

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064193.D
 Acq On : 11 Nov 2019 22:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:52:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	605295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	921569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	811819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	397184	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	277233	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
35) Dibromofluoromethane	7.92	113	268946	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
50) Toluene-d8	10.34	98	988563	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.64	95	346203	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	238388	47.486	ug/l	100
3) Chloromethane	2.21	50	318763	59.198	ug/l	98
4) Vinyl Chloride	2.35	62	336334	58.409	ug/l	98
5) Bromomethane	2.77	94	214735	59.057	ug/l	99
6) Chloroethane	2.92	64	226541	61.570	ug/l	97
7) Trichlorofluoromethane	3.27	101	523872	56.114	ug/l	97
8) Diethyl Ether	3.70	74	151136	58.877	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	266468	49.938	ug/l	98
10) Methyl Iodide	4.29	142	304092	49.927	ug/l	99
11) Tert butyl alcohol	5.25	59	106557	306.458	ug/l	95
12) 1,1-Dichloroethene	4.06	96	273781	53.829	ug/l	98
13) Acrolein	3.93	56	92978	316.090	ug/l	100
14) Allyl chloride	4.70	41	498983	55.487	ug/l	98
15) Acrylonitrile	5.43	53	330171	301.707	ug/l	99
16) Acetone	4.17	43	315801	267.778	ug/l	96
17) Carbon Disulfide	4.40	76	854462	53.946	ug/l	99
18) Methyl Acetate	4.73	43	211995	64.359	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	731655	60.258	ug/l	98
20) Methylene Chloride	4.96	84	311760	52.333	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	321821	55.848	ug/l	96
22) Diisopropyl ether	6.37	45	989097	59.279	ug/l	98
23) Vinyl Acetate	6.31	43	2765183	297.304	ug/l	99
24) 1,1-Dichloroethane	6.26	63	557018	57.495	ug/l	99
25) 2-Butanone	7.22	43	450783	295.859	ug/l	100
26) 2,2-Dichloropropane	7.21	77	469364	49.402	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	362504	58.662	ug/l	96
28) Bromochloromethane	7.55	49	217703	64.545	ug/l	98
29) Tetrahydrofuran	7.57	42	290271	317.086	ug/l	99
30) Chloroform	7.71	83	589127	59.449	ug/l	99
31) Cyclohexane	7.98	56	466015	47.696	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	517398	54.526	ug/l	99
36) 1,1-Dichloropropene	8.11	75	424915	49.959	ug/l	99
37) Ethyl Acetate	7.30	43	201835	56.290	ug/l	99
38) Carbon Tetrachloride	8.09	117	449935	49.439	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	499506	46.413	ug/l	98
40) Benzene	8.35	78	1232783	53.034	ug/l	98
41) Methacrylonitrile	7.53	41	118558	52.607	ug/l	95
42) 1,2-Dichloroethane	8.43	62	390790	55.975	ug/l	99
43) Isopropyl Acetate	8.46	43	419600	56.796	ug/l	99
44) Trichloroethene	9.11	130	359007	51.459	ug/l	98
45) 1,2-Dichloropropane	9.39	63	308655	54.554	ug/l	96
46) Dibromomethane	9.48	93	166827	55.078	ug/l	97
47) Bromodichloromethane	9.67	83	454748	55.737	ug/l	98
48) Methyl methacrylate	9.46	41	195314	54.066	ug/l	95
49) 1,4-Dioxane	9.47	88	43396	1192.936	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1021056	288.206	ug/l	100
52) Toluene	10.41	92	805691	52.711	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	441753	54.045	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	513332	53.819	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	238316	57.999	ug/l	98
56) Ethyl methacrylate	10.67	69	324772	56.502	ug/l	98
57) 1,3-Dichloropropane	10.95	76	403793	56.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	660941	283.868	ug/l	99
59) 2-Hexanone	10.99	43	703184	278.985	ug/l	99
60) Dibromochloromethane	11.14	129	319360	55.700	ug/l	100
61) 1,2-Dibromoethane	11.25	107	232317	56.448	ug/l	100
64) Tetrachloroethene	10.88	164	327239	52.412	ug/l	98
65) Chlorobenzene	11.67	112	856353	51.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	332583	52.983	ug/l	99
67) Ethyl Benzene	11.75	91	1714839	57.428	ug/l	98
68) m/p-Xylenes	11.86	106	1193417	104.268	ug/l	100
69) o-Xylene	12.18	106	566732	53.389	ug/l	100
70) Styrene	12.20	104	970290	52.364	ug/l	99
71) Bromoform	12.37	173	200227	56.049	ug/l #	97
73) Isopropylbenzene	12.48	105	1473626	50.548	ug/l	99
74) N-amyl acetate	12.30	43	374910	54.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	243038	55.326	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	332900	104.057	ug/l #	100
77) Bromobenzene	12.77	156	373203	52.693	ug/l	99
78) n-propylbenzene	12.83	91	1655494	49.703	ug/l	99
79) 2-Chlorotoluene	12.91	91	965966	51.368	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1220828	50.963	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	84108	52.223	ug/l	98
82) 4-Chlorotoluene	13.01	91	1023755	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	1035011	48.999	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1234120	52.183	ug/l	99
85) sec-Butylbenzene	13.41	105	1381060	48.680	ug/l	99
86) p-Isopropyltoluene	13.52	119	1297278	48.098	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	690034	52.485	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	677423	52.793	ug/l	99
89) n-Butylbenzene	13.85	91	1171856	48.091	ug/l	100
90) Hexachloroethane	14.12	117	251591	50.473	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	598065	53.745	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	43678	55.611	ug/l	98

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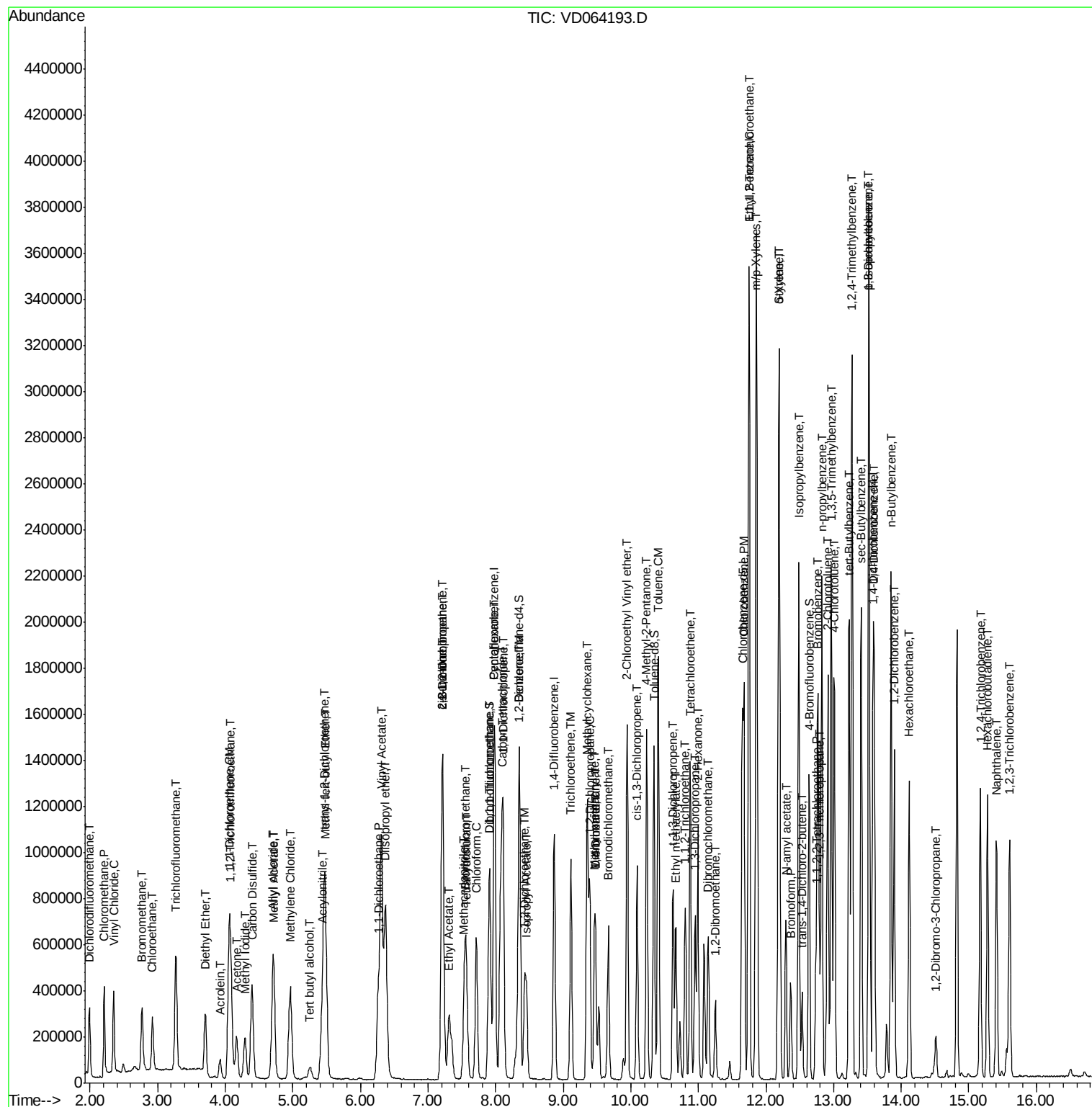
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	442588	51.558	ug/l	98
94) Hexachlorobutadiene	15.28	225	261670	47.194	ug/l	98
95) Naphthalene	15.41	128	935960	66.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	388873	53.293	ug/l	97

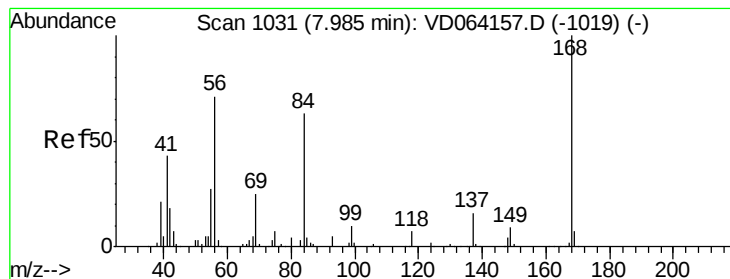
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

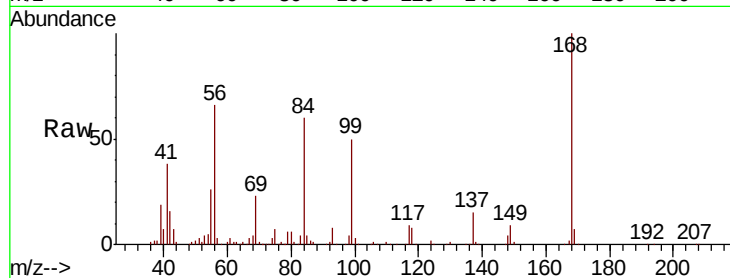
ClientSampleId :

Tot Ion:168 Resp: 605295

Ion Ratio Lower Upper

168 100

99 50.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

250000

200000

150000

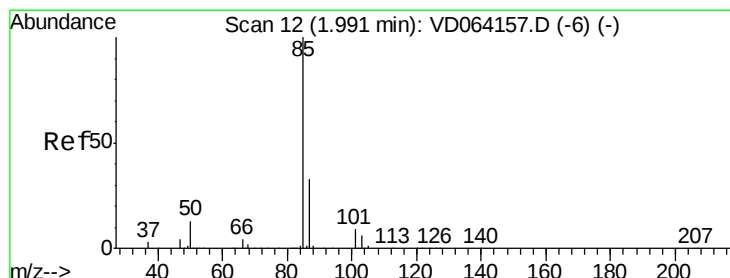
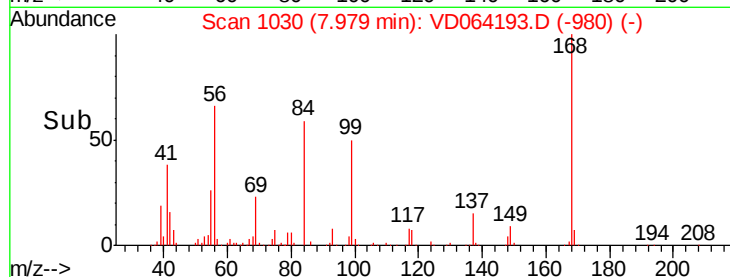
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.486 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064193.D

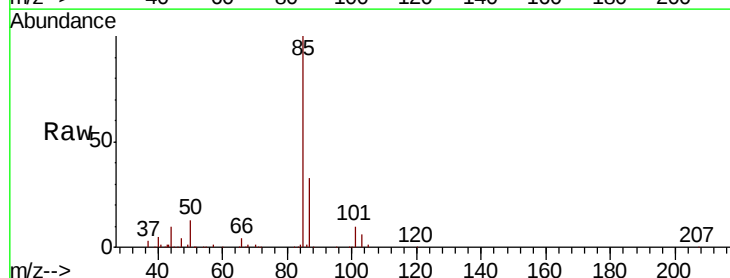
Acq: 11 Nov 2019 22:32

Tgt Ion: 85 Resp: 238388

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

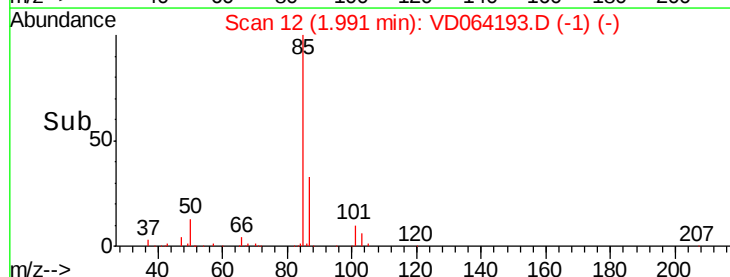
100000

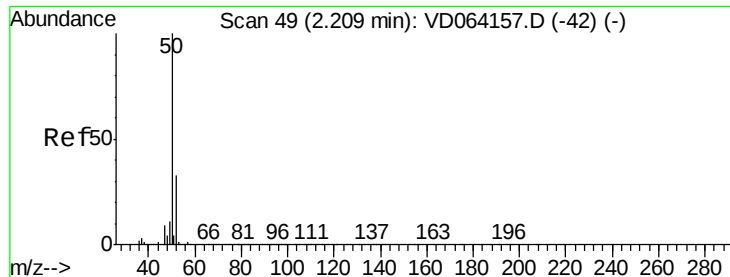
50000

0

1.95 2.00 2.05 2.10

Time-->

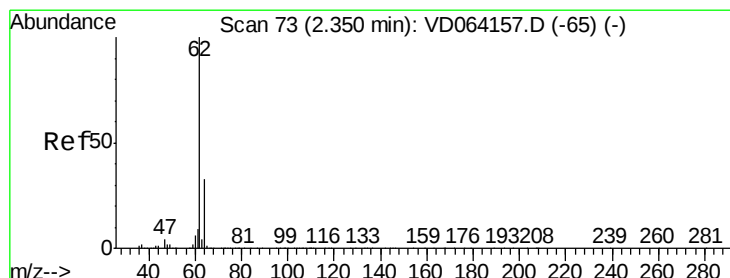
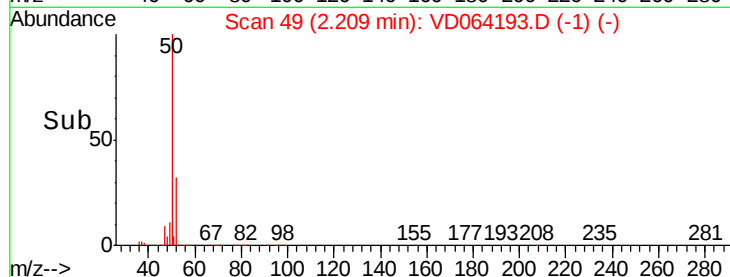
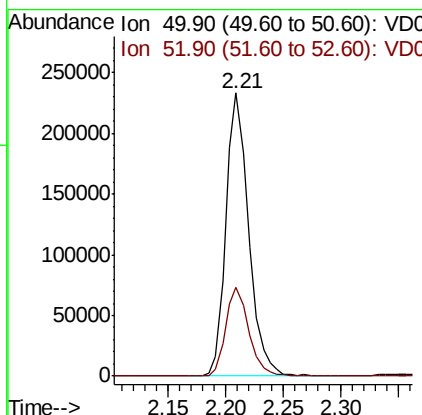
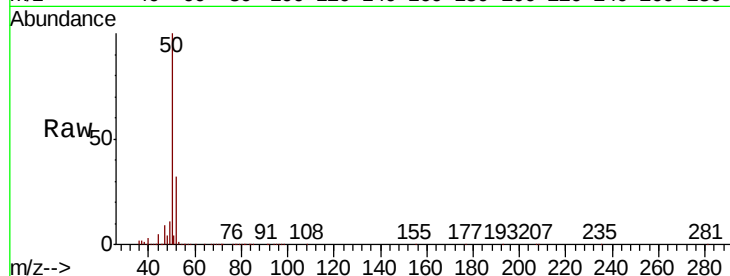




#3
Chloromethane
Concen: 59.198 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

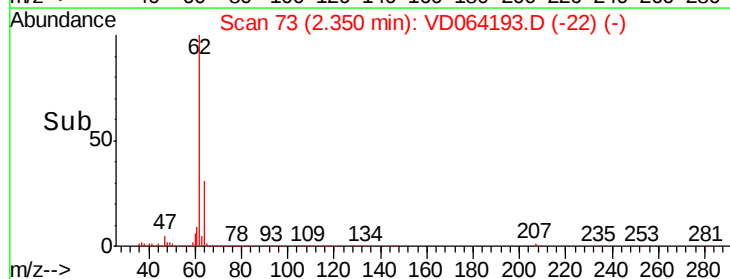
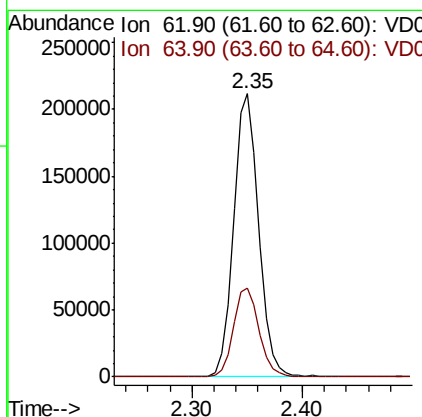
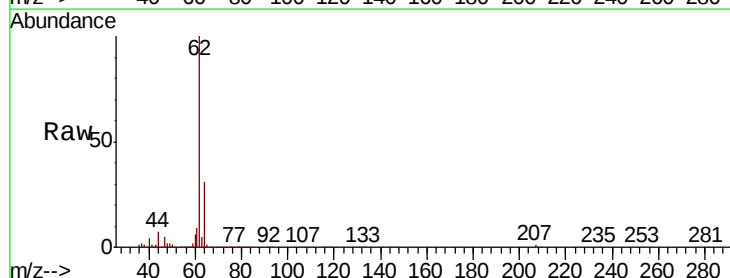
Instrument :
MSVOA_D
ClientSampleId :

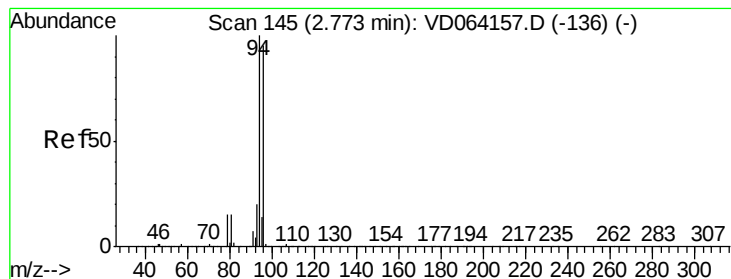
Tot Ion: 50 Resp: 318763
Ion Ratio Lower Upper
50 100
52 31.6 26.2 39.4



#4
Vinyl Chloride
Concen: 58.409 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 62 Resp: 336334
Ion Ratio Lower Upper
62 100
64 31.5 26.2 39.2





#5

Bromomethane

Concen: 59.057 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

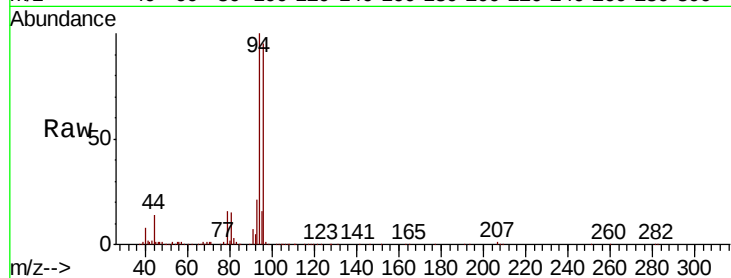
ClientSampled :

Tot Ion: 94 Resp: 214735

Ion Ratio Lower Upper

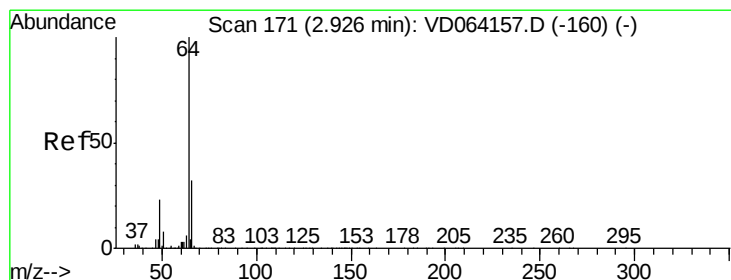
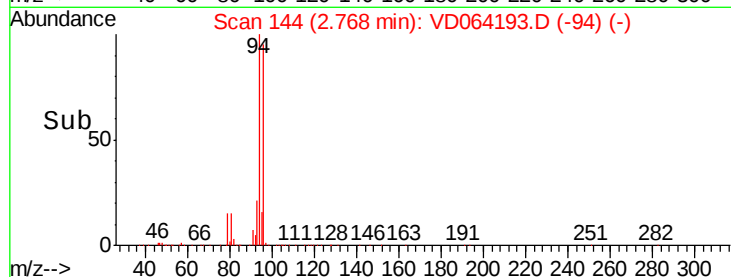
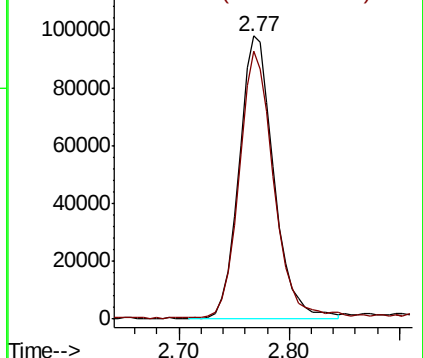
94 100

96 94.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 61.570 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064193.D

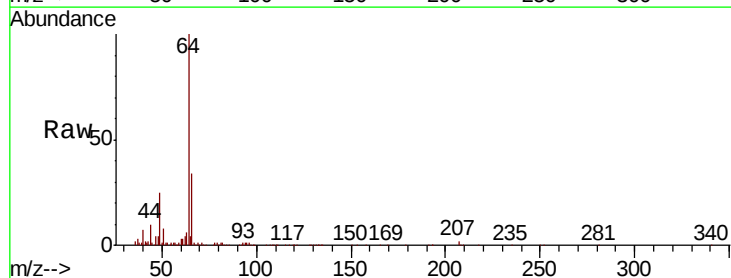
Acq: 11 Nov 2019 22:32

Tgt Ion: 64 Resp: 226541

Ion Ratio Lower Upper

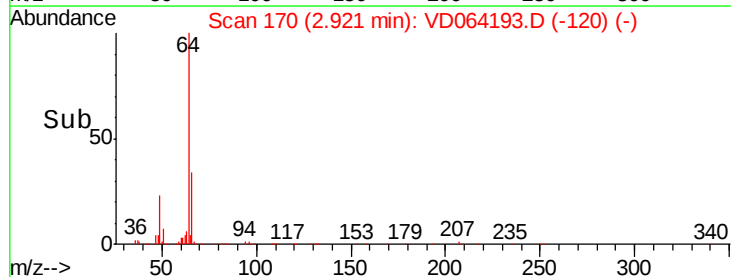
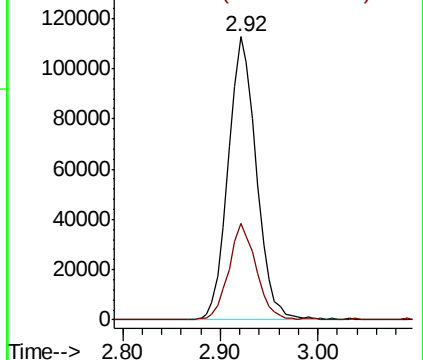
64 100

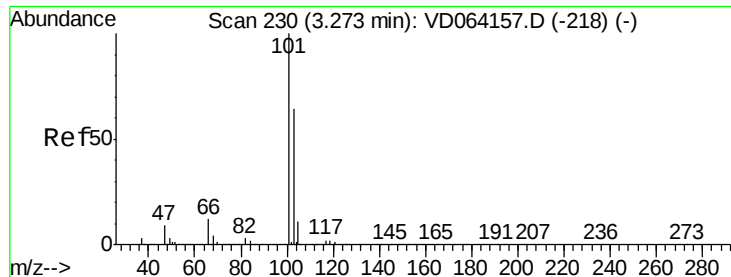
66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



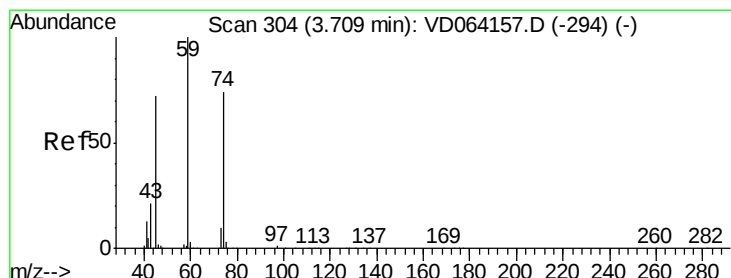
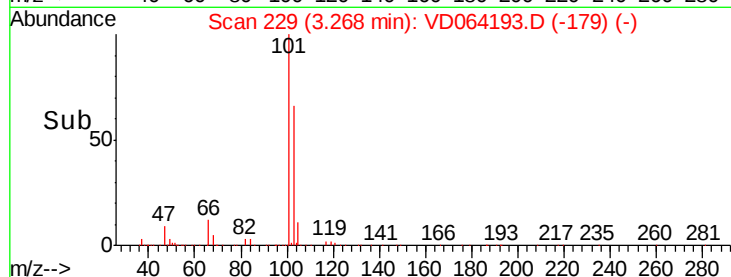
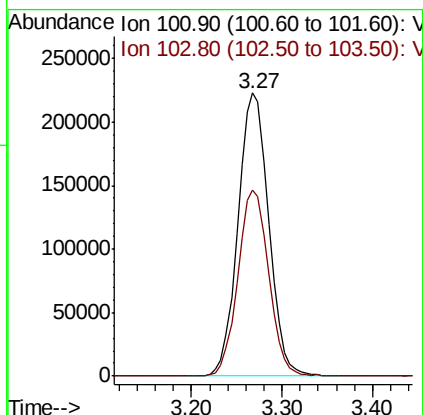
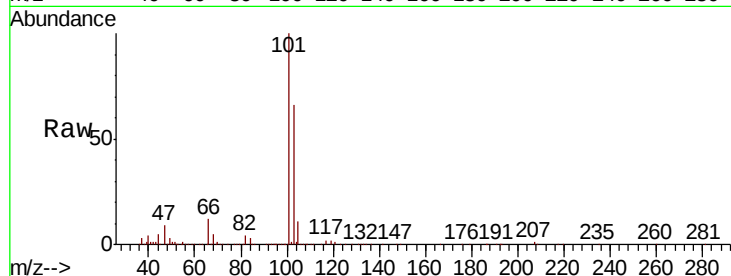


#7

Trichlorofluoromethane
Concen: 56.114 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampled :

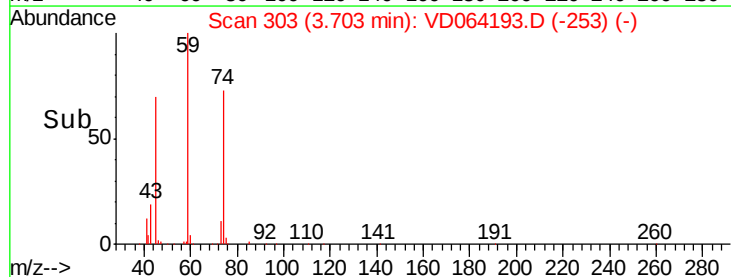
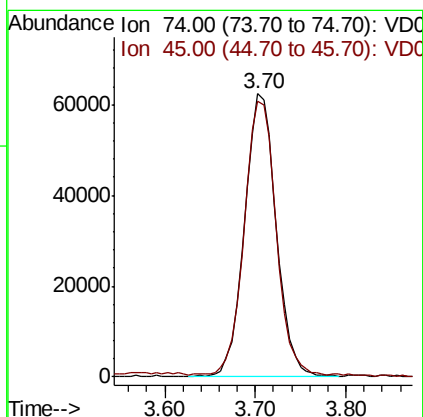
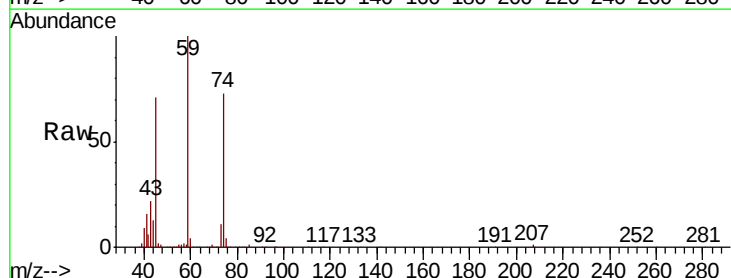
Tot Ion:101 Resp: 523872
Ion Ratio Lower Upper
101 100
103 65.6 50.8 76.2



#8

Diethyl Ether
Concen: 58.877 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 74 Resp: 151136
Ion Ratio Lower Upper
74 100
45 96.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.938 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

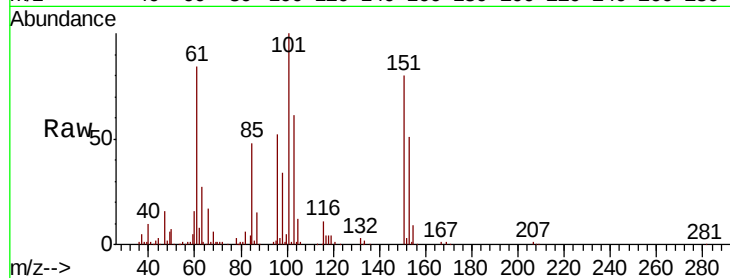
Tot Ion:101 Resp: 266468

Ion Ratio Lower Upper

101 100

85 45.0 34.4 51.6

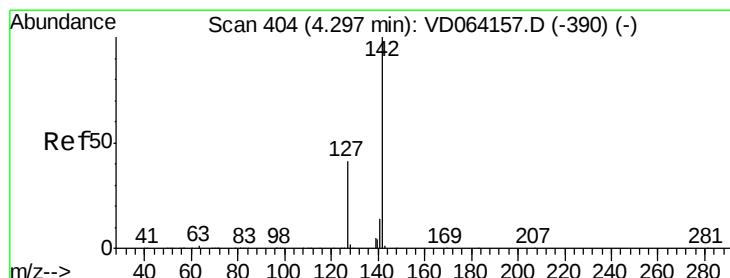
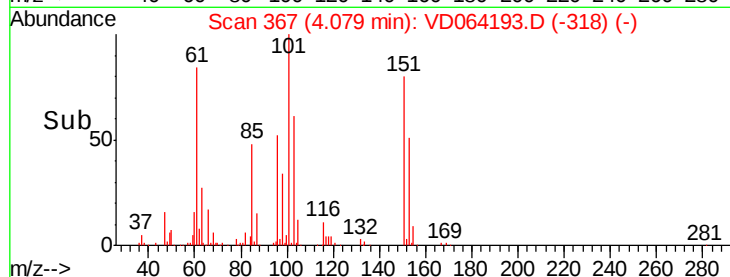
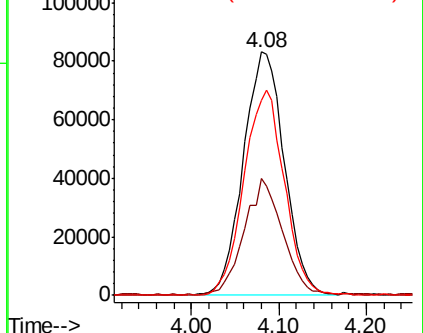
151 83.3 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.927 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

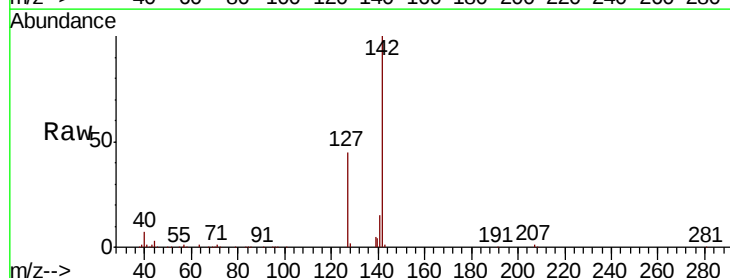
Tgt Ion:142 Resp: 304092

Ion Ratio Lower Upper

142 100

127 44.1 34.4 51.6

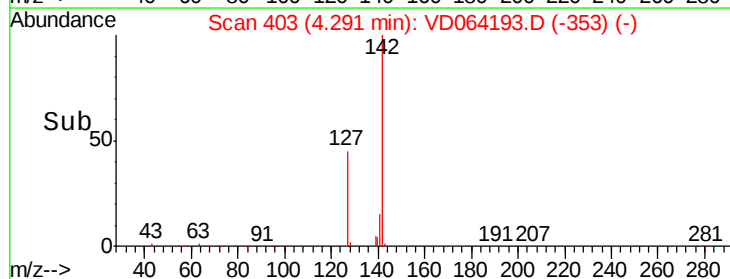
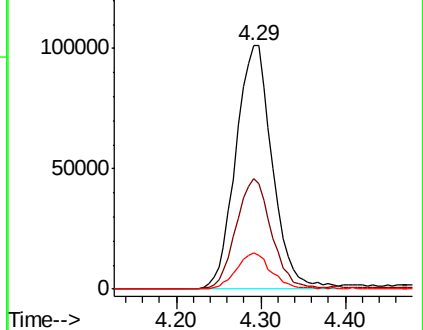
141 14.2 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

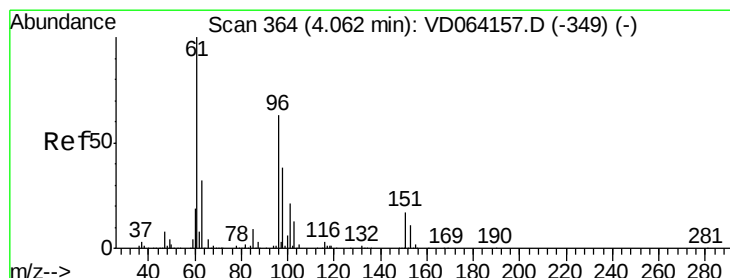
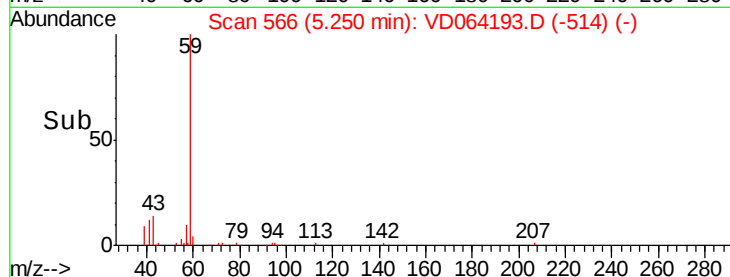
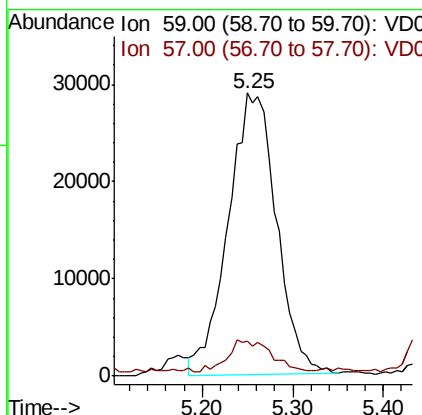
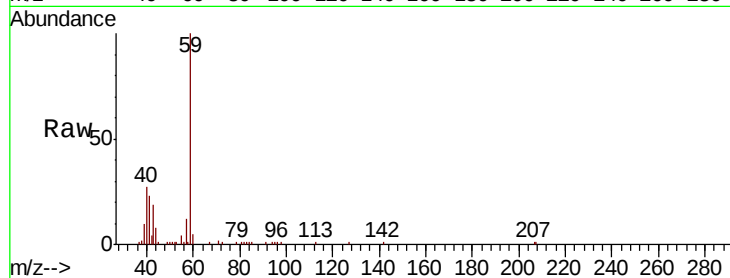




#11
Tert butyl alcohol
Concen: 306.458 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

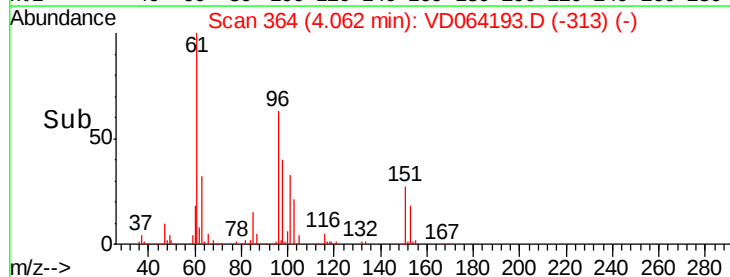
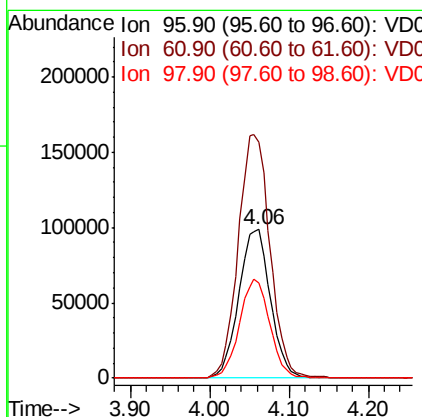
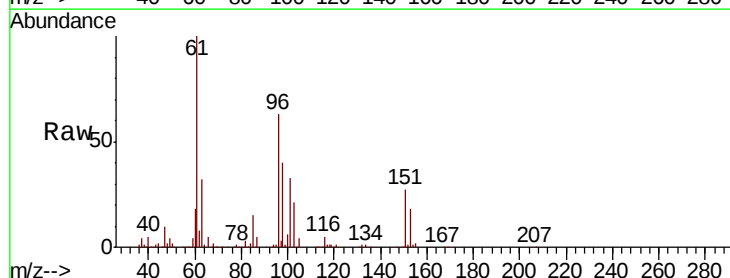
Instrument :
MSVOA_D
ClientSampleId :

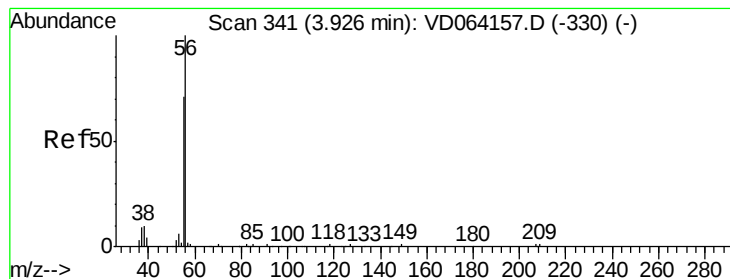
Tot Ion: 59 Resp: 106557
Ion Ratio Lower Upper
59 100
57 9.8 9.4 14.2



#12
1,1-Dichloroethene
Concen: 53.829 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 96 Resp: 273781
Ion Ratio Lower Upper
96 100
61 159.4 127.4 191.2
98 64.3 48.1 72.1





#13

Acrolein

Concen: 316.090 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

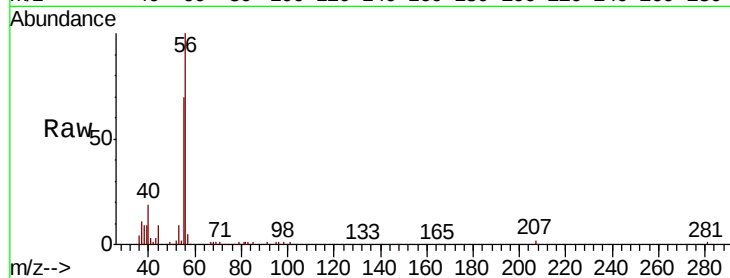
ClientSampleId :

Tot Ion: 56 Resp: 92978

Ion Ratio Lower Upper

56 100

55 69.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

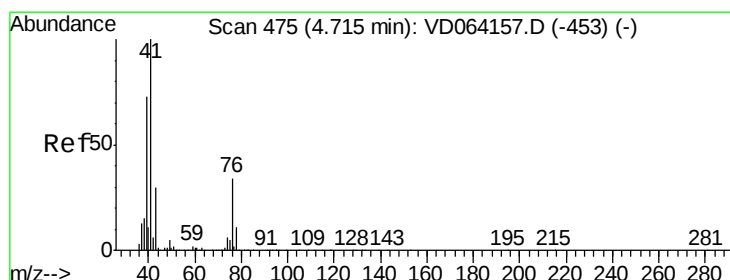
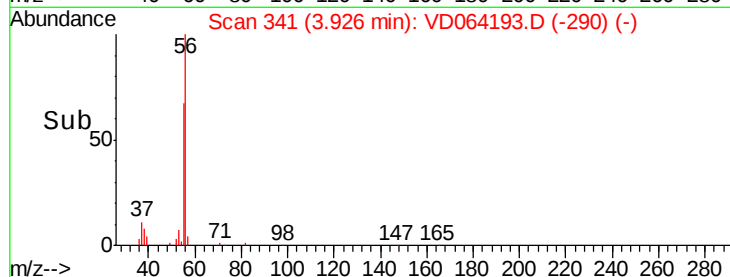
30000

20000

10000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 55.487 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

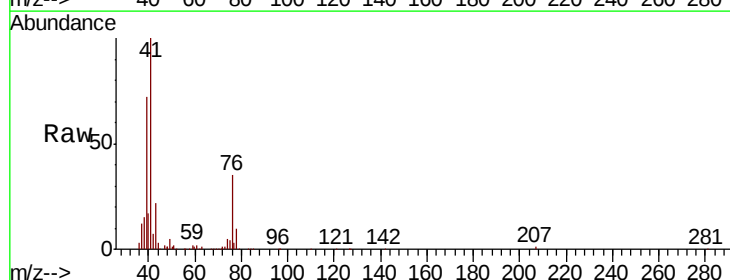
Tgt Ion: 41 Resp: 498983

Ion Ratio Lower Upper

41 100

39 73.9 57.5 86.3

76 34.4 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.70

200000

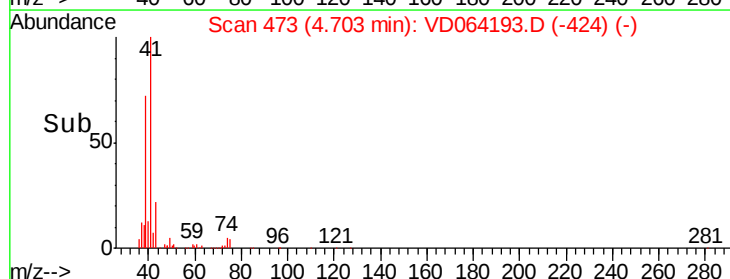
150000

100000

50000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 301.707 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

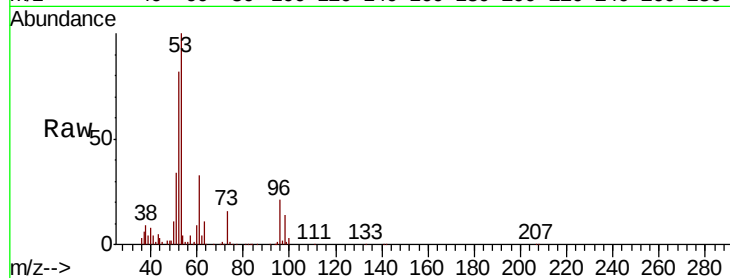
Tot Ion: 53 Resp: 330171

Ion Ratio Lower Upper

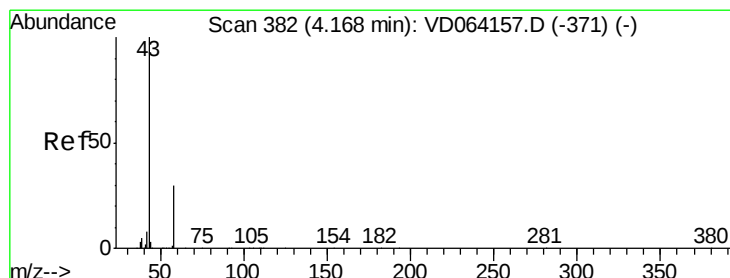
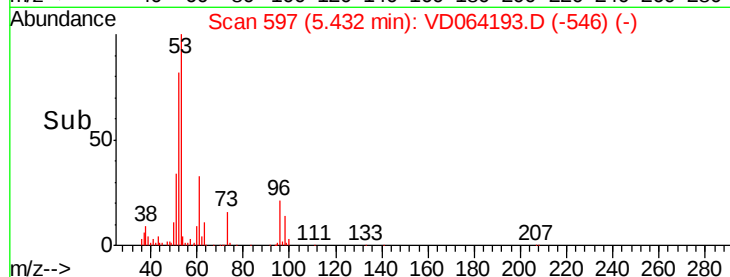
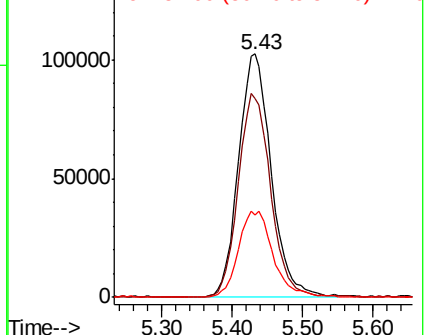
53 100

52 83.0 66.7 100.1

51 37.7 30.6 46.0



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



#16

Acetone

Concen: 267.778 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064193.D

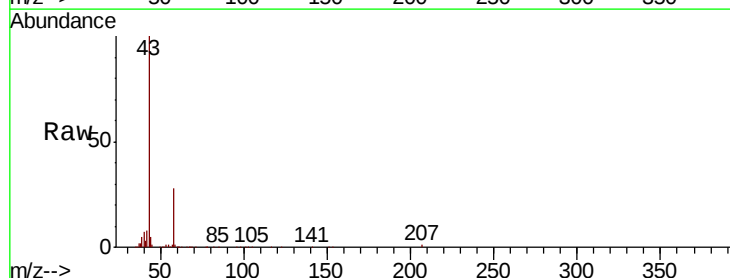
Acq: 11 Nov 2019 22:32

Tgt Ion: 43 Resp: 315801

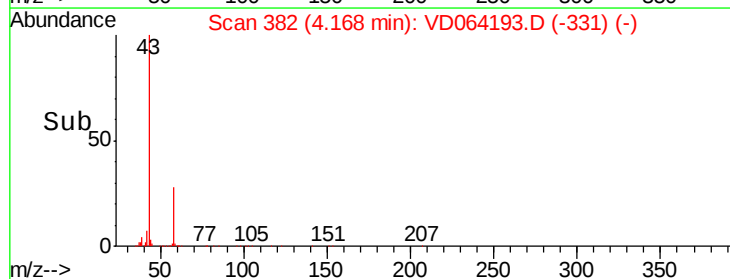
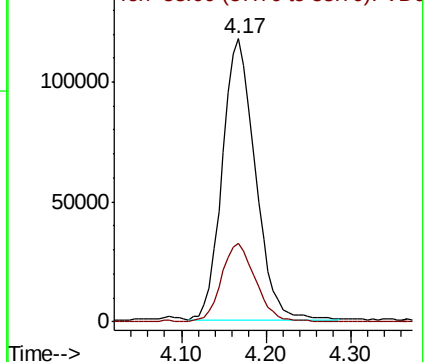
Ion Ratio Lower Upper

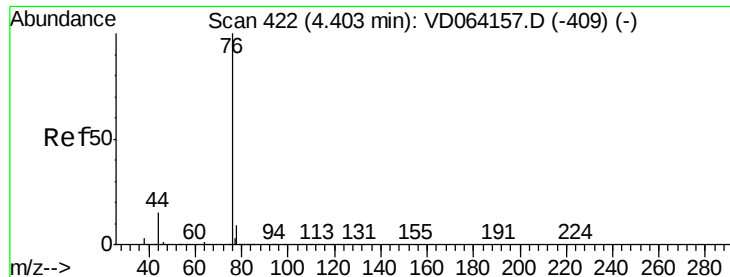
43 100

58 27.9 24.1 36.1



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





#17

Carbon Disulfide

Concen: 53.946 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

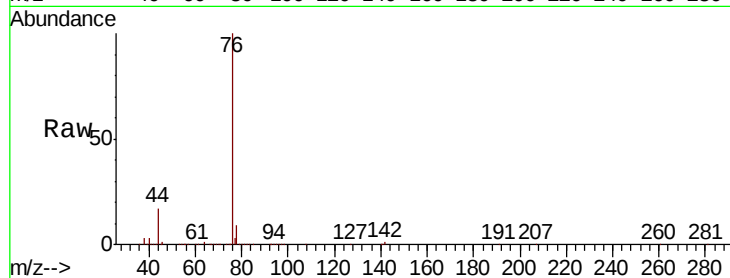
ClientSampleId :

Tot Ion: 76 Resp: 854462

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

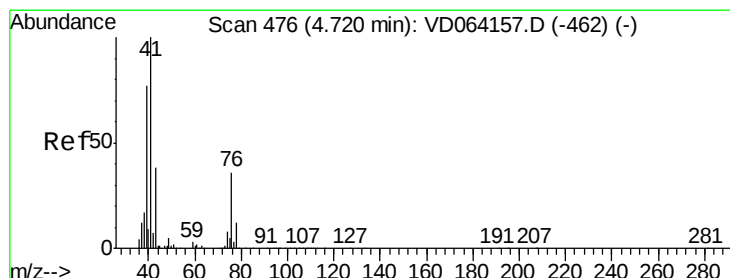
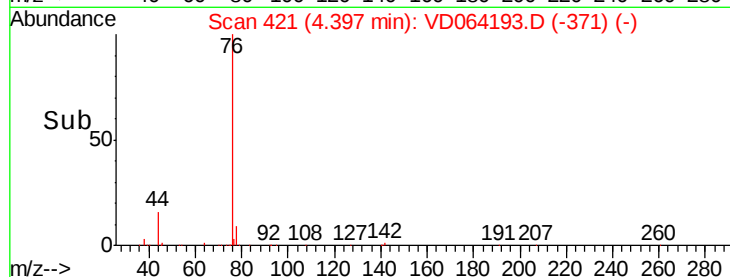
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 64.359 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064193.D

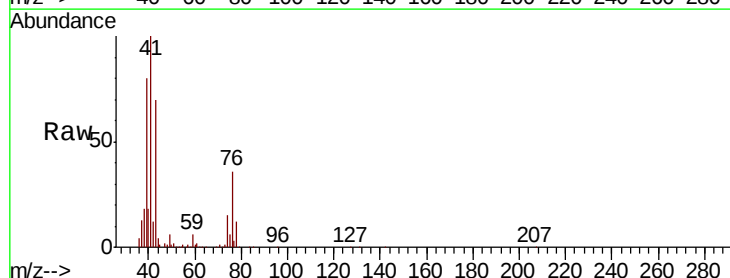
Acq: 11 Nov 2019 22:32

Tgt Ion: 43 Resp: 211995

Ion Ratio Lower Upper

43 100

74 22.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

80000

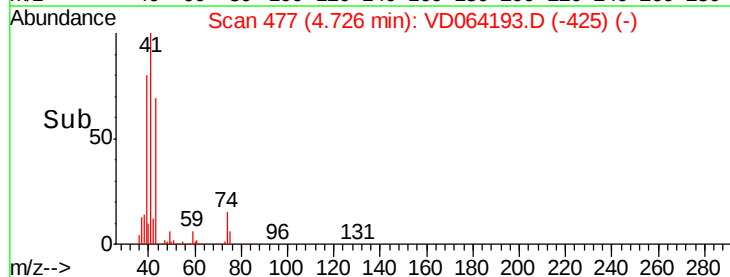
60000

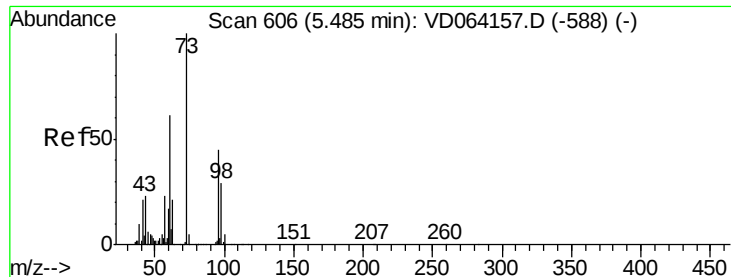
40000

20000

0

Time-->

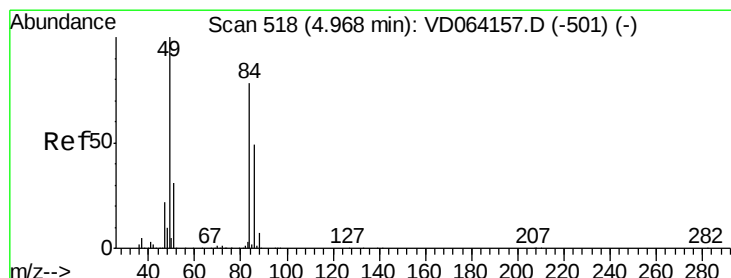
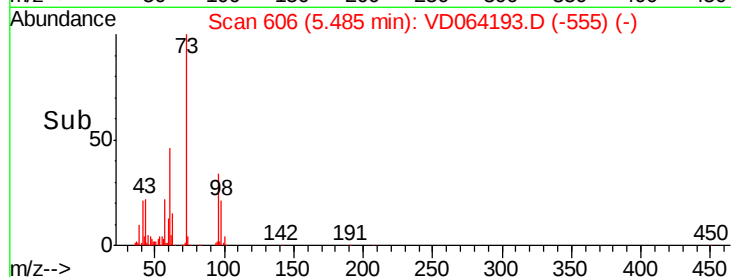
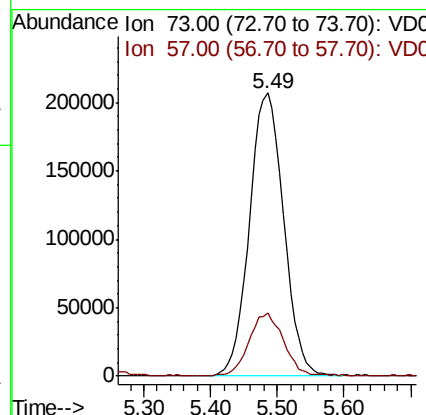
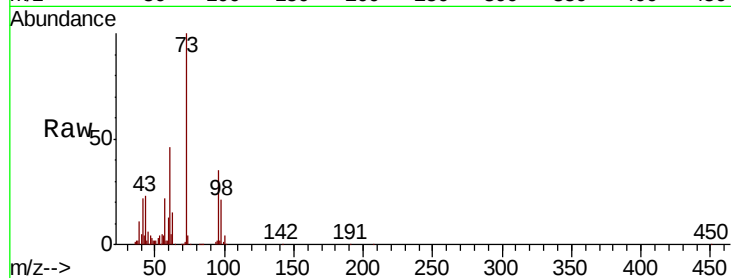




#19
Methyl tert-butyl Ether
Concen: 60.258 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

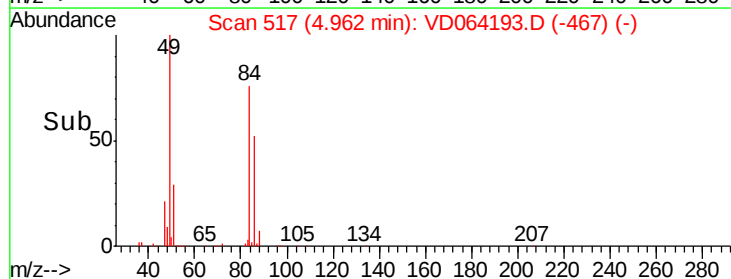
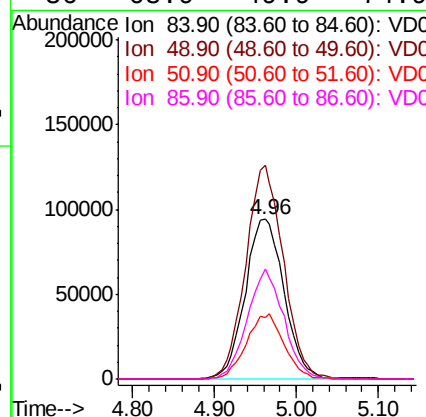
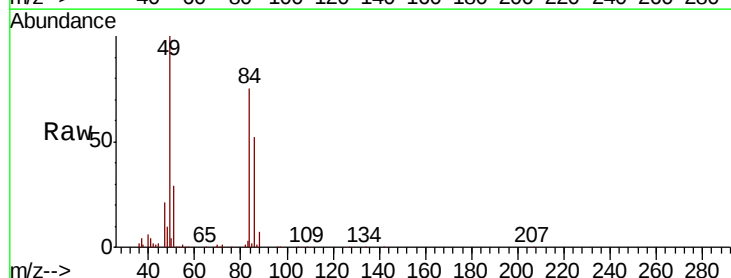
Instrument :
MSVOA_D
ClientSampleId :

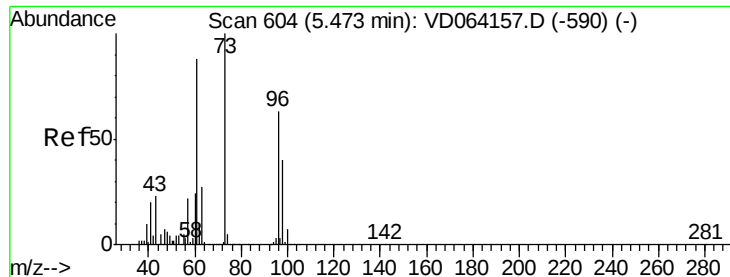
Tot Ion: 73 Resp: 731655
Ion Ratio Lower Upper
73 100
57 22.0 18.4 27.6



#20
Methylene Chloride
Concen: 52.333 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 84 Resp: 311760
Ion Ratio Lower Upper
84 100
49 133.5 102.1 153.1
51 38.5 32.2 48.2
86 68.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 55.848 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

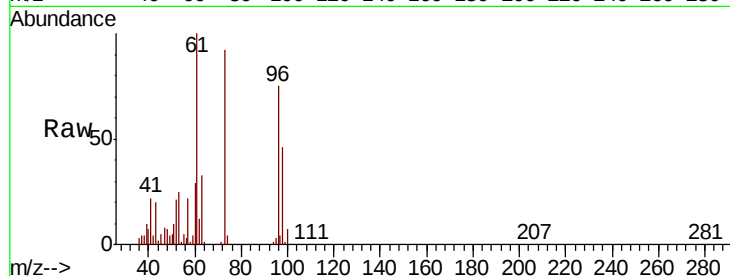
Tot Ion: 96 Resp: 321821

Ion Ratio Lower Upper

96 100

61 133.7 111.8 167.6

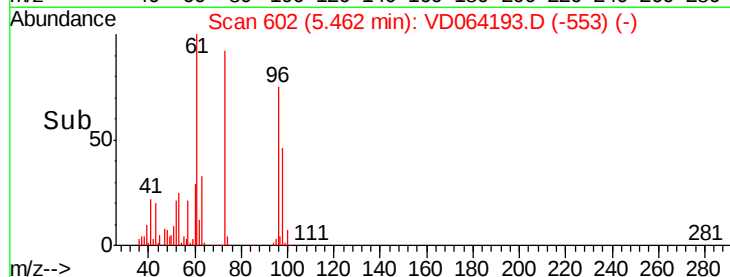
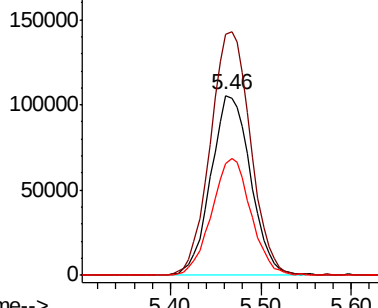
98 61.9 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 59.279 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion: 45 Resp: 989097

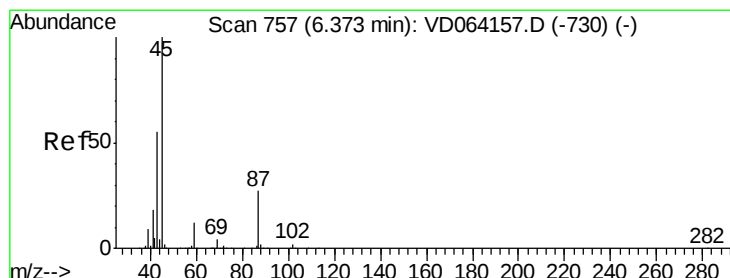
Ion Ratio Lower Upper

45 100

43 54.0 44.4 66.6

87 25.8 21.9 32.9

59 11.0 9.4 14.2

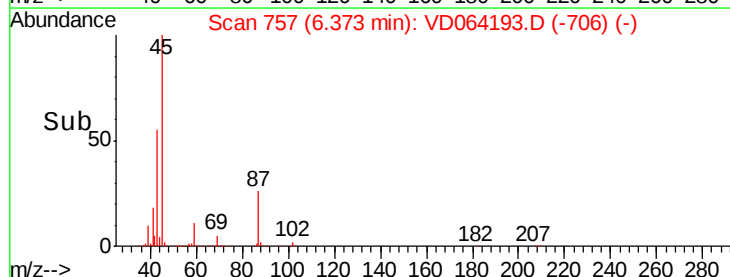
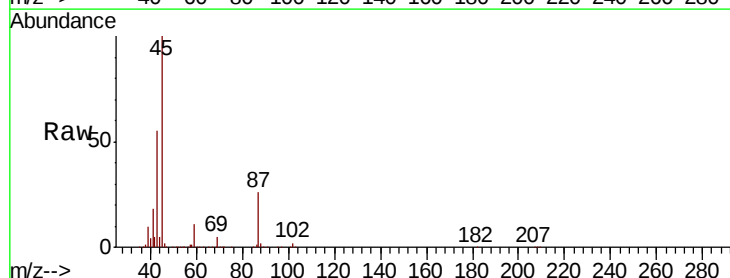
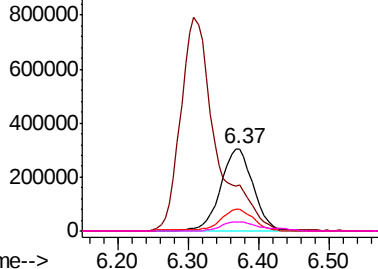


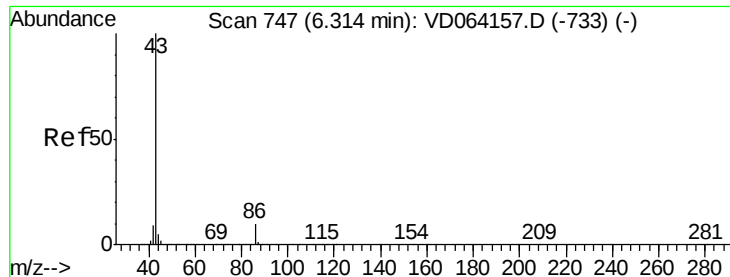
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 297.304 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

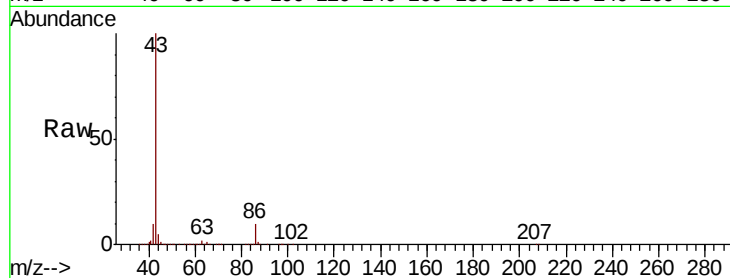
ClientSampleId :

Tot Ion: 43 Resp: 2765183

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

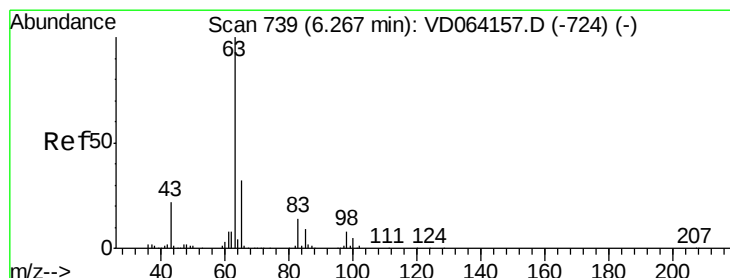
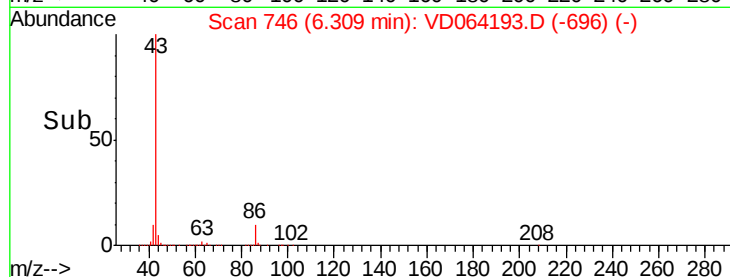
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.495 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

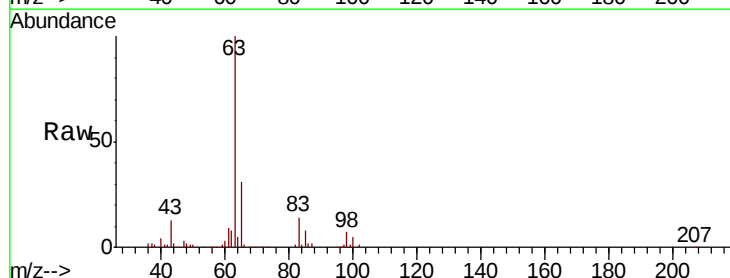
Tgt Ion: 63 Resp: 557018

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

200000

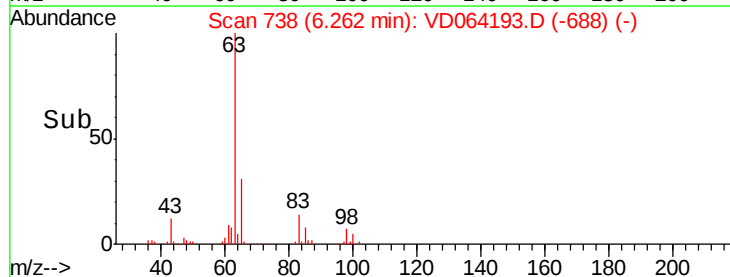
150000

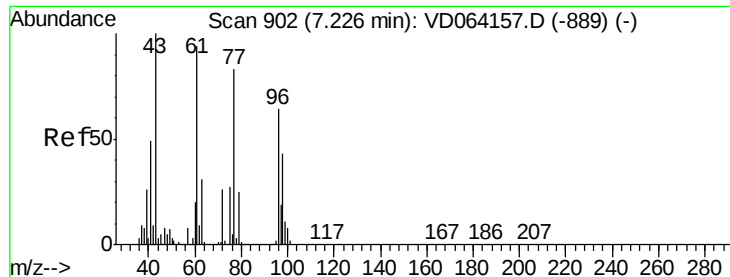
100000

50000

0

Time-->





#25

2-Butanone

Concen: 295.859 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

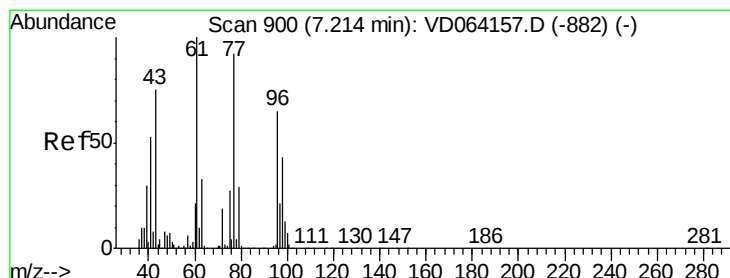
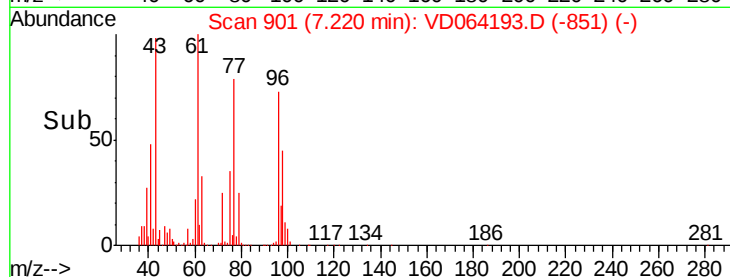
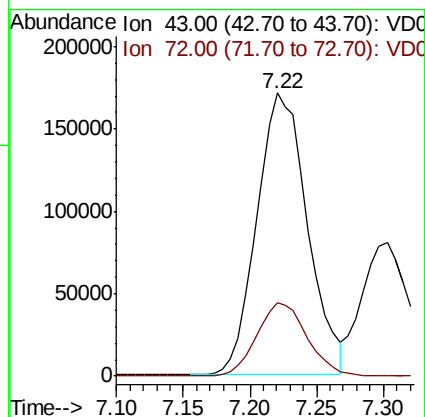
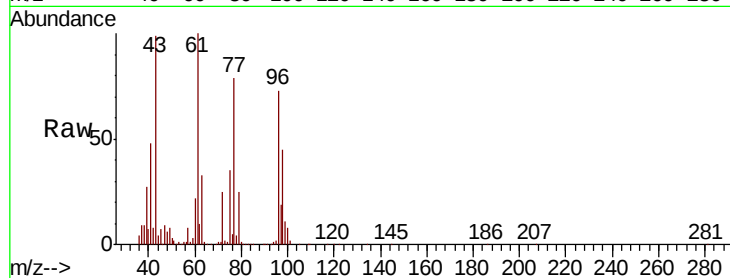
ClientSampleId :

Tot Ion: 43 Resp: 450783

Ion Ratio Lower Upper

43 100

72 25.9 20.6 30.8



#26

2,2-Dichloropropane

Concen: 49.402 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064193.D

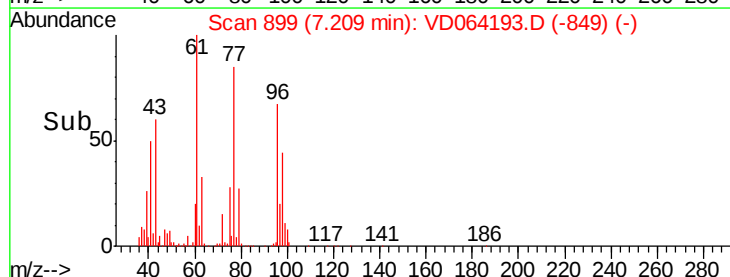
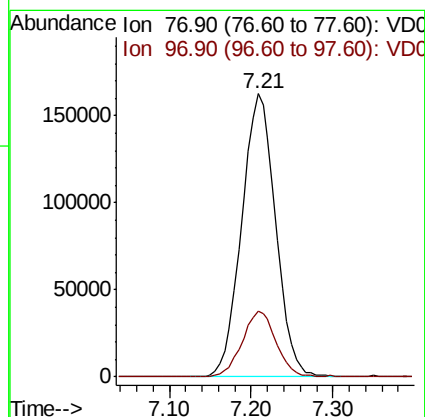
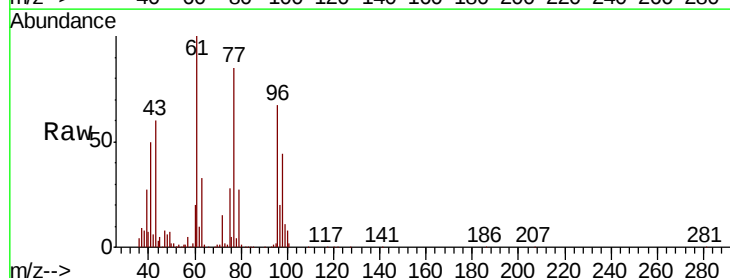
Acq: 11 Nov 2019 22:32

Tgt Ion: 77 Resp: 469364

Ion Ratio Lower Upper

77 100

97 23.1 11.1 33.3



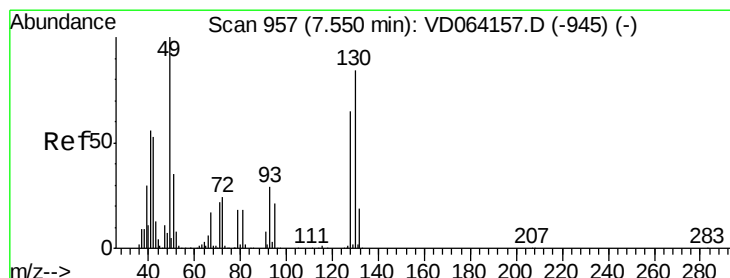
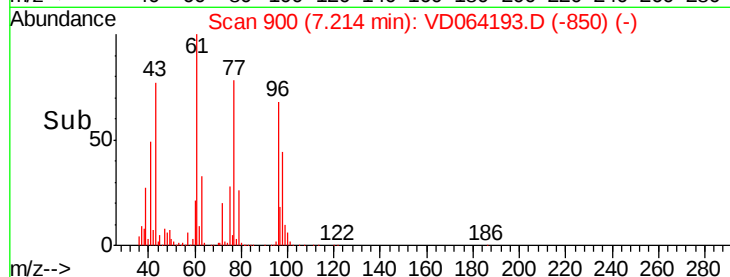
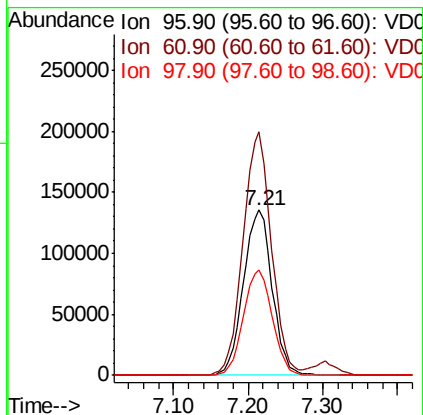
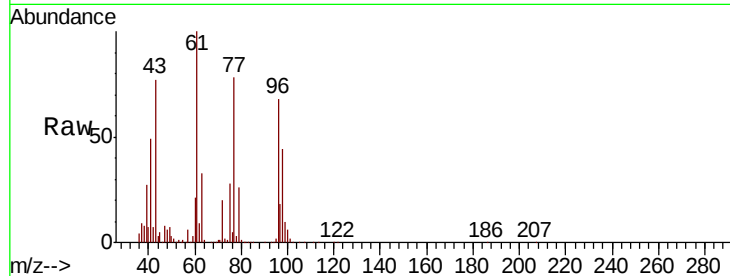


#27

cis-1,2-Dichloroethene
Concen: 58.662 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampled :

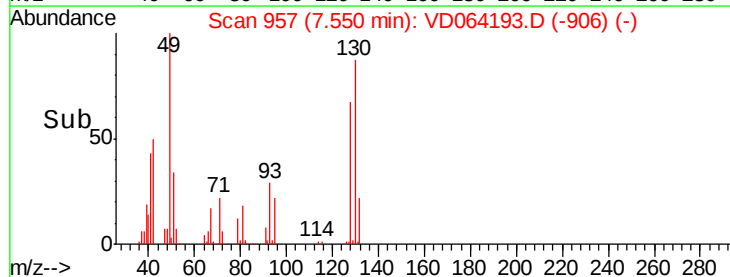
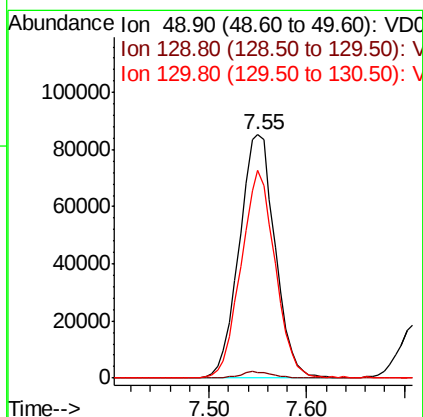
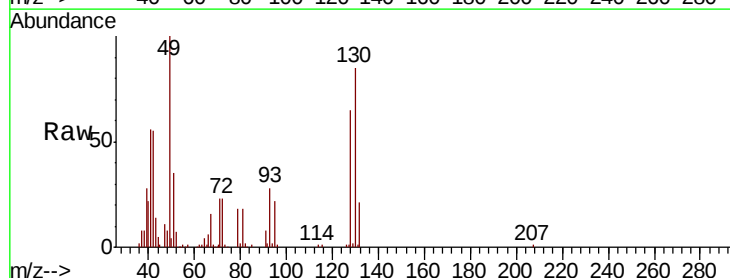
Tot Ion	96	Resp	362504
Ion Ratio	Lower	Upper	
96	100		
61	144.8	0.0	301.4
98	64.2	0.0	133.2

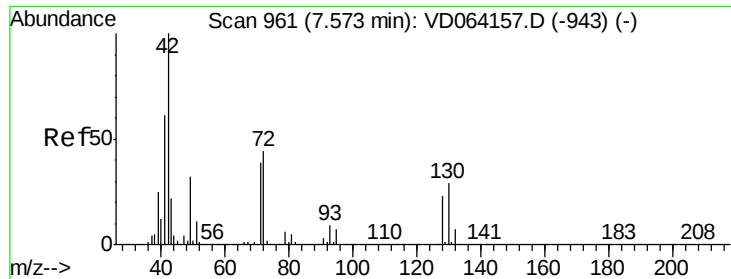


#28

Bromochloromethane
Concen: 64.545 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	49	Resp	217703
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.4
130	81.7	66.8	100.2

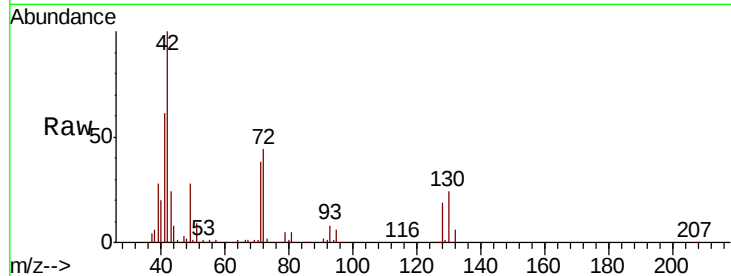




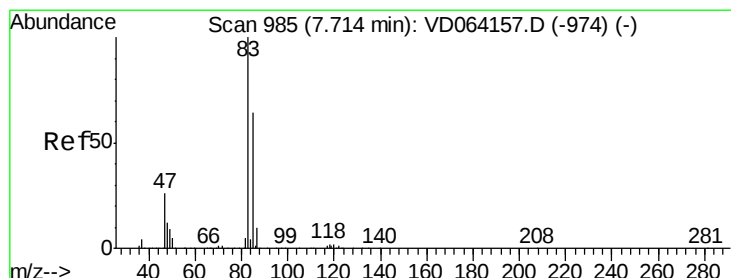
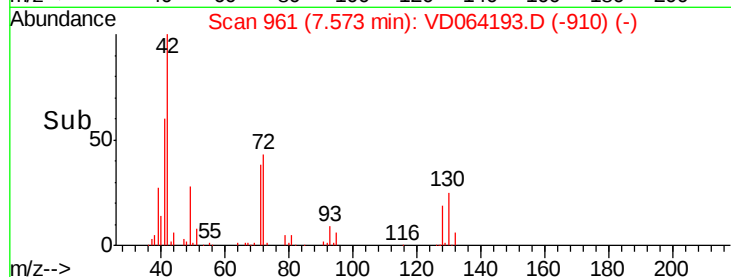
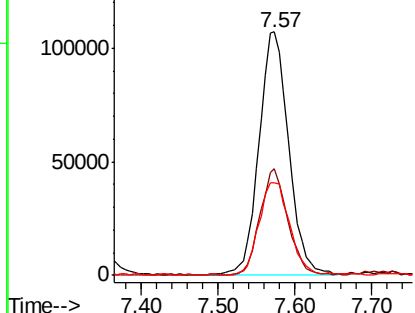
#29
Tetrahydrofuran
Concen: 317.086 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 290271
Ion Ratio Lower Upper
42 100
72 41.0 33.4 50.2
71 38.5 31.0 46.4

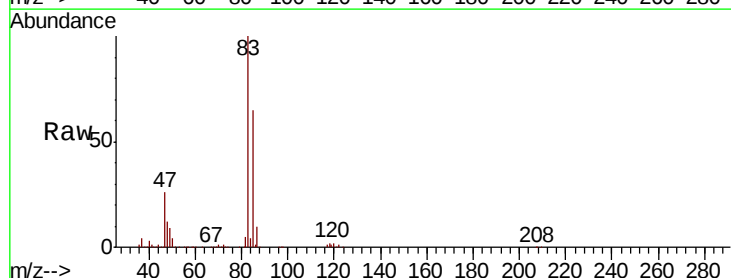


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

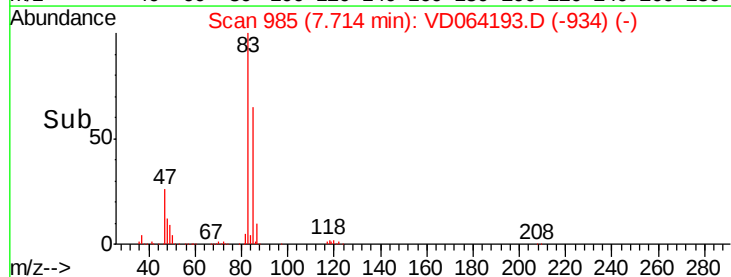
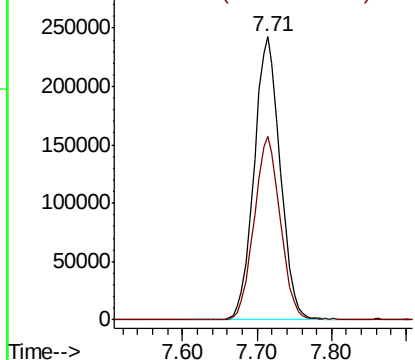


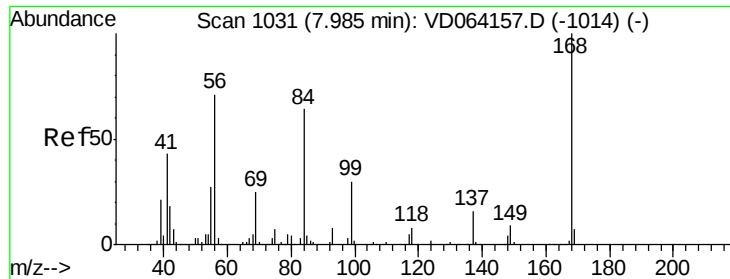
#30
Chloroform
Concen: 59.449 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 83 Resp: 589127
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.0



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

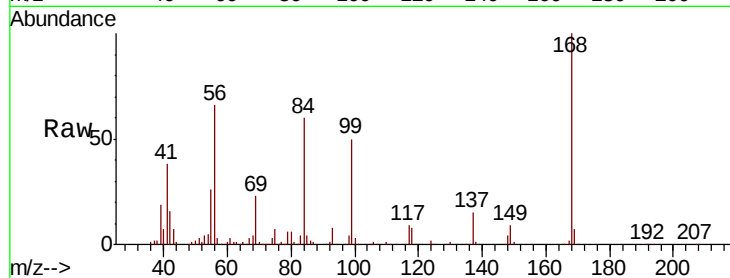




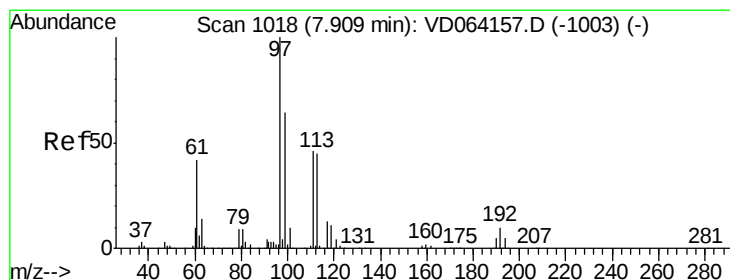
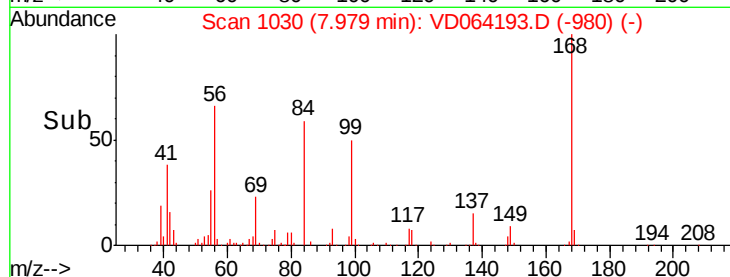
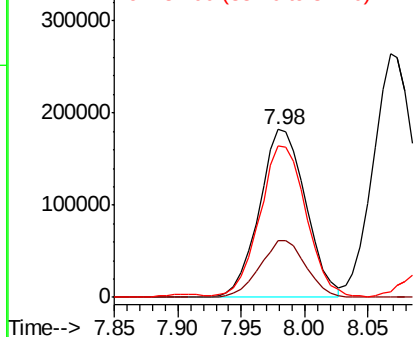
#31
Cyclohexane
Concen: 47.696 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 466015
Ion Ratio Lower Upper
56 100
69 34.1 28.2 42.4
84 87.9 71.8 107.6

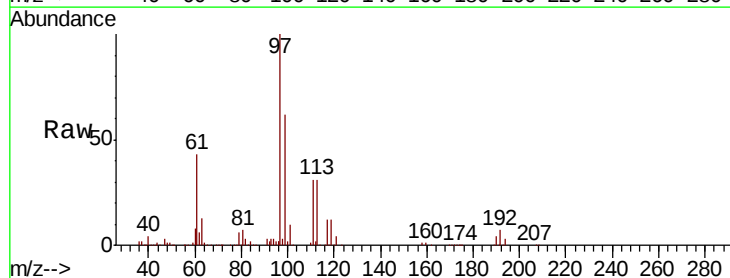


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

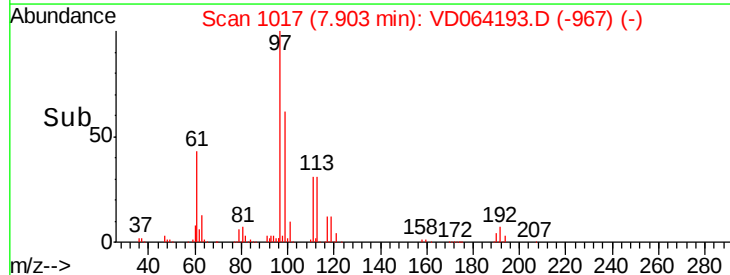
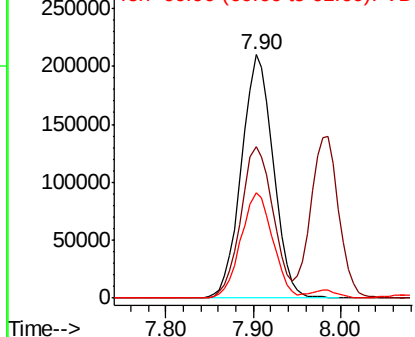


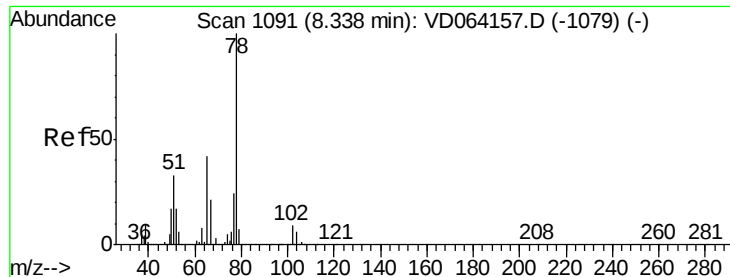
#32
1,1,1-Trichloroethane
Concen: 54.526 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 97 Resp: 517398
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 43.5 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 55.689 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

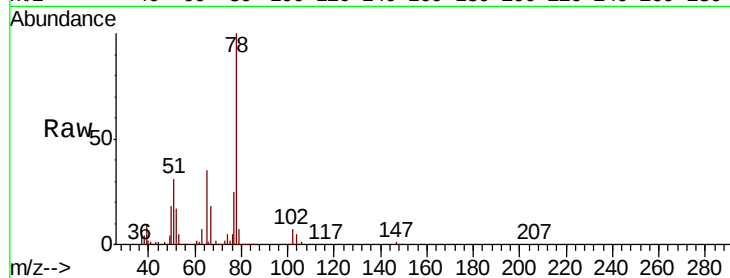
ClientSampleId :

Tot Ion: 65 Resp: 277233

Ion Ratio Lower Upper

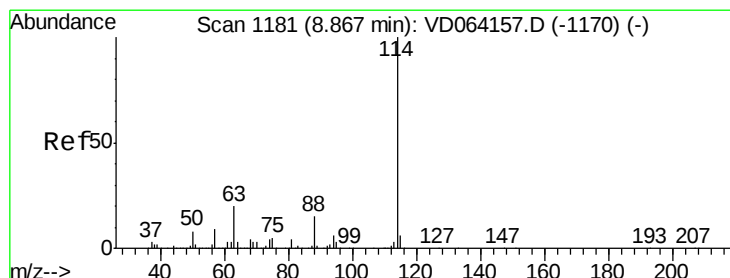
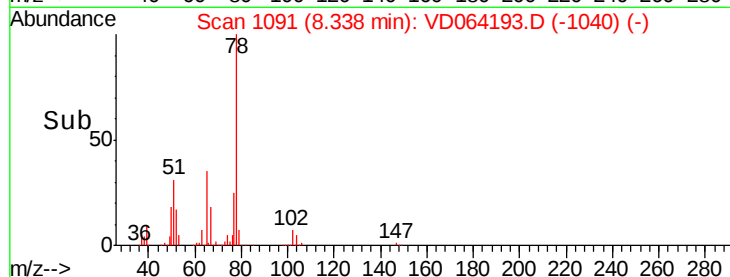
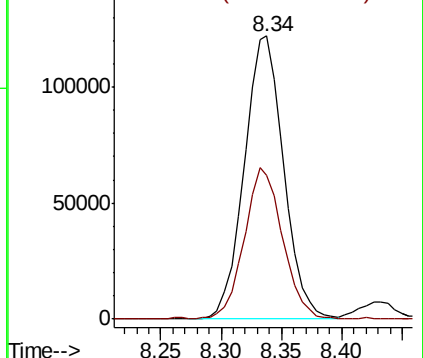
65 100

67 51.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

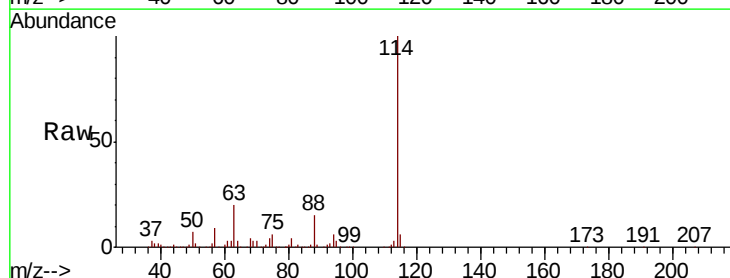
Tgt Ion: 114 Resp: 921569

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

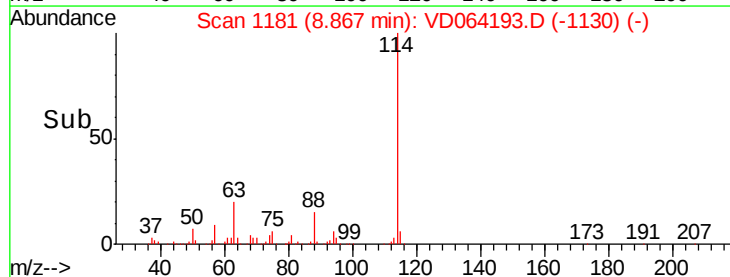
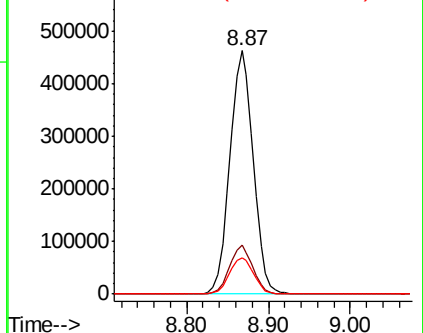
88 15.0 0.0 30.2

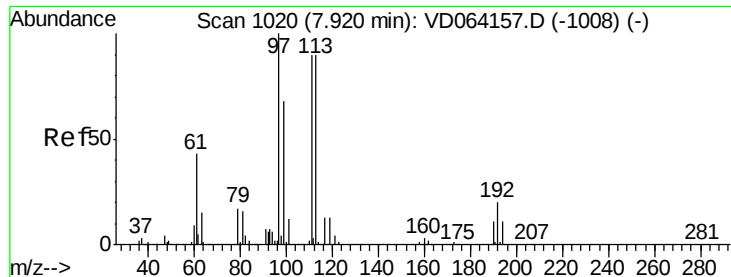


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

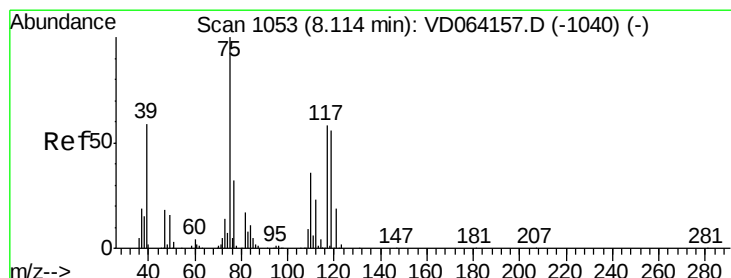
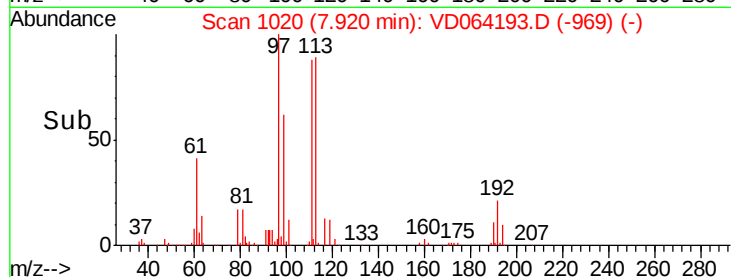
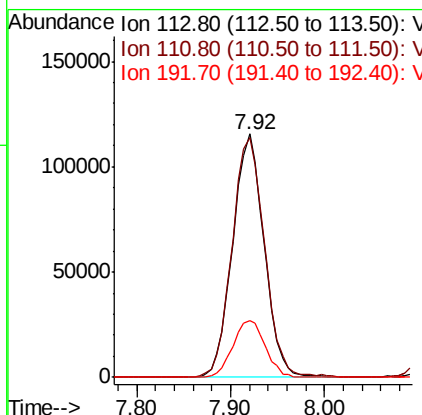
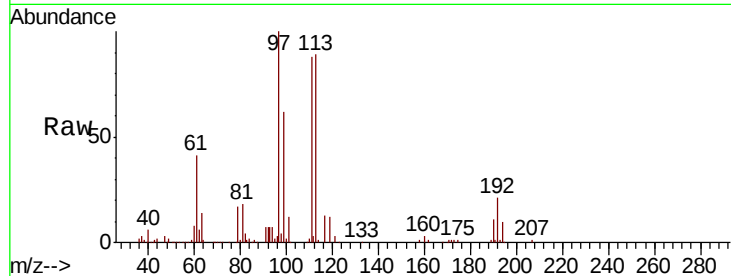




#35
 Dibromofluoromethane
 Concen: 50.841 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

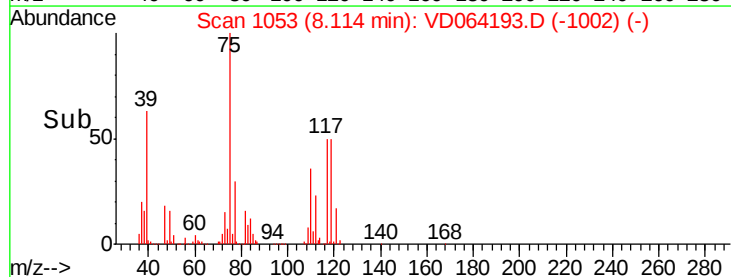
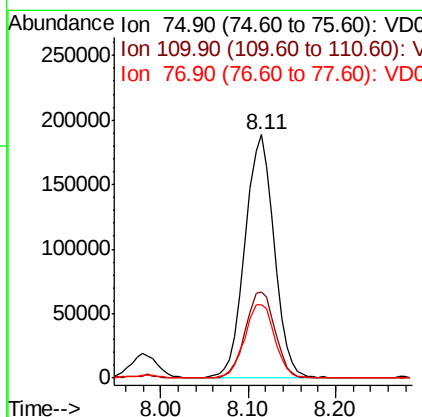
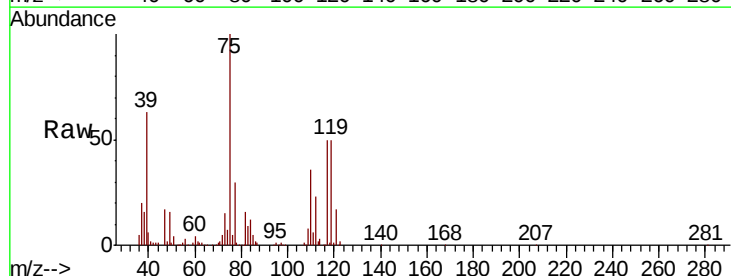
Instrument :
 MSVOA_D
 ClientSampleId :

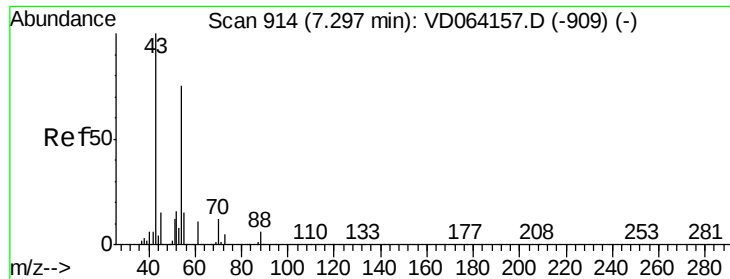
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.5	122.3
192	24.0	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 49.959 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.3	54.9
77	31.8	25.0	37.6

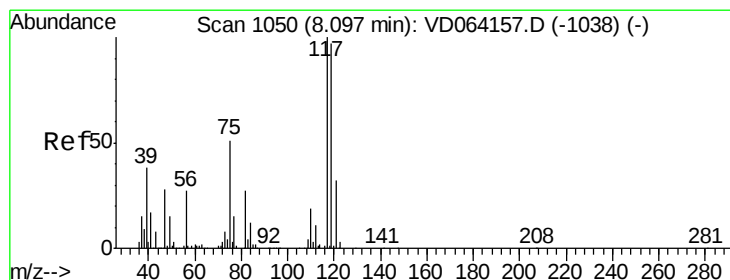
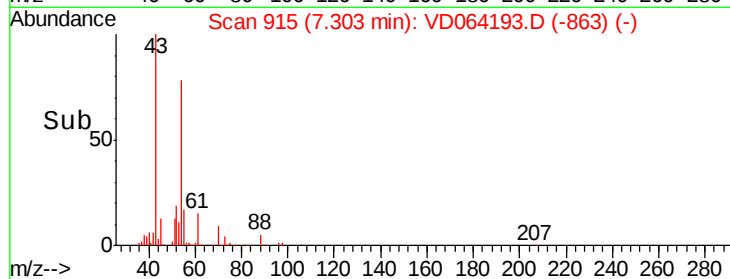
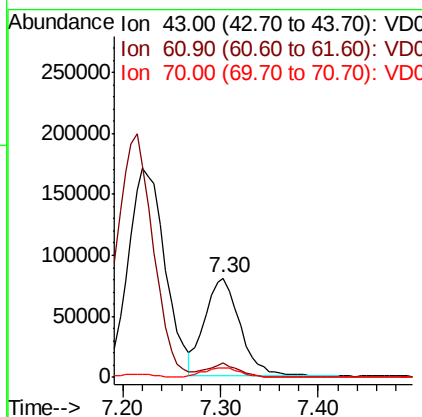
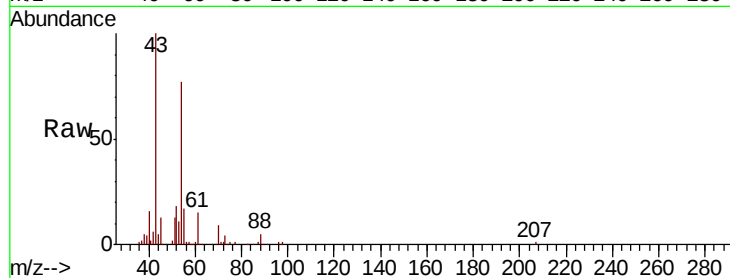




#37
Ethyl Acetate
Concen: 56.290 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

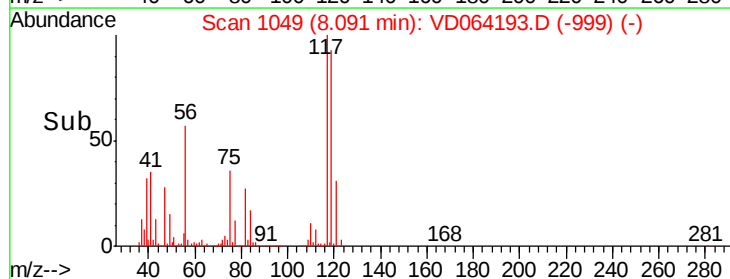
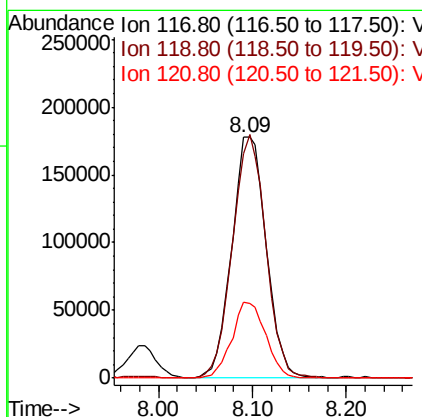
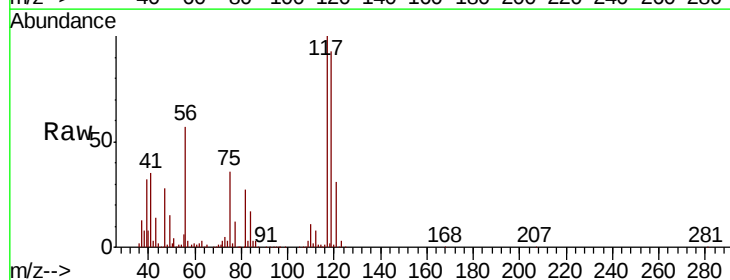
Instrument :
MSVOA_D
ClientSampled :

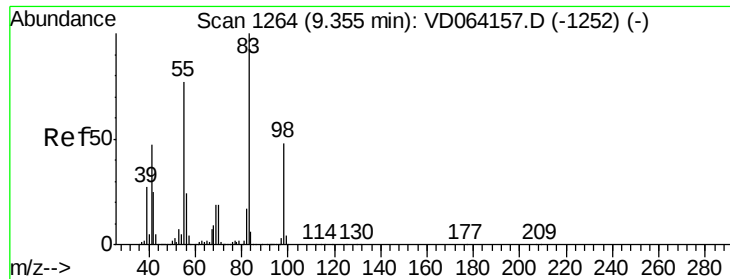
Tot Ion: 43 Resp: 201835
Ion Ratio Lower Upper
43 100
61 12.2 10.2 15.2
70 10.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 49.439 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 117 Resp: 449935
Ion Ratio Lower Upper
117 100
119 93.0 77.2 115.8
121 31.5 25.5 38.3

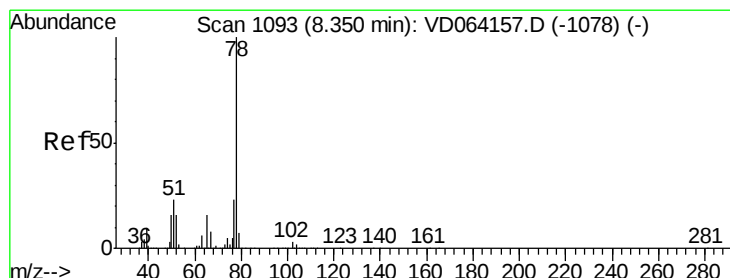
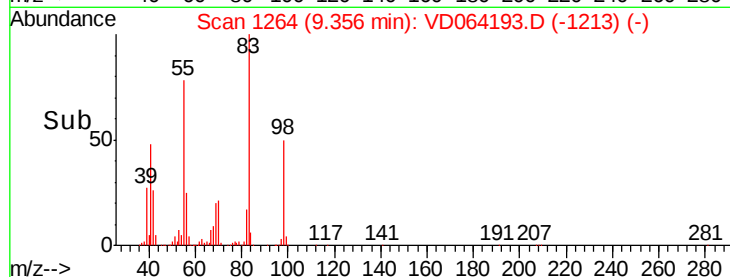
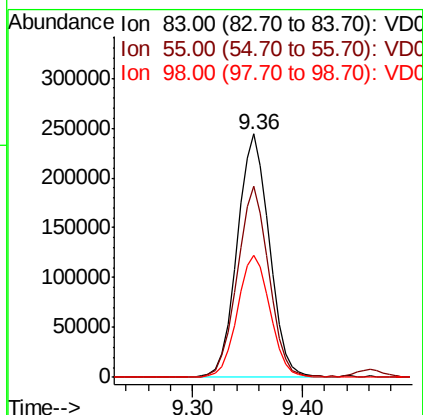
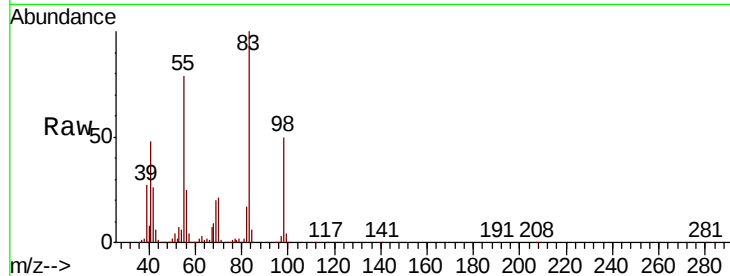




#39
Methvlcvclohexane
Concen: 46.413 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

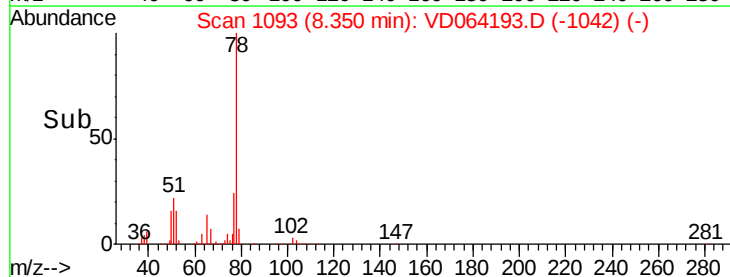
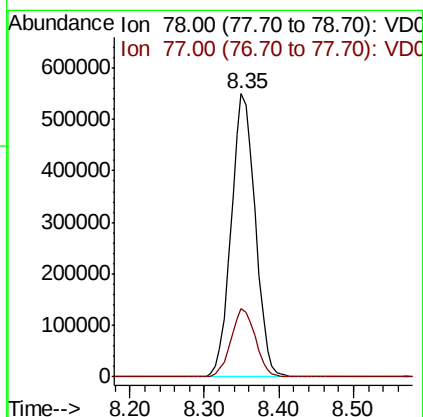
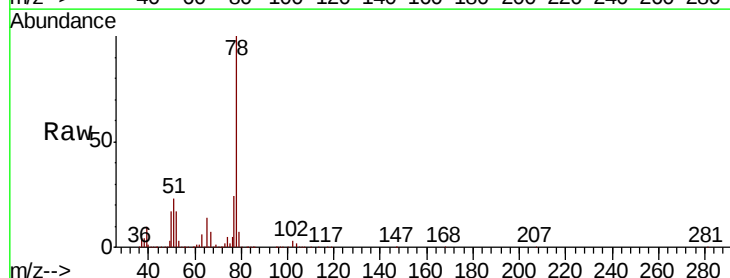
Instrument :
MSVOA_D
ClientSampleId :

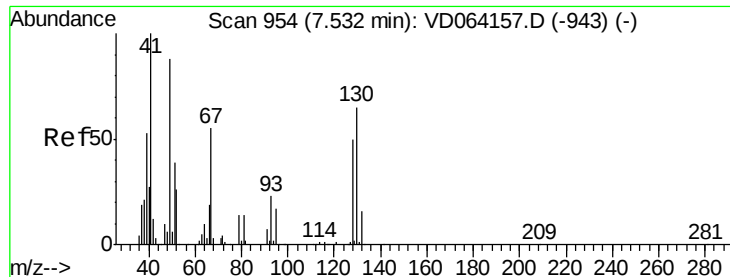
Tot Ion: 83 Resp: 499506
Ion Ratio Lower Upper
83 100
55 78.3 61.7 92.5
98 49.9 38.6 58.0



#40
Benzene
Concen: 53.034 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 78 Resp: 1232783
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0

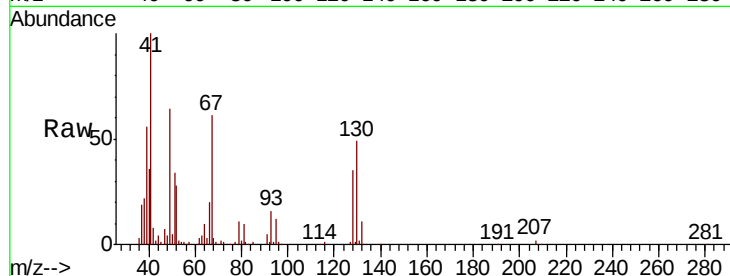




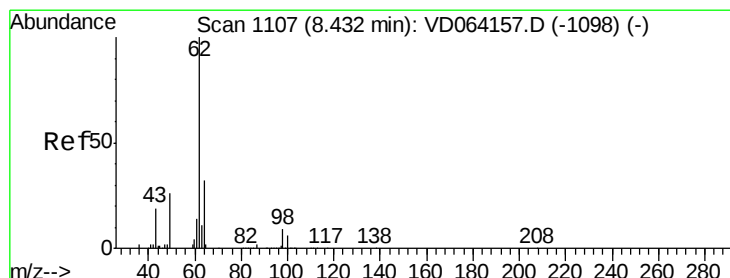
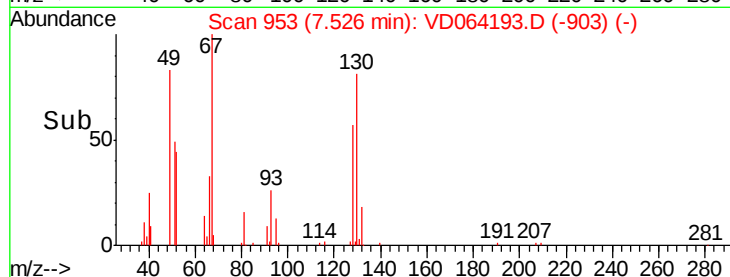
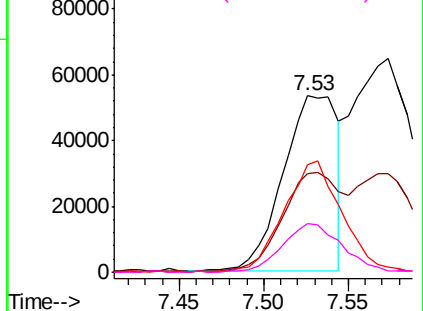
#41
Methacrylonitrile
Concen: 52.607 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:	41	Resp:	118558
Ion	Ratio	Lower	Upper
41	100		
39	63.3	49.4	74.2
67	67.1	49.6	74.4
52	31.2	21.4	32.0

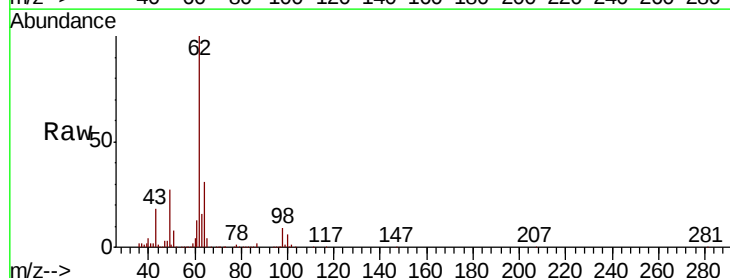


Abundance Ion 41.00 (40.70 to 41.70): VDC
100000 Ion 39.00 (38.70 to 39.70): VDC
80000 Ion 67.00 (66.70 to 67.70): VDC
60000 Ion 52.00 (51.70 to 52.70): VDC

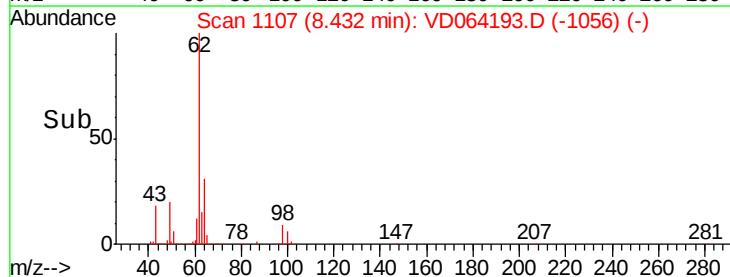
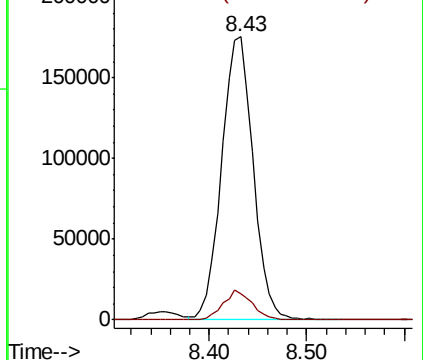


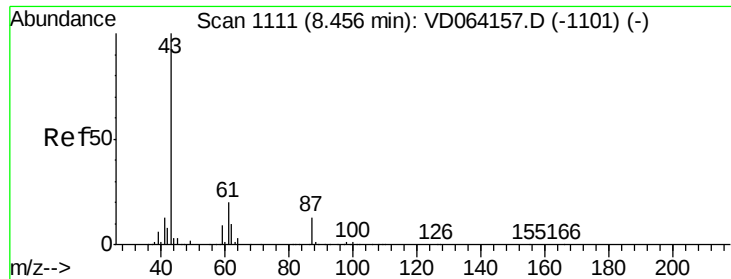
#42
1,2-Dichloroethane
Concen: 55.975 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion:	62	Resp:	390790
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
200000 Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 56.796 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampled :

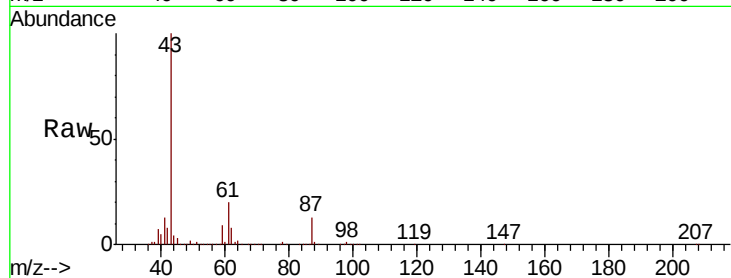
Tot Ion: 43 Resp: 419600

Ion Ratio Lower Upper

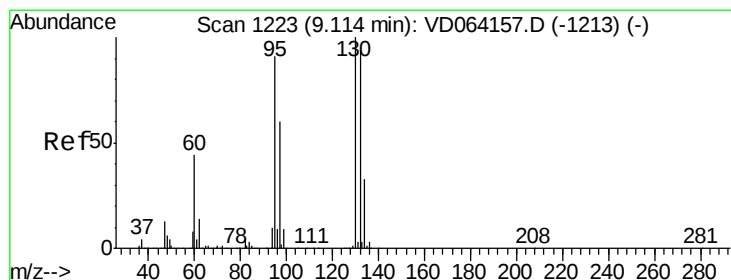
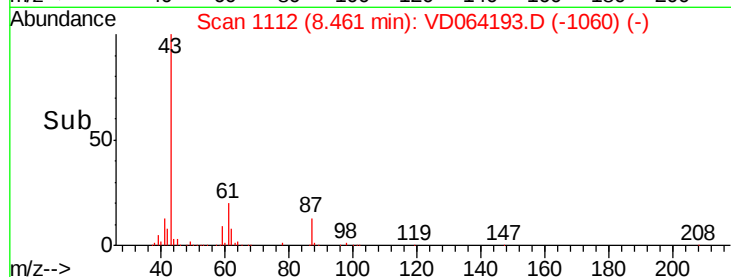
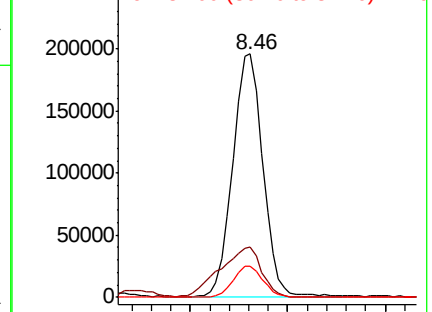
43 100

61 28.1 22.9 34.3

87 12.6 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.459 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064193.D

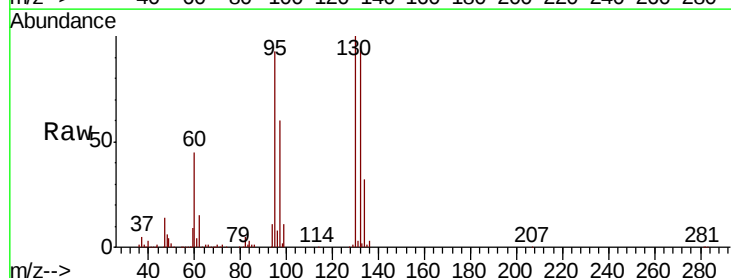
Acq: 11 Nov 2019 22:32

Tgt Ion:130 Resp: 359007

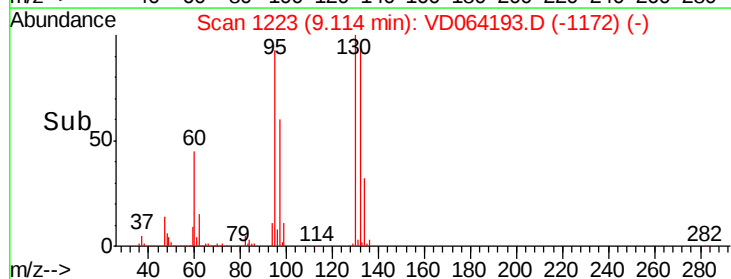
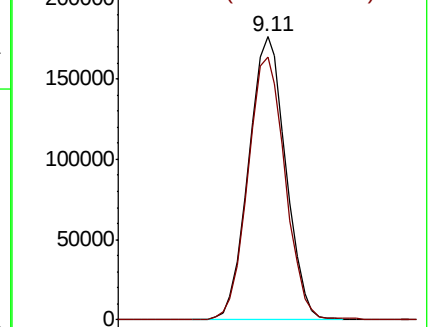
Ion Ratio Lower Upper

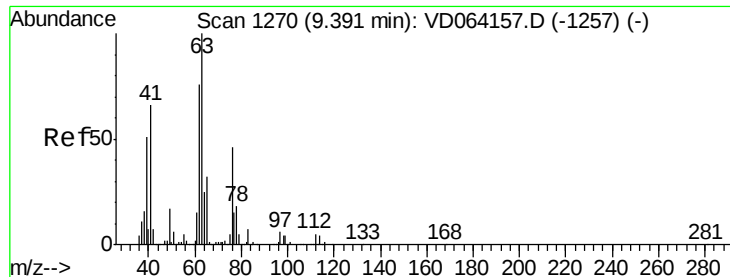
130 100

95 92.8 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 54.554 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

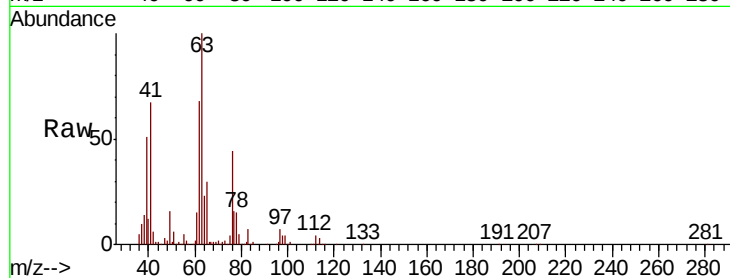
ClientSampleId :

Tot Ion: 63 Resp: 308655

Ion Ratio Lower Upper

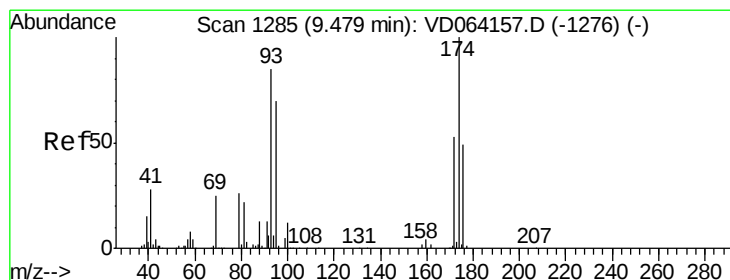
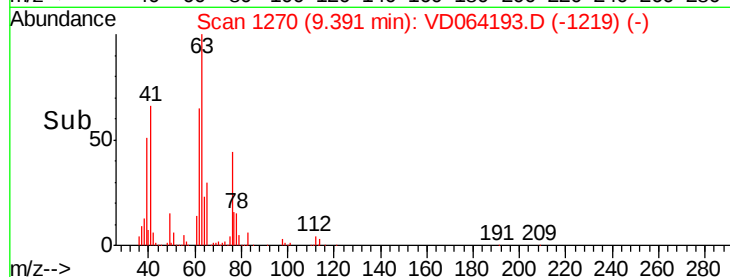
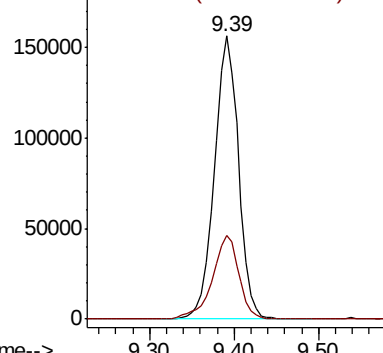
63 100

65 29.8 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 55.078 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

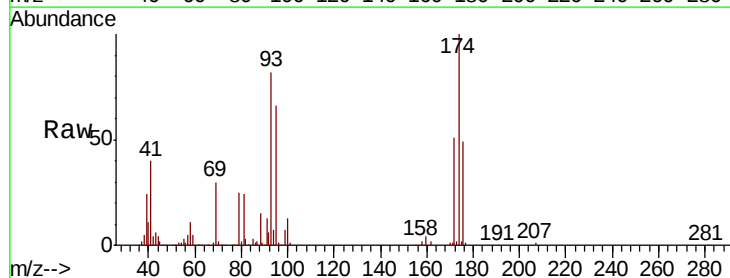
Tgt Ion: 93 Resp: 166827

Ion Ratio Lower Upper

93 100

95 84.7 65.5 98.3

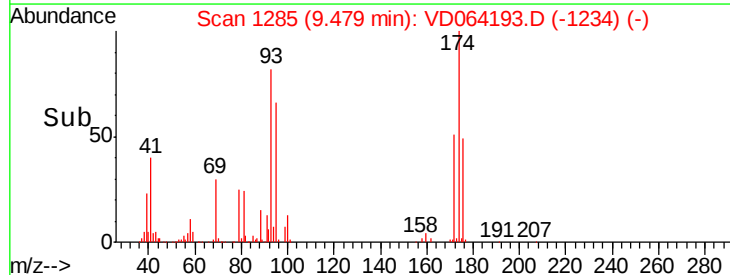
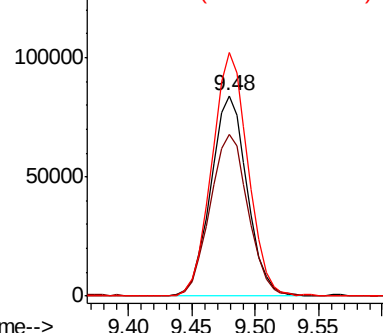
174 121.3 93.9 140.9

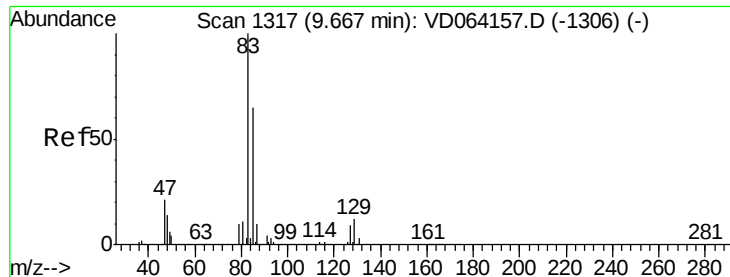


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.737 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

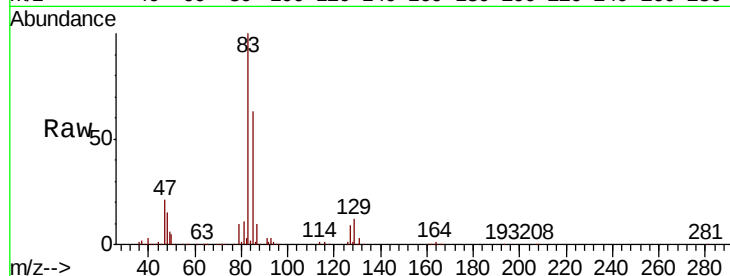
Tot Ion: 83 Resp: 454748

Ion Ratio Lower Upper

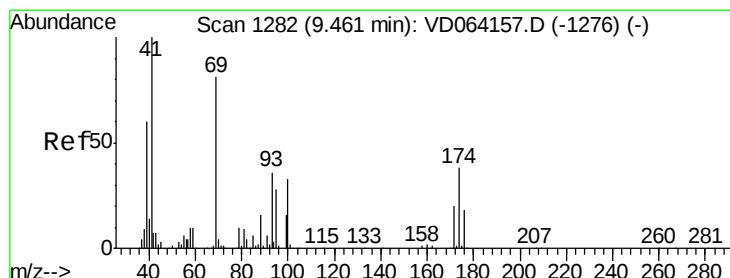
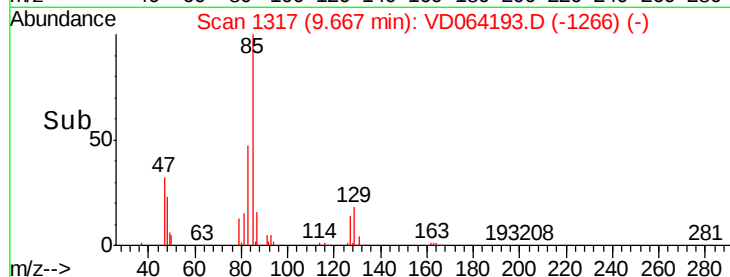
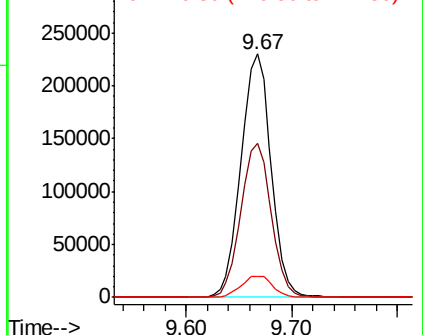
83 100

85 63.4 52.2 78.4

127 8.8 7.5 11.3



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



#48

Methyl methacrylate

Concen: 54.066 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

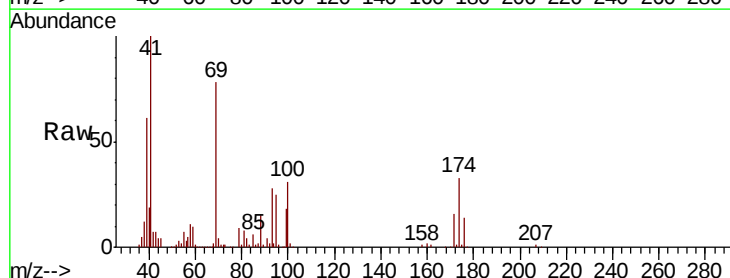
Tgt Ion: 41 Resp: 195314

Ion Ratio Lower Upper

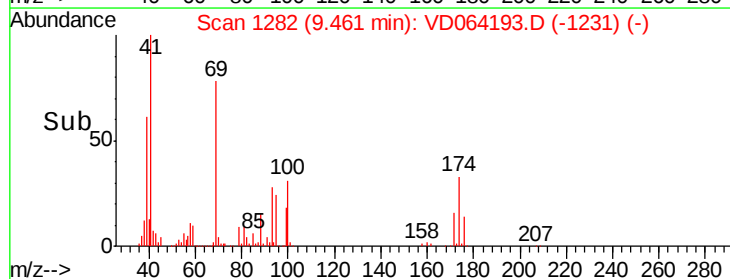
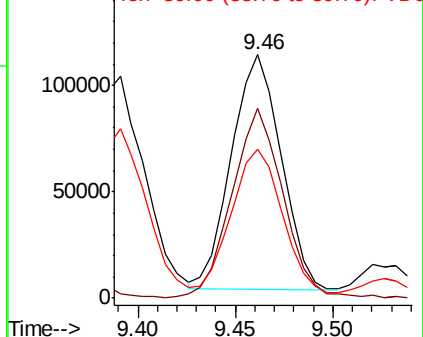
41 100

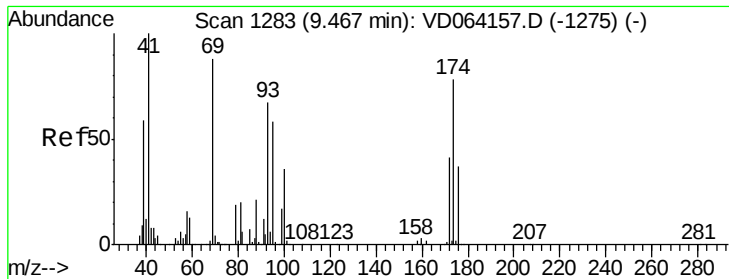
69 82.1 64.6 97.0

39 67.4 48.2 72.2



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

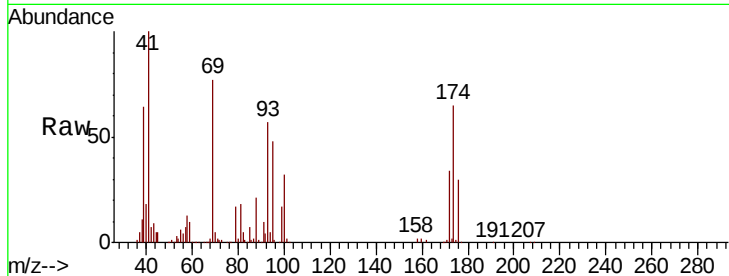




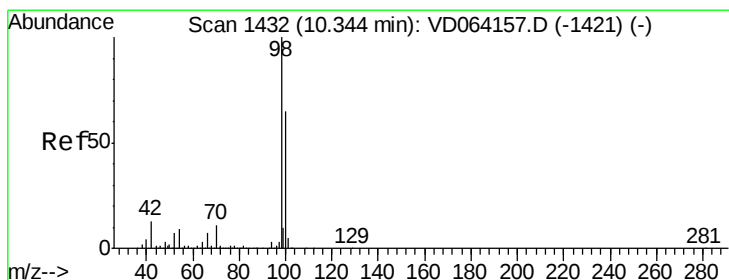
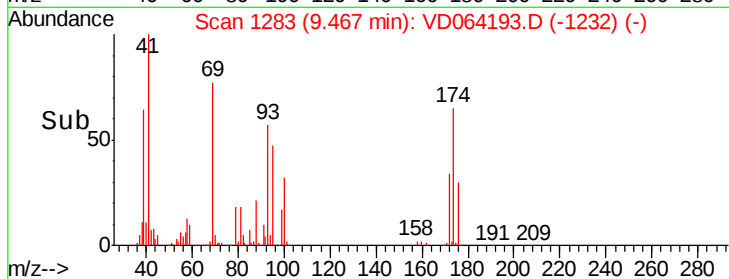
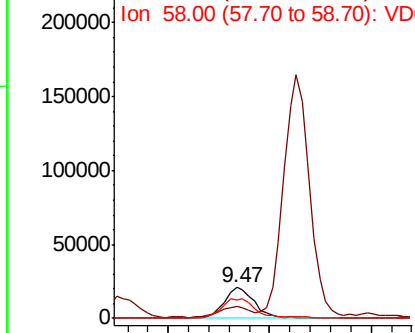
#49
1,4-Dioxane
Concen: 1192.936 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 43396
Ion Ratio Lower Upper
88 100
43 35.1 29.8 44.8
58 72.0 58.1 87.1

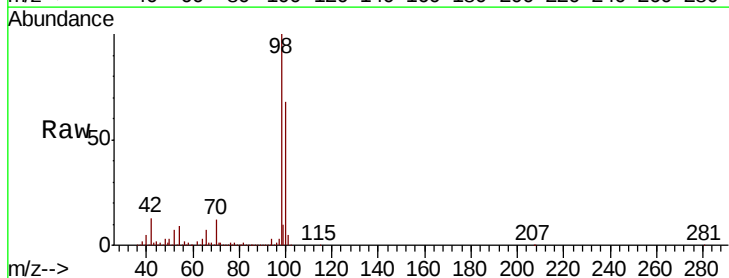


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

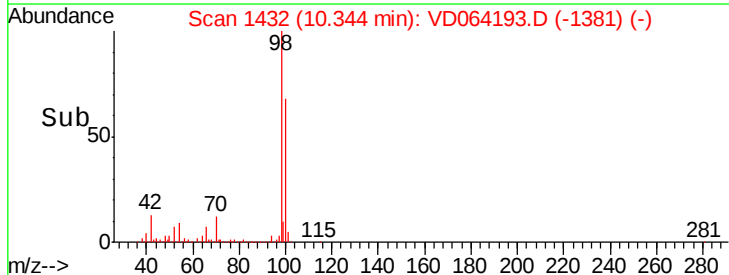
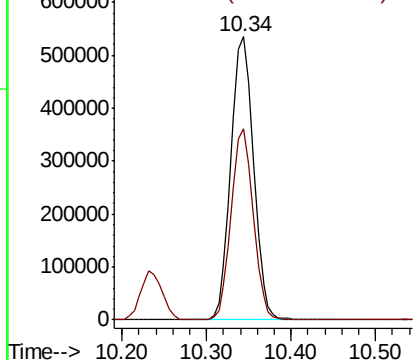


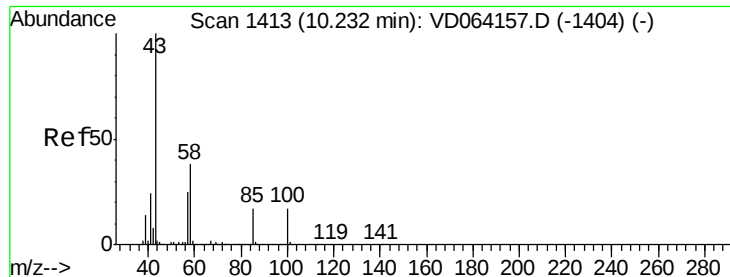
#50
Toluene-d8
Concen: 49.537 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 98 Resp: 988563
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



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: 288.206 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

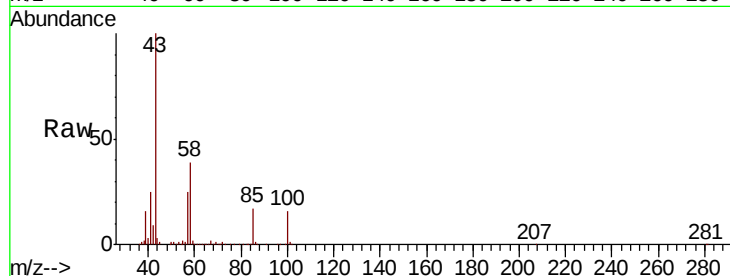
ClientSampleId :

Tot Ion: 43 Resp: 1021056

Ion Ratio Lower Upper

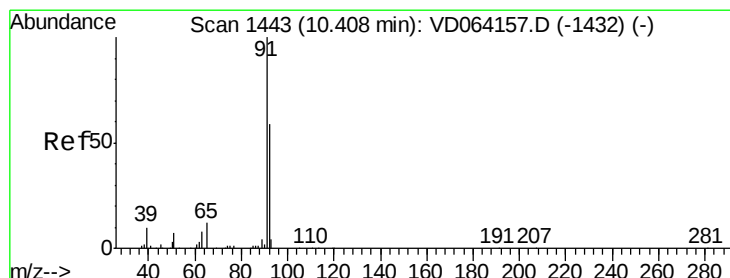
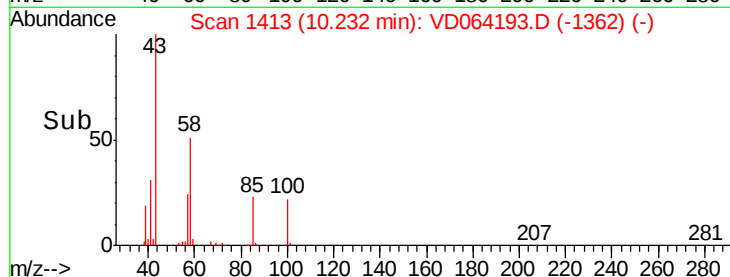
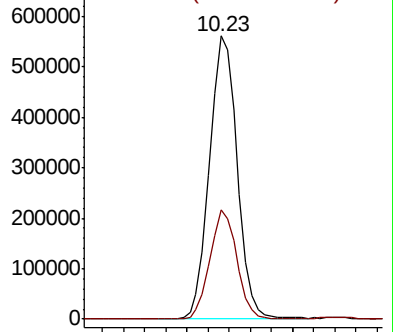
43 100

58 37.6 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.711 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064193.D

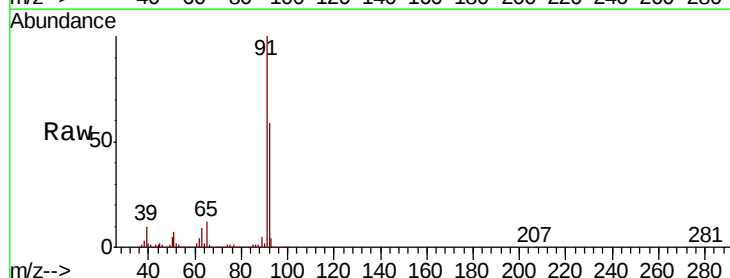
Acq: 11 Nov 2019 22:32

Tgt Ion: 92 Resp: 805691

Ion Ratio Lower Upper

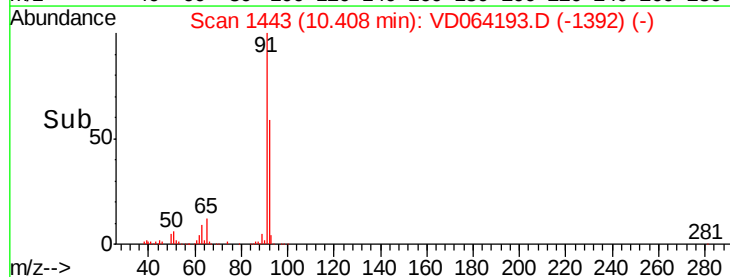
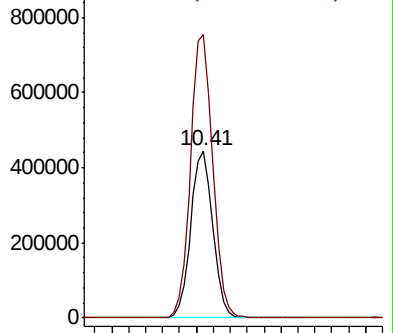
92 100

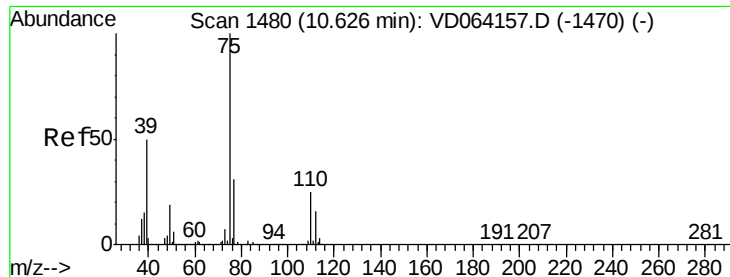
91 170.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.045 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

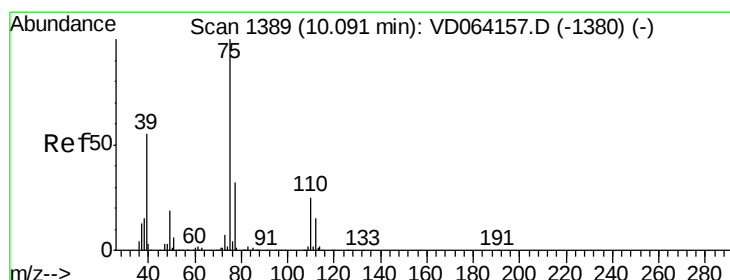
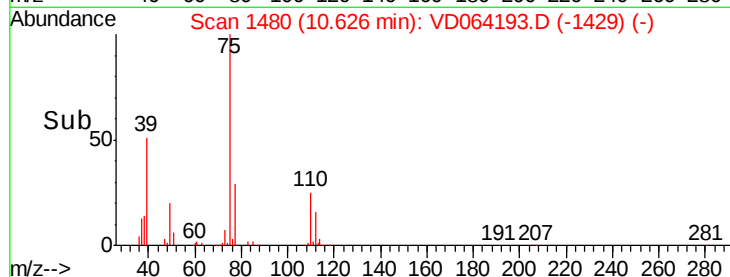
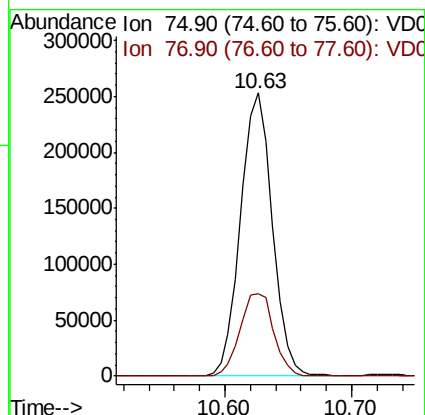
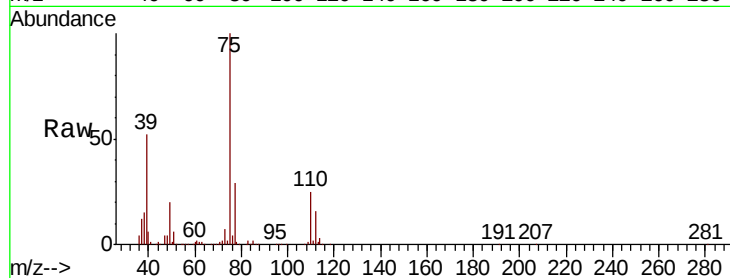
ClientSampleId :

Tot Ion: 75 Resp: 441753

Ion Ratio Lower Upper

75 100

77 29.3 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 53.819 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

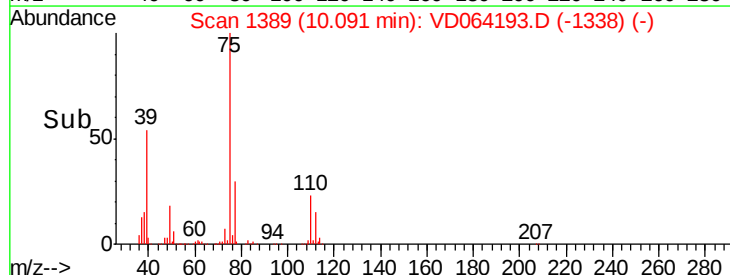
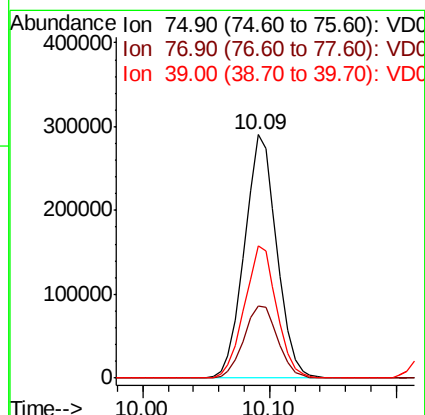
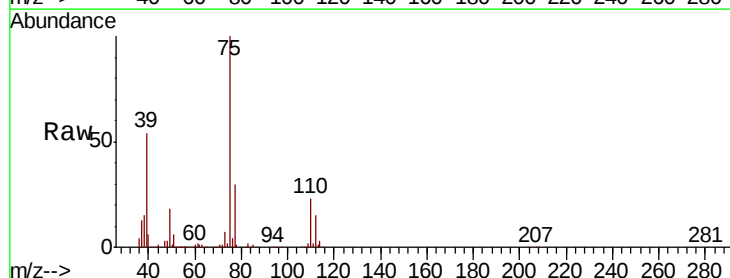
Tgt Ion: 75 Resp: 513332

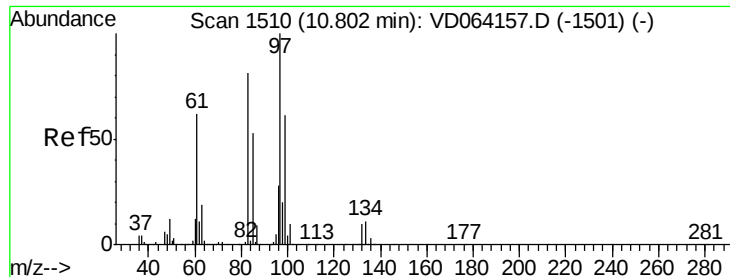
Ion Ratio Lower Upper

75 100

77 29.8 25.2 37.8

39 54.2 44.2 66.2

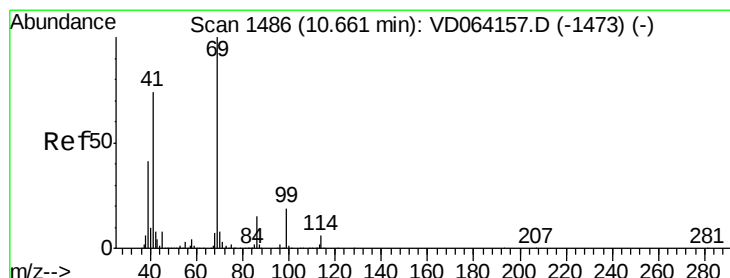
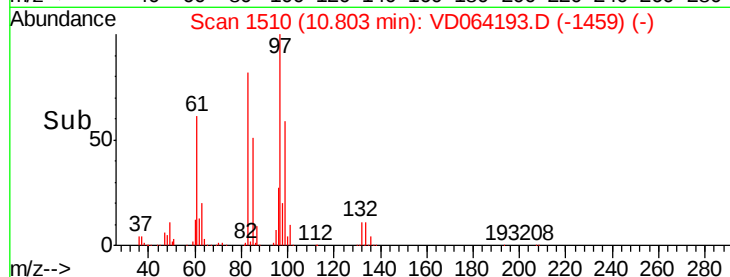
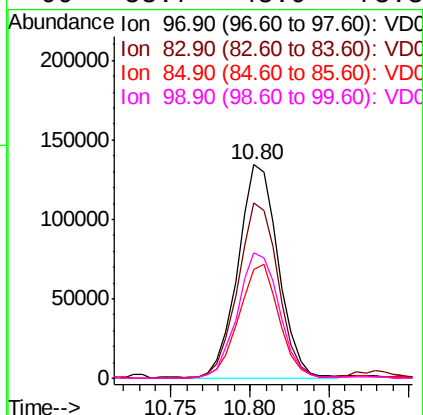
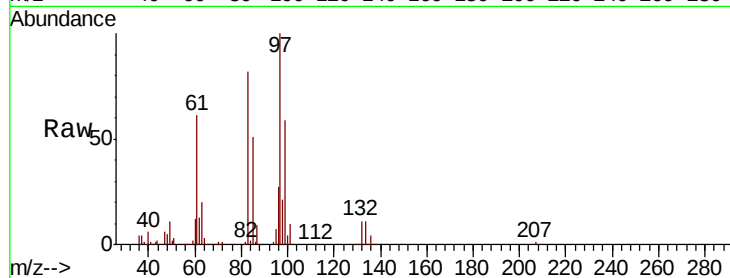




#55
 1,1,2-Trichloroethane
 Concen: 57.999 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

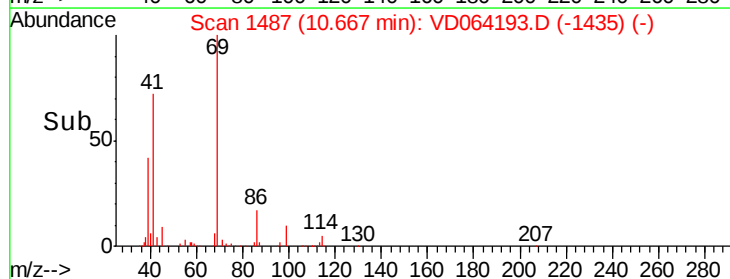
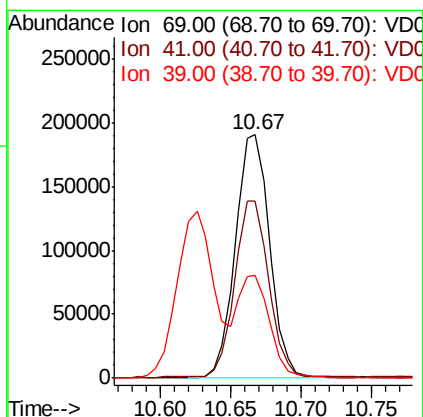
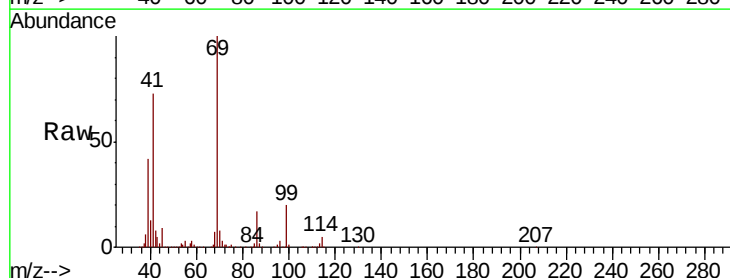
Instrument :
 MSVOA_D
 ClientSampleId :

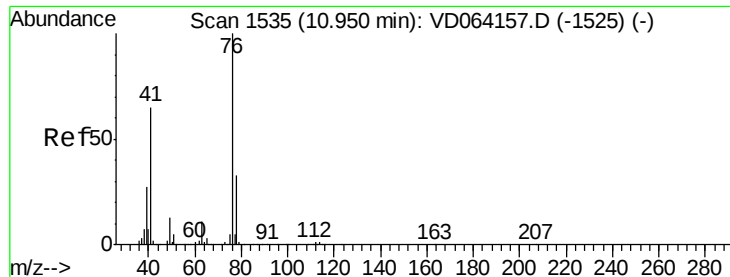
Tot Ion:	97	Resp:	238316
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.1	97.7
85	50.6	42.0	63.0
99	58.7	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 56.502 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion:	69	Resp:	324772
Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.9	86.9
39	38.1	29.0	43.4





#57

1,3-Dichloropropane

Concen: 56.348 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

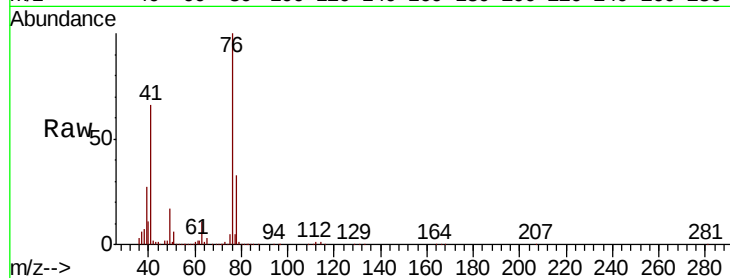
ClientSampleId :

Tot Ion: 76 Resp: 403793

Ion Ratio Lower Upper

76 100

78 32.7 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

200000

150000

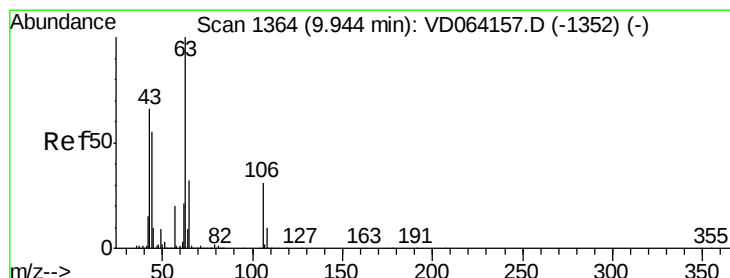
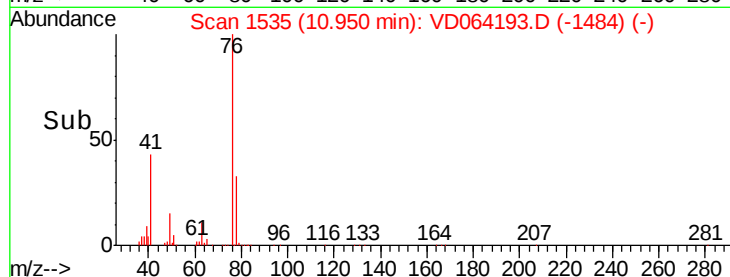
100000

50000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 283.868 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064193.D

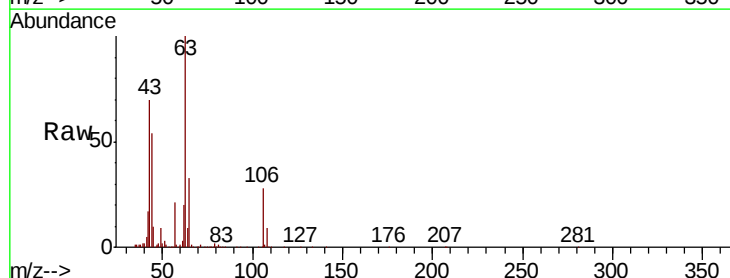
Acq: 11 Nov 2019 22:32

Tgt Ion: 63 Resp: 660941

Ion Ratio Lower Upper

63 100

106 29.7 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

400000

300000

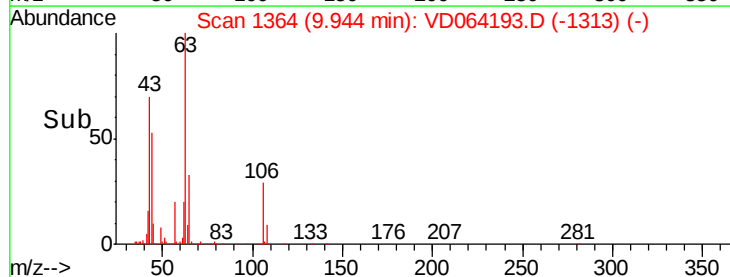
200000

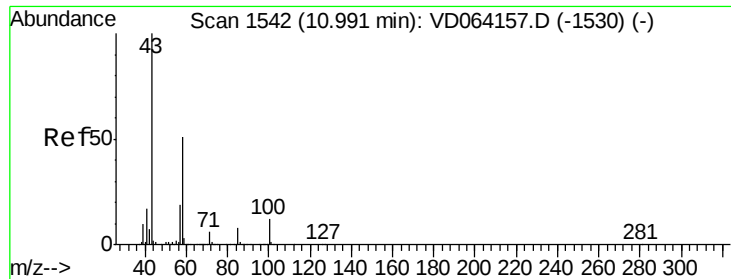
100000

0

Time-->

9.90 10.00 10.10

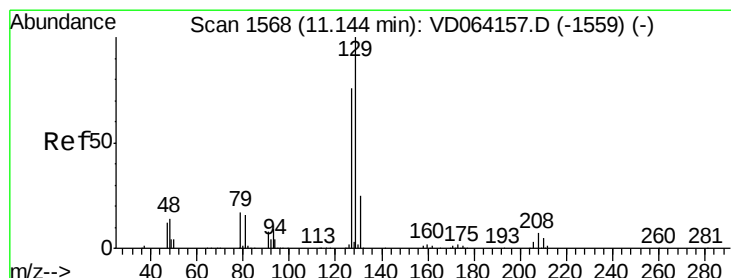
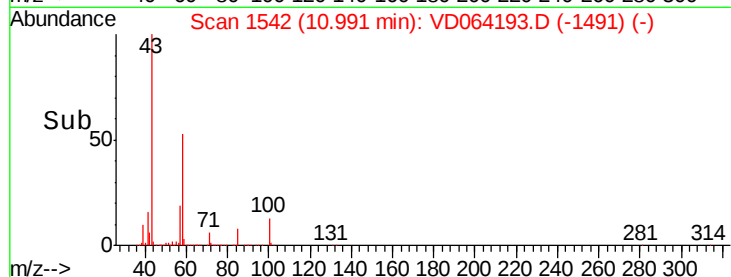
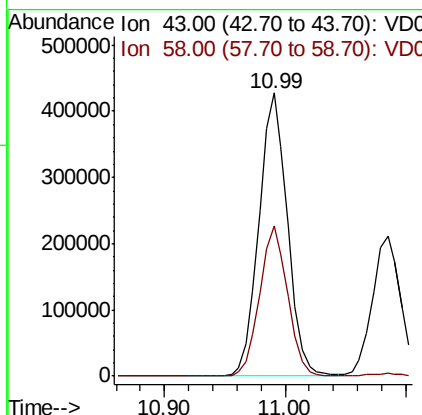
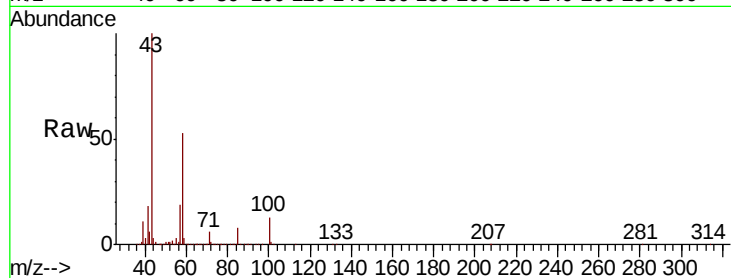




#59
2-Hexanone
Concen: 278.985 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

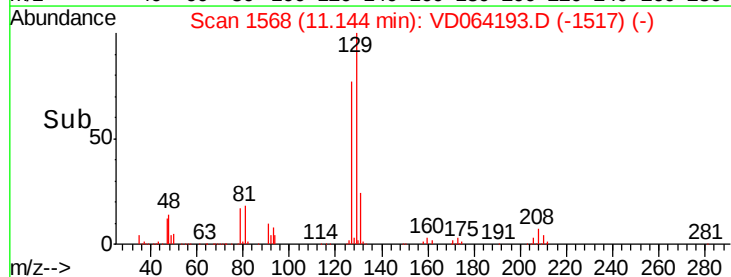
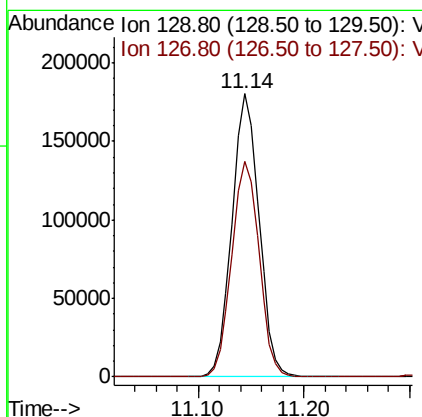
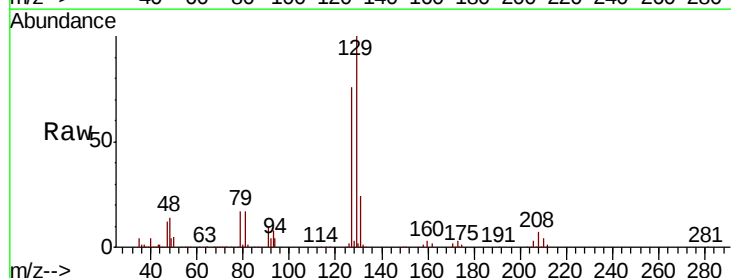
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 703184
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7



#60
Dibromochloromethane
Concen: 55.700 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 129 Resp: 319360
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

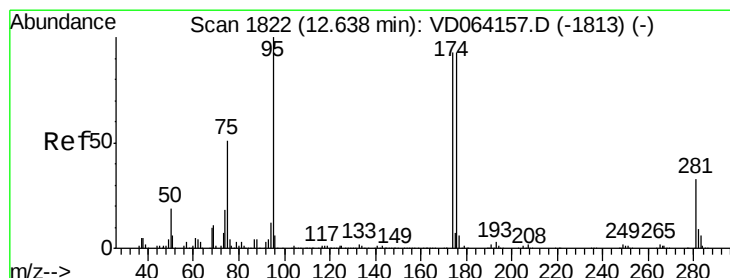
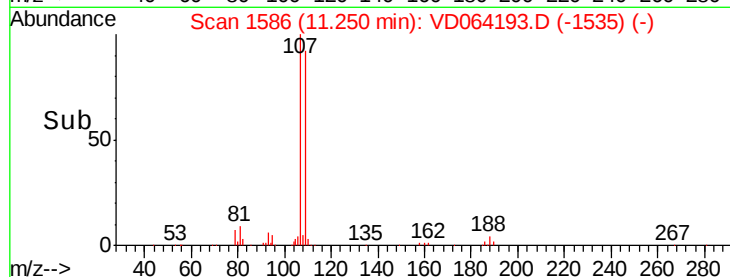
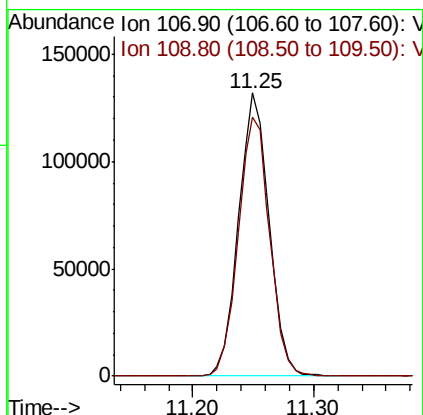
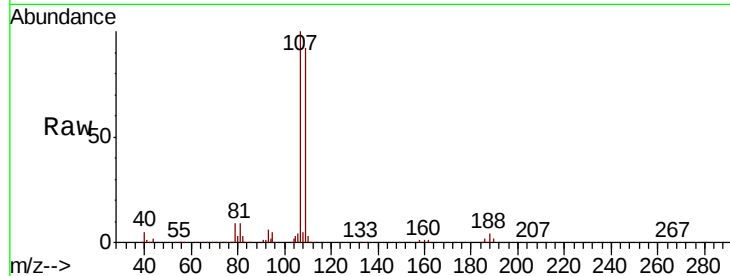




#61
 1,2-Dibromoethane
 Concen: 56.448 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

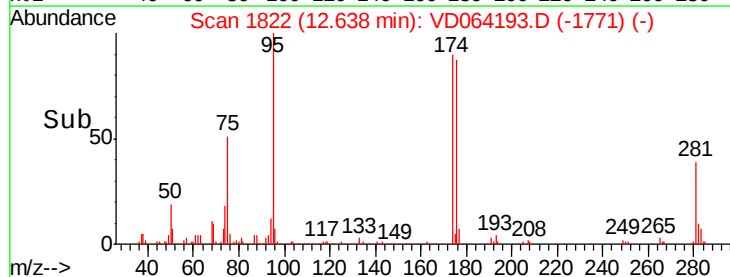
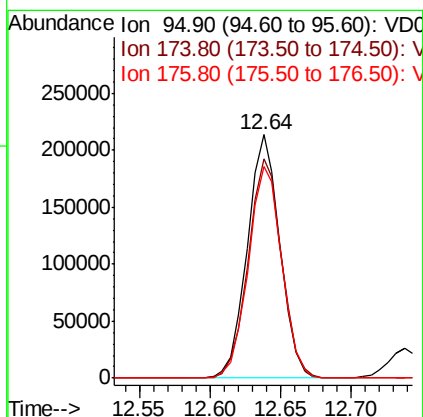
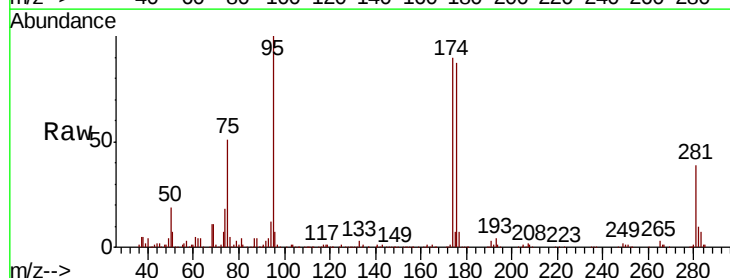
Instrument :
 MSVOA_D
 ClientSampleId :

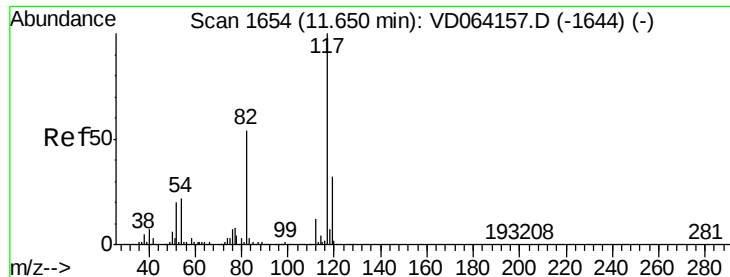
Tot Ion: 107 Resp: 232317
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.095 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion: 95 Resp: 346203
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.6
 176 89.3 0.0 180.2

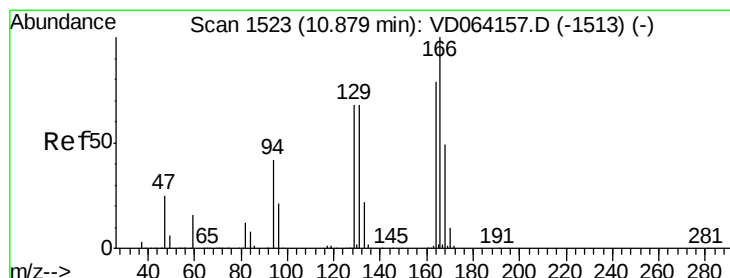
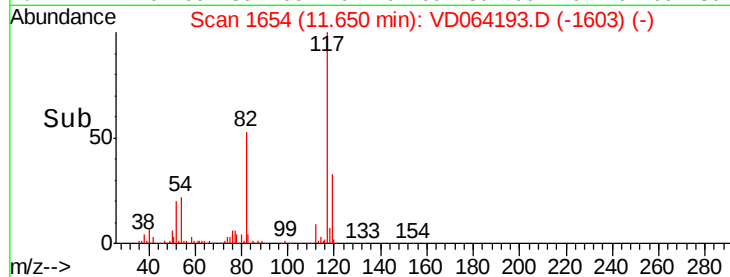
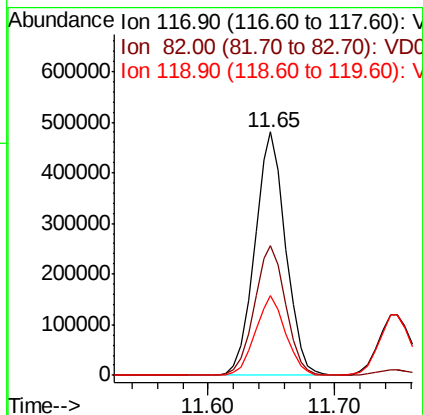
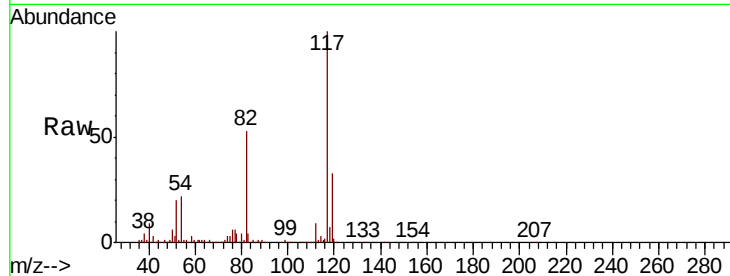




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

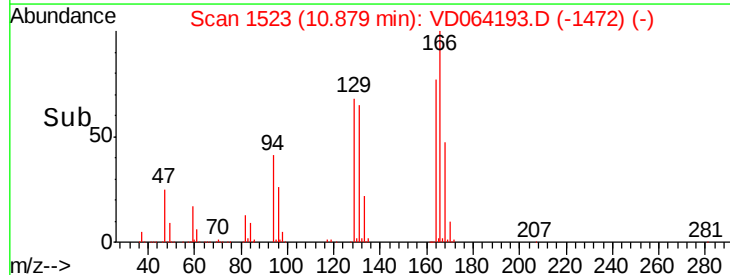
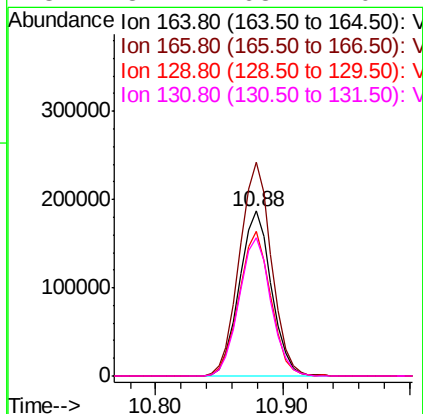
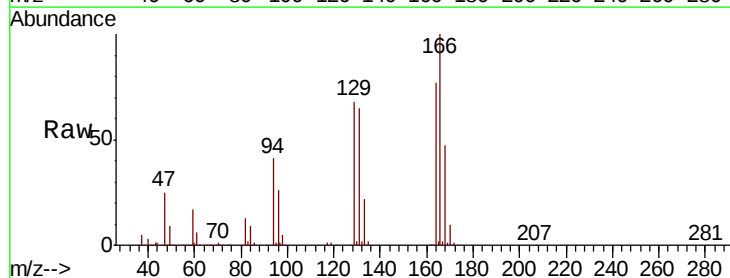
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 811819
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: 52.412 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion:164 Resp: 327239
Ion Ratio Lower Upper
164 100
166 129.6 100.8 151.2
129 88.1 68.7 103.1
131 84.1 68.1 102.1





#65

Chlorobenzene

Concen: 51.874 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

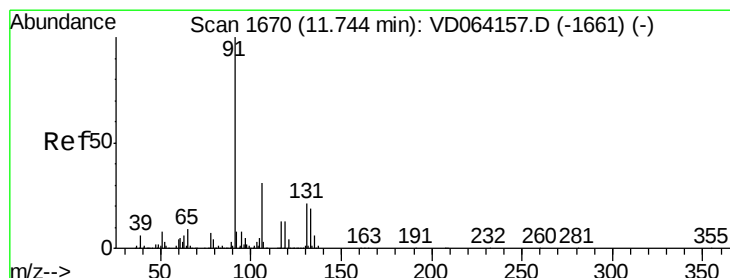
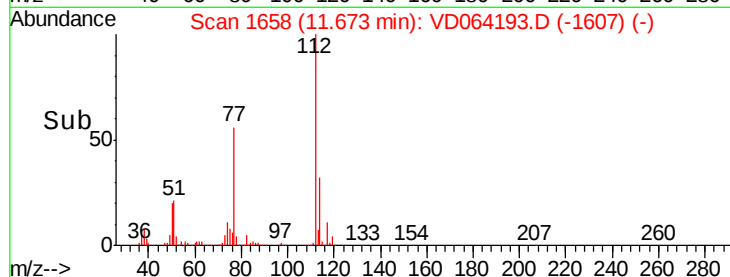
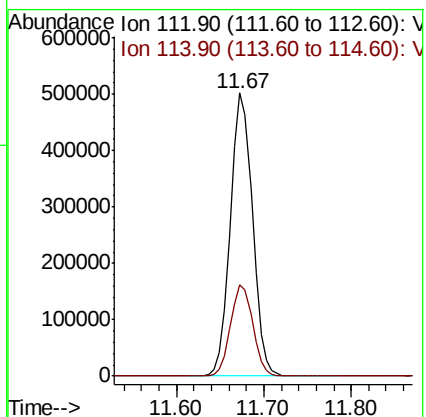
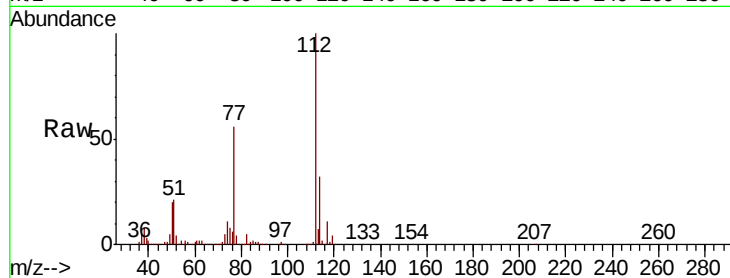
ClientSampleId :

Tot Ion:112 Resp: 856353

Ion Ratio Lower Upper

112 100

114 32.3 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 52.983 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

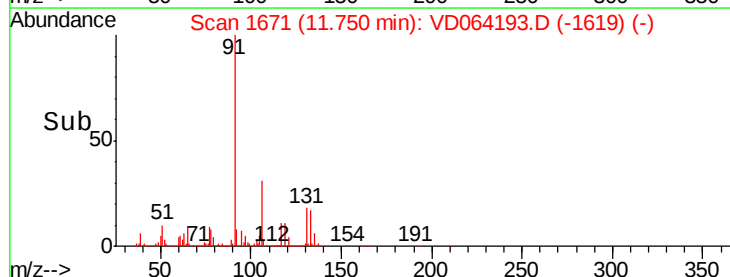
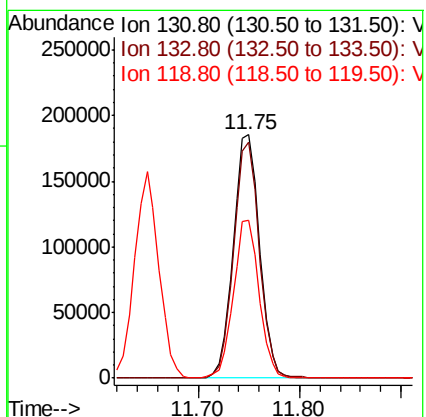
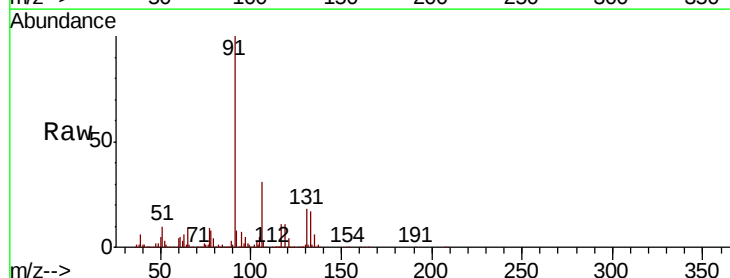
Tgt Ion:131 Resp: 332583

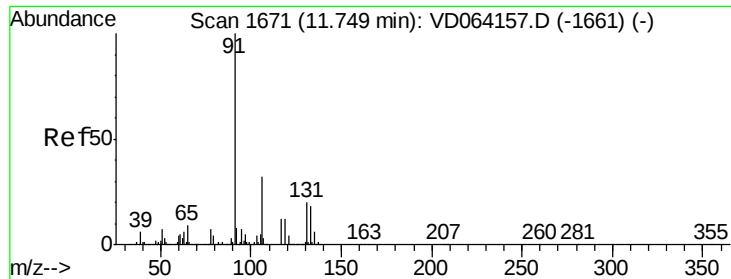
Ion Ratio Lower Upper

131 100

133 95.1 47.3 141.9

119 63.6 31.1 93.3





#67

Ethyl Benzene

Concen: 57.428 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

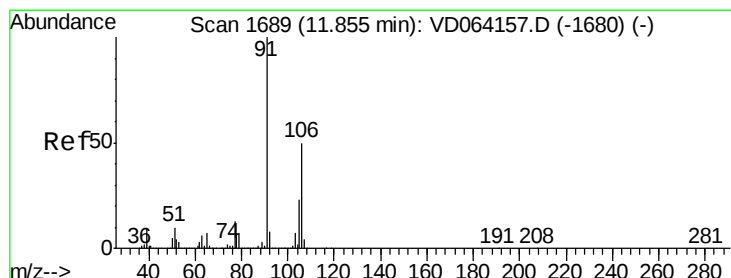
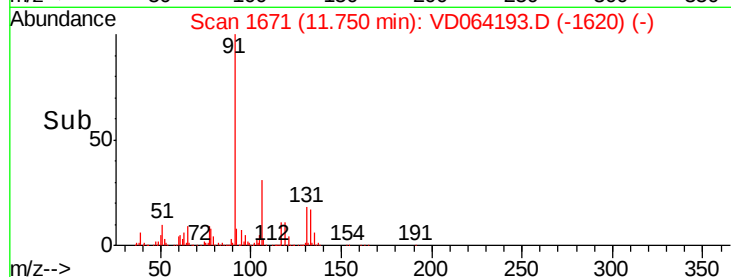
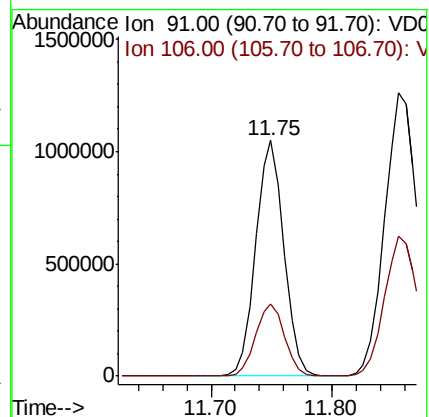
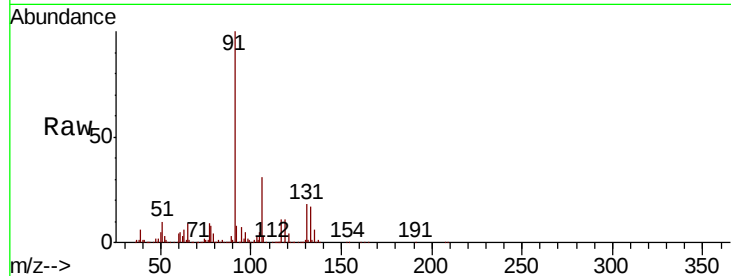
ClientSampleId :

Tot Ion: 91 Resp: 1714839

Ion Ratio Lower Upper

91 100

106 30.7 25.5 38.3



#68

m/p-Xylenes

Concen: 104.268 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064193.D

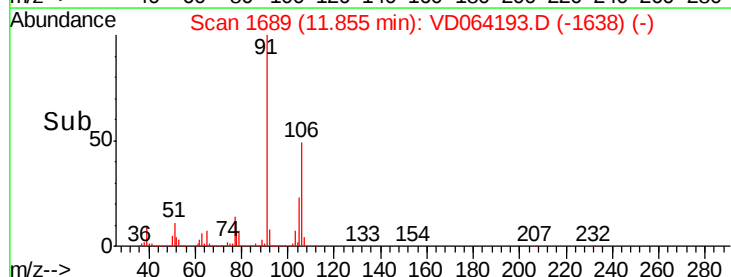
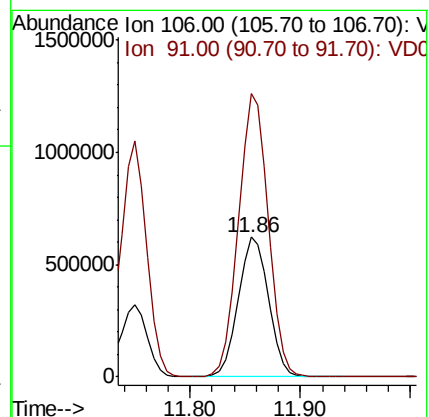
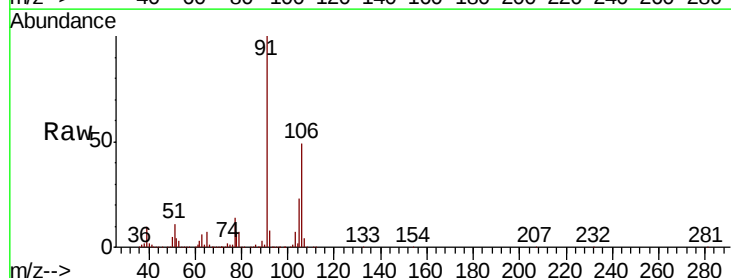
Acq: 11 Nov 2019 22:32

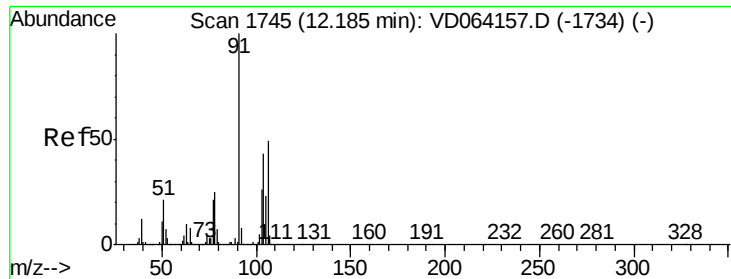
Tgt Ion: 106 Resp: 1193417

Ion Ratio Lower Upper

106 100

91 200.3 160.3 240.5

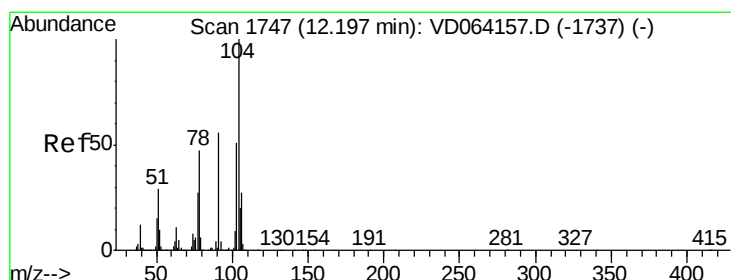
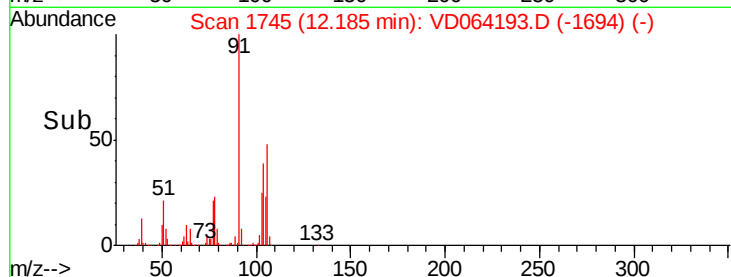
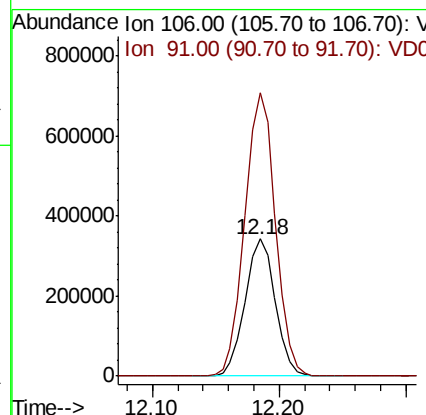
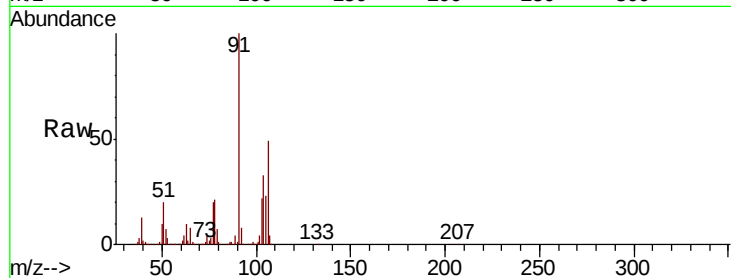




#69
o-Xylene
Concen: 53.389 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

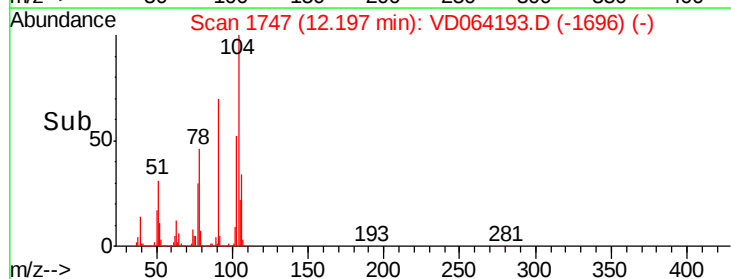
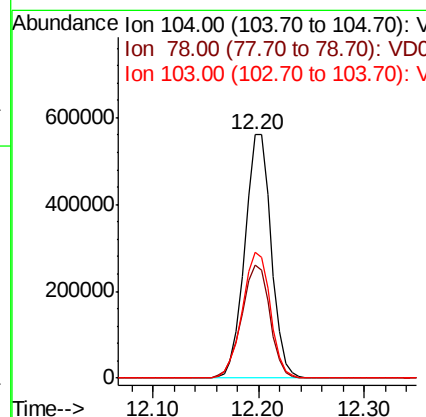
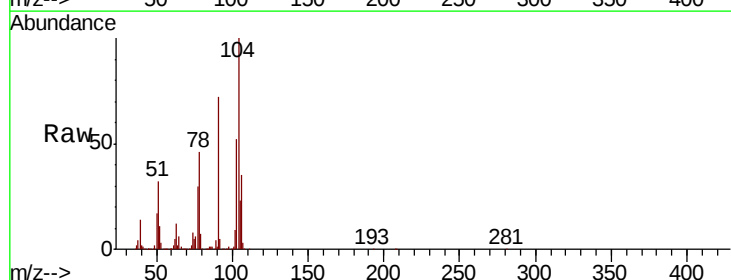
Instrument :
MSVOA_D
ClientSampled :

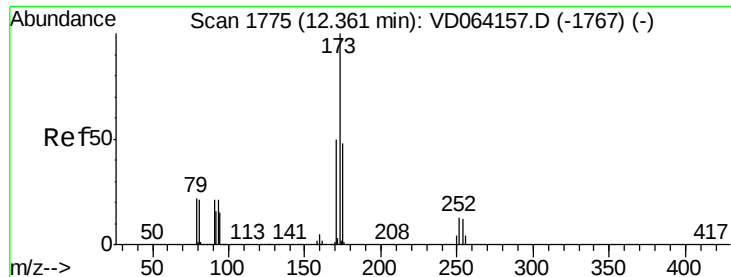
Tot Ion:106 Resp: 566732
Ion Ratio Lower Upper
106 100
91 209.8 105.1 315.3



#70
Styrene
Concen: 52.364 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion:104 Resp: 970290
Ion Ratio Lower Upper
104 100
78 49.6 39.9 59.9
103 54.8 43.4 65.0

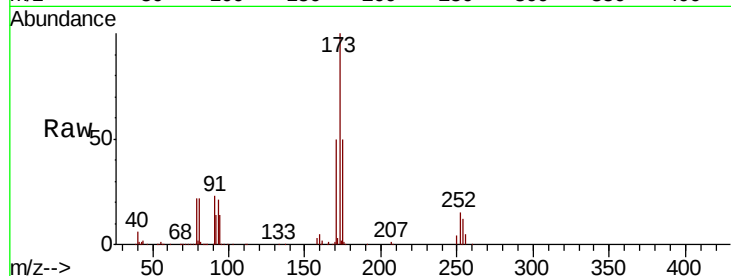




#71
Bromoform
Concen: 56.049 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.3
254	0.1	0.2	0.2#

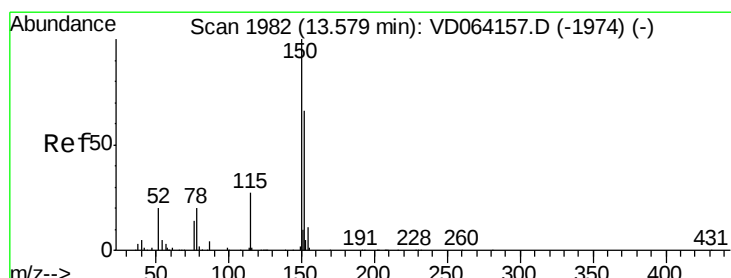
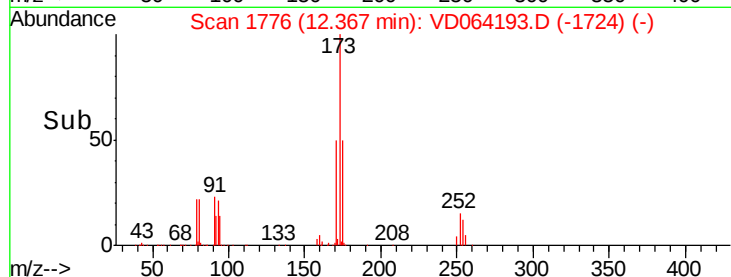
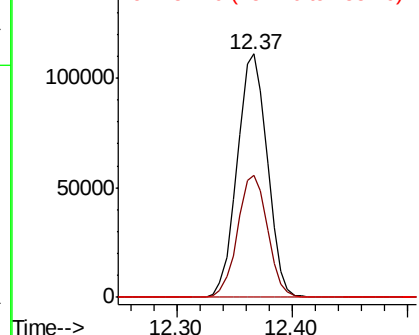


Abundance

Ion 172.70 (172.40 to 173.40): V

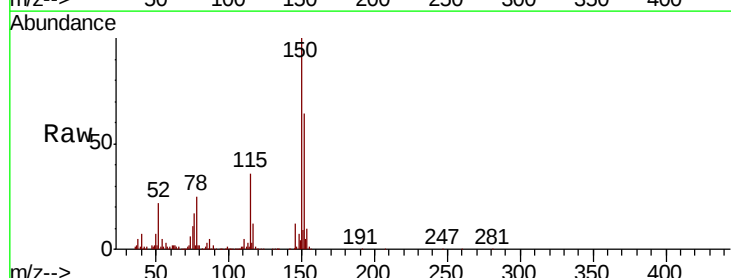
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.4	82.2
150	174.2	0.0	351.6

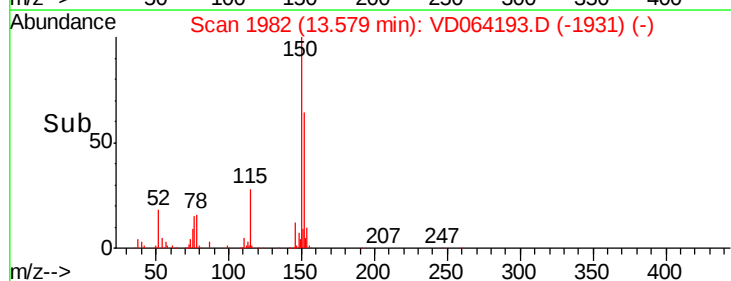
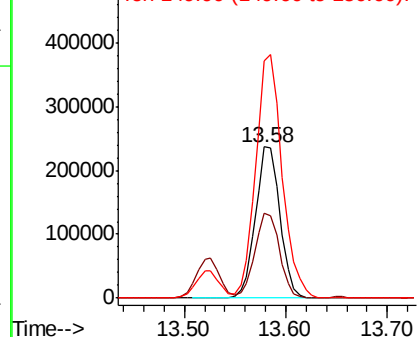


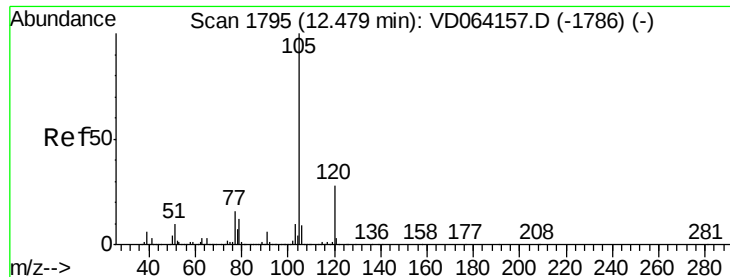
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.548 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

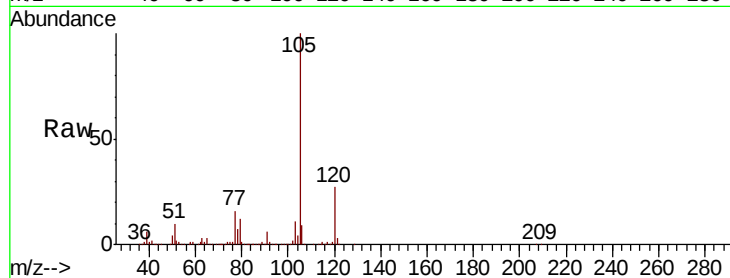
ClientSampled :

Tot Ion:105 Resp: 1473626

Ion Ratio Lower Upper

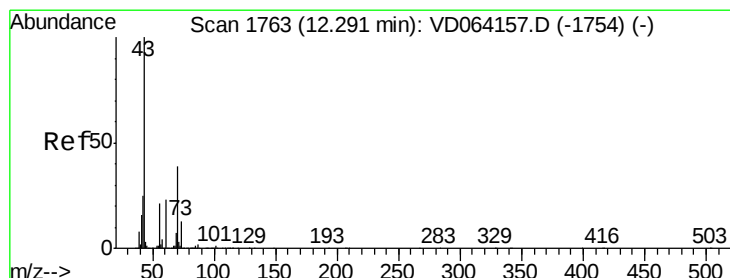
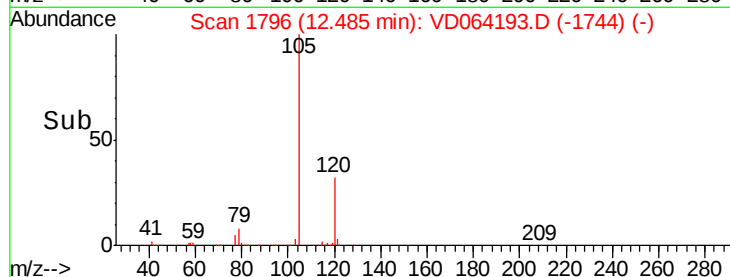
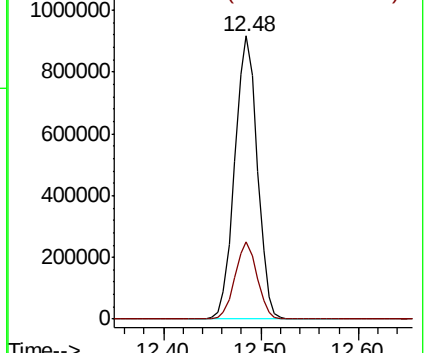
105 100

120 26.7 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.458 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion: 43 Resp: 374910

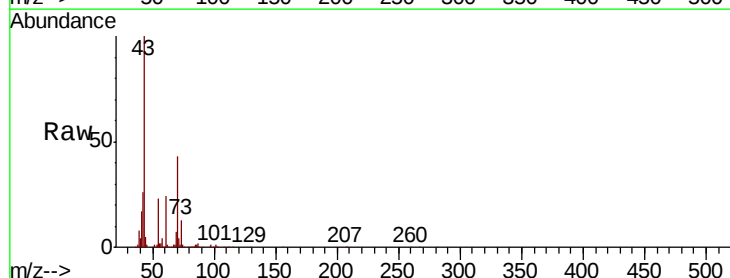
Ion Ratio Lower Upper

43 100

70 41.4 32.4 48.6

55 22.1 17.9 26.9

61 23.5 19.0 28.4

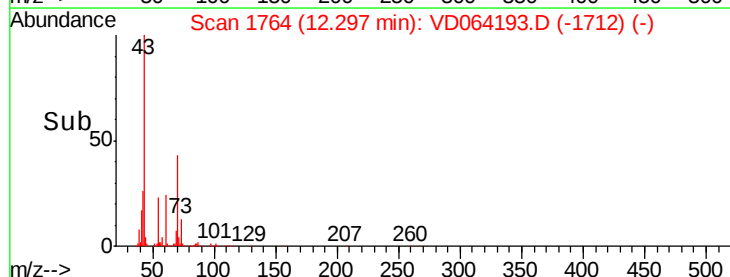
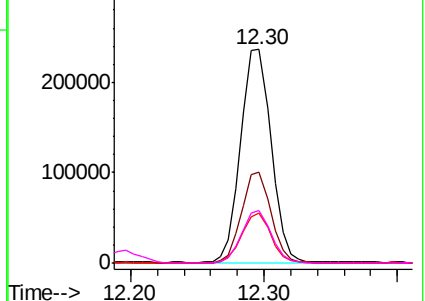


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.326 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampled :

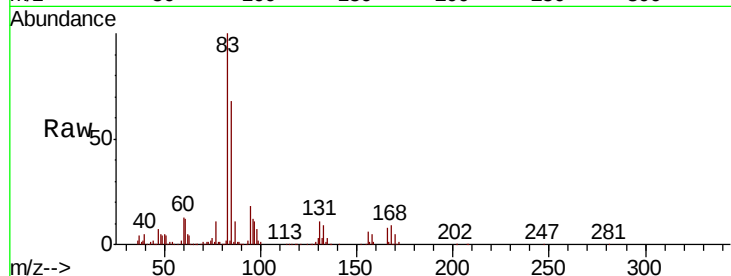
Tot Ion: 83 Resp: 243038

Ion Ratio Lower Upper

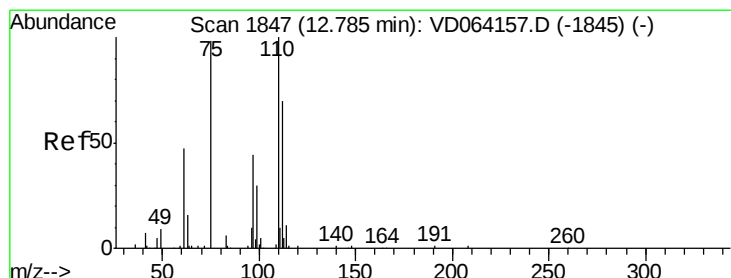
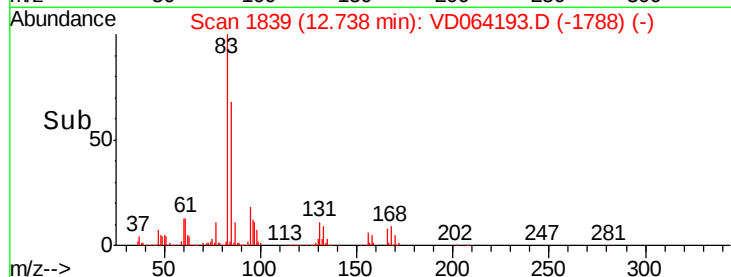
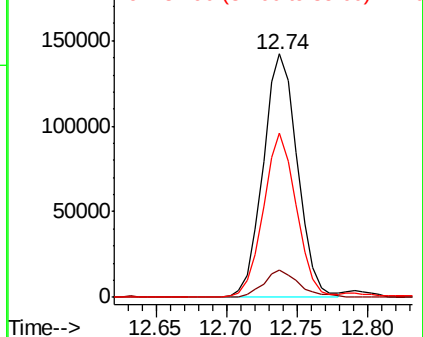
83 100

131 11.8 5.9 17.7

85 65.0 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 104.057 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064193.D

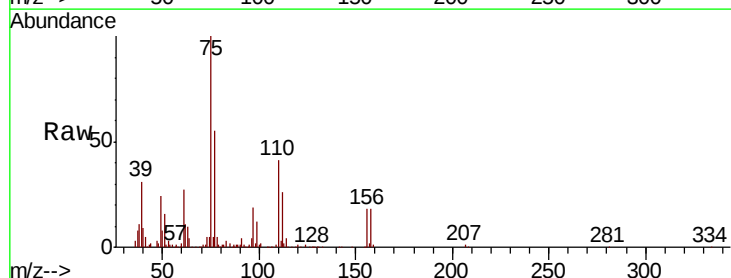
Acq: 11 Nov 2019 22:32

Tgt Ion: 75 Resp: 332900

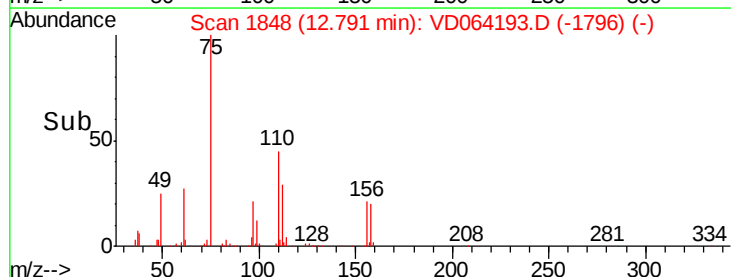
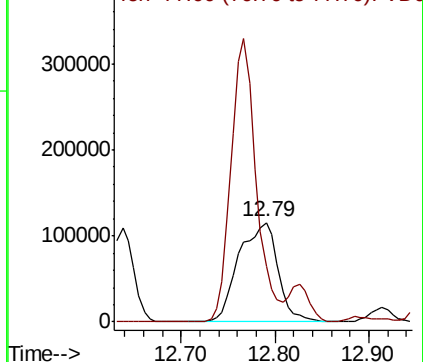
Ion Ratio Lower Upper

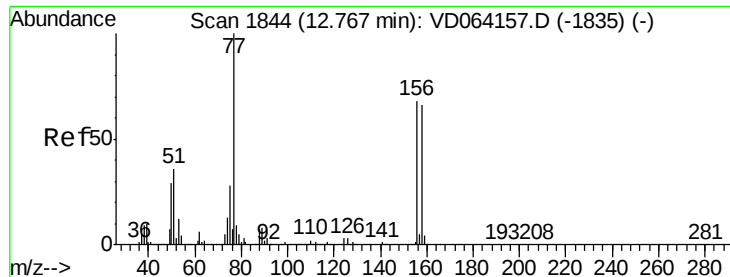
75 100

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: 52.693 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

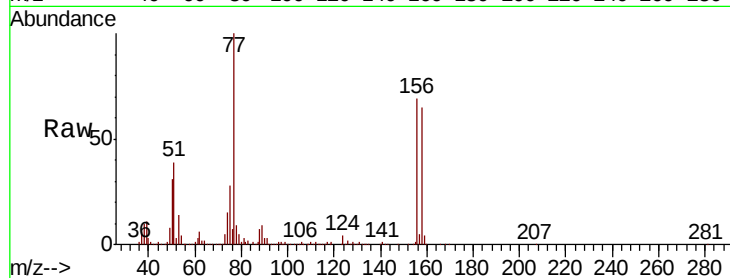
Tot Ion:156 Resp: 373203

Ion Ratio Lower Upper

156 100

77 165.1 81.2 243.4

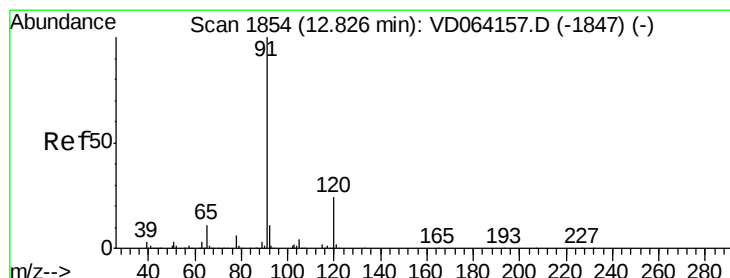
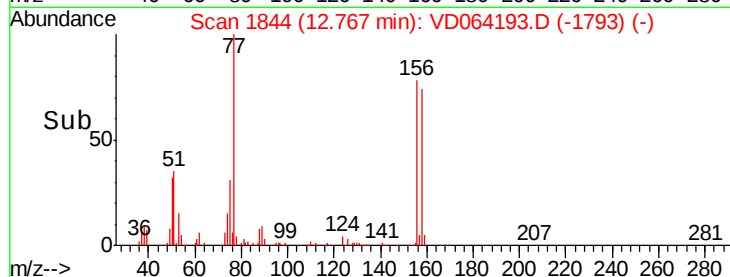
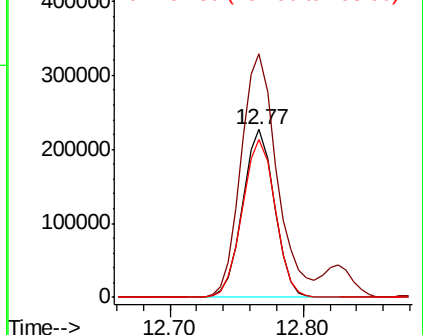
158 97.3 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.703 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064193.D

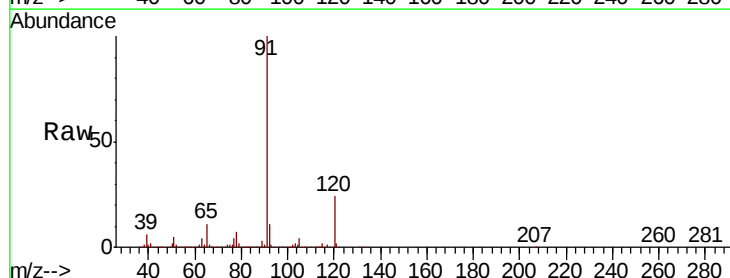
Acq: 11 Nov 2019 22:32

Tgt Ion: 91 Resp: 1655494

Ion Ratio Lower Upper

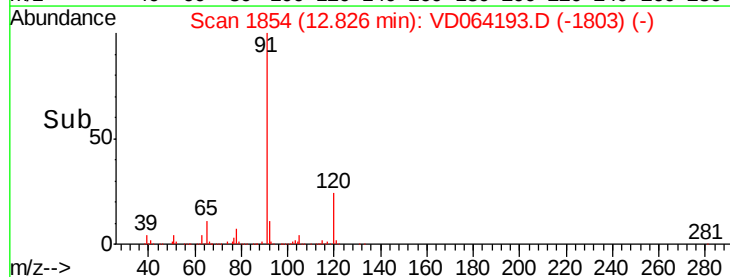
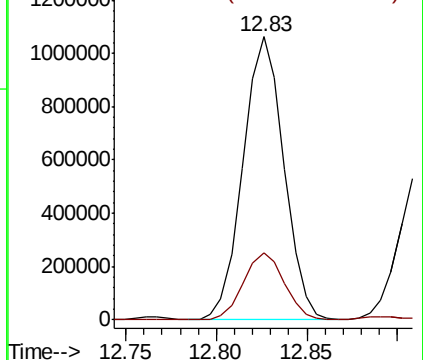
91 100

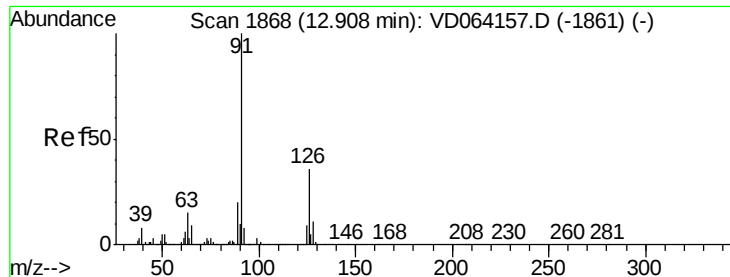
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.368 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

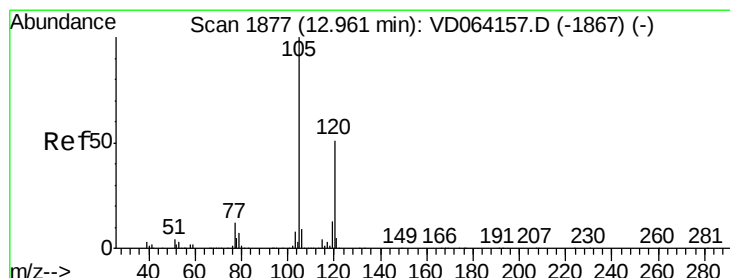
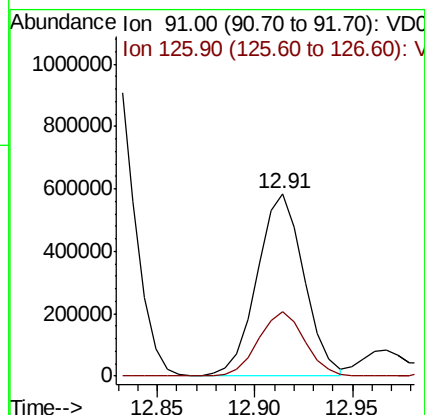
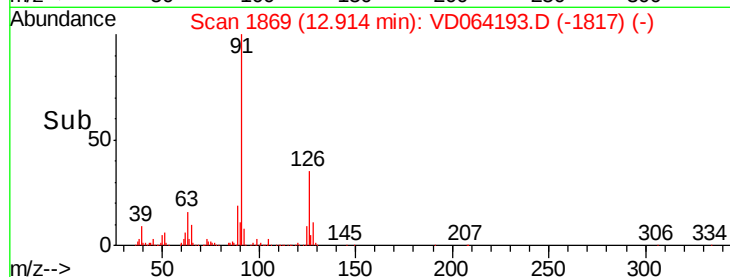
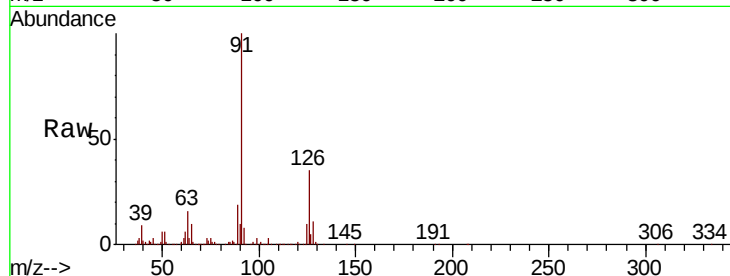
ClientSampleId :

Tot Ion: 91 Resp: 965966

Ion Ratio Lower Upper

91 100

126 35.3 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 50.963 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064193.D

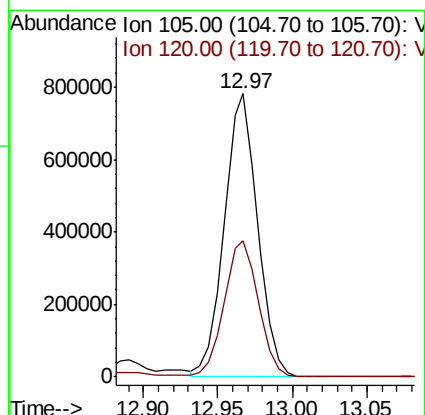
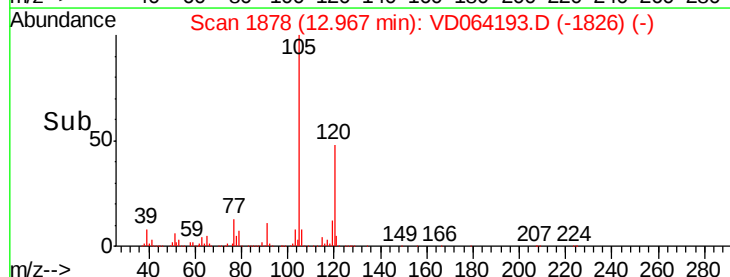
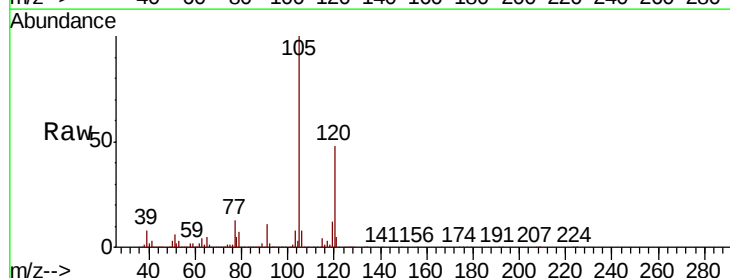
Acq: 11 Nov 2019 22:32

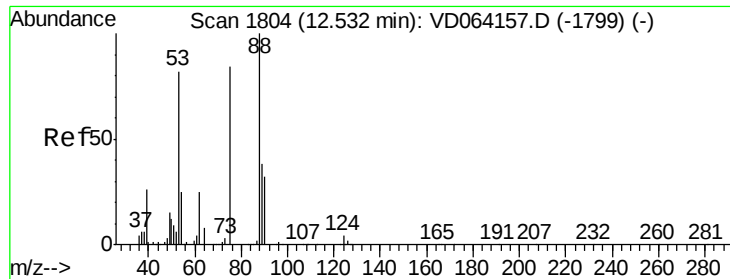
Tgt Ion:105 Resp: 1220828

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.4

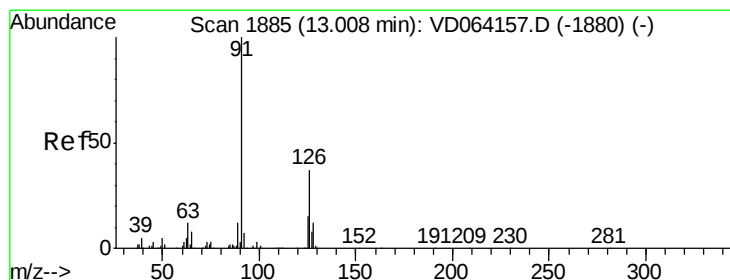
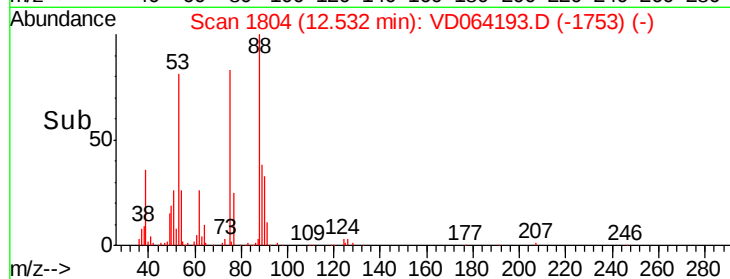
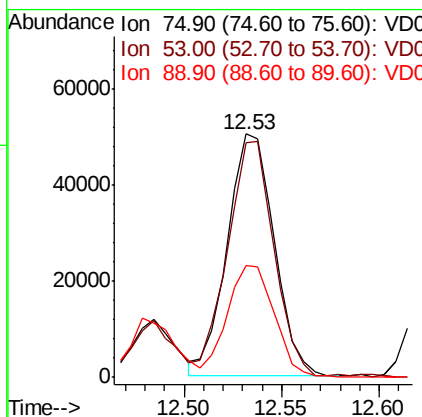
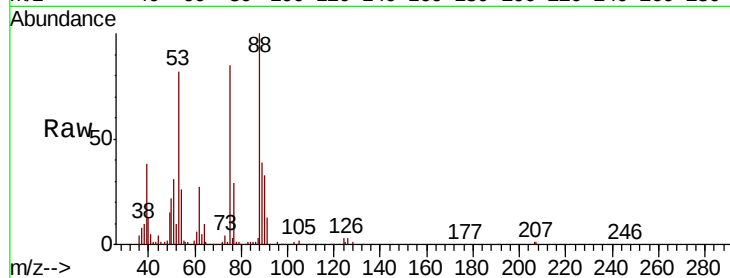




#81
trans-1,4-Dichloro-2-butene
Concen: 52.223 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

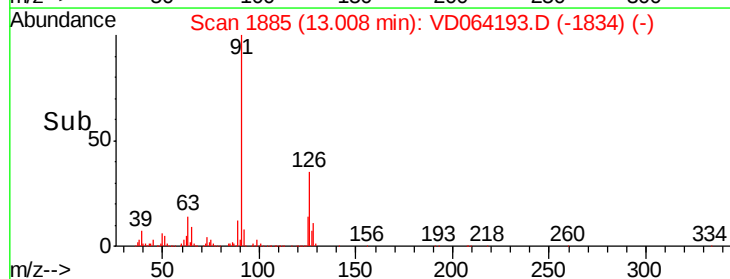
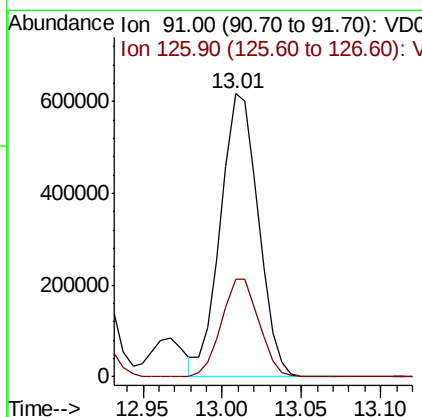
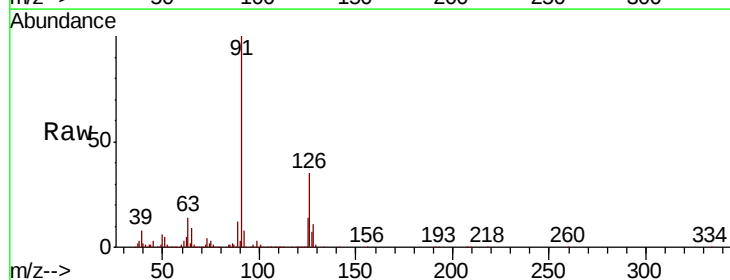
Instrument :
MSVOA_D
ClientSampleId :

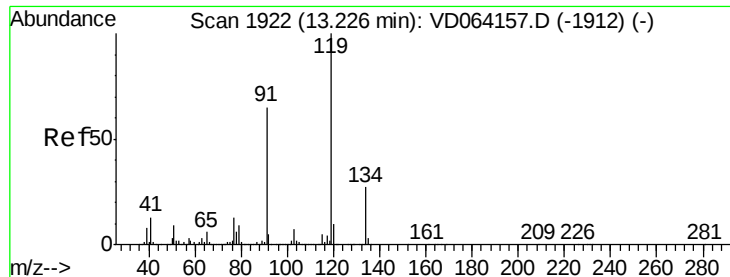
Tot Ion: 75 Resp: 84108
Ion Ratio Lower Upper
75 100
53 95.9 79.4 119.0
89 46.2 36.6 55.0



#82
4-Chlorotoluene
Concen: 52.195 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 91 Resp: 1023755
Ion Ratio Lower Upper
91 100
126 34.3 17.8 53.4





#83

tert-Butylbenzene

Concen: 48.999 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

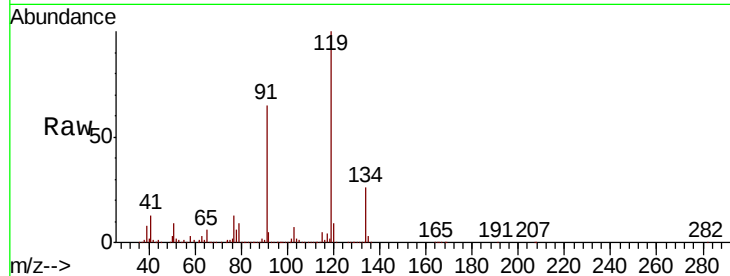
Tot Ion:119 Resp: 1035011

Ion Ratio Lower Upper

119 100

91 63.7 31.8 95.4

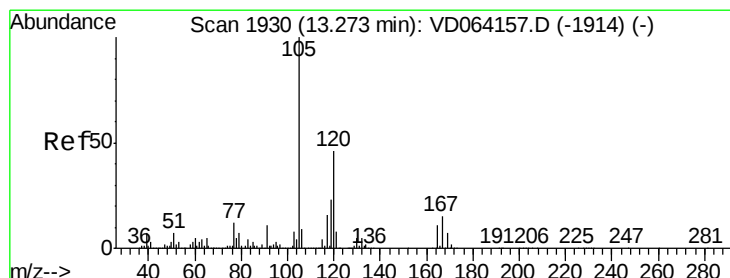
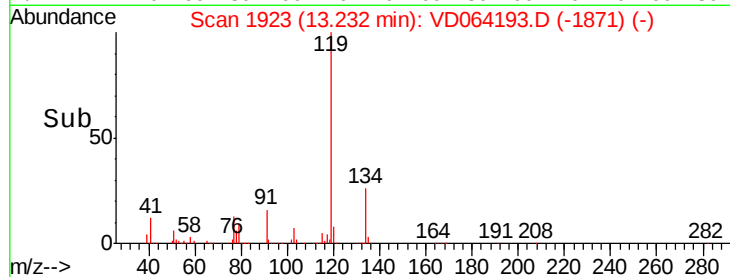
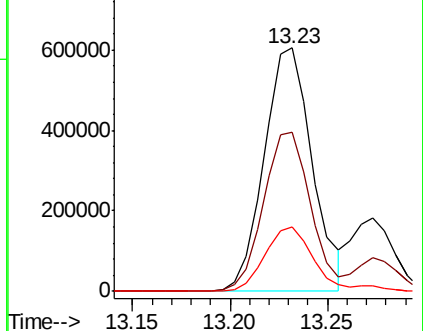
134 27.6 13.7 41.0



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: 52.183 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064193.D

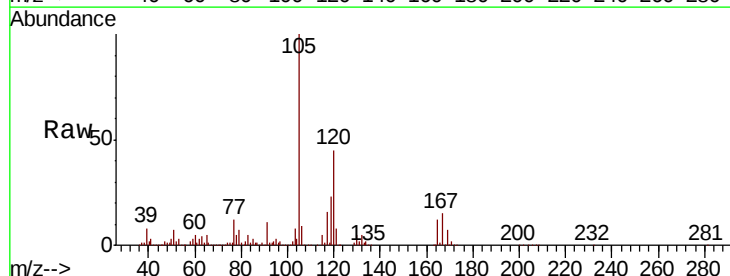
Acq: 11 Nov 2019 22:32

Tgt Ion:105 Resp: 1234120

Ion Ratio Lower Upper

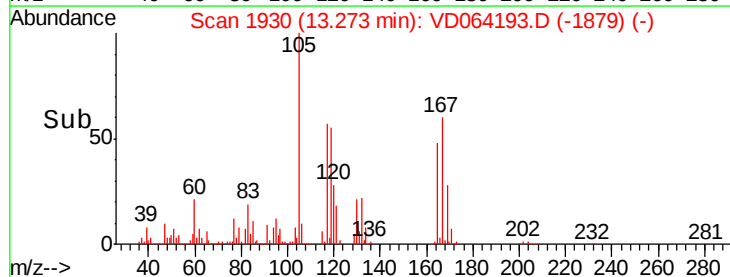
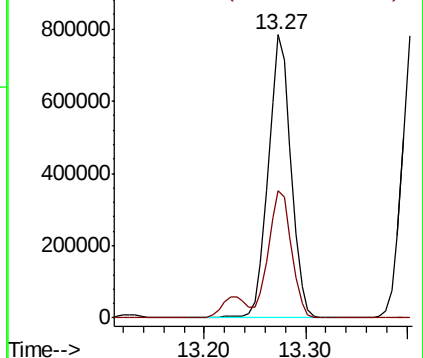
105 100

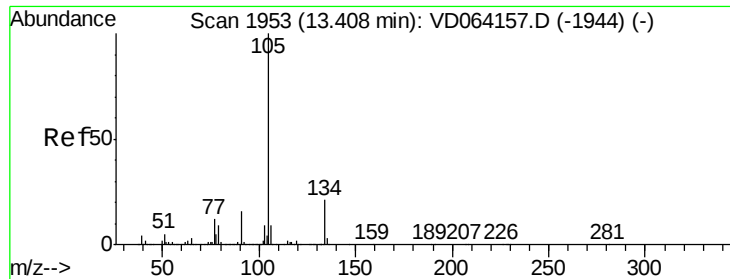
120 45.9 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.680 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

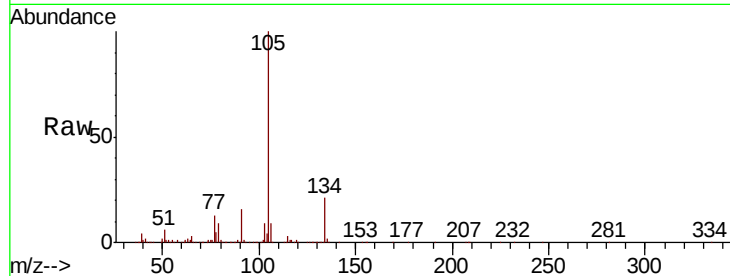
ClientSampleId :

Tot Ion:105 Resp: 1381060

Ion Ratio Lower Upper

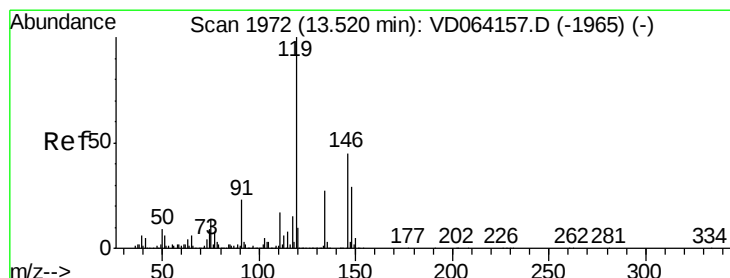
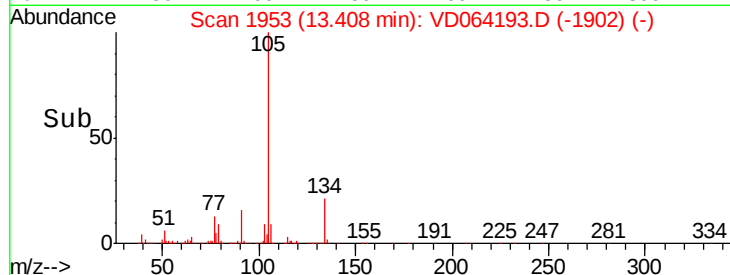
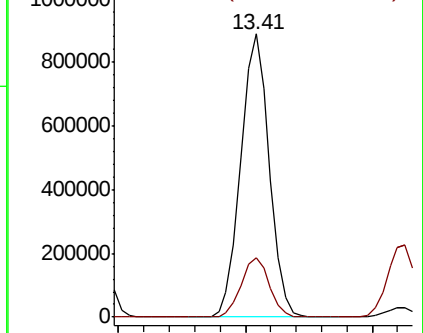
105 100

134 21.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.098 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

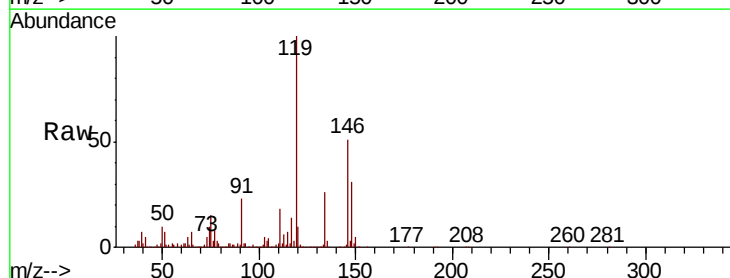
Tgt Ion:119 Resp: 1297278

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

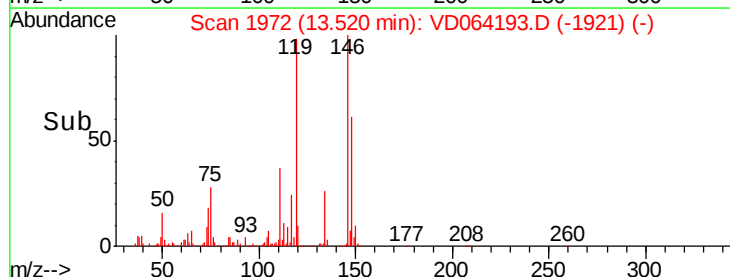
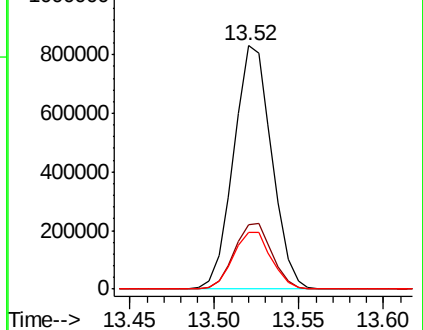
91 23.5 11.5 34.4

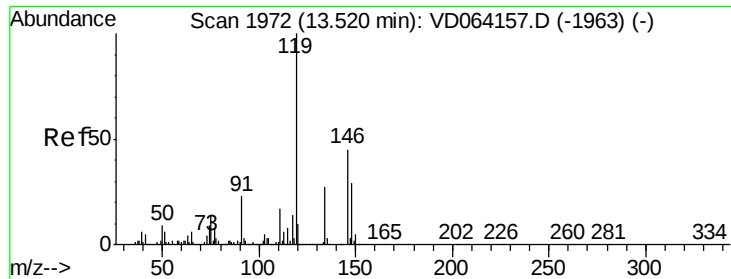


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

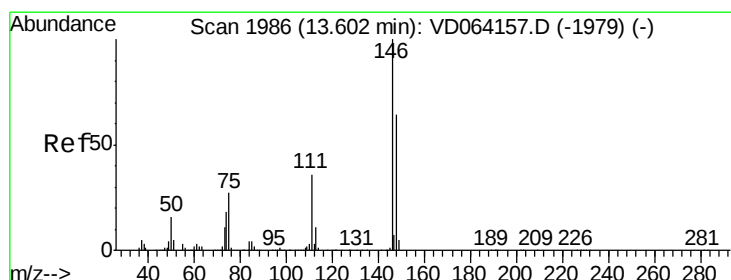
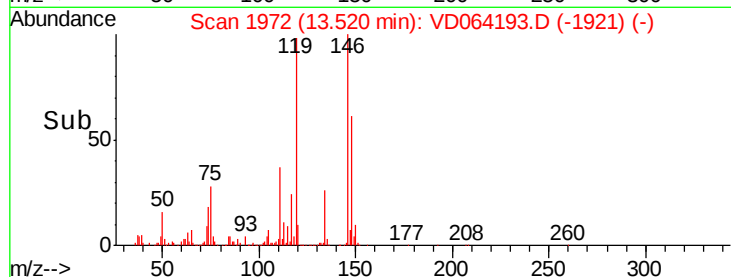
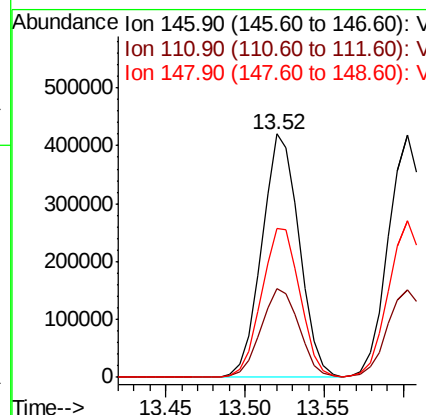
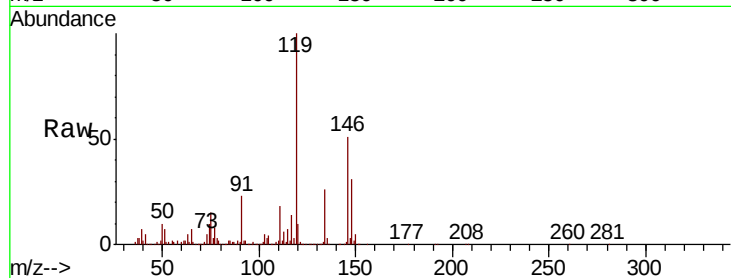




#87
 1,3-Dichlorobenzene
 Concen: 52.485 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

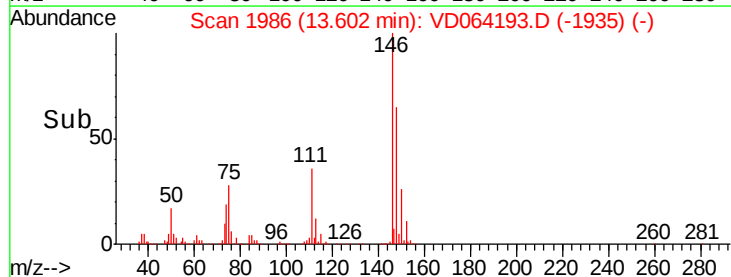
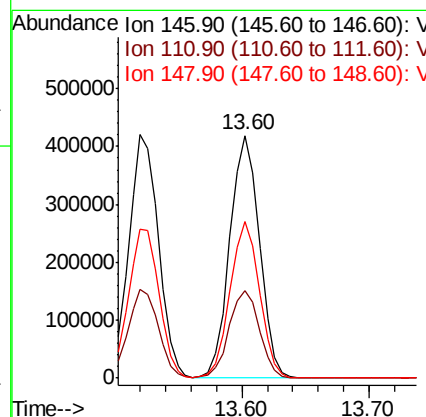
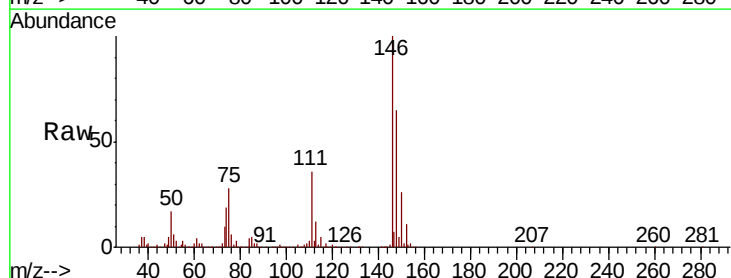
Instrument :
 MSVOA_D
 ClientSampleId :

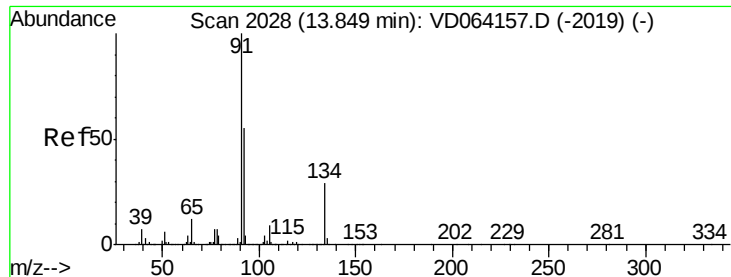
Tot Ion:146 Resp: 690034
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.9
 148 63.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 52.793 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion:146 Resp: 677423
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.4
 148 64.3 31.9 95.7

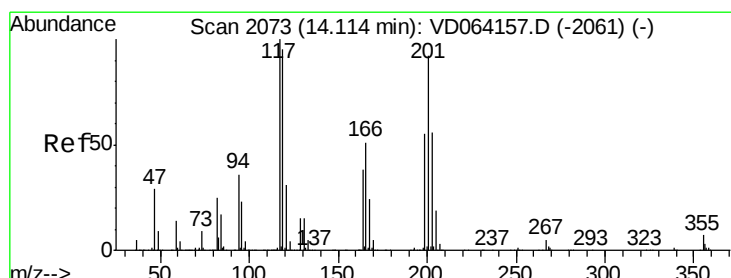
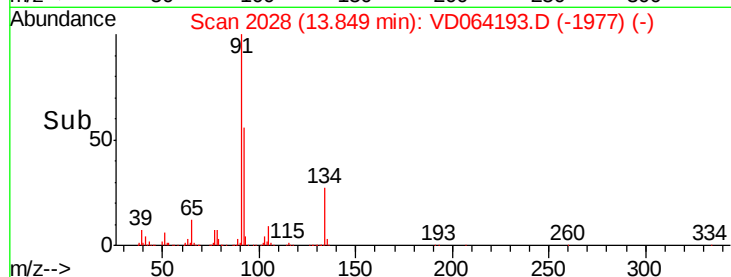
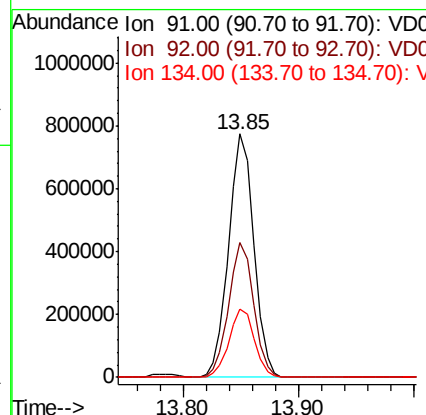
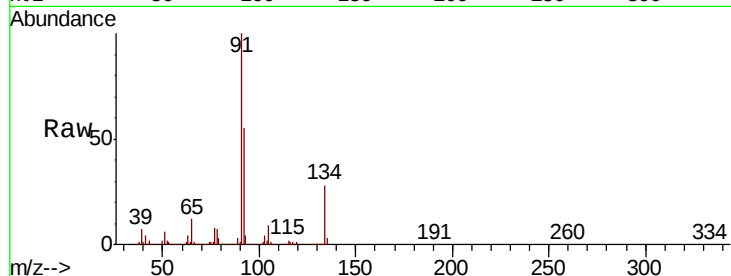




#89
n-Butylbenzene
Concen: 48.091 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

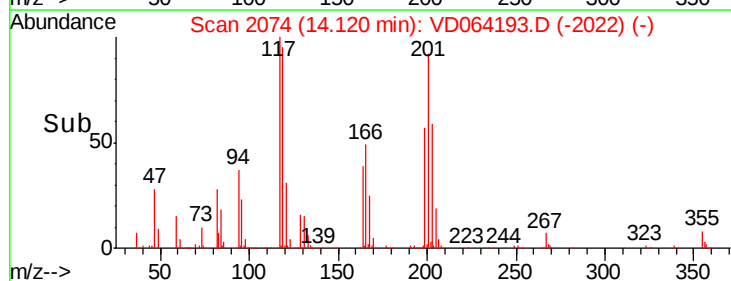
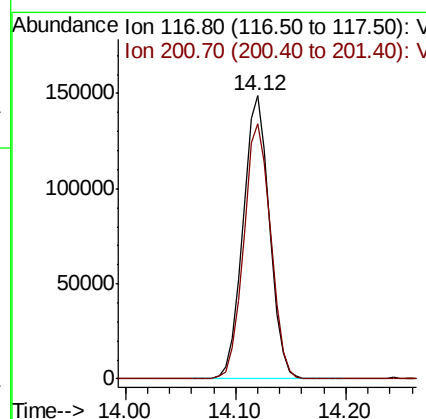
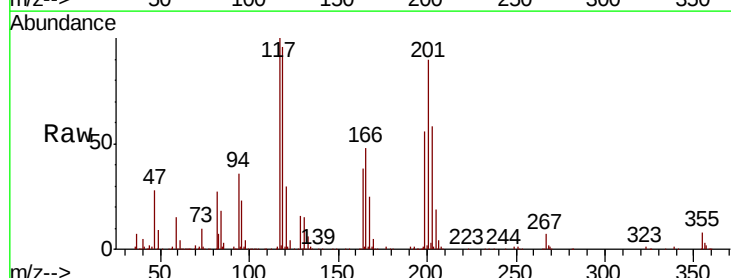
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1171856
Ion Ratio Lower Upper
91 100
92 54.9 27.3 81.8
134 28.4 14.1 42.4



#90
Hexachloroethane
Concen: 50.473 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 117 Resp: 251591
Ion Ratio Lower Upper
117 100
201 91.5 45.8 137.4

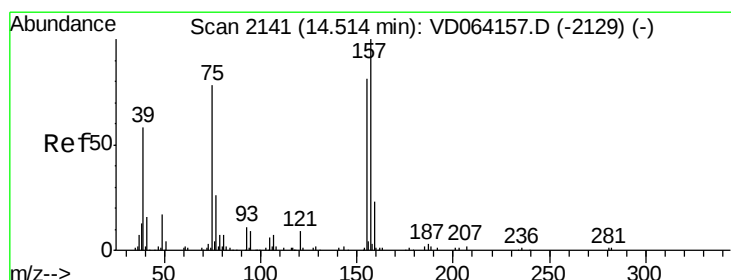
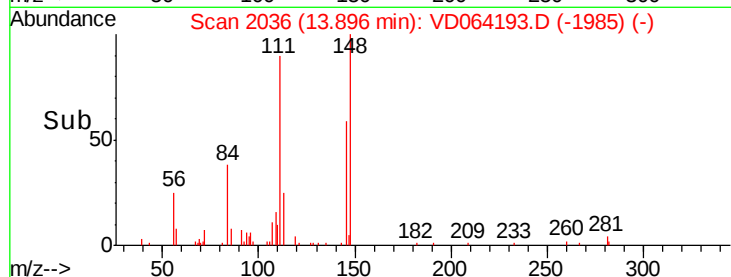
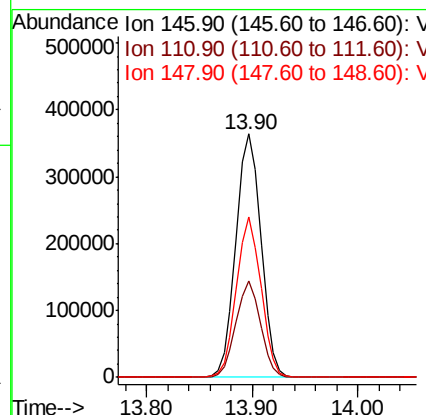
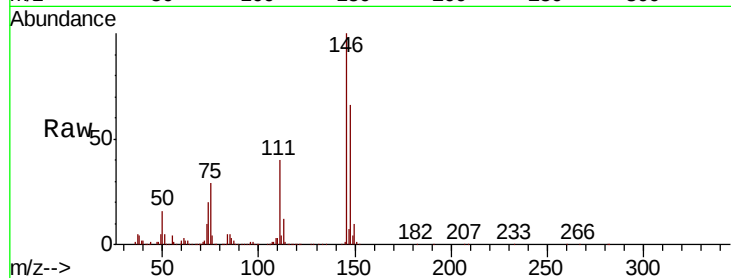




#91
 1,2-Dichlorobenzene
 Concen: 53.745 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

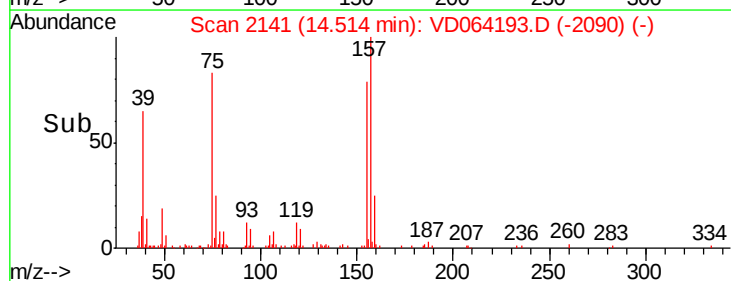
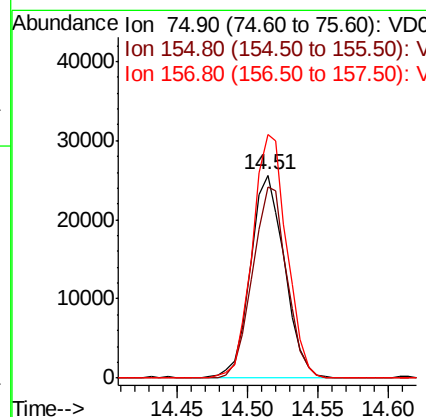
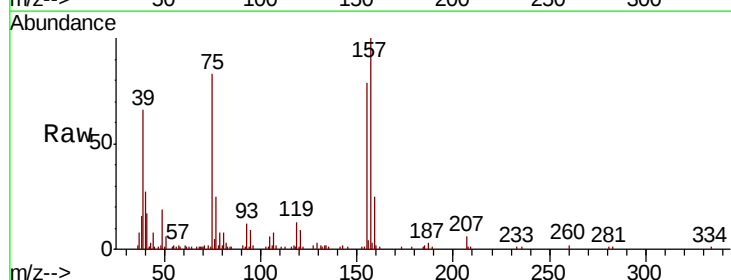
Instrument :
 MSVOA_D
 ClientSampled :

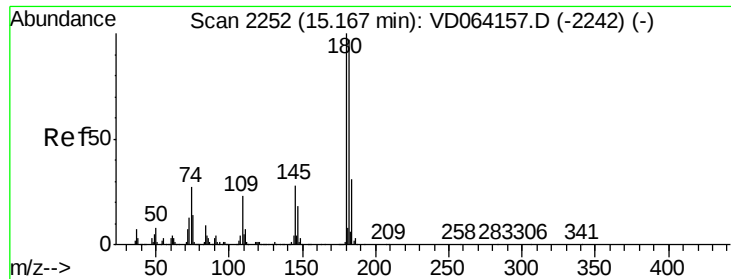
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	64.4	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.611 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.0	144.0
157	120.5	61.5	184.4

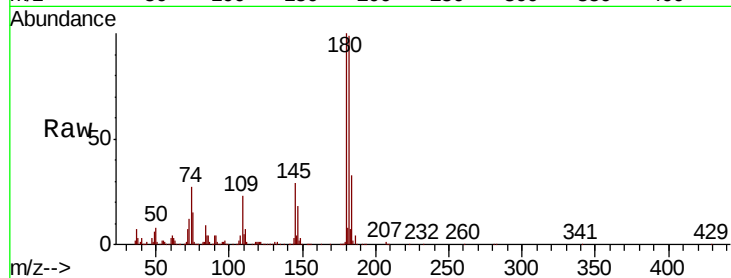




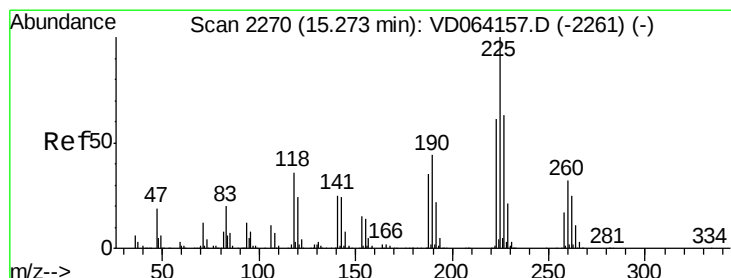
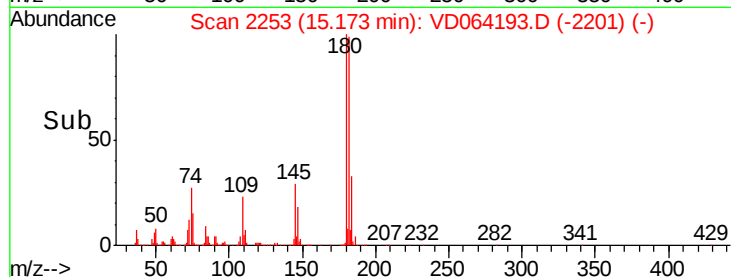
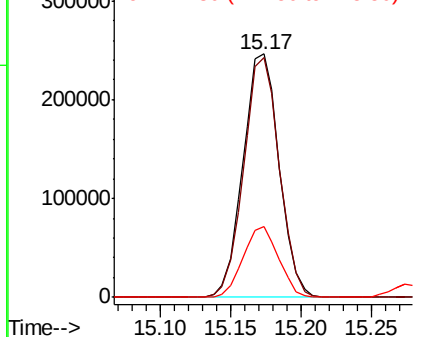
#93
 1,2,4-Trichlorobenzene
 Concen: 51.558 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 442588
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.5 142.5
 145 28.7 14.2 42.6

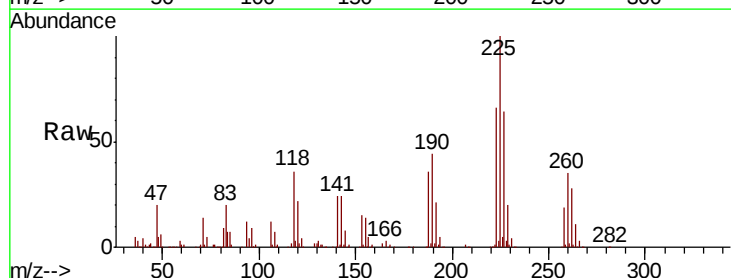


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

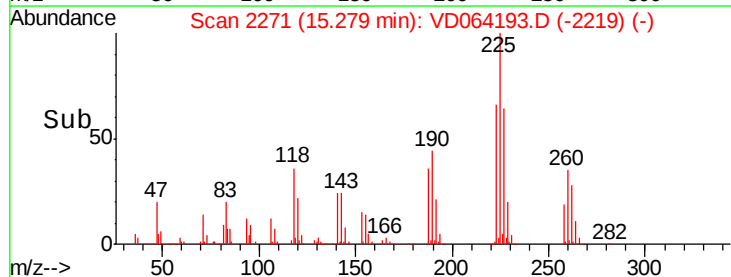
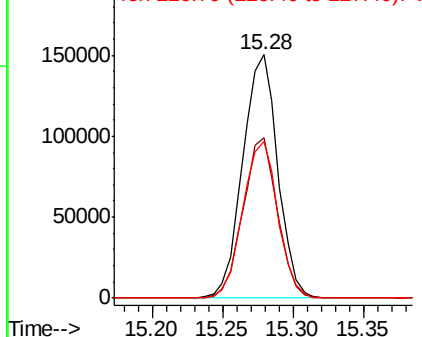


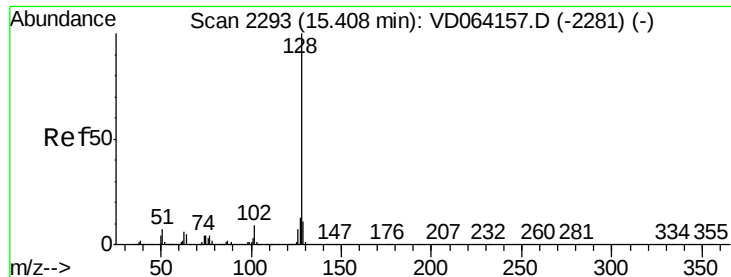
#94
 Hexachlorobutadiene
 Concen: 47.194 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion:225 Resp: 261670
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.1 93.3
 227 64.6 31.5 94.5



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: 66.514 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

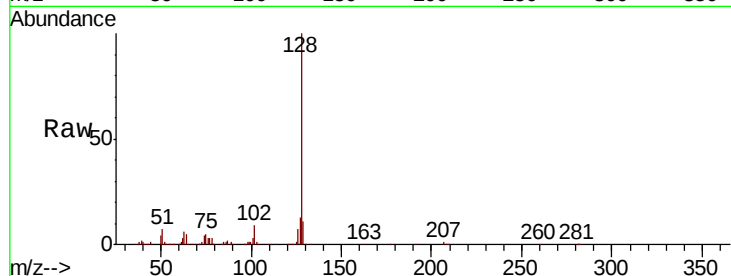
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 935960

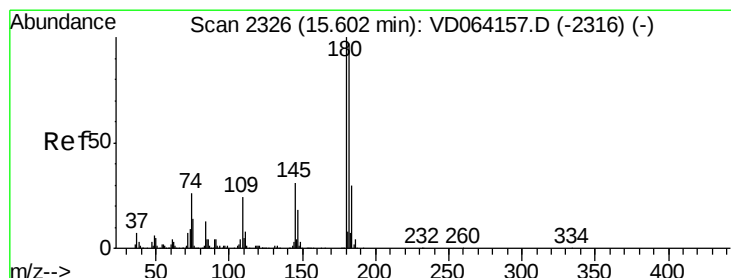
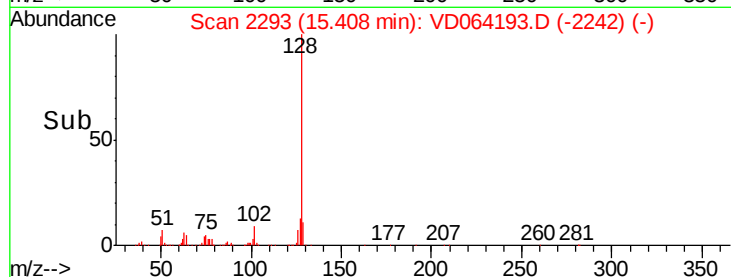
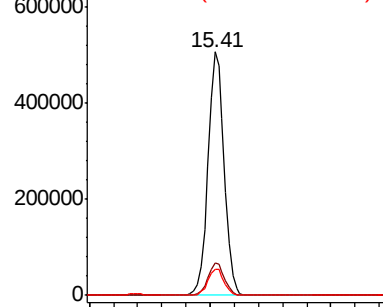
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.293 ug/l

RT: 15.60 min Scan# 2326

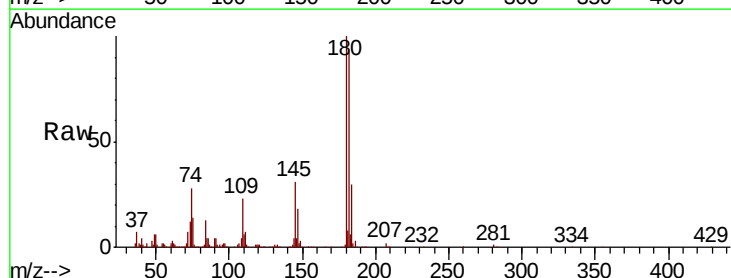
Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:180 Resp: 388873

Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.3	144.9
145	30.0	15.3	45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

