

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063953.D
 Acq On : 14 Oct 2019 14:01
 Operator : VA/SY
 Sample : VD1014SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 17:07:14 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	173708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	280955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	277674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147390	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	86946	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	91238	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	10.34	98	366182	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.63	95	121718	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	27298	22.159	ug/l	90
3) Chloromethane	2.21	50	81232	21.954	ug/l	95
4) Vinyl Chloride	2.35	62	94704	23.786	ug/l	97
5) Bromomethane	2.76	94	56854	22.211	ug/l	87
6) Chloroethane	2.91	64	63484	24.110	ug/l	99
7) Trichlorofluoromethane	3.27	101	133162	25.296	ug/l	98
8) Diethyl Ether	3.71	74	20570	24.345	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	33997	23.331	ug/l	96
10) Methyl Iodide	4.30	142	38864	19.356	ug/l	98
11) Tert butyl alcohol	5.25	59	11805	95.521	ug/l	96
12) 1,1-Dichloroethene	4.06	96	32140	22.077	ug/l	88
13) Acrolein	3.92	56	12106	80.148	ug/l	91
14) Allyl chloride	4.70	41	52636	21.747	ug/l	98
15) Acrylonitrile	5.43	53	43431	116.588	ug/l #	89
16) Acetone	4.17	43	43080	97.841	ug/l	91
17) Carbon Disulfide	4.39	76	109564	20.704	ug/l	96
18) Methyl Acetate	4.72	43	21849	25.371	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	80406	21.329	ug/l	94
20) Methylene Chloride	4.96	84	45164	21.395	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	39567	21.832	ug/l	95
22) Diisopropyl ether	6.37	45	109154	22.082	ug/l #	97
23) Vinyl Acetate	6.31	43	329380	112.009	ug/l	98
24) 1,1-Dichloroethane	6.27	63	68165	22.387	ug/l	96
25) 2-Butanone	7.22	43	59823	114.645	ug/l	98
26) 2,2-Dichloropropane	7.21	77	59045	21.437	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	45459	22.161	ug/l	98
28) Bromochloromethane	7.56	49	21842	20.029	ug/l	99
29) Tetrahydrofuran	7.58	42	33777	110.900	ug/l	97
30) Chloroform	7.71	83	72002	21.772	ug/l	99
31) Cyclohexane	7.98	56	65376	23.885	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	64889	22.874	ug/l	96
36) 1,1-Dichloropropene	8.11	75	58308	22.698	ug/l	98
37) Ethyl Acetate	7.30	43	24306	21.308	ug/l #	91
38) Carbon Tetrachloride	8.09	117	59038	22.743	ug/l	96

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 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)
39) Methylcyclohexane	9.36	83	70176	22.218	ug/l	99
40) Benzene	8.35	78	164461	22.341	ug/l	100
41) Methacrylonitrile	7.54	41	13040	21.895	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	46530	21.851	ug/l	98
43) Isopropyl Acetate	8.46	43	48147	22.349	ug/l	98
44) Trichloroethene	9.11	130	47290	22.277	ug/l	86
45) 1,2-Dichloropropane	9.39	63	38707	21.482	ug/l	94
46) Dibromomethane	9.48	93	22991	22.405	ug/l	96
47) Bromodichloromethane	9.67	83	55208	20.896	ug/l	95
48) Methyl methacrylate	9.46	41	21451	20.782	ug/l	96
49) 1,4-Dioxane	9.47	88	6586	470.186	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	126772	113.465	ug/l	98
52) Toluene	10.41	92	110978	21.960	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	55449	21.508	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	62268	20.982	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32774	22.620	ug/l	94
56) Ethyl methacrylate	10.66	69	37527	20.452	ug/l	95
57) 1,3-Dichloropropane	10.95	76	53383	21.534	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	81201	102.958	ug/l	97
59) 2-Hexanone	10.99	43	90269	111.690	ug/l	100
60) Dibromochloromethane	11.14	129	38974	20.661	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32849	23.386	ug/l	97
64) Tetrachloroethene	10.88	164	40360	21.291	ug/l	91
65) Chlorobenzene	11.67	112	123423	22.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	44110	21.467	ug/l	95
67) Ethyl Benzene	11.74	91	217430	21.623	ug/l	99
68) m/p-Xylenes	11.85	106	172769	44.515	ug/l	99
69) o-Xylene	12.18	106	79537	21.402	ug/l	97
70) Styrene	12.20	104	135841	21.592	ug/l	99
71) Bromoform	12.37	173	25421	23.052	ug/l #	99
73) Isopropylbenzene	12.48	105	216039	21.804	ug/l	97
74) N-amyl acetate	12.29	43	45241	21.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38912	22.569	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	49847	50.495	ug/l #	100
77) Bromobenzene	12.77	156	52590	21.304	ug/l	98
78) n-propylbenzene	12.82	91	266369	22.903	ug/l	98
79) 2-Chlorotoluene	12.91	91	139391	21.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	182896	22.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11931	21.387	ug/l	96
82) 4-Chlorotoluene	13.01	91	146347	21.513	ug/l	99
83) tert-Butylbenzene	13.23	119	156981	21.338	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	187971	22.057	ug/l	97
85) sec-Butylbenzene	13.40	105	221397	22.284	ug/l	98
86) p-Isopropyltoluene	13.52	119	208766	22.206	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	107423	22.024	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	109037	22.659	ug/l	98
89) n-Butylbenzene	13.84	91	200061	22.862	ug/l	99
90) Hexachloroethane	14.11	117	38030	22.491	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	94111	22.389	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5952	20.782	ug/l	81

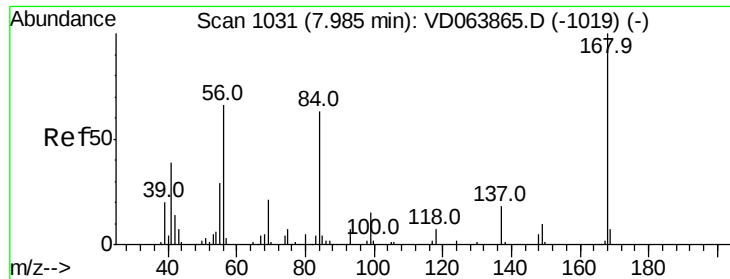
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101419\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	65905	20.320	ug/l	99
94) Hexachlorobutadiene	15.27	225	36880	20.605	ug/l	90
95) Naphthalene	15.40	128	119986	22.010	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	60343	21.563	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

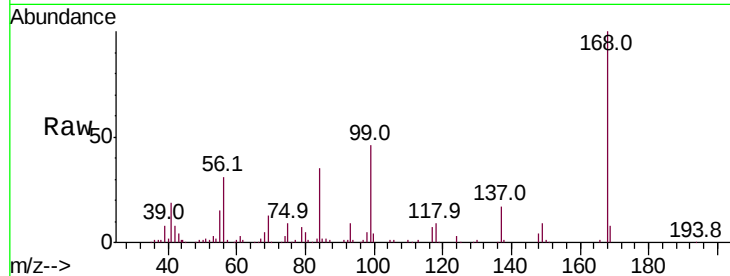
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 173708

Ion Ratio Lower Upper

168 100

99 46.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

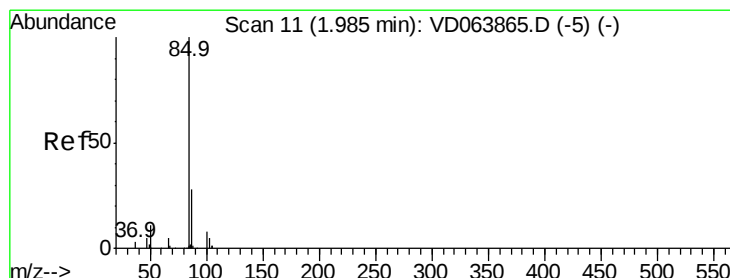
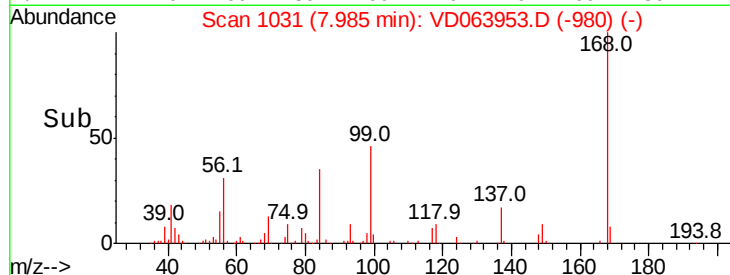
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.159 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063953.D

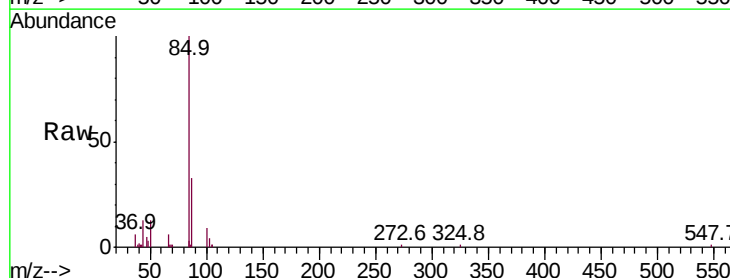
Acq: 14 Oct 2019 14:01

Tgt Ion: 85 Resp: 27298

Ion Ratio Lower Upper

85 100

87 33.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

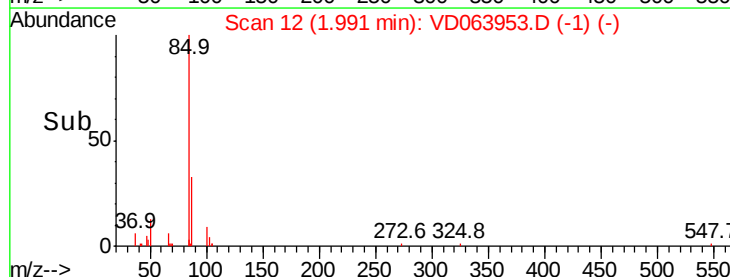
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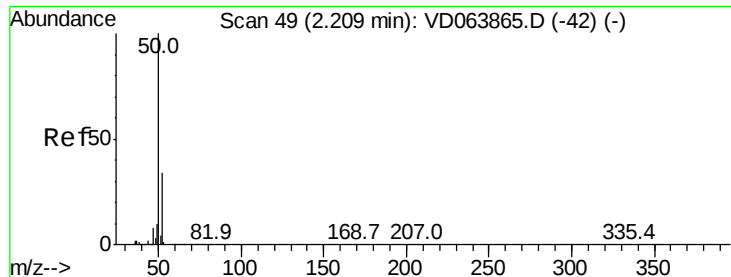
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.954 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

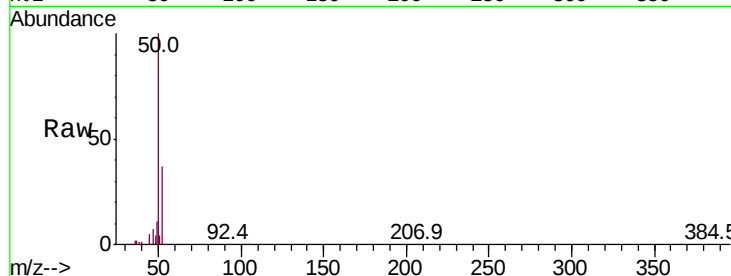
ClientSampleId :

Tot Ion: 50 Resp: 81232

Ion Ratio Lower Upper

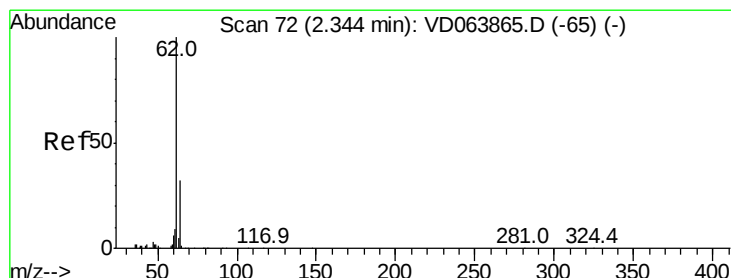
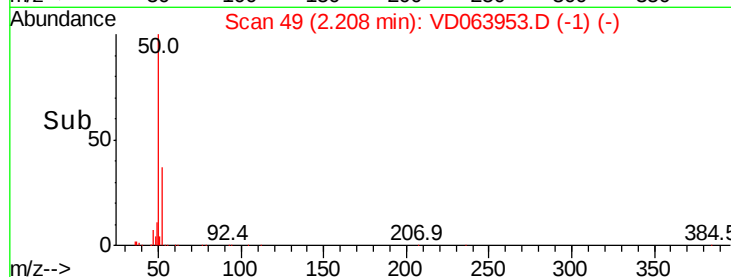
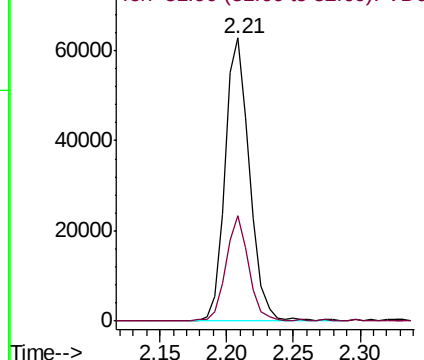
50 100

52 37.2 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.786 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063953.D

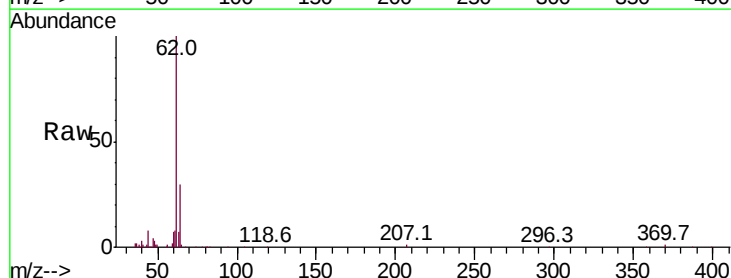
Acq: 14 Oct 2019 14:01

Tgt Ion: 62 Resp: 94704

Ion Ratio Lower Upper

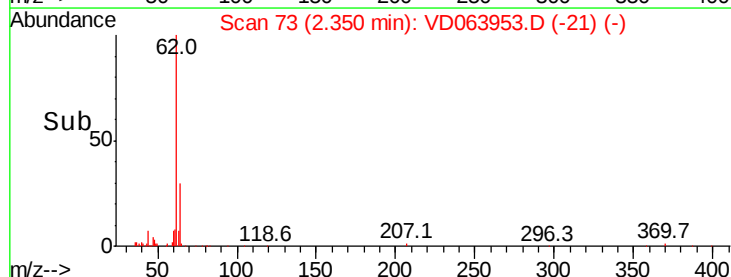
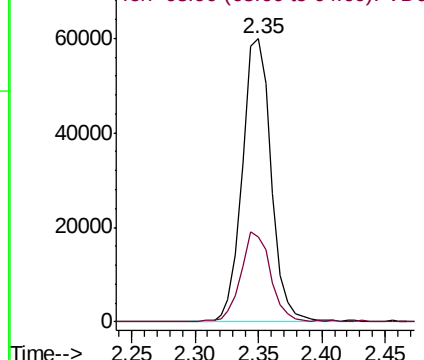
62 100

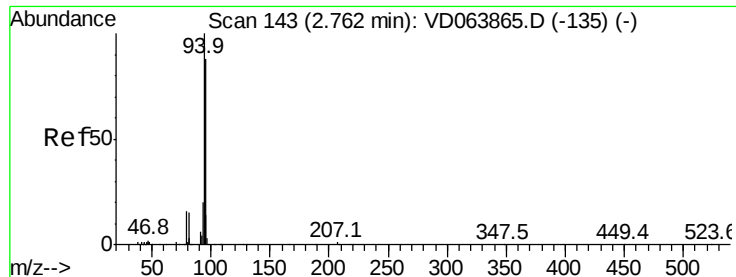
64 29.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.211 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

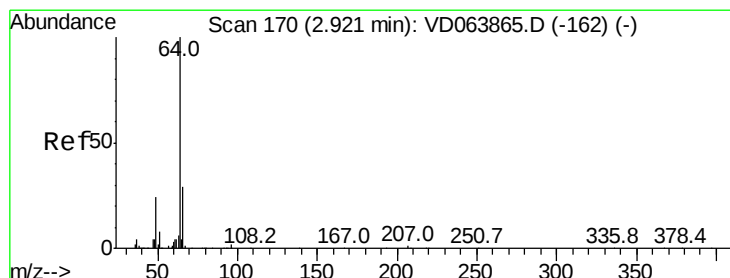
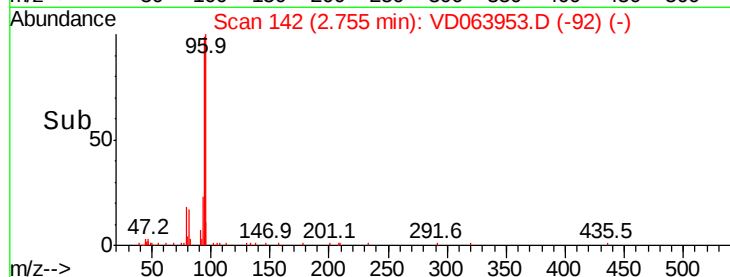
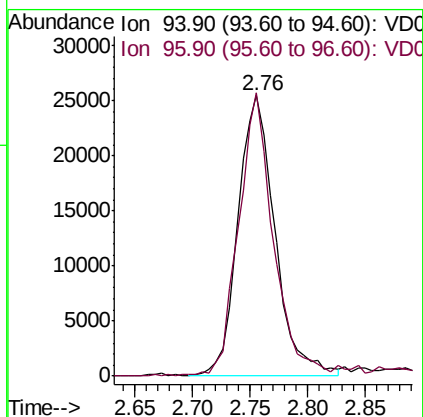
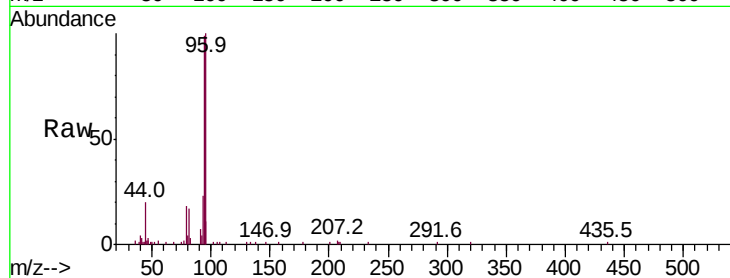
ClientSampled :

Tot Ion: 94 Resp: 56854

Ion Ratio Lower Upper

94 100

96 100.3 70.8 106.2



#6

Chloroethane

Concen: 24.110 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063953.D

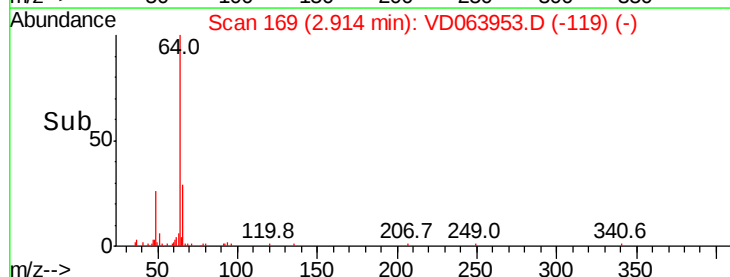
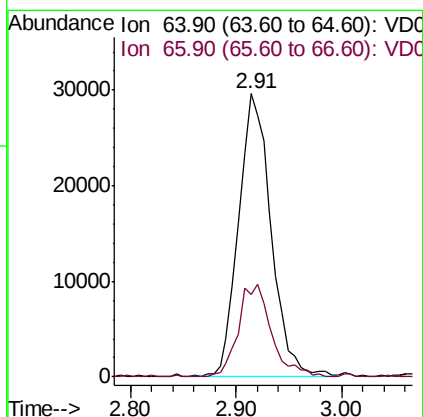
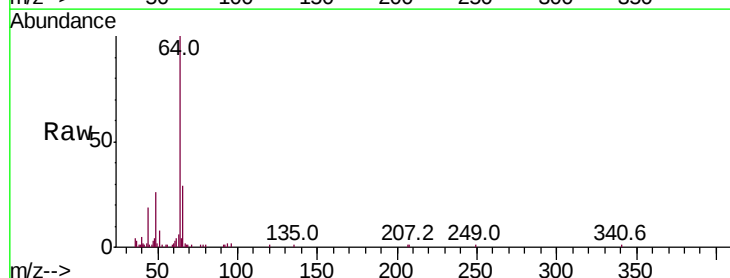
Acq: 14 Oct 2019 14:01

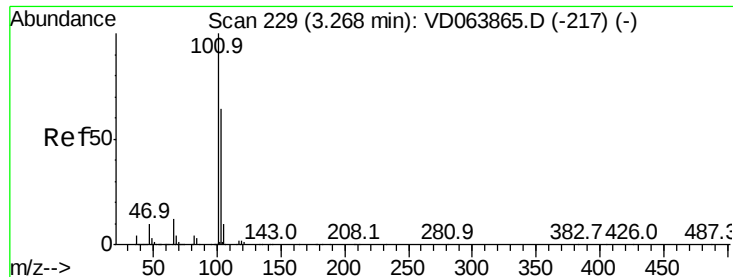
Tgt Ion: 64 Resp: 63484

Ion Ratio Lower Upper

64 100

66 29.1 23.0 34.4



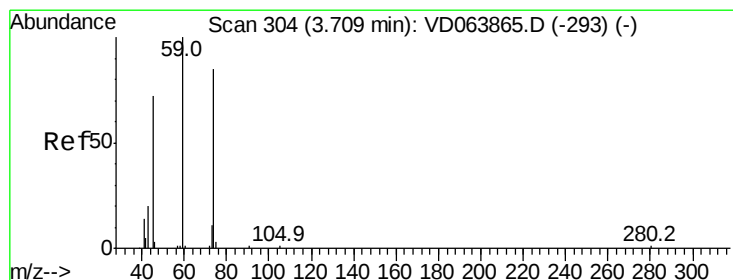
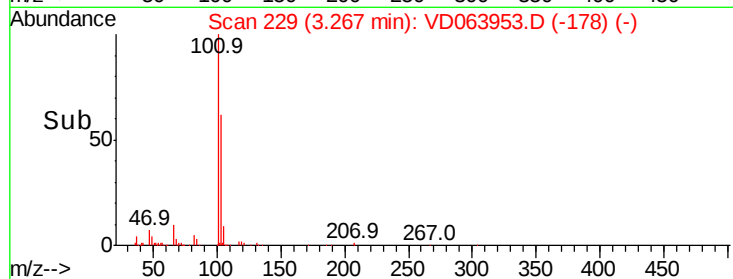
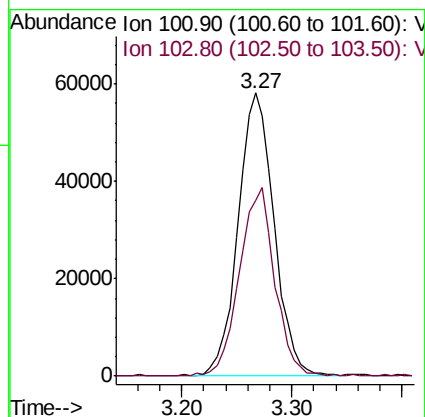
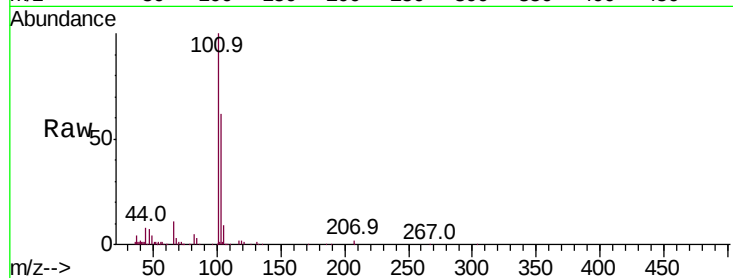


#7

Trichlorofluoromethane
Concen: 25.296 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :

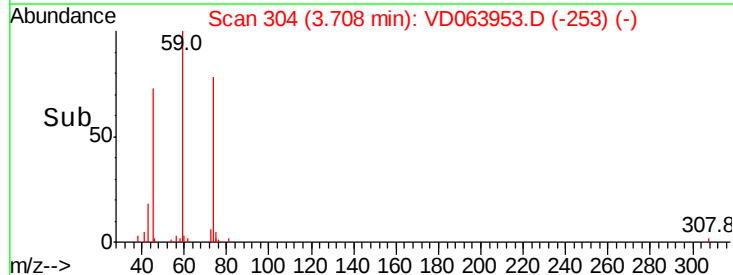
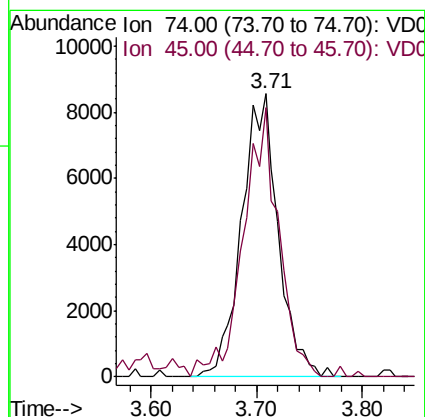
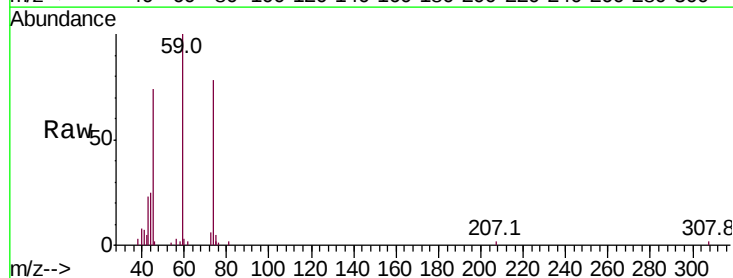
Tot Ion:101 Resp: 133162
Ion Ratio Lower Upper
101 100
103 62.3 51.1 76.7

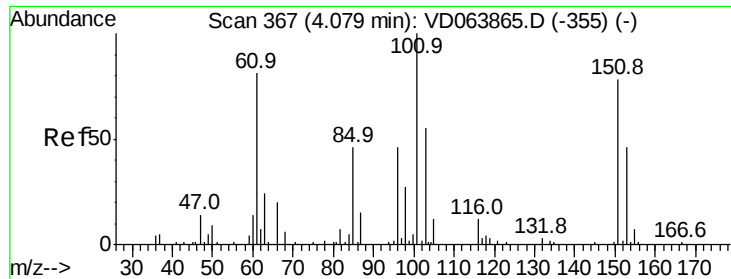


#8

Diethyl Ether
Concen: 24.345 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 74 Resp: 20570
Ion Ratio Lower Upper
74 100
45 91.5 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.331 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampled :

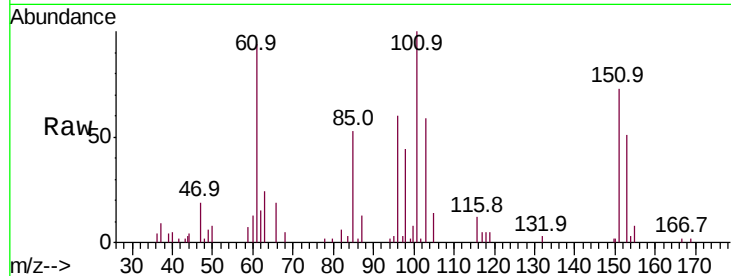
Tot Ion:101 Resp: 33997

Ion Ratio Lower Upper

101 100

85 54.6 37.5 56.3

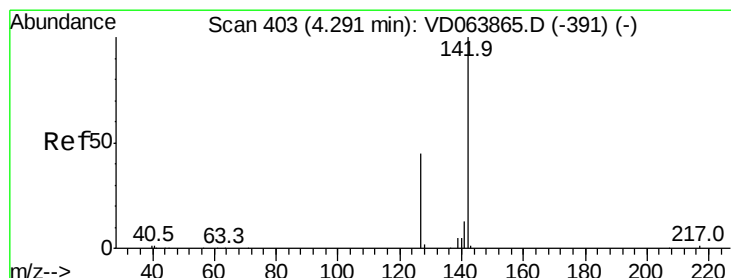
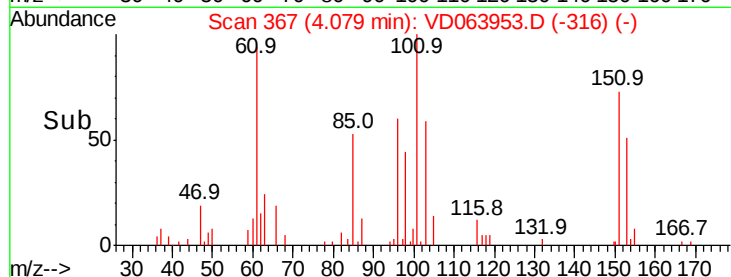
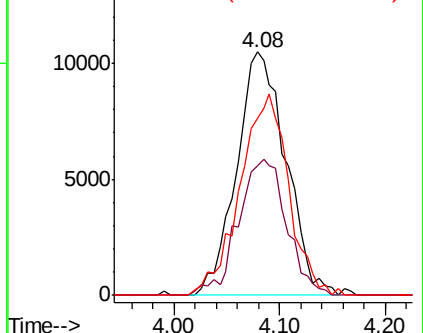
151 81.5 65.5 98.3



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: 19.356 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

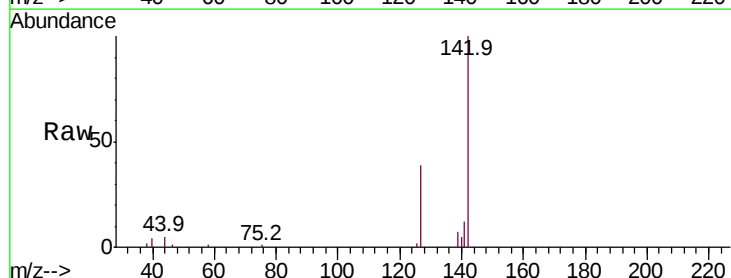
Tgt Ion:142 Resp: 38864

Ion Ratio Lower Upper

142 100

127 45.2 35.3 52.9

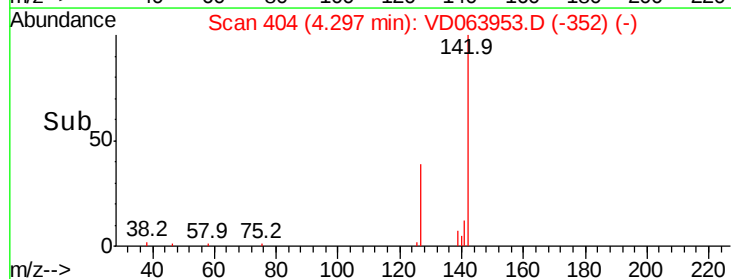
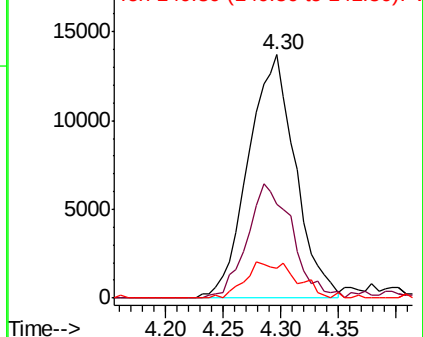
141 15.7 12.2 18.2

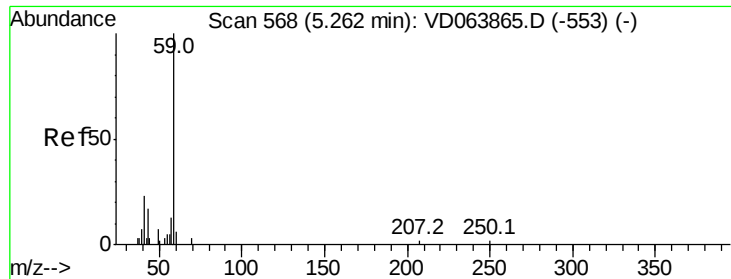


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



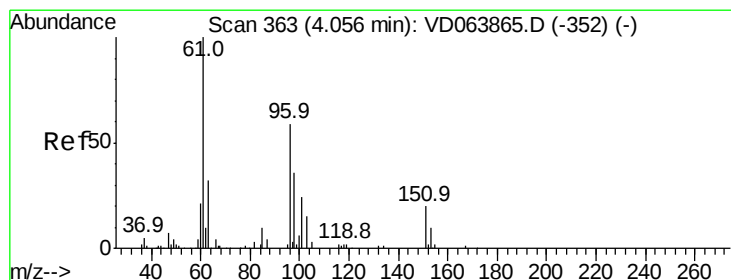
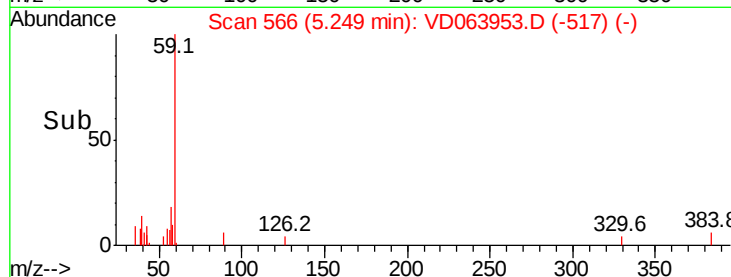
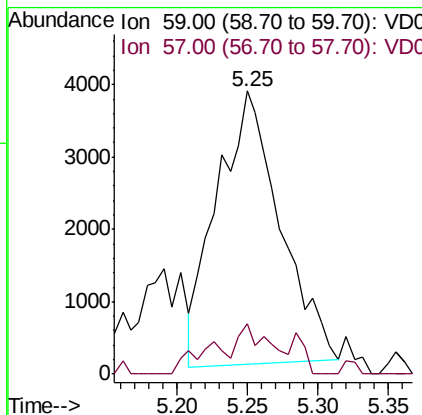
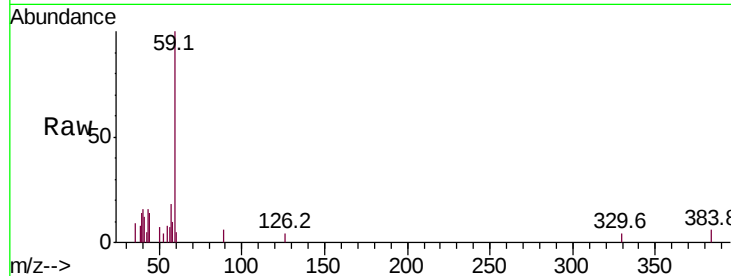


#11

Tert butyl alcohol
 Concen: 95.521 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :

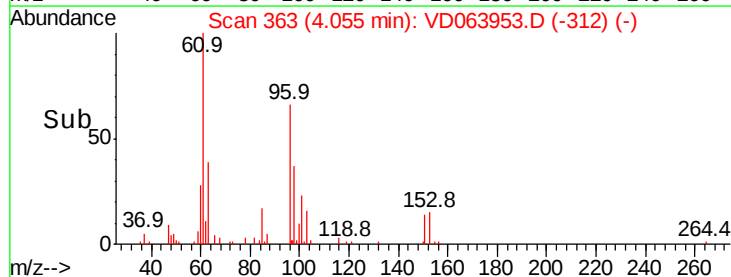
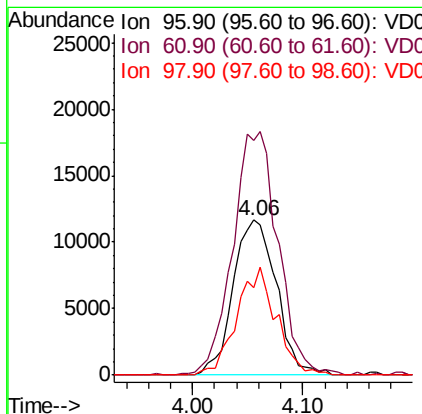
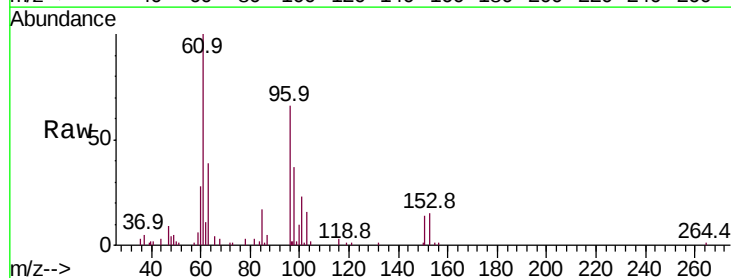
Tot Ion: 59 Resp: 11805
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.8 13.2

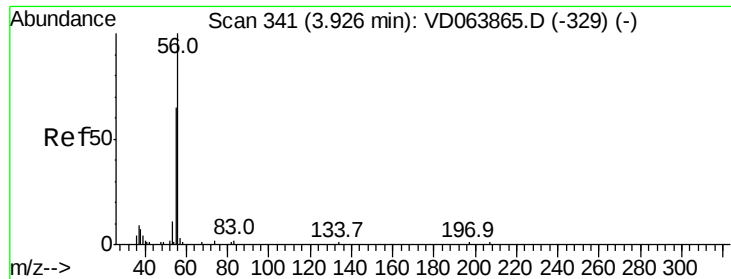


#12

1,1-Dichloroethene
 Concen: 22.077 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion: 96 Resp: 32140
 Ion Ratio Lower Upper
 96 100
 61 150.2 135.6 203.4
 98 56.0 49.2 73.8





#13

Acrolein

Concen: 80.148 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

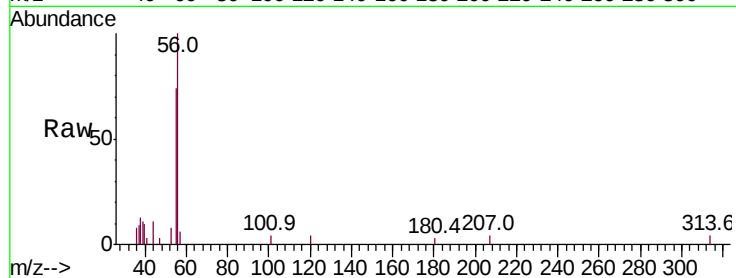
ClientSampleId :

Tot Ion: 56 Resp: 12106

Ion Ratio Lower Upper

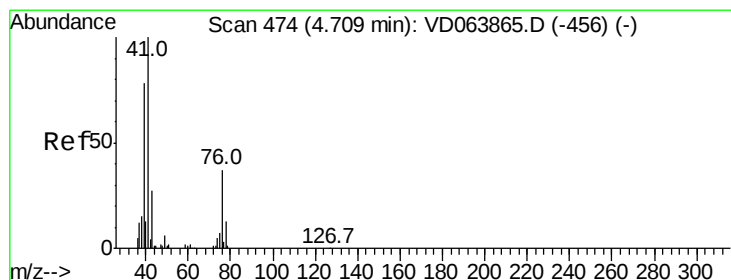
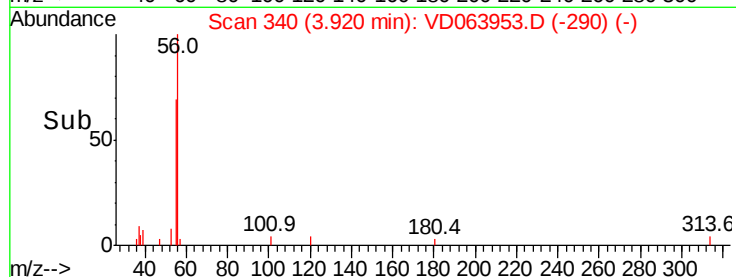
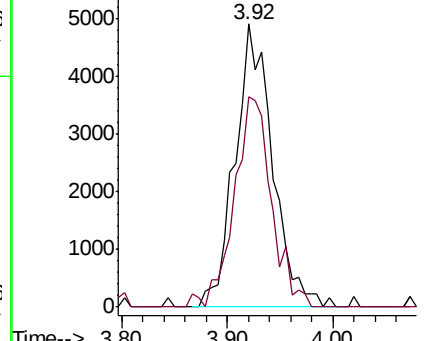
56 100

55 73.4 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.747 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

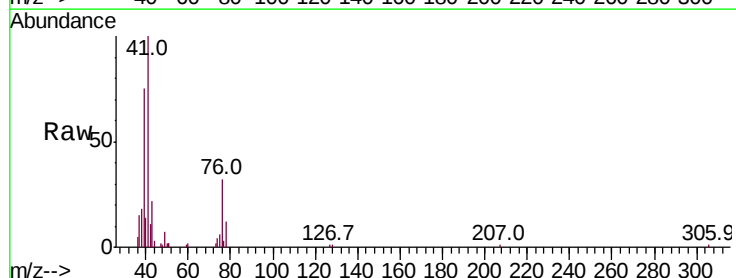
Tgt Ion: 41 Resp: 52636

Ion Ratio Lower Upper

41 100

39 74.9 61.8 92.6

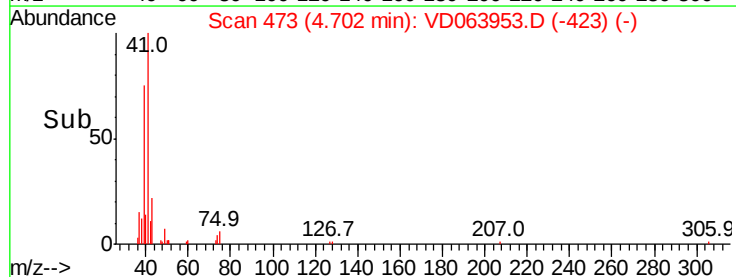
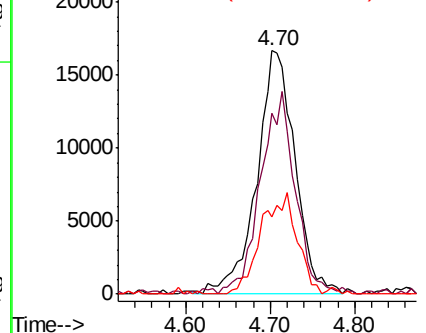
76 39.0 31.3 46.9

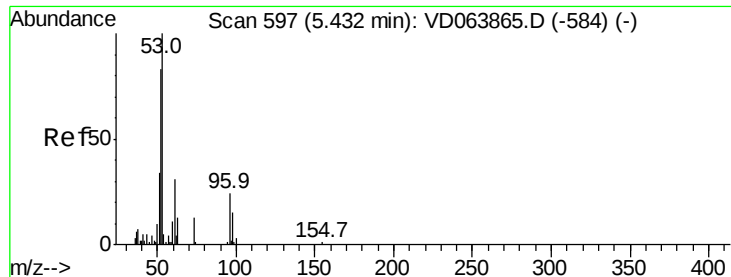


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 116.588 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

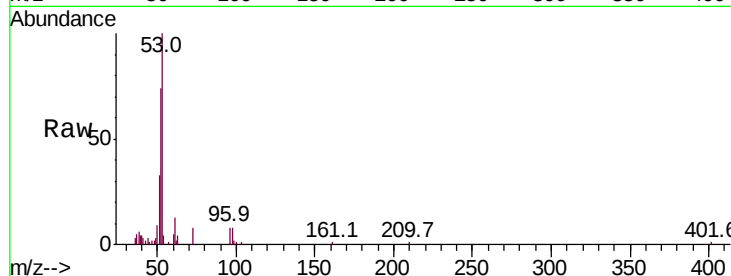
Tot Ion: 53 Resp: 43431

Ion Ratio Lower Upper

53 100

52 84.5 67.3 100.9

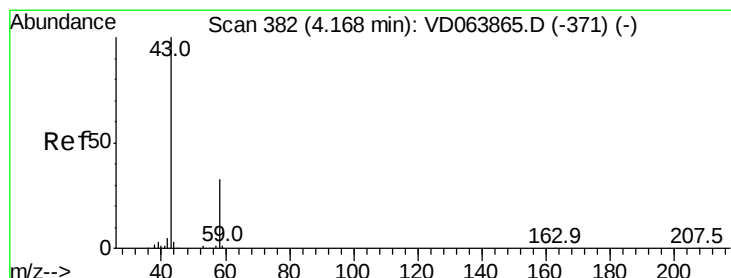
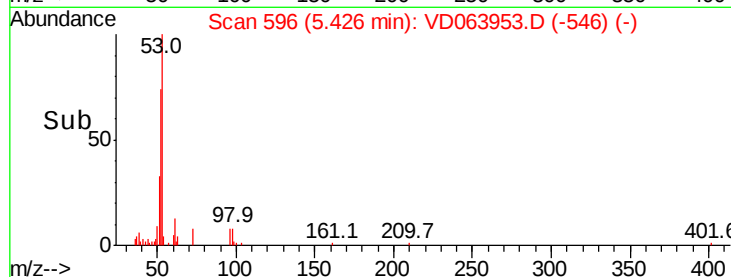
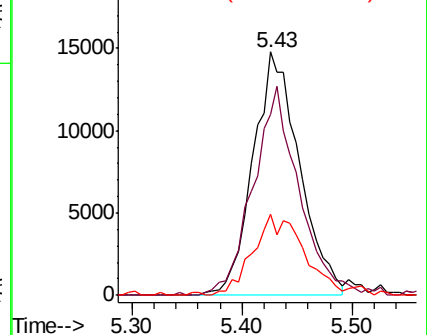
51 18.3 30.5 45.7#



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: 97.841 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063953.D

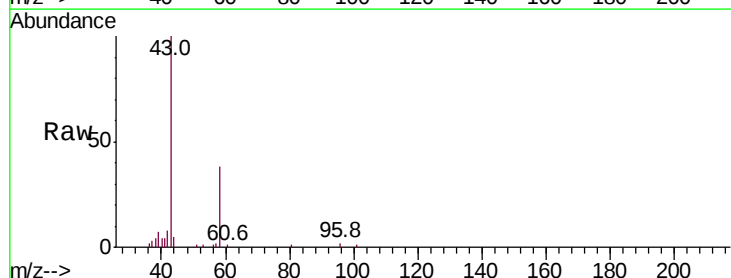
Acq: 14 Oct 2019 14:01

Tgt Ion: 43 Resp: 43080

Ion Ratio Lower Upper

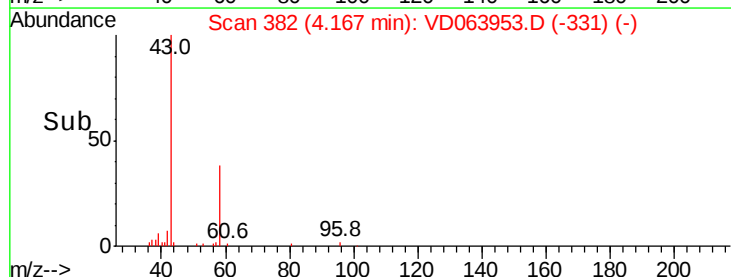
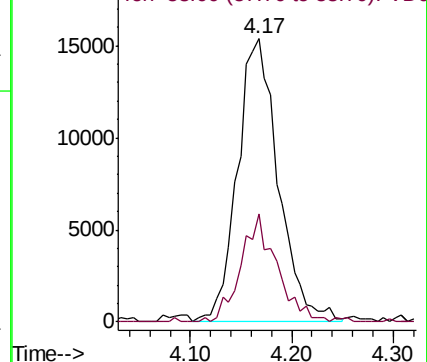
43 100

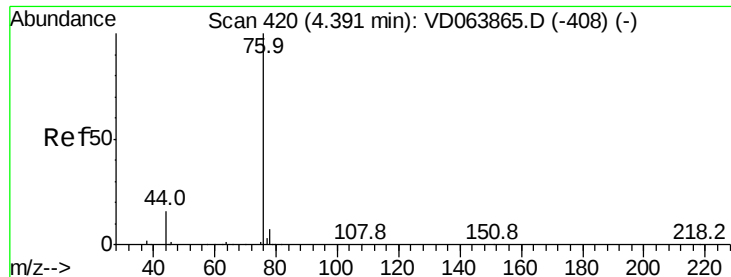
58 38.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

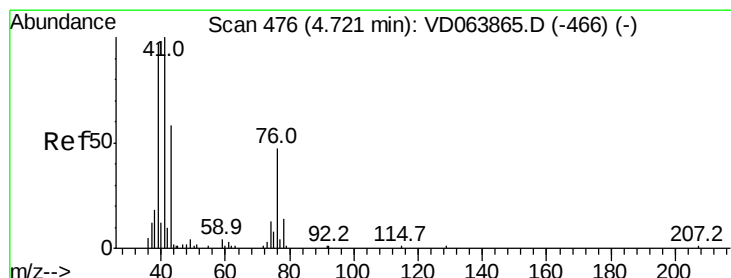
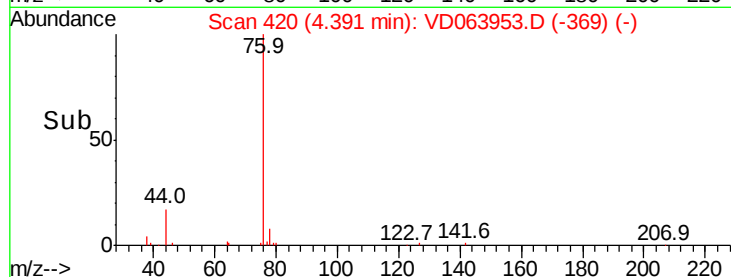
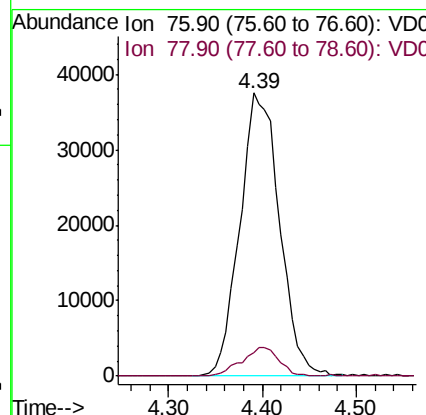
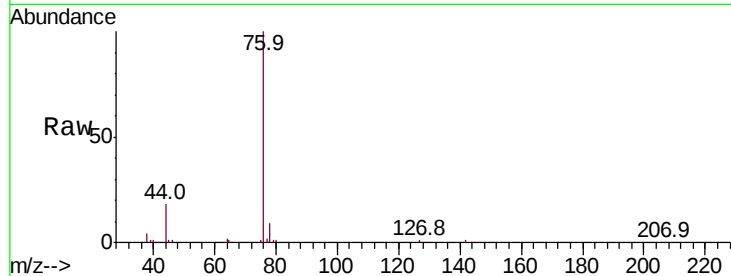




#17
Carbon Disulfide
Concen: 20.704 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

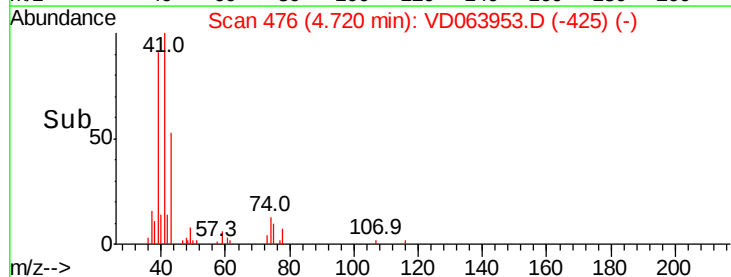
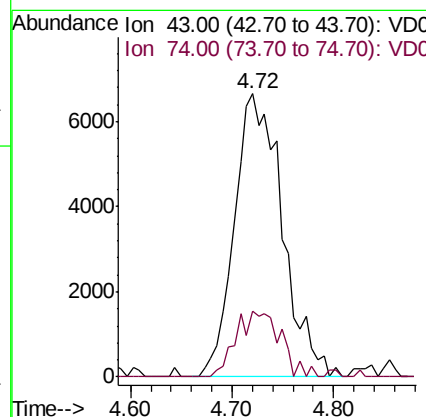
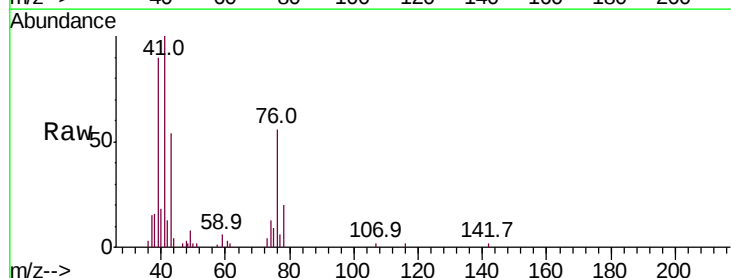
Instrument :
MSVOA_D
ClientSampleId :

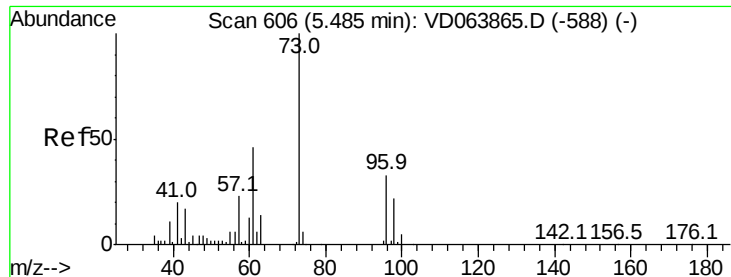
Tot Ion: 76 Resp: 109564
Ion Ratio Lower Upper
76 100
78 8.5 5.8 8.8



#18
Methyl Acetate
Concen: 25.371 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 43 Resp: 21849
Ion Ratio Lower Upper
43 100
74 21.5 20.8 31.2



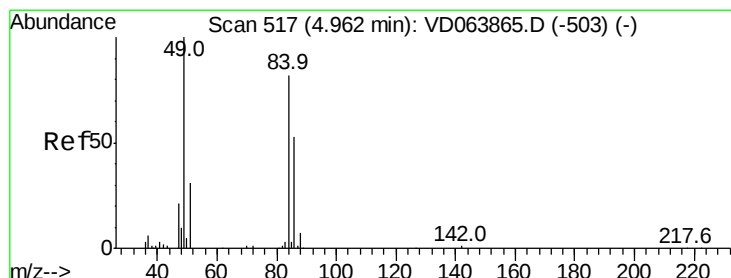
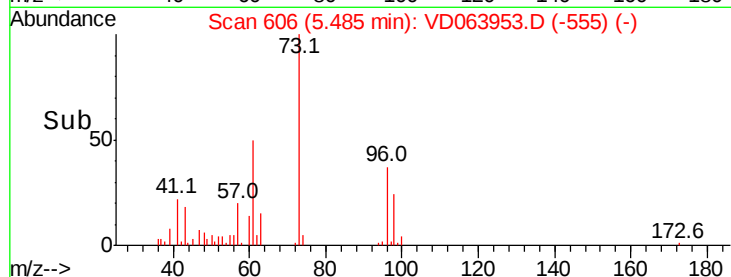
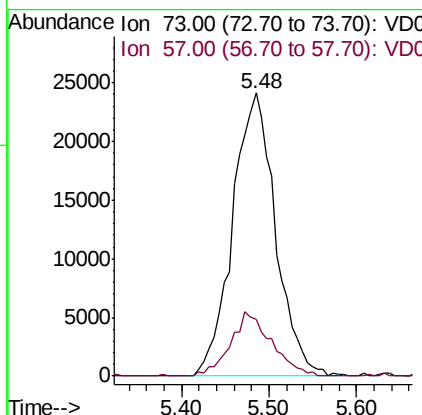
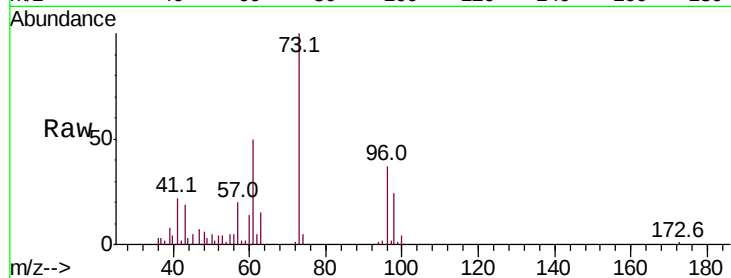


#19

Methyl tert-butyl Ether
 Concen: 21.329 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :

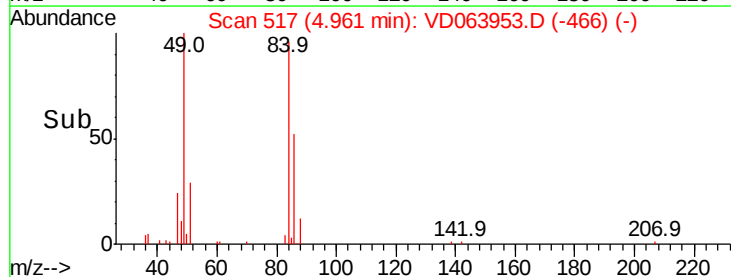
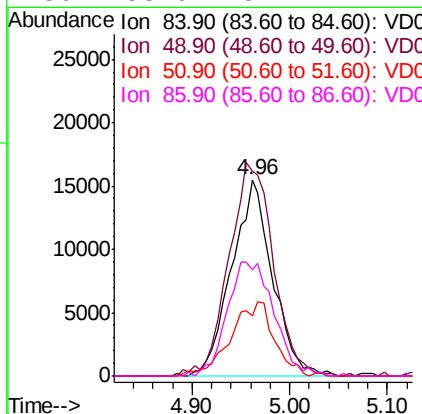
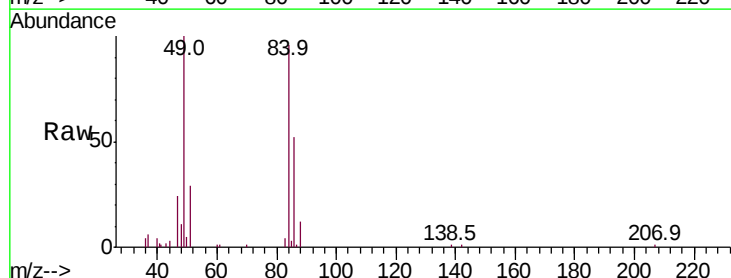
Tot Ion: 73 Resp: 80406
 Ion Ratio Lower Upper
 73 100
 57 19.9 18.1 27.1

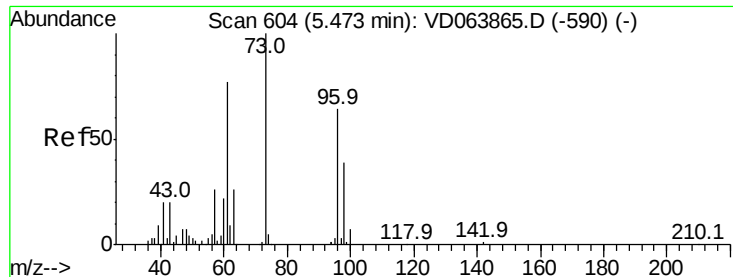


#20

Methylene Chloride
 Concen: 21.395 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion: 84 Resp: 45164
 Ion Ratio Lower Upper
 84 100
 49 104.3 97.3 145.9
 51 30.5 30.1 45.1
 86 53.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.832 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampled :

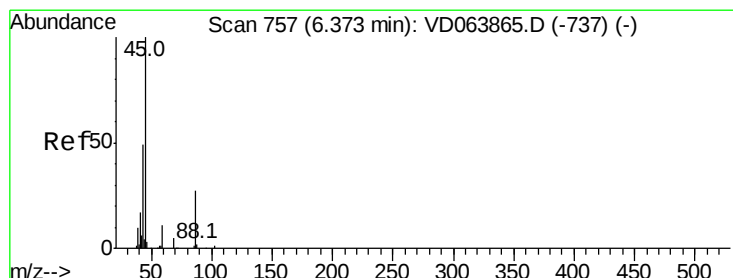
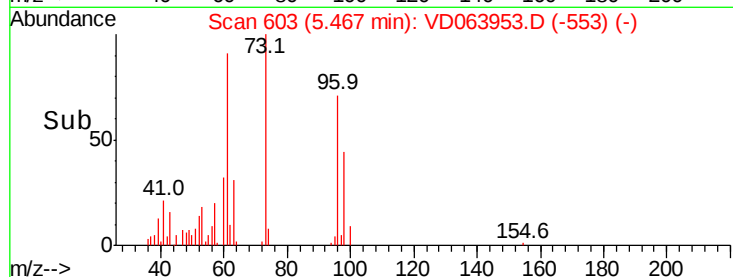
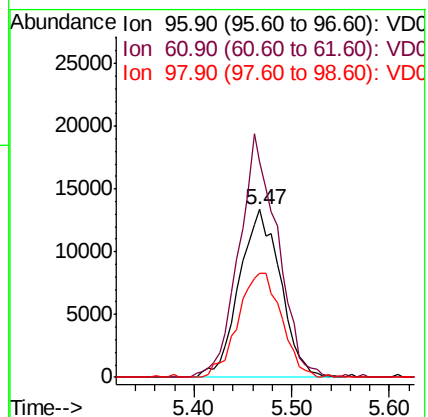
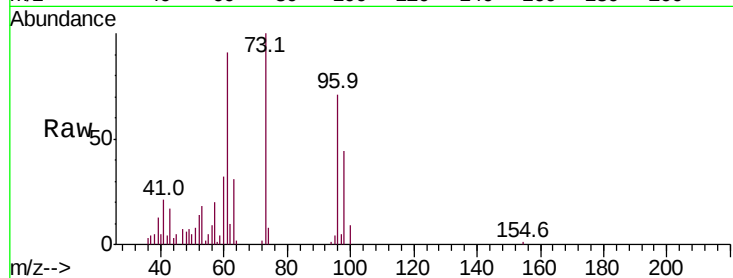
Tot Ion: 96 Resp: 39567

Ion Ratio Lower Upper

96 100

61 128.6 96.6 145.0

98 61.6 48.7 73.1



#22

Diisopropyl ether

Concen: 22.082 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion: 45 Resp: 109154

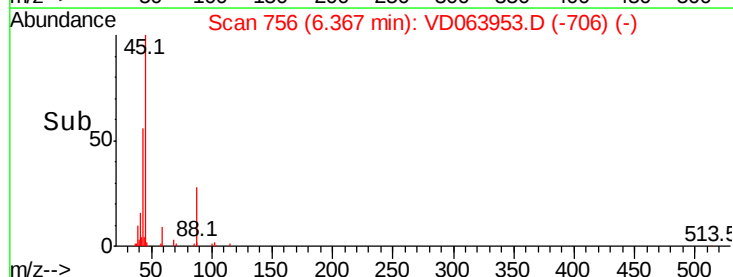
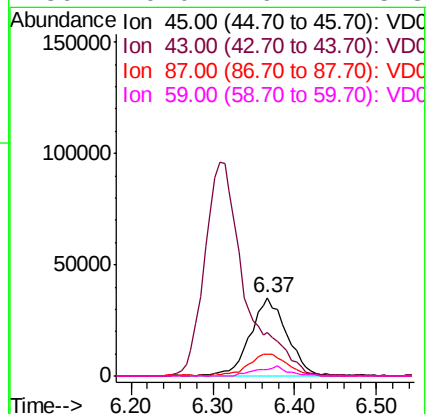
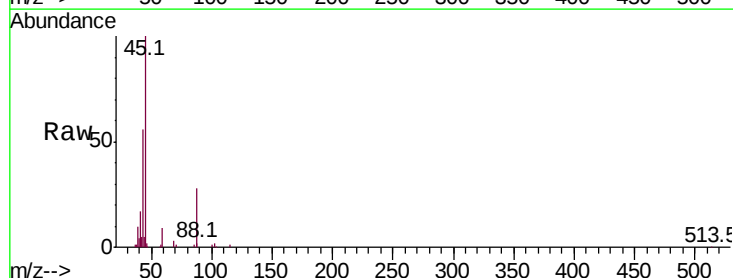
Ion Ratio Lower Upper

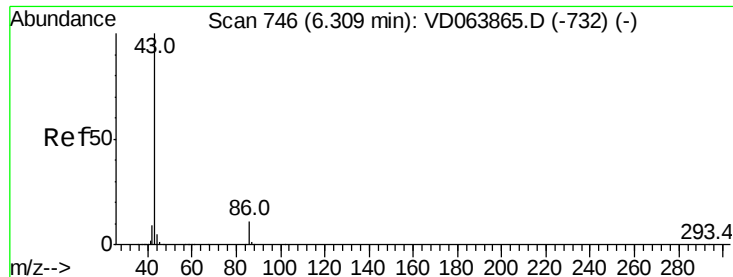
45 100

43 54.6 41.2 61.8

87 28.1 22.2 33.4

59 9.0 9.2 13.8#





#23

Vinyl Acetate

Concen: 112.009 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

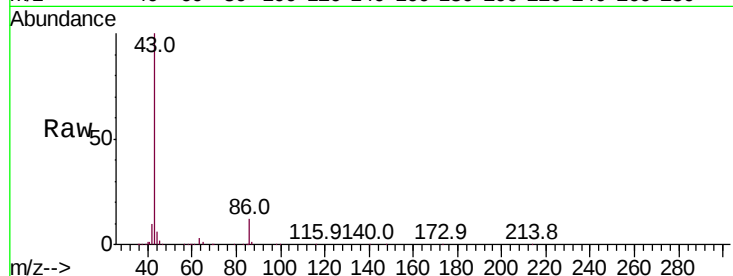
ClientSampleId :

Tot Ion: 43 Resp: 329380

Ion Ratio Lower Upper

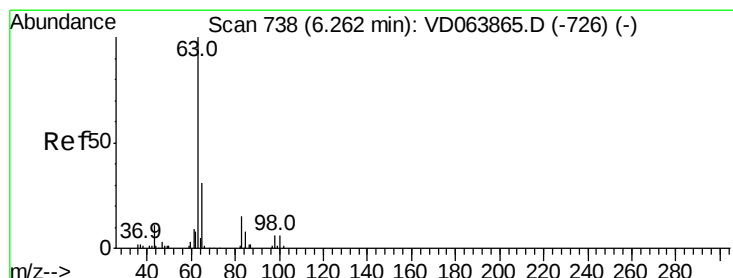
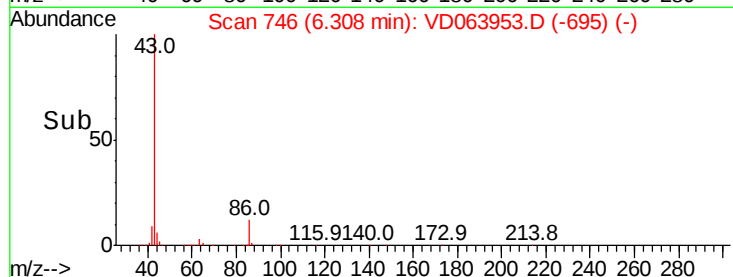
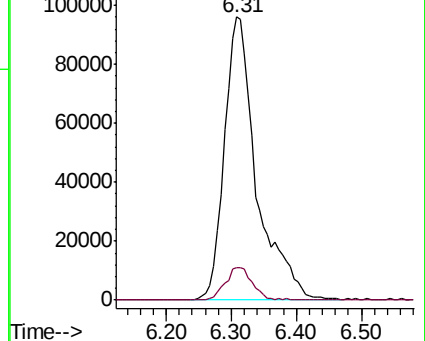
43 100

86 11.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.387 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

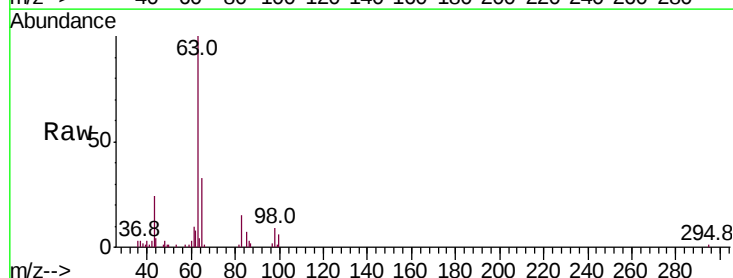
Tgt Ion: 63 Resp: 68165

Ion Ratio Lower Upper

63 100

98 8.6 3.1 9.4

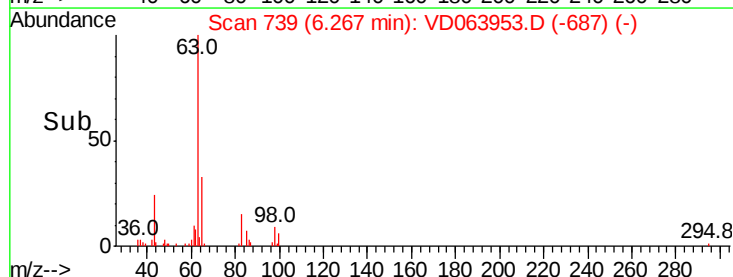
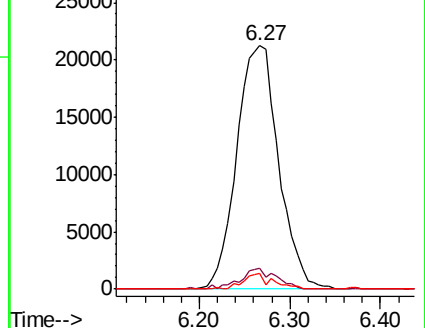
100 6.4 3.0 9.2

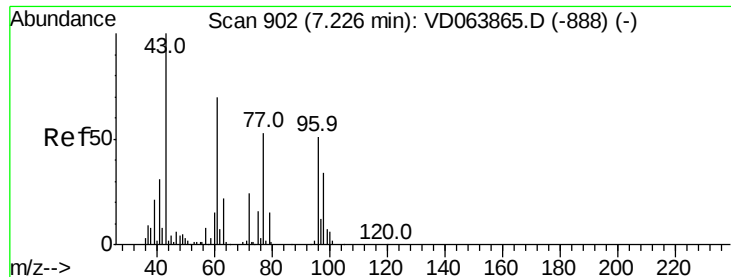


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 114.645 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

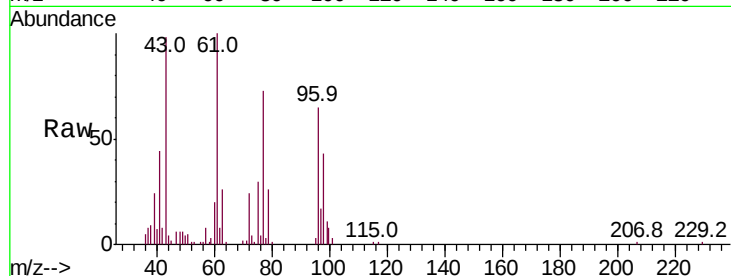
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 59823

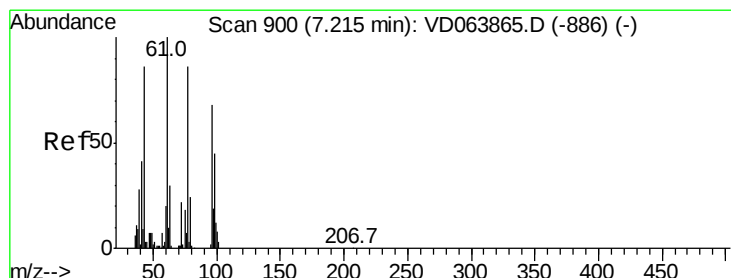
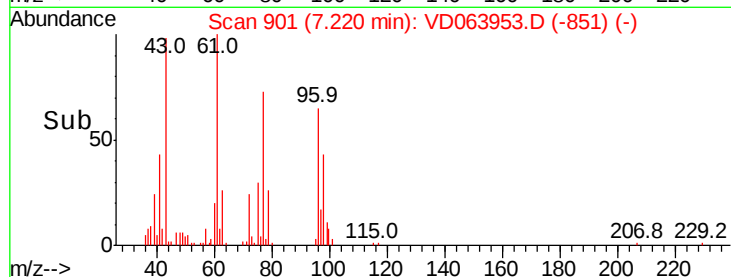
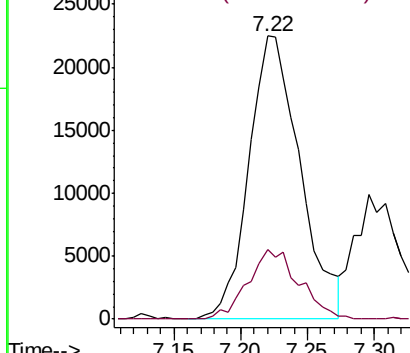
Ion Ratio Lower Upper

43 100

72 24.7 19.2 28.8



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



#26

2,2-Dichloropropane

Concen: 21.437 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063953.D

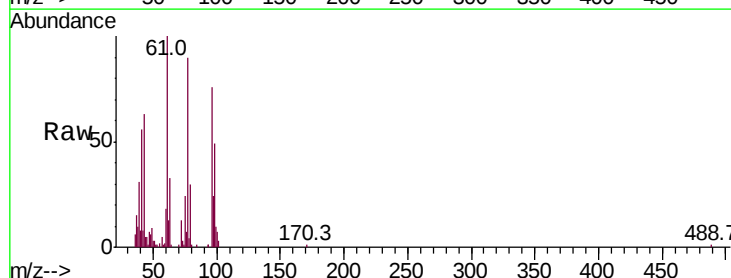
Acq: 14 Oct 2019 14:01

Tgt Ion: 77 Resp: 59045

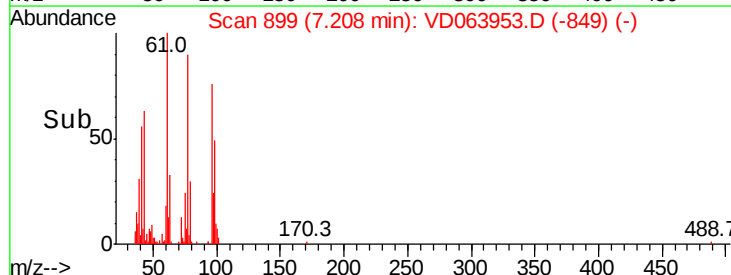
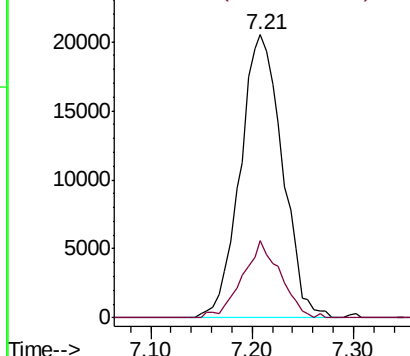
Ion Ratio Lower Upper

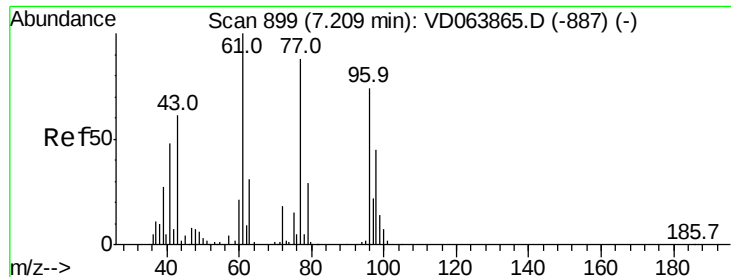
77 100

97 24.7 11.4 34.1



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



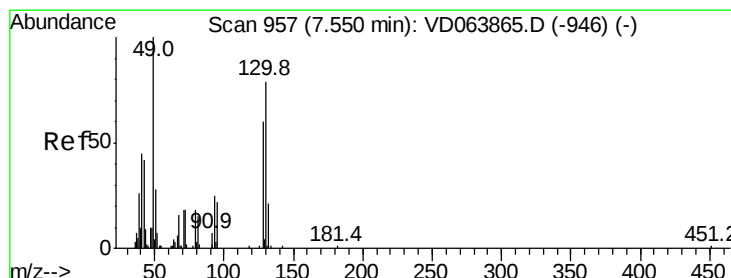
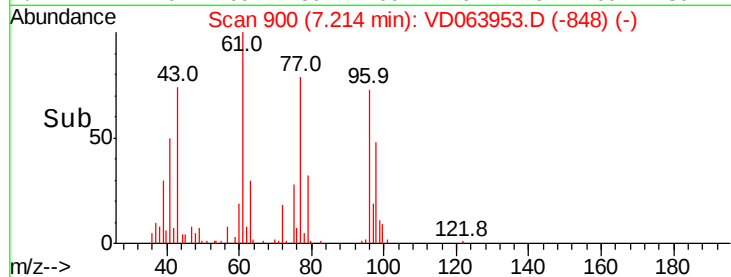
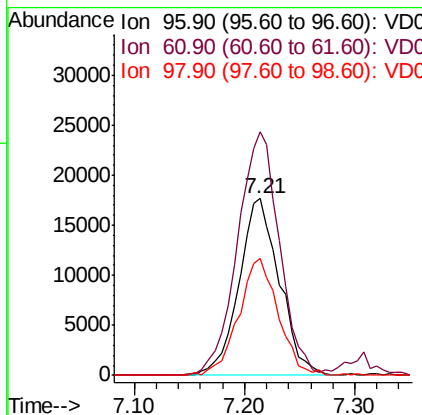
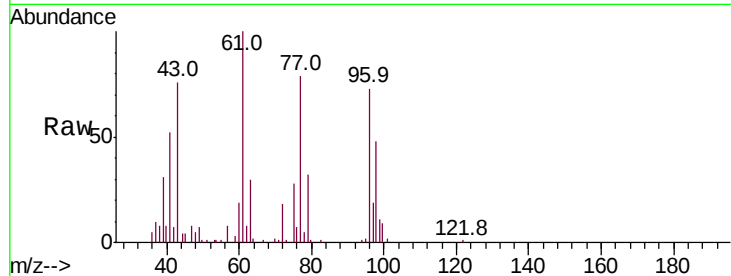


#27

cis-1,2-Dichloroethene
 Concen: 22.161 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :

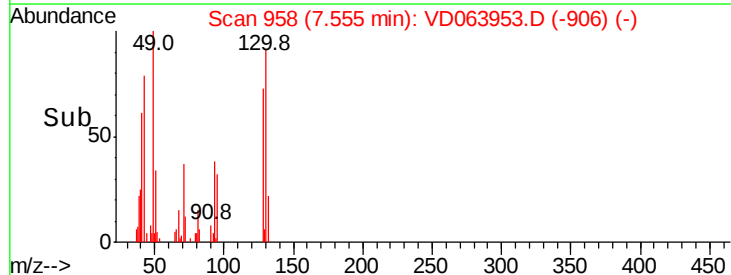
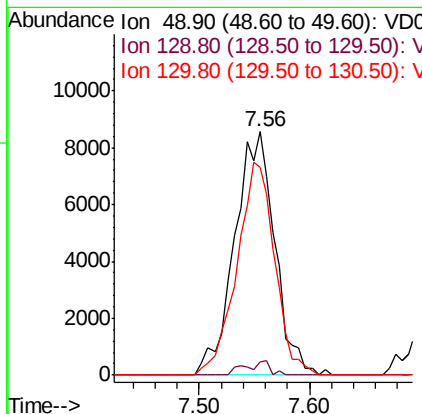
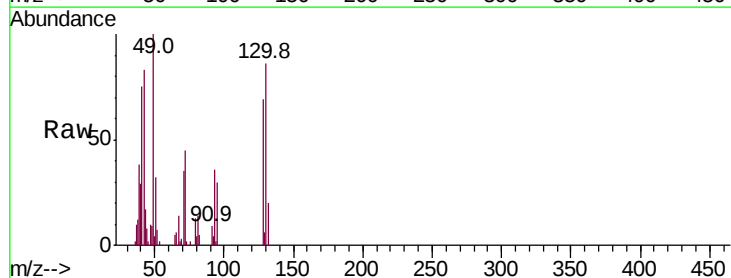
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	280.0
98	64.3	0.0	130.4

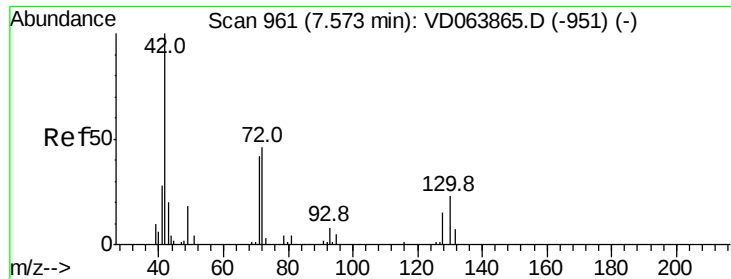


#28

Bromochloromethane
 Concen: 20.029 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.6
130	82.3	66.8	100.2

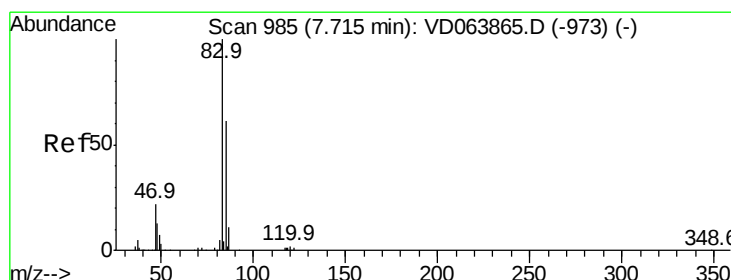
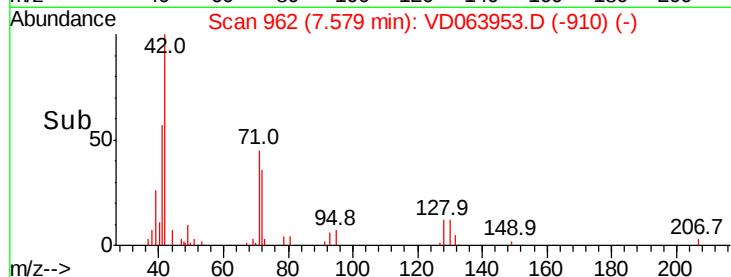
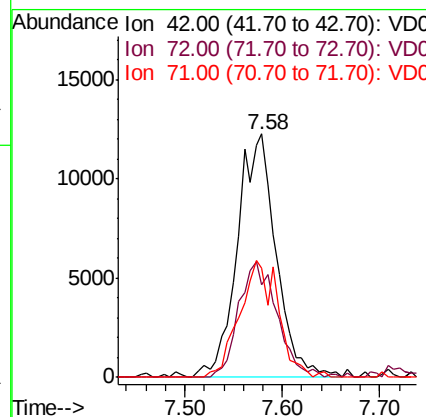
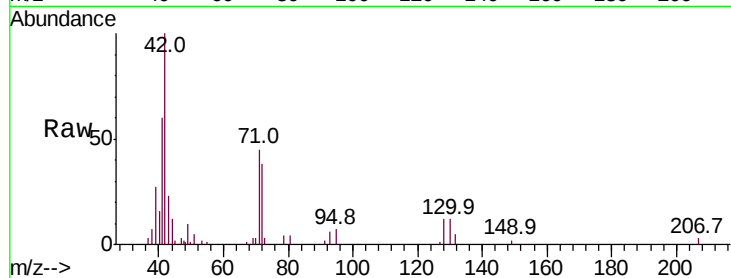




#29
Tetrahydrofuran
Concen: 110.900 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

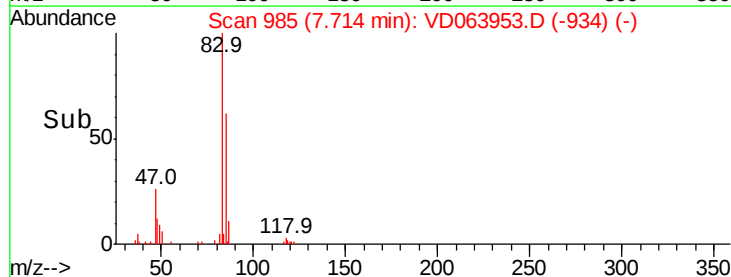
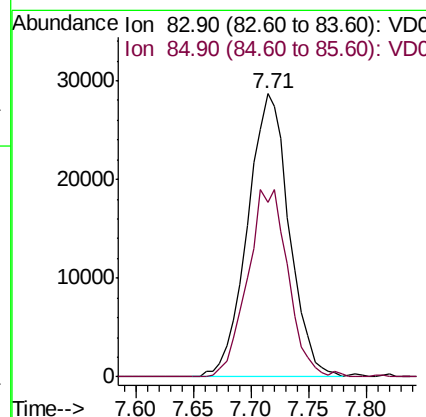
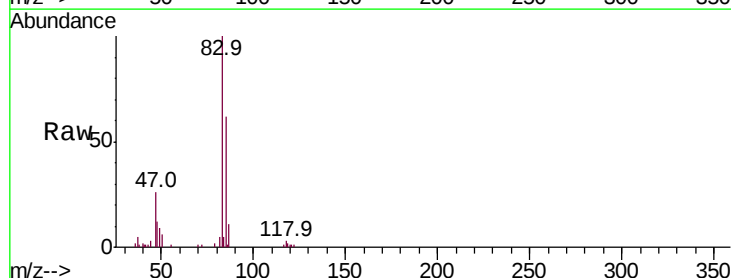
Instrument :
MSVOA_D
ClientSampleId :

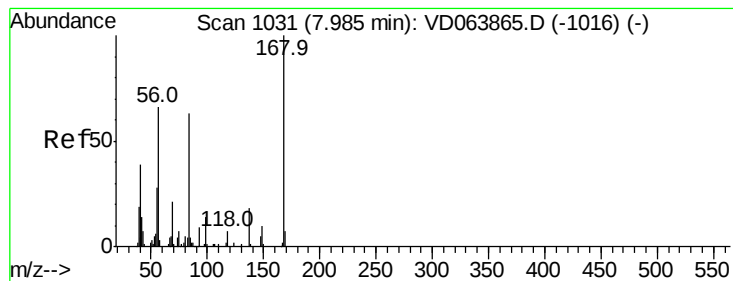
Tot Ion: 42 Resp: 33777
Ion Ratio Lower Upper
42 100
72 46.7 37.6 56.4
71 47.3 35.0 52.6



#30
Chloroform
Concen: 21.772 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 83 Resp: 72002
Ion Ratio Lower Upper
83 100
85 61.8 48.9 73.3





#31

Cyclohexane

Concen: 23.885 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

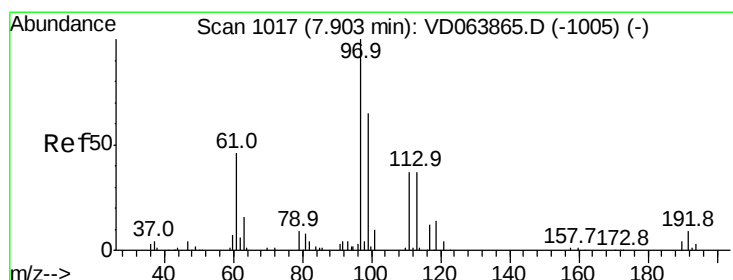
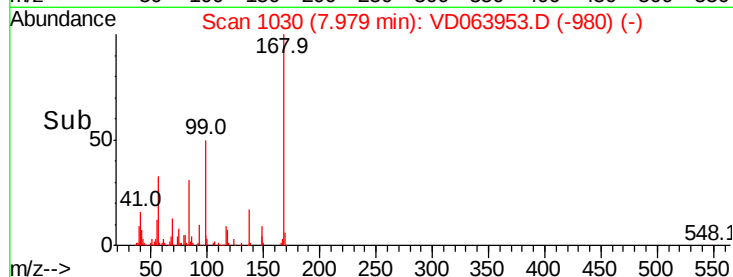
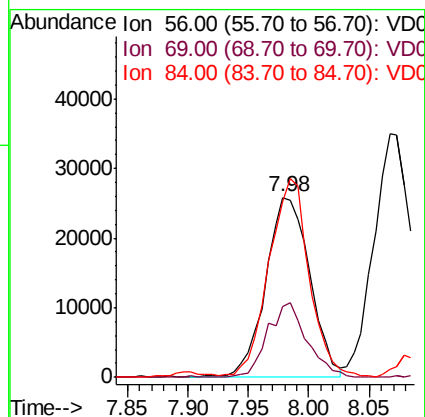
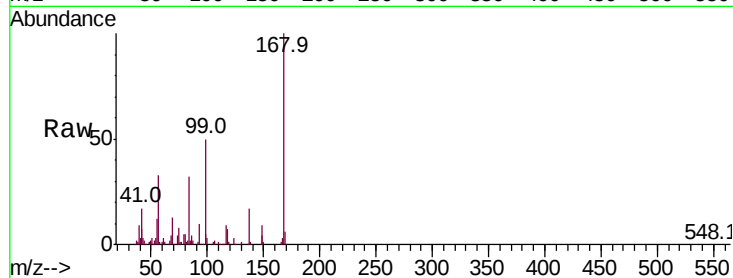
Tot Ion: 56 Resp: 65376

Ion Ratio Lower Upper

56 100

69 38.7 25.0 37.4#

84 94.7 76.3 114.5



#32

1,1,1-Trichloroethane

Concen: 22.874 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

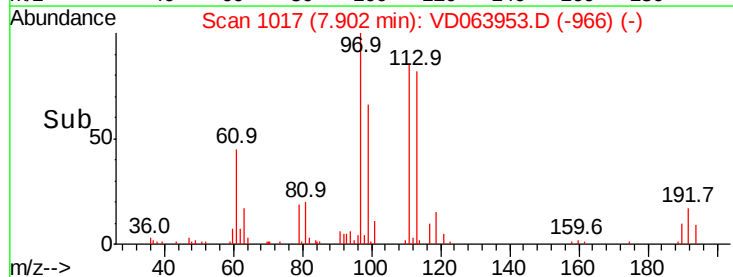
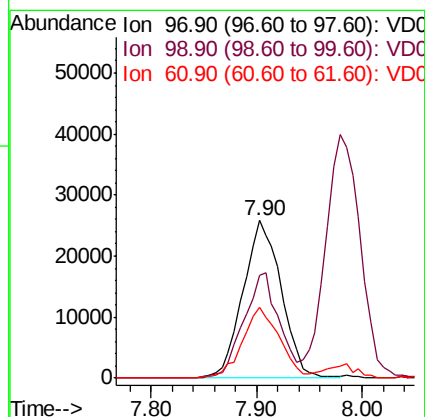
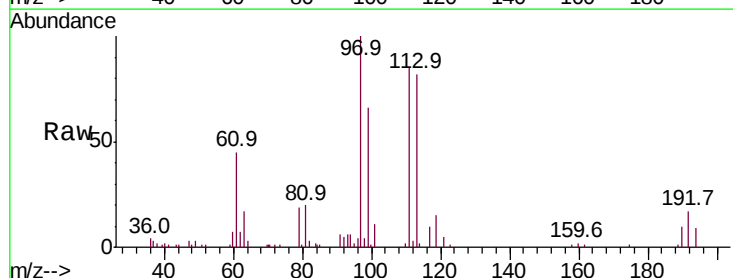
Tgt Ion: 97 Resp: 64889

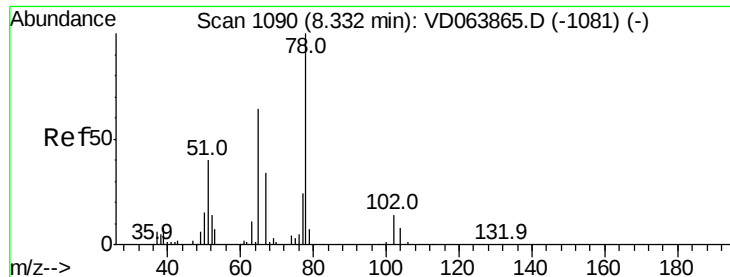
Ion Ratio Lower Upper

97 100

99 61.5 52.4 78.6

61 43.2 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 51.411 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

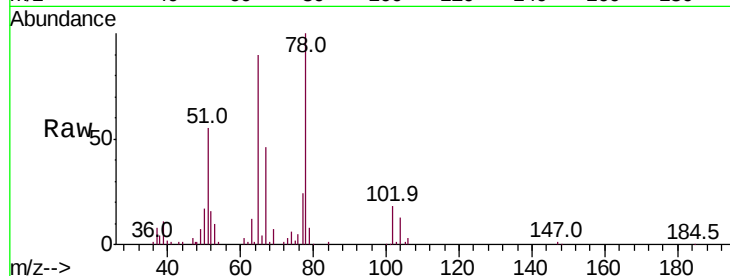
ClientSampleId :

Tot Ion: 65 Resp: 86946

Ion Ratio Lower Upper

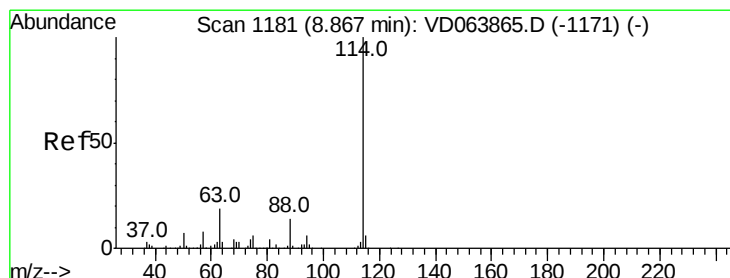
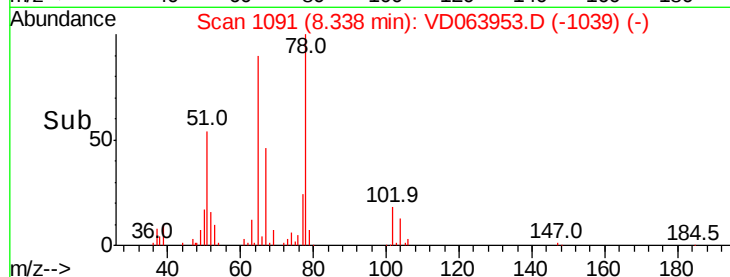
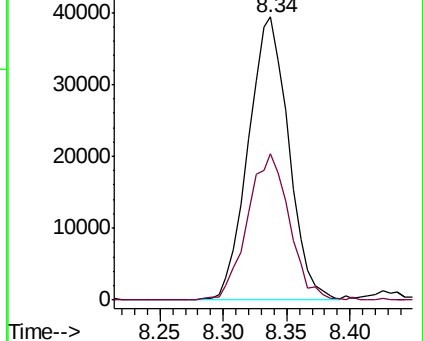
65 100

67 53.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

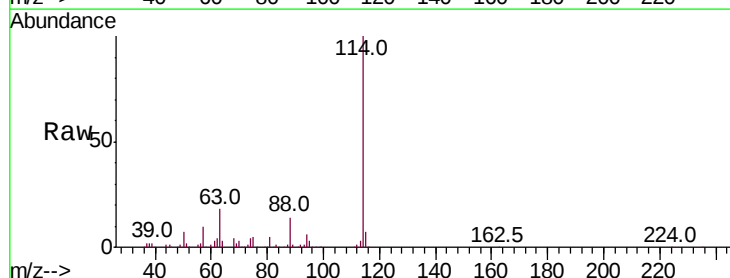
Tgt Ion:114 Resp: 280955

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

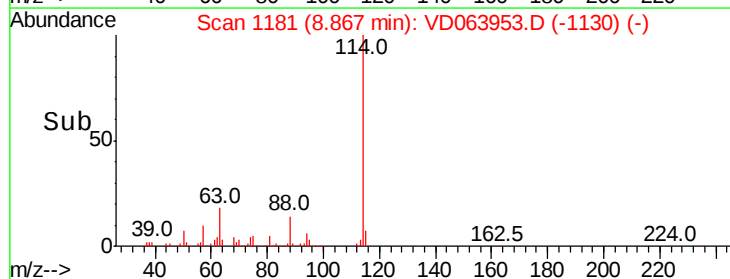
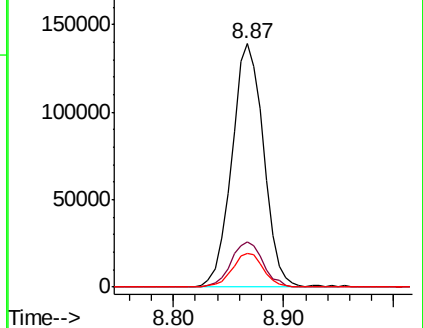
88 14.0 0.0 27.4

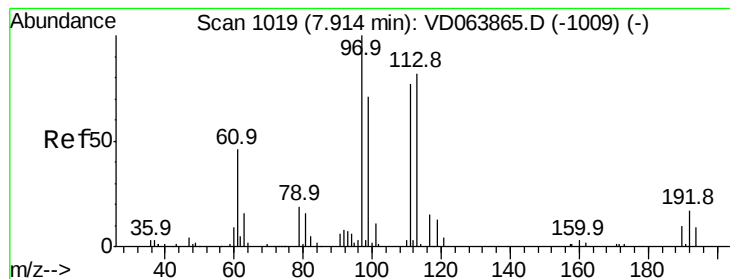


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.138 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

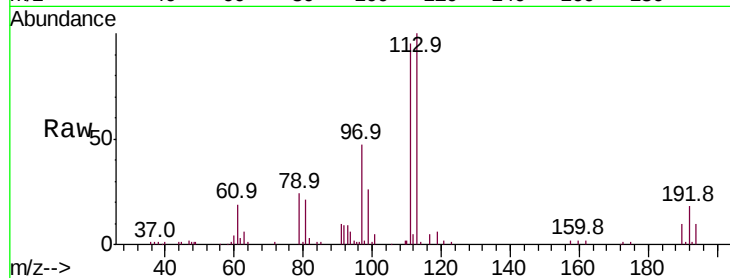
Tot Ion:113 Resp: 91238

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

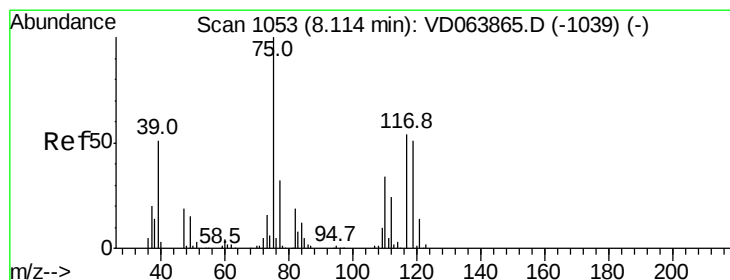
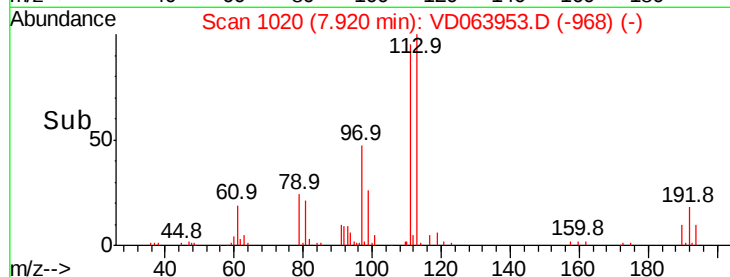
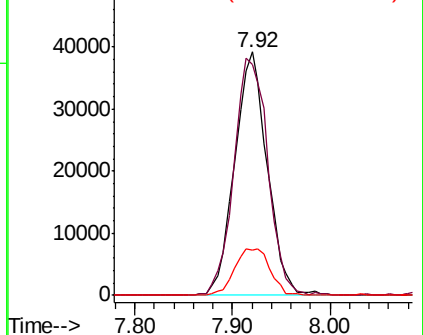
192 20.9 17.1 25.7



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: 22.698 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

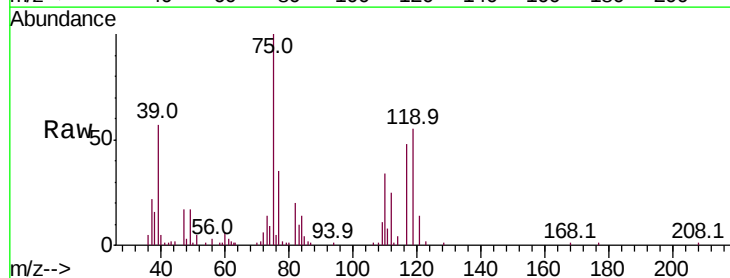
Tgt Ion: 75 Resp: 58308

Ion Ratio Lower Upper

75 100

110 34.1 17.4 52.3

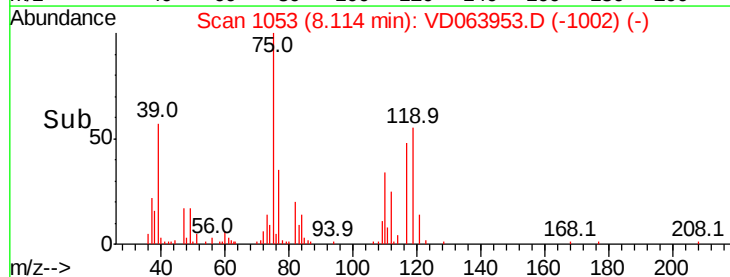
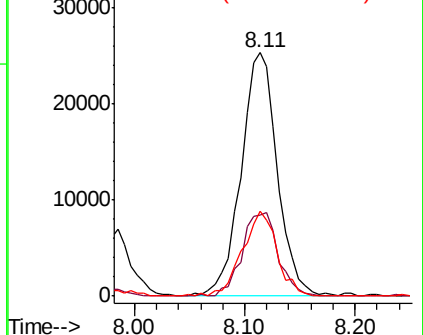
77 33.5 25.4 38.0

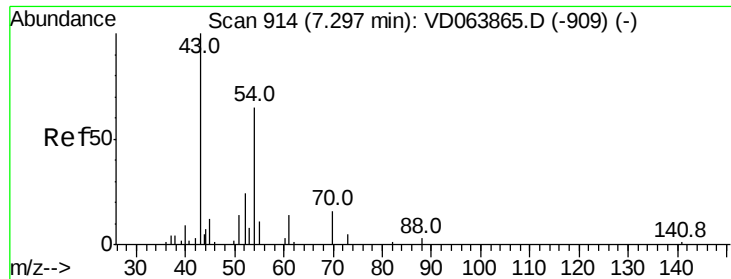


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

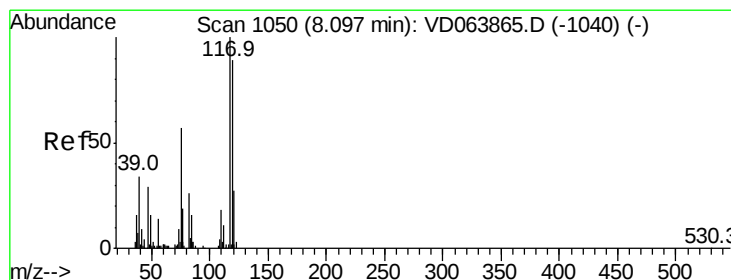
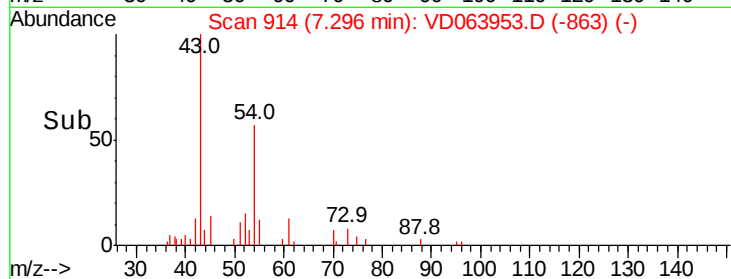
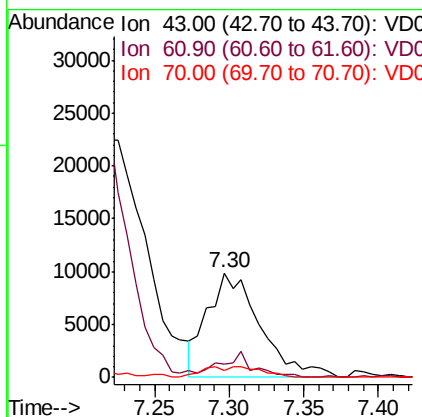
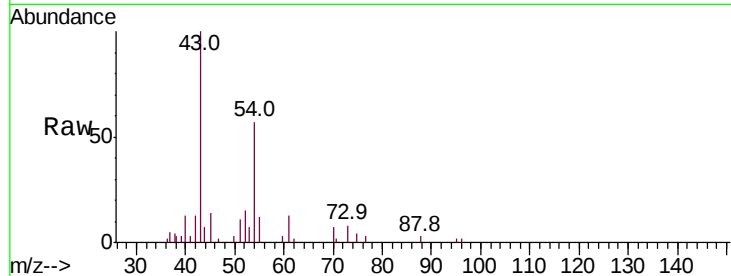




#37
Ethyl Acetate
Concen: 21.308 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

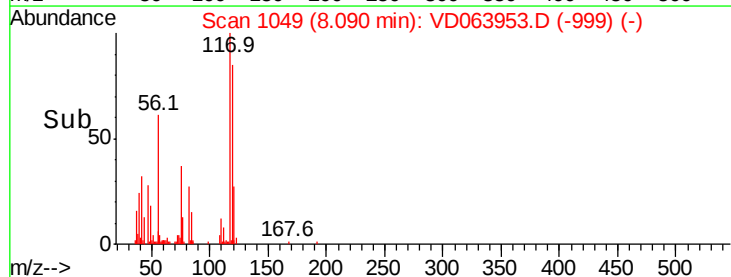
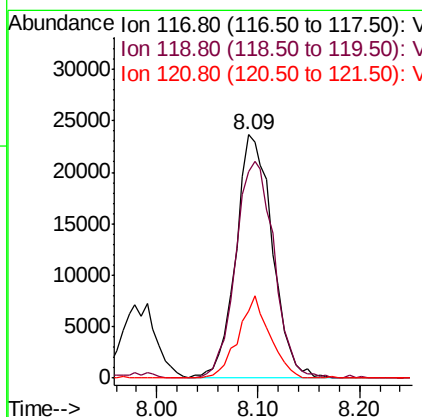
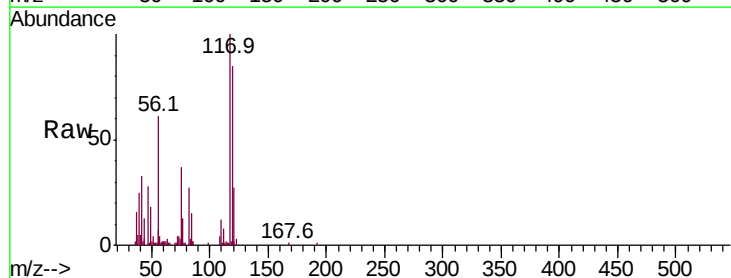
Instrument :
MSVOA_D
ClientSampled :

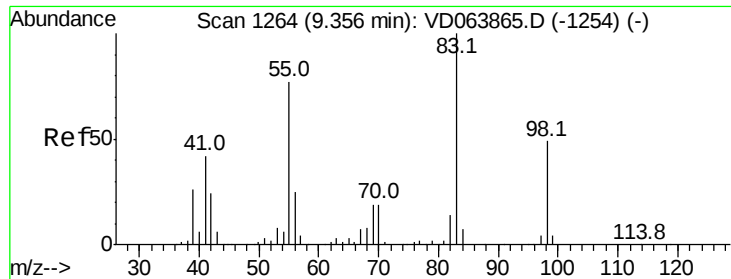
Tot Ion: 43 Resp: 24306
Ion Ratio Lower Upper
43 100
61 16.2 11.5 17.3
70 4.6 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 22.743 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 117 Resp: 59038
Ion Ratio Lower Upper
117 100
119 84.6 70.8 106.2
121 27.5 21.4 32.0

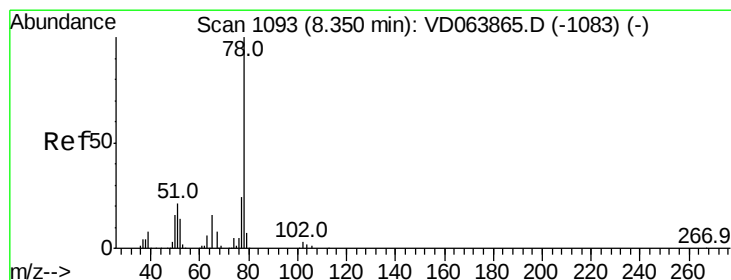
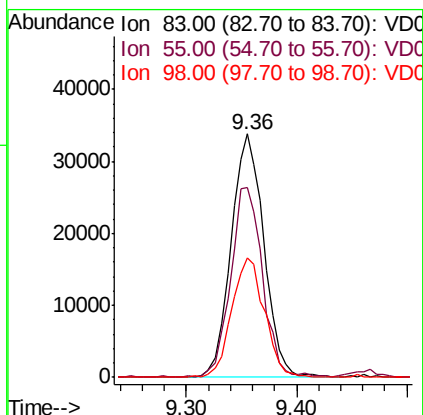
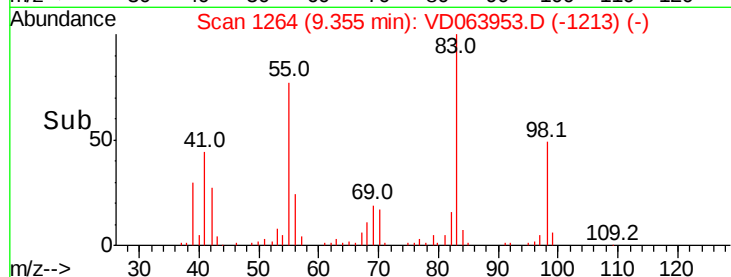
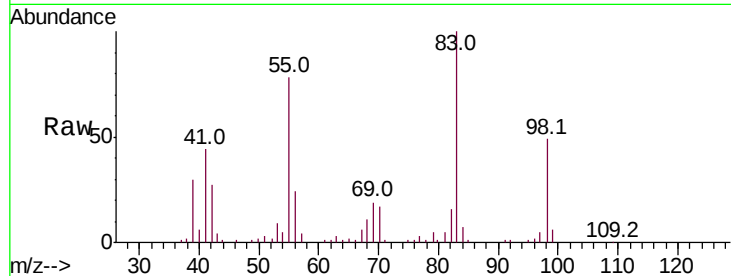




#39
Methvlcvclohexane
Concen: 22.218 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

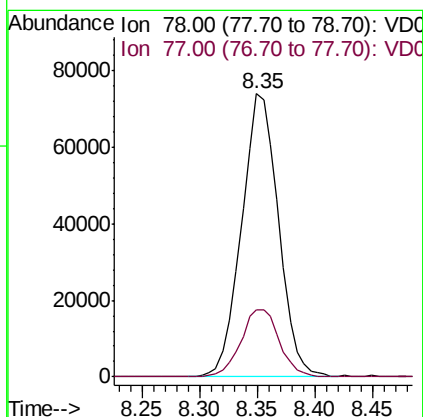
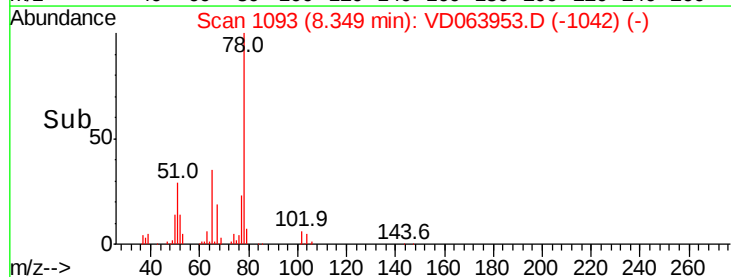
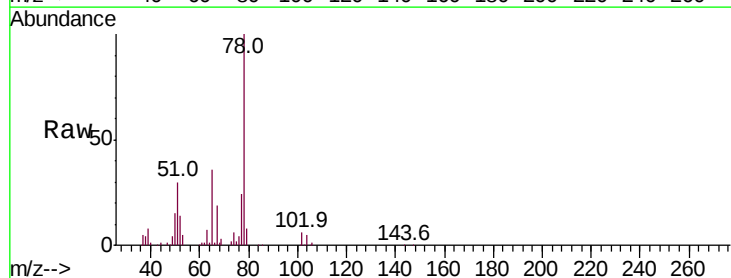
Instrument :
MSVOA_D
ClientSampleId :

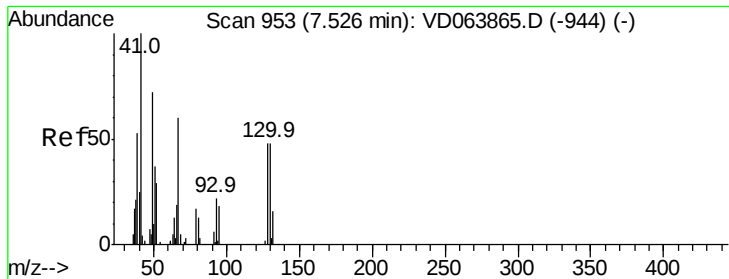
Tot Ion: 83 Resp: 70176
Ion Ratio Lower Upper
83 100
55 77.4 61.3 91.9
98 49.3 39.3 58.9



#40
Benzene
Concen: 22.341 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 78 Resp: 164461
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6





#41

Methacrylonitrile

Concen: 21.895 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 13040

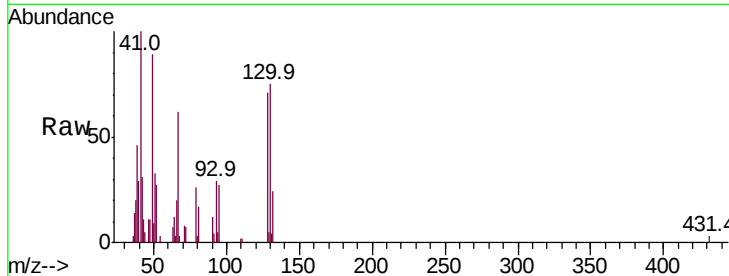
Ion Ratio Lower Upper

41 100

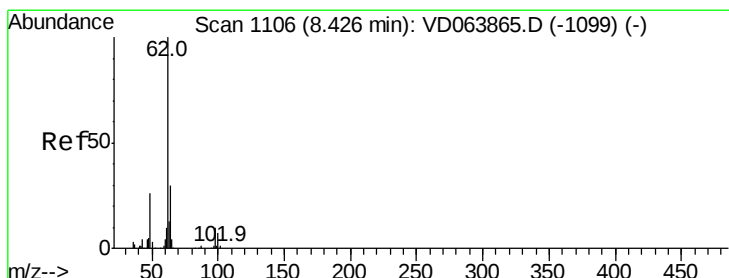
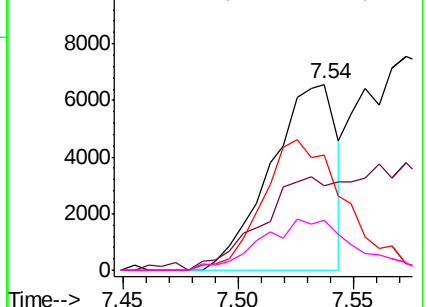
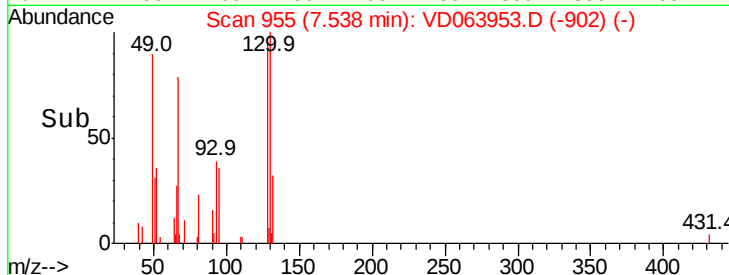
39 49.6 52.6 78.8#

67 87.3 74.2 111.2

52 37.9 34.0 51.0



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



#42

1,2-Dichloroethane

Concen: 21.851 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063953.D

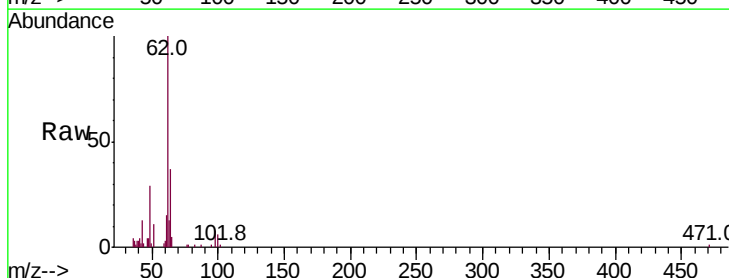
Acq: 14 Oct 2019 14:01

Tgt Ion: 62 Resp: 46530

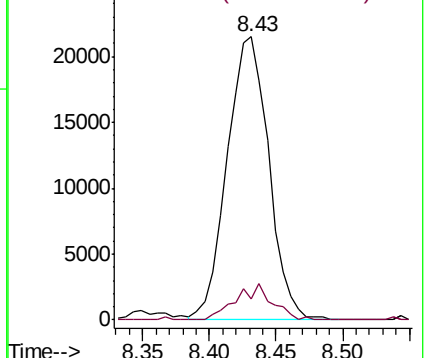
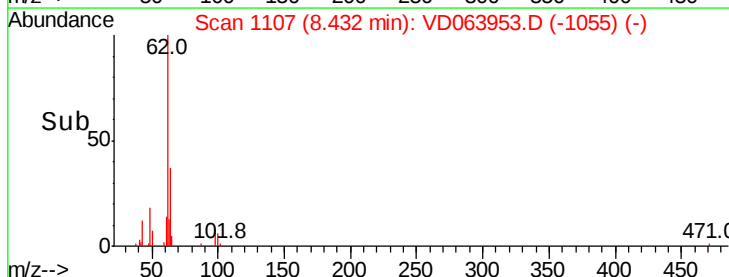
Ion Ratio Lower Upper

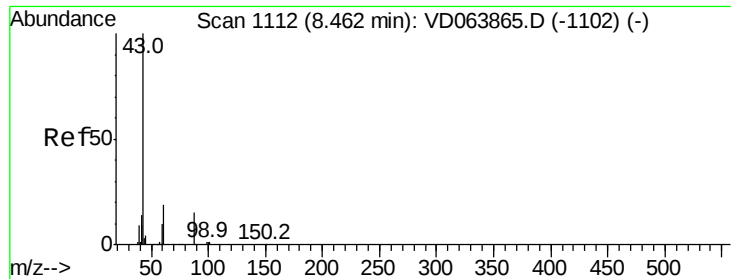
62 100

98 10.9 0.0 20.0



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

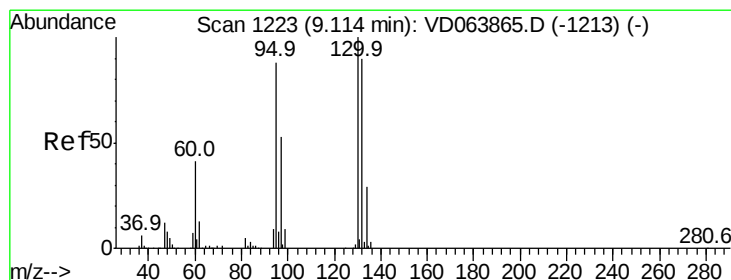
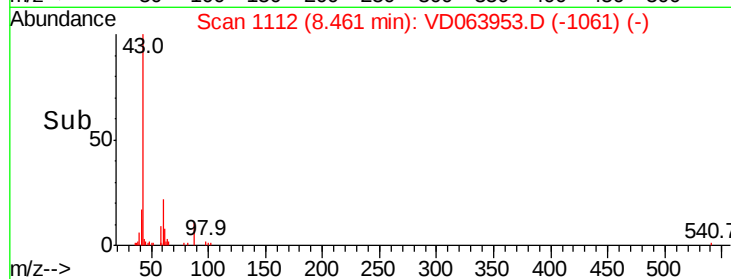
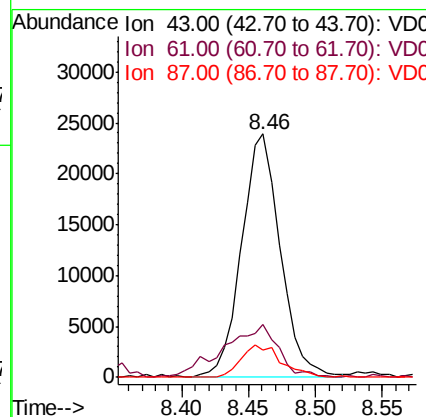
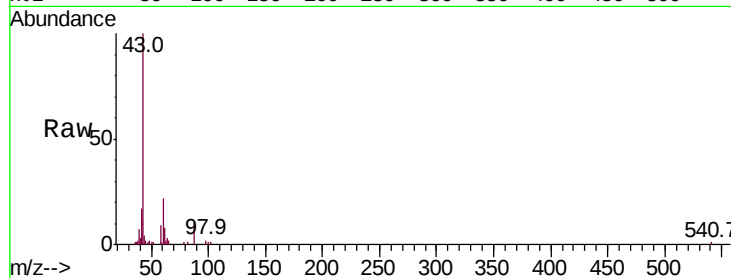




#43
Isopropyl Acetate
Concen: 22.349 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

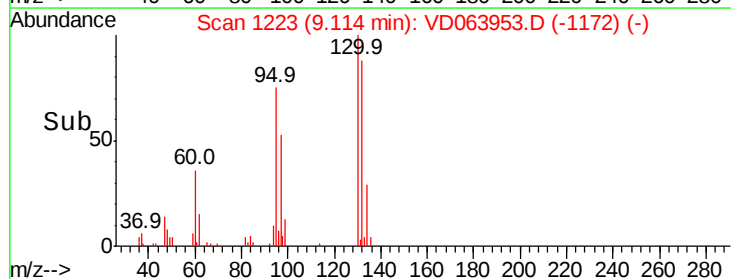
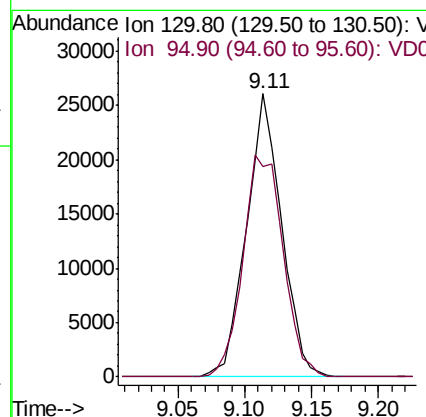
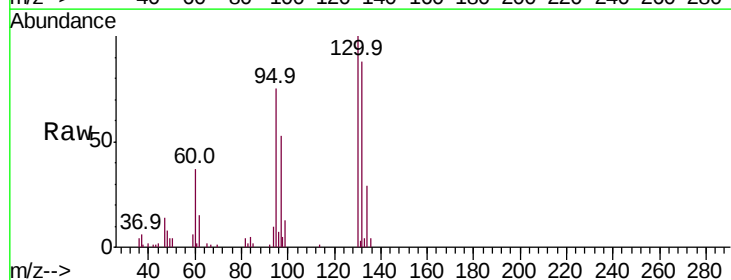
Instrument :
MSVOA_D
ClientSampleId :

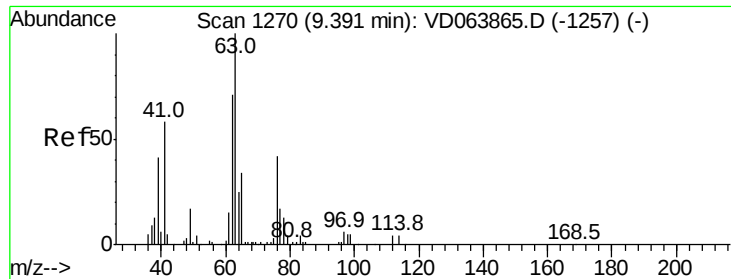
Tot Ion: 43 Resp: 48147
Ion Ratio Lower Upper
43 100
61 31.0 25.7 38.5
87 13.9 11.6 17.4



#44
Trichloroethene
Concen: 22.277 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion:130 Resp: 47290
Ion Ratio Lower Upper
130 100
95 74.6 0.0 175.6





#45

1,2-Dichloropropane

Concen: 21.482 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

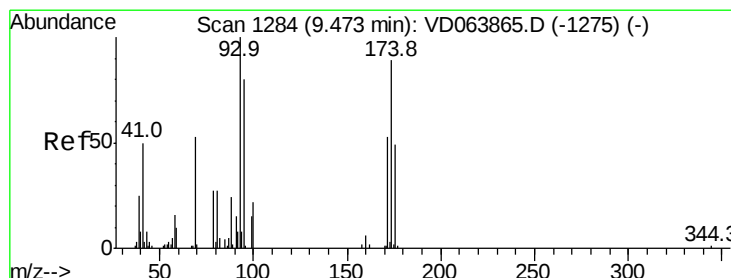
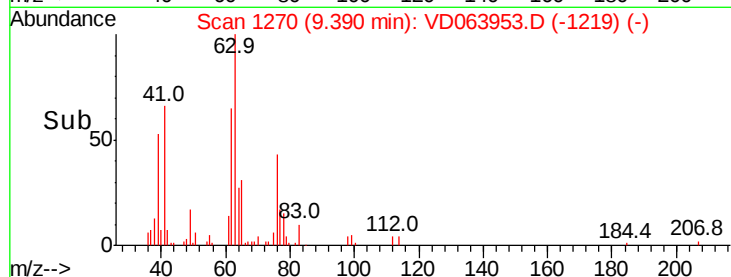
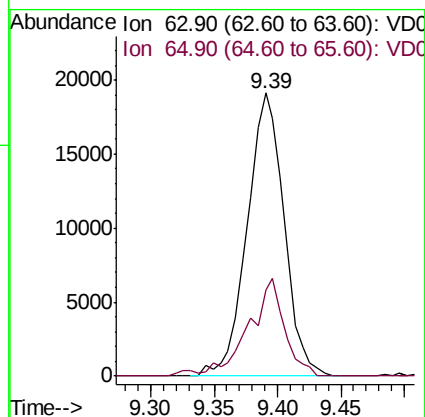
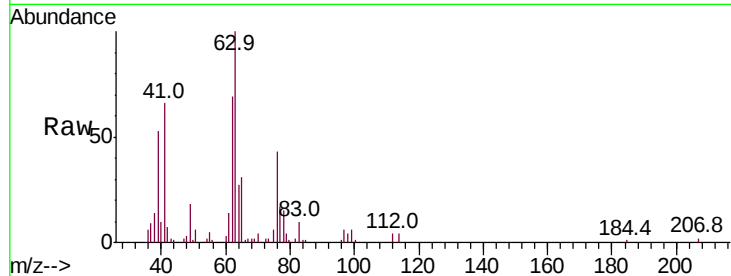
ClientSampleId :

Tot Ion: 63 Resp: 38707

Ion Ratio Lower Upper

63 100

65 30.6 27.3 40.9



#46

Dibromomethane

Concen: 22.405 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

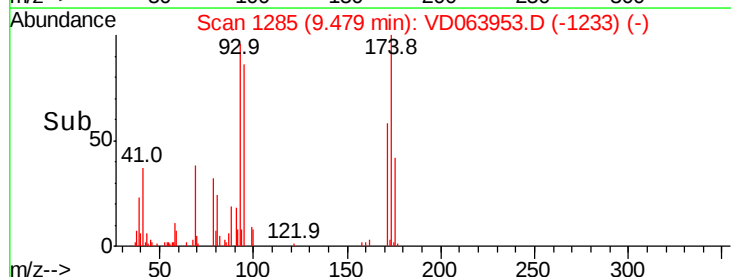
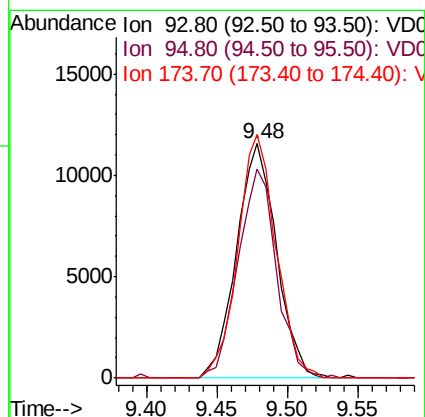
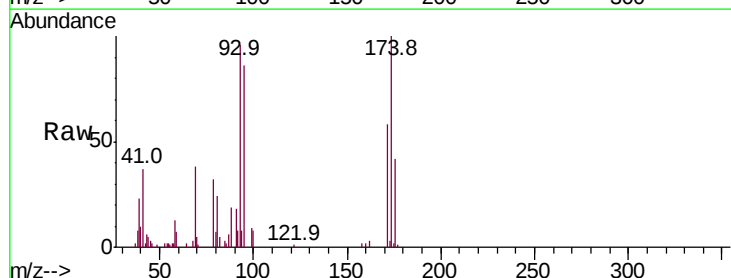
Tgt Ion: 93 Resp: 22991

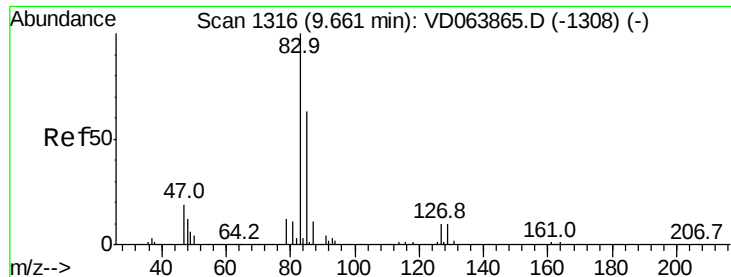
Ion Ratio Lower Upper

93 100

95 85.3 66.0 99.0

174 98.8 83.4 125.0





#47

Bromodichloromethane

Concen: 20.896 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

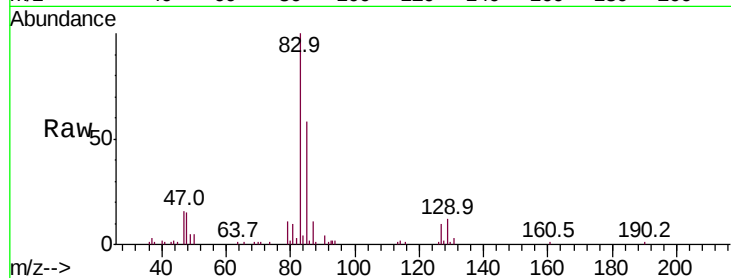
Tot Ion: 83 Resp: 55208

Ion Ratio Lower Upper

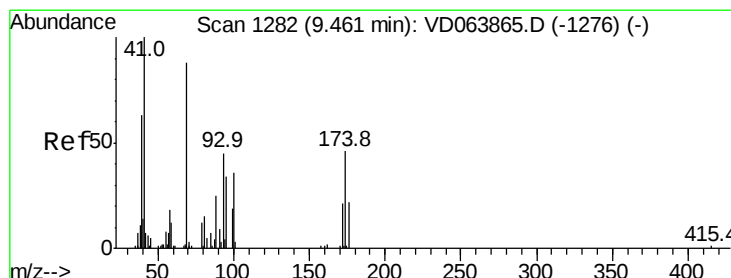
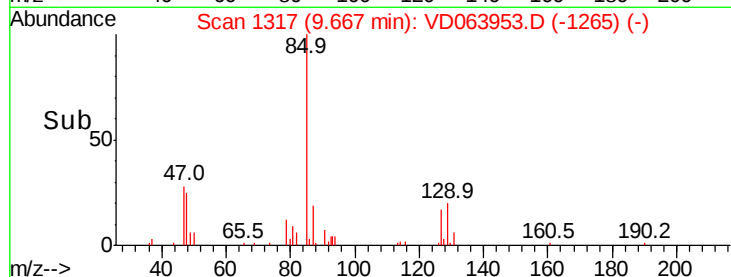
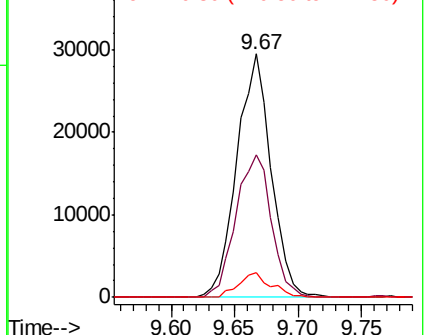
83 100

85 58.3 50.2 75.2

127 10.2 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: 20.782 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

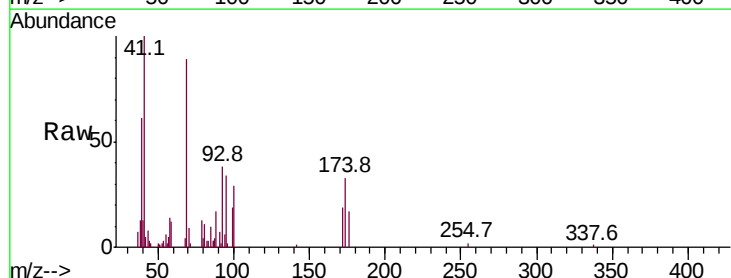
Tgt Ion: 41 Resp: 21451

Ion Ratio Lower Upper

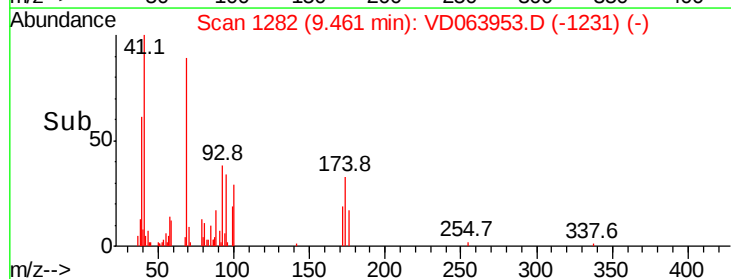
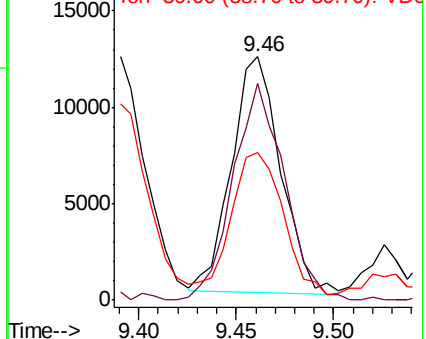
41 100

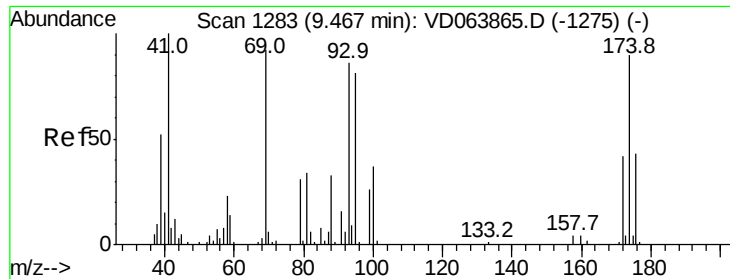
69 95.3 75.1 112.7

39 69.2 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

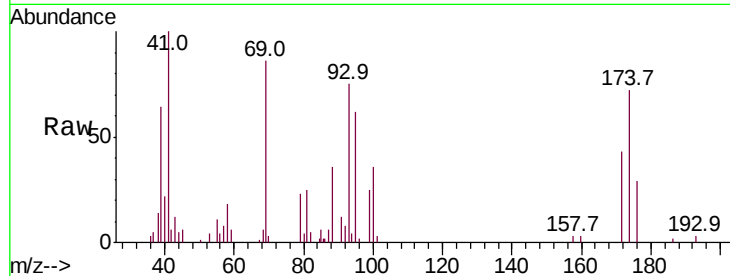




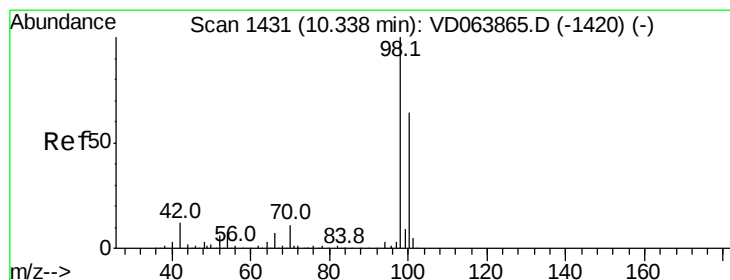
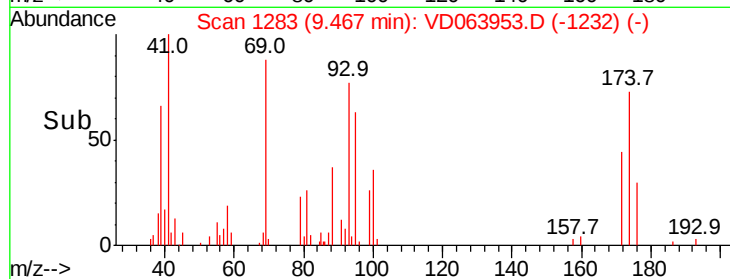
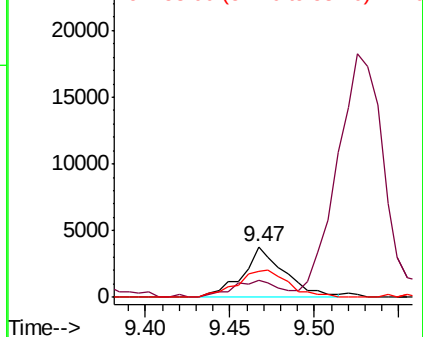
#49
1,4-Dioxane
Concen: 470.186 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 6586
Ion Ratio Lower Upper
88 100
43 38.3 27.6 41.4
58 65.0 54.1 81.1

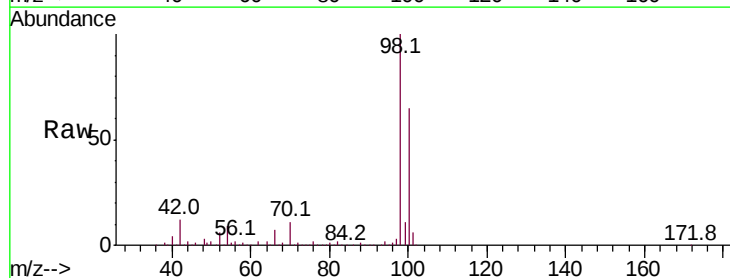


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

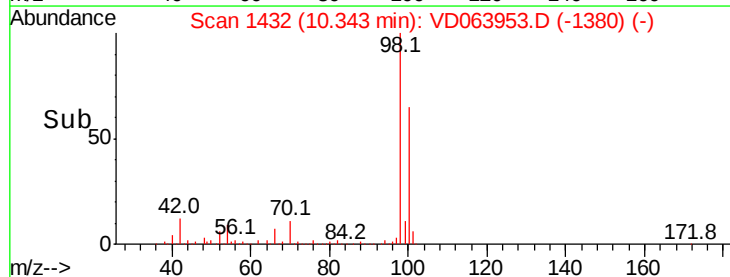
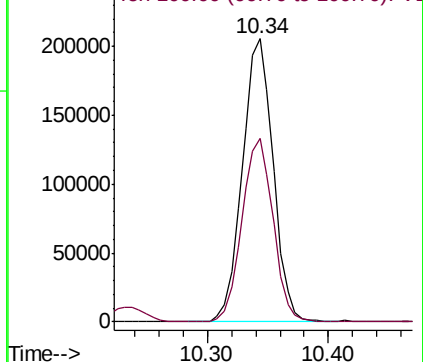


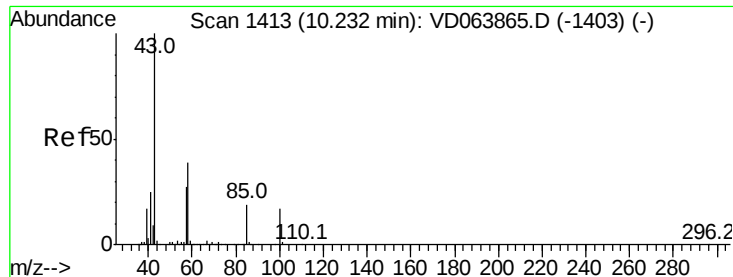
#50
Toluene-d8
Concen: 52.544 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 98 Resp: 366182
Ion Ratio Lower Upper
98 100
100 65.6 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: 113.465 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

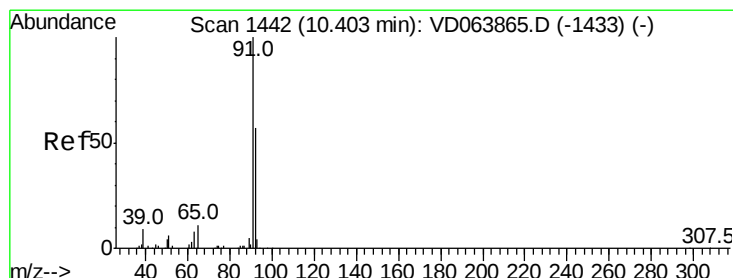
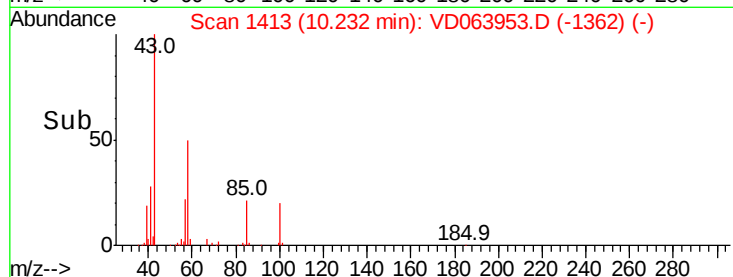
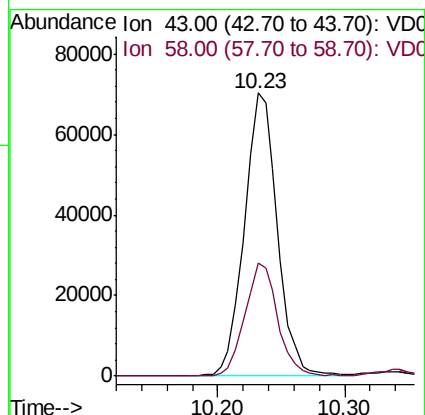
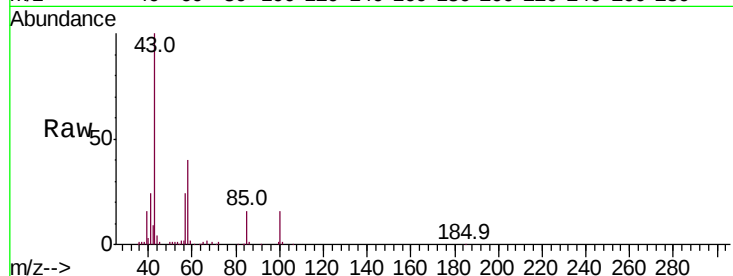
ClientSampleId :

Tot Ion: 43 Resp: 126772

Ion Ratio Lower Upper

43 100

58 39.9 33.0 49.4



#52

Toluene

Concen: 21.960 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063953.D

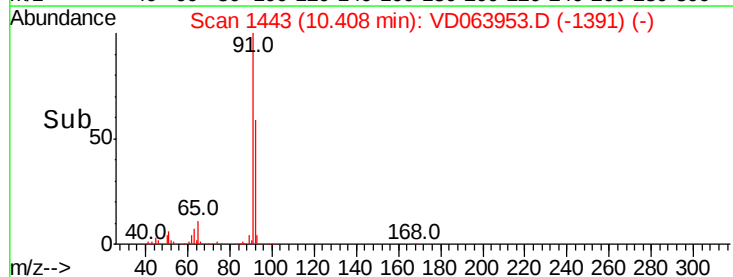
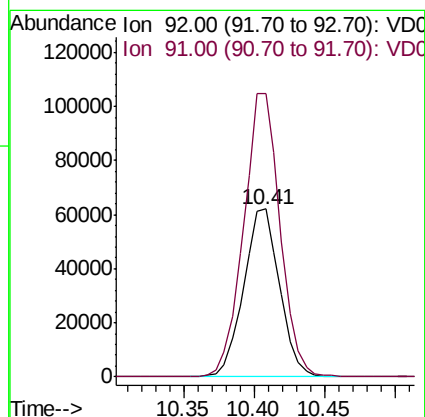
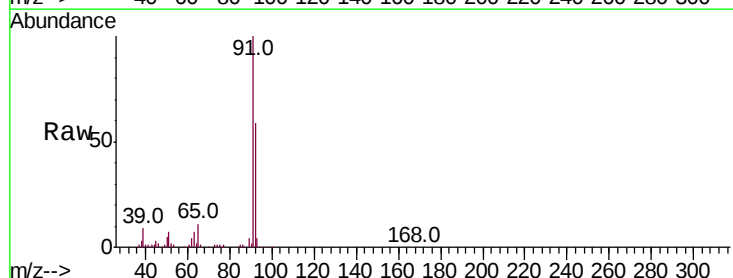
Acq: 14 Oct 2019 14:01

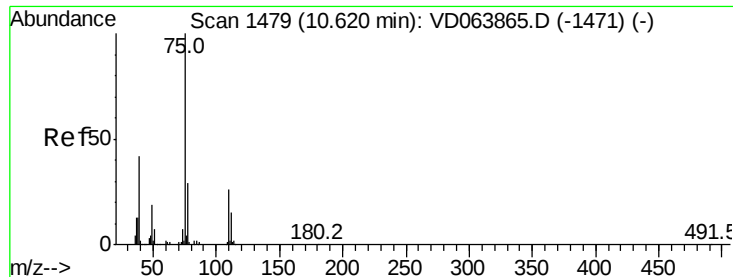
Tgt Ion: 92 Resp: 110978

Ion Ratio Lower Upper

92 100

91 170.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 21.508 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

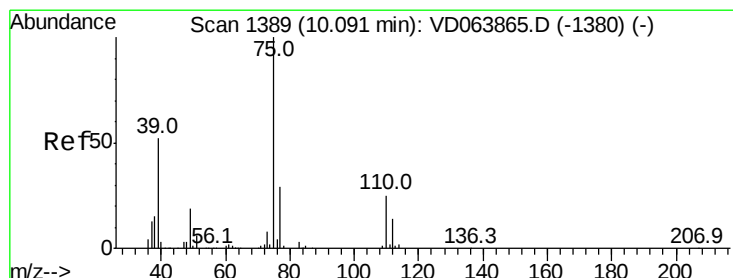
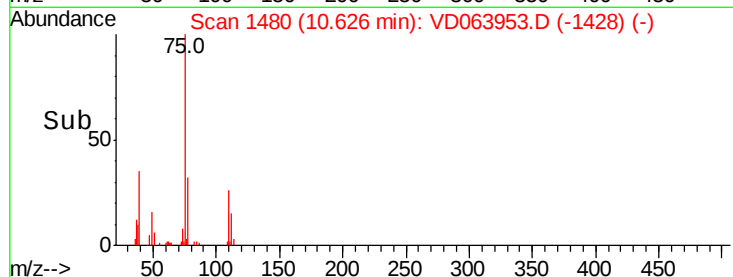
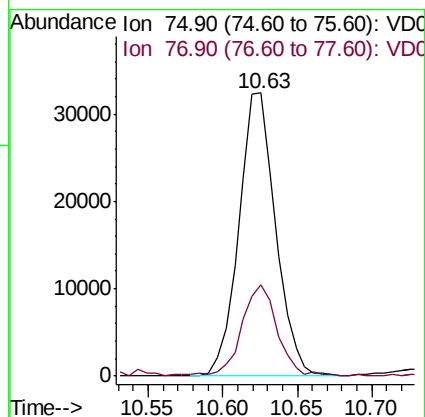
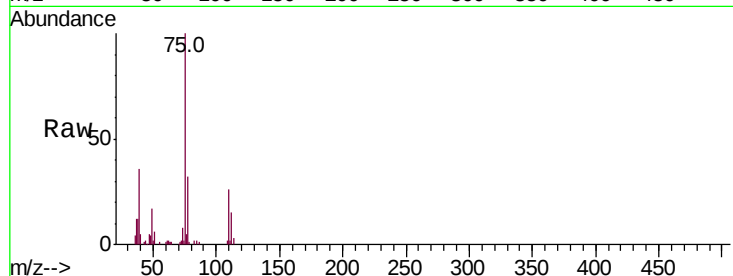
ClientSampleId :

Tot Ion: 75 Resp: 55449

Ion Ratio Lower Upper

75 100

77 32.1 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 20.982 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

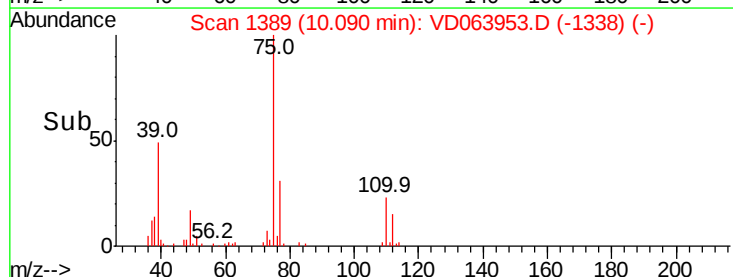
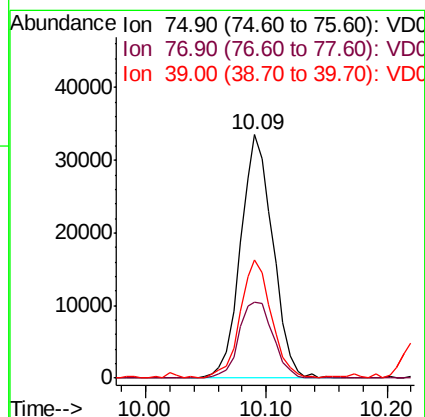
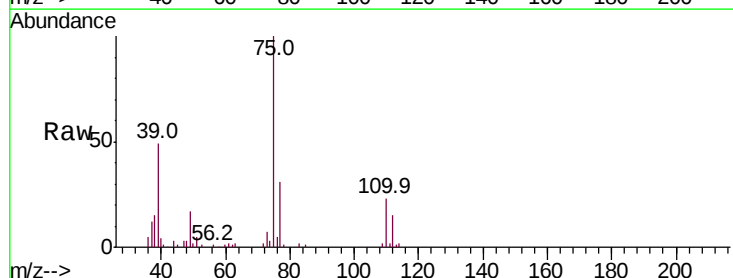
Tgt Ion: 75 Resp: 62268

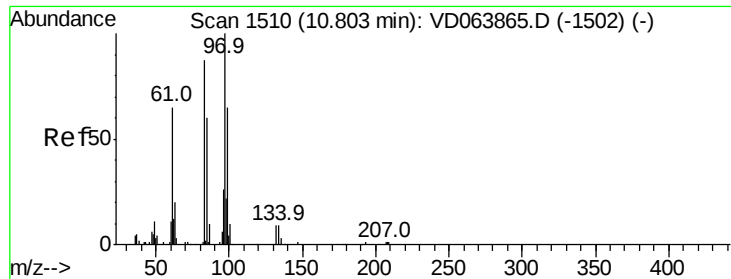
Ion Ratio Lower Upper

75 100

77 31.4 23.2 34.8

39 48.1 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 22.620 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 32774

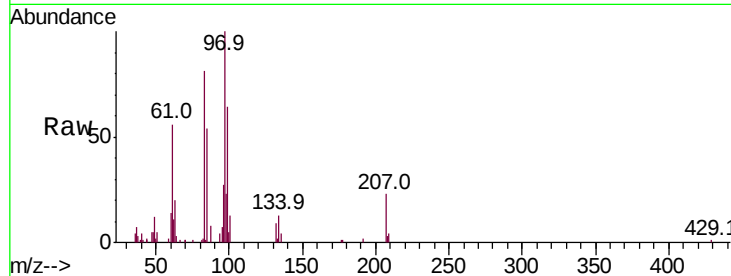
Ion Ratio Lower Upper

97 100

83 80.8 69.7 104.5

85 54.0 48.1 72.1

99 63.8 51.9 77.9

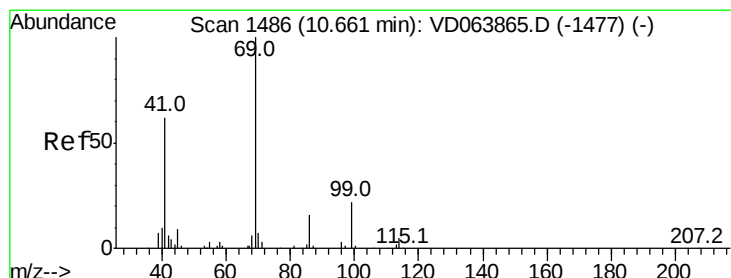
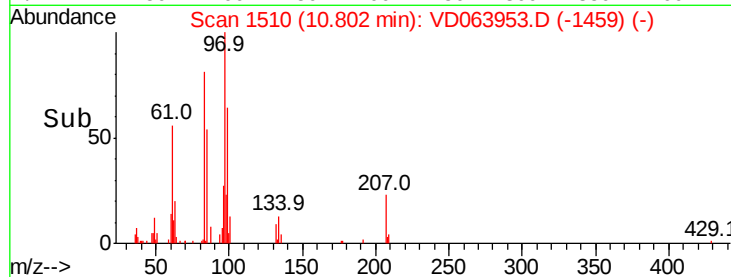
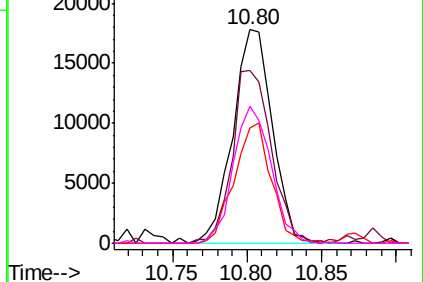


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.452 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

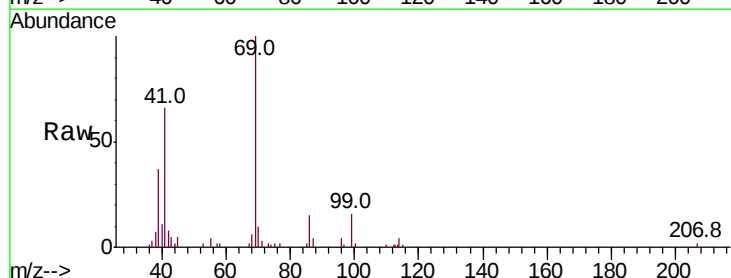
Tgt Ion: 69 Resp: 37527

Ion Ratio Lower Upper

69 100

41 66.3 51.3 76.9

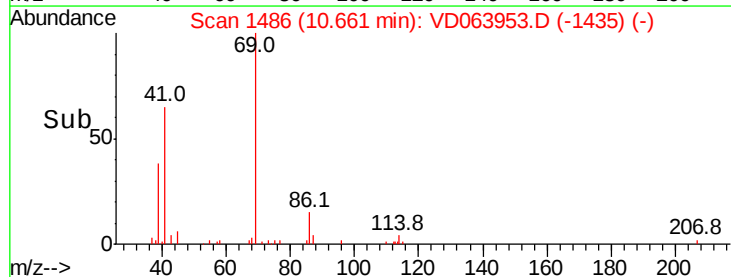
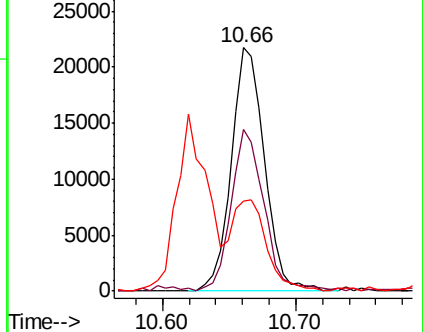
39 40.4 28.0 42.0

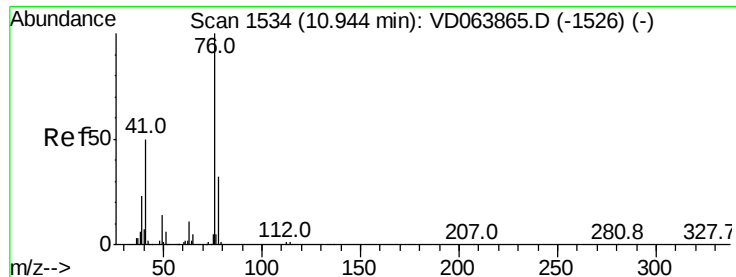


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.534 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

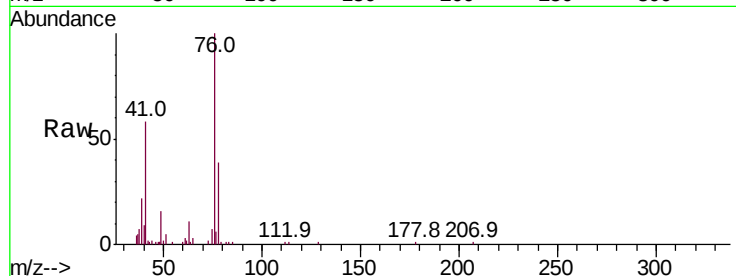
ClientSampleId :

Tot Ion: 76 Resp: 53383

Ion Ratio Lower Upper

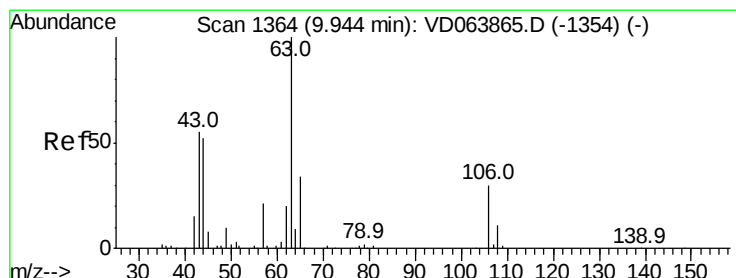
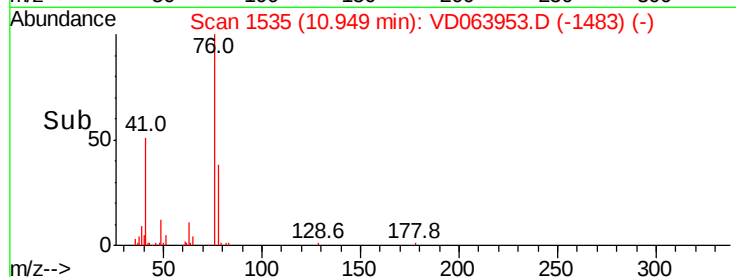
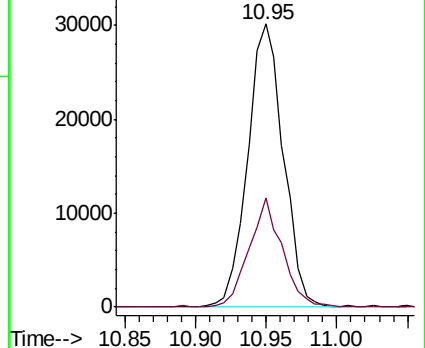
76 100

78 35.9 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: 102.958 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD063953.D

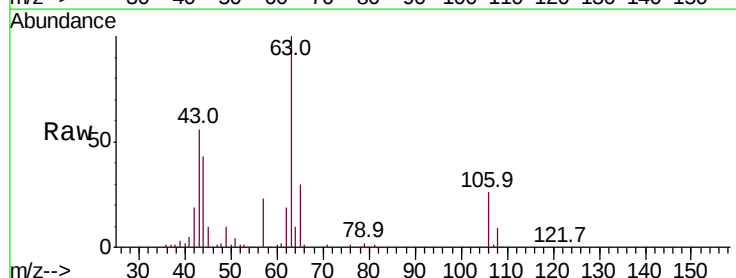
Acq: 14 Oct 2019 14:01

Tgt Ion: 63 Resp: 81201

Ion Ratio Lower Upper

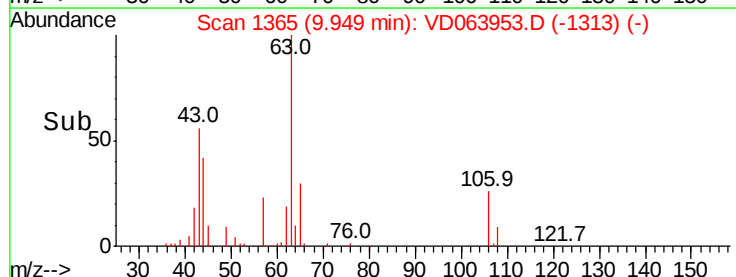
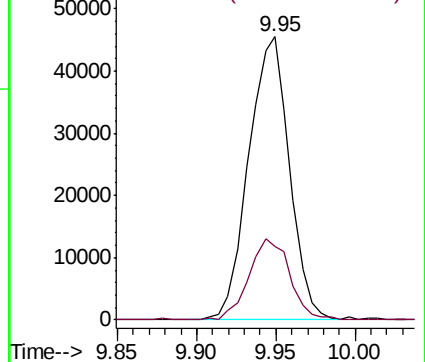
63 100

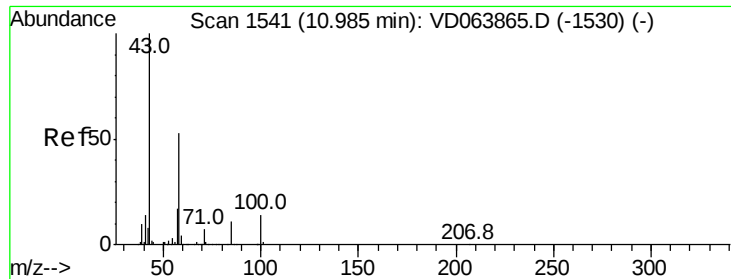
106 28.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

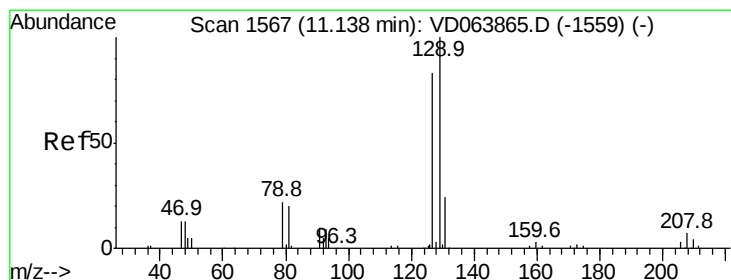
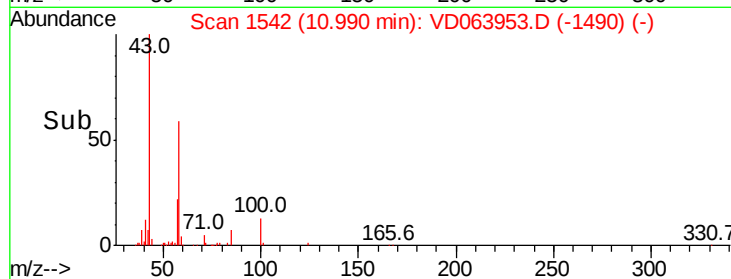
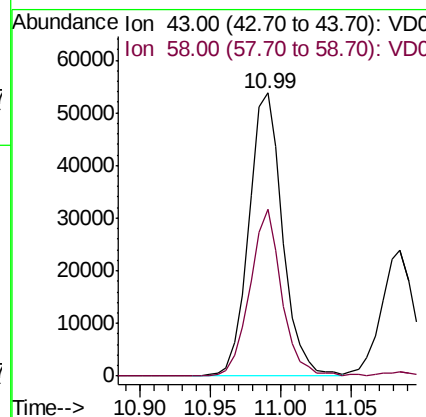
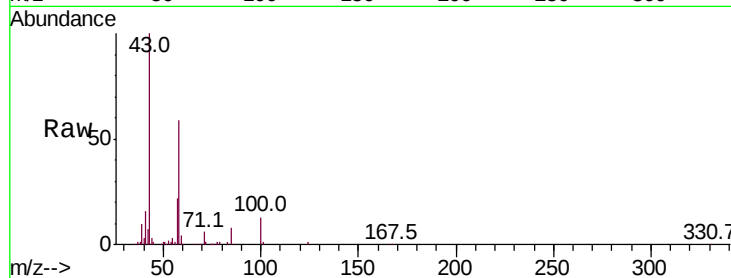




#59
2-Hexanone
Concen: 111.690 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

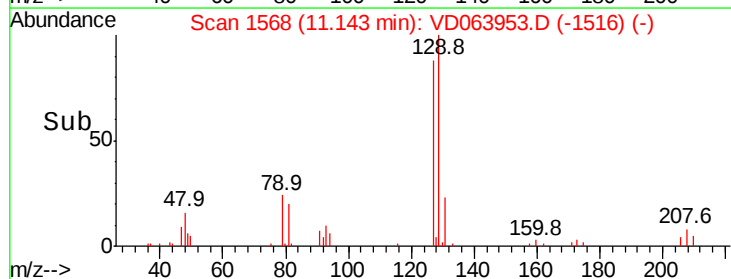
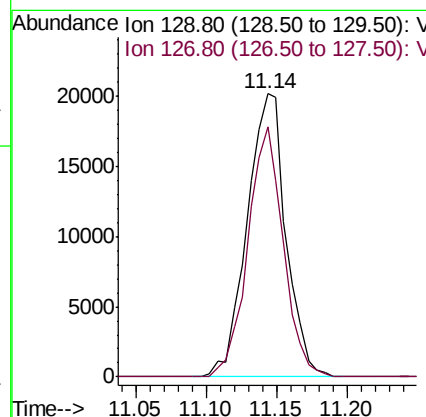
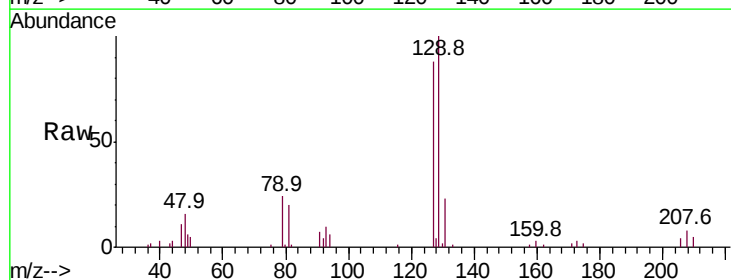
Instrument :
MSVOA_D
ClientSampled :

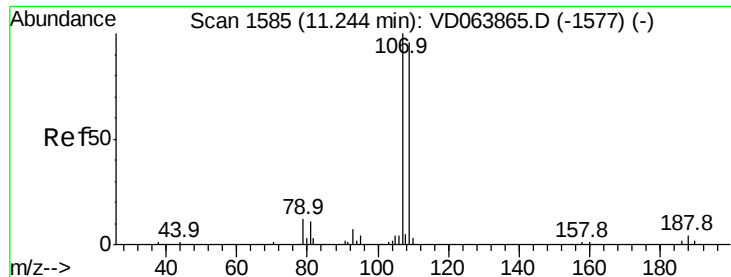
Tot Ion: 43 Resp: 90269
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.0



#60
Dibromochloromethane
Concen: 20.661 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 129 Resp: 38974
Ion Ratio Lower Upper
129 100
127 80.6 39.9 119.6

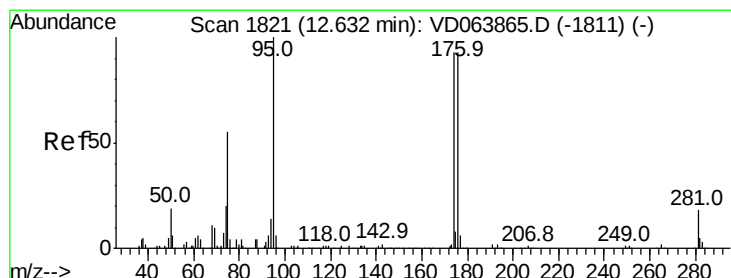
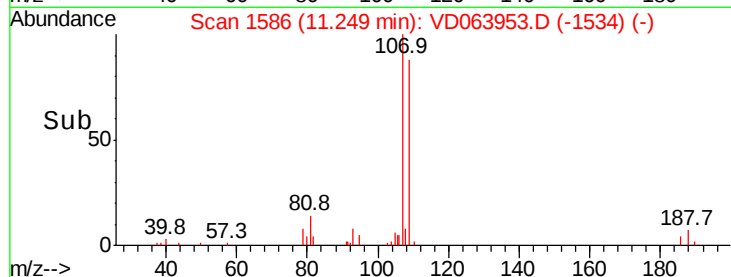
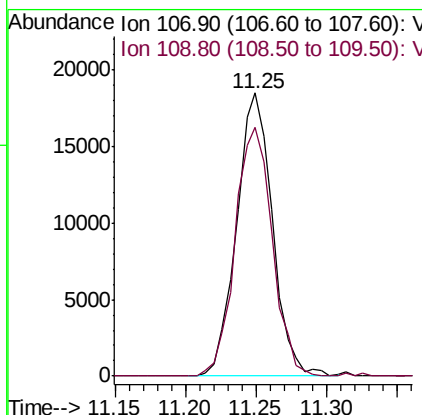
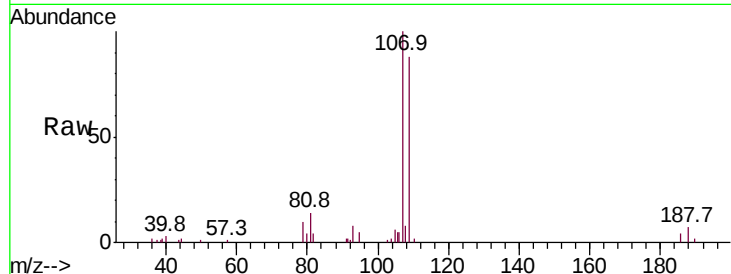




#61
 1,2-Dibromoethane
 Concen: 23.386 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

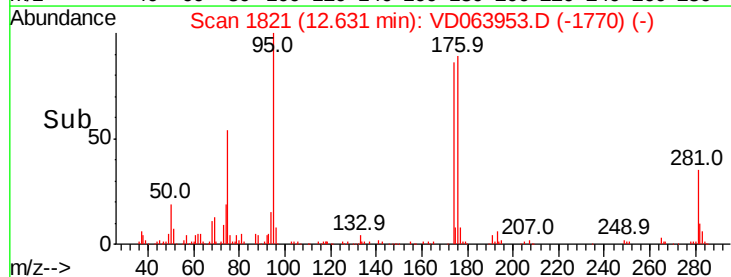
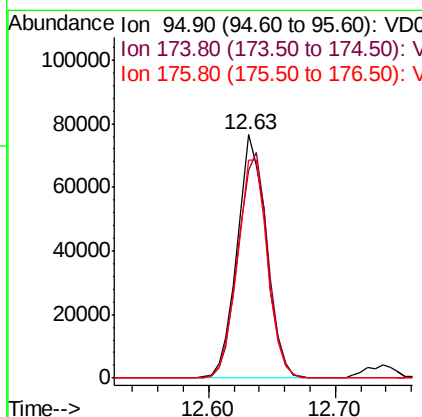
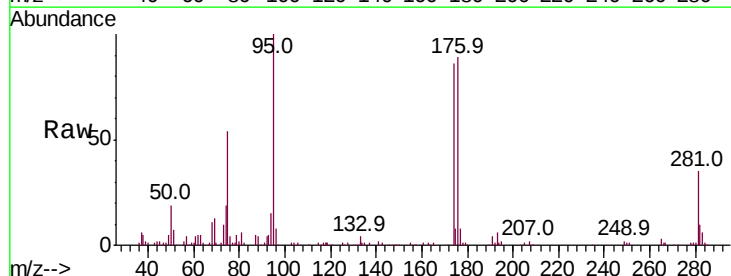
Instrument :
 MSVOA_D
 ClientSampleId :

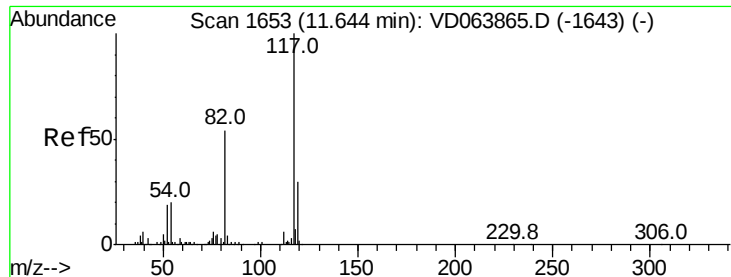
Tot Ion:107 Resp: 32849
 Ion Ratio Lower Upper
 107 100
 109 90.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.261 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion: 95 Resp: 121718
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 186.4
 176 92.4 0.0 184.2

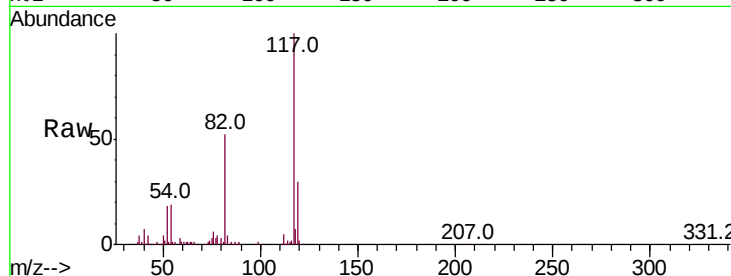




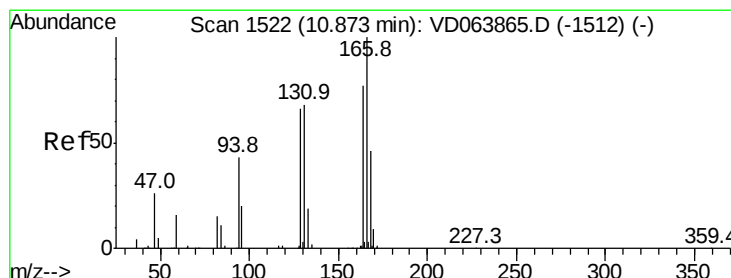
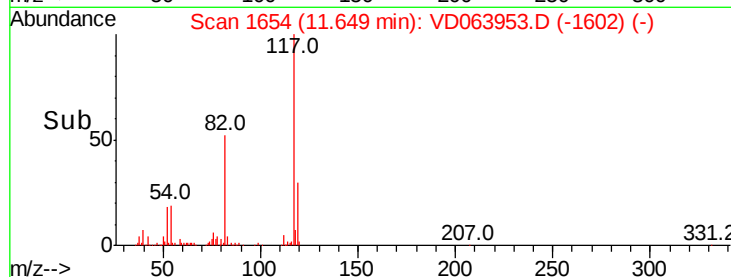
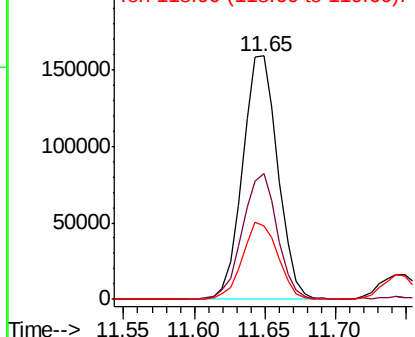
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 277674
Ion Ratio Lower Upper
117 100
82 51.9 42.8 64.2
119 29.9 24.4 36.6

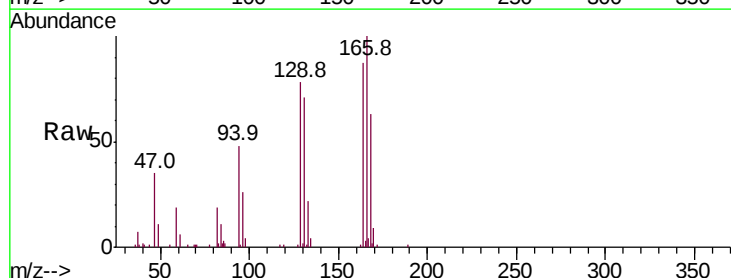


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

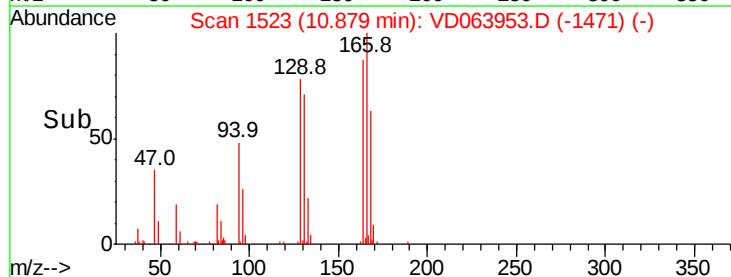
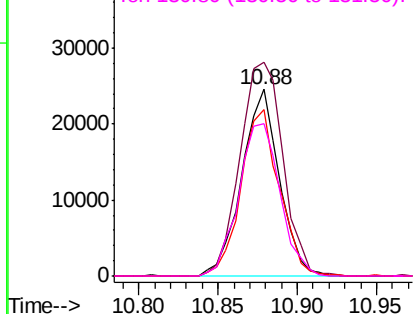


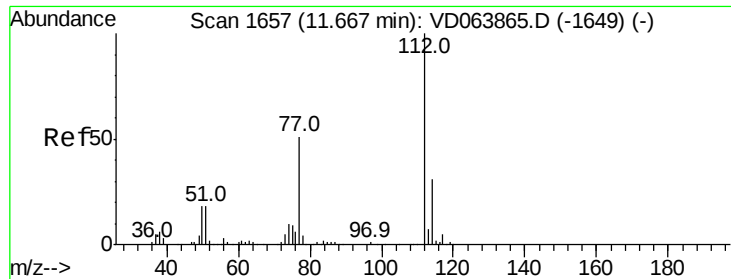
#64
Tetrachloroethene
Concen: 21.291 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion:164 Resp: 40360
Ion Ratio Lower Upper
164 100
166 114.6 103.8 155.6
129 89.7 68.9 103.3
131 81.7 70.9 106.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

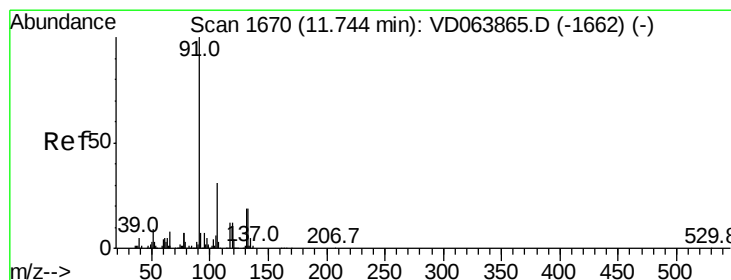
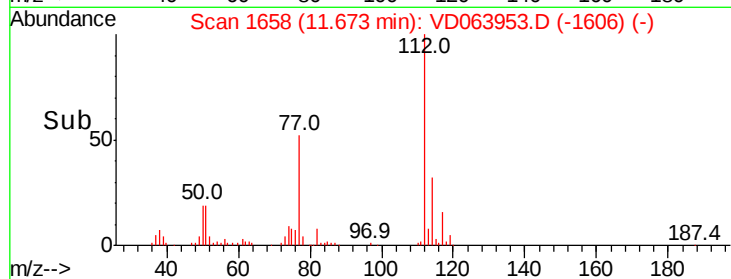
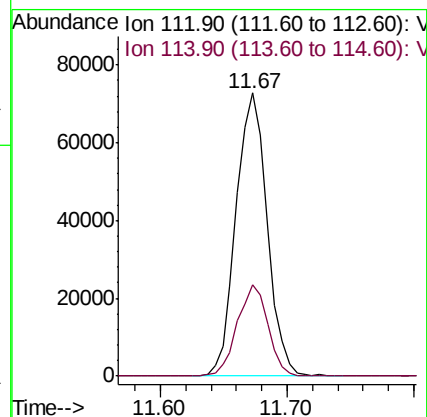
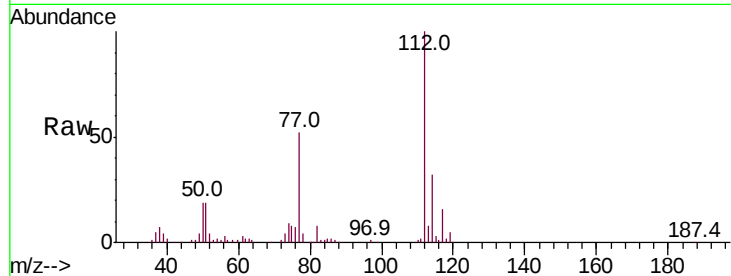




#65
Chlorobenzene
Concen: 22.133 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

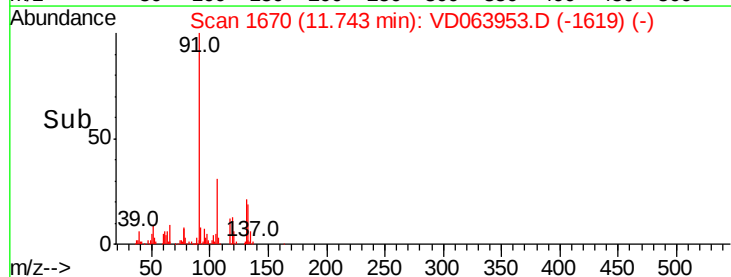
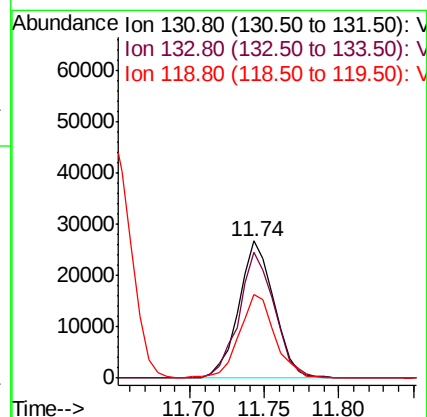
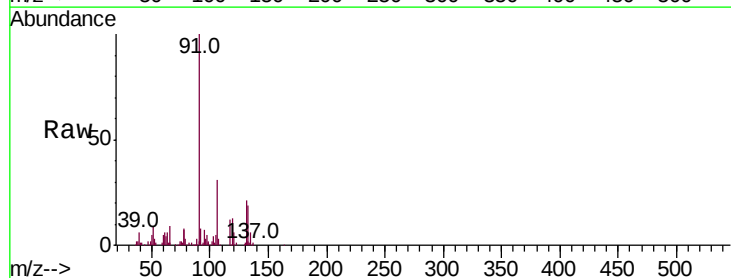
Instrument :
MSVOA_D
ClientSampleId :

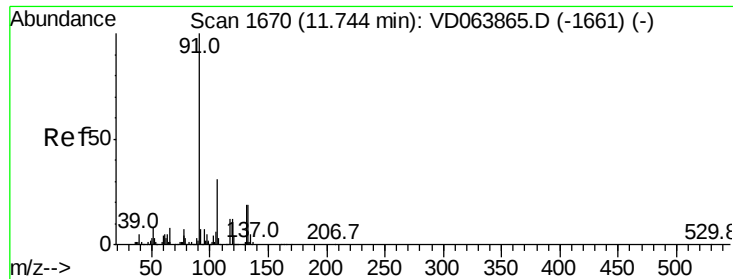
Tot Ion:112 Resp: 123423
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.467 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion:131 Resp: 44110
Ion Ratio Lower Upper
131 100
133 93.0 48.9 146.7
119 60.9 32.6 97.8





#67

Ethyl Benzene

Concen: 21.623 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

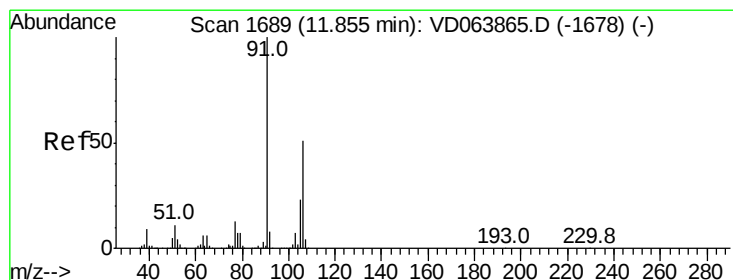
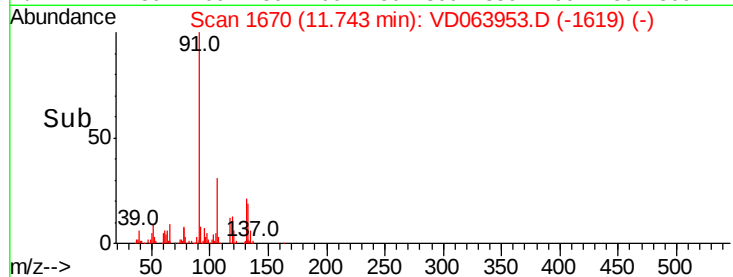
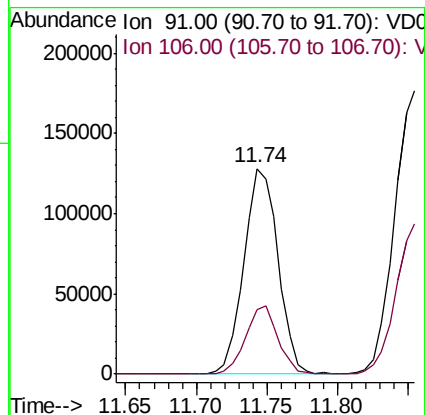
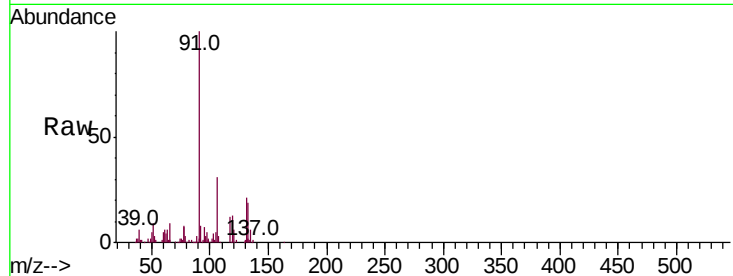
ClientSampleId :

Tot Ion: 91 Resp: 217430

Ion Ratio Lower Upper

91 100

106 31.1 24.6 37.0



#68

m/p-Xylenes

Concen: 44.515 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063953.D

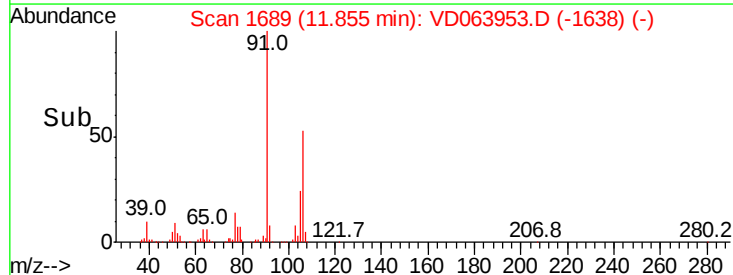
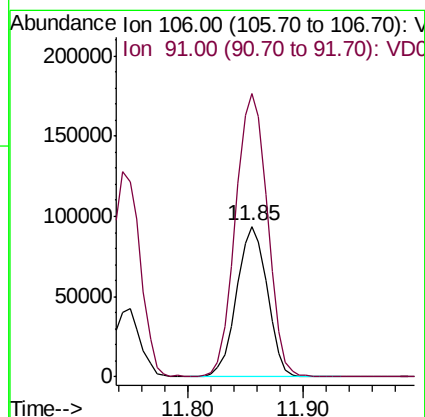
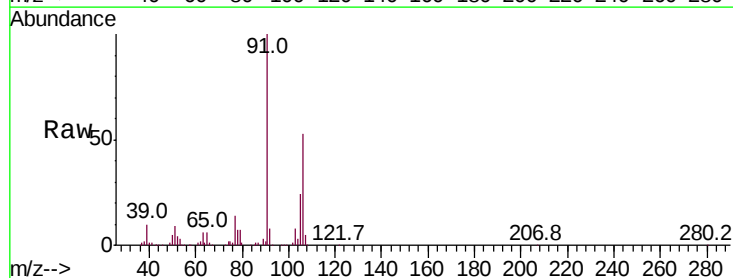
Acq: 14 Oct 2019 14:01

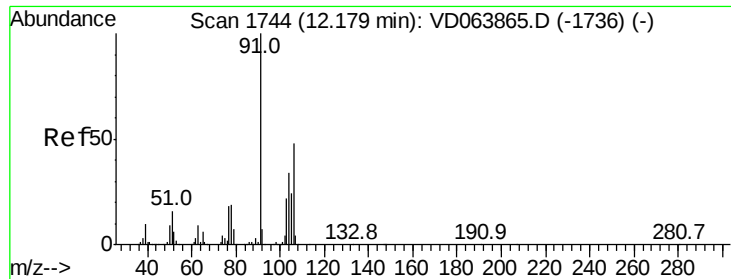
Tgt Ion: 106 Resp: 172769

Ion Ratio Lower Upper

106 100

91 195.5 154.8 232.2

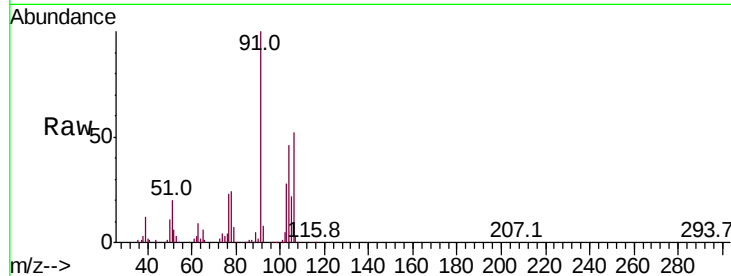




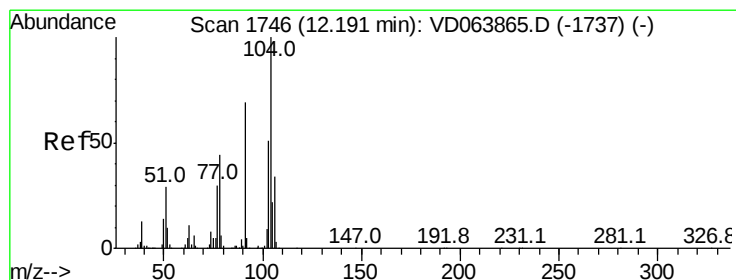
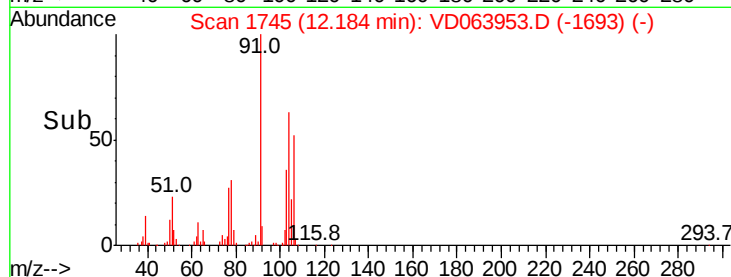
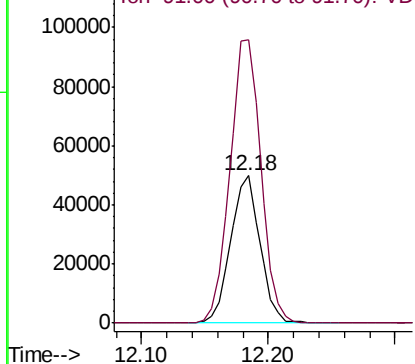
#69
o-Xylene
Concen: 21.402 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 79537
Ion Ratio Lower Upper
106 100
91 203.1 103.9 311.7

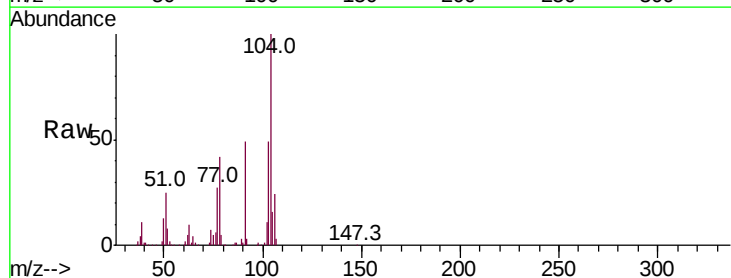


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

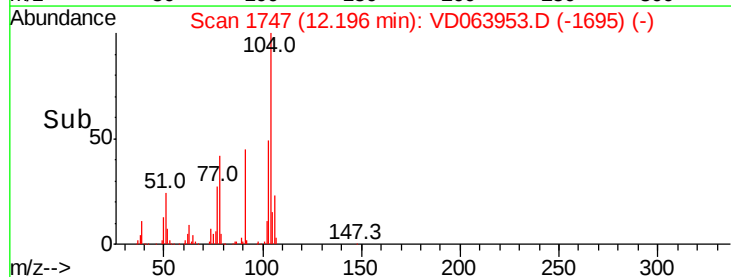
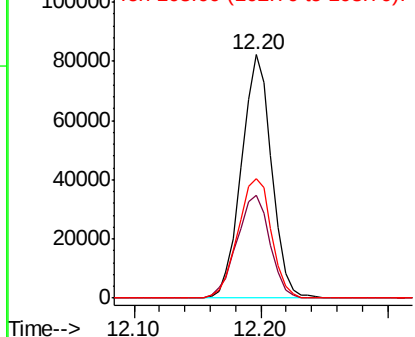


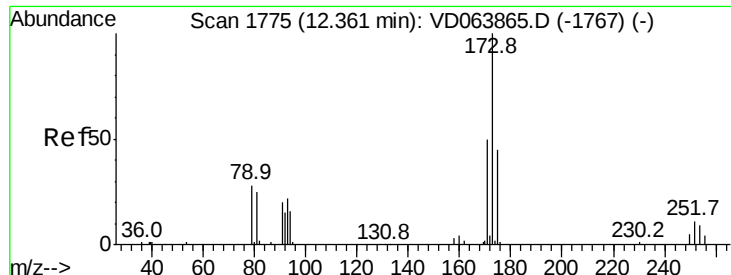
#70
Styrene
Concen: 21.592 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion:104 Resp: 135841
Ion Ratio Lower Upper
104 100
78 45.9 37.0 55.4
103 54.7 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 23.052 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

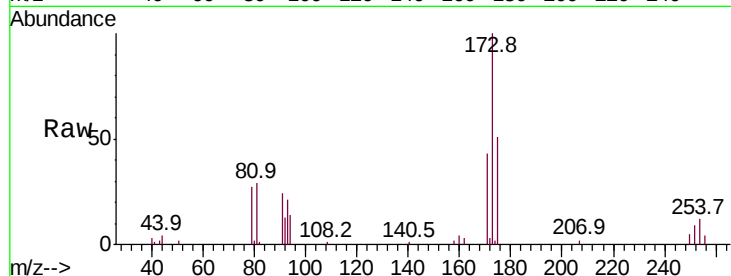
Tot Ion:173 Resp: 25421

Ion Ratio Lower Upper

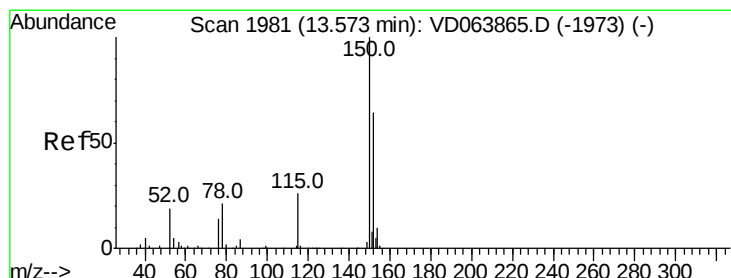
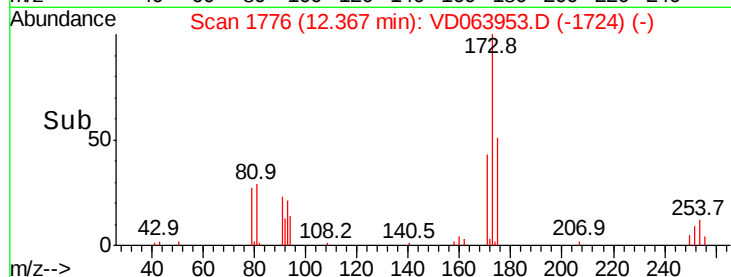
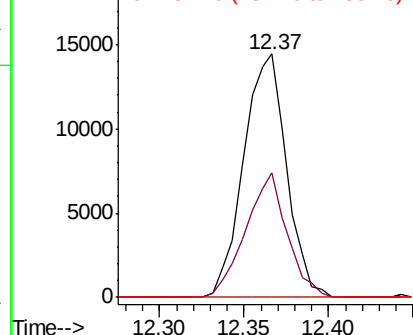
173 100

175 49.9 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: VD063953.D

Acq: 14 Oct 2019 14:01

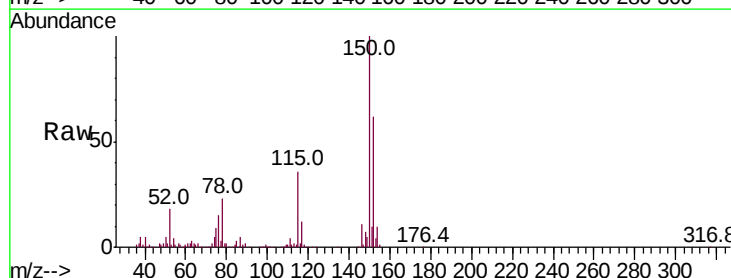
Tgt Ion:152 Resp: 147390

Ion Ratio Lower Upper

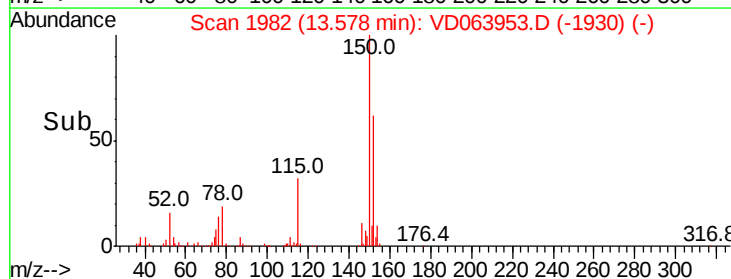
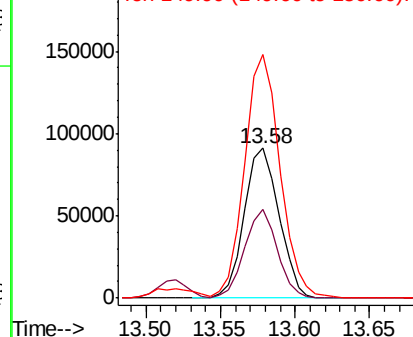
152 100

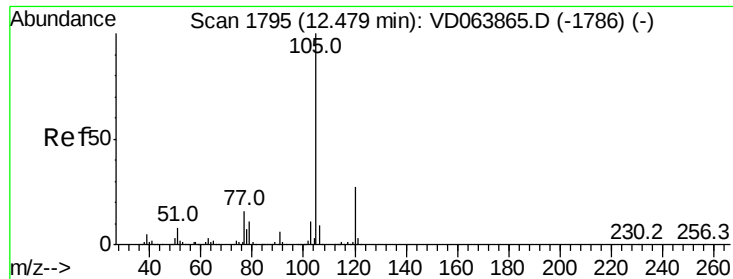
115 55.7 25.9 77.7

150 164.8 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: 21.804 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

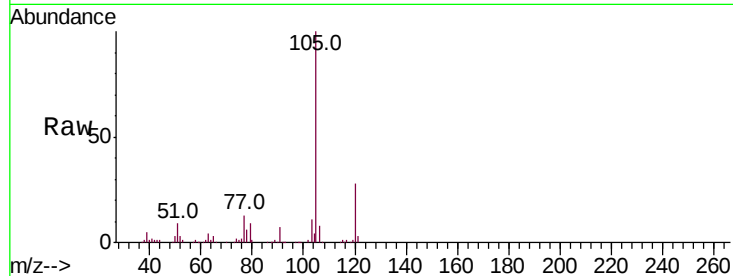
ClientSampled :

Tot Ion:105 Resp: 216039

Ion Ratio Lower Upper

105 100

120 28.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

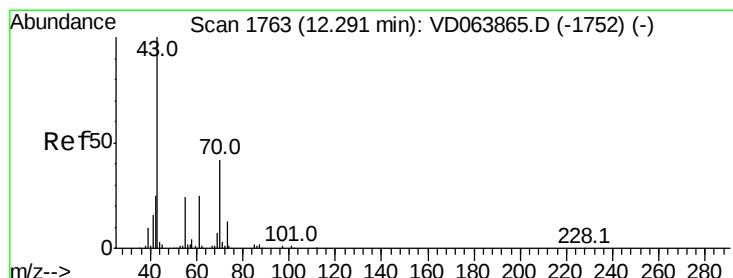
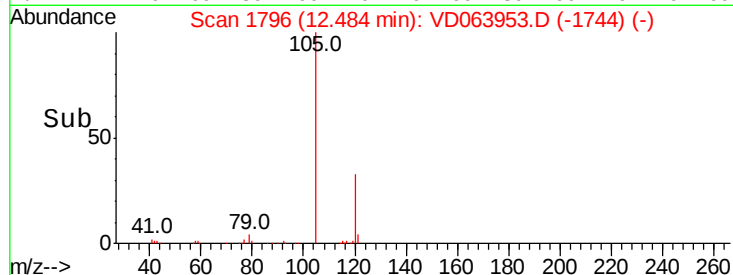
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 21.207 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion: 43 Resp: 45241

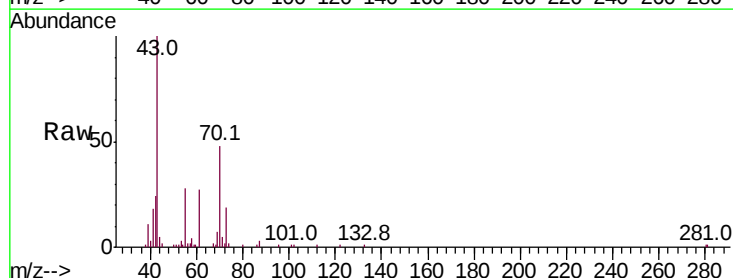
Ion Ratio Lower Upper

43 100

70 46.4 35.8 53.6

55 25.4 19.4 29.0

61 26.0 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

40000

30000

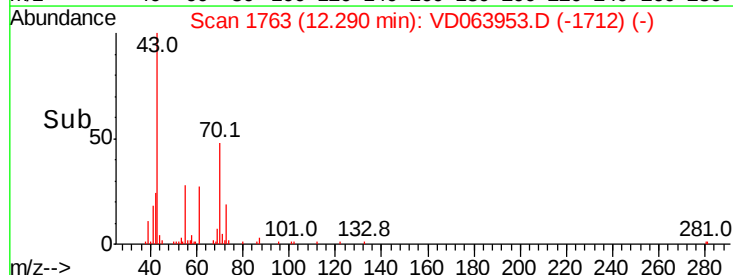
20000

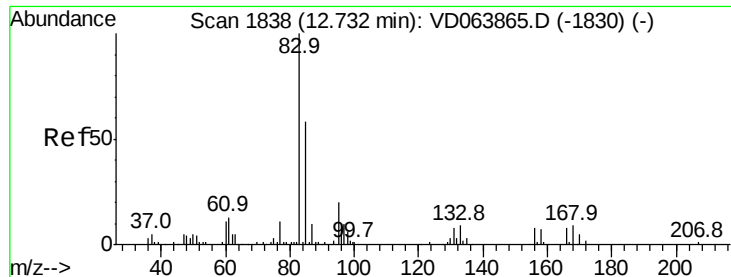
10000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.569 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

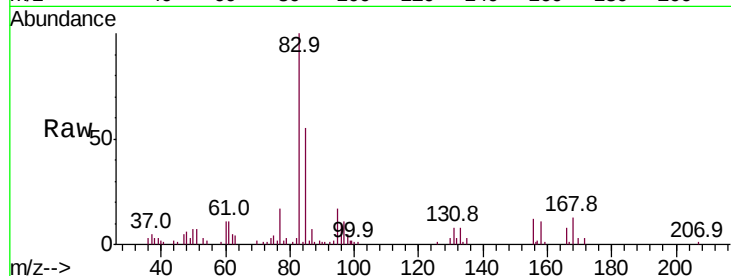
Tot Ion: 83 Resp: 38912

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

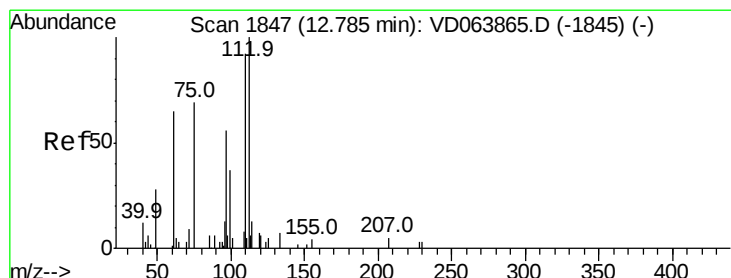
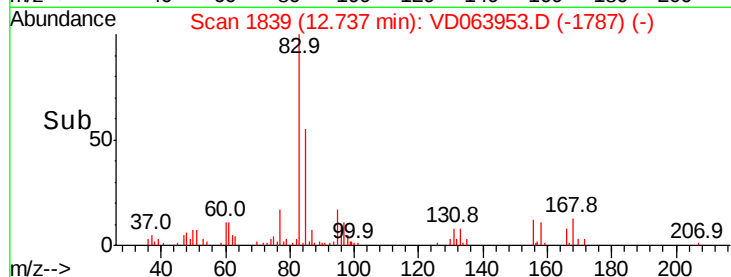
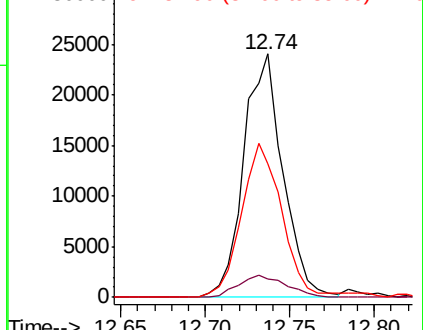
85 64.8 32.3 96.8



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: 50.495 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063953.D

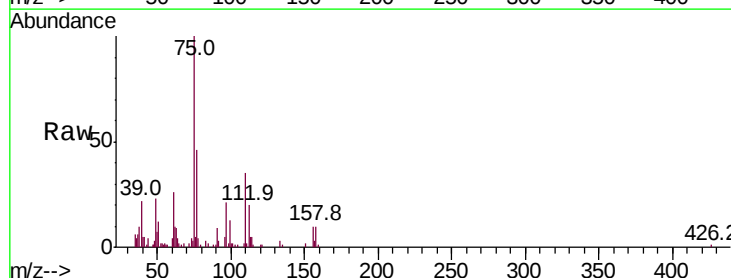
Acq: 14 Oct 2019 14:01

Tgt Ion: 75 Resp: 49847

Ion Ratio Lower Upper

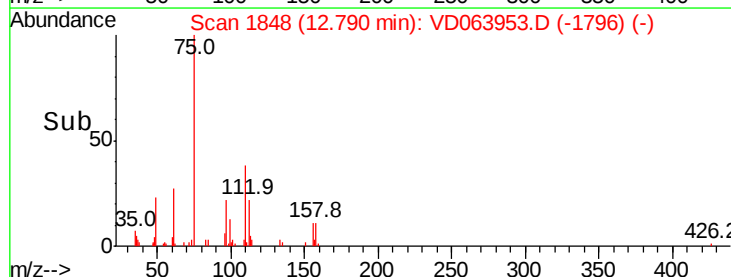
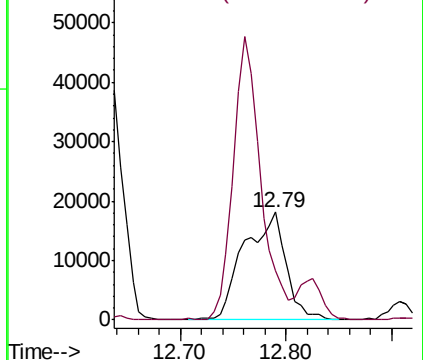
75 100

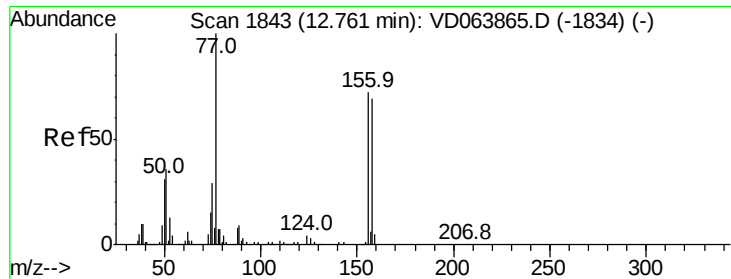
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

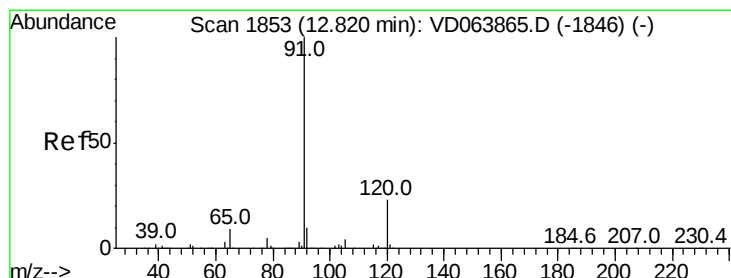
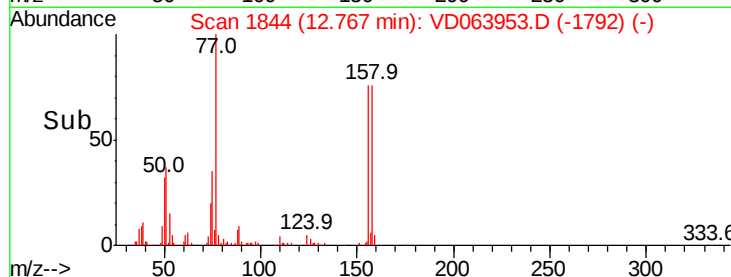
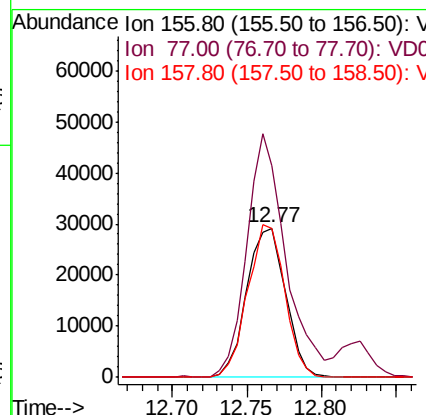
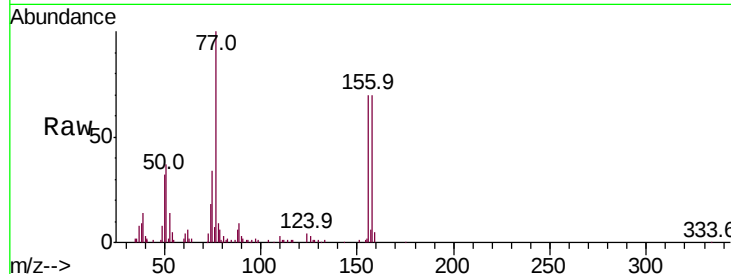




#77
Bromobenzene
Concen: 21.304 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

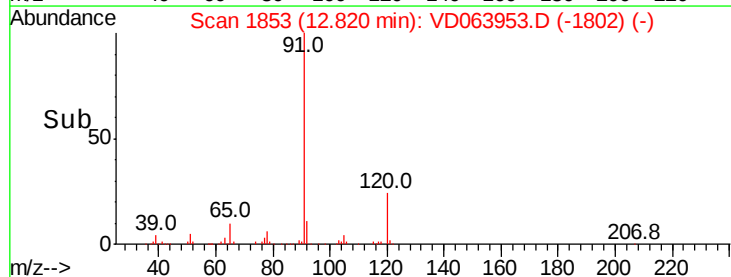
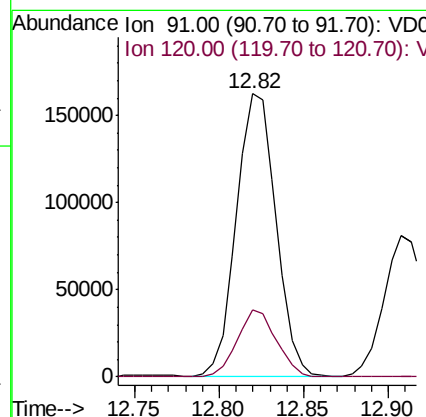
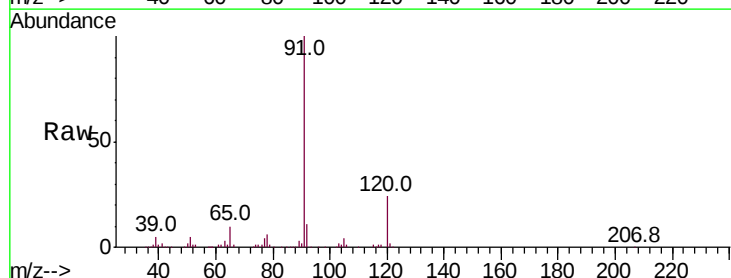
Instrument :
MSVOA_D
ClientSampleId :

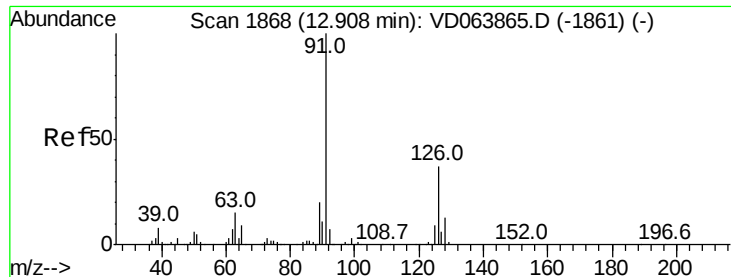
Tot Ion:156 Resp: 52590
Ion Ratio Lower Upper
156 100
77 163.0 80.3 241.0
158 97.6 47.4 142.2



#78
n-propylbenzene
Concen: 22.903 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 91 Resp: 266369
Ion Ratio Lower Upper
91 100
120 23.1 12.0 36.0

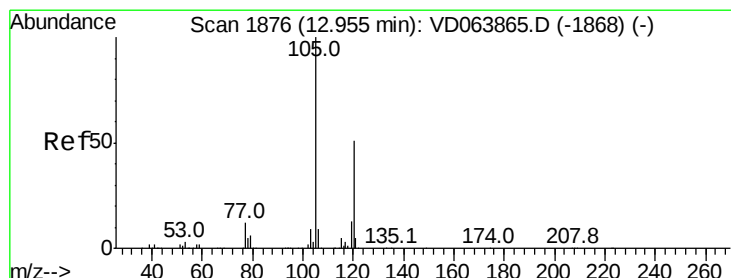
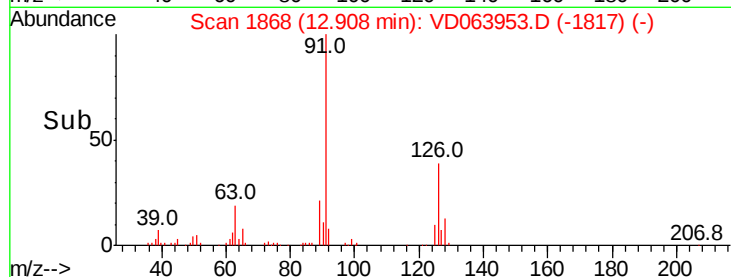
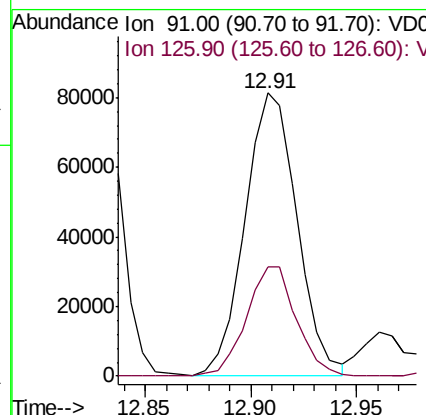
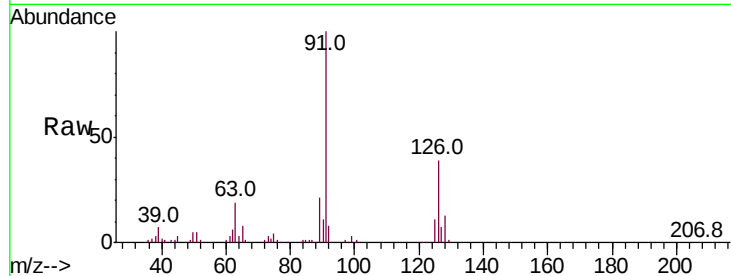




#79
 2-Chlorotoluene
 Concen: 21.736 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

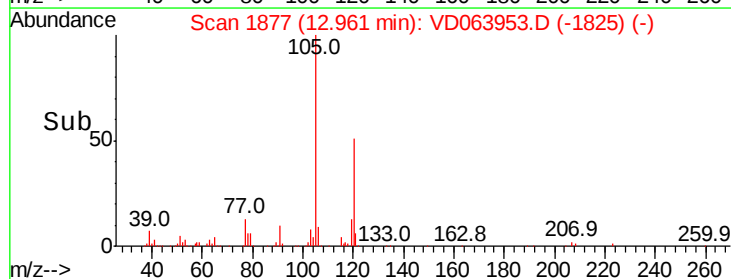
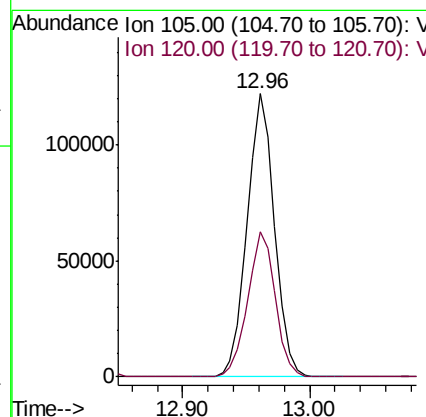
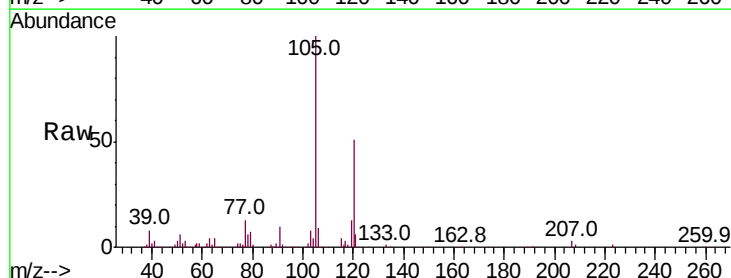
Instrument :
 MSVOA_D
 ClientSampleID :

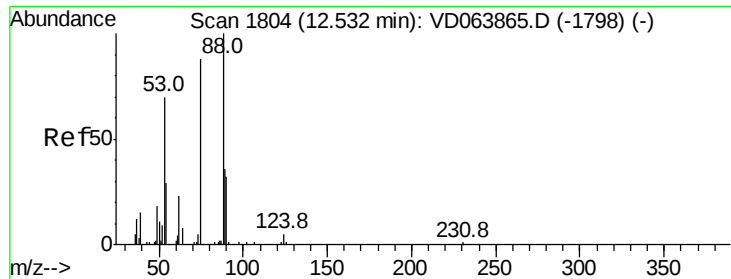
Tot Ion: 91 Resp: 139391
 Ion Ratio Lower Upper
 91 100
 126 37.2 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.126 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion:105 Resp: 182896
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.387 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

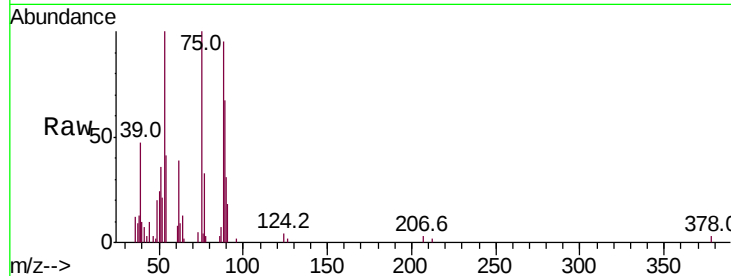
Tot Ion: 75 Resp: 11931

Ion Ratio Lower Upper

75 100

53 98.4 75.0 112.6

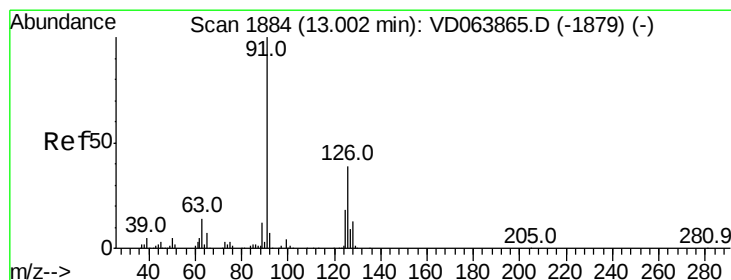
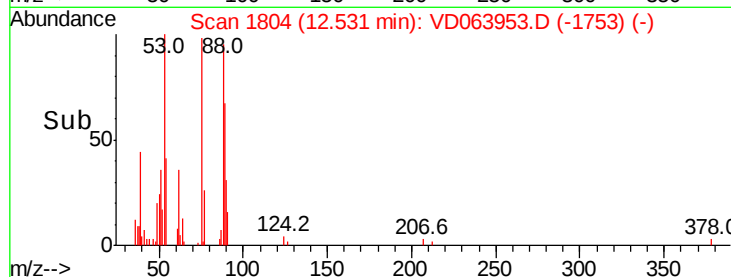
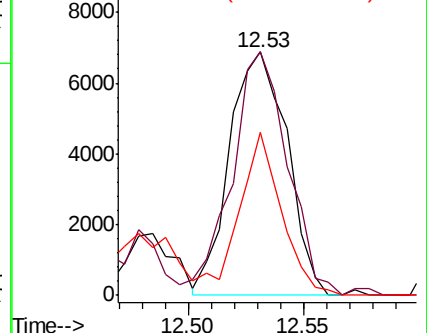
89 49.7 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.513 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063953.D

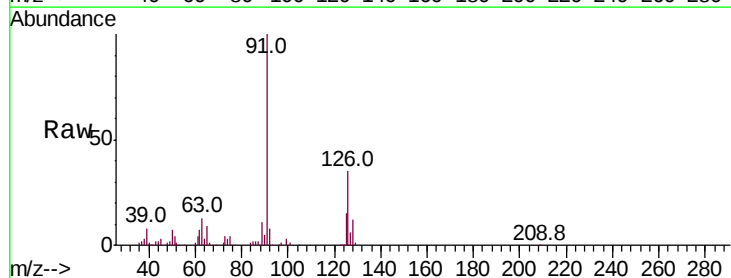
Acq: 14 Oct 2019 14:01

Tgt Ion: 91 Resp: 146347

Ion Ratio Lower Upper

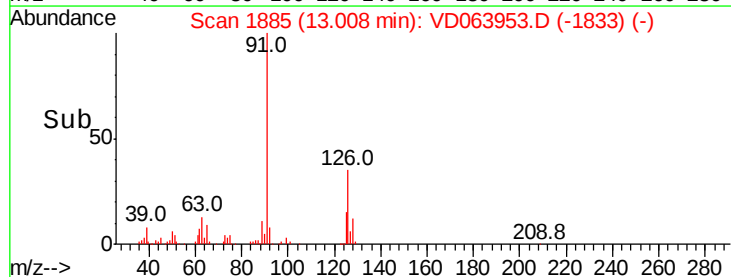
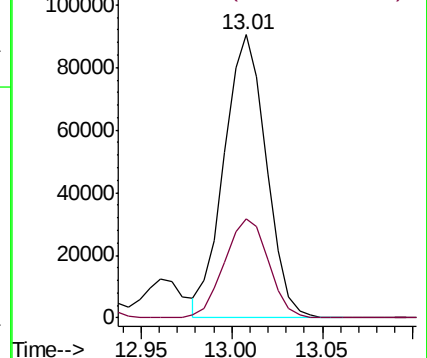
91 100

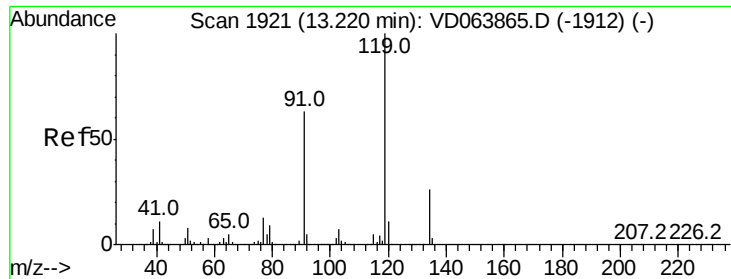
126 36.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

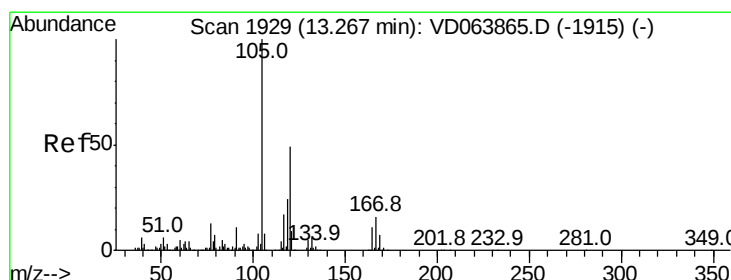
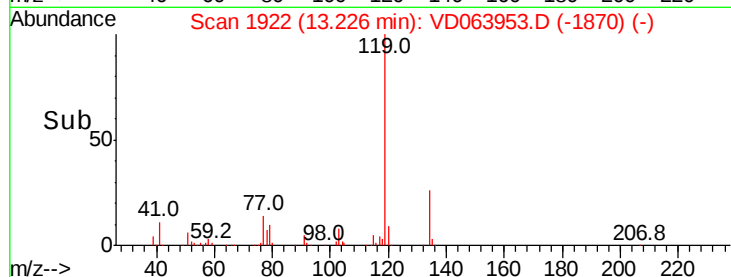
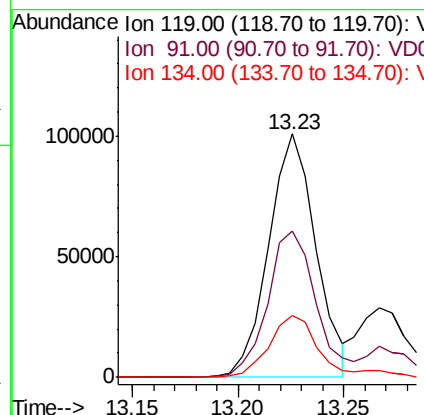
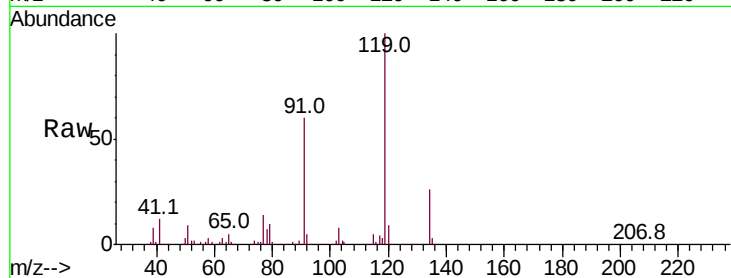




#83
tert-Butylbenzene
Concen: 21.338 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

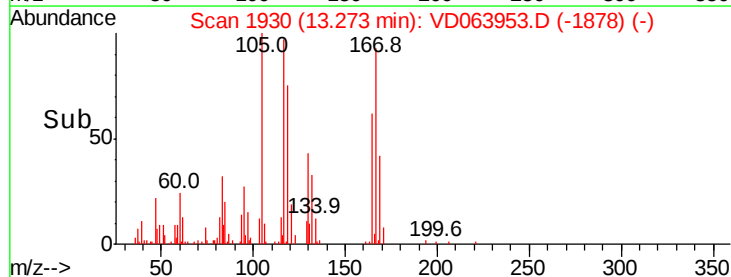
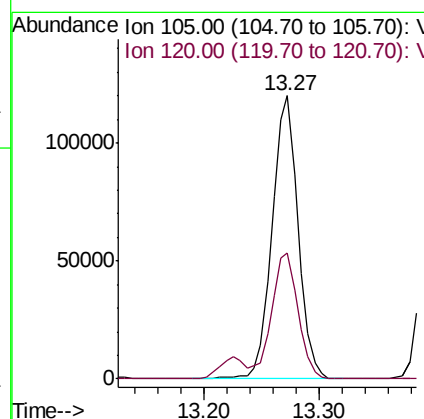
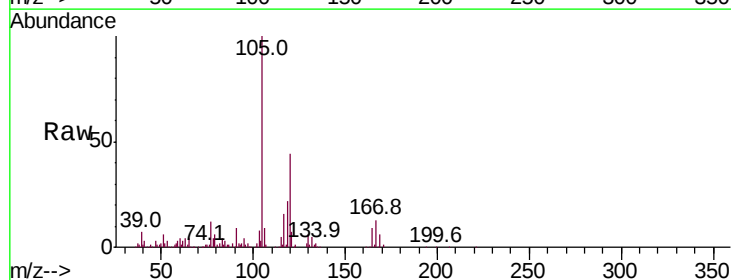
Instrument :
MSVOA_D
ClientSampleId :

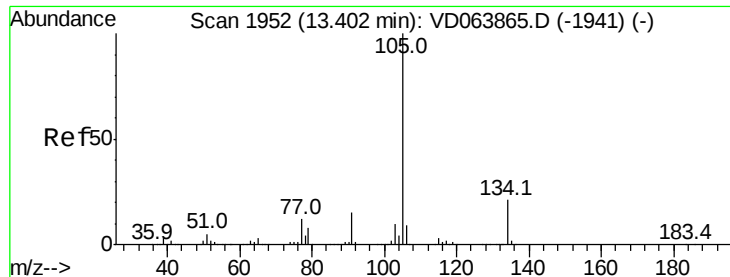
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.0	90.0
134	27.7	13.0	38.9



#84
1,2,4-Trimethylbenzene
Concen: 22.057 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.8	71.5





#85

sec-Butylbenzene

Concen: 22.284 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

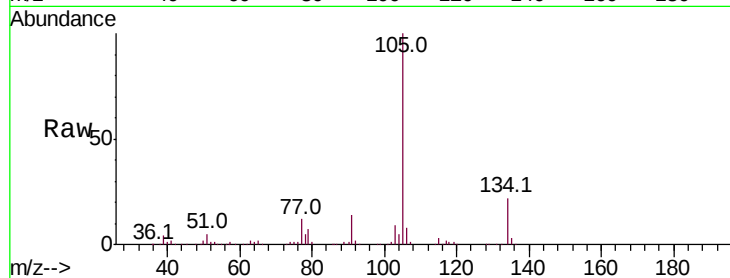
ClientSampleId :

Tot Ion:105 Resp: 221397

Ion Ratio Lower Upper

105 100

134 22.0 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

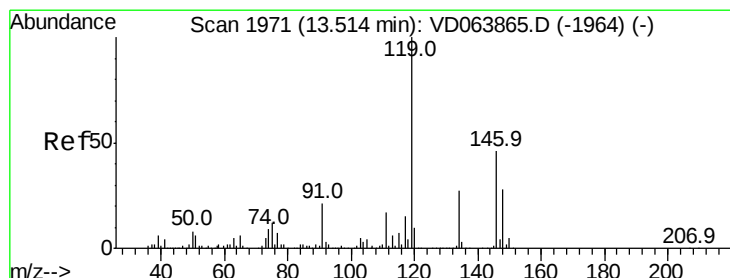
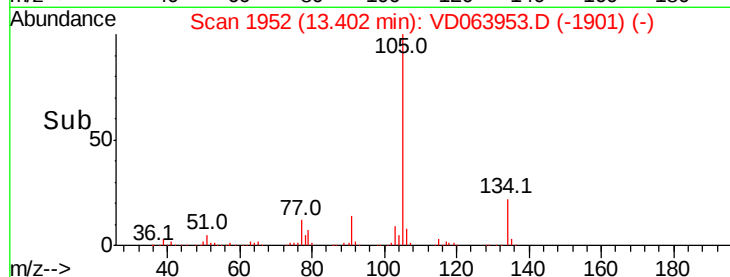
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.206 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

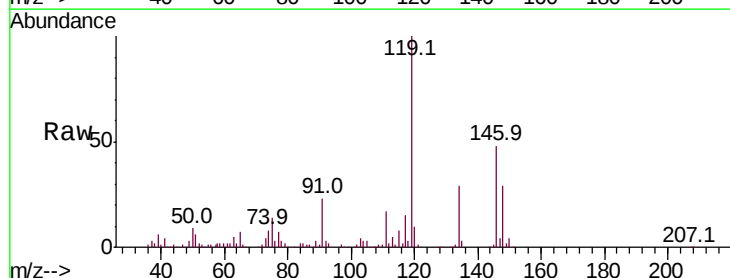
Tgt Ion:119 Resp: 208766

Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.6

91 22.2 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

13.52

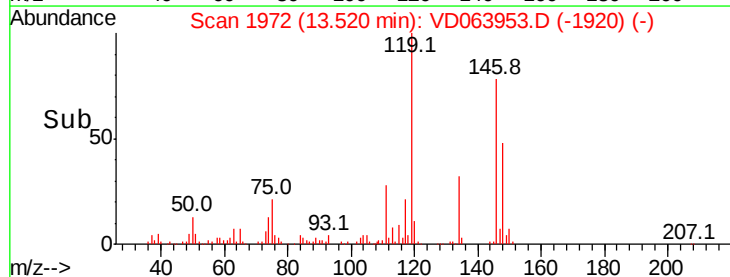
150000

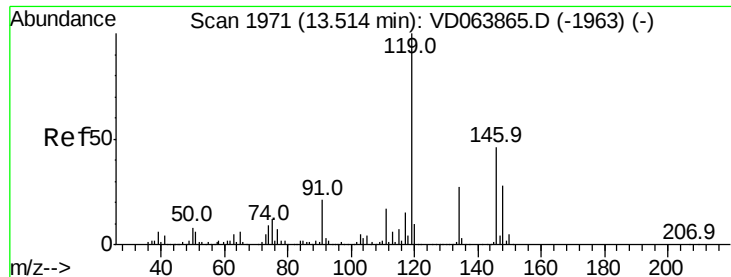
100000

50000

0

Time-->

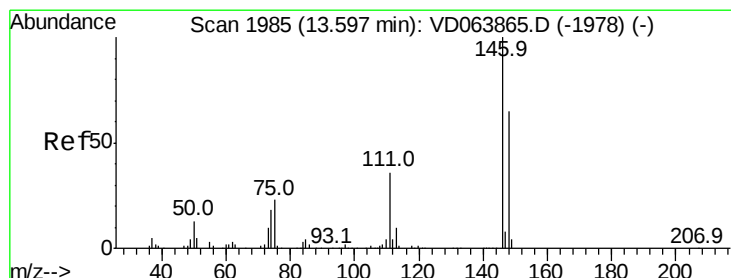
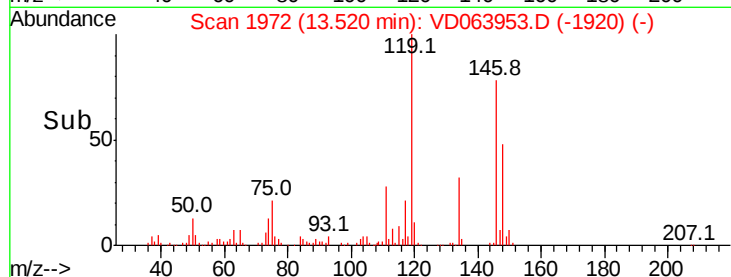
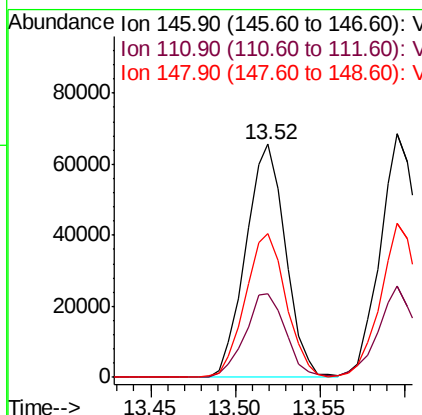
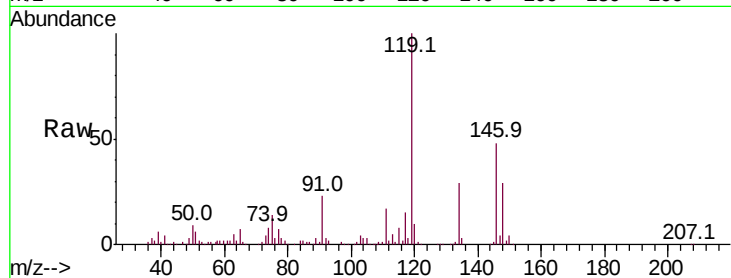




#87
 1,3-Dichlorobenzene
 Concen: 22.024 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

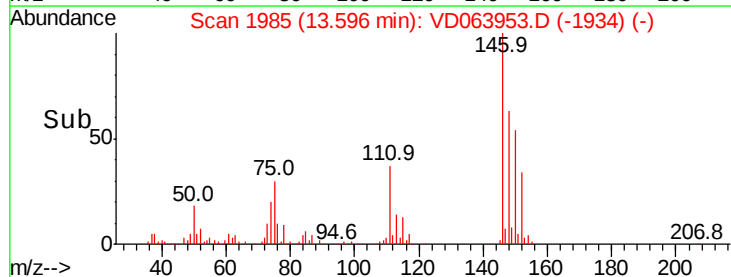
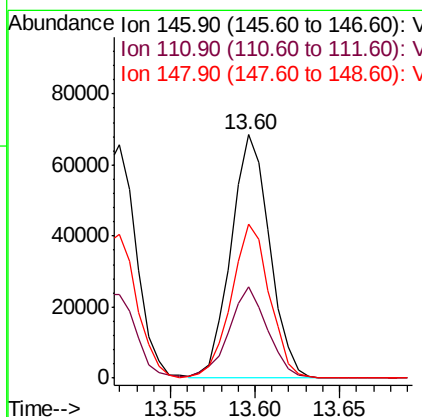
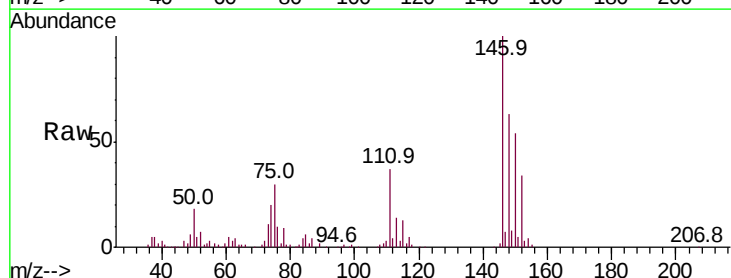
Instrument :
 MSVOA_D
 ClientSampleId :

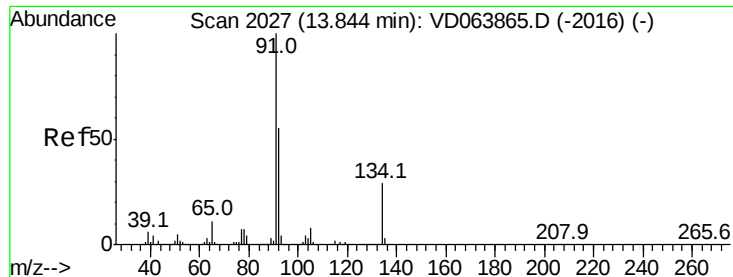
Tot Ion:146 Resp: 107423
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.3 54.9
 148 62.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.659 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion:146 Resp: 109037
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 56.0
 148 62.8 32.6 98.0

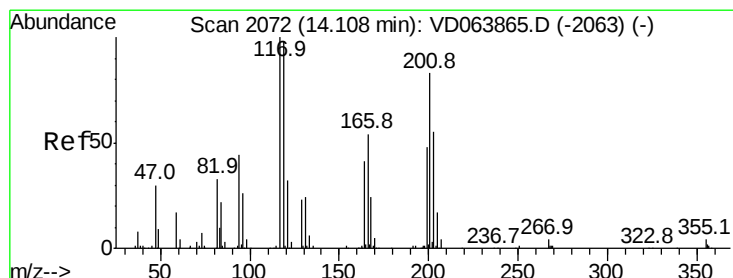
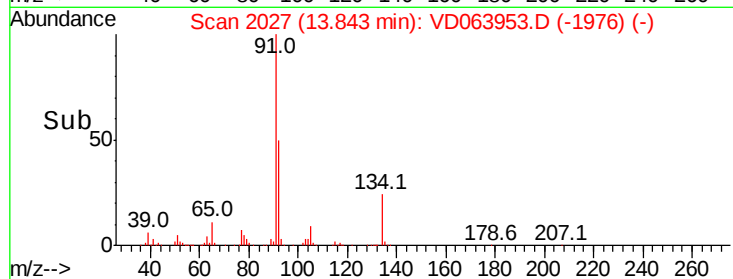
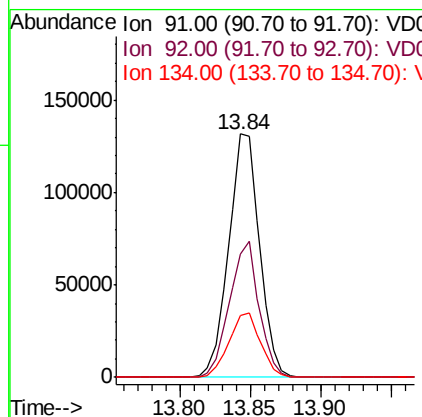
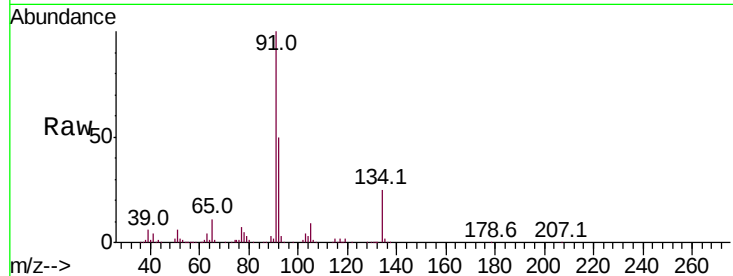




#89
n-Butylbenzene
Concen: 22.862 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

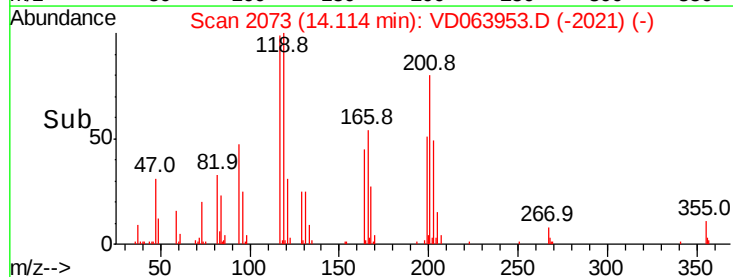
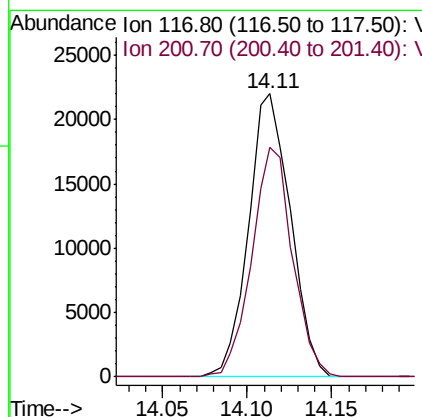
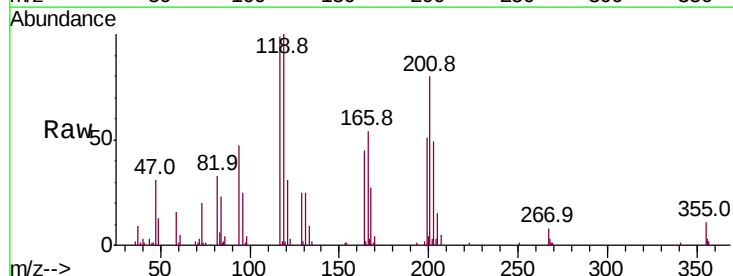
Instrument :
MSVOA_D
ClientSampleId :

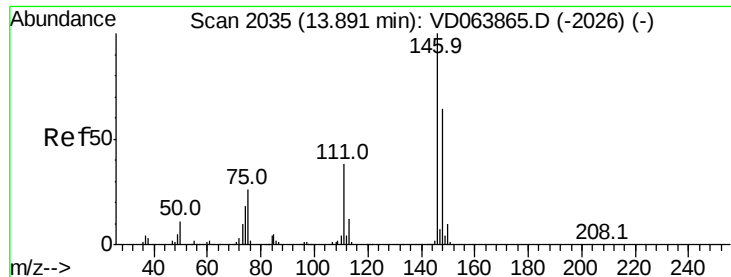
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	27.3	14.4	43.0



#90
Hexachloroethane
Concen: 22.491 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 22.389 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampled :

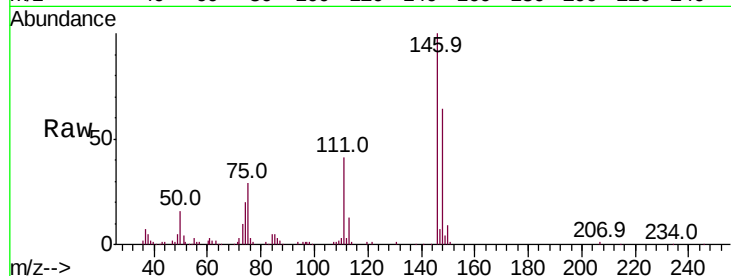
Tot Ion:146 Resp: 94111

Ion Ratio Lower Upper

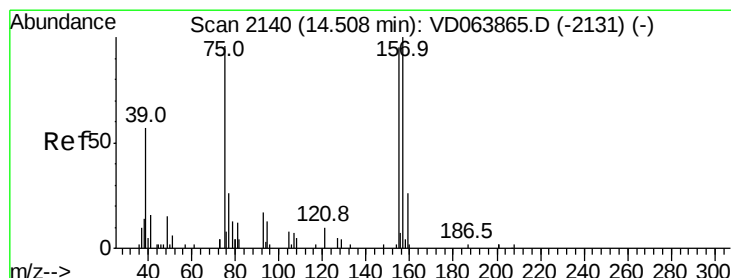
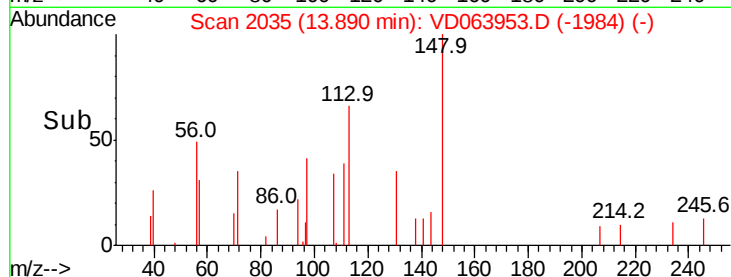
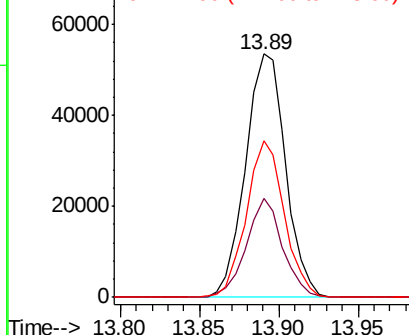
146 100

111 36.9 18.6 55.6

148 60.6 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: 20.782 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

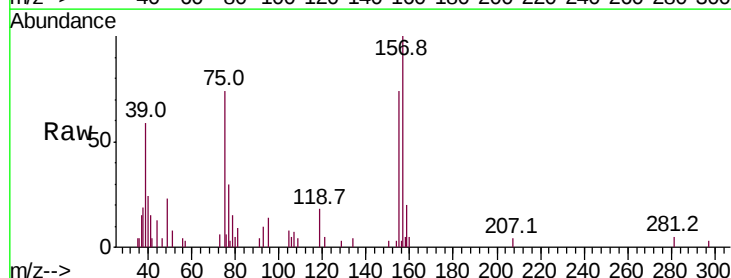
Tgt Ion: 75 Resp: 5952

Ion Ratio Lower Upper

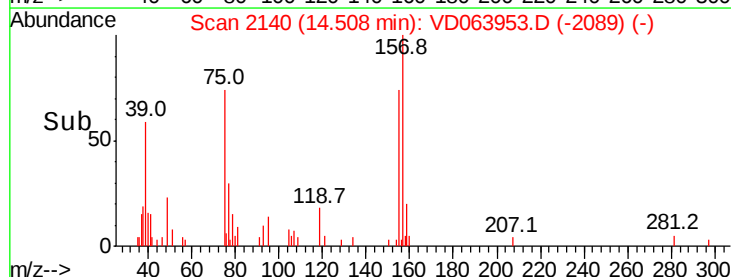
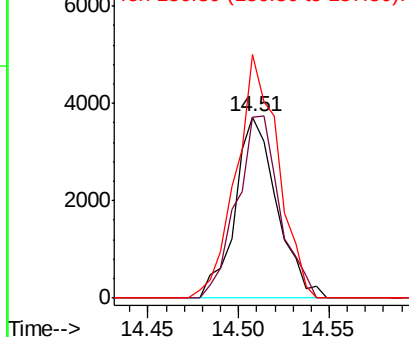
75 100

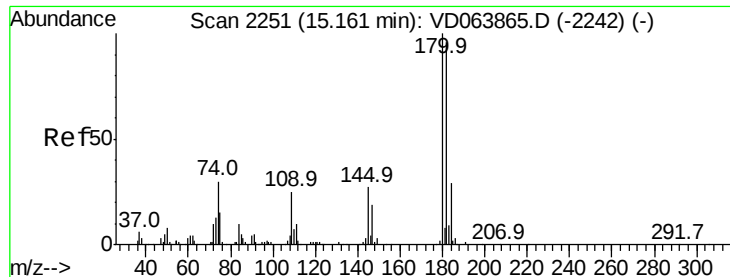
155 103.3 43.9 131.6

157 134.4 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

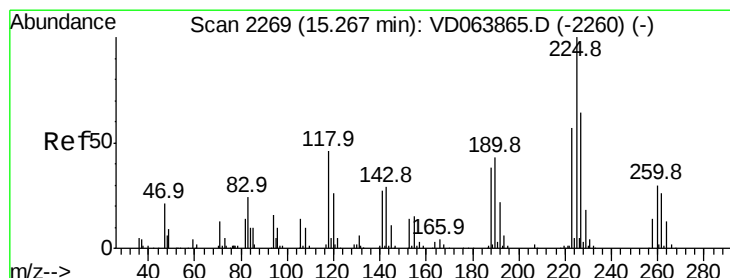
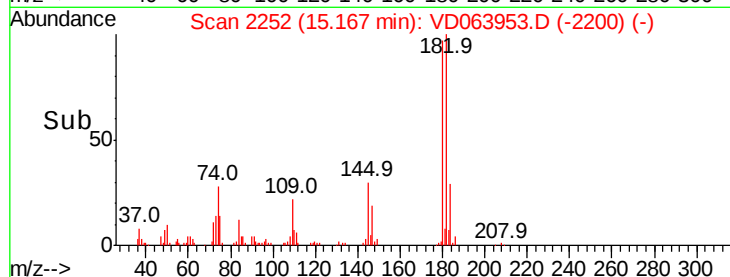
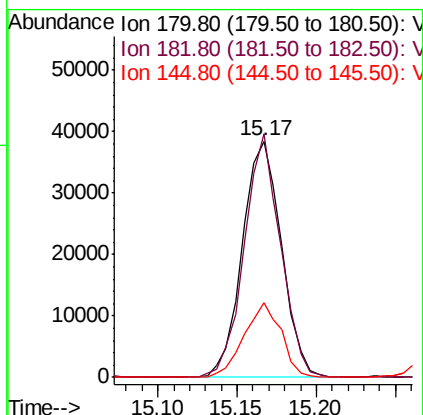
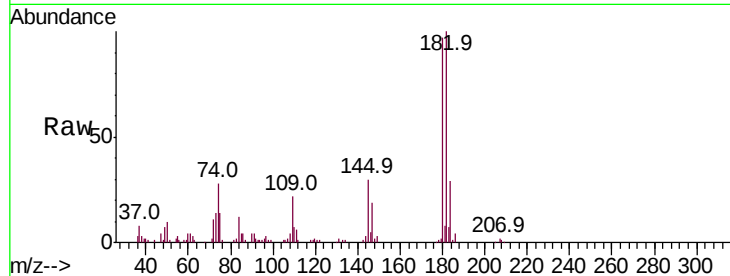




#93
 1,2,4-Trichlorobenzene
 Concen: 20.320 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

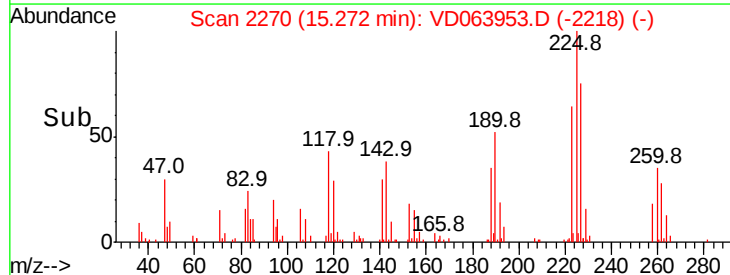
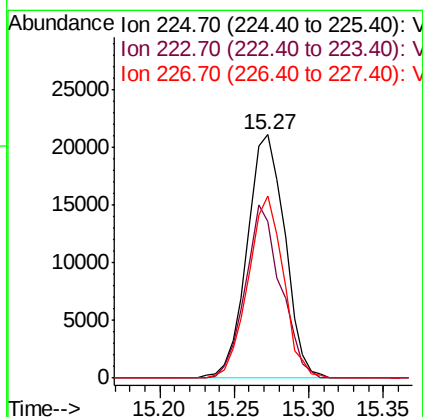
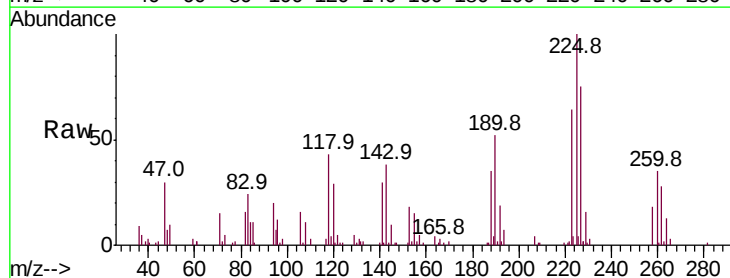
Instrument :
 MSVOA_D
 ClientSampleId :

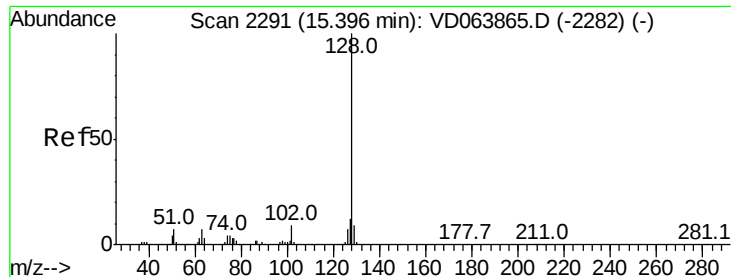
Tot Ion:180 Resp: 65905
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.3
 145 29.7 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.605 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion:225 Resp: 36880
 Ion Ratio Lower Upper
 225 100
 223 66.9 29.5 88.6
 227 69.7 30.8 92.4





#95

Naphthalene

Concen: 22.010 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

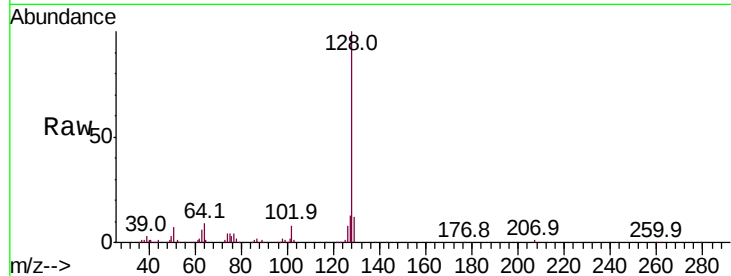
Tot Ion:128 Resp: 119986

Ion Ratio Lower Upper

128 100

127 14.9 10.6 16.0

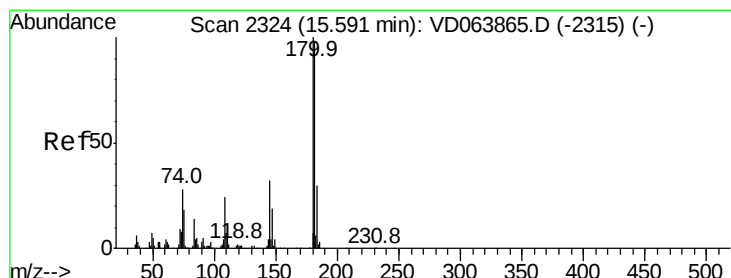
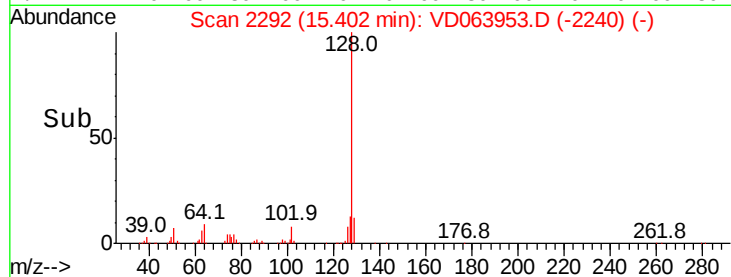
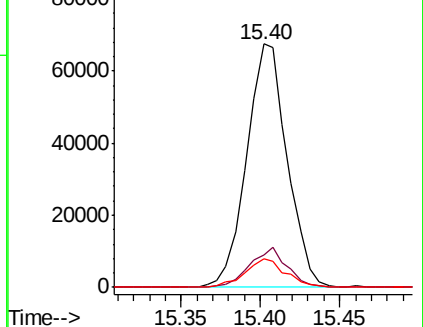
129 11.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.563 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

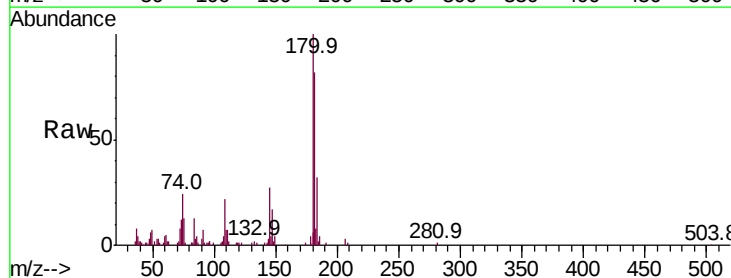
Tgt Ion:180 Resp: 60343

Ion Ratio Lower Upper

180 100

182 91.7 47.0 141.0

145 27.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

