

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063903.D
 Acq On : 10 Oct 2019 11:56
 Operator : VA/SY
 Sample : VD1010SBS01
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:36:18 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	193921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	299692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	92157	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.92	113	92210	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.34	98	394290	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.63	95	127789	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27232	19.802	ug/l	88
3) Chloromethane	2.21	50	87240	20.938	ug/l	97
4) Vinyl Chloride	2.35	62	102674	23.100	ug/l	97
5) Bromomethane	2.76	94	61431	21.498	ug/l	92
6) Chloroethane	2.92	64	61725	20.998	ug/l #	88
7) Trichlorofluoromethane	3.27	101	133845	22.776	ug/l	93
8) Diethyl Ether	3.70	74	19040	20.185	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	37256	22.903	ug/l	98
10) Methyl Iodide	4.29	142	41364	18.454	ug/l	98
11) Tert butyl alcohol	5.25	59	11329	80.952	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	34911	21.481	ug/l	90
13) Acrolein	3.93	56	12562	74.498	ug/l	89
14) Allyl chloride	4.71	41	53422	19.771	ug/l	97
15) Acrylonitrile	5.43	53	43173	103.815	ug/l	99
16) Acetone	4.16	43	41548	84.526	ug/l	88
17) Carbon Disulfide	4.40	76	117491	19.887	ug/l	96
18) Methyl Acetate	4.72	43	20987	21.830	ug/l #	72
19) Methyl tert-butyl Ether	5.48	73	77833	18.494	ug/l	92
20) Methylene Chloride	4.96	84	48172	20.299	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	40664	20.099	ug/l	91
22) Diisopropyl ether	6.37	45	104367	18.913	ug/l #	90
23) Vinyl Acetate	6.31	43	321570	97.955	ug/l	98
24) 1,1-Dichloroethane	6.27	63	68229	20.073	ug/l #	94
25) 2-Butanone	7.22	43	56082	96.273	ug/l	96
26) 2,2-Dichloropropane	7.20	77	62732	20.402	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	43200	18.865	ug/l	92
28) Bromochloromethane	7.54	49	20386	17.051	ug/l	96
29) Tetrahydrofuran	7.57	42	31855	93.688	ug/l	99
30) Chloroform	7.71	83	71870	19.467	ug/l	91
31) Cyclohexane	7.98	56	67274	21.677	ug/l	87
32) 1,1,1-Trichloroethane	7.90	97	66299	20.935	ug/l	97
36) 1,1-Dichloropropene	8.11	75	60367	21.262	ug/l	97
37) Ethyl Acetate	7.30	43	20626	15.353	ug/l	96
38) Carbon Tetrachloride	8.09	117	59759	20.828	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73933	21.178	ug/l	94
40) Benzene	8.36	78	166329	20.443	ug/l	92
41) Methacrylonitrile	7.53	41	15188	23.073	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	46364	19.699	ug/l	99
43) Isopropyl Acetate	8.46	43	44718	18.781	ug/l	97
44) Trichloroethene	9.11	130	48074	20.490	ug/l	95
45) 1,2-Dichloropropane	9.39	63	39044	19.605	ug/l	89
46) Dibromomethane	9.48	93	21129	18.629	ug/l	90
47) Bromodichloromethane	9.67	83	54983	18.829	ug/l	97
48) Methyl methacrylate	9.46	41	19870	17.417	ug/l	92
49) 1,4-Dioxane	9.47	88	5658	365.466	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	117351	95.030	ug/l	94
52) Toluene	10.40	92	118422	21.202	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	53199	18.670	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	66514	20.278	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32760	20.457	ug/l #	86
56) Ethyl methacrylate	10.67	69	36805	18.149	ug/l	92
57) 1,3-Dichloropropane	10.95	76	56079	20.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	76670	87.955	ug/l	99
59) 2-Hexanone	10.99	43	83324	93.279	ug/l	100
60) Dibromochloromethane	11.14	129	38980	18.696	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31261	20.136	ug/l	100
64) Tetrachloroethene	10.88	164	43834	21.425	ug/l	95
65) Chlorobenzene	11.67	112	126453	21.010	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	45320	20.435	ug/l	96
67) Ethyl Benzene	11.74	91	227877	20.997	ug/l	99
68) m/p-Xylenes	11.86	106	182272	43.513	ug/l	97
69) o-Xylene	12.18	106	79892	19.918	ug/l	97
70) Styrene	12.20	104	139824	20.592	ug/l	98
71) Bromoform	12.36	173	22151	18.611	ug/l #	92
73) Isopropylbenzene	12.48	105	223793	21.039	ug/l	99
74) N-amyl acetate	12.29	43	41986	18.334	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	35966	19.431	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	47012	44.361	ug/l #	100
77) Bromobenzene	12.76	156	53970	20.365	ug/l	99
78) n-propylbenzene	12.82	91	276300	22.130	ug/l	100
79) 2-Chlorotoluene	12.91	91	145737	21.169	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	189605	21.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11904	19.877	ug/l	98
82) 4-Chlorotoluene	13.01	91	151140	20.695	ug/l	99
83) tert-Butylbenzene	13.23	119	161515	20.451	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	188435	20.597	ug/l	99
85) sec-Butylbenzene	13.40	105	231672	21.721	ug/l	100
86) p-Isopropyltoluene	13.52	119	215858	21.388	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	104887	20.031	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	108658	21.034	ug/l	97
89) n-Butylbenzene	13.84	91	207511	22.089	ug/l	98
90) Hexachloroethane	14.11	117	38355	21.130	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	92755	20.555	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5645	18.059	ug/l	89

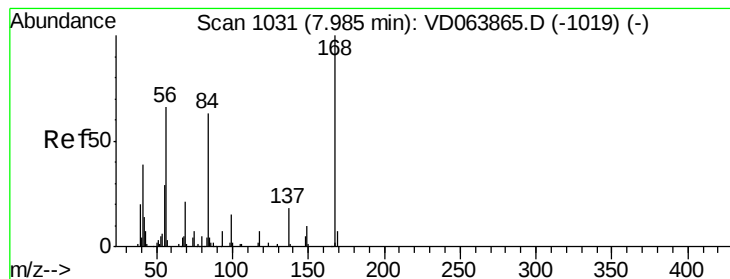
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	66443	19.082	ug/l	99
94) Hexachlorobutadiene	15.27	225	40612	21.136	ug/l	95
95) Naphthalene	15.40	128	113085	19.323	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	56657	18.860	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: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

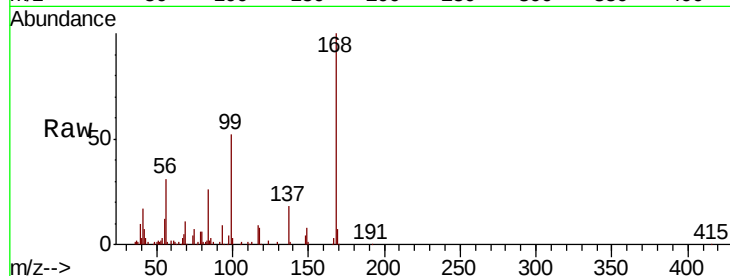
ClientSampleId :

Tot Ion:168 Resp: 193921

Ion Ratio Lower Upper

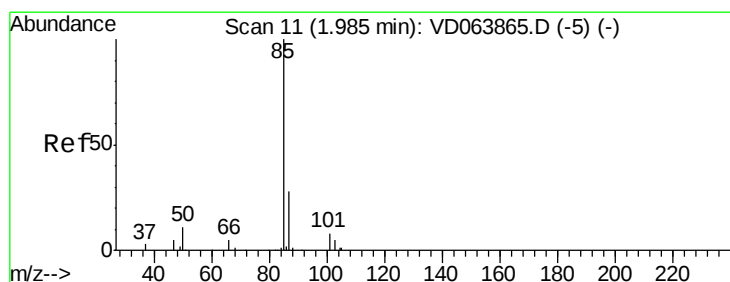
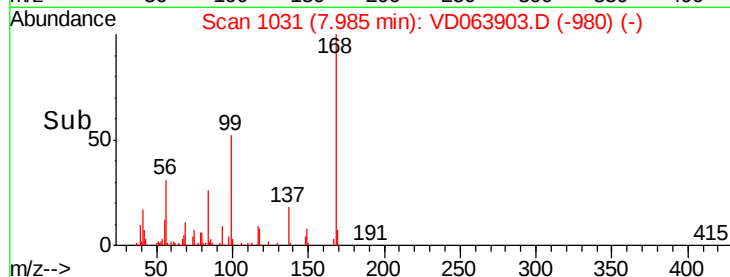
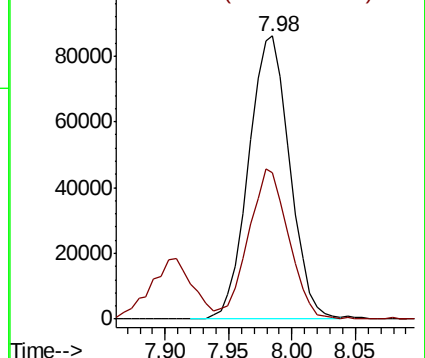
168 100

99 51.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.802 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063903.D

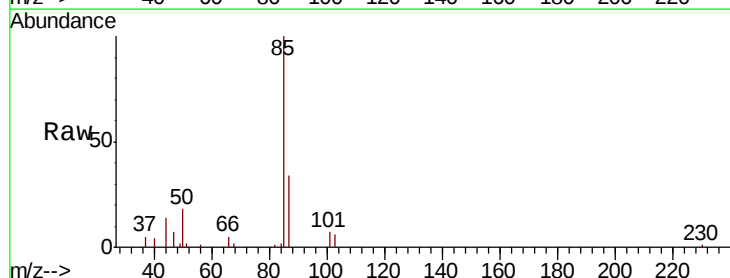
Acq: 10 Oct 2019 11:56

Tgt Ion: 85 Resp: 27232

Ion Ratio Lower Upper

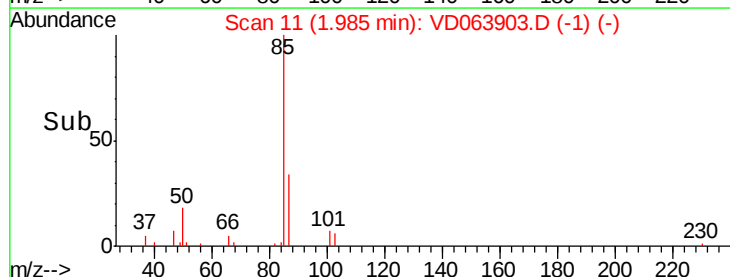
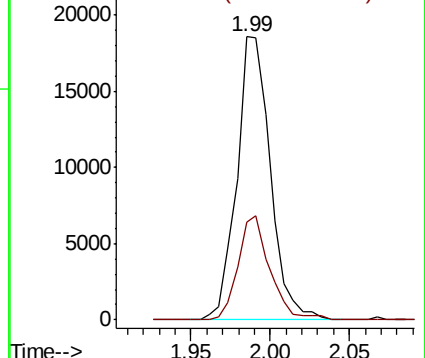
85 100

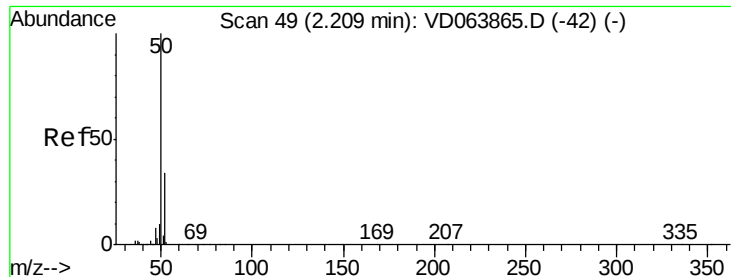
87 34.4 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

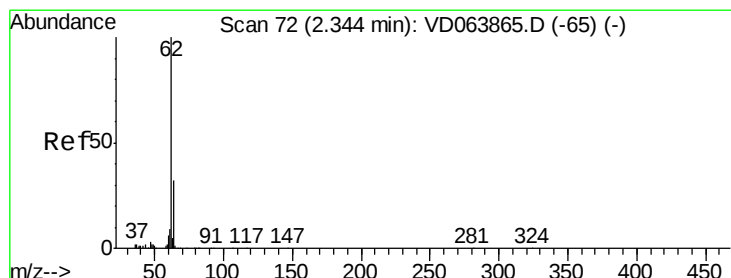
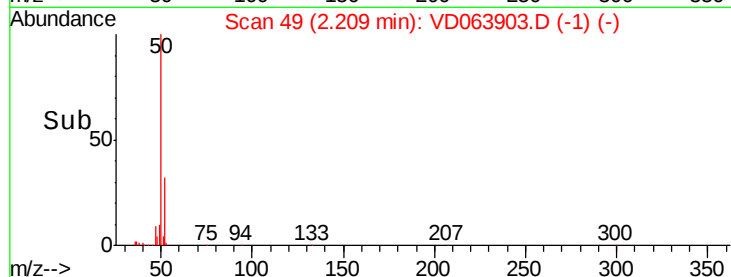
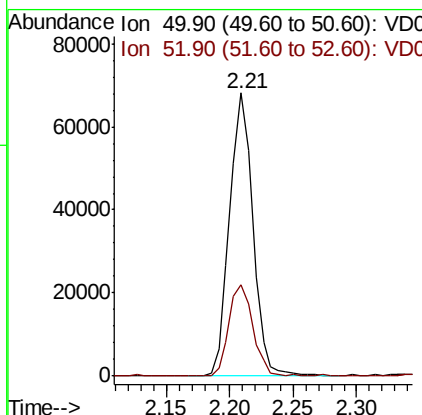
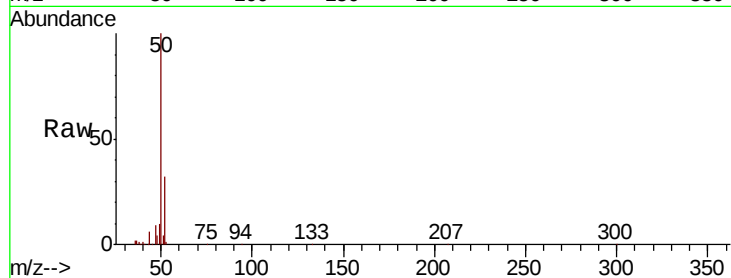




#3
Chloromethane
Concen: 20.938 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

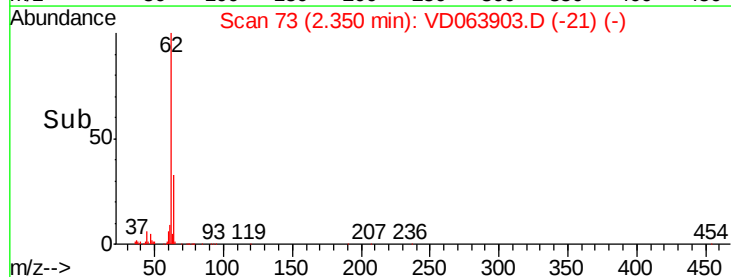
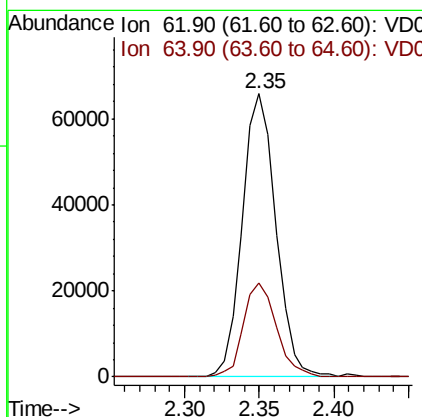
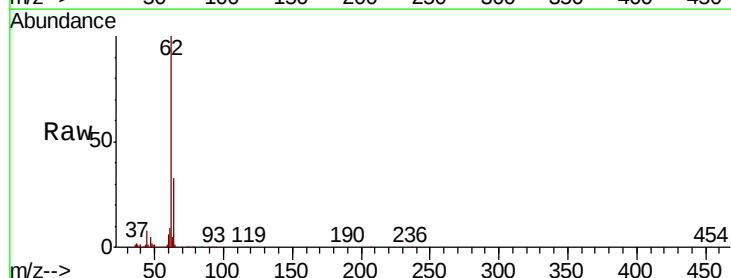
Instrument :
MSVOA_D
ClientSampleId :

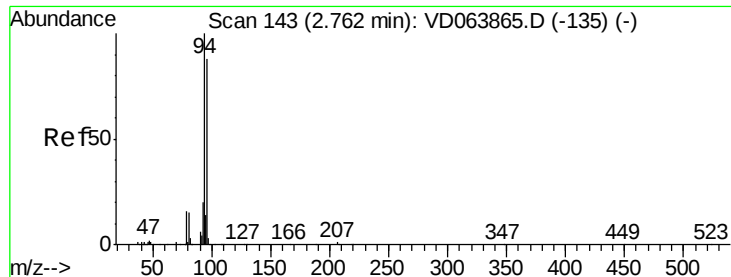
Tot Ion: 50 Resp: 87240
Ion Ratio Lower Upper
50 100
52 32.4 27.5 41.3



#4
Vinyl Chloride
Concen: 23.100 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 62 Resp: 102674
Ion Ratio Lower Upper
62 100
64 33.3 25.4 38.0





#5

Bromomethane

Concen: 21.498 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

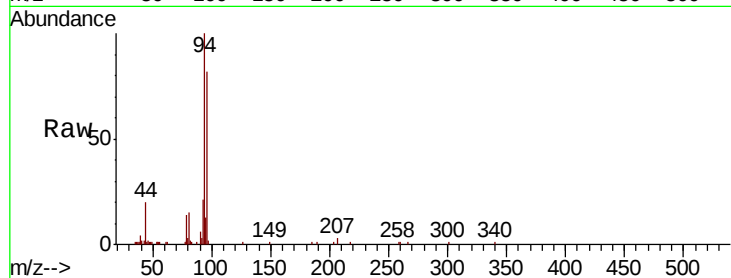
ClientSampleId :

Tot Ion: 94 Resp: 61431

Ion Ratio Lower Upper

94 100

96 80.8 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

25000

20000

15000

10000

5000

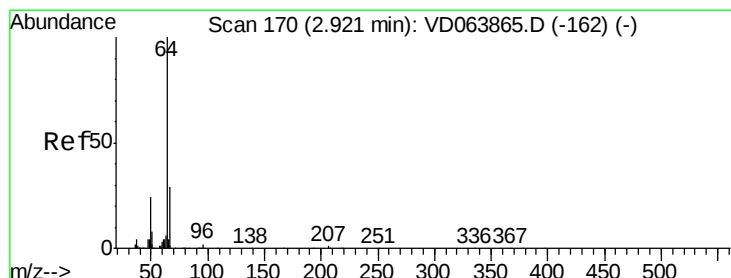
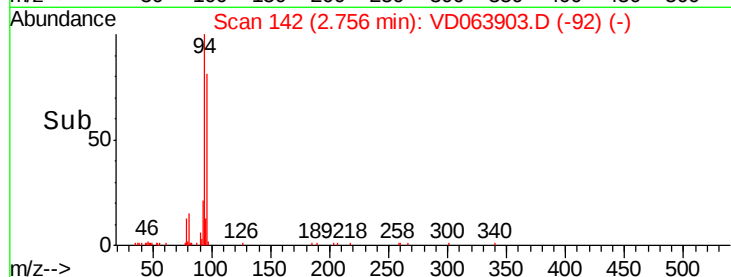
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Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 20.998 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063903.D

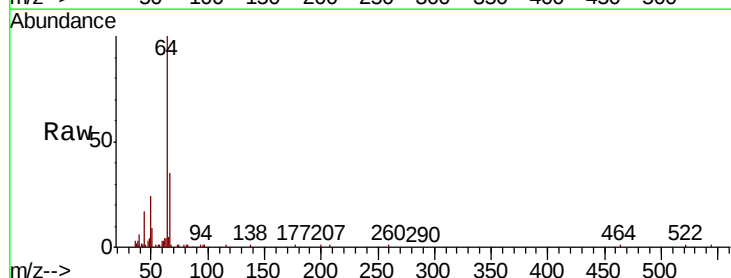
Acq: 10 Oct 2019 11:56

Tgt Ion: 64 Resp: 61725

Ion Ratio Lower Upper

64 100

66 35.1 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

20000

10000

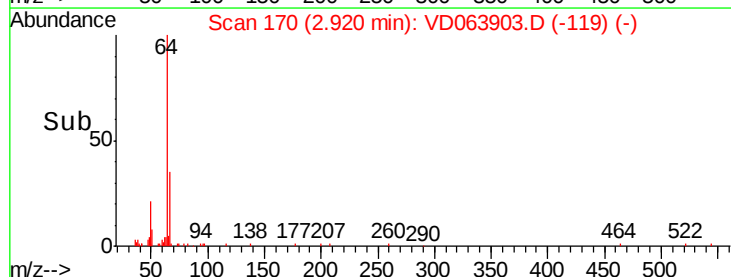
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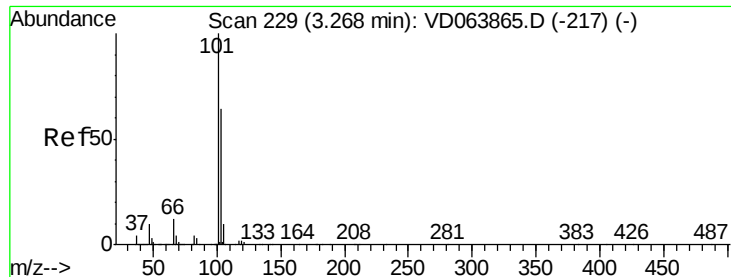
Time-->

2.80

2.90

3.00



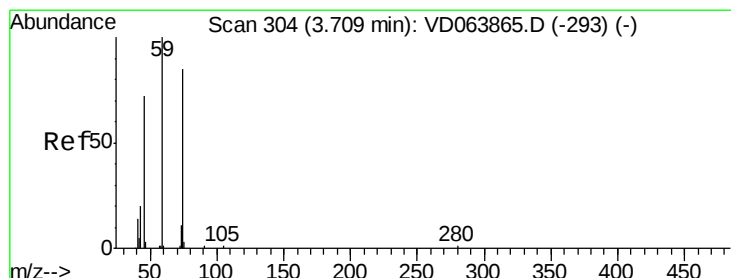
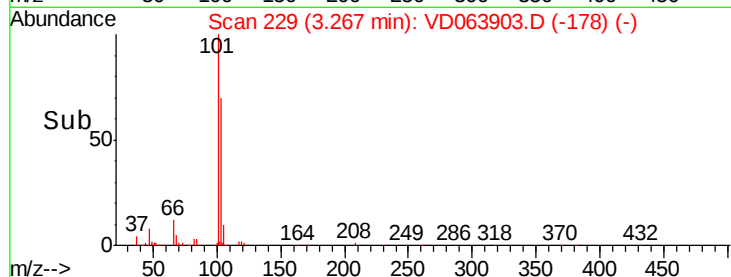
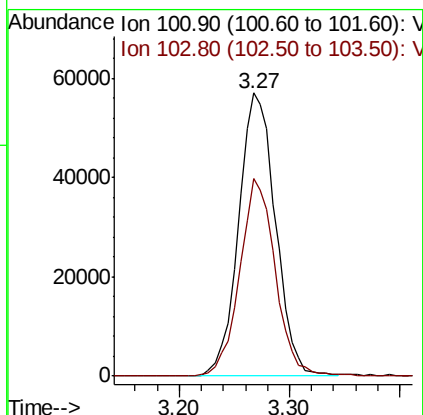
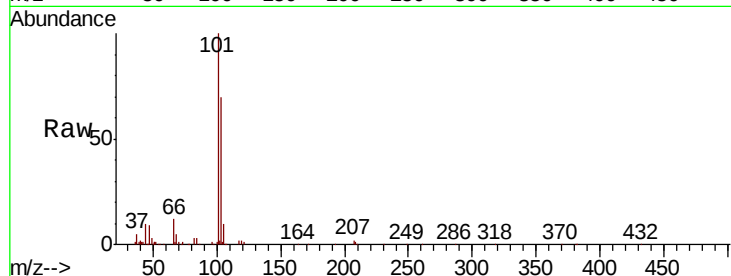


#7

Trichlorofluoromethane
 Concen: 22.776 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :

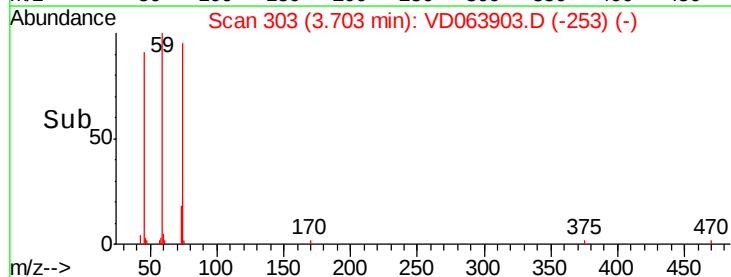
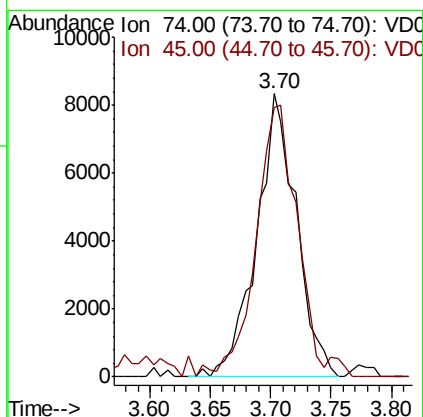
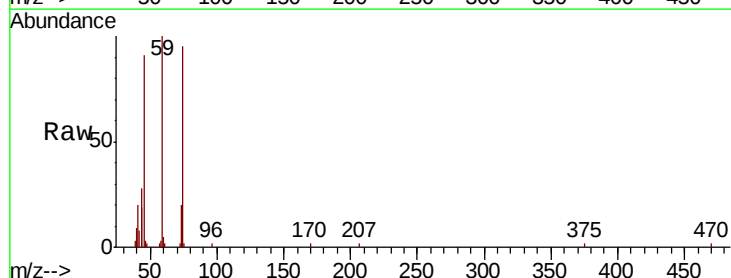
Tot Ion:101 Resp: 133845
 Ion Ratio Lower Upper
 101 100
 103 69.7 51.1 76.7

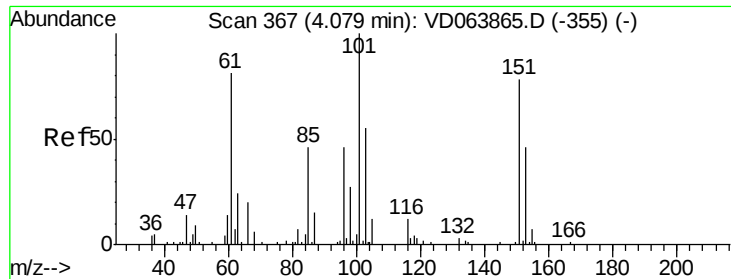


#8

Diethyl Ether
 Concen: 20.185 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 74 Resp: 19040
 Ion Ratio Lower Upper
 74 100
 45 91.7 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.903 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

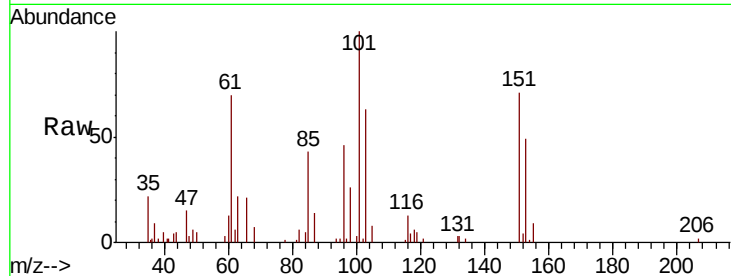
Tot Ion:101 Resp: 37256

Ion Ratio Lower Upper

101 100

85 45.1 37.5 56.3

151 80.4 65.5 98.3

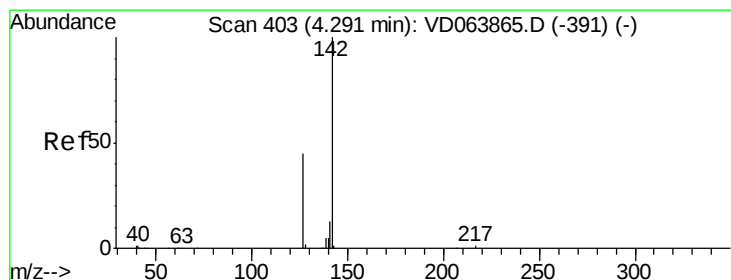
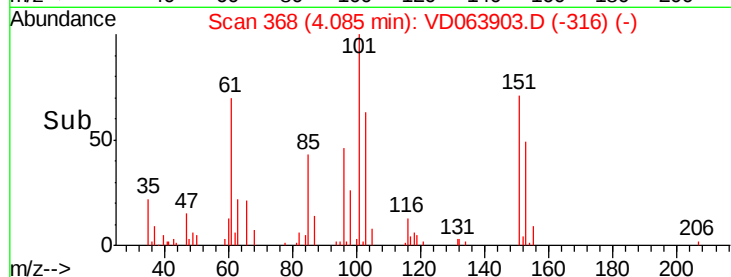
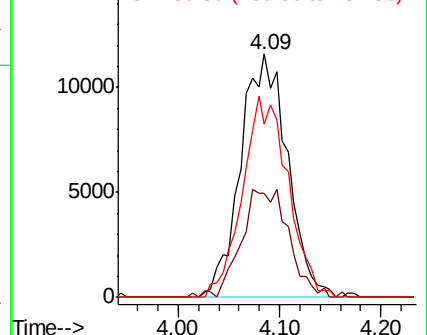


Abundance

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: 18.454 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

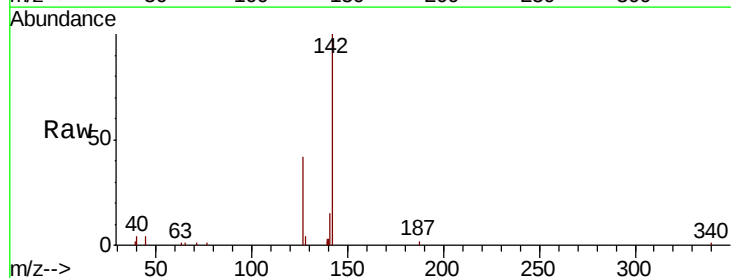
Tgt Ion:142 Resp: 41364

Ion Ratio Lower Upper

142 100

127 42.8 35.3 52.9

141 15.8 12.2 18.2

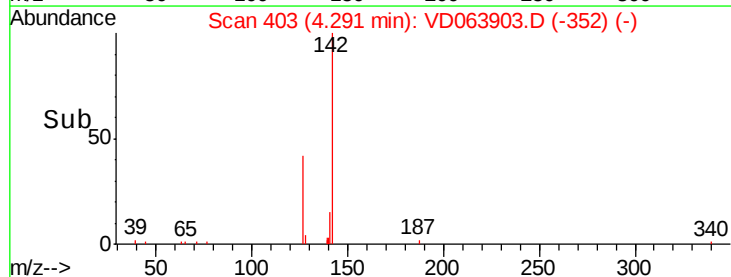
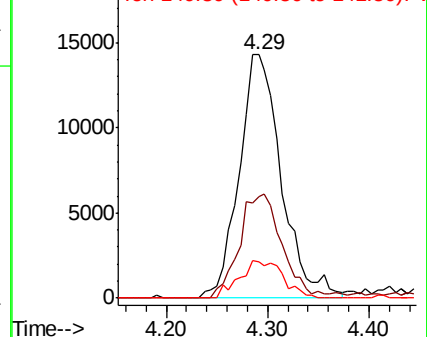


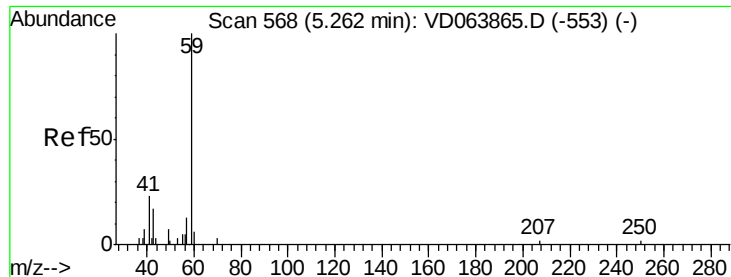
Abundance

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



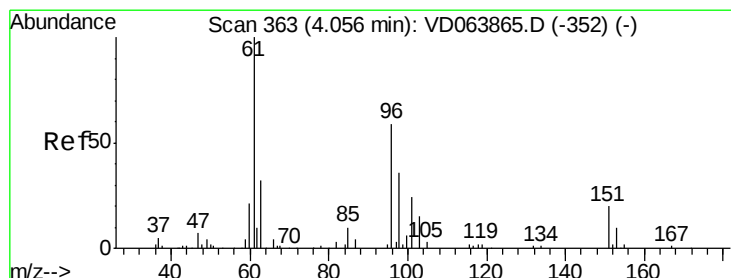
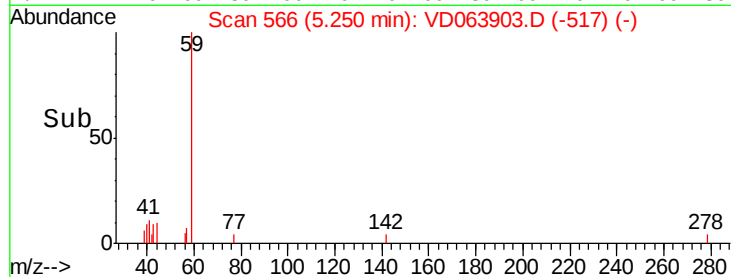
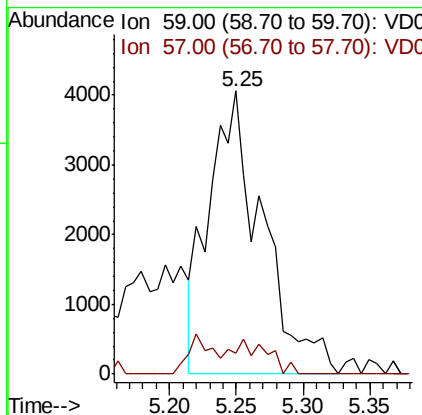
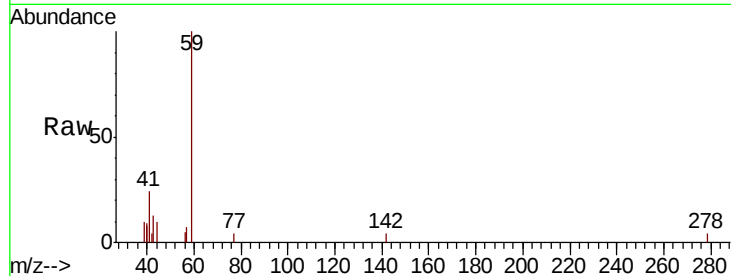


#11

Tert butyl alcohol
 Concen: 80.952 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampled :

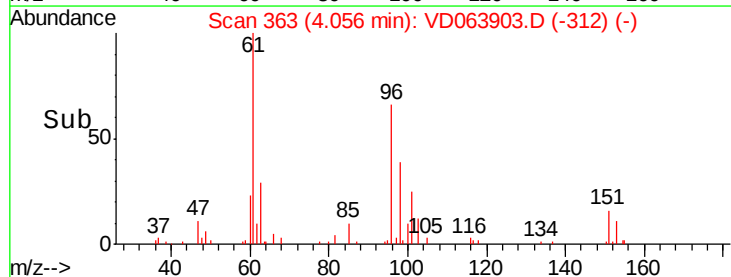
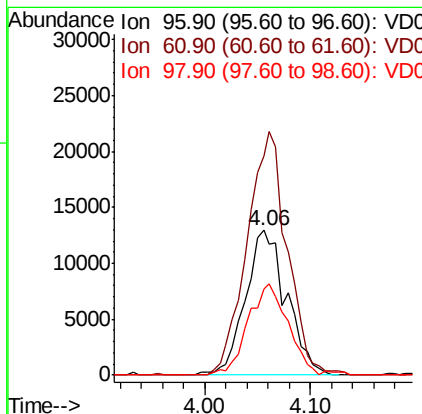
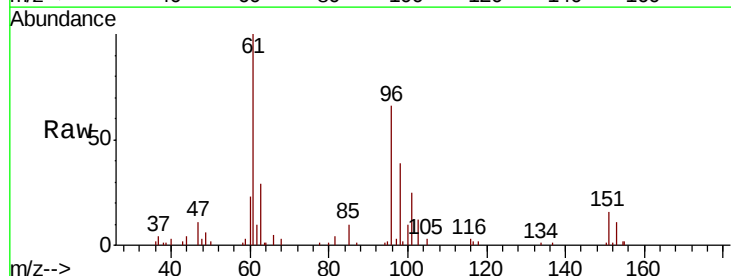
Tot Ion: 59 Resp: 11329
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.8 13.2#

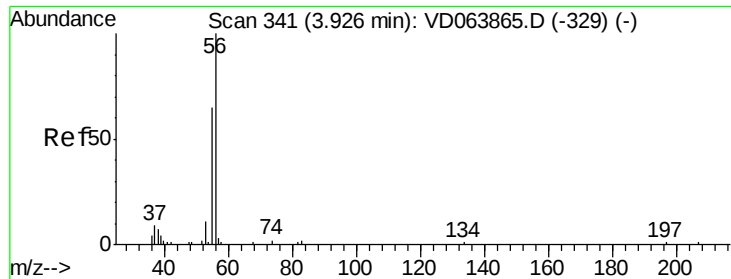


#12

1,1-Dichloroethene
 Concen: 21.481 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 96 Resp: 34911
 Ion Ratio Lower Upper
 96 100
 61 151.4 135.6 203.4
 98 59.6 49.2 73.8





#13

Acrolein

Concen: 74.498 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

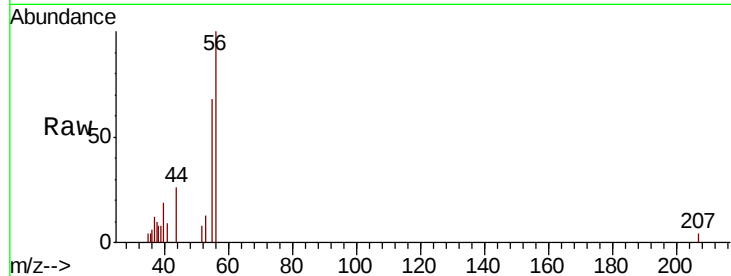
ClientSampleId :

Tot Ion: 56 Resp: 12562

Ion Ratio Lower Upper

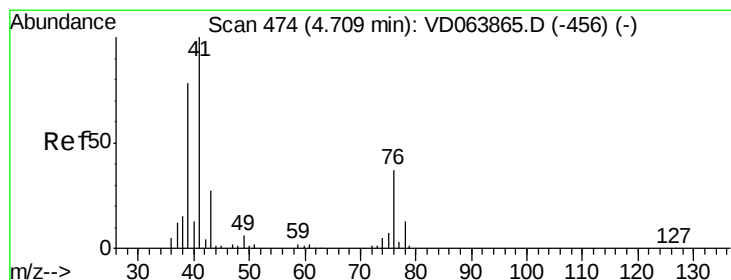
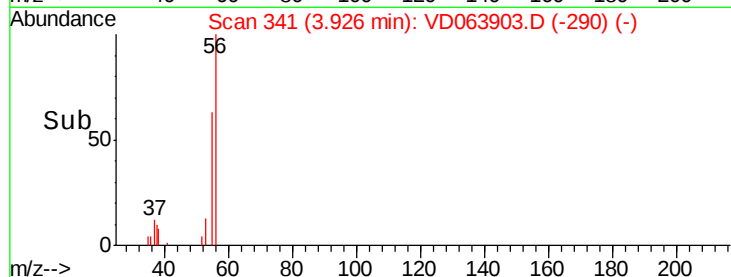
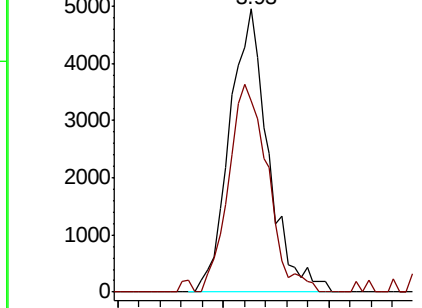
56 100

55 74.8 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: 19.771 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

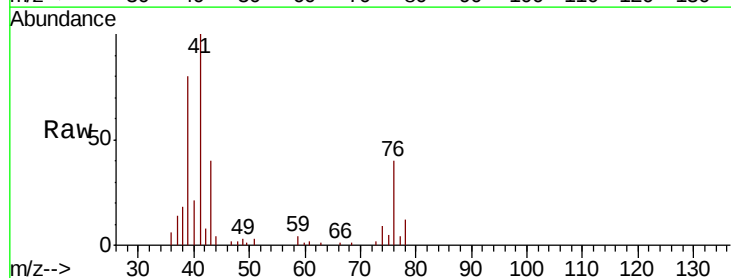
Tgt Ion: 41 Resp: 53422

Ion Ratio Lower Upper

41 100

39 80.8 61.8 92.6

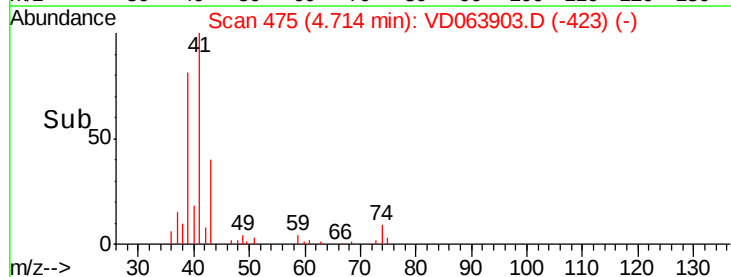
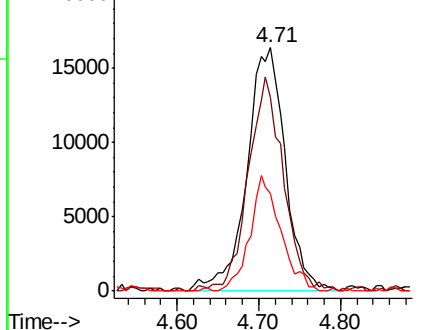
76 38.0 31.3 46.9

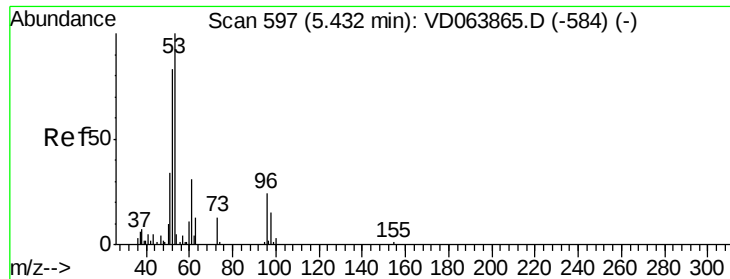


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.815 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

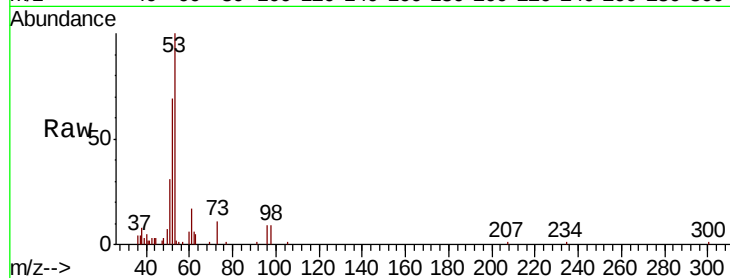
Tot Ion: 53 Resp: 43173

Ion Ratio Lower Upper

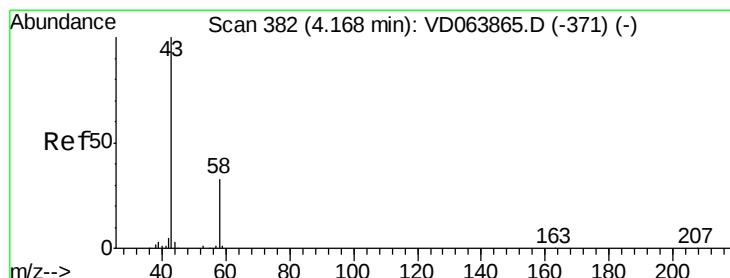
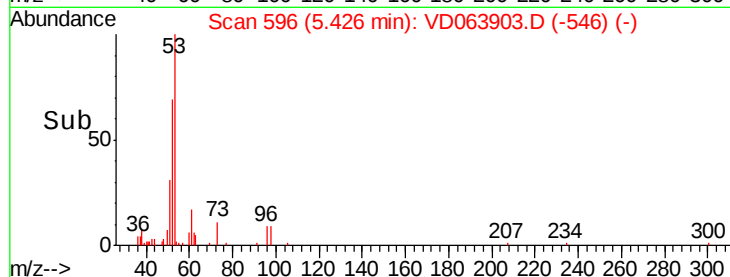
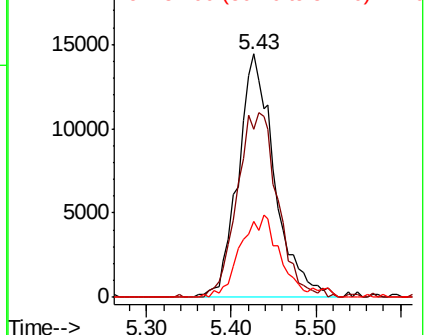
53 100

52 84.6 67.3 100.9

51 36.3 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: 84.526 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063903.D

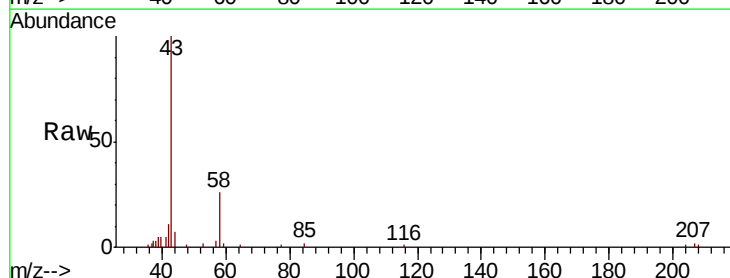
Acq: 10 Oct 2019 11:56

Tgt Ion: 43 Resp: 41548

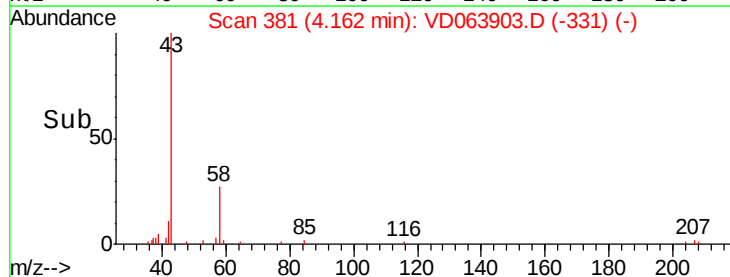
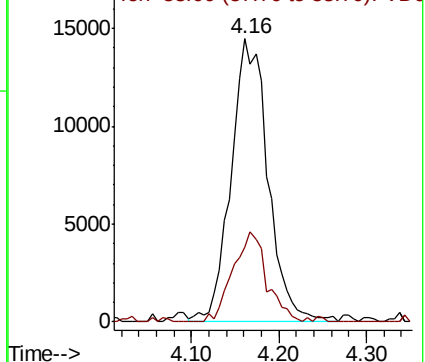
Ion Ratio Lower Upper

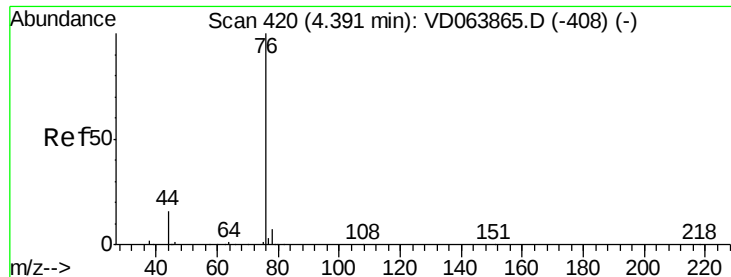
43 100

58 26.3 26.2 39.4



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

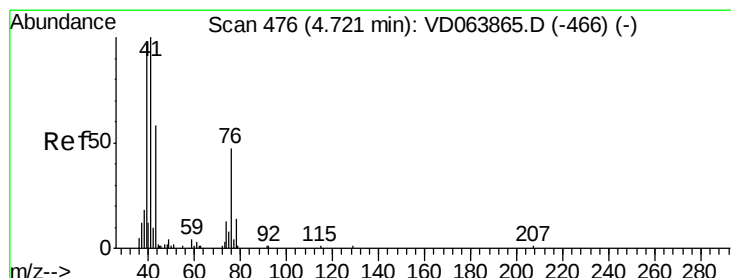
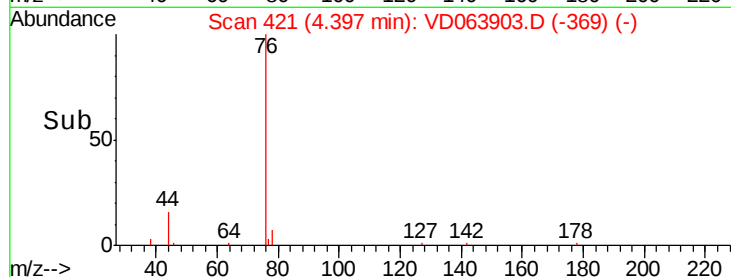
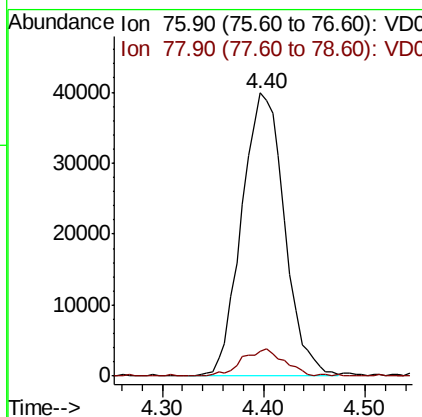
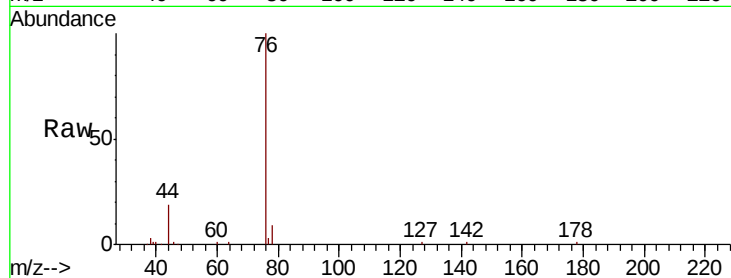




#17
Carbon Disulfide
Concen: 19.887 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

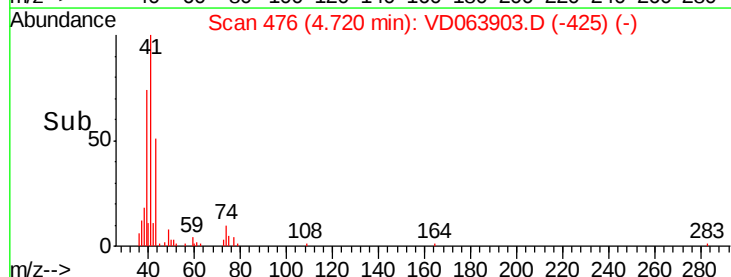
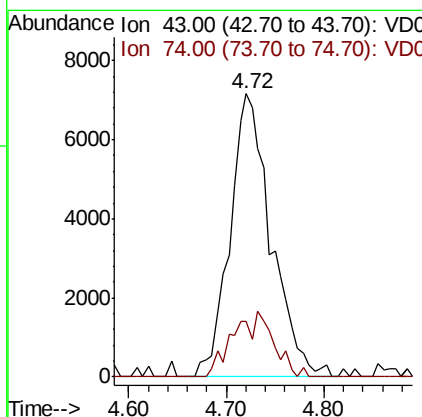
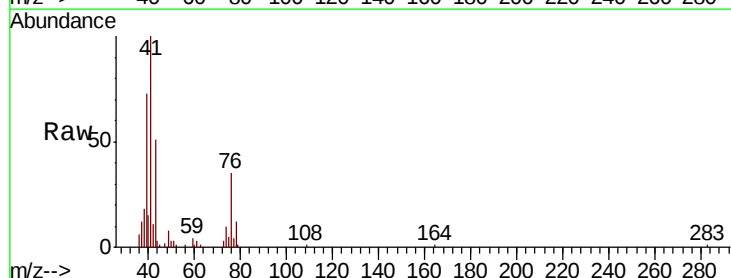
Instrument :
MSVOA_D
ClientSampleId :

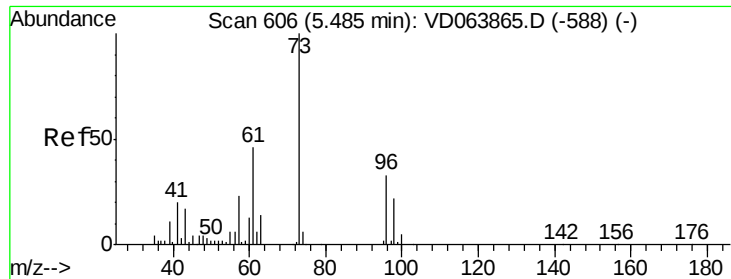
Tot Ion: 76 Resp: 117491
Ion Ratio Lower Upper
76 100
78 8.7 5.8 8.8



#18
Methyl Acetate
Concen: 21.830 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 43 Resp: 20987
Ion Ratio Lower Upper
43 100
74 12.0 20.8 31.2#

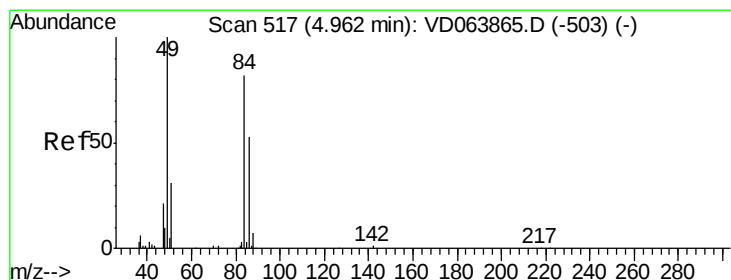
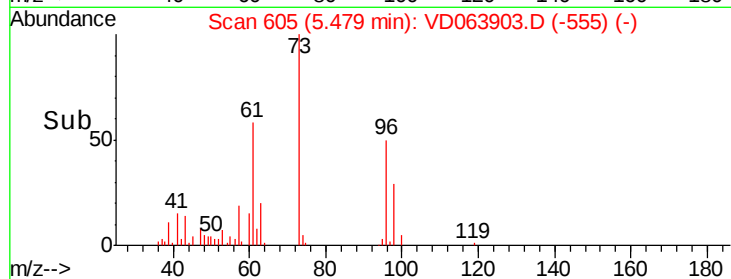
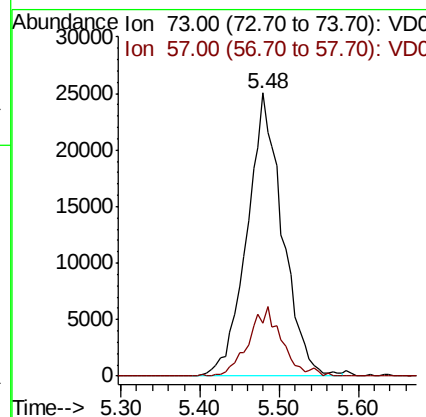
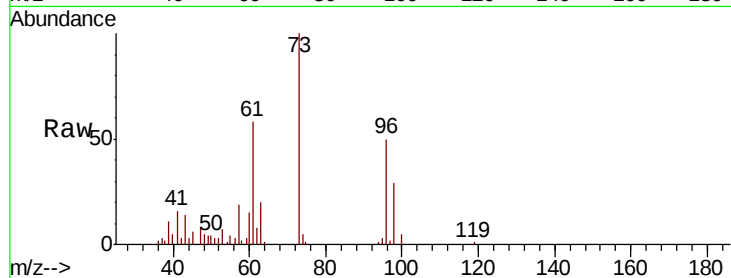




#19
Methyl tert-butyl Ether
Concen: 18.494 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

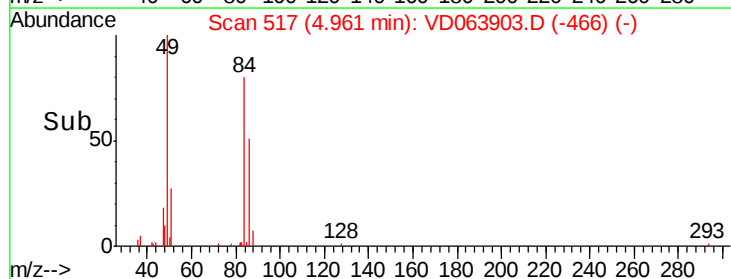
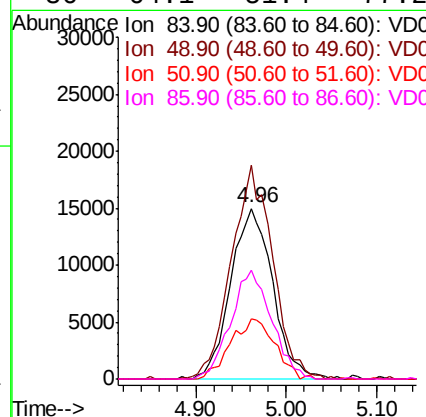
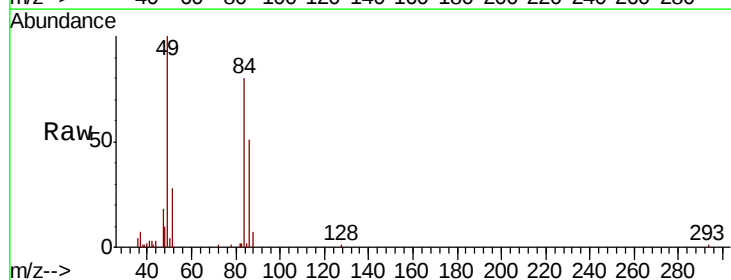
Instrument :
MSVOA_D
ClientSampleId :

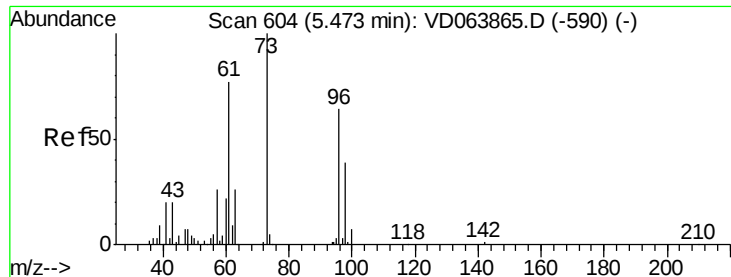
Tot Ion: 73 Resp: 77833
Ion Ratio Lower Upper
73 100
57 18.8 18.1 27.1



#20
Methylene Chloride
Concen: 20.299 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 84 Resp: 48172
Ion Ratio Lower Upper
84 100
49 124.1 97.3 145.9
51 35.5 30.1 45.1
86 64.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.099 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

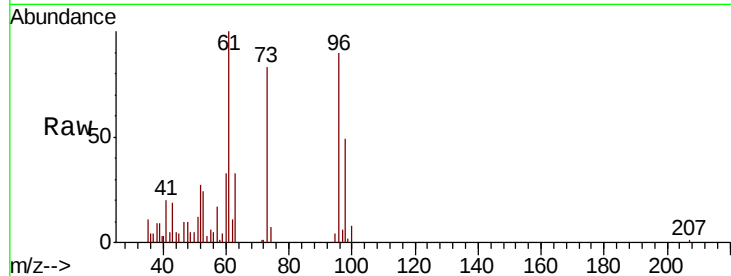
Tot Ion: 96 Resp: 40664

Ion Ratio Lower Upper

96 100

61 110.7 96.6 145.0

98 54.2 48.7 73.1

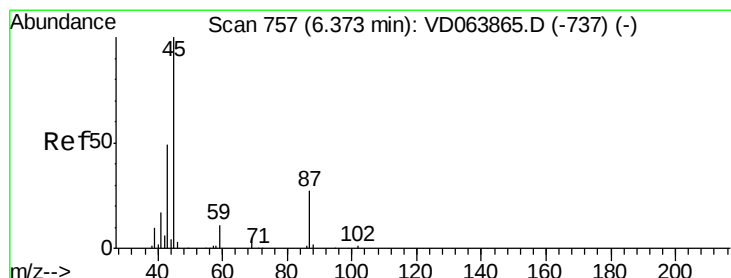
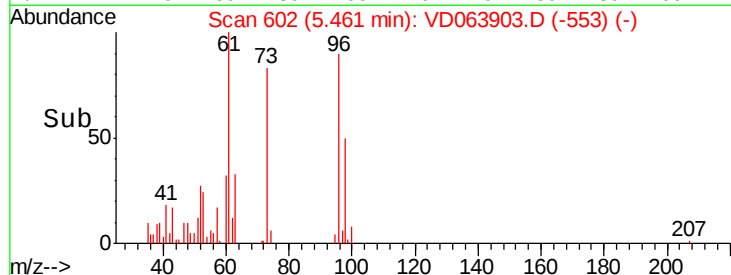
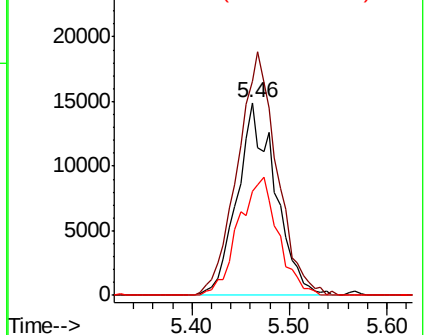


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 18.913 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion: 45 Resp: 104367

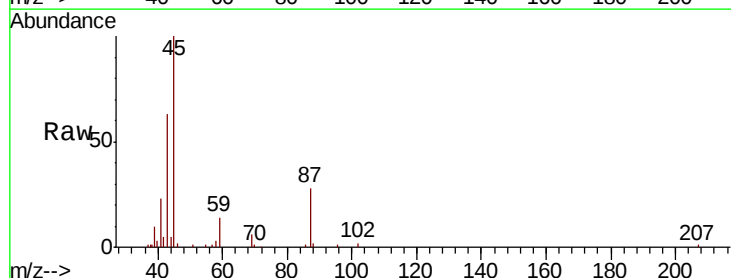
Ion Ratio Lower Upper

45 100

43 62.3 41.2 61.8#

87 28.1 22.2 33.4

59 14.2 9.2 13.8#



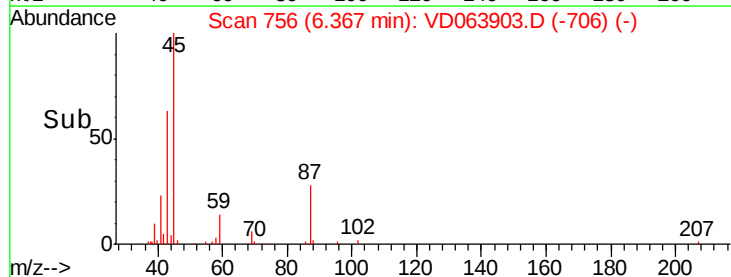
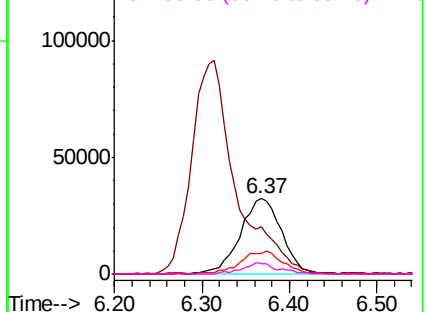
Abundance

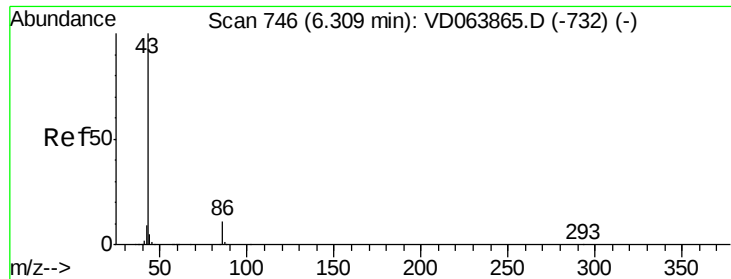
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 97.955 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

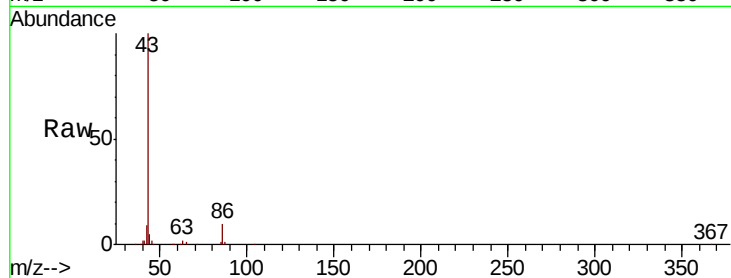
ClientSampled :

Tot Ion: 43 Resp: 321570

Ion Ratio Lower Upper

43 100

86 10.4 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

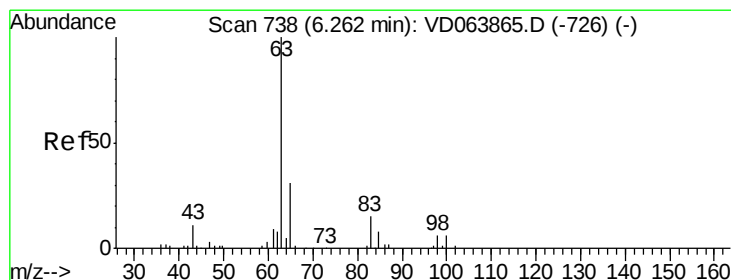
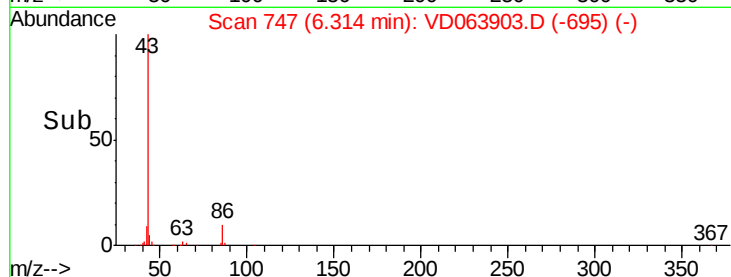
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.073 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

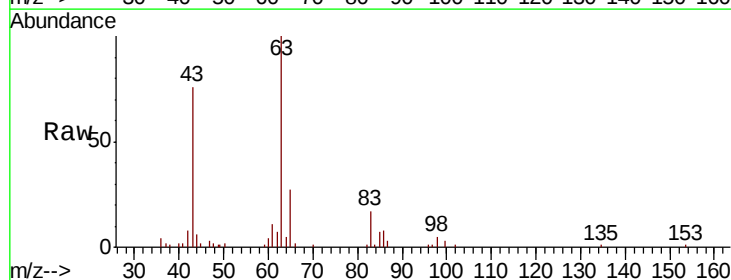
Tgt Ion: 63 Resp: 68229

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.4

100 2.7 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

6.27

30000

25000

20000

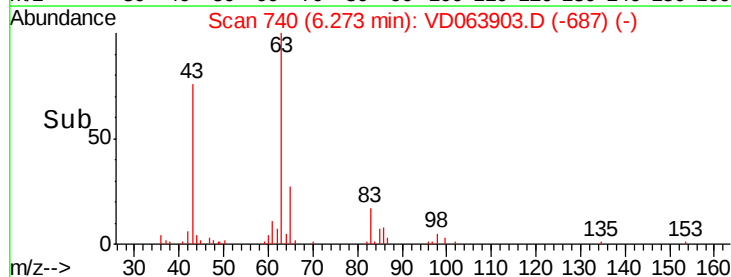
15000

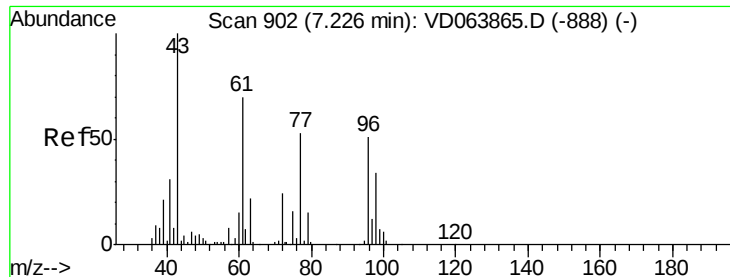
10000

5000

0

Time--> 6.20 6.30 6.40

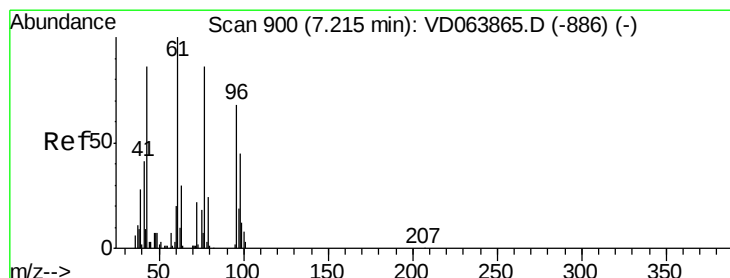
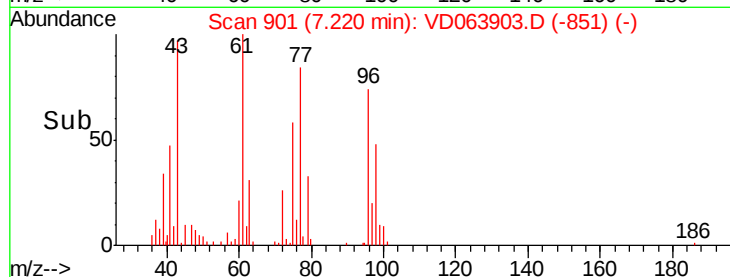
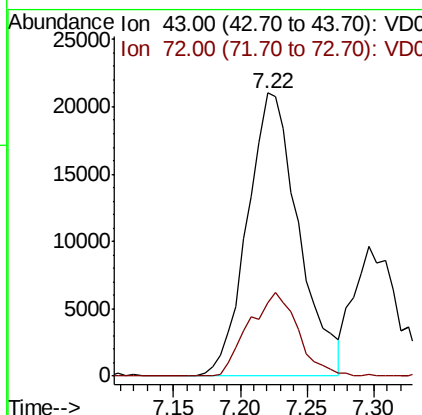
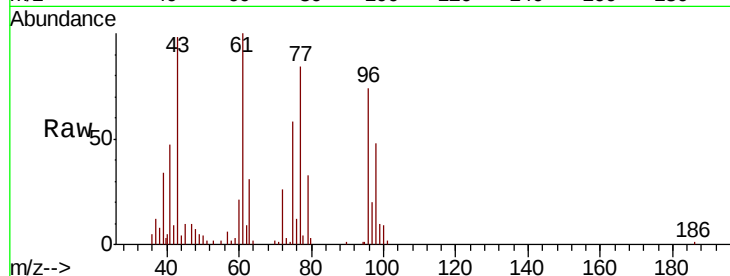




#25
2-Butanone
Concen: 96.273 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

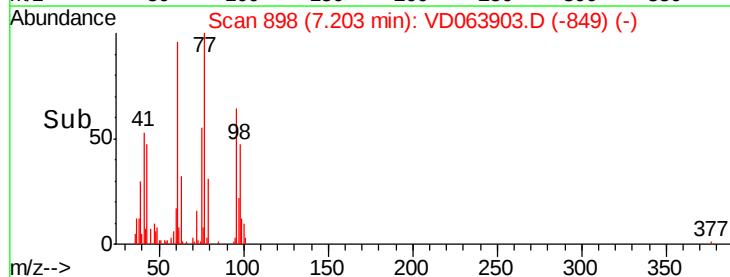
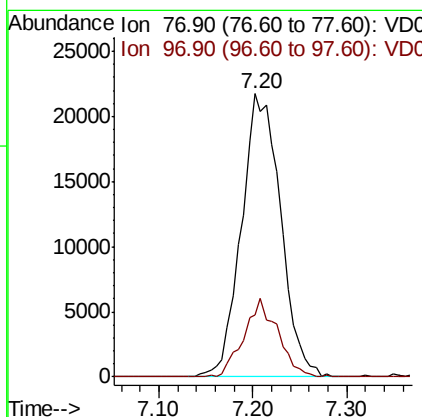
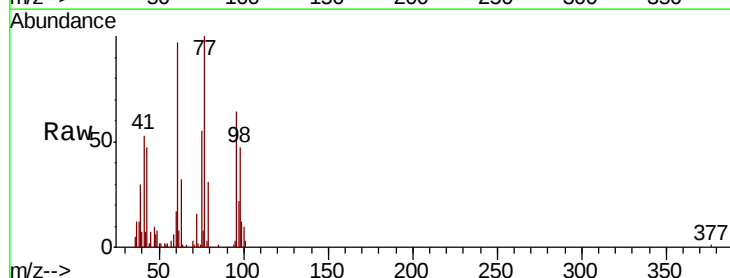
Instrument :
MSVOA_D
ClientSampleId :

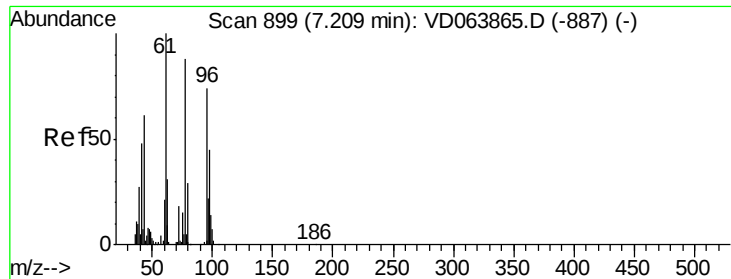
Tot Ion: 43 Resp: 56082
Ion Ratio Lower Upper
43 100
72 26.0 19.2 28.8



#26
2,2-Dichloropropane
Concen: 20.402 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 77 Resp: 62732
Ion Ratio Lower Upper
77 100
97 23.8 11.4 34.1



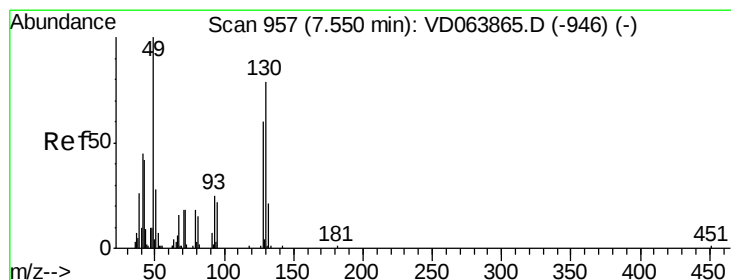
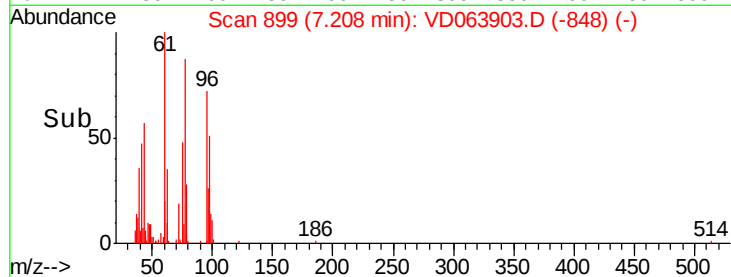
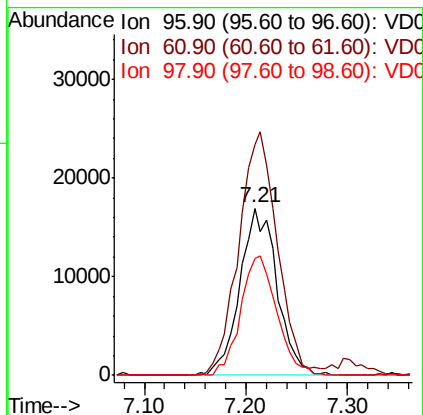
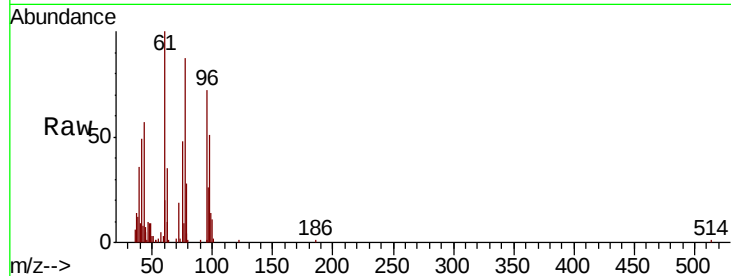


#27

cis-1,2-Dichloroethene
 Concen: 18.865 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :

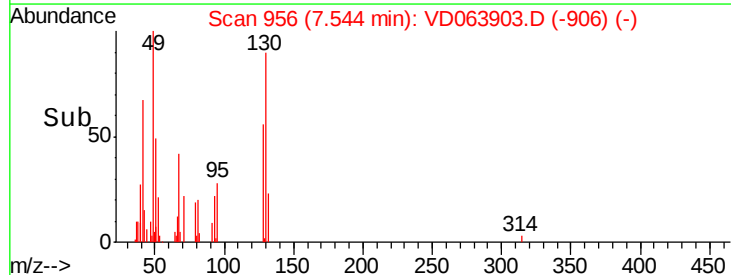
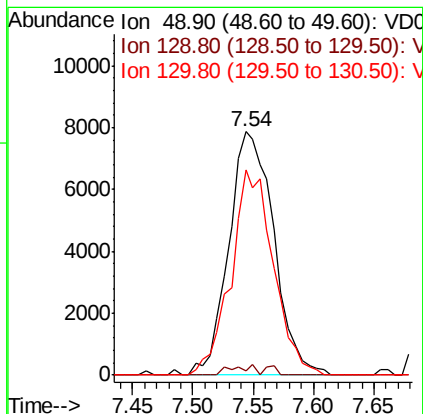
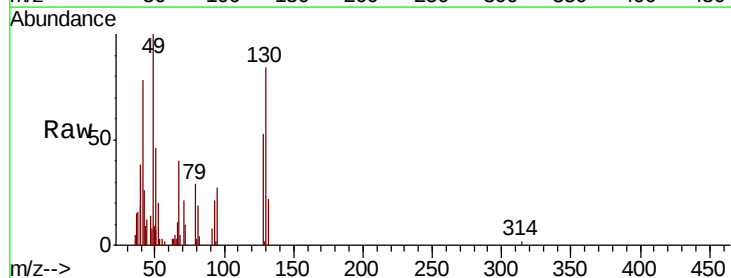
Tot Ion: 96 Resp: 43200
 Ion Ratio Lower Upper
 96 100
 61 151.1 0.0 280.0
 98 69.4 0.0 130.4

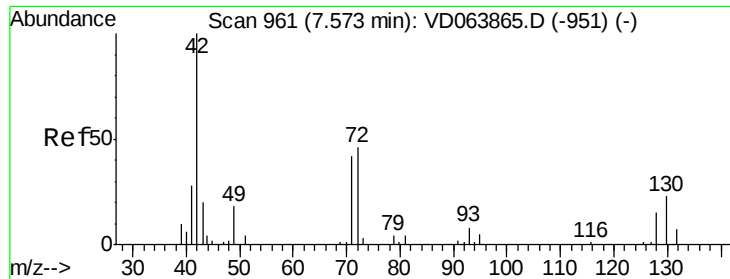


#28

Bromochloromethane
 Concen: 17.051 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 49 Resp: 20386
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 5.6
 130 79.4 66.8 100.2

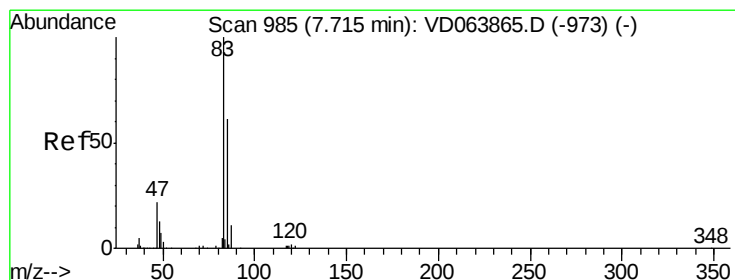
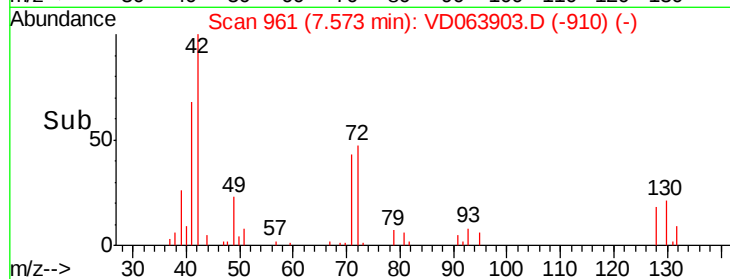
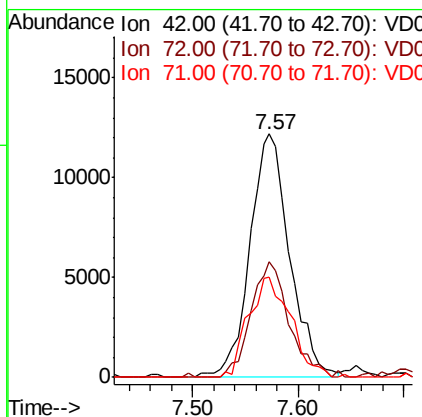
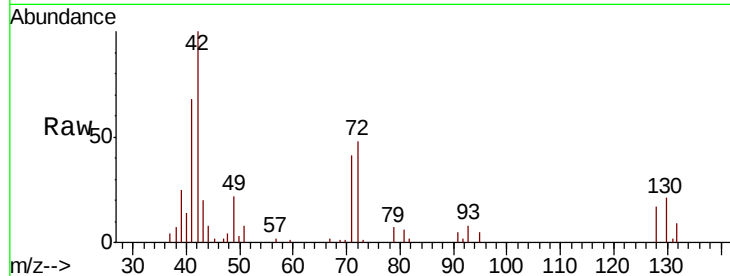




#29
Tetrahydrofuran
Concen: 93.688 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

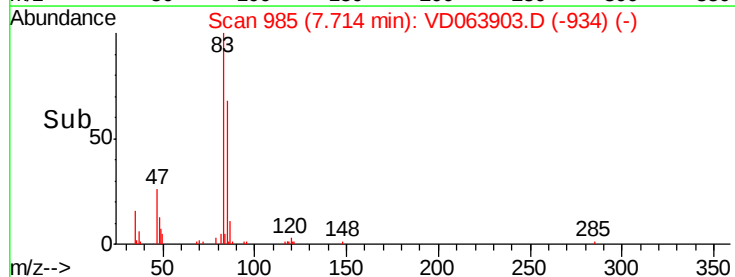
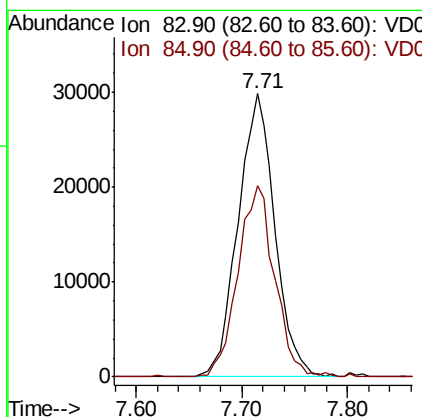
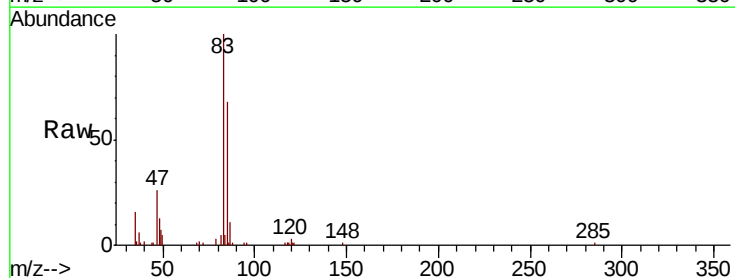
Instrument :
MSVOA_D
ClientSampled :

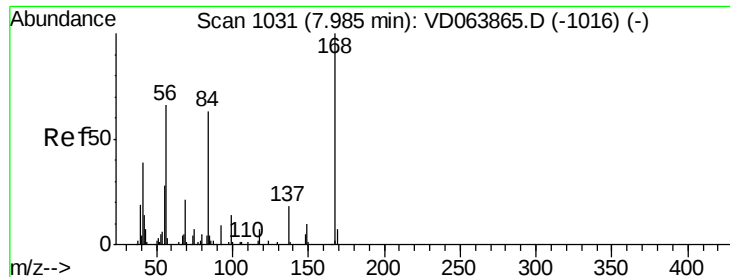
Tot Ion: 42 Resp: 31855
Ion Ratio Lower Upper
42 100
72 45.8 37.6 56.4
71 43.3 35.0 52.6



#30
Chloroform
Concen: 19.467 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 83 Resp: 71870
Ion Ratio Lower Upper
83 100
85 67.6 48.9 73.3

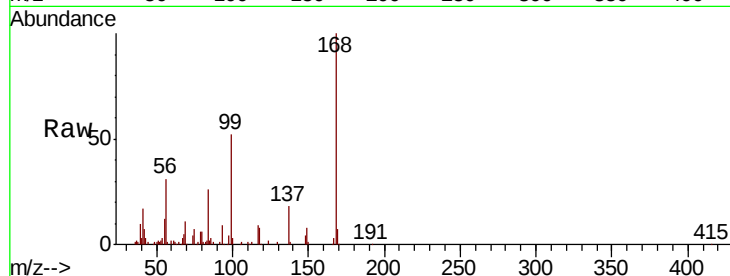




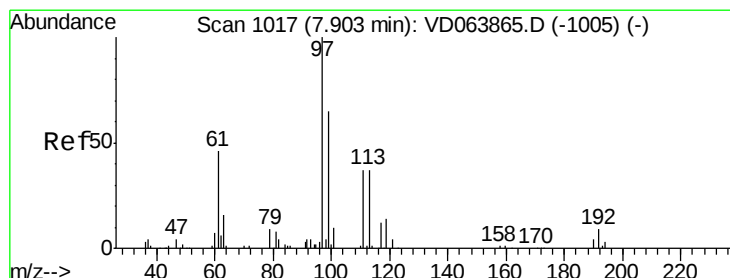
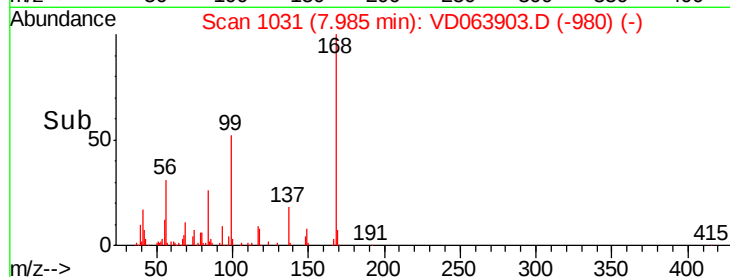
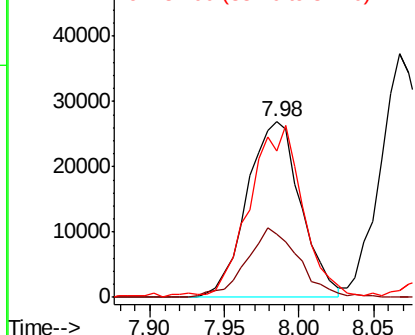
#31
Cyclohexane
Concen: 21.677 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 67274
Ion Ratio Lower Upper
56 100
69 35.9 25.0 37.4
84 81.4 76.3 114.5

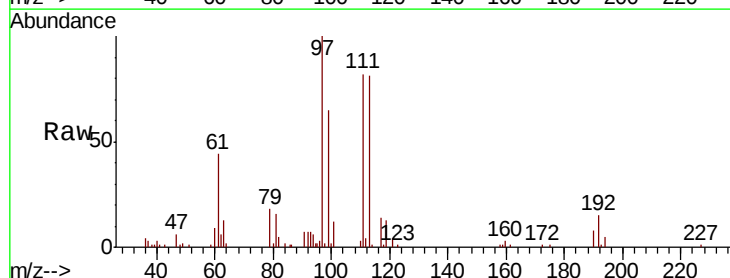


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

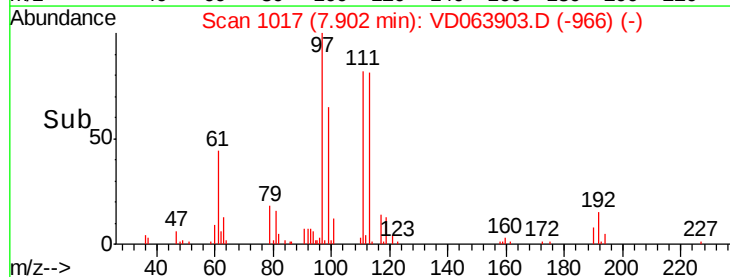
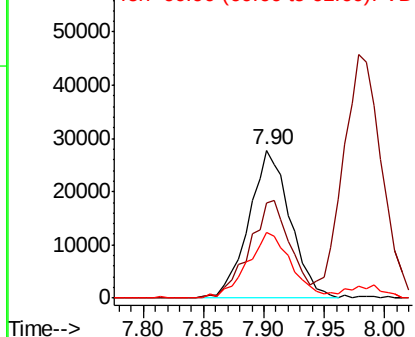


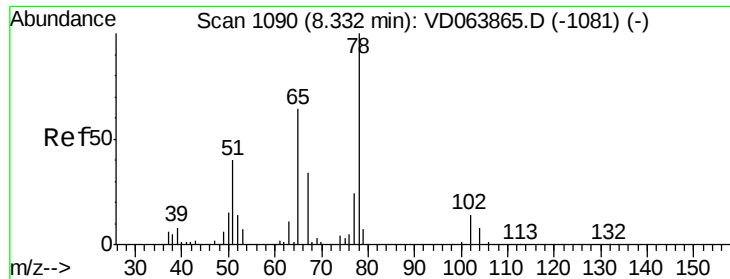
#32
1,1,1-Trichloroethane
Concen: 20.935 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 97 Resp: 66299
Ion Ratio Lower Upper
97 100
99 65.2 52.4 78.6
61 46.2 33.8 50.8



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

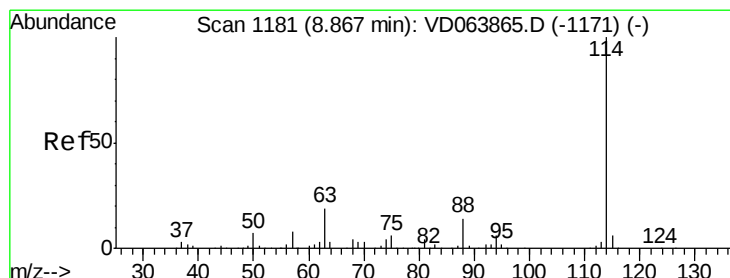
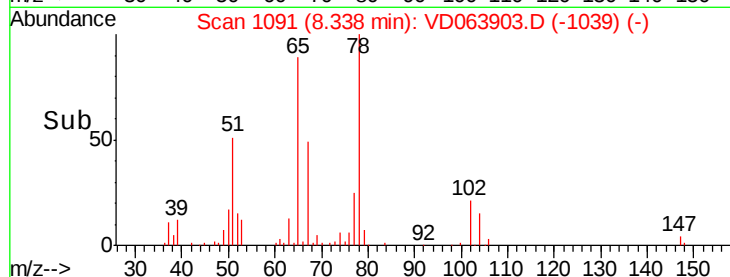
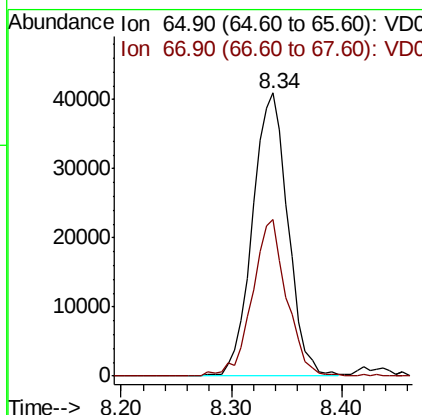
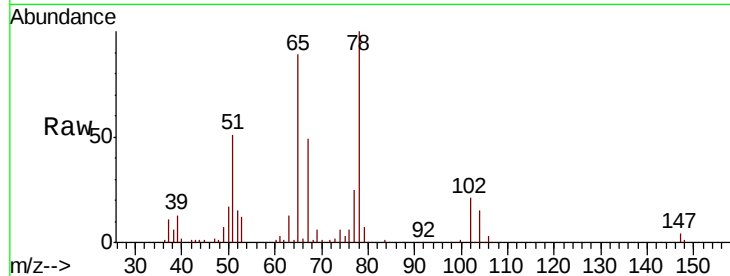




#33
 1,2-Dichloroethane-d4
 Concen: 48.813 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

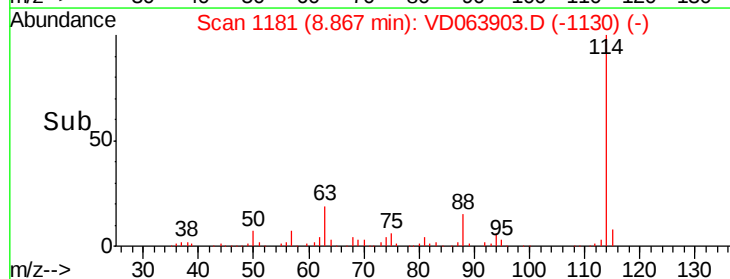
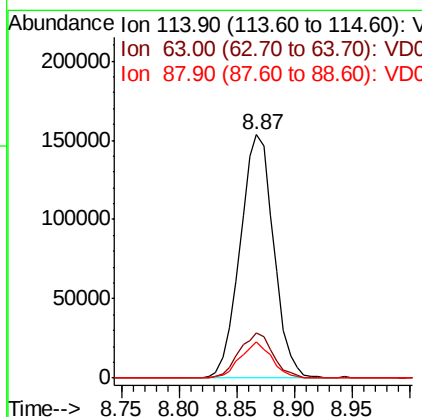
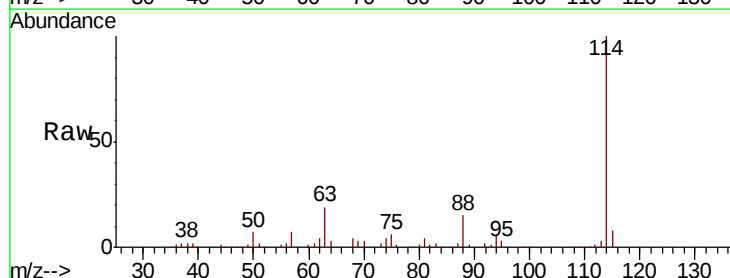
Instrument :
 MSVOA_D
 ClientSampleId :

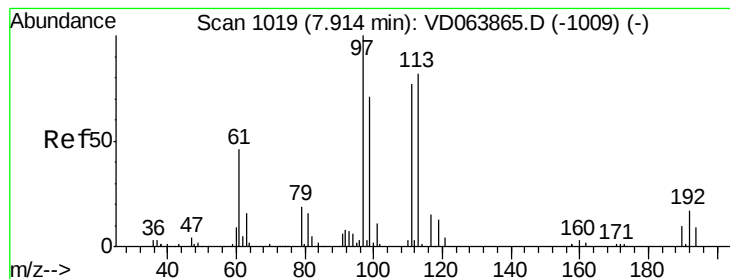
Tot Ion: 65 Resp: 92157
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 114 Resp: 310528
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 15.1 0.0 27.4





#35

Dibromofluoromethane

Concen: 48.590 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :

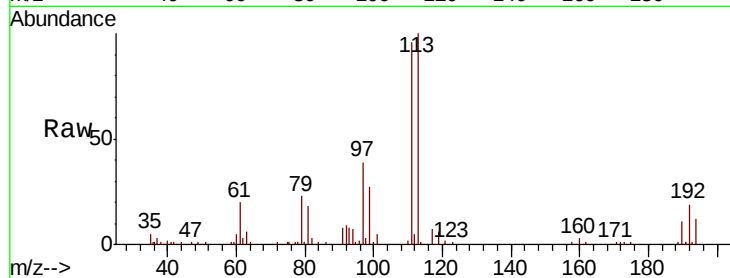
Tot Ion:113 Resp: 92210

Ion Ratio Lower Upper

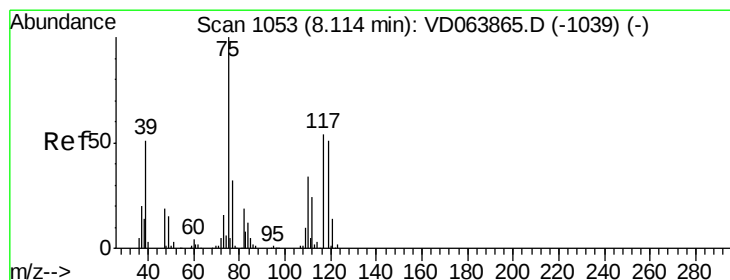
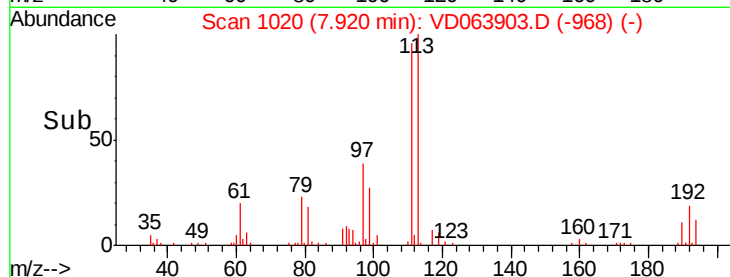
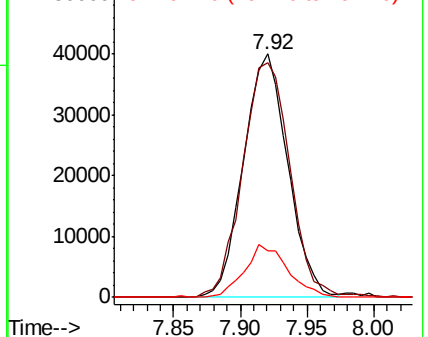
113 100

111 103.1 82.6 123.8

192 21.1 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 21.262 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

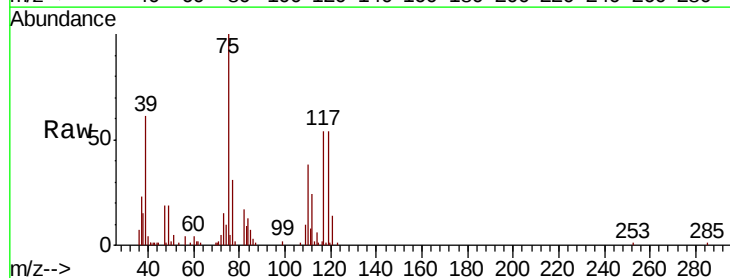
Tgt Ion: 75 Resp: 60367

Ion Ratio Lower Upper

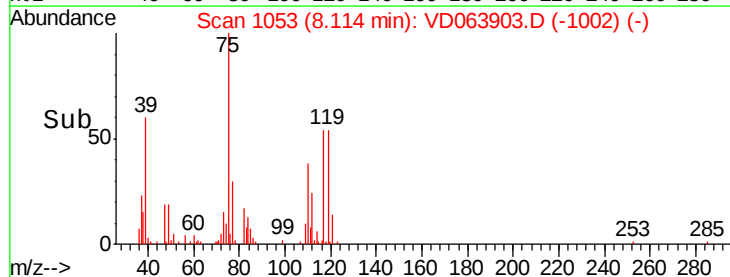
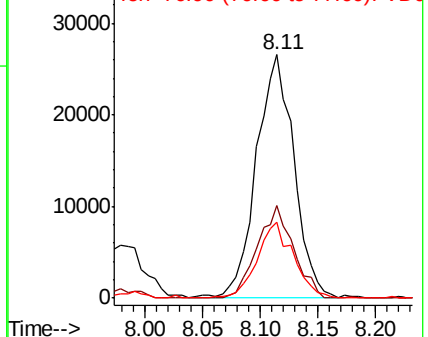
75 100

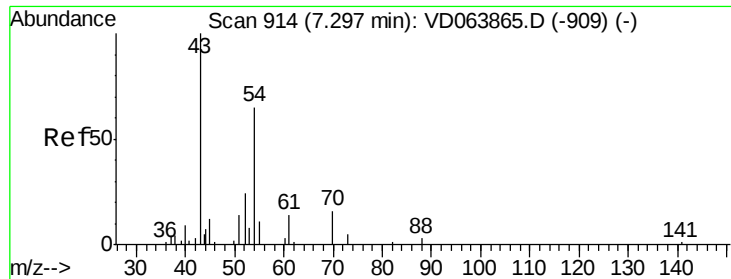
110 36.2 17.4 52.3

77 30.0 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

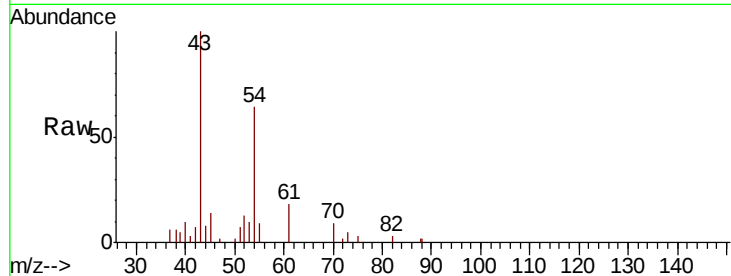




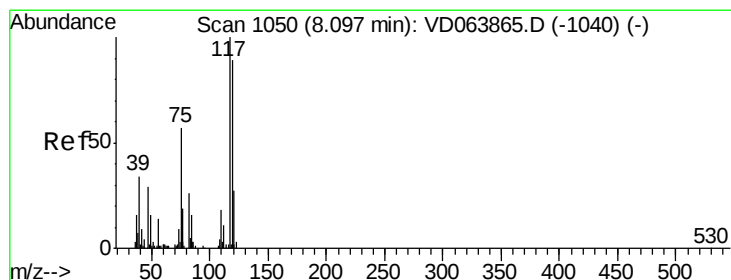
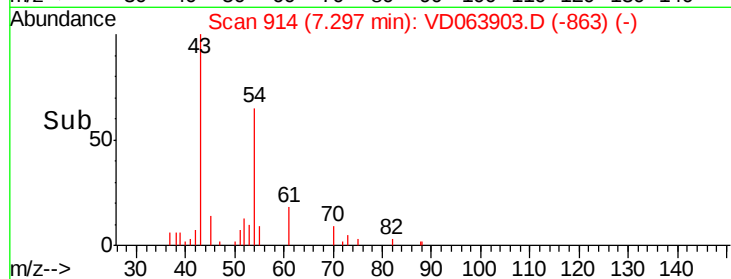
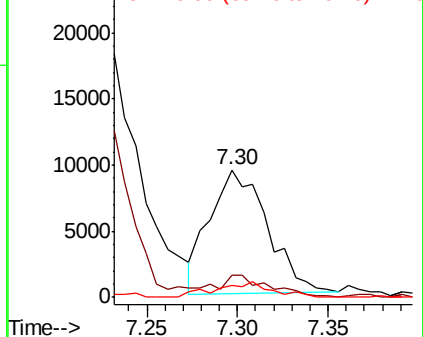
#37
Ethyl Acetate
Concen: 15.353 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 20626
Ion Ratio Lower Upper
43 100
61 16.2 11.5 17.3
70 11.9 8.2 12.4

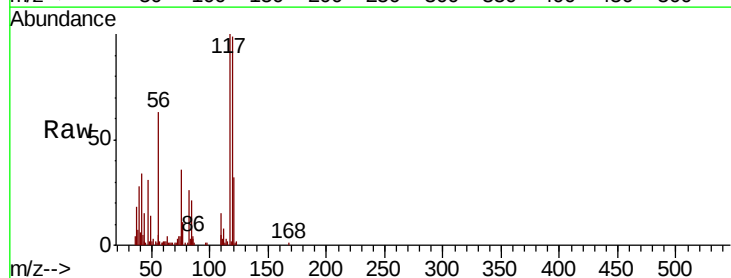


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

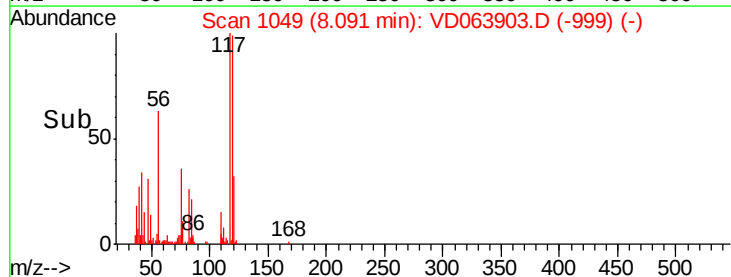
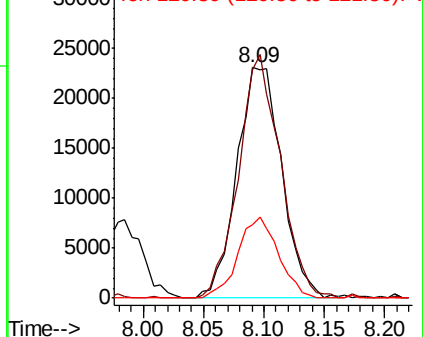


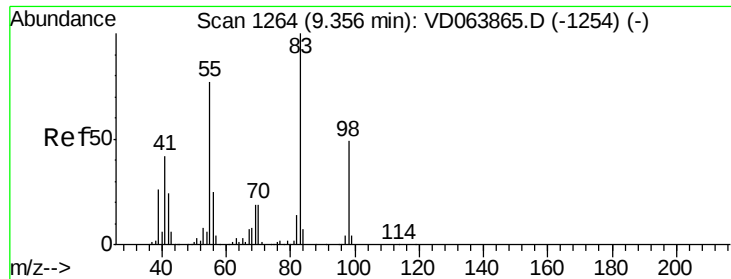
#38
Carbon Tetrachloride
Concen: 20.828 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 117 Resp: 59759
Ion Ratio Lower Upper
117 100
119 99.0 70.8 106.2
121 31.6 21.4 32.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

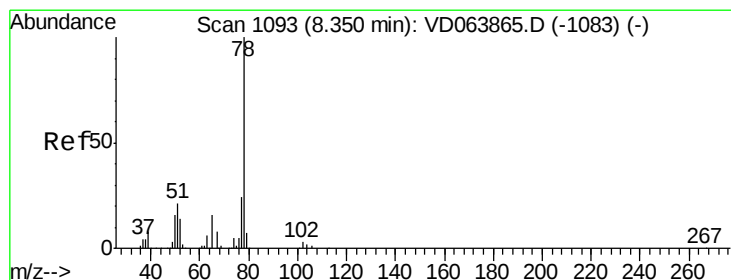
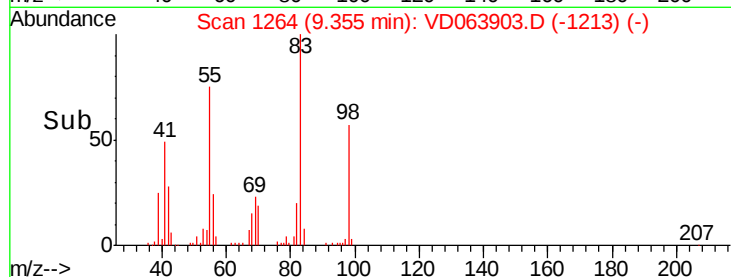
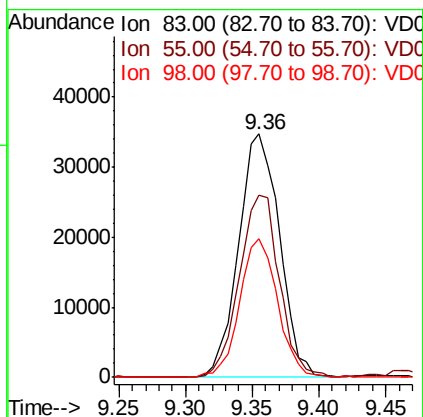
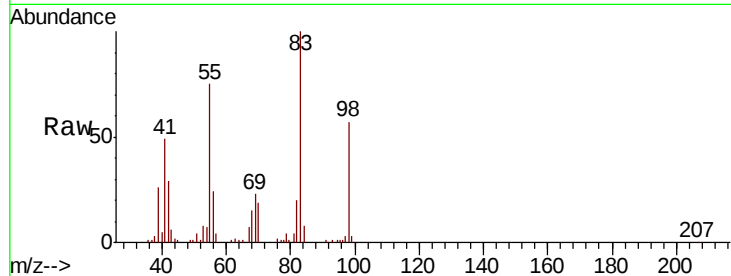




#39
Methvlcvclohexane
Concen: 21.178 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

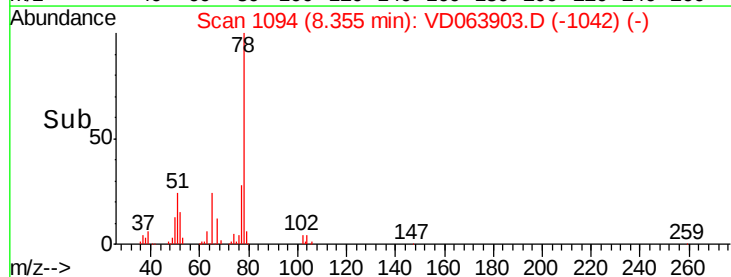
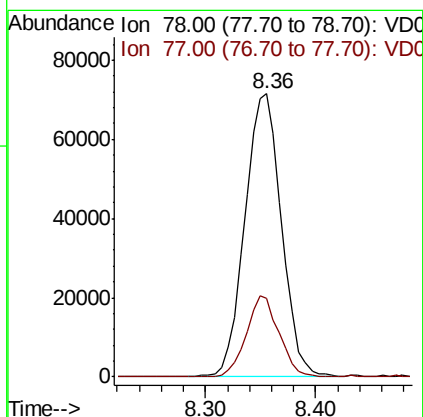
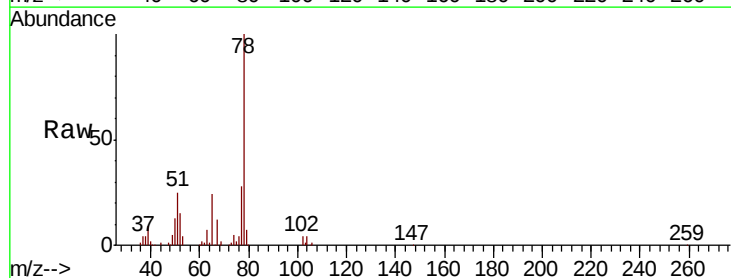
Instrument :
MSVOA_D
ClientSampleId :

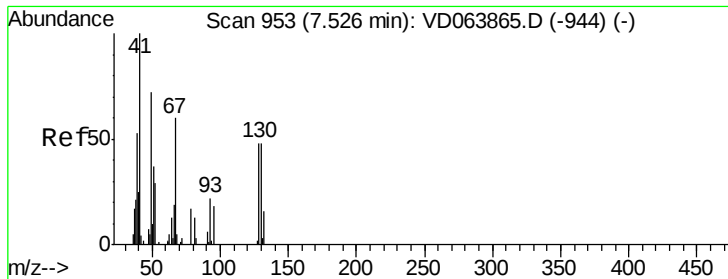
Tot Ion: 83 Resp: 73933
Ion Ratio Lower Upper
83 100
55 74.7 61.3 91.9
98 57.2 39.3 58.9



#40
Benzene
Concen: 20.443 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 78 Resp: 166329
Ion Ratio Lower Upper
78 100
77 27.7 19.0 28.6

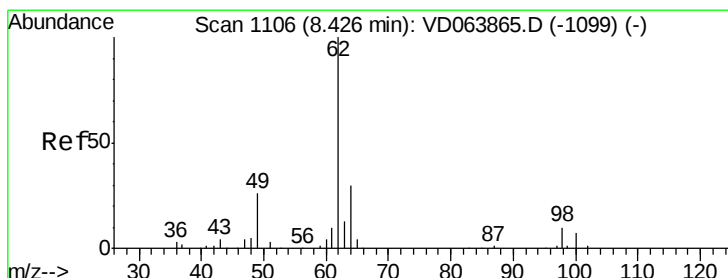
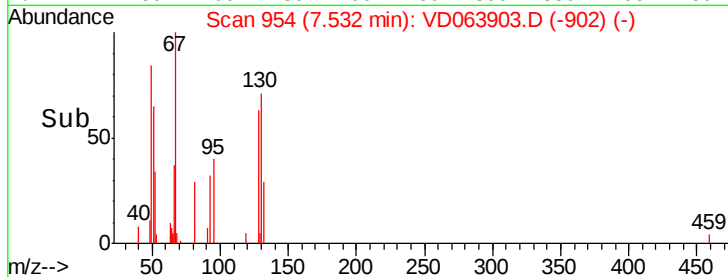
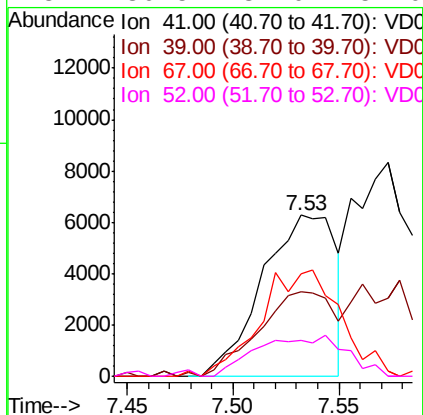
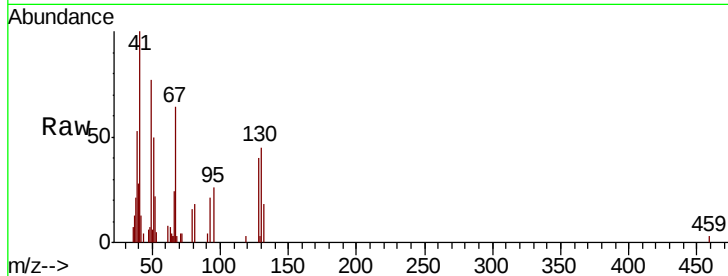




#41
Methacrylonitrile
Concen: 23.073 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

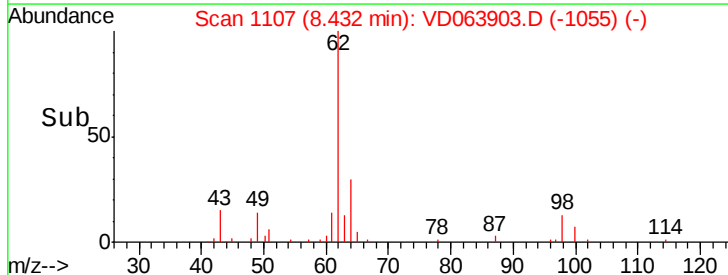
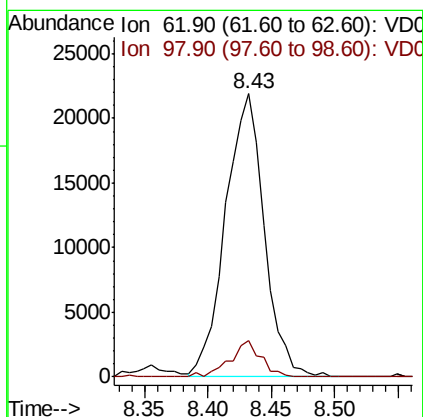
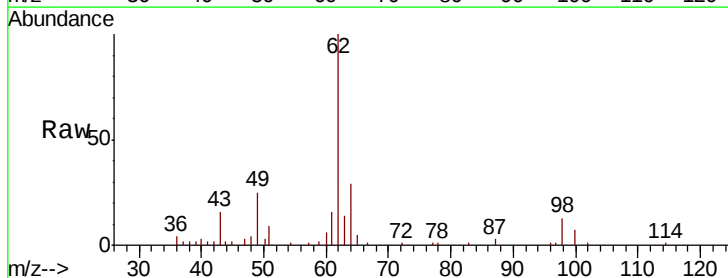
Instrument :
MSVOA_D
ClientSampleId :

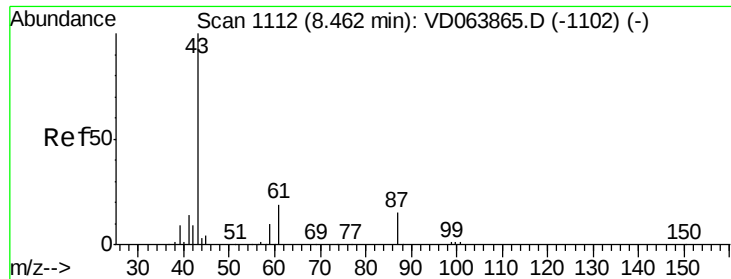
Tot Ion: 41 Resp: 15188
Ion Ratio Lower Upper
41 100
39 53.6 52.6 78.8
67 71.5 74.2 111.2#
52 30.5 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 19.699 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 62 Resp: 46364
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 18.781 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

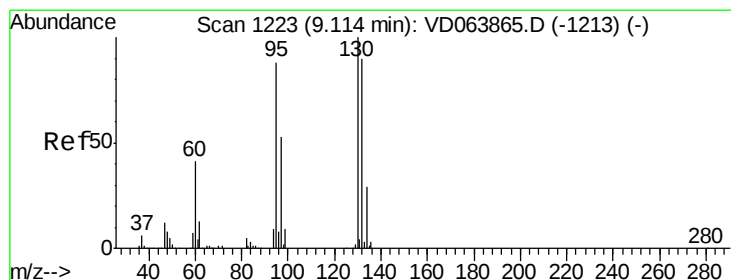
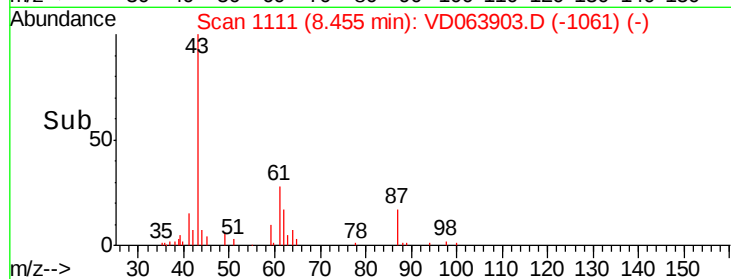
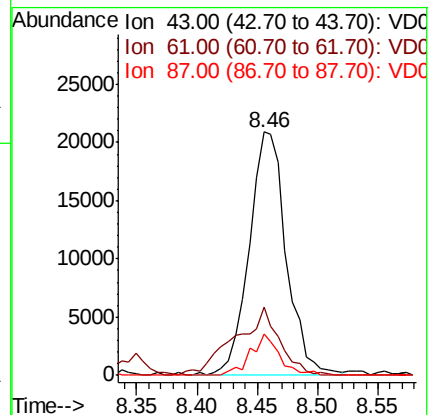
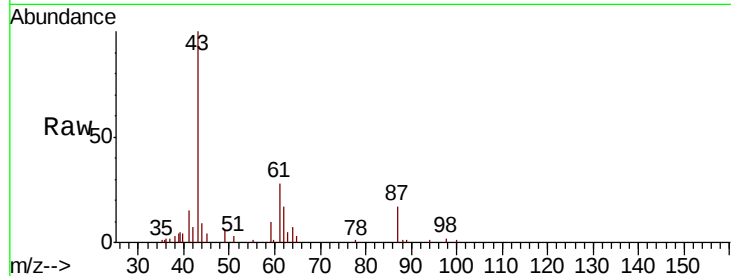
Tot Ion: 43 Resp: 44718

Ion Ratio Lower Upper

43 100

61 33.7 25.7 38.5

87 13.1 11.6 17.4



#44

Trichloroethene

Concen: 20.490 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063903.D

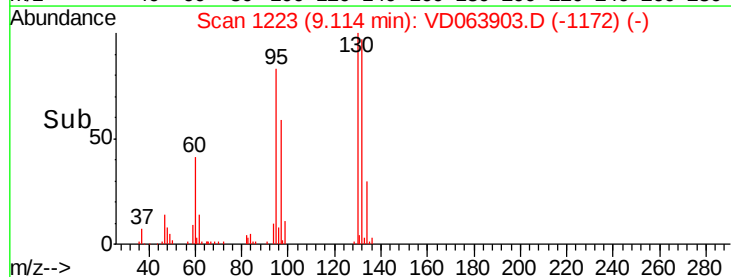
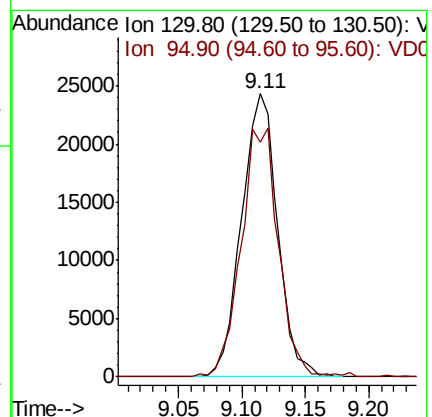
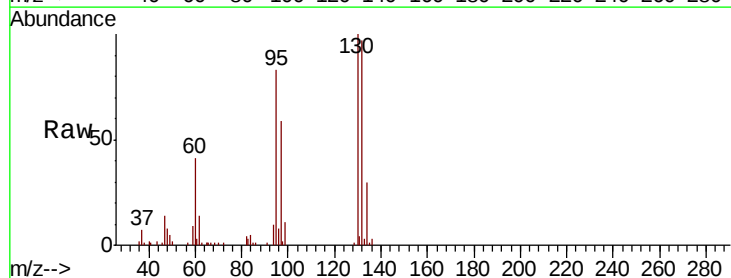
Acq: 10 Oct 2019 11:56

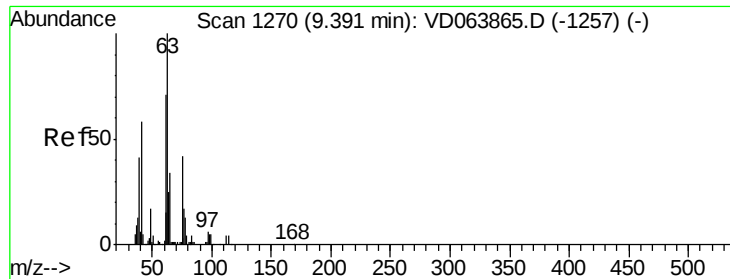
Tgt Ion:130 Resp: 48074

Ion Ratio Lower Upper

130 100

95 83.0 0.0 175.6

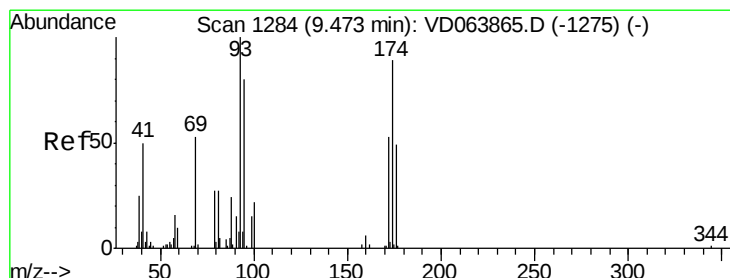
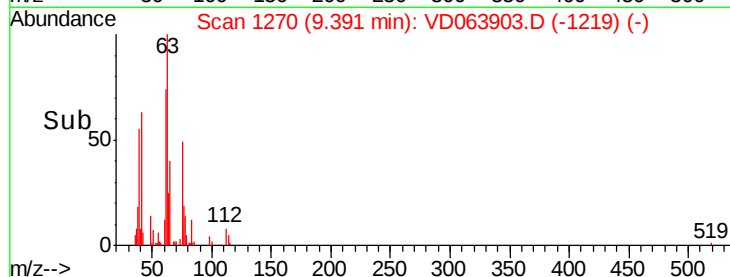
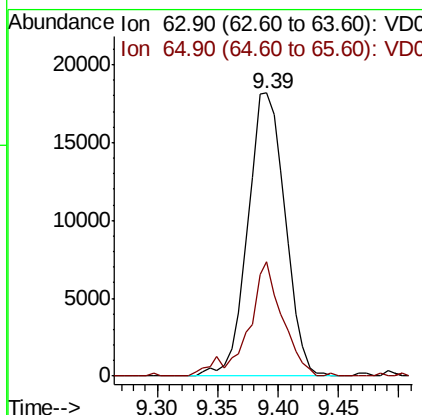
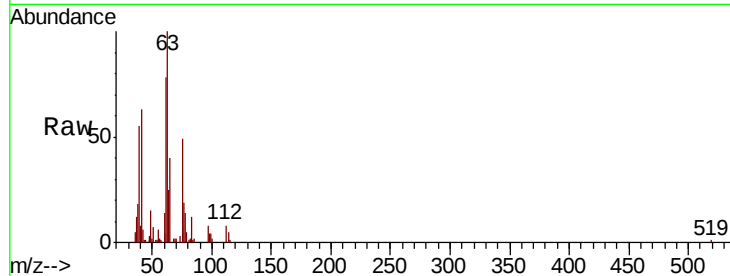




#45
 1,2-Dichloropropane
 Concen: 19.605 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

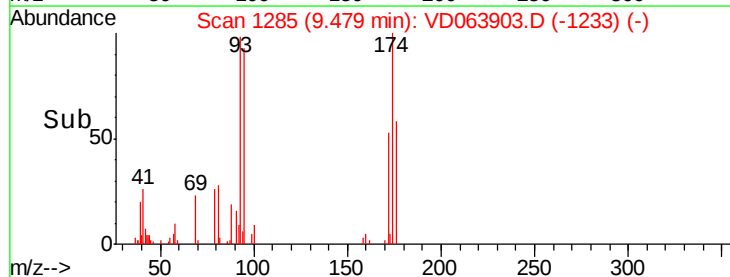
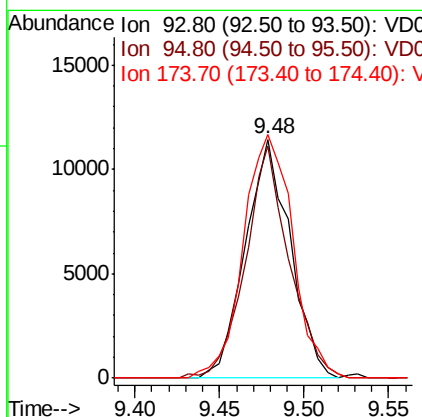
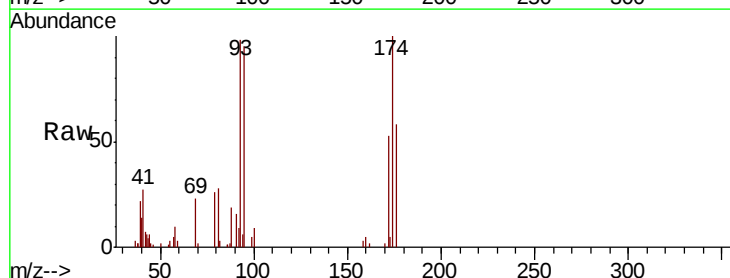
Instrument :
 MSVOA_D
 ClientSampled :

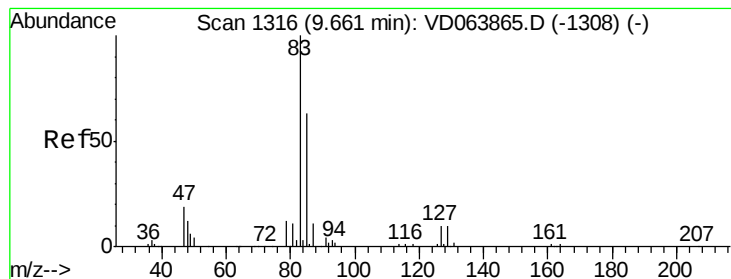
Tot Ion: 63 Resp: 39044
 Ion Ratio Lower Upper
 63 100
 65 40.3 27.3 40.9



#46
 Dibromomethane
 Concen: 18.629 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 93 Resp: 21129
 Ion Ratio Lower Upper
 93 100
 95 95.2 66.0 99.0
 174 112.0 83.4 125.0





#47

Bromodichloromethane

Concen: 18.829 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

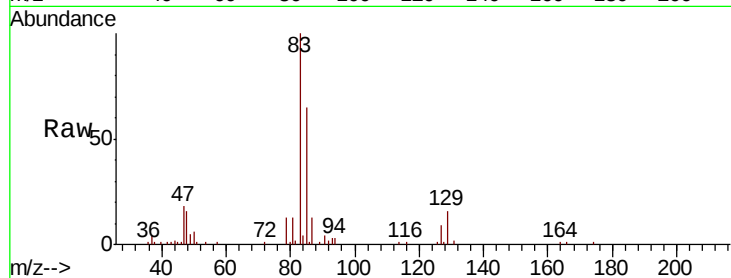
Tot Ion: 83 Resp: 54983

Ion Ratio Lower Upper

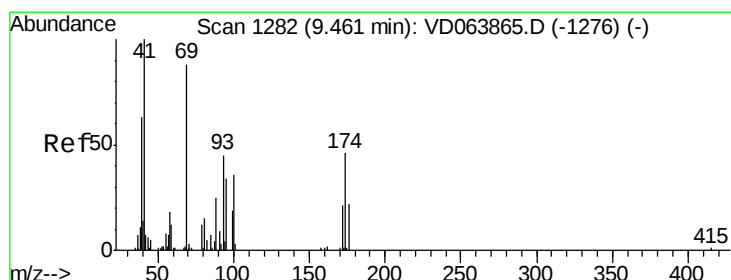
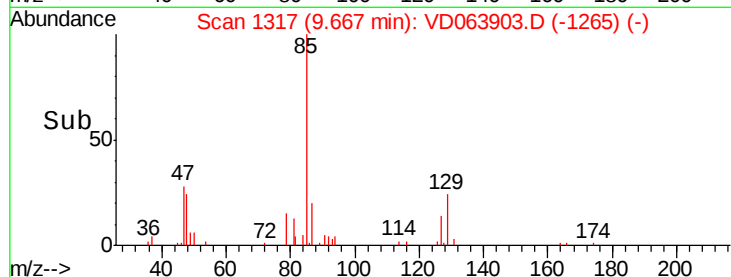
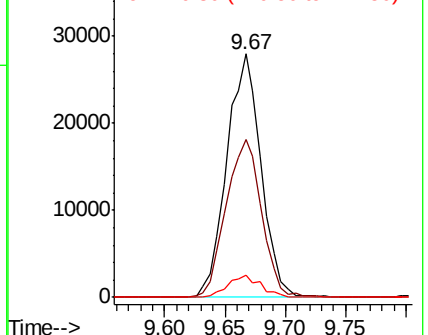
83 100

85 64.9 50.2 75.2

127 9.0 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: 17.417 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

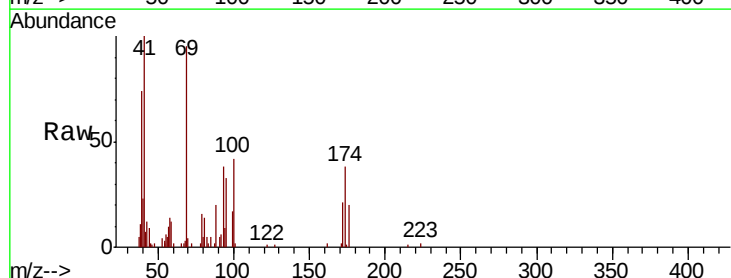
Tgt Ion: 41 Resp: 19870

Ion Ratio Lower Upper

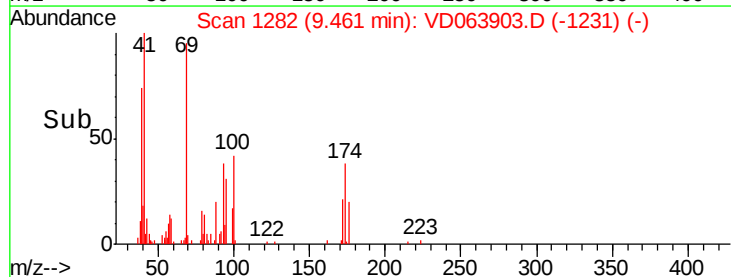
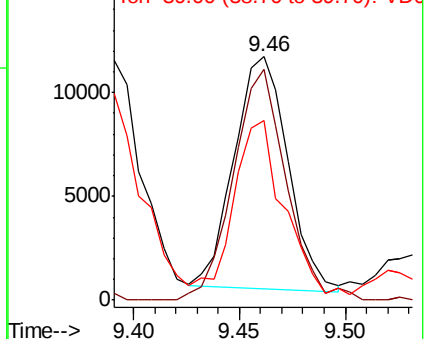
41 100

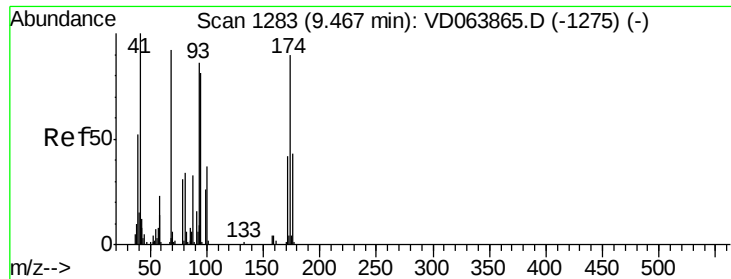
69 97.4 75.1 112.7

39 74.8 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

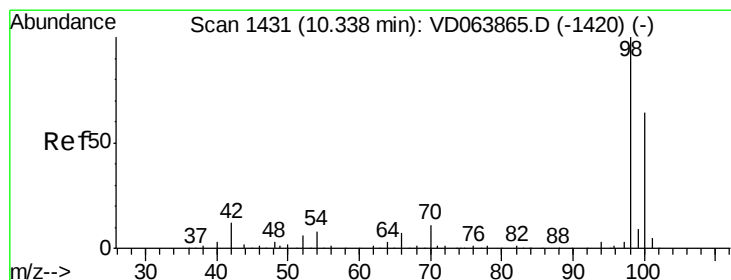
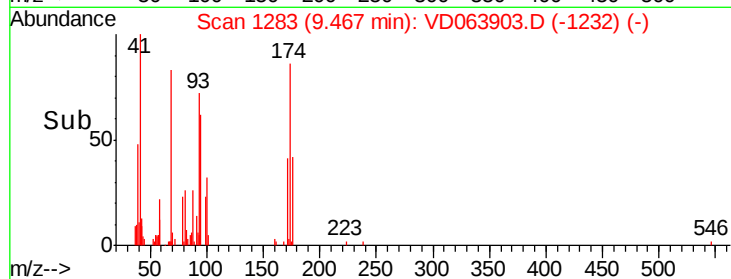
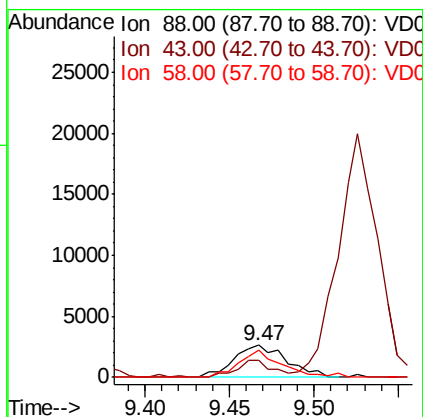
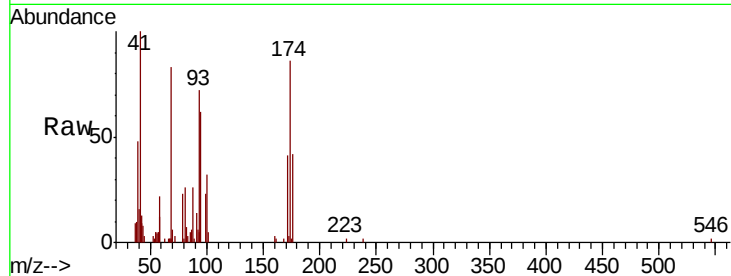




#49
1,4-Dioxane
Concen: 365.466 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

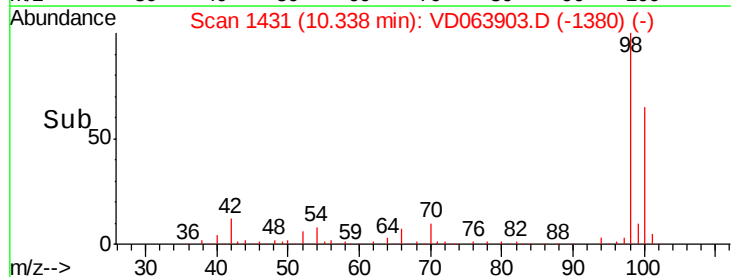
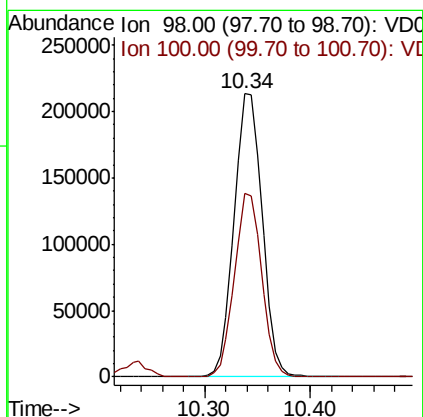
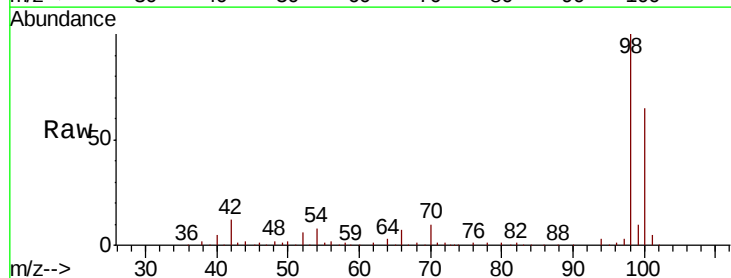
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 5658
Ion Ratio Lower Upper
88 100
43 37.0 27.6 41.4
58 69.2 54.1 81.1



#50
Toluene-d8
Concen: 51.189 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 98 Resp: 394290
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 95.030 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

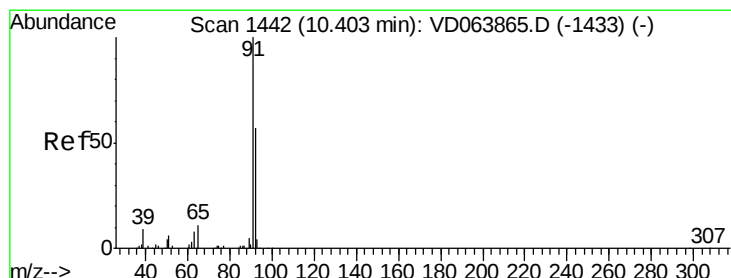
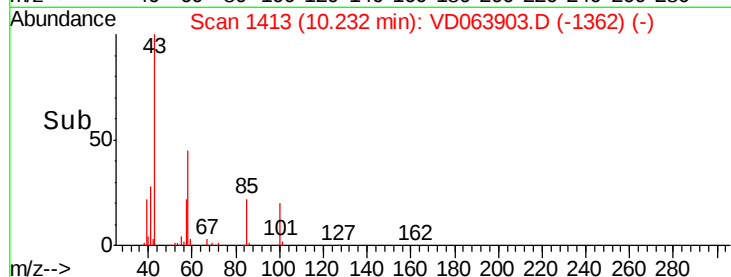
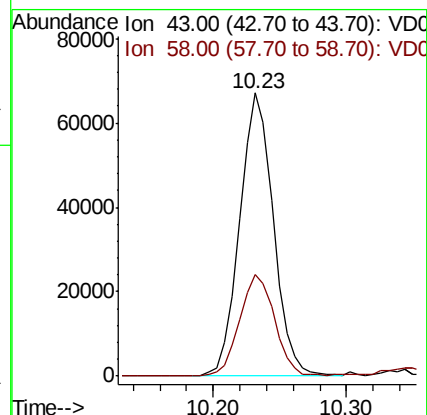
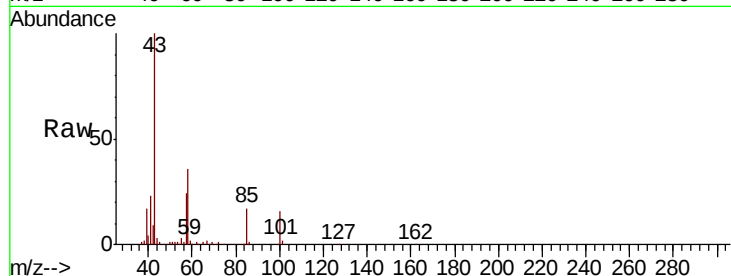
ClientSampleId :

Tot Ion: 43 Resp: 117351

Ion Ratio Lower Upper

43 100

58 37.2 33.0 49.4



#52

Toluene

Concen: 21.202 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063903.D

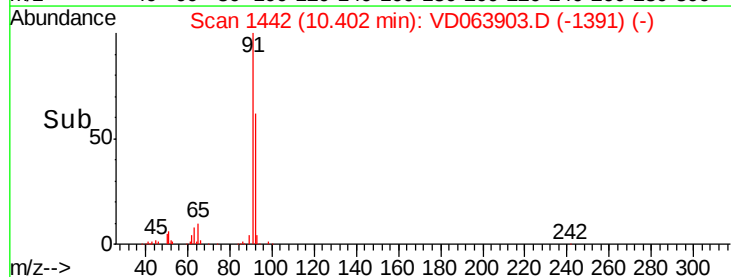
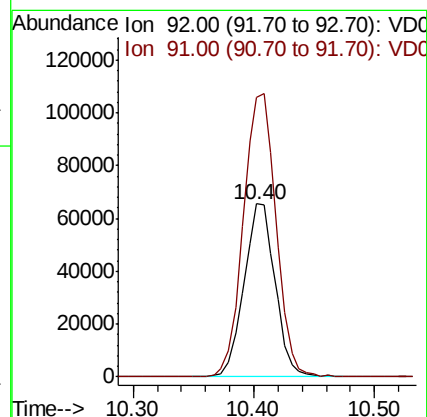
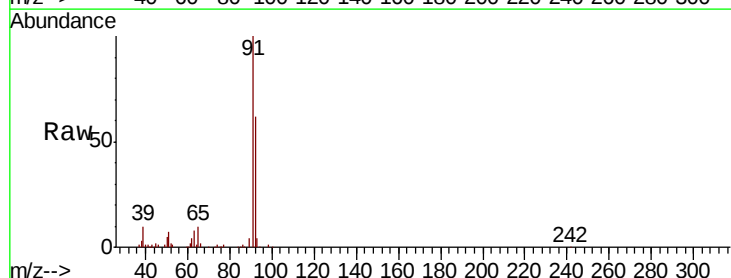
Acq: 10 Oct 2019 11:56

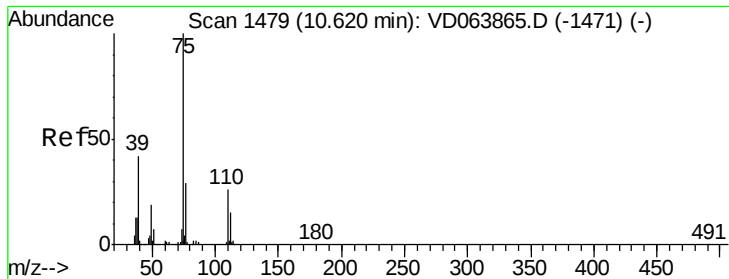
Tgt Ion: 92 Resp: 118422

Ion Ratio Lower Upper

92 100

91 171.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.670 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

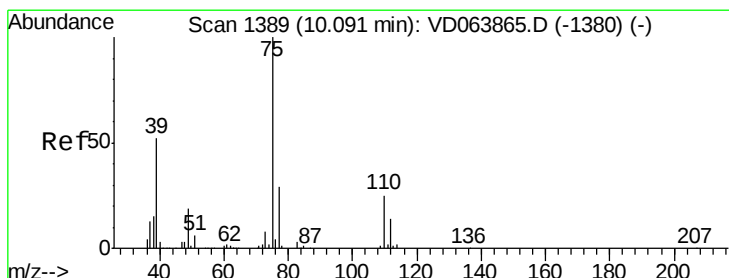
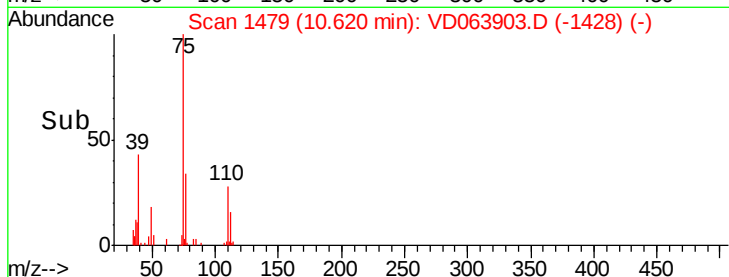
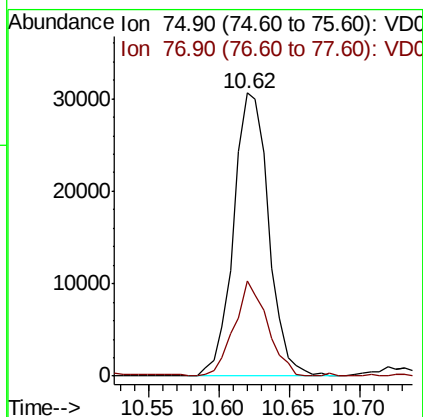
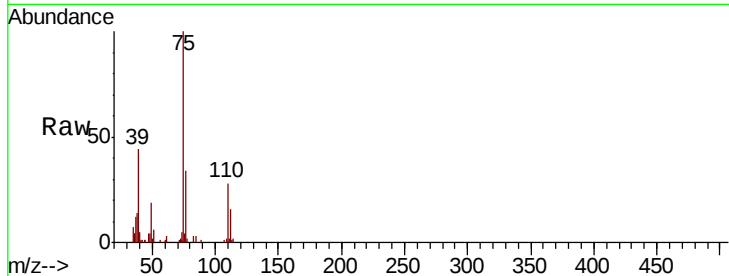
ClientSampleId :

Tot Ion: 75 Resp: 53199

Ion Ratio Lower Upper

75 100

77 33.5 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 20.278 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

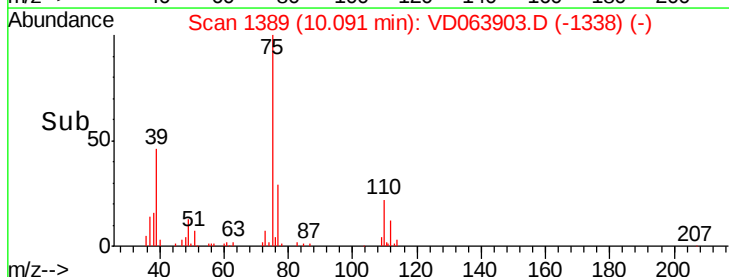
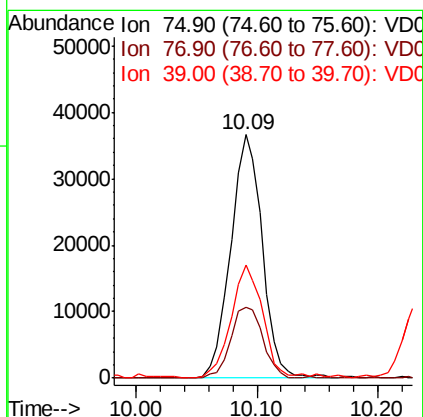
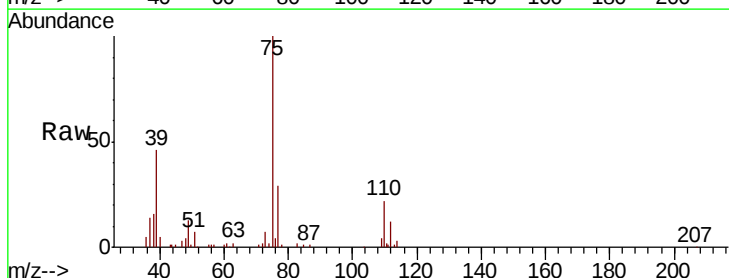
Tgt Ion: 75 Resp: 66514

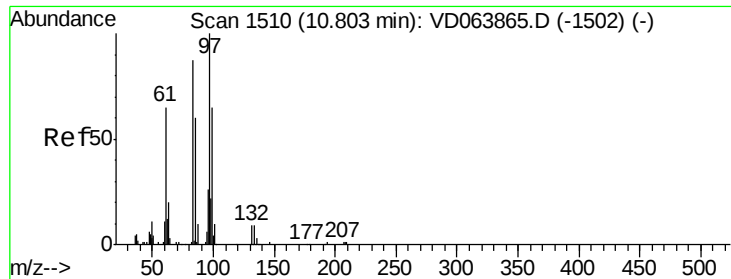
Ion Ratio Lower Upper

75 100

77 29.0 23.2 34.8

39 46.5 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.457 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 32760

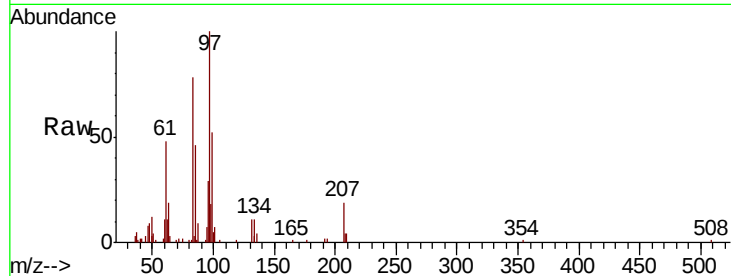
Ion	Ratio	Lower	Upper
97	100		
83	77.6	69.7	104.5
85	46.1	48.1	72.1#
99	52.0	51.9	77.9

97 100

83 77.6 69.7 104.5

85 46.1 48.1 72.1#

99 52.0 51.9 77.9



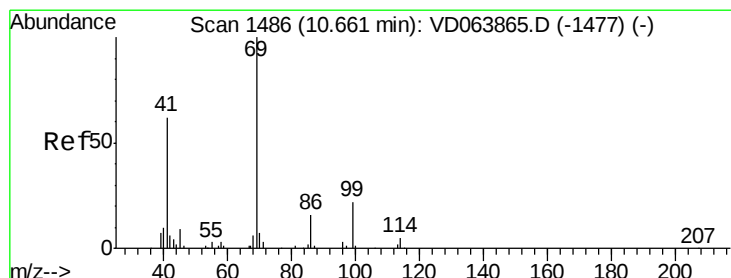
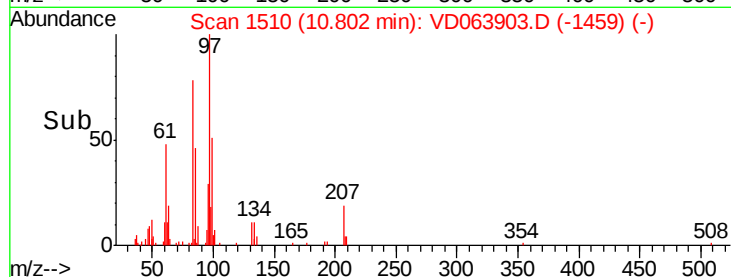
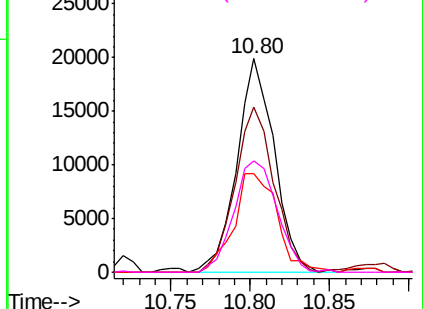
Abundance

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: 18.149 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

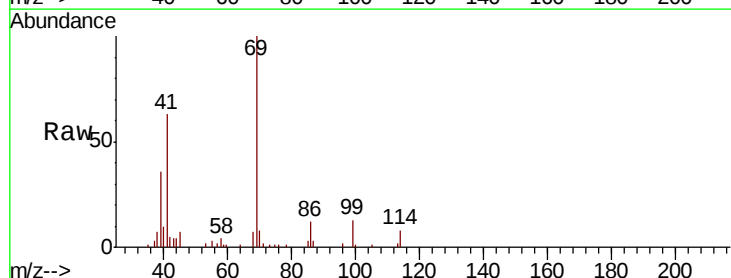
Tgt Ion: 69 Resp: 36805

Ion	Ratio	Lower	Upper
69	100		
41	69.5	51.3	76.9
39	40.5	28.0	42.0

69 100

41 69.5 51.3 76.9

39 40.5 28.0 42.0

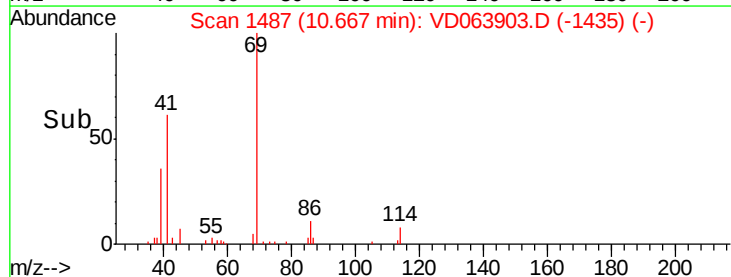
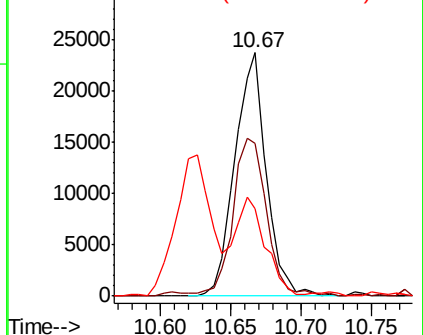


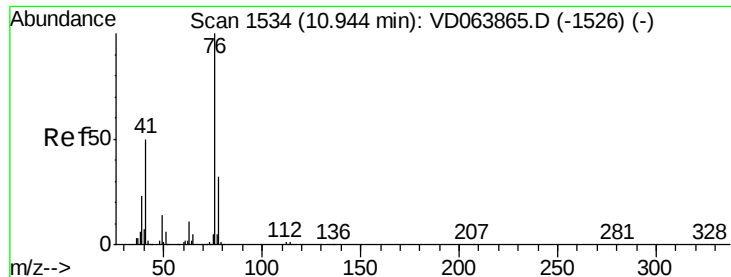
Abundance

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: 20.467 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

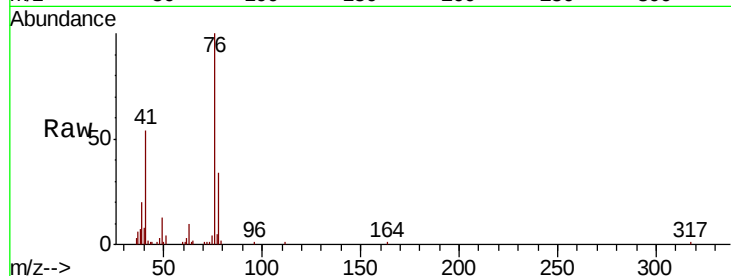
ClientSampleId :

Tot Ion: 76 Resp: 56079

Ion Ratio Lower Upper

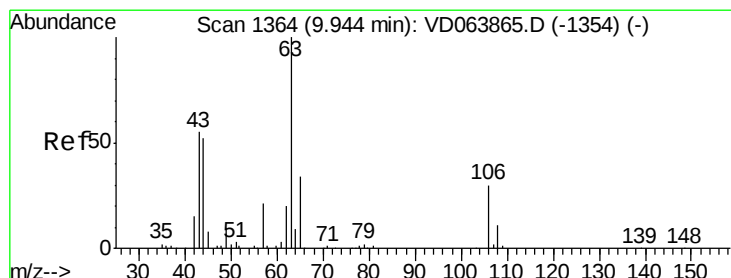
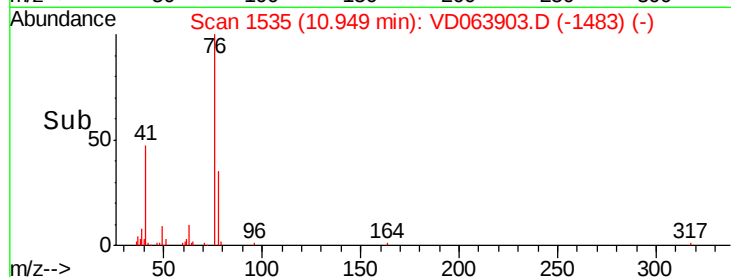
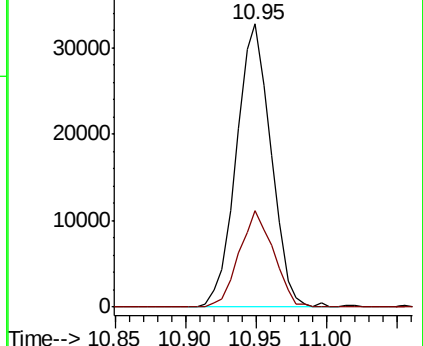
76 100

78 34.0 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: 87.955 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063903.D

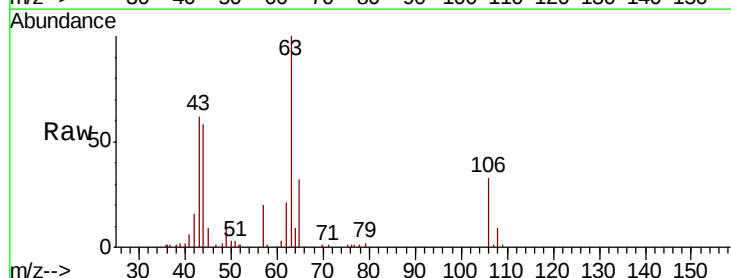
Acq: 10 Oct 2019 11:56

Tgt Ion: 63 Resp: 76670

Ion Ratio Lower Upper

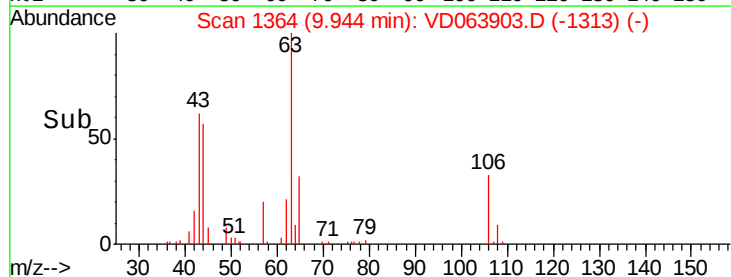
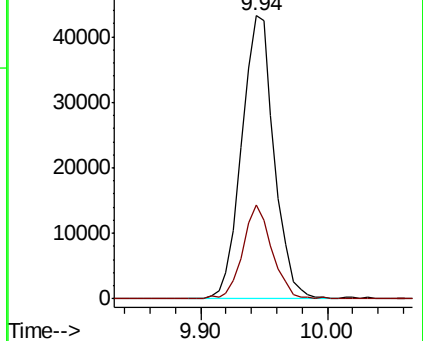
63 100

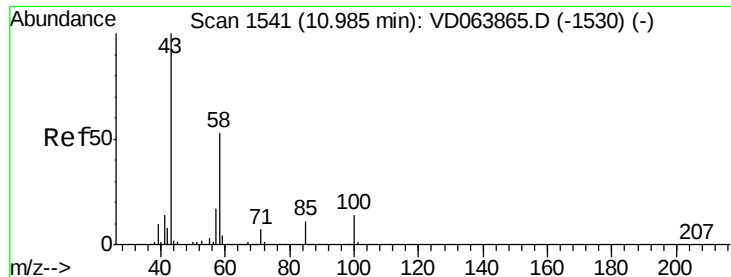
106 29.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

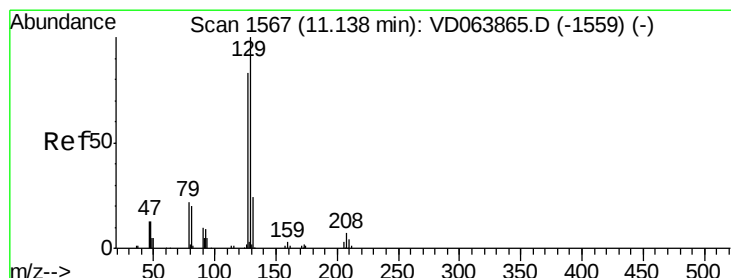
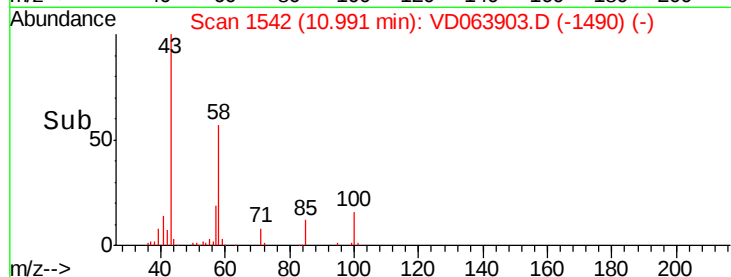
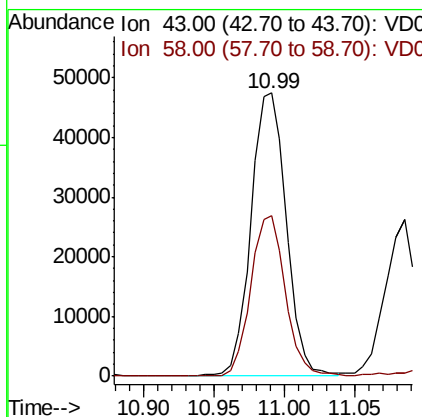
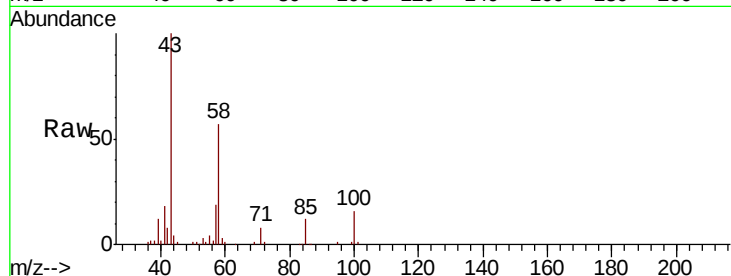




#59
2-Hexanone
Concen: 93.279 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

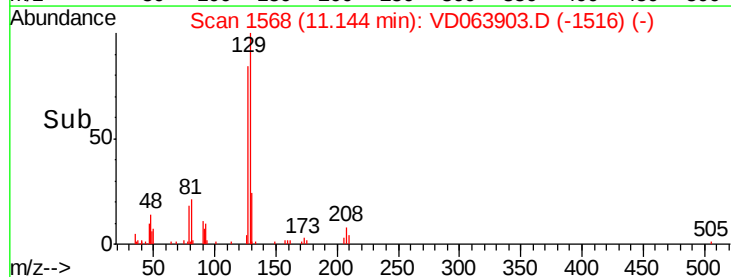
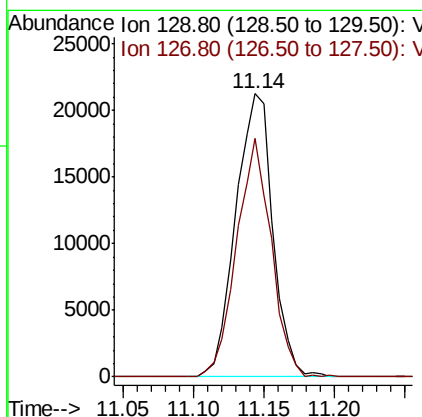
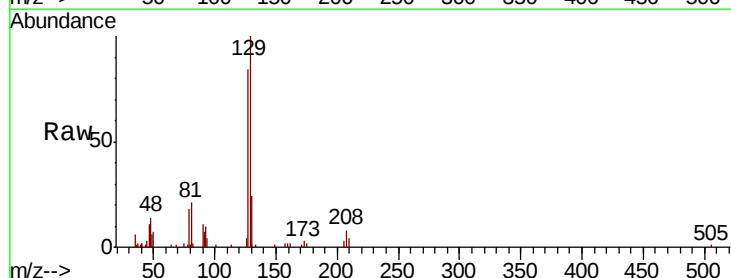
Instrument :
MSVOA_D
ClientSampleId :

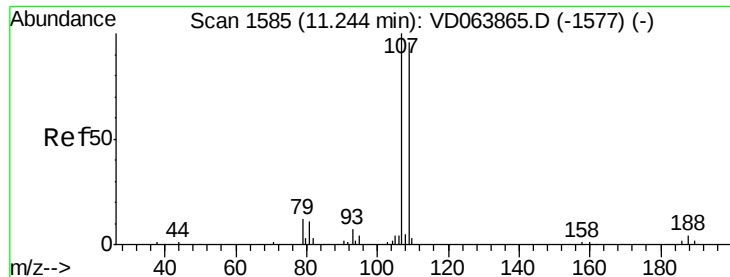
Tot Ion: 43 Resp: 83324
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.0



#60
Dibromochloromethane
Concen: 18.696 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 129 Resp: 38980
Ion Ratio Lower Upper
129 100
127 78.7 39.9 119.6

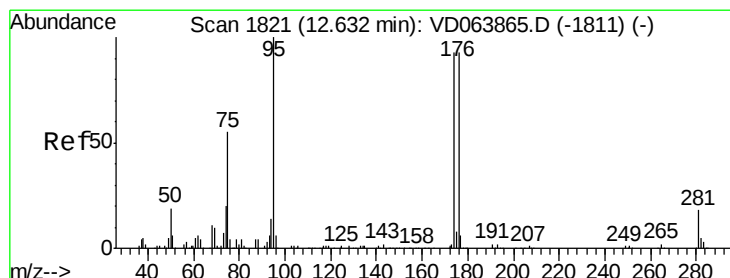
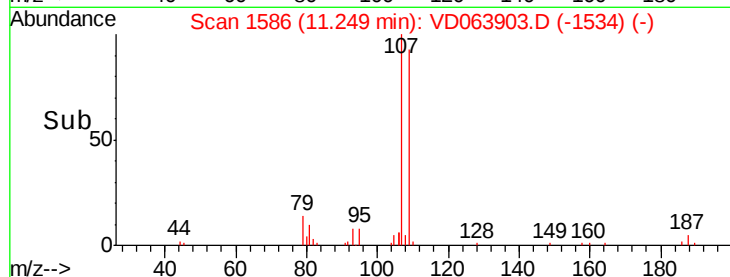
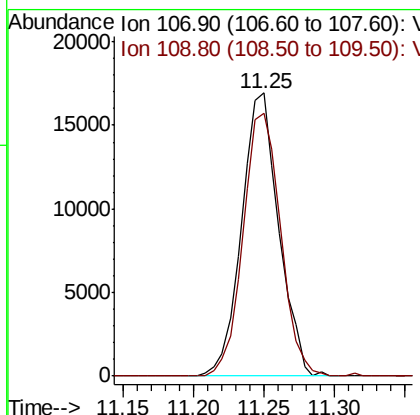
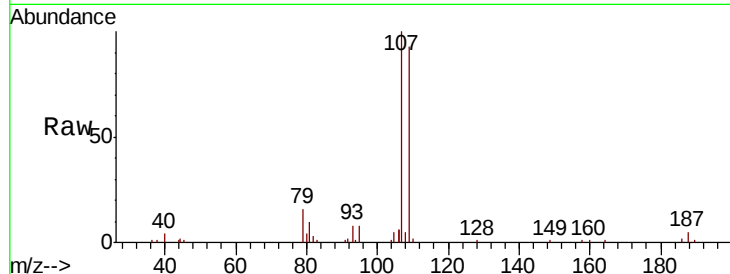




#61
 1,2-Dibromoethane
 Concen: 20.136 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

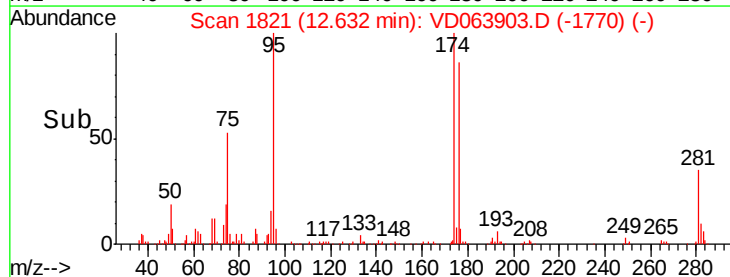
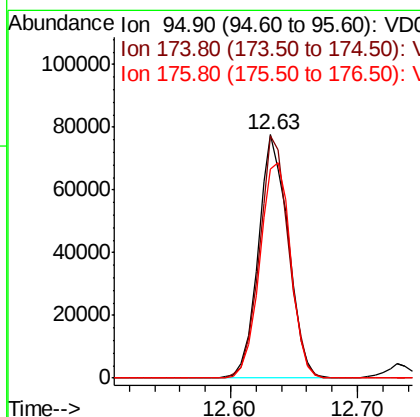
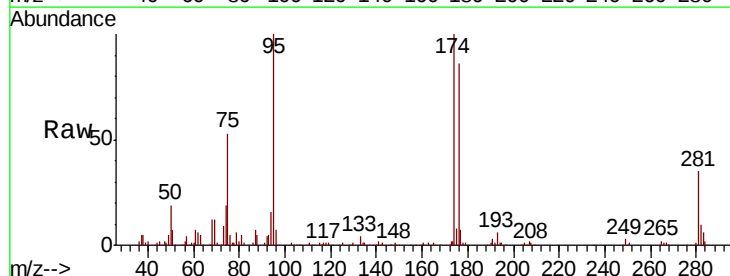
Instrument :
 MSVOA_D
 ClientSampleId :

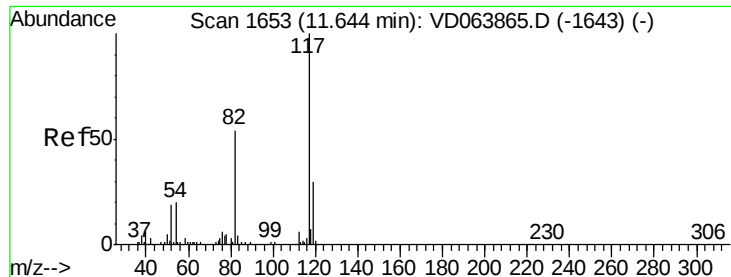
Tot Ion: 107 Resp: 31261
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.742 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 95 Resp: 127789
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 186.4
 176 91.1 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: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

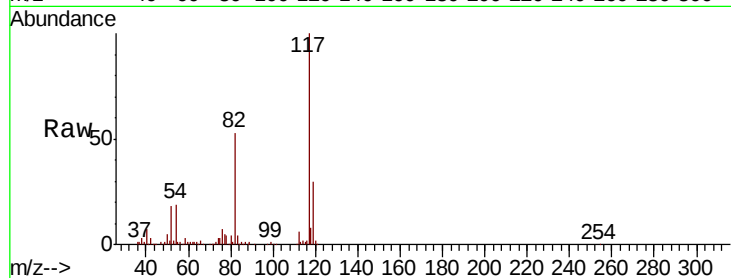
Tot Ion:117 Resp: 299692

Ion Ratio Lower Upper

117 100

82 52.7 42.8 64.2

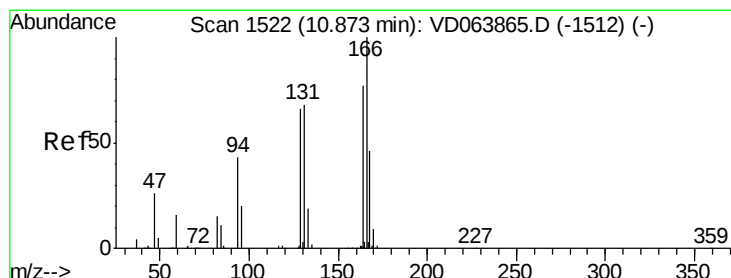
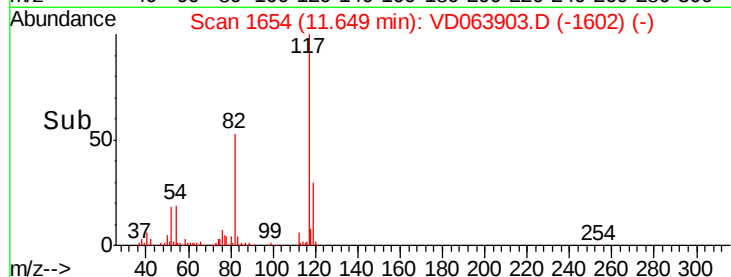
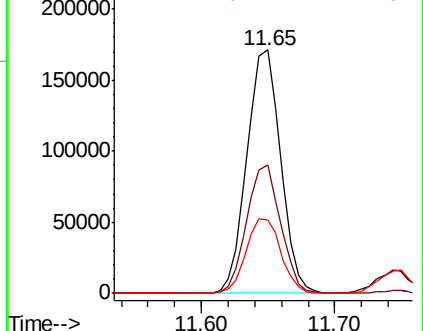
119 30.2 24.4 36.6



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: 21.425 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:164 Resp: 43834

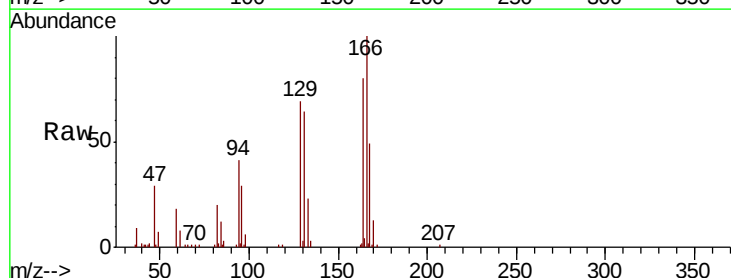
Ion Ratio Lower Upper

164 100

166 124.4 103.8 155.6

129 85.3 68.9 103.3

131 79.6 70.9 106.3

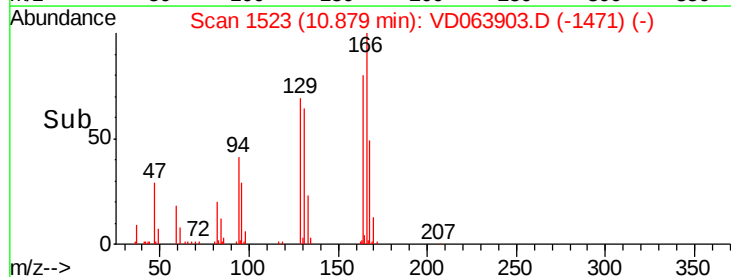
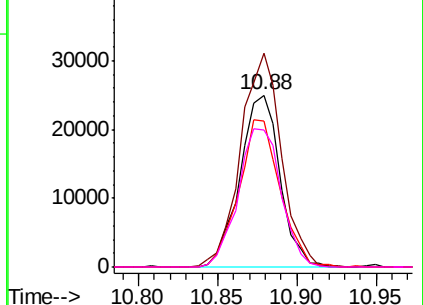


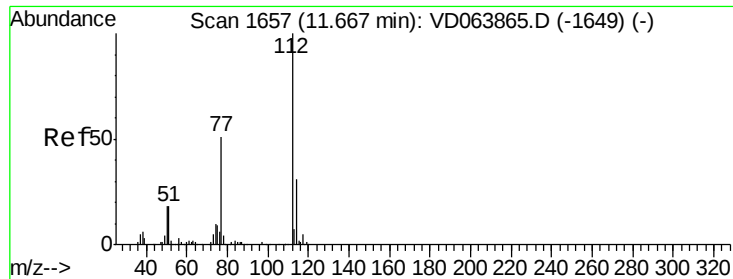
Abundance Ion 163.80 (163.50 to 164.50): V

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

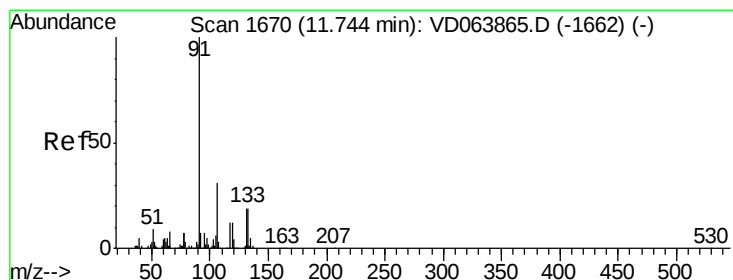
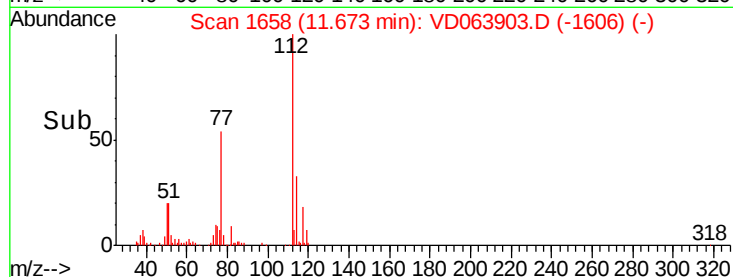
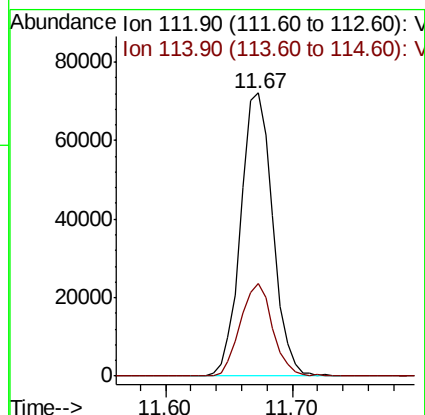
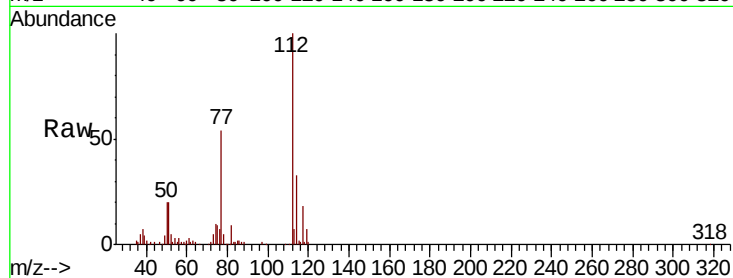




#65
Chlorobenzene
Concen: 21.010 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

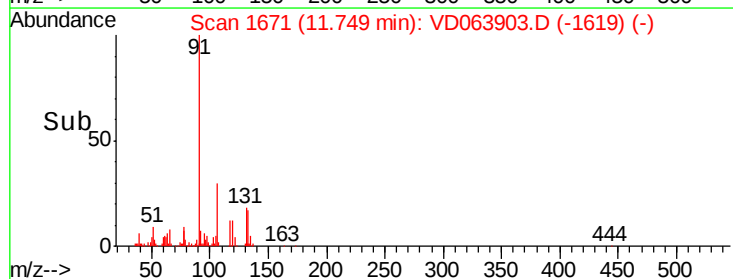
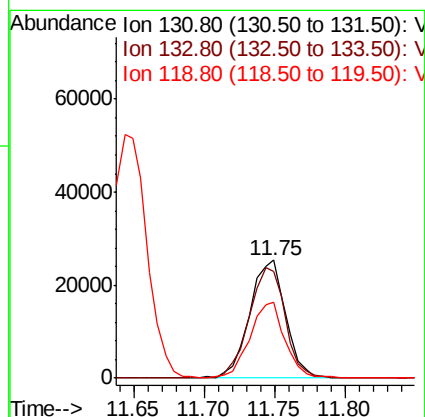
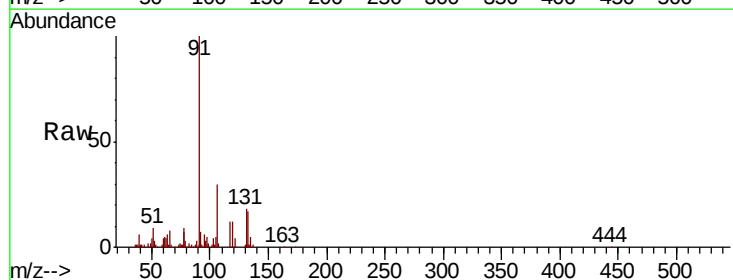
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 126453
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.435 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion:131 Resp: 45320
Ion Ratio Lower Upper
131 100
133 94.1 48.9 146.7
119 62.7 32.6 97.8





#67

Ethyl Benzene

Concen: 20.997 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

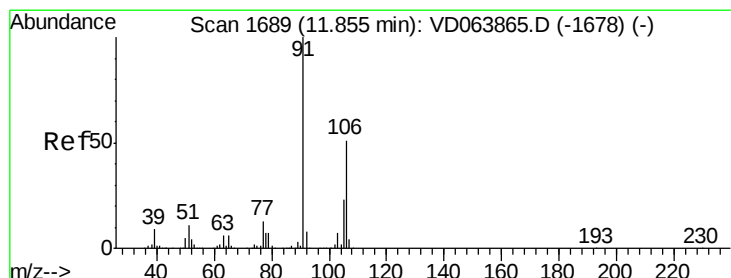
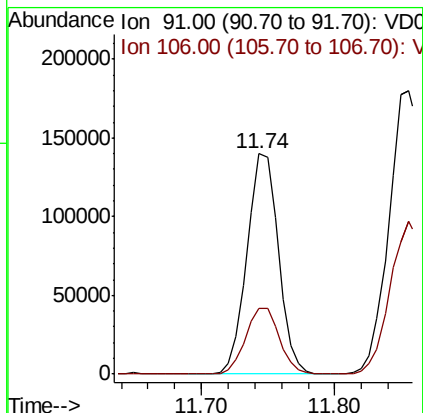
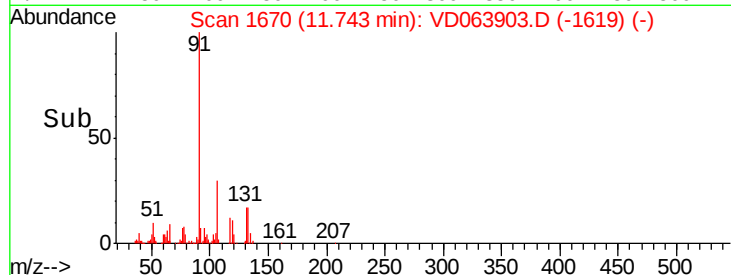
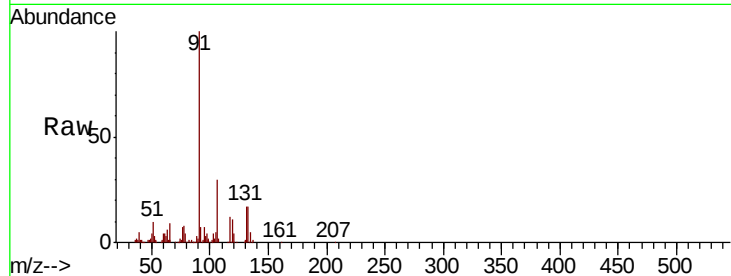
ClientSampled :

Tot Ion: 91 Resp: 227877

Ion Ratio Lower Upper

91 100

106 30.1 24.6 37.0



#68

m/p-Xylenes

Concen: 43.513 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063903.D

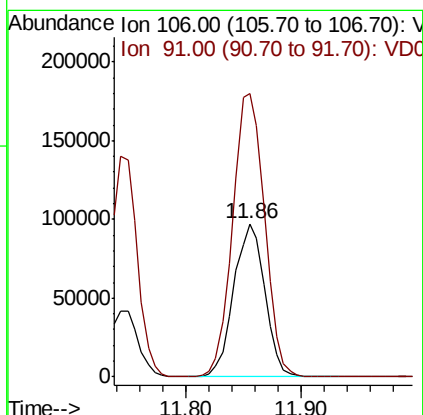
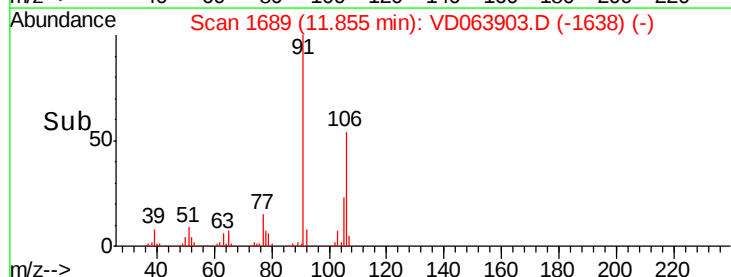
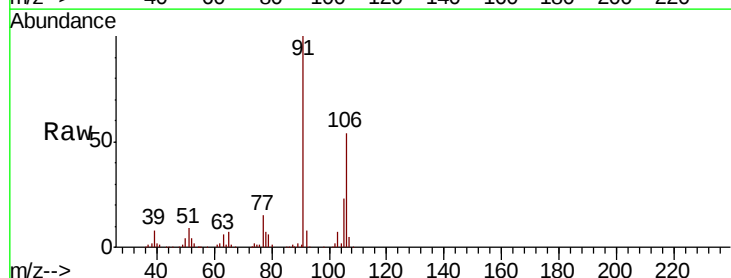
Acq: 10 Oct 2019 11:56

Tgt Ion: 106 Resp: 182272

Ion Ratio Lower Upper

106 100

91 189.1 154.8 232.2

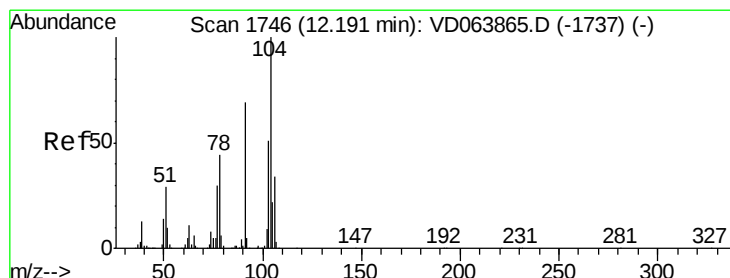
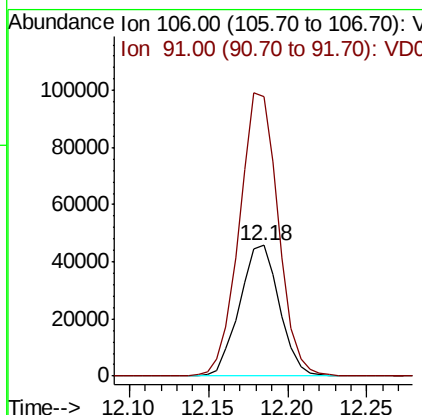
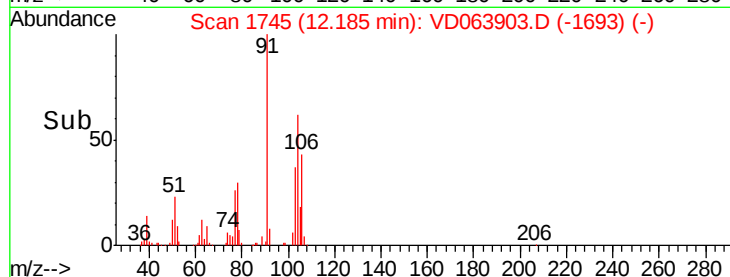
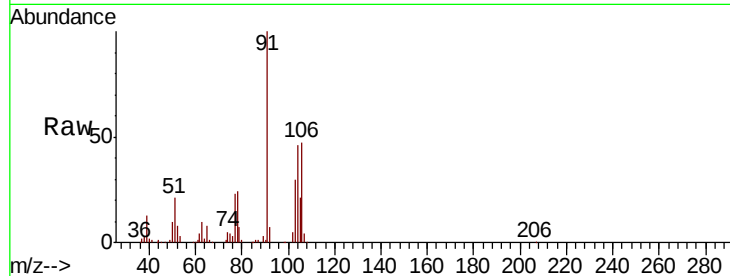




#69
o-Xylene
Concen: 19.918 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

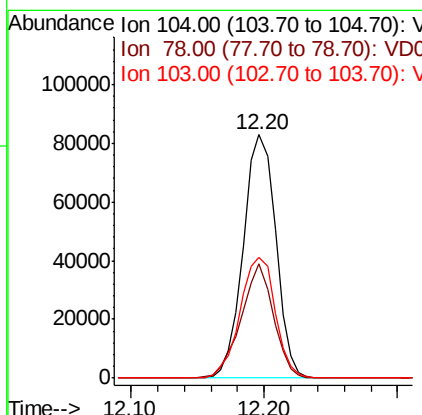
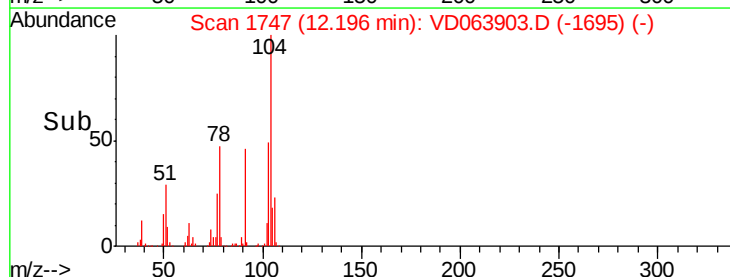
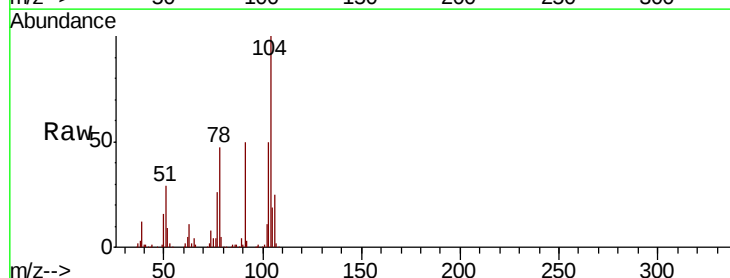
Instrument :
MSVOA_D
ClientSampled :

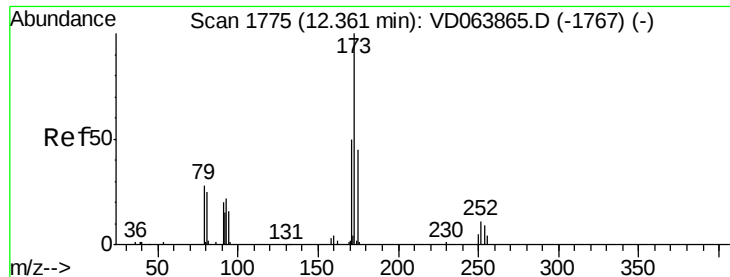
Tot Ion:106 Resp: 79892
Ion Ratio Lower Upper
106 100
91 211.9 103.9 311.7



#70
Styrene
Concen: 20.592 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion:104 Resp: 139824
Ion Ratio Lower Upper
104 100
78 46.9 37.0 55.4
103 53.8 44.2 66.4





#71

Bromoform

Concen: 18.611 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

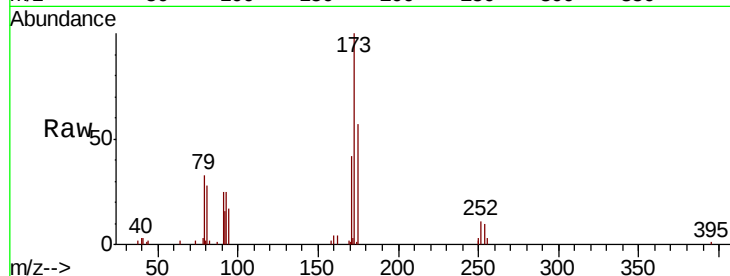
Tot Ion:173 Resp: 22151

Ion Ratio Lower Upper

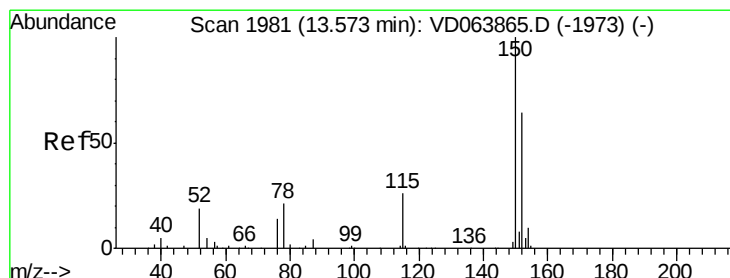
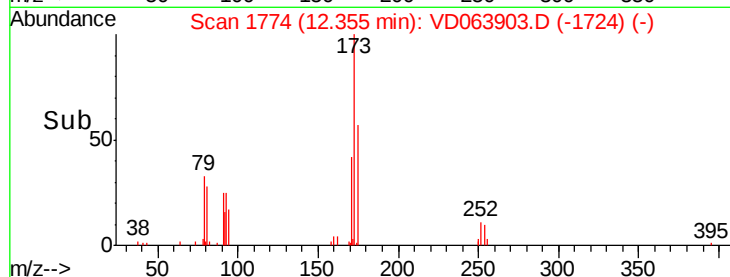
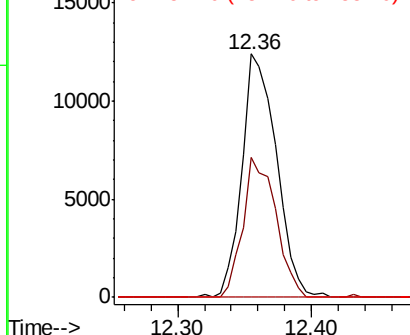
173 100

175 54.5 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: VD063903.D

Acq: 10 Oct 2019 11:56

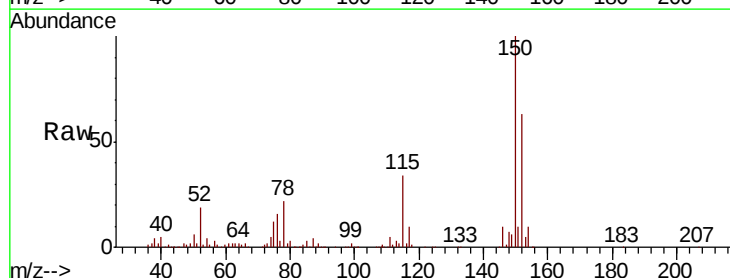
Tgt Ion:152 Resp: 158227

Ion Ratio Lower Upper

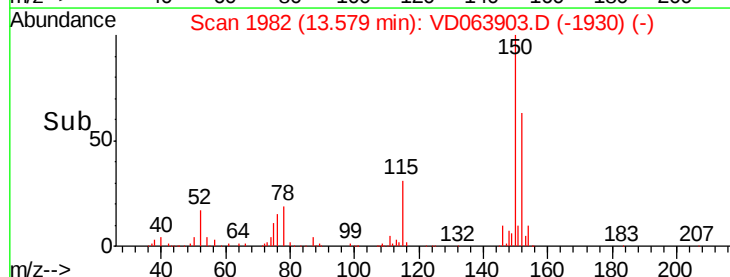
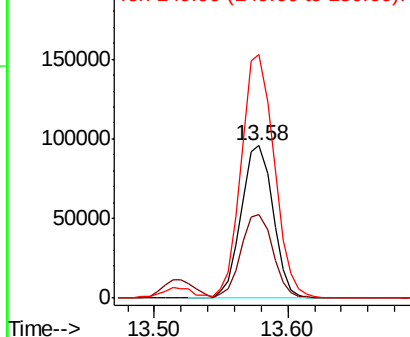
152 100

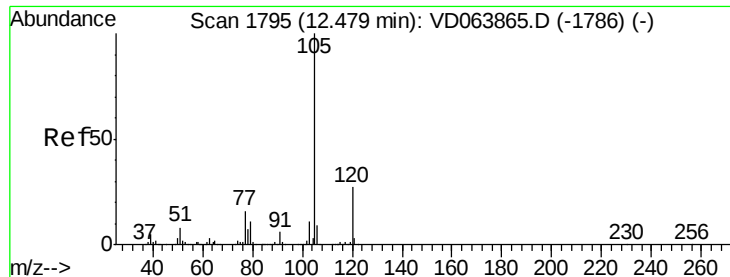
115 55.4 25.9 77.7

150 165.1 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: 21.039 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

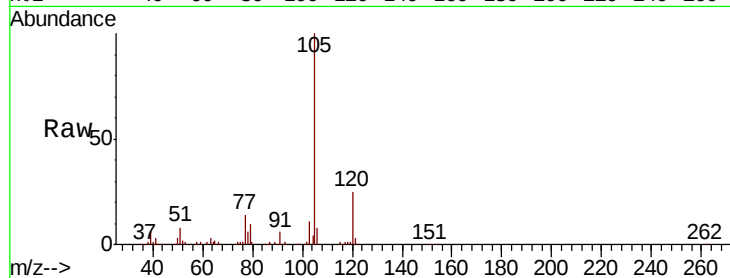
ClientSampleId :

Tot Ion:105 Resp: 223793

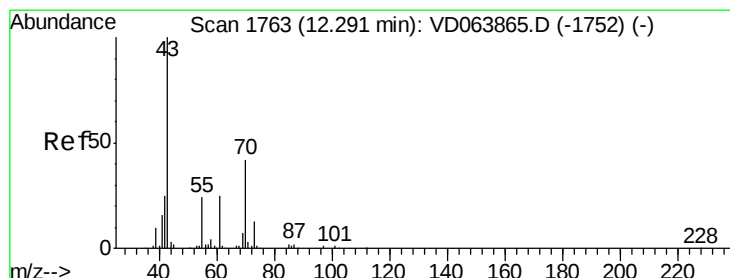
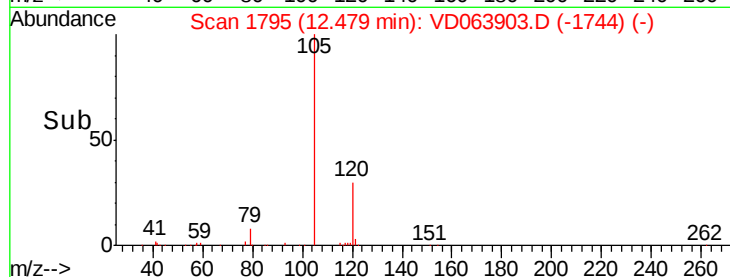
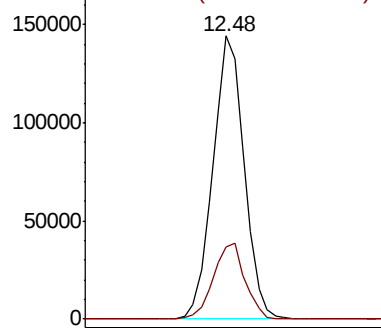
Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 18.334 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion: 43 Resp: 41986

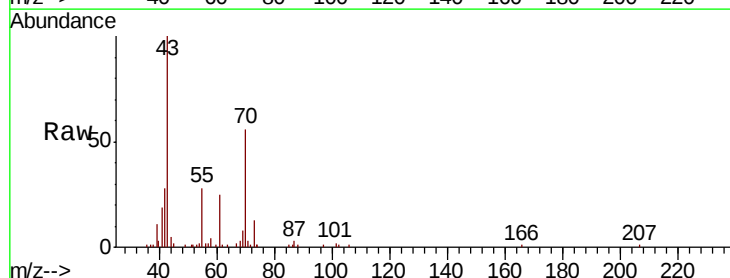
Ion Ratio Lower Upper

43 100

70 48.1 35.8 53.6

55 25.8 19.4 29.0

61 25.6 20.4 30.6

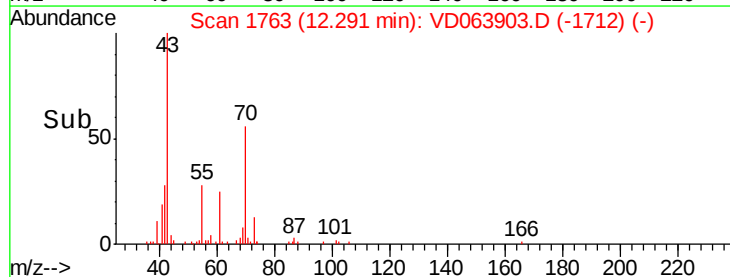
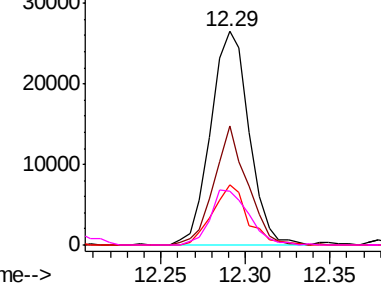


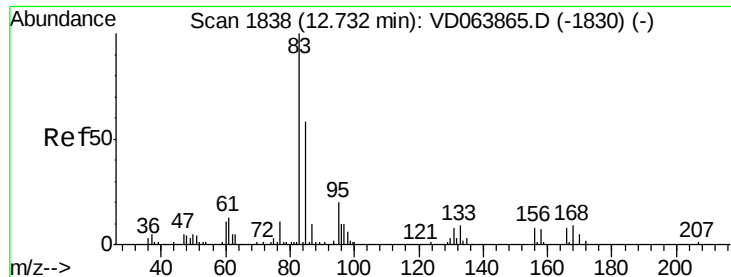
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.431 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampled :

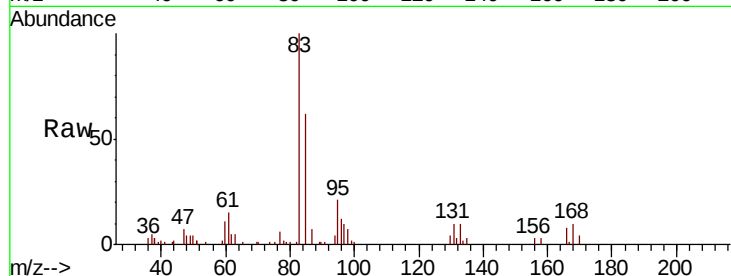
Tot Ion: 83 Resp: 35966

Ion Ratio Lower Upper

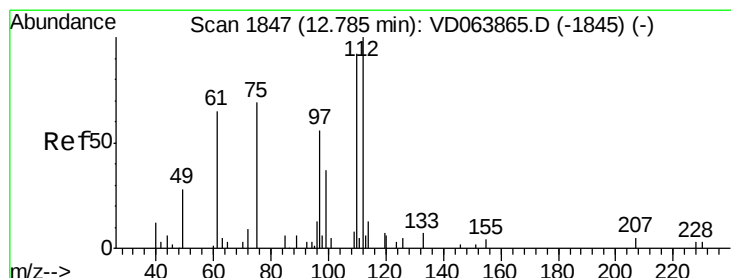
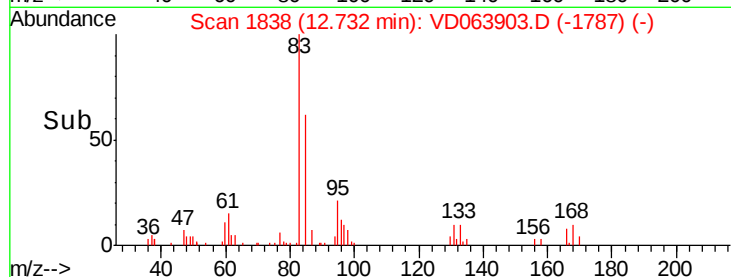
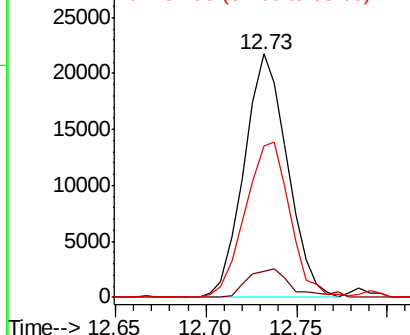
83 100

131 11.8 5.6 16.8

85 66.1 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: 44.361 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063903.D

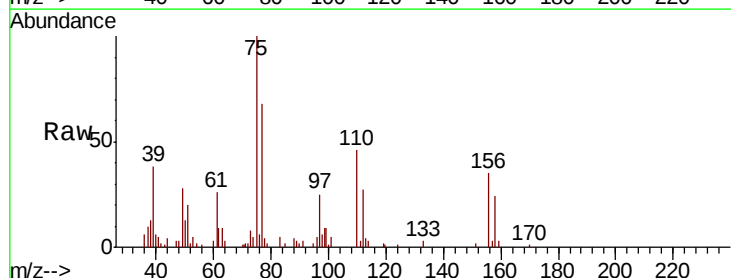
Acq: 10 Oct 2019 11:56

Tgt Ion: 75 Resp: 47012

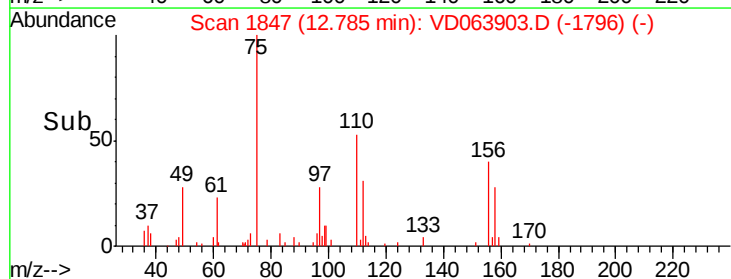
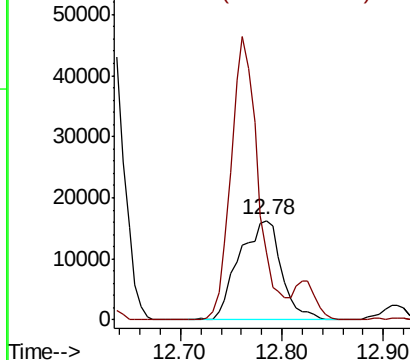
Ion Ratio Lower Upper

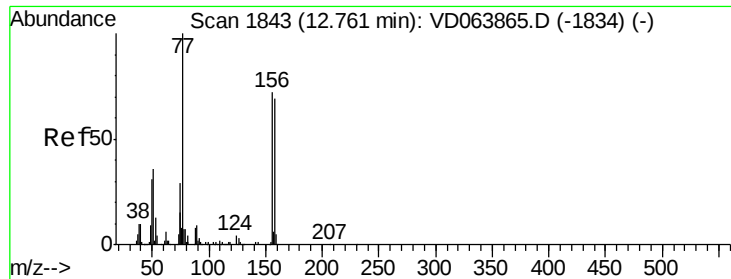
75 100

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: 20.365 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

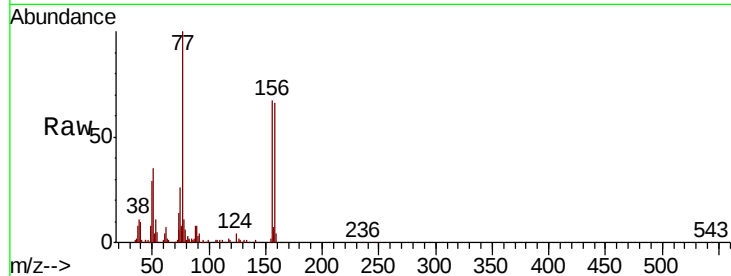
Tot Ion:156 Resp: 53970

Ion Ratio Lower Upper

156 100

77 161.8 80.3 241.0

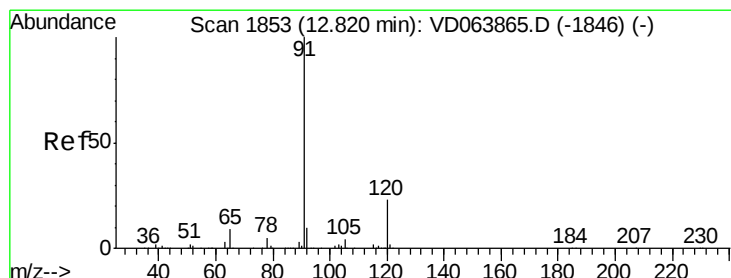
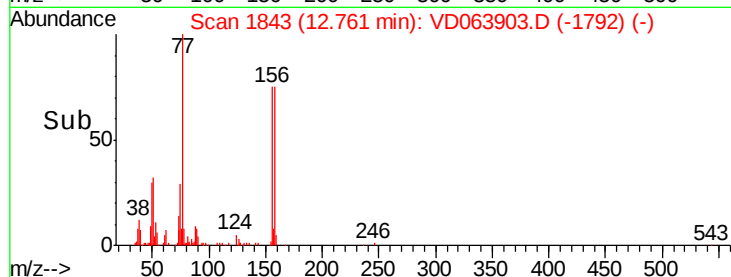
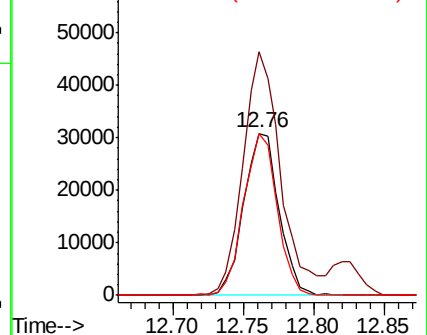
158 94.8 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.130 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063903.D

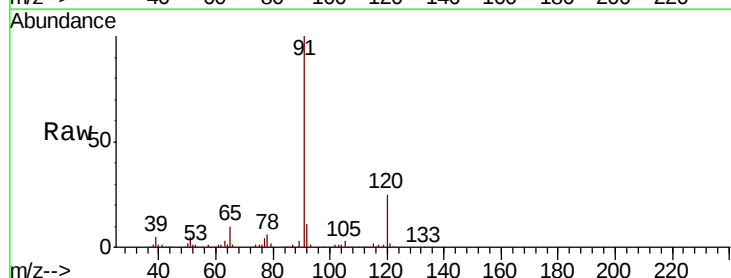
Acq: 10 Oct 2019 11:56

Tgt Ion: 91 Resp: 276300

Ion Ratio Lower Upper

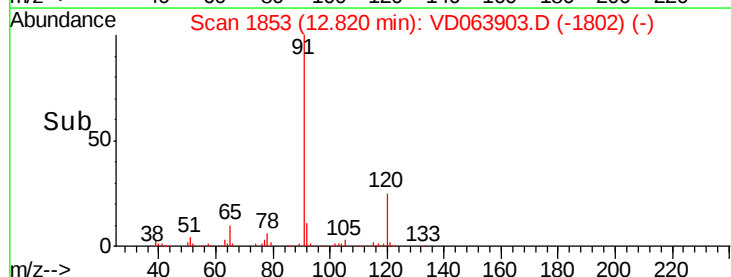
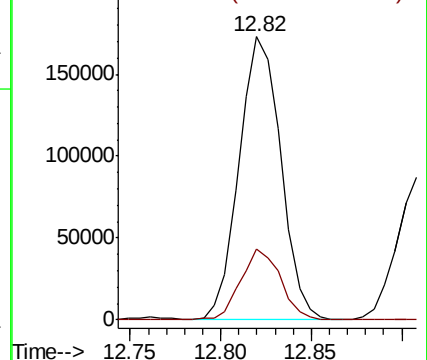
91 100

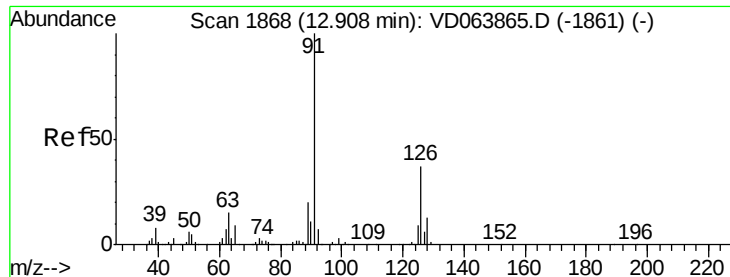
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

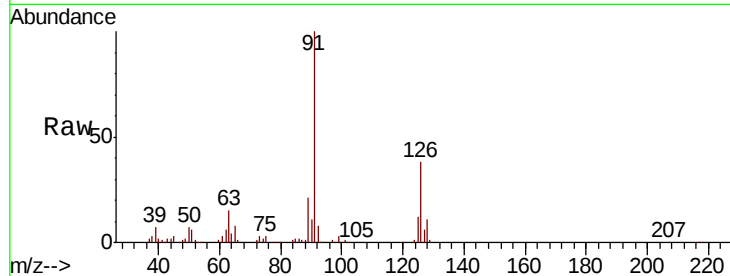




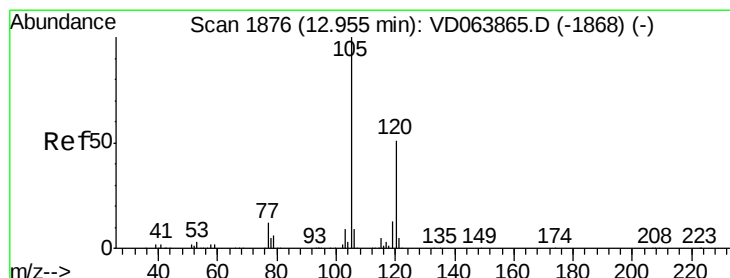
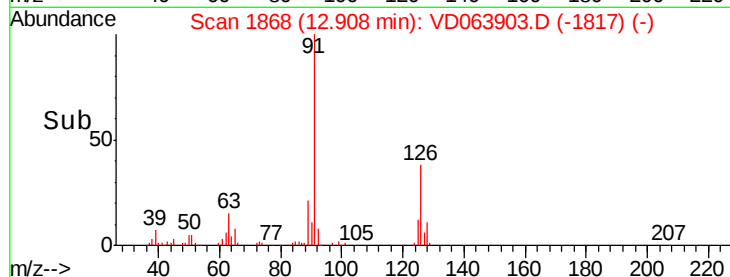
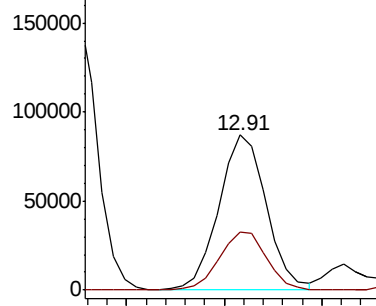
#79
 2-Chlorotoluene
 Concen: 21.169 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 145737
 Ion Ratio Lower Upper
 91 100
 126 37.8 18.4 55.2

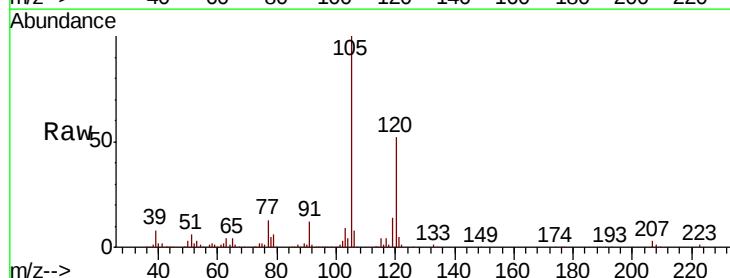


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

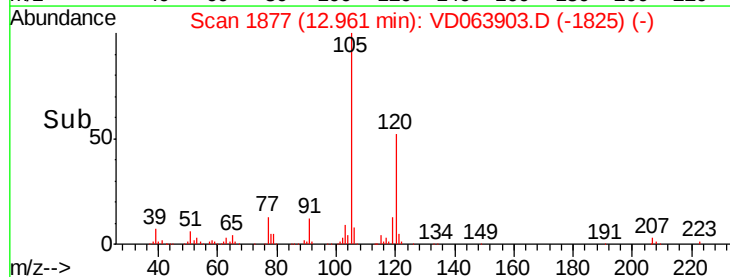
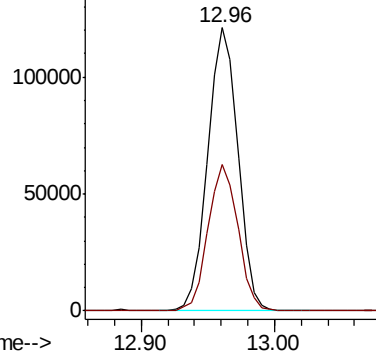


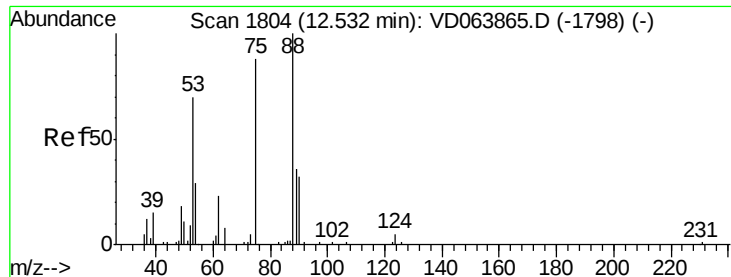
#80
 1,3,5-Trimethylbenzene
 Concen: 21.366 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion: 105 Resp: 189605
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.9 77.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.877 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

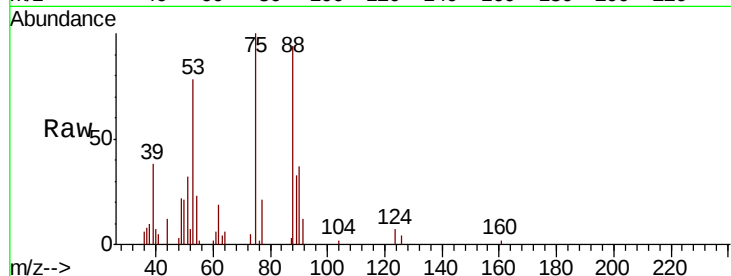
Tot Ion: 75 Resp: 11904

Ion Ratio Lower Upper

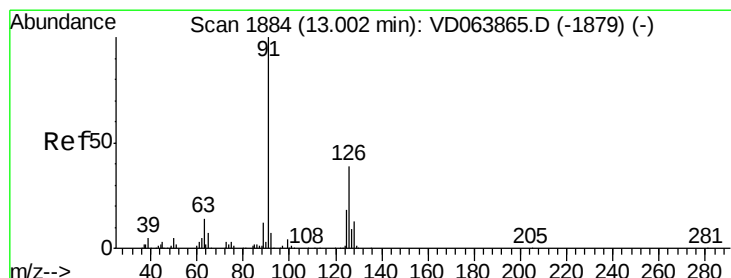
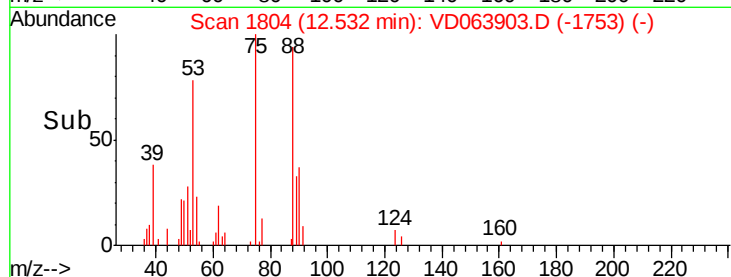
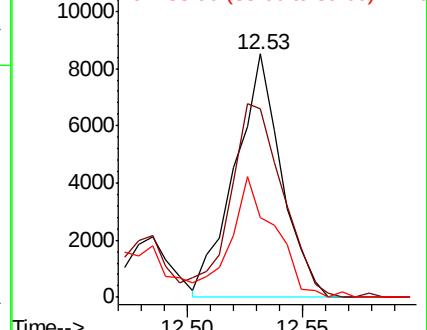
75 100

53 91.2 75.0 112.6

89 47.4 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: 20.695 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063903.D

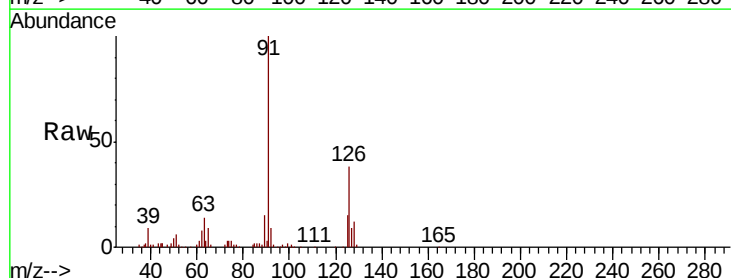
Acq: 10 Oct 2019 11:56

Tgt Ion: 91 Resp: 151140

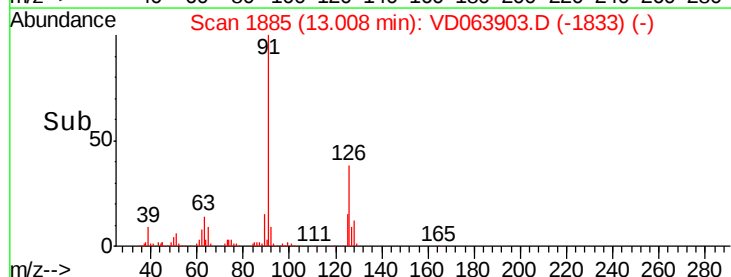
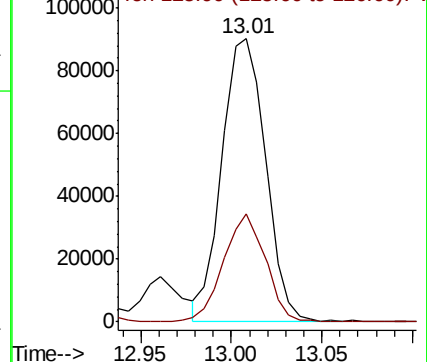
Ion Ratio Lower Upper

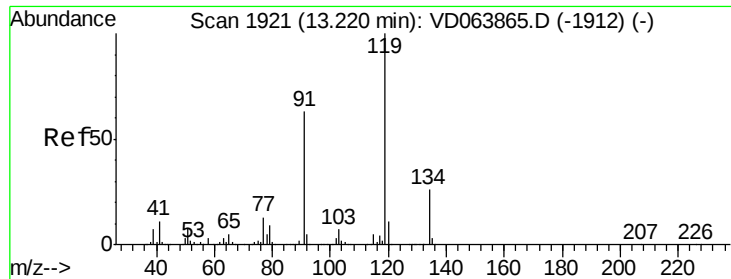
91 100

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

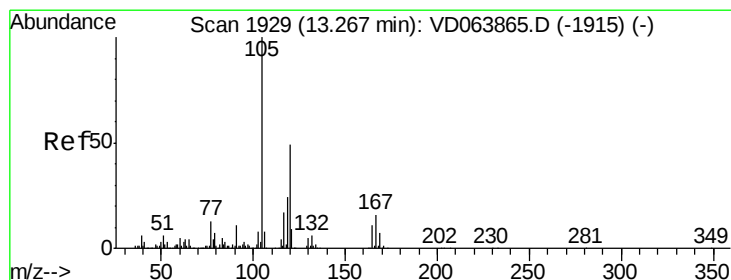
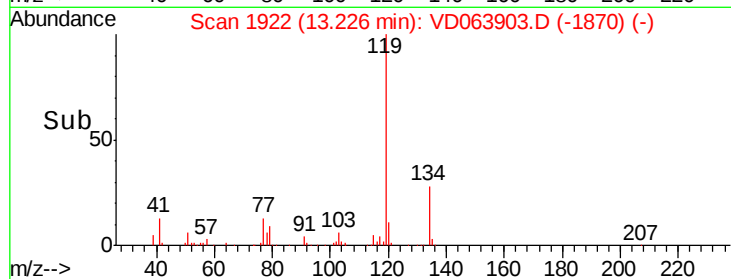
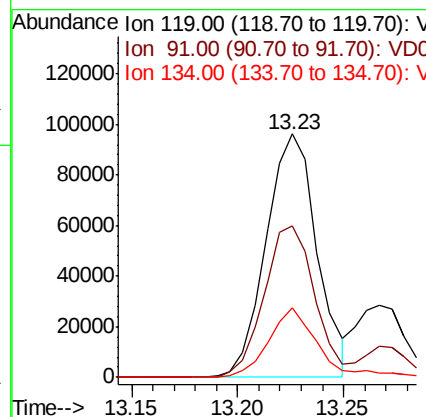
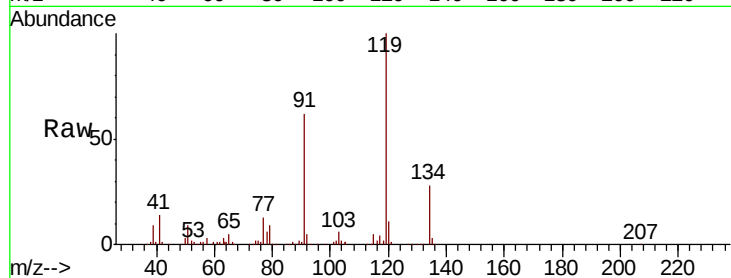




#83
tert-Butylbenzene
Concen: 20.451 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

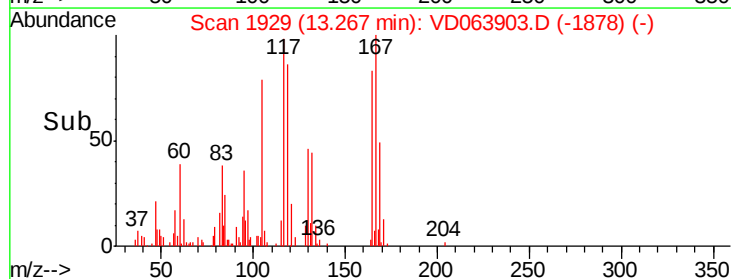
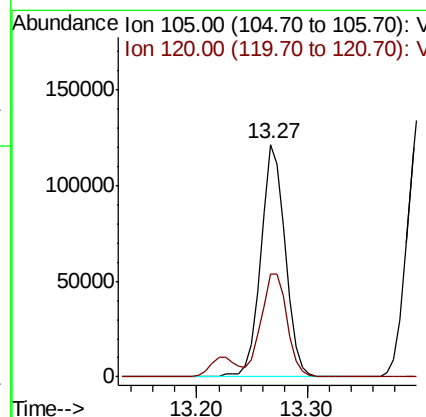
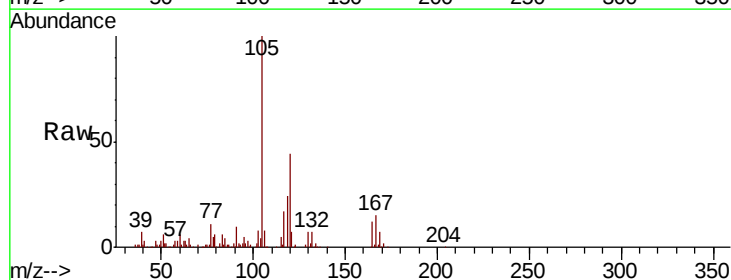
Instrument :
MSVOA_D
ClientSampleId :

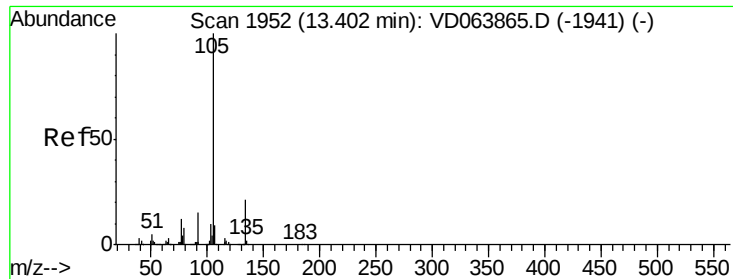
Tot Ion:119 Resp: 161515
Ion Ratio Lower Upper
119 100
91 62.7 30.0 90.0
134 28.0 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.597 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion:105 Resp: 188435
Ion Ratio Lower Upper
105 100
120 46.9 23.8 71.5





#85

sec-Butylbenzene

Concen: 21.721 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

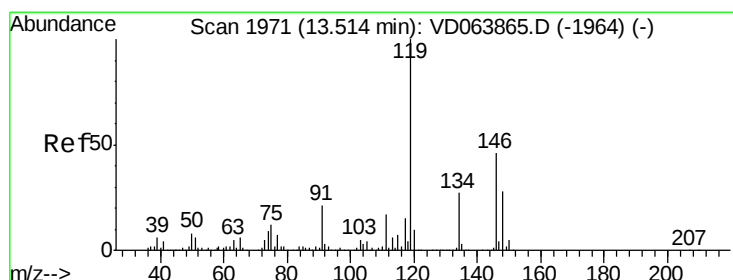
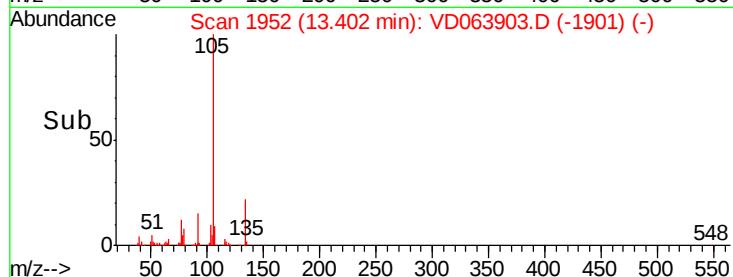
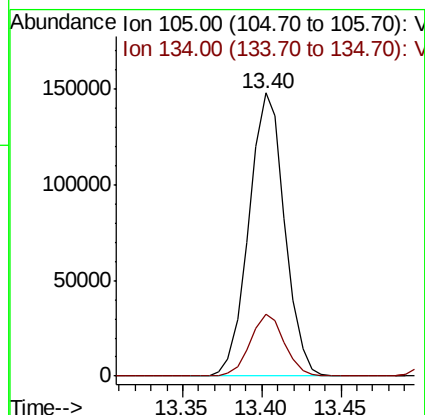
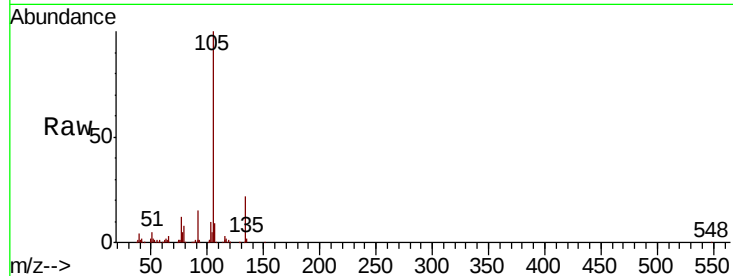
ClientSampleId :

Tot Ion:105 Resp: 231672

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



#86

p-Isopropyltoluene

Concen: 21.388 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

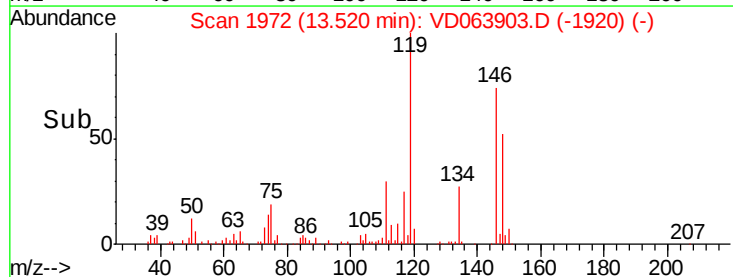
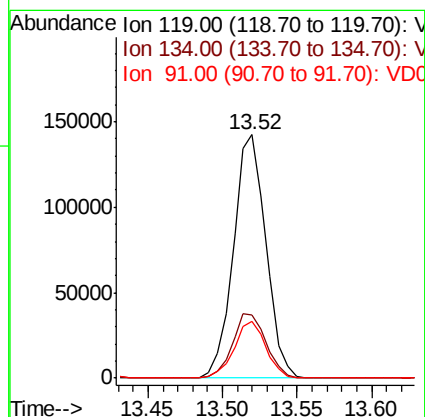
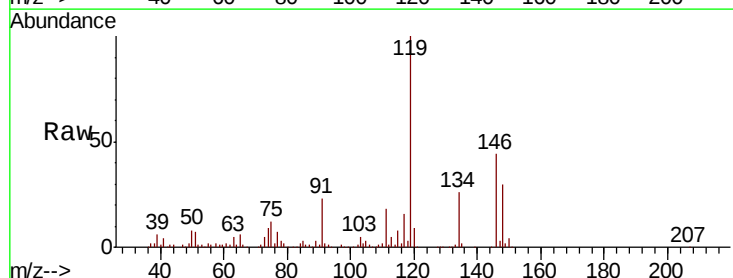
Tgt Ion:119 Resp: 215858

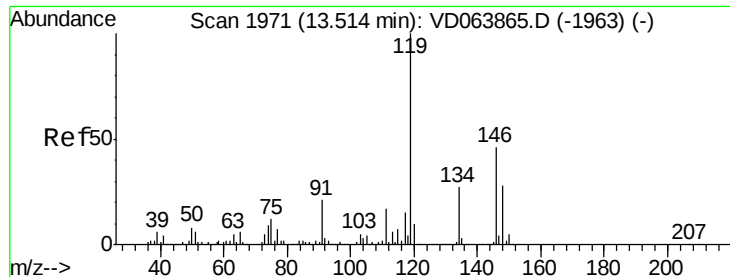
Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 22.7 11.2 33.5

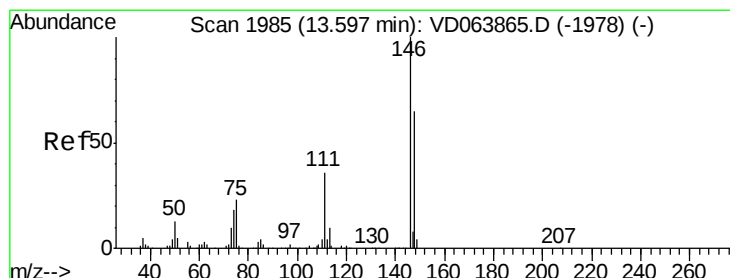
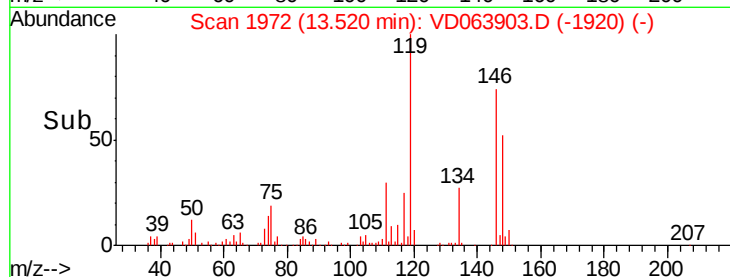
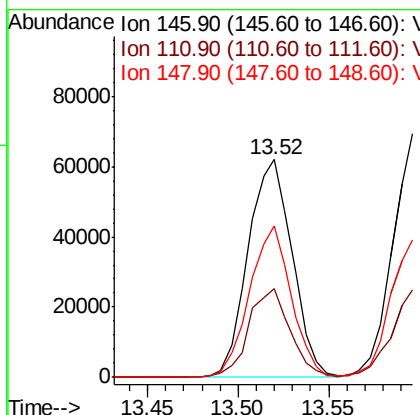
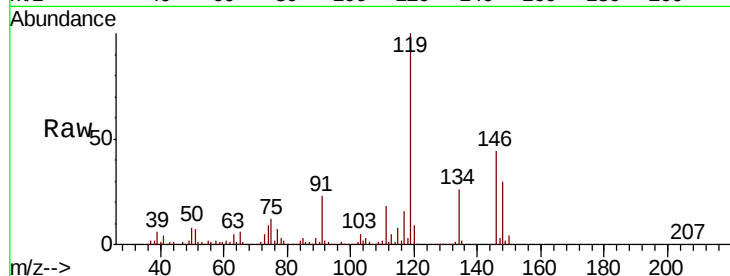




#87
 1,3-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

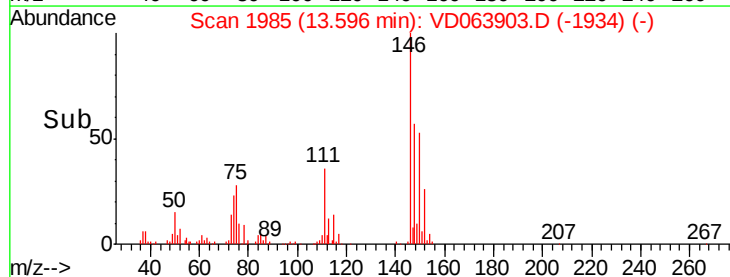
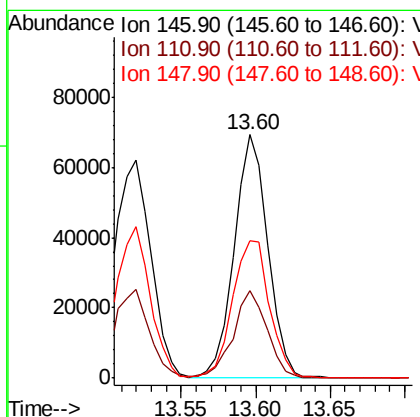
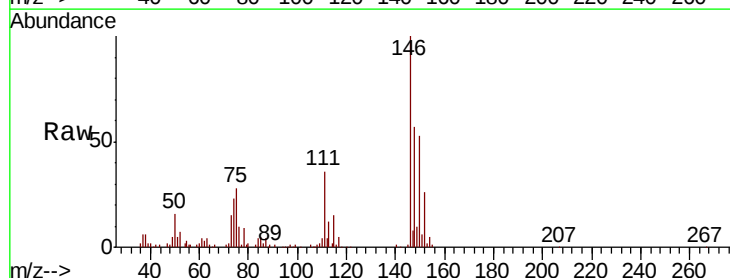
Instrument :
 MSVOA_D
 ClientSampled :

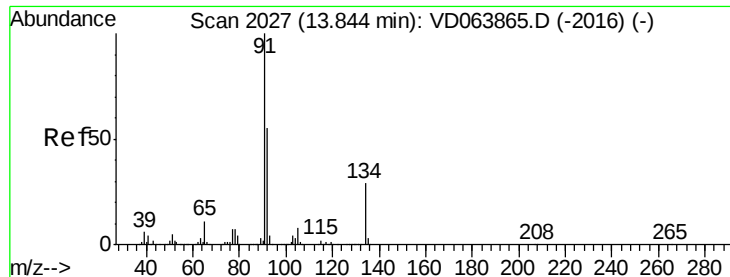
Tot Ion:146 Resp: 104887
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.3 54.9
 148 65.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.034 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion:146 Resp: 108658
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 56.0
 148 62.4 32.6 98.0

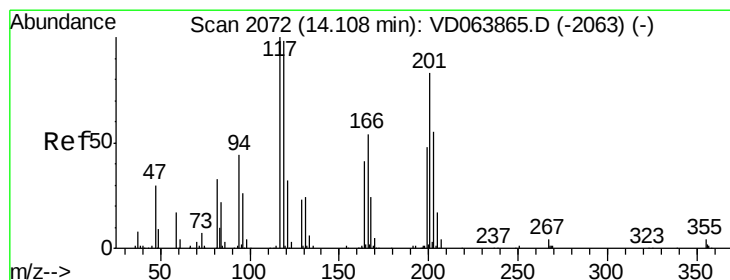
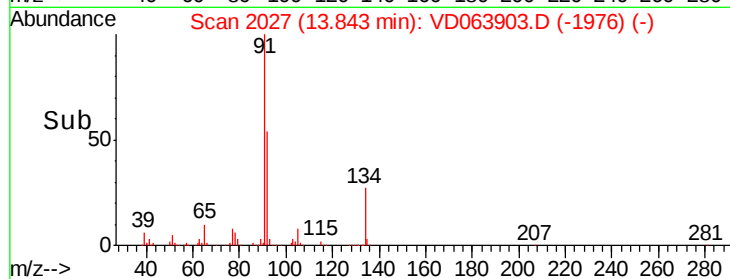
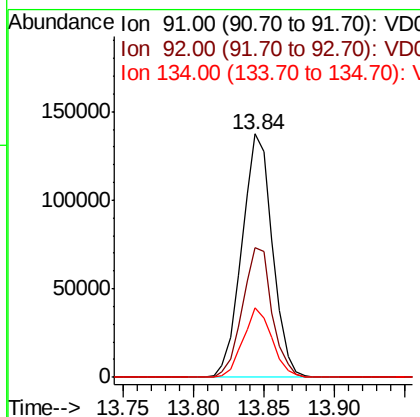
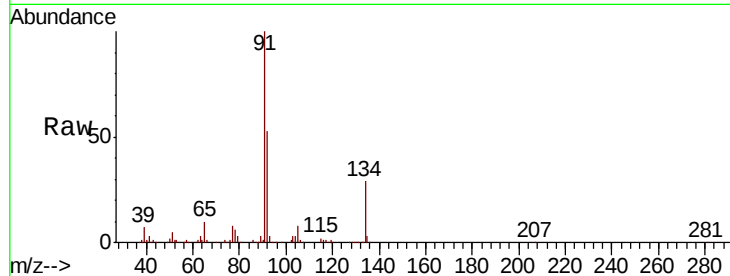




#89
n-Butylbenzene
Concen: 22.089 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

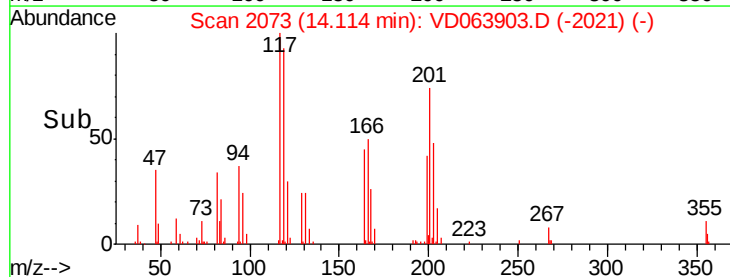
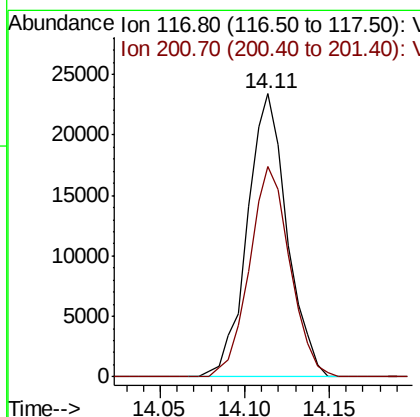
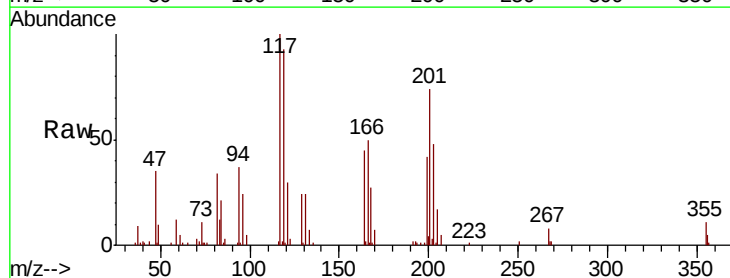
Instrument :
MSVOA_D
ClientSampleId :

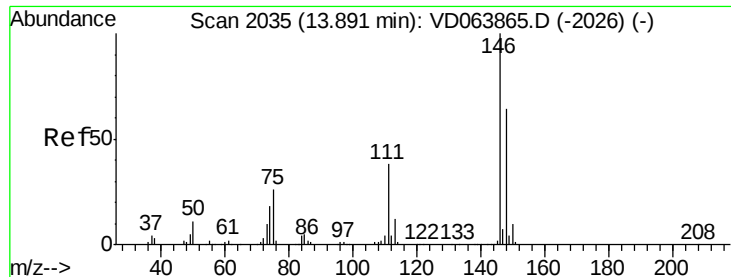
Tot Ion: 91 Resp: 207511
Ion Ratio Lower Upper
91 100
92 51.9 26.8 80.3
134 27.3 14.4 43.0



#90
Hexachloroethane
Concen: 21.130 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063903.D
Acq: 10 Oct 2019 11:56

Tgt Ion: 117 Resp: 38355
Ion Ratio Lower Upper
117 100
201 75.8 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 20.555 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

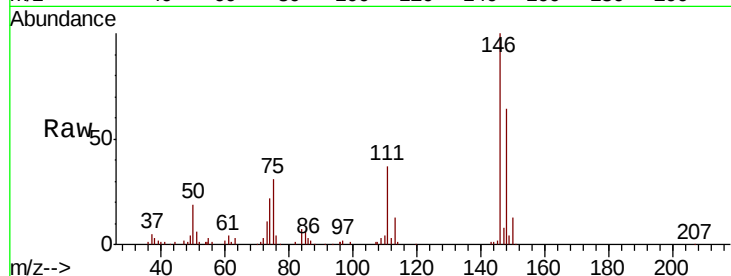
Tot Ion:146 Resp: 92755

Ion Ratio Lower Upper

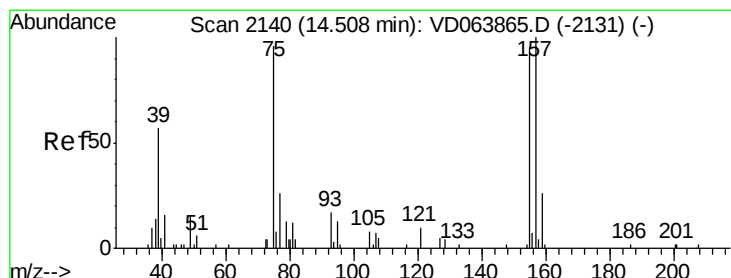
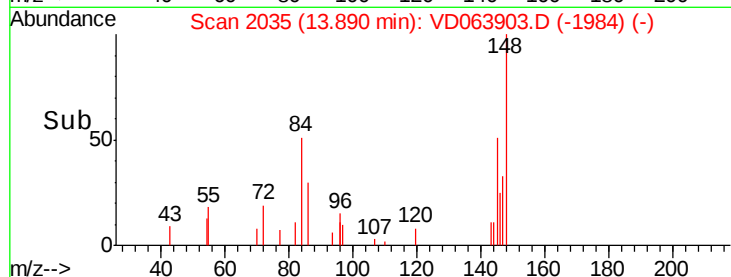
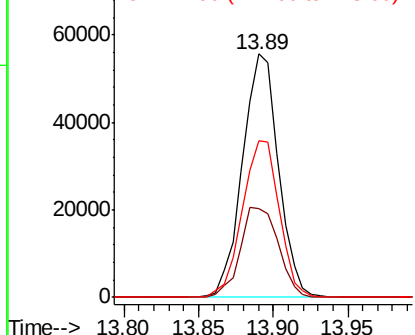
146 100

111 39.2 18.6 55.6

148 66.1 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: 18.059 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

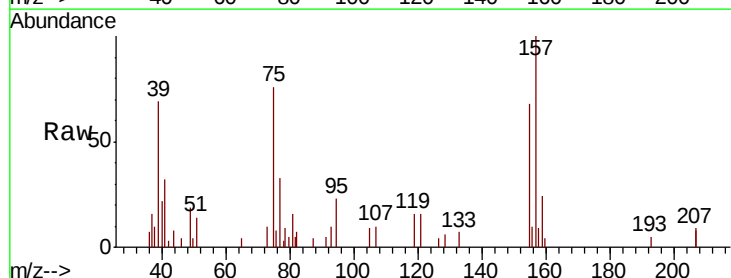
Tgt Ion: 75 Resp: 5645

Ion Ratio Lower Upper

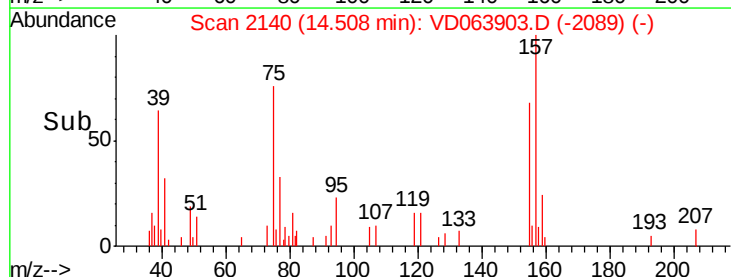
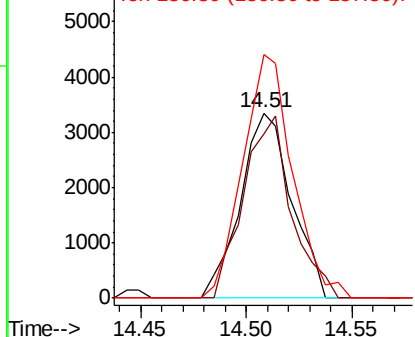
75 100

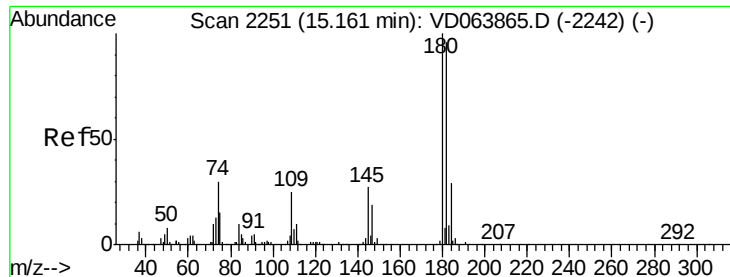
155 92.3 43.9 131.6

157 128.4 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

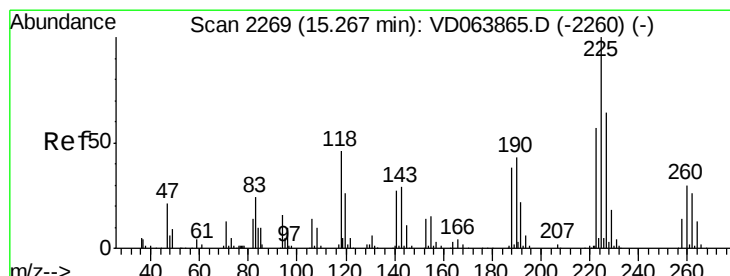
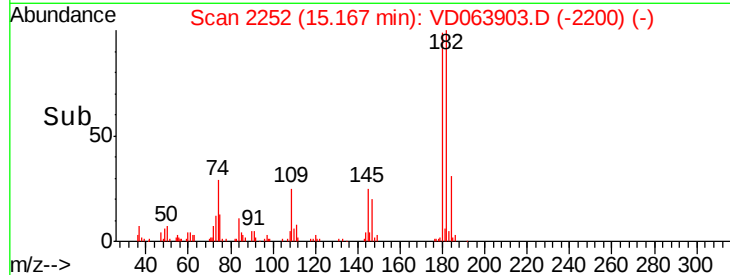
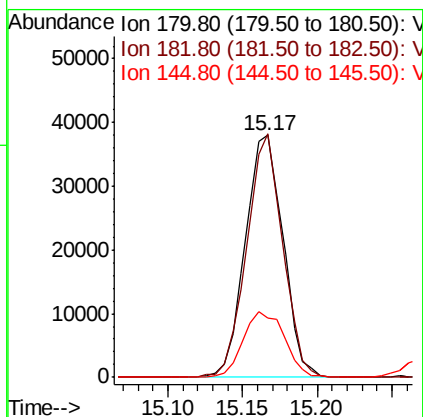
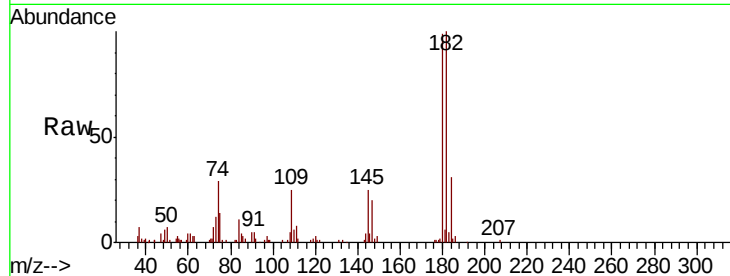




#93
 1,2,4-Trichlorobenzene
 Concen: 19.082 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

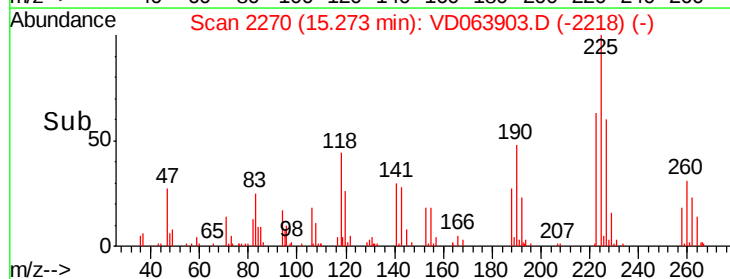
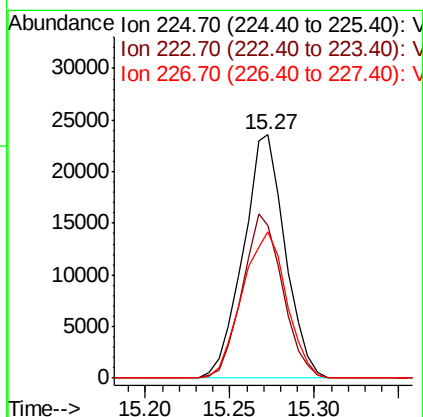
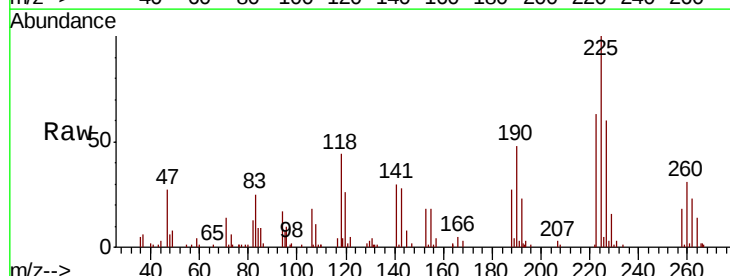
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	180	182	145	Resp	66443
Ion Ratio	100	95.3	29.7	Lower	Upper
		47.4	13.9		
		142.3	41.7		



#94
 Hexachlorobutadiene
 Concen: 21.136 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063903.D
 Acq: 10 Oct 2019 11:56

Tgt Ion	225	223	227	Resp	40612
Ion Ratio	100	65.2	63.3	Lower	Upper
		29.5	30.8		
		88.6	92.4		





#95

Naphthalene

Concen: 19.323 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

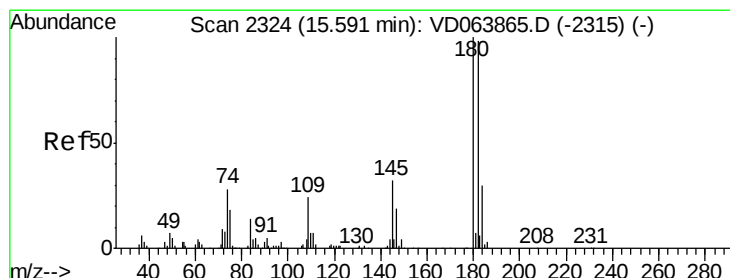
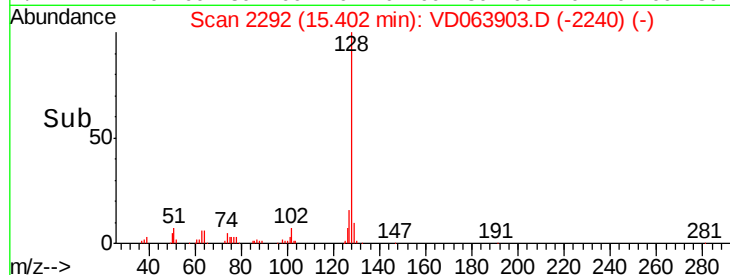
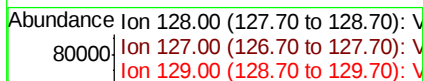
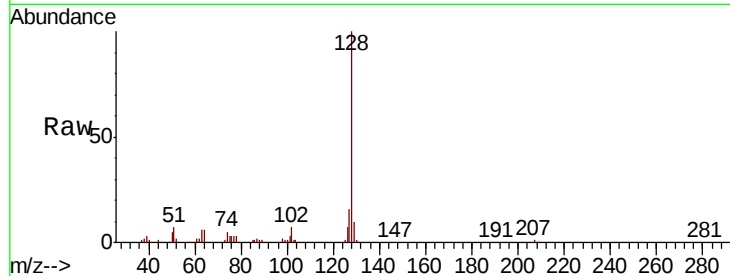
Tot Ion:128 Resp: 113085

Ion Ratio Lower Upper

128 100

127 15.0 10.6 16.0

129 11.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 18.860 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063903.D

Acq: 10 Oct 2019 11:56

Tgt Ion:180 Resp: 56657

Ion Ratio Lower Upper

180 100

182 96.6 47.0 141.0

145 32.6 15.3 45.9

