

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063980.D
 Acq On : 16 Oct 2019 11:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 16 12:32:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	195047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	301052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	88593	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	7.92	113	90613	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.34	98	390874	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	131787	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55587	40.187	ug/l	92
3) Chloromethane	2.21	50	187915	50.321	ug/l	97
4) Vinyl Chloride	2.35	62	218683	48.916	ug/l	93
5) Bromomethane	2.77	94	130381	45.364	ug/l	96
6) Chloroethane	2.93	64	138223	46.751	ug/l #	89
7) Trichlorofluoromethane	3.27	101	304362	51.492	ug/l	92
8) Diethyl Ether	3.70	74	41884	44.147	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	71228	43.534	ug/l	94
10) Methyl Iodide	4.30	142	94563	41.944	ug/l	100
11) Tert butyl alcohol	5.24	59	25470	191.181	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	68667	42.007	ug/l	90
13) Acrolein	3.92	56	32086	189.185	ug/l	94
14) Allyl chloride	4.71	41	123087	45.290	ug/l	99
15) Acrylonitrile	5.43	53	98381	235.204	ug/l #	89
16) Acetone	4.16	43	110267	223.034	ug/l	93
17) Carbon Disulfide	4.40	76	239793	40.355	ug/l	97
18) Methyl Acetate	4.73	43	46628	48.220	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	183689	43.395	ug/l	100
20) Methylene Chloride	4.97	84	100643	45.614	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	97994	48.156	ug/l	99
22) Diisopropyl ether	6.37	45	268548	48.383	ug/l	98
23) Vinyl Acetate	6.31	43	787953	238.637	ug/l	100
24) 1,1-Dichloroethane	6.27	63	162832	47.628	ug/l	97
25) 2-Butanone	7.22	43	140376	239.586	ug/l	95
26) 2,2-Dichloropropane	7.21	77	144787	46.816	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	113897	49.449	ug/l	94
28) Bromochloromethane	7.55	49	73545	56.336	ug/l	97
29) Tetrahydrofuran	7.57	42	74771	218.638	ug/l	98
30) Chloroform	7.71	83	177211	47.724	ug/l	94
31) Cyclohexane	7.98	56	153874	54.822	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	160568	50.409	ug/l	97
36) 1,1-Dichloropropene	8.11	75	140404	51.008	ug/l	98
37) Ethyl Acetate	7.30	43	49742	44.639	ug/l	97
38) Carbon Tetrachloride	8.10	117	145914	52.457	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177468	52.436	ug/l	94
40) Benzene	8.36	78	406404	51.521	ug/l	98
41) Methacrylonitrile	7.54	41	35896	56.247	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	110862	48.586	ug/l	100
43) Isopropyl Acetate	8.46	43	103635	44.894	ug/l	99
44) Trichloroethene	9.11	130	116513	51.223	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96151	49.800	ug/l	91
46) Dibromomethane	9.48	93	52881	48.092	ug/l	95
47) Bromodichloromethane	9.67	83	142433	50.312	ug/l	100
48) Methyl methacrylate	9.46	41	50482	45.642	ug/l	99
49) 1,4-Dioxane	9.47	88	14067	937.227	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	277381	231.692	ug/l	98
52) Toluene	10.40	92	283795	52.409	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	137492	49.770	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	160234	50.388	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	80406	51.790	ug/l	95
56) Ethyl methacrylate	10.66	69	95032	48.336	ug/l	96
57) 1,3-Dichloropropane	10.95	76	133048	50.087	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	220118	260.464	ug/l	99
59) 2-Hexanone	10.99	43	210121	242.629	ug/l	98
60) Dibromochloromethane	11.14	129	104547	51.723	ug/l	97
61) 1,2-Dibromoethane	11.25	107	78721	52.301	ug/l	99
64) Tetrachloroethene	10.88	164	104946	50.168	ug/l	94
65) Chlorobenzene	11.67	112	315555	51.278	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	116867	51.539	ug/l	94
67) Ethyl Benzene	11.75	91	575423	51.856	ug/l	99
68) m/p-Xylenes	11.86	106	447287	104.433	ug/l	99
69) o-Xylene	12.18	106	214462	52.293	ug/l	94
70) Styrene	12.20	104	365506	52.646	ug/l	99
71) Bromoform	12.36	173	61875	50.846	ug/l #	99
73) Isopropylbenzene	12.48	105	578125	50.878	ug/l	99
74) N-amyl acetate	12.29	43	106199	43.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	92122	46.590	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	115063	101.636	ug/l #	100
77) Bromobenzene	12.76	156	141983	50.153	ug/l	94
78) n-propylbenzene	12.83	91	689881	51.724	ug/l	99
79) 2-Chlorotoluene	12.91	91	361257	49.121	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	484098	51.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29488	46.093	ug/l	95
82) 4-Chlorotoluene	13.01	91	387335	49.648	ug/l	100
83) tert-Butylbenzene	13.23	119	423947	50.249	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	494853	50.634	ug/l	100
85) sec-Butylbenzene	13.40	105	606548	53.235	ug/l	99
86) p-Isopropyltoluene	13.52	119	576233	53.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	284742	50.904	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	284593	51.571	ug/l	97
89) n-Butylbenzene	13.85	91	525436	52.357	ug/l	99
90) Hexachloroethane	14.11	117	104595	53.940	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	247433	51.328	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14875	48.337	ug/l	92

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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

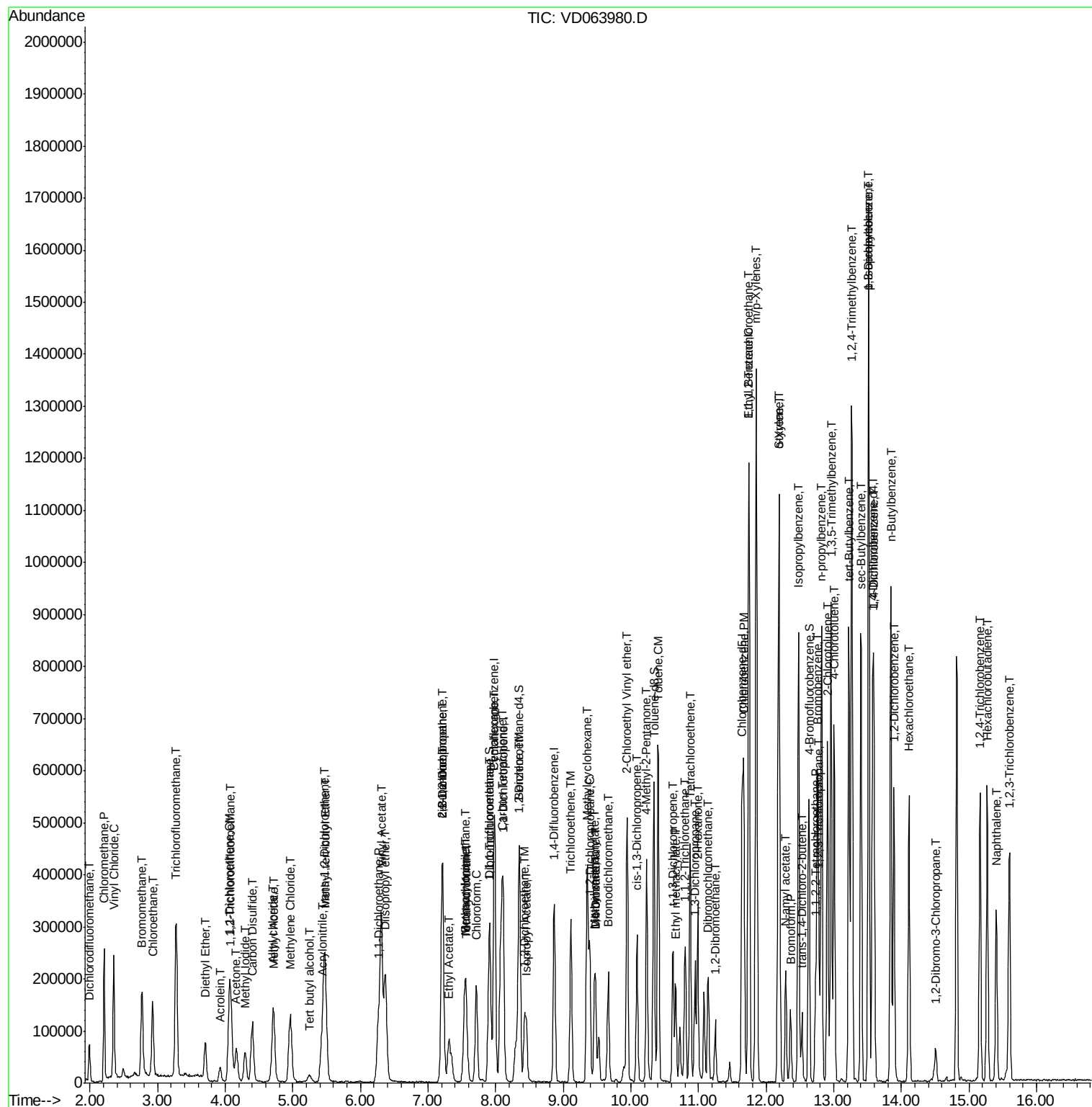
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	186920	50.252	ug/l	99
94) Hexachlorobutadiene	15.27	225	105193	51.249	ug/l	94
95) Naphthalene	15.41	128	308091	49.281	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	159626	49.739	ug/l	99

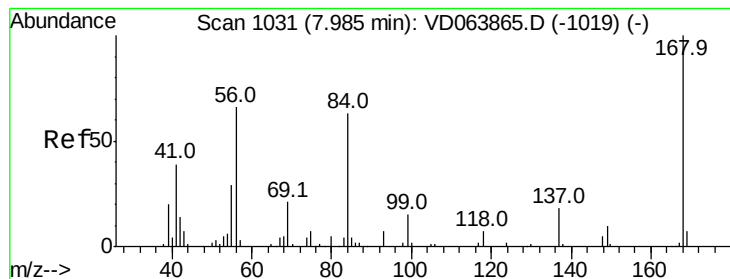
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

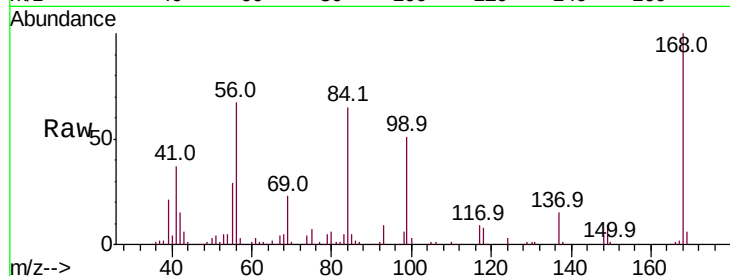
ClientSampleId :

Tot Ion:168 Resp: 195047

Ion Ratio Lower Upper

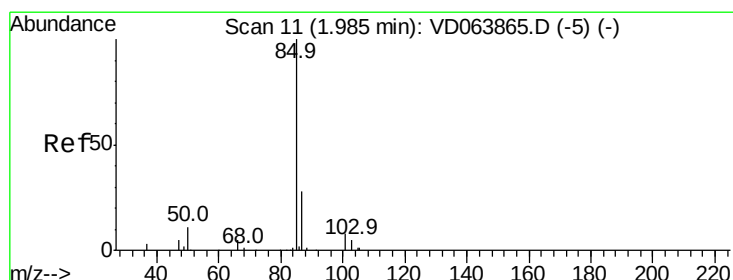
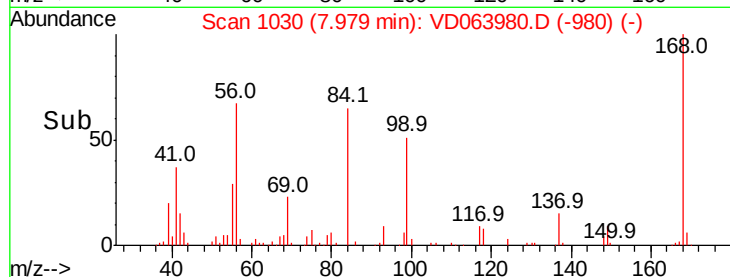
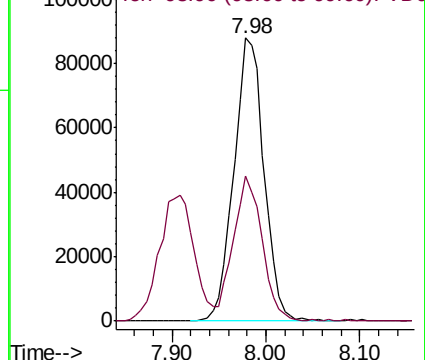
168 100

99 51.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.187 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063980.D

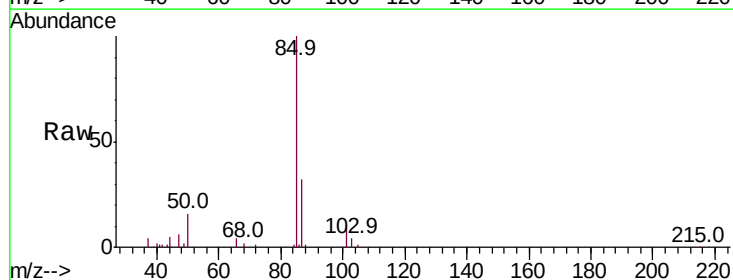
Acq: 16 Oct 2019 11:30

Tgt Ion: 85 Resp: 55587

Ion Ratio Lower Upper

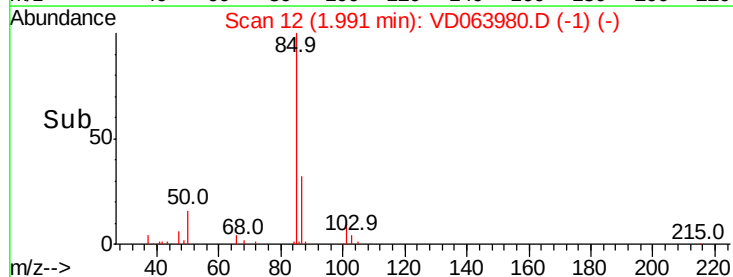
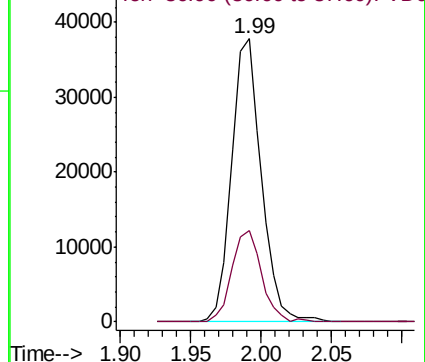
85 100

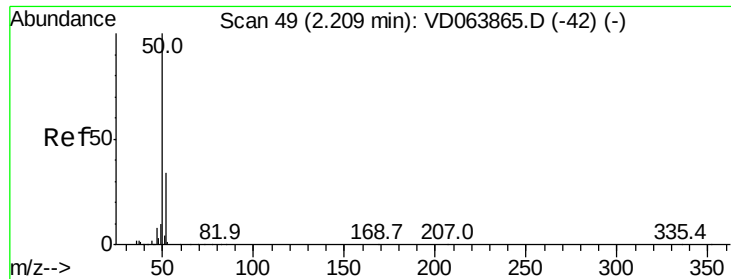
87 32.4 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.321 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

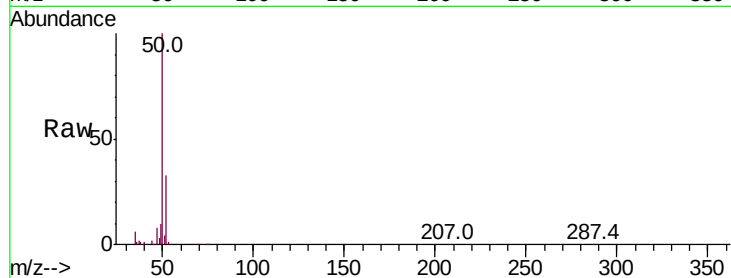
ClientSampleId :

Tot Ion: 50 Resp: 187915

Ion Ratio Lower Upper

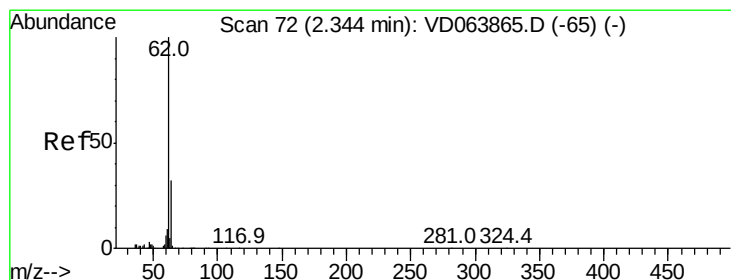
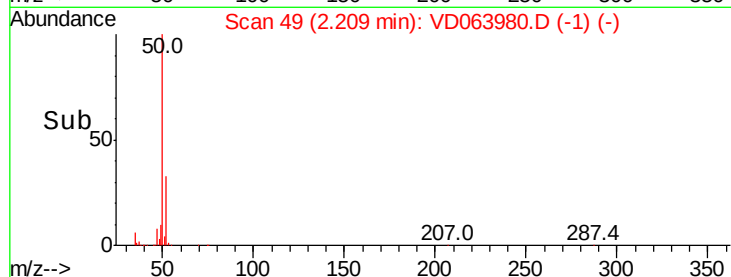
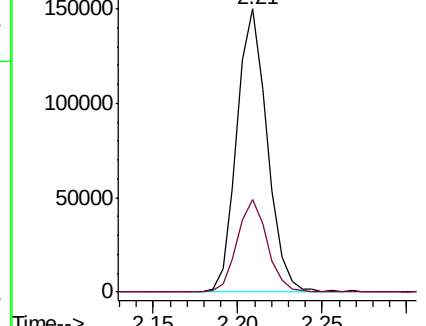
50 100

52 32.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.916 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063980.D

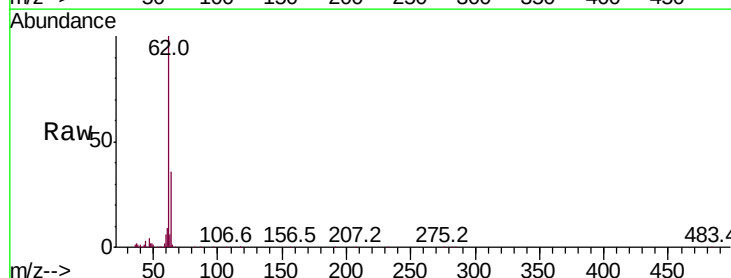
Acq: 16 Oct 2019 11:30

Tgt Ion: 62 Resp: 218683

Ion Ratio Lower Upper

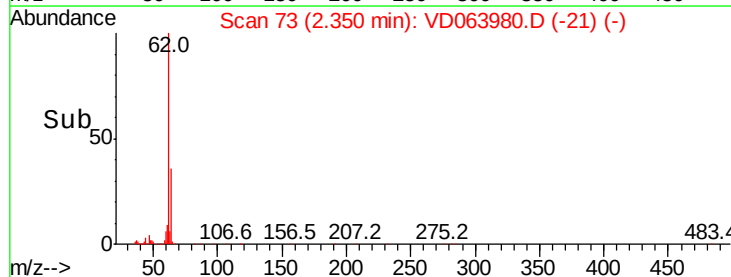
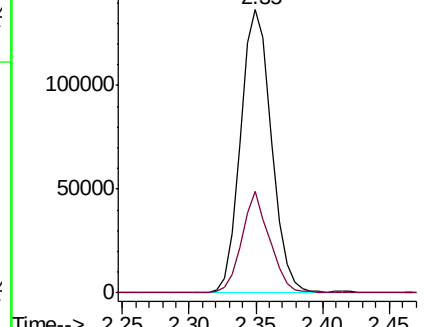
62 100

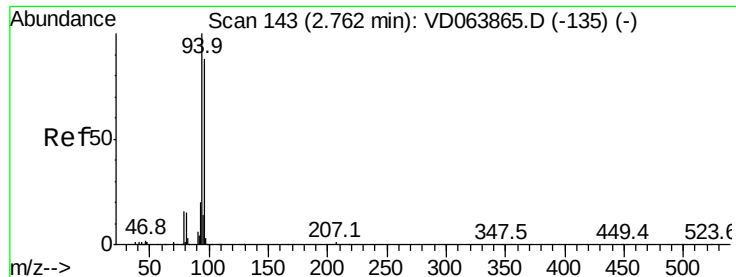
64 35.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.364 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

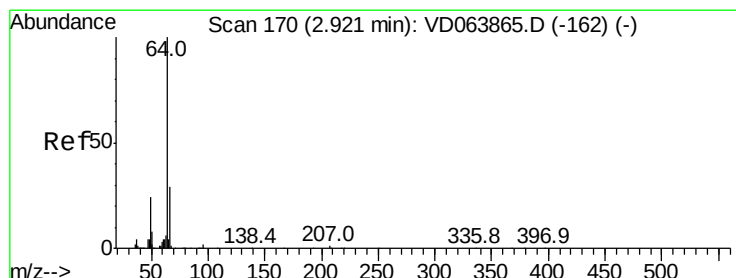
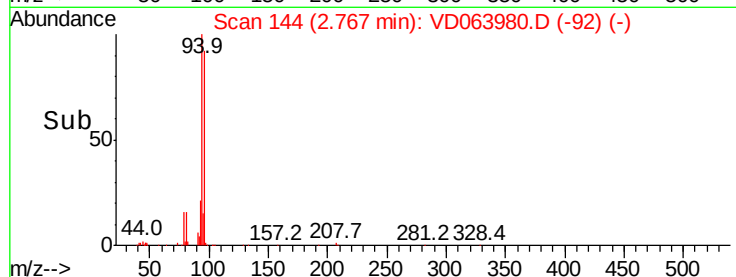
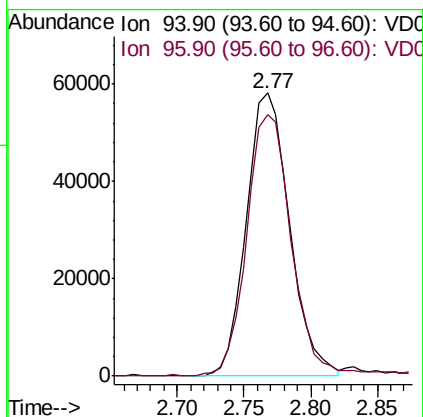
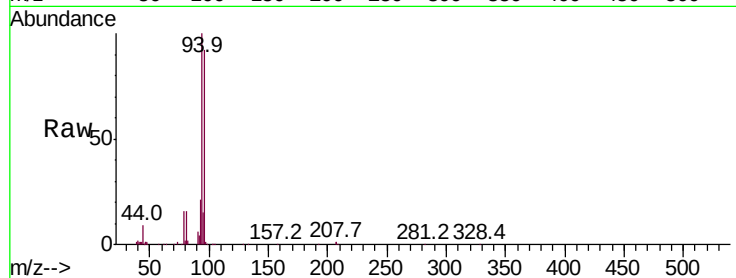
ClientSampleId :

Tot Ion: 94 Resp: 130381

Ion Ratio Lower Upper

94 100

96 92.4 70.8 106.2



#6

Chloroethane

Concen: 46.751 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063980.D

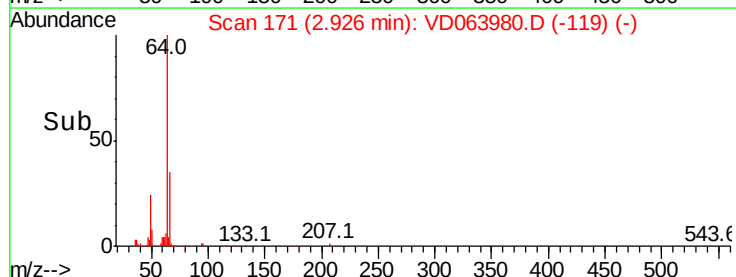
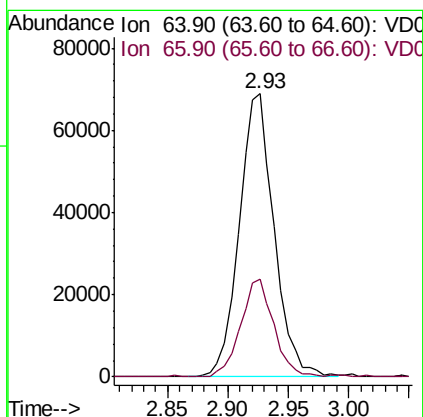
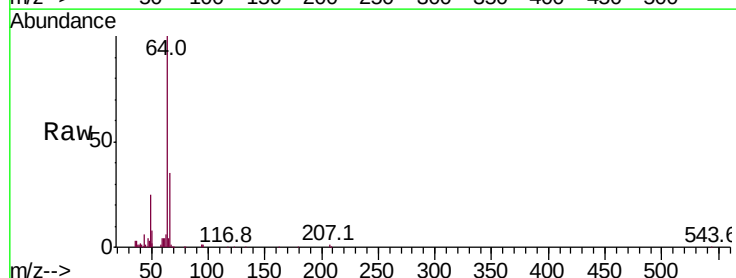
Acq: 16 Oct 2019 11:30

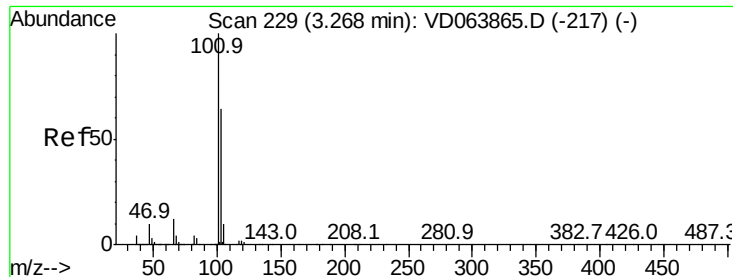
Tgt Ion: 64 Resp: 138223

Ion Ratio Lower Upper

64 100

66 34.6 23.0 34.4#



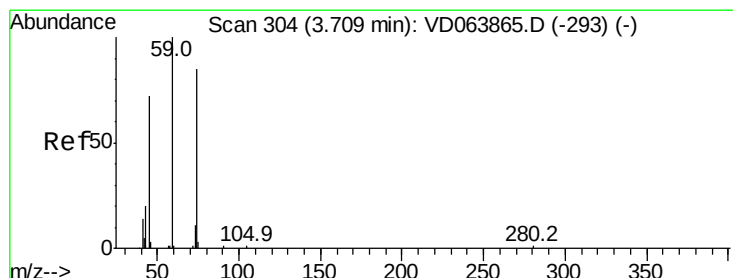
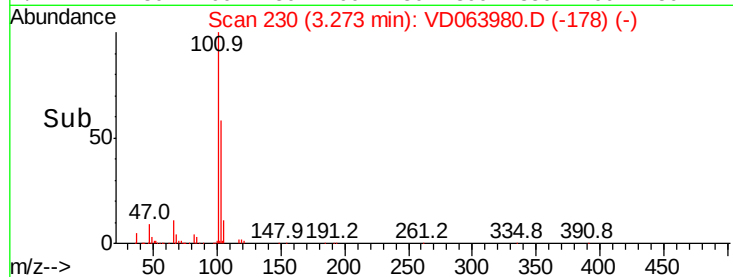
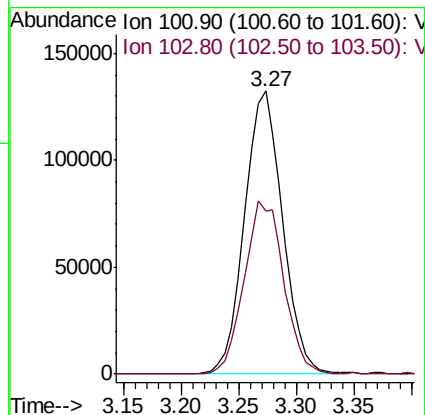
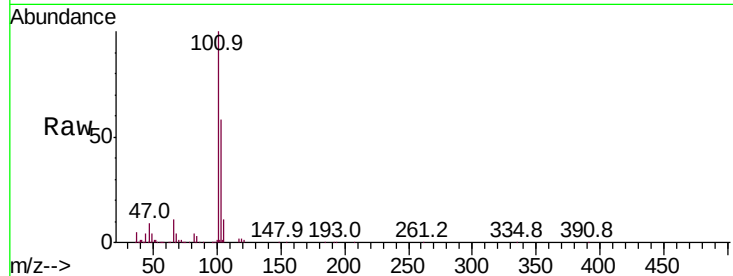


#7

Trichlorofluoromethane
 Concen: 51.492 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :

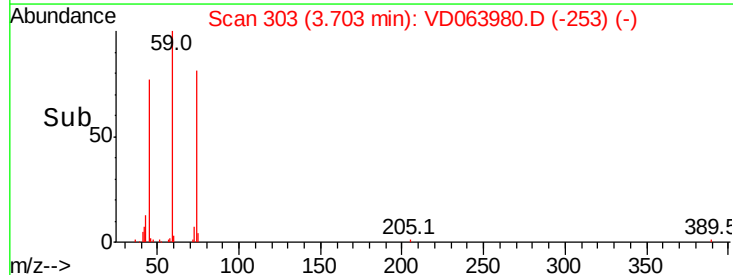
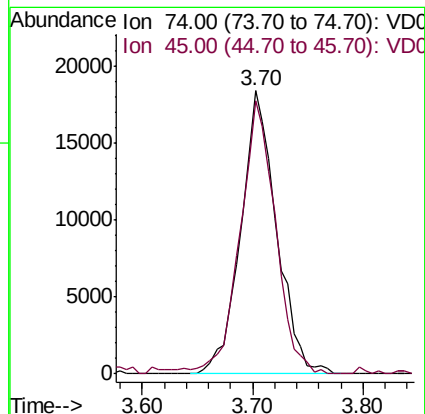
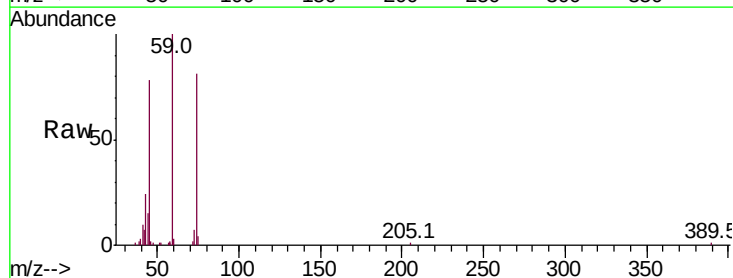
Tot Ion:101 Resp: 304362
 Ion Ratio Lower Upper
 101 100
 103 57.8 51.1 76.7

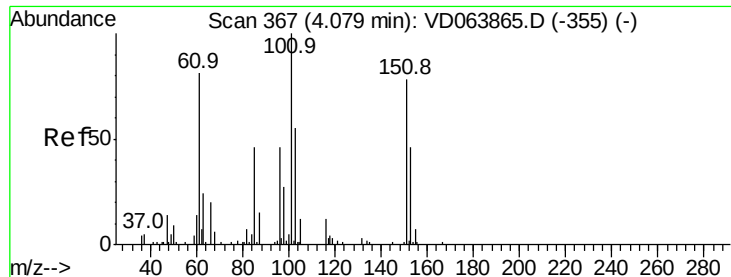


#8

Diethyl Ether
 Concen: 44.147 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion: 74 Resp: 41884
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.534 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

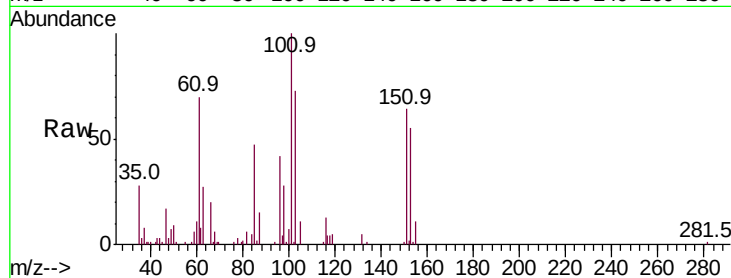
Tot Ion:101 Resp: 71228

Ion Ratio Lower Upper

101 100

85 49.7 37.5 56.3

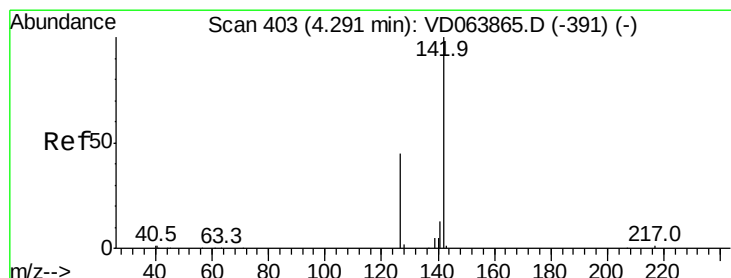
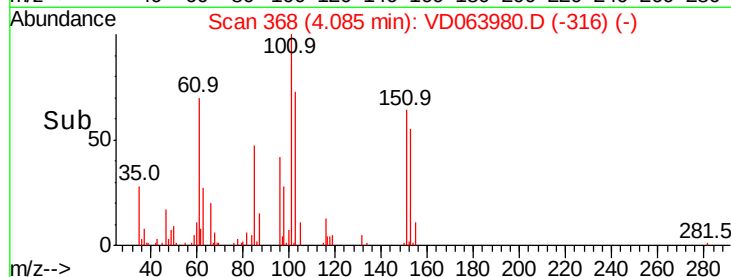
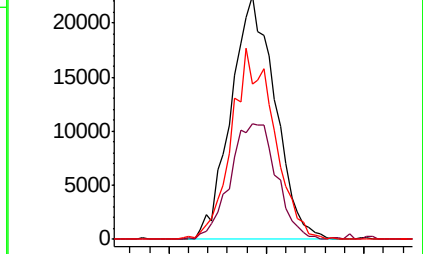
151 75.3 65.5 98.3



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: 41.944 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

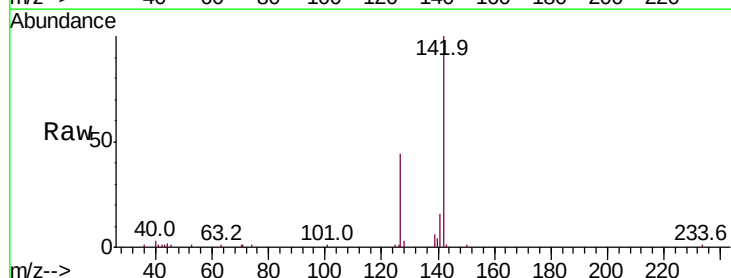
Tgt Ion:142 Resp: 94563

Ion Ratio Lower Upper

142 100

127 44.5 35.3 52.9

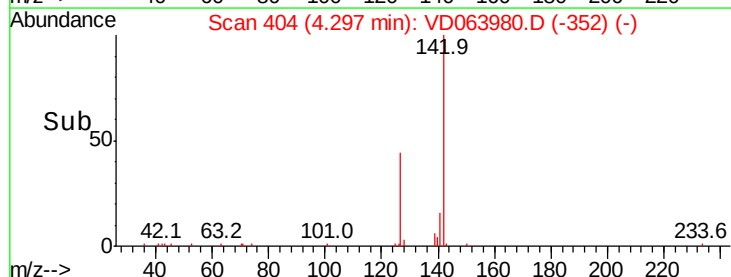
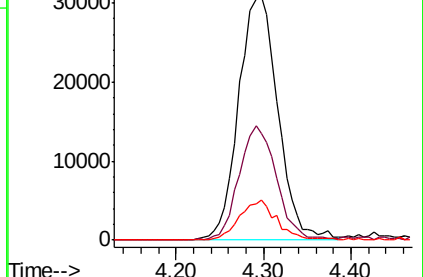
141 15.2 12.2 18.2

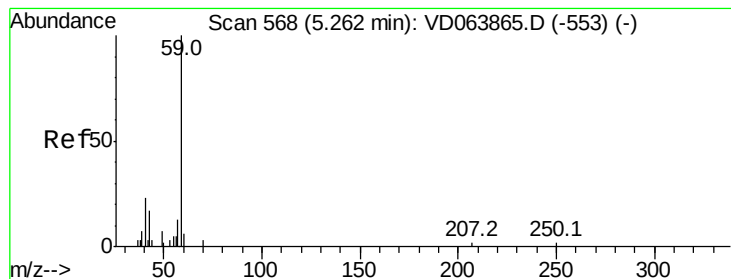


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



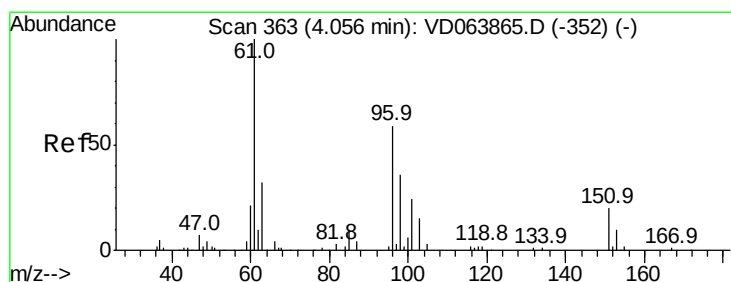
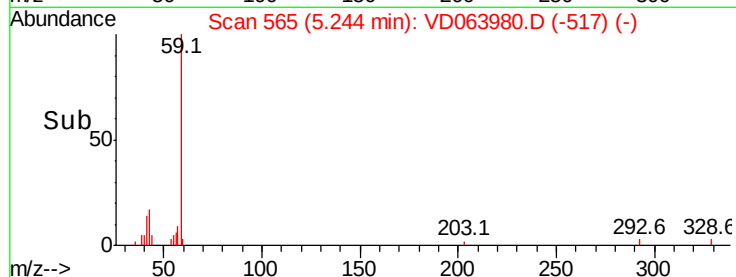
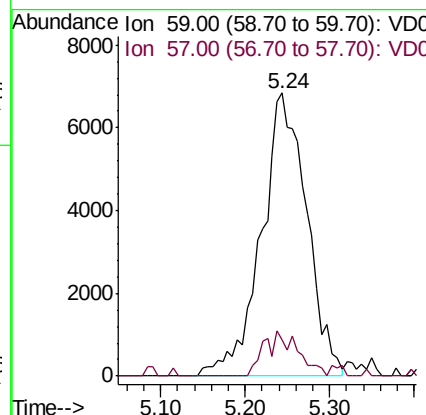
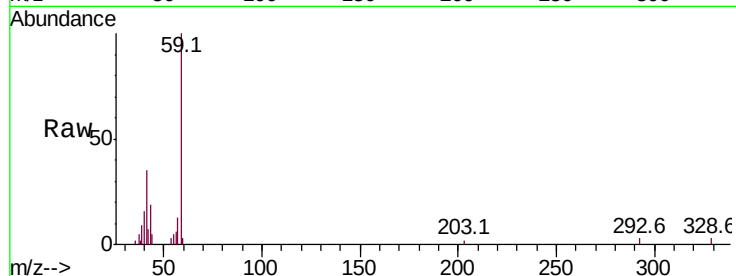


#11

Tert butyl alcohol
 Concen: 191.181 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :

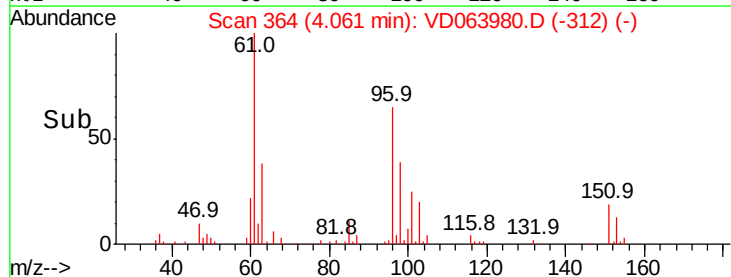
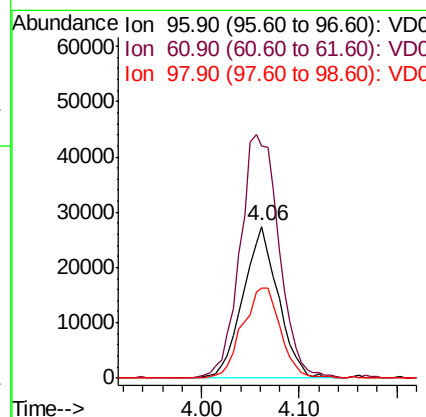
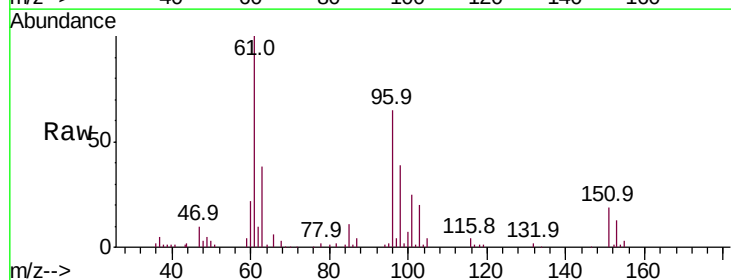
Tot Ion: 59 Resp: 25470
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.8 13.2#

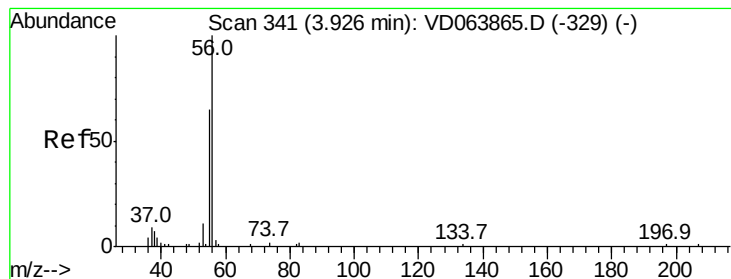


#12

1,1-Dichloroethene
 Concen: 42.007 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion: 96 Resp: 68667
 Ion Ratio Lower Upper
 96 100
 61 153.0 135.6 203.4
 98 59.5 49.2 73.8





#13

Acrolein

Concen: 189.185 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

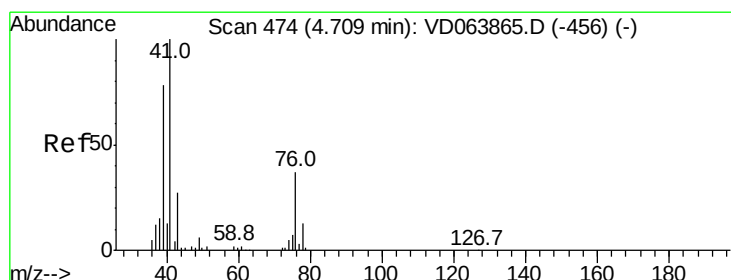
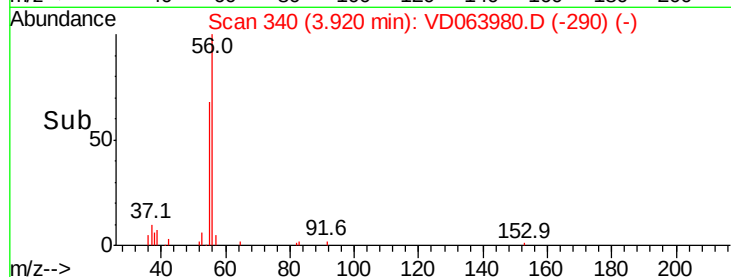
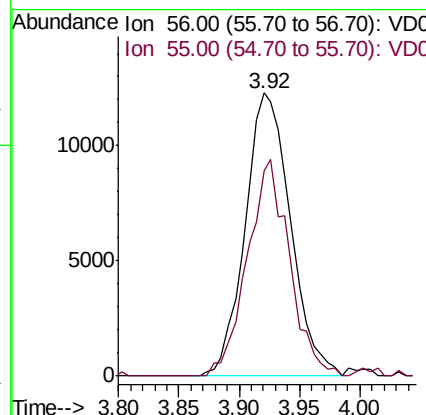
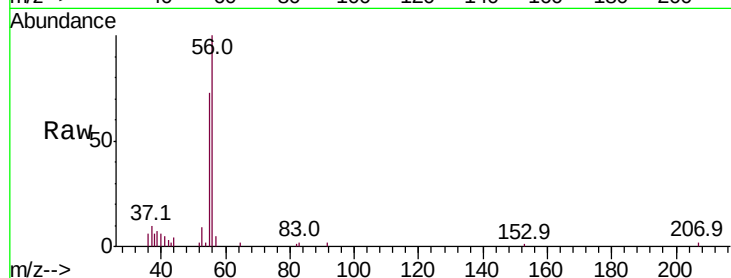
ClientSampleId :

Tot Ion: 56 Resp: 32086

Ion Ratio Lower Upper

56 100

55 71.0 53.0 79.6



#14

Allyl chloride

Concen: 45.290 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

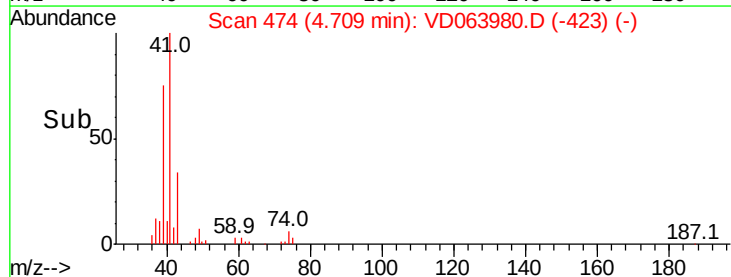
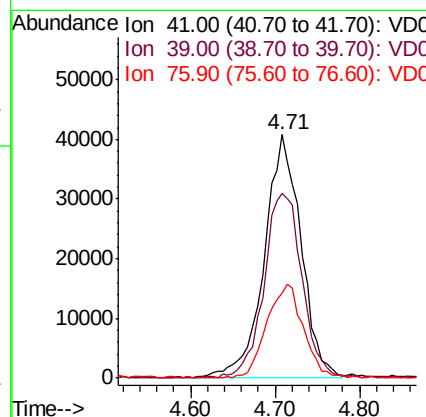
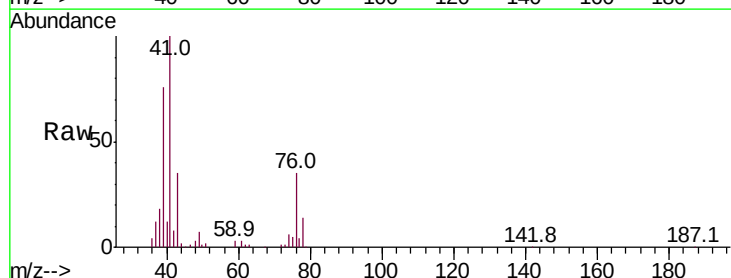
Tgt Ion: 41 Resp: 123087

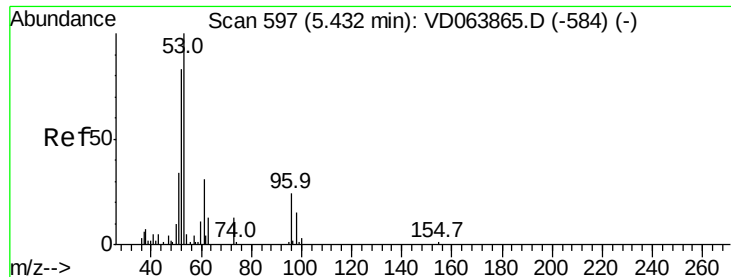
Ion Ratio Lower Upper

41 100

39 78.6 61.8 92.6

76 38.5 31.3 46.9





#15

Acrylonitrile

Concen: 235.204 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

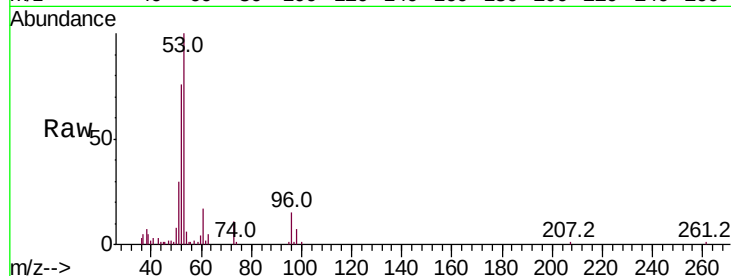
Tot Ion: 53 Resp: 98381

Ion Ratio Lower Upper

53 100

52 83.3 67.3 100.9

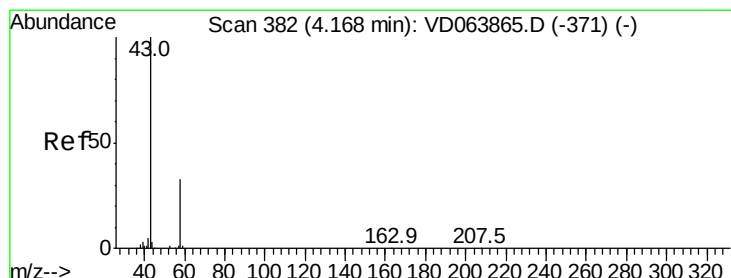
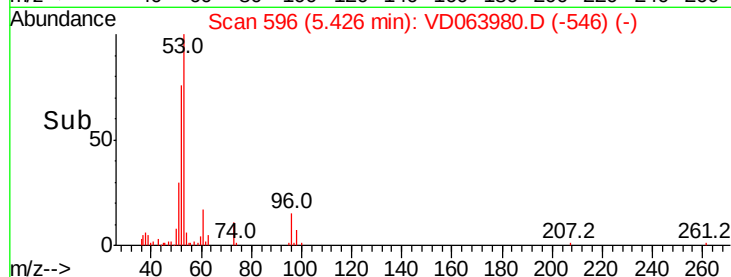
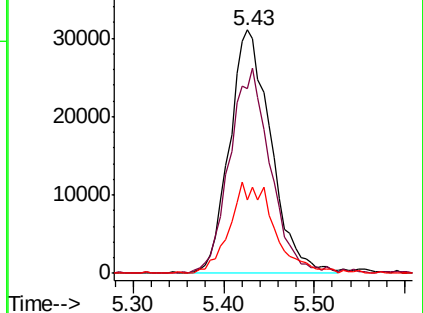
51 17.6 30.5 45.7#



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: 223.034 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063980.D

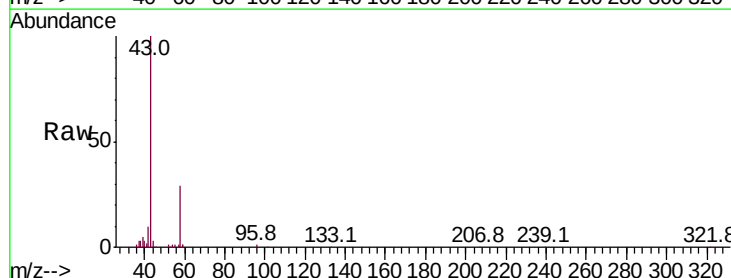
Acq: 16 Oct 2019 11:30

Tgt Ion: 43 Resp: 110267

Ion Ratio Lower Upper

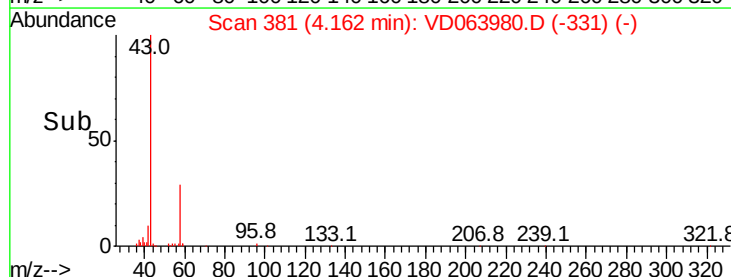
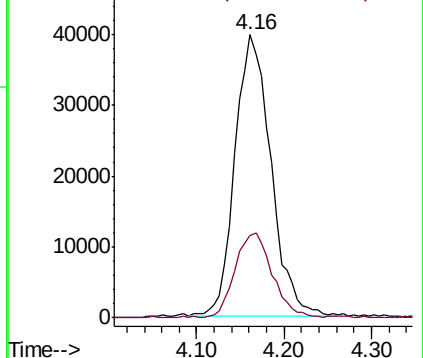
43 100

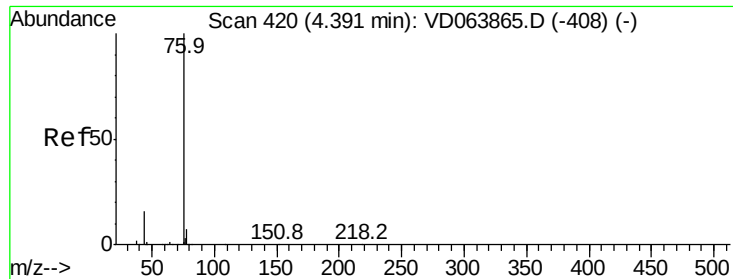
58 28.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 40.355 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

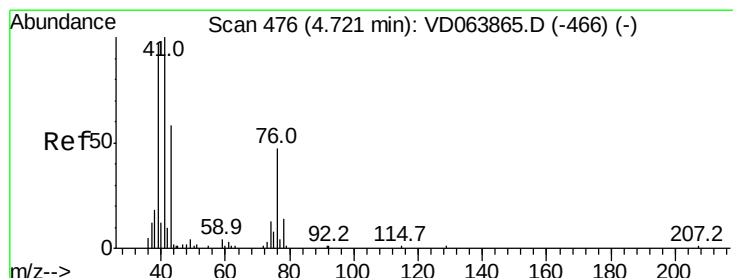
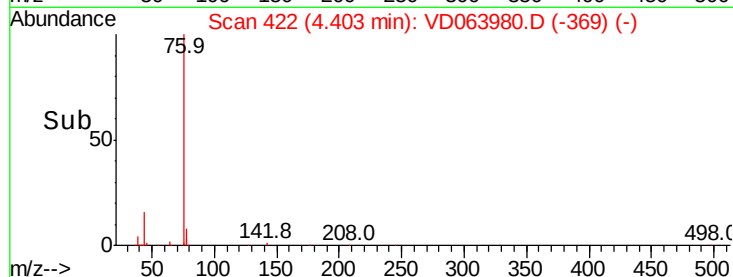
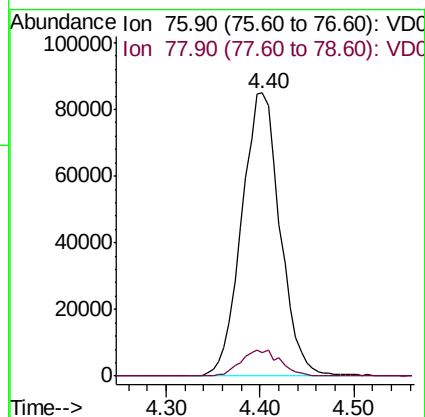
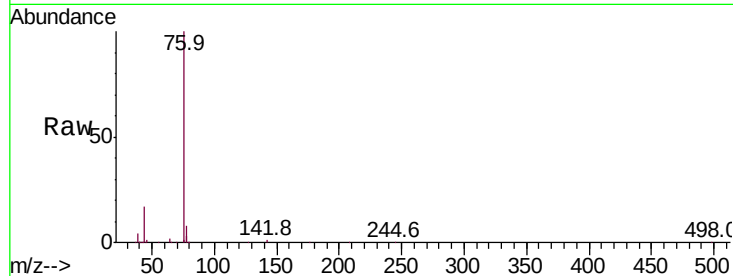
ClientSampleId :

Tot Ion: 76 Resp: 239793

Ion Ratio Lower Upper

76 100

78 8.3 5.8 8.8



#18

Methyl Acetate

Concen: 48.220 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063980.D

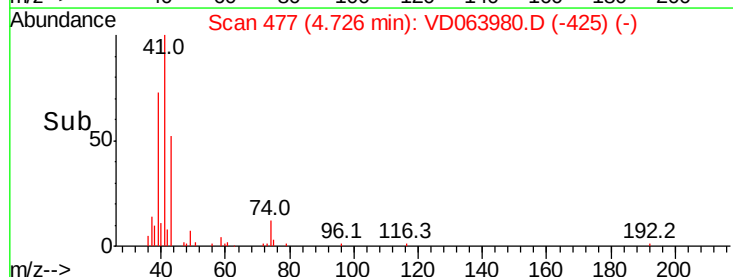
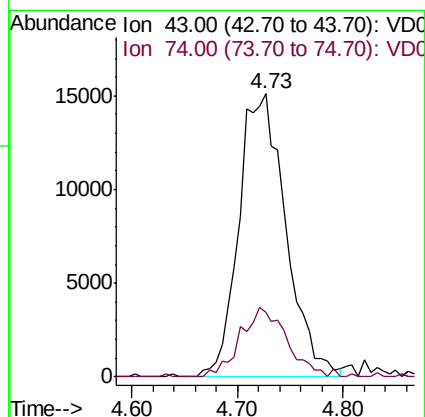
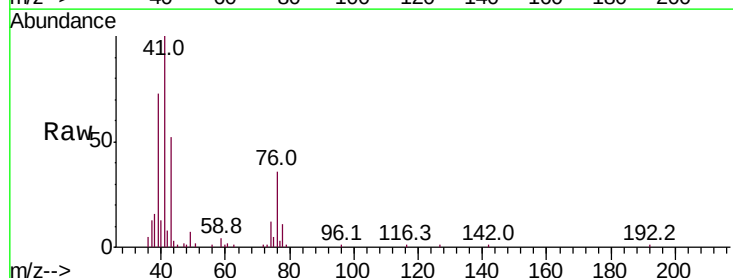
Acq: 16 Oct 2019 11:30

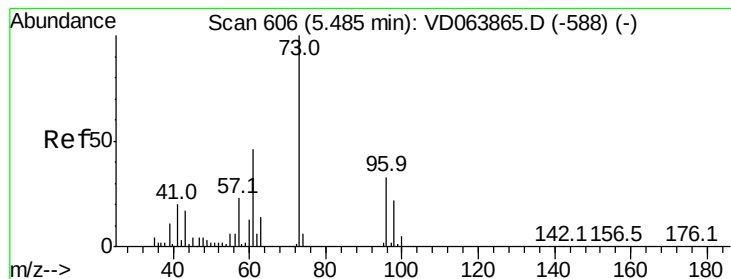
Tgt Ion: 43 Resp: 46628

Ion Ratio Lower Upper

43 100

74 24.1 20.8 31.2



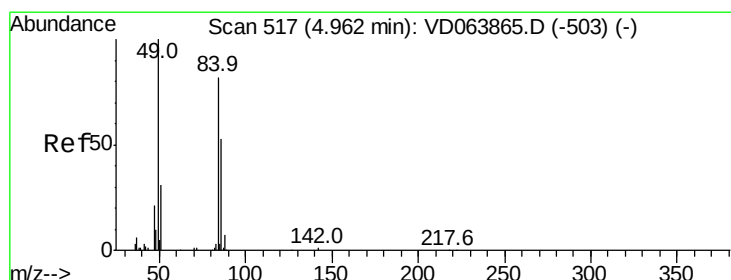
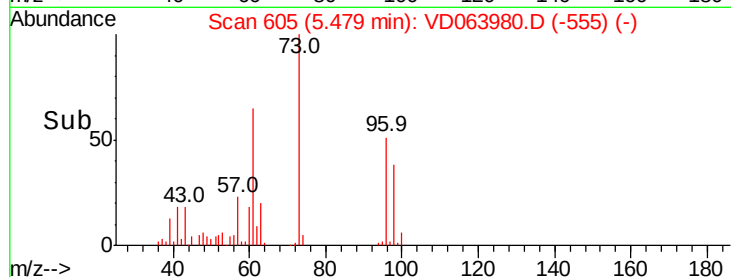
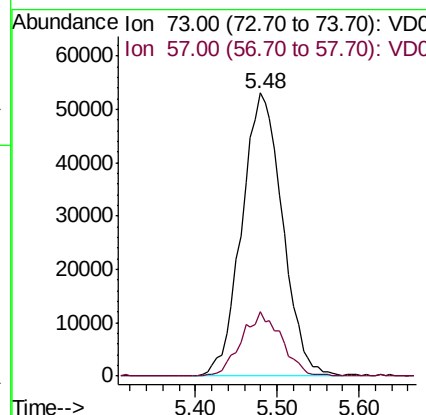
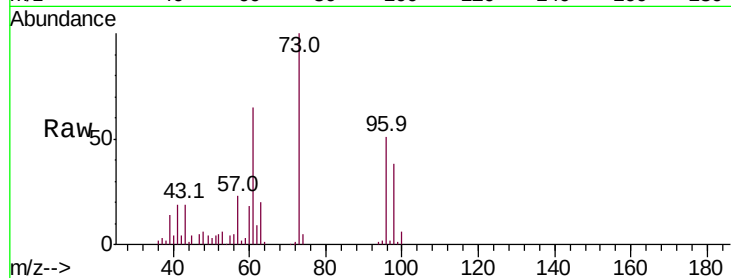


#19

Methyl tert-butyl Ether
 Concen: 43.395 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Instrument :
 MSVOA_D
 ClientSampled :

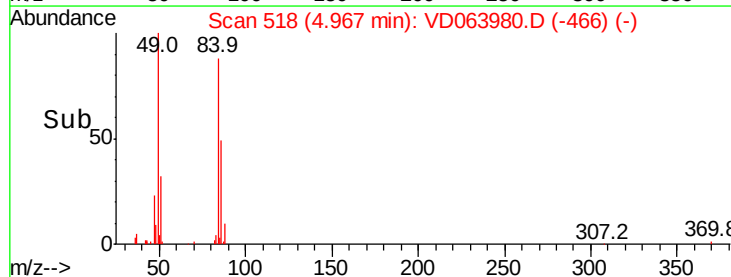
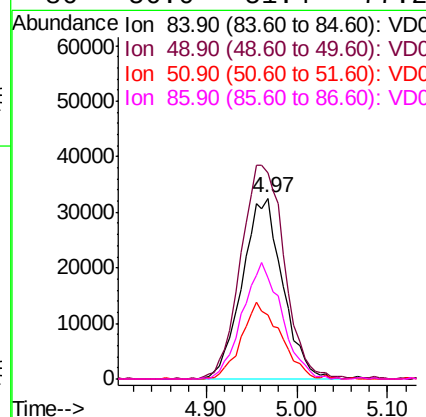
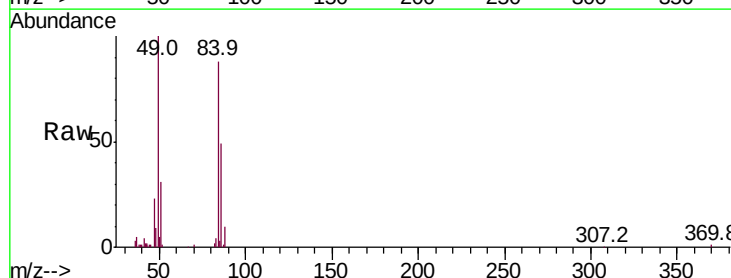
Tot Ion: 73 Resp: 183689
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.1 27.1

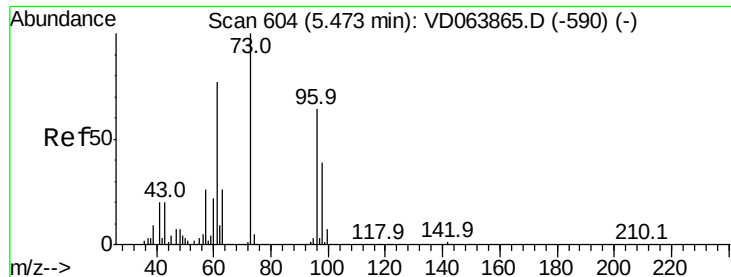


#20

Methylene Chloride
 Concen: 45.614 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion: 84 Resp: 100643
 Ion Ratio Lower Upper
 84 100
 49 113.7 97.3 145.9
 51 35.8 30.1 45.1
 86 56.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.156 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

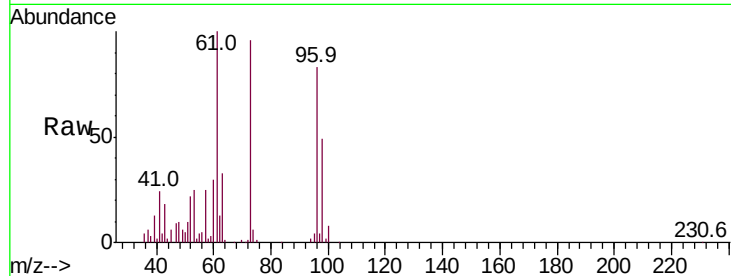
Tot Ion: 96 Resp: 97994

Ion Ratio Lower Upper

96 100

61 120.1 96.6 145.0

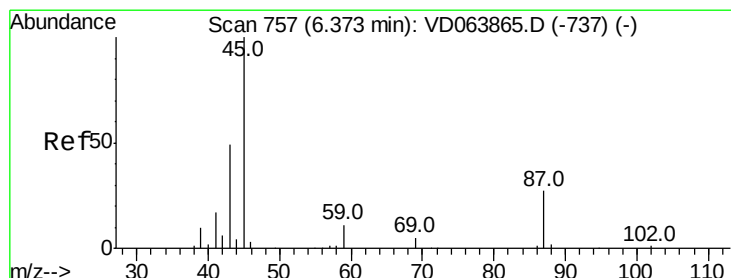
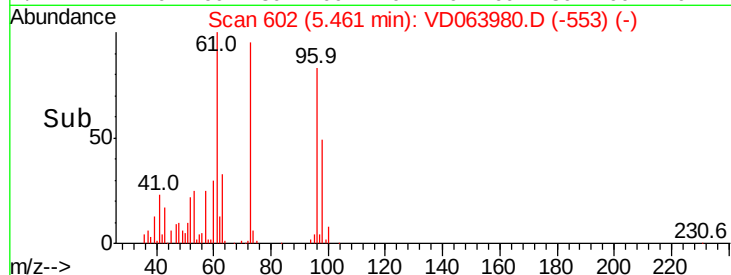
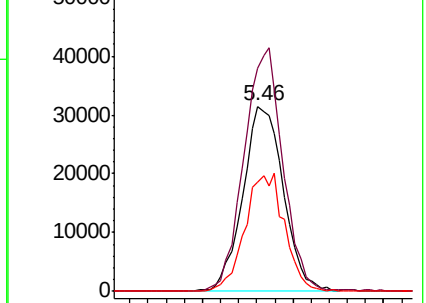
98 59.2 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 48.383 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Tgt Ion: 45 Resp: 268548

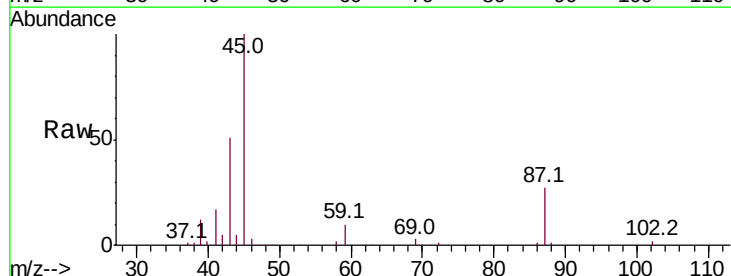
Ion Ratio Lower Upper

45 100

43 50.5 41.2 61.8

87 26.9 22.2 33.4

59 9.3 9.2 13.8

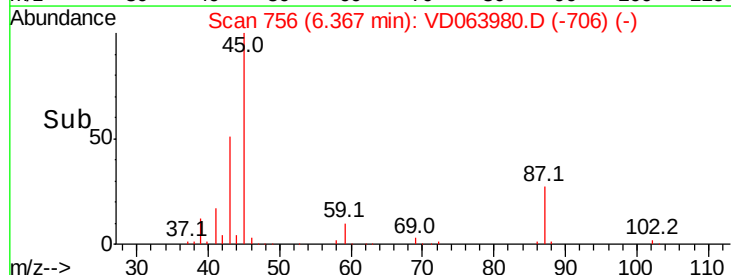
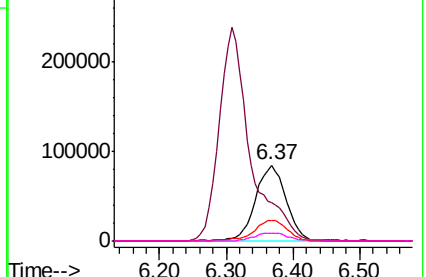


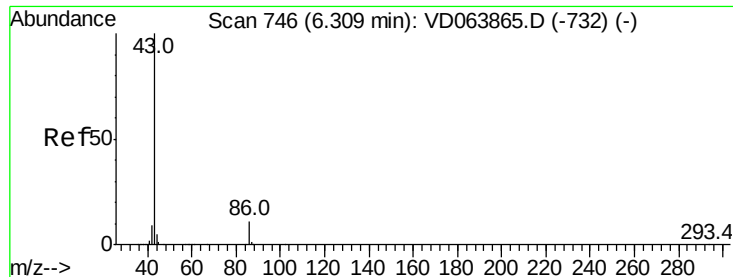
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 238.637 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

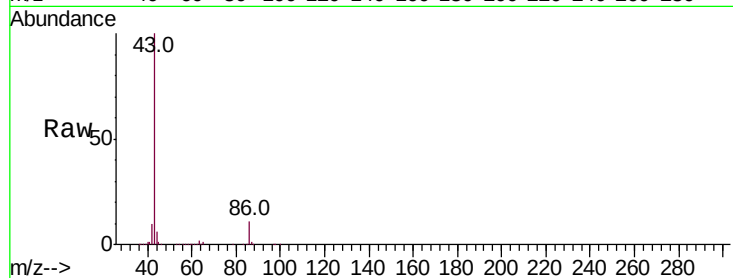
ClientSampled :

Tot Ion: 43 Resp: 787953

Ion Ratio Lower Upper

43 100

86 10.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

100000

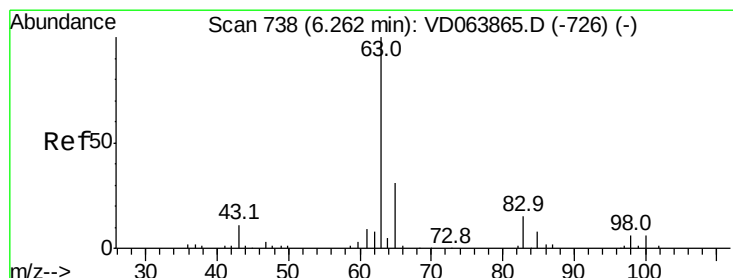
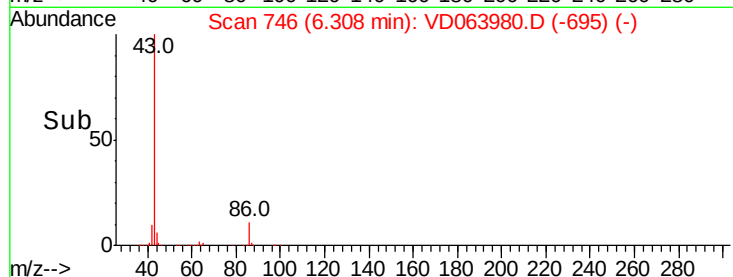
50000

0

6.31

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 47.628 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

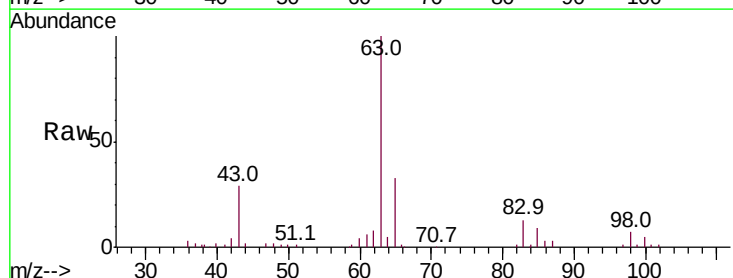
Tgt Ion: 63 Resp: 162832

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

100 4.6 3.0 9.2



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

60000

40000

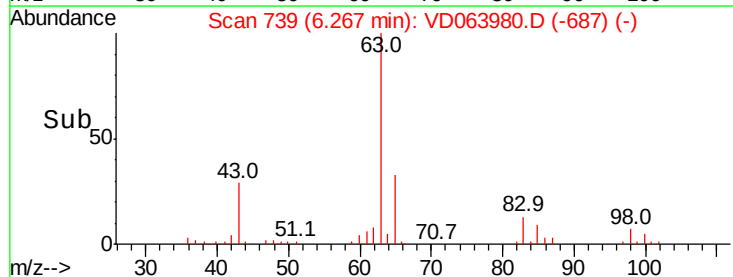
20000

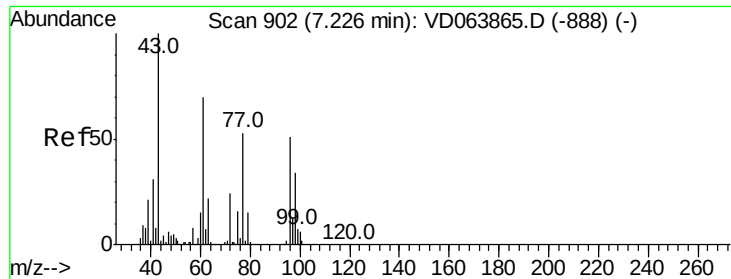
0

6.27

6.10 6.20 6.30 6.40

Time-->

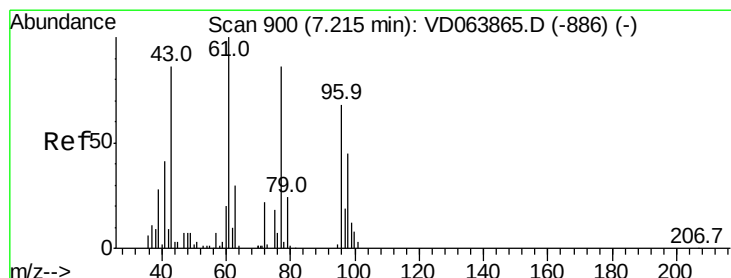
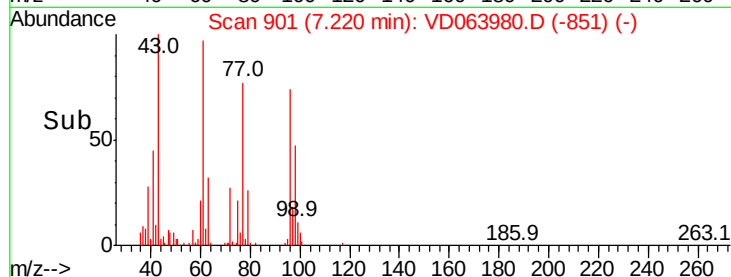
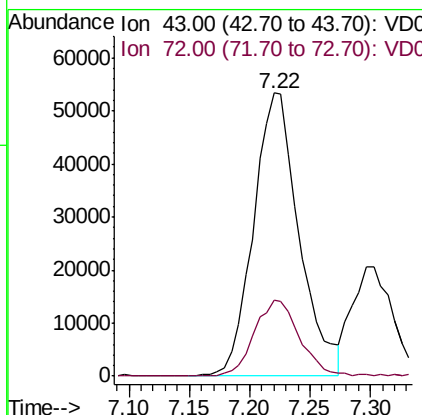
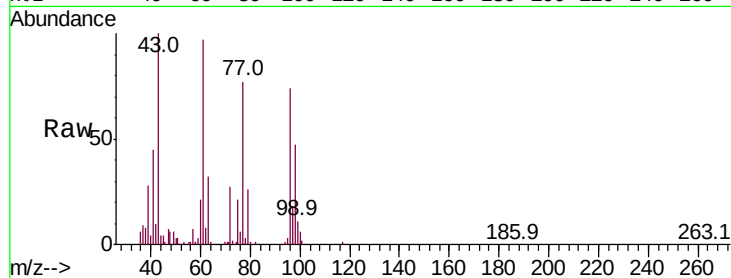




#25
2-Butanone
Concen: 239.586 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

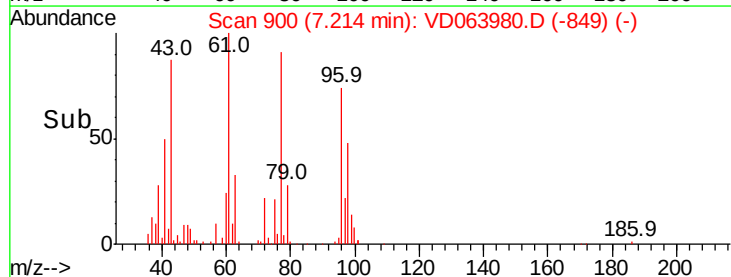
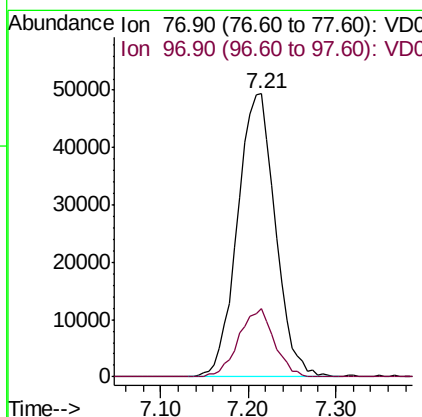
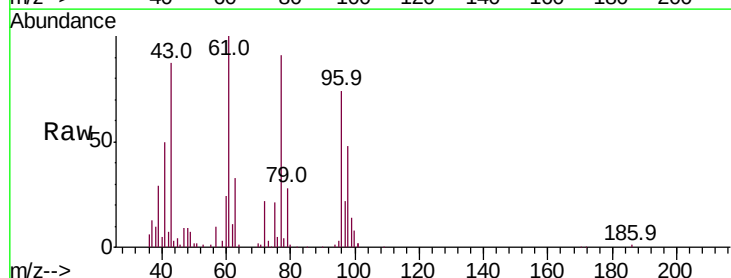
Instrument :
MSVOA_D
ClientSampleId :

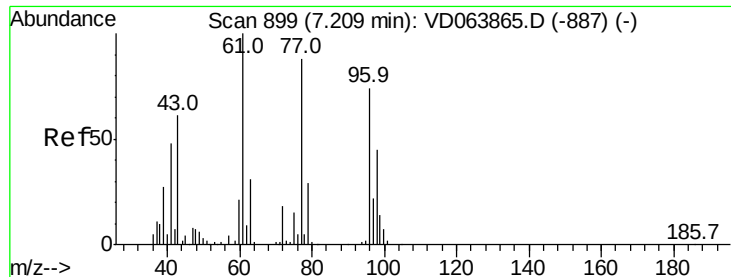
Tot Ion: 43 Resp: 140376
Ion Ratio Lower Upper
43 100
72 26.7 19.2 28.8



#26
2,2-Dichloropropane
Concen: 46.816 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion: 77 Resp: 144787
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.449 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

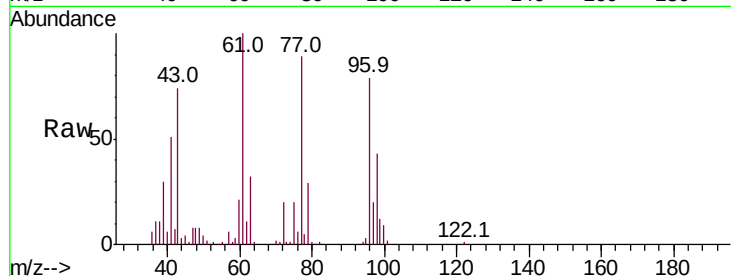
Tot Ion: 96 Resp: 113897

Ion Ratio Lower Upper

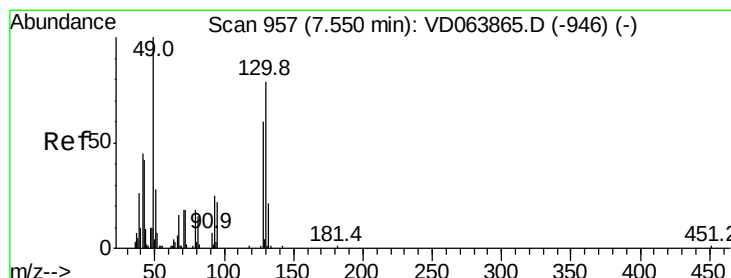
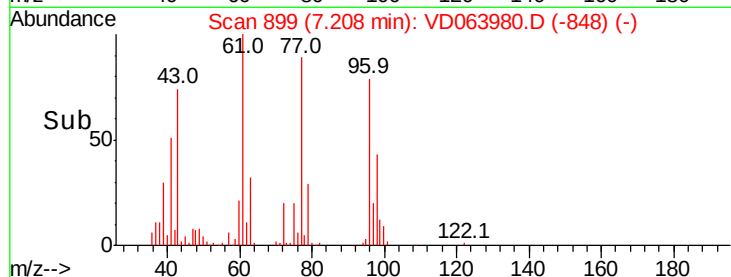
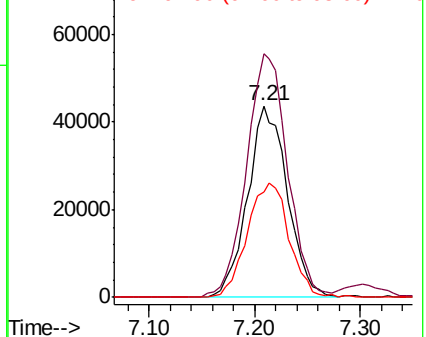
96 100

61 131.3 0.0 280.0

98 63.0 0.0 130.4



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



#28

Bromochloromethane

Concen: 56.336 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

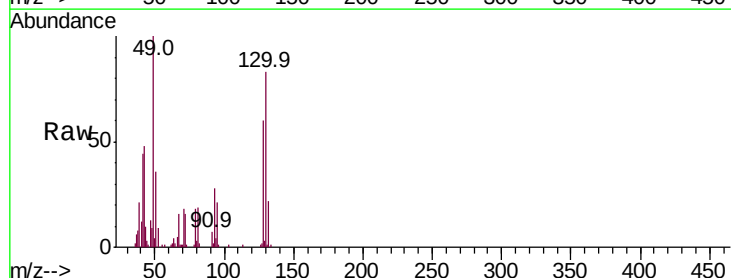
Tgt Ion: 49 Resp: 73545

Ion Ratio Lower Upper

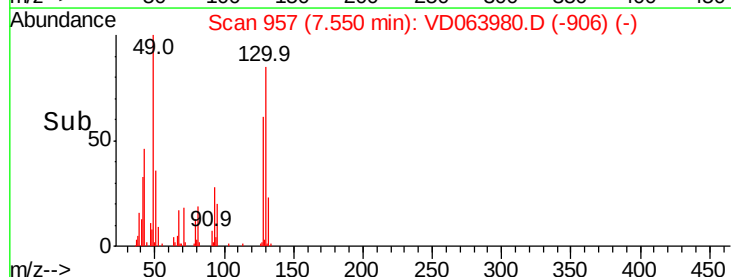
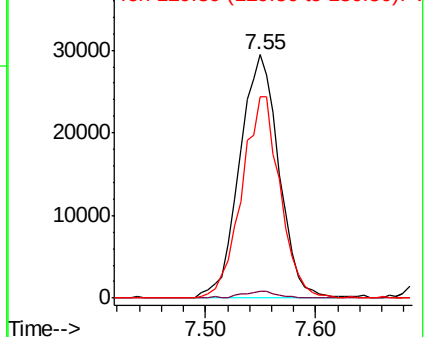
49 100

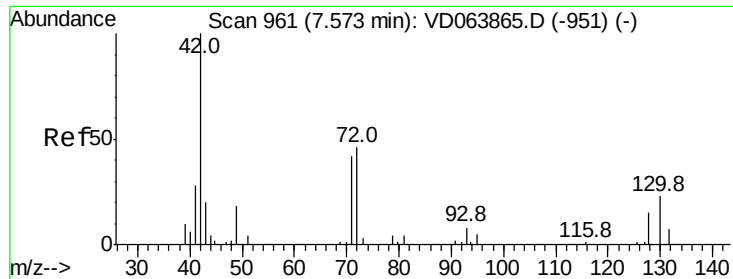
129 2.3 0.0 5.6

130 80.8 66.8 100.2



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

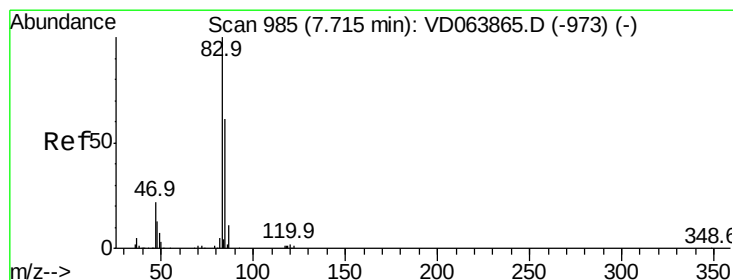
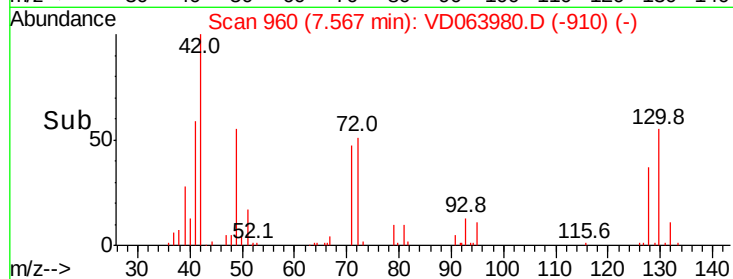
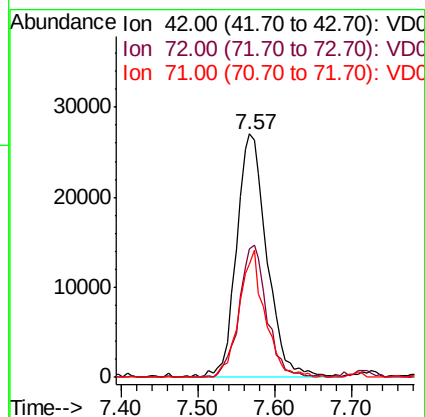
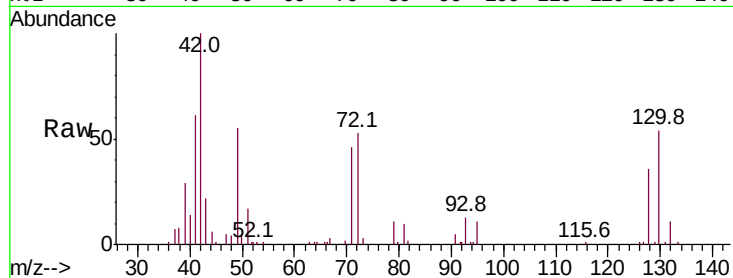




#29
Tetrahydrofuran
Concen: 218.638 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

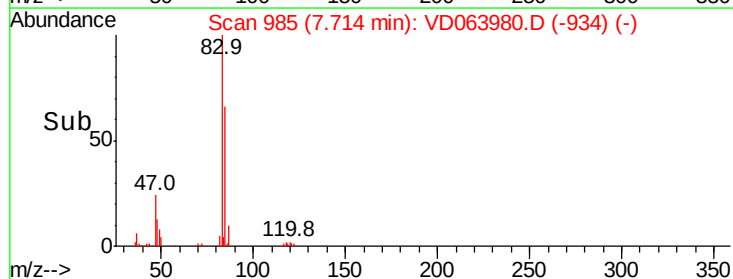
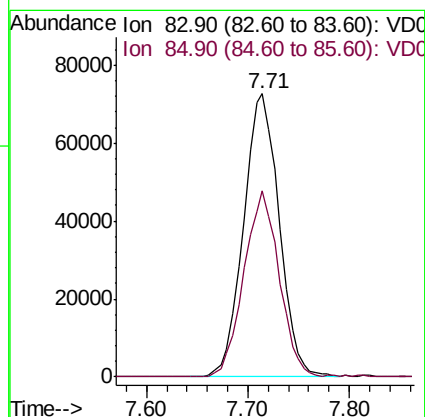
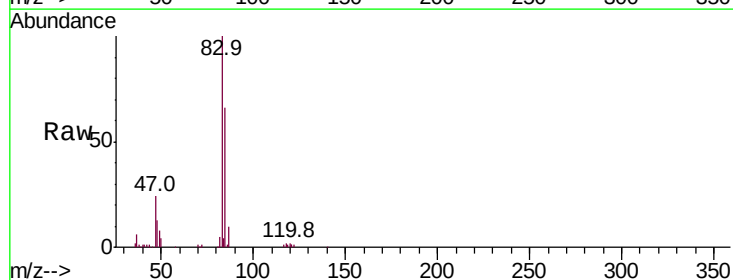
Instrument :
MSVOA_D
ClientSampleId :

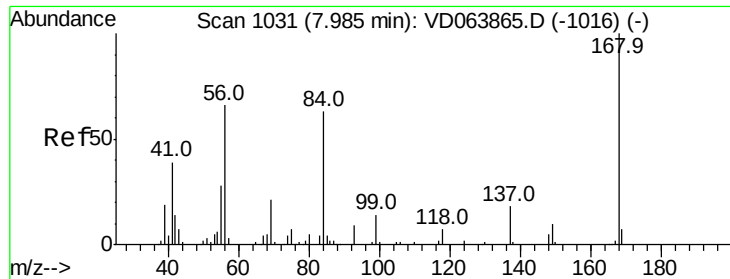
Tot Ion: 42 Resp: 74771
Ion Ratio Lower Upper
42 100
72 49.0 37.6 56.4
71 44.4 35.0 52.6



#30
Chloroform
Concen: 47.724 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion: 83 Resp: 177211
Ion Ratio Lower Upper
83 100
85 65.7 48.9 73.3

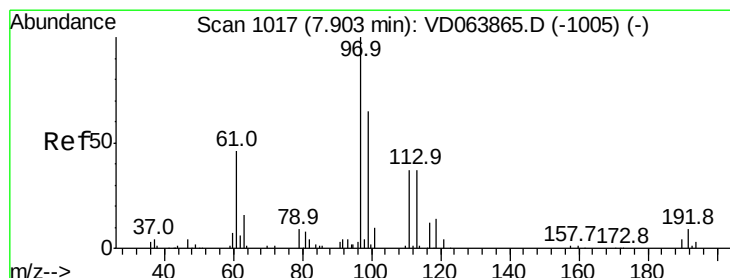
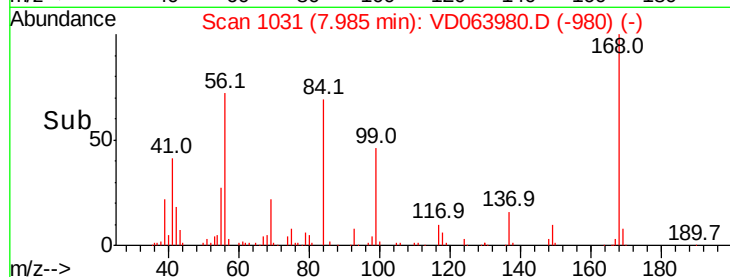
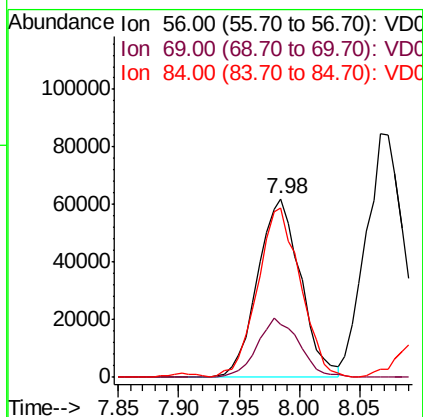
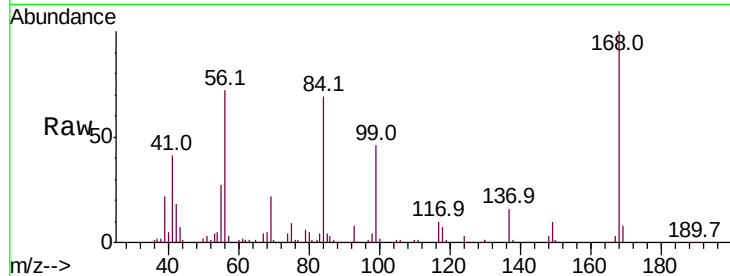




#31
Cyclohexane
Concen: 54.822 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

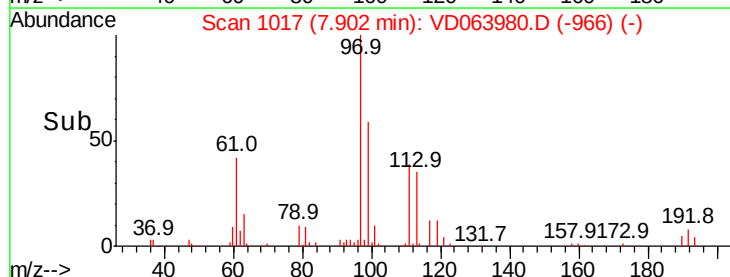
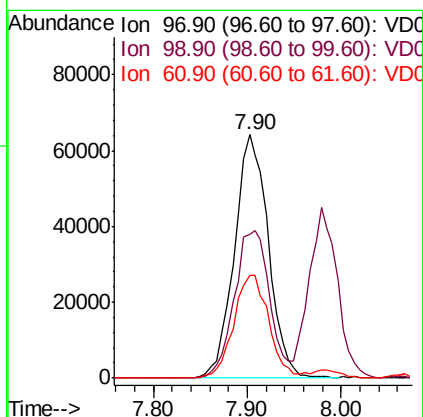
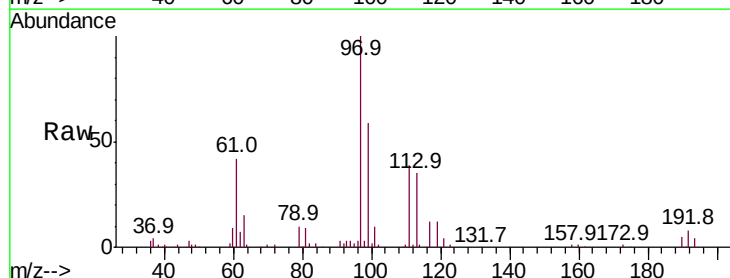
Instrument :
MSVOA_D
ClientSampleId :

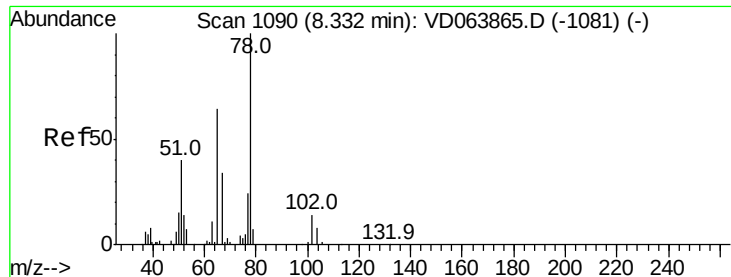
Tot Ion: 56 Resp: 153874
Ion Ratio Lower Upper
56 100
69 29.9 25.0 37.4
84 93.7 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 50.409 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion: 97 Resp: 160568
Ion Ratio Lower Upper
97 100
99 62.9 52.4 78.6
61 43.5 33.8 50.8

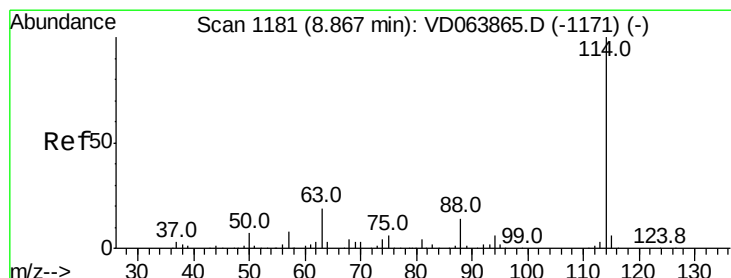
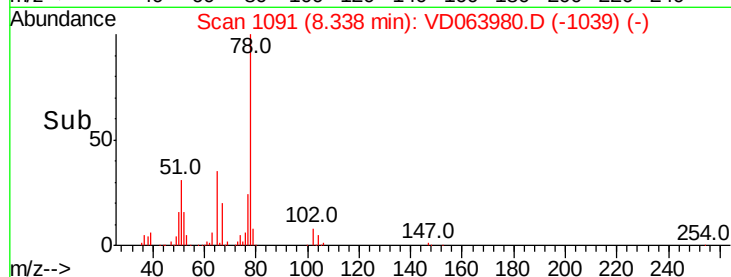
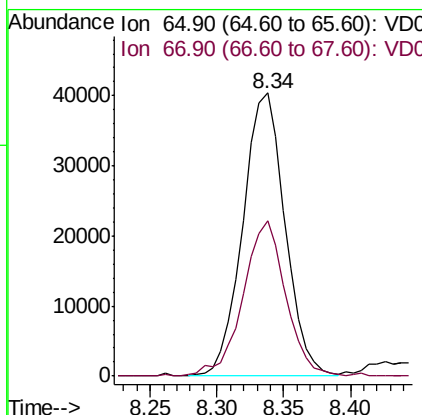
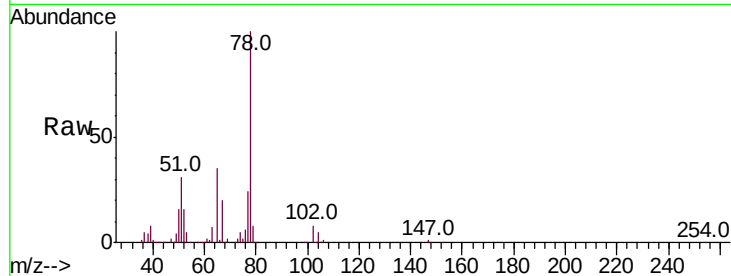




#33
 1,2-Dichloroethane-d4
 Concen: 46.654 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

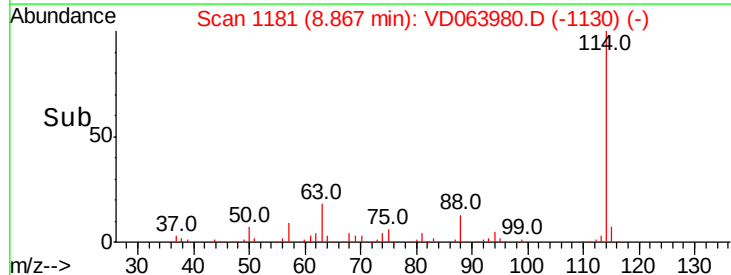
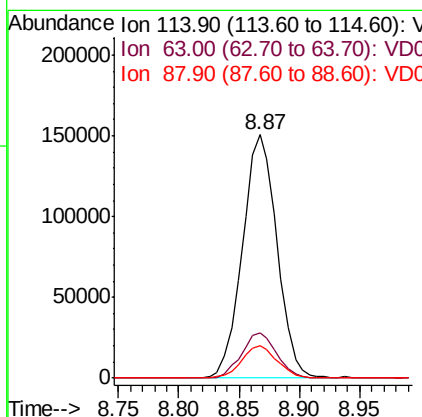
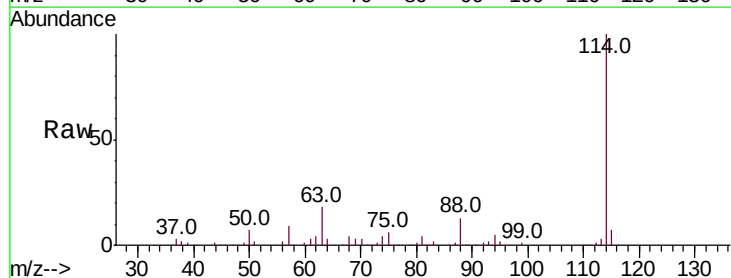
Instrument :
 MSVOA_D
 ClientSampleId :

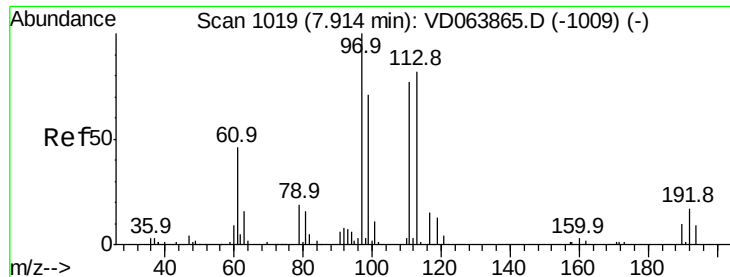
Tot Ion: 65 Resp: 88593
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion: 114 Resp: 301052
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.4
 88 13.3 0.0 27.4

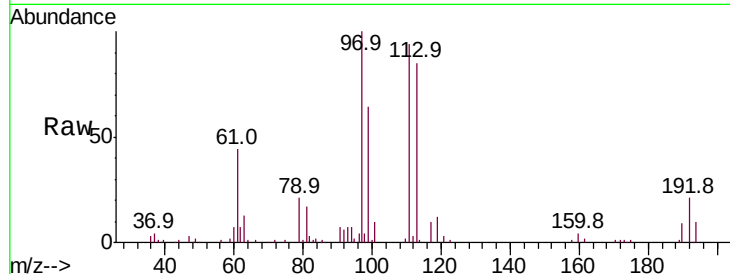




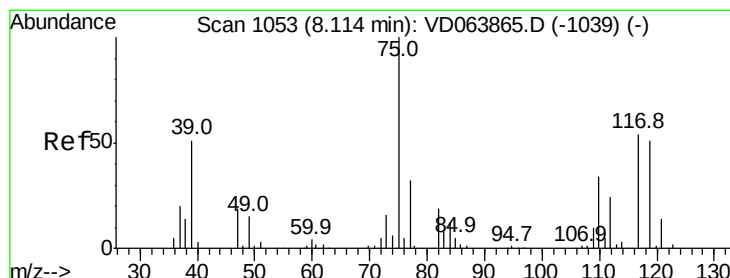
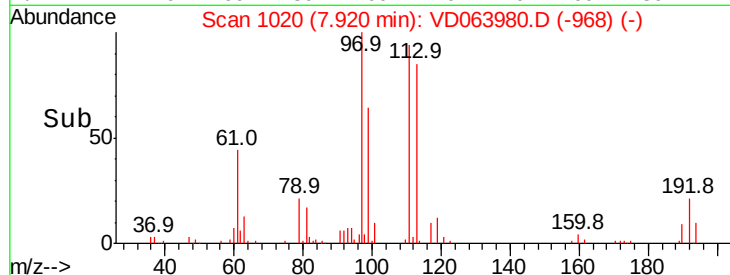
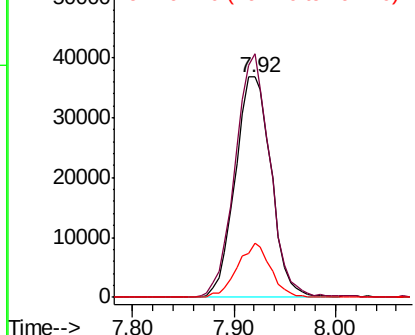
#35
Dibromofluoromethane
Concen: 49.251 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 90613
Ion Ratio Lower Upper
113 100
111 107.0 82.6 123.8
192 22.7 17.1 25.7

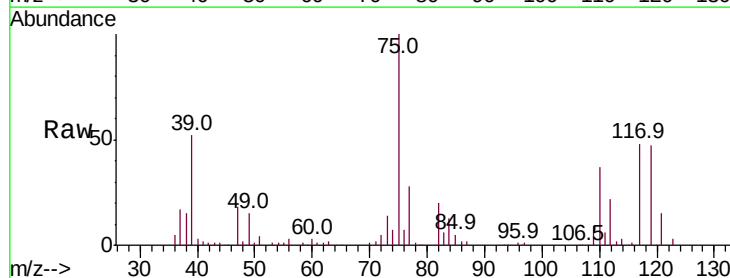


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

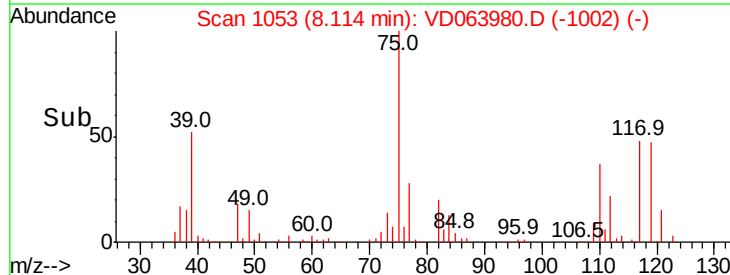
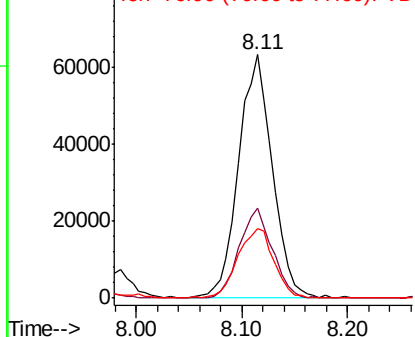


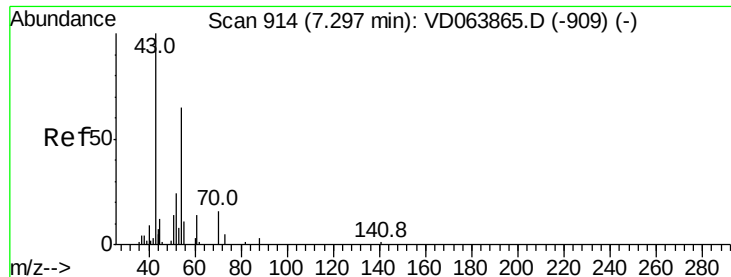
#36
1,1-Dichloropropene
Concen: 51.008 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion: 75 Resp: 140404
Ion Ratio Lower Upper
75 100
110 36.0 17.4 52.3
77 30.6 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

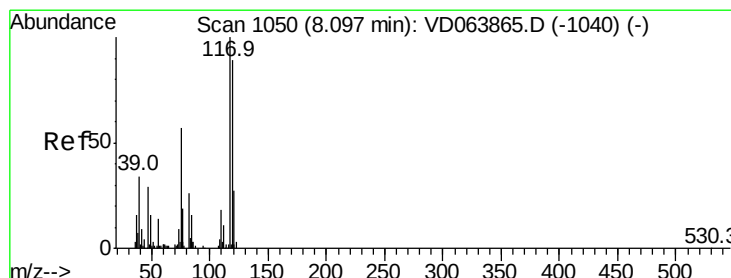
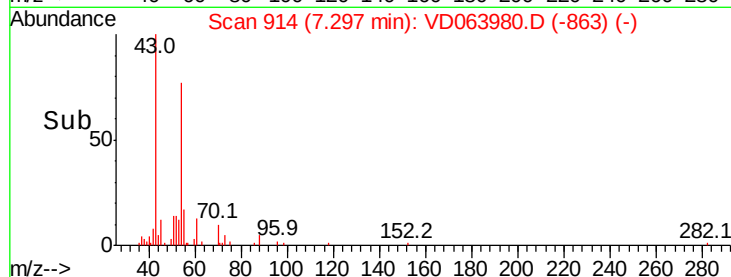
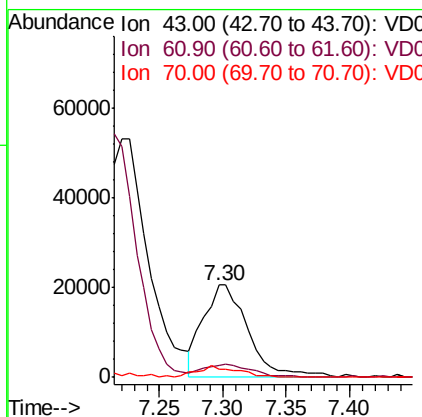
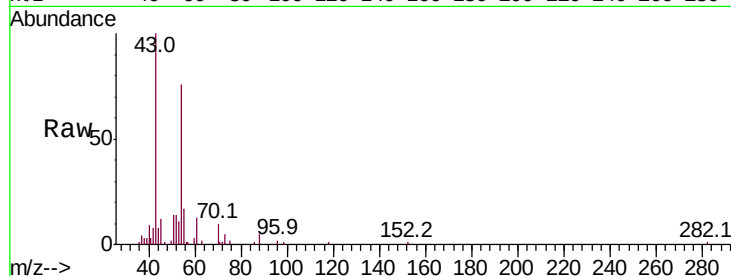




#37
Ethyl Acetate
Concen: 44.639 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

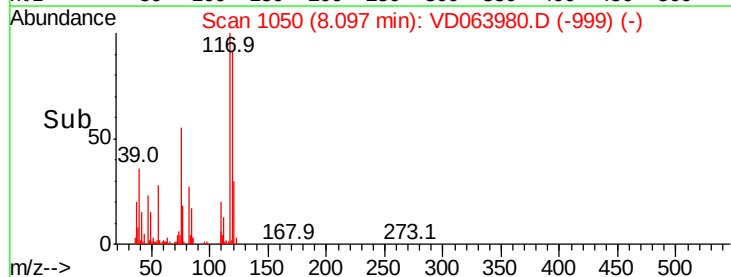
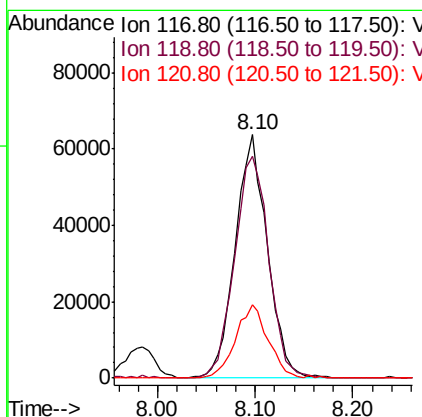
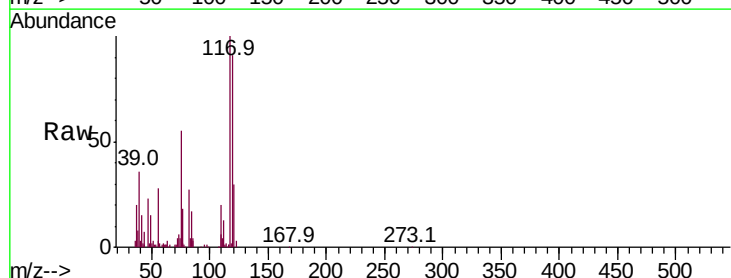
Instrument :
MSVOA_D
ClientSampleId :

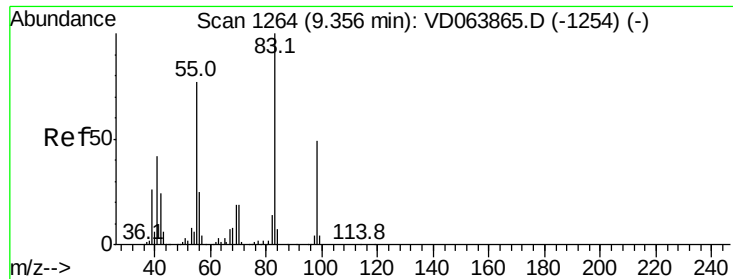
Tot Ion: 43 Resp: 49742
Ion Ratio Lower Upper
43 100
61 13.3 11.5 17.3
70 11.7 8.2 12.4



#38
Carbon Tetrachloride
Concen: 52.457 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion: 117 Resp: 145914
Ion Ratio Lower Upper
117 100
119 91.0 70.8 106.2
121 30.3 21.4 32.0

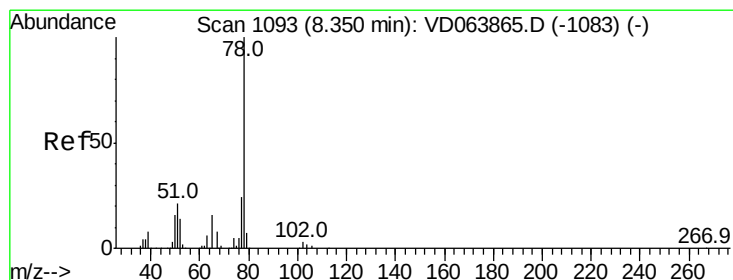
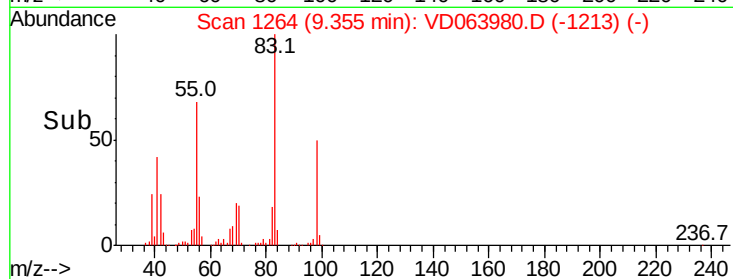
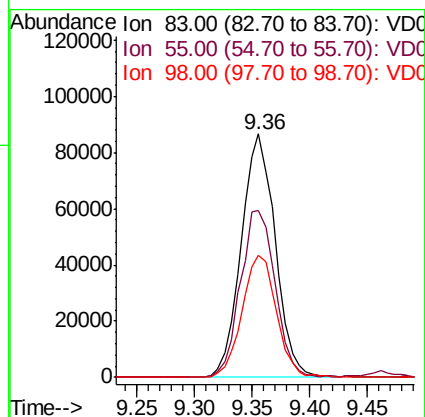
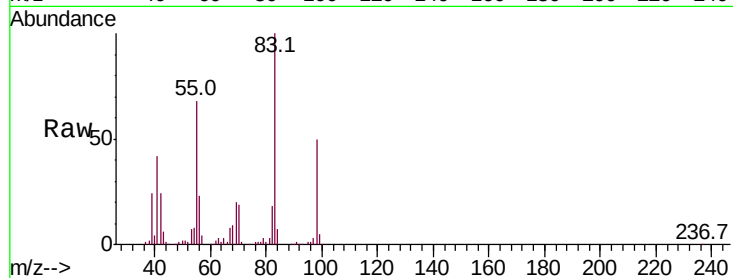




#39
Methylvlcyclohexane
Concen: 52.436 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

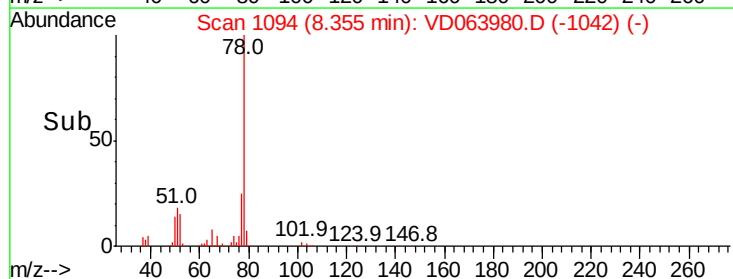
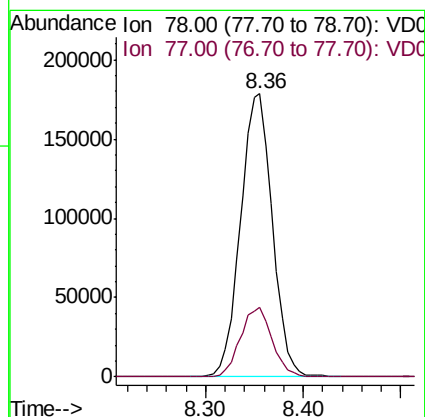
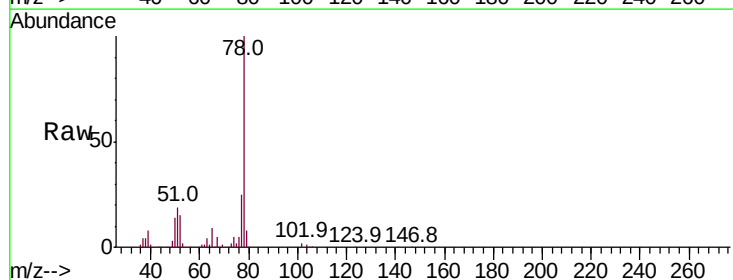
Instrument :
MSVOA_D
ClientSampleId :

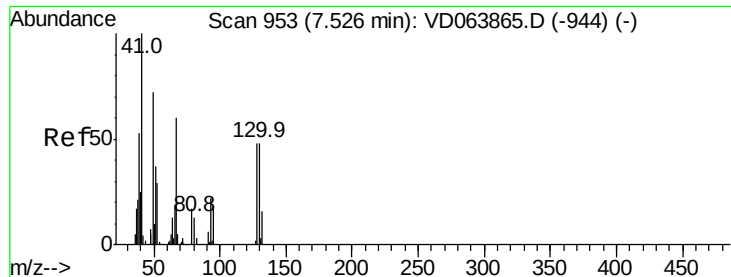
Tot Ion: 83 Resp: 177468
Ion Ratio Lower Upper
83 100
55 68.3 61.3 91.9
98 50.1 39.3 58.9



#40
Benzene
Concen: 51.521 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion: 78 Resp: 406404
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6





#41

Methacrylonitrile

Concen: 56.247 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 35896

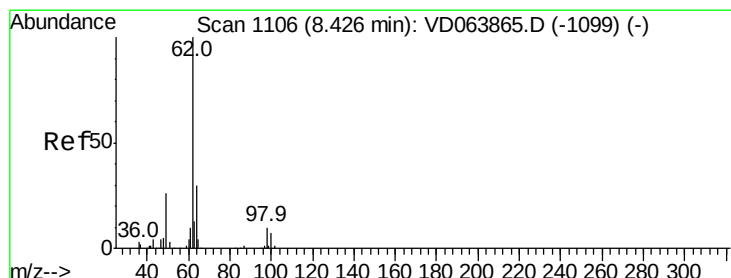
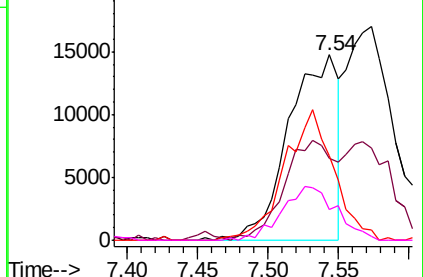
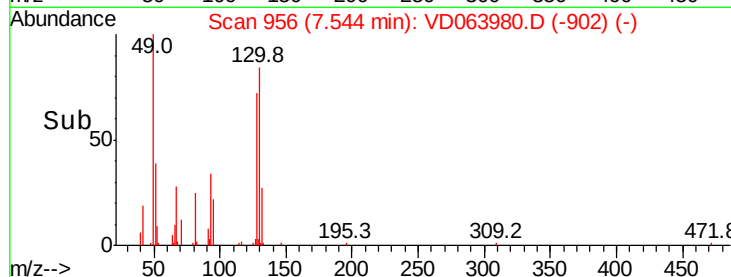
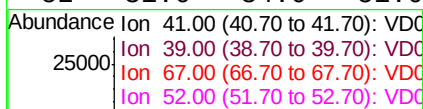
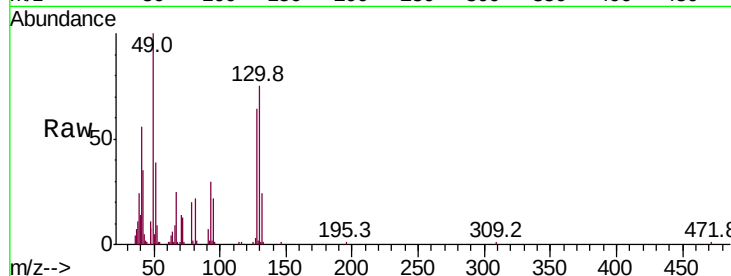
Ion Ratio Lower Upper

41 100

39 54.9 52.6 78.8

67 70.2 74.2 111.2#

52 31.6 34.0 51.0#



#42

1,2-Dichloroethane

Concen: 48.586 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063980.D

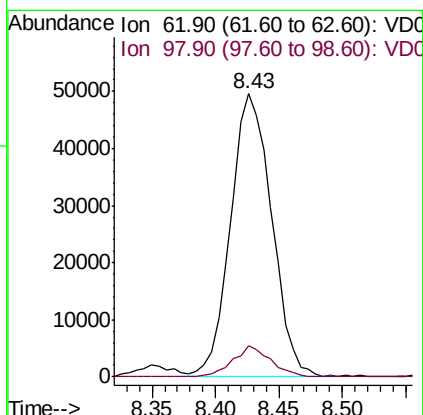
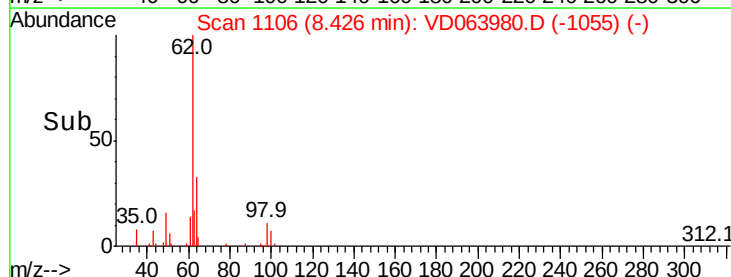
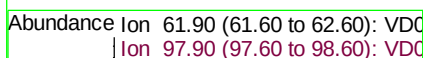
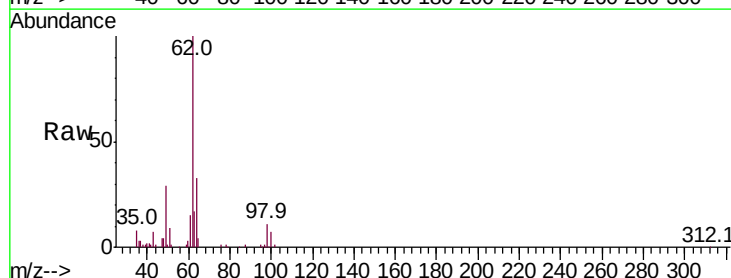
Acq: 16 Oct 2019 11:30

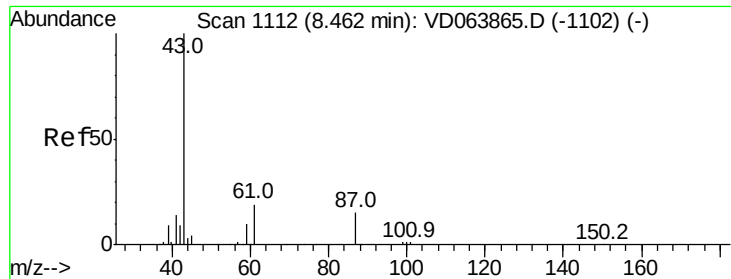
Tgt Ion: 62 Resp: 110862

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.0





#43

Isopropyl Acetate

Concen: 44.894 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

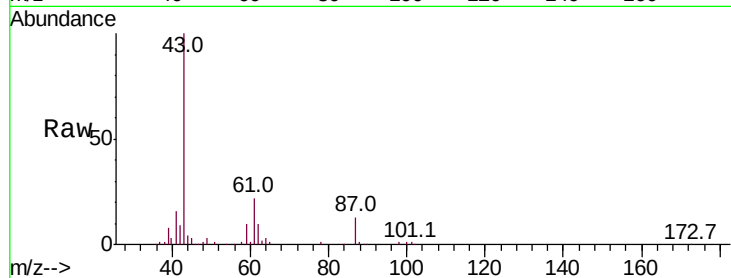
Tot Ion: 43 Resp: 103635

Ion Ratio Lower Upper

43 100

61 31.7 25.7 38.5

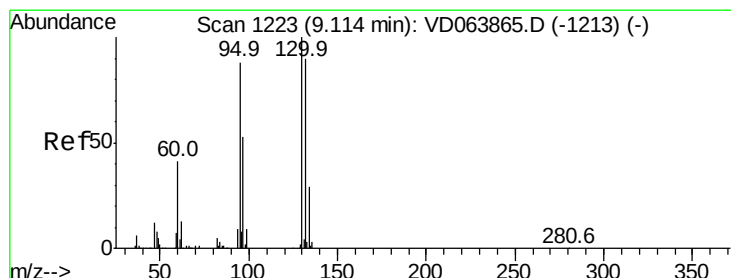
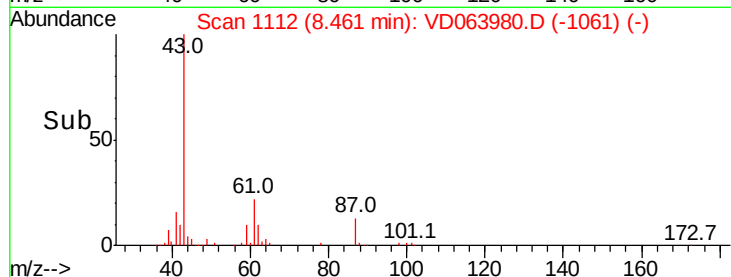
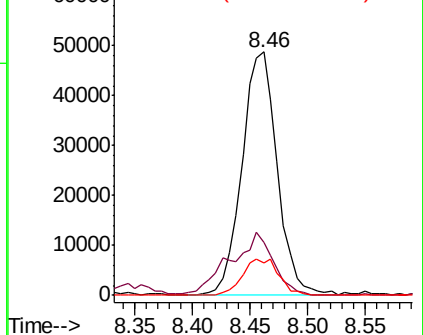
87 15.4 11.6 17.4



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: 51.223 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063980.D

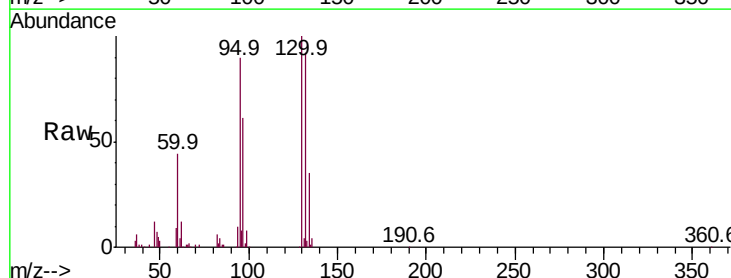
Acq: 16 Oct 2019 11:30

Tgt Ion:130 Resp: 116513

Ion Ratio Lower Upper

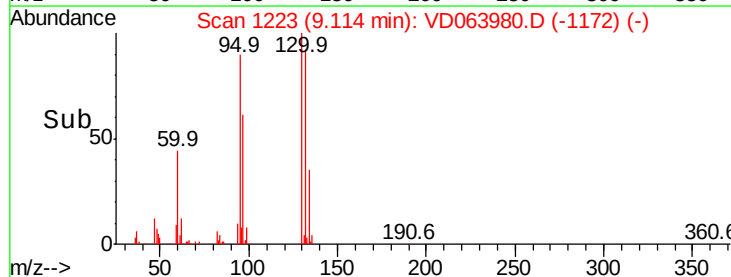
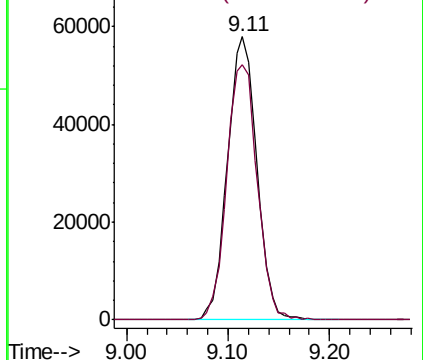
130 100

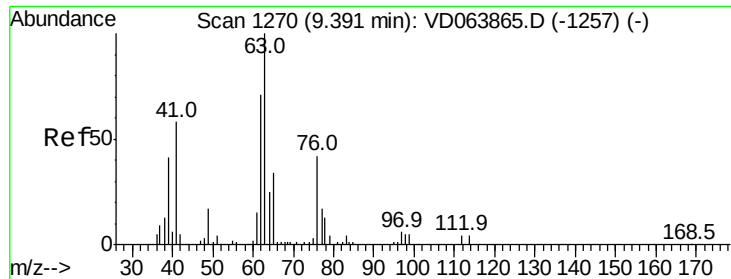
95 90.1 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

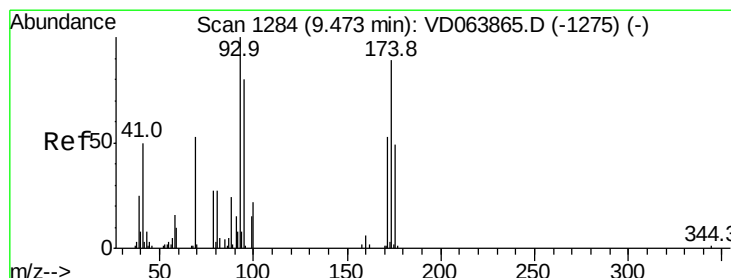
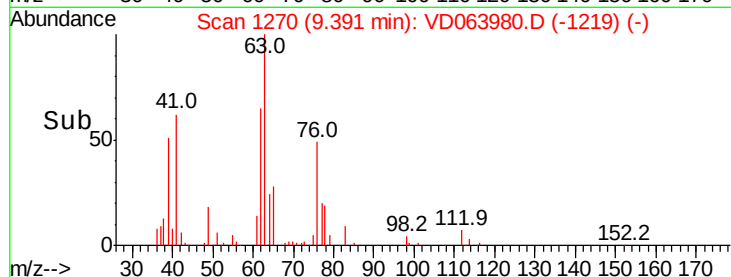
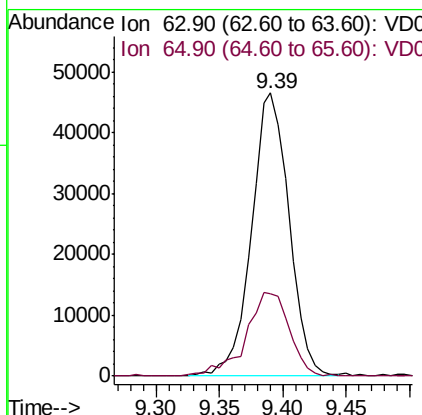
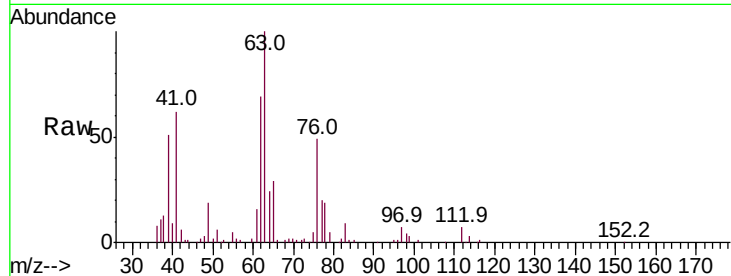




#45
 1,2-Dichloropropane
 Concen: 49.800 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

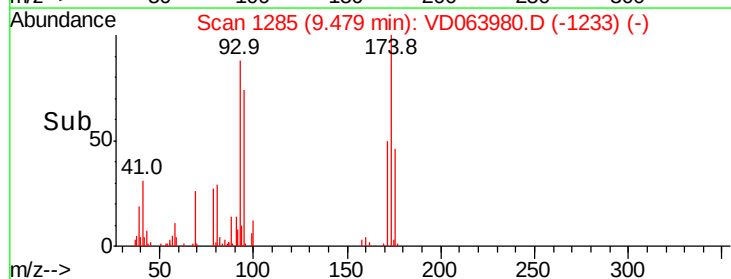
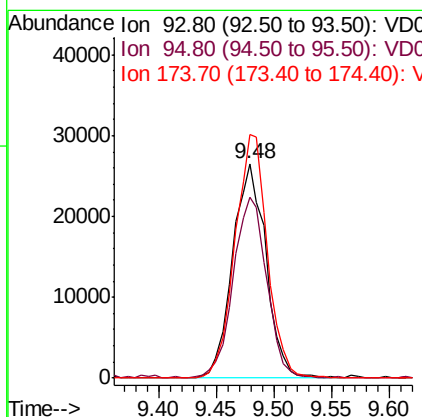
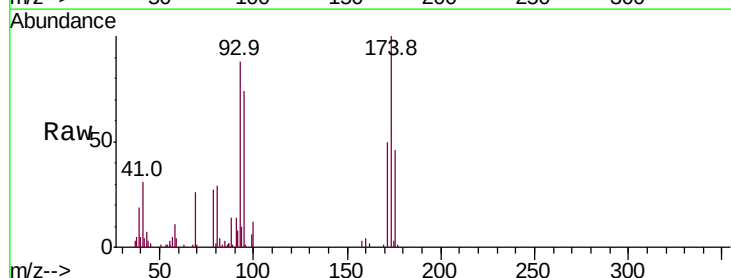
Instrument :
 MSVOA_D
 ClientSampleId :

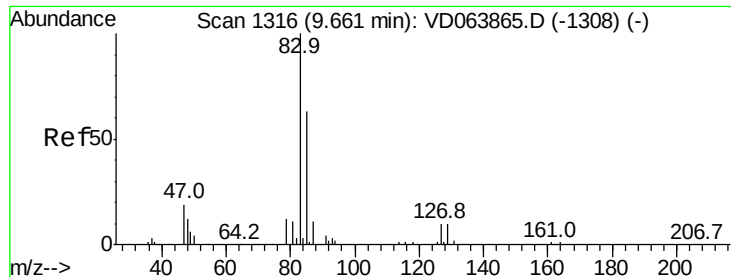
Tot Ion: 63 Resp: 96151
 Ion Ratio Lower Upper
 63 100
 65 28.9 27.3 40.9



#46
 Dibromomethane
 Concen: 48.092 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion: 93 Resp: 52881
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.0 99.0
 174 110.6 83.4 125.0





#47

Bromodichloromethane

Concen: 50.312 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

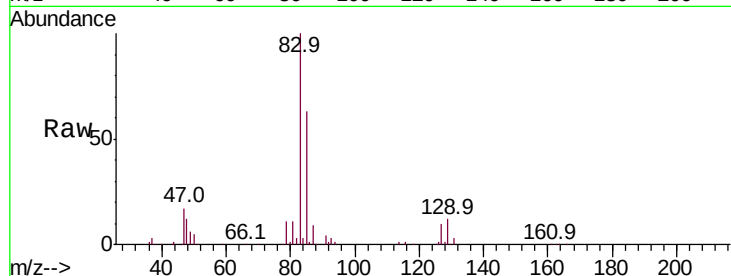
Tot Ion: 83 Resp: 142433

Ion Ratio Lower Upper

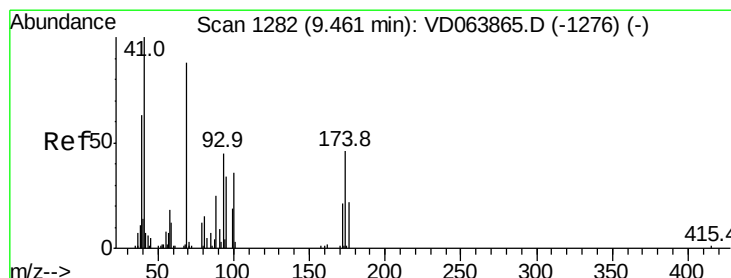
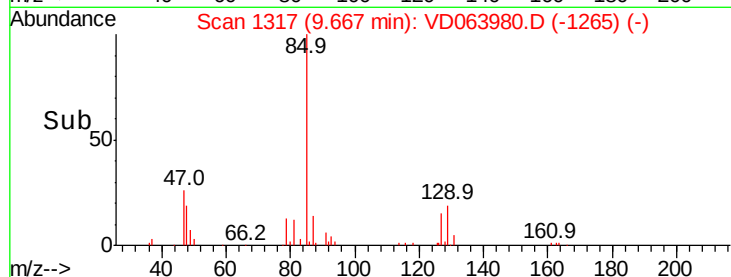
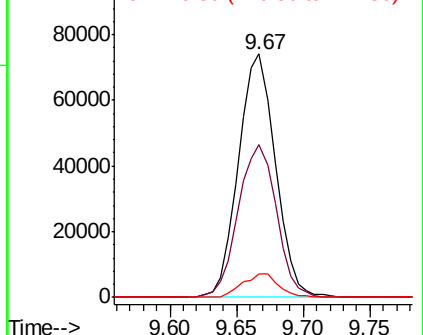
83 100

85 62.6 50.2 75.2

127 9.8 7.6 11.4



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): V



#48

Methyl methacrylate

Concen: 45.642 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

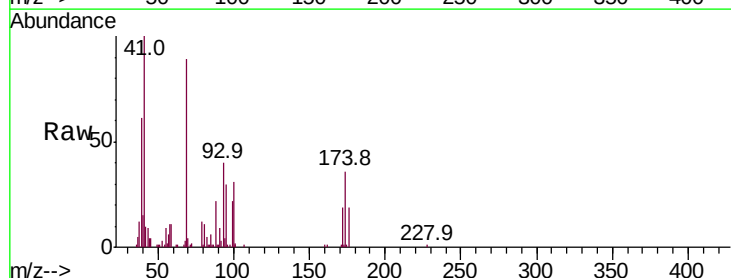
Tgt Ion: 41 Resp: 50482

Ion Ratio Lower Upper

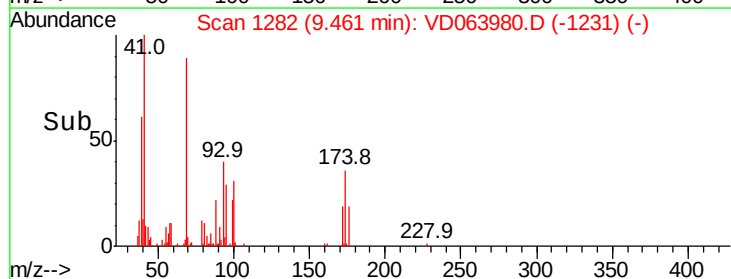
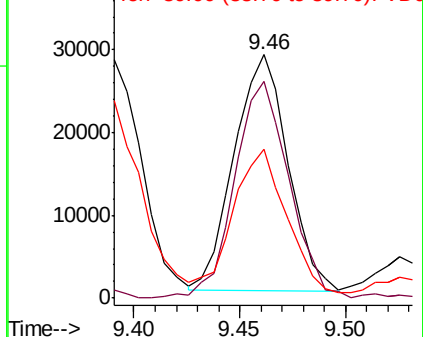
41 100

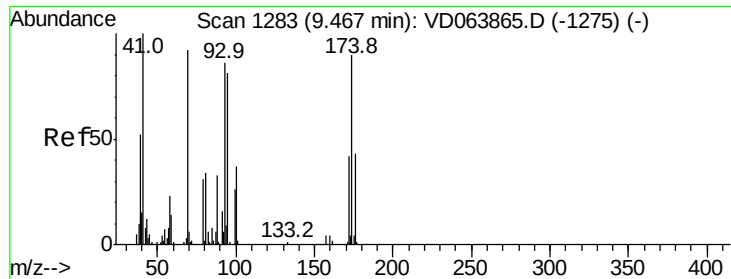
69 92.5 75.1 112.7

39 63.0 50.2 75.2



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

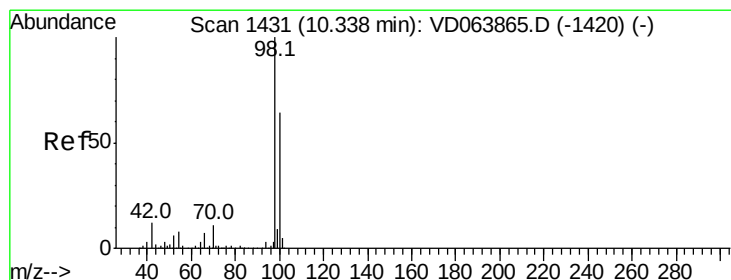
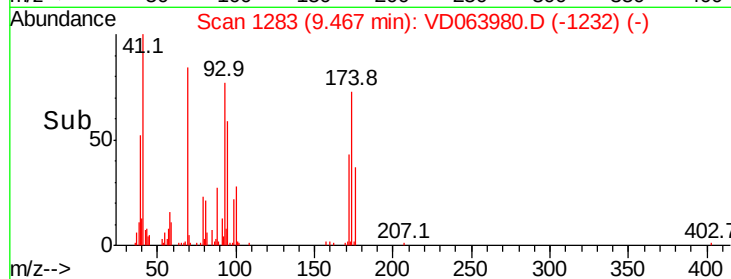
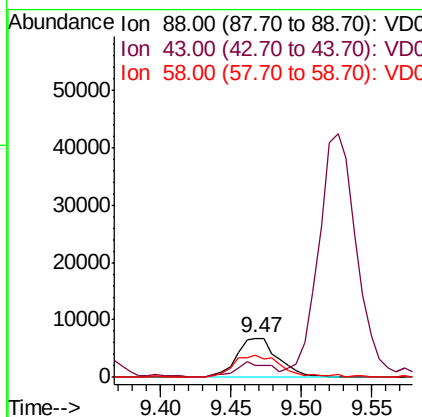
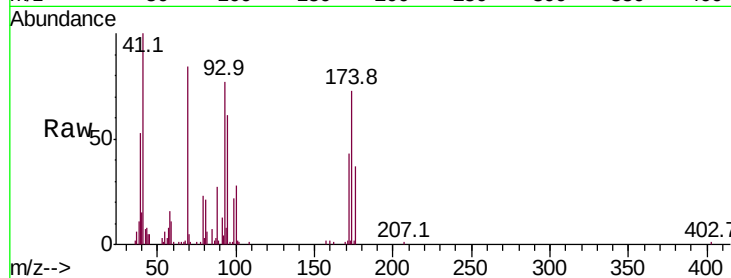




#49
 1,4-Dioxane
 Concen: 937.227 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

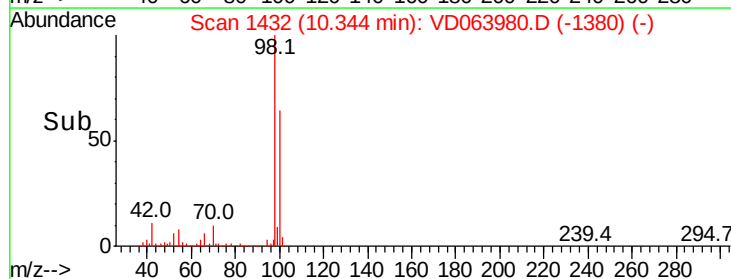
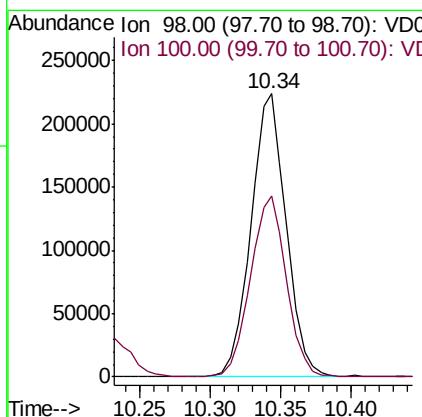
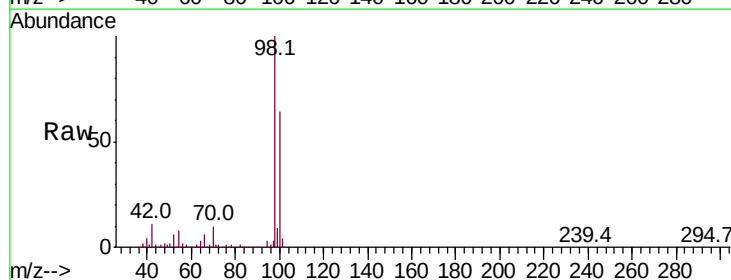
Instrument :
 MSVOA_D
 ClientSampled :

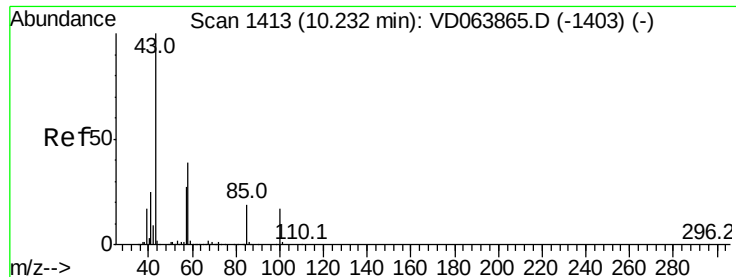
Tot Ion: 88 Resp: 14067
 Ion Ratio Lower Upper
 88 100
 43 30.0 27.6 41.4
 58 65.5 54.1 81.1



#50
 Toluene-d8
 Concen: 52.343 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion: 98 Resp: 390874
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 231.692 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

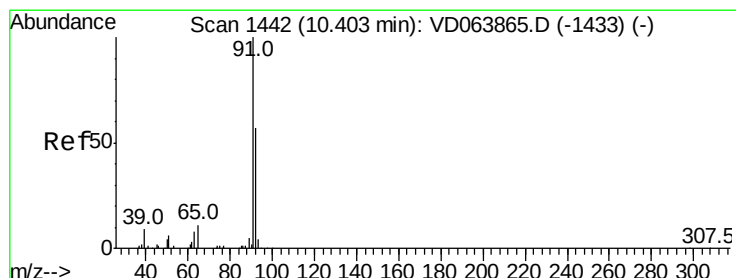
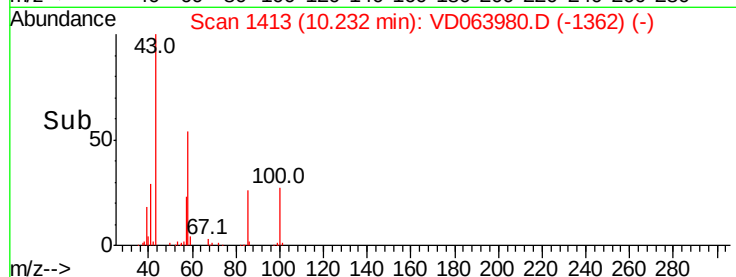
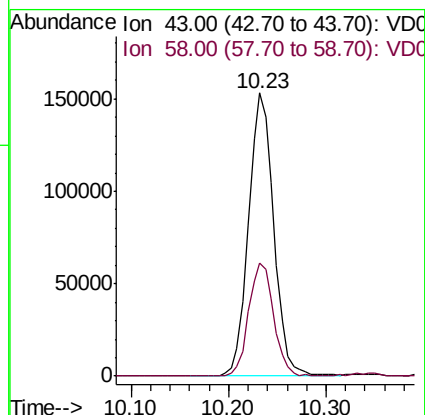
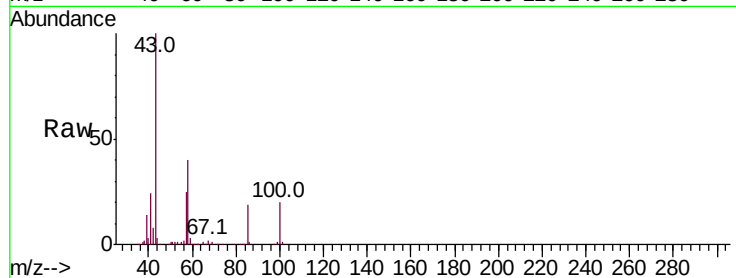
ClientSampleId :

Tot Ion: 43 Resp: 277381

Ion Ratio Lower Upper

43 100

58 39.7 33.0 49.4



#52

Toluene

Concen: 52.409 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063980.D

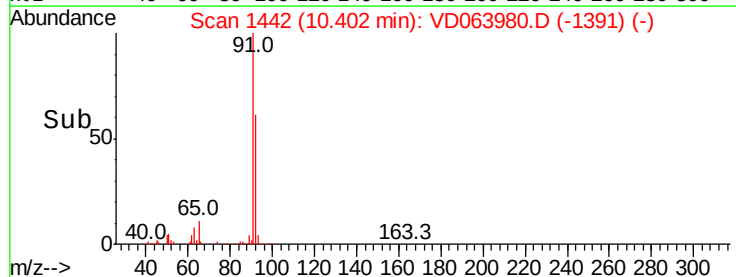
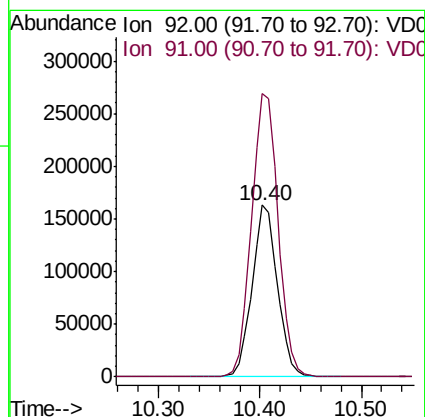
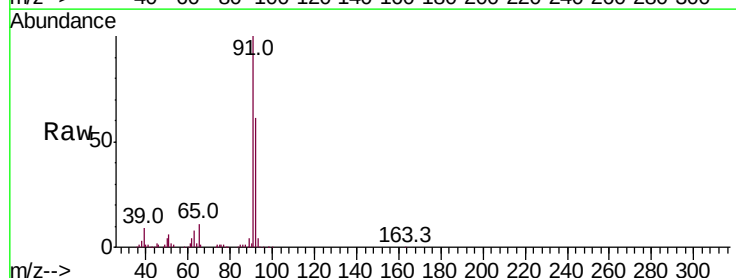
Acq: 16 Oct 2019 11:30

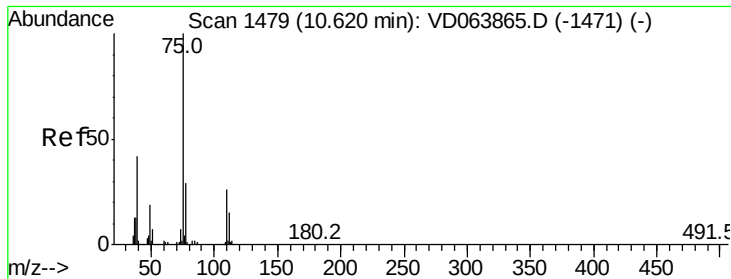
Tgt Ion: 92 Resp: 283795

Ion Ratio Lower Upper

92 100

91 173.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 49.770 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

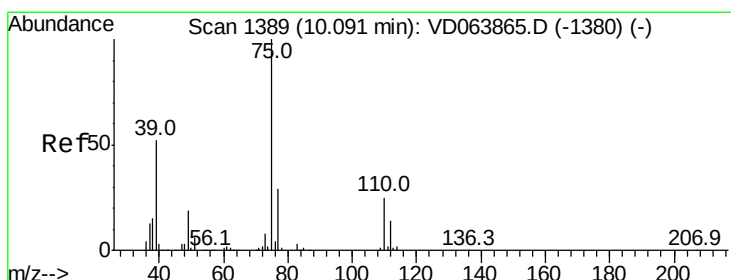
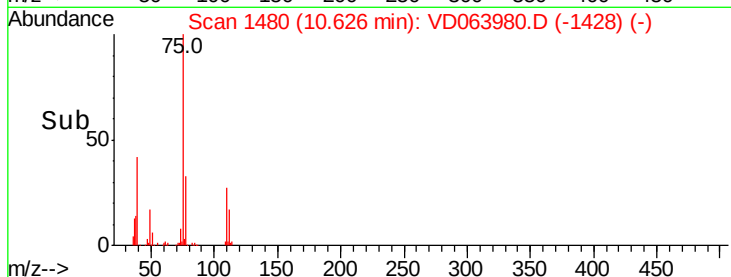
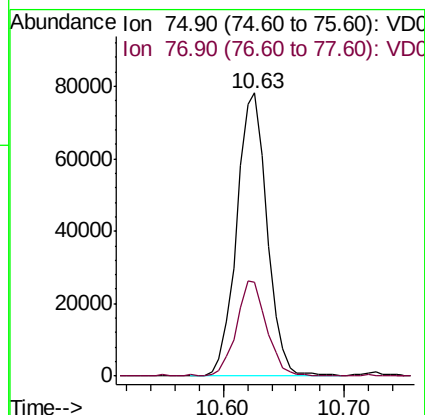
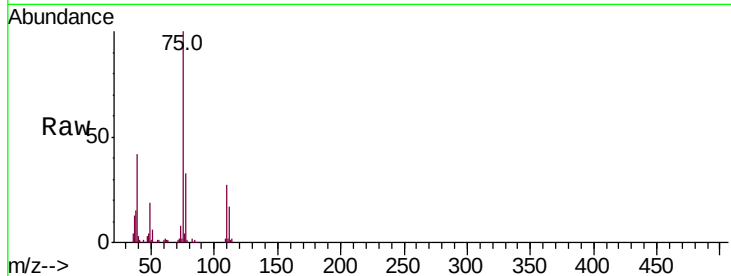
ClientSampleId :

Tot Ion: 75 Resp: 137492

Ion Ratio Lower Upper

75 100

77 33.0 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 50.388 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

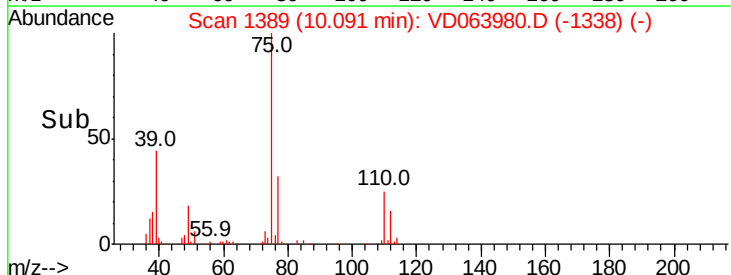
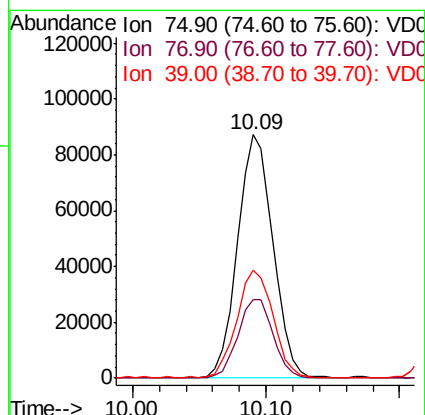
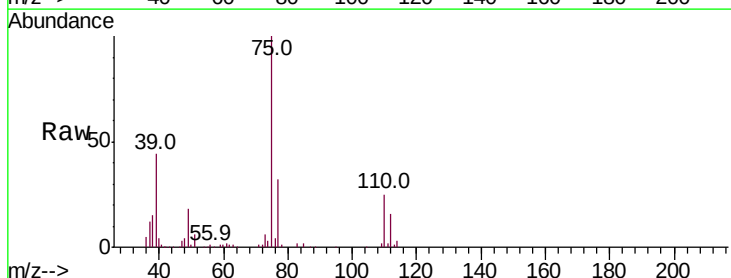
Tgt Ion: 75 Resp: 160234

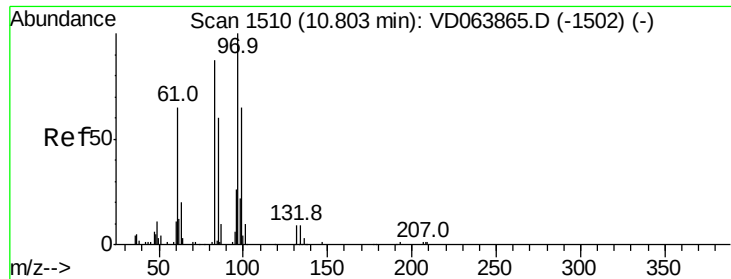
Ion Ratio Lower Upper

75 100

77 32.2 23.2 34.8

39 44.1 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 51.790 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 80406

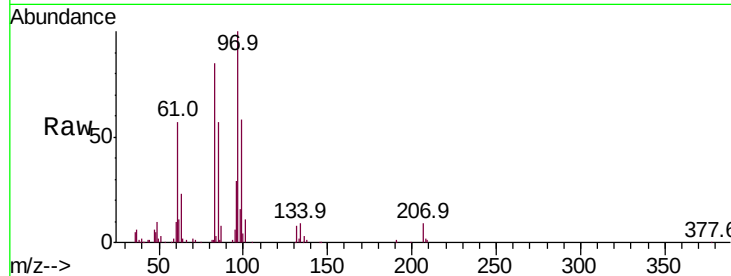
Ion Ratio Lower Upper

97 100

83 85.8 69.7 104.5

85 56.8 48.1 72.1

99 57.9 51.9 77.9

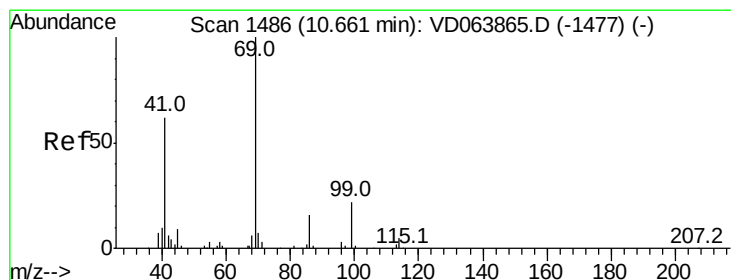
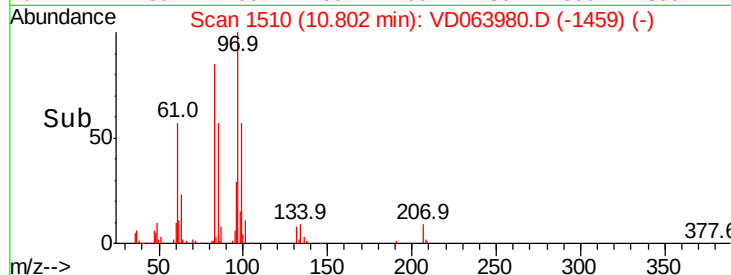
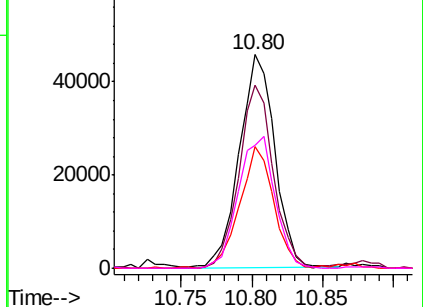


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.336 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

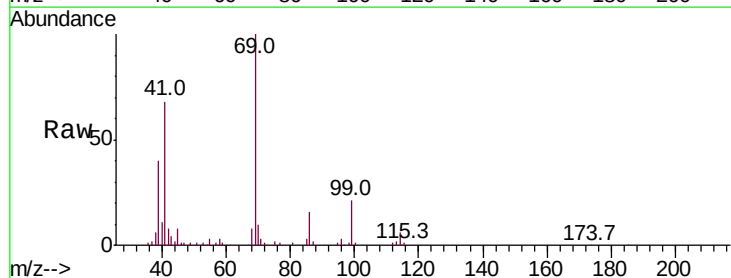
Tgt Ion: 69 Resp: 95032

Ion Ratio Lower Upper

69 100

41 61.2 51.3 76.9

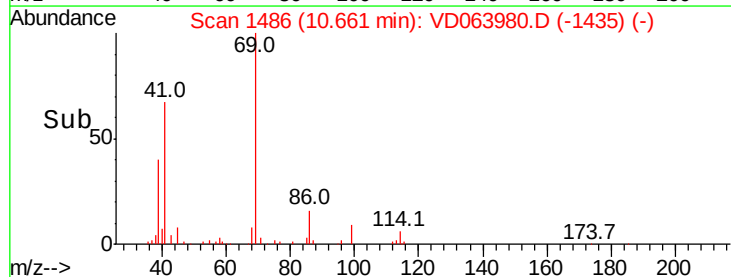
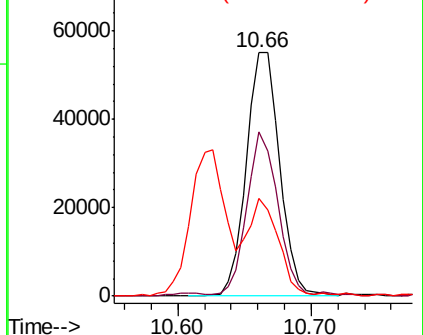
39 36.8 28.0 42.0

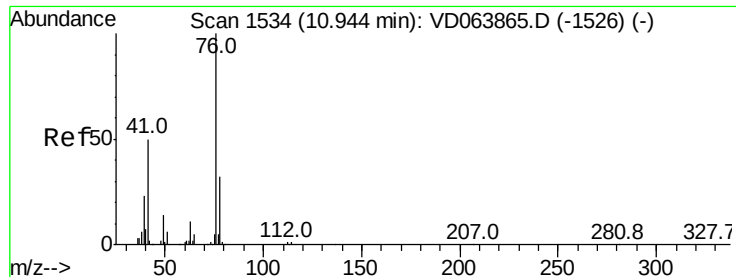


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.087 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

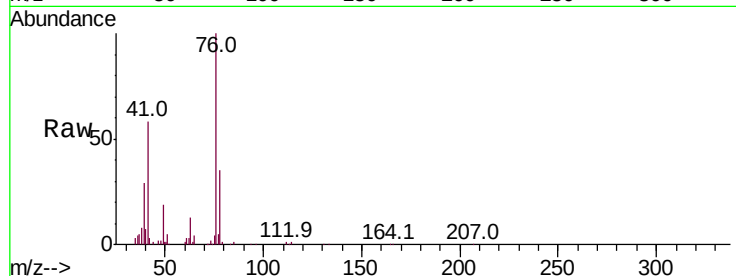
ClientSampled :

Tot Ion: 76 Resp: 133048

Ion Ratio Lower Upper

76 100

78 32.6 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

60000

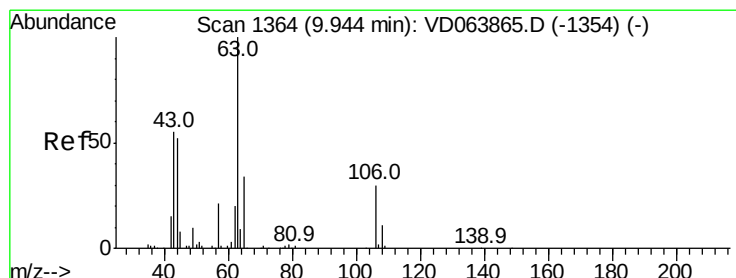
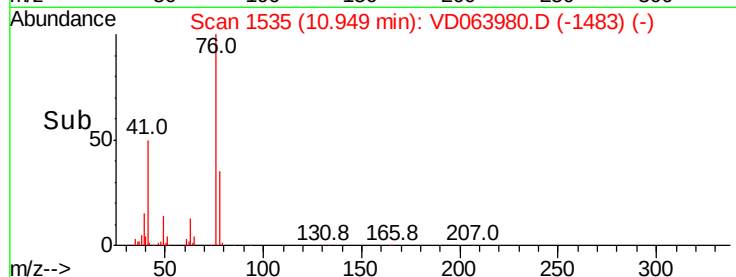
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 260.464 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063980.D

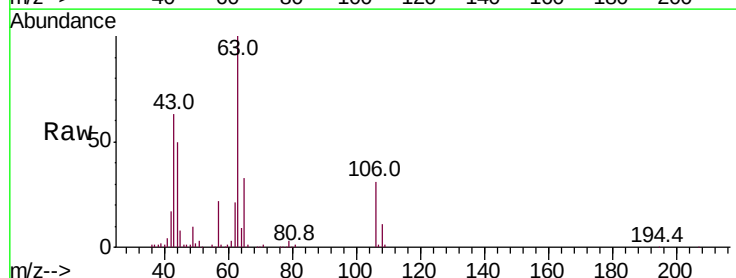
Acq: 16 Oct 2019 11:30

Tgt Ion: 63 Resp: 220118

Ion Ratio Lower Upper

63 100

106 29.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

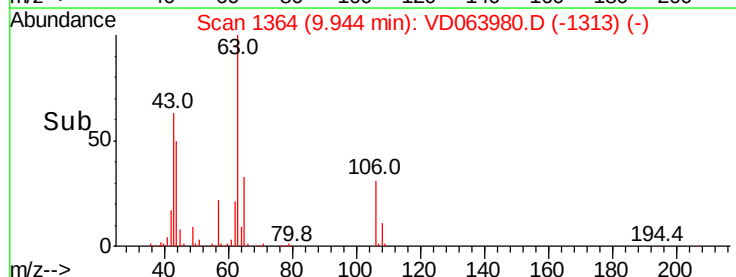
100000

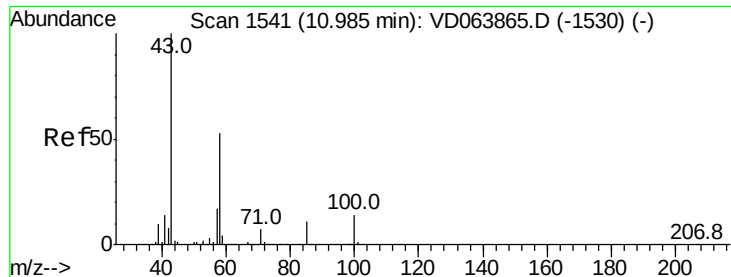
50000

0

Time-->

9.90 10.00

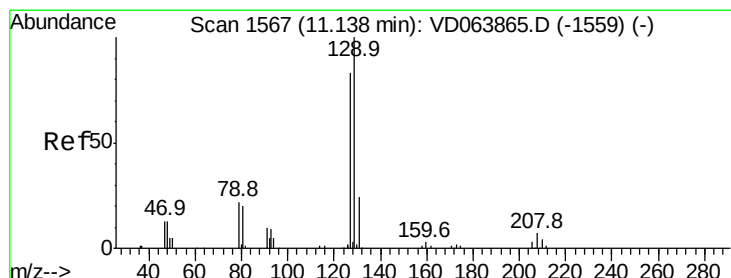
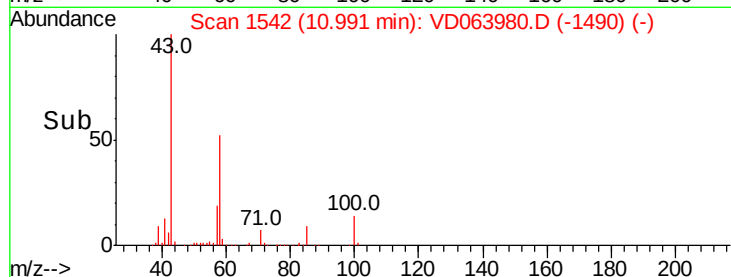
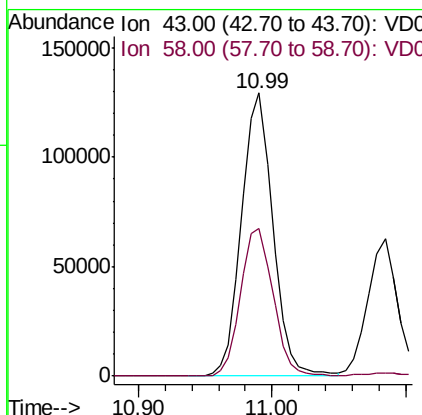
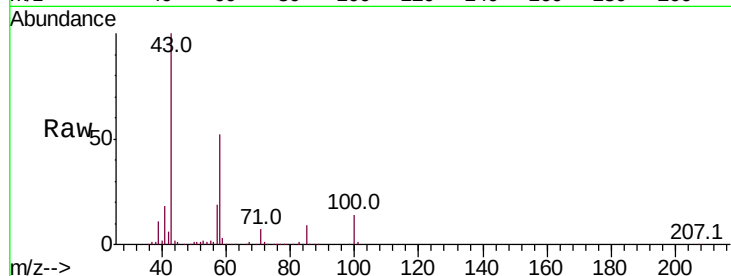




#59
2-Hexanone
Concen: 242.629 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

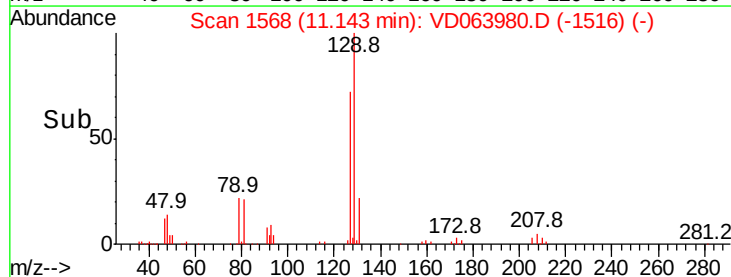
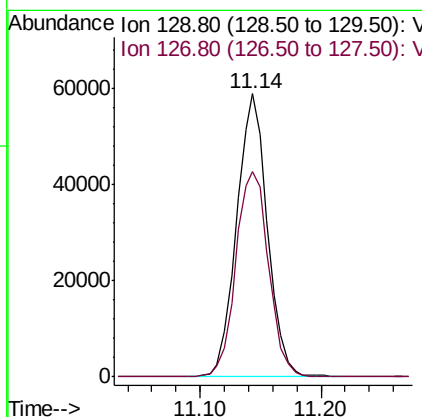
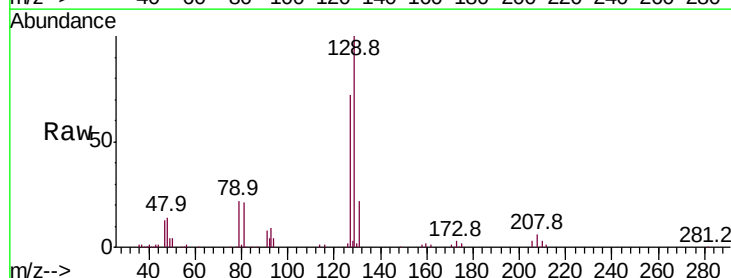
Instrument :
MSVOA_D
ClientSampleId :

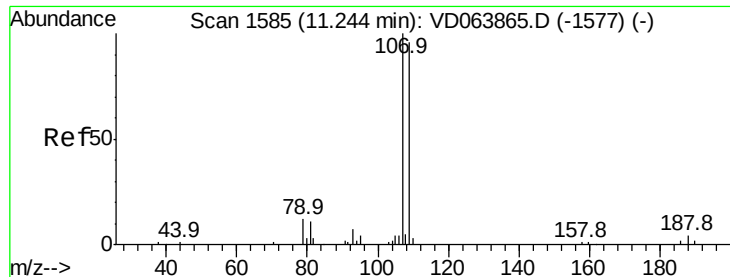
Tot Ion: 43 Resp: 210121
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.0



#60
Dibromochloromethane
Concen: 51.723 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion: 129 Resp: 104547
Ion Ratio Lower Upper
129 100
127 77.2 39.9 119.6

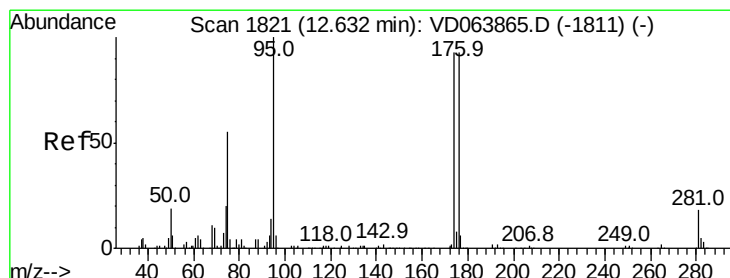
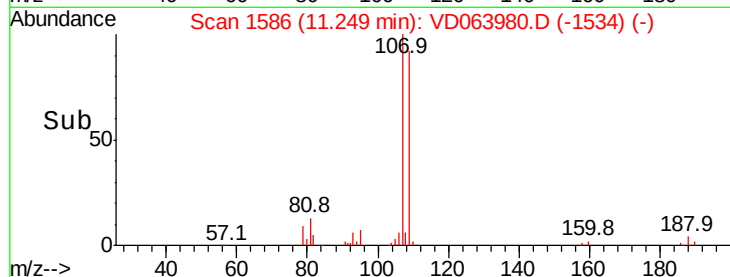
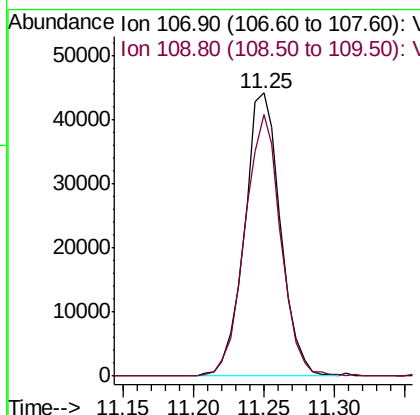
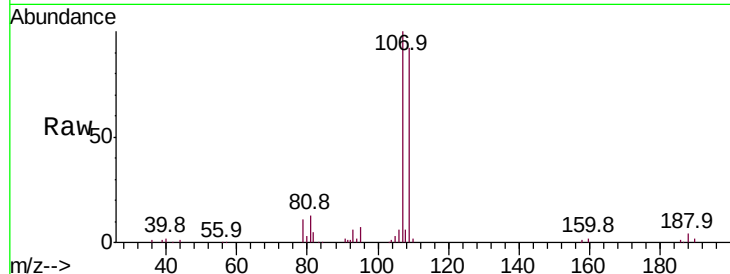




#61
 1,2-Dibromoethane
 Concen: 52.301 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

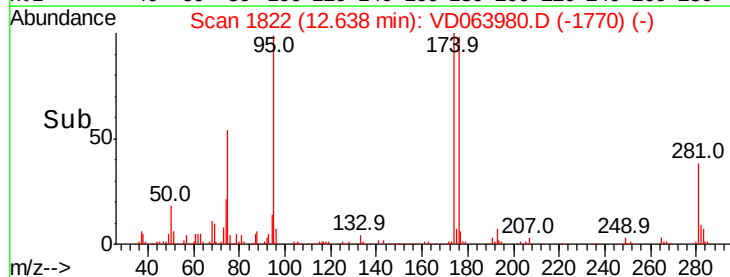
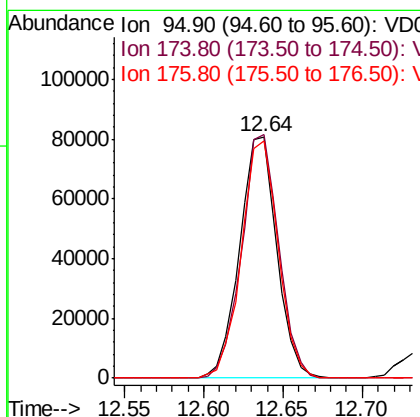
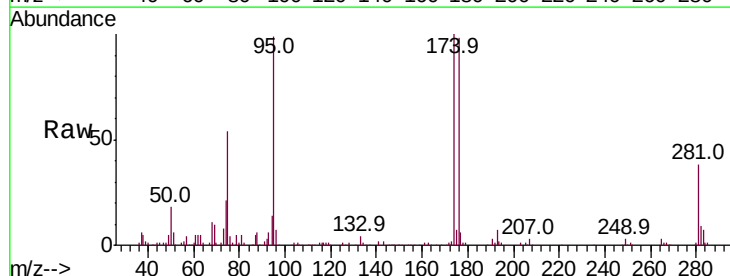
Instrument :
 MSVOA_D
 ClientSampleId :

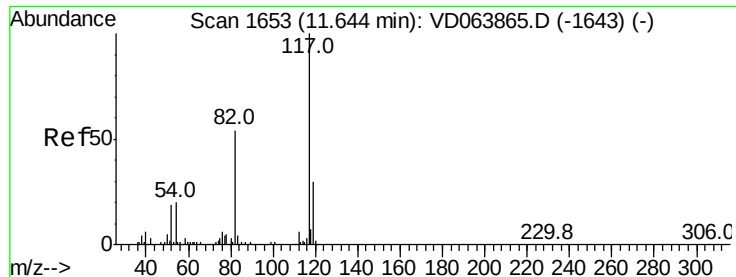
Tot Ion:107 Resp: 78721
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.786 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion: 95 Resp: 131787
 Ion Ratio Lower Upper
 95 100
 174 100.5 0.0 186.4
 176 97.6 0.0 184.2

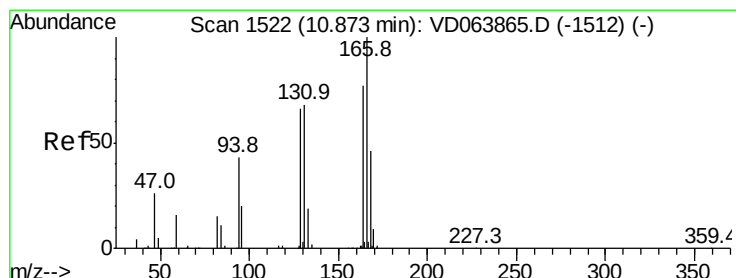
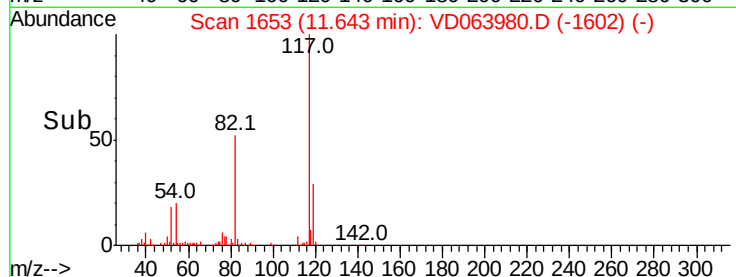
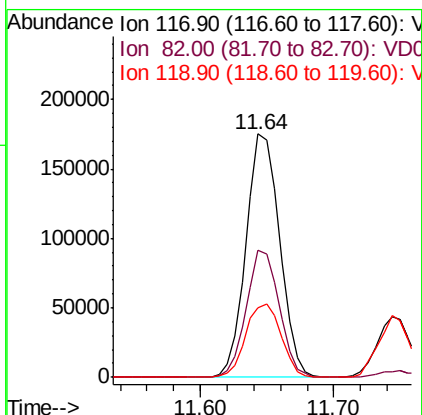
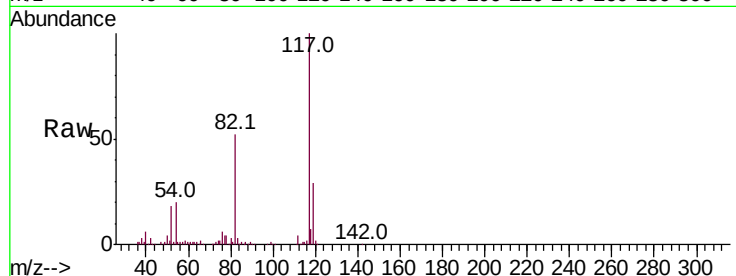




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

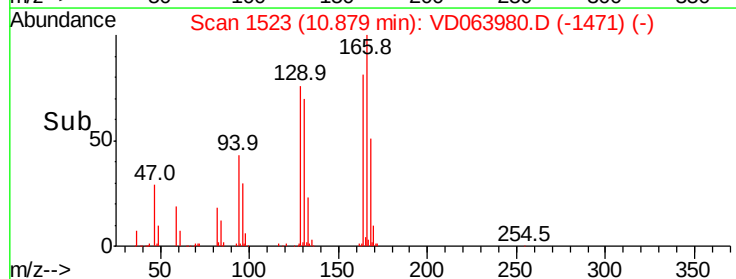
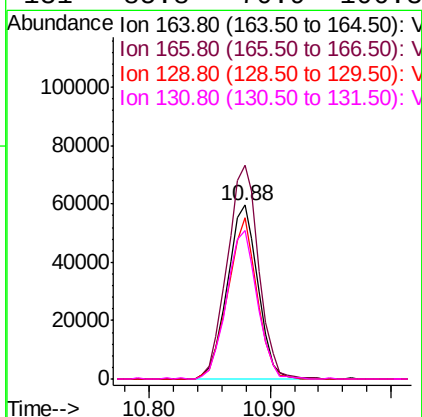
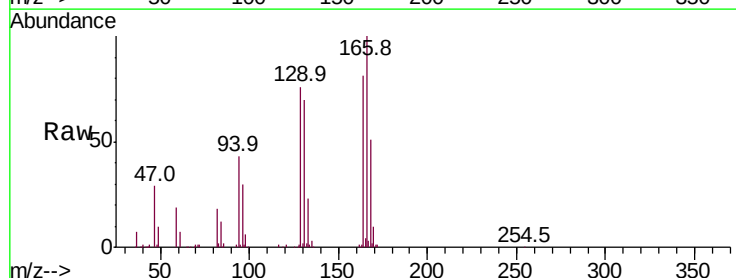
Instrument :
MSVOA_D
ClientSampleId :

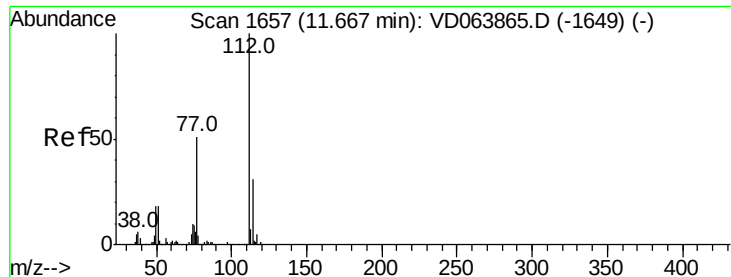
Tot Ion:117 Resp: 306423
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 28.6 24.4 36.6



#64
Tetrachloroethene
Concen: 50.168 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion:164 Resp: 104946
Ion Ratio Lower Upper
164 100
166 123.1 103.8 155.6
129 93.3 68.9 103.3
131 85.8 70.9 106.3





#65

Chlorobenzene

Concen: 51.278 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

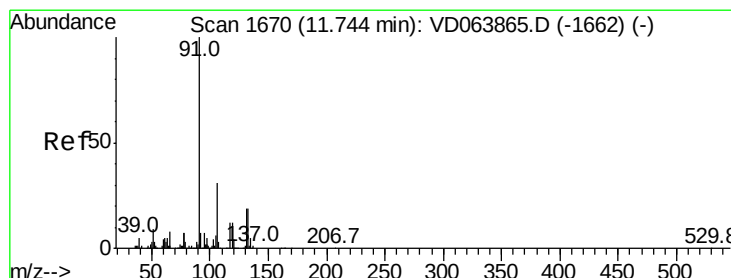
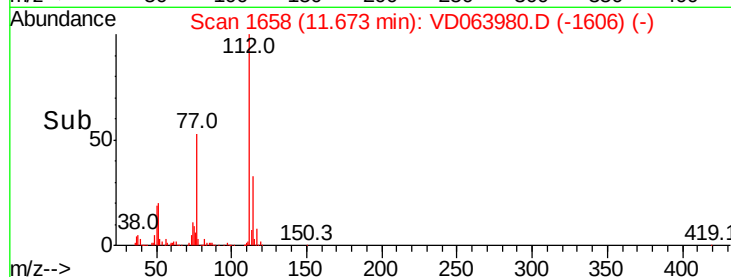
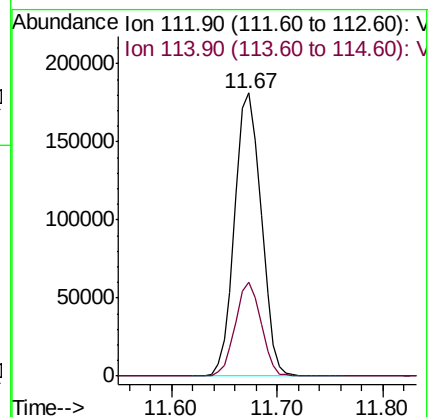
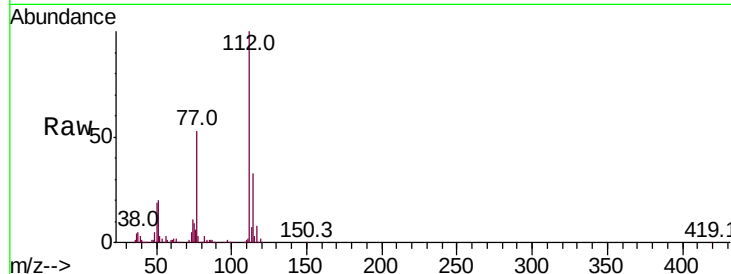
ClientSampleId :

Tot Ion:112 Resp: 315555

Ion Ratio Lower Upper

112 100

114 33.2 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 51.539 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

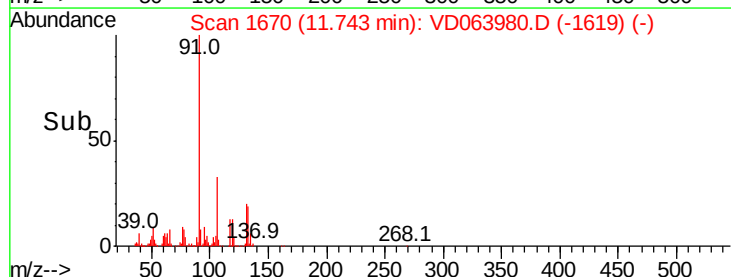
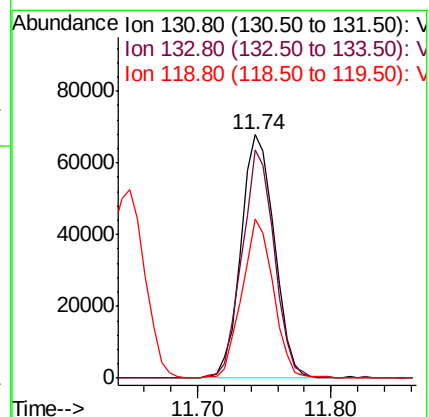
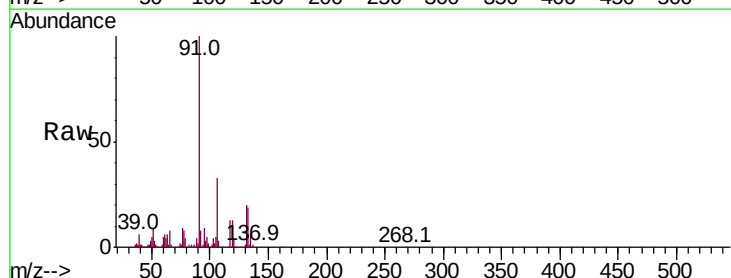
Tgt Ion:131 Resp: 116867

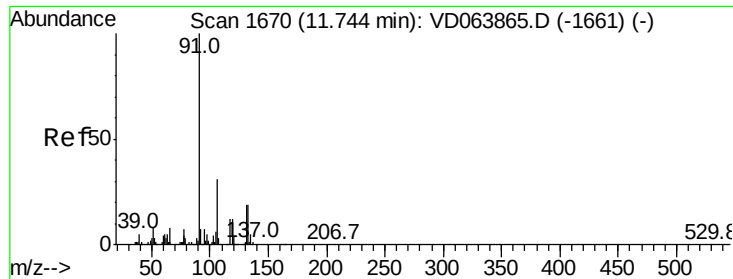
Ion Ratio Lower Upper

131 100

133 90.8 48.9 146.7

119 62.1 32.6 97.8





#67

Ethyl Benzene

Concen: 51.856 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

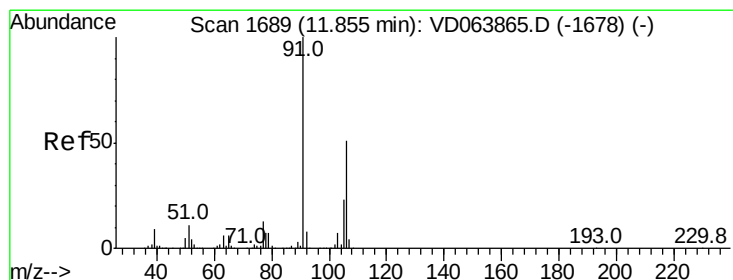
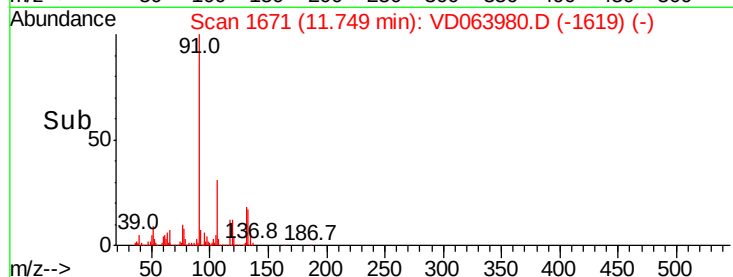
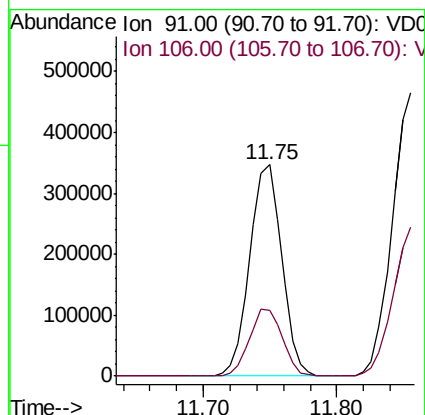
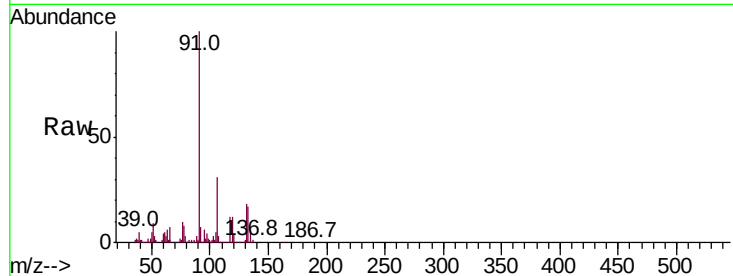
ClientSampleId :

Tot Ion: 91 Resp: 575423

Ion Ratio Lower Upper

91 100

106 31.2 24.6 37.0



#68

m/p-Xylenes

Concen: 104.433 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063980.D

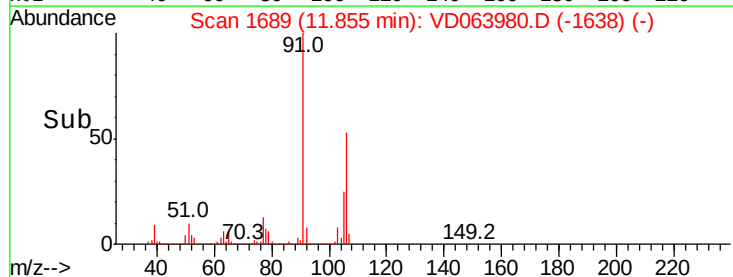
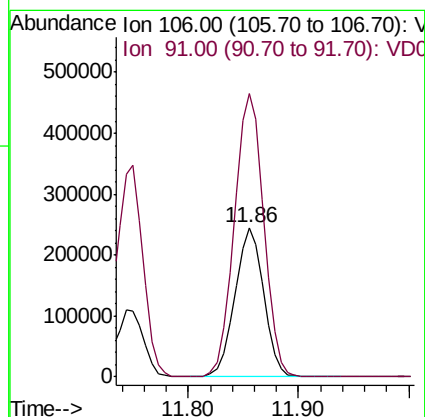
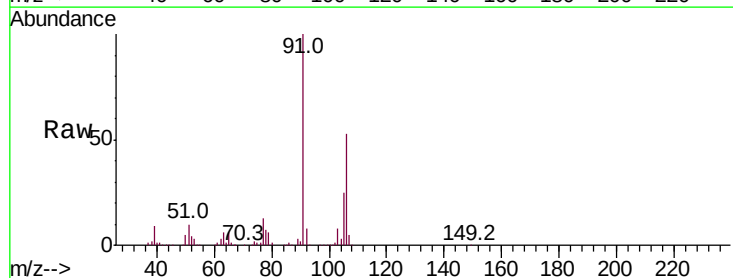
Acq: 16 Oct 2019 11:30

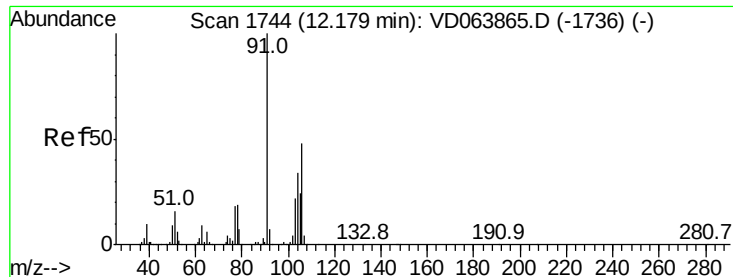
Tgt Ion: 106 Resp: 447287

Ion Ratio Lower Upper

106 100

91 194.4 154.8 232.2

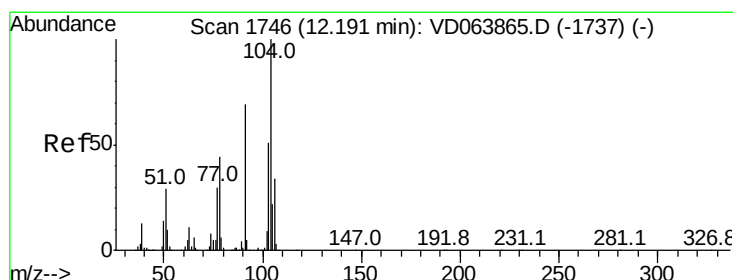
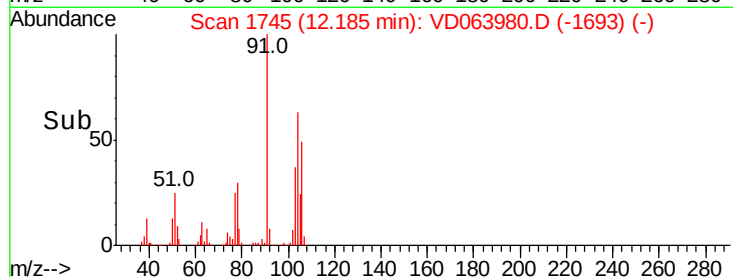
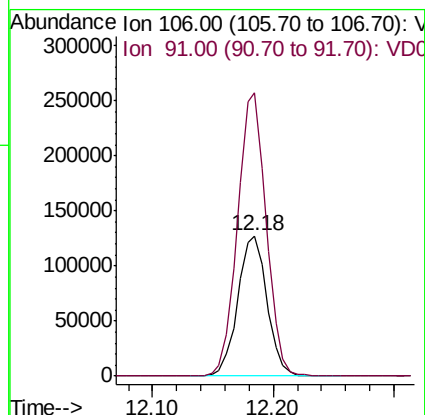
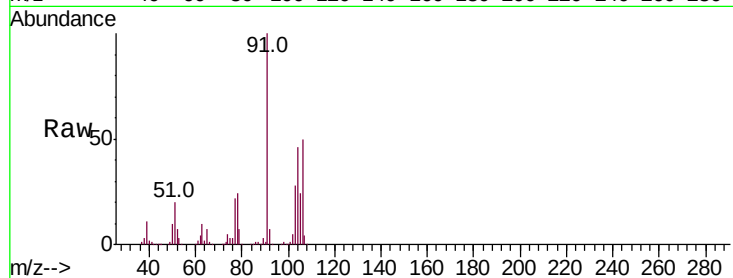




#69
o-Xylene
Concen: 52.293 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

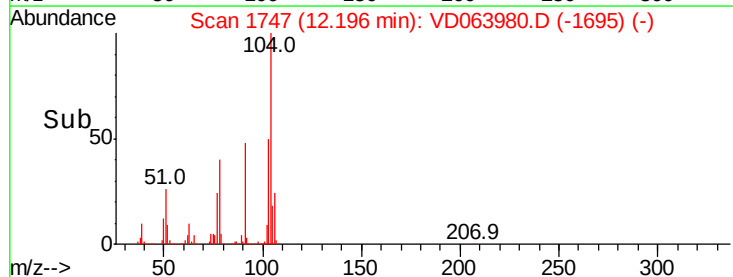
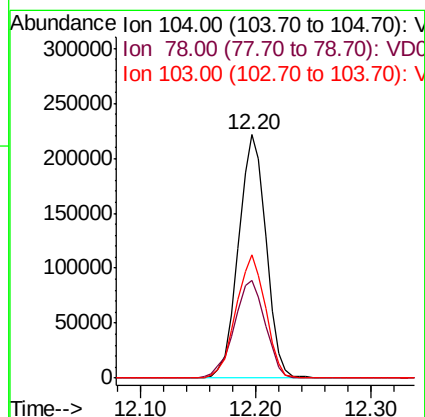
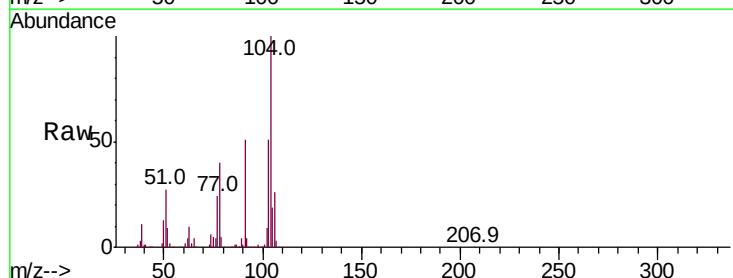
Instrument :
MSVOA_D
ClientSampled :

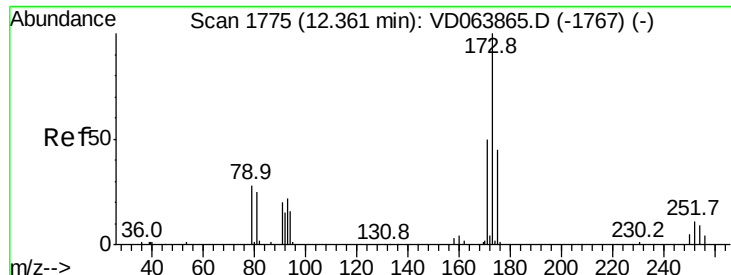
Tot Ion:106 Resp: 214462
Ion Ratio Lower Upper
106 100
91 198.2 103.9 311.7



#70
Styrene
Concen: 52.646 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion:104 Resp: 365506
Ion Ratio Lower Upper
104 100
78 45.2 37.0 55.4
103 54.4 44.2 66.4





#71

Bromoform

Concen: 50.846 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

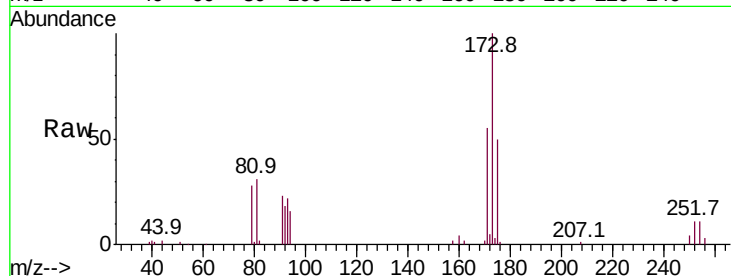
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:173 Resp: 61875

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.0	0.0	0.0

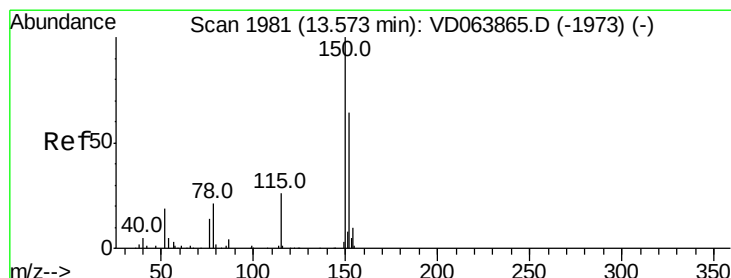
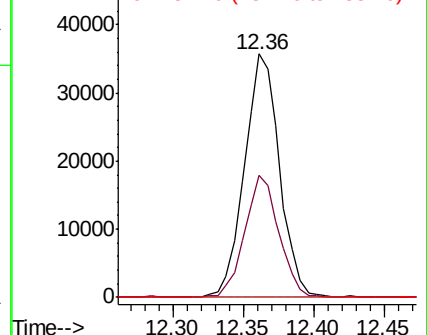
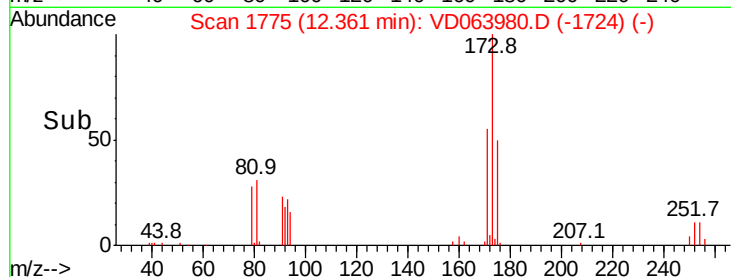


Abundance

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

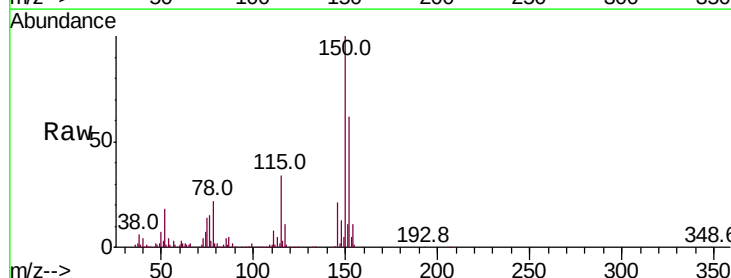
Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Tgt Ion:152 Resp: 169029

Ion	Ratio	Lower	Upper
152	100		
115	51.9	25.9	77.7
150	174.2	0.0	344.2

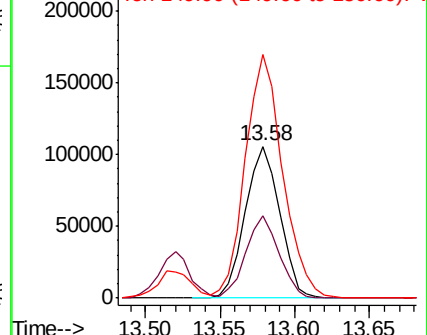
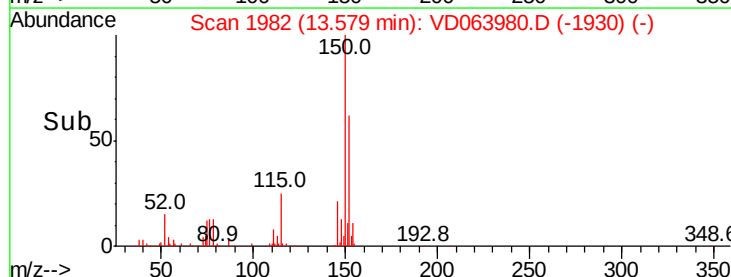


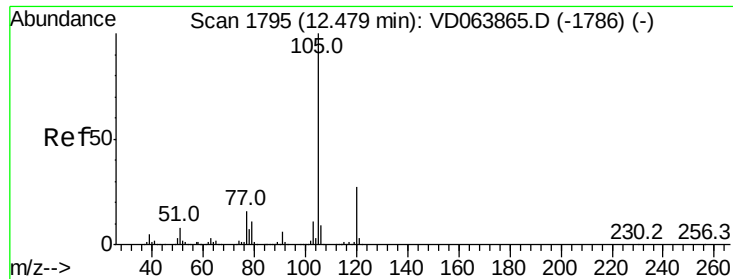
Abundance

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: 50.878 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

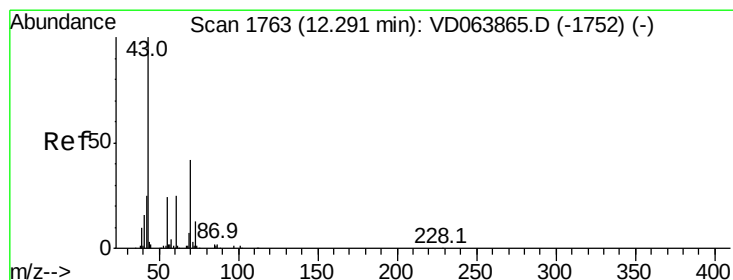
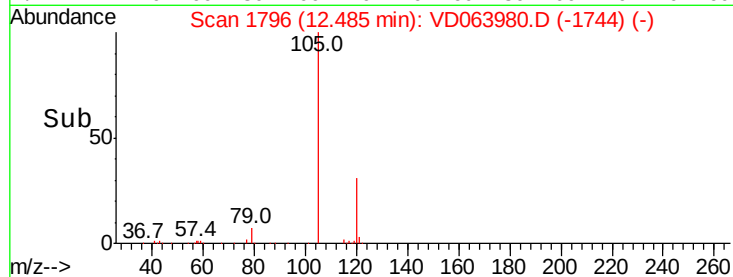
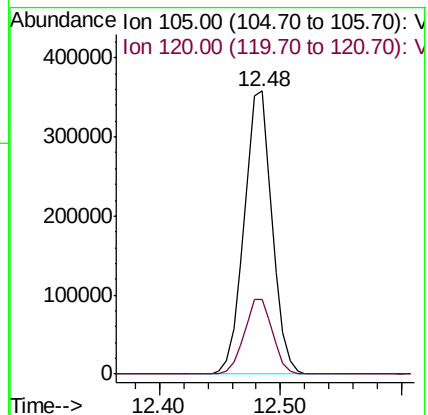
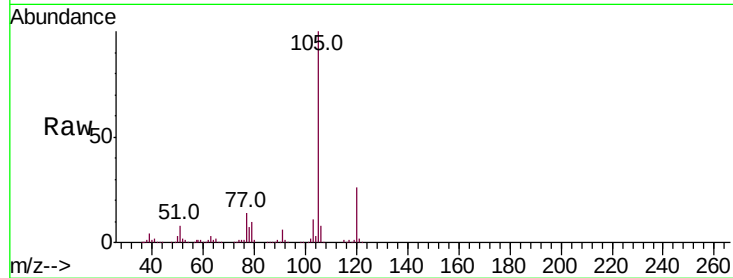
ClientSampleId :

Tot Ion:105 Resp: 578125

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8



#74

N-ethyl acetate

Concen: 43.409 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Tgt Ion: 43 Resp: 106199

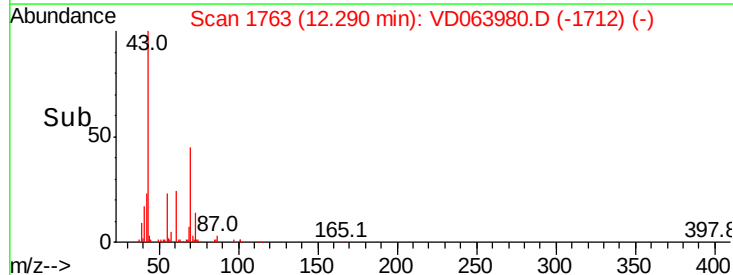
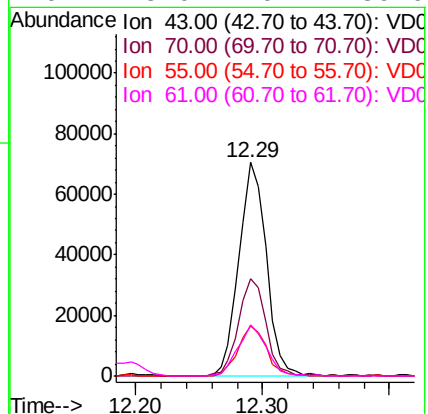
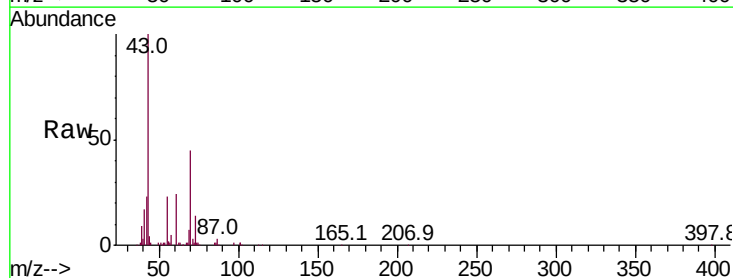
Ion Ratio Lower Upper

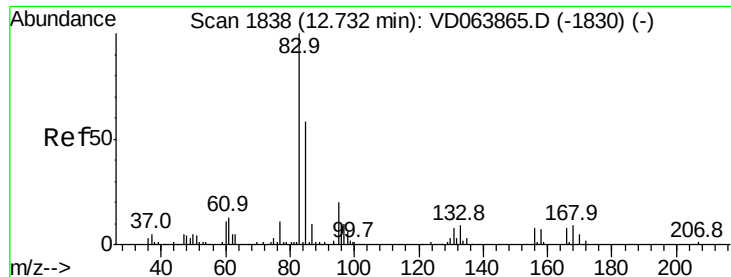
43 100

70 45.7 35.8 53.6

55 24.1 19.4 29.0

61 25.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.590 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

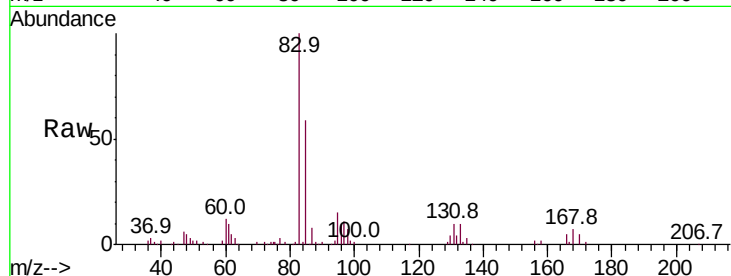
Tot Ion: 83 Resp: 92122

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

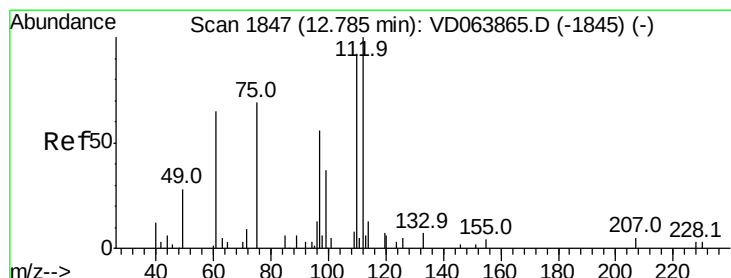
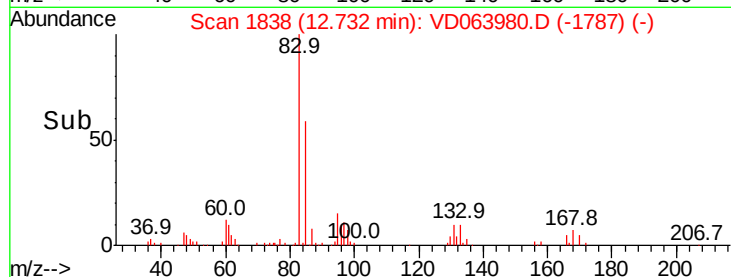
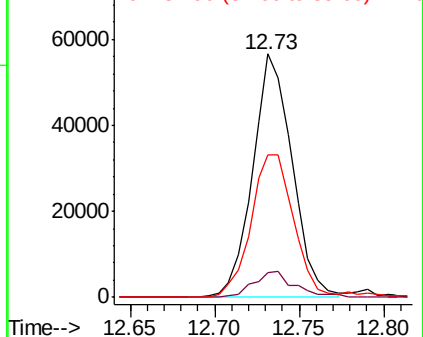
85 63.2 32.3 96.8



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: 101.636 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063980.D

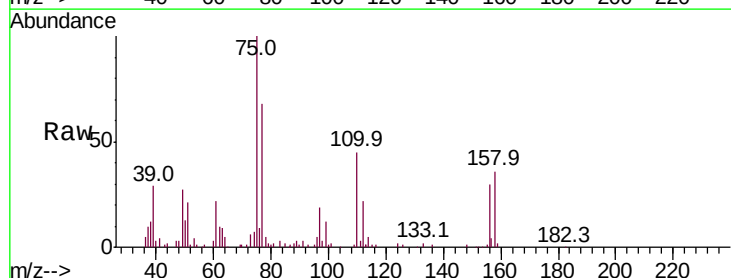
Acq: 16 Oct 2019 11:30

Tgt Ion: 75 Resp: 115063

Ion Ratio Lower Upper

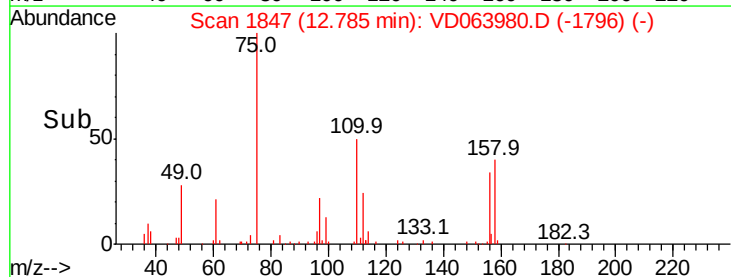
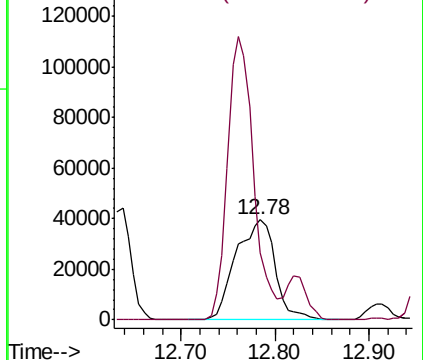
75 100

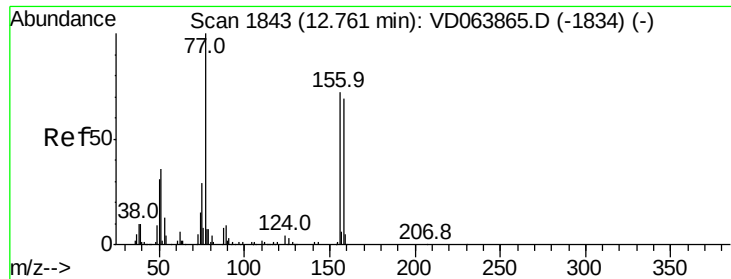
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.153 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampled :

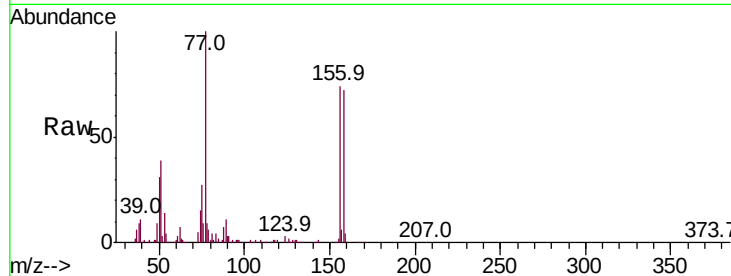
Tot Ion:156 Resp: 141983

Ion Ratio Lower Upper

156 100

77 152.2 80.3 241.0

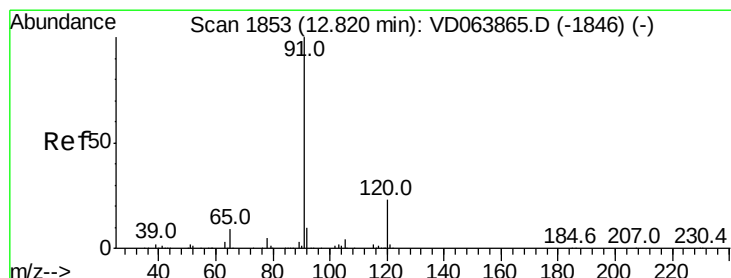
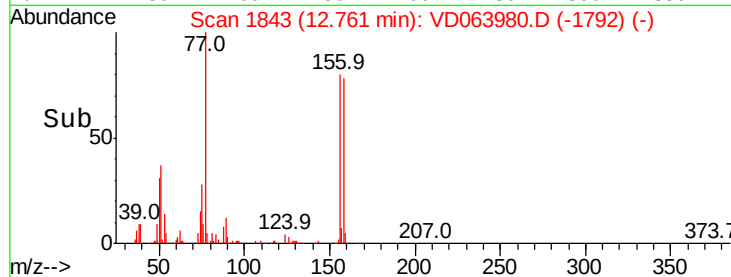
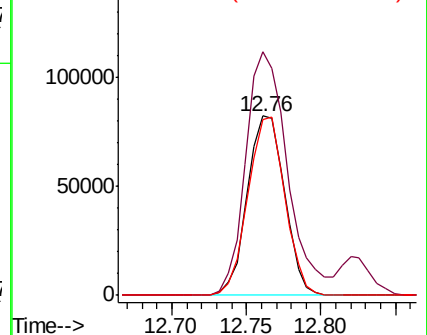
158 98.7 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.724 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD063980.D

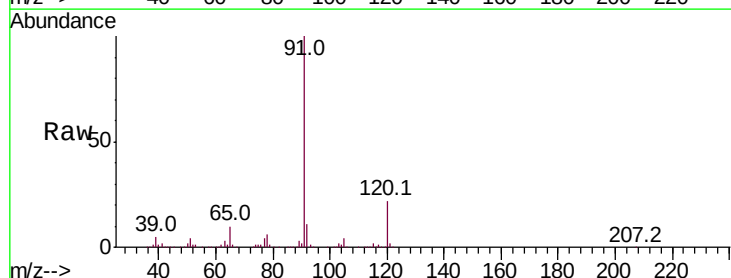
Acq: 16 Oct 2019 11:30

Tgt Ion: 91 Resp: 689881

Ion Ratio Lower Upper

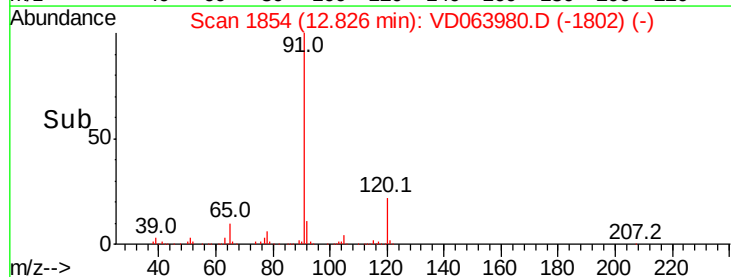
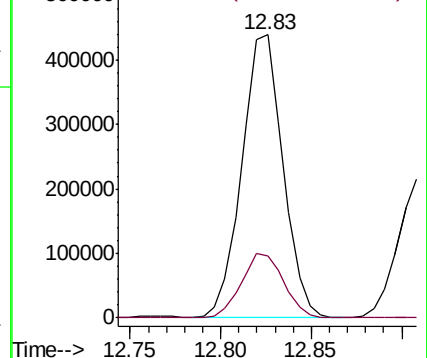
91 100

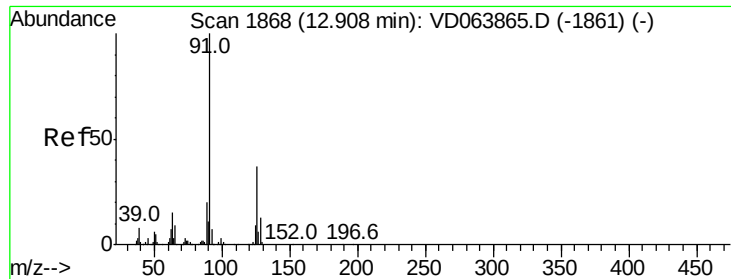
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

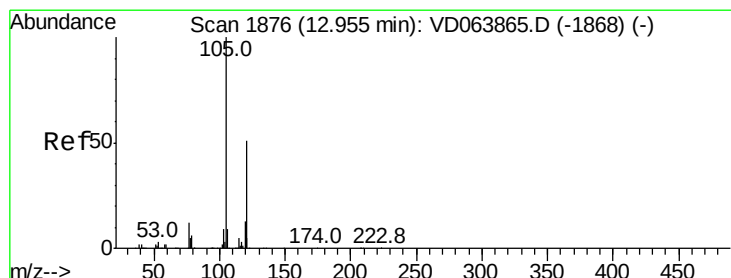
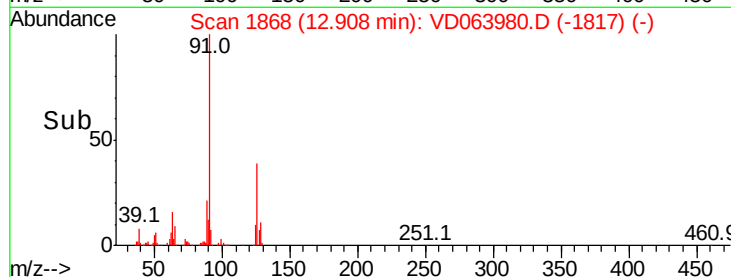
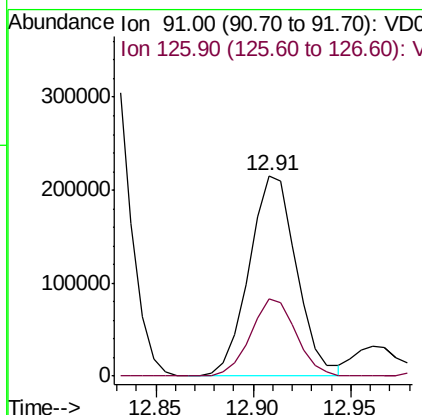
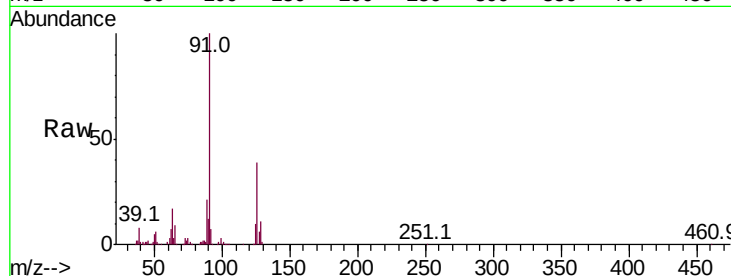




#79
2-Chlorotoluene
Concen: 49.121 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

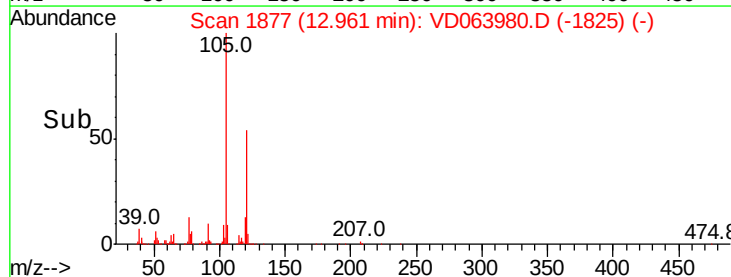
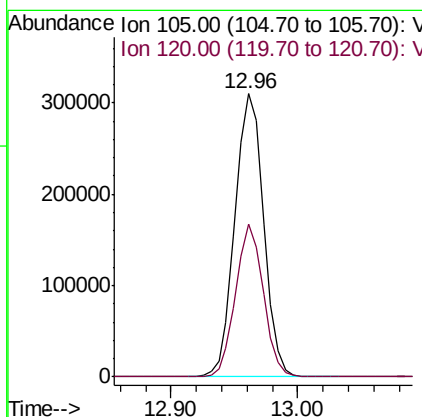
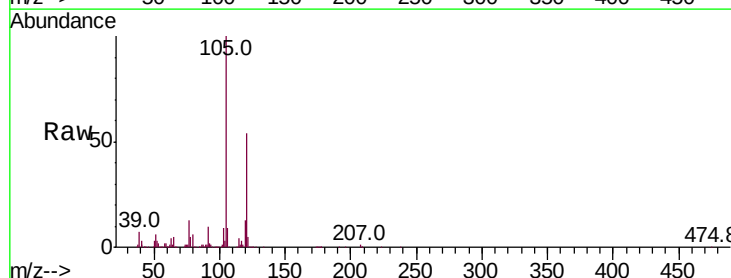
Instrument :
MSVOA_D
ClientSampleId :

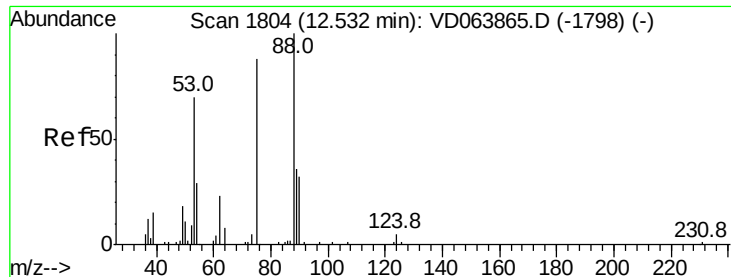
Tot Ion: 91 Resp: 361257
Ion Ratio Lower Upper
91 100
126 37.1 18.4 55.2



#80
1,3,5-Trimethylbenzene
Concen: 51.066 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion:105 Resp: 484098
Ion Ratio Lower Upper
105 100
120 52.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.093 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

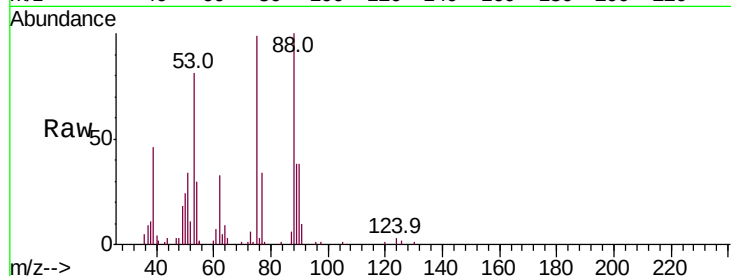
Tot Ion: 75 Resp: 29488

Ion Ratio Lower Upper

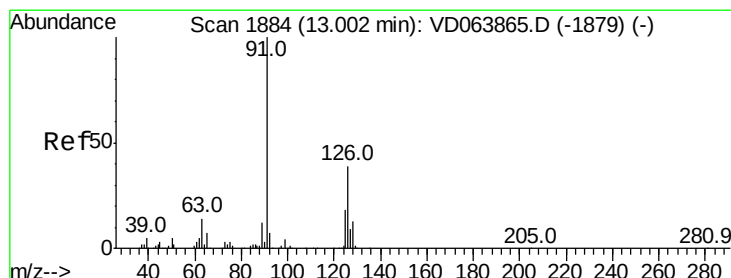
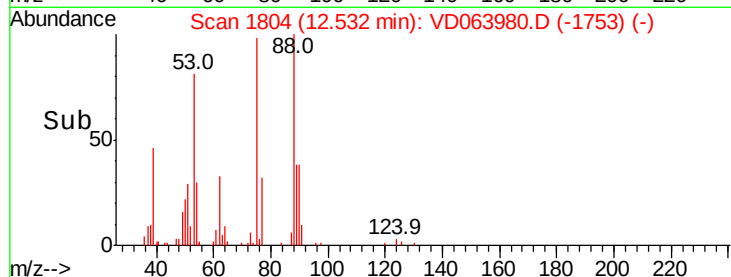
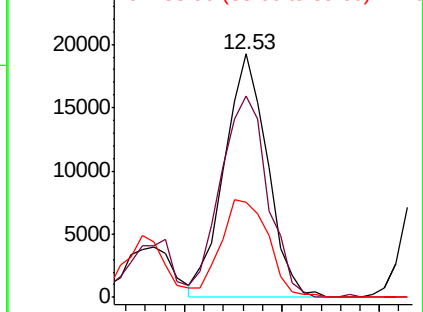
75 100

53 90.3 75.0 112.6

89 43.5 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.648 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063980.D

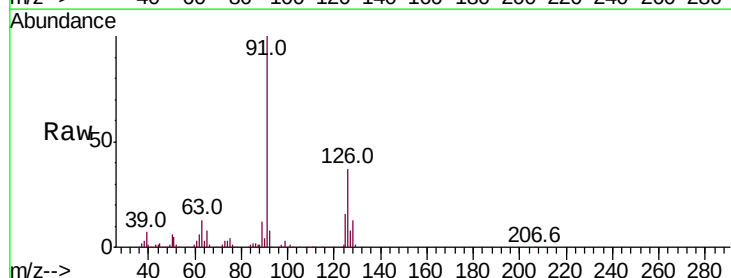
Acq: 16 Oct 2019 11:30

Tgt Ion: 91 Resp: 387335

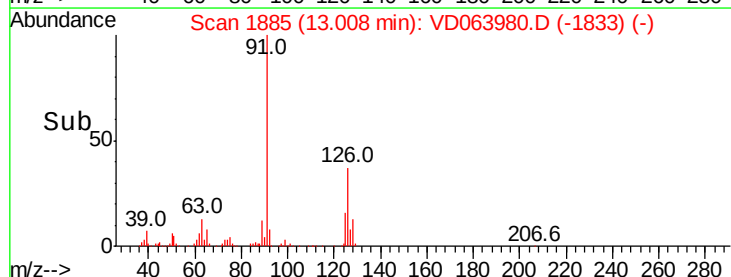
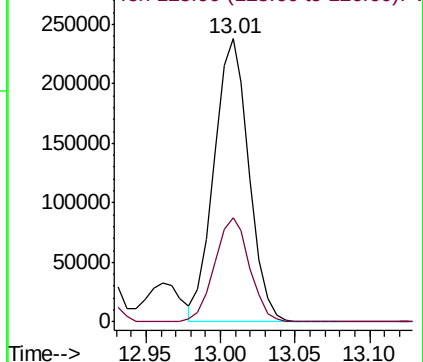
Ion Ratio Lower Upper

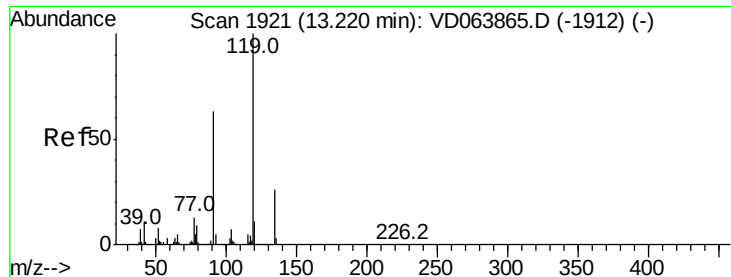
91 100

126 37.0 18.6 55.8



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





#83

tert-Butylbenzene

Concen: 50.249 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063980.D

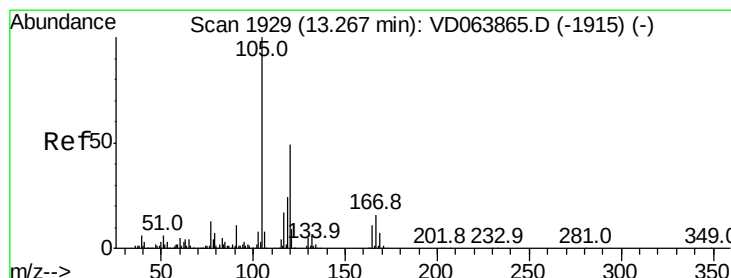
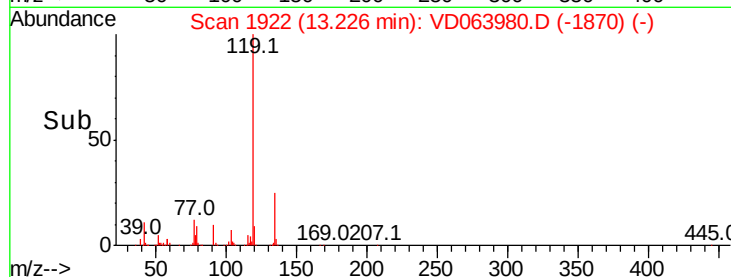
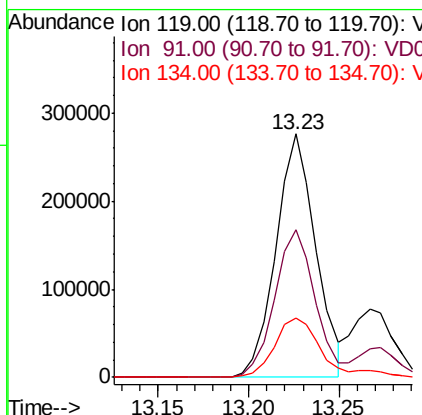
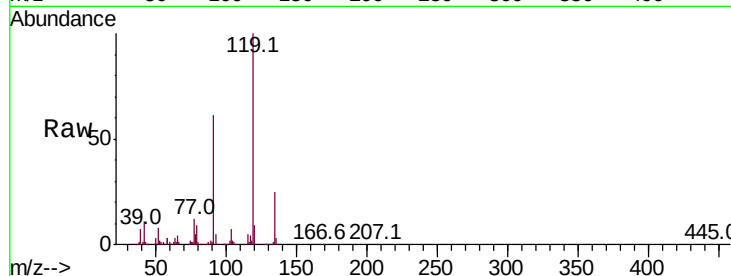
Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:119	Resp:	423947
Ion Ratio	Lower	Upper
119 100		
91 62.3	30.0	90.0
134 28.9	13.0	38.9



#84

1,2,4-Trimethylbenzene

Concen: 50.634 ug/l

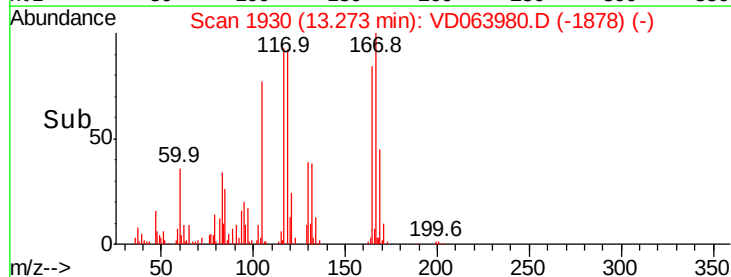
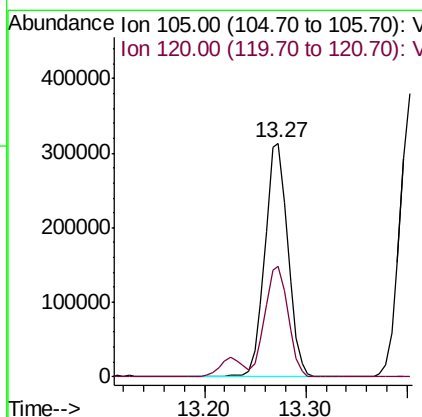
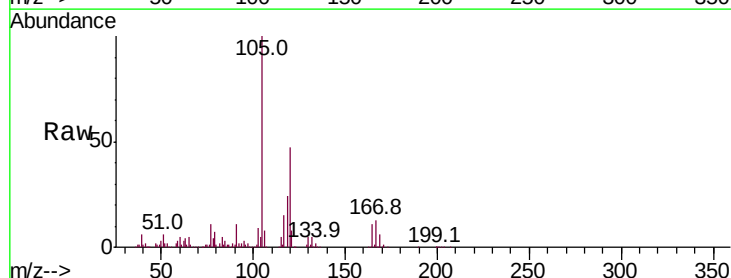
RT: 13.27 min Scan# 1930

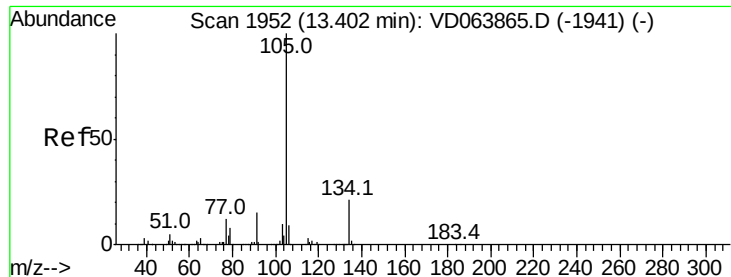
Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Tgt Ion:105	Resp:	494853
Ion Ratio	Lower	Upper
105 100		
120 47.6	23.8	71.5





#85

sec-Butylbenzene

Concen: 53.235 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

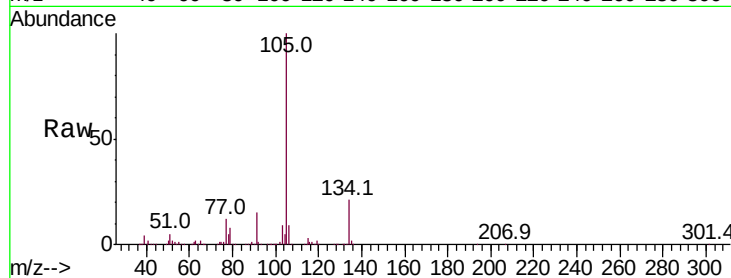
ClientSampled :

Tot Ion:105 Resp: 606548

Ion Ratio Lower Upper

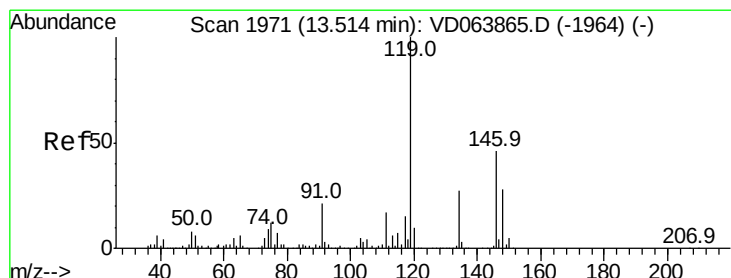
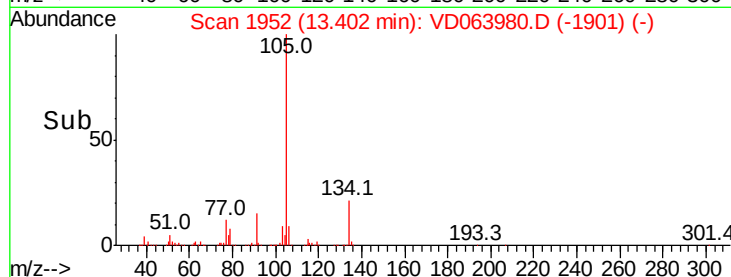
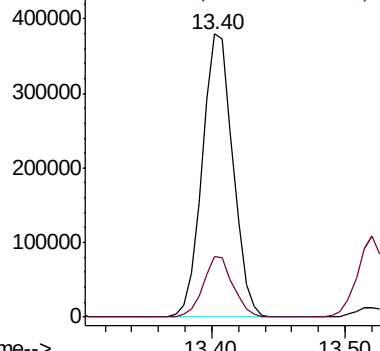
105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.447 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

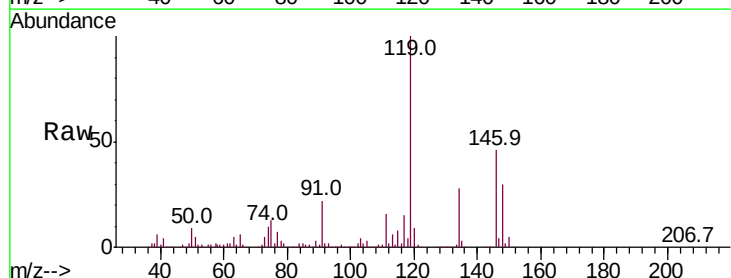
Tgt Ion:119 Resp: 576233

Ion Ratio Lower Upper

119 100

134 27.1 13.9 41.6

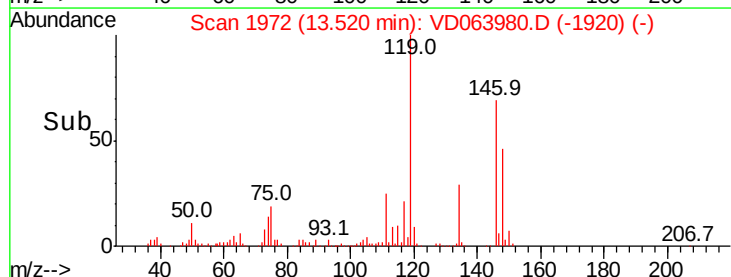
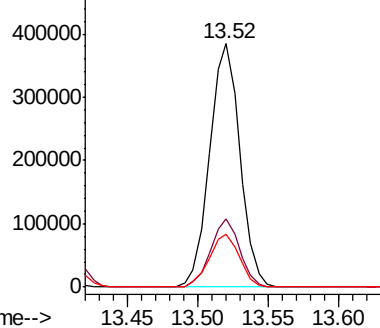
91 21.6 11.2 33.5

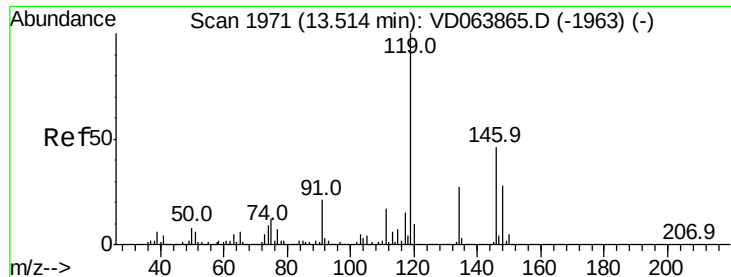


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.904 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

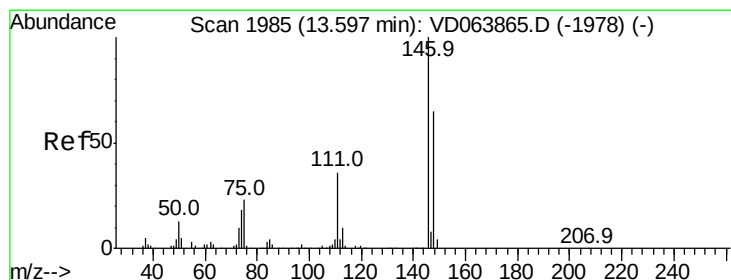
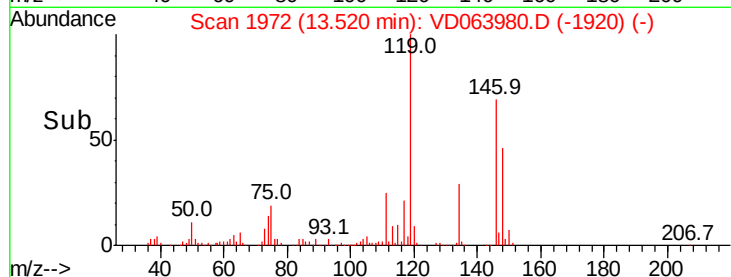
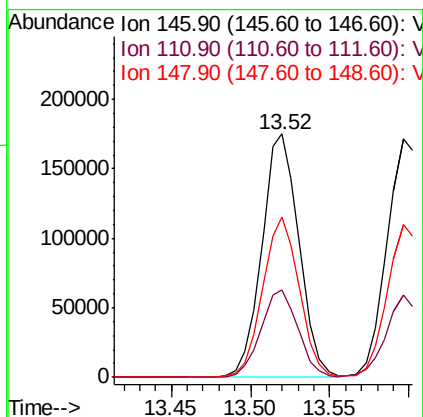
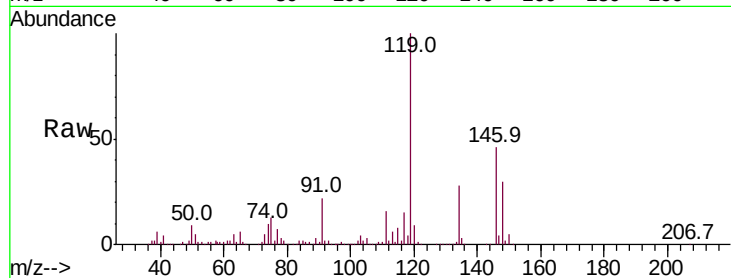
Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:146 Resp: 284742

Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.3	54.9
148	64.6	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 51.571 ug/l

RT: 13.60 min Scan# 1985

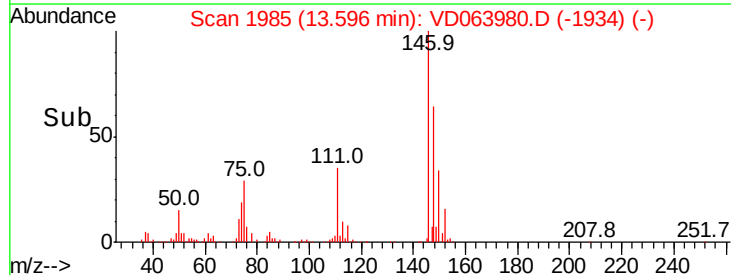
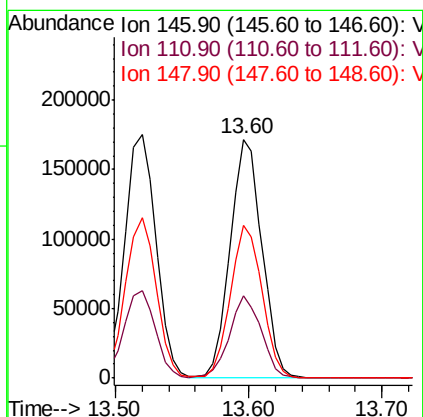
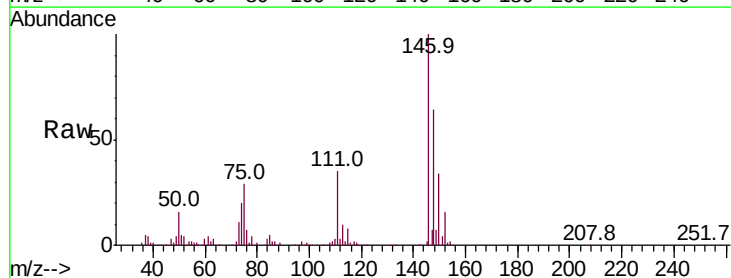
Delta R.T. -0.00 min

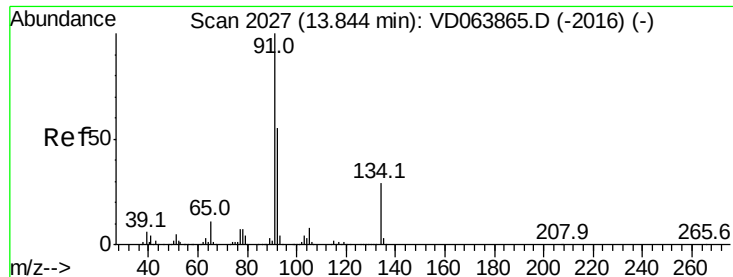
Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Tgt Ion:146 Resp: 284593

Ion	Ratio	Lower	Upper
146	100		
111	34.4	18.6	56.0
148	63.8	32.6	98.0

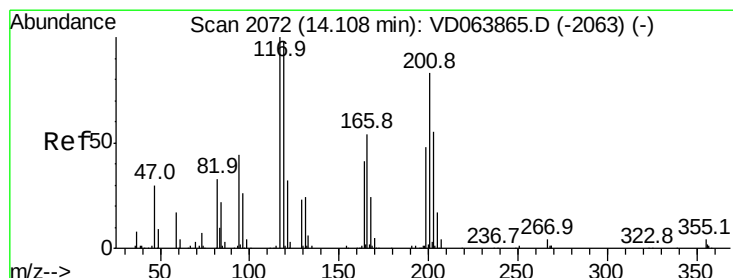
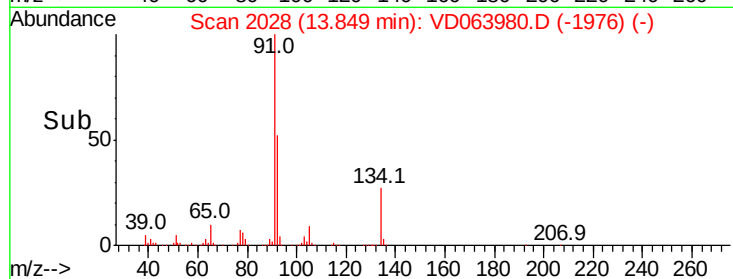
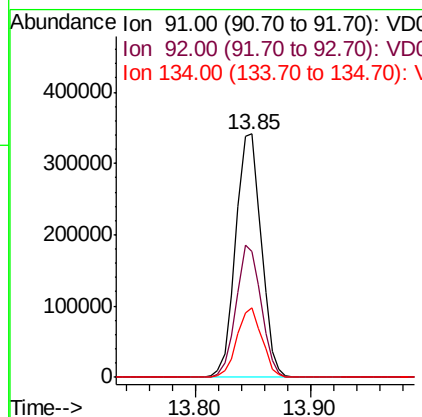
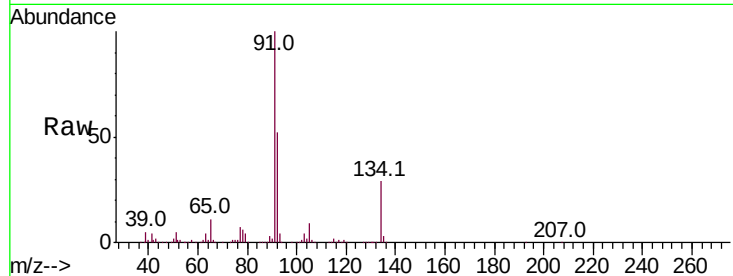




#89
n-Butylbenzene
Concen: 52.357 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

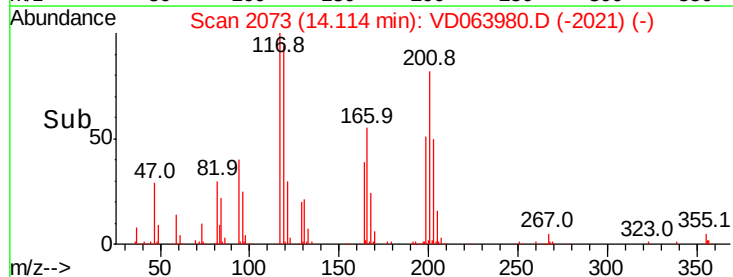
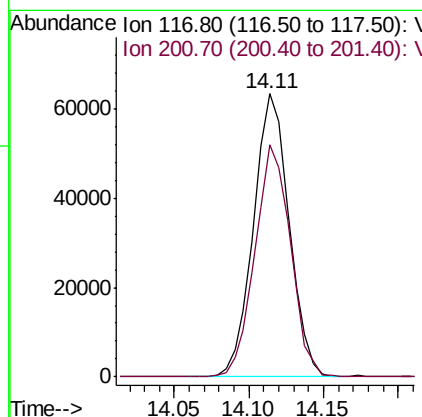
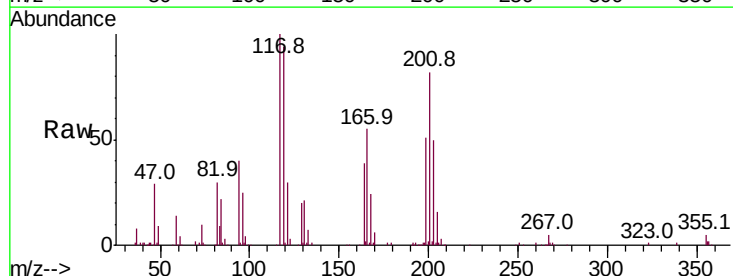
Instrument :
MSVOA_D
ClientSampled :

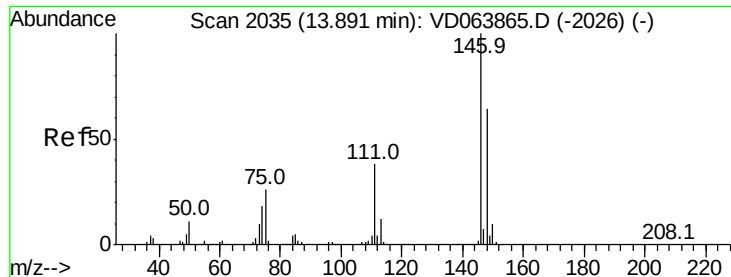
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	27.8	14.4	43.0



#90
Hexachloroethane
Concen: 53.940 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063980.D
Acq: 16 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.6	121.7

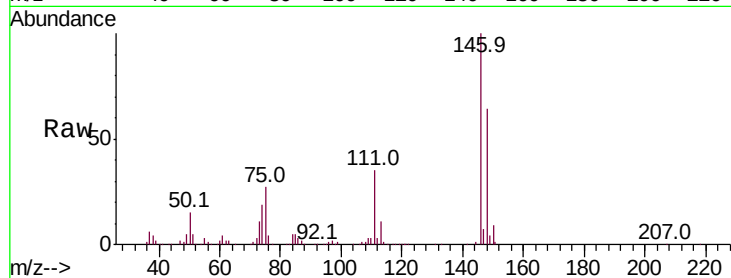




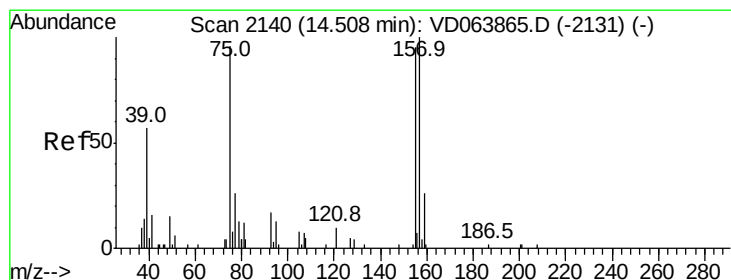
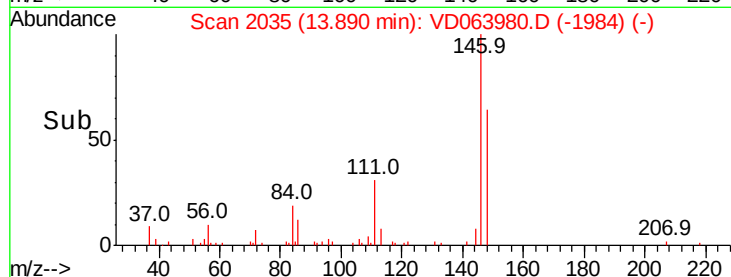
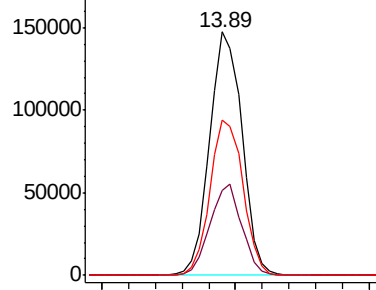
#91
 1,2-Dichlorobenzene
 Concen: 51.328 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.6
148	64.7	31.6	95.0

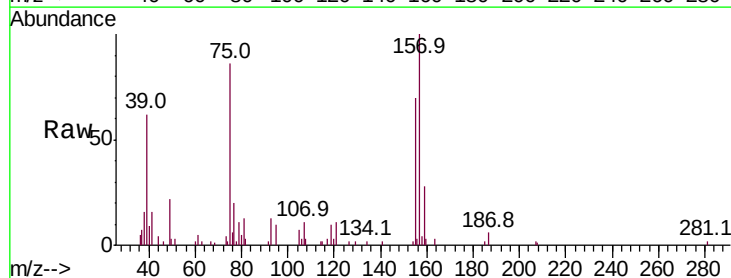


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

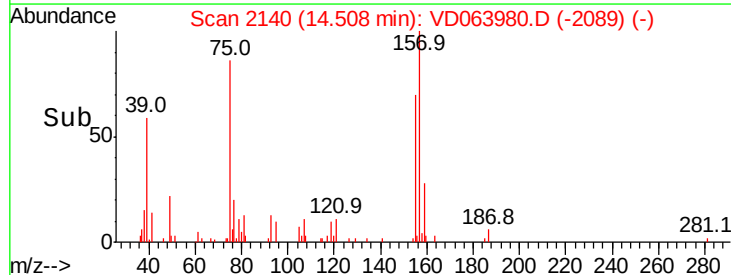
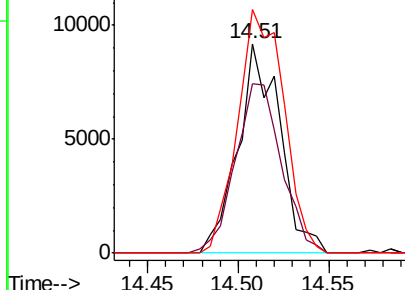


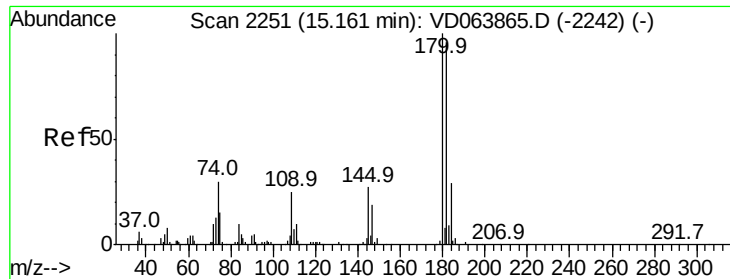
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.337 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	43.9	131.6
157	127.0	56.0	167.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

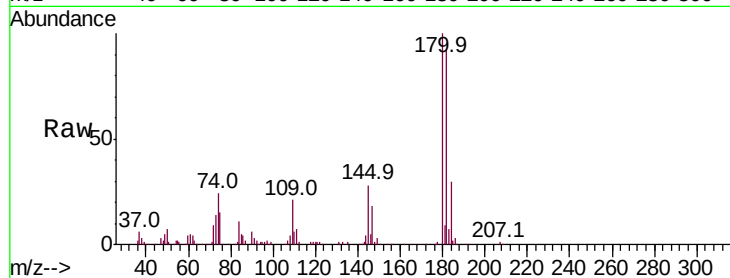




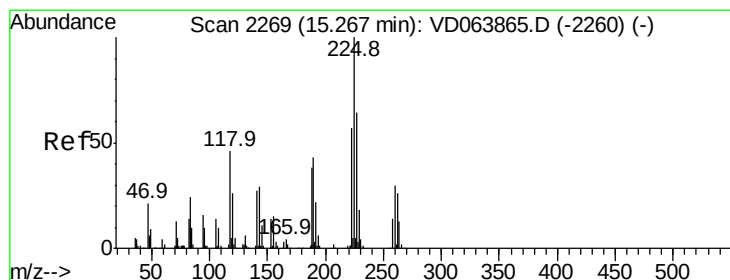
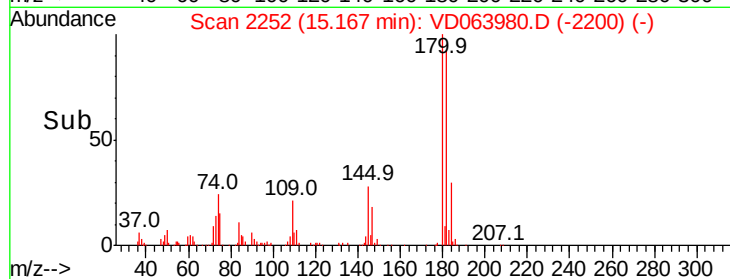
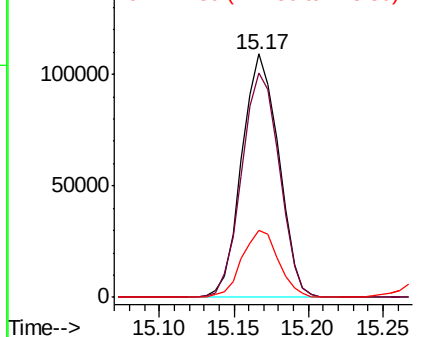
#93
 1,2,4-Trichlorobenzene
 Concen: 50.252 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.3
145	27.4	13.9	41.7

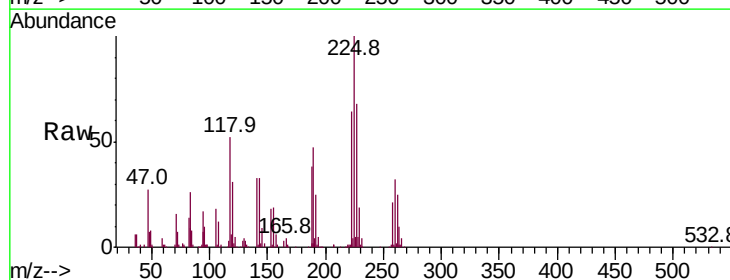


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

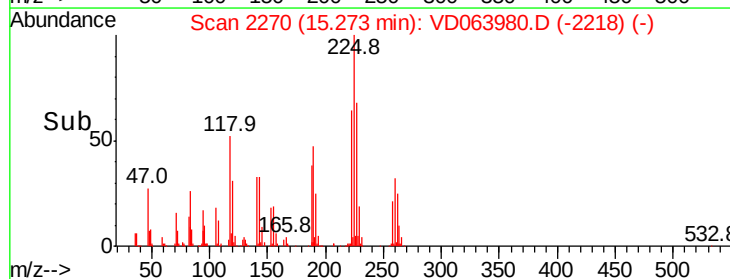
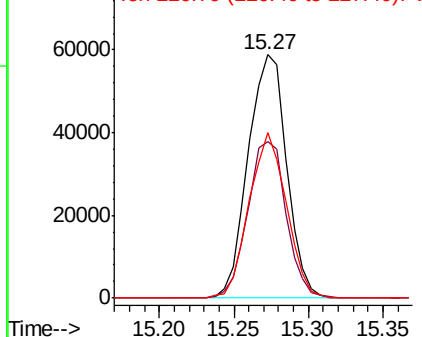


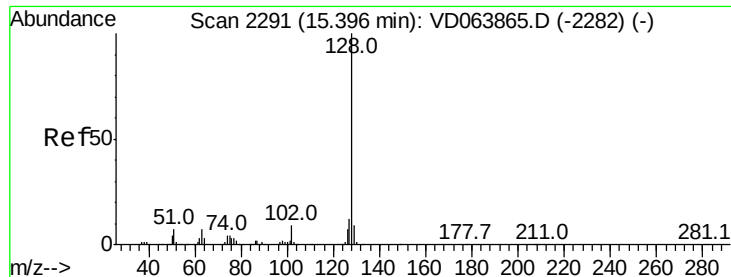
#94
 Hexachlorobutadiene
 Concen: 51.249 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063980.D
 Acq: 16 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	29.5	88.6
227	65.4	30.8	92.4



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: 49.281 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

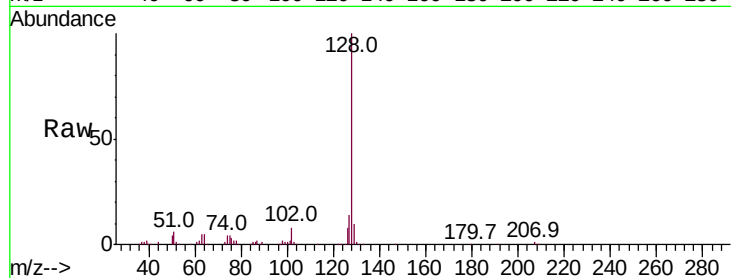
Tot Ion:128 Resp: 308091

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

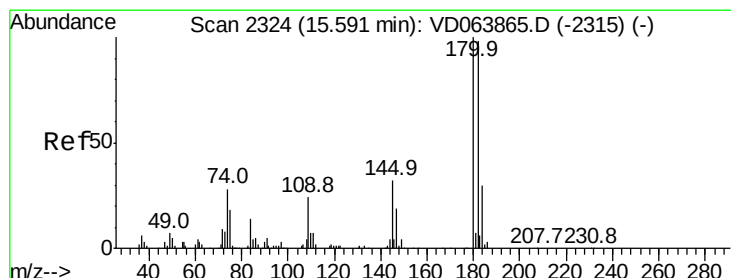
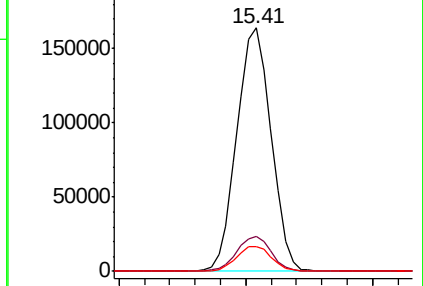
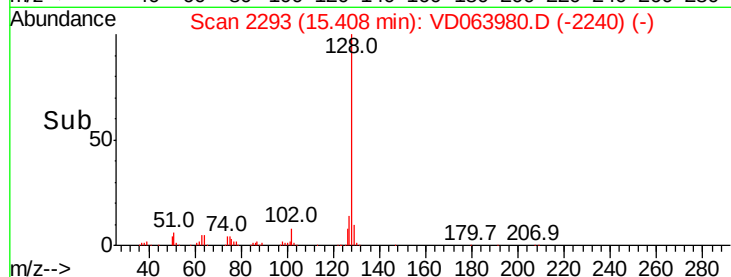
129 10.5 8.6 13.0



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: 49.739 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

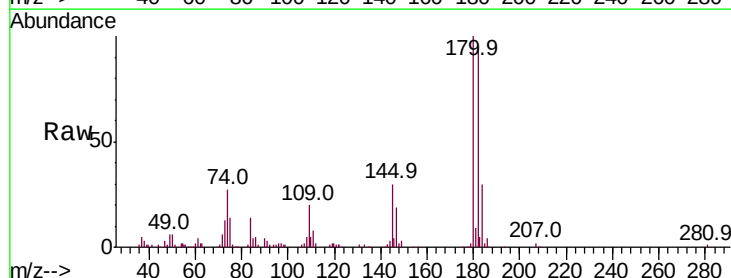
Tgt Ion:180 Resp: 159626

Ion Ratio Lower Upper

180 100

182 94.3 47.0 141.0

145 31.5 15.3 45.9



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

