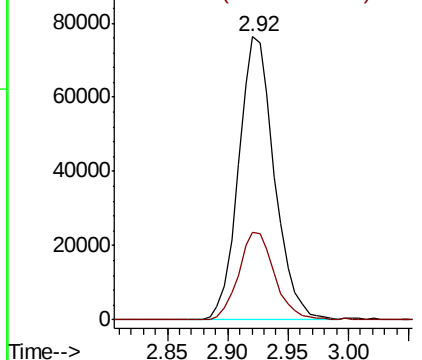
64 100

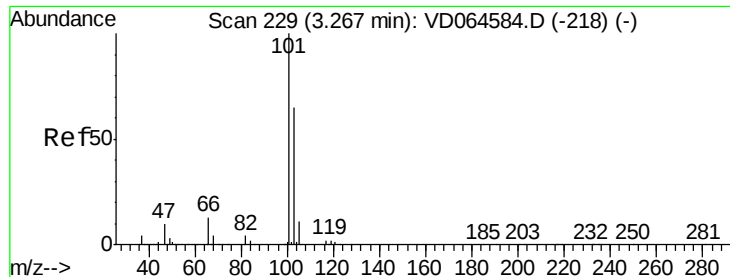
66 30.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



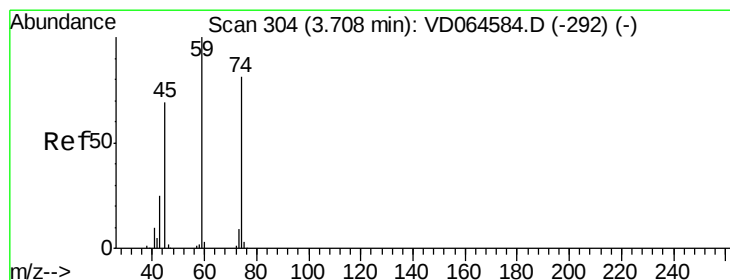
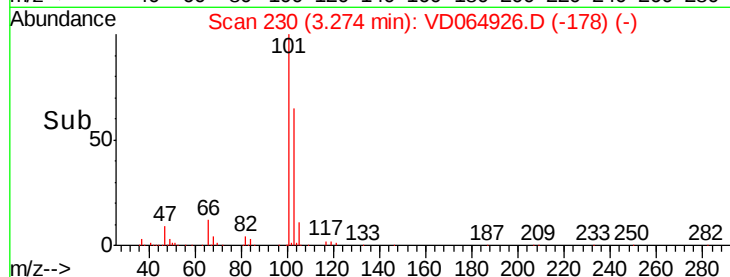
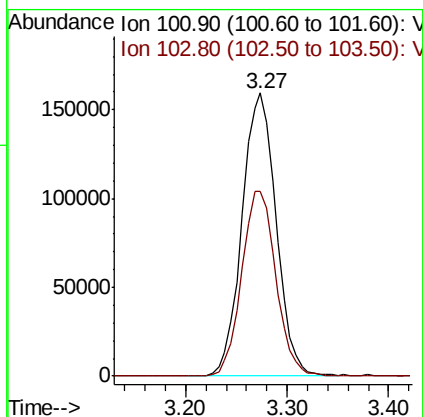
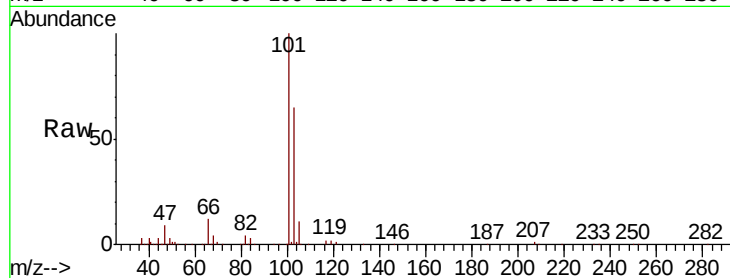


#7

Trichlorofluoromethane
Concen: 43.690 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :

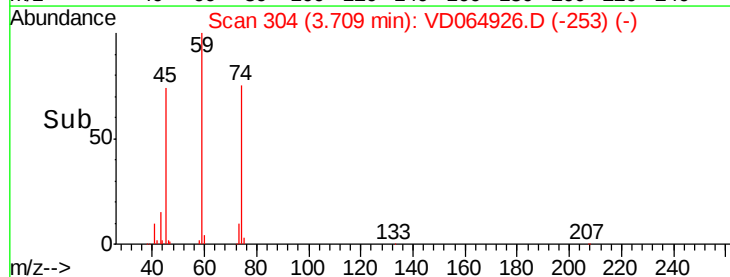
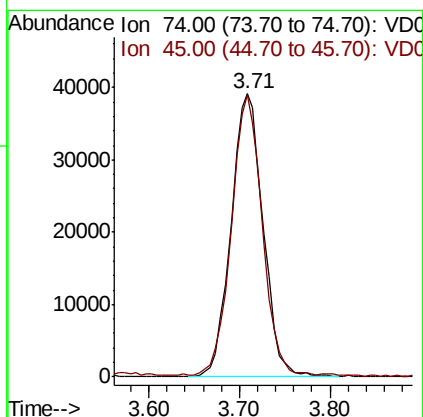
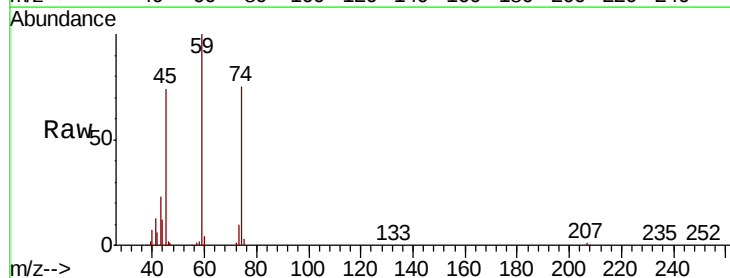
Tot Ion:101 Resp: 373210
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

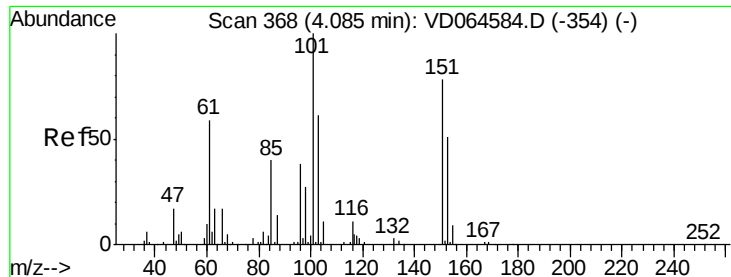


#8

Diethyl Ether
Concen: 56.402 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 74 Resp: 95674
Ion Ratio Lower Upper
74 100
45 95.7 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.014 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

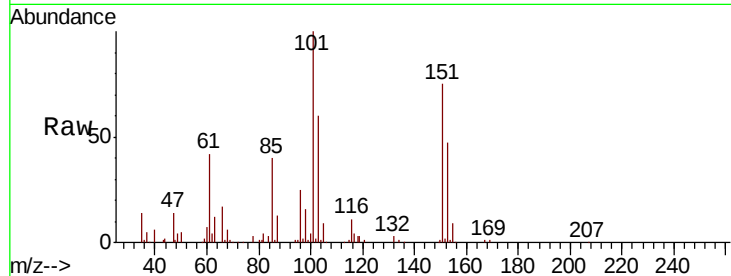
Tot Ion:101 Resp: 180471

Ion Ratio Lower Upper

101 100

85 44.2 35.2 52.8

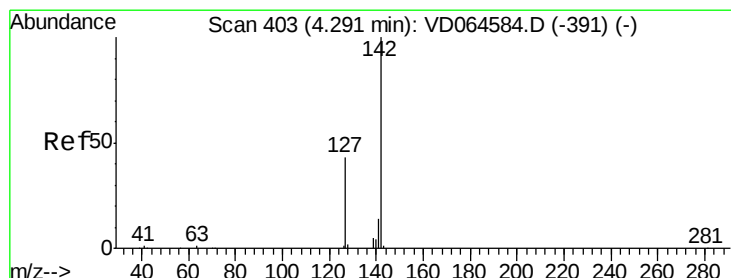
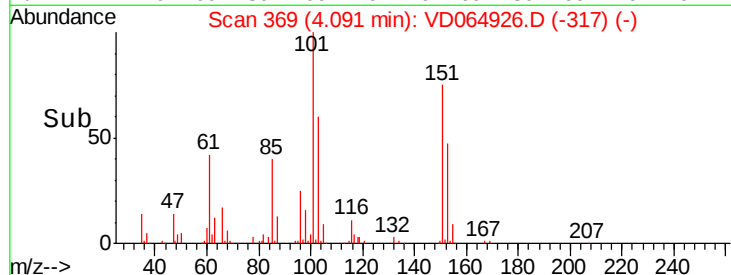
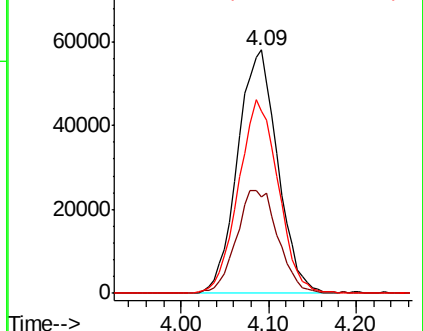
151 79.1 66.2 99.4



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: 48.310 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

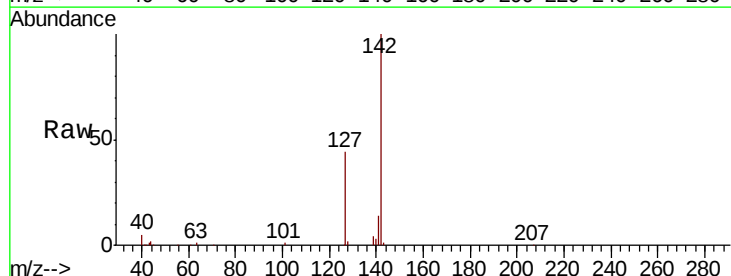
Tgt Ion:142 Resp: 183581

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.4

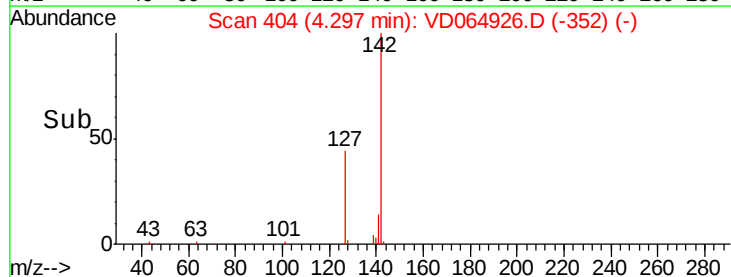
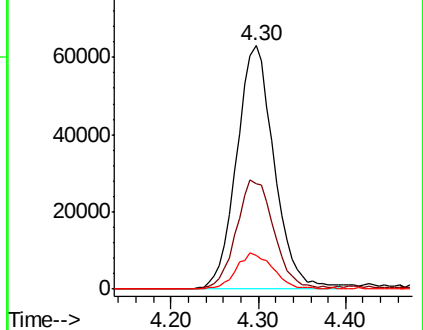
141 14.6 11.8 17.8



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

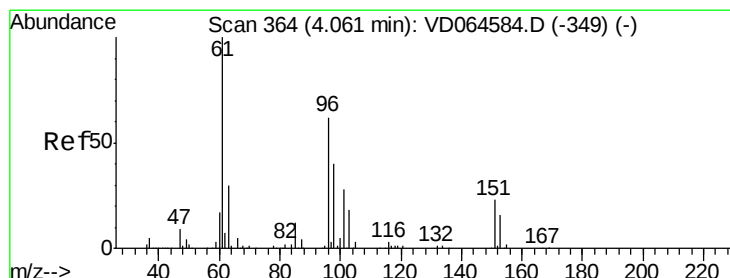
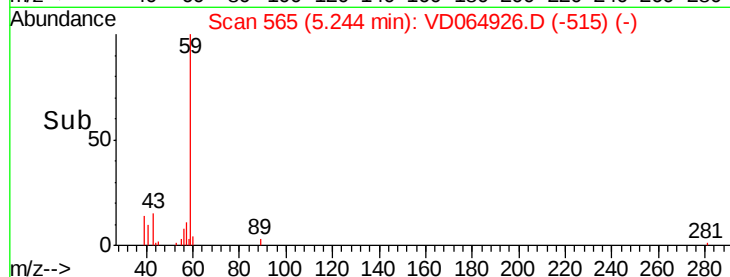
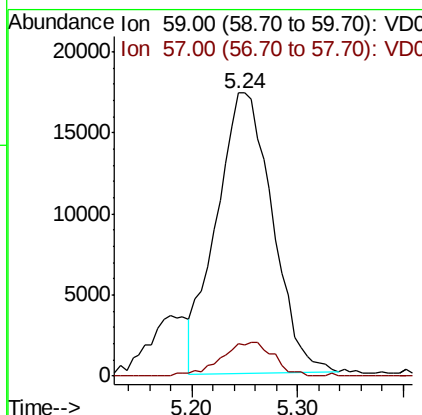
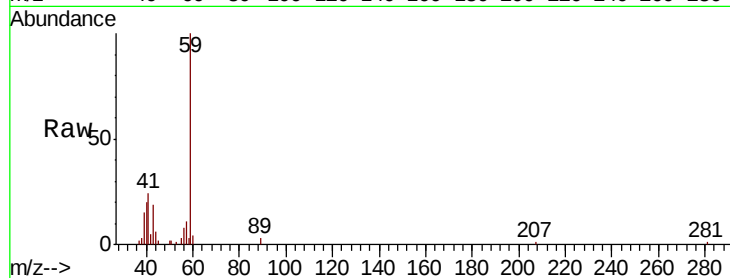




#11
Tert butyl alcohol
Concen: 328.940 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

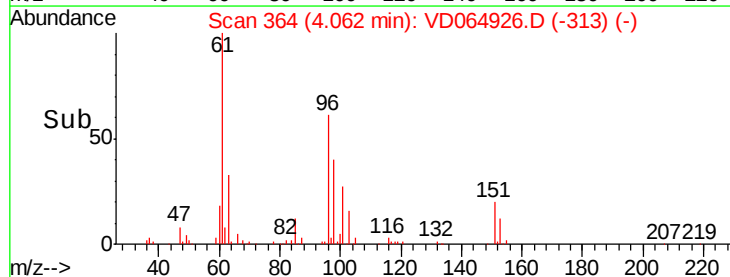
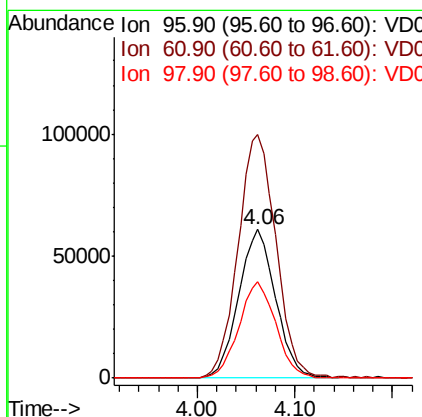
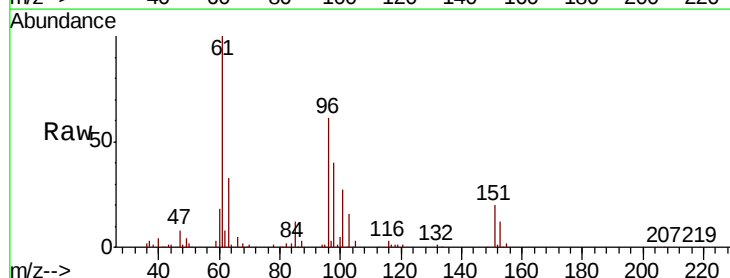
Instrument :
MSVOA_D
ClientSampleId :

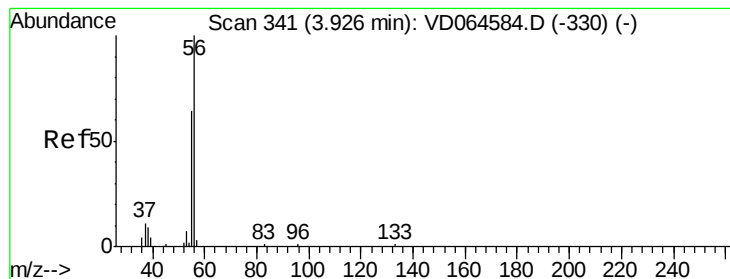
Tot Ion: 59 Resp: 63638
Ion Ratio Lower Upper
59 100
57 11.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 47.697 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 96 Resp: 160647
Ion Ratio Lower Upper
96 100
61 163.6 129.4 194.0
98 65.1 51.4 77.0





#13

Acrolein

Concen: 250.540 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

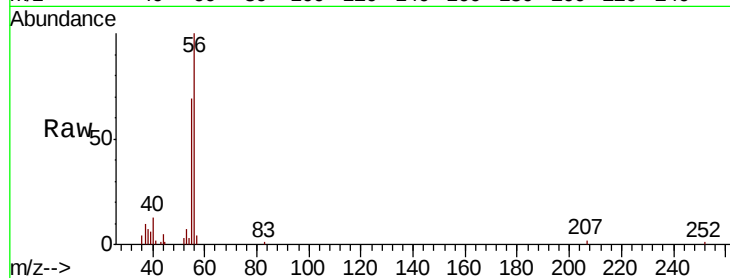
ClientSampleId :

Tot Ion: 56 Resp: 67551

Ion Ratio Lower Upper

56 100

55 72.9 56.7 85.1

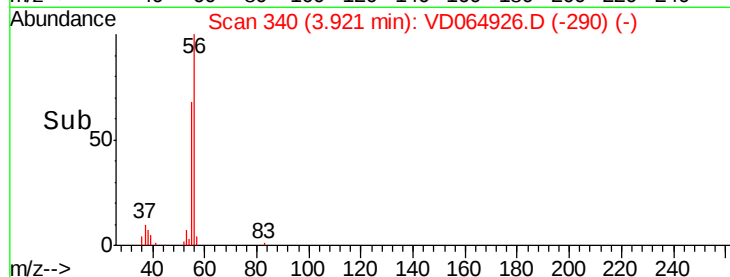


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



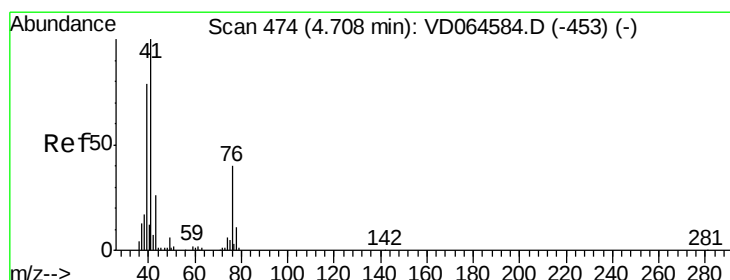
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



#14

Allyl chloride

Concen: 53.715 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

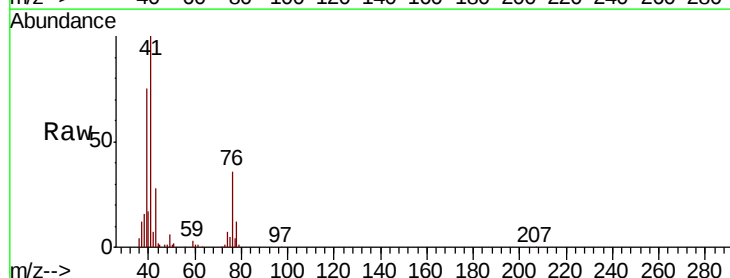
Tgt Ion: 41 Resp: 282072

Ion Ratio Lower Upper

41 100

39 76.4 62.3 93.5

76 36.6 29.7 44.5



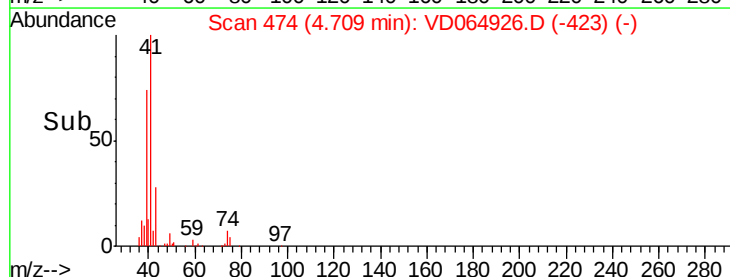
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Abundance

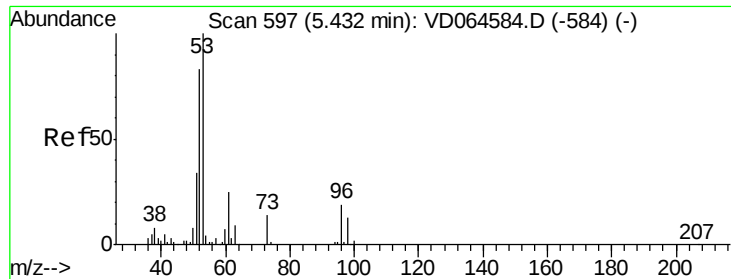
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

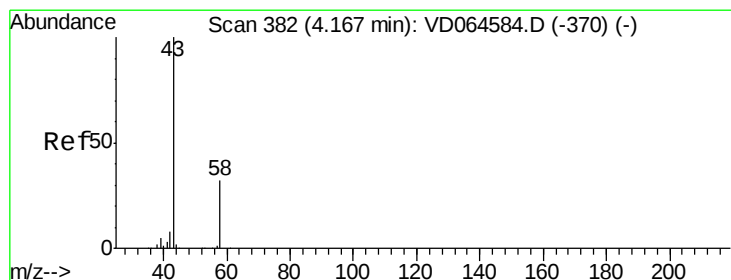
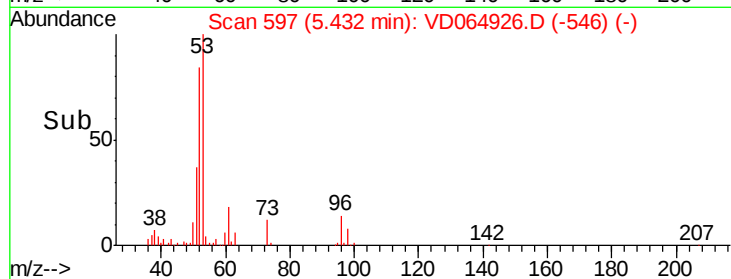
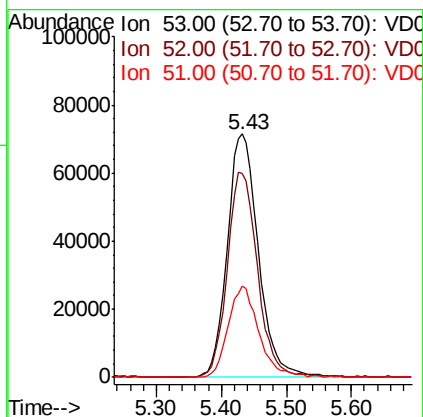
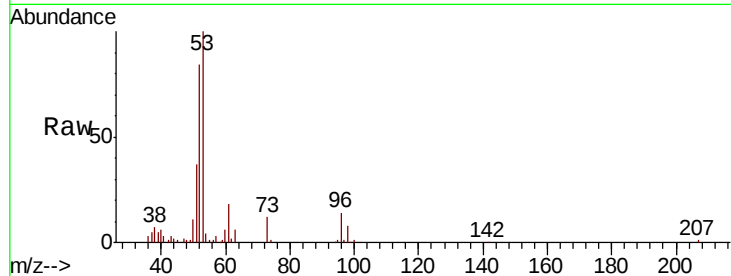
Time-->



#15
 Acrylonitrile
 Concen: 334.592 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

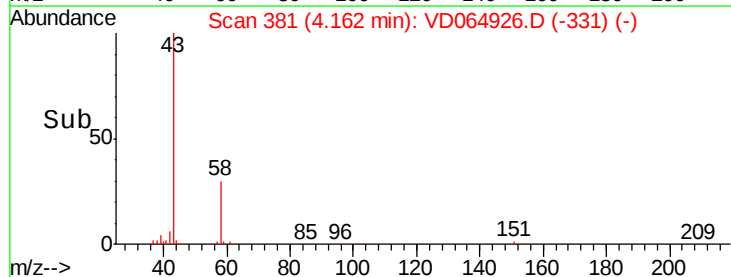
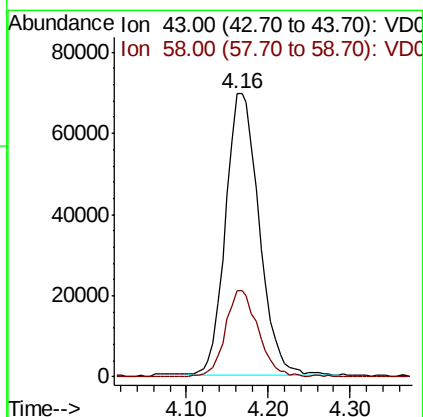
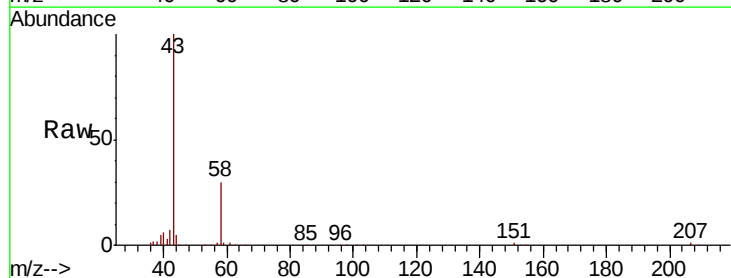
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 53 Resp: 236411
 Ion Ratio Lower Upper
 53 100
 52 82.3 66.2 99.2
 51 37.0 30.1 45.1



#16
 Acetone
 Concen: 281.751 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion: 43 Resp: 197508
 Ion Ratio Lower Upper
 43 100
 58 30.5 25.8 38.6





#17

Carbon Disulfide

Concen: 41.343 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

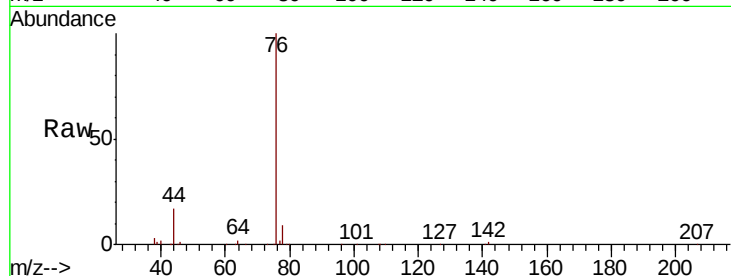
ClientSampleId :

Tot Ion: 76 Resp: 450249

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

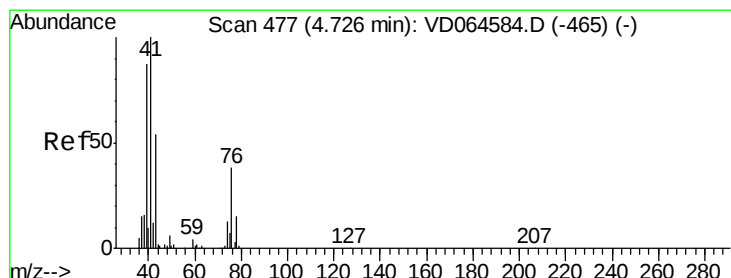
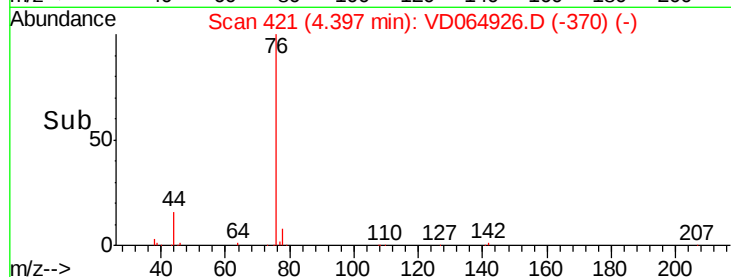
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 64.600 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064926.D

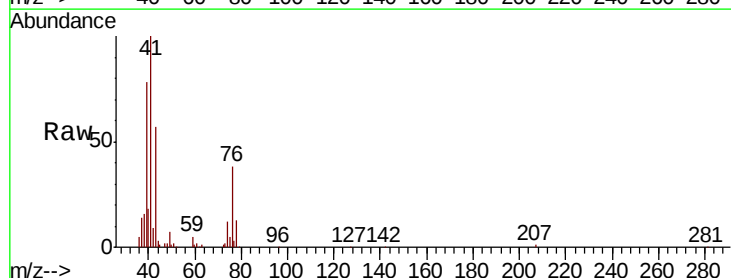
Acq: 22 Jan 2020 19:29

Tgt Ion: 43 Resp: 122773

Ion Ratio Lower Upper

43 100

74 22.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

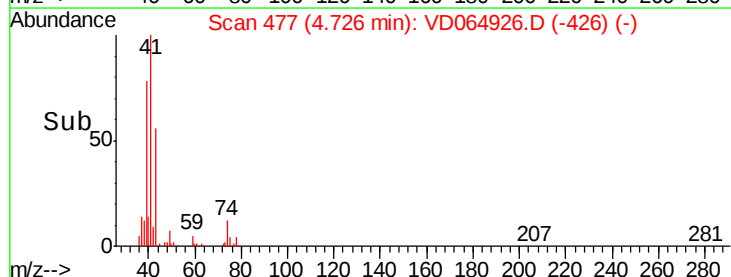
30000

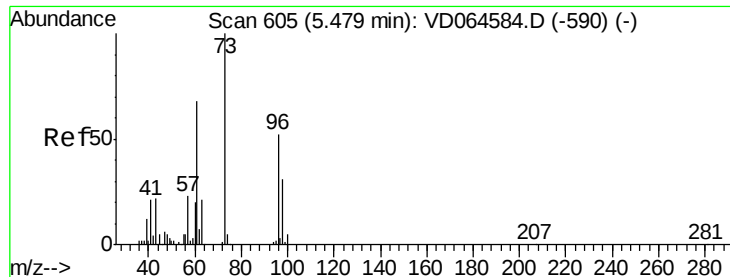
20000

10000

0

Time-->



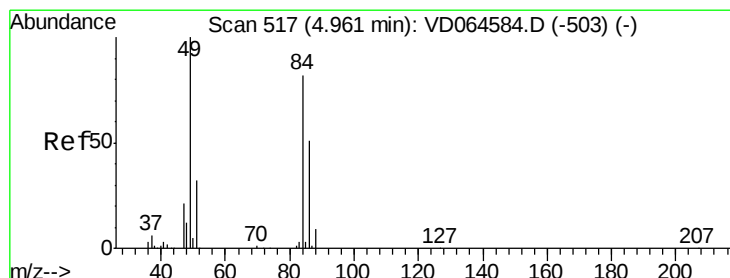
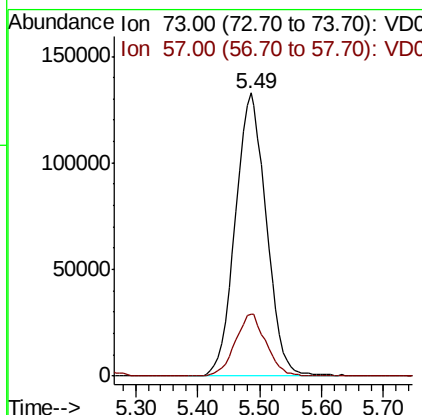
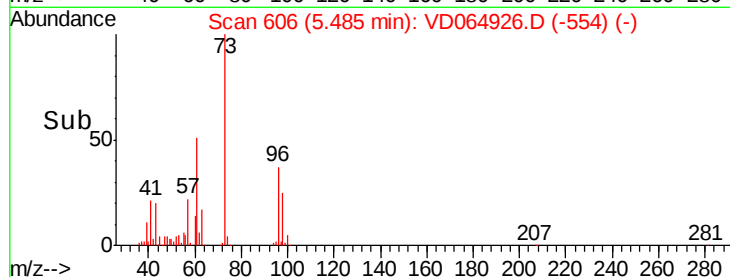
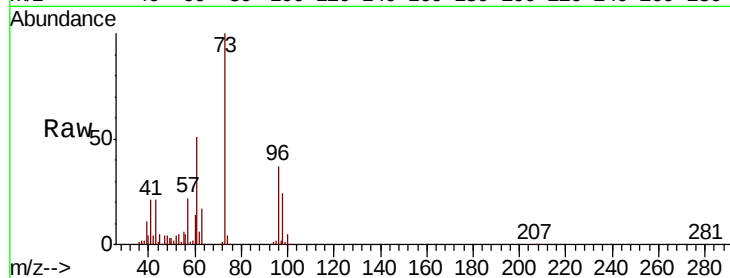


#19

Methyl tert-butyl Ether
 Concen: 61.913 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampled :

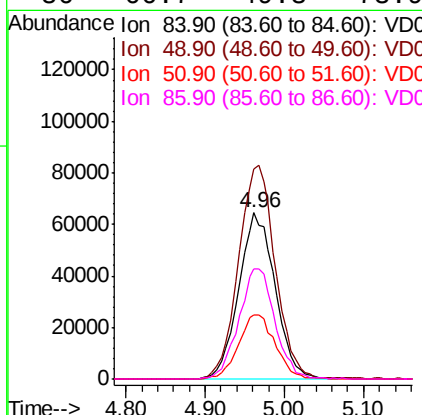
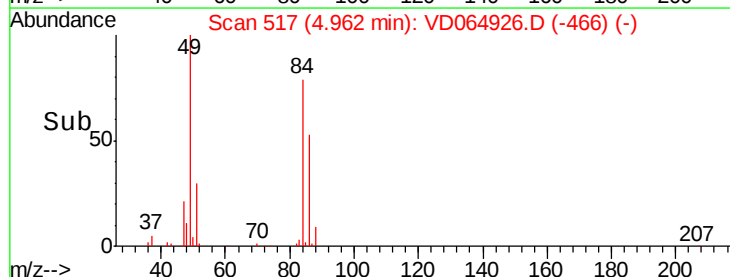
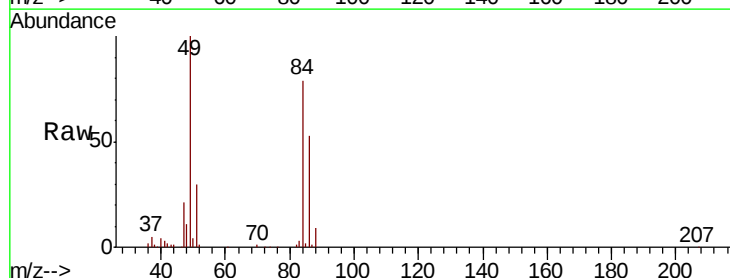
Tot Ion: 73 Resp: 463168
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.6 27.8

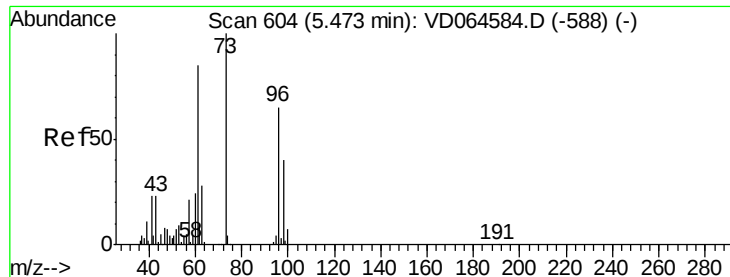


#20

Methylene Chloride
 Concen: 60.570 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion: 84 Resp: 205547
 Ion Ratio Lower Upper
 84 100
 49 126.6 97.2 145.8
 51 38.2 31.4 47.0
 86 66.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.897 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampled :

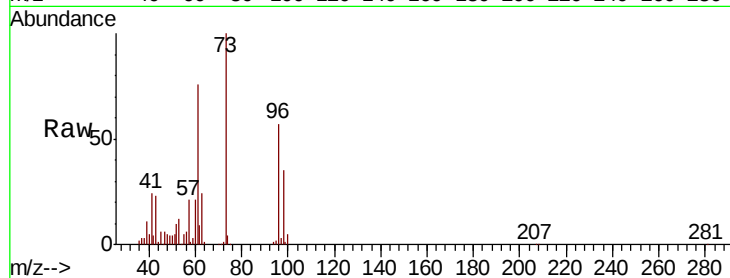
Tot Ion: 96 Resp: 195226

Ion Ratio Lower Upper

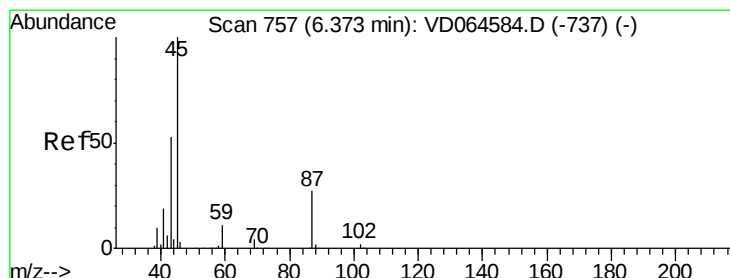
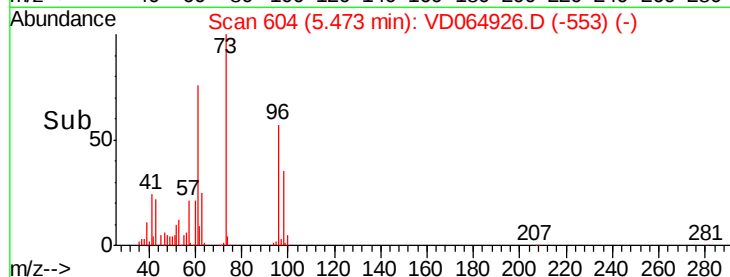
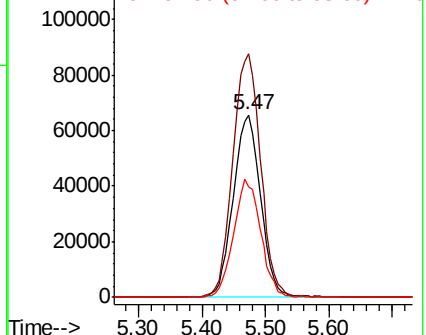
96 100

61 133.2 104.7 157.1

98 60.4 49.4 74.2



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: 60.496 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion: 45 Resp: 633640

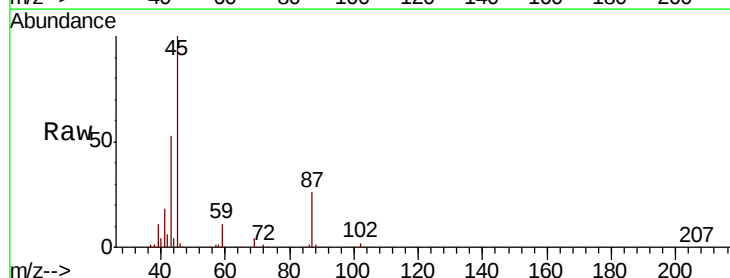
Ion Ratio Lower Upper

45 100

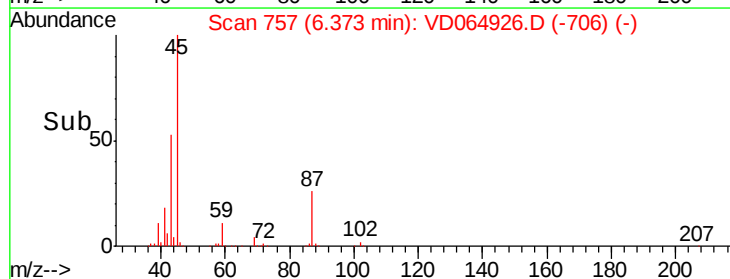
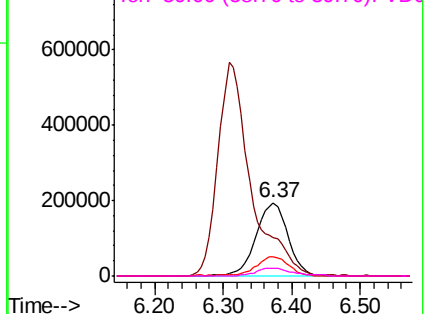
43 52.8 43.2 64.8

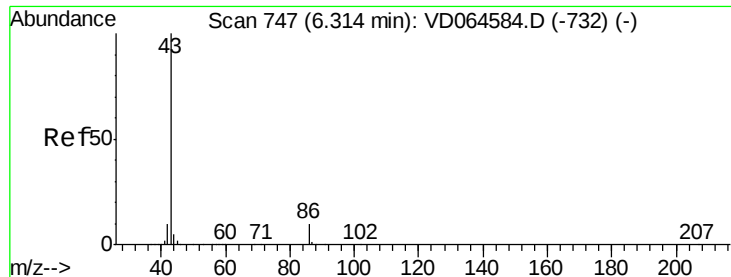
87 25.7 21.9 32.9

59 10.8 9.0 13.4



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: 320.194 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

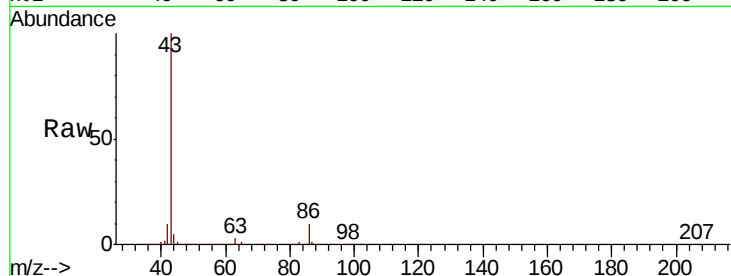
ClientSampled :

Tot Ion: 43 Resp: 1902433

Ion Ratio Lower Upper

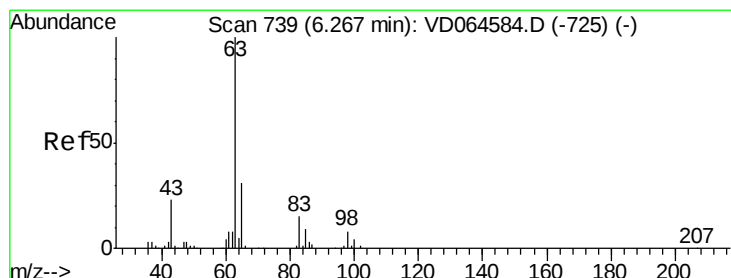
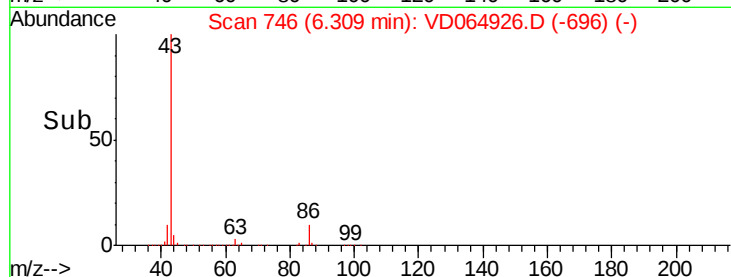
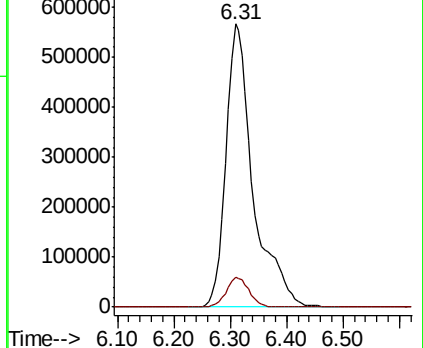
43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.869 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

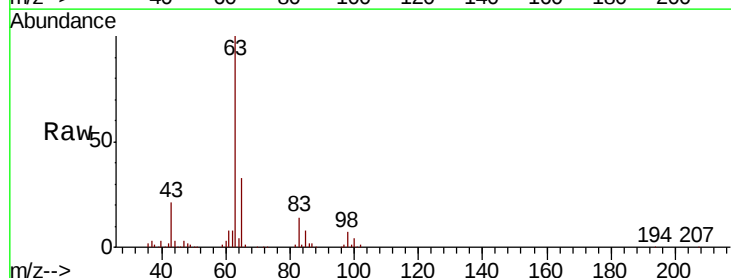
Tgt Ion: 63 Resp: 357587

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

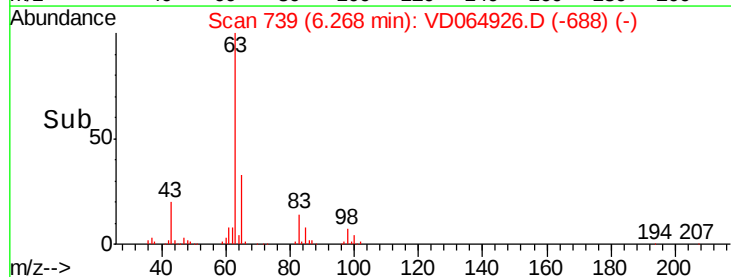
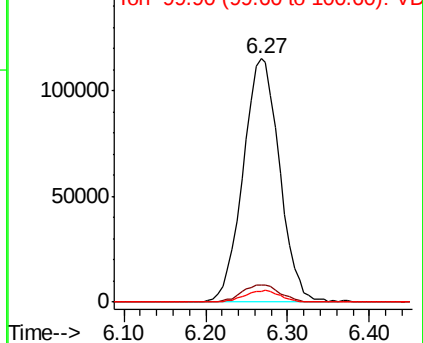
100 4.4 2.2 6.6

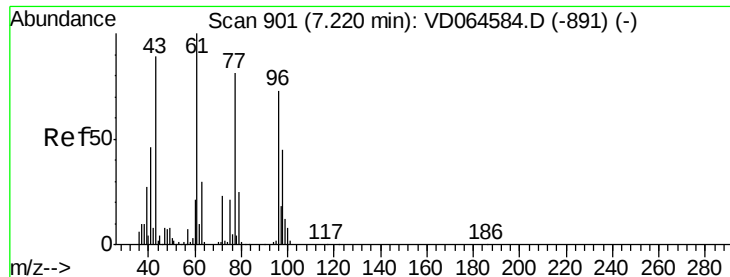


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 323.787 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

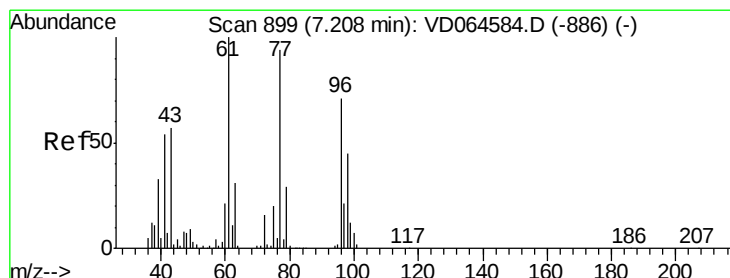
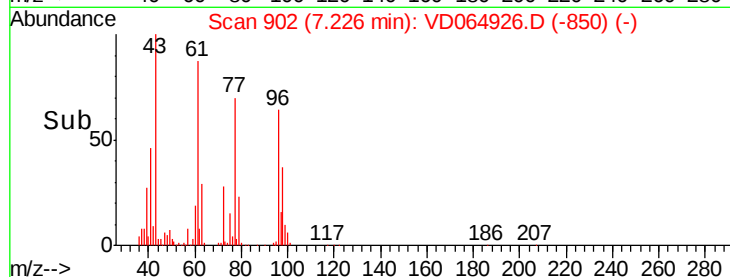
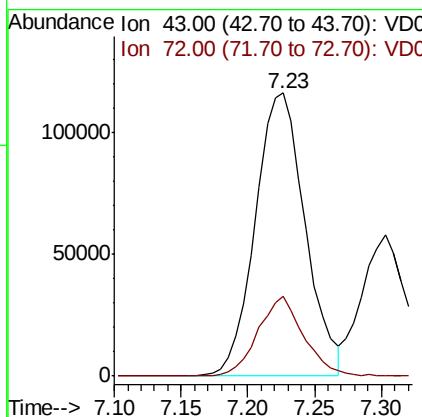
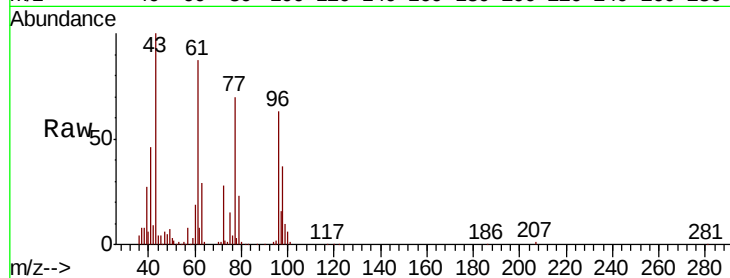
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 300444

Ion Ratio Lower Upper

43 100

72 28.3 20.7 31.1



#26

2,2-Dichloropropane

Concen: 53.707 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064926.D

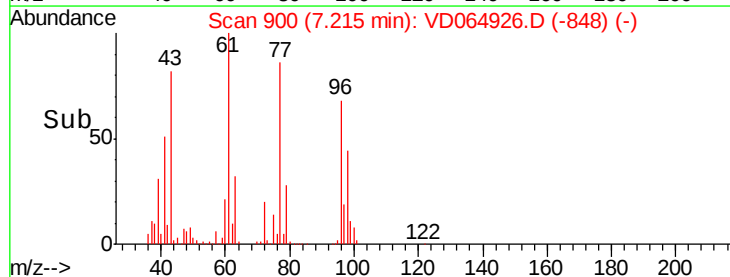
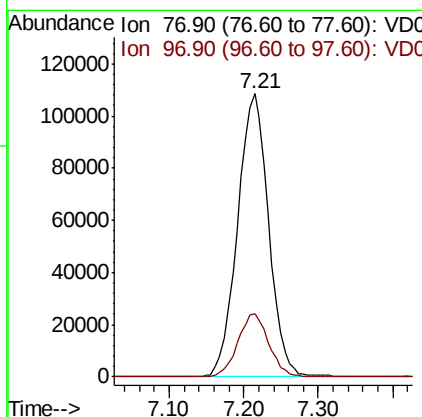
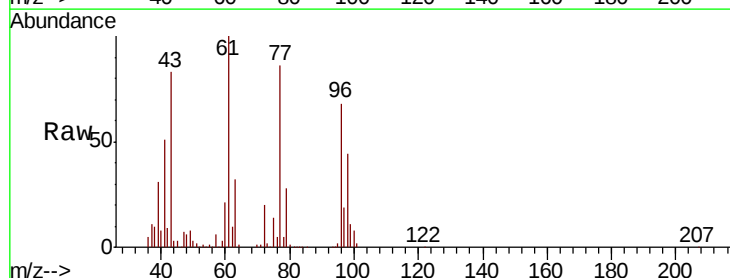
Acq: 22 Jan 2020 19:29

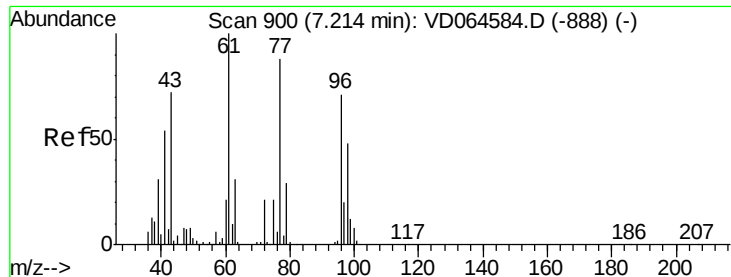
Tgt Ion: 77 Resp: 313982

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 54.690 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampled :

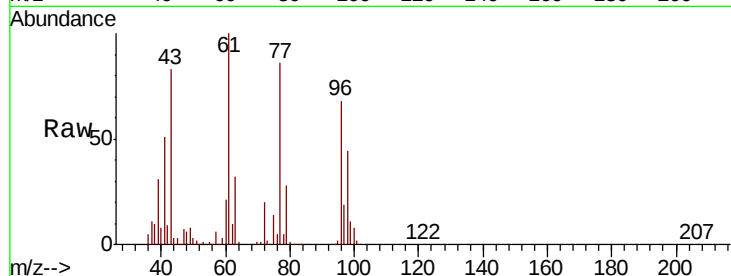
Tot Ion: 96 Resp: 226396

Ion Ratio Lower Upper

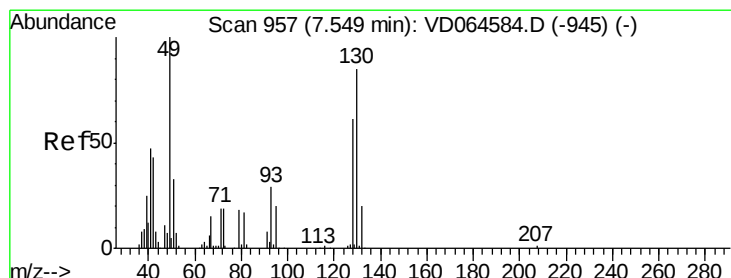
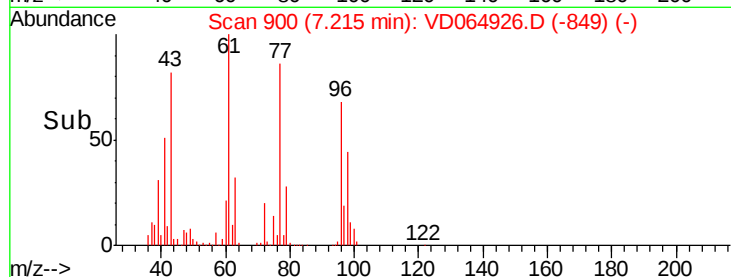
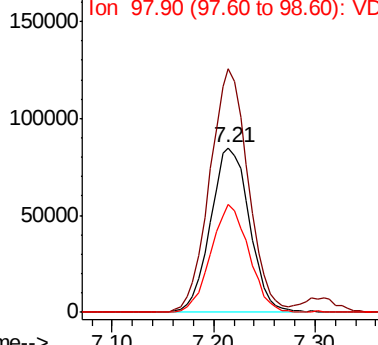
96 100

61 146.0 0.0 282.6

98 64.0 0.0 130.8



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



#28

Bromochloromethane

Concen: 60.609 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

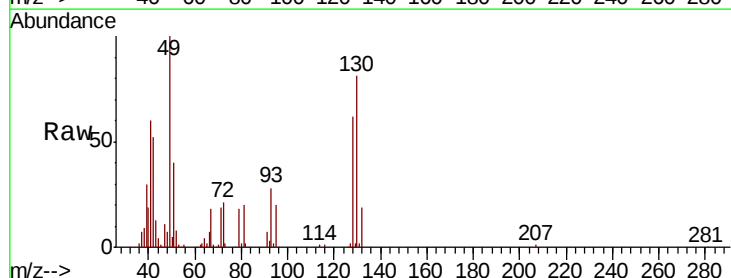
Tgt Ion: 49 Resp: 148145

Ion Ratio Lower Upper

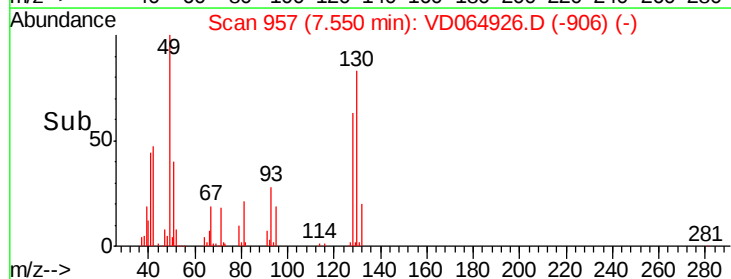
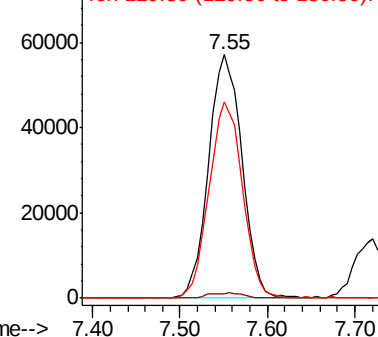
49 100

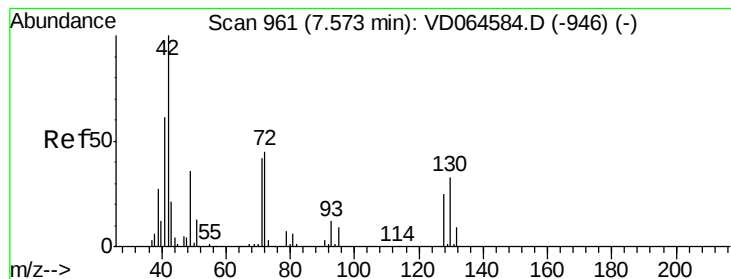
129 2.2 0.0 4.8

130 80.5 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 331.815 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampled :

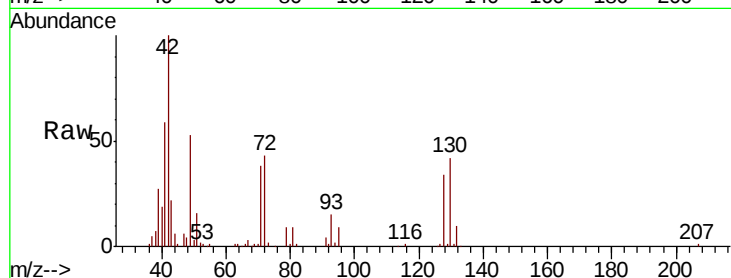
Tot Ion: 42 Resp: 191471

Ion Ratio Lower Upper

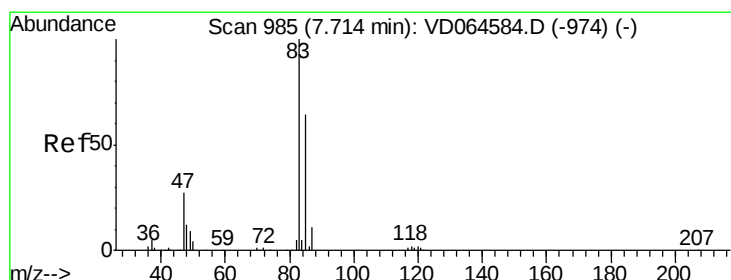
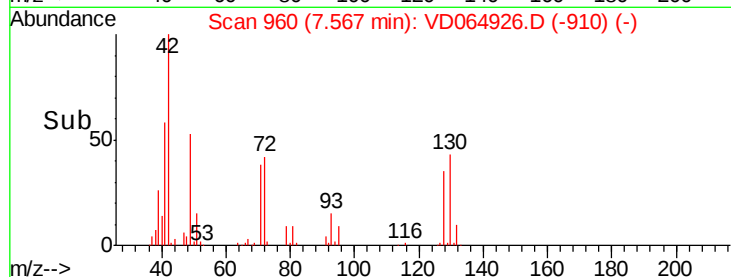
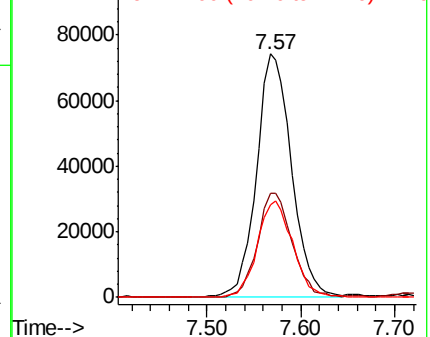
42 100

72 42.3 35.0 52.4

71 40.1 32.9 49.3



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: 57.435 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064926.D

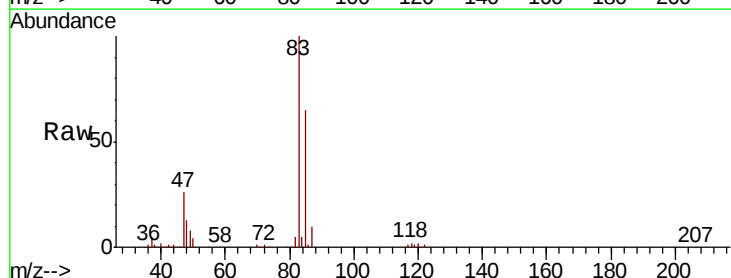
Acq: 22 Jan 2020 19:29

Tgt Ion: 83 Resp: 378900

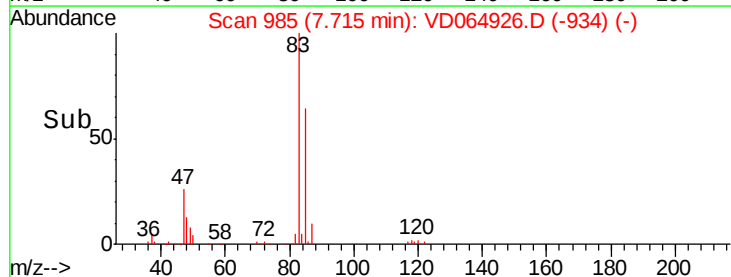
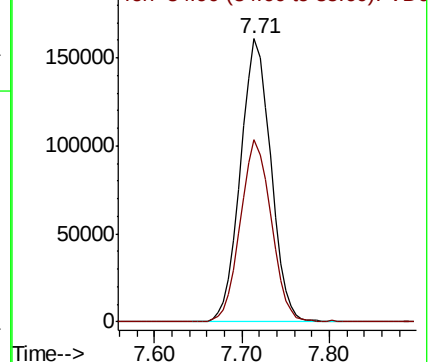
Ion Ratio Lower Upper

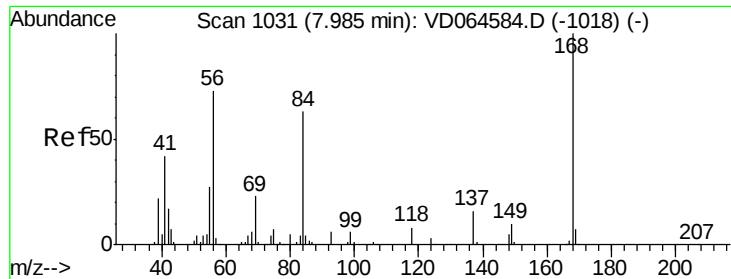
83 100

85 64.6 51.1 76.7



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

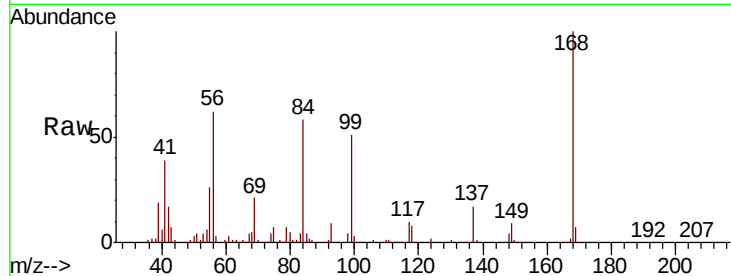




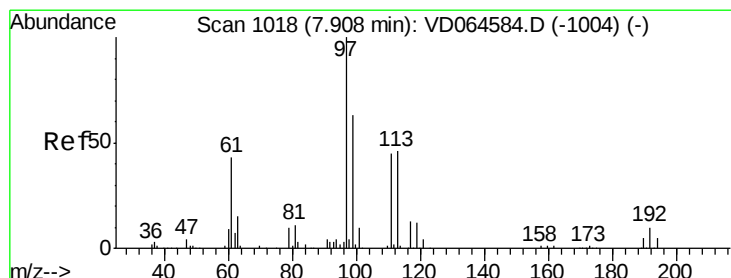
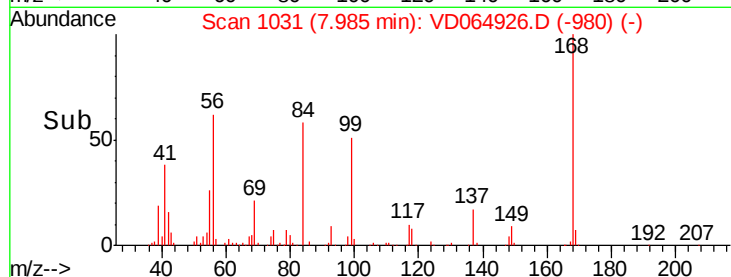
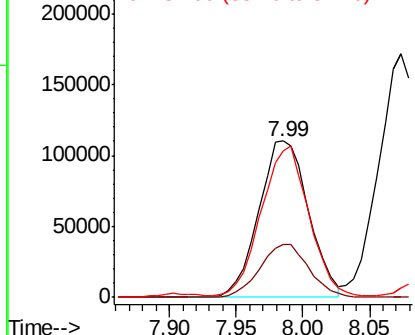
#31
Cyclohexane
Concen: 45.205 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 284528
Ion Ratio Lower Upper
56 100
69 33.6 24.7 37.1
84 91.9 69.4 104.2

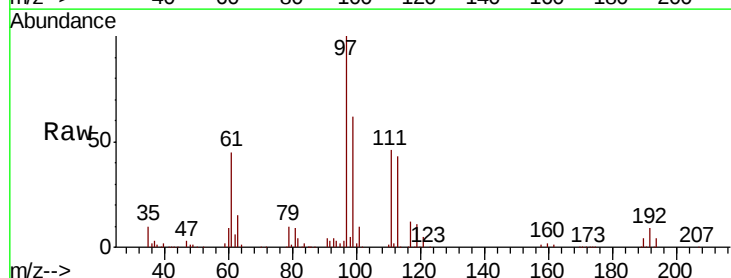


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

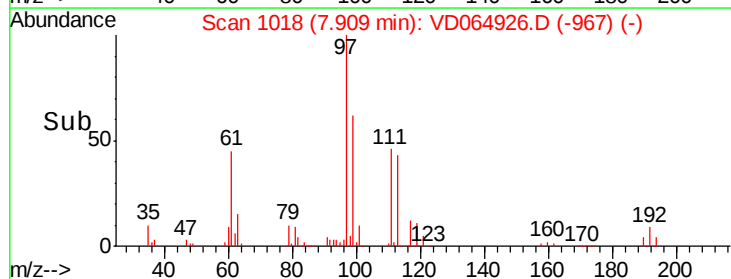
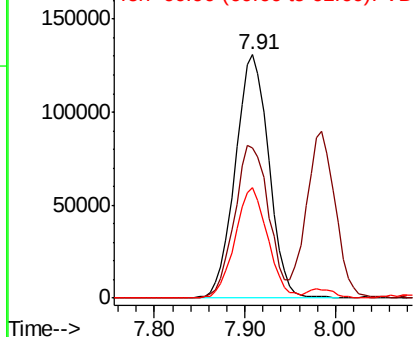


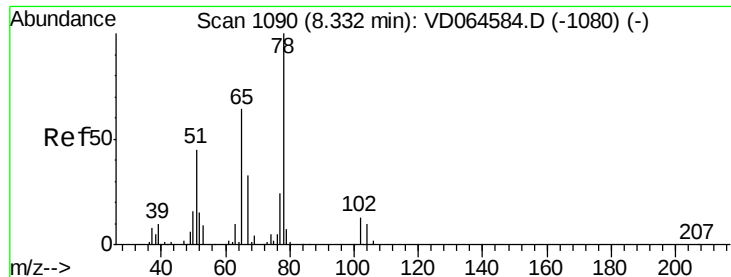
#32
1,1,1-Trichloroethane
Concen: 54.269 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 97 Resp: 336273
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 44.5 35.4 53.0



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: 57.927 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

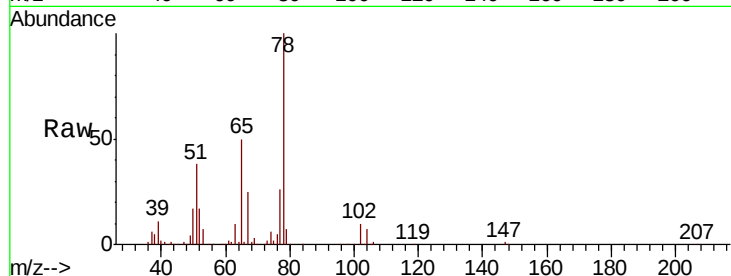
ClientSampleId :

Tot Ion: 65 Resp: 195547

Ion Ratio Lower Upper

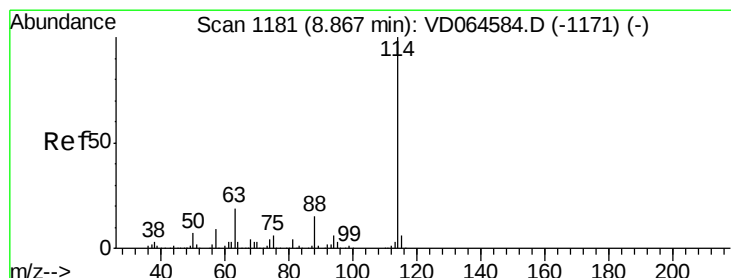
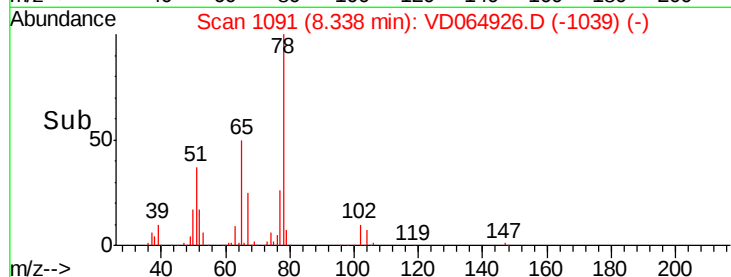
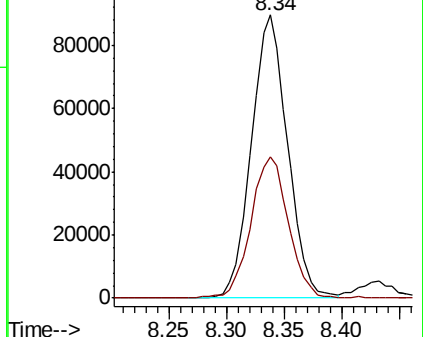
65 100

67 51.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VD064926.D (-1039) (-)

Ion 66.90 (66.60 to 67.60): VD064926.D (-1039) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

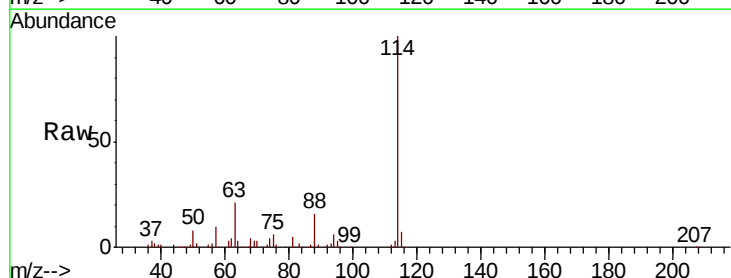
Tgt Ion: 114 Resp: 563006

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.0

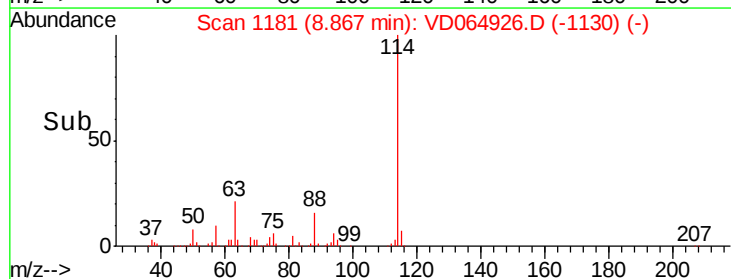
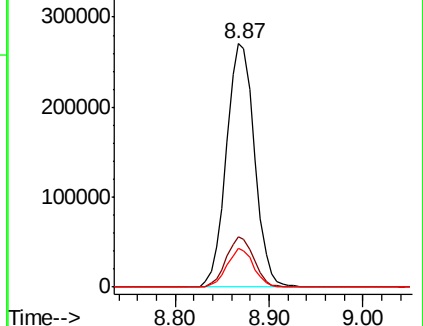
88 15.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VD064926.D (-1130) (-)

Ion 63.00 (62.70 to 63.70): VD064926.D (-1130) (-)

Ion 87.90 (87.60 to 88.60): VD064926.D (-1130) (-)

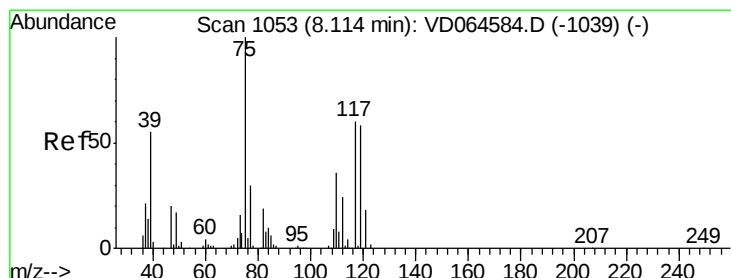
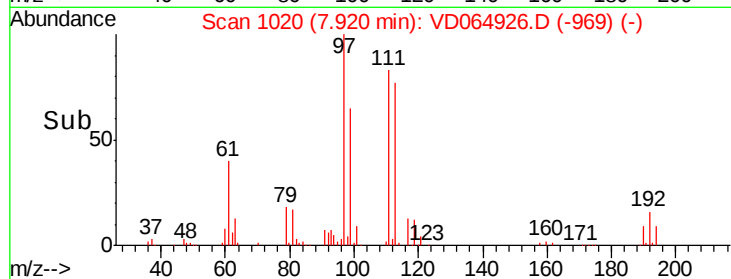
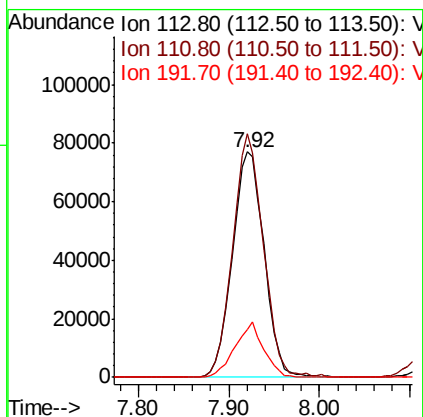
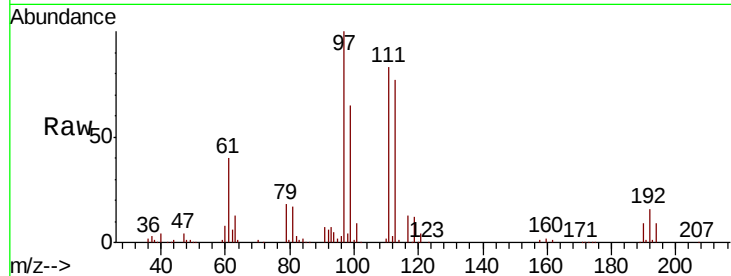




#35
 Dibromofluoromethane
 Concen: 54.398 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

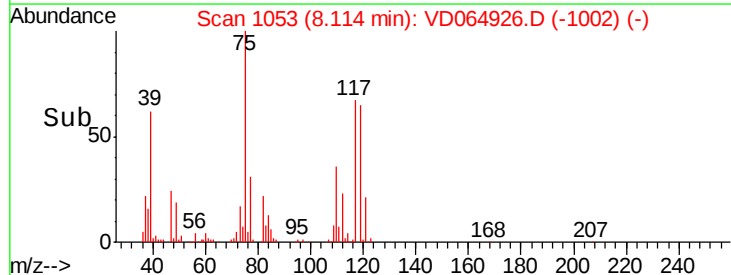
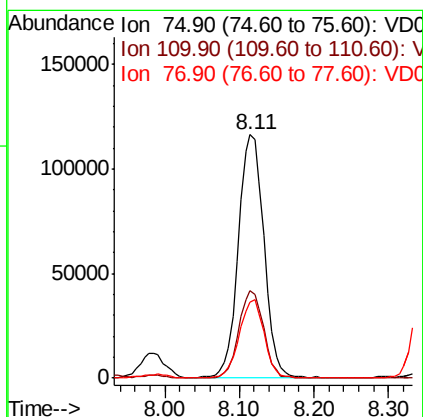
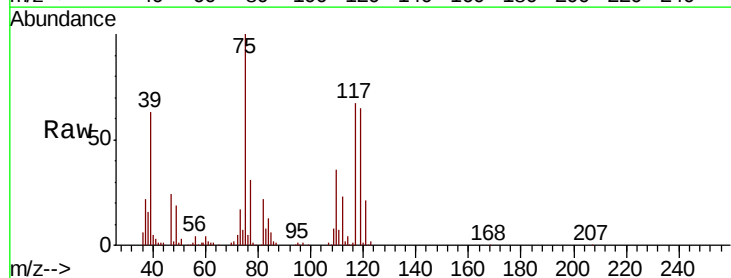
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.6	121.0
192	22.1	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 51.289 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	18.1	54.1
77	31.2	24.2	36.4

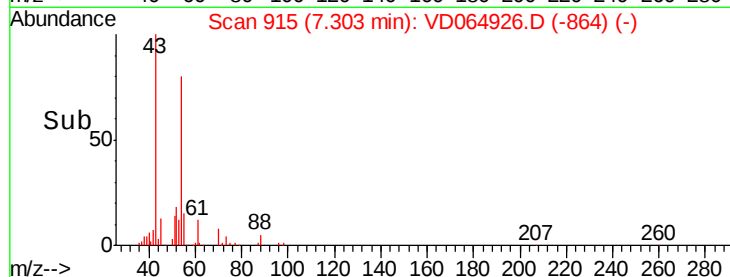
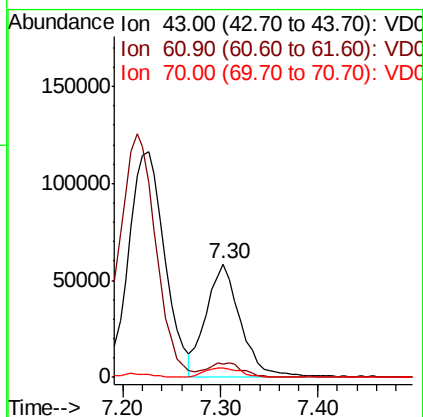
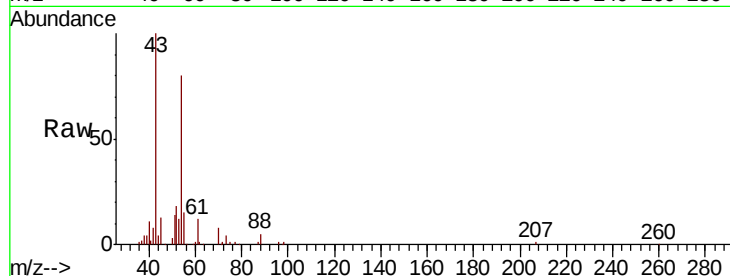




#37
Ethyl Acetate
Concen: 66.131 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

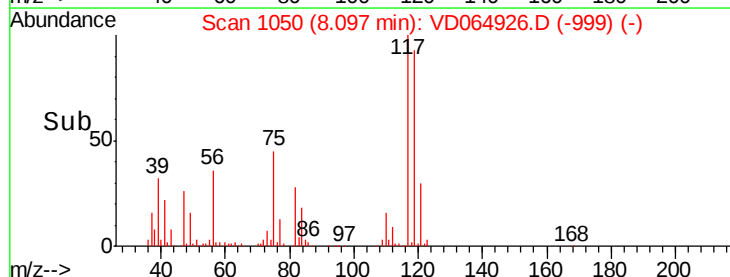
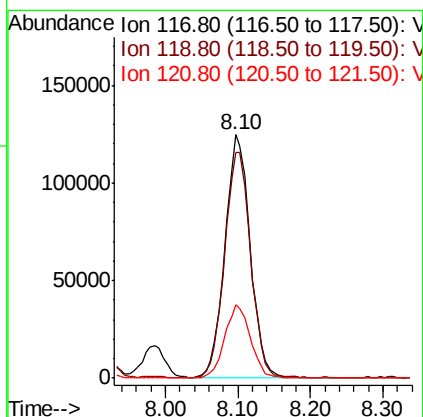
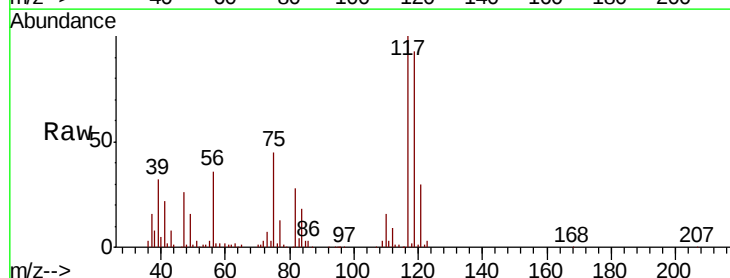
Instrument :
MSVOA_D
ClientSampleID :

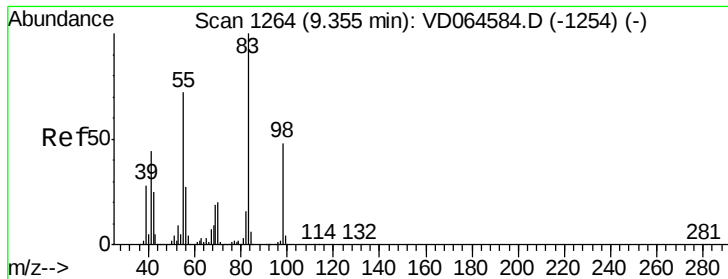
Tot Ion: 43 Resp: 140782
Ion Ratio Lower Upper
43 100
61 12.5 10.3 15.5
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 52.174 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 117 Resp: 301468
Ion Ratio Lower Upper
117 100
119 93.0 77.3 115.9
121 30.3 25.0 37.6

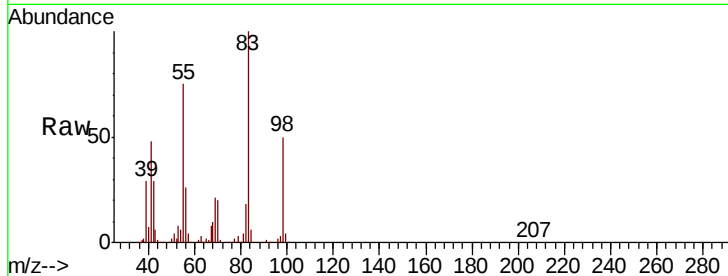




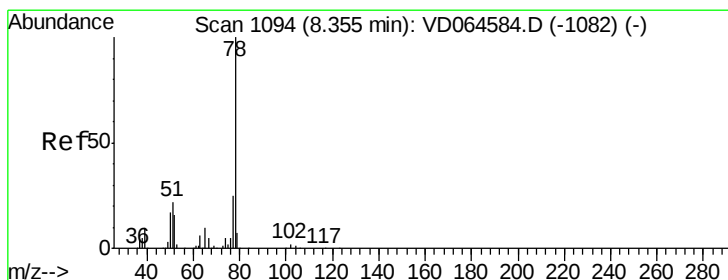
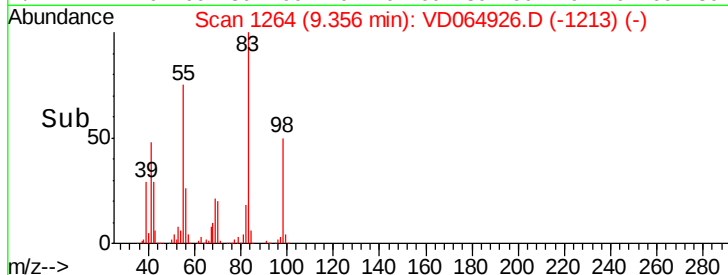
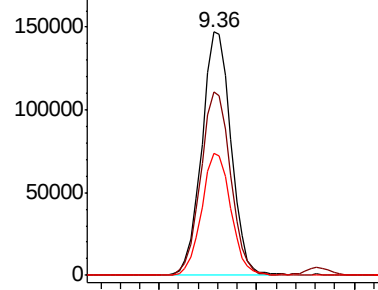
#39
Methvlcvclohexane
Concen: 46.793 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83	Resp	307115
Ion	Ratio	Lower	Upper
83	100		
55	75.4	57.8	86.6
98	50.3	38.7	58.1

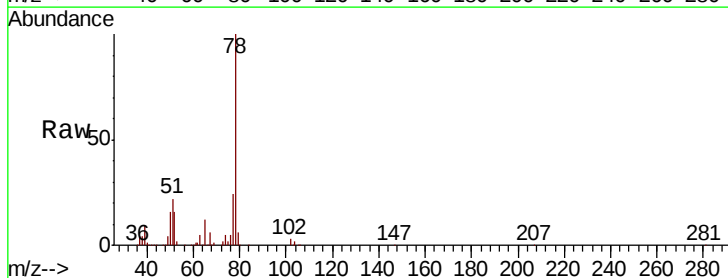


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

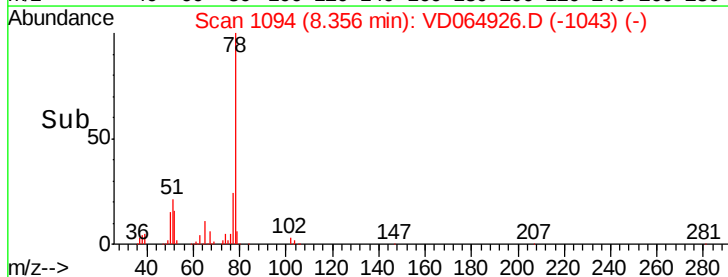
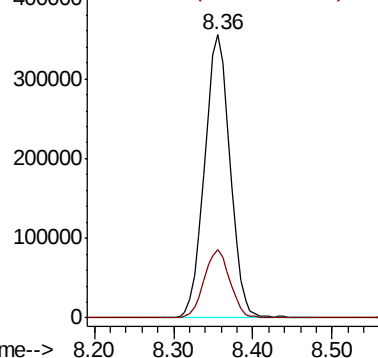


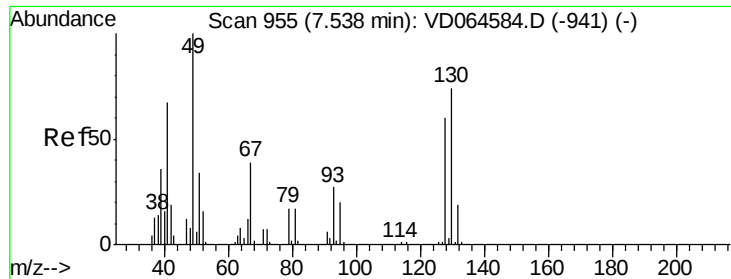
#40
Benzene
Concen: 53.641 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	78	Resp	793510
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9



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





#41

Methacrylonitrile

Concen: 60.619 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 74874

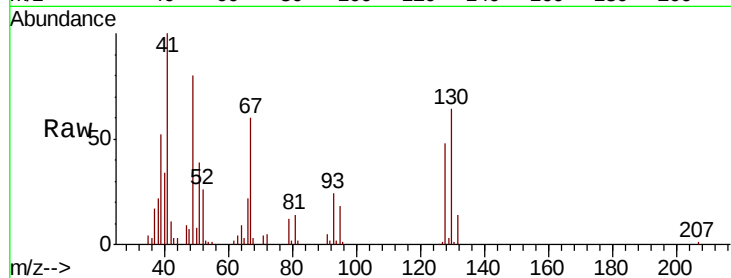
Ion Ratio Lower Upper

41 100

39 64.1 46.7 70.1

67 74.6 52.5 78.7

52 34.0 24.1 36.1

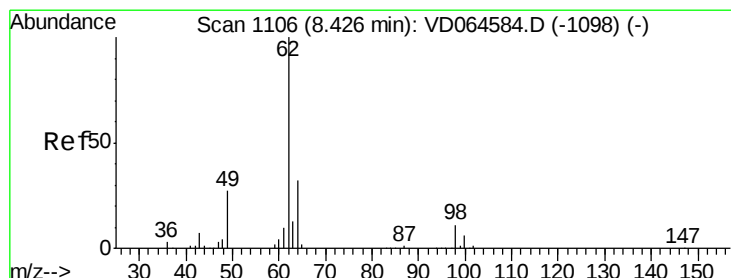
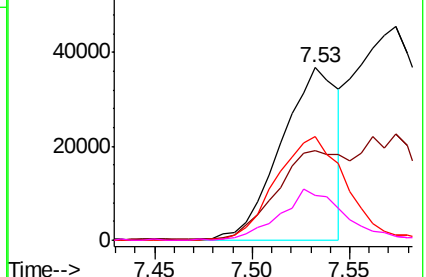
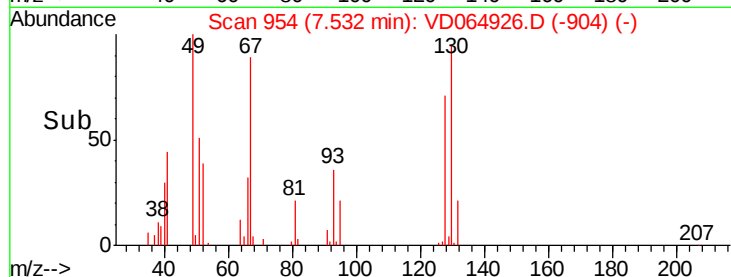


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 59.752 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064926.D

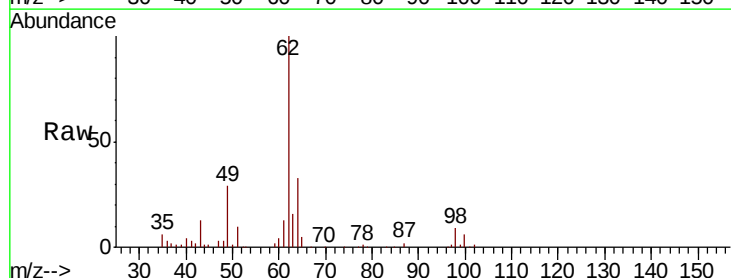
Acq: 22 Jan 2020 19:29

Tgt Ion: 62 Resp: 255431

Ion Ratio Lower Upper

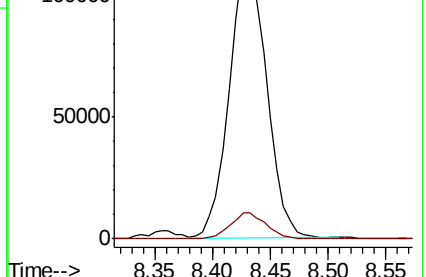
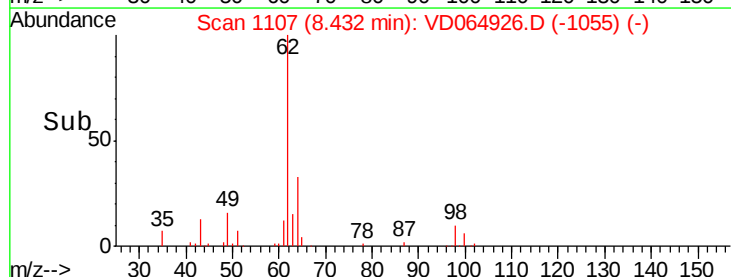
62 100

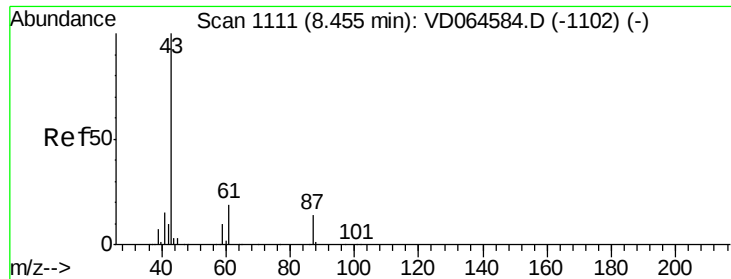
98 9.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



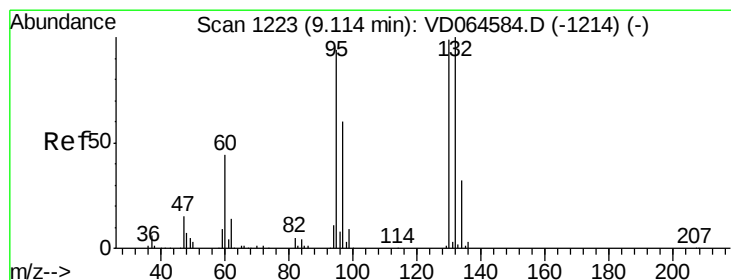
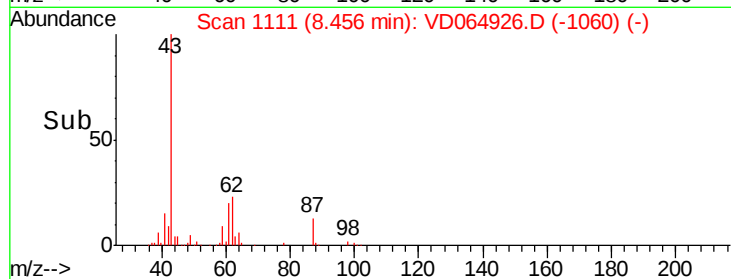
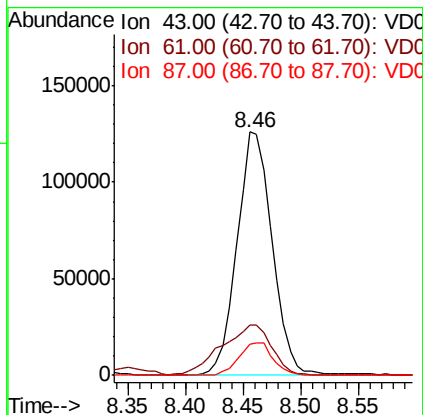
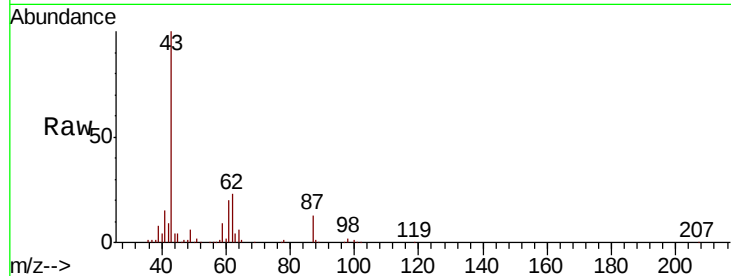


#43

Isopropyl Acetate
 Concen: 63.027 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :

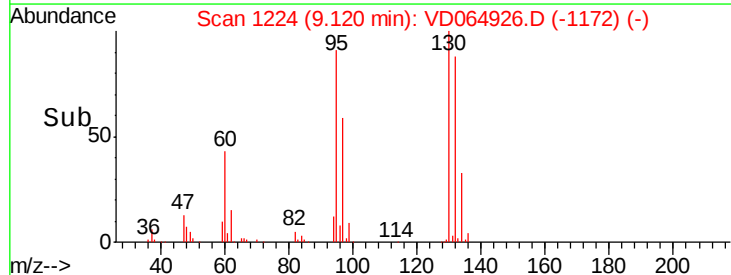
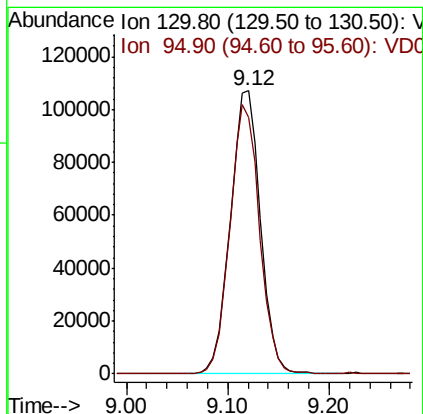
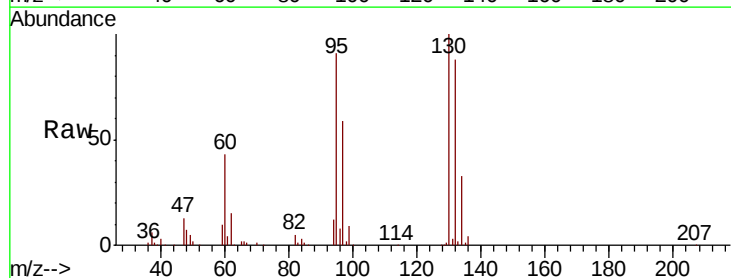
Tot Ion: 43 Resp: 267060
 Ion Ratio Lower Upper
 43 100
 61 29.6 23.7 35.5
 87 13.0 10.5 15.7



#44

Trichloroethene
 Concen: 50.704 ug/l
 RT: 9.12 min Scan# 1224
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion: 130 Resp: 220345
 Ion Ratio Lower Upper
 130 100
 95 90.8 0.0 190.2

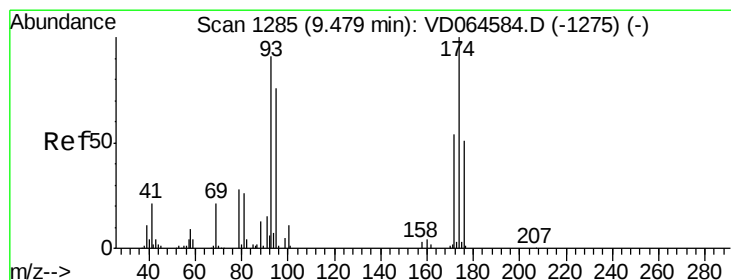
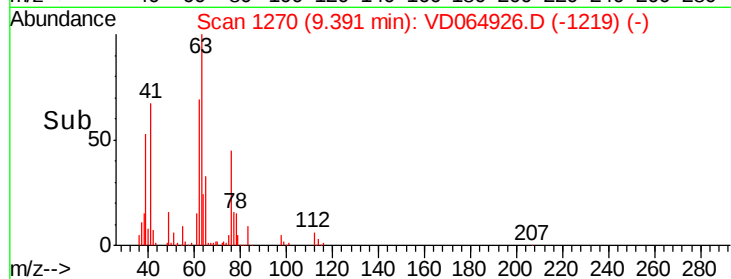
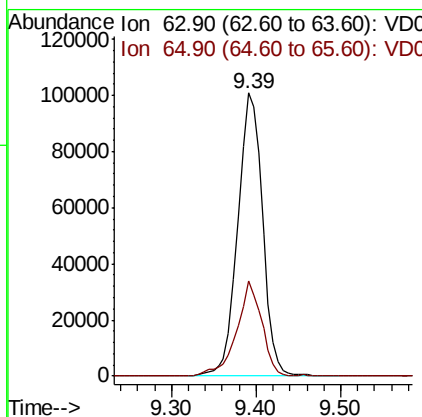
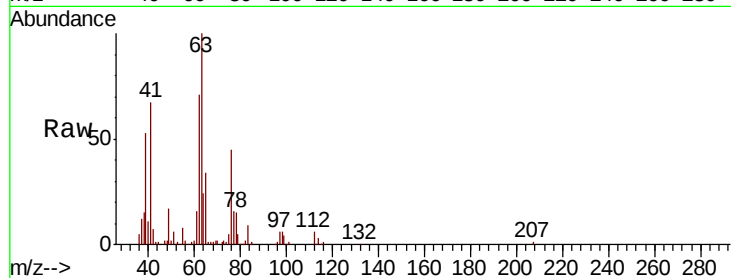




#45
 1,2-Dichloropropane
 Concen: 57.966 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

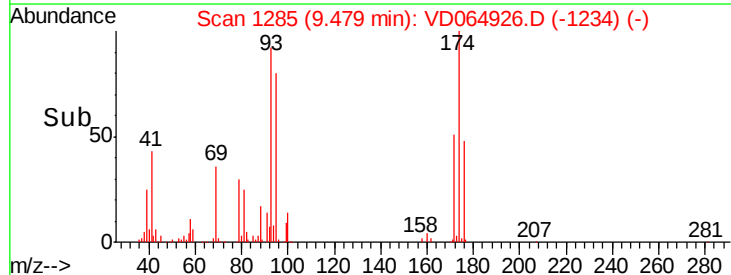
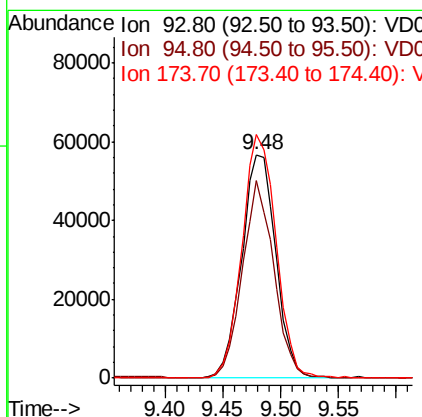
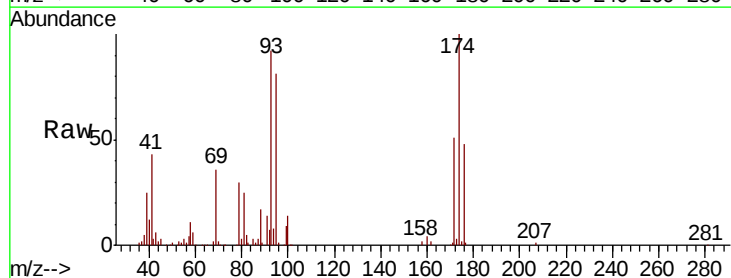
Instrument :
 MSVOA_D
 ClientSampleID :

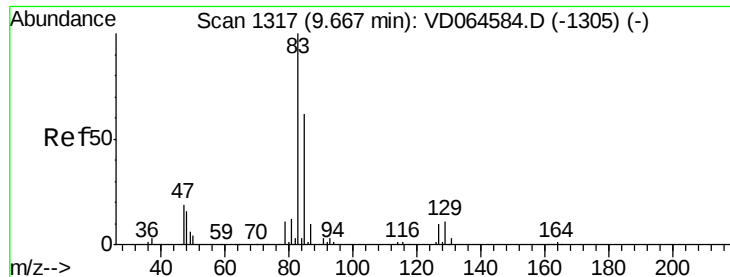
Tot Ion: 63 Resp: 204738
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.2 37.8



#46
 Dibromomethane
 Concen: 59.558 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion: 93 Resp: 117283
 Ion Ratio Lower Upper
 93 100
 95 81.2 64.6 97.0
 174 108.3 88.1 132.1





#47

Bromodichloromethane

Concen: 58.690 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

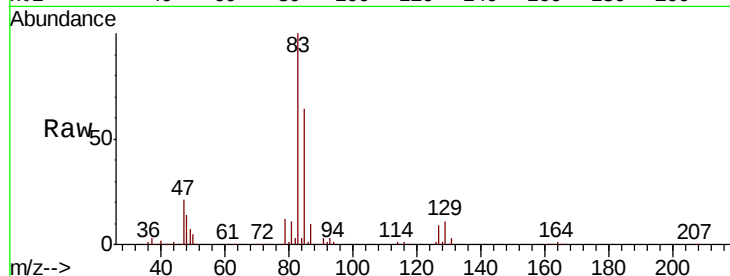
Tot Ion: 83 Resp: 307538

Ion Ratio Lower Upper

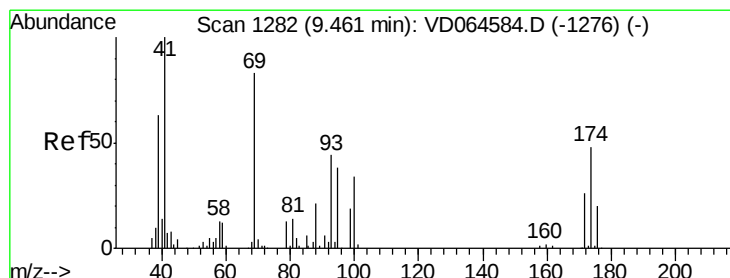
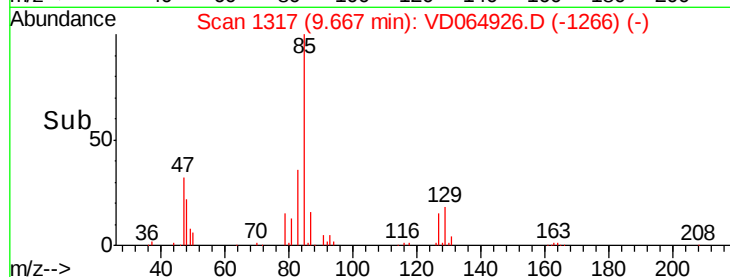
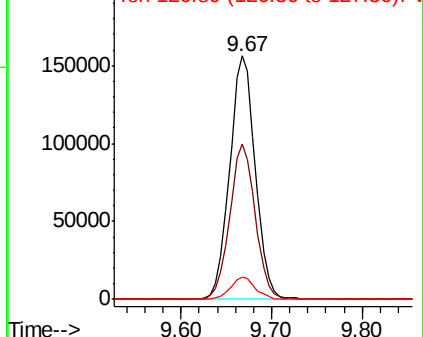
83 100

85 63.6 49.5 74.3

127 9.3 7.8 11.6



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: 64.191 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

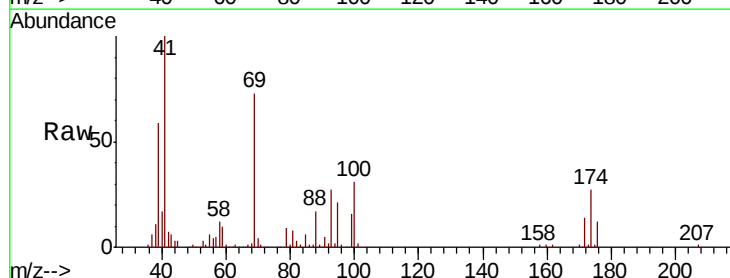
Tgt Ion: 41 Resp: 128070

Ion Ratio Lower Upper

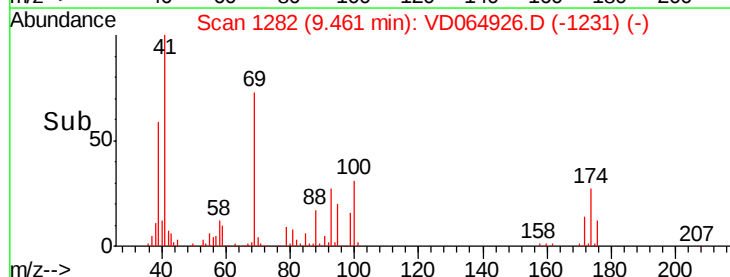
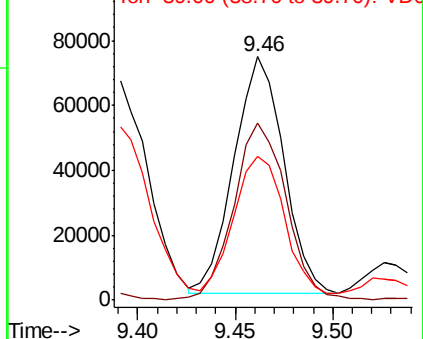
41 100

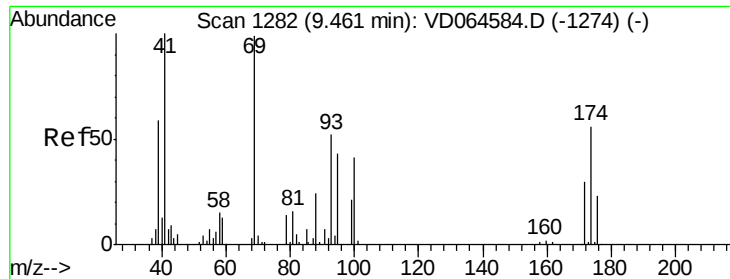
69 78.8 63.0 94.6

39 64.3 47.4 71.2



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

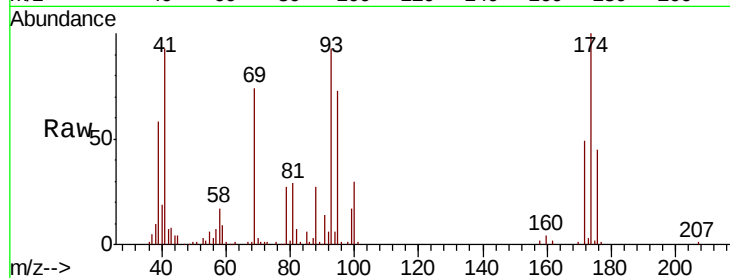




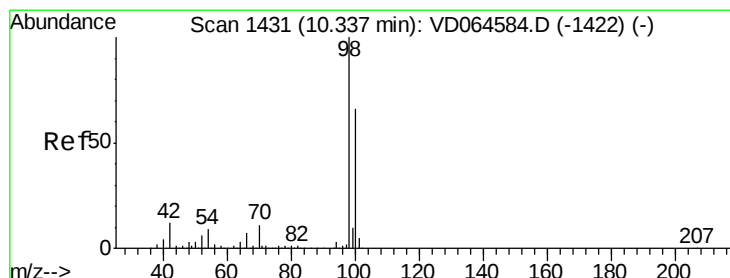
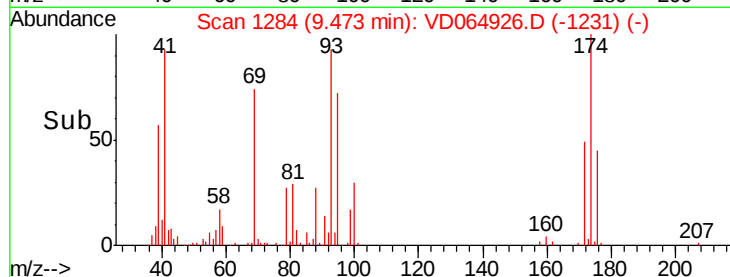
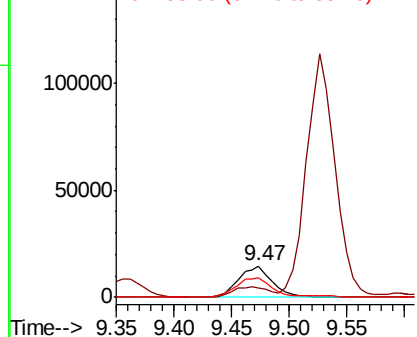
#49
1,4-Dioxane
Concen: 1325.388 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 30095
Ion Ratio Lower Upper
88 100
43 34.9 27.7 41.5
58 67.6 53.8 80.6

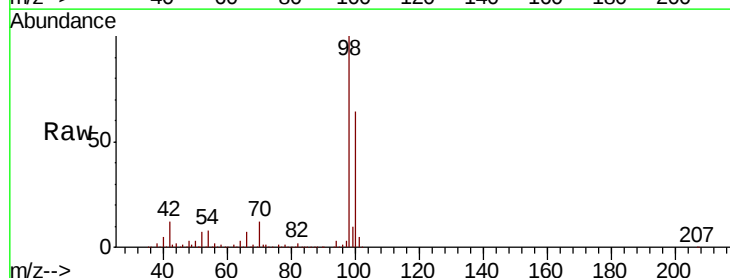


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

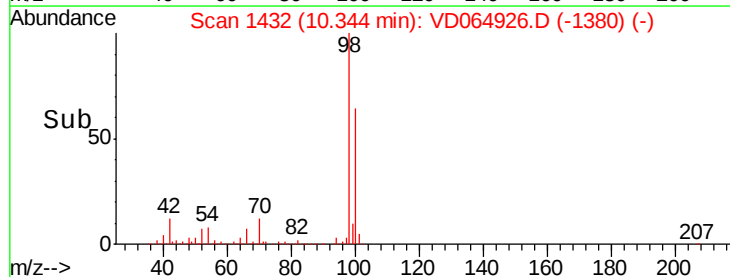
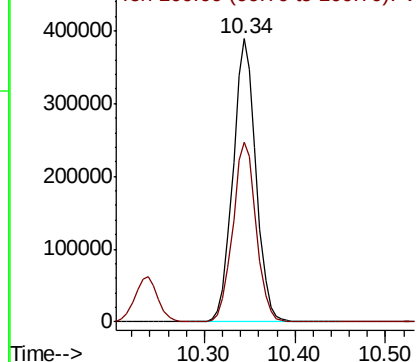


#50
Toluene-d8
Concen: 51.860 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 98 Resp: 686050
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

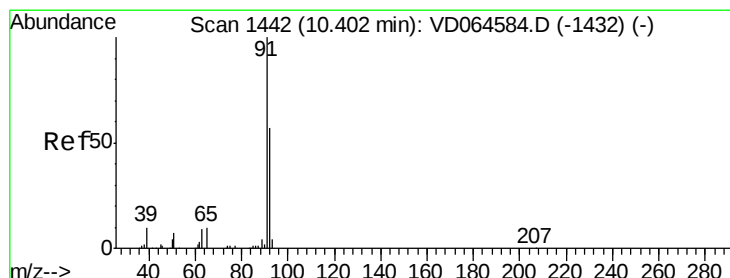
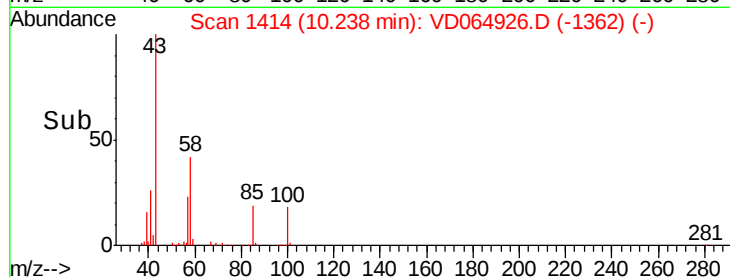
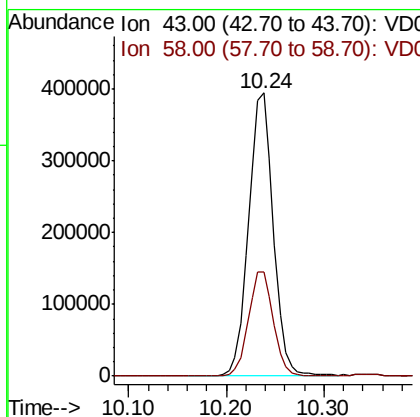
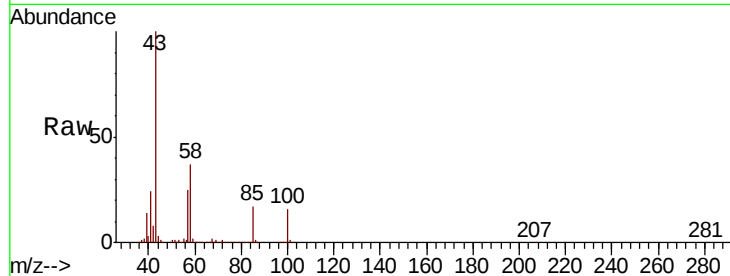




#51
4-Methyl-2-Pentanone
Concen: 335.142 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

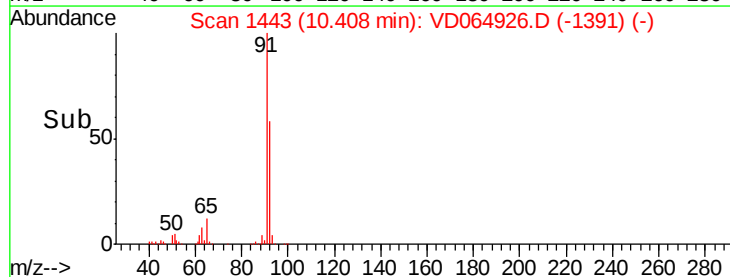
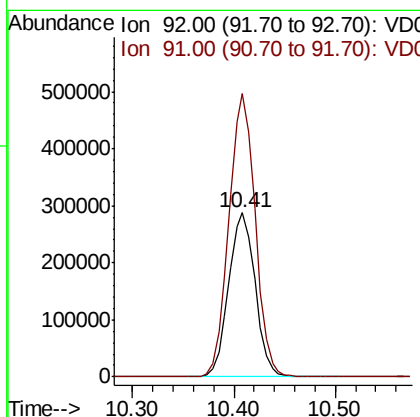
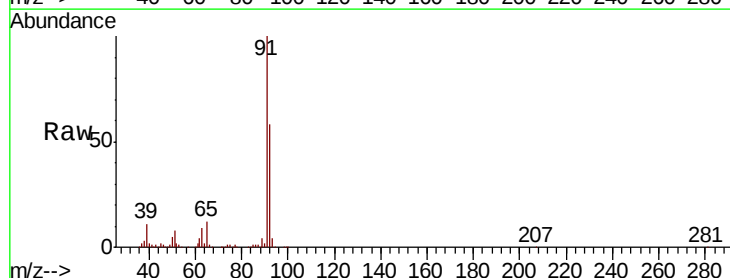
Instrument :
MSVOA_D
ClientSampled :

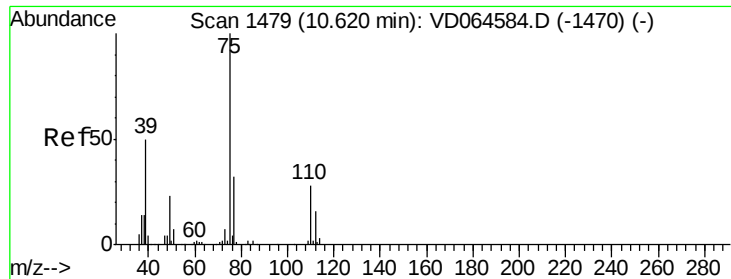
Tot Ion: 43 Resp: 701917
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.2



#52
Toluene
Concen: 53.833 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 92 Resp: 522468
Ion Ratio Lower Upper
92 100
91 171.5 138.7 208.1

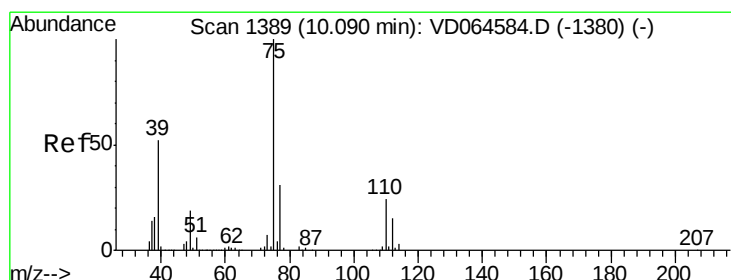
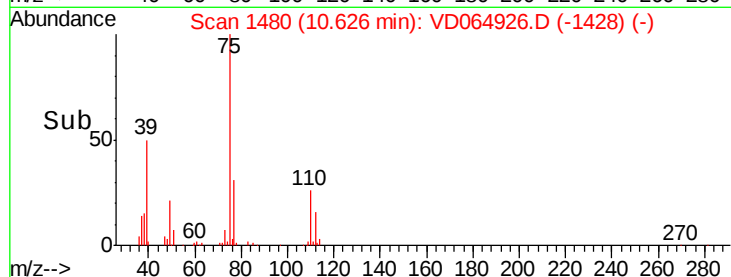
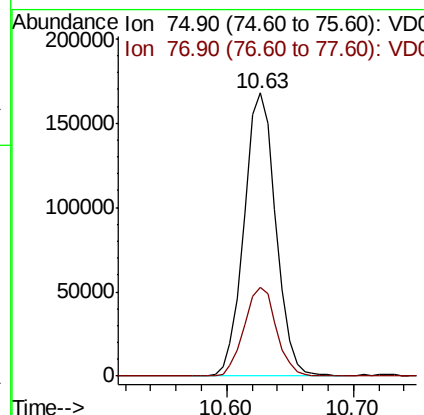
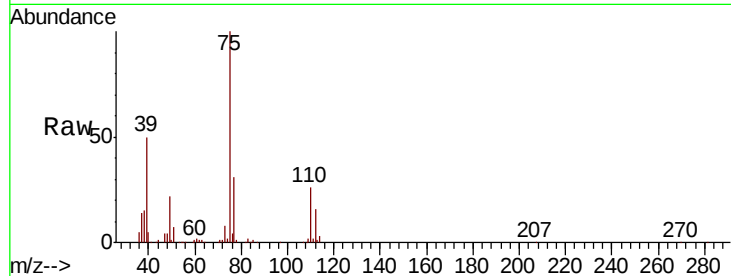




#53
t-1,3-Dichloropropene
Concen: 59.752 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

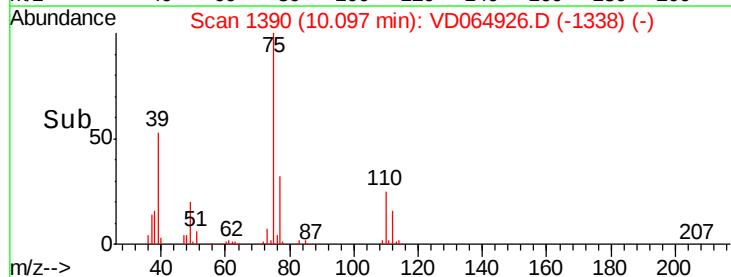
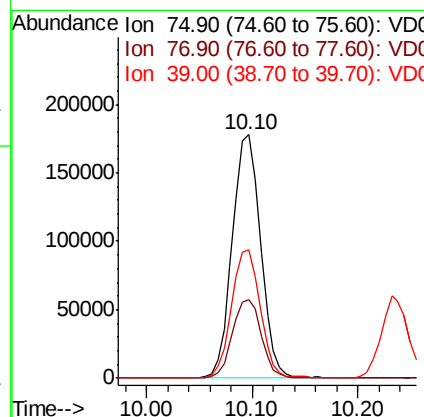
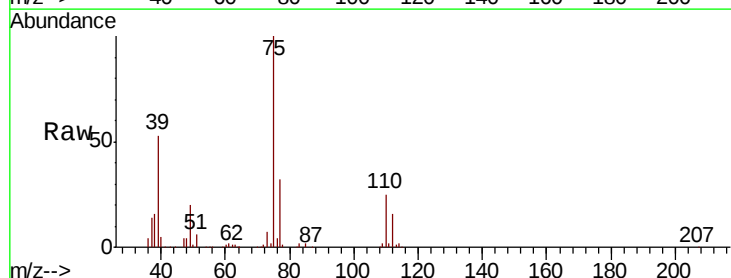
Instrument :
MSVOA_D
ClientSampleId :

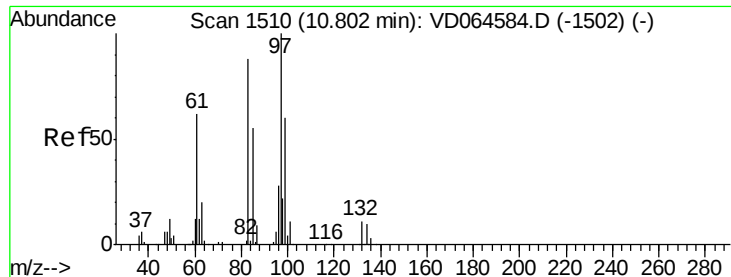
Tot Ion: 75 Resp: 291911
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 57.381 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 75 Resp: 330545
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8
39 52.8 41.4 62.2

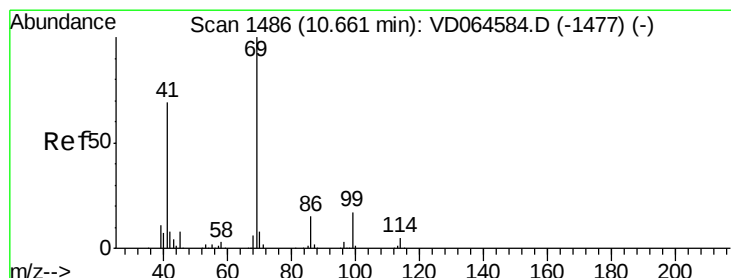
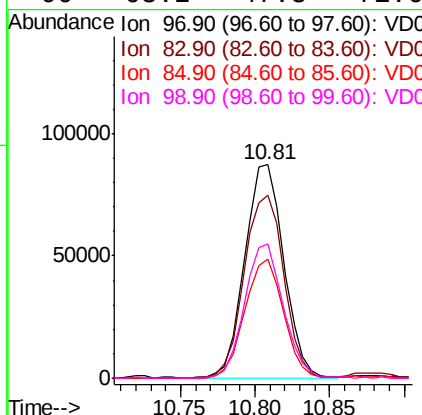
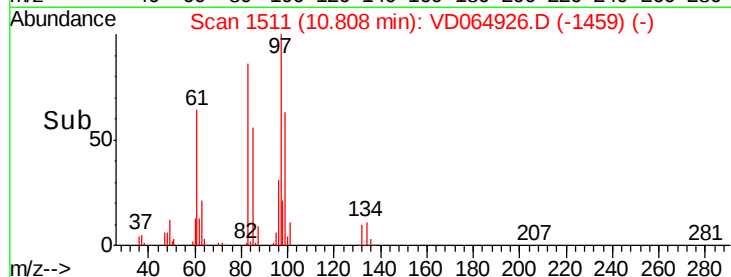
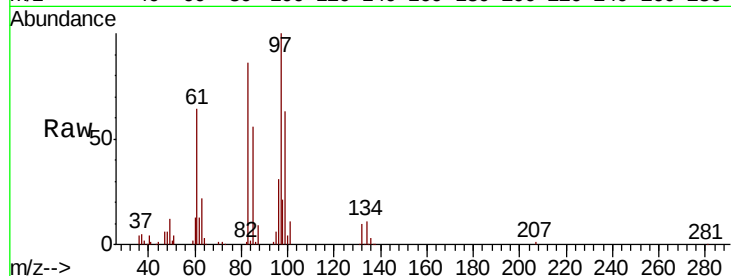




#55
 1,1,2-Trichloroethane
 Concen: 59.711 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

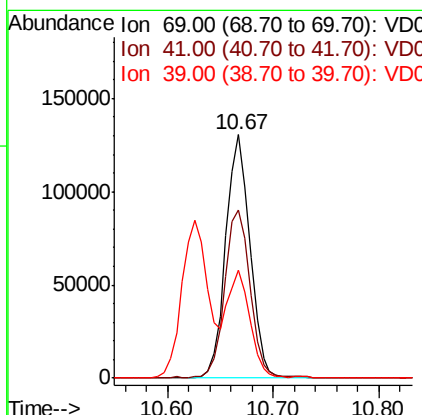
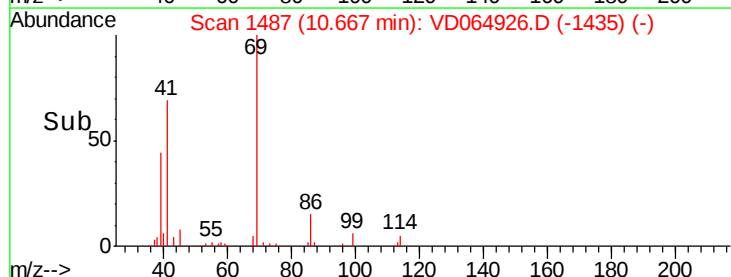
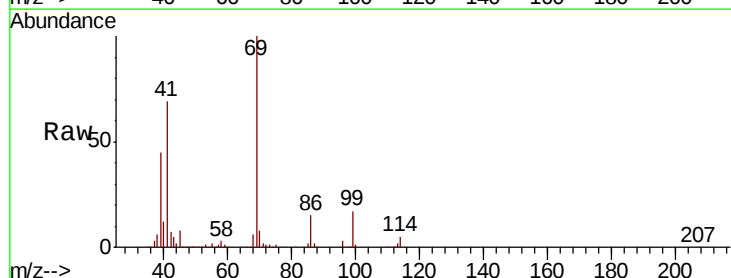
Instrument :
 MSVOA_D
 ClientSampled :

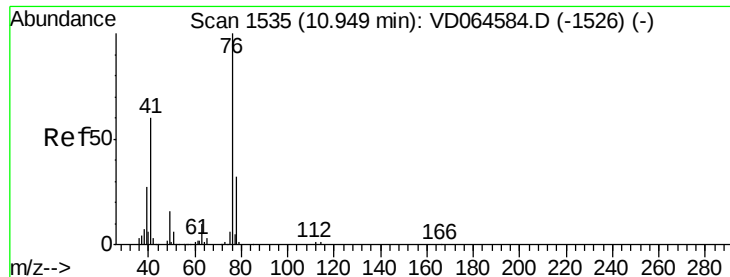
Tot Ion: 97 Resp: 158464
 Ion Ratio Lower Upper
 97 100
 83 85.8 70.2 105.4
 85 55.7 44.0 66.0
 99 63.2 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 62.728 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion: 69 Resp: 207904
 Ion Ratio Lower Upper
 69 100
 41 71.1 55.3 82.9
 39 40.0 33.8 50.8





#57

1,3-Dichloropropane

Concen: 61.246 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

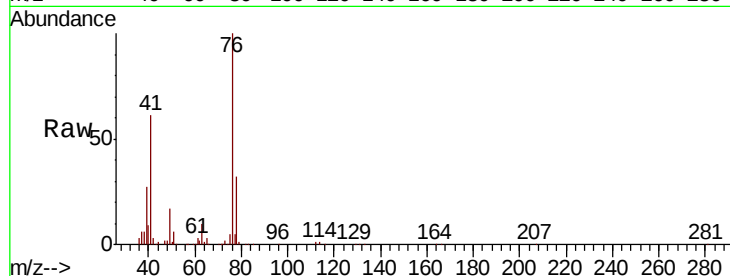
ClientSampleId :

Tot Ion: 76 Resp: 279858

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

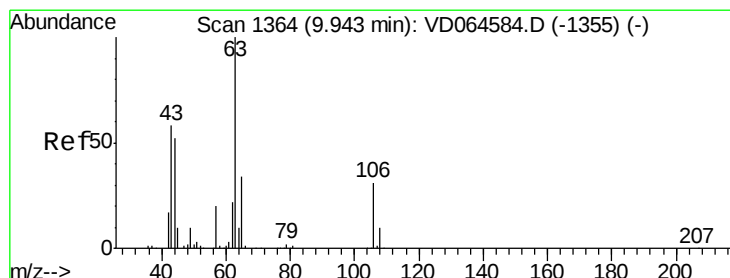
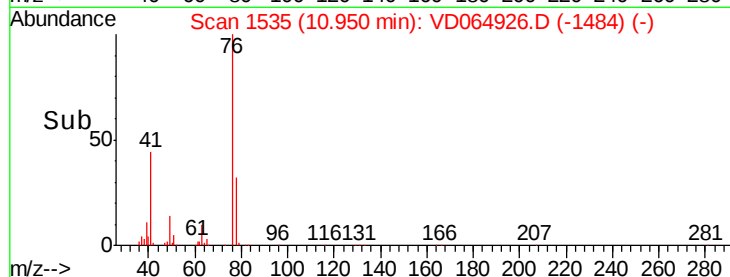
100000

50000

0

Time-->

10.90 11.00 11.10



#58

2-Chloroethyl Vinyl ether

Concen: 279.992 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064926.D

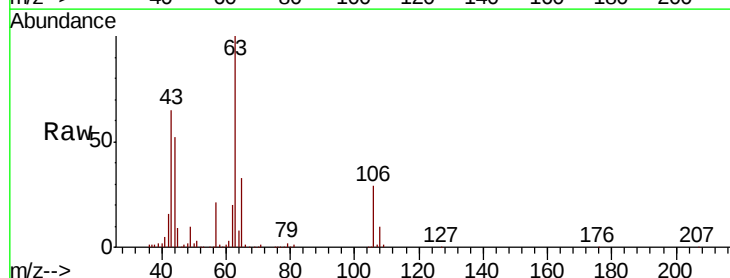
Acq: 22 Jan 2020 19:29

Tgt Ion: 63 Resp: 353557

Ion Ratio Lower Upper

63 100

106 29.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

150000

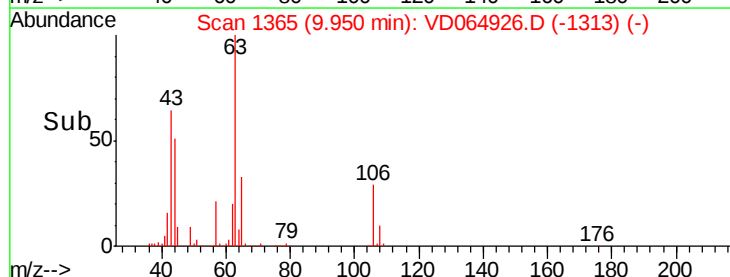
100000

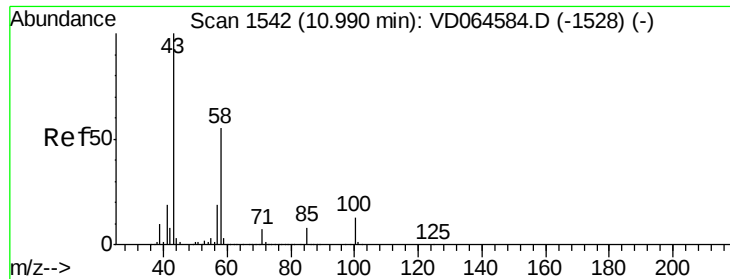
50000

0

Time-->

9.90 10.00 10.10

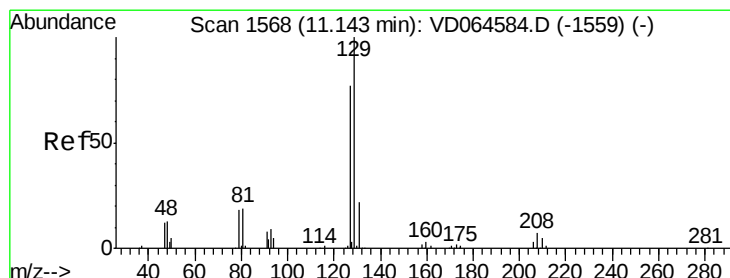
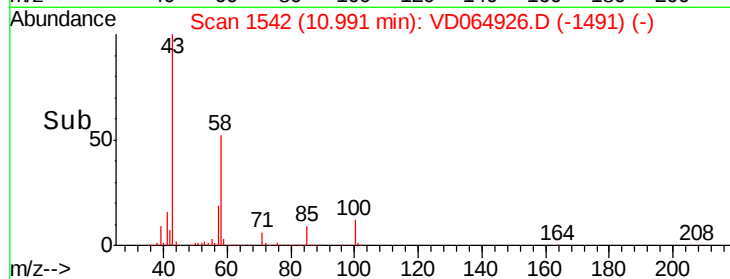
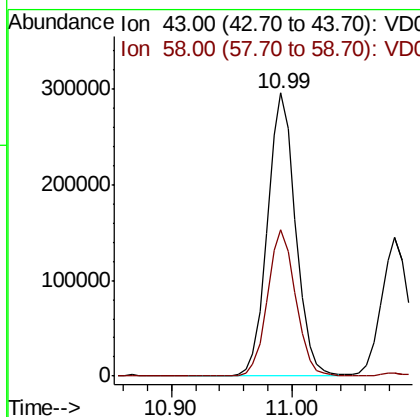
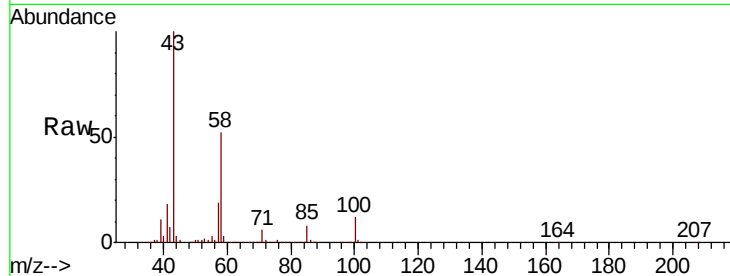




#59
2-Hexanone
Concen: 336.954 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

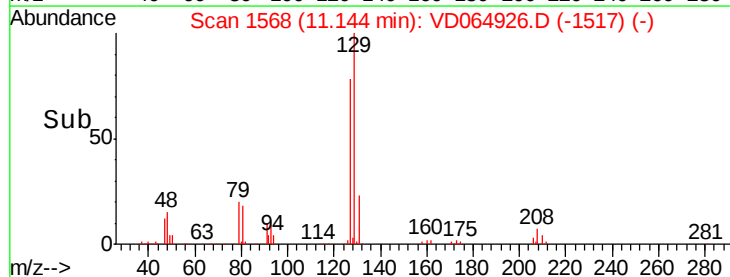
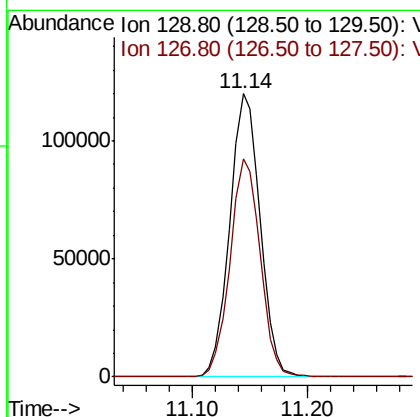
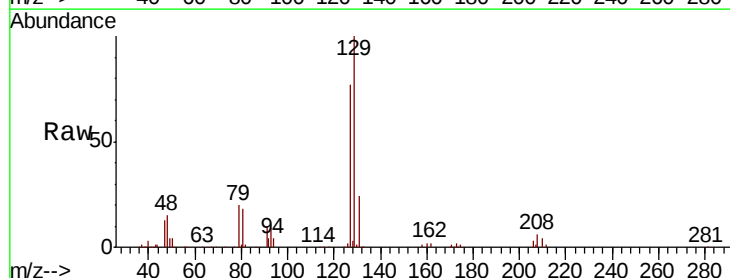
Instrument :
MSVOA_D
ClientSampleId :

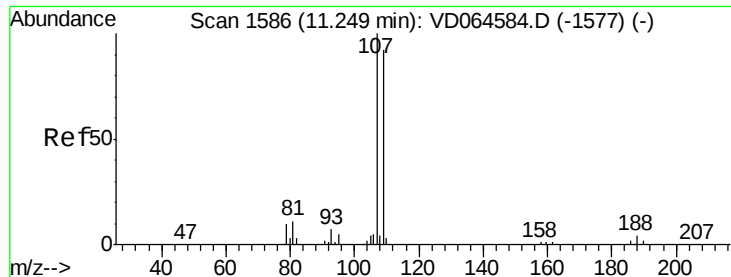
Tot Ion: 43 Resp: 478981
Ion Ratio Lower Upper
43 100
58 51.8 26.4 79.0



#60
Dibromochloromethane
Concen: 59.570 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 129 Resp: 218621
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2

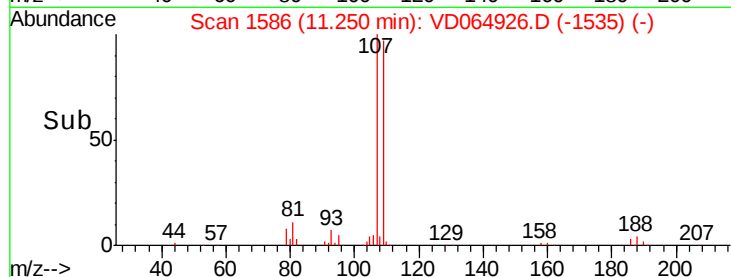
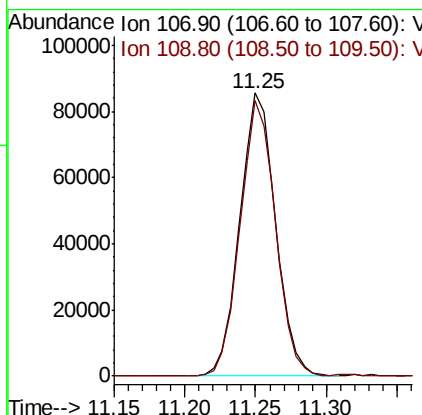
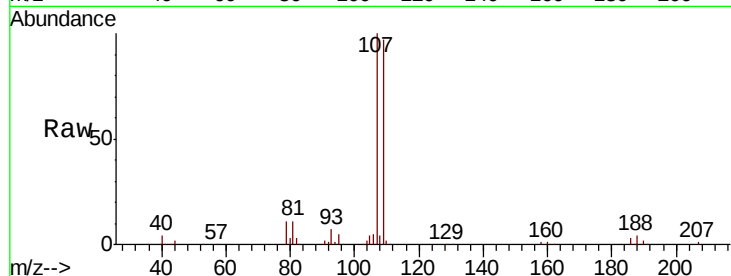




#61
 1,2-Dibromoethane
 Concen: 58.091 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

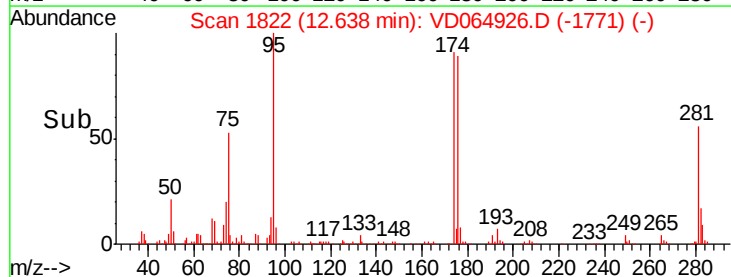
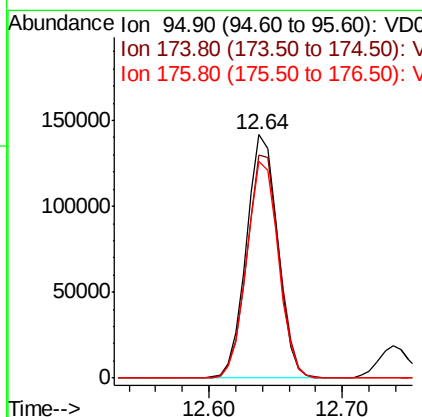
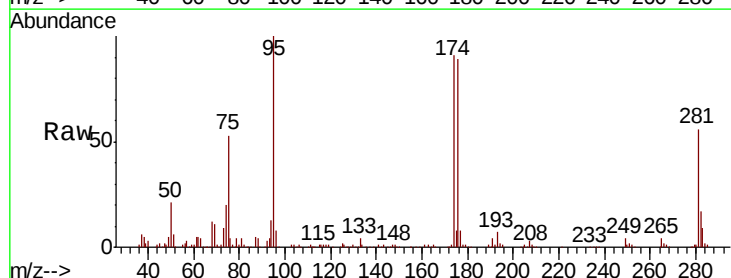
Instrument :
 MSVOA_D
 ClientSampleId :

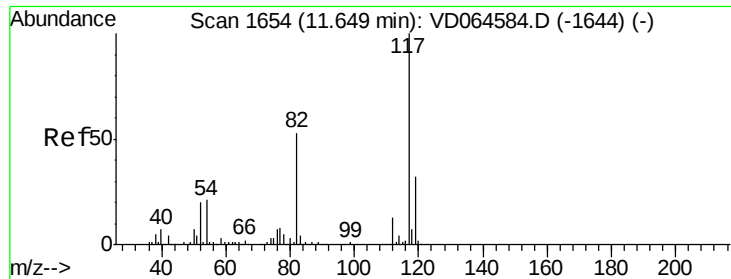
Tot Ion:107 Resp: 152057
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.843 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion: 95 Resp: 229417
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 193.2
 176 89.5 0.0 184.2

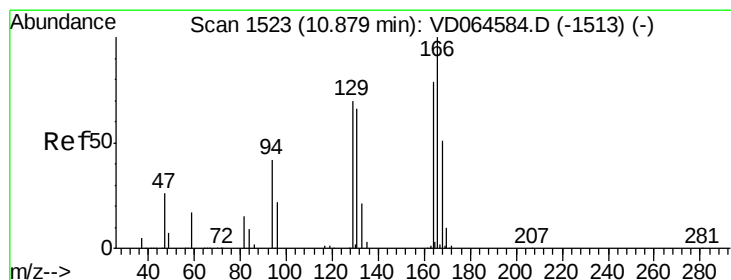
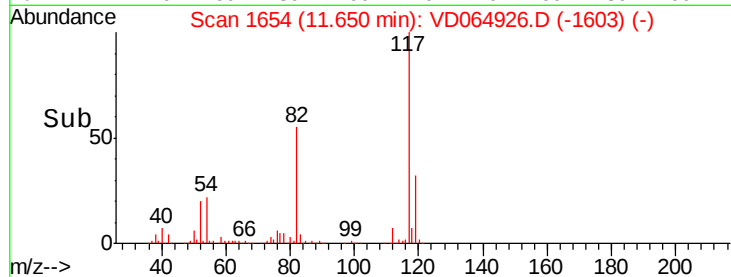
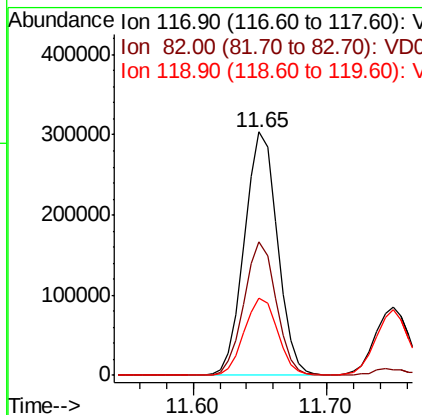
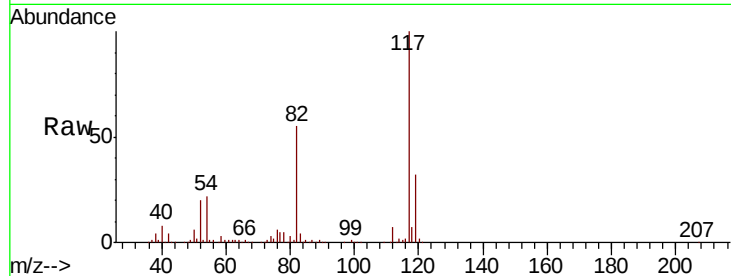




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

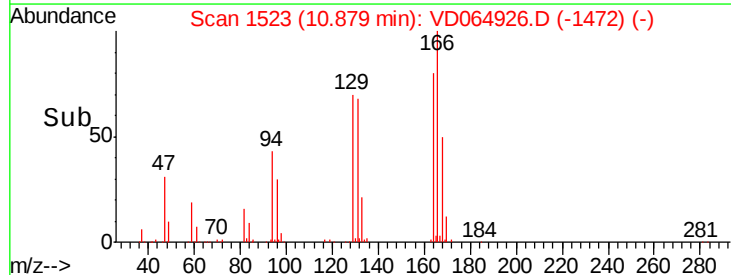
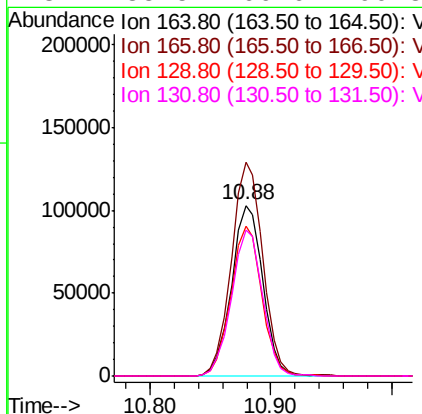
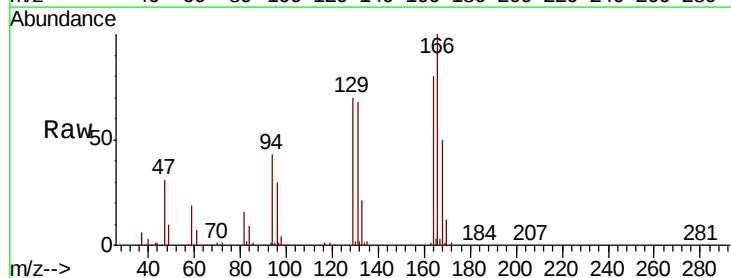
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 518426
Ion Ratio Lower Upper
117 100
82 55.0 42.2 63.4
119 31.6 26.0 39.0



#64
Tetrachloroethene
Concen: 46.921 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion:164 Resp: 186618
Ion Ratio Lower Upper
164 100
166 125.1 101.3 151.9
129 87.7 70.5 105.7
131 85.5 66.6 99.8

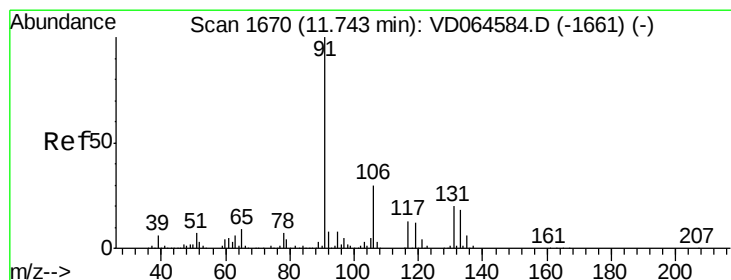
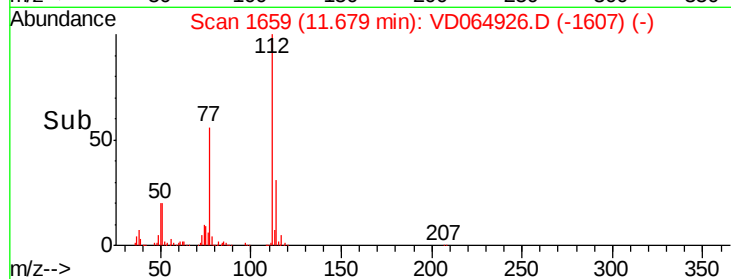
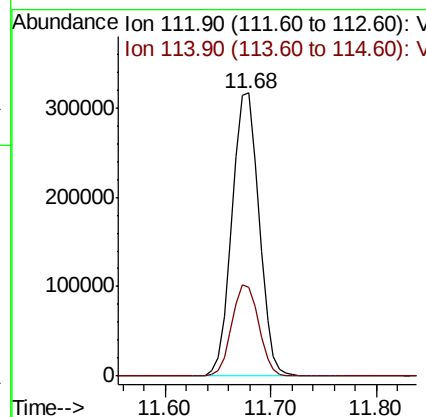
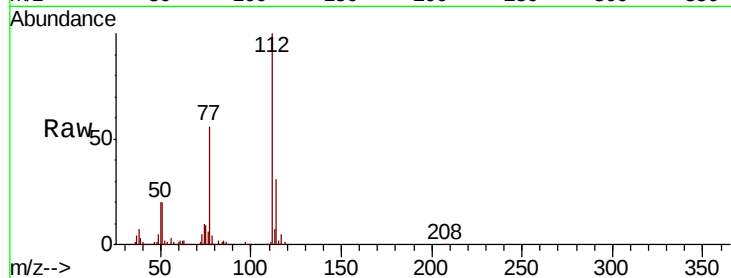




#65
Chlorobenzene
Concen: 52.205 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

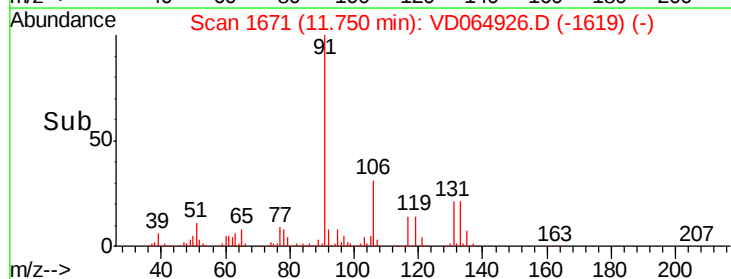
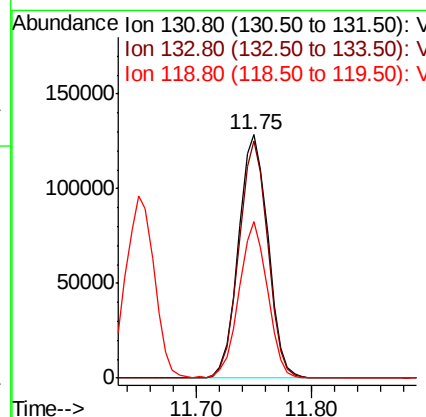
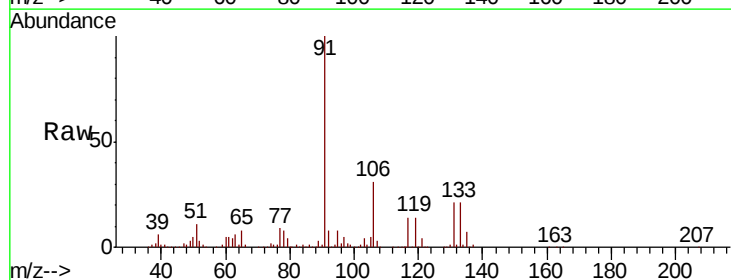
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 561715
Ion Ratio Lower Upper
112 100
114 31.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 56.126 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion:131 Resp: 227665
Ion Ratio Lower Upper
131 100
133 95.3 48.3 144.8
119 62.1 32.1 96.3

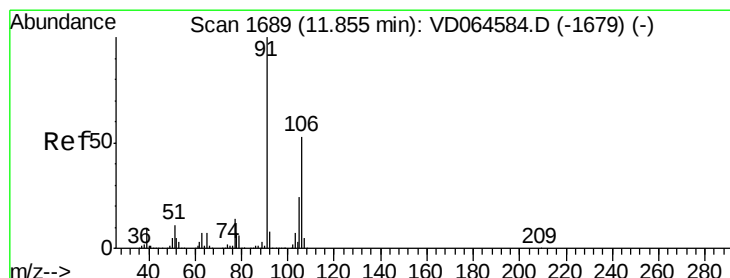
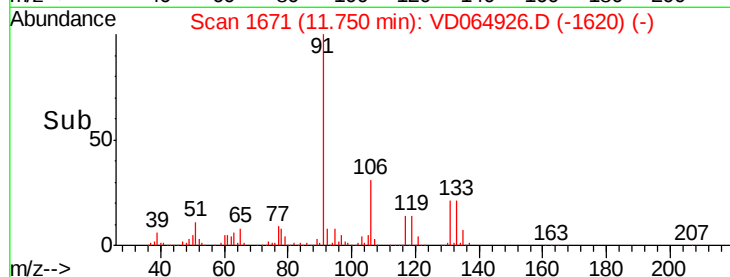
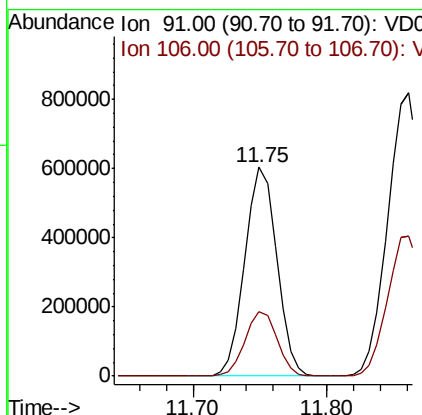
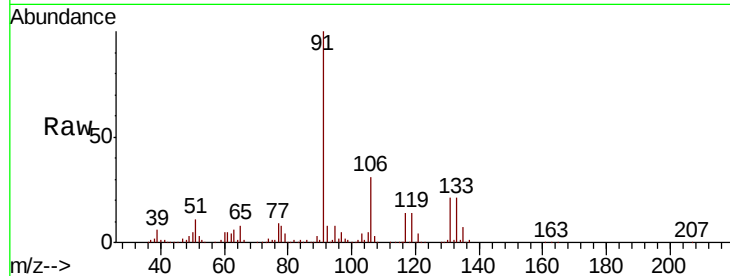




#67
Ethyl Benzene
Concen: 51.250 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

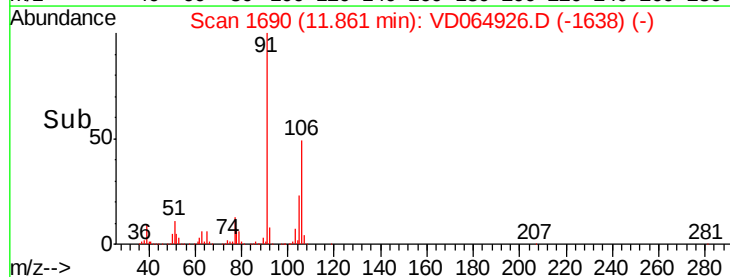
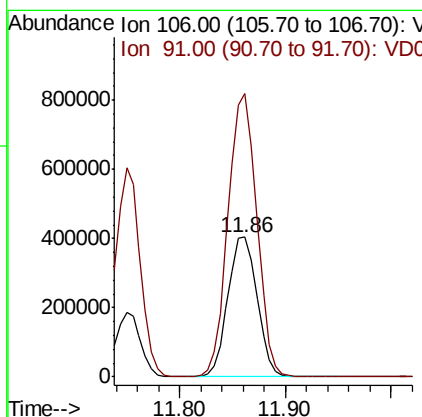
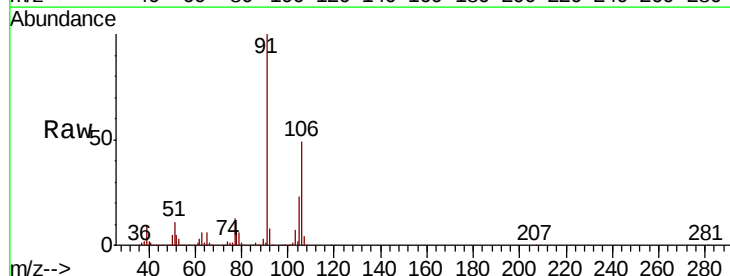
Instrument :
MSVOA_D
ClientSampled :

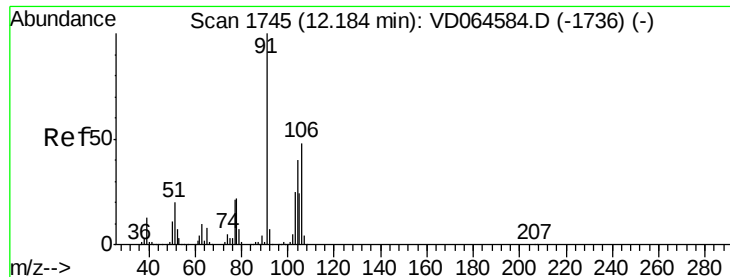
Tot Ion: 91 Resp: 1000899
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 103.042 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 106 Resp: 776743
Ion Ratio Lower Upper
106 100
91 199.0 156.3 234.5

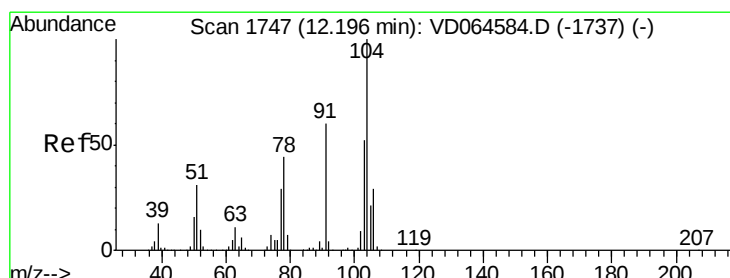
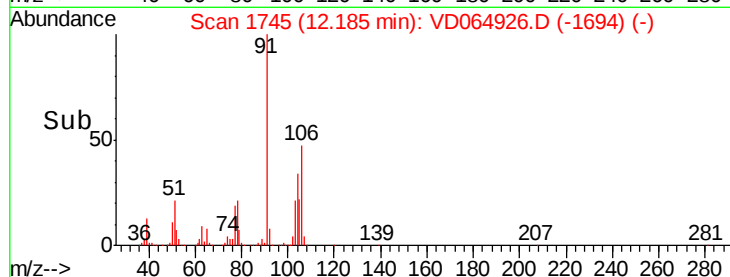
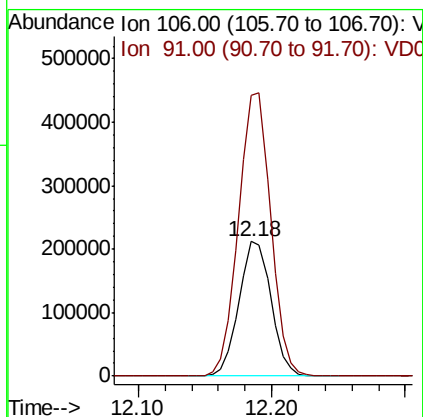
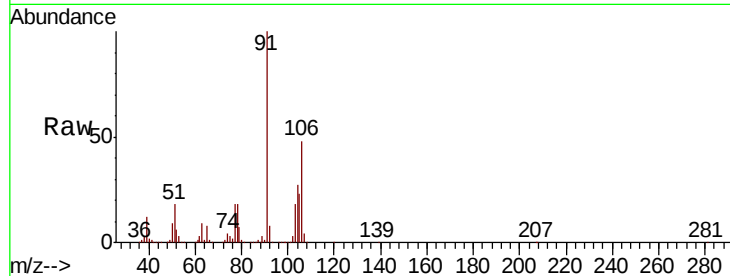




#69
o-Xylene
Concen: 52.043 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

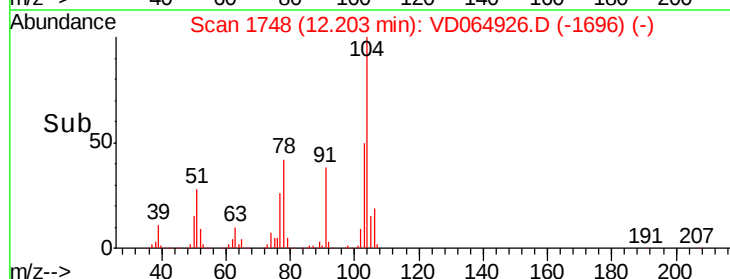
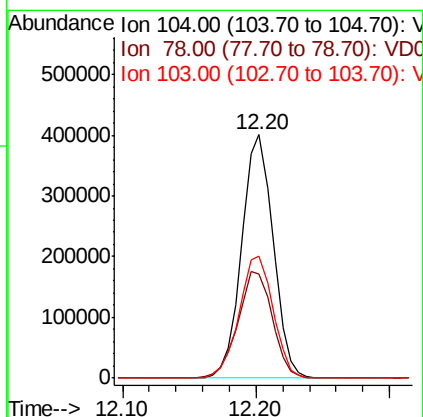
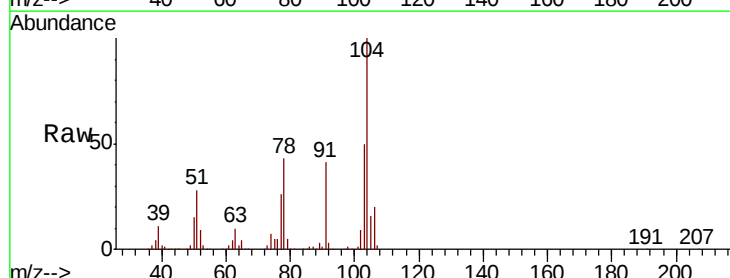
Instrument :
MSVOA_D
ClientSampled :

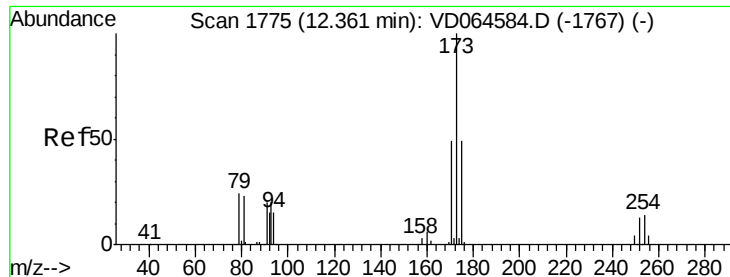
Tot Ion:106 Resp: 354350
Ion Ratio Lower Upper
106 100
91 211.0 104.8 314.4



#70
Styrene
Concen: 54.630 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion:104 Resp: 652906
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 54.5 44.6 67.0





#71

Bromoform

Concen: 57.174 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

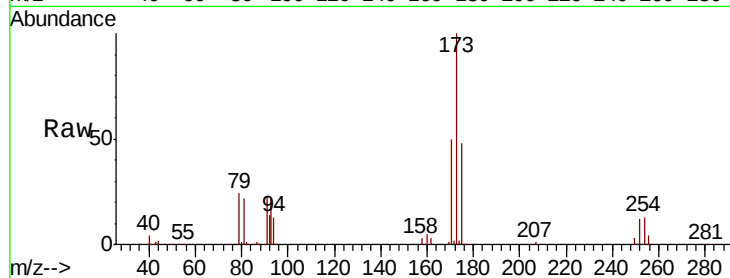
Tot Ion:173 Resp: 132255

Ion Ratio Lower Upper

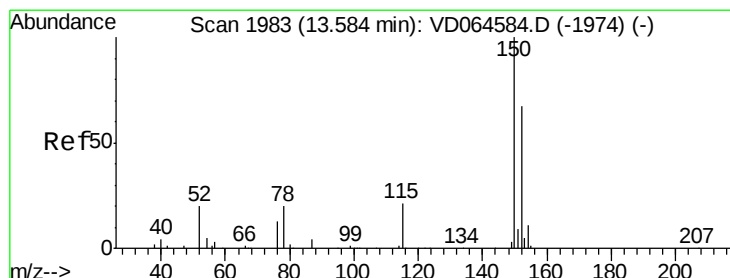
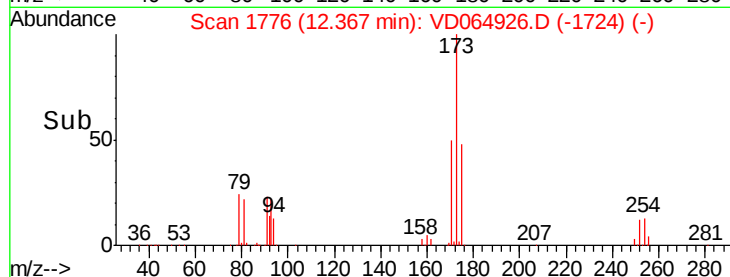
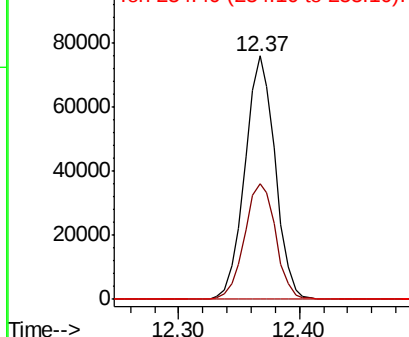
173 100

175 49.0 24.6 73.8

254 0.0 0.1 0.1#



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# 1983

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

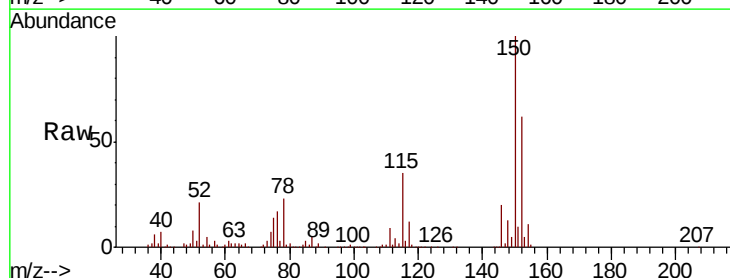
Tgt Ion:152 Resp: 261539

Ion Ratio Lower Upper

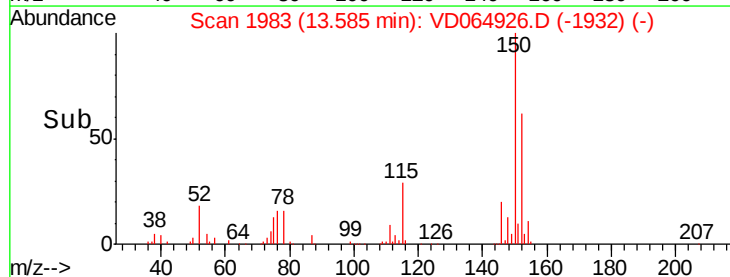
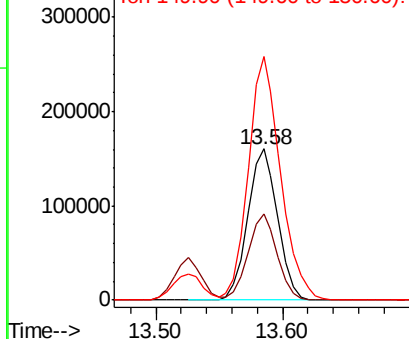
152 100

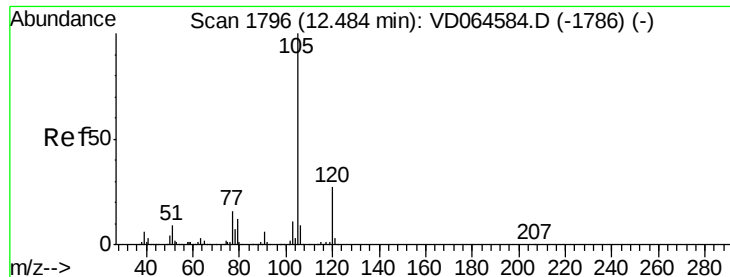
115 55.1 27.8 83.4

150 173.6 0.0 351.4



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: 50.907 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

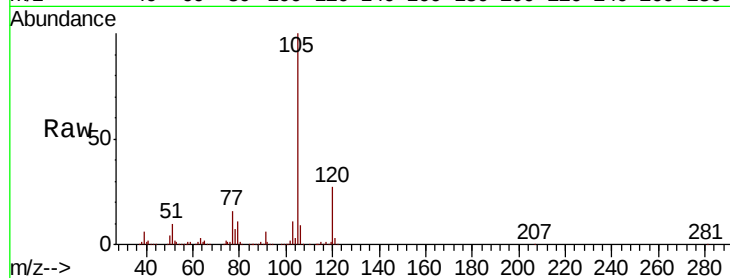
ClientSampleId :

Tot Ion:105 Resp: 951451

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

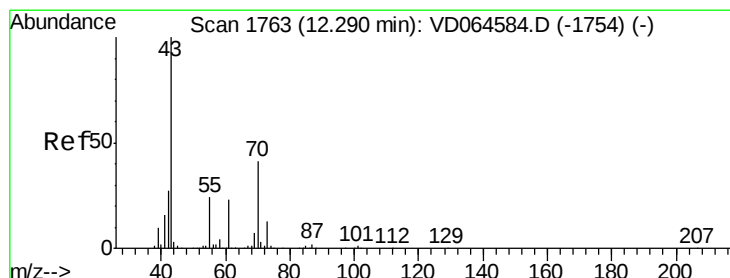
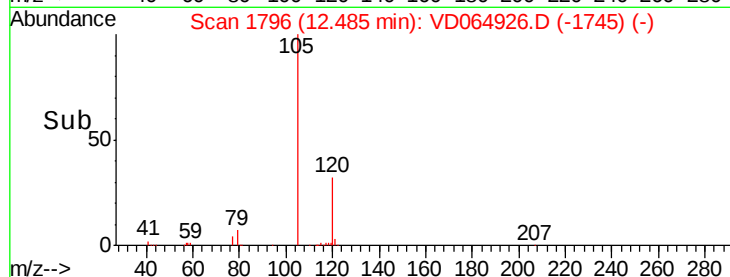
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 60.985 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion: 43 Resp: 243654

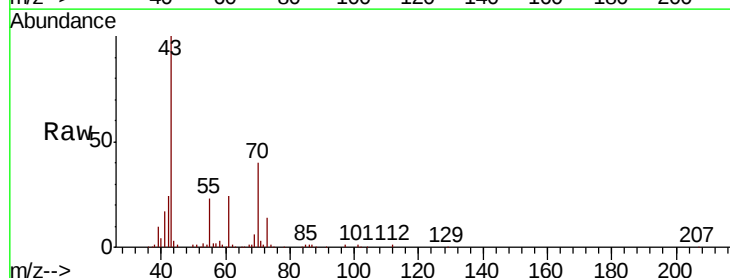
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.8 19.4 29.0

61 23.2 18.3 27.5



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

250000

200000

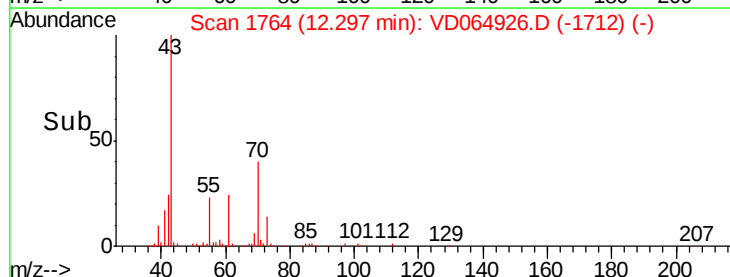
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.065 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

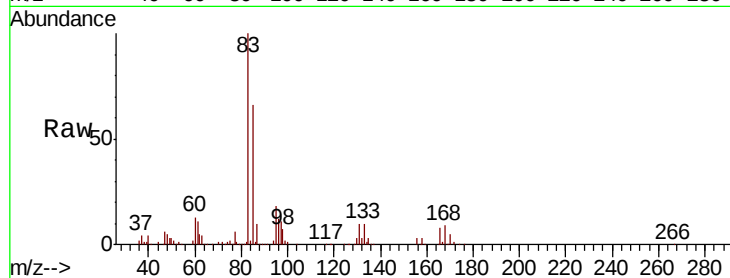
Tot Ion: 83 Resp: 176354

Ion Ratio Lower Upper

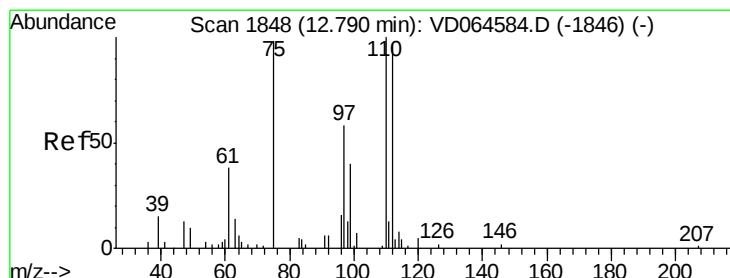
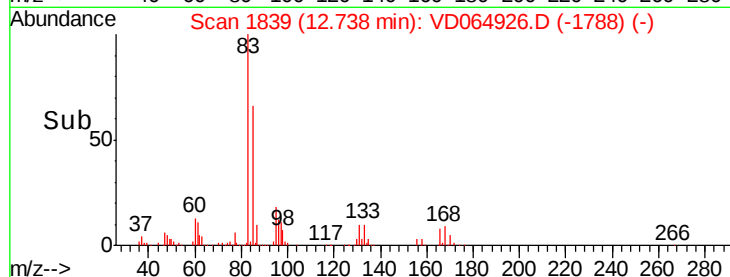
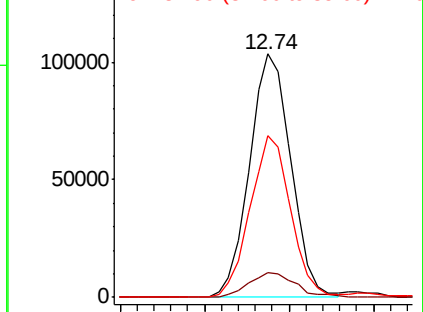
83 100

131 11.6 5.8 17.4

85 65.0 32.3 96.9



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: 112.906 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064926.D

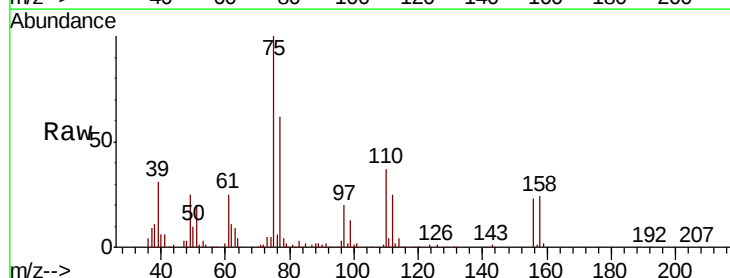
Acq: 22 Jan 2020 19:29

Tgt Ion: 75 Resp: 233182

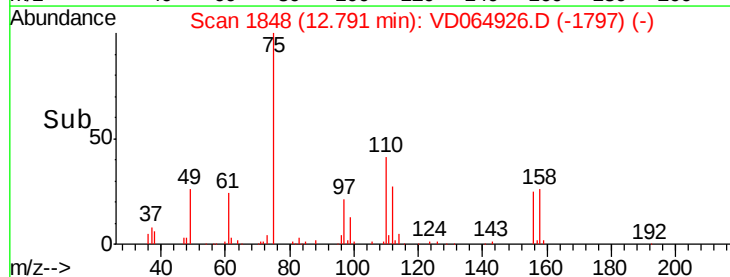
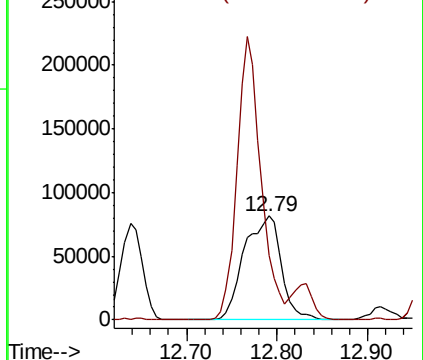
Ion Ratio Lower Upper

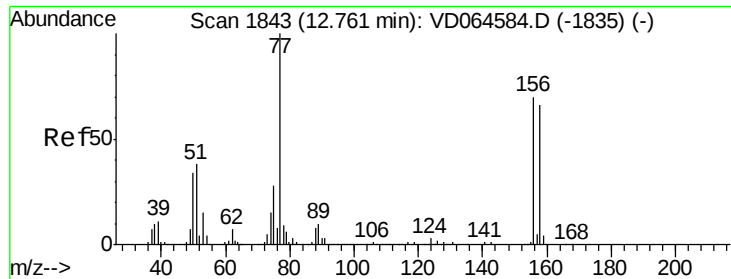
75 100

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: 52.563 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampled :

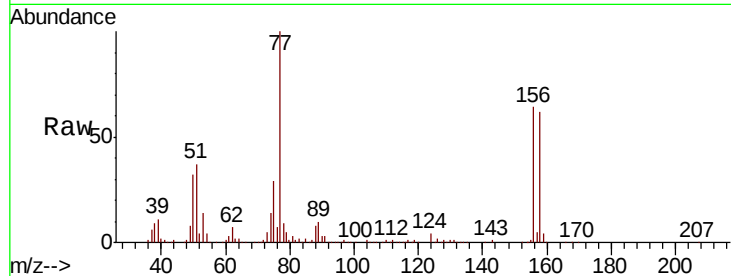
Tot Ion:156 Resp: 241393

Ion Ratio Lower Upper

156 100

77 170.0 80.9 242.7

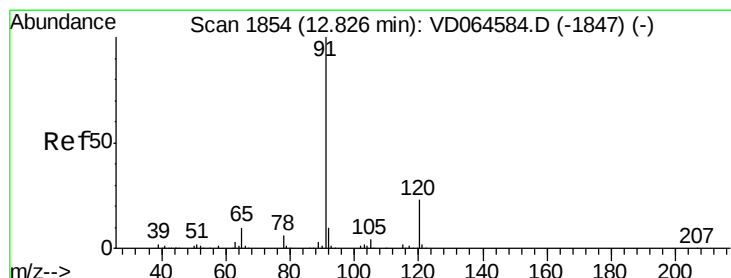
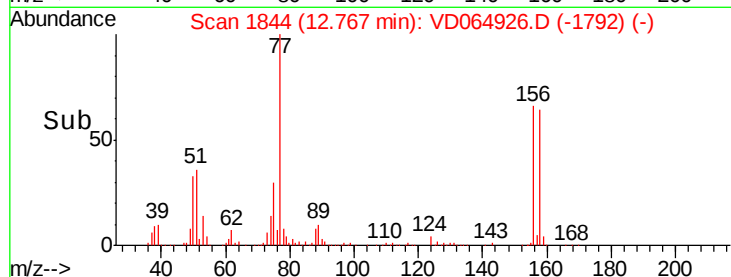
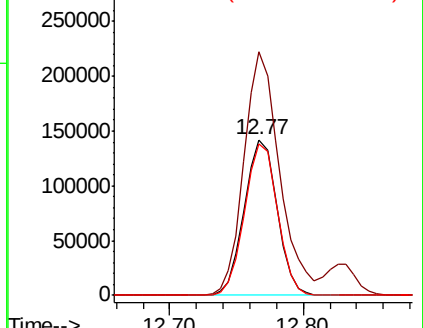
158 97.5 48.0 144.2



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: 51.675 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064926.D

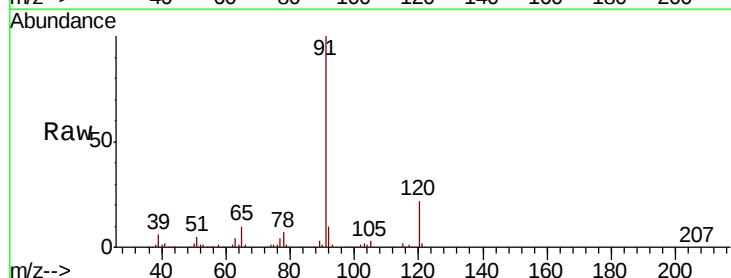
Acq: 22 Jan 2020 19:29

Tgt Ion: 91 Resp: 1126739

Ion Ratio Lower Upper

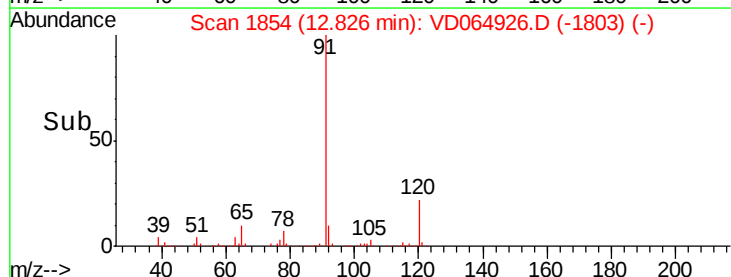
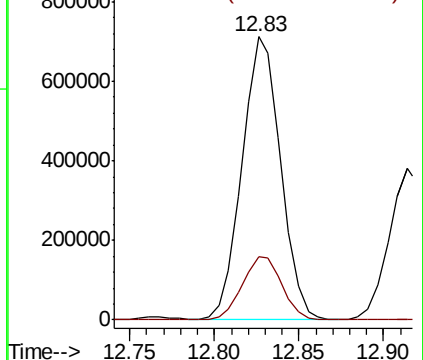
91 100

120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

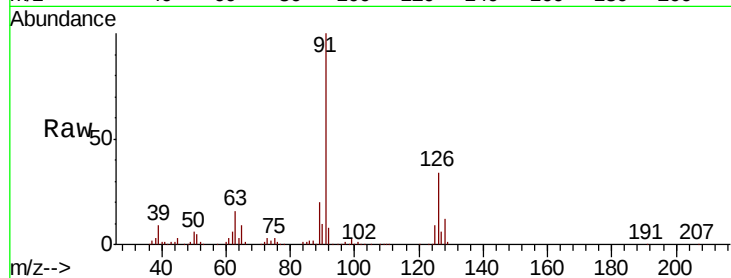




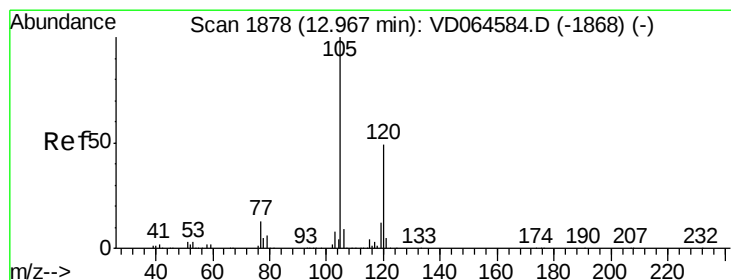
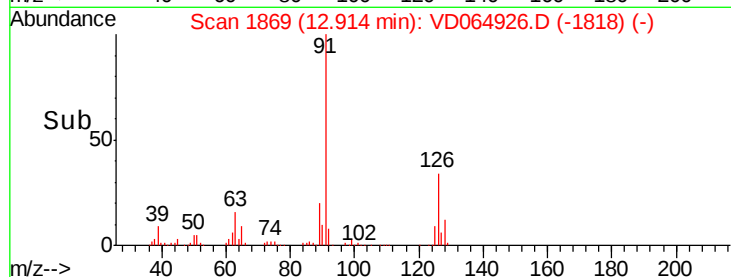
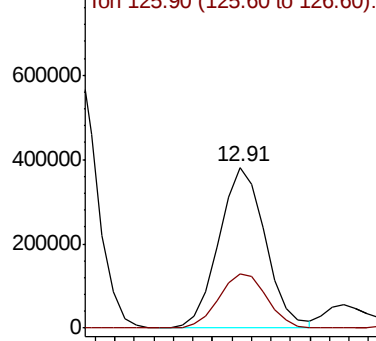
#79
2-Chlorotoluene
Concen: 52.459 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 628358
Ion Ratio Lower Upper
91 100
126 34.7 17.8 53.5

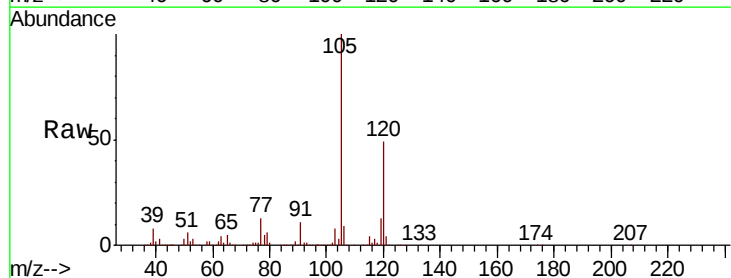


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

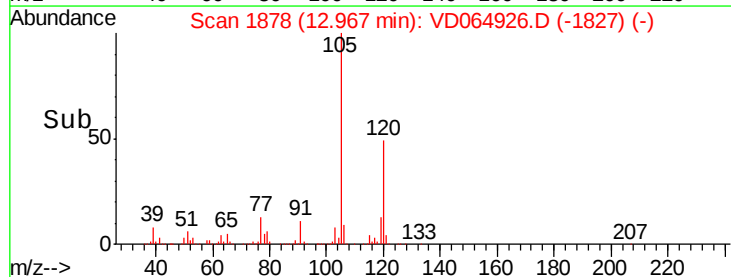
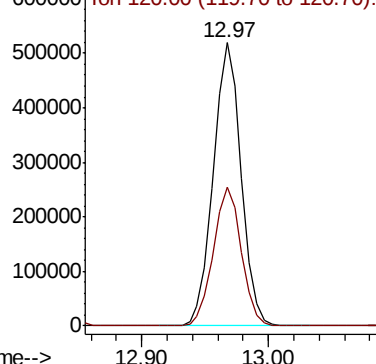


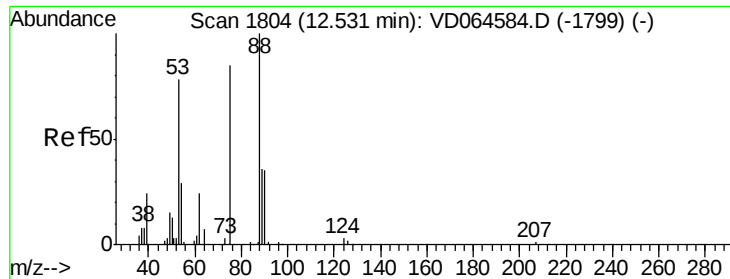
#80
1,3,5-Trimethylbenzene
Concen: 51.298 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 105 Resp: 787583
Ion Ratio Lower Upper
105 100
120 49.5 25.0 75.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 60.676 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

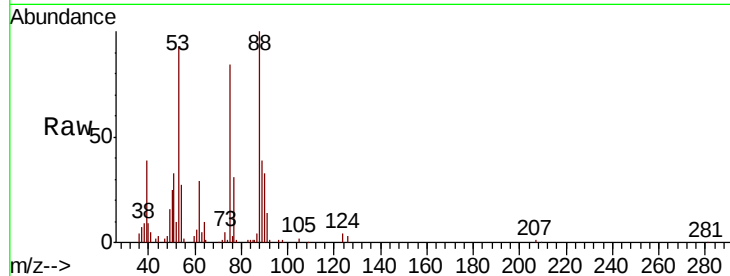
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 75 Resp: 59916

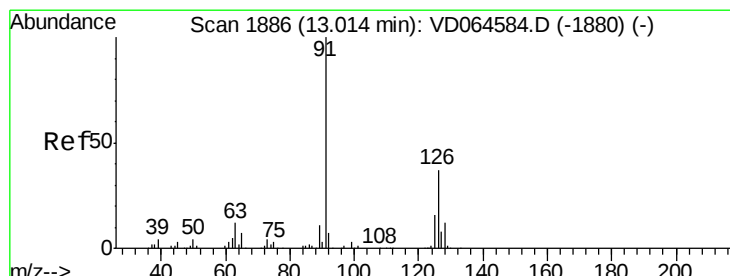
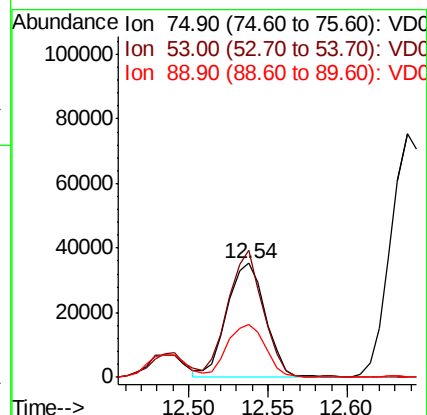
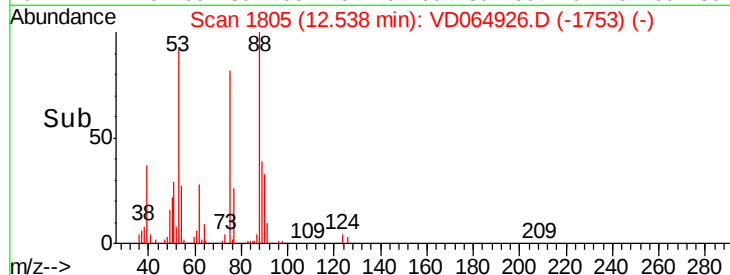
Ion	Ratio	Lower	Upper
75	100		
53	99.7	78.8	118.2
89	45.9	38.3	57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.317 ug/l

RT: 13.01 min Scan# 1886

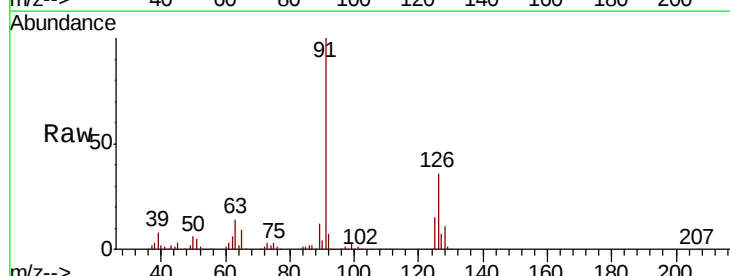
Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

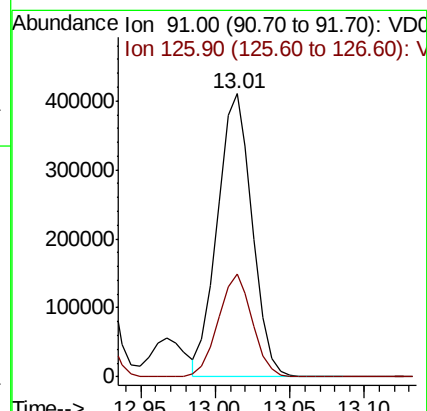
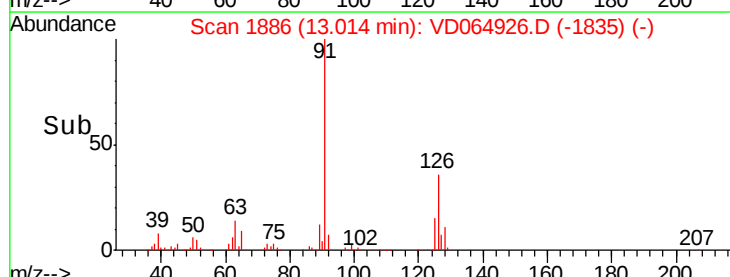
Tgt Ion: 91 Resp: 666886

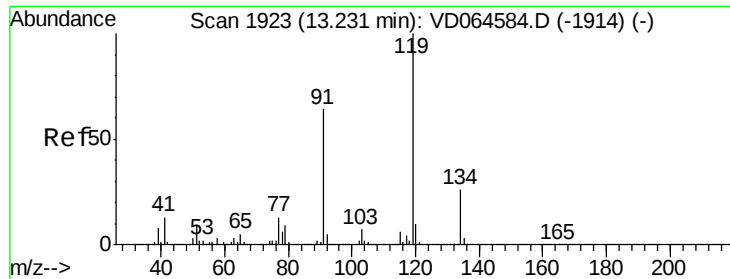
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

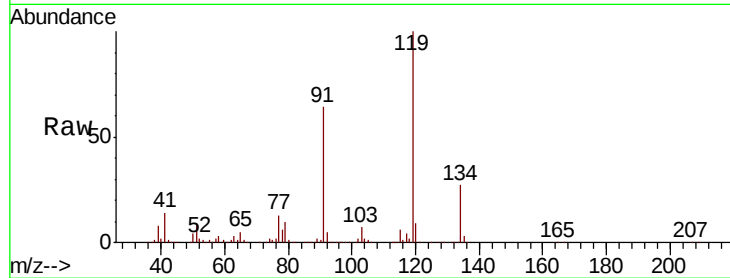




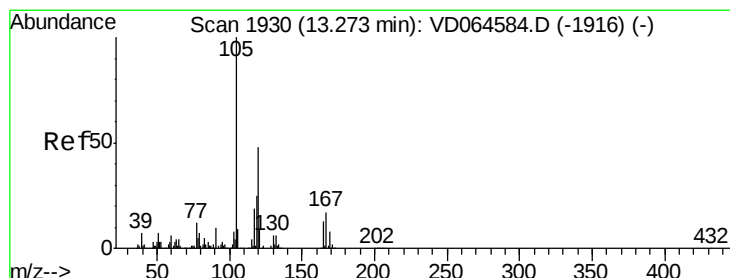
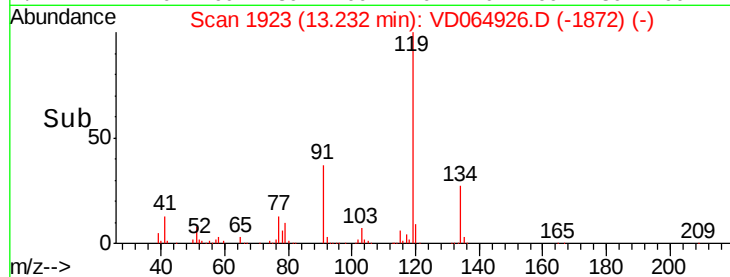
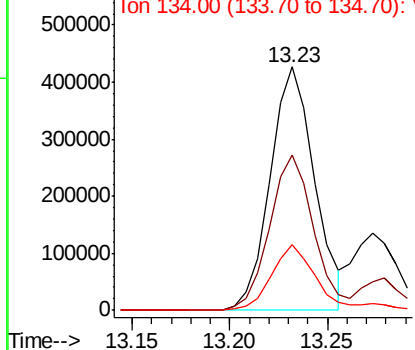
#83
tert-Butylbenzene
Concen: 50.412 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 672012
Ion Ratio Lower Upper
119 100
91 63.4 30.8 92.4
134 28.0 12.8 38.3

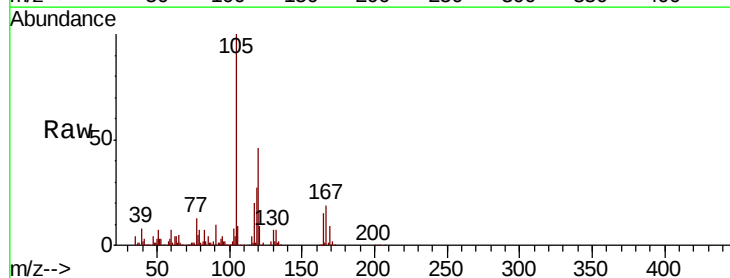


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

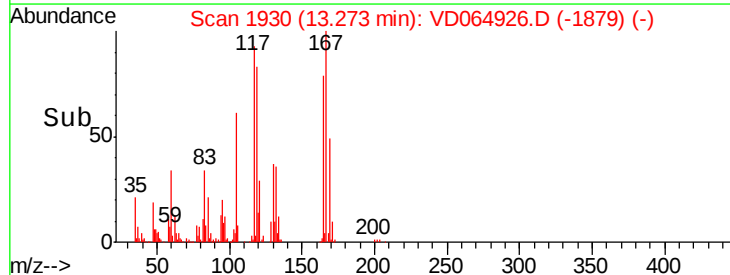
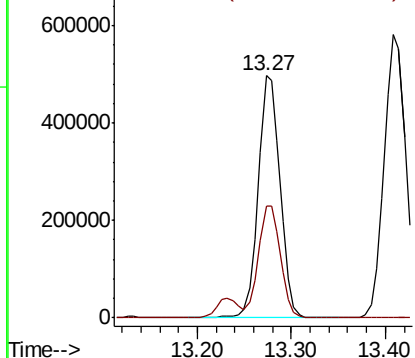


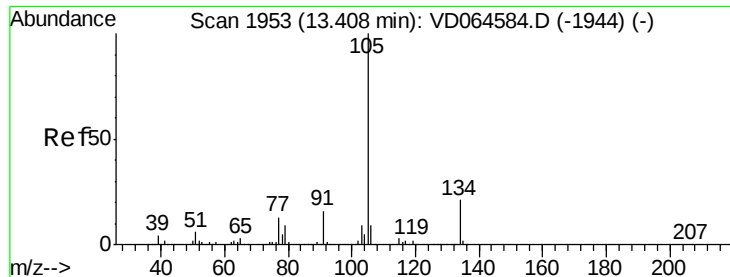
#84
1,2,4-Trimethylbenzene
Concen: 52.066 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion:105 Resp: 796125
Ion Ratio Lower Upper
105 100
120 46.6 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 50.900 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

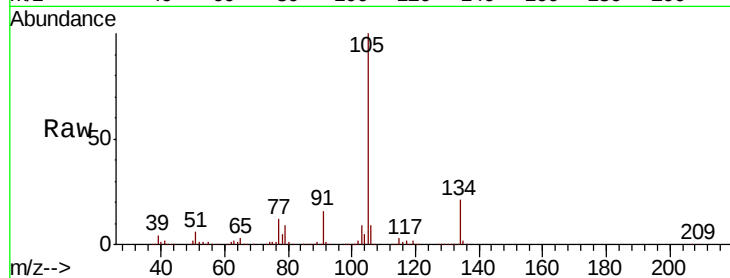
ClientSampled :

Tot Ion:105 Resp: 930203

Ion Ratio Lower Upper

105 100

134 20.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

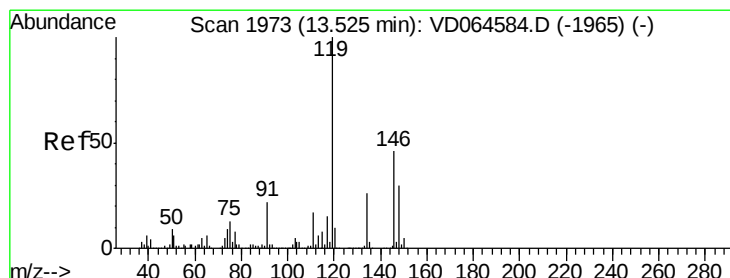
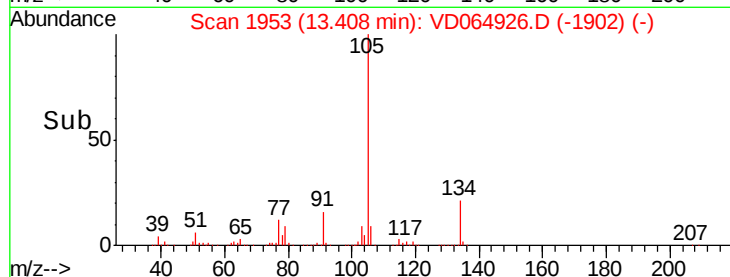
600000

400000

200000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 49.962 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

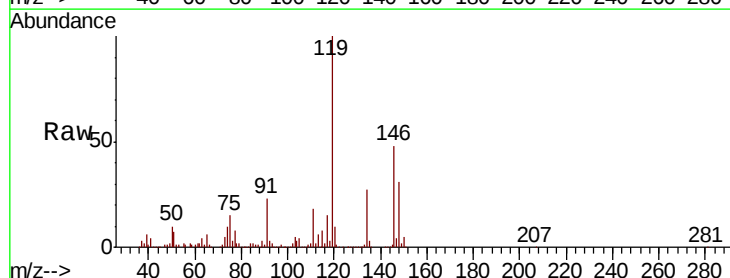
Tgt Ion:119 Resp: 873062

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.2 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

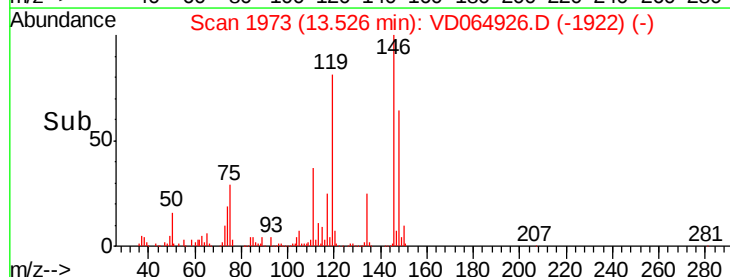
600000

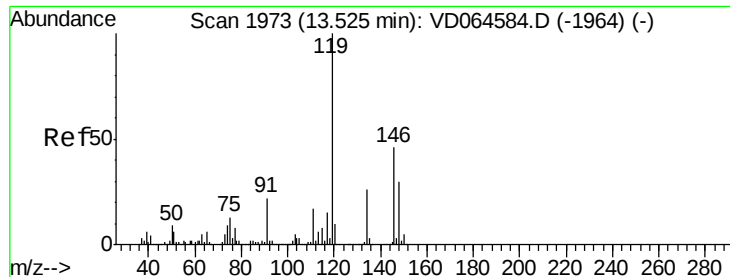
400000

200000

0

Time--> 13.45 13.50 13.55 13.60

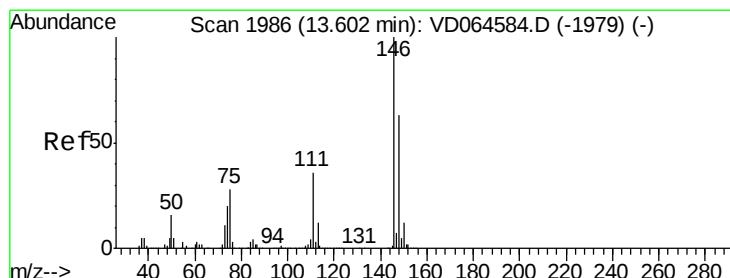
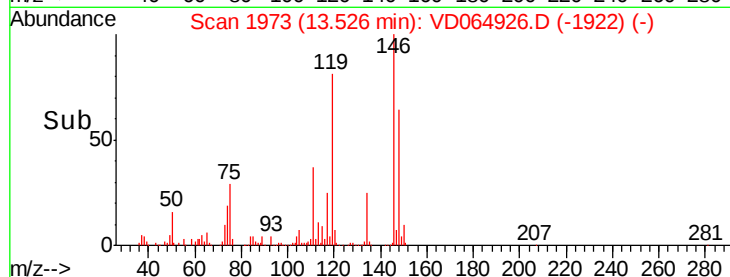
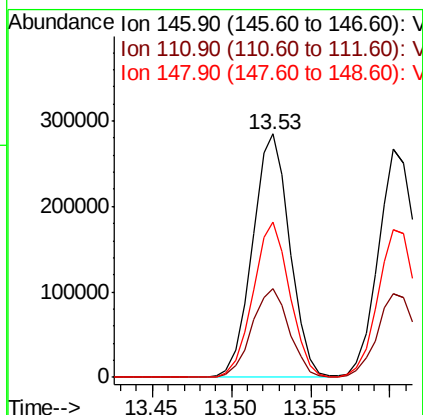
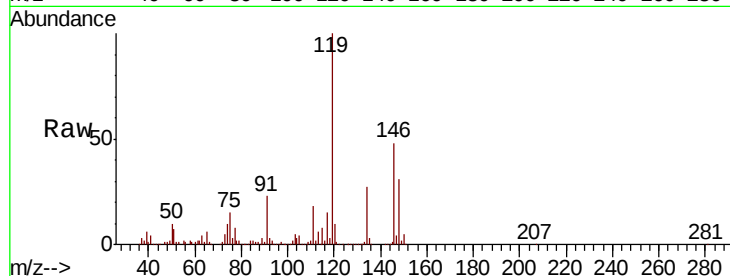




#87
 1,3-Dichlorobenzene
 Concen: 53.098 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

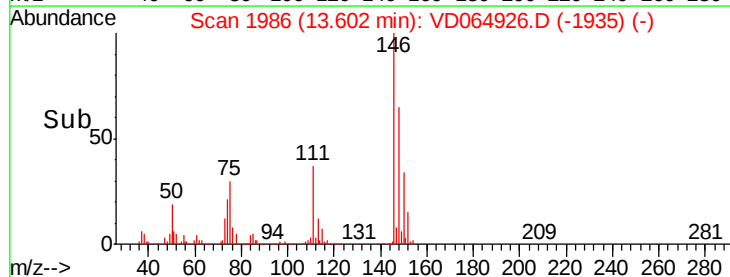
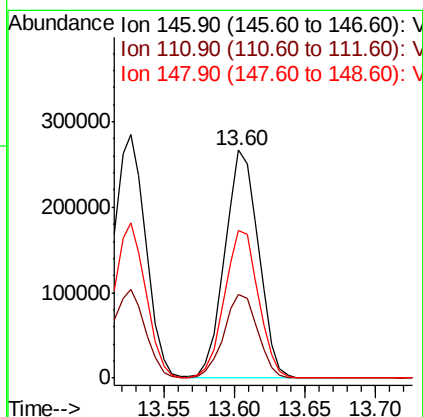
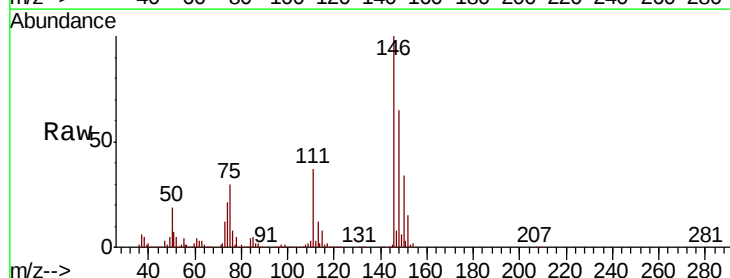
Instrument :
 MSVOA_D
 ClientSampleId :

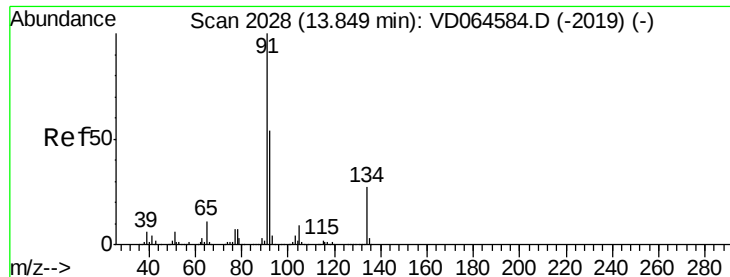
Tot Ion:146 Resp: 464862
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.8 56.4
 148 62.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 51.646 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion:146 Resp: 444174
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.1
 148 65.1 32.3 96.9

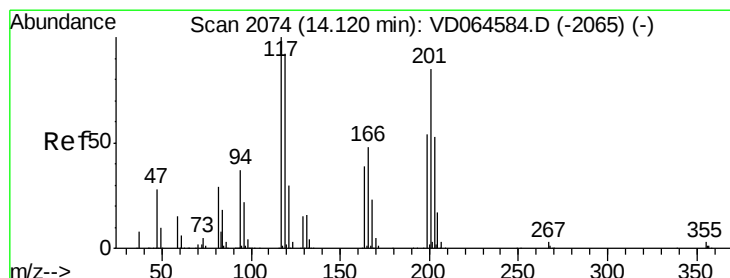
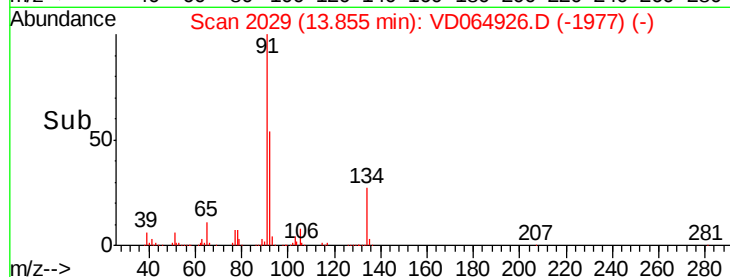
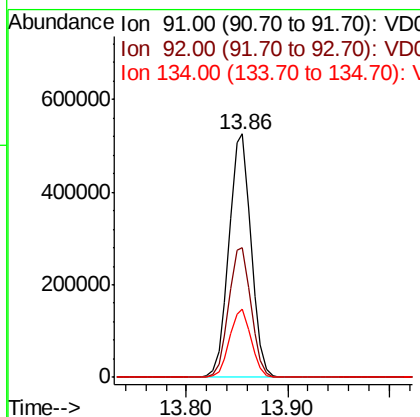
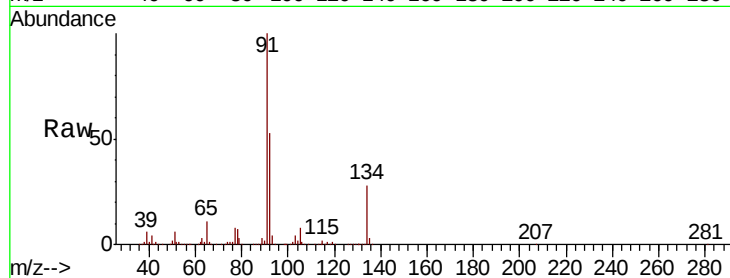




#89
n-Butylbenzene
Concen: 50.383 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

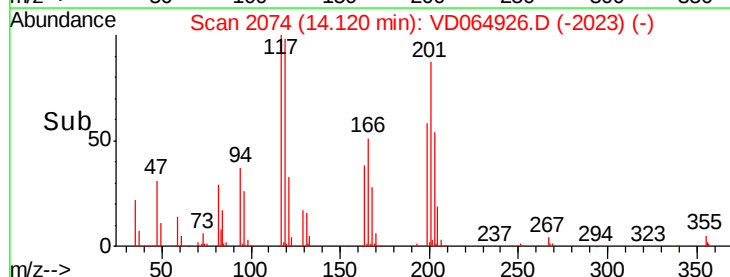
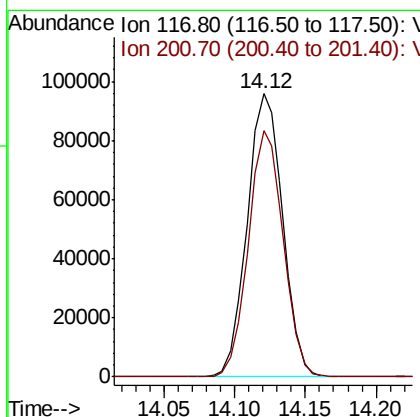
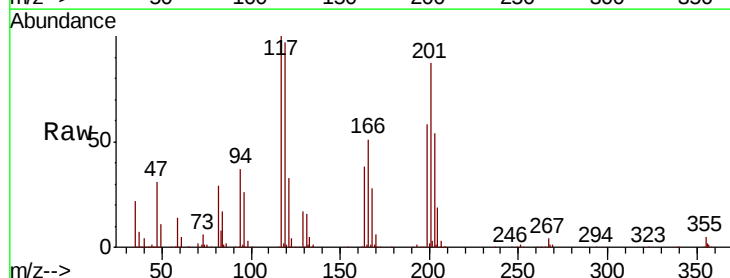
Instrument :
MSVOA_D
ClientSampleId :

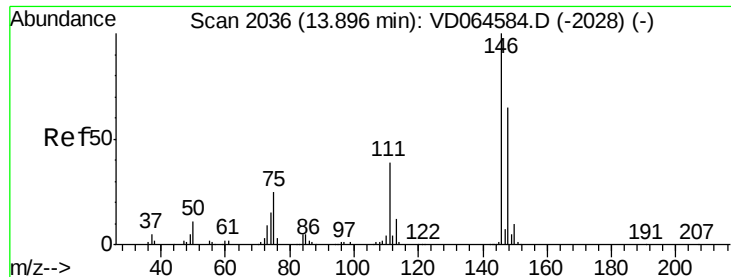
Tot Ion: 91 Resp: 792848
Ion Ratio Lower Upper
91 100
92 54.0 26.8 80.4
134 27.4 14.0 41.9



#90
Hexachloroethane
Concen: 50.761 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 117 Resp: 169439
Ion Ratio Lower Upper
117 100
201 85.3 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 53.150 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

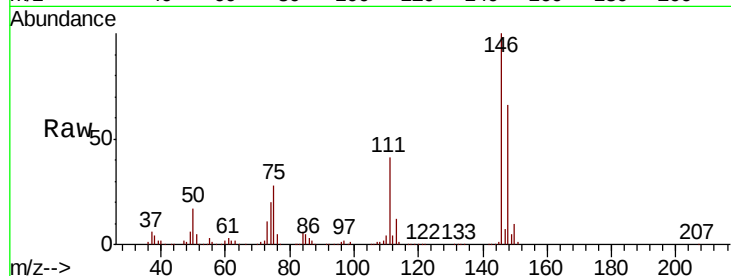
Tot Ion:146 Resp: 396773

Ion Ratio Lower Upper

146 100

111 39.4 19.3 57.9

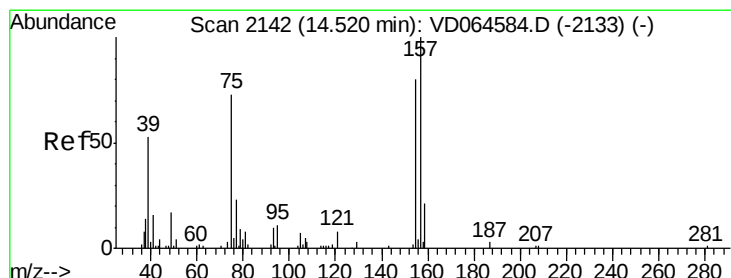
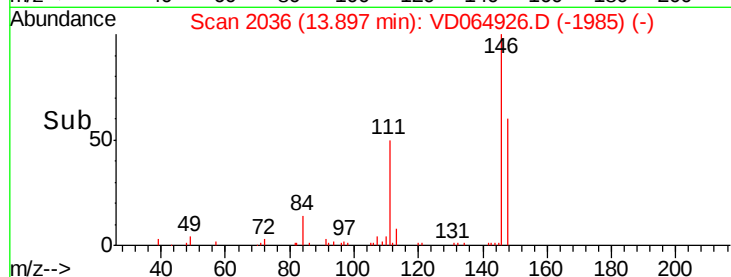
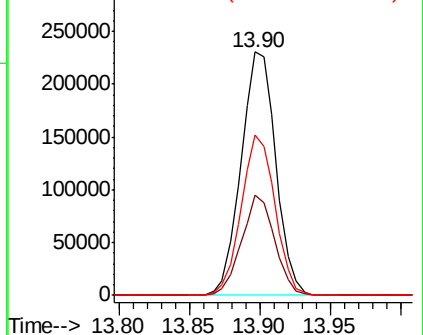
148 64.5 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.279 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

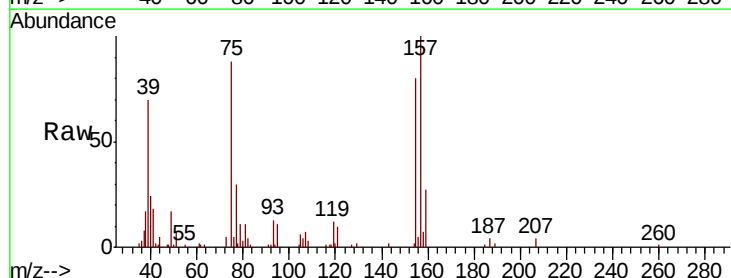
Tgt Ion: 75 Resp: 28691

Ion Ratio Lower Upper

75 100

155 92.0 48.0 144.0

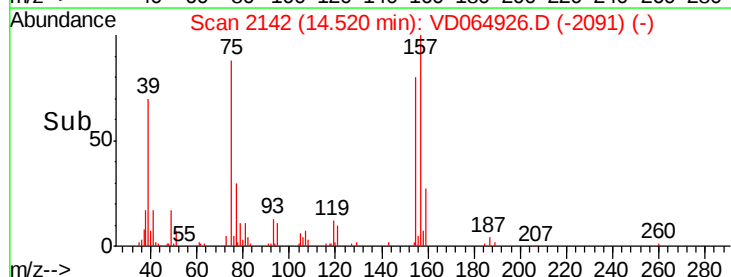
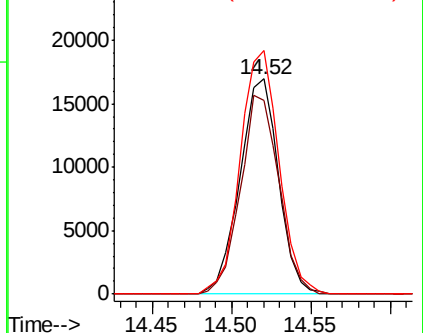
157 113.9 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

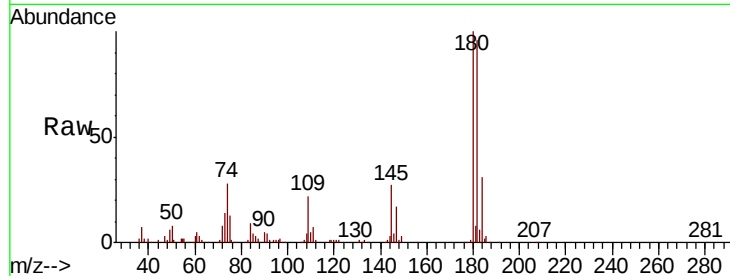




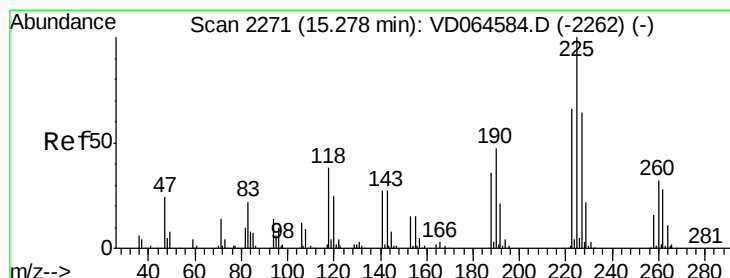
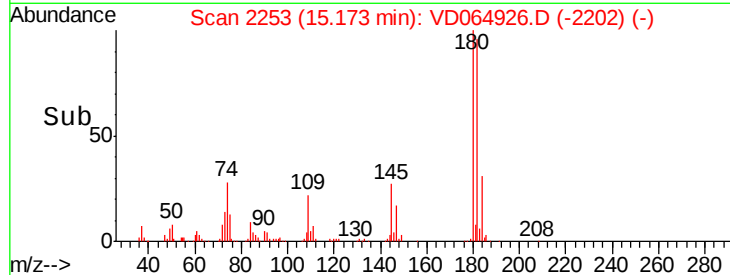
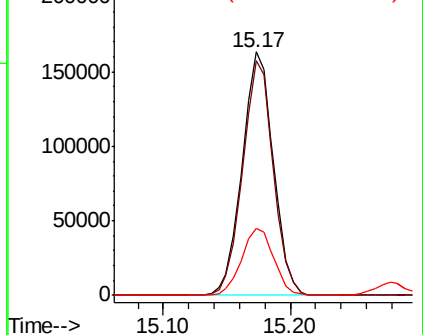
#93
 1,2,4-Trichlorobenzene
 Concen: 50.653 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	28.3	13.8	41.4

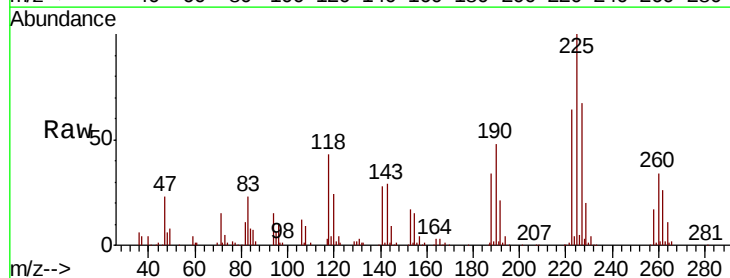


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

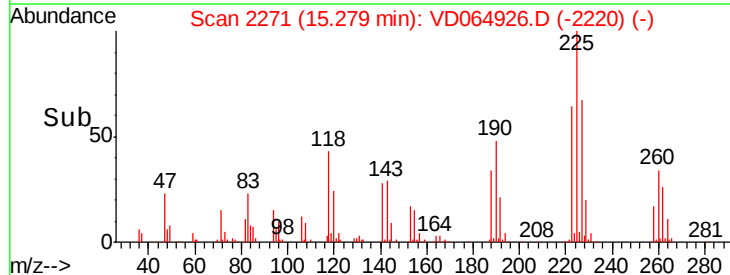
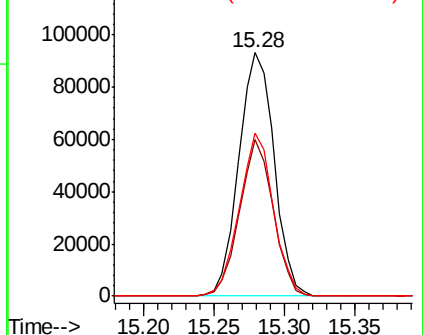


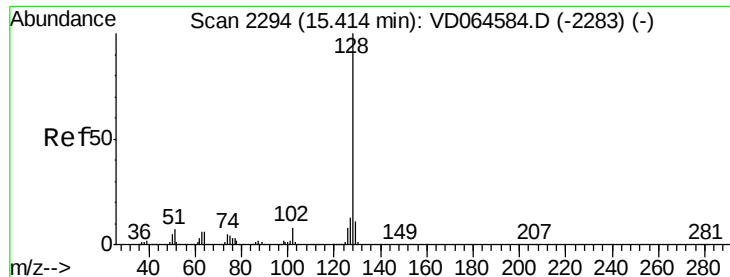
#94
 Hexachlorobutadiene
 Concen: 47.225 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.1	93.2
227	64.3	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

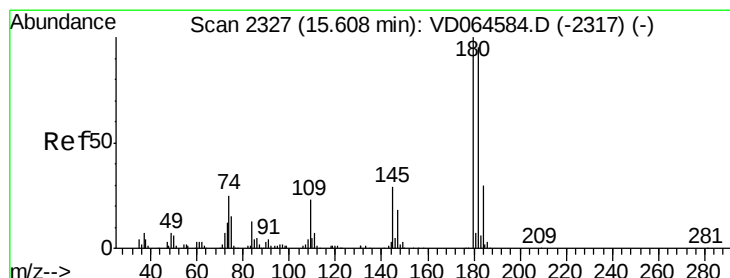
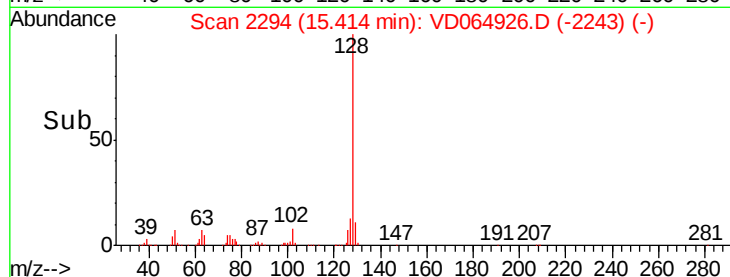
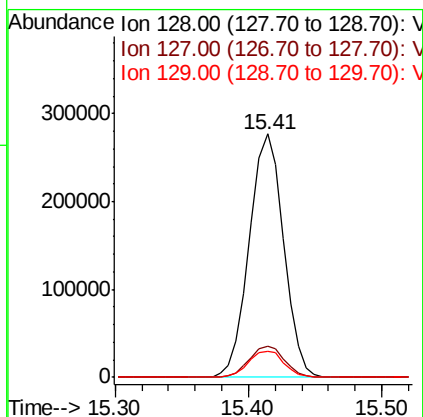
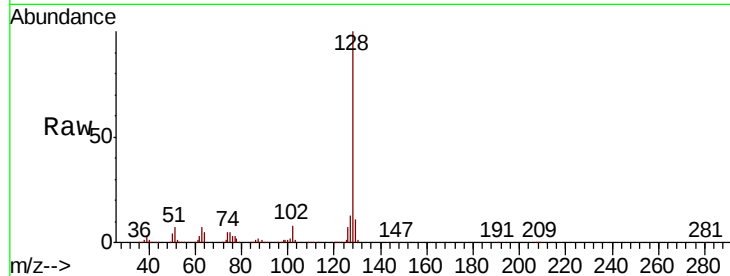




#95
Naphthalene
Concen: 56.512 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 491422
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.745 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion:180 Resp: 247509
Ion Ratio Lower Upper
180 100
182 93.4 47.9 143.7
145 29.0 14.9 44.7

