

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063950.D
 Acq On : 14 Oct 2019 12:22
 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 14 17:06:03 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	187267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	291859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	294837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	91538	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.92	113	92634	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.34	98	391939	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.63	95	137142	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	57900	43.598	ug/l	88
3) Chloromethane	2.21	50	190262	53.329	ug/l	98
4) Vinyl Chloride	2.35	62	219881	51.227	ug/l	100
5) Bromomethane	2.77	94	126732	45.926	ug/l	93
6) Chloroethane	2.92	64	143652	50.606	ug/l	90
7) Trichlorofluoromethane	3.27	101	299812	52.830	ug/l	99
8) Diethyl Ether	3.71	74	43267	47.500	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78741	50.125	ug/l	96
10) Methyl Iodide	4.29	142	105525	48.751	ug/l	97
11) Tert butyl alcohol	5.25	59	25159	196.931	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	76840	48.960	ug/l	94
13) Acrolein	3.92	56	34754	213.430	ug/l	99
14) Allyl chloride	4.70	41	124054	47.543	ug/l	98
15) Acrylonitrile	5.43	53	97564	242.941	ug/l	97
16) Acetone	4.16	43	124459	262.199	ug/l	98
17) Carbon Disulfide	4.40	76	264906	46.433	ug/l #	94
18) Methyl Acetate	4.71	43	44247	47.659	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	199175	49.009	ug/l	99
20) Methylene Chloride	4.96	84	101490	48.070	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	99350	50.850	ug/l	98
22) Diisopropyl ether	6.37	45	272488	51.132	ug/l	98
23) Vinyl Acetate	6.31	43	798261	251.803	ug/l	99
24) 1,1-Dichloroethane	6.26	63	167053	50.892	ug/l	97
25) 2-Butanone	7.22	43	143036	254.268	ug/l	92
26) 2,2-Dichloropropane	7.21	77	147690	49.739	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	113738	51.432	ug/l	96
28) Bromochloromethane	7.55	49	72360	57.685	ug/l	99
29) Tetrahydrofuran	7.57	42	76121	231.833	ug/l	98
30) Chloroform	7.71	83	180107	50.519	ug/l	96
31) Cyclohexane	7.98	56	151166	56.196	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	163601	53.495	ug/l	97
36) 1,1-Dichloropropene	8.11	75	141006	52.840	ug/l	97
37) Ethyl Acetate	7.30	43	53218	49.711	ug/l #	94
38) Carbon Tetrachloride	8.10	117	145749	54.048	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172419	52.549	ug/l	92
40) Benzene	8.35	78	408843	53.463	ug/l	99
41) Methacrylonitrile	7.53	41	30519	49.328	ug/l	93
42) 1,2-Dichloroethane	8.43	62	111632	50.465	ug/l	100
43) Isopropyl Acetate	8.46	43	106246	47.475	ug/l	99
44) Trichloroethene	9.11	130	115324	52.297	ug/l	99
45) 1,2-Dichloropropane	9.39	63	98376	52.557	ug/l	97
46) Dibromomethane	9.47	93	57154	53.615	ug/l	100
47) Bromodichloromethane	9.67	83	142941	52.082	ug/l #	93
48) Methyl methacrylate	9.46	41	48501	45.232	ug/l	92
49) 1,4-Dioxane	9.47	88	15739	1081.656	ug/l	87
51) 4-Methyl-2-Pentanone	10.23	43	282199	243.141	ug/l	98
52) Toluene	10.41	92	281154	53.556	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	139043	51.917	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	164304	53.296	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	80643	53.578	ug/l	93
56) Ethyl methacrylate	10.67	69	95690	50.203	ug/l	98
57) 1,3-Dichloropropane	10.95	76	135426	52.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	204746	249.906	ug/l	99
59) 2-Hexanone	10.99	43	210907	251.207	ug/l	99
60) Dibromochloromethane	11.14	129	104656	53.408	ug/l	97
61) 1,2-Dibromoethane	11.25	107	79144	54.239	ug/l	99
64) Tetrachloroethene	10.87	164	107240	53.279	ug/l	91
65) Chlorobenzene	11.67	112	321303	54.264	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	119138	54.605	ug/l	96
67) Ethyl Benzene	11.75	91	566256	53.036	ug/l	95
68) m/p-Xylenes	11.86	106	450304	109.269	ug/l	100
69) o-Xylene	12.18	106	208309	52.789	ug/l	97
70) Styrene	12.20	104	360965	54.035	ug/l	100
71) Bromoform	12.36	173	64944	55.465	ug/l #	98
73) Isopropylbenzene	12.48	105	575324	50.782	ug/l	98
74) N-amyl acetate	12.29	43	111093	45.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	90297	45.802	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	118962	105.392	ug/l #	100
77) Bromobenzene	12.76	156	141449	50.113	ug/l	97
78) n-propylbenzene	12.82	91	670102	50.390	ug/l	99
79) 2-Chlorotoluene	12.91	91	359136	48.978	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	484116	51.220	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30288	47.484	ug/l	98
82) 4-Chlorotoluene	13.01	91	382600	49.187	ug/l	99
83) tert-Butylbenzene	13.23	119	425134	50.540	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	496243	50.928	ug/l	100
85) sec-Butylbenzene	13.40	105	597435	52.591	ug/l	100
86) p-Isopropyltoluene	13.52	119	566985	52.745	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	283976	50.917	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	282082	51.268	ug/l	97
89) n-Butylbenzene	13.84	91	517933	51.762	ug/l	98
90) Hexachloroethane	14.11	117	100094	51.772	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	245712	51.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14560	47.407	ug/l	77

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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

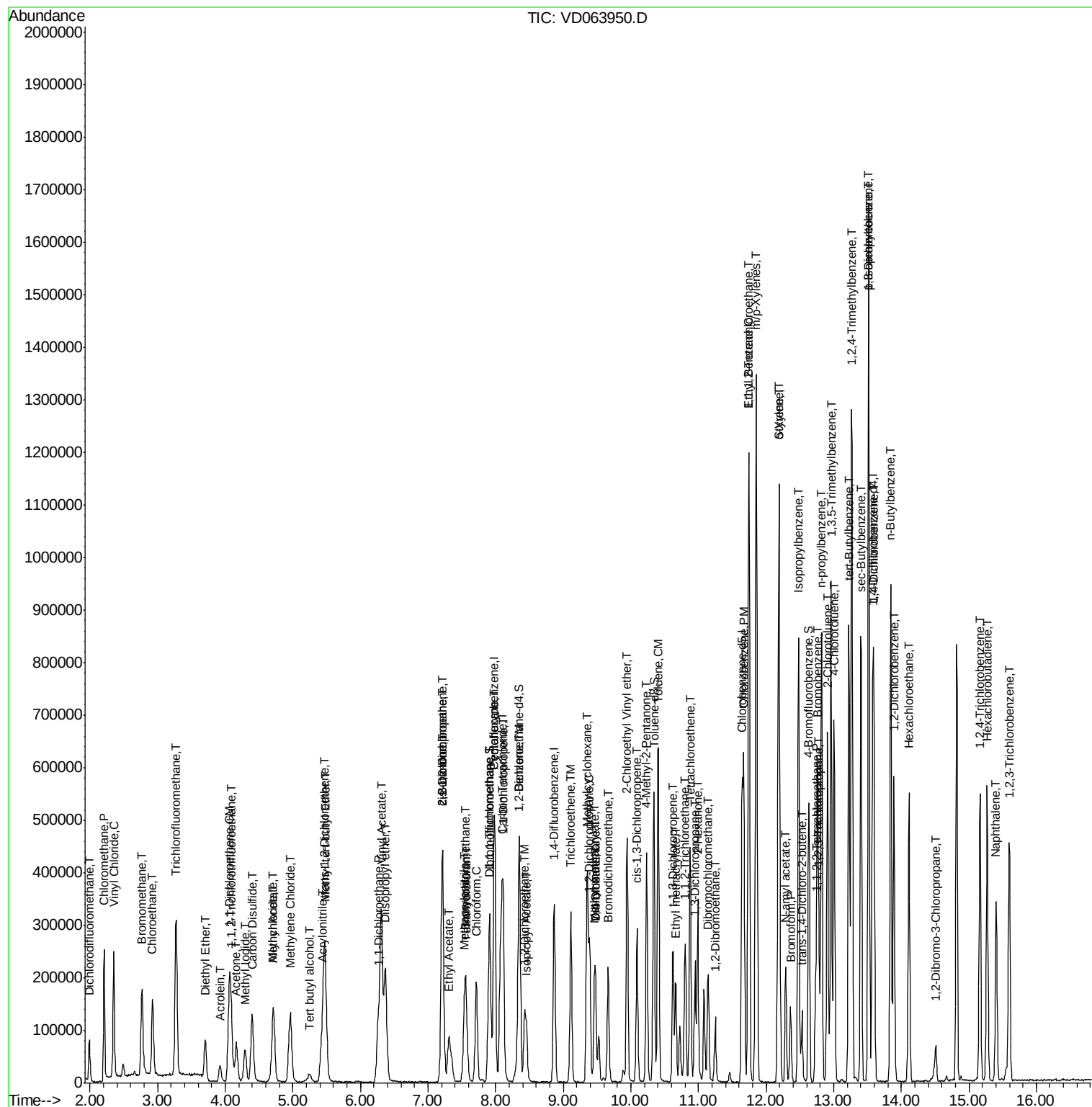
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	188436	50.811	ug/l	98
94) Hexachlorobutadiene	15.27	225	107480	52.518	ug/l	98
95) Naphthalene	15.41	128	315957	50.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	161339	50.423	ug/l	99

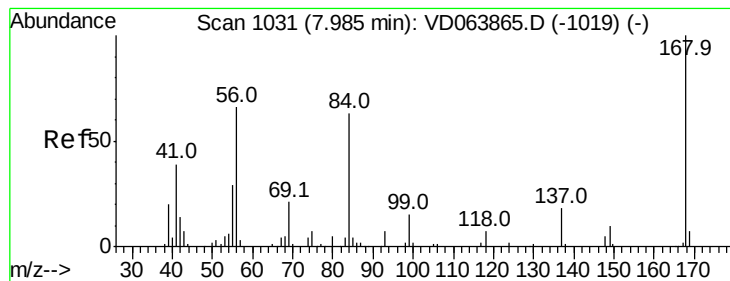
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

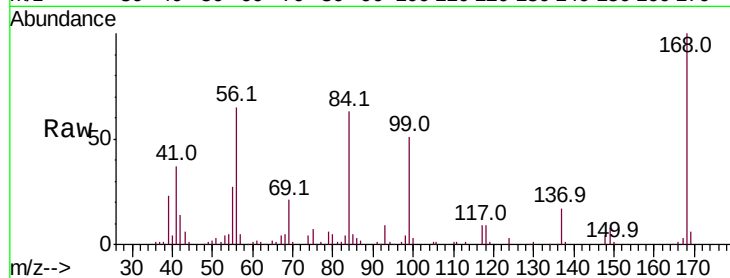
ClientSampleId :

Tot Ion:168 Resp: 187267

Ion Ratio Lower Upper

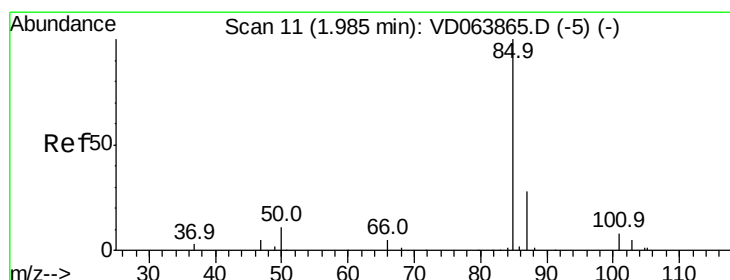
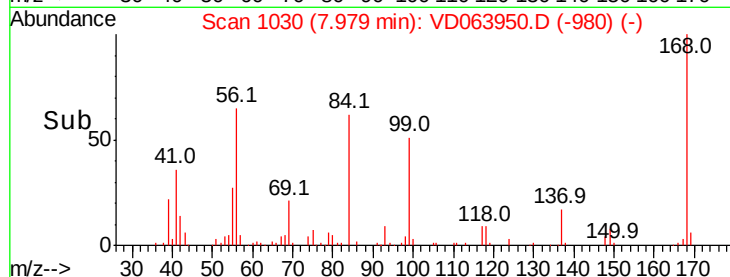
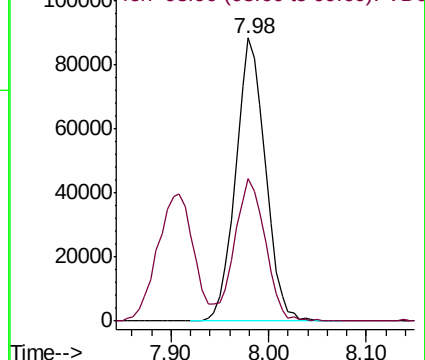
168 100

99 50.6 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: 43.598 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063950.D

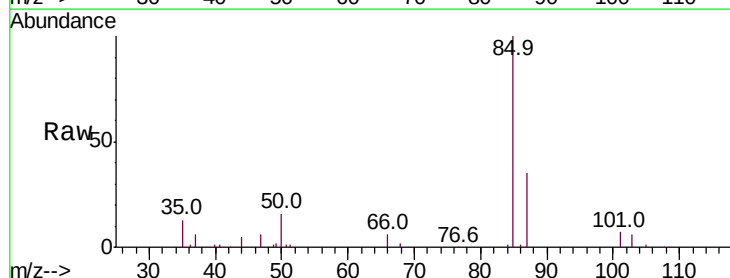
Acq: 14 Oct 2019 12:22

Tgt Ion: 85 Resp: 57900

Ion Ratio Lower Upper

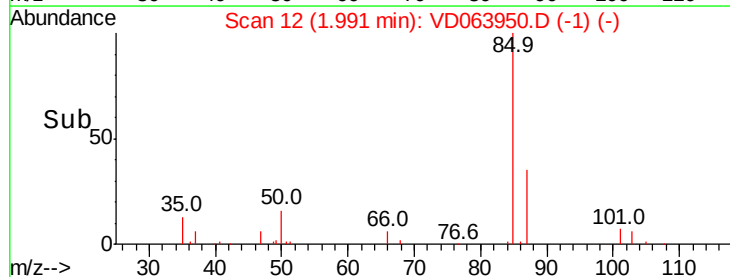
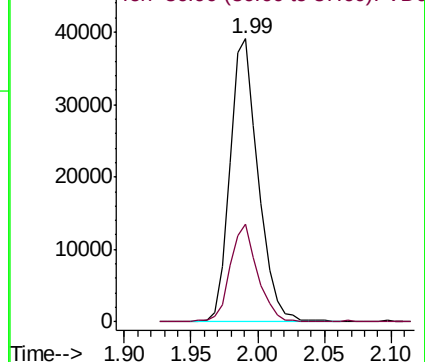
85 100

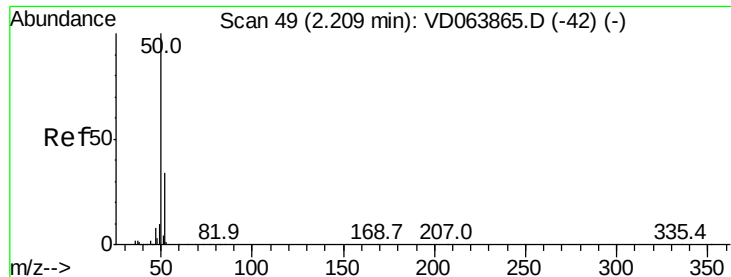
87 34.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

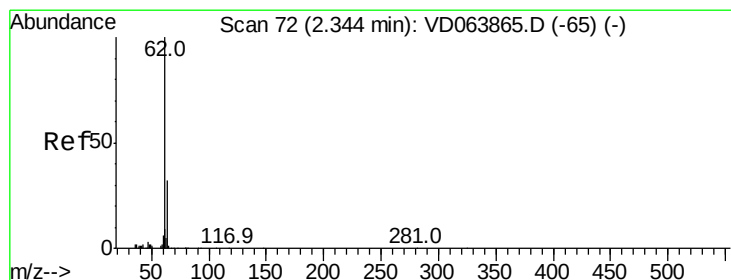
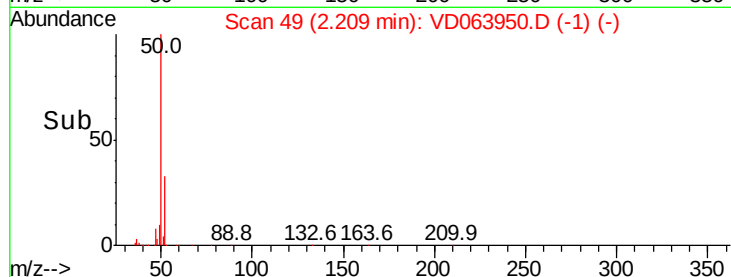
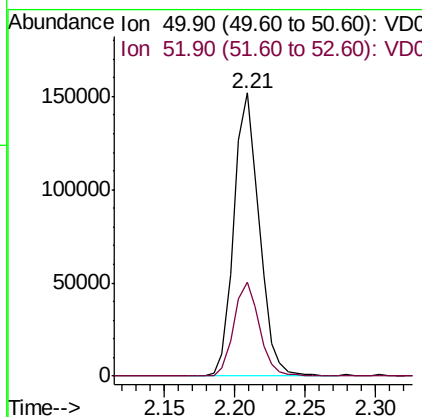
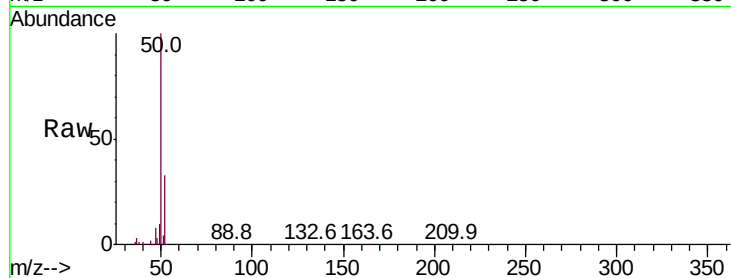




#3
Chloromethane
Concen: 53.329 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

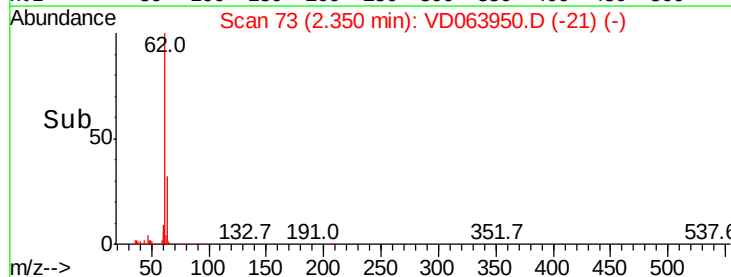
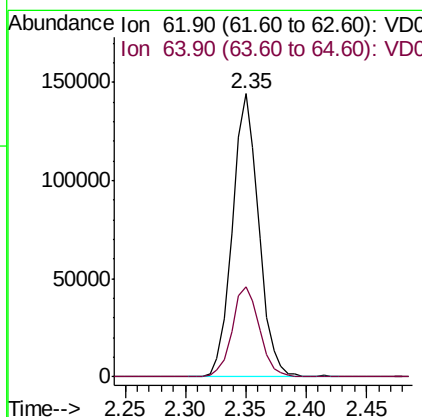
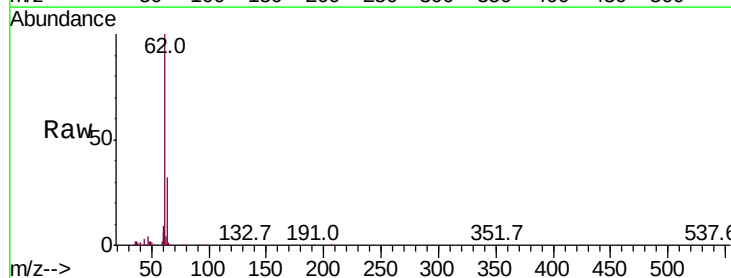
Instrument :
MSVOA_D
ClientSampleId :

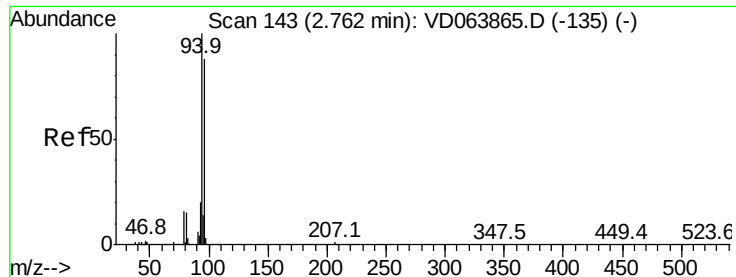
Tot Ion: 50 Resp: 190262
Ion Ratio Lower Upper
50 100
52 33.1 27.5 41.3



#4
Vinyl Chloride
Concen: 51.227 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 62 Resp: 219881
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





#5

Bromomethane

Concen: 45.926 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

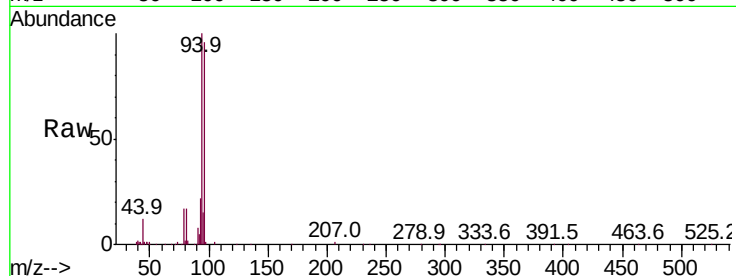
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 126732

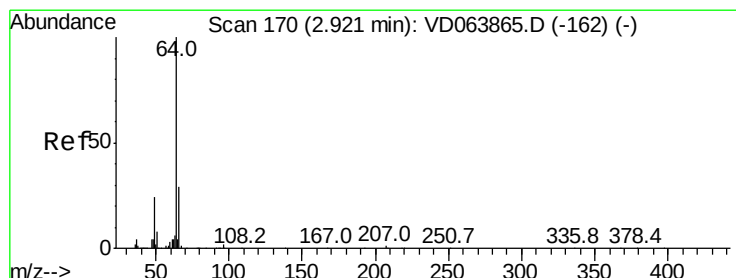
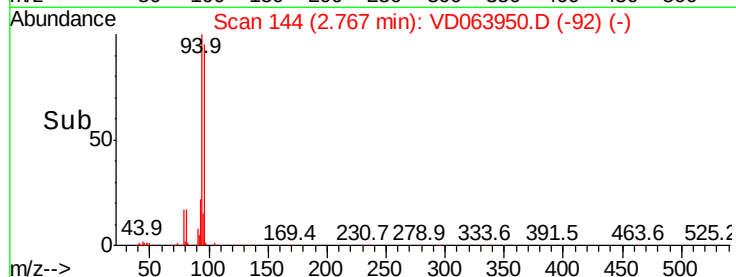
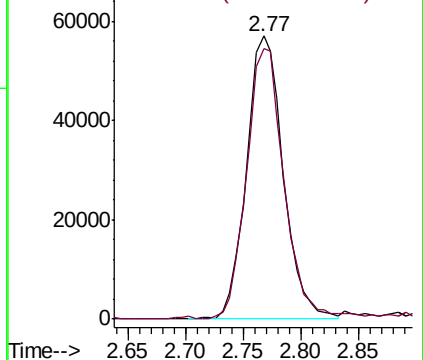
Ion Ratio Lower Upper

94 100

96 94.7 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.606 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063950.D

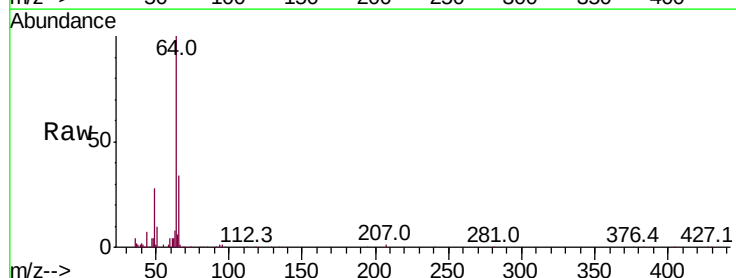
Acq: 14 Oct 2019 12:22

Tgt Ion: 64 Resp: 143652

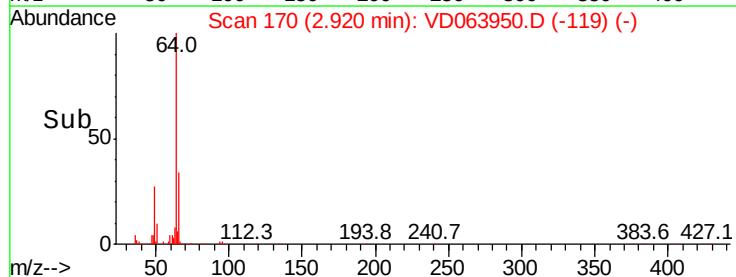
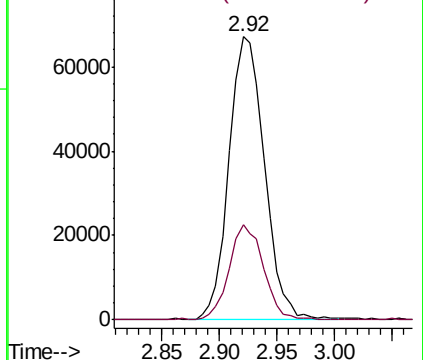
Ion Ratio Lower Upper

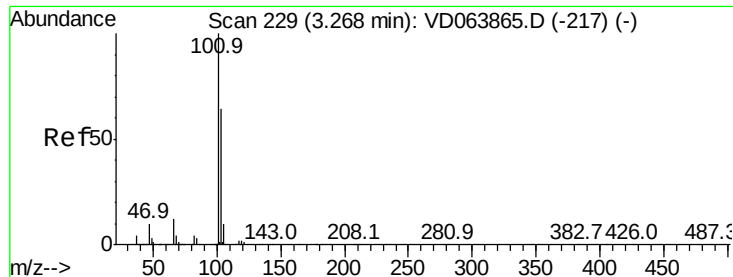
64 100

66 33.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



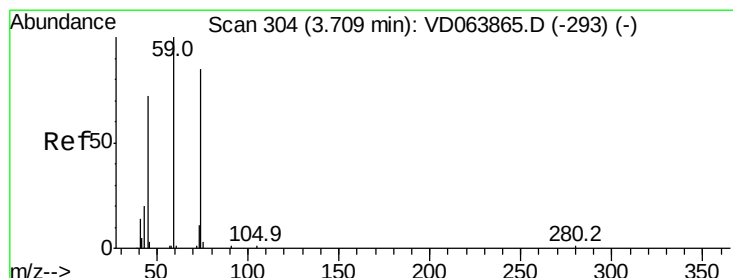
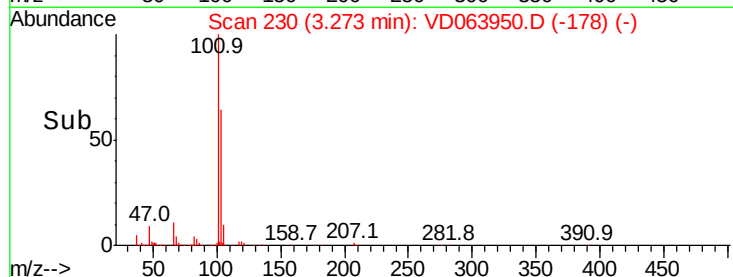
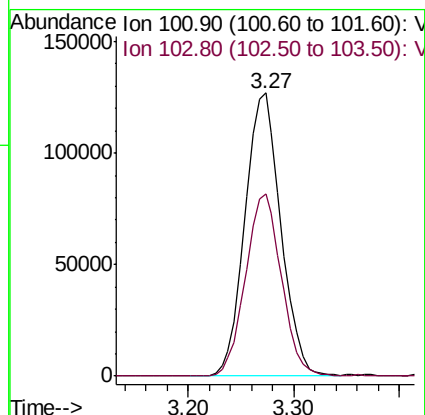
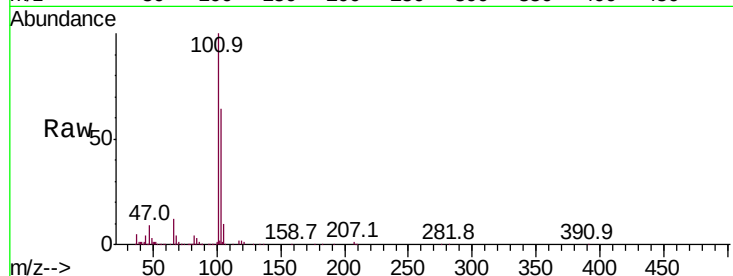


#7

Trichlorofluoromethane
Concen: 52.830 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :

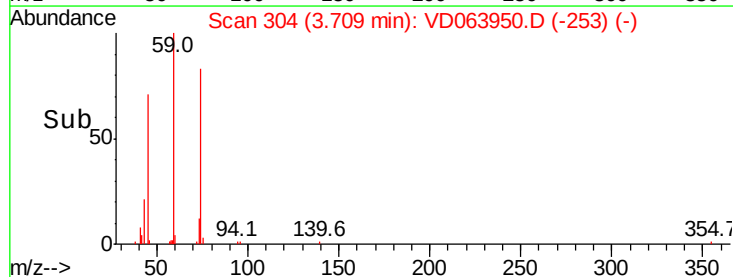
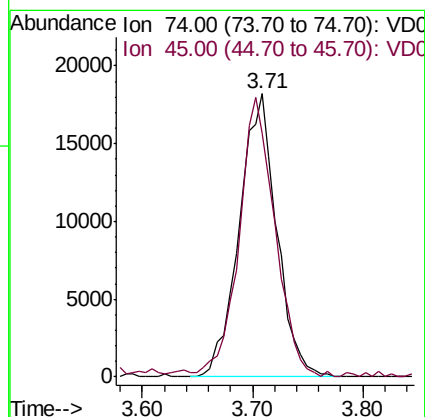
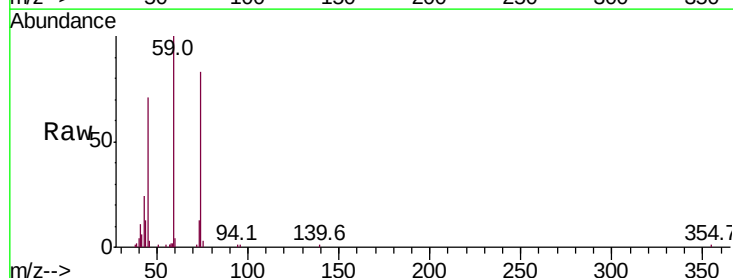
Tot Ion:101 Resp: 299812
Ion Ratio Lower Upper
101 100
103 64.3 51.1 76.7

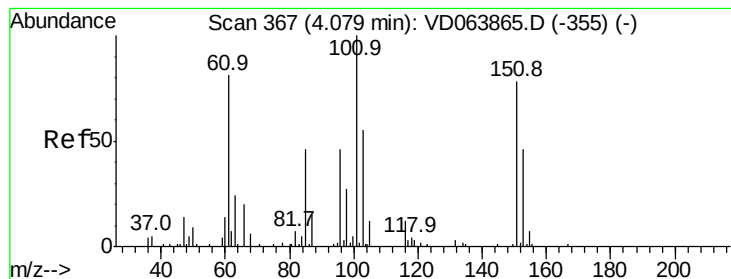


#8

Diethyl Ether
Concen: 47.500 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 74 Resp: 43267
Ion Ratio Lower Upper
74 100
45 94.9 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.125 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

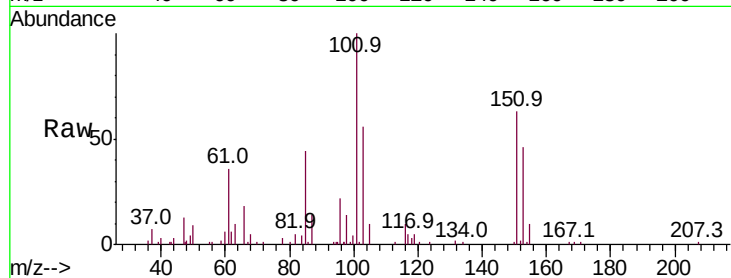
Tot Ion:101 Resp: 78741

Ion Ratio Lower Upper

101 100

85 46.3 37.5 56.3

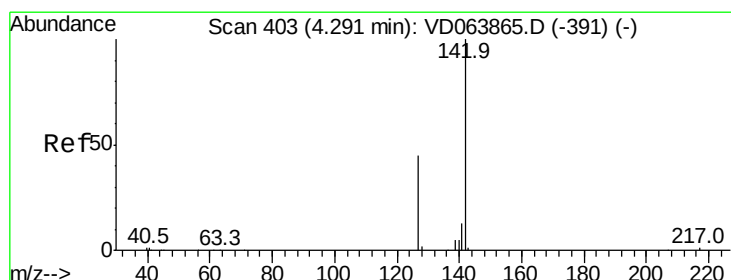
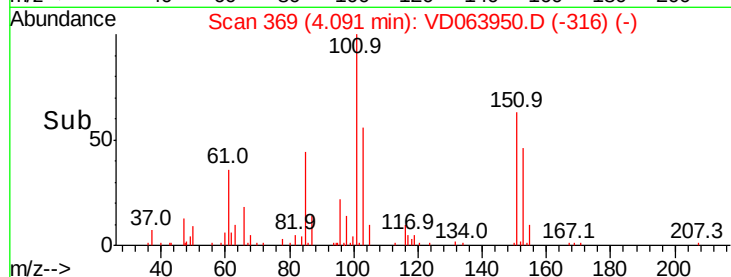
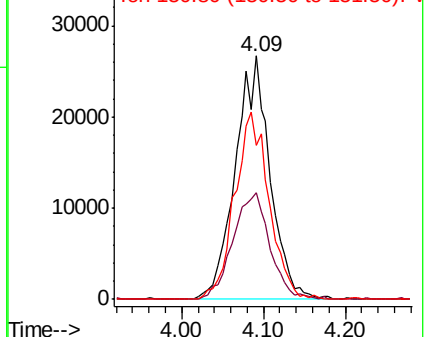
151 76.0 65.5 98.3



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: 48.751 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

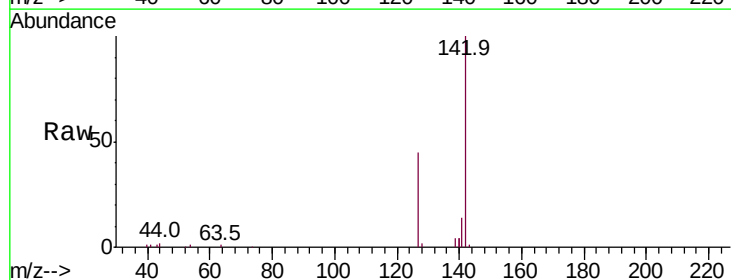
Tgt Ion:142 Resp: 105525

Ion Ratio Lower Upper

142 100

127 42.2 35.3 52.9

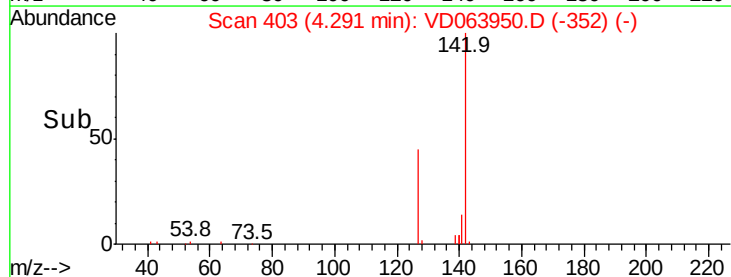
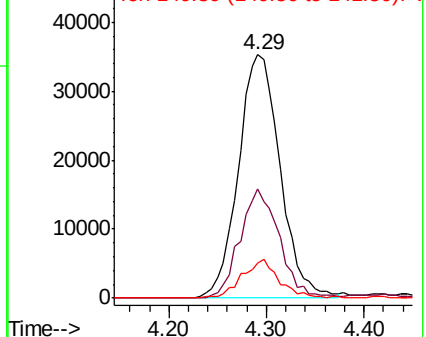
141 14.3 12.2 18.2

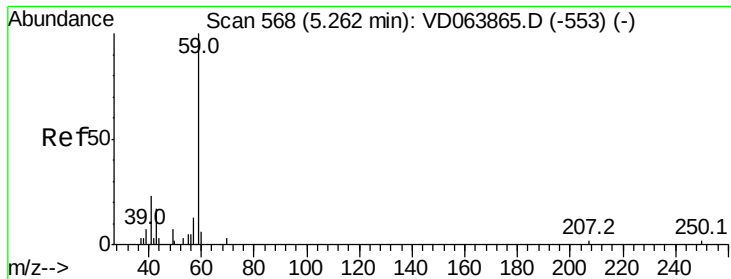


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



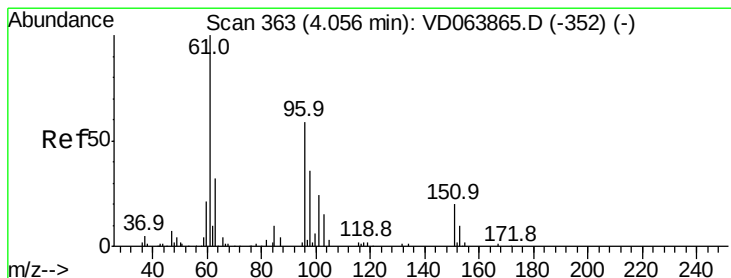
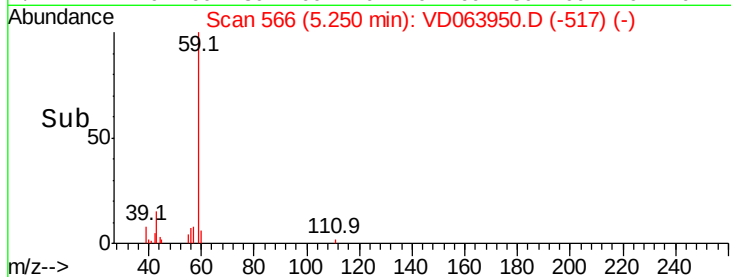
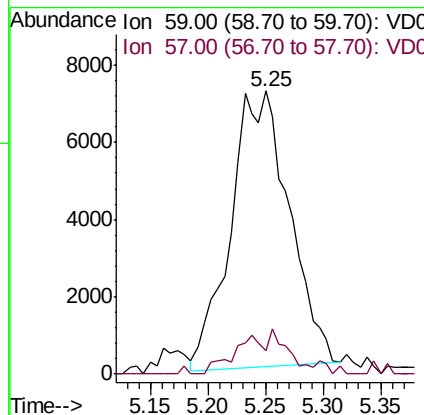
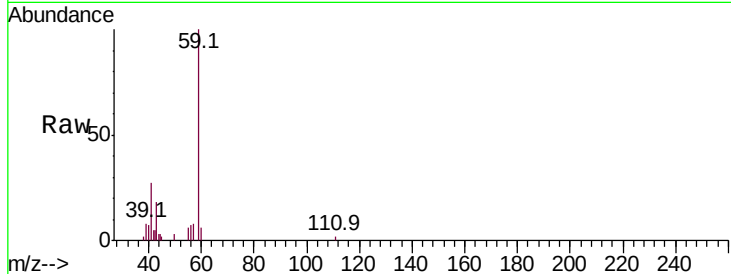


#11

Tert butyl alcohol
 Concen: 196.931 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :

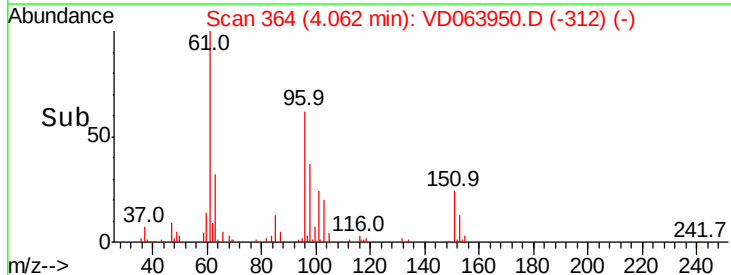
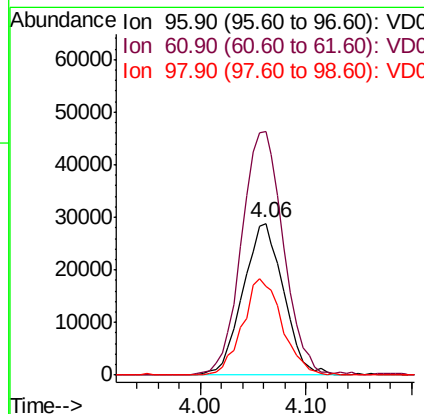
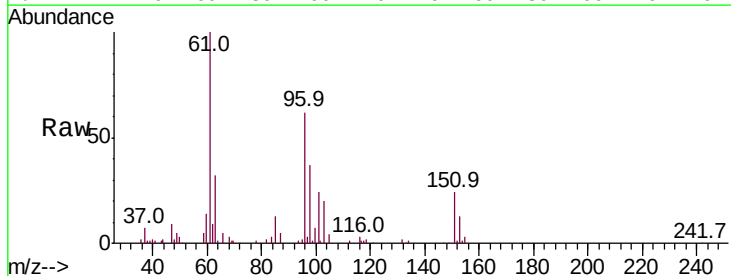
Tot Ion: 59 Resp: 25159
 Ion Ratio Lower Upper
 59 100
 57 7.5 8.8 13.2#

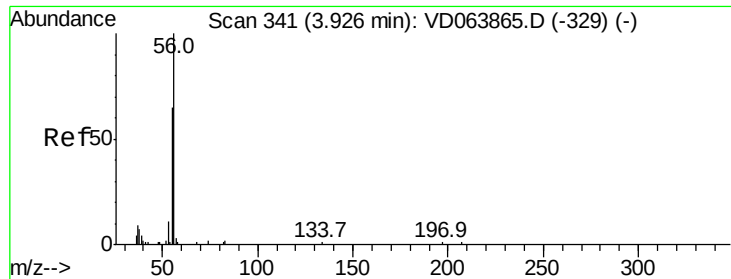


#12

1,1-Dichloroethene
 Concen: 48.960 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 96 Resp: 76840
 Ion Ratio Lower Upper
 96 100
 61 159.9 135.6 203.4
 98 58.8 49.2 73.8

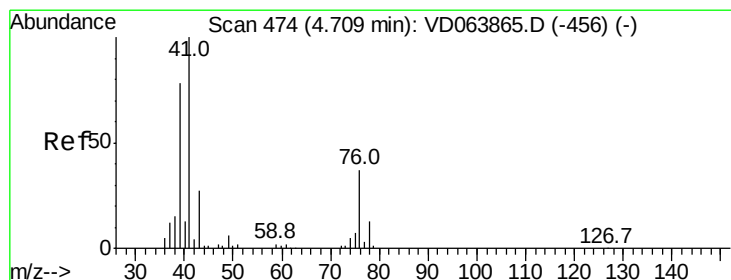
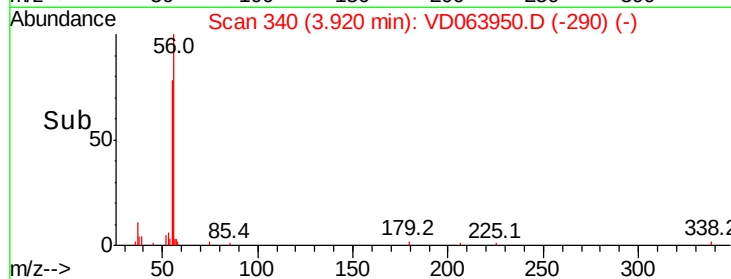
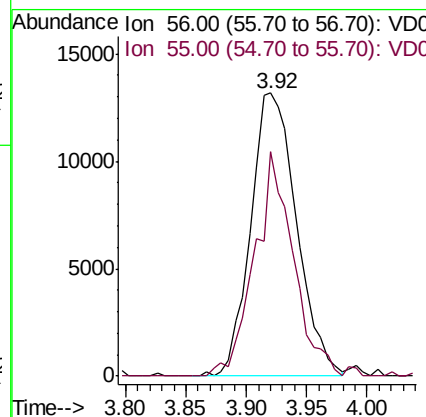
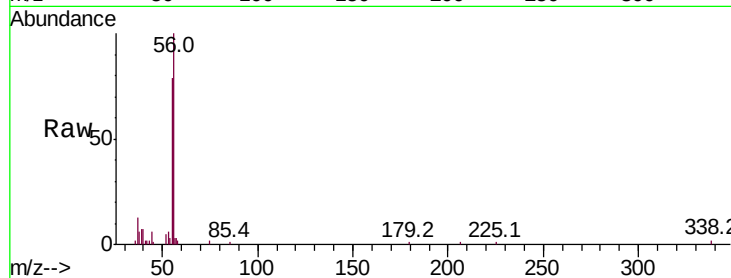




#13
Acrolein
Concen: 213.430 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

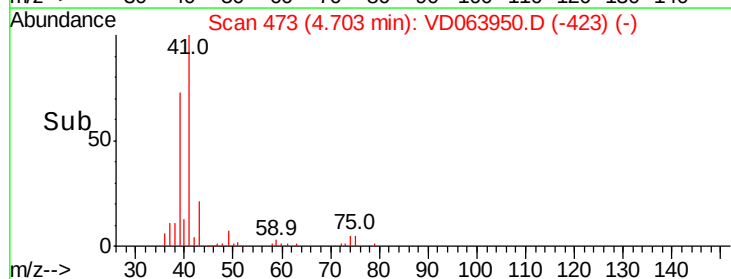
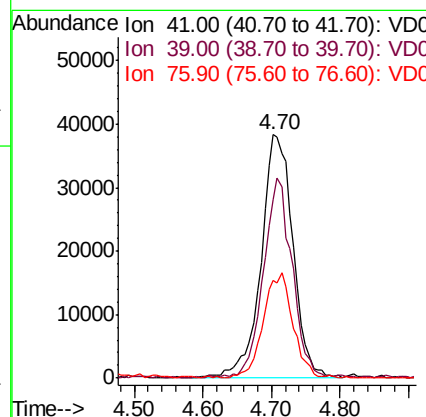
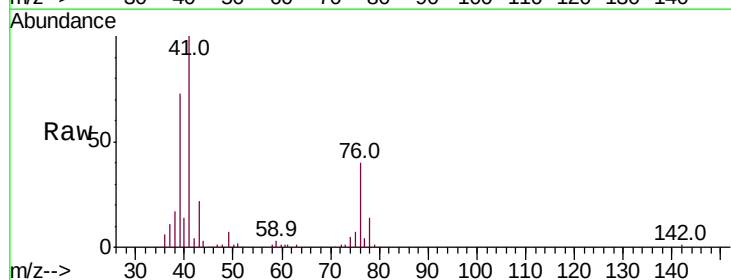
Instrument :
MSVOA_D
ClientSampleId :

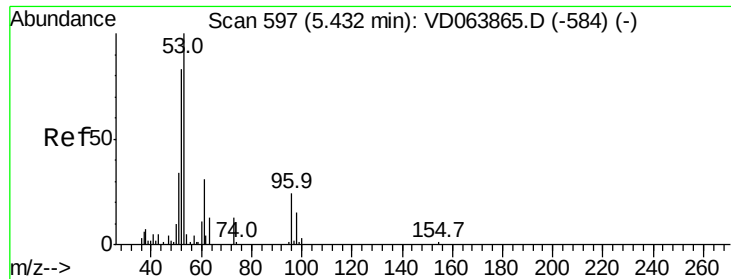
Tot Ion: 56 Resp: 34754
Ion Ratio Lower Upper
56 100
55 66.9 53.0 79.6



#14
Allyl chloride
Concen: 47.543 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 41 Resp: 124054
Ion Ratio Lower Upper
41 100
39 74.8 61.8 92.6
76 40.0 31.3 46.9





#15

Acrylonitrile

Concen: 242.941 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

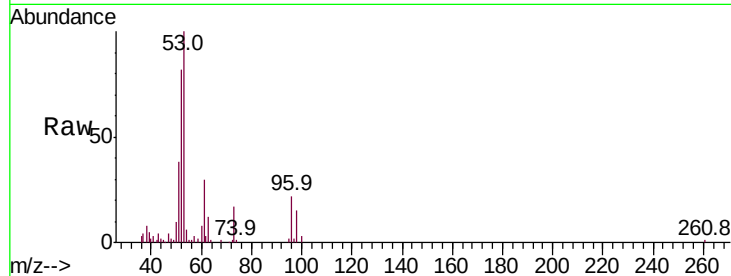
Tot Ion: 53 Resp: 97564

Ion Ratio Lower Upper

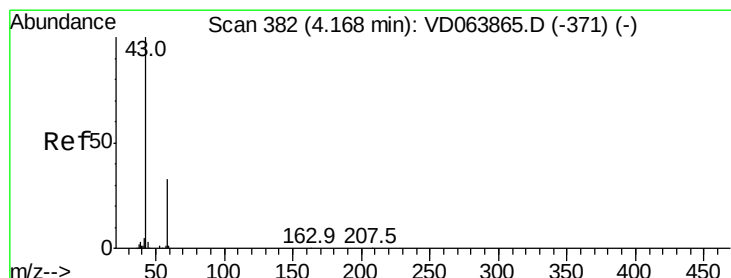
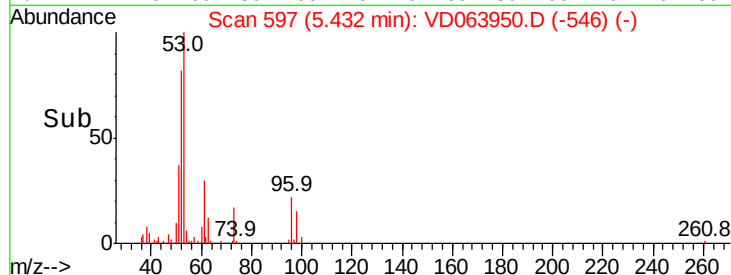
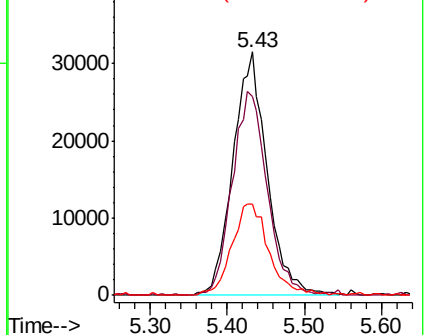
53 100

52 85.9 67.3 100.9

51 40.6 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: 262.199 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063950.D

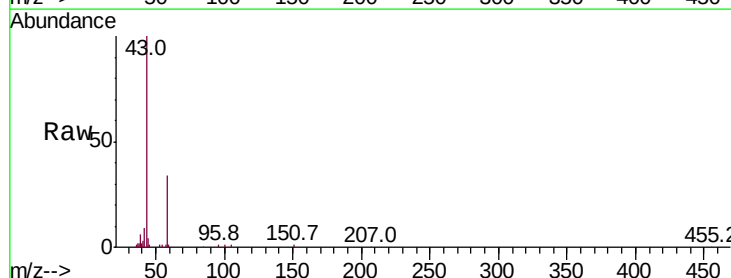
Acq: 14 Oct 2019 12:22

Tgt Ion: 43 Resp: 124459

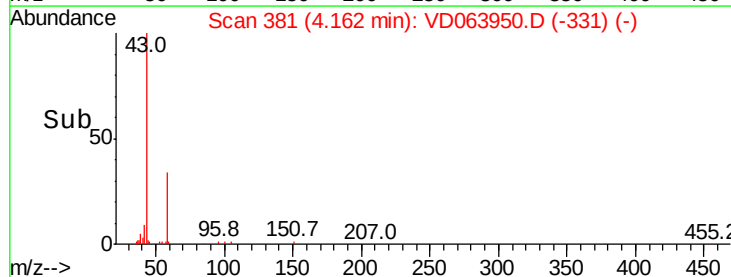
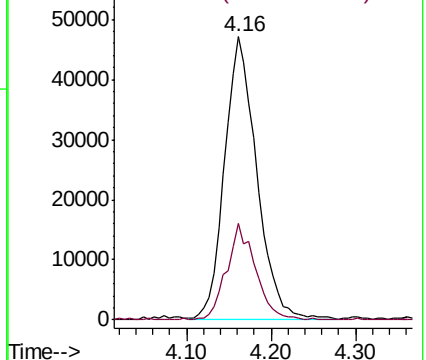
Ion Ratio Lower Upper

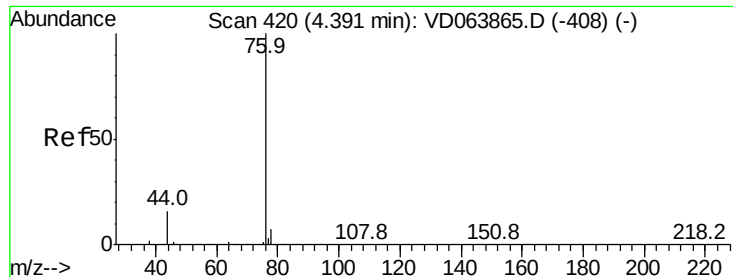
43 100

58 34.0 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: 46.433 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

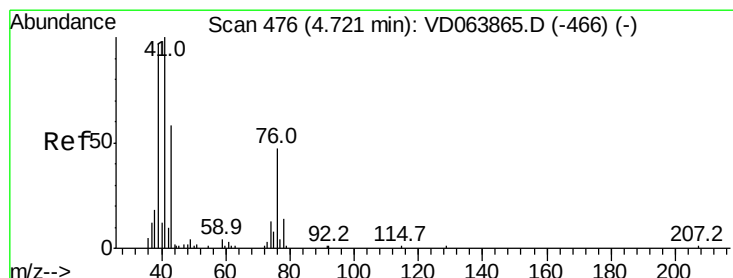
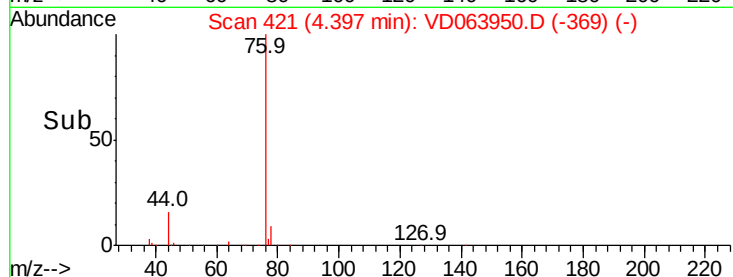
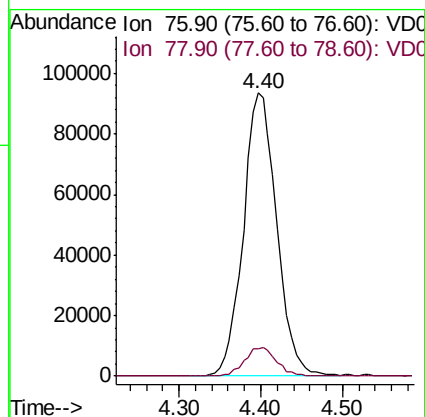
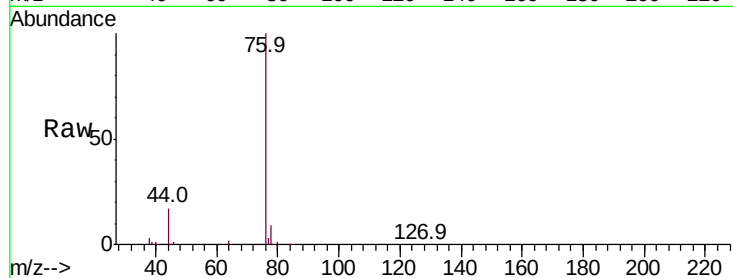
ClientSampleId :

Tot Ion: 76 Resp: 264906

Ion Ratio Lower Upper

76 100

78 9.5 5.8 8.8#



#18

Methyl Acetate

Concen: 47.659 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD063950.D

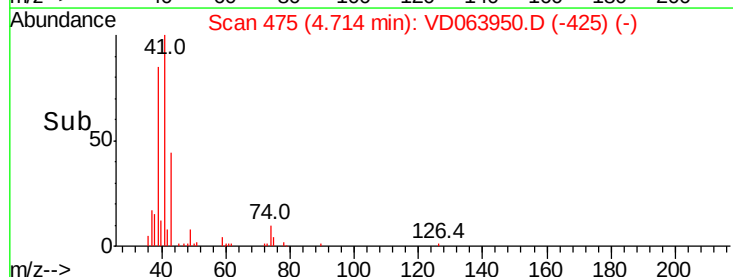
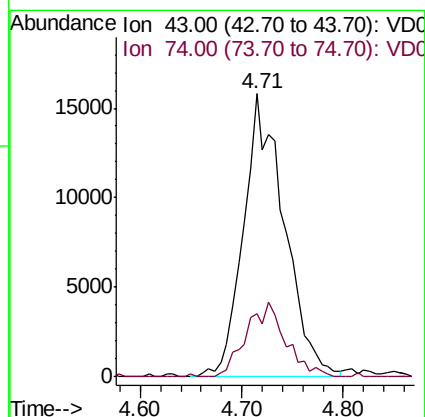
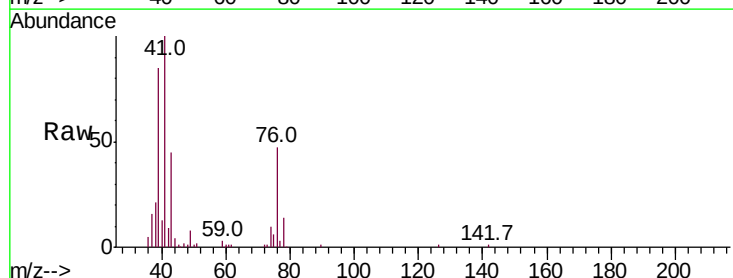
Acq: 14 Oct 2019 12:22

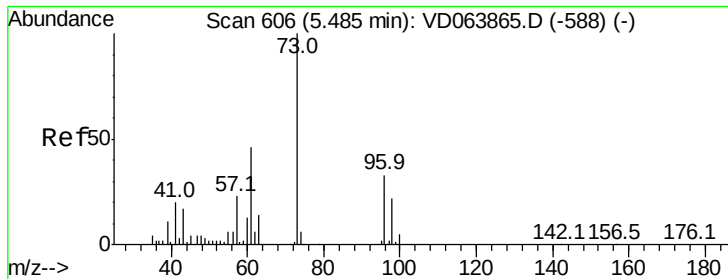
Tgt Ion: 43 Resp: 44247

Ion Ratio Lower Upper

43 100

74 25.5 20.8 31.2



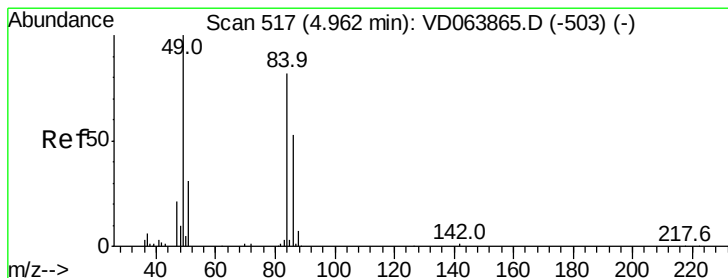
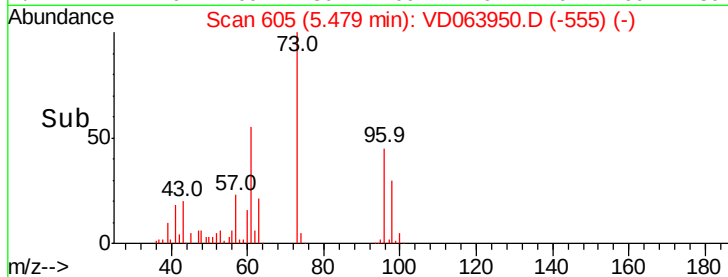
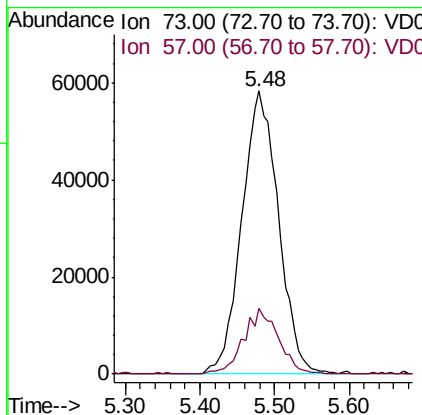
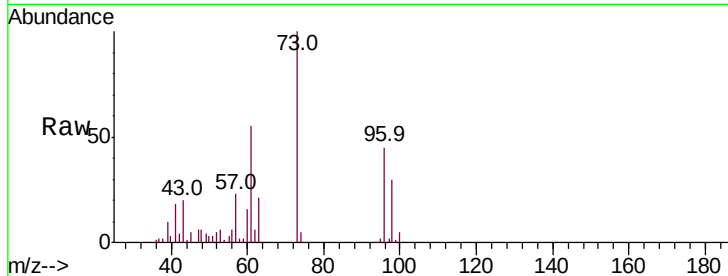


#19

Methyl tert-butyl Ether
 Concen: 49.009 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :

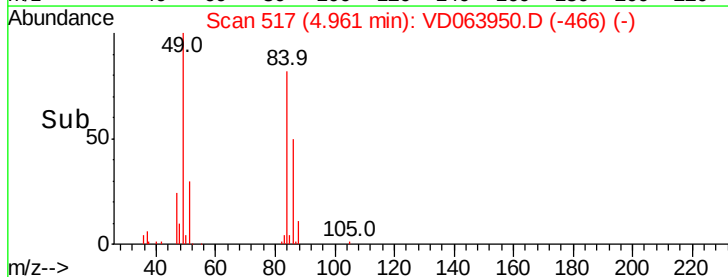
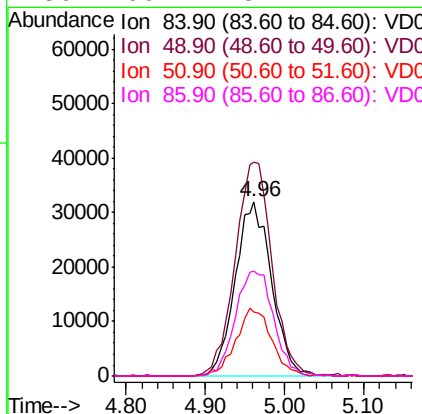
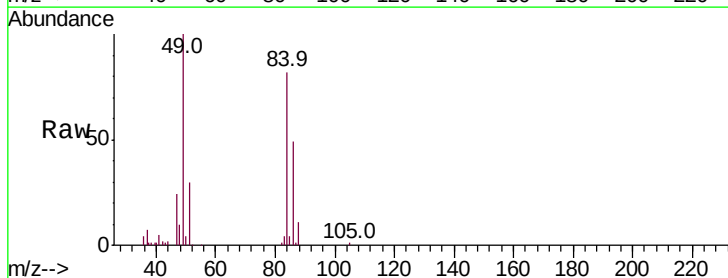
Tot Ion: 73 Resp: 199175
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.1 27.1

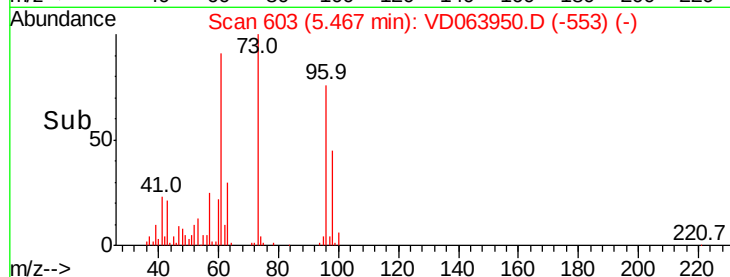
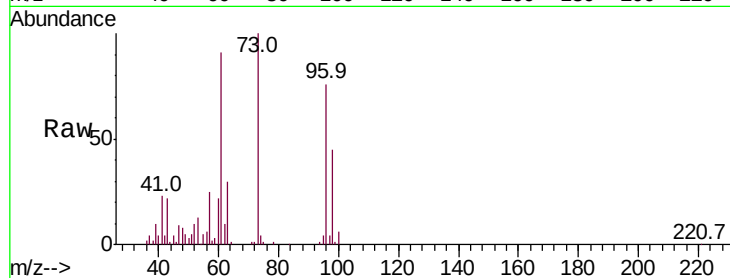
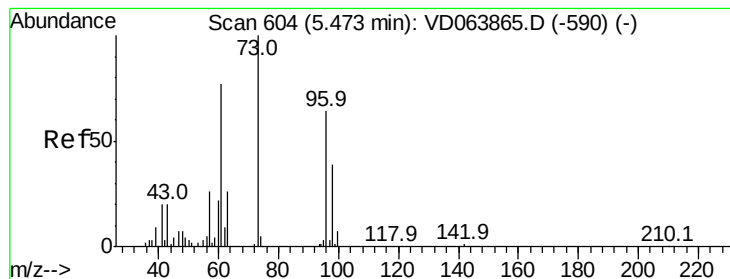


#20

Methylene Chloride
 Concen: 48.070 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 84 Resp: 101490
 Ion Ratio Lower Upper
 84 100
 49 122.2 97.3 145.9
 51 36.6 30.1 45.1
 86 60.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 50.850 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

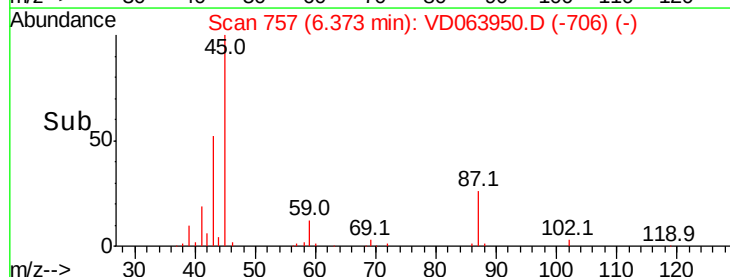
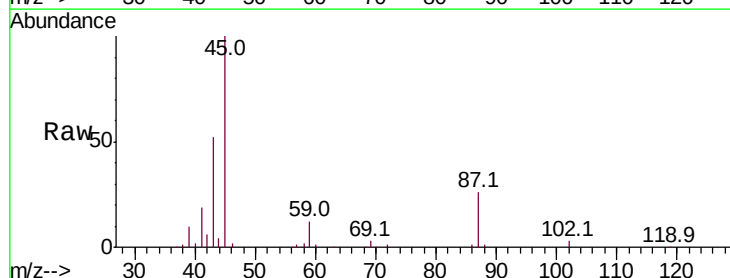
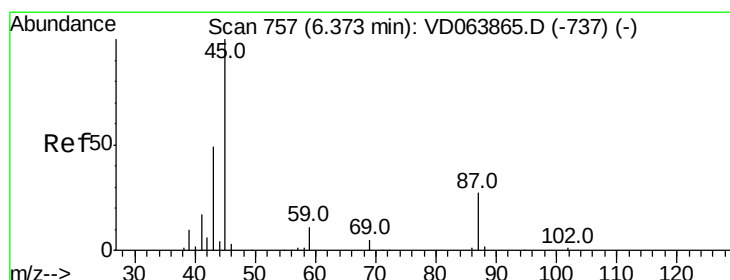
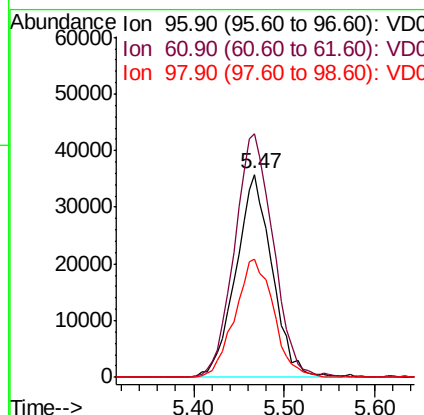
Tot Ion: 96 Resp: 99350

Ion Ratio Lower Upper

96 100

61 119.9 96.6 145.0

98 58.4 48.7 73.1



#22

Diisopropyl ether

Concen: 51.132 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion: 45 Resp: 272488

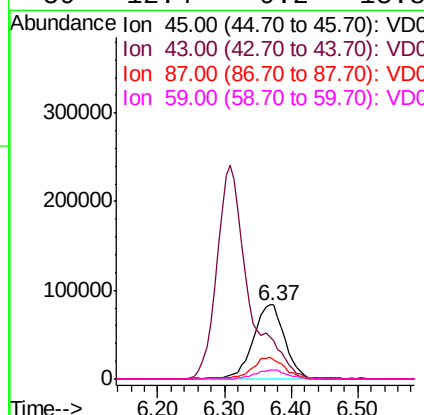
Ion Ratio Lower Upper

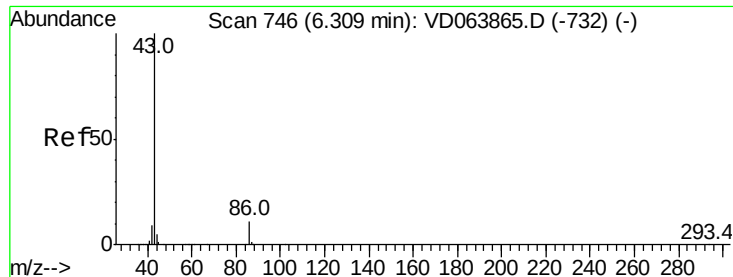
45 100

43 51.0 41.2 61.8

87 26.2 22.2 33.4

59 12.4 9.2 13.8





#23

Vinyl Acetate

Concen: 251.803 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

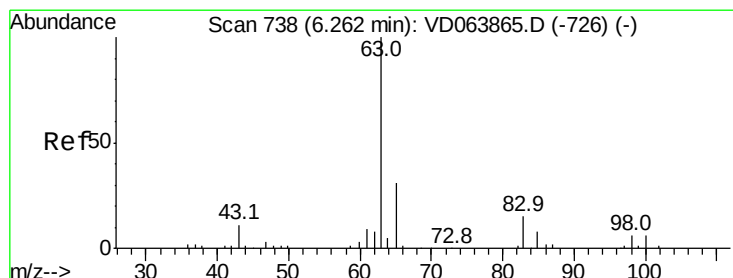
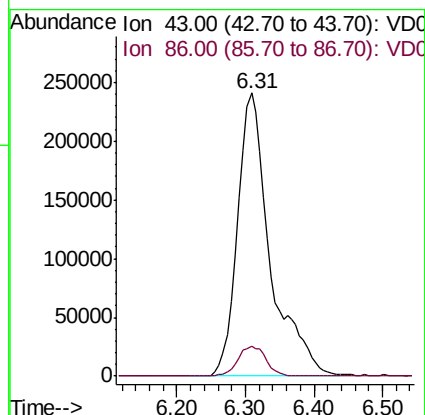
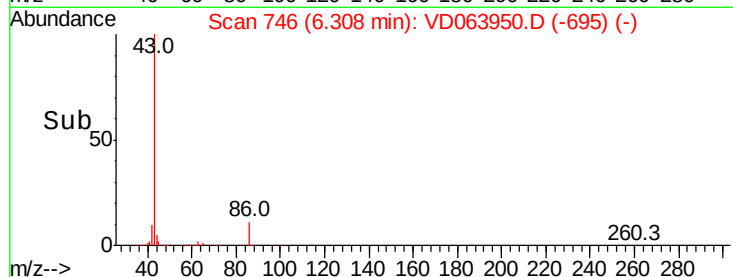
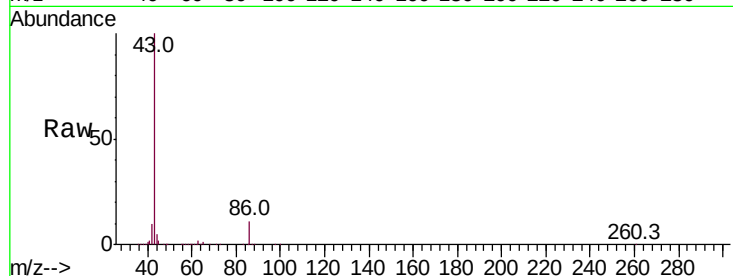
ClientSampled :

Tot Ion: 43 Resp: 798261

Ion Ratio Lower Upper

43 100

86 10.7 8.8 13.2



#24

1,1-Dichloroethane

Concen: 50.892 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

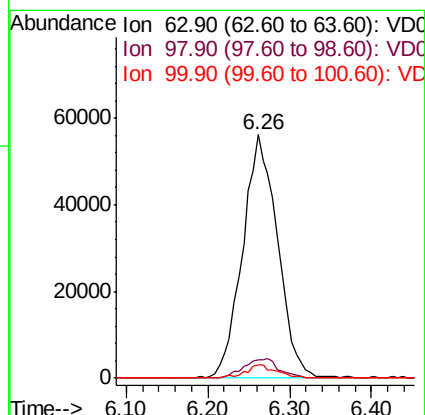
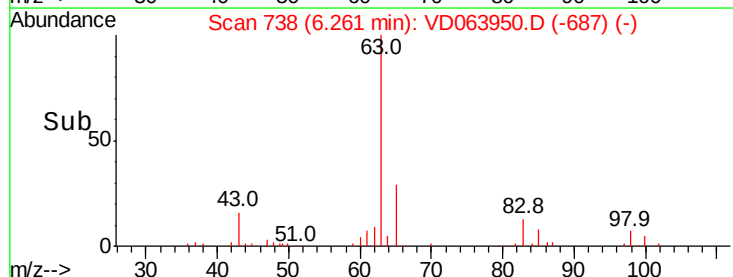
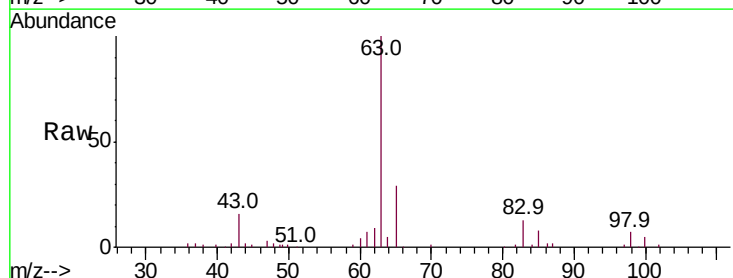
Tgt Ion: 63 Resp: 167053

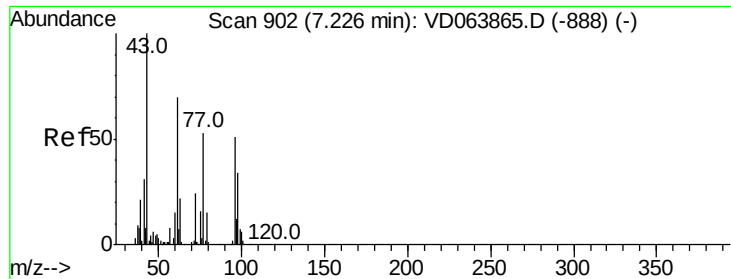
Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.4

100 5.5 3.0 9.2





#25

2-Butanone

Concen: 254.268 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

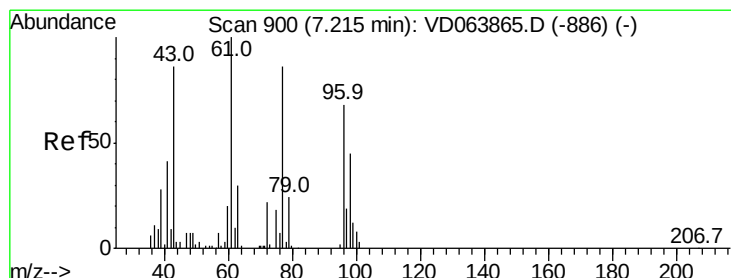
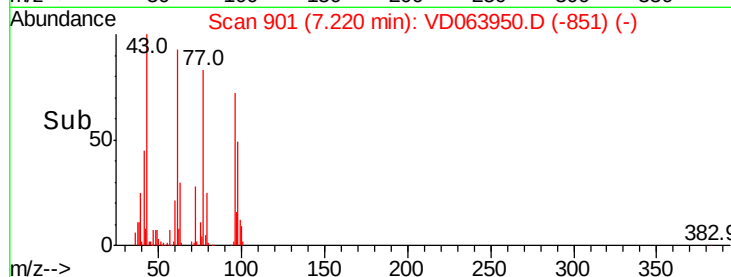
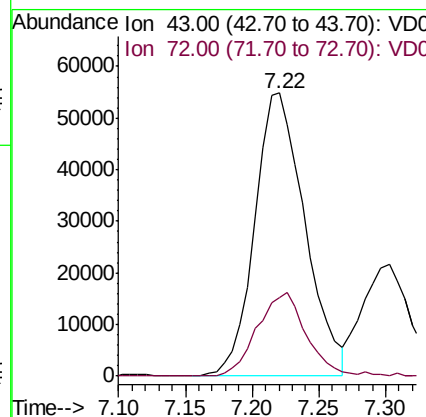
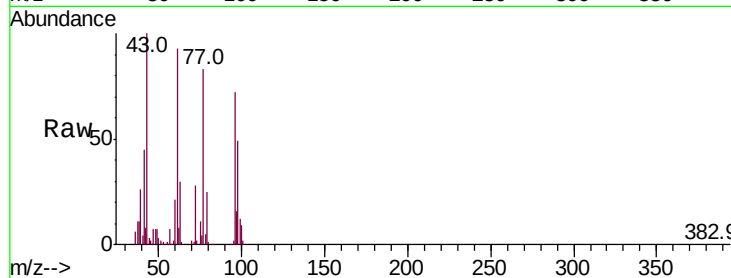
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 143036

Ion Ratio Lower Upper

43 100

72 27.7 19.2 28.8



#26

2,2-Dichloropropane

Concen: 49.739 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063950.D

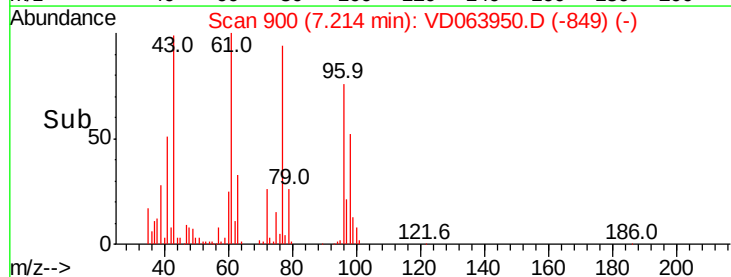
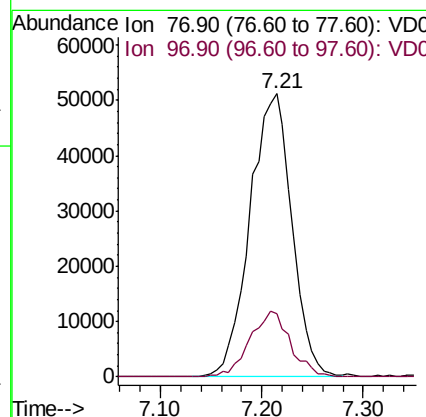
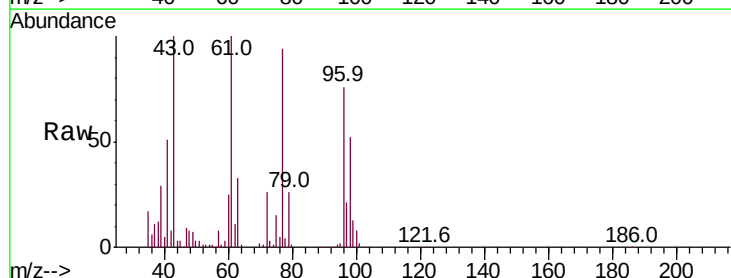
Acq: 14 Oct 2019 12:22

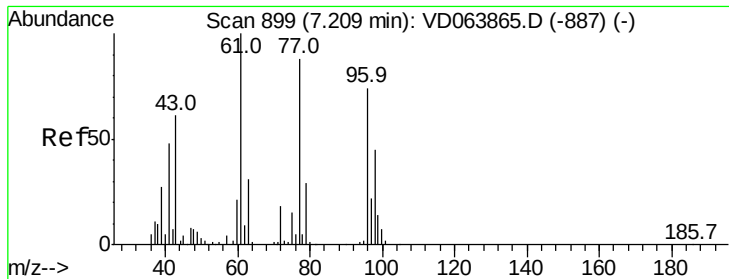
Tgt Ion: 77 Resp: 147690

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1

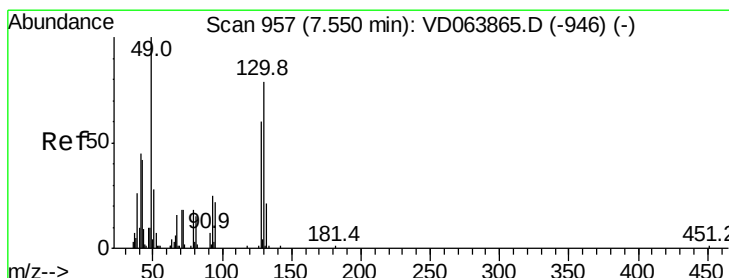
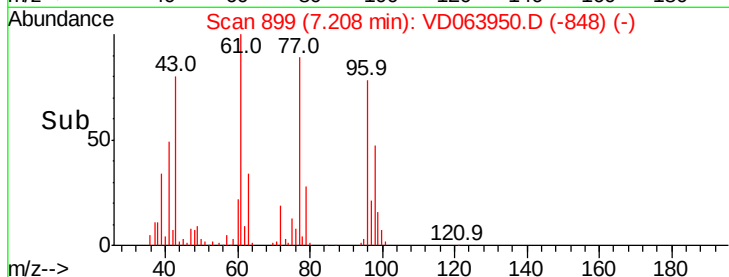
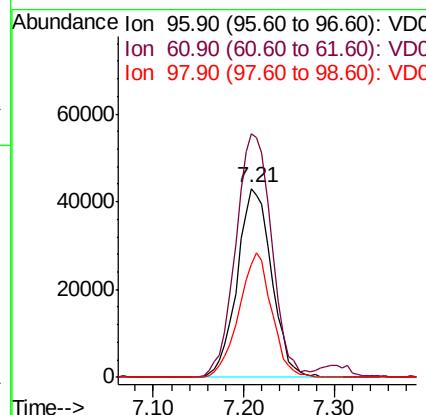
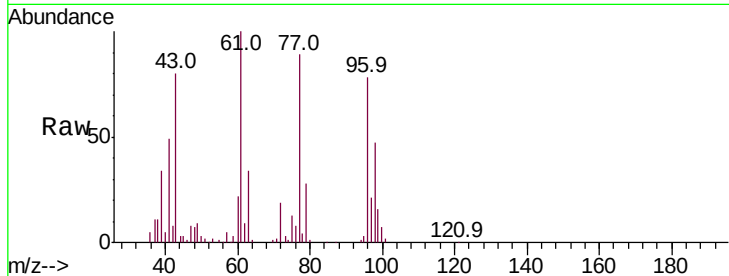




#27
 cis-1,2-Dichloroethene
 Concen: 51.432 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

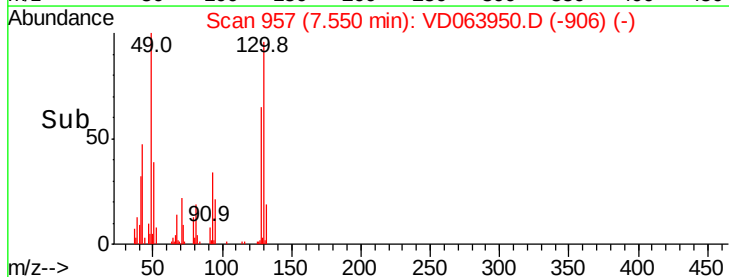
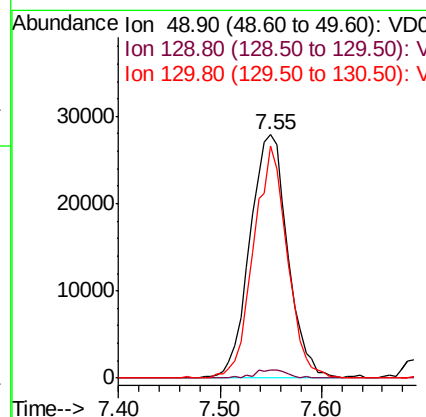
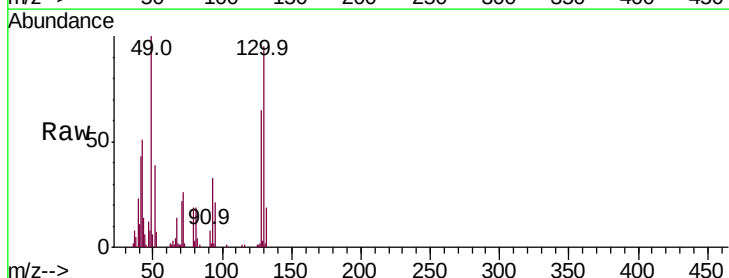
Instrument :
 MSVOA_D
 ClientSampleId :

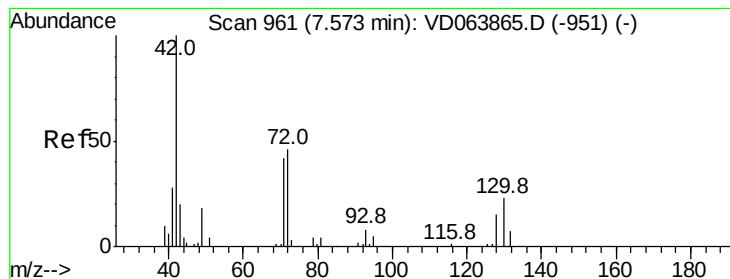
Tot Ion: 96 Resp: 113738
 Ion Ratio Lower Upper
 96 100
 61 134.5 0.0 280.0
 98 62.8 0.0 130.4



#28
 Bromochloromethane
 Concen: 57.685 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 49 Resp: 72360
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 5.6
 130 84.8 66.8 100.2





#29

Tetrahydrofuran

Concen: 231.833 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :

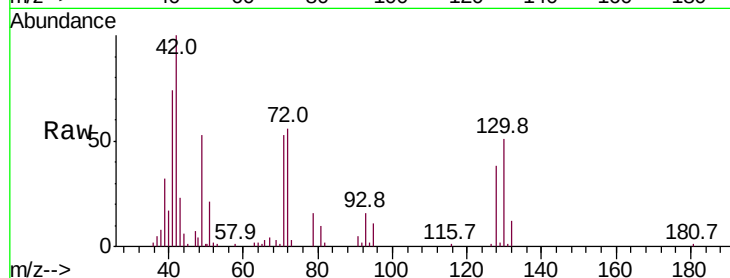
Tot Ion: 42 Resp: 76121

Ion Ratio Lower Upper

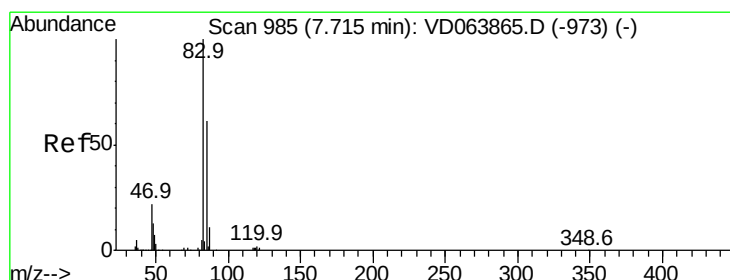
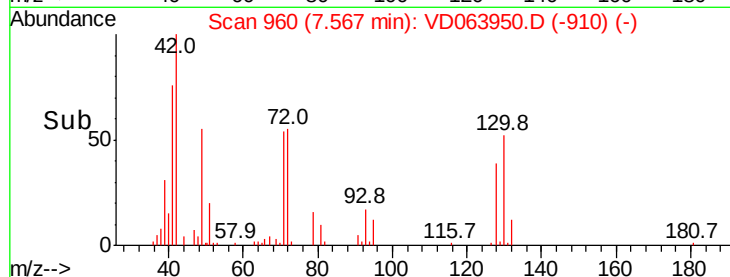
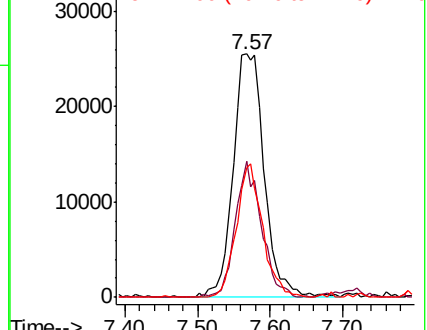
42 100

72 46.9 37.6 56.4

71 46.3 35.0 52.6



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



#30

Chloroform

Concen: 50.519 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD063950.D

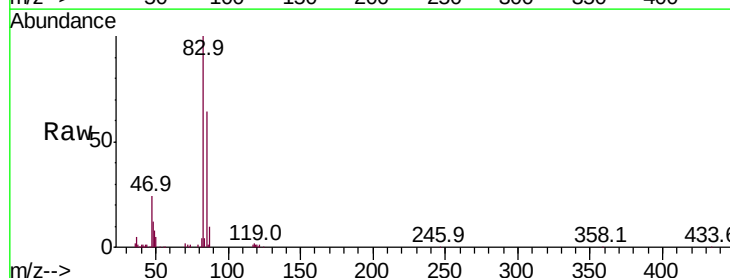
Acq: 14 Oct 2019 12:22

Tgt Ion: 83 Resp: 180107

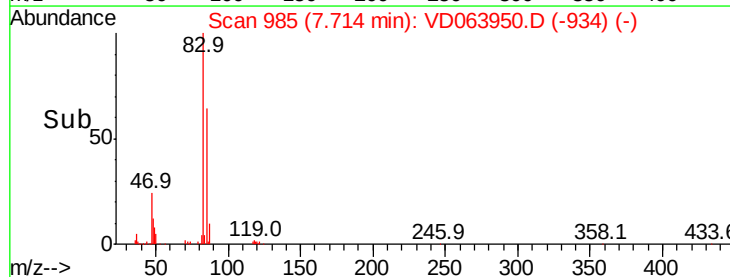
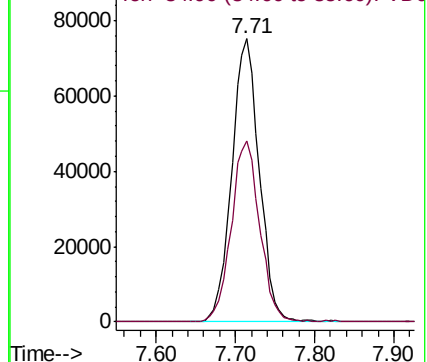
Ion Ratio Lower Upper

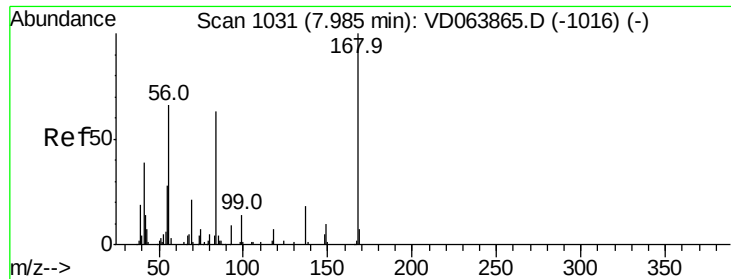
83 100

85 64.1 48.9 73.3



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

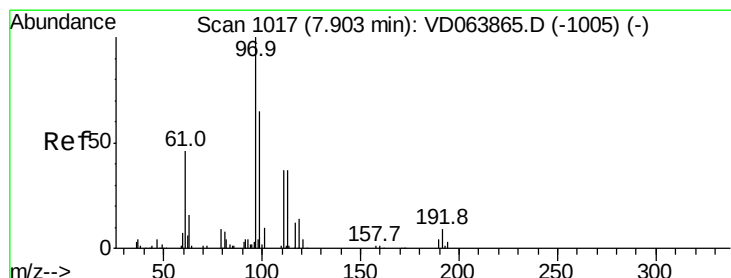
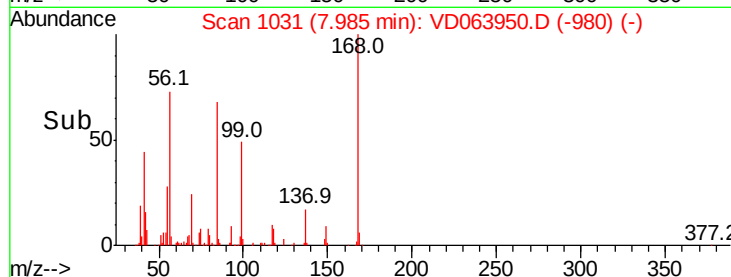
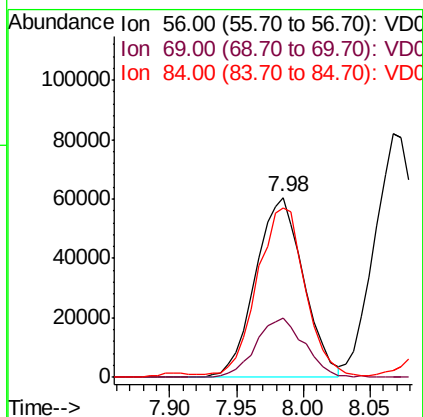
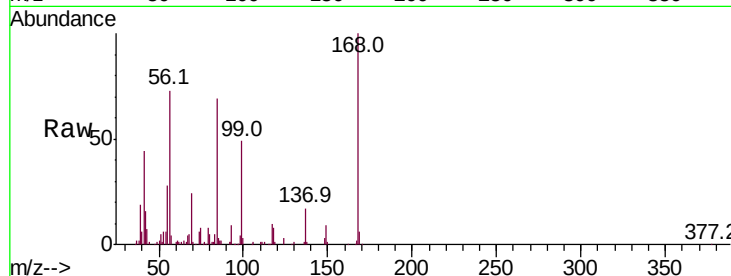




#31
Cyclohexane
Concen: 56.196 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

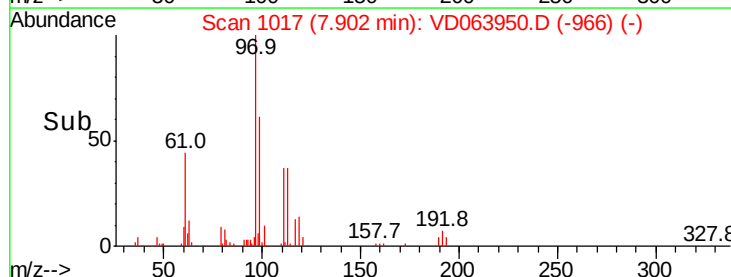
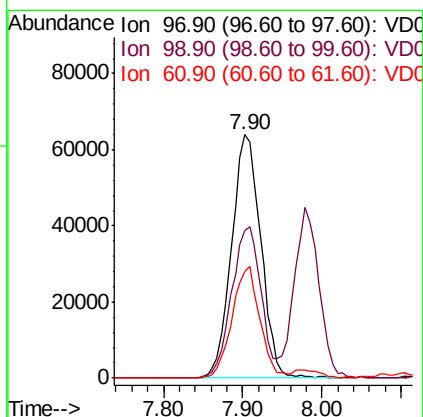
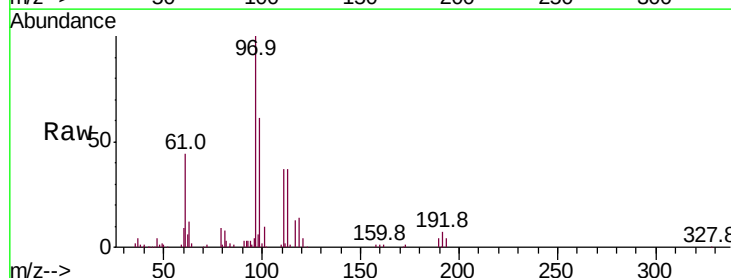
Instrument :
MSVOA_D
ClientSampled :

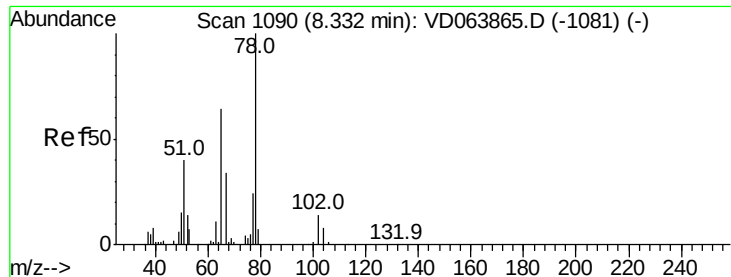
Tot Ion: 56 Resp: 151166
Ion Ratio Lower Upper
56 100
69 33.4 25.0 37.4
84 92.3 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 53.495 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 97 Resp: 163601
Ion Ratio Lower Upper
97 100
99 62.9 52.4 78.6
61 43.4 33.8 50.8

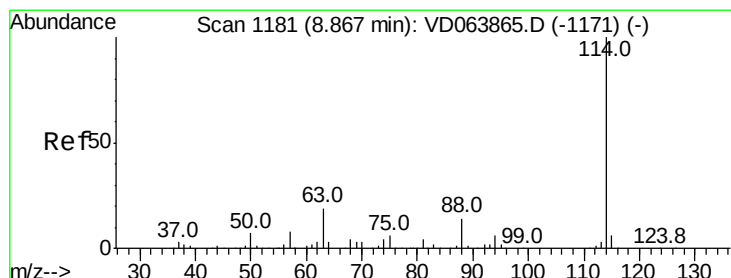
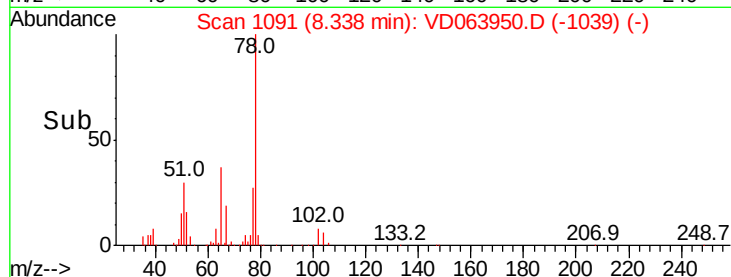
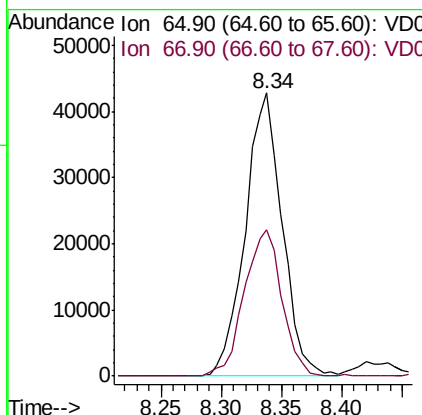
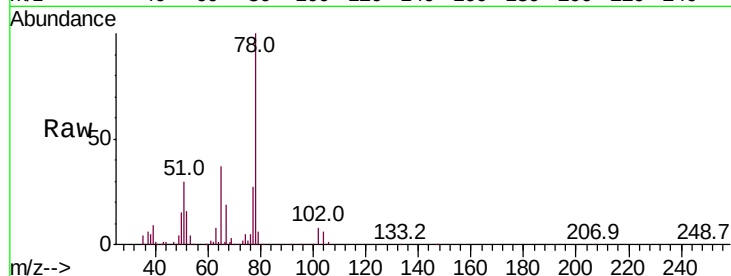




#33
 1,2-Dichloroethane-d4
 Concen: 50.208 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

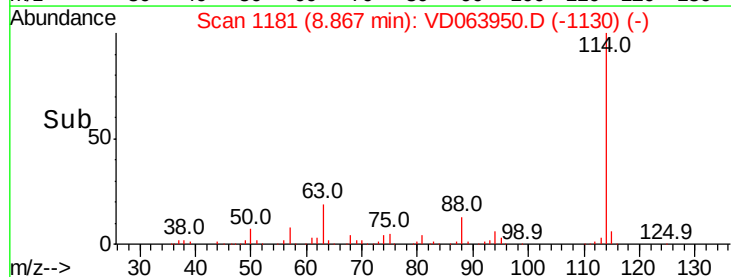
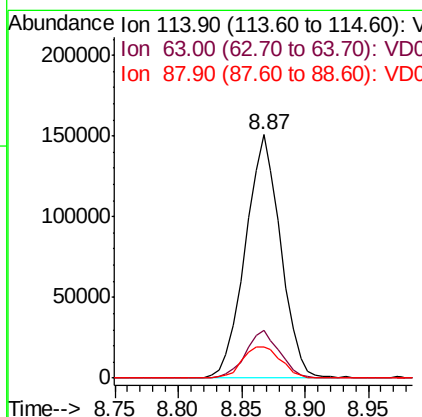
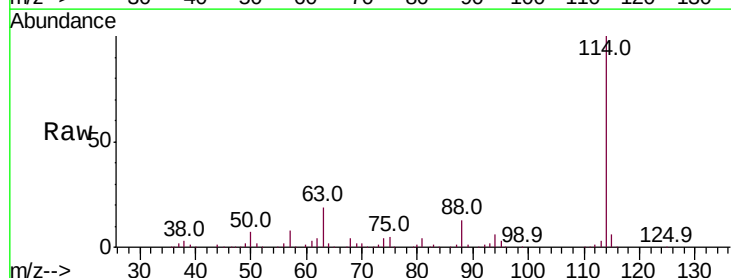
Instrument :
 MSVOA_D
 ClientSampleId :

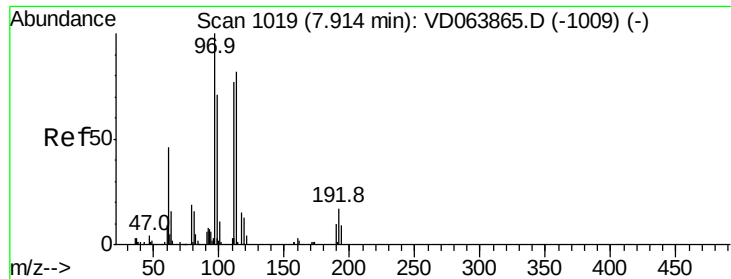
Tot Ion: 65 Resp: 91538
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 114 Resp: 291859
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.4
 88 12.9 0.0 27.4





#35

Dibromofluoromethane

Concen: 51.935 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

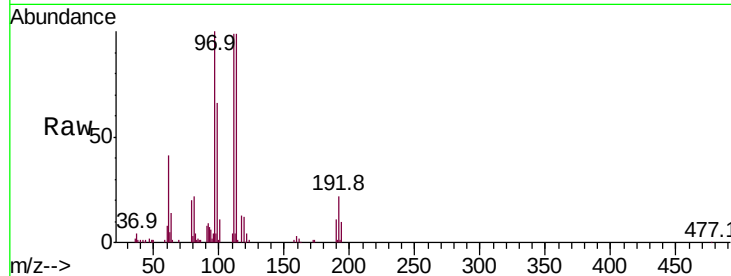
Tot Ion:113 Resp: 92634

Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

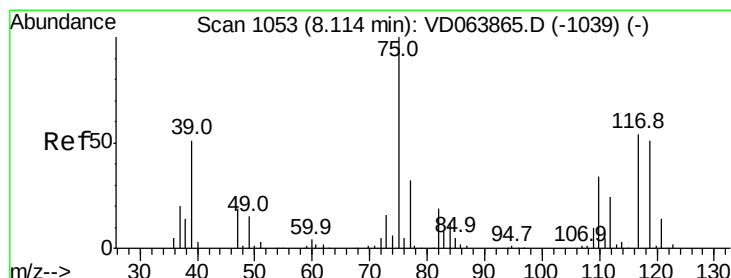
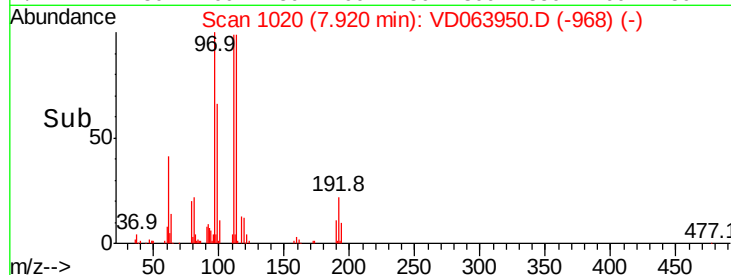
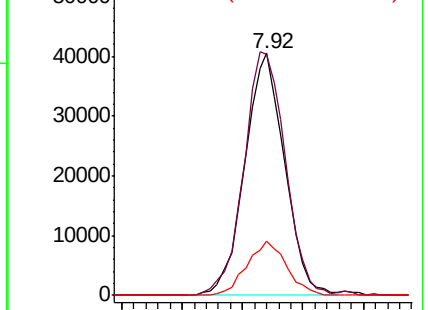
192 22.1 17.1 25.7



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: 52.840 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

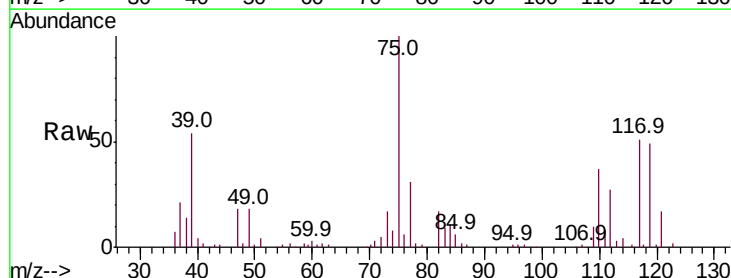
Tgt Ion: 75 Resp: 141006

Ion Ratio Lower Upper

75 100

110 36.7 17.4 52.3

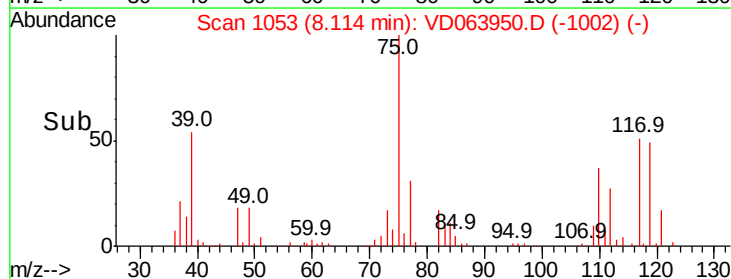
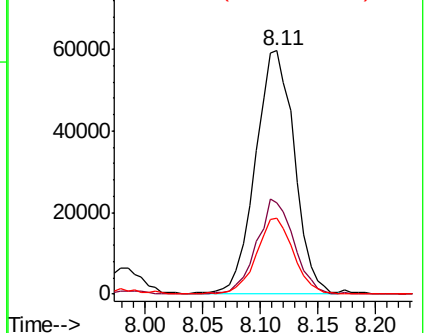
77 29.9 25.4 38.0

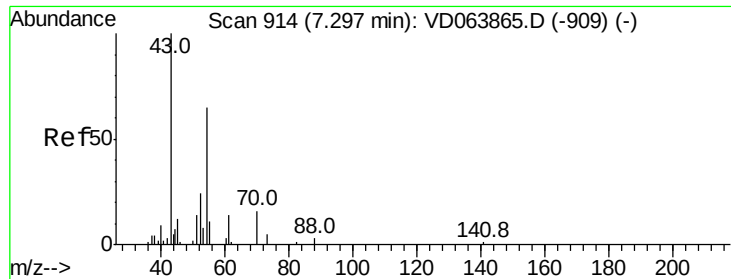


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

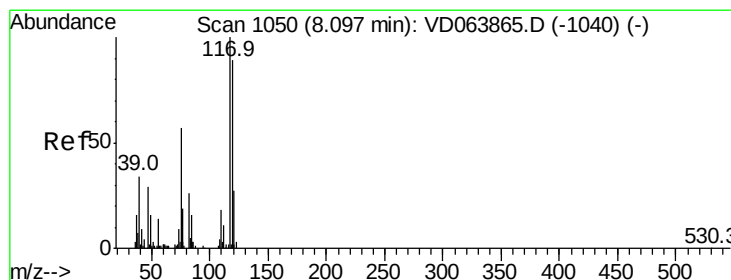
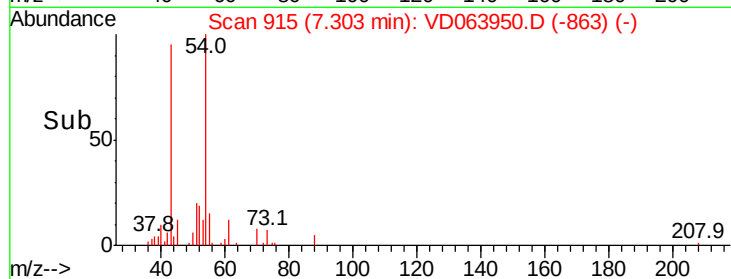
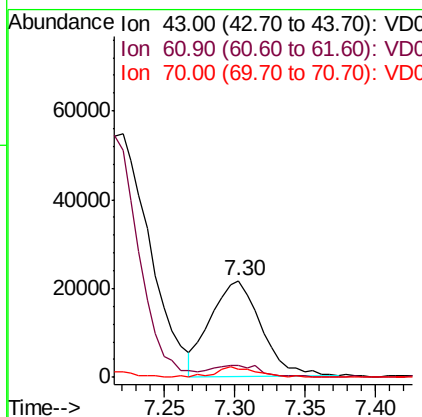
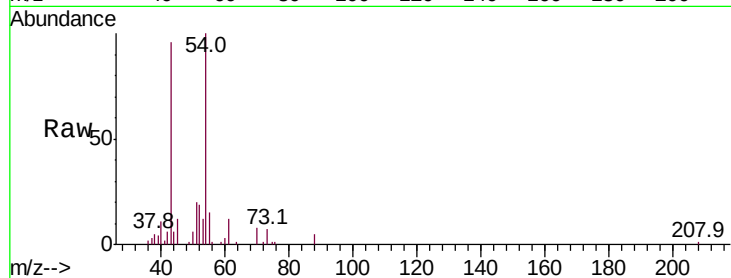




#37
Ethyl Acetate
Concen: 49.711 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

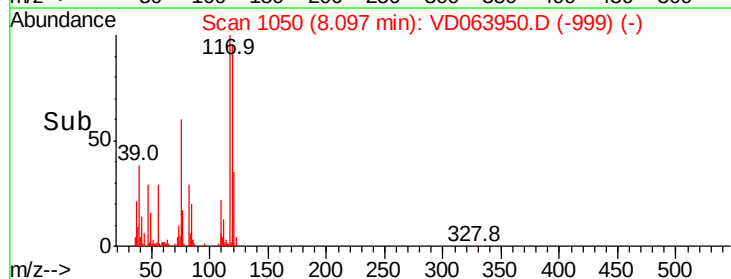
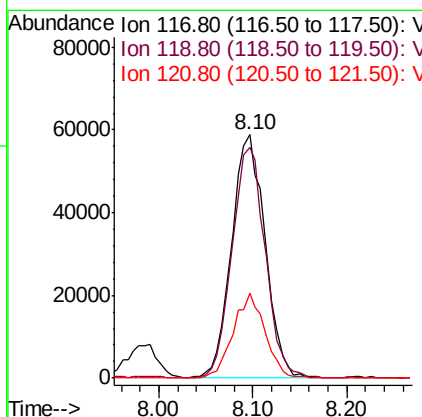
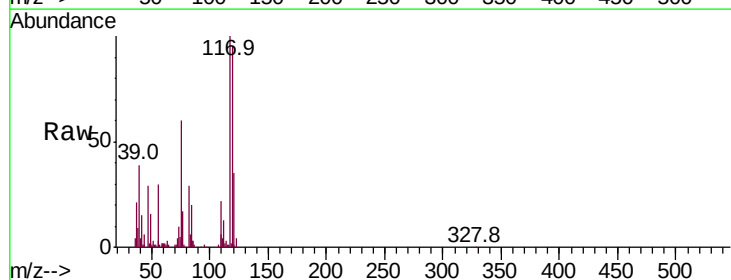
Instrument :
MSVOA_D
ClientSampleId :

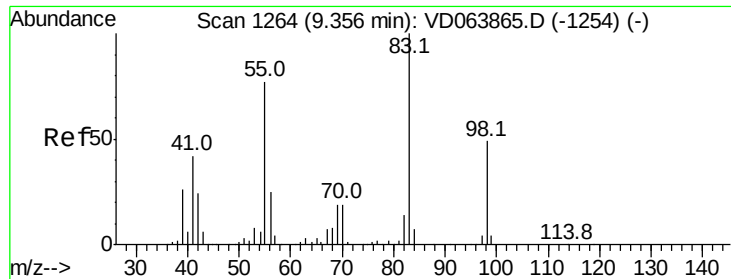
Tot Ion: 43 Resp: 53218
Ion Ratio Lower Upper
43 100
61 10.8 11.5 17.3#
70 9.2 8.2 12.4



#38
Carbon Tetrachloride
Concen: 54.048 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 117 Resp: 145749
Ion Ratio Lower Upper
117 100
119 94.8 70.8 106.2
121 34.8 21.4 32.0#

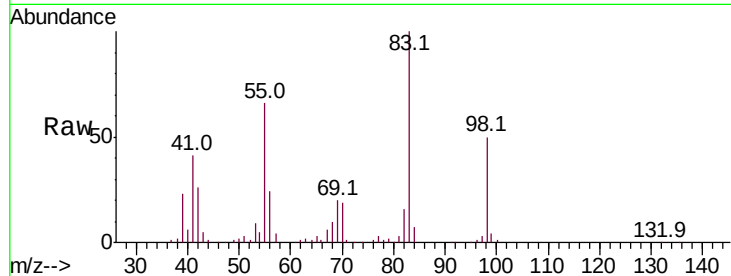




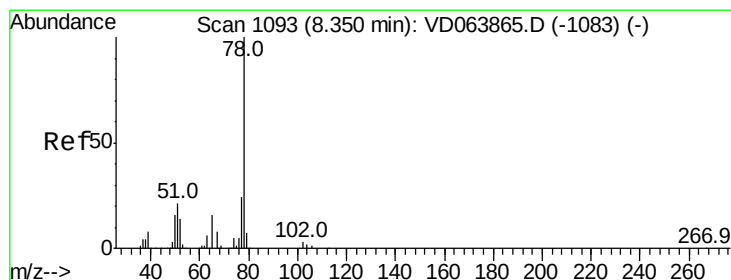
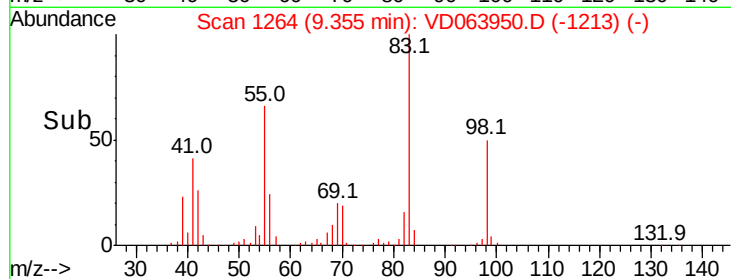
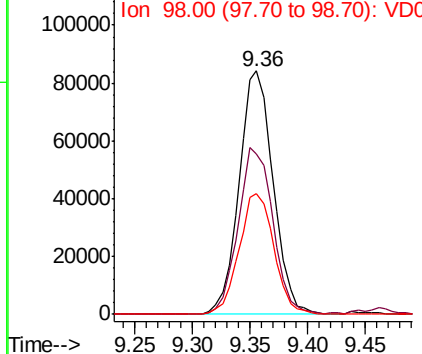
#39
Methylvlcyclohexane
Concen: 52.549 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 172419
Ion Ratio Lower Upper
83 100
55 66.1 61.3 91.9
98 49.8 39.3 58.9

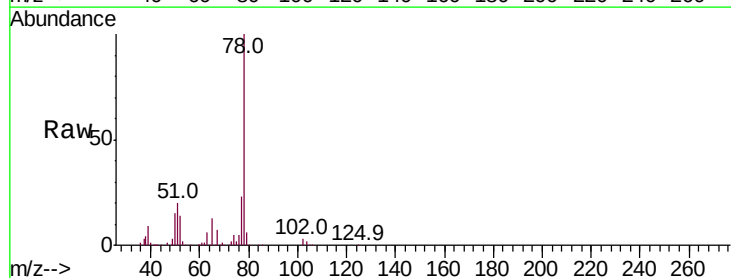


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

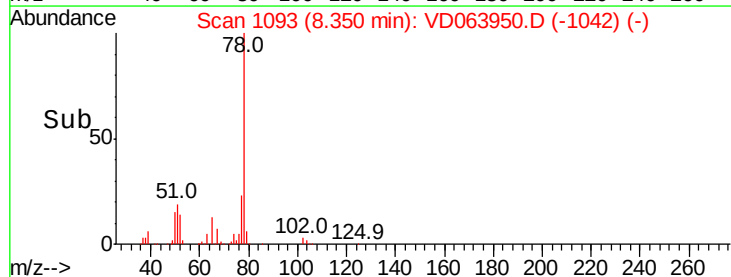
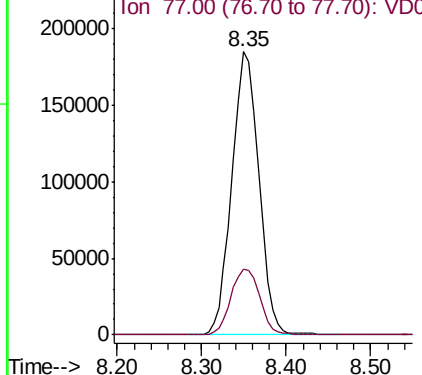


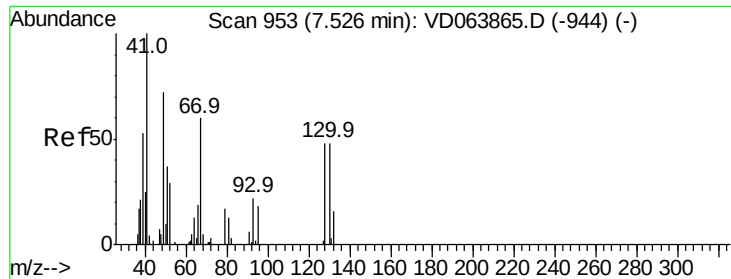
#40
Benzene
Concen: 53.463 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 78 Resp: 408843
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6



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

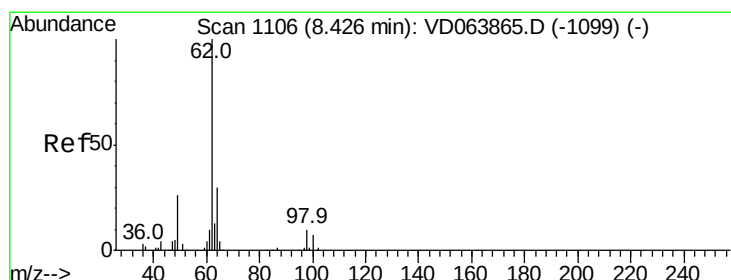
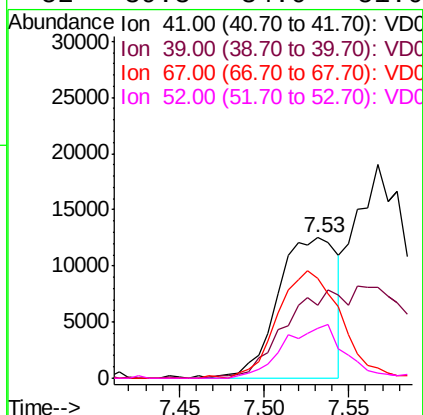
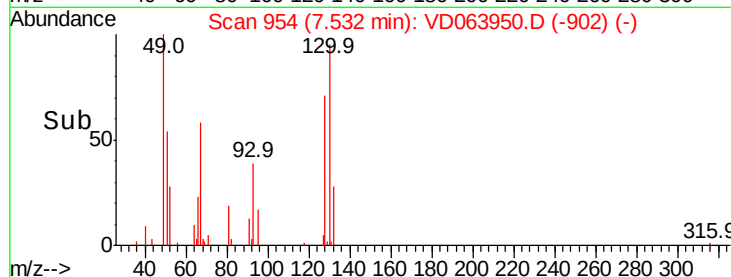
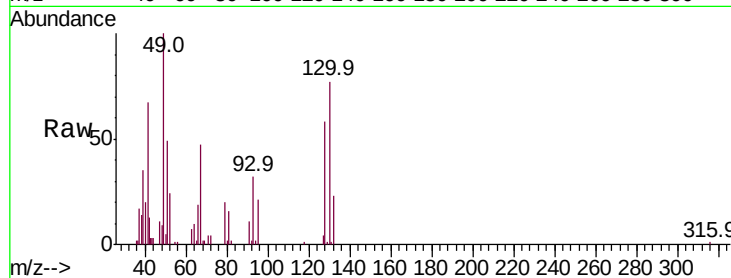




#41
Methacrylonitrile
Concen: 49.328 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

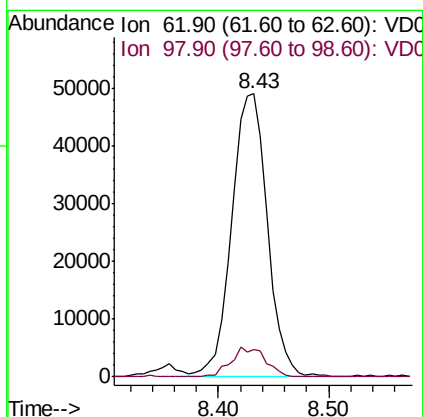
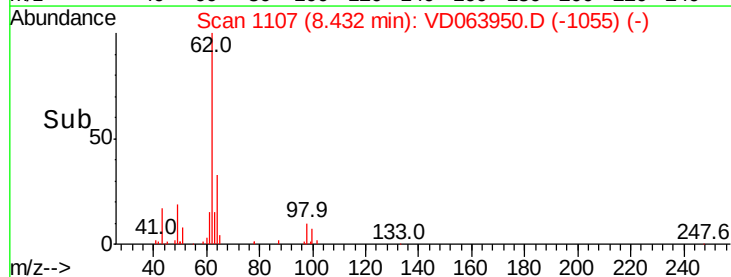
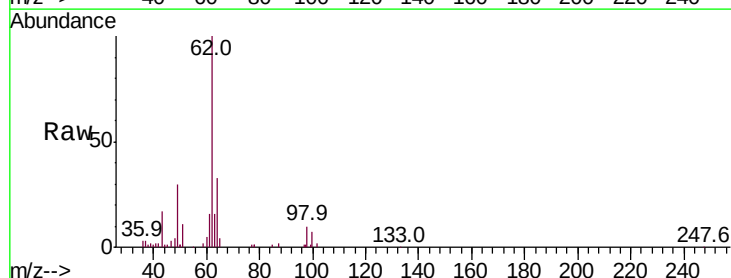
Instrument :
MSVOA_D
ClientSampleId :

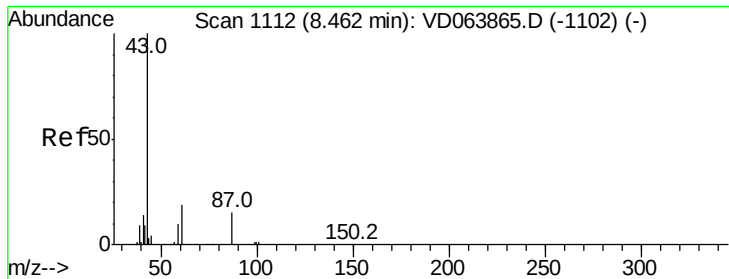
Tot Ion: 41 Resp: 30519
Ion Ratio Lower Upper
41 100
39 65.8 52.6 78.8
67 81.2 74.2 111.2
52 39.3 34.0 51.0



#42
1,2-Dichloroethane
Concen: 50.465 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 62 Resp: 111632
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.0





#43

Isopropyl Acetate

Concen: 47.475 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

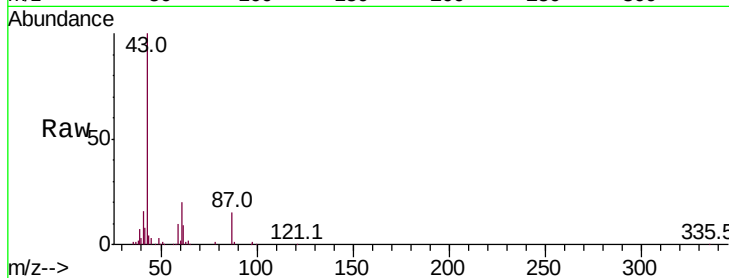
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 106246

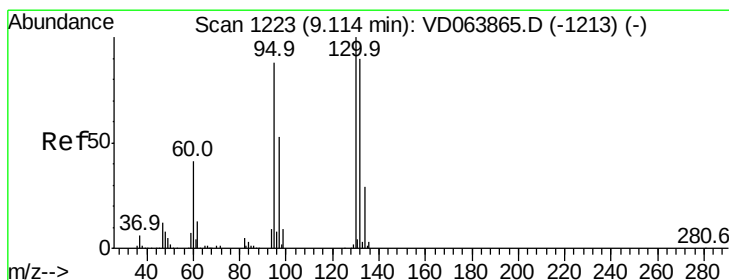
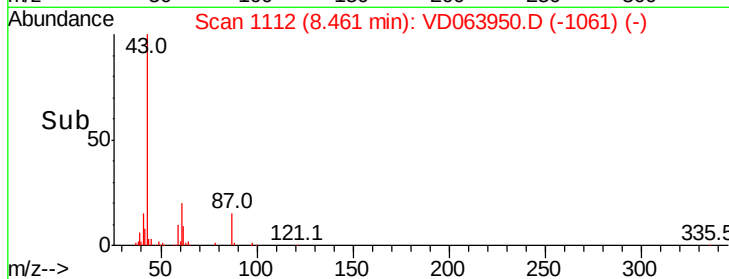
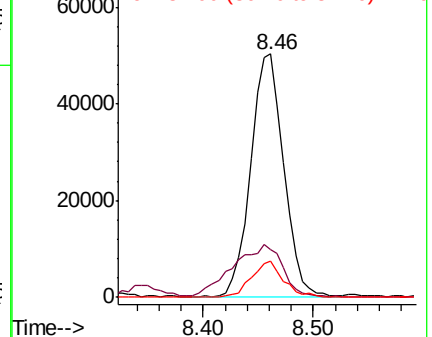
Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.7	38.5
87	14.3	11.6	17.4



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: 52.297 ug/l

RT: 9.11 min Scan# 1223

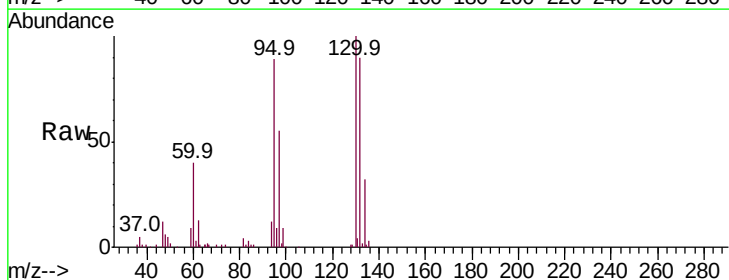
Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

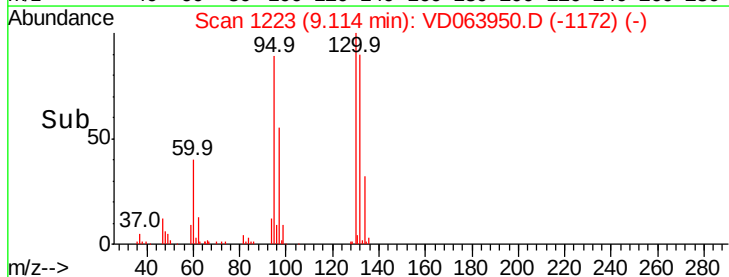
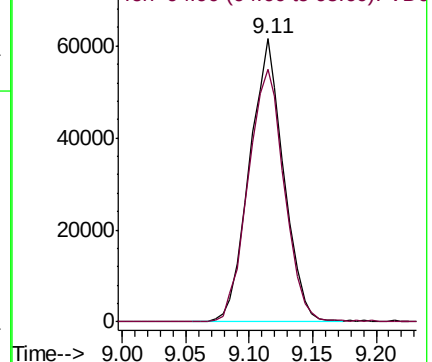
Tgt Ion:130 Resp: 115324

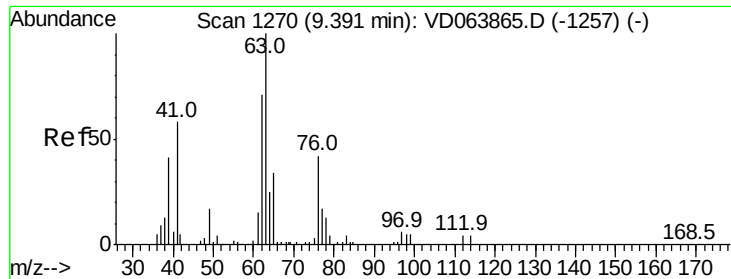
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.557 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

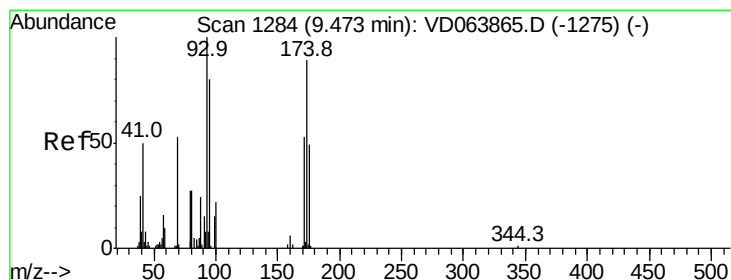
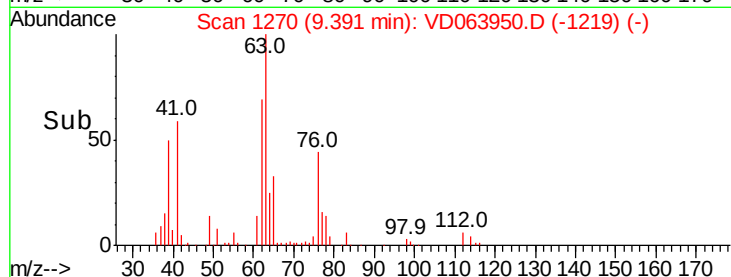
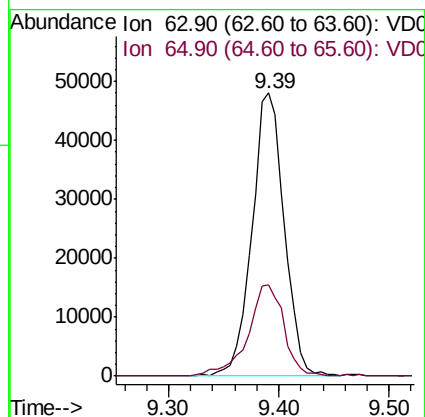
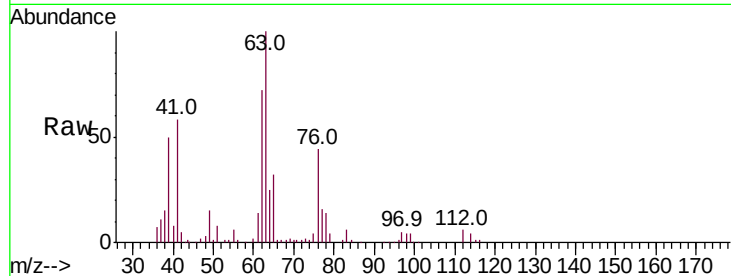
ClientSampleId :

Tot Ion: 63 Resp: 98376

Ion Ratio Lower Upper

63 100

65 32.4 27.3 40.9



#46

Dibromomethane

Concen: 53.615 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

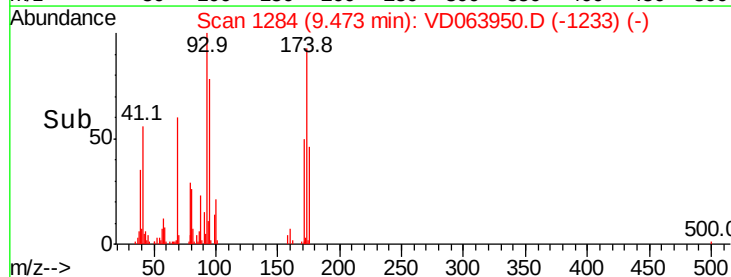
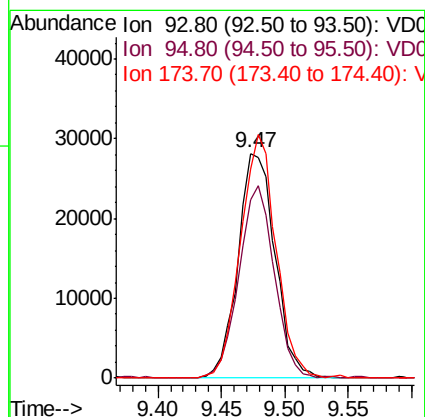
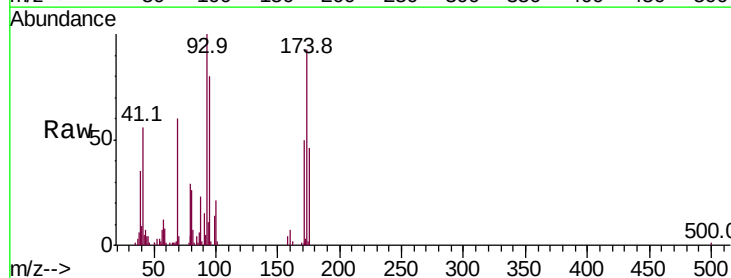
Tgt Ion: 93 Resp: 57154

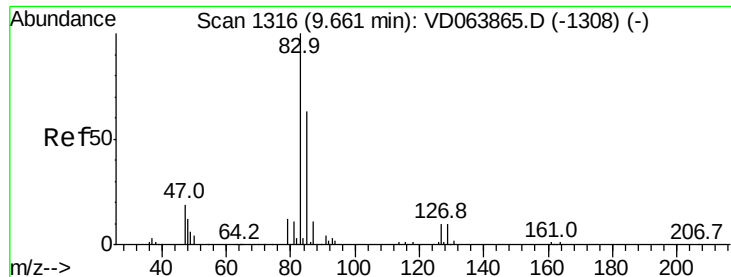
Ion Ratio Lower Upper

93 100

95 81.7 66.0 99.0

174 104.1 83.4 125.0





#47

Bromodichloromethane

Concen: 52.082 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

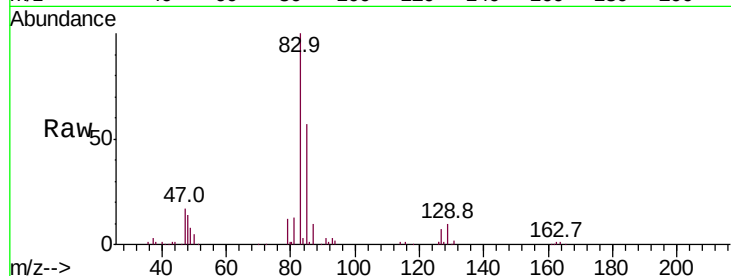
Tot Ion: 83 Resp: 142941

Ion Ratio Lower Upper

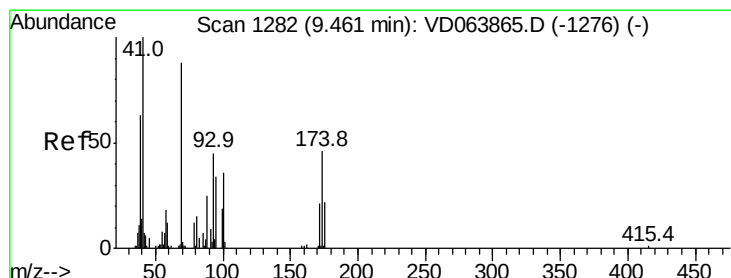
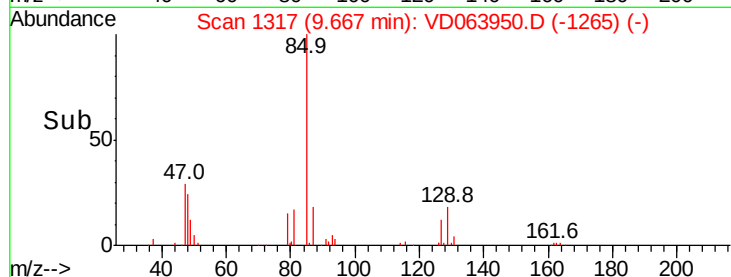
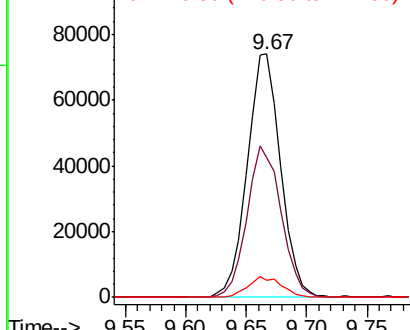
83 100

85 57.3 50.2 75.2

127 7.1 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): VDC



#48

Methyl methacrylate

Concen: 45.232 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

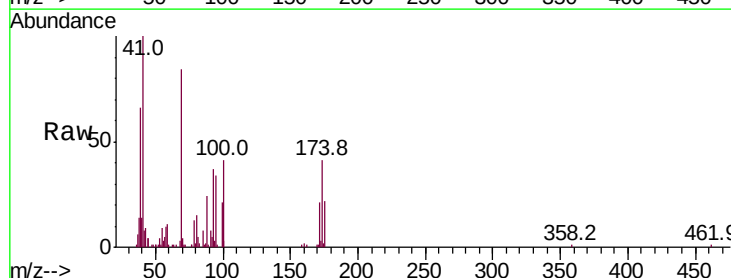
Tgt Ion: 41 Resp: 48501

Ion Ratio Lower Upper

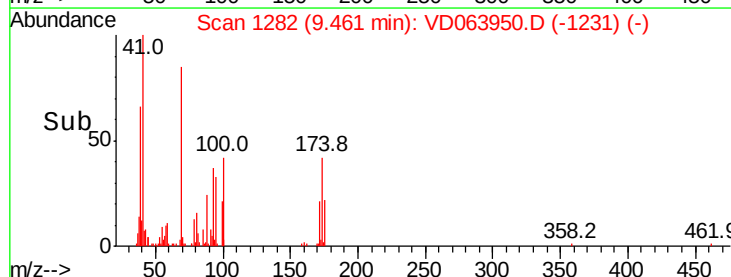
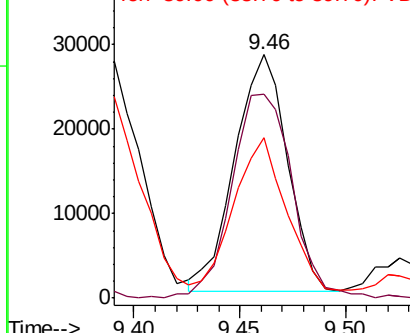
41 100

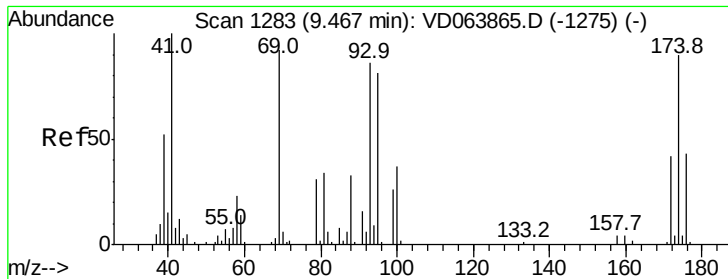
69 99.3 75.1 112.7

39 71.4 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: 1081.656 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampled :

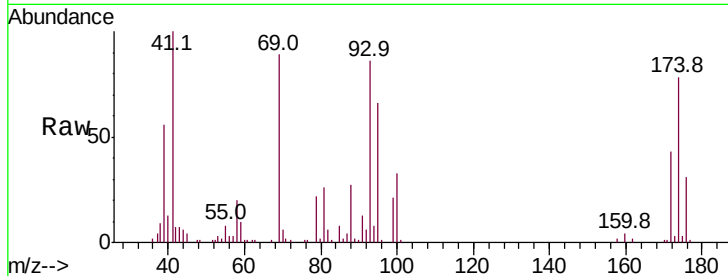
Tot Ion: 88 Resp: 15739

Ion Ratio Lower Upper

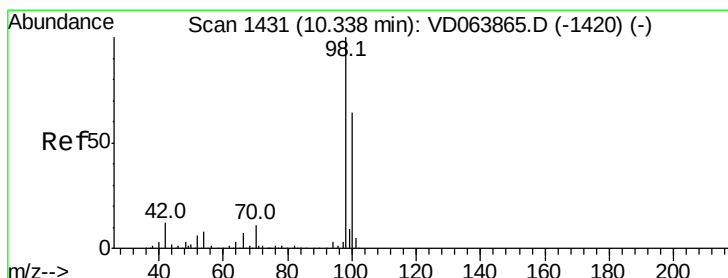
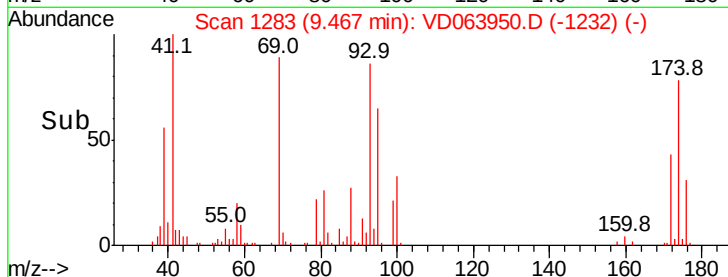
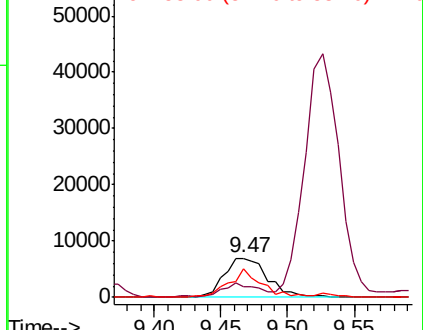
88 100

43 30.8 27.6 41.4

58 54.8 54.1 81.1



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



#50

Toluene-d8

Concen: 54.139 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063950.D

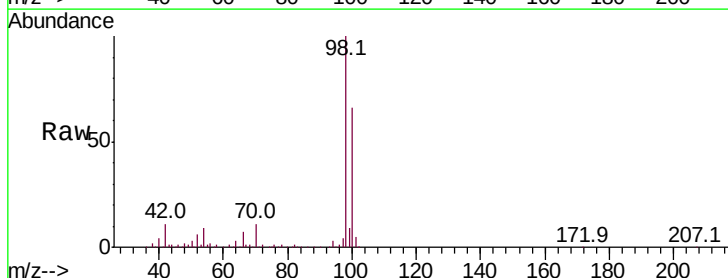
Acq: 14 Oct 2019 12:22

Tgt Ion: 98 Resp: 391939

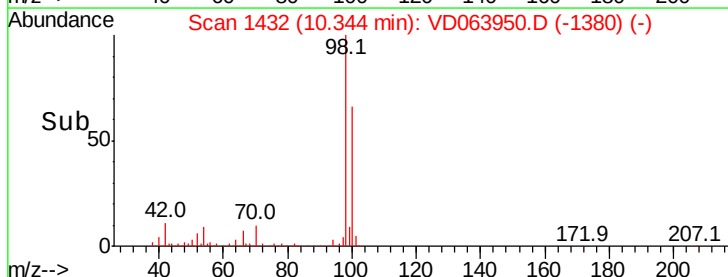
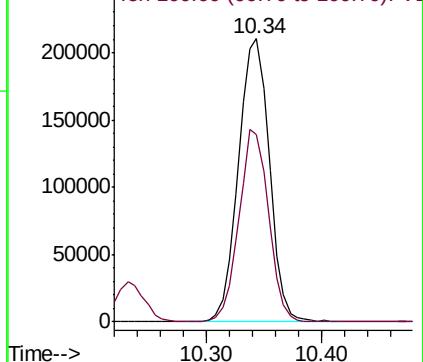
Ion Ratio Lower Upper

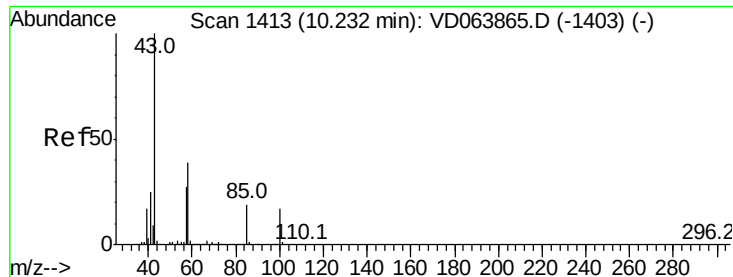
98 100

100 65.0 52.1 78.1



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

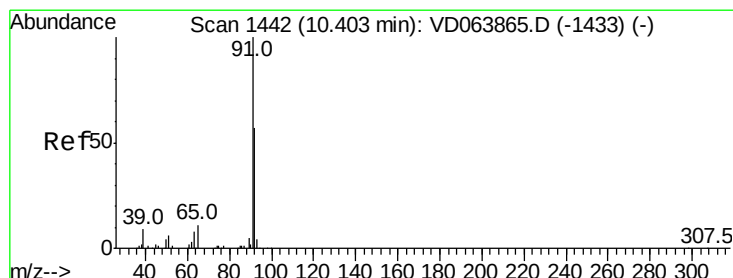
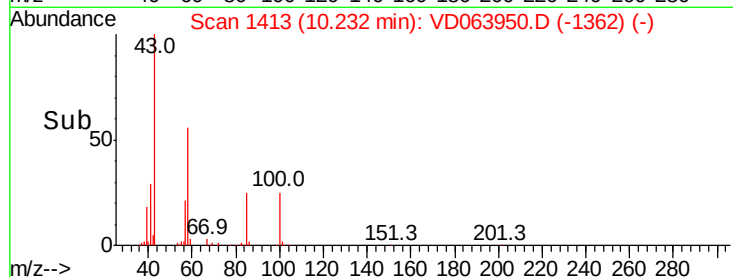
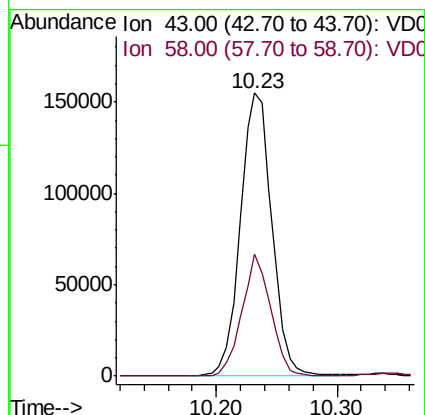
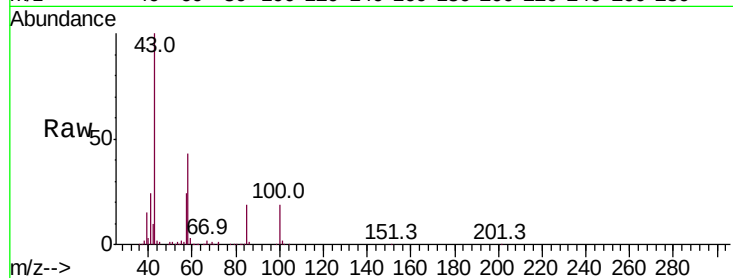




#51
 4-Methyl-2-Pentanone
 Concen: 243.141 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

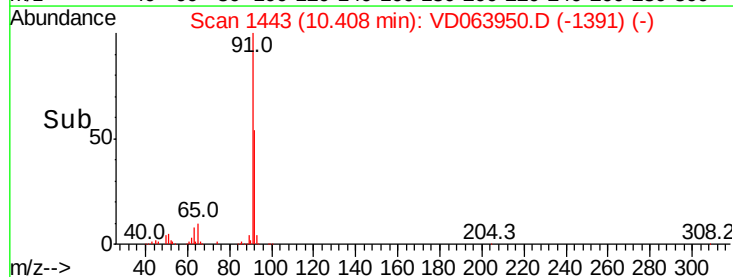
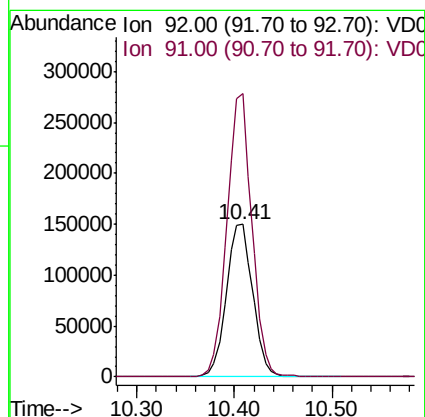
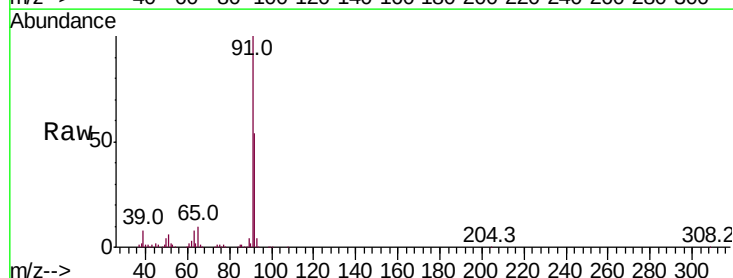
Instrument :
 MSVOA_D
 ClientSampleId :

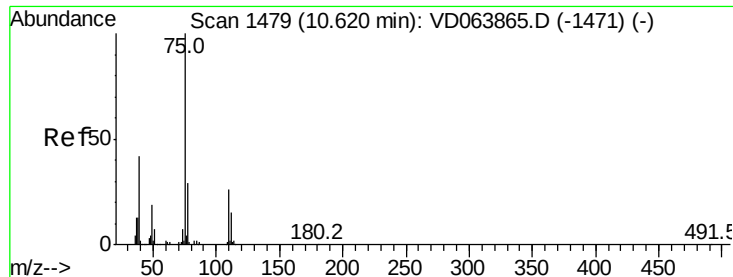
Tot Ion: 43 Resp: 282199
 Ion Ratio Lower Upper
 43 100
 58 39.7 33.0 49.4



#52
 Toluene
 Concen: 53.556 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 92 Resp: 281154
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.5 209.3

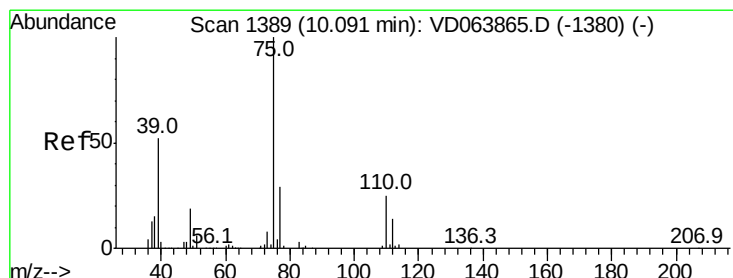
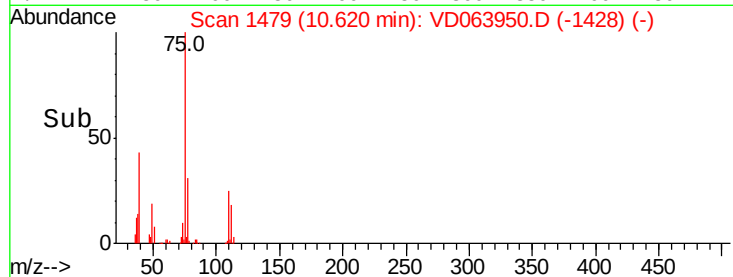
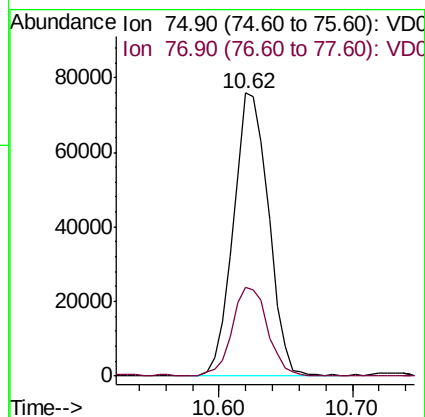
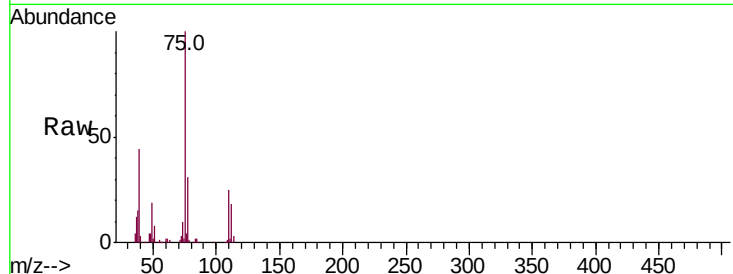




#53
t-1,3-Dichloropropene
Concen: 51.917 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

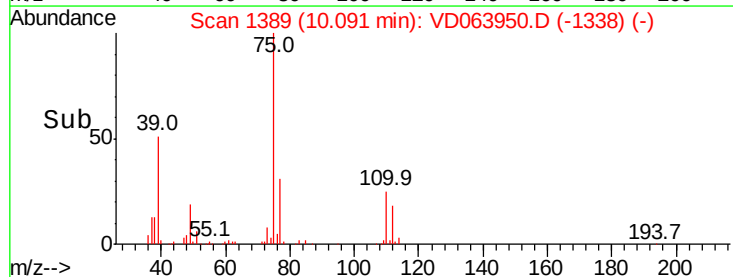
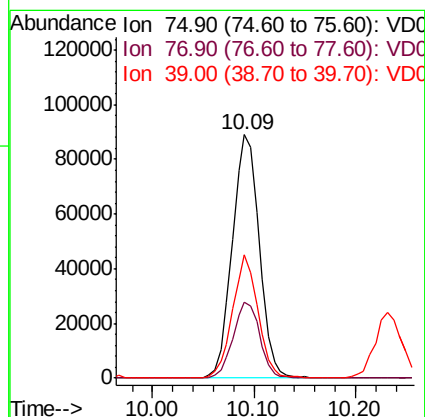
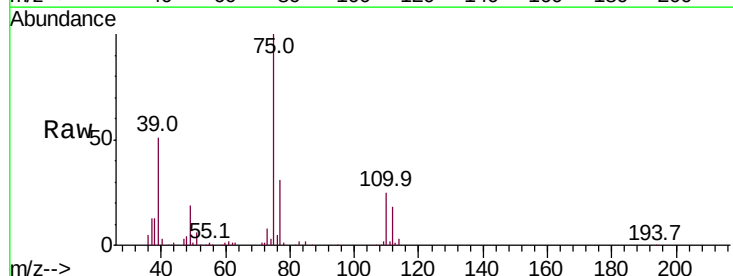
Instrument :
MSVOA_D
ClientSampleId :

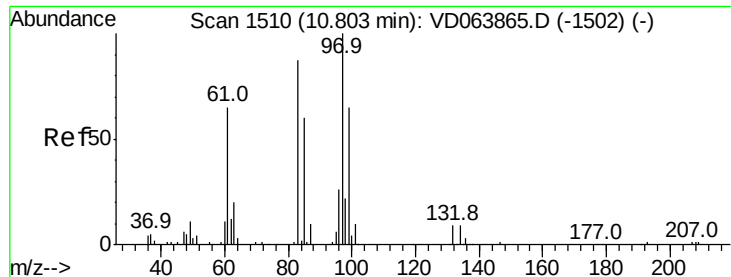
Tot Ion: 75 Resp: 139043
Ion Ratio Lower Upper
75 100
77 31.5 22.8 34.2



#54
cis-1,3-Dichloropropene
Concen: 53.296 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 75 Resp: 164304
Ion Ratio Lower Upper
75 100
77 31.1 23.2 34.8
39 50.8 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 53.578 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 80643

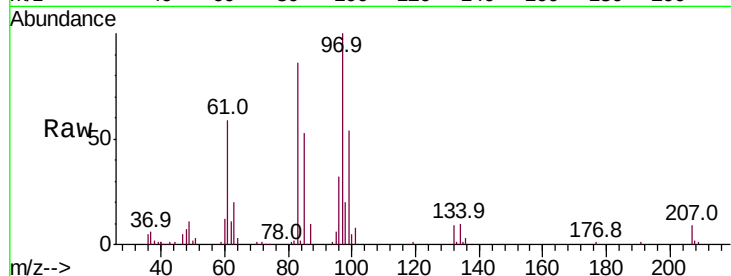
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.7	104.5
85	53.3	48.1	72.1
99	54.6	51.9	77.9

97 100

83 86.4 69.7 104.5

85 53.3 48.1 72.1

99 54.6 51.9 77.9

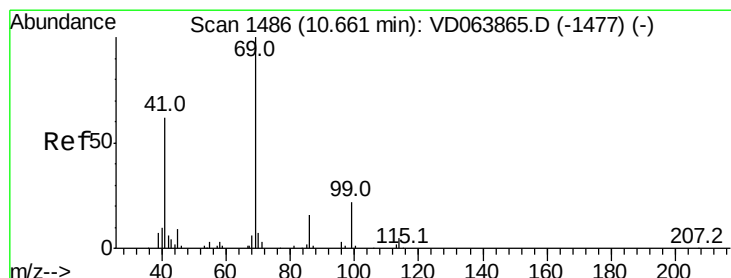
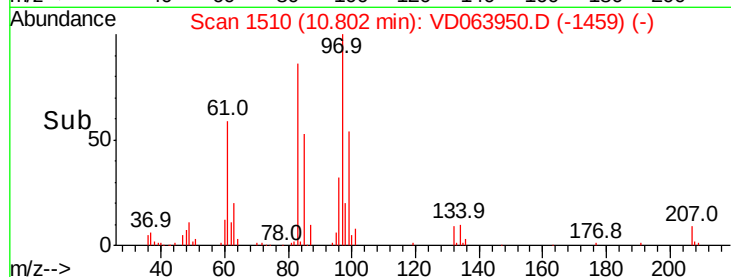
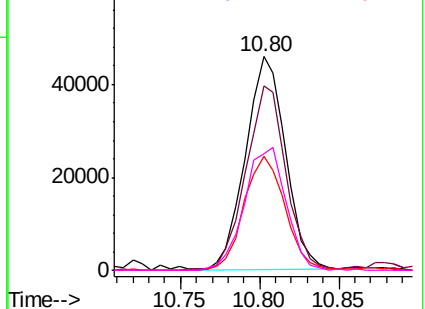


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 50.203 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

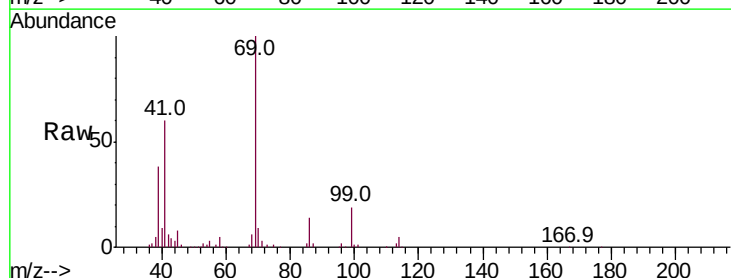
Tgt Ion: 69 Resp: 95690

Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.3	76.9
39	37.7	28.0	42.0

69 100

41 63.6 51.3 76.9

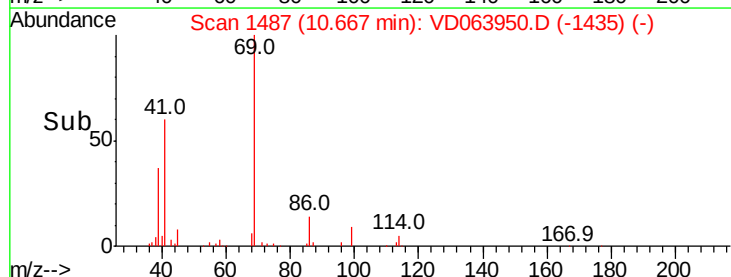
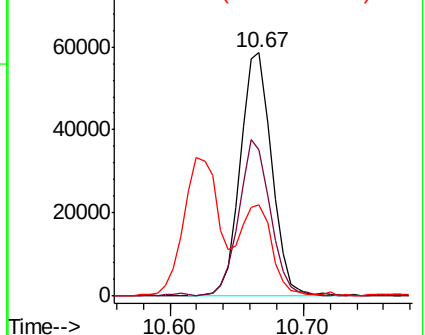
39 37.7 28.0 42.0

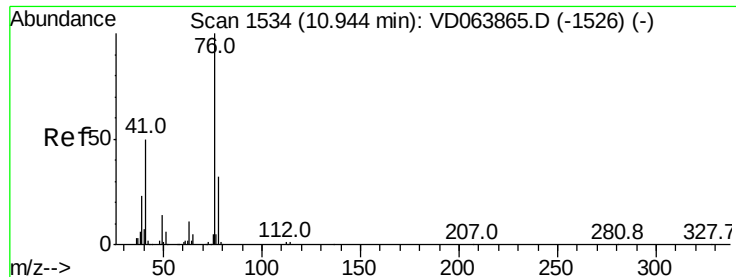


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.588 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

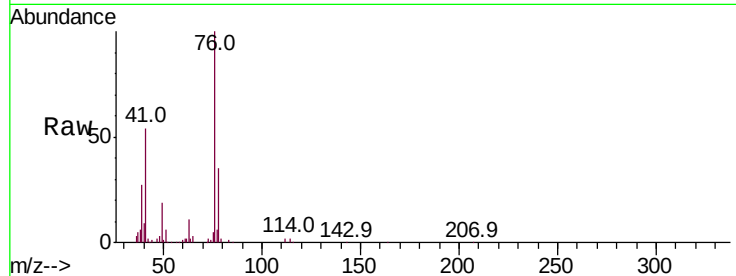
ClientSampled :

Tot Ion: 76 Resp: 135426

Ion Ratio Lower Upper

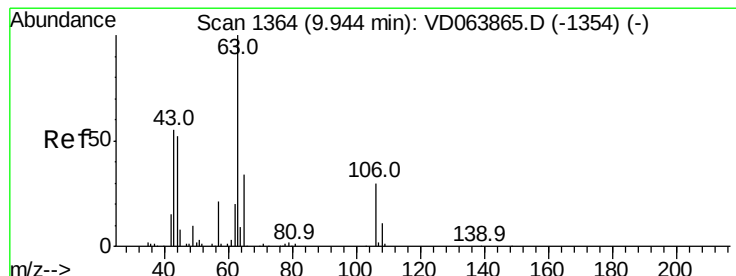
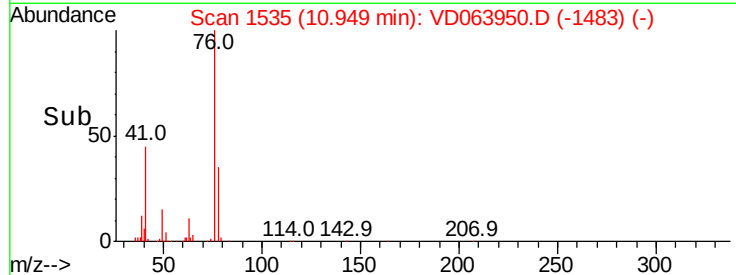
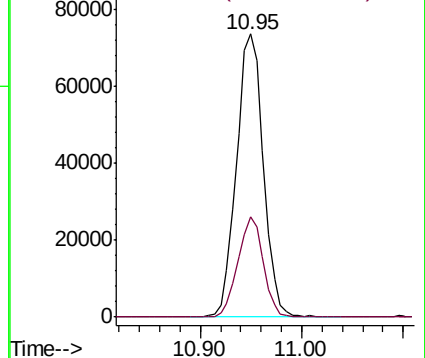
76 100

78 33.4 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.906 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063950.D

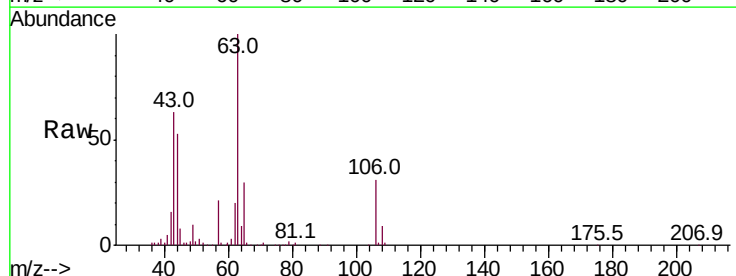
Acq: 14 Oct 2019 12:22

Tgt Ion: 63 Resp: 204746

Ion Ratio Lower Upper

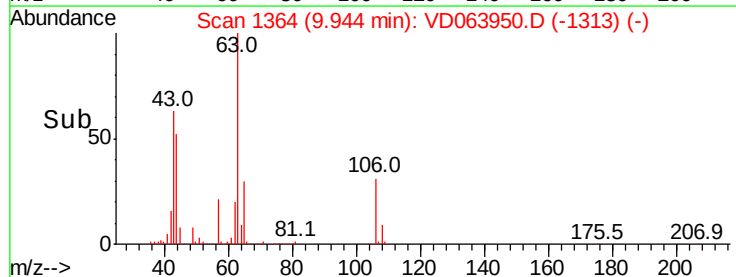
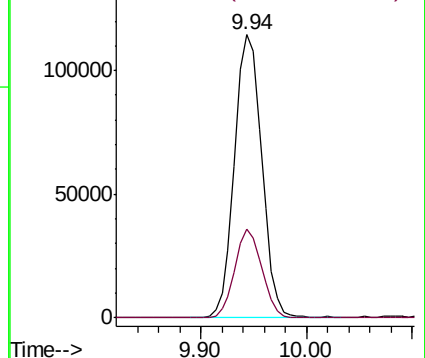
63 100

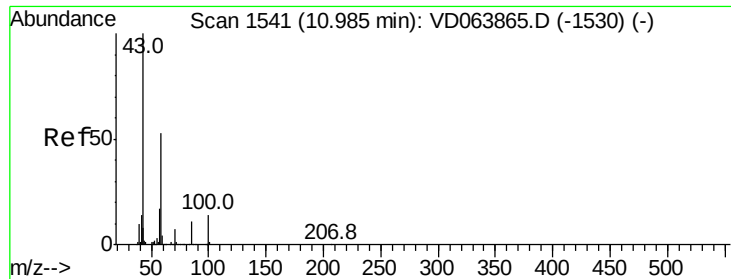
106 30.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

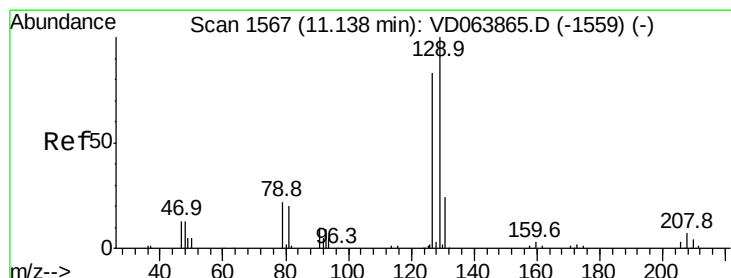
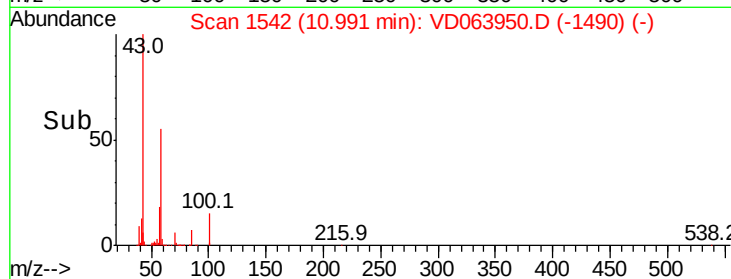
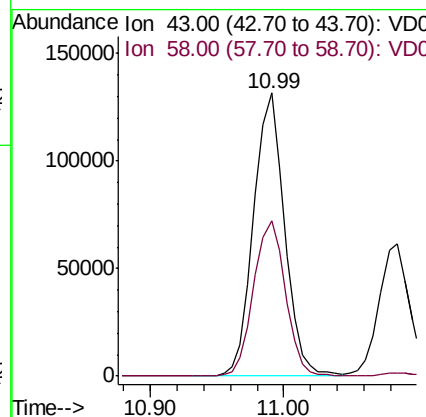
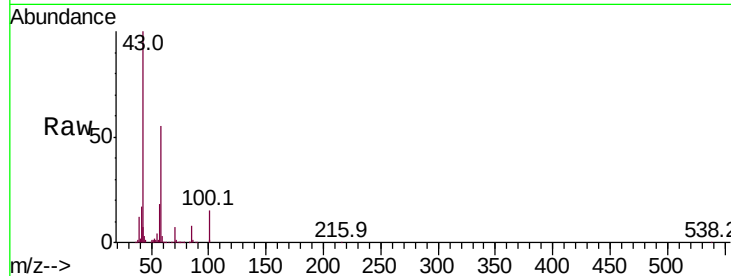




#59
2-Hexanone
Concen: 251.207 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

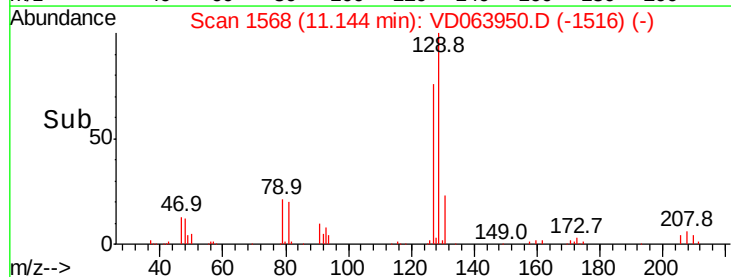
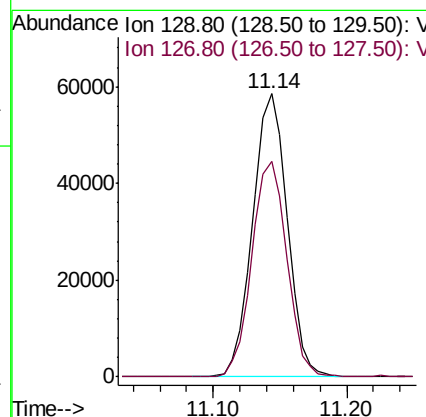
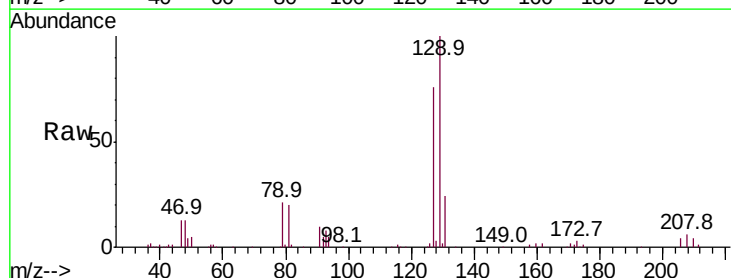
Instrument :
MSVOA_D
ClientSampled :

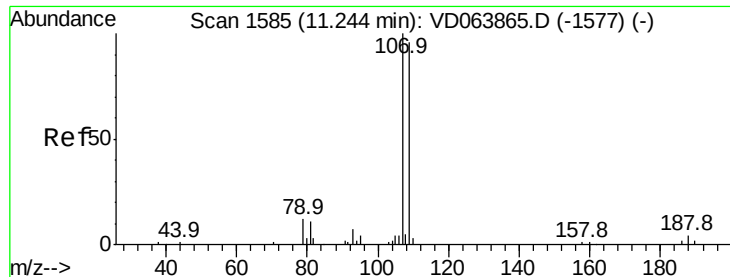
Tot Ion: 43 Resp: 210907
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.0



#60
Dibromochloromethane
Concen: 53.408 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion:129 Resp: 104656
Ion Ratio Lower Upper
129 100
127 77.2 39.9 119.6

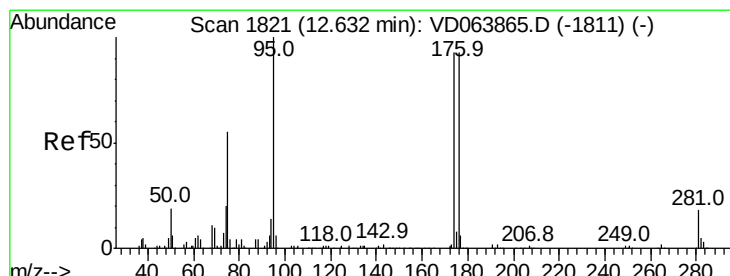
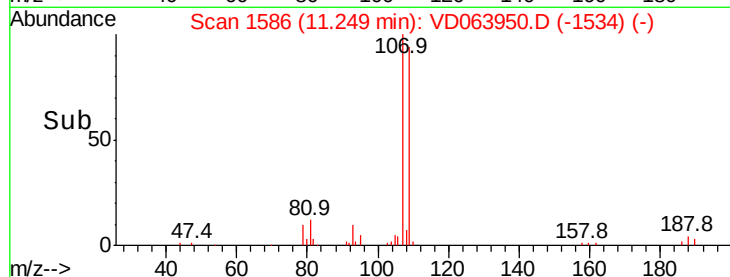
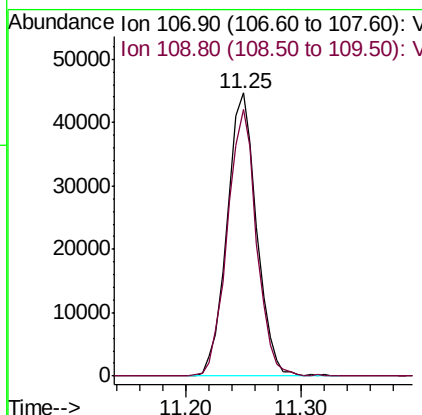
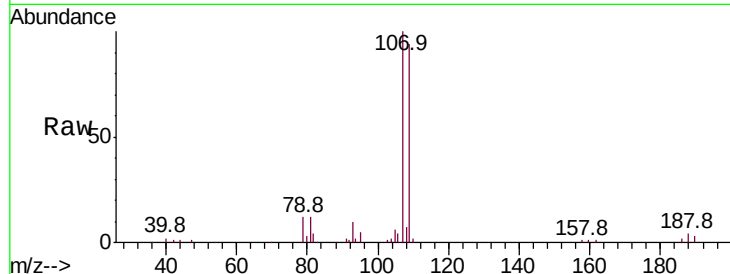




#61
 1,2-Dibromoethane
 Concen: 54.239 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

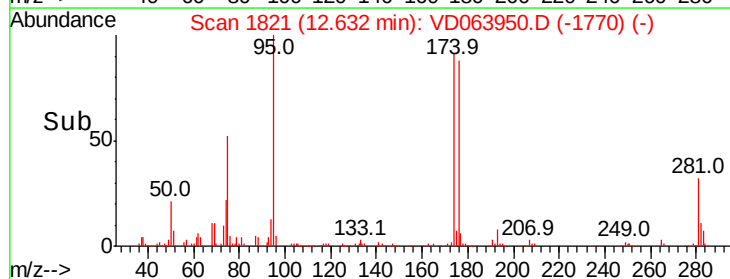
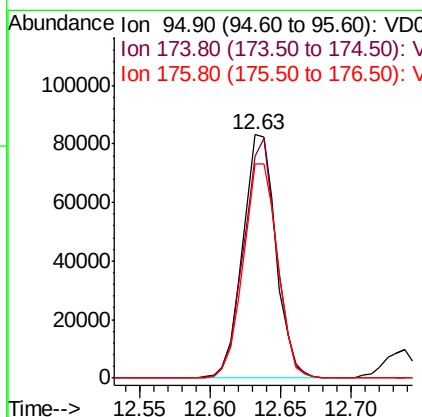
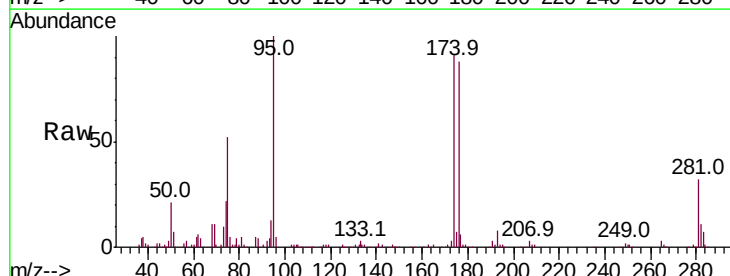
Instrument :
 MSVOA_D
 ClientSampleId :

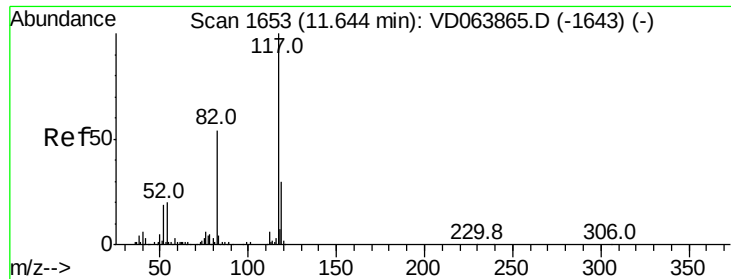
Tot Ion:107 Resp: 79144
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.514 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 95 Resp: 137142
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 186.4
 176 90.8 0.0 184.2

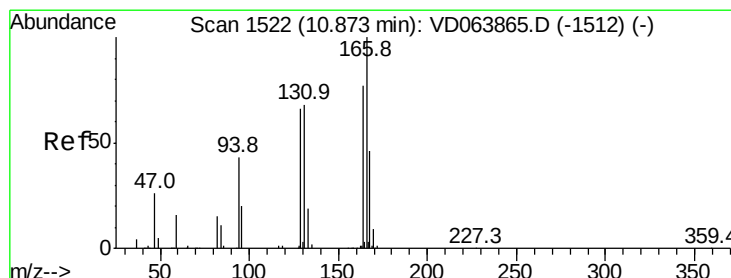
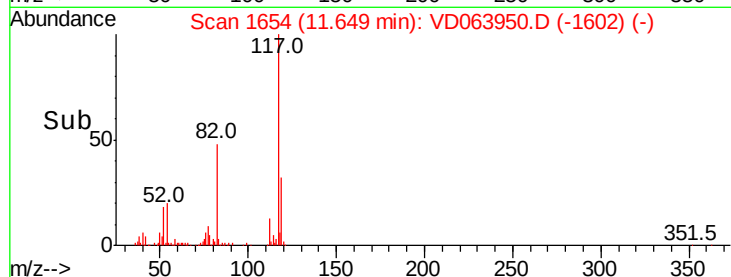
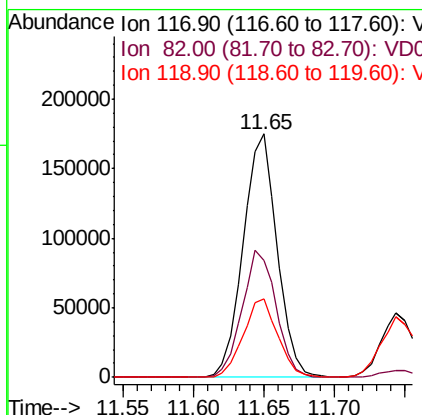
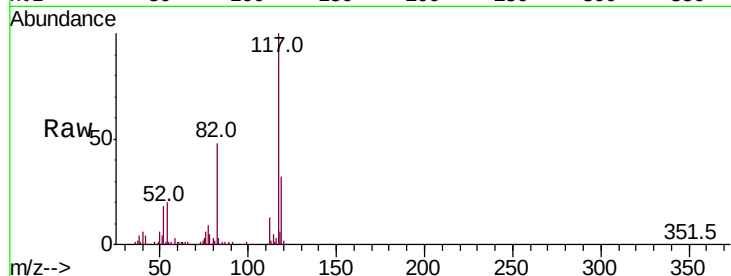




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

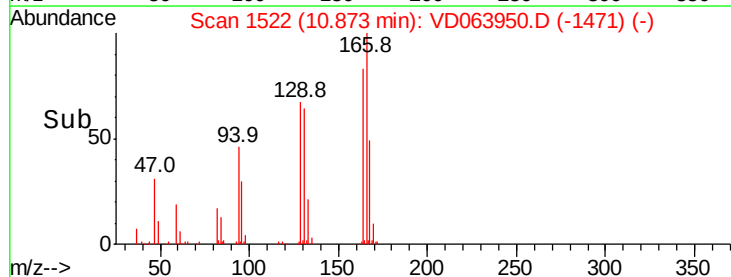
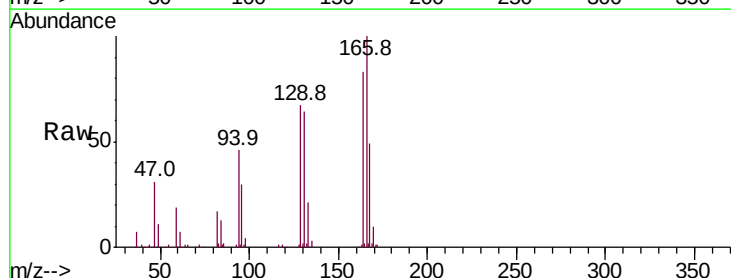
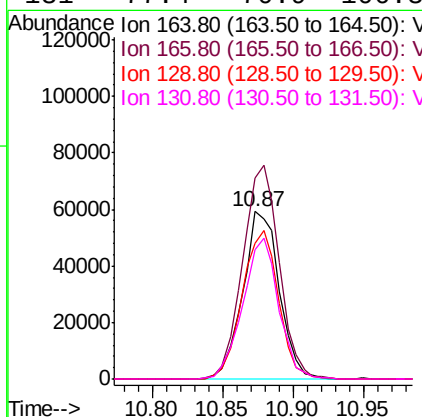
Instrument :
MSVOA_D
ClientSampleId :

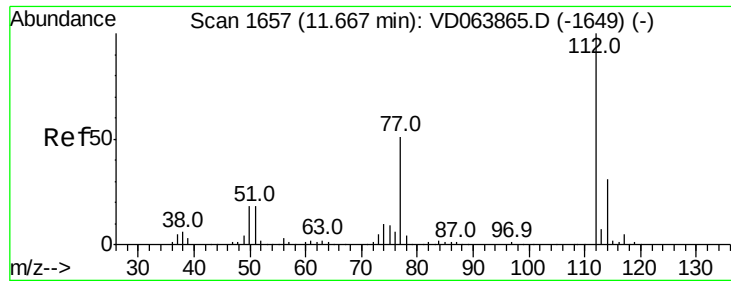
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.0	42.8	64.2
119	32.3	24.4	36.6



#64
Tetrachloroethene
Concen: 53.279 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.1	103.8	155.6
129	80.8	68.9	103.3
131	77.4	70.9	106.3

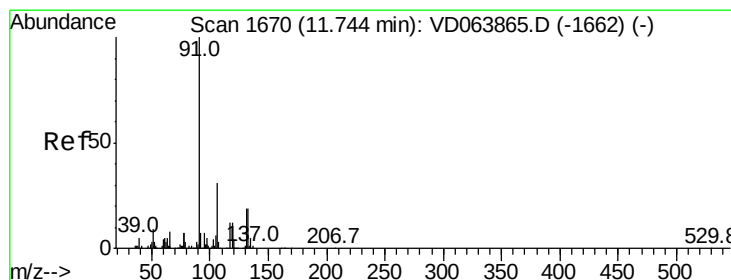
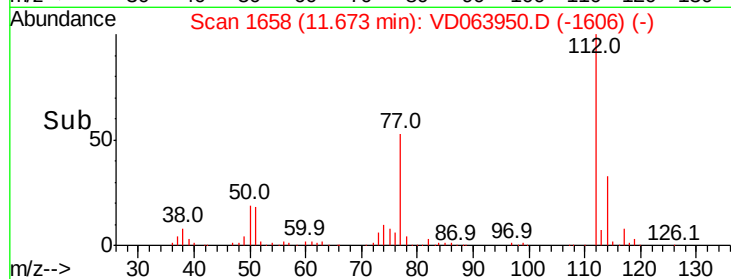
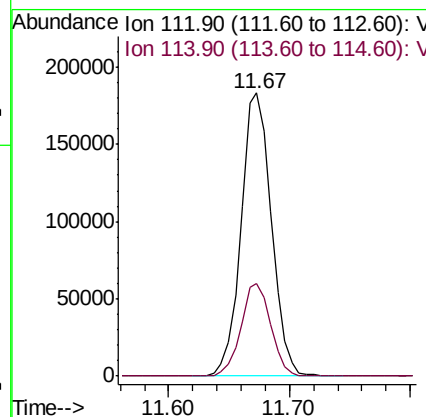
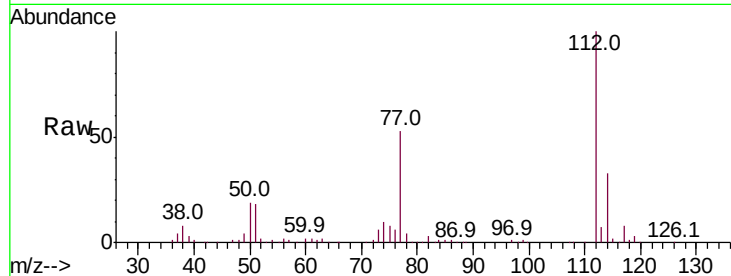




#65
Chlorobenzene
Concen: 54.264 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

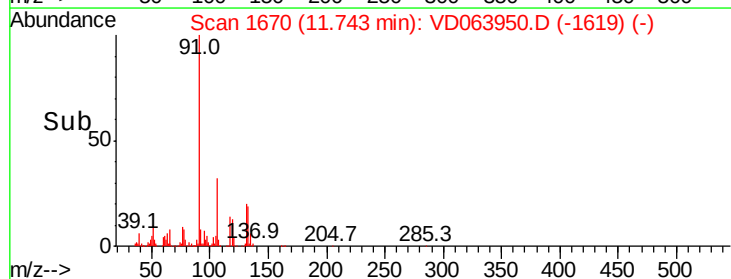
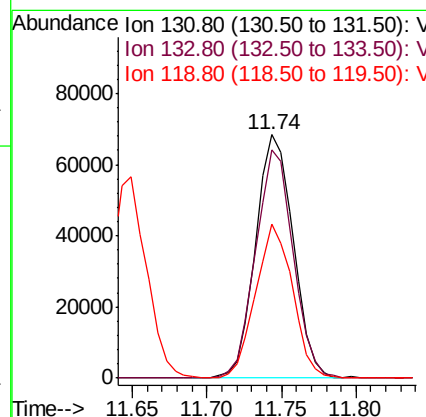
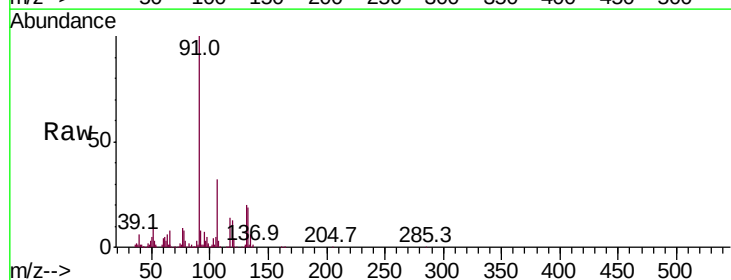
Instrument :
MSVOA_D
ClientSampleId :

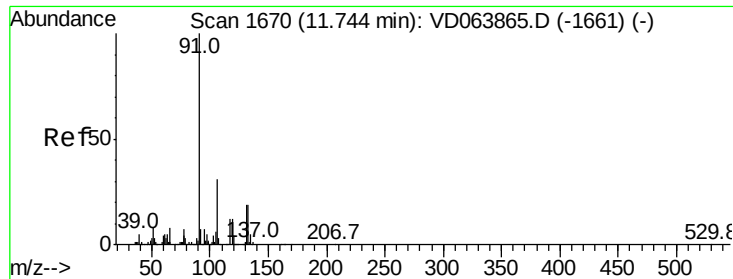
Tot Ion:112 Resp: 321303
Ion Ratio Lower Upper
112 100
114 33.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.605 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion:131 Resp: 119138
Ion Ratio Lower Upper
131 100
133 93.6 48.9 146.7
119 62.0 32.6 97.8





#67

Ethyl Benzene

Concen: 53.036 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

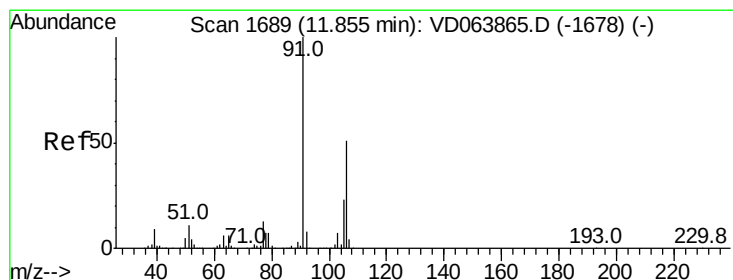
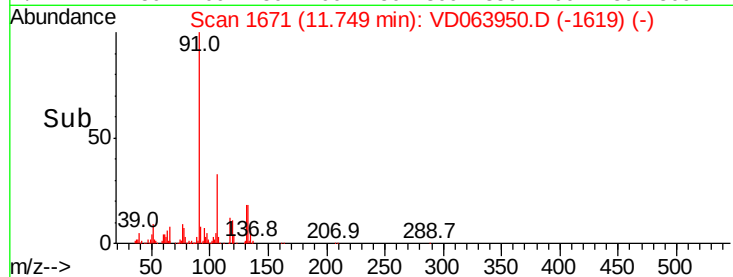
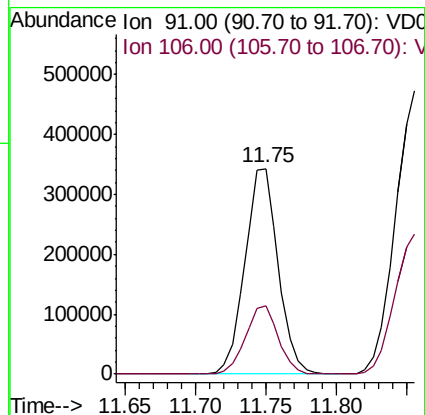
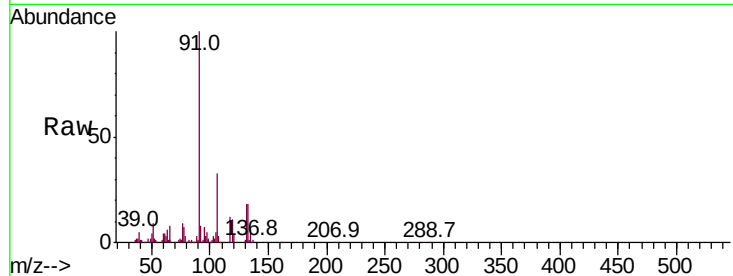
ClientSampleId :

Tot Ion: 91 Resp: 566256

Ion Ratio Lower Upper

91 100

106 33.4 24.6 37.0



#68

m/p-Xylenes

Concen: 109.269 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063950.D

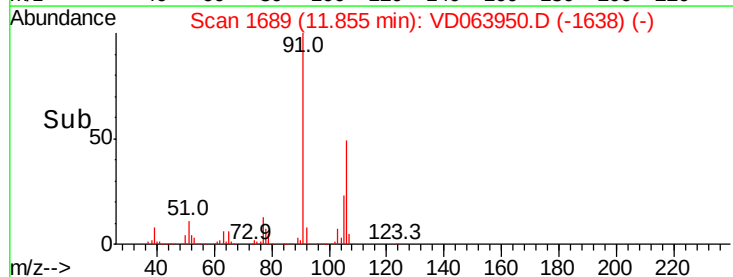
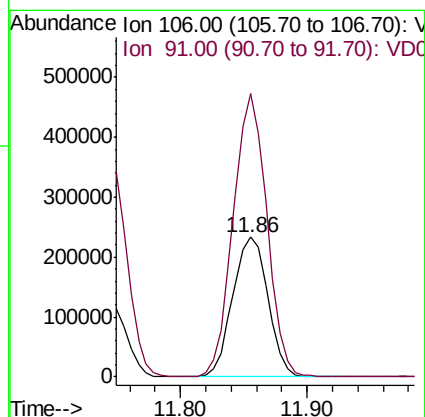
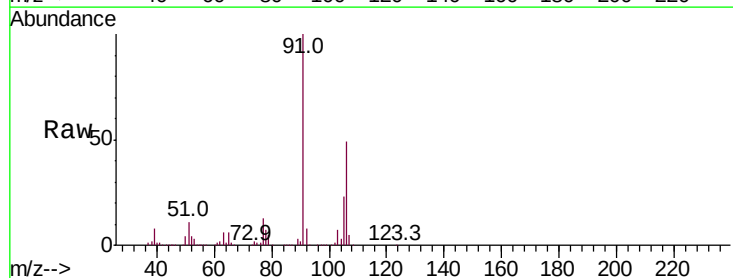
Acq: 14 Oct 2019 12:22

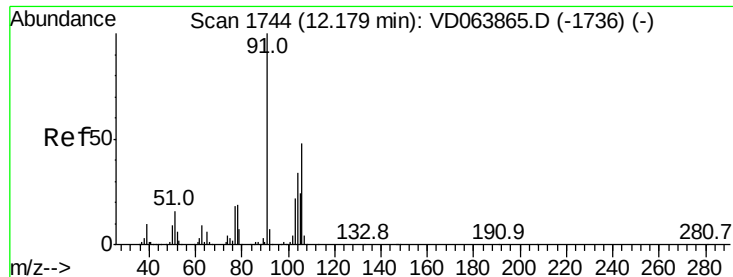
Tgt Ion: 106 Resp: 450304

Ion Ratio Lower Upper

106 100

91 193.6 154.8 232.2

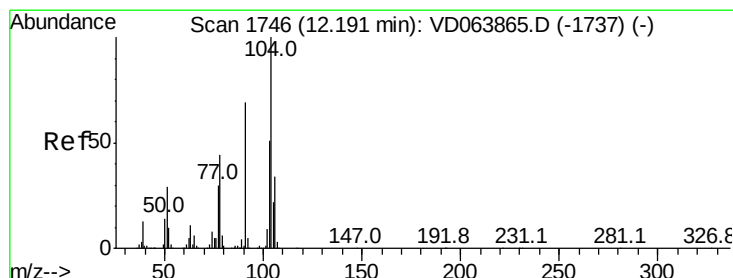
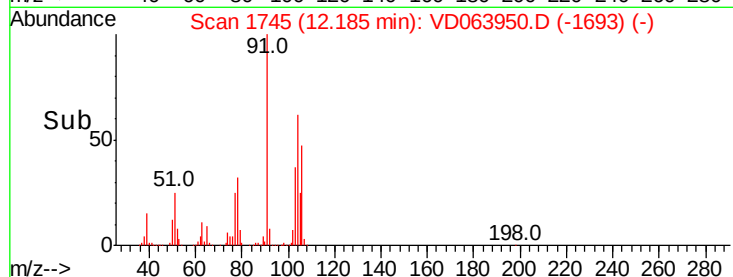
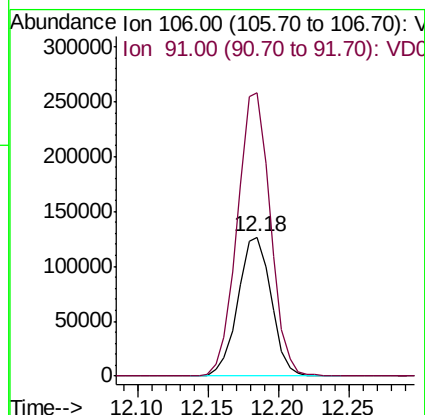
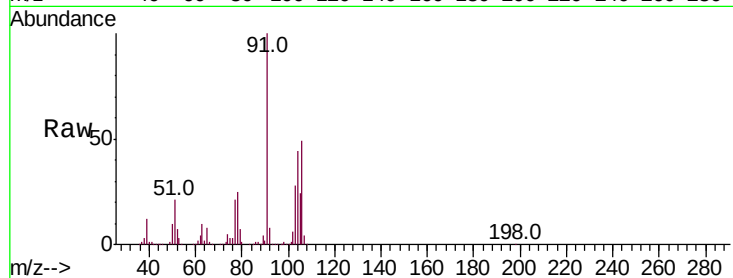




#69
o-Xylene
Concen: 52.789 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

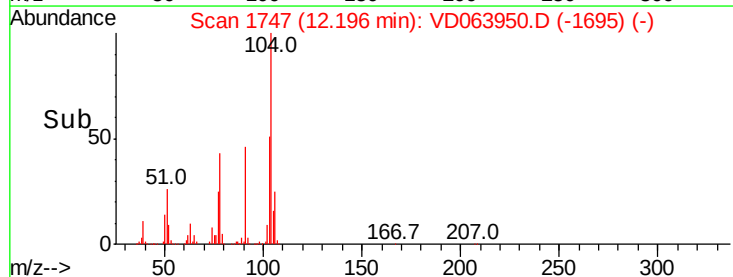
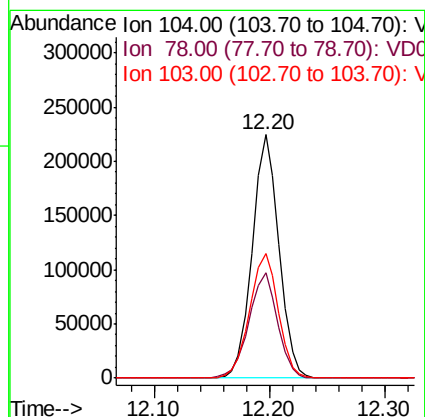
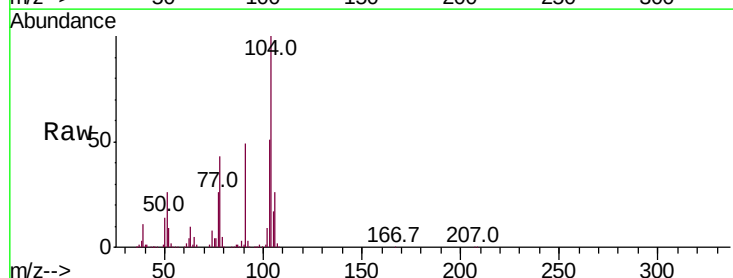
Instrument :
MSVOA_D
ClientSampled :

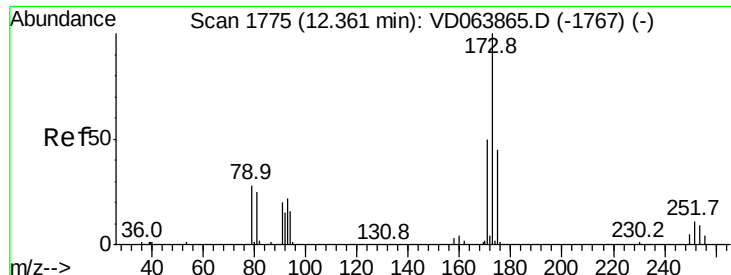
Tot Ion:106 Resp: 208309
Ion Ratio Lower Upper
106 100
91 203.4 103.9 311.7



#70
Styrene
Concen: 54.035 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion:104 Resp: 360965
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 55.3 44.2 66.4





#71

Bromoform

Concen: 55.465 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampled :

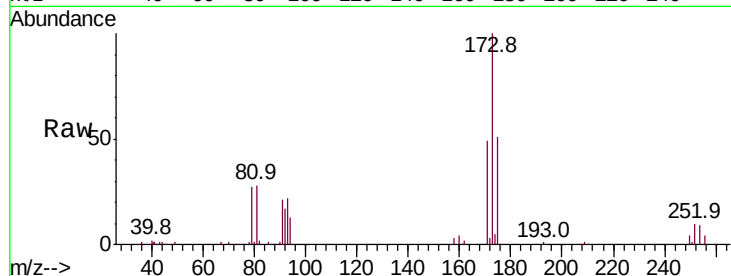
Tot Ion:173 Resp: 64944

Ion Ratio Lower Upper

173 100

175 51.0 24.6 74.0

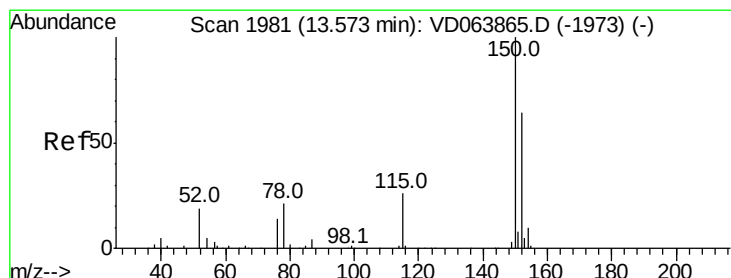
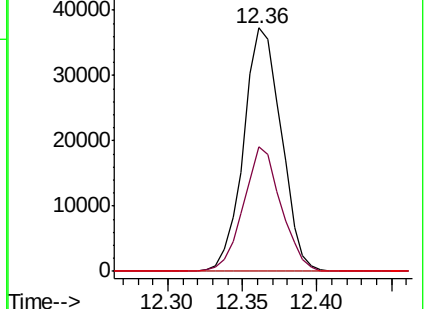
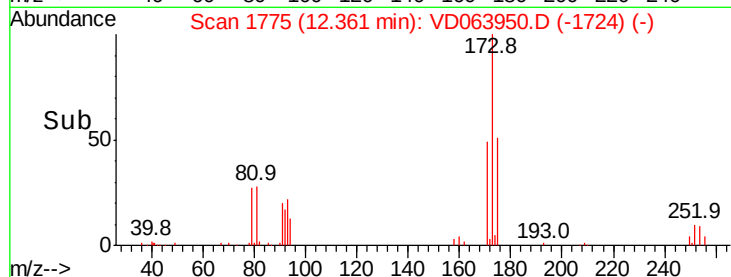
254 0.0 0.0 0.0



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: VD063950.D

Acq: 14 Oct 2019 12:22

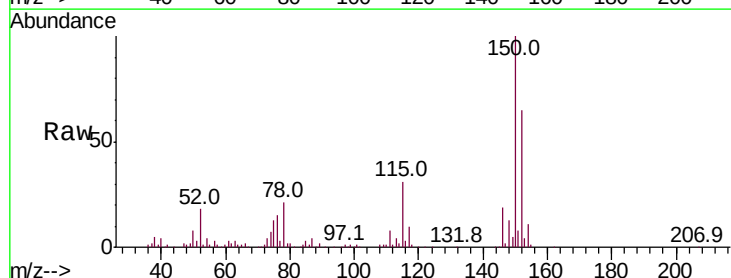
Tgt Ion:152 Resp: 168528

Ion Ratio Lower Upper

152 100

115 51.4 25.9 77.7

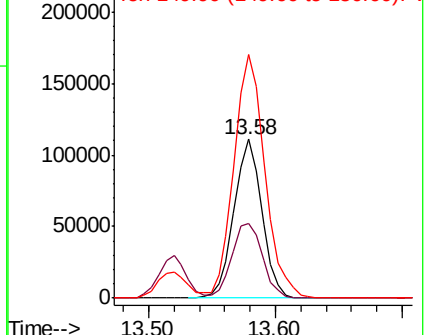
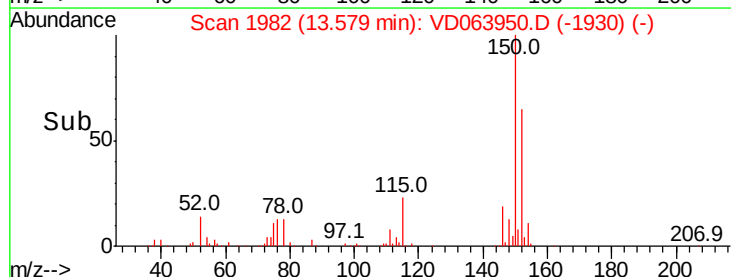
150 170.7 0.0 344.2

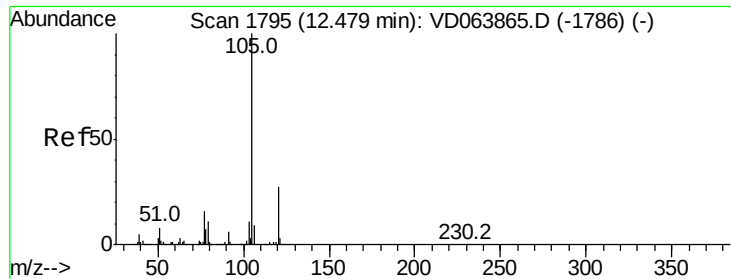


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.782 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

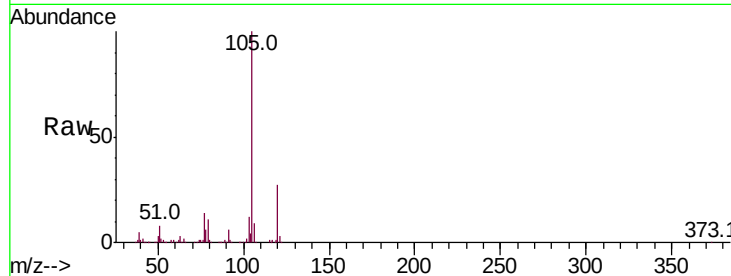
ClientSampleId :

Tot Ion:105 Resp: 575324

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

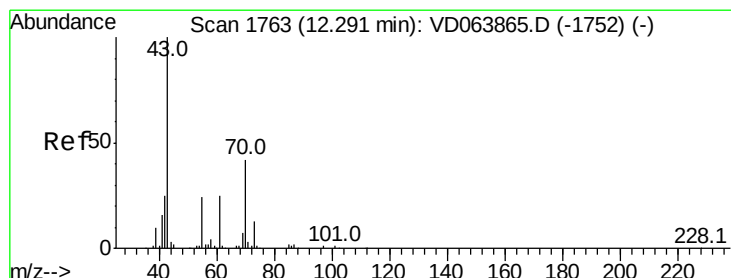
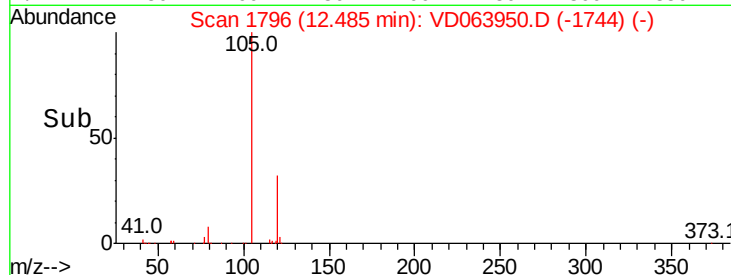
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 45.545 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion: 43 Resp: 111093

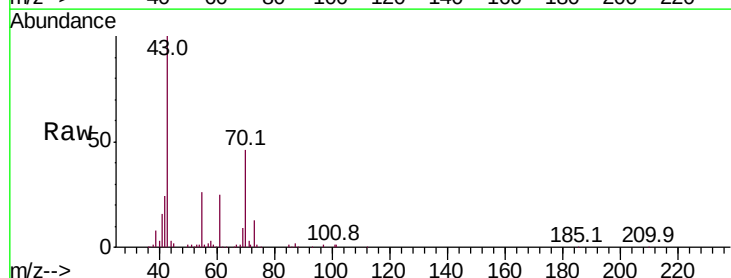
Ion Ratio Lower Upper

43 100

70 44.5 35.8 53.6

55 25.9 19.4 29.0

61 24.3 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

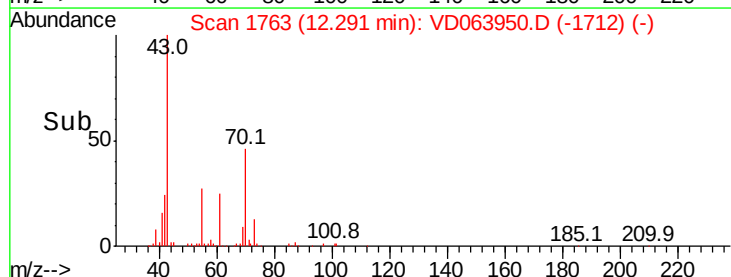
60000

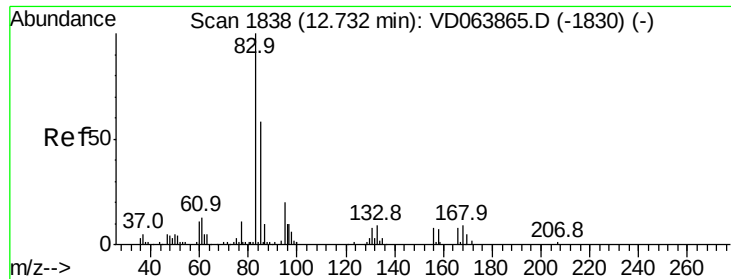
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.802 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

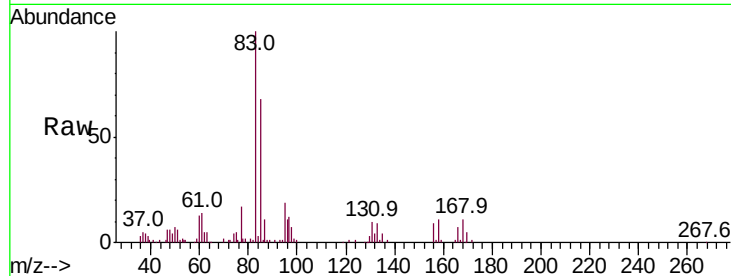
Tot Ion: 83 Resp: 90297

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

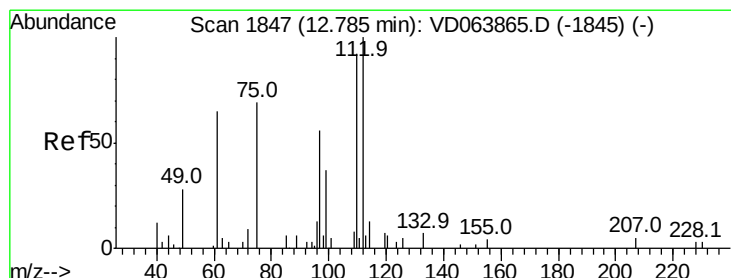
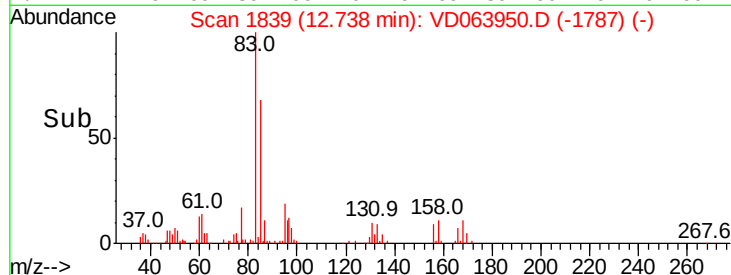
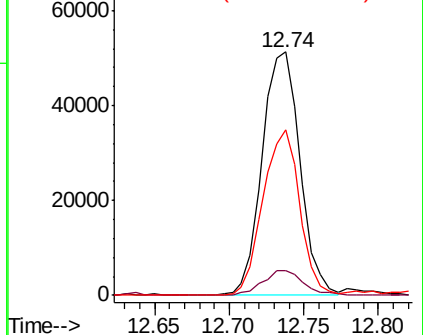
85 65.8 32.3 96.8



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: 105.392 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063950.D

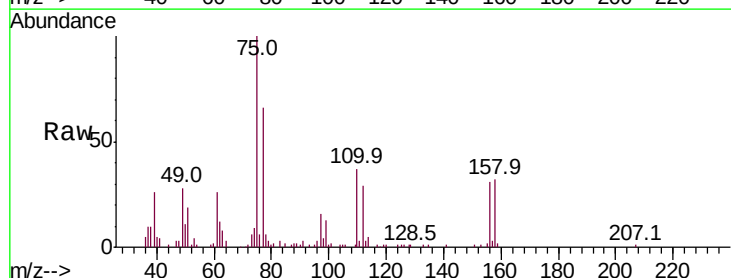
Acq: 14 Oct 2019 12:22

Tgt Ion: 75 Resp: 118962

Ion Ratio Lower Upper

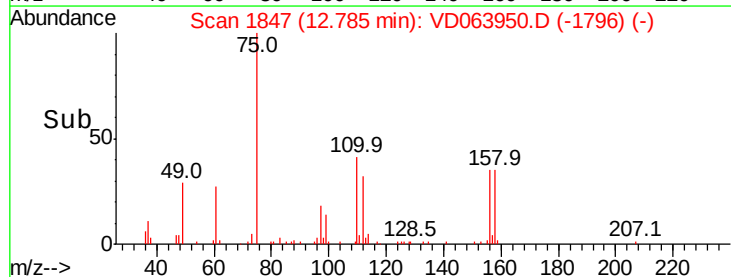
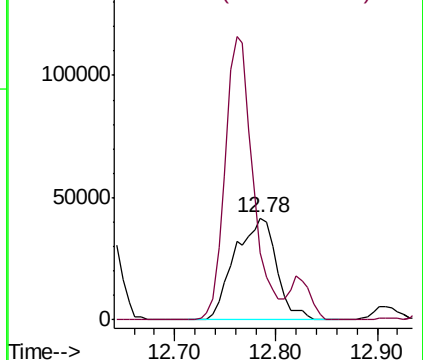
75 100

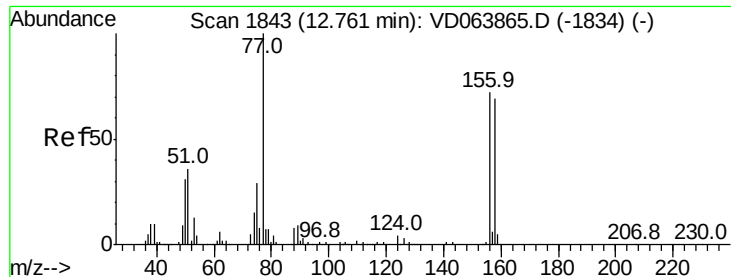
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.113 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

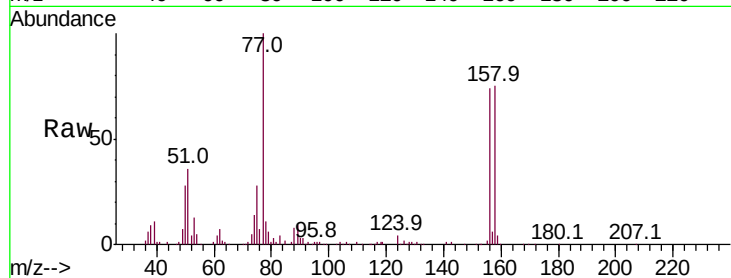
Tot Ion:156 Resp: 141449

Ion Ratio Lower Upper

156 100

77 158.1 80.3 241.0

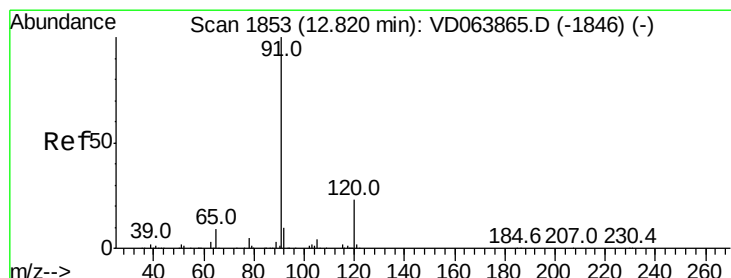
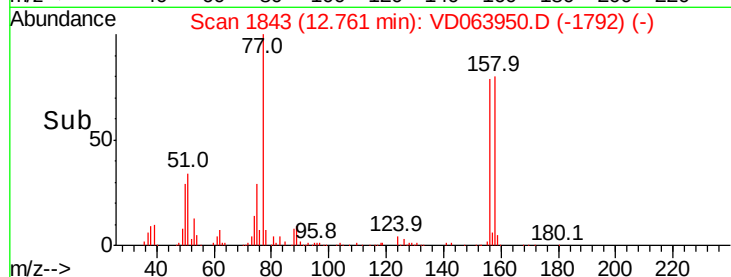
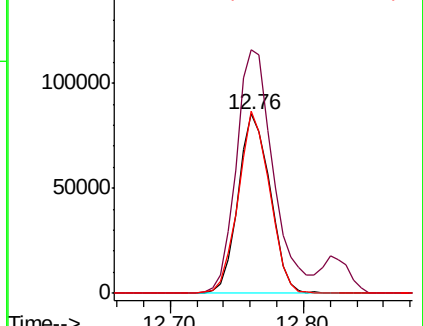
158 99.6 47.4 142.2



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: 50.390 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063950.D

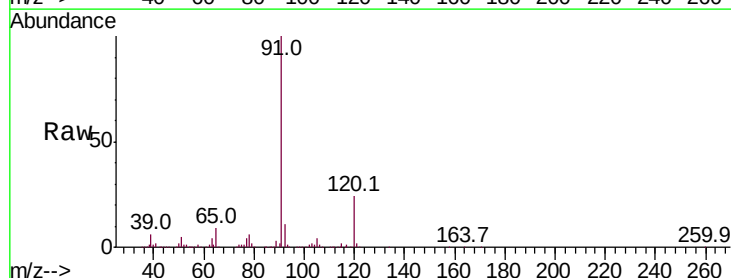
Acq: 14 Oct 2019 12:22

Tgt Ion: 91 Resp: 670102

Ion Ratio Lower Upper

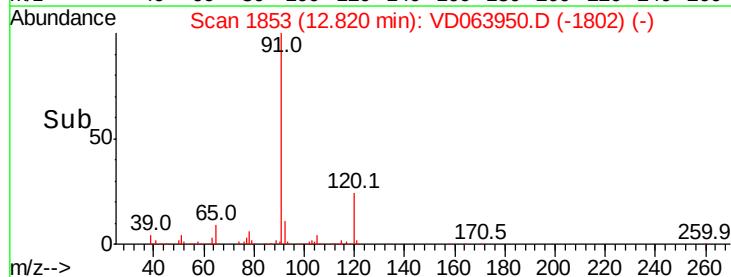
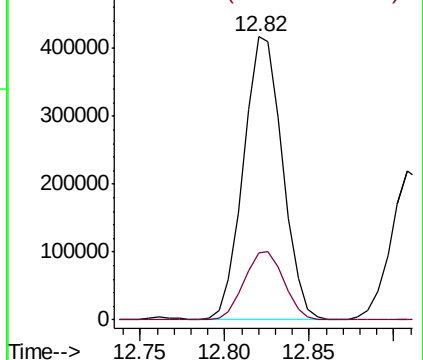
91 100

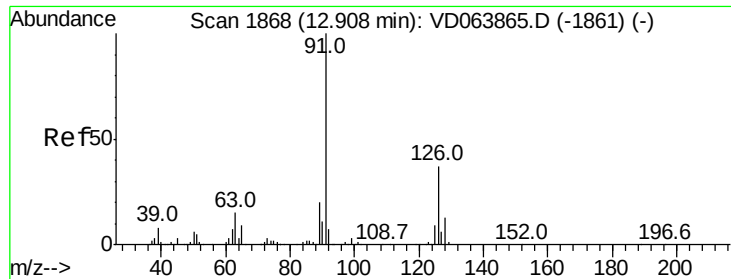
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

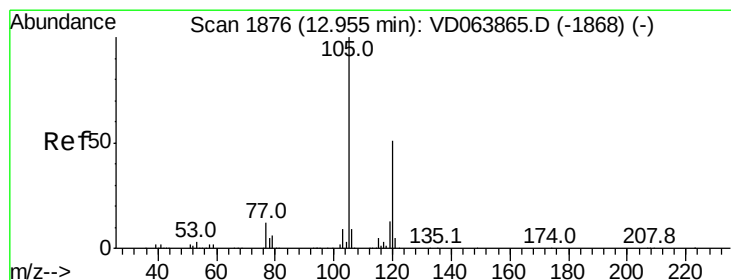
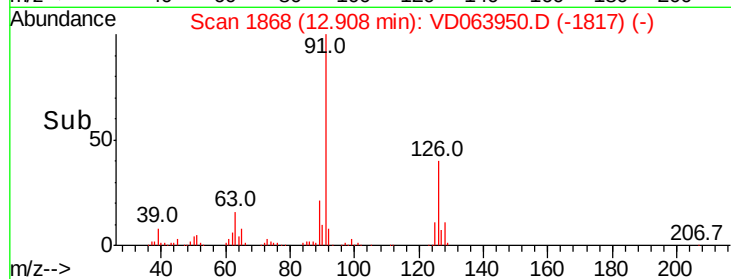
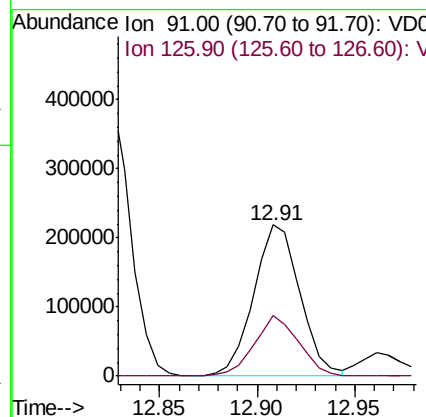
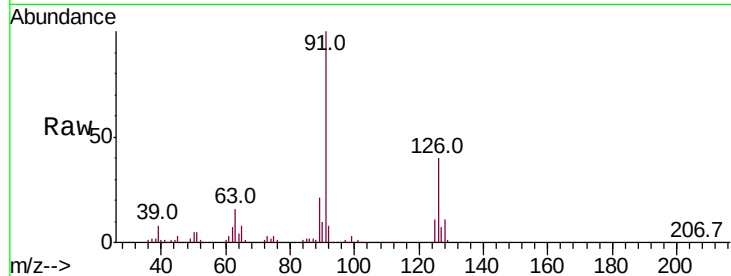




#79
 2-Chlorotoluene
 Concen: 48.978 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

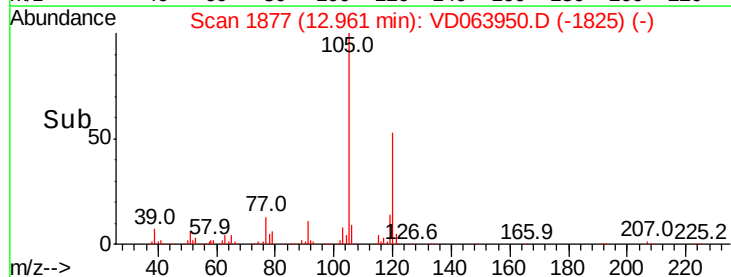
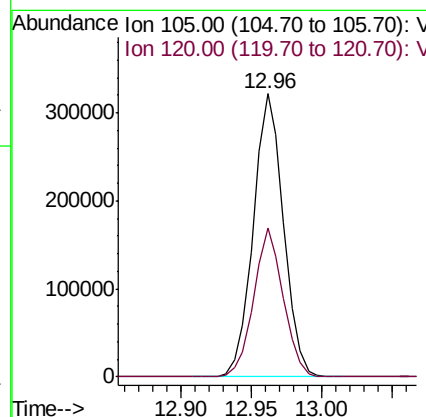
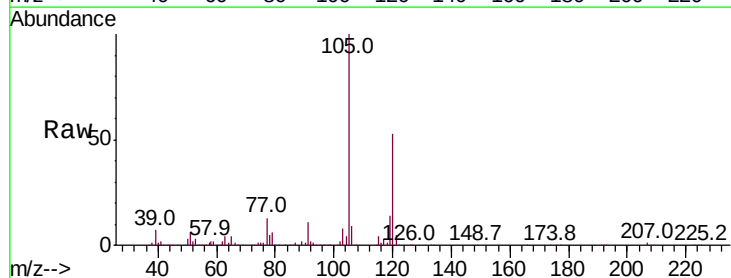
Instrument :
 MSVOA_D
 ClientSampled :

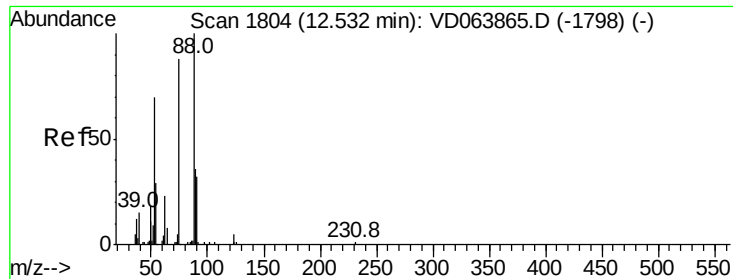
Tot Ion: 91 Resp: 359136
 Ion Ratio Lower Upper
 91 100
 126 38.4 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 51.220 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion:105 Resp: 484116
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.484 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

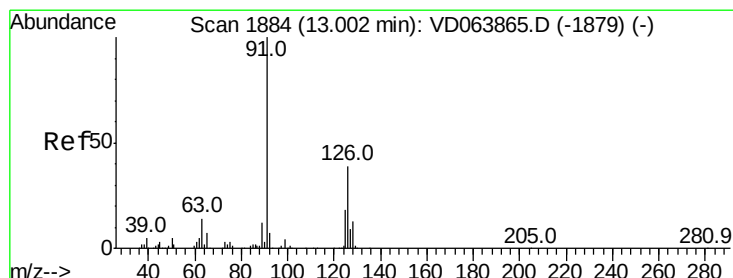
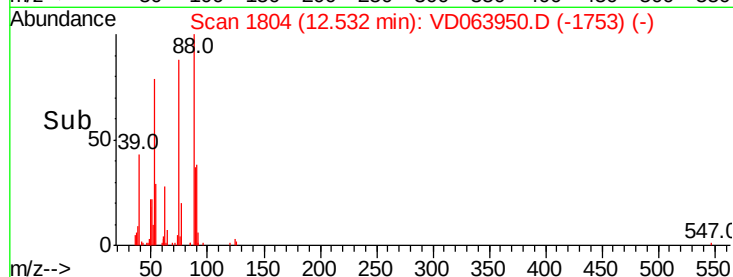
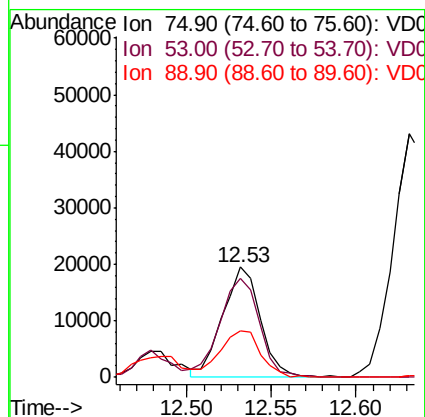
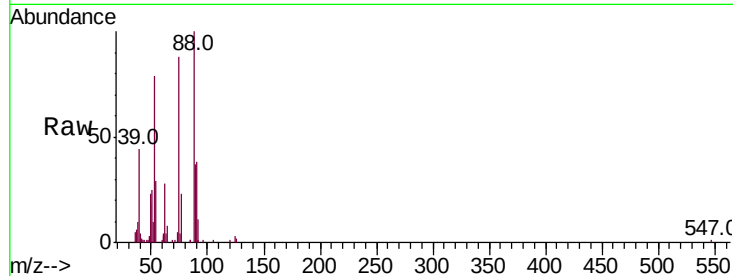
Tot Ion: 75 Resp: 30288

Ion Ratio Lower Upper

75 100

53 95.6 75.0 112.6

89 46.2 38.2 57.4



#82

4-Chlorotoluene

Concen: 49.187 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063950.D

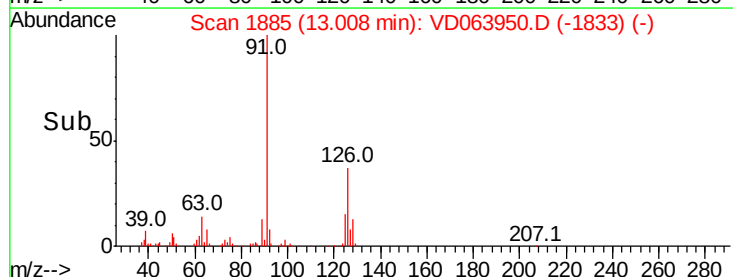
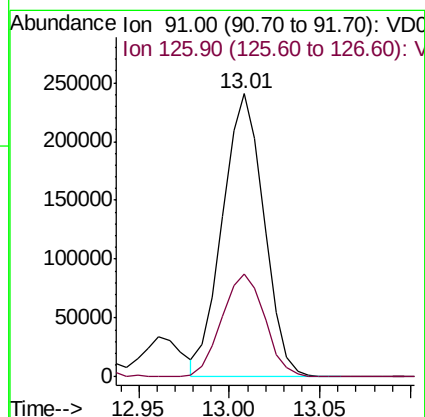
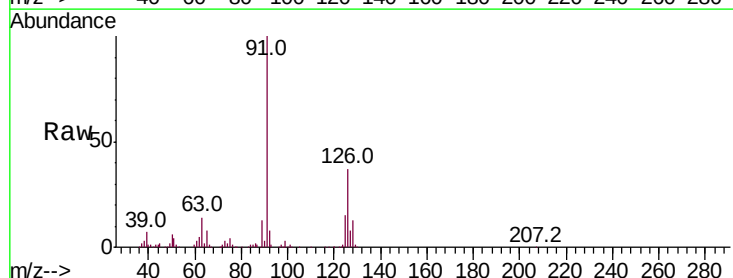
Acq: 14 Oct 2019 12:22

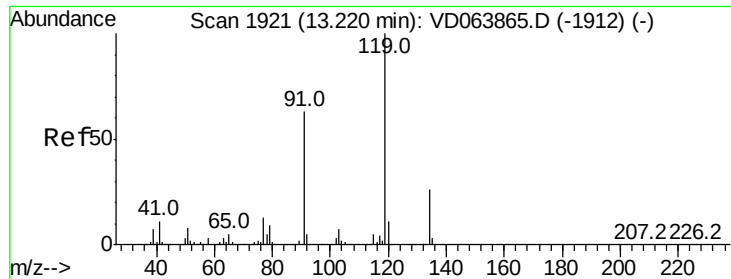
Tgt Ion: 91 Resp: 382600

Ion Ratio Lower Upper

91 100

126 37.8 18.6 55.8

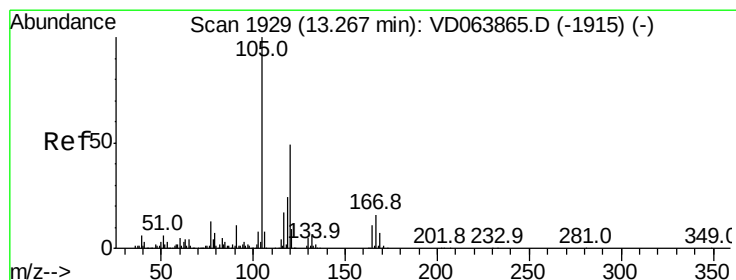
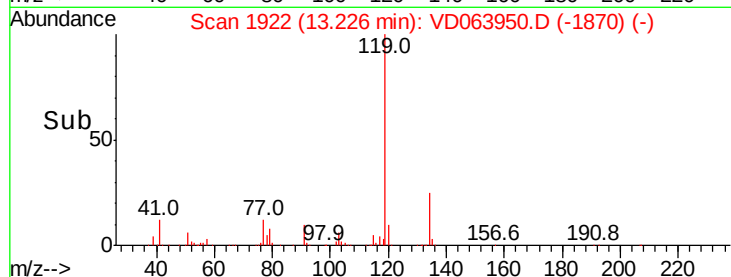
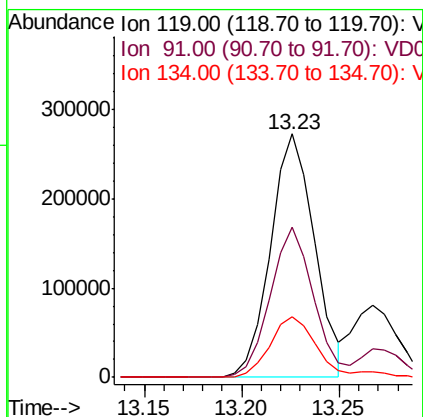
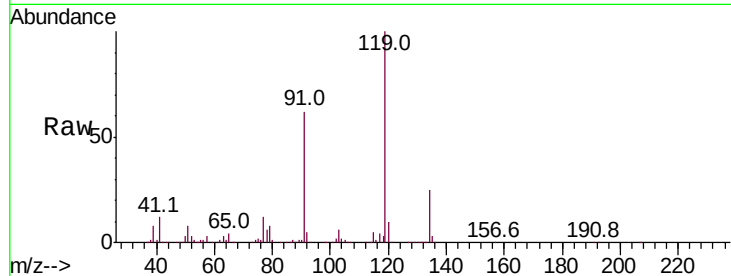




#83
 tert-Butylbenzene
 Concen: 50.540 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

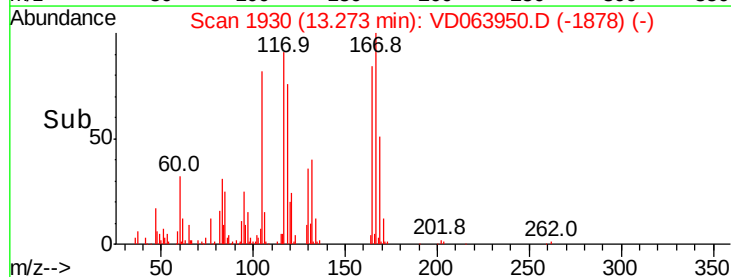
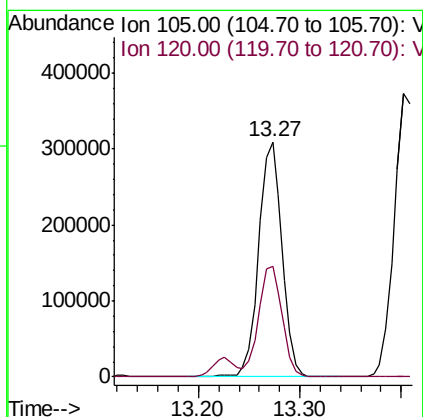
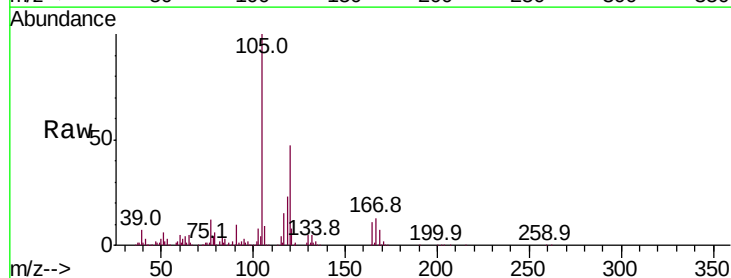
Instrument :
 MSVOA_D
 ClientSampleId :

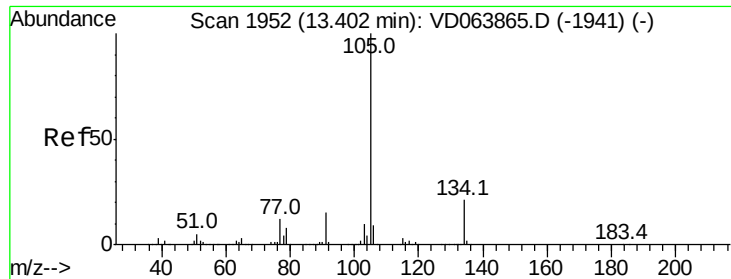
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.0	90.0
134	27.7	13.0	38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 50.928 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 52.591 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

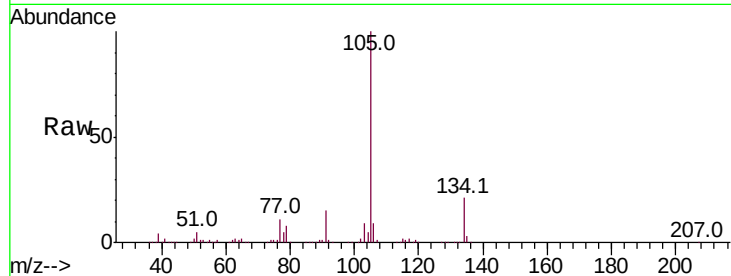
ClientSampleId :

Tot Ion:105 Resp: 597435

Ion Ratio Lower Upper

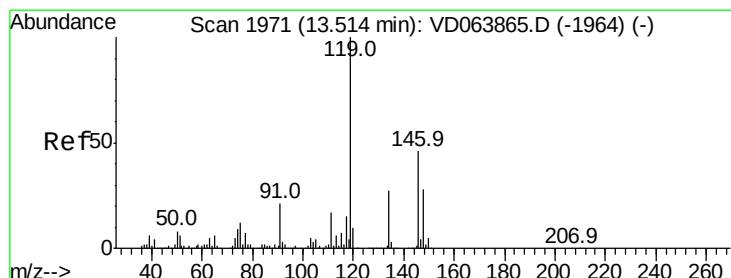
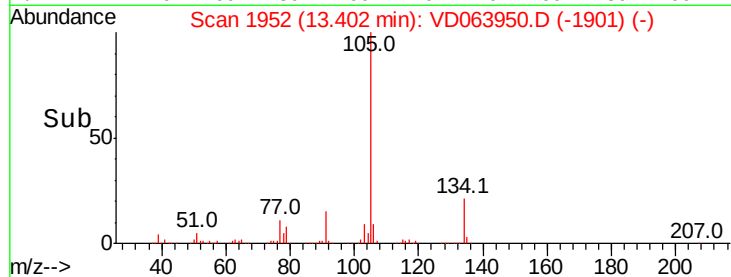
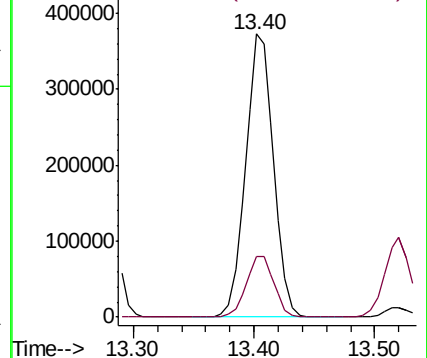
105 100

134 21.4 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: 52.745 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

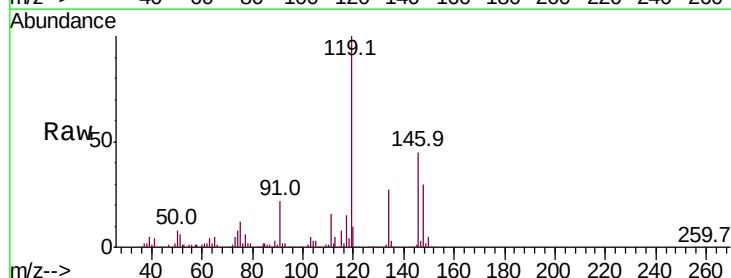
Tgt Ion:119 Resp: 566985

Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

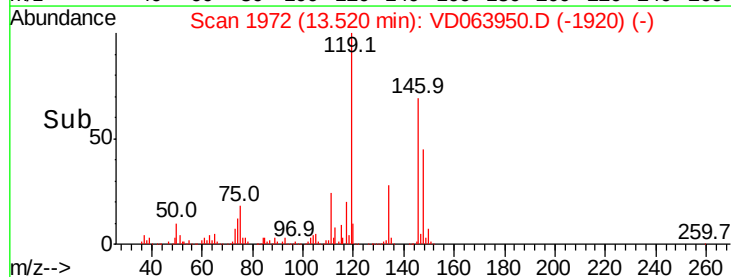
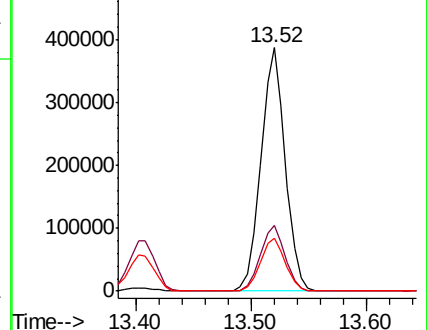
91 22.1 11.2 33.5

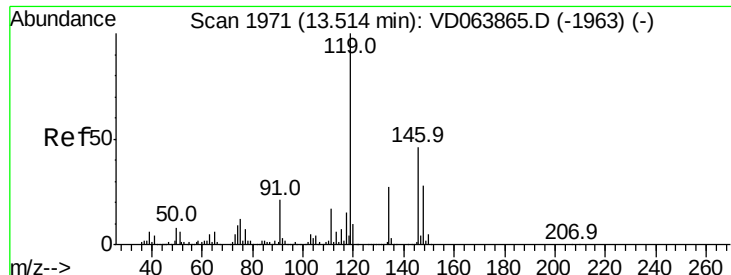


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

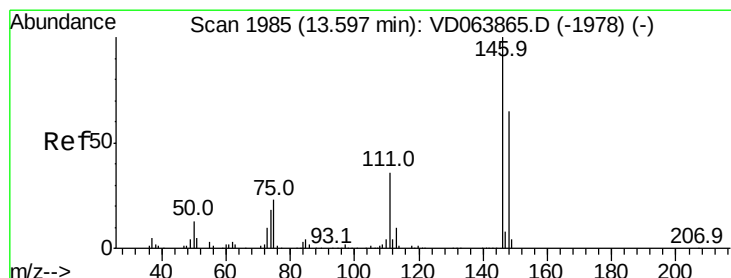
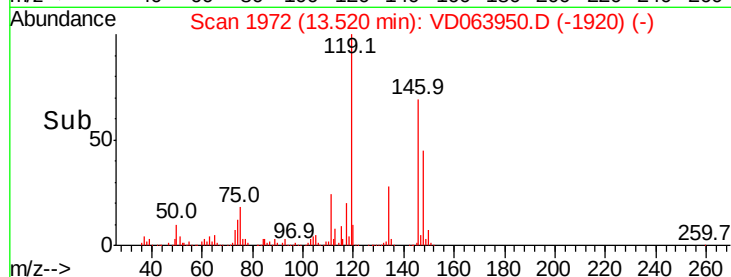
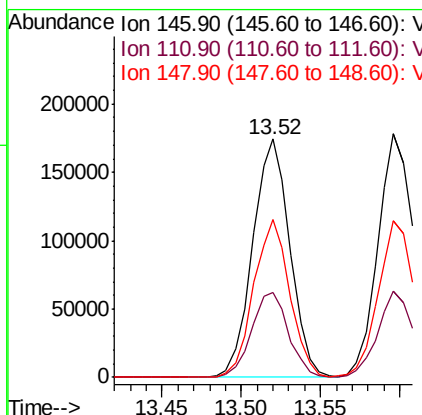
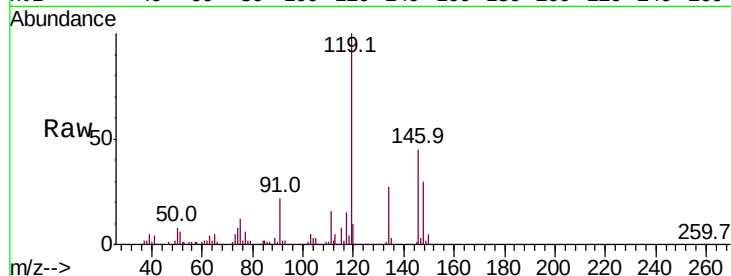




#87
 1,3-Dichlorobenzene
 Concen: 50.917 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

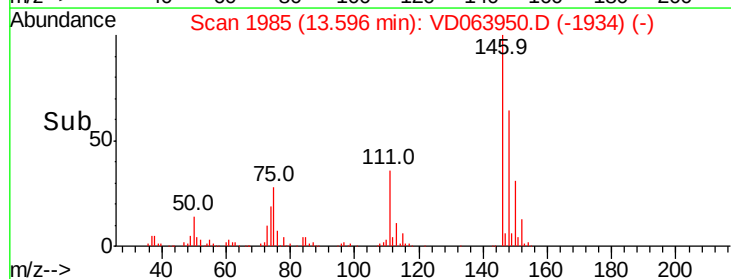
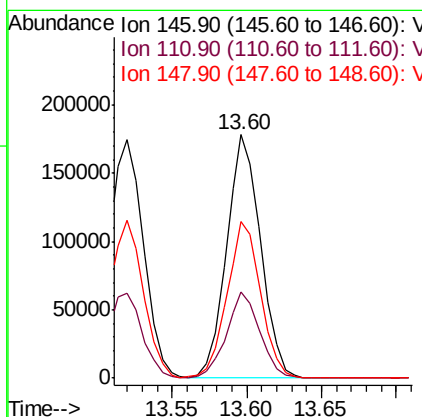
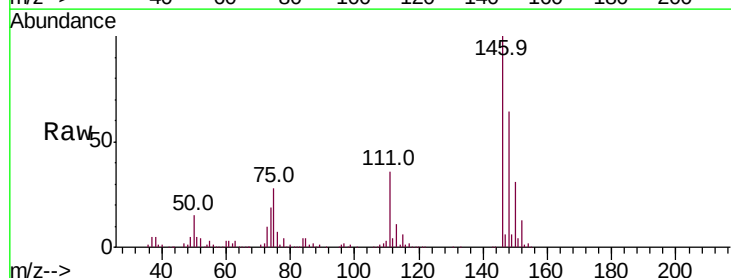
Instrument :
 MSVOA_D
 ClientSampleId :

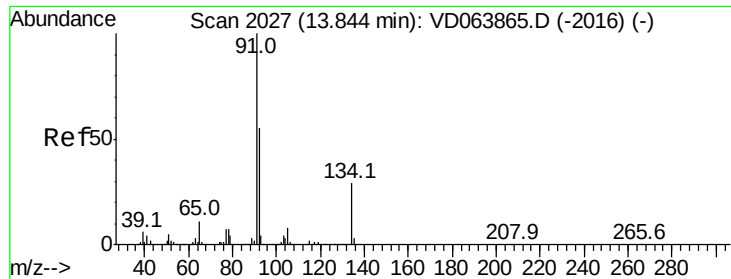
Tot Ion:146 Resp: 283976
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.3 54.9
 148 64.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.268 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion:146 Resp: 282082
 Ion Ratio Lower Upper
 146 100
 111 34.8 18.6 56.0
 148 63.8 32.6 98.0

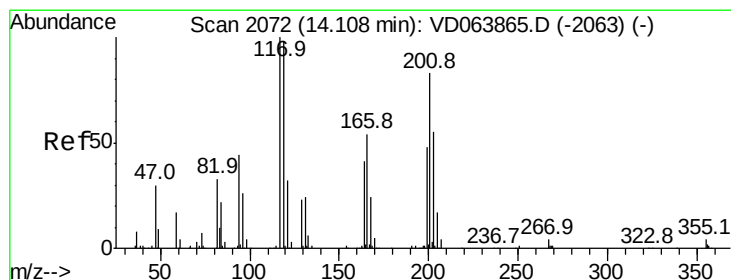
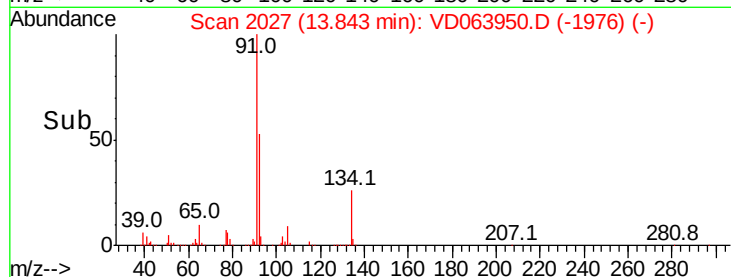
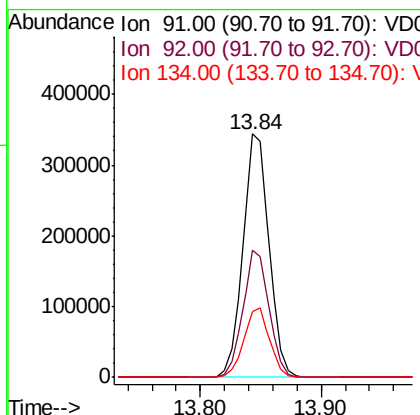
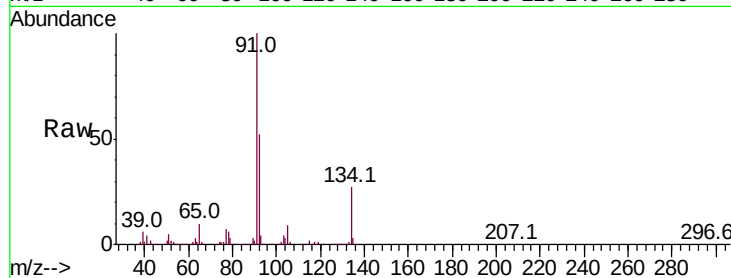




#89
n-Butylbenzene
Concen: 51.762 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

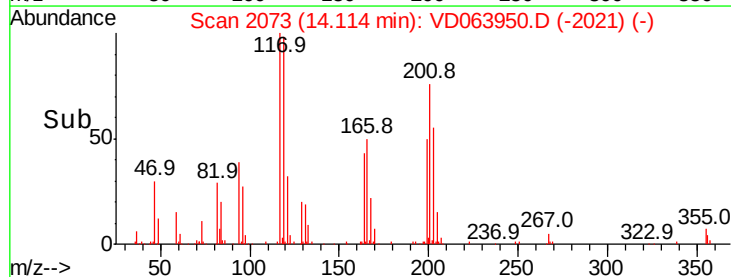
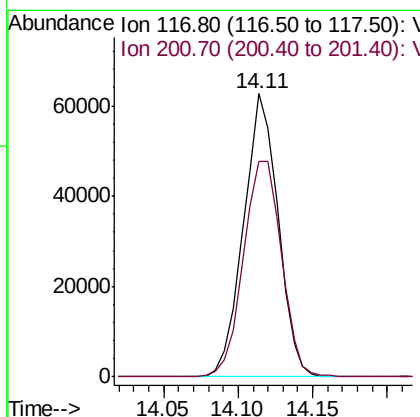
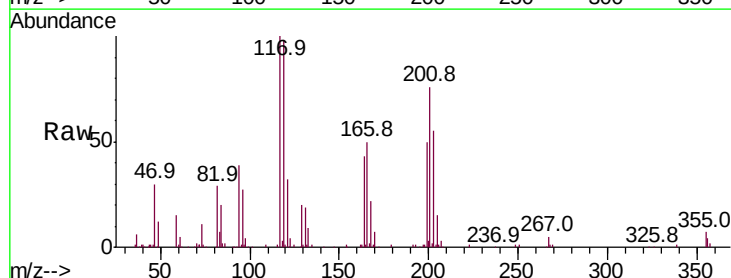
Instrument :
MSVOA_D
ClientSampled :

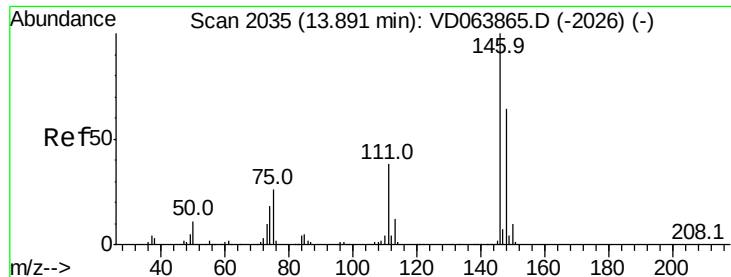
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.3
134	28.0	14.4	43.0



#90
Hexachloroethane
Concen: 51.772 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	40.6	121.7

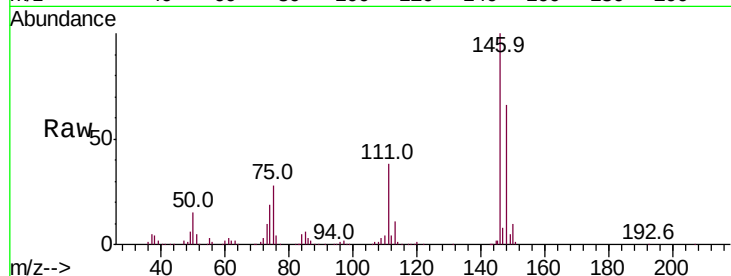




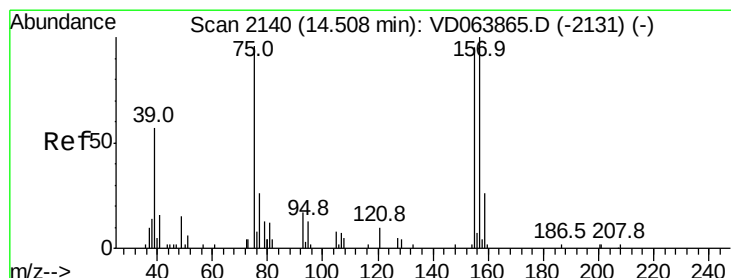
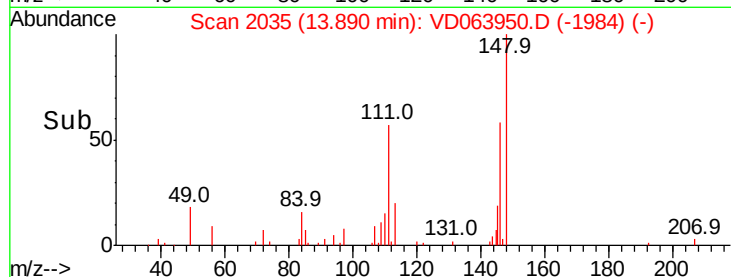
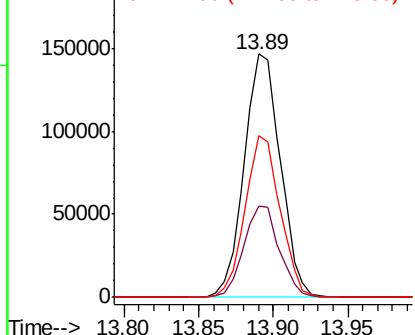
#91
 1,2-Dichlorobenzene
 Concen: 51.123 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	64.3	31.6	95.0

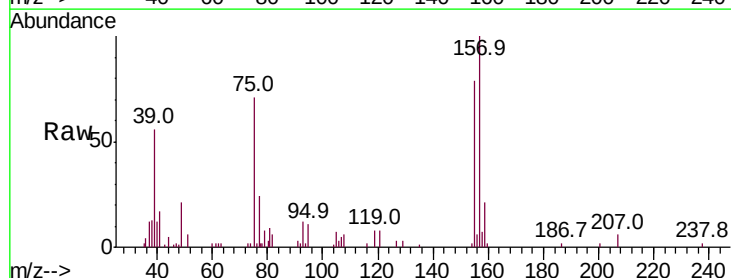


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

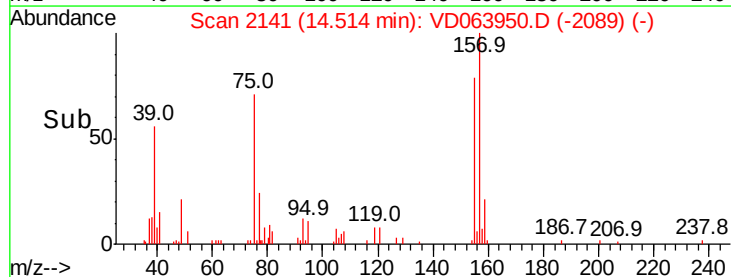
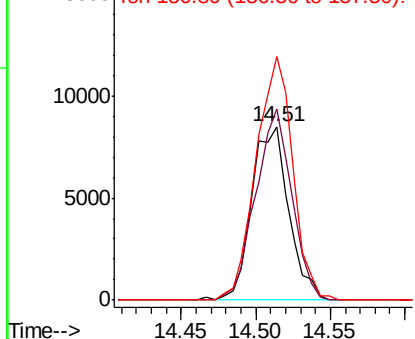


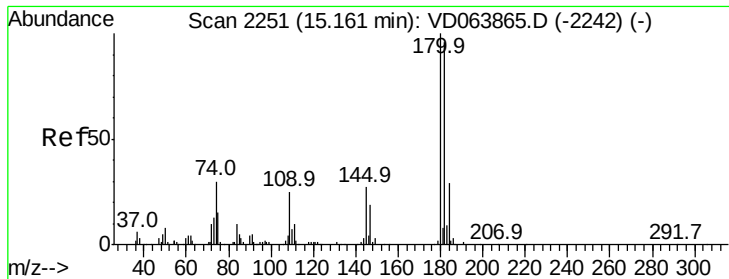
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.407 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	43.9	131.6
157	139.1	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: 50.811 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampled :

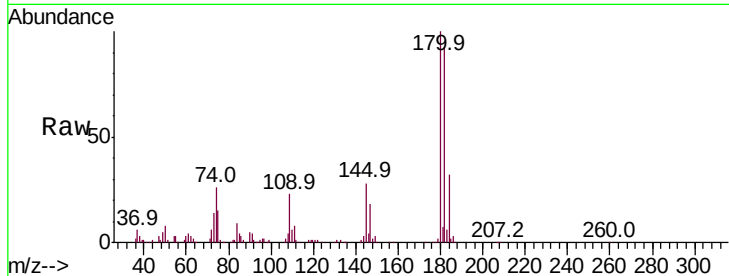
Tot Ion:180 Resp: 188436

Ion Ratio Lower Upper

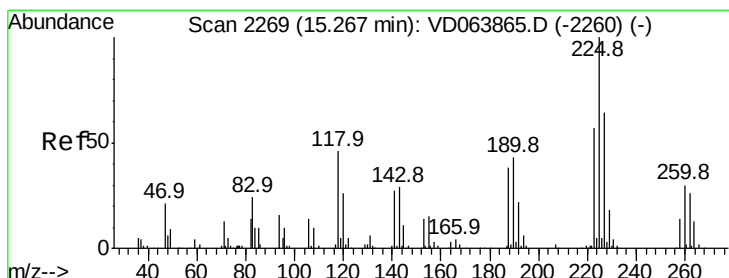
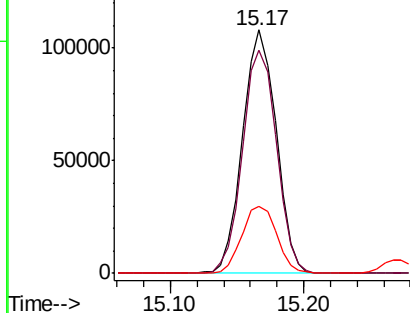
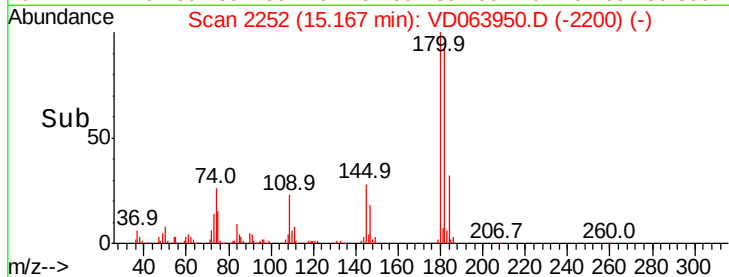
180 100

182 92.7 47.4 142.3

145 28.5 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: 52.518 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

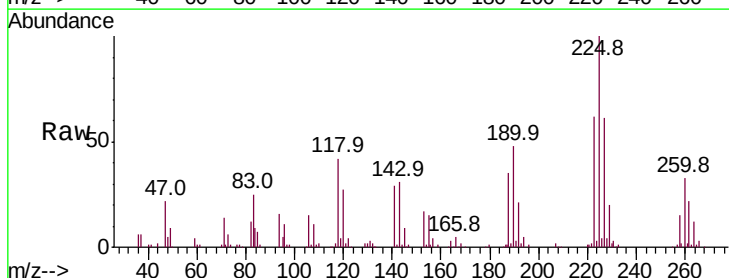
Tgt Ion:225 Resp: 107480

Ion Ratio Lower Upper

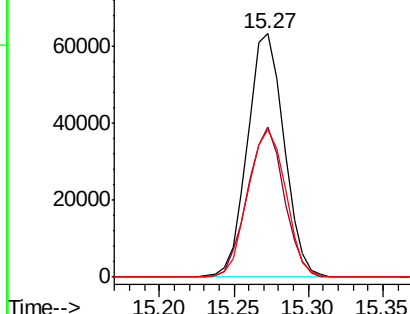
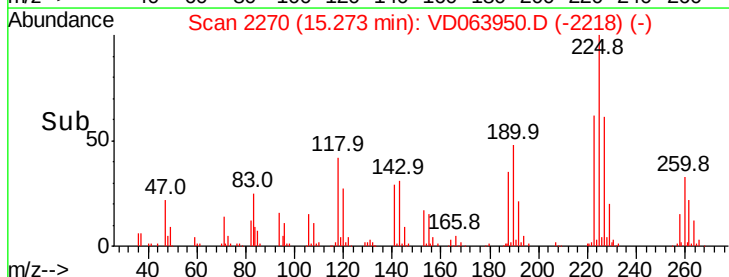
225 100

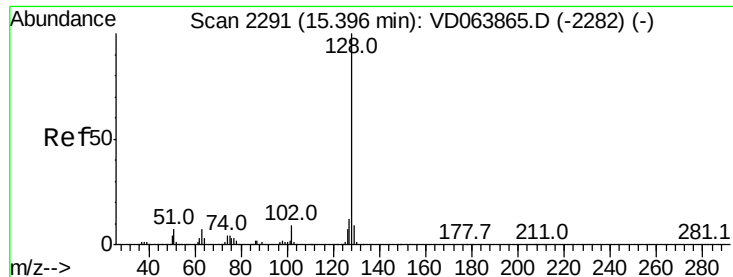
223 61.6 29.5 88.6

227 62.7 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

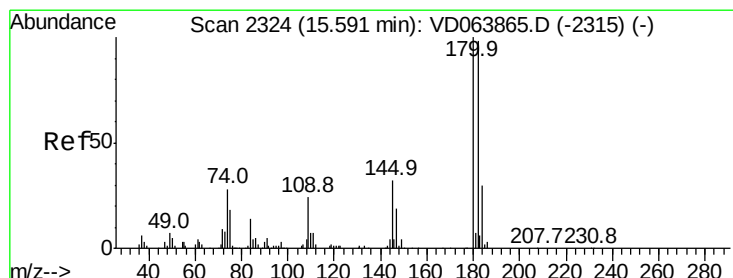
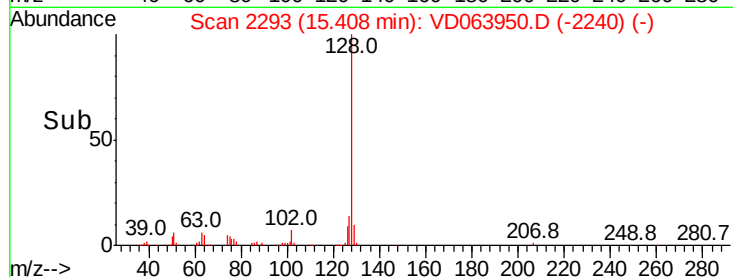
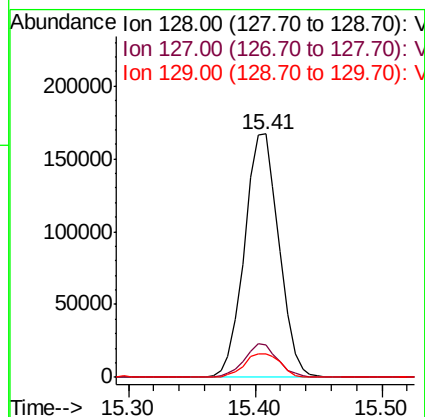
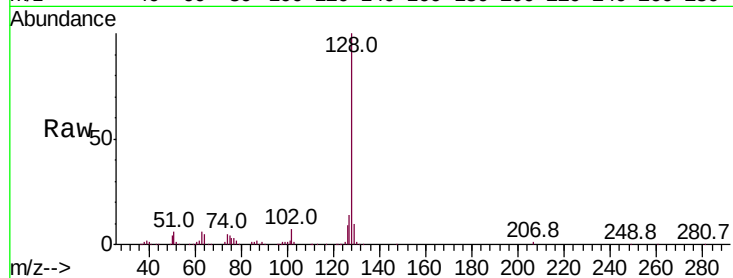




#95
Naphthalene
Concen: 50.689 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 315957
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.423 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion:180 Resp: 161339
Ion Ratio Lower Upper
180 100
182 94.8 47.0 141.0
145 29.3 15.3 45.9

