

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101719\
 Data File : VD063997.D
 Acq On : 17 Oct 2019 11:23
 Operator : VA/SY
 Sample : VD1017SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

Quant Time: Oct 17 17:39:24 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	7.99	168	174189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	271092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84625	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.92	113	83863	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.34	98	363820	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.63	95	119856	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24547	19.871	ug/l	94
3) Chloromethane	2.21	50	74259	19.590	ug/l	97
4) Vinyl Chloride	2.35	62	89308	22.369	ug/l	99
5) Bromomethane	2.76	94	53415	20.810	ug/l #	79
6) Chloroethane	2.92	64	57978	21.958	ug/l	92
7) Trichlorofluoromethane	3.27	101	124601	23.604	ug/l	96
8) Diethyl Ether	3.71	74	16845	19.881	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	29564	20.233	ug/l	94
10) Methyl Iodide	4.30	142	34614	17.192	ug/l	98
11) Tert butyl alcohol	5.25	59	8855	69.365	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	30159	20.659	ug/l	86
13) Acrolein	3.92	56	8739	57.697	ug/l #	82
14) Allyl chloride	4.71	41	46282	19.069	ug/l	93
15) Acrylonitrile	5.43	53	35902	96.110	ug/l	98
16) Acetone	4.17	43	37389	84.682	ug/l	93
17) Carbon Disulfide	4.40	76	93702	17.657	ug/l	98
18) Methyl Acetate	4.72	43	18682	21.633	ug/l #	68
19) Methyl tert-butyl Ether	5.49	73	67366	17.820	ug/l	97
20) Methylene Chloride	4.97	84	39807	18.418	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	36867	20.286	ug/l	95
22) Diisopropyl ether	6.37	45	101056	20.387	ug/l	94
23) Vinyl Acetate	6.31	43	288169	97.724	ug/l	100
24) 1,1-Dichloroethane	6.26	63	64456	21.111	ug/l	95
25) 2-Butanone	7.23	43	48714	93.098	ug/l #	90
26) 2,2-Dichloropropane	7.20	77	55877	20.231	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	42868	20.840	ug/l	96
28) Bromochloromethane	7.54	49	20515	18.878	ug/l	95
29) Tetrahydrofuran	7.57	42	28865	94.511	ug/l	99
30) Chloroform	7.71	83	68340	20.608	ug/l	96
31) Cyclohexane	7.98	56	64534	23.445	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	61797	21.724	ug/l	97
36) 1,1-Dichloropropene	8.11	75	54677	22.059	ug/l	95
37) Ethyl Acetate	7.30	43	19881	17.403	ug/l	97
38) Carbon Tetrachloride	8.10	117	56104	22.399	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69813	22.907	ug/l	90
40) Benzene	8.35	78	155674	21.916	ug/l	97
41) Methacrylonitrile	7.53	41	10579	18.409	ug/l	98
42) 1,2-Dichloroethane	8.43	62	40255	19.592	ug/l	98
43) Isopropyl Acetate	8.45	43	39656	19.077	ug/l	99
44) Trichloroethene	9.11	130	42730	20.862	ug/l	97
45) 1,2-Dichloropropane	9.39	63	36062	20.742	ug/l	96
46) Dibromomethane	9.48	93	21310	21.522	ug/l	97
47) Bromodichloromethane	9.66	83	50338	19.746	ug/l	99
48) Methyl methacrylate	9.46	41	20660	20.744	ug/l	95
49) 1,4-Dioxane	9.48	88	5432	401.909	ug/l #	75
51) 4-Methyl-2-Pentanone	10.23	43	102793	95.350	ug/l	95
52) Toluene	10.41	92	103585	21.243	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	48662	19.562	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	58978	20.596	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	29528	21.121	ug/l	97
56) Ethyl methacrylate	10.66	69	32621	18.425	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50459	21.095	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	74551	97.965	ug/l	99
59) 2-Hexanone	10.99	43	75198	96.428	ug/l	100
60) Dibromochloromethane	11.14	129	36709	20.168	ug/l	100
61) 1,2-Dibromoethane	11.25	107	29350	21.655	ug/l	99
64) Tetrachloroethene	10.88	164	39976	21.932	ug/l	91
65) Chlorobenzene	11.67	112	117025	21.825	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	41211	20.858	ug/l	97
67) Ethyl Benzene	11.75	91	210159	21.736	ug/l	99
68) m/p-Xylenes	11.86	106	165875	44.448	ug/l	98
69) o-Xylene	12.18	106	74522	20.854	ug/l	100
70) Styrene	12.20	104	127382	21.057	ug/l	99
71) Bromoform	12.37	173	22075	20.819	ug/l #	99
73) Isopropylbenzene	12.48	105	211175	22.263	ug/l	99
74) N-amyl acetate	12.29	43	37685	18.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	33056	20.027	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	24984m	26.437	ug/l	
77) Bromobenzene	12.77	156	48776	20.639	ug/l	96
78) n-propylbenzene	12.83	91	250456	22.495	ug/l	99
79) 2-Chlorotoluene	12.91	91	136175	22.181	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	175251	22.146	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	10017	18.757	ug/l	89
82) 4-Chlorotoluene	13.01	91	139630	21.440	ug/l	99
83) tert-Butylbenzene	13.23	119	153880	21.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	172065	21.091	ug/l	98
85) sec-Butylbenzene	13.40	105	213115	22.407	ug/l	99
86) p-Isopropyltoluene	13.52	119	197854	21.984	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	97455	20.870	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	100753	21.871	ug/l	98
89) n-Butylbenzene	13.85	91	189076	22.569	ug/l	98
90) Hexachloroethane	14.12	117	35888	22.171	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	83984	20.870	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	4819	17.177	ug/l	89

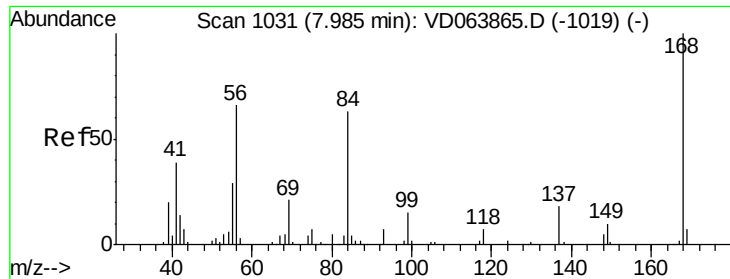
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	61882	19.930	ug/l	98
94) Hexachlorobutadiene	15.27	225	38129	22.253	ug/l	92
95) Naphthalene	15.41	128	102440	19.629	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	52480	19.589	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

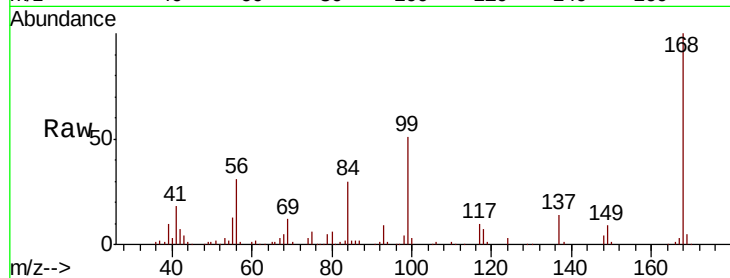
VD1017SBS01

Tot Ion:168 Resp: 174189

Ion Ratio Lower Upper

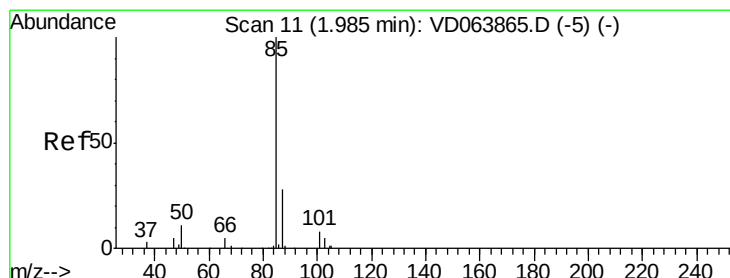
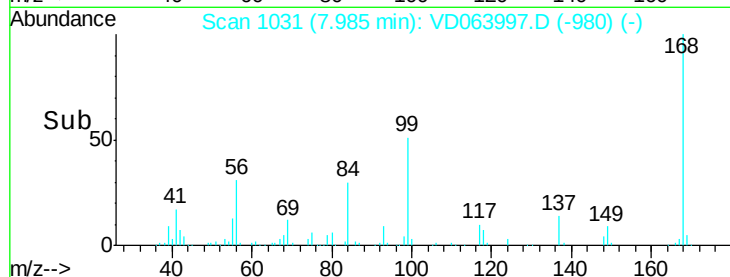
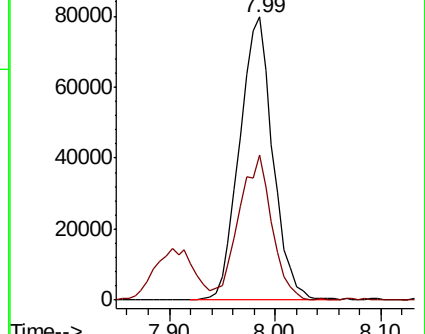
168 100

99 51.5 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: 19.871 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063997.D

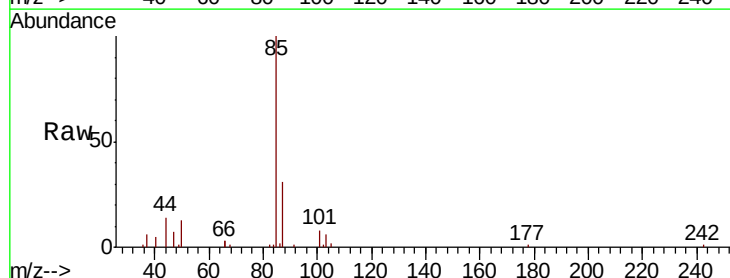
Acq: 17 Oct 2019 11:23

Tgt Ion: 85 Resp: 24547

Ion Ratio Lower Upper

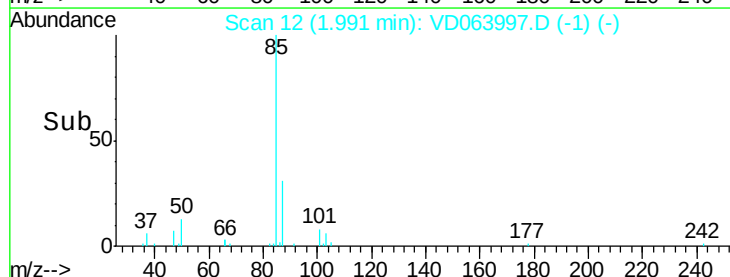
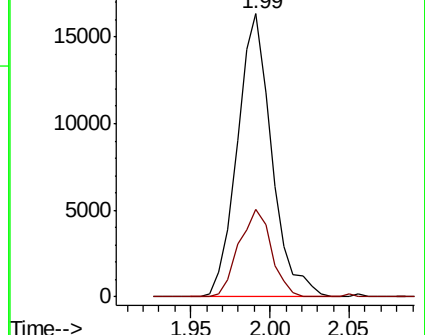
85 100

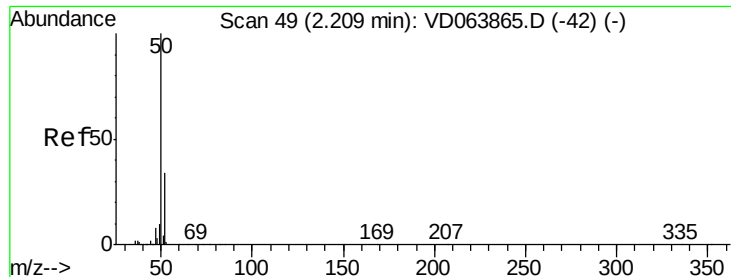
87 31.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.590 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

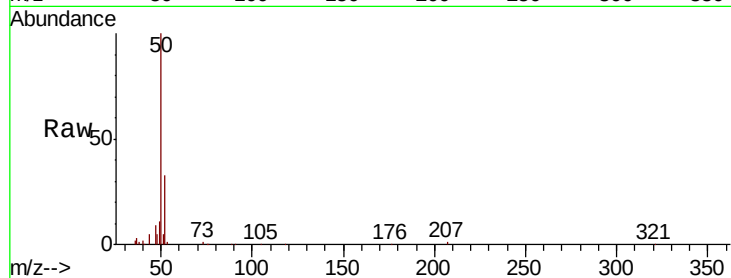
VD1017SBS01

Tot Ion: 50 Resp: 74259

Ion Ratio Lower Upper

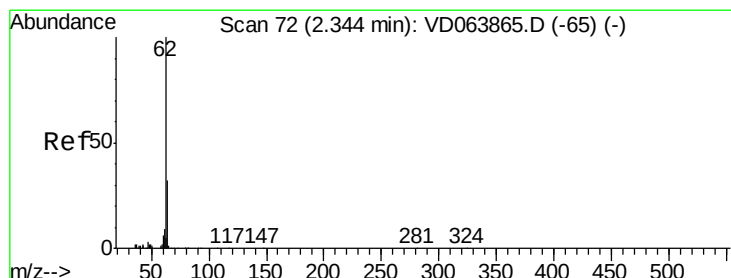
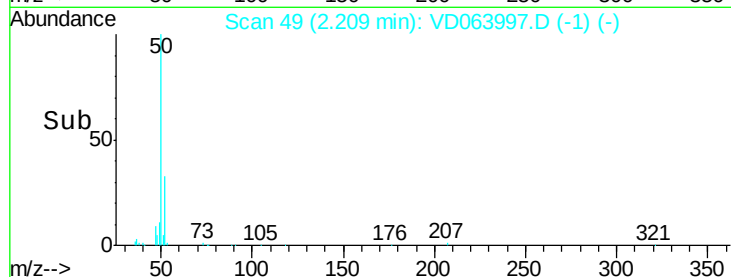
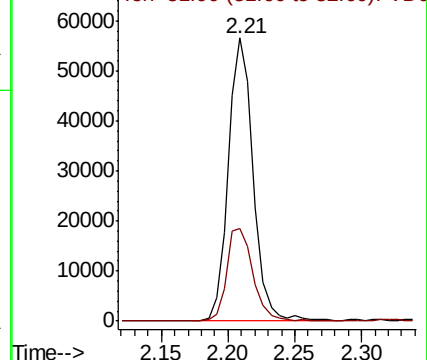
50 100

52 32.6 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.369 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063997.D

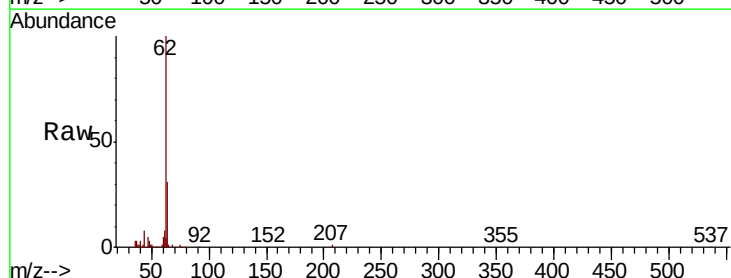
Acq: 17 Oct 2019 11:23

Tgt Ion: 62 Resp: 89308

Ion Ratio Lower Upper

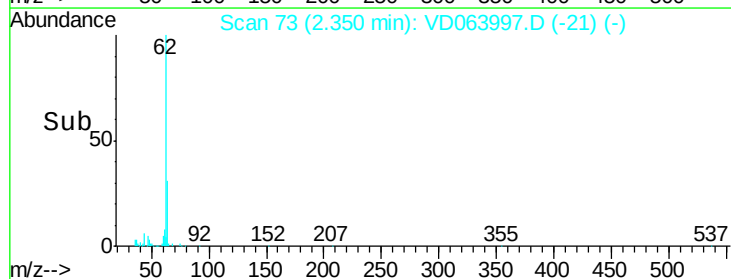
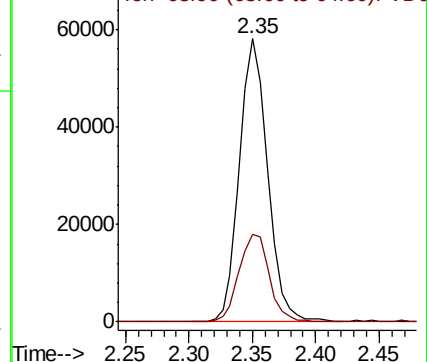
62 100

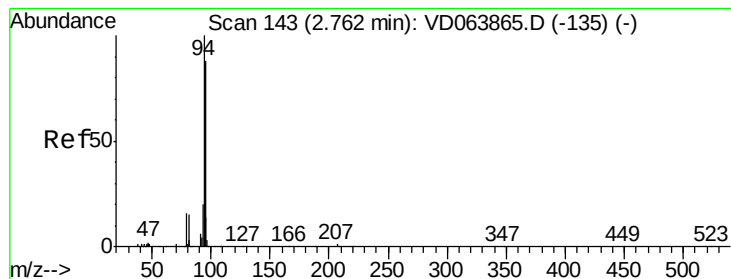
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.810 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

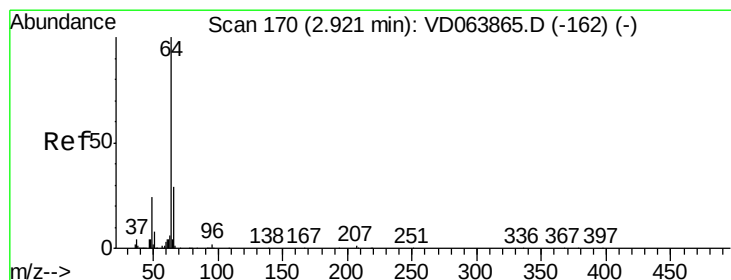
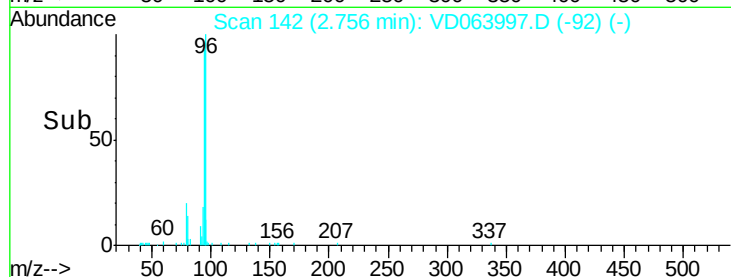
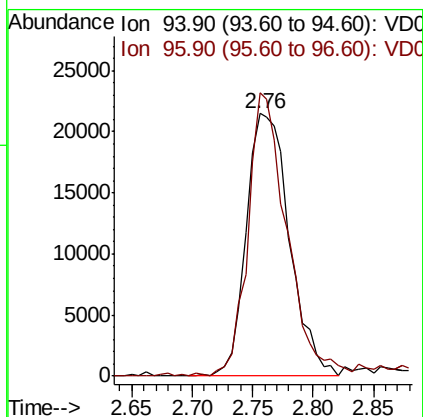
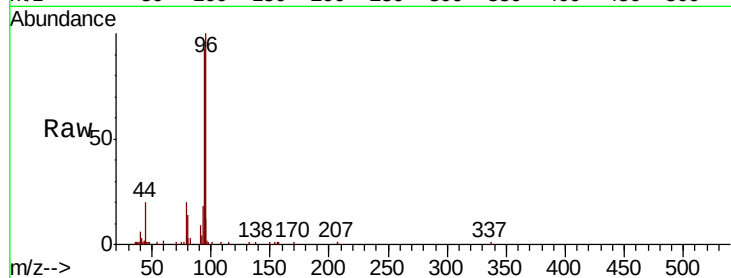
VD1017SBS01

Tot Ion: 94 Resp: 53415

Ion Ratio Lower Upper

94 100

96 107.8 70.8 106.2#



#6

Chloroethane

Concen: 21.958 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063997.D

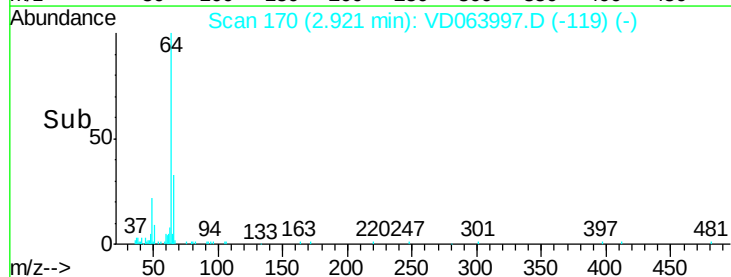
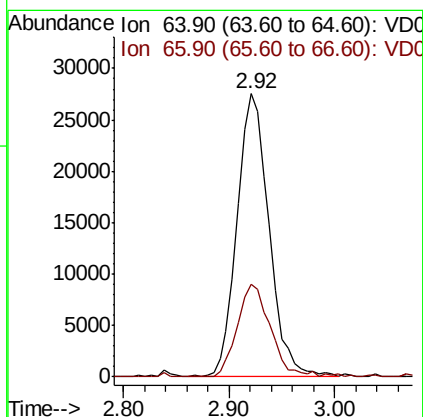
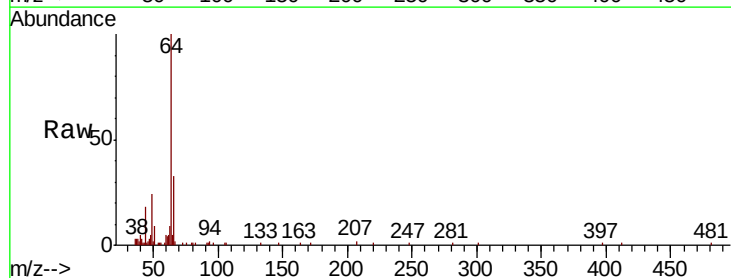
Acq: 17 Oct 2019 11:23

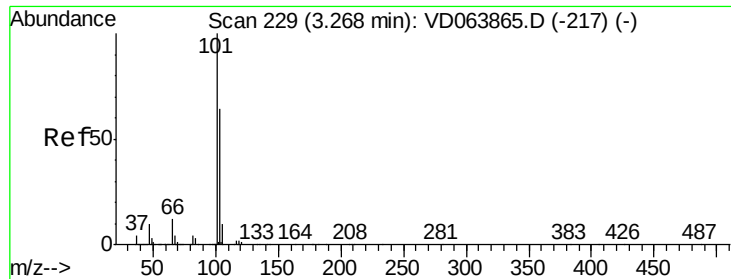
Tgt Ion: 64 Resp: 57978

Ion Ratio Lower Upper

64 100

66 32.9 23.0 34.4



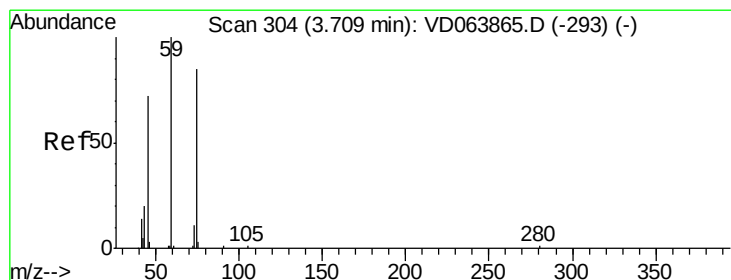
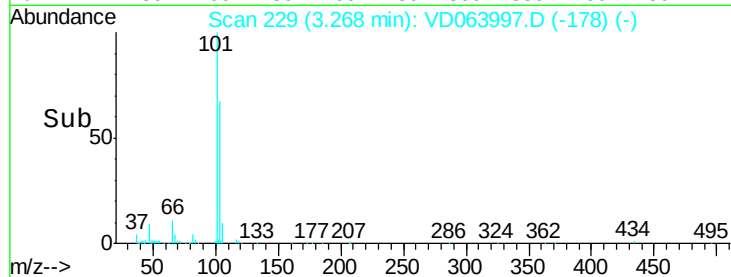
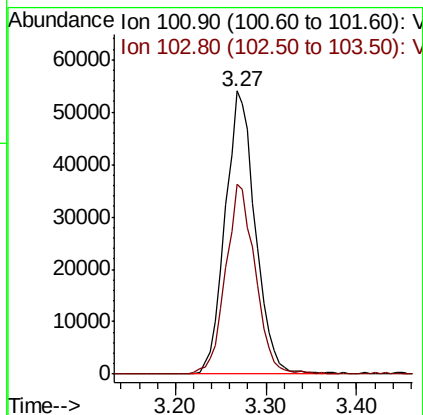
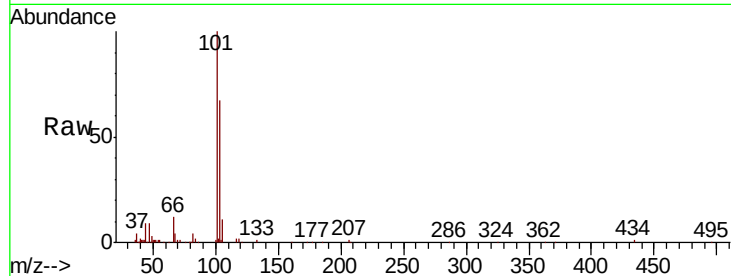


#7

Trichlorofluoromethane
 Concen: 23.604 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

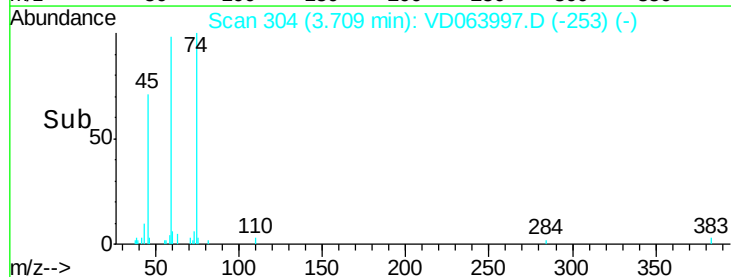
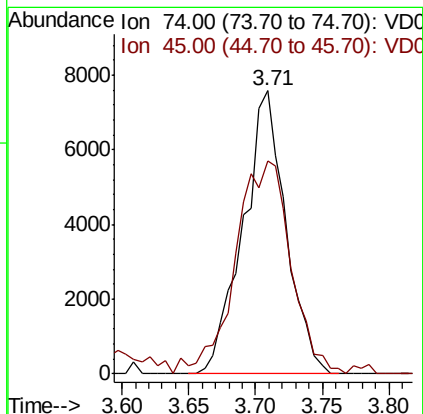
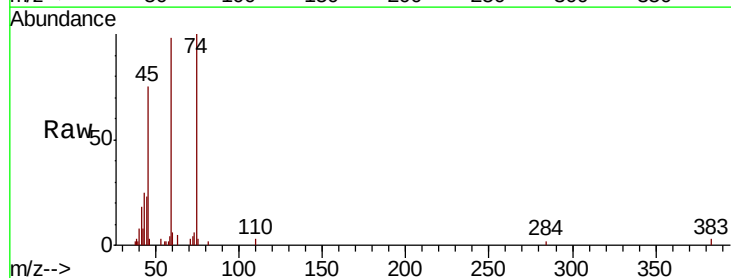
Tot Ion:101 Resp: 124601
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.1 76.7

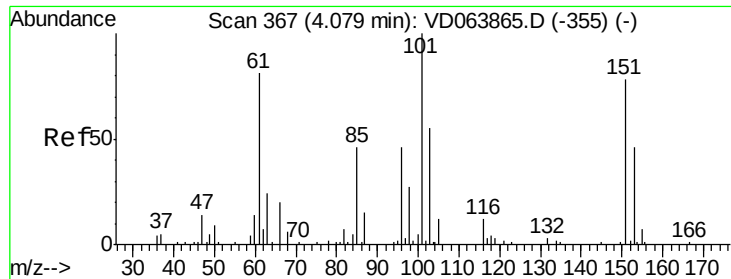


#8

Diethyl Ether
 Concen: 19.881 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 74 Resp: 16845
 Ion Ratio Lower Upper
 74 100
 45 97.8 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.233 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

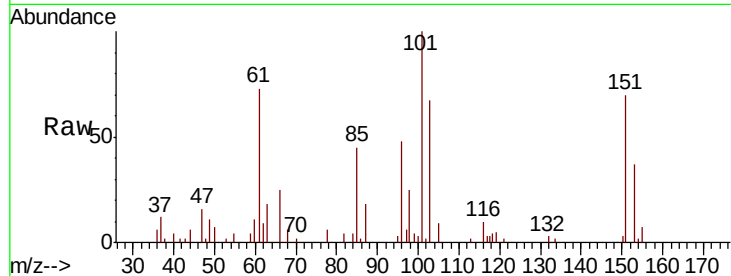
Tot Ion:101 Resp: 29564

Ion Ratio Lower Upper

101 100

85 51.9 37.5 56.3

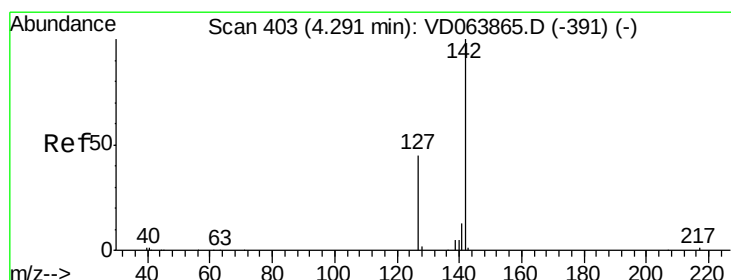
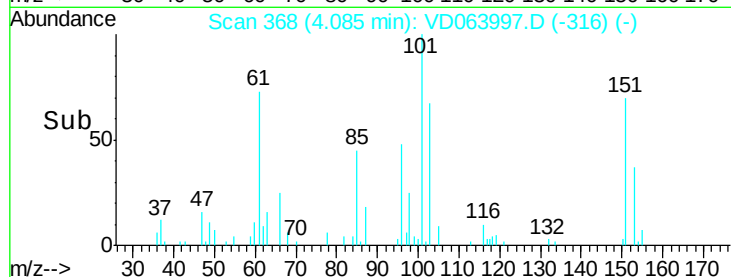
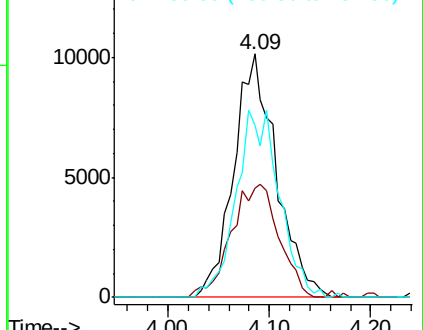
151 77.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.192 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

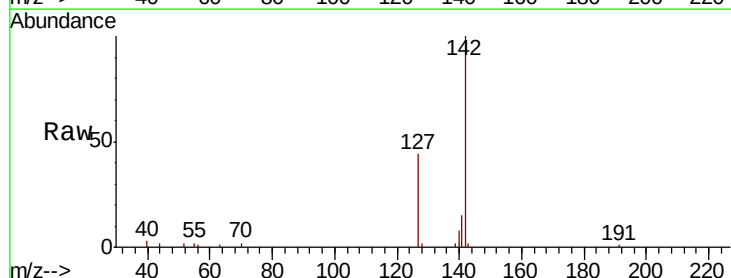
Tgt Ion:142 Resp: 34614

Ion Ratio Lower Upper

142 100

127 45.5 35.3 52.9

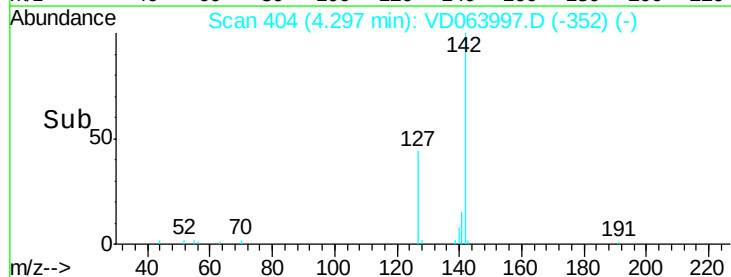
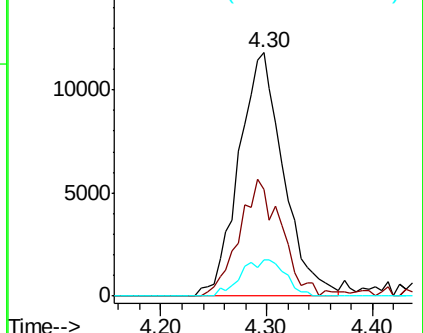
141 14.8 12.2 18.2

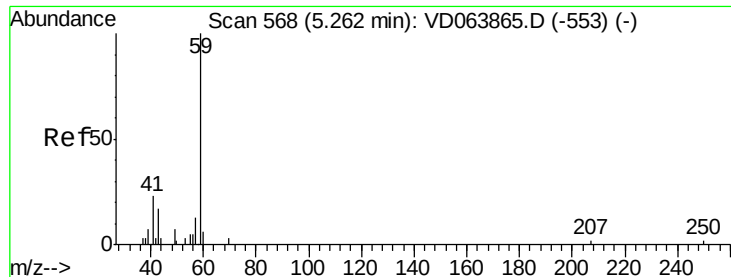


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

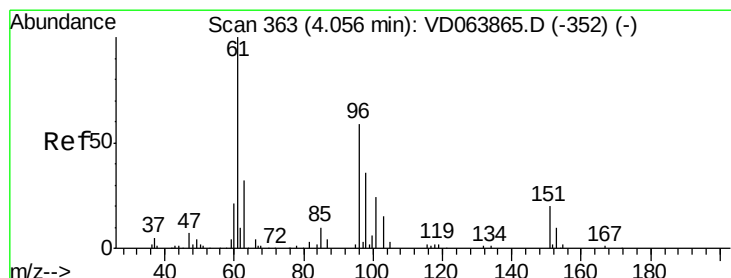
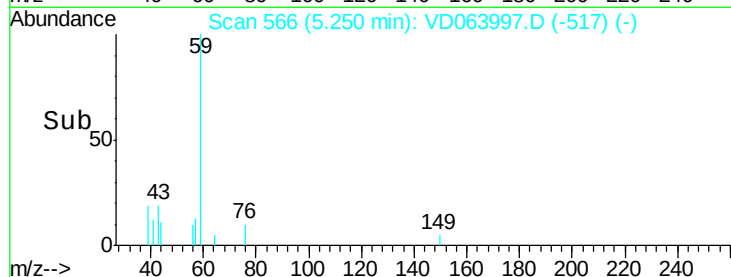
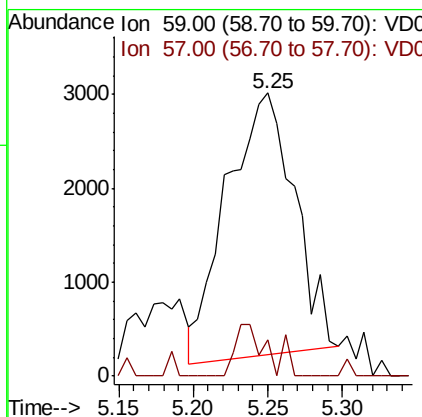
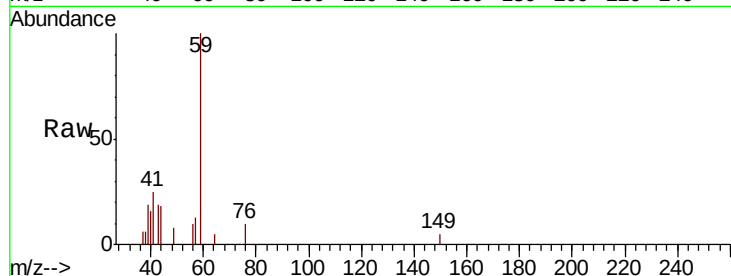




#11
Tert butyl alcohol
Concen: 69.365 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

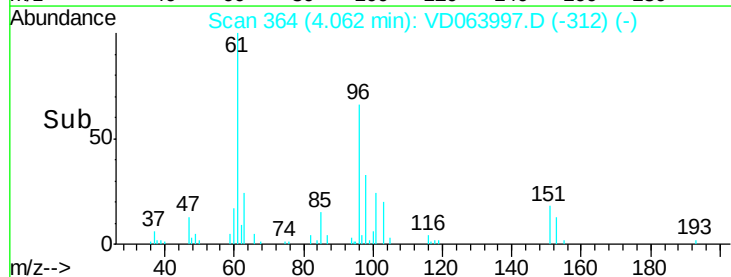
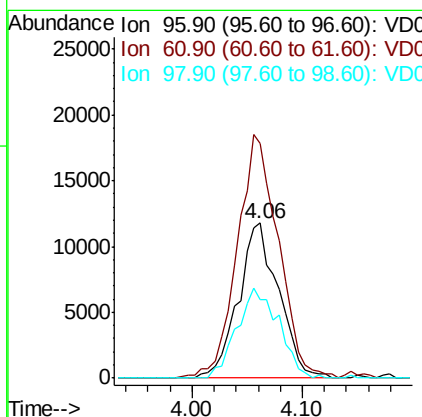
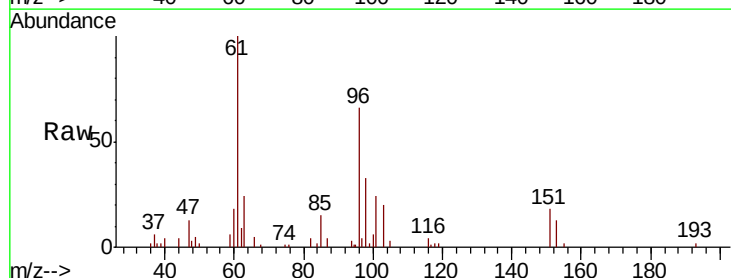
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

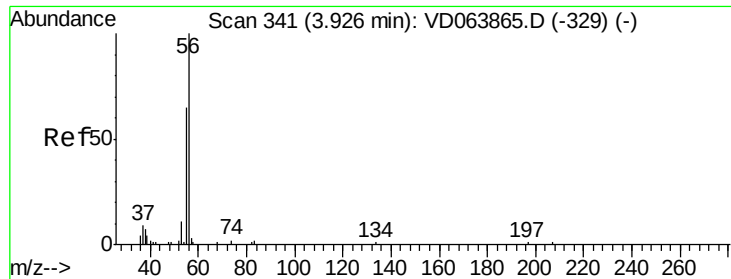
Tot Ion: 59 Resp: 8855
Ion Ratio Lower Upper
59 100
57 7.8 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.659 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 96 Resp: 30159
Ion Ratio Lower Upper
96 100
61 151.2 135.6 203.4
98 50.5 49.2 73.8





#13

Acrolein

Concen: 57.697 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

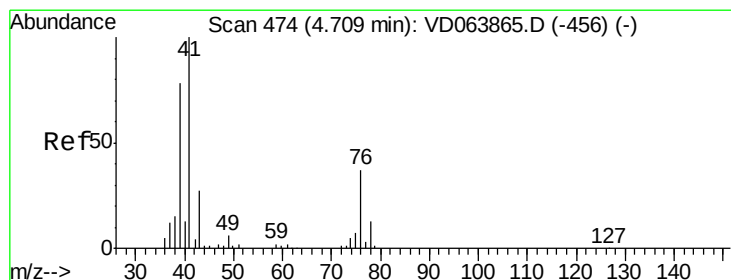
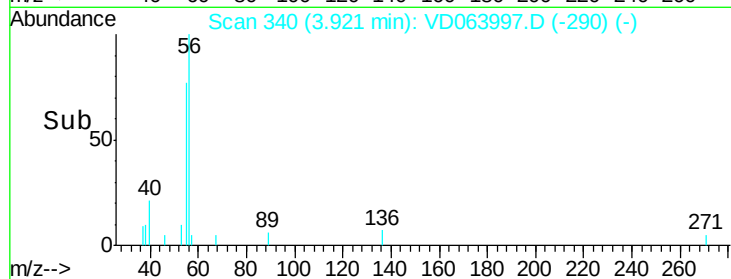
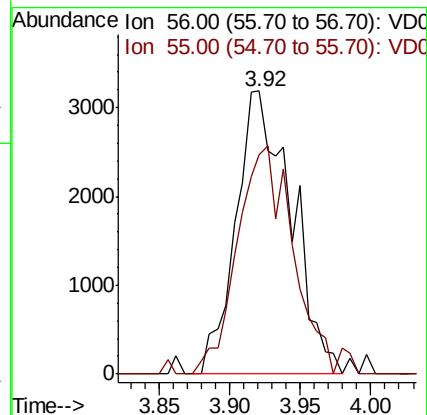
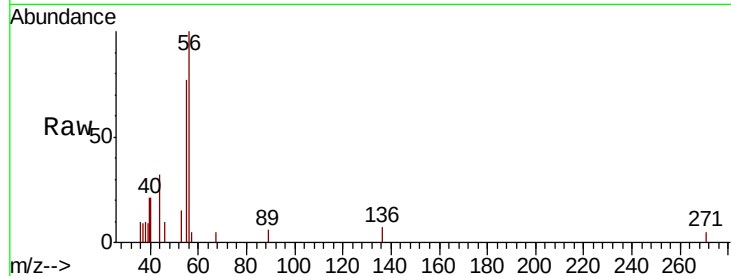
VD1017SBS01

Tot Ion: 56 Resp: 8739

Ion Ratio Lower Upper

56 100

55 80.3 53.0 79.6#



#14

Allyl chloride

Concen: 19.069 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

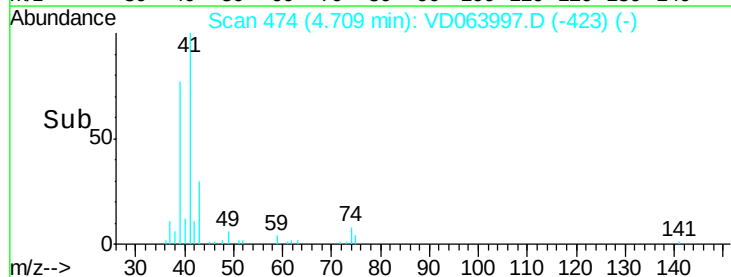
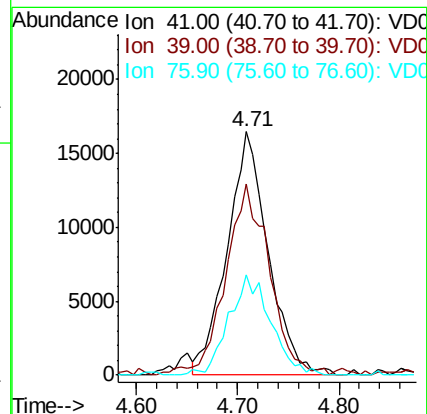
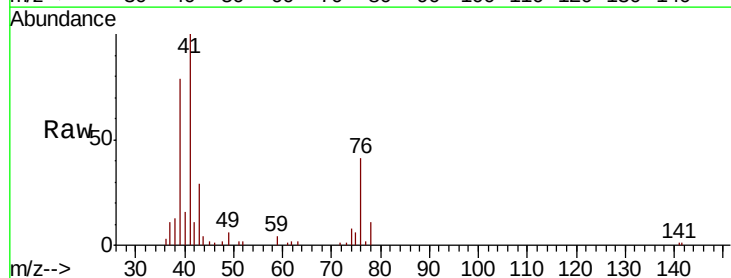
Tgt Ion: 41 Resp: 46282

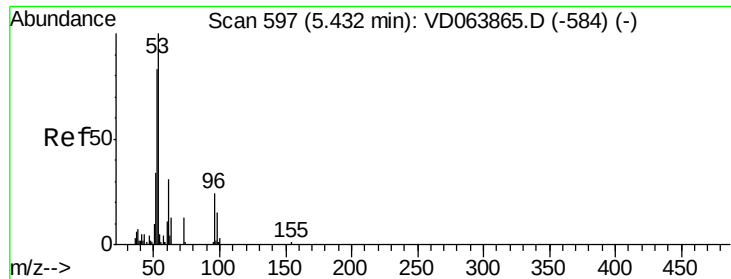
Ion Ratio Lower Upper

41 100

39 83.9 61.8 92.6

76 42.0 31.3 46.9

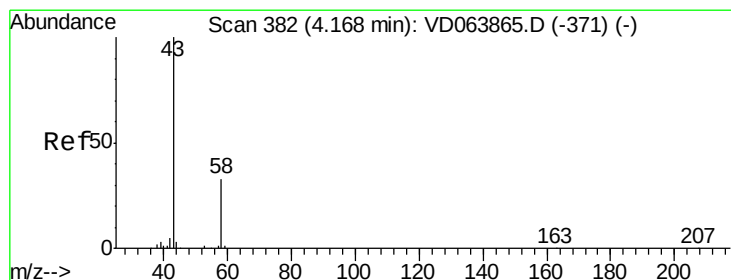
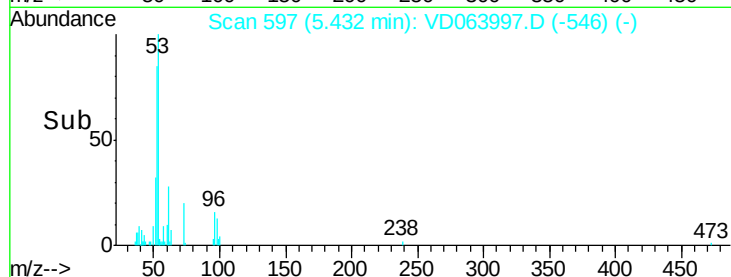
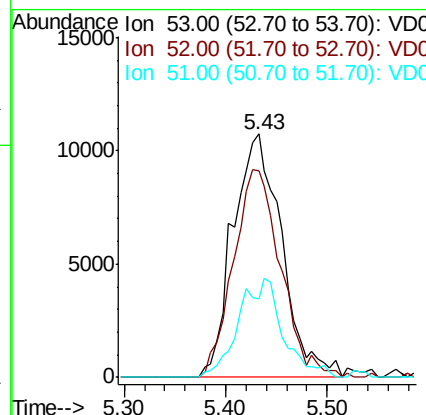
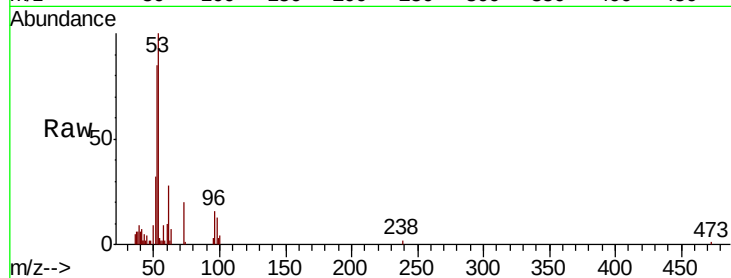




#15
 Acrylonitrile
 Concen: 96.110 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

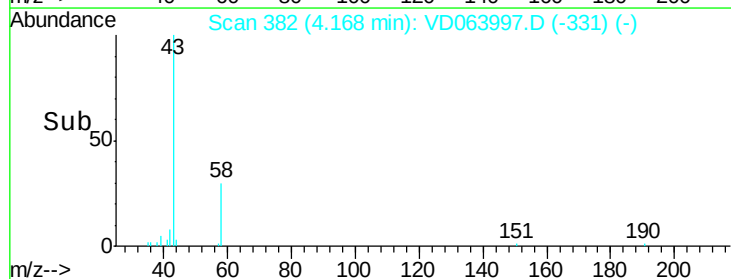
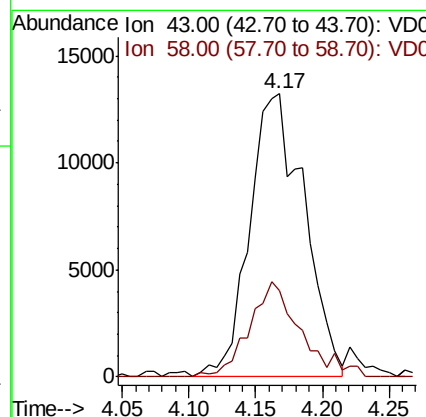
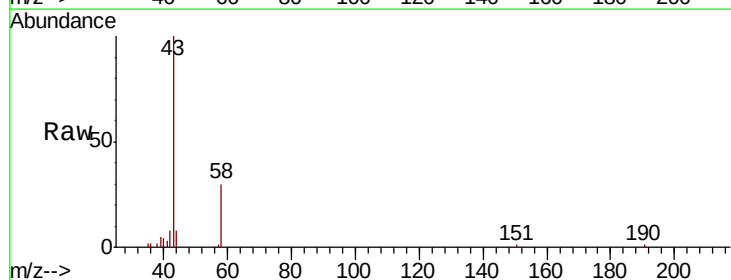
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

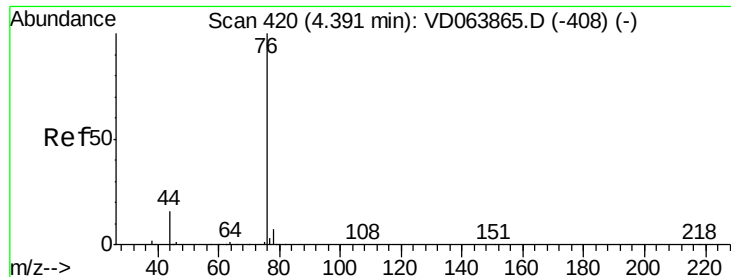
Tot Ion: 53 Resp: 35902
 Ion Ratio Lower Upper
 53 100
 52 83.0 67.3 100.9
 51 36.8 30.5 45.7



#16
 Acetone
 Concen: 84.682 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 43 Resp: 37389
 Ion Ratio Lower Upper
 43 100
 58 28.9 26.2 39.4

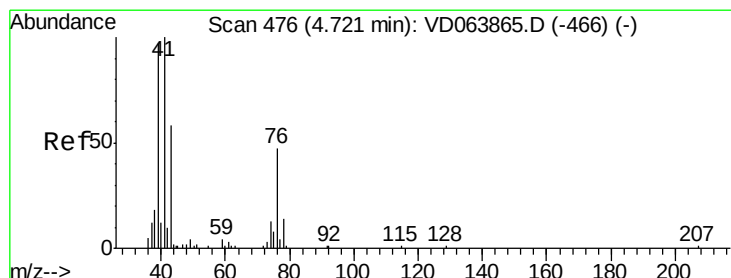
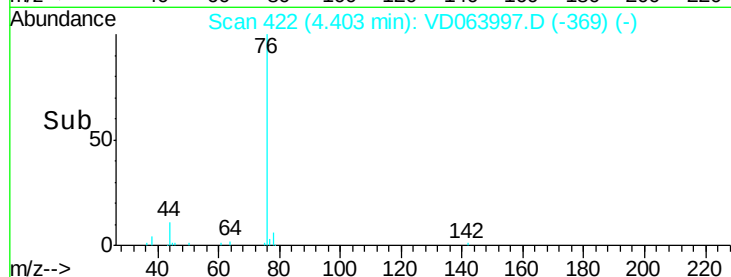
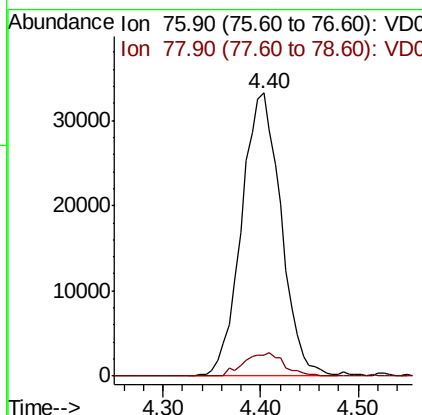
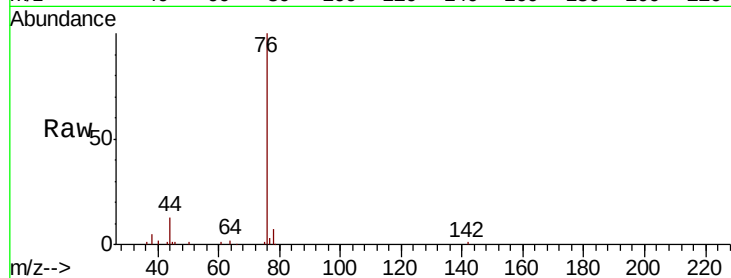




#17
Carbon Disulfide
Concen: 17.657 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

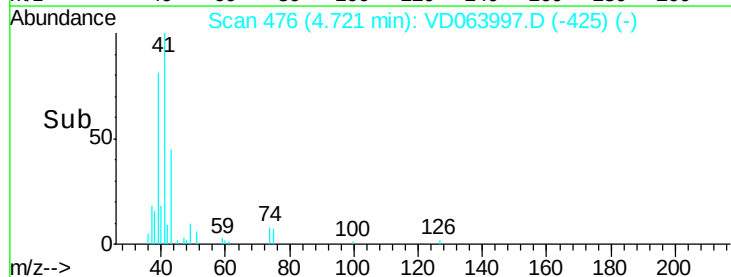
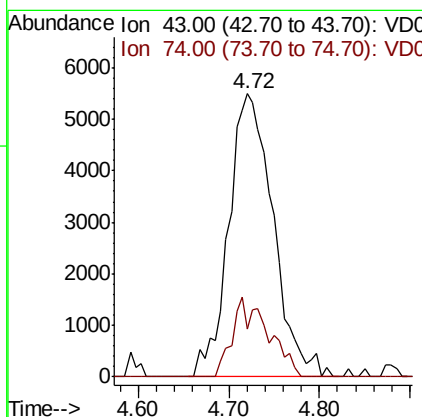
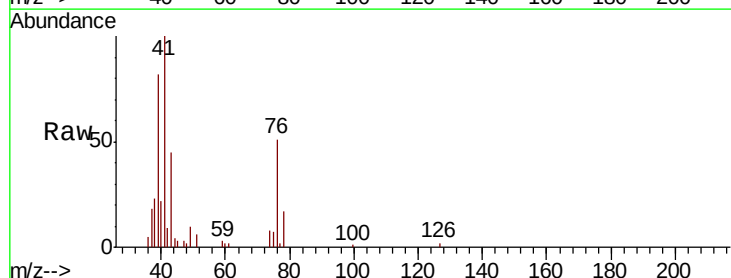
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

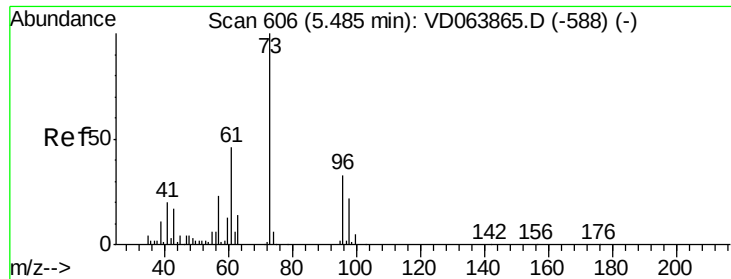
Tot Ion: 76 Resp: 93702
Ion Ratio Lower Upper
76 100
78 8.0 5.8 8.8



#18
Methyl Acetate
Concen: 21.633 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 43 Resp: 18682
Ion Ratio Lower Upper
43 100
74 9.8 20.8 31.2#

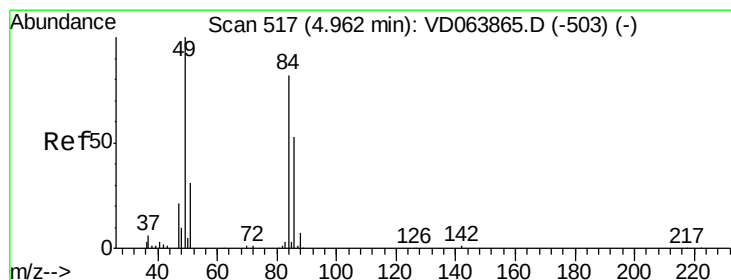
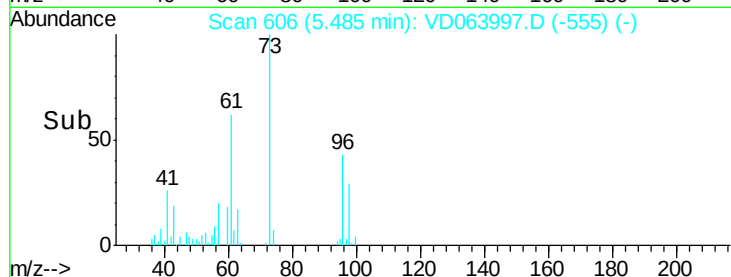
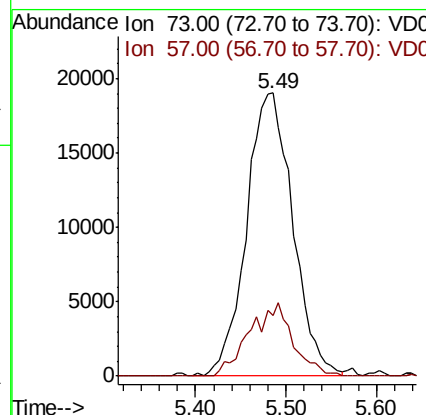
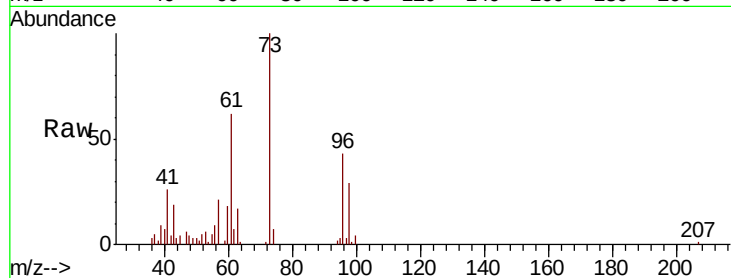




#19
Methyl tert-butyl Ether
Concen: 17.820 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

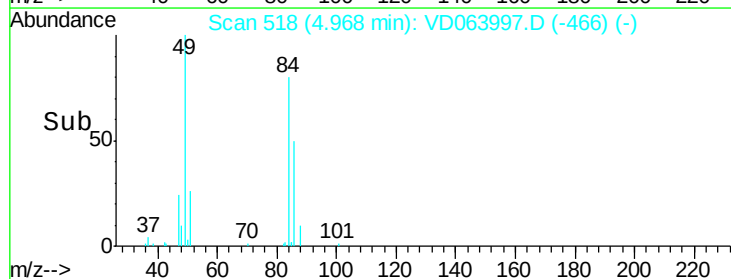
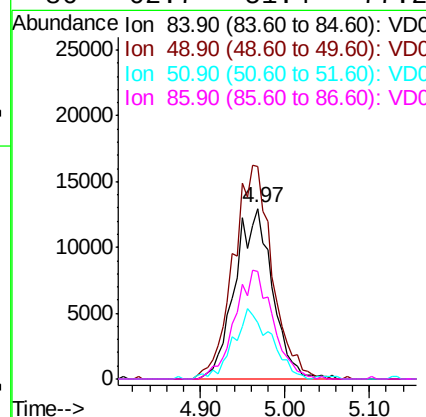
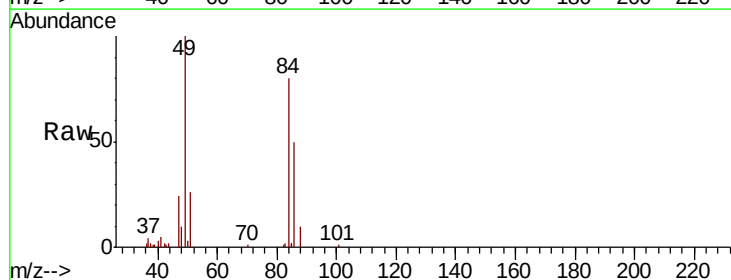
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

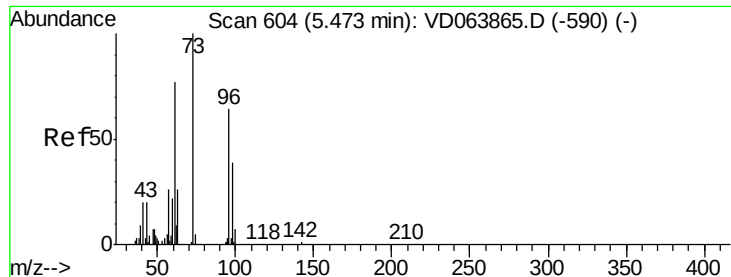
Tot Ion: 73 Resp: 67366
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 18.418 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 84 Resp: 39807
Ion Ratio Lower Upper
84 100
49 124.5 97.3 145.9
51 33.0 30.1 45.1
86 62.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.286 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

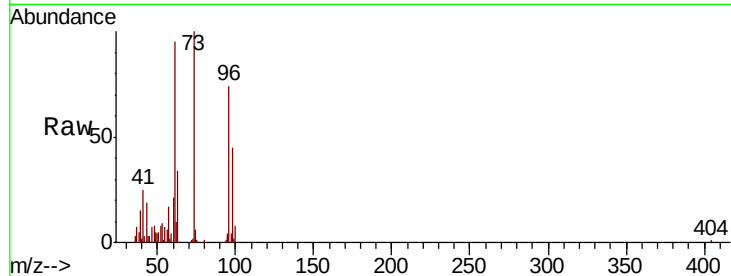
Tot Ion: 96 Resp: 36867

Ion Ratio Lower Upper

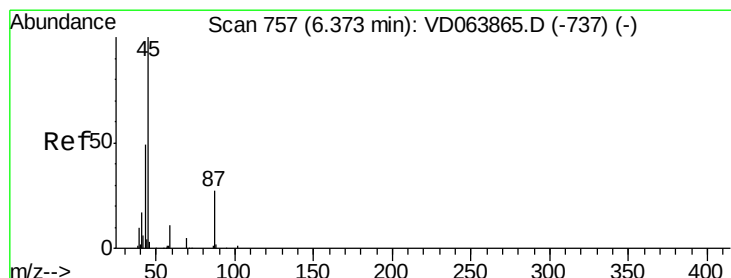
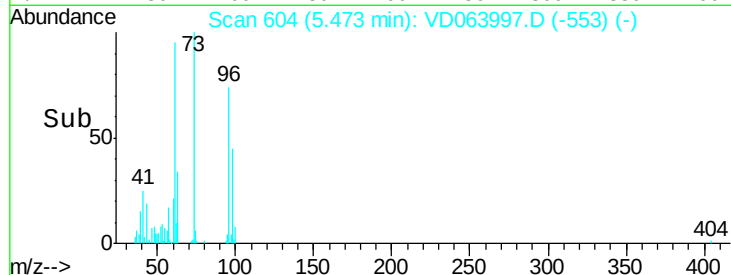
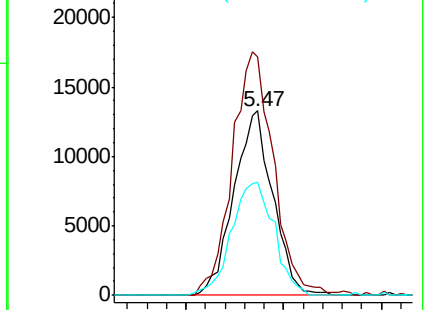
96 100

61 128.9 96.6 145.0

98 61.0 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: 20.387 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Tgt Ion: 45 Resp: 101056

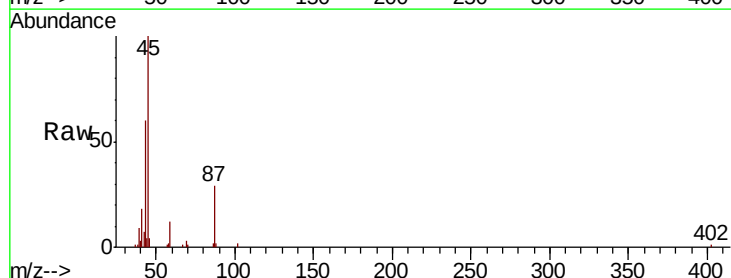
Ion Ratio Lower Upper

45 100

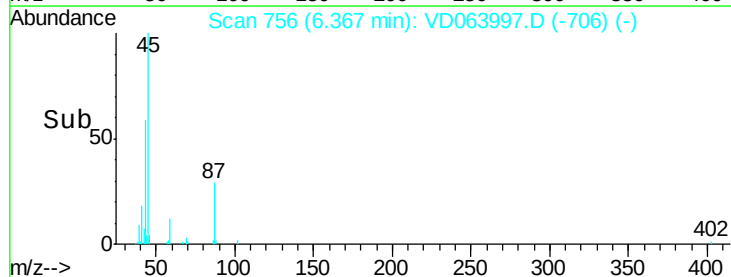
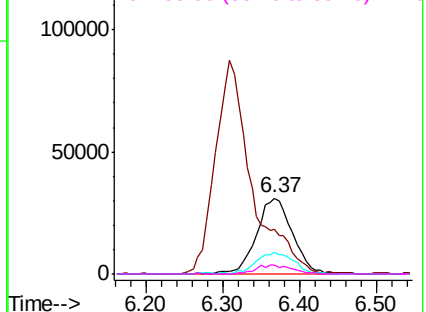
43 58.3 41.2 61.8

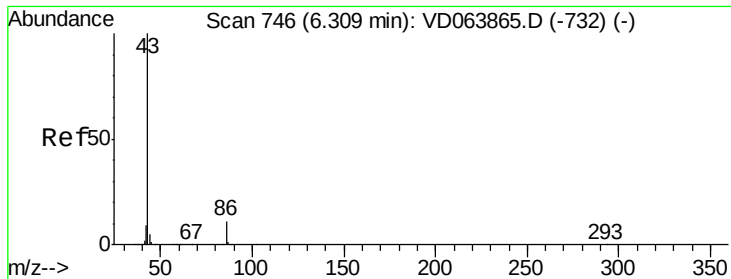
87 28.9 22.2 33.4

59 12.2 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: 97.724 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

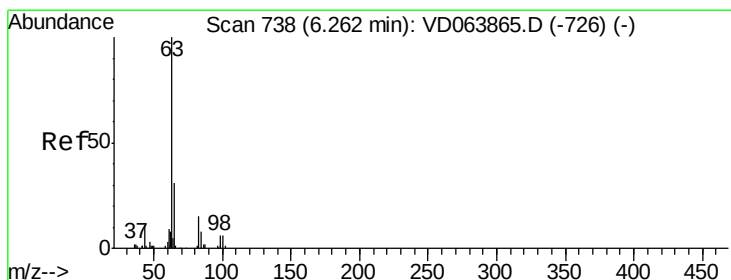
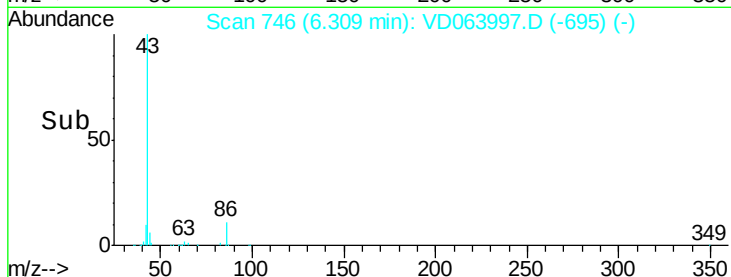
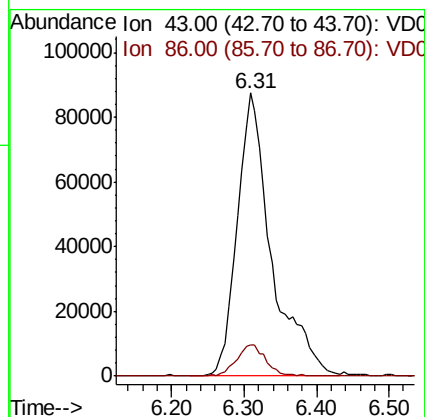
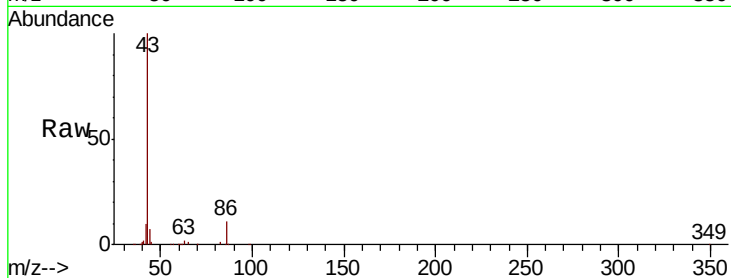
VD1017SBS01

Tot Ion: 43 Resp: 288169

Ion Ratio Lower Upper

43 100

86 10.9 8.8 13.2



#24

1,1-Dichloroethane

Concen: 21.111 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

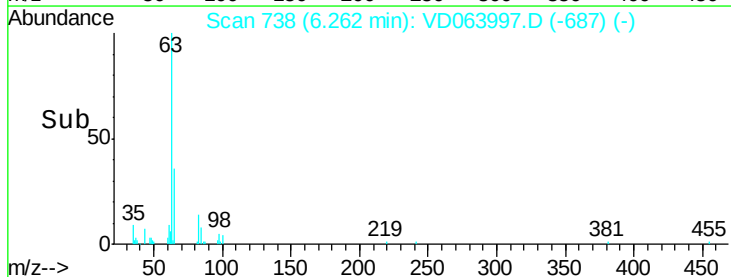
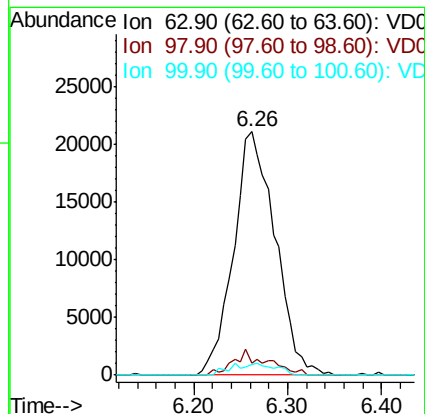
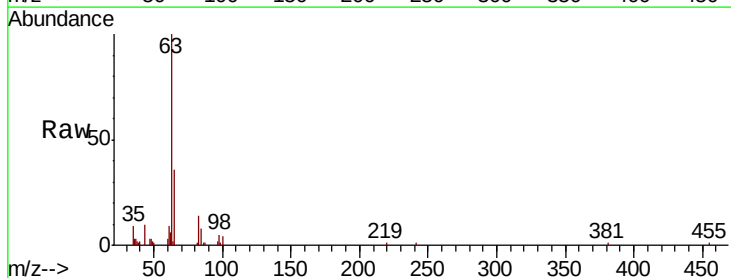
Tgt Ion: 63 Resp: 64456

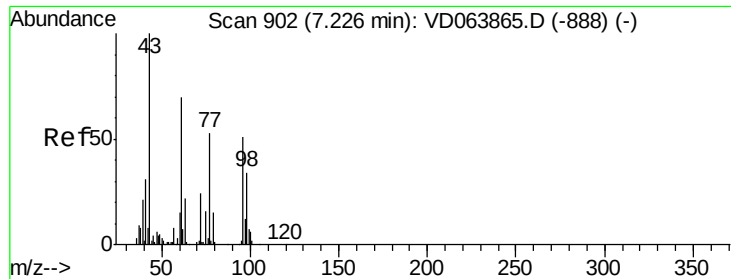
Ion Ratio Lower Upper

63 100

98 4.8 3.1 9.4

100 4.2 3.0 9.2





#25

2-Butanone

Concen: 93.098 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

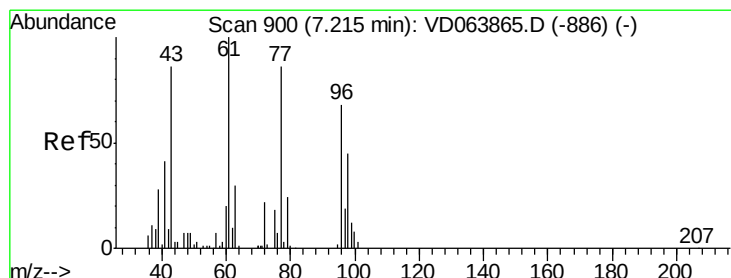
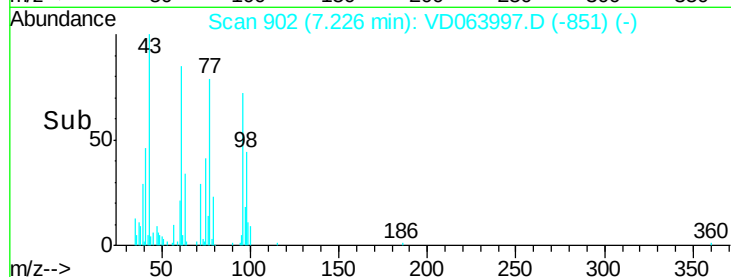
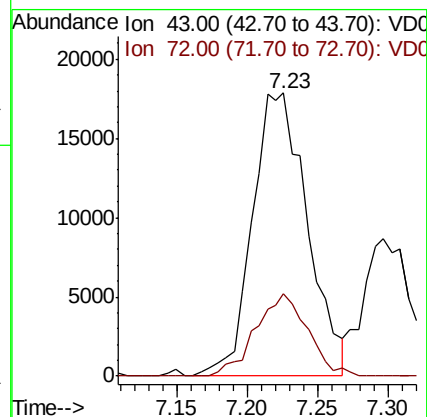
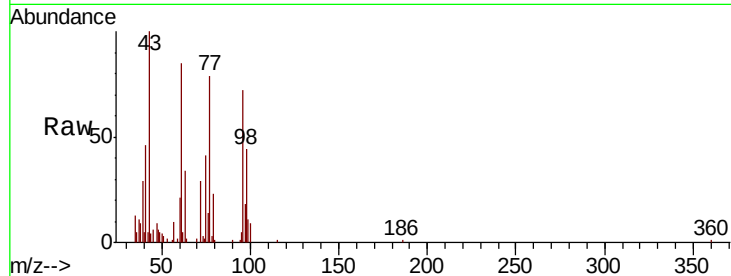
VD1017SBS01

Tot Ion: 43 Resp: 48714

Ion Ratio Lower Upper

43 100

72 28.9 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 20.231 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063997.D

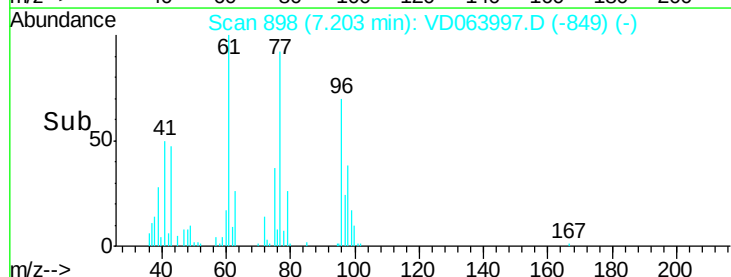
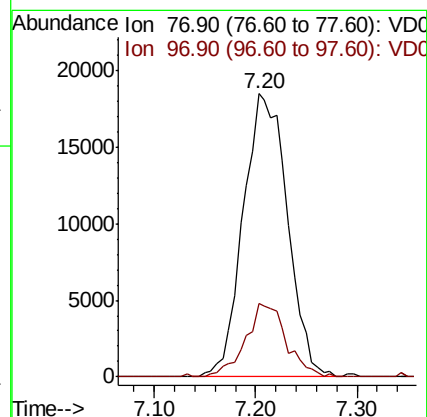
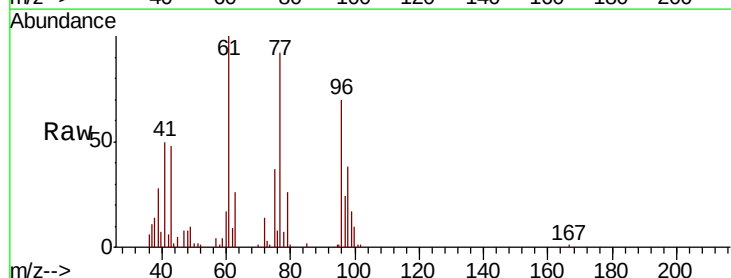
Acq: 17 Oct 2019 11:23

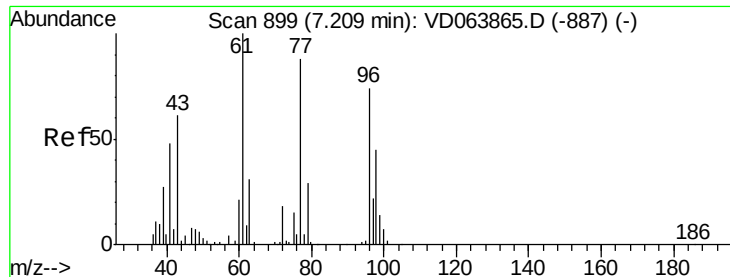
Tgt Ion: 77 Resp: 55877

Ion Ratio Lower Upper

77 100

97 23.9 11.4 34.1



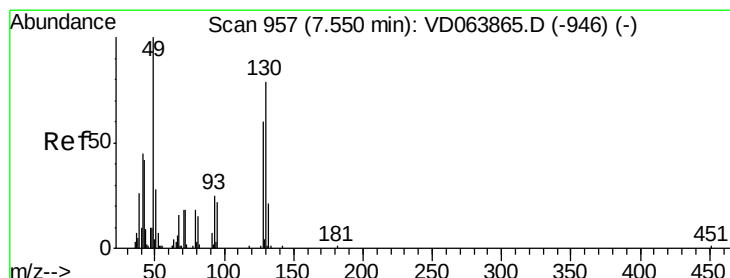
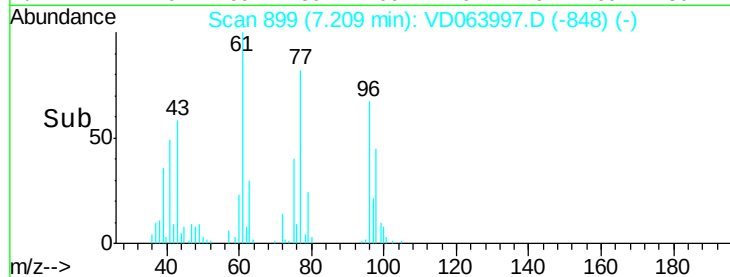
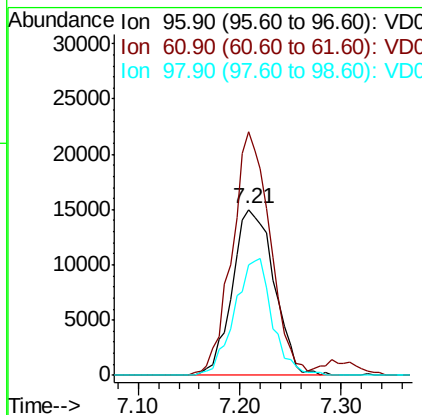
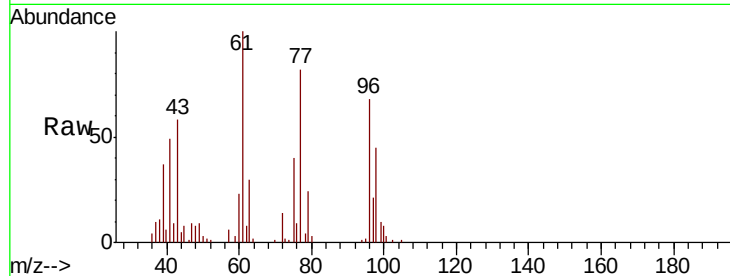


#27

cis-1,2-Dichloroethene
 Concen: 20.840 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

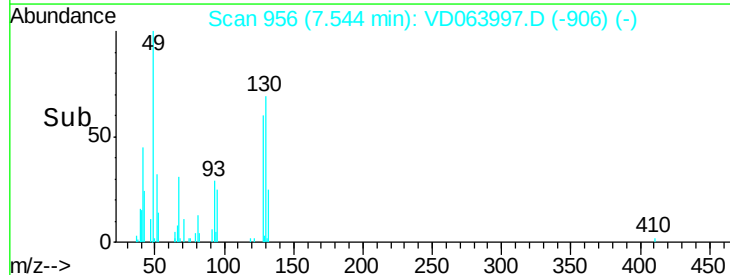
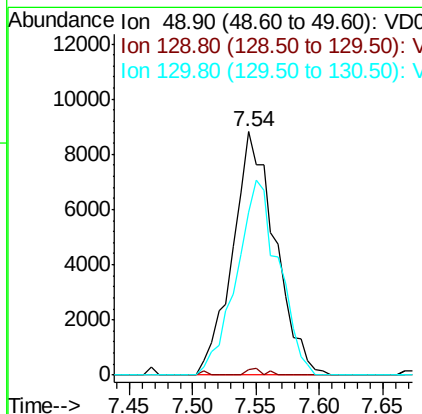
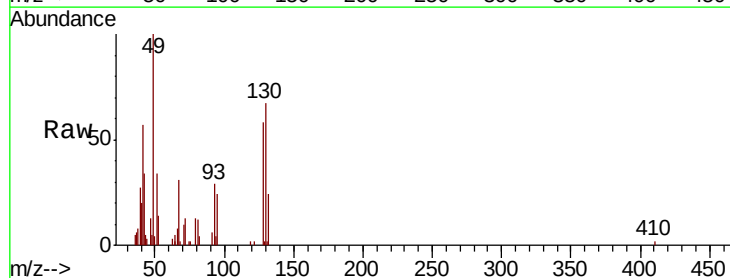
Tot Ion: 96 Resp: 42868
 Ion Ratio Lower Upper
 96 100
 61 133.8 0.0 280.0
 98 63.4 0.0 130.4

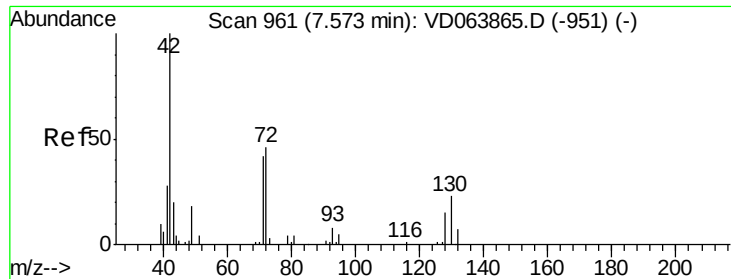


#28

Bromochloromethane
 Concen: 18.878 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 49 Resp: 20515
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 5.6
 130 79.4 66.8 100.2

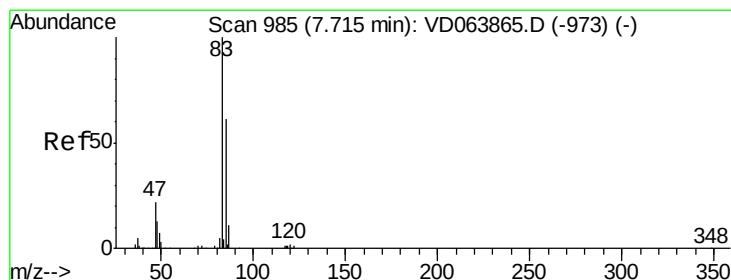
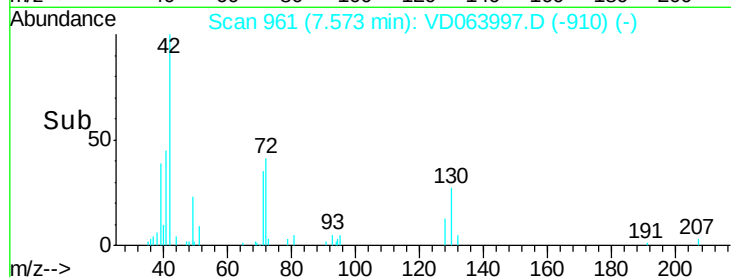
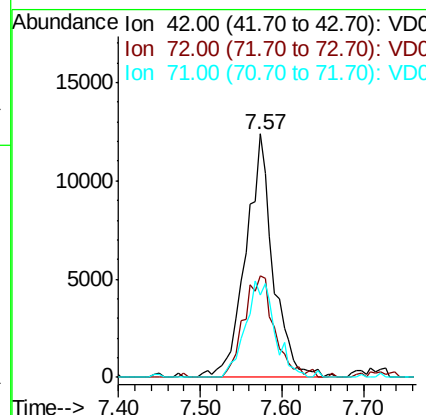
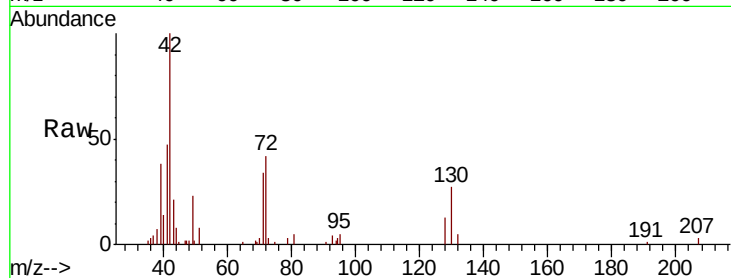




#29
Tetrahydrofuran
Concen: 94.511 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

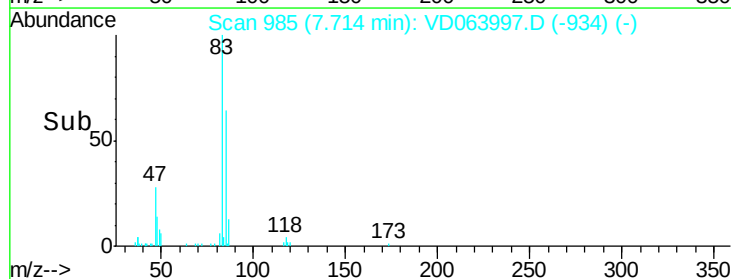
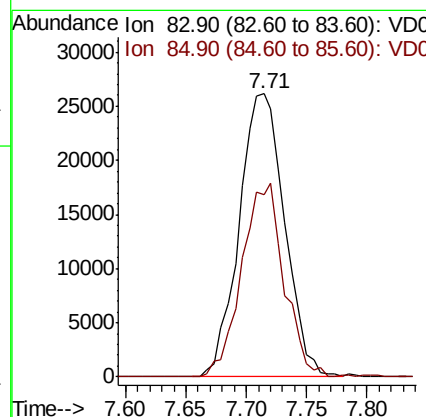
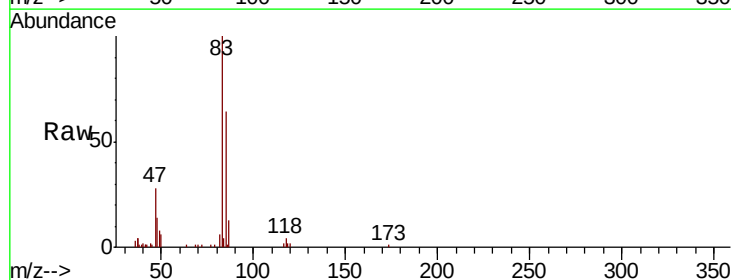
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

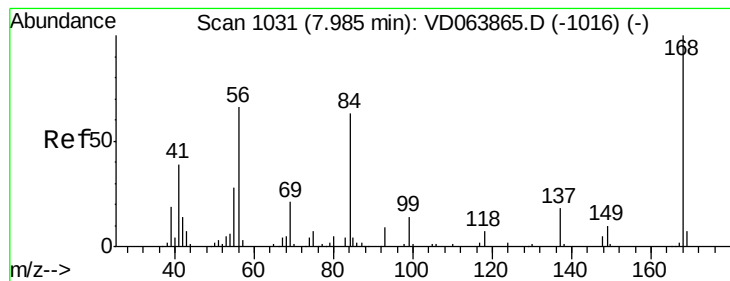
Tot Ion: 42 Resp: 28865
Ion Ratio Lower Upper
42 100
72 46.8 37.6 56.4
71 42.3 35.0 52.6



#30
Chloroform
Concen: 20.608 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 83 Resp: 68340
Ion Ratio Lower Upper
83 100
85 64.4 48.9 73.3





#31

Cyclohexane

Concen: 23.445 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

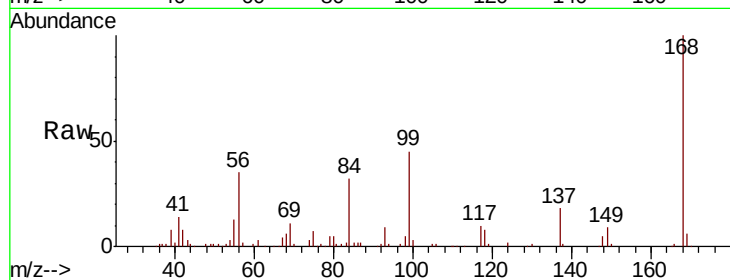
Tot Ion: 56 Resp: 64534

Ion Ratio Lower Upper

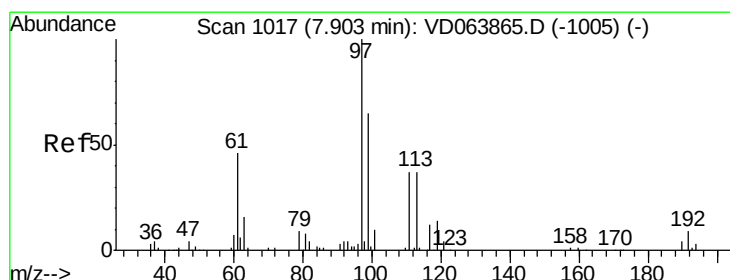
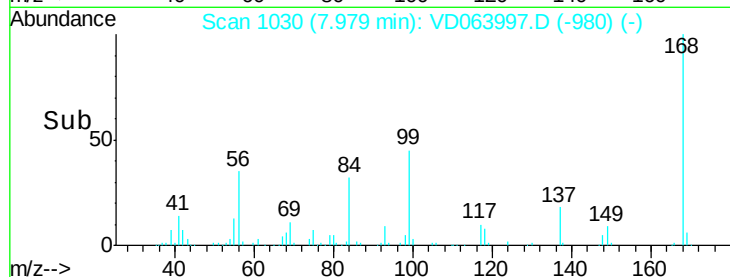
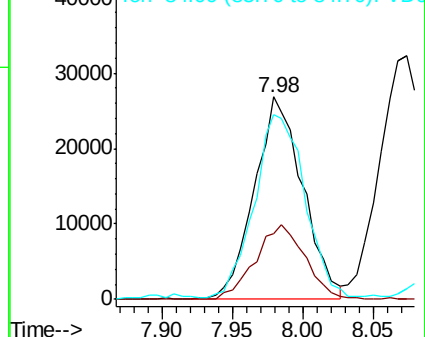
56 100

69 32.2 25.0 37.4

84 89.9 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: 21.724 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

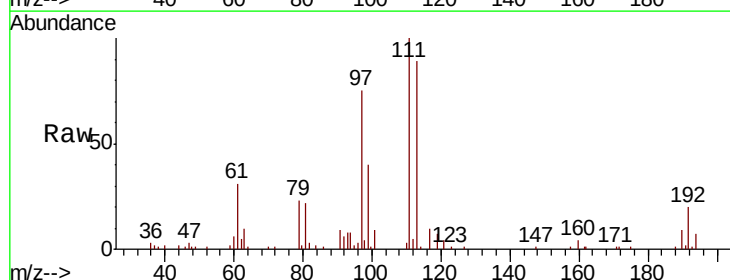
Tgt Ion: 97 Resp: 61797

Ion Ratio Lower Upper

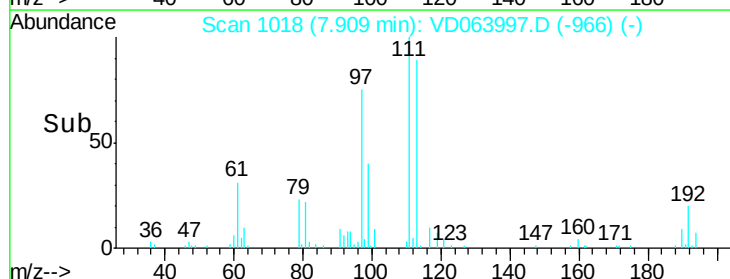
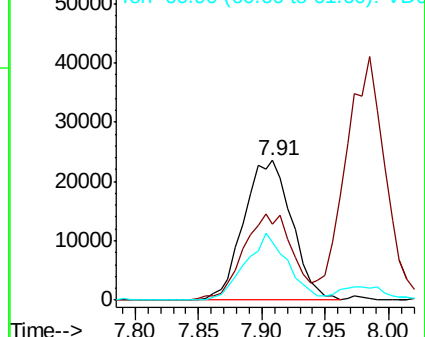
97 100

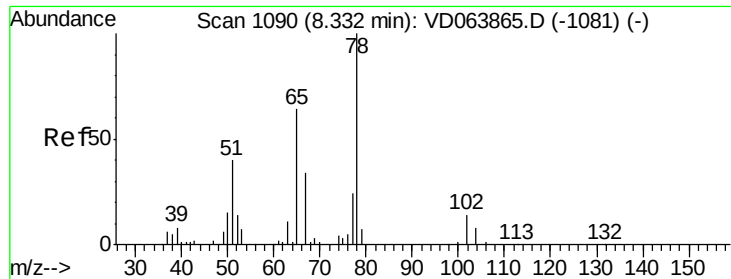
99 62.2 52.4 78.6

61 42.5 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

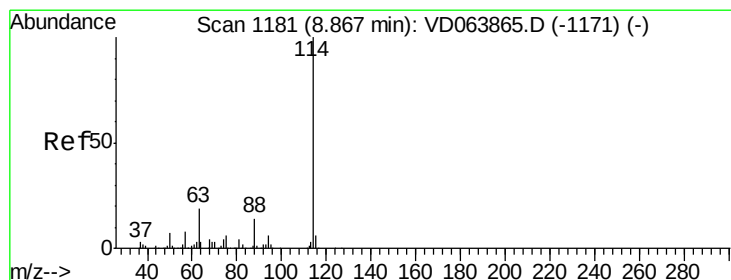
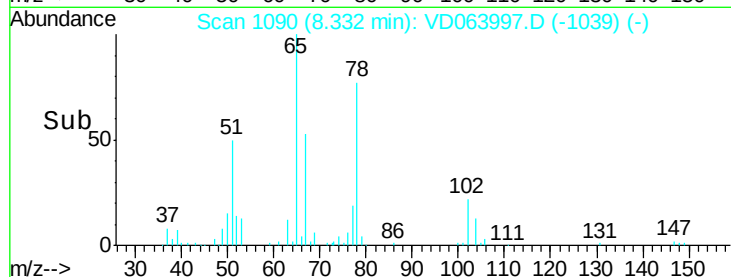
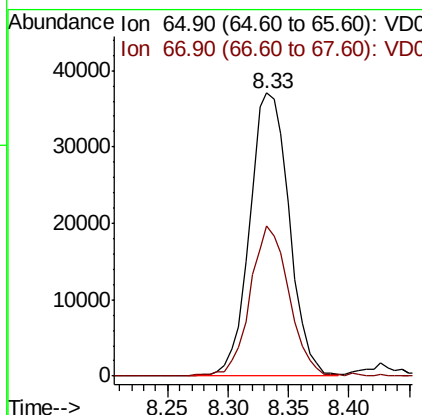
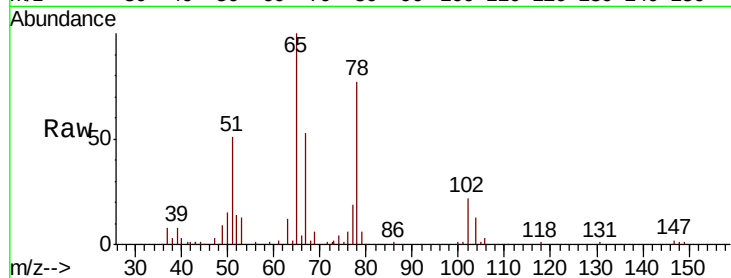




#33
 1,2-Dichloroethane-d4
 Concen: 49.901 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

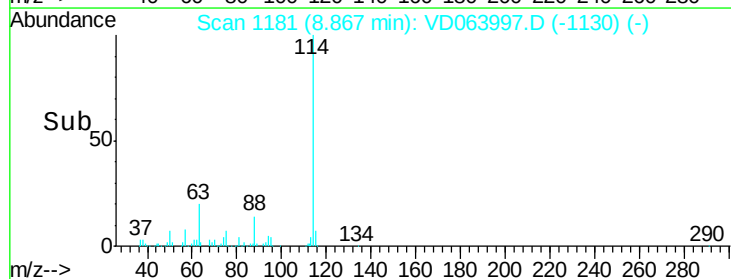
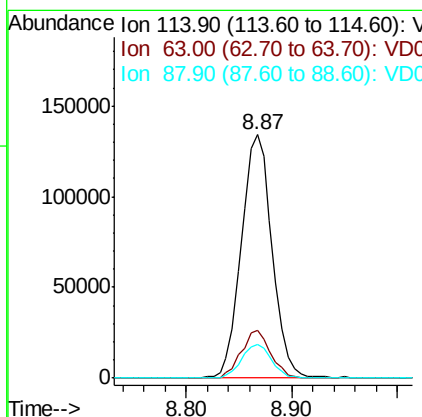
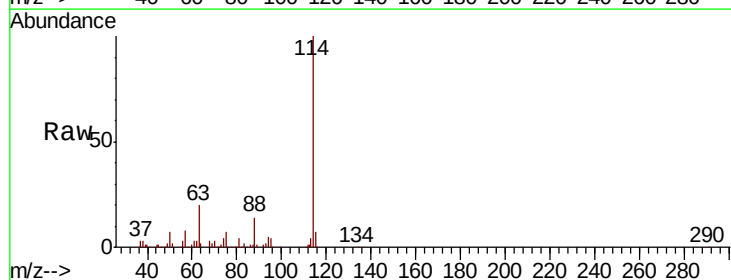
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

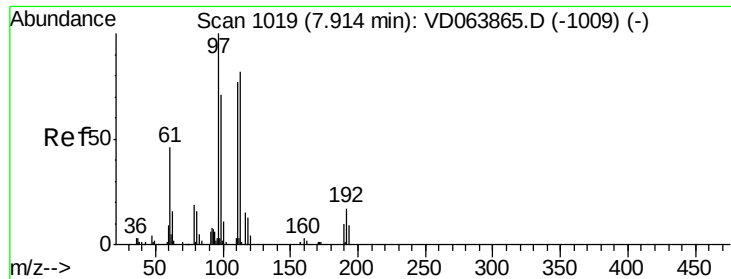
Tot Ion: 65 Resp: 84625
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 114 Resp: 271092
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 13.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 50.620 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

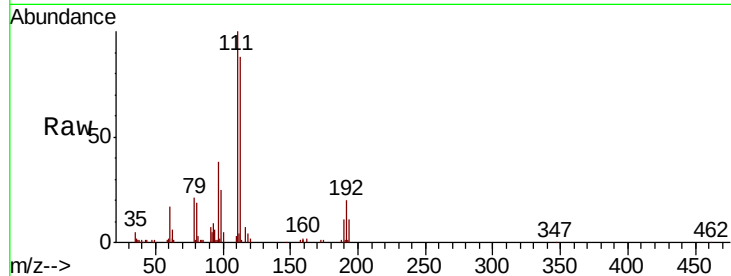
Tot Ion:113 Resp: 83863

Ion Ratio Lower Upper

113 100

111 108.1 82.6 123.8

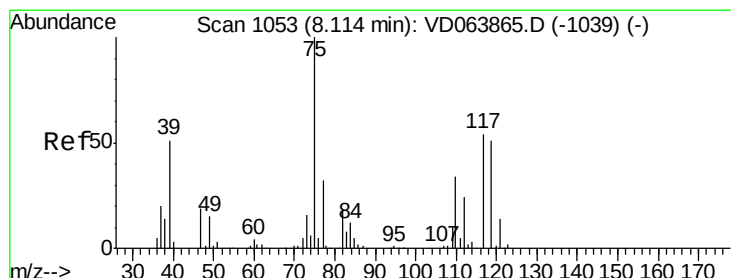
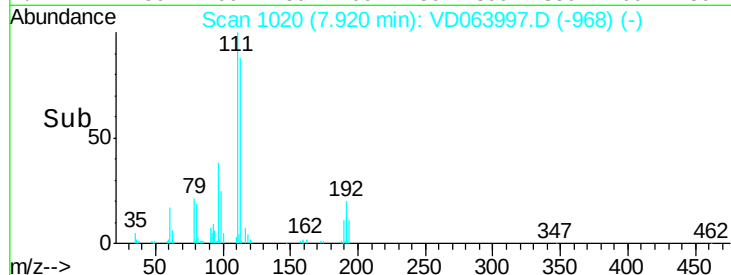
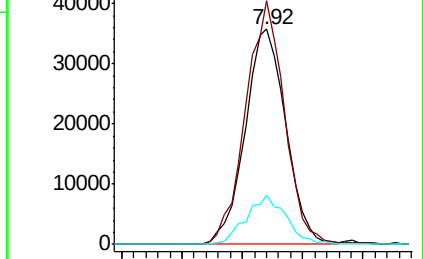
192 22.2 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.059 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

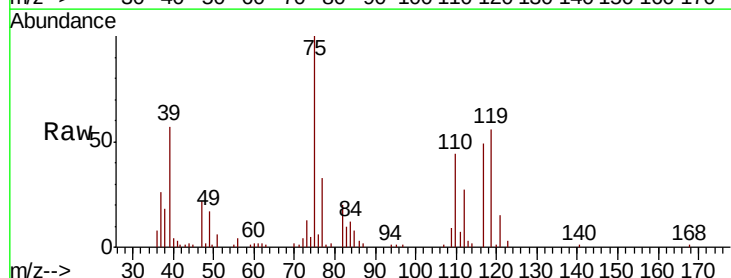
Tgt Ion: 75 Resp: 54677

Ion Ratio Lower Upper

75 100

110 38.9 17.4 52.3

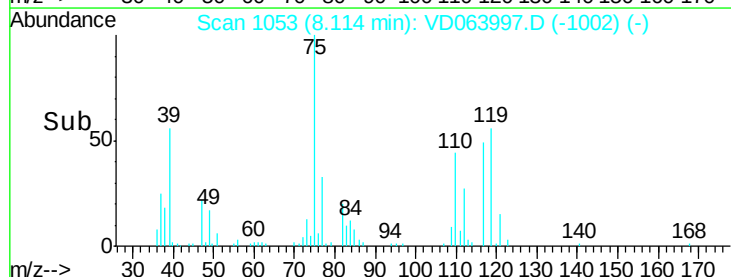
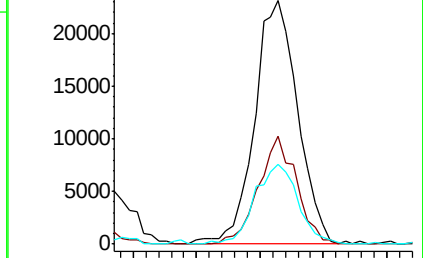
77 32.9 25.4 38.0

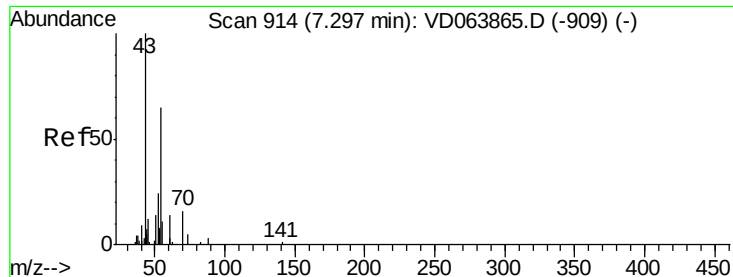


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

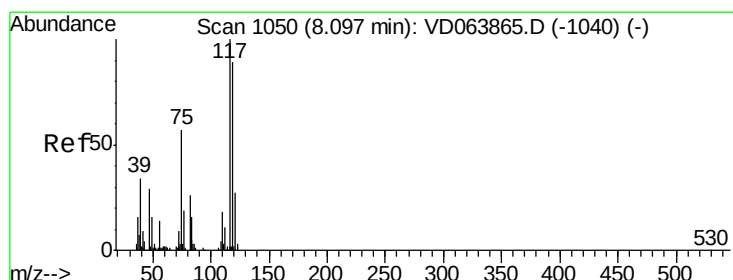
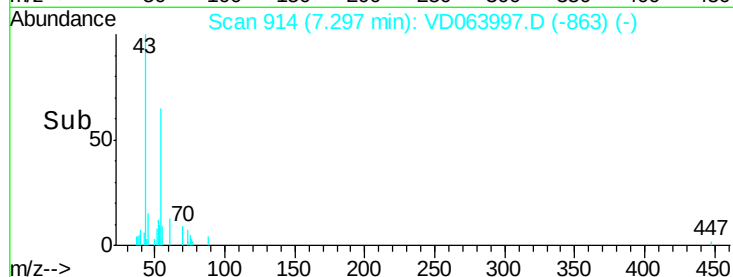
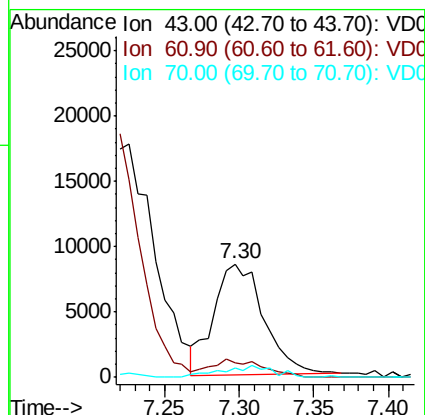
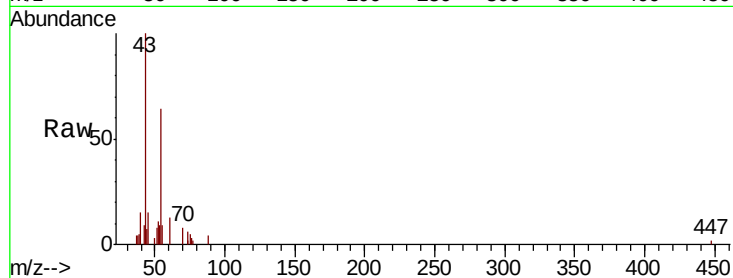




#37
Ethyl Acetate
Concen: 17.403 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

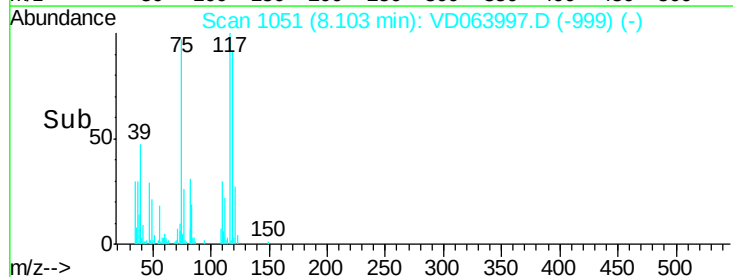
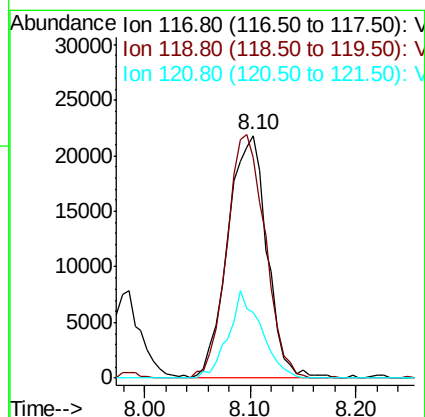
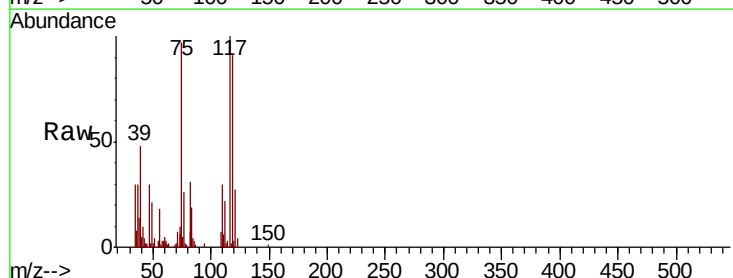
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

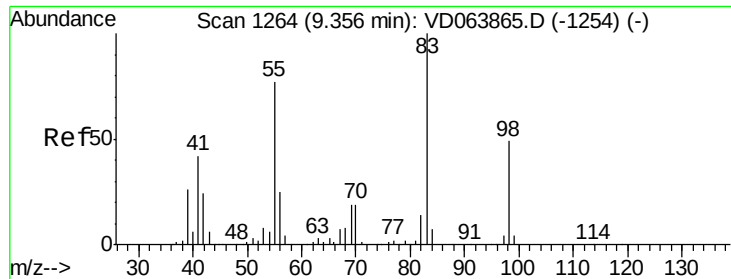
Tot Ion: 43 Resp: 19881
Ion Ratio Lower Upper
43 100
61 15.8 11.5 17.3
70 11.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 22.399 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 117 Resp: 56104
Ion Ratio Lower Upper
117 100
119 90.8 70.8 106.2
121 27.3 21.4 32.0

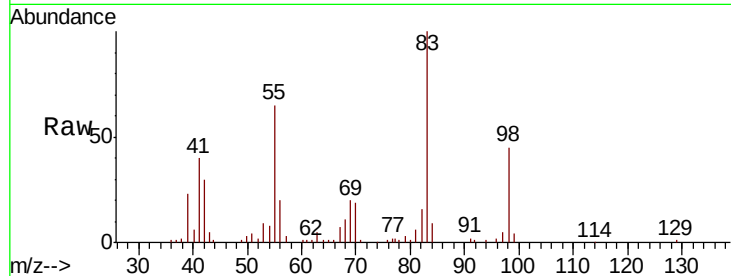




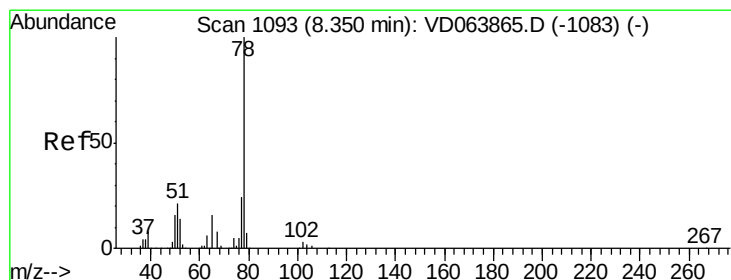
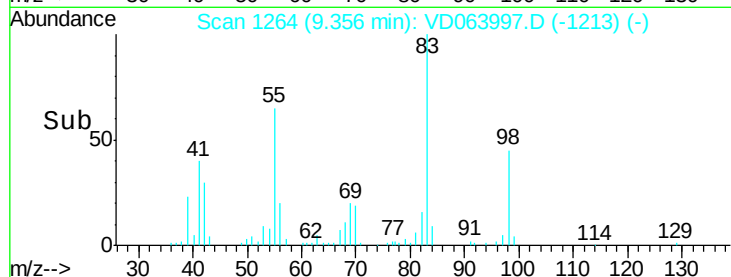
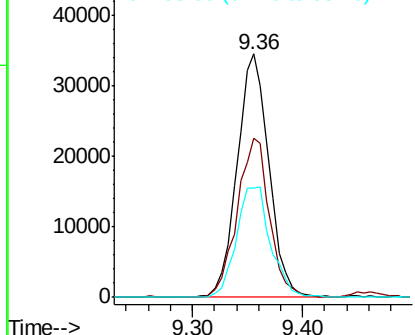
#39
Methylvlcyclohexane
Concen: 22.907 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

Tot Ion	83.00	Resp	69813
Ion	Ratio	Lower	Upper
83	100		
55	65.4	61.3	91.9
98	44.6	39.3	58.9

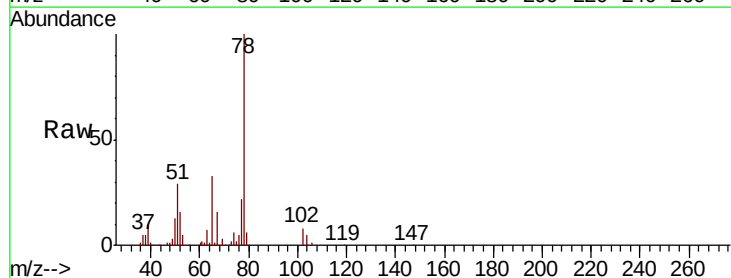


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

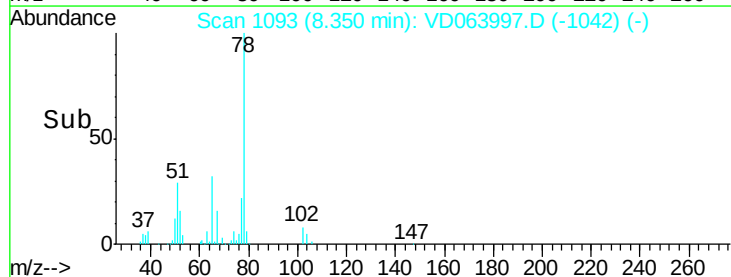
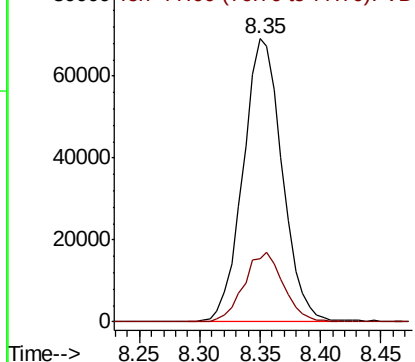


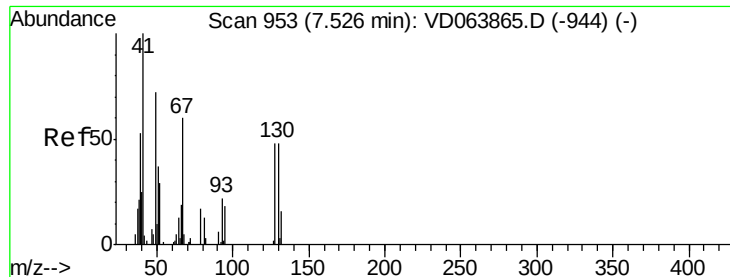
#40
Benzene
Concen: 21.916 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion	78.00	Resp	155674
Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.6



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

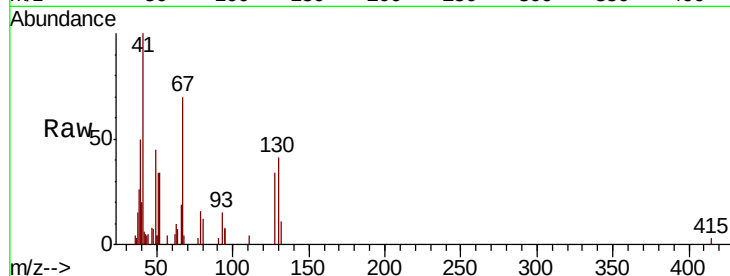




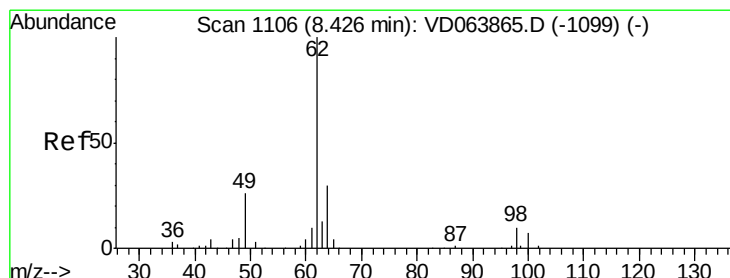
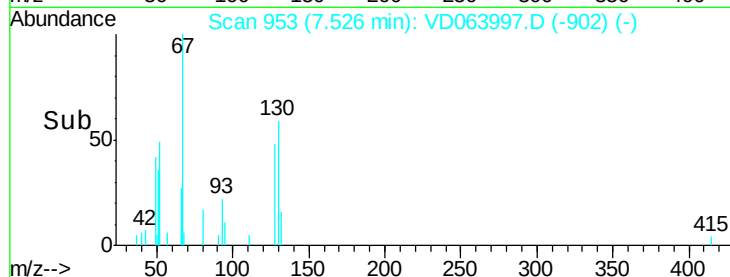
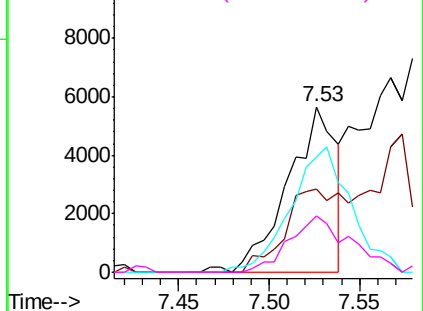
#41
Methacrylonitrile
Concen: 18.409 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

Tot Ion: 41 Resp: 10579
Ion Ratio Lower Upper
41 100
39 62.6 52.6 78.8
67 93.9 74.2 111.2
52 42.9 34.0 51.0

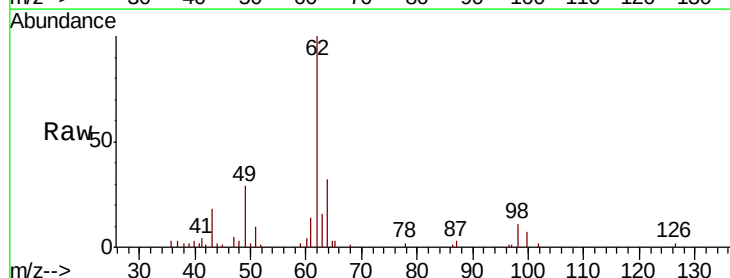


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

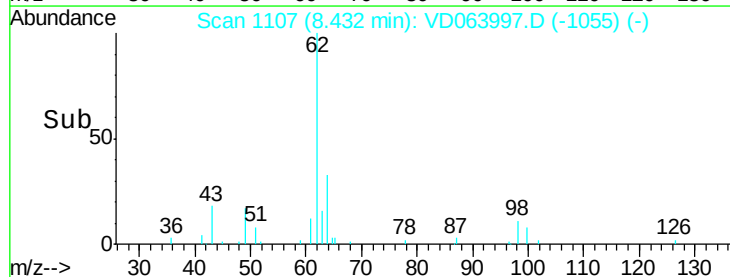
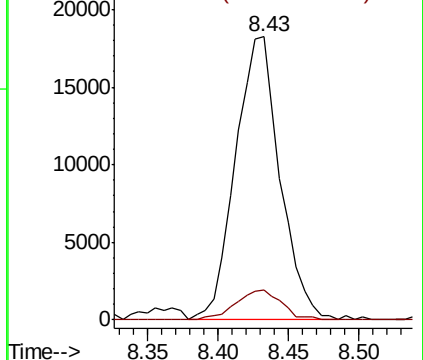


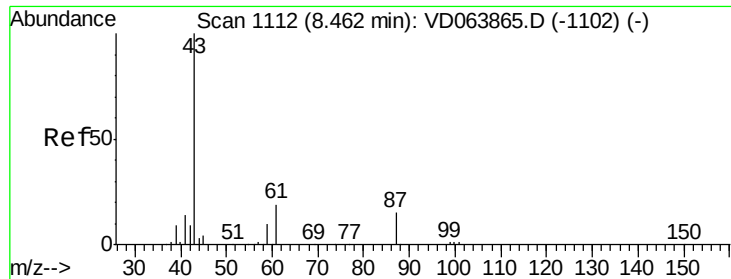
#42
1,2-Dichloroethane
Concen: 19.592 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 62 Resp: 40255
Ion Ratio Lower Upper
62 100
98 10.9 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 19.077 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

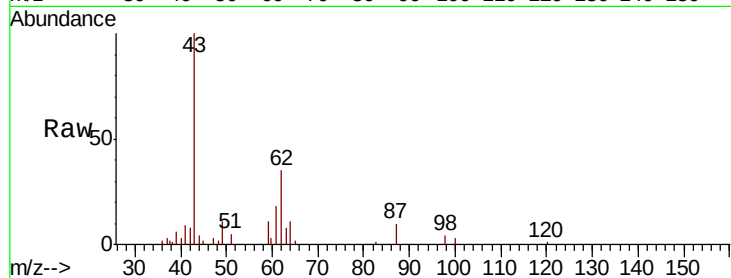
Tot Ion: 43 Resp: 39656

Ion Ratio Lower Upper

43 100

61 31.5 25.7 38.5

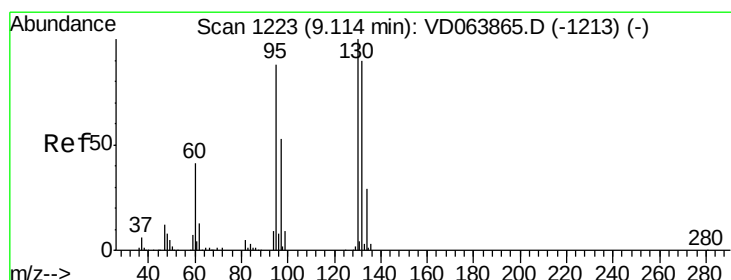
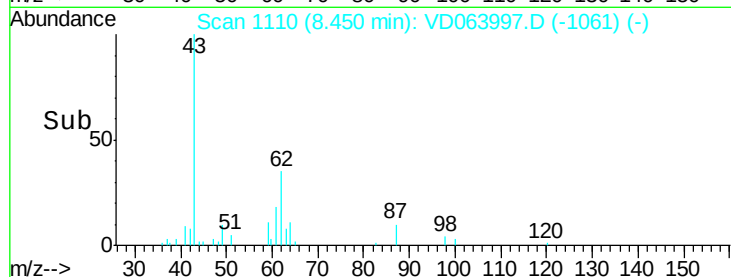
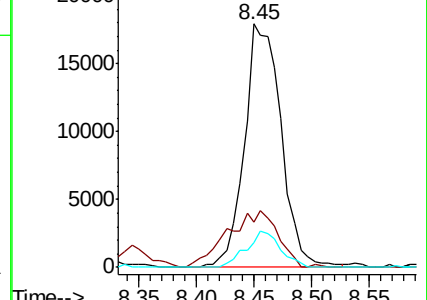
87 13.8 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.862 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063997.D

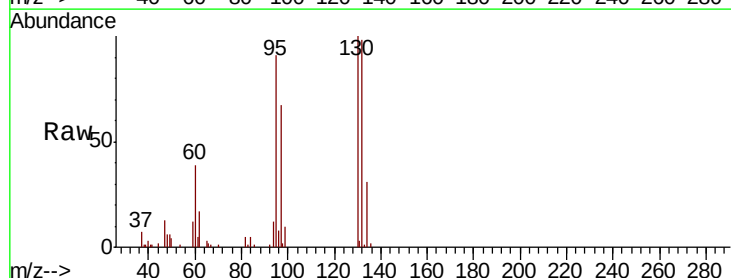
Acq: 17 Oct 2019 11:23

Tgt Ion: 130 Resp: 42730

Ion Ratio Lower Upper

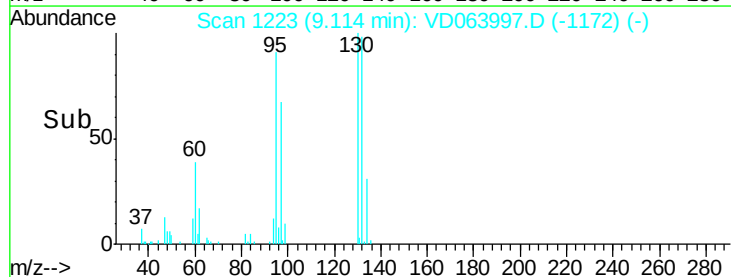
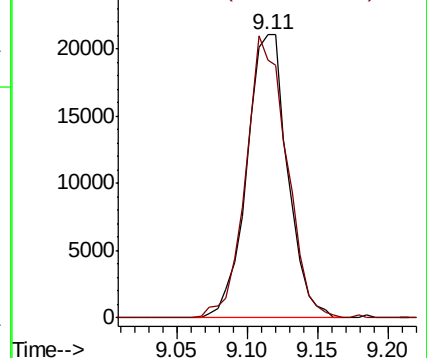
130 100

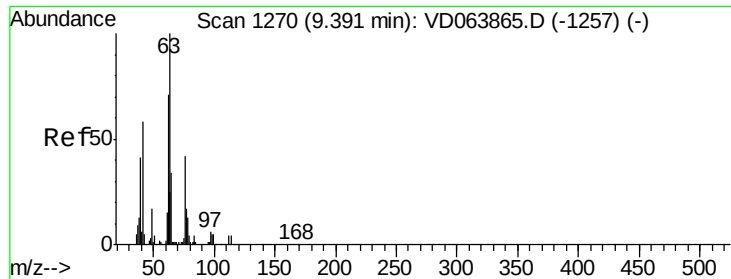
95 91.0 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

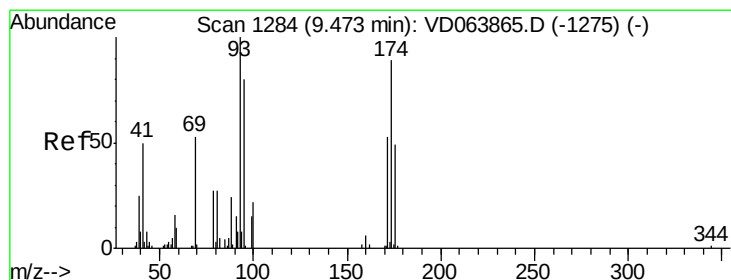
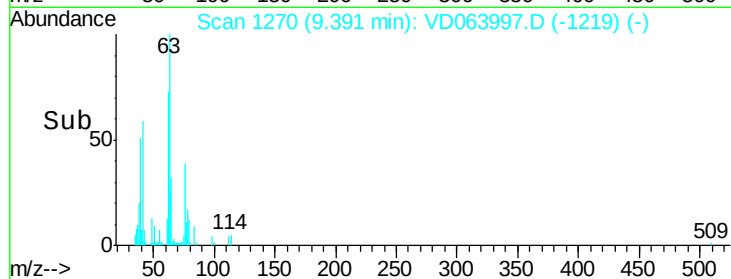
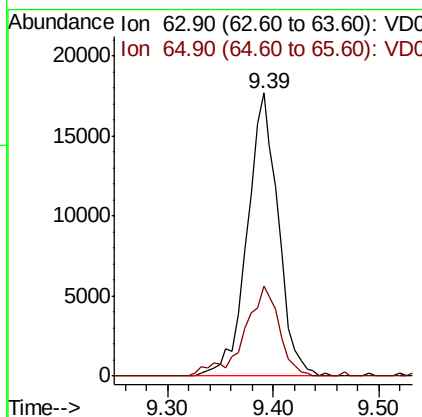
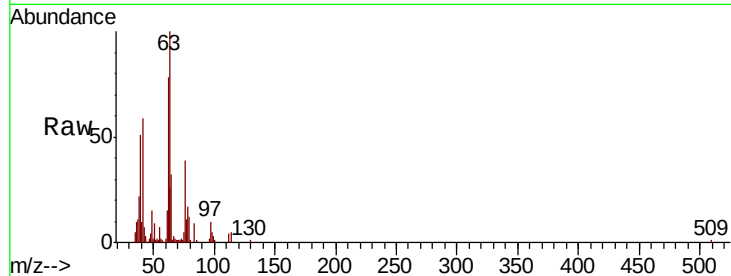




#45
 1,2-Dichloropropane
 Concen: 20.742 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

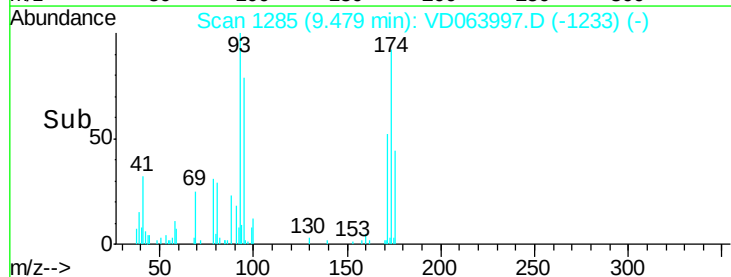
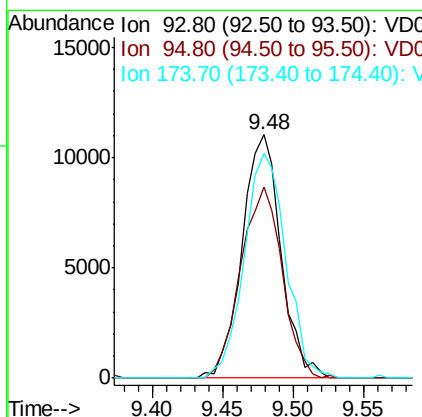
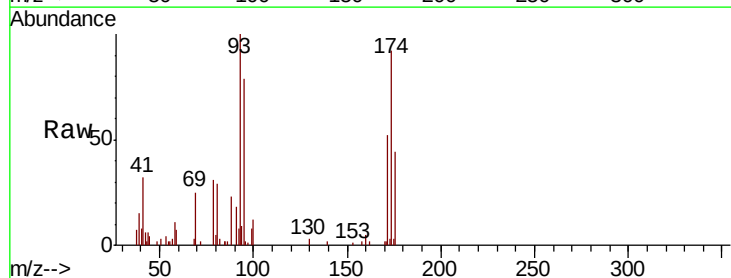
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

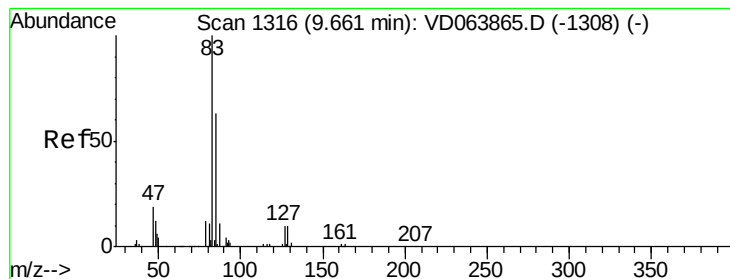
Tot Ion: 63 Resp: 36062
 Ion Ratio Lower Upper
 63 100
 65 31.7 27.3 40.9



#46
 Dibromomethane
 Concen: 21.522 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 93 Resp: 21310
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.0 99.0
 174 98.8 83.4 125.0





#47

Bromodichloromethane

Concen: 19.746 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

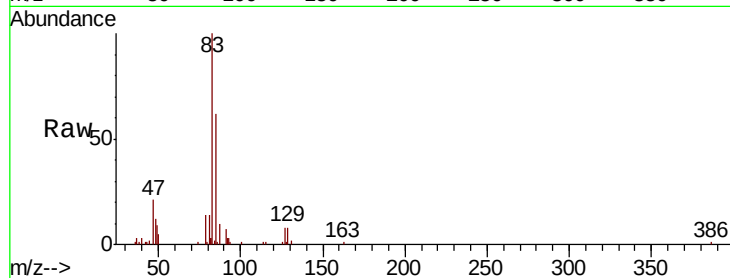
Tot Ion: 83 Resp: 50338

Ion Ratio Lower Upper

83 100

85 61.8 50.2 75.2

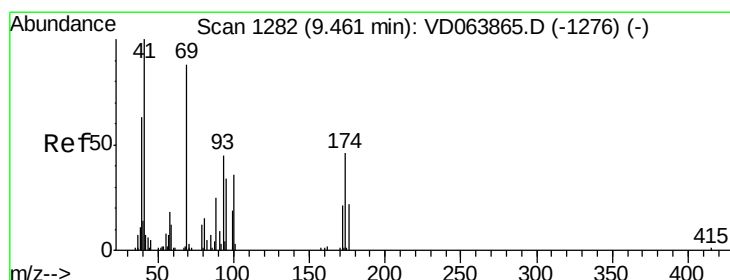
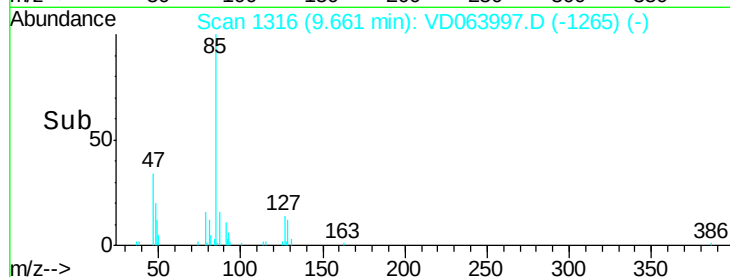
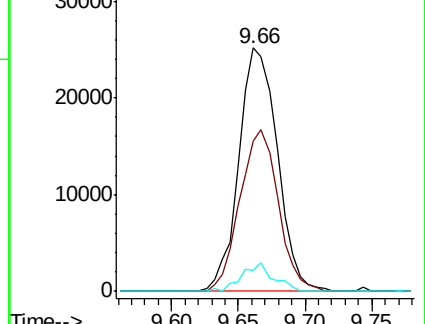
127 8.4 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.744 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

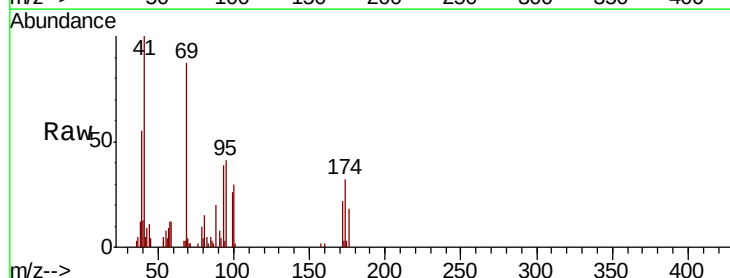
Tgt Ion: 41 Resp: 20660

Ion Ratio Lower Upper

41 100

69 86.7 75.1 112.7

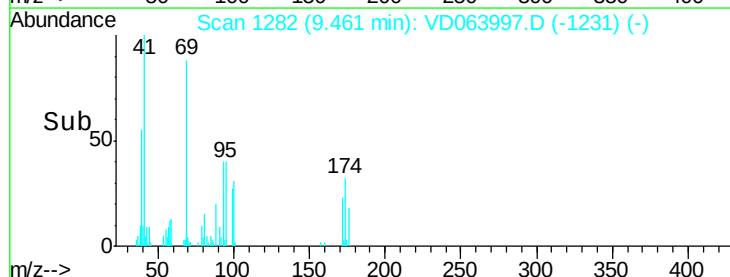
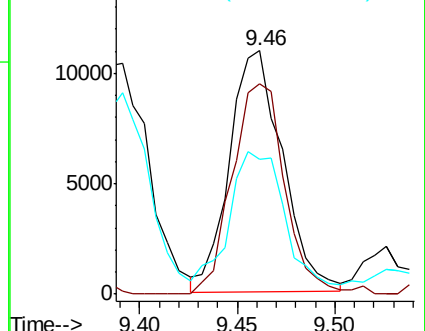
39 64.2 50.2 75.2

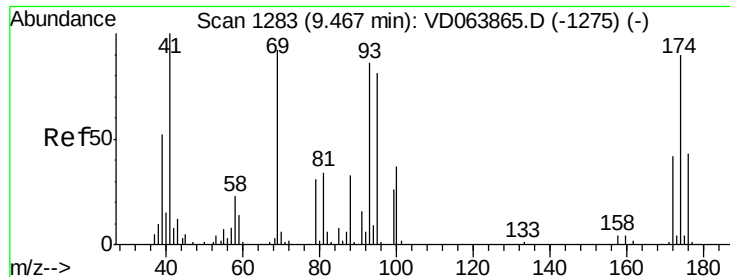


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 401.909 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

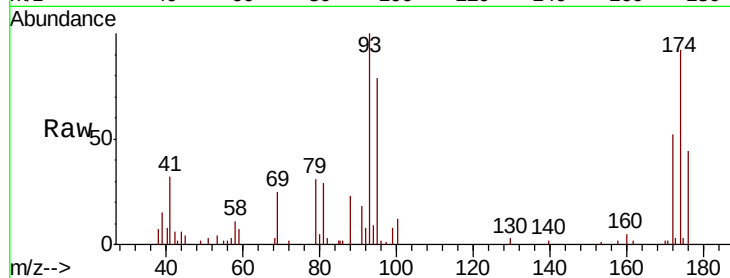
Tot Ion: 88 Resp: 5432

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

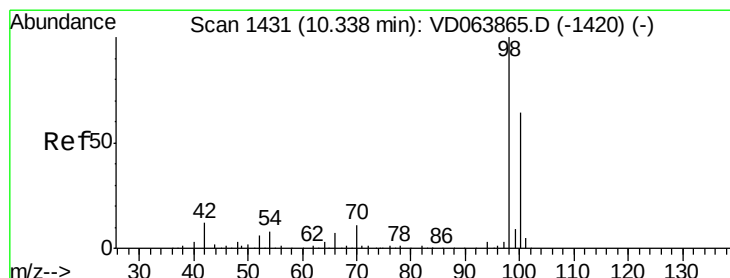
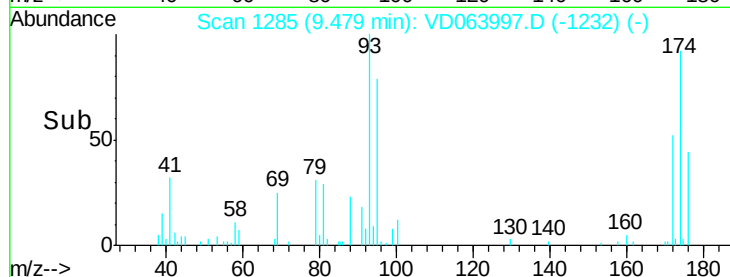
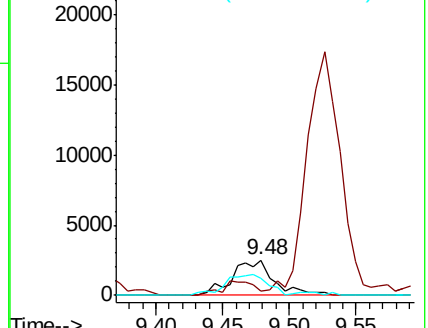
58 61.2 54.1 81.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.105 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063997.D

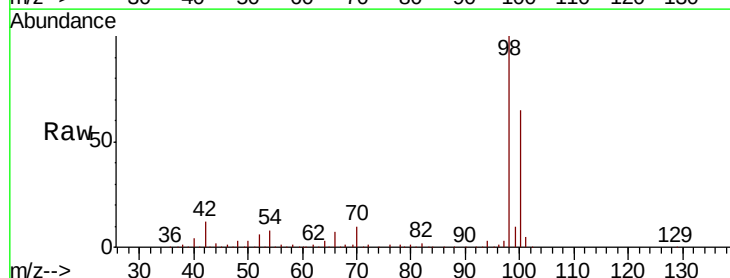
Acq: 17 Oct 2019 11:23

Tgt Ion: 98 Resp: 363820

Ion Ratio Lower Upper

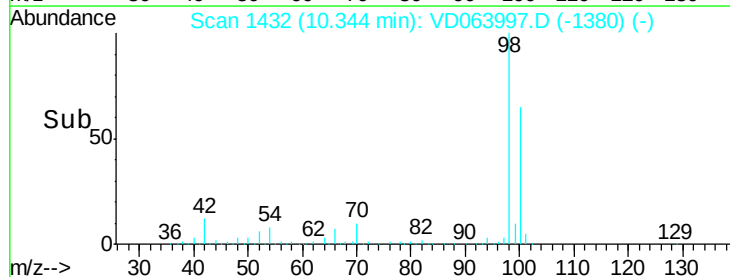
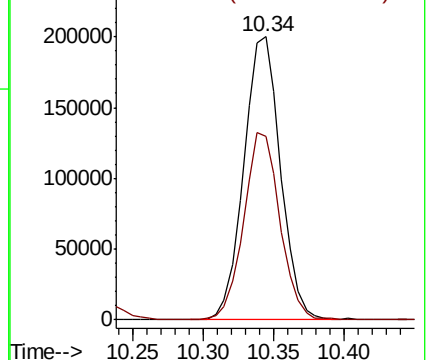
98 100

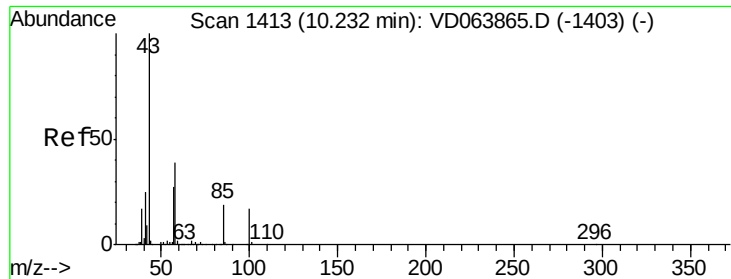
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 95.350 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

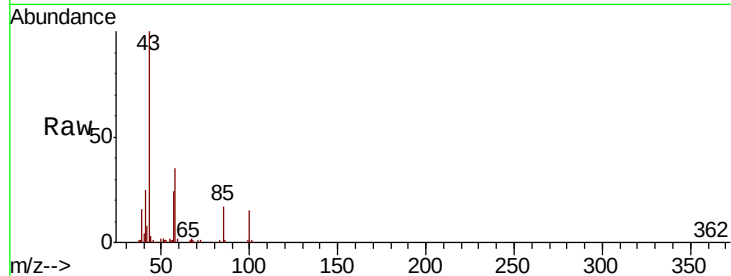
VD1017SBS01

Tot Ion: 43 Resp: 102793

Ion Ratio Lower Upper

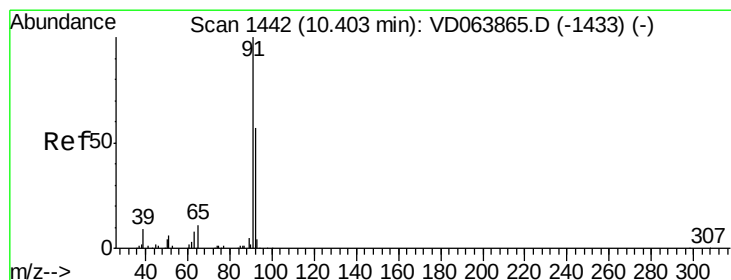
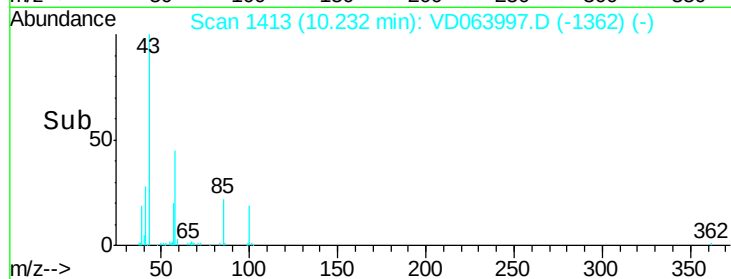
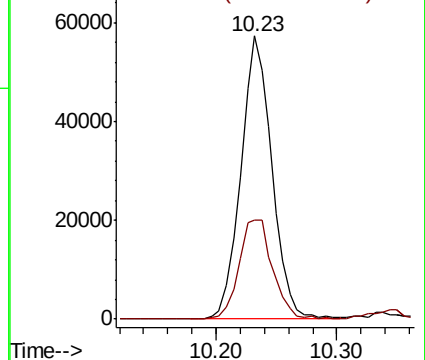
43 100

58 38.0 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.243 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063997.D

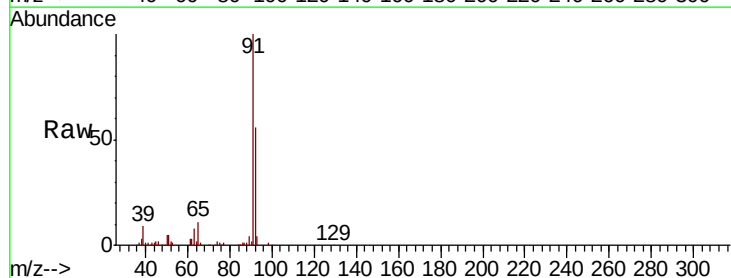
Acq: 17 Oct 2019 11:23

Tgt Ion: 92 Resp: 103585

Ion Ratio Lower Upper

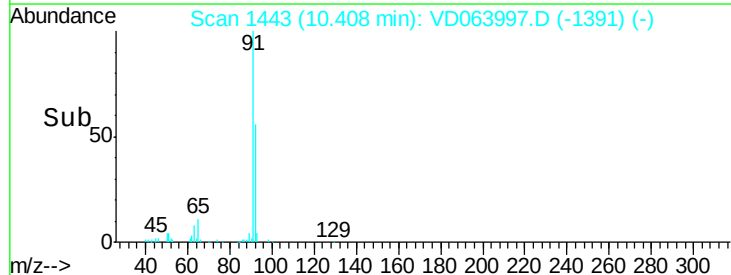
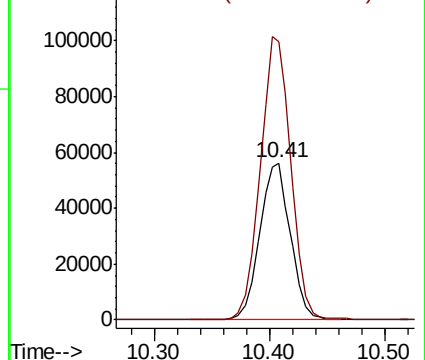
92 100

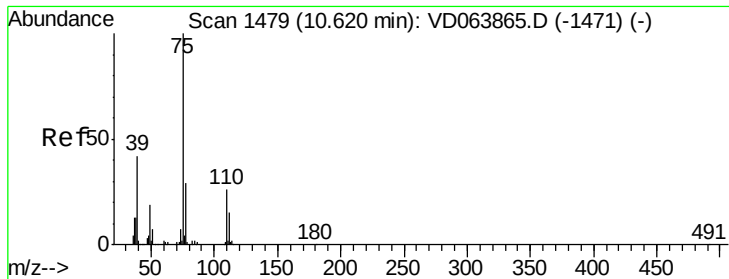
91 180.3 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.562 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

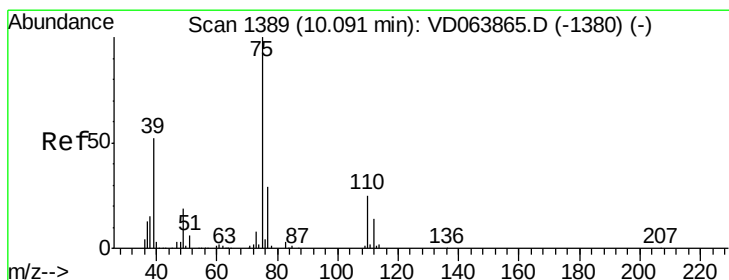
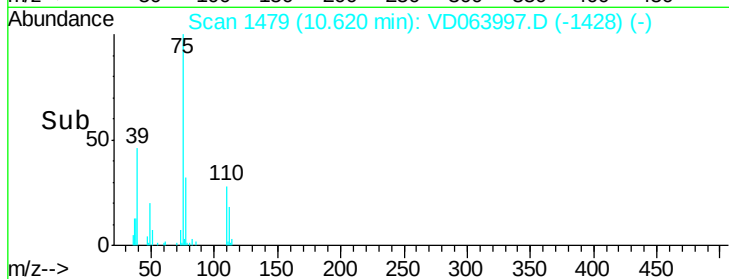
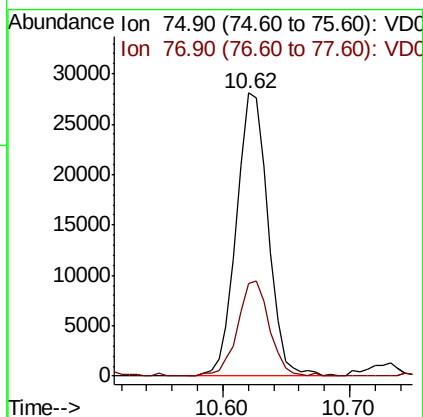
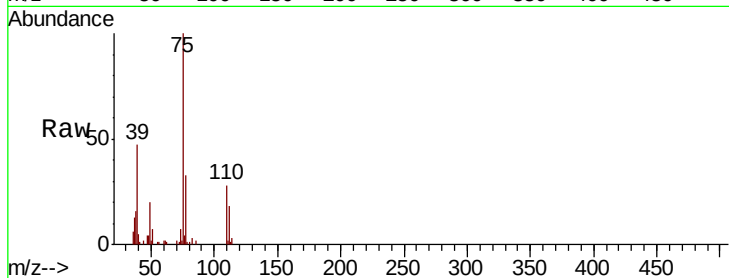
VD1017SBS01

Tot Ion: 75 Resp: 48662

Ion Ratio Lower Upper

75 100

77 32.7 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 20.596 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

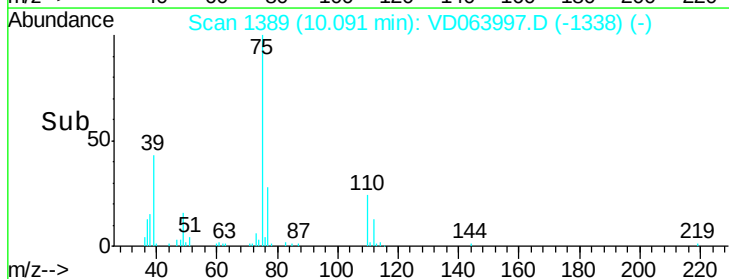
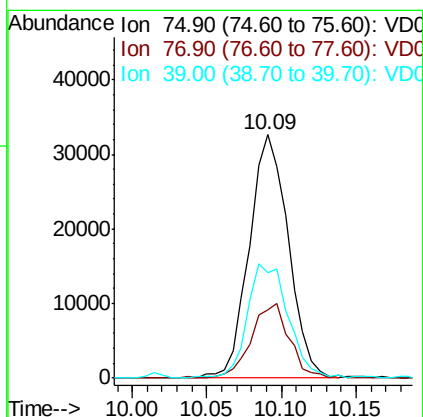
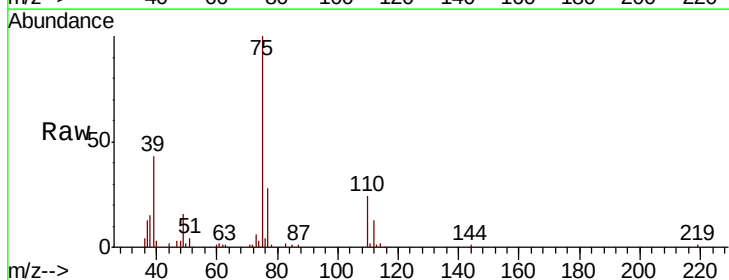
Tgt Ion: 75 Resp: 58978

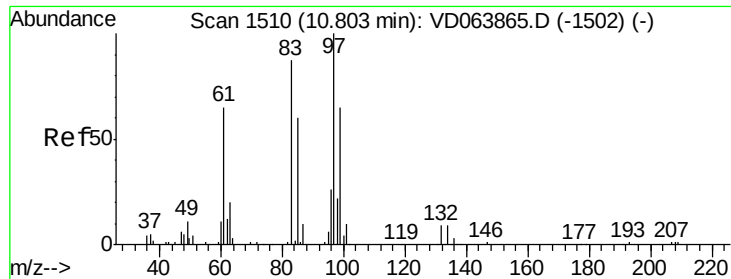
Ion Ratio Lower Upper

75 100

77 27.8 23.2 34.8

39 43.2 41.5 62.3



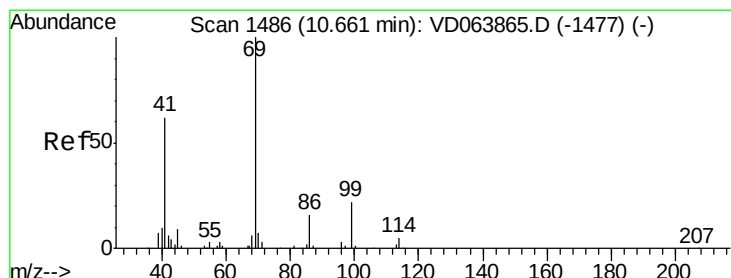
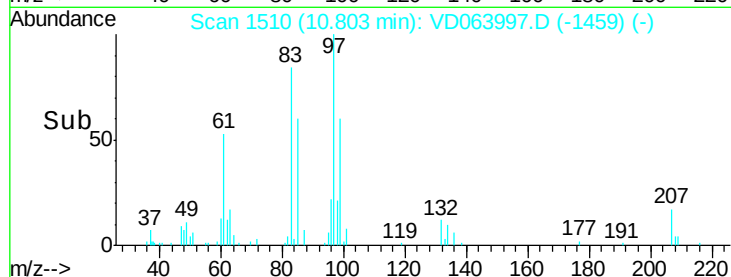
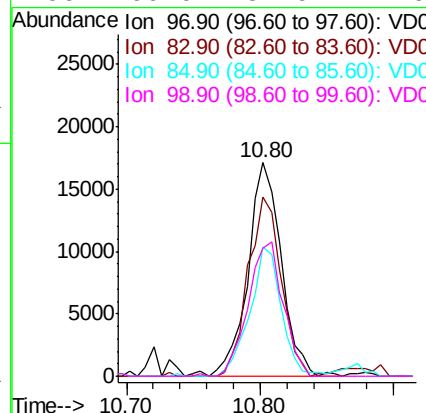
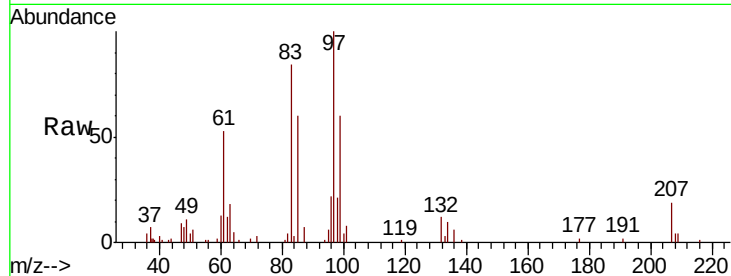


#55
 1,1,2-Trichloroethane
 Concen: 21.121 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

Tot Ion: 97 Resp: 29528

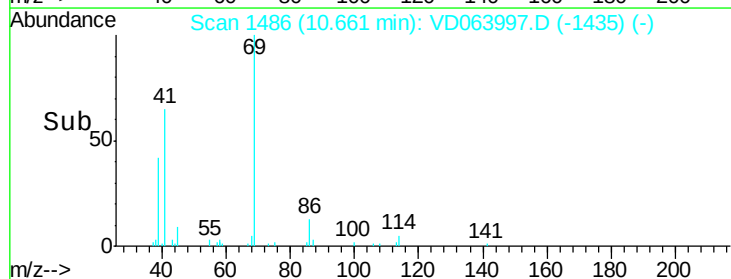
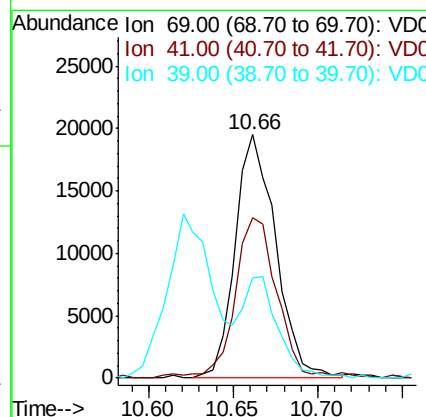
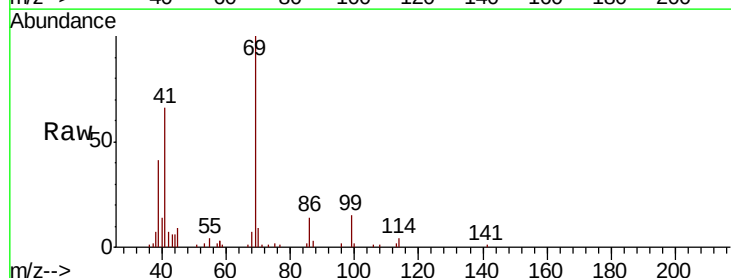
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.7	104.5
85	60.4	48.1	72.1
99	60.0	51.9	77.9

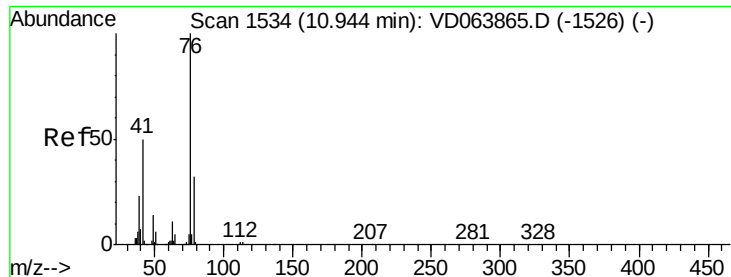


#56
 Ethyl methacrylate
 Concen: 18.425 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 69 Resp: 32621

Ion	Ratio	Lower	Upper
69	100		
41	69.4	51.3	76.9
39	36.4	28.0	42.0





#57

1,3-Dichloropropane

Concen: 21.095 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

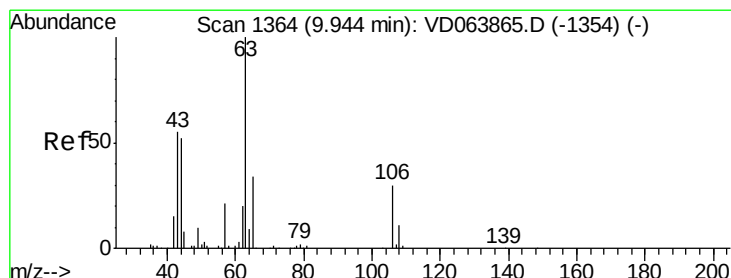
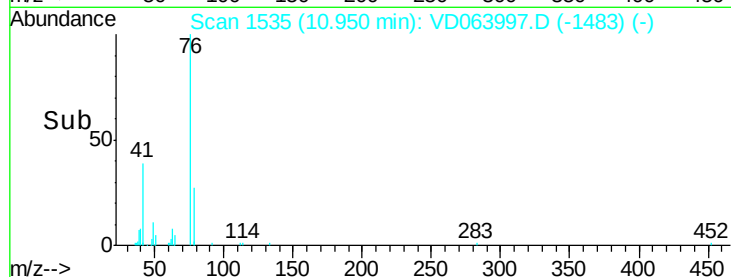
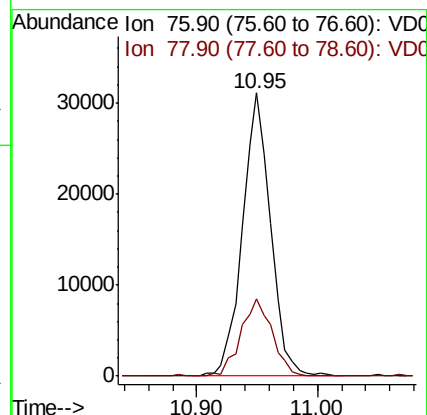
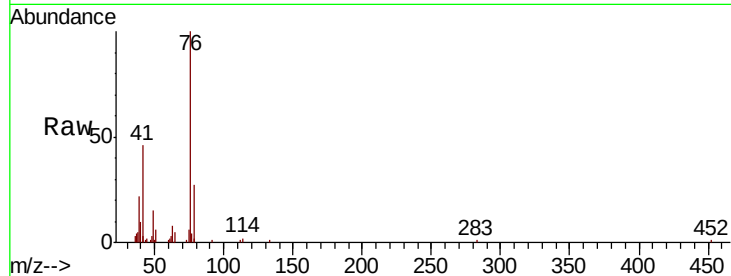
VD1017SBS01

Tot Ion: 76 Resp: 50459

Ion Ratio Lower Upper

76 100

78 30.4 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 97.965 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD063997.D

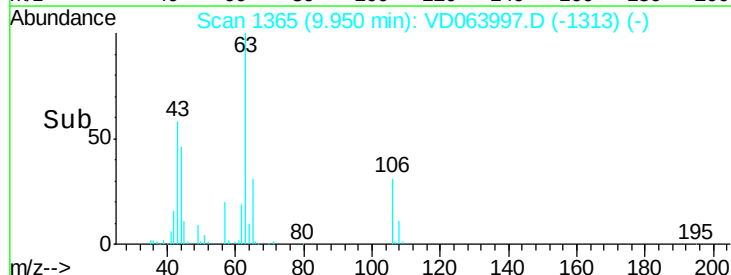
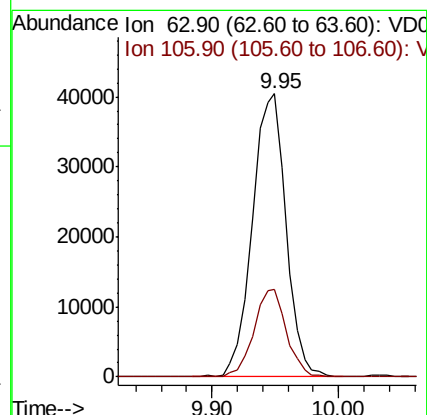
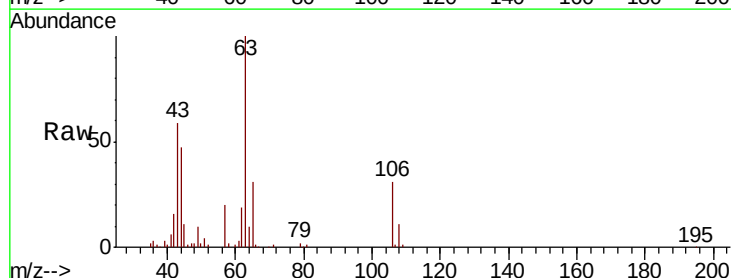
Acq: 17 Oct 2019 11:23

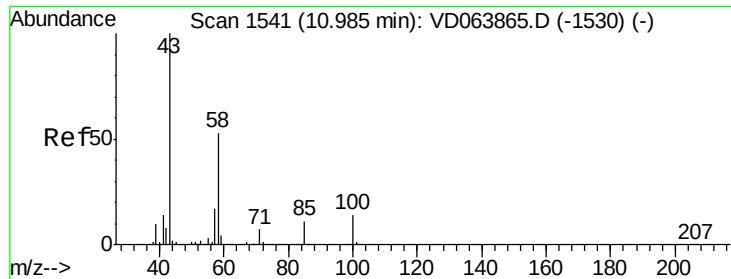
Tgt Ion: 63 Resp: 74551

Ion Ratio Lower Upper

63 100

106 30.0 24.3 36.5

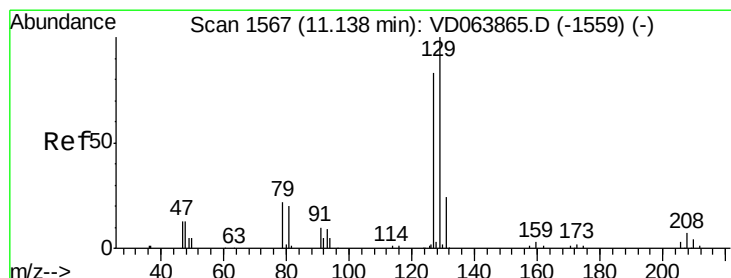
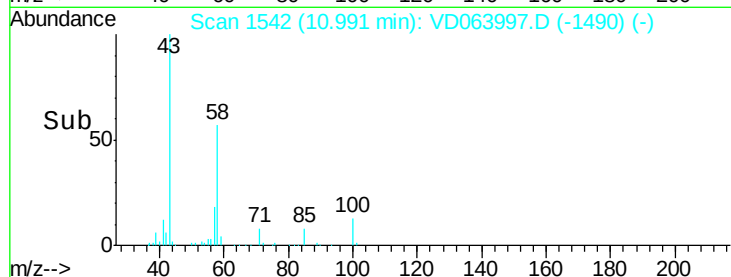
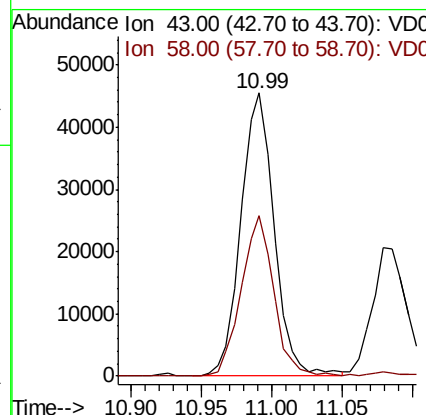
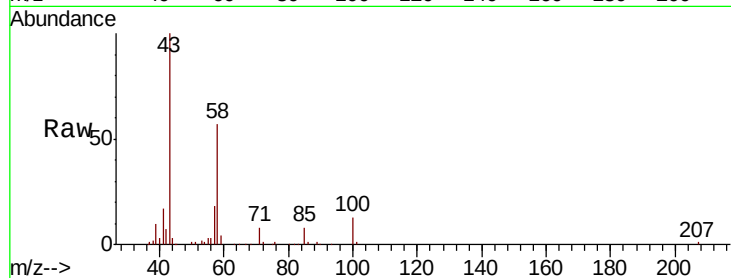




#59
2-Hexanone
Concen: 96.428 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

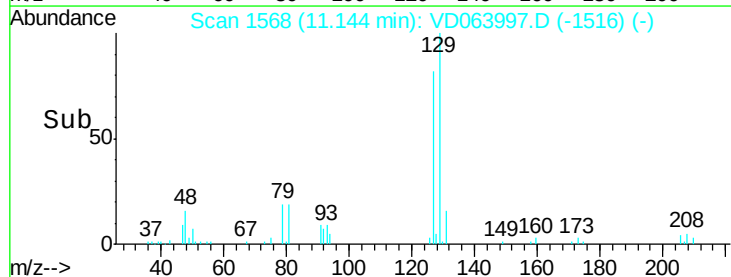
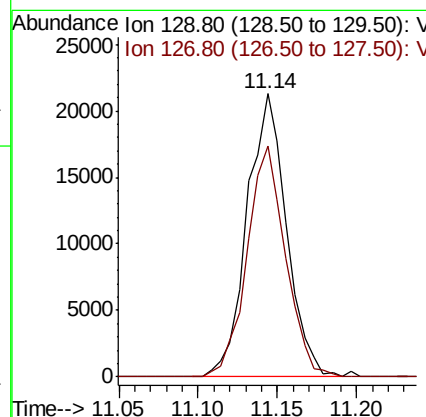
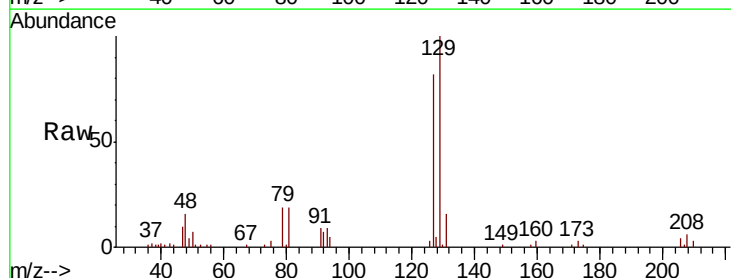
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

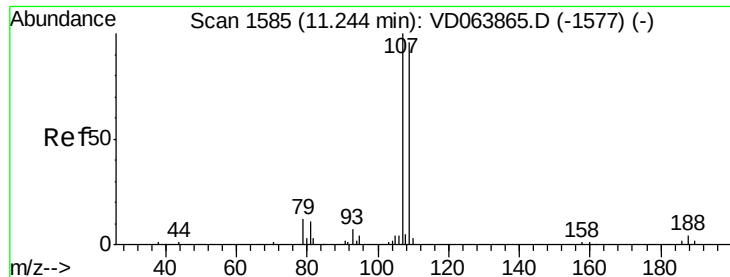
Tot Ion: 43 Resp: 75198
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.0



#60
Dibromochloromethane
Concen: 20.168 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 129 Resp: 36709
Ion Ratio Lower Upper
129 100
127 79.9 39.9 119.6

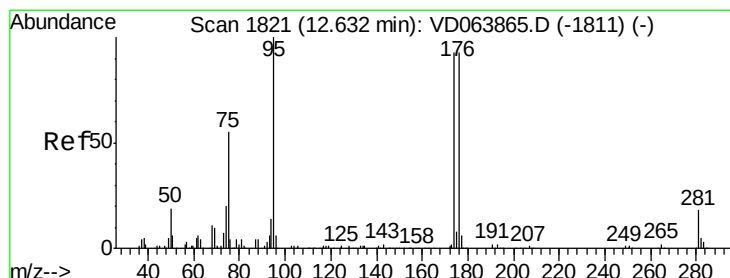
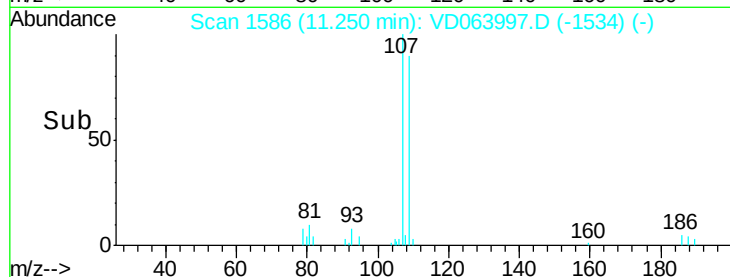
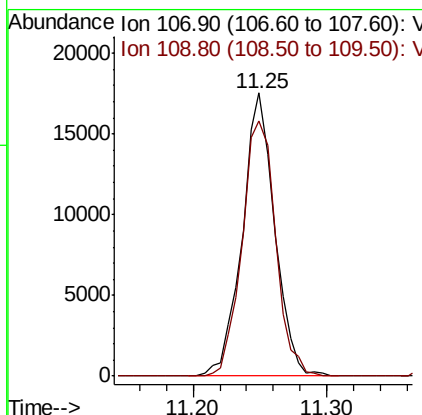
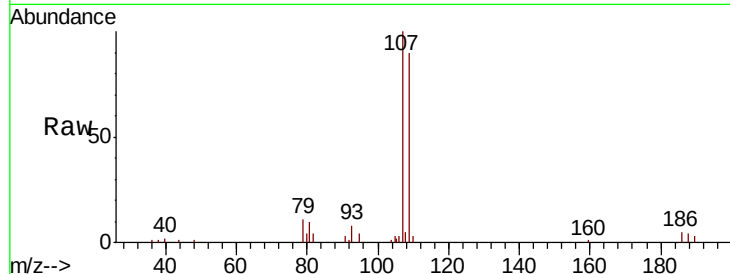




#61
 1,2-Dibromoethane
 Concen: 21.655 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

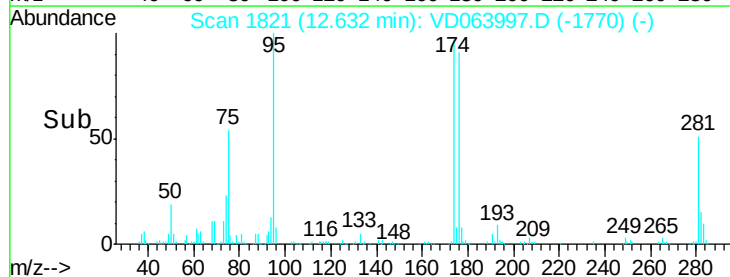
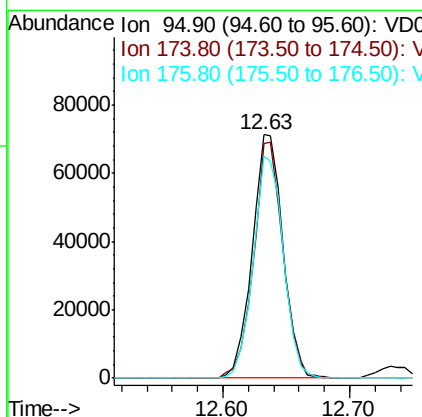
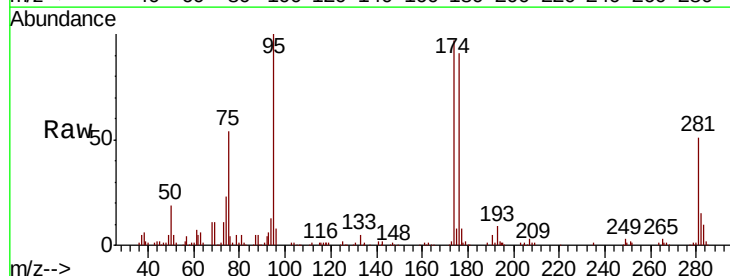
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

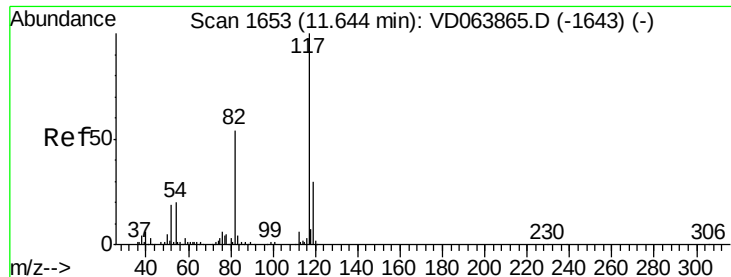
Tot Ion: 107 Resp: 29350
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.292 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 95 Resp: 119856
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 186.4
 176 89.8 0.0 184.2

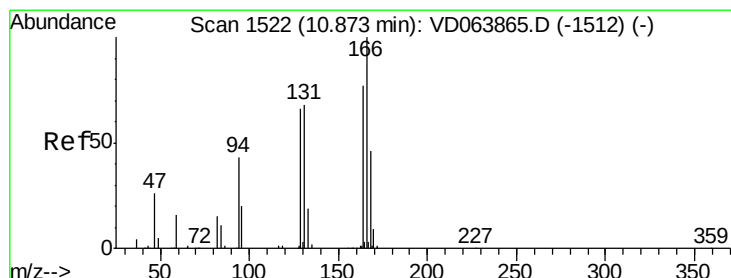
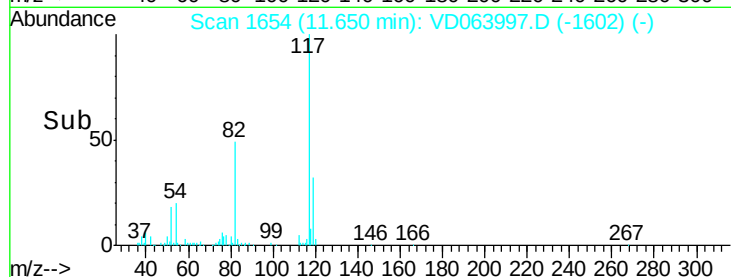
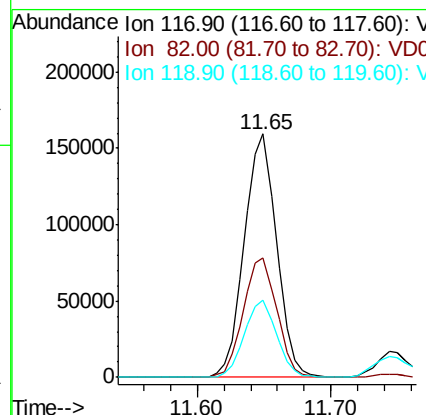
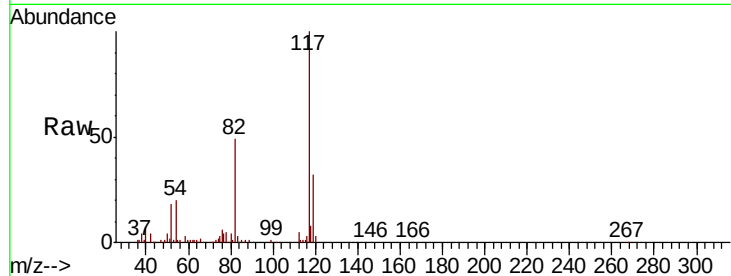




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

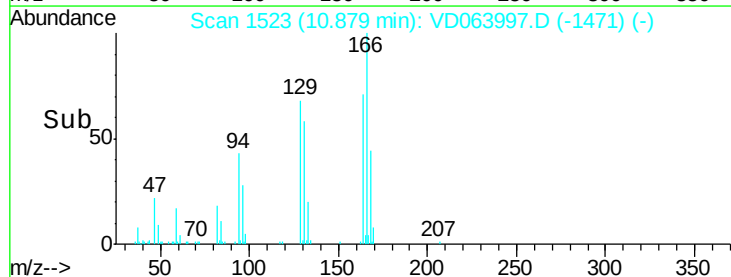
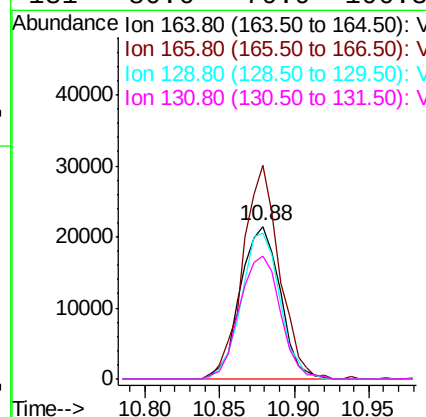
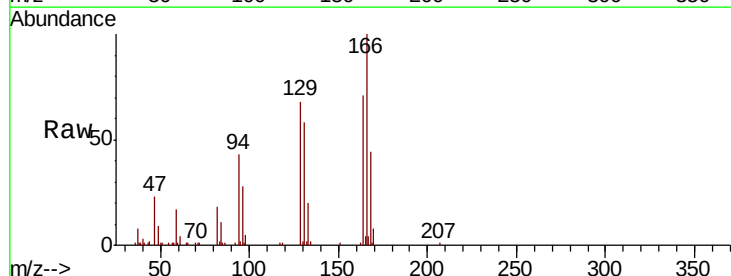
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

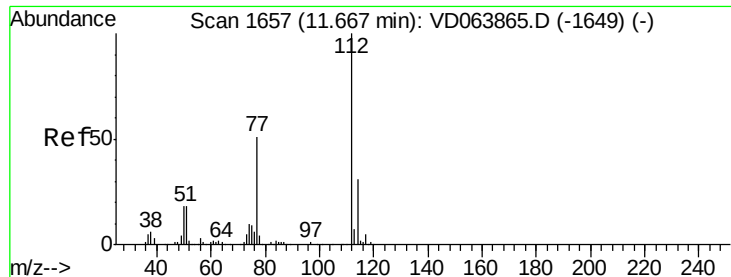
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	42.8	64.2
119	31.6	24.4	36.6



#64
Tetrachloroethene
Concen: 21.932 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	140.1	103.8	155.6
129	95.7	68.9	103.3
131	80.6	70.9	106.3

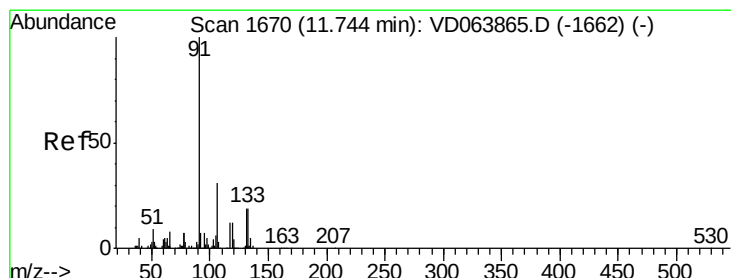
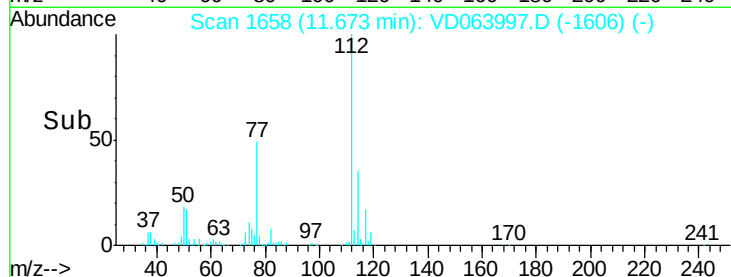
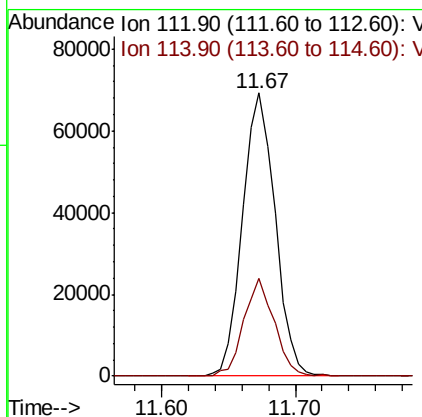
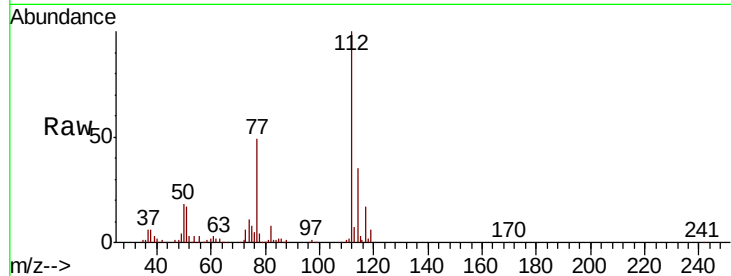




#65
Chlorobenzene
Concen: 21.825 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

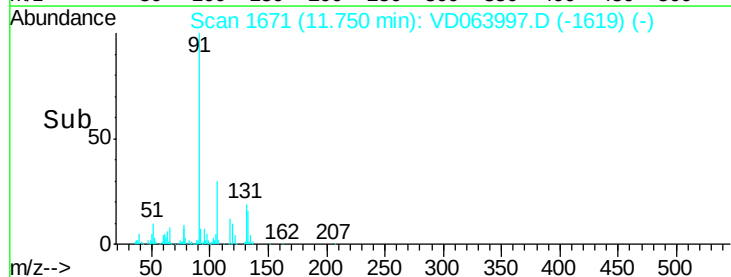
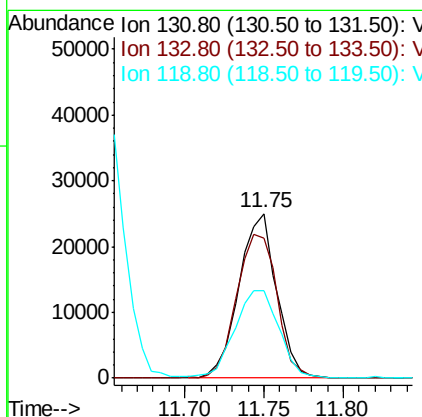
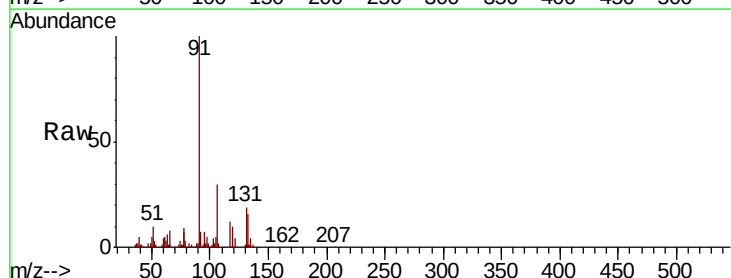
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

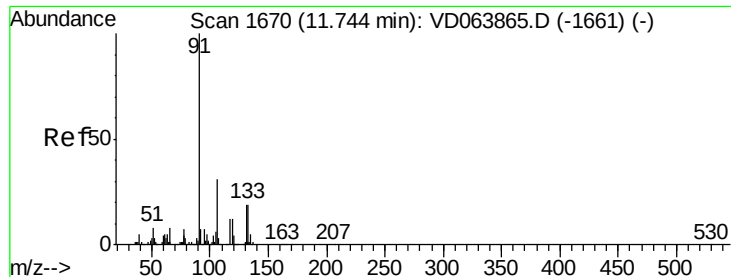
Tot Ion:112 Resp: 117025
Ion Ratio Lower Upper
112 100
114 34.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.858 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion:131 Resp: 41211
Ion Ratio Lower Upper
131 100
133 94.1 48.9 146.7
119 62.9 32.6 97.8





#67

Ethyl Benzene

Concen: 21.736 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

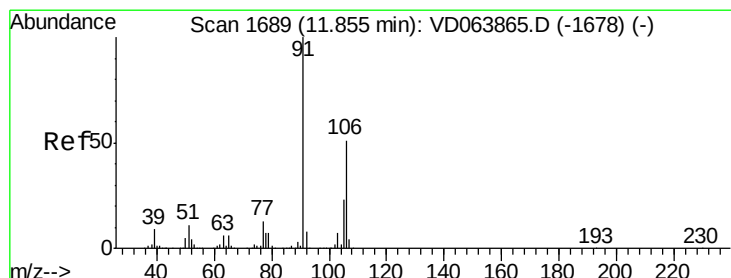
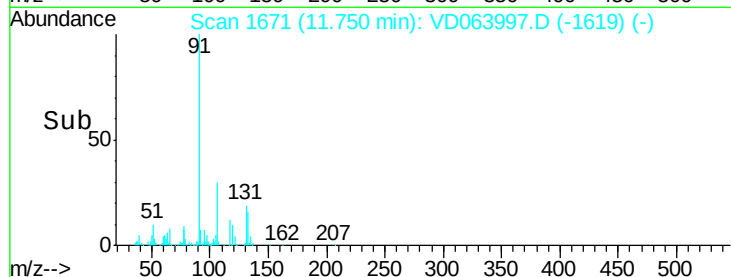
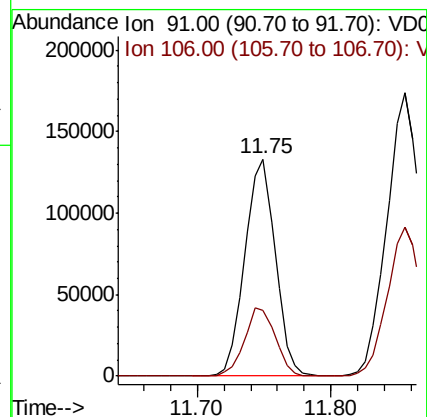
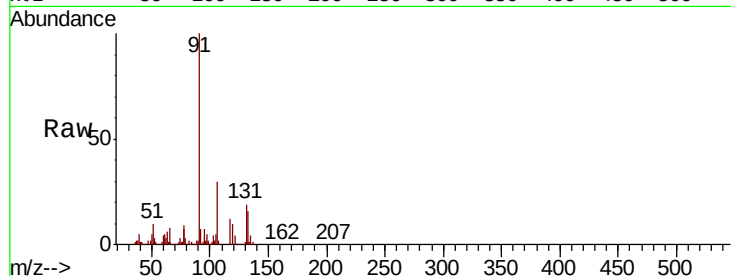
VD1017SBS01

Tot Ion: 91 Resp: 210159

Ion Ratio Lower Upper

91 100

106 30.2 24.6 37.0



#68

m/p-Xylenes

Concen: 44.448 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063997.D

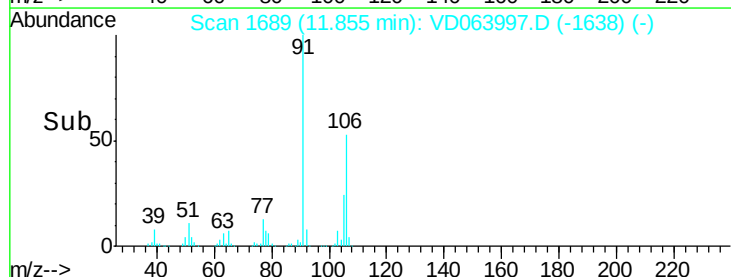
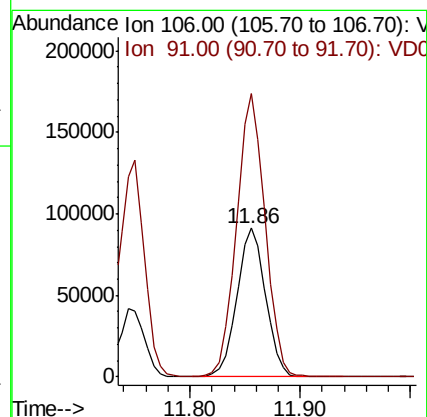
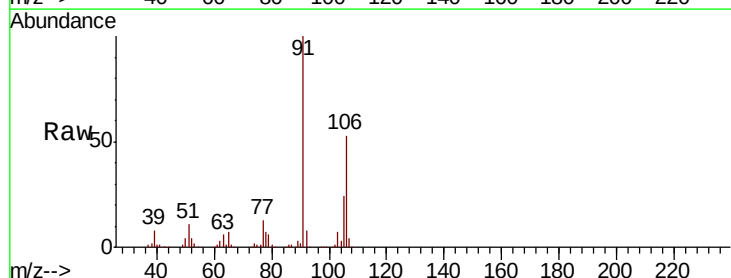
Acq: 17 Oct 2019 11:23

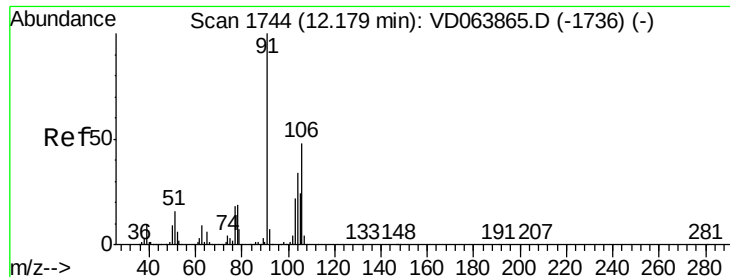
Tgt Ion: 106 Resp: 165875

Ion Ratio Lower Upper

106 100

91 190.4 154.8 232.2

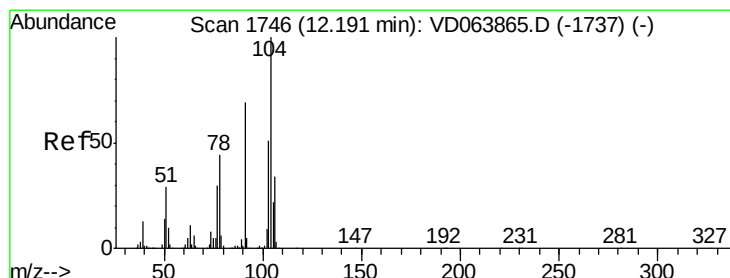
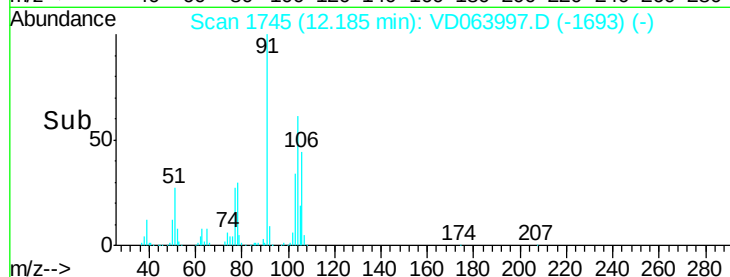
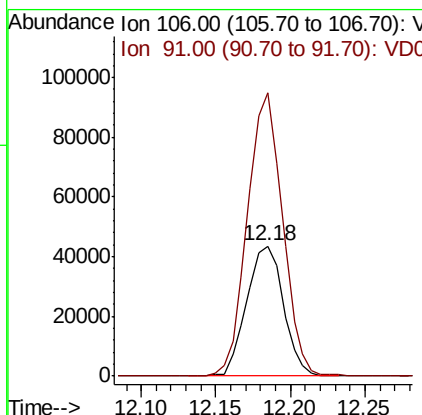
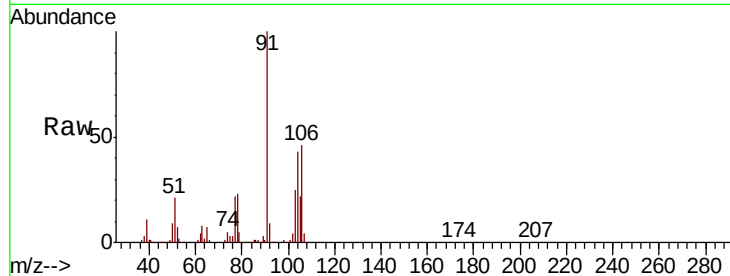




#69
o-Xylene
Concen: 20.854 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

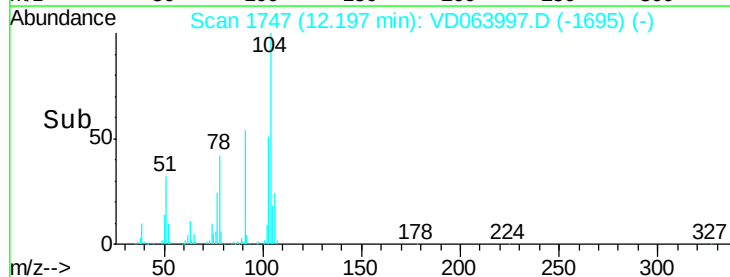
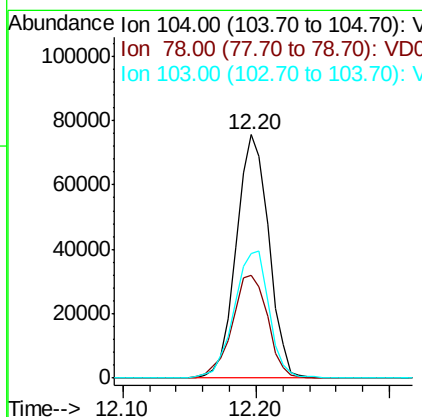
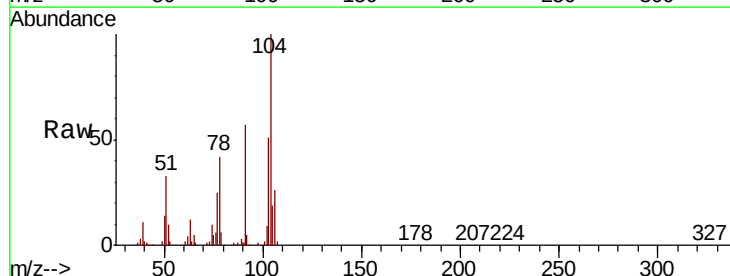
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

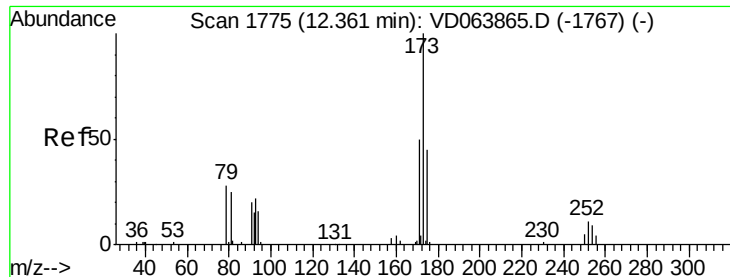
Tot Ion:106 Resp: 74522
Ion Ratio Lower Upper
106 100
91 207.6 103.9 311.7



#70
Styrene
Concen: 21.057 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion:104 Resp: 127382
Ion Ratio Lower Upper
104 100
78 46.6 37.0 55.4
103 55.6 44.2 66.4





#71

Bromoform

Concen: 20.819 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

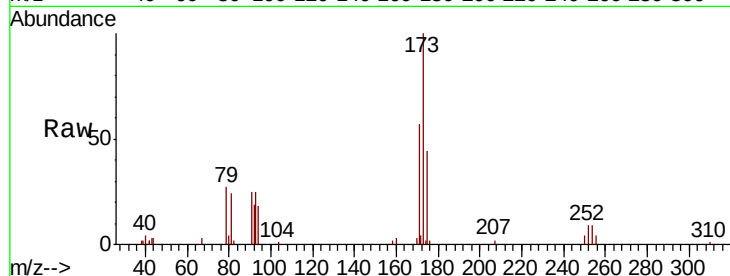
Tot Ion:173 Resp: 22075

Ion Ratio Lower Upper

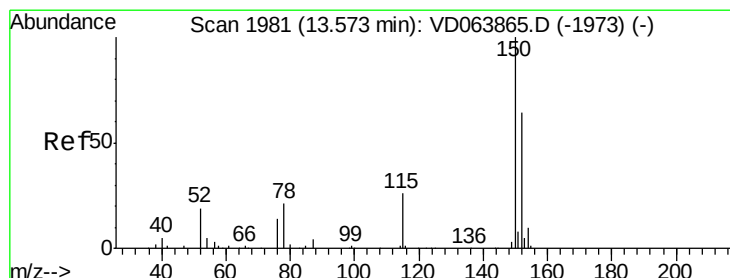
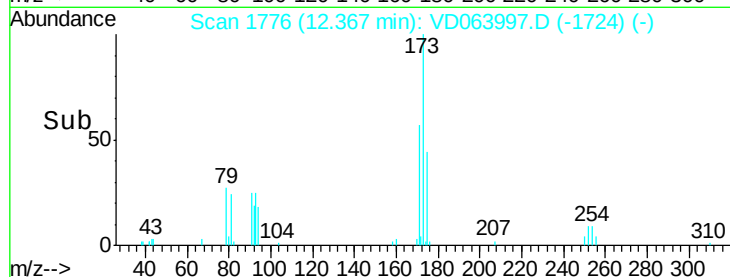
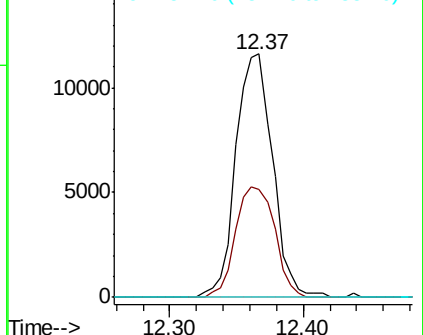
173 100

175 48.5 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: VD063997.D

Acq: 17 Oct 2019 11:23

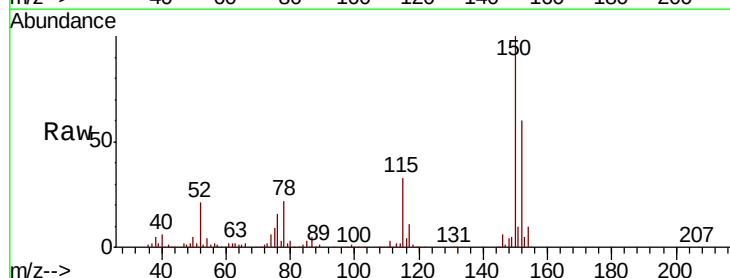
Tgt Ion:152 Resp: 141101

Ion Ratio Lower Upper

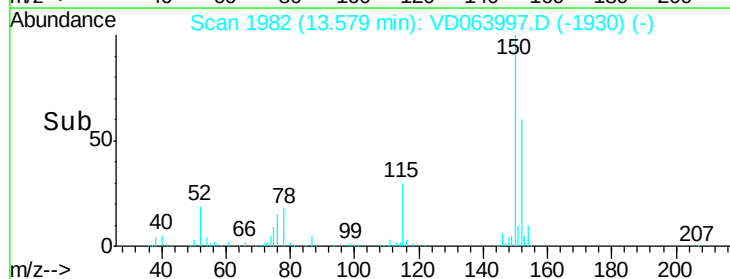
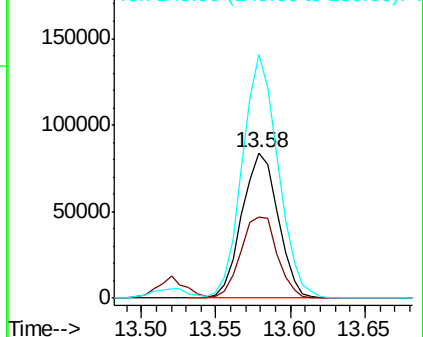
152 100

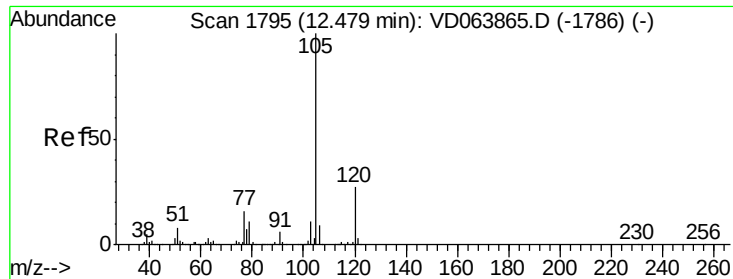
115 56.7 25.9 77.7

150 165.4 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: 22.263 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

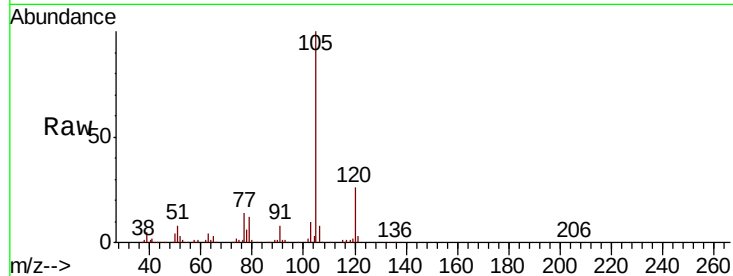
VD1017SBS01

Tot Ion:105 Resp: 211175

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

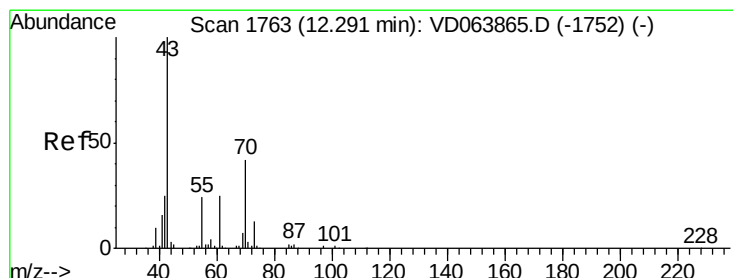
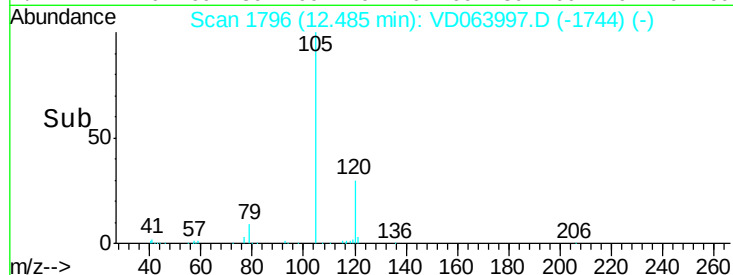
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.453 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Tgt Ion: 43 Resp: 37685

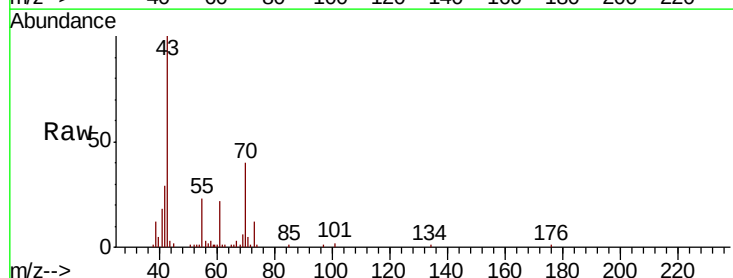
Ion Ratio Lower Upper

43 100

70 45.3 35.8 53.6

55 23.7 19.4 29.0

61 26.5 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

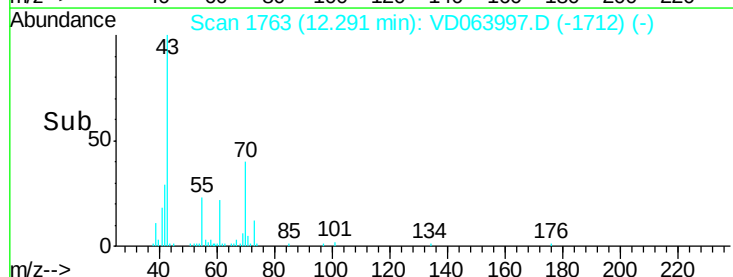
30000

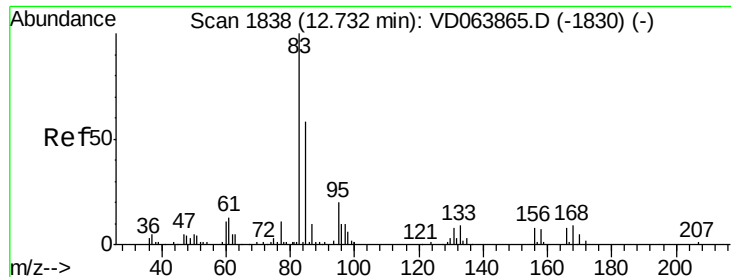
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.027 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

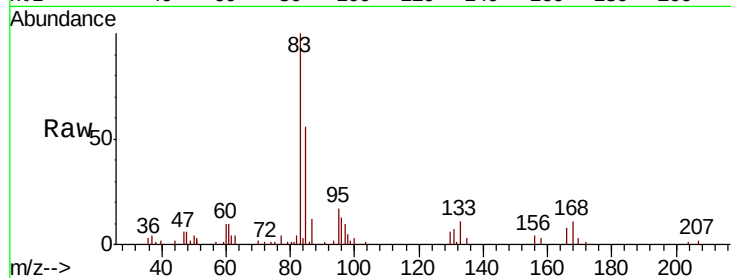
Tot Ion: 83 Resp: 33056

Ion Ratio Lower Upper

83 100

131 12.4 5.6 16.8

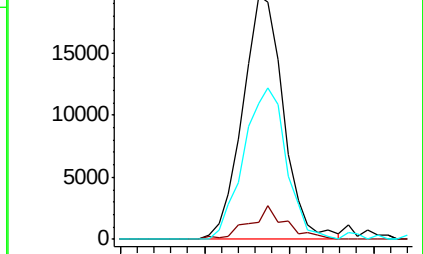
85 64.7 32.3 96.8



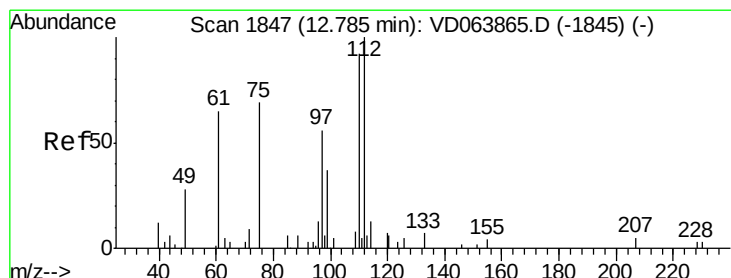
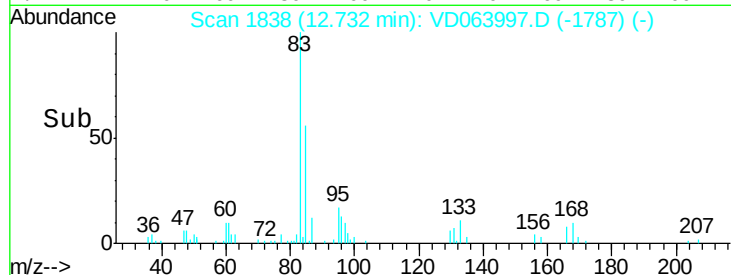
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 26.437 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063997.D

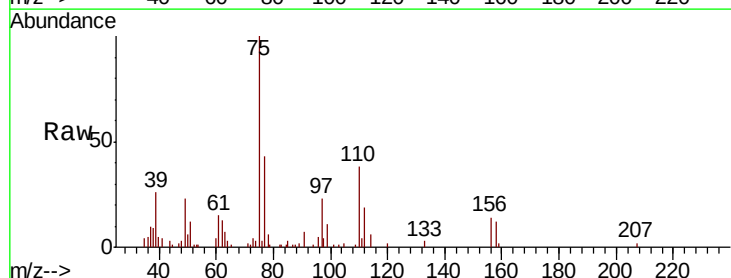
Acq: 17 Oct 2019 11:23

Tgt Ion: 75 Resp: 24984

Ion Ratio Lower Upper

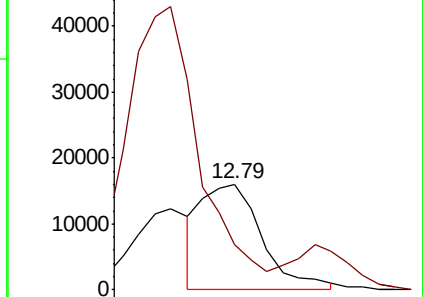
75 100

77 0.0 0.0 0.0

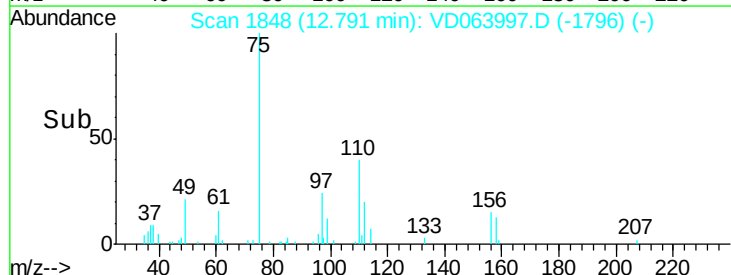


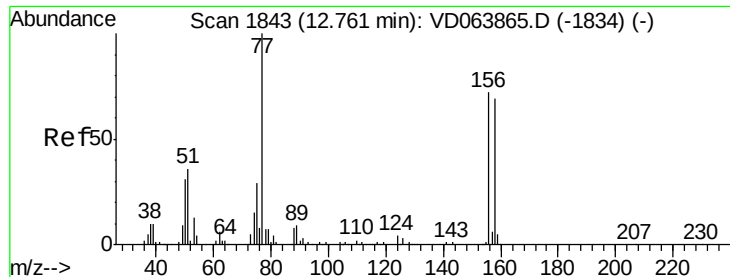
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.75 12.80





#77

Bromobenzene

Concen: 20.639 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

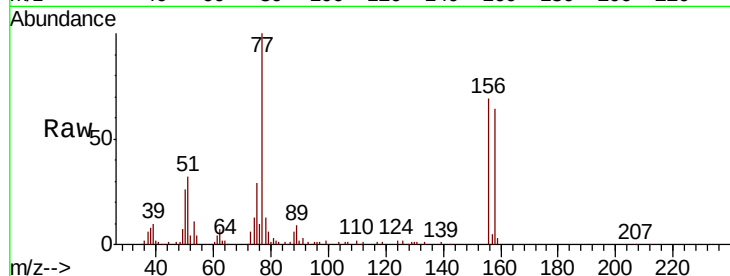
Tot Ion:156 Resp: 48776

Ion Ratio Lower Upper

156 100

77 164.9 80.3 241.0

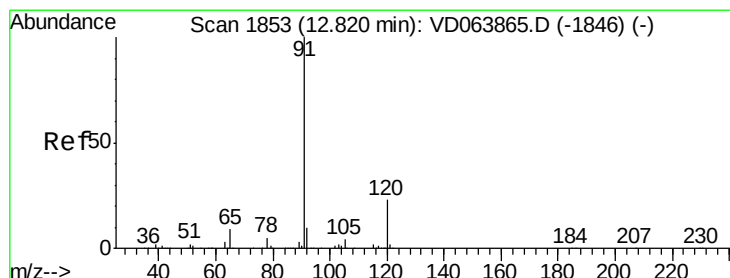
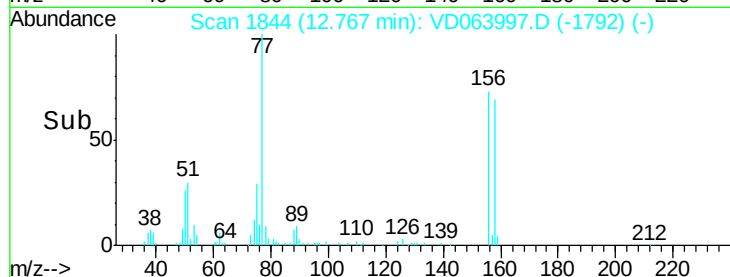
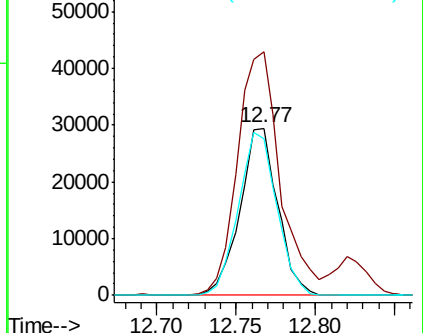
158 98.9 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.495 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD063997.D

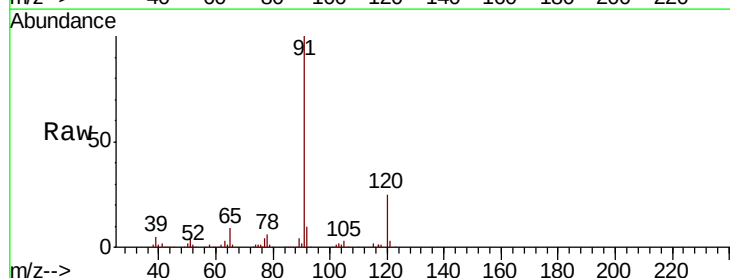
Acq: 17 Oct 2019 11:23

Tgt Ion: 91 Resp: 250456

Ion Ratio Lower Upper

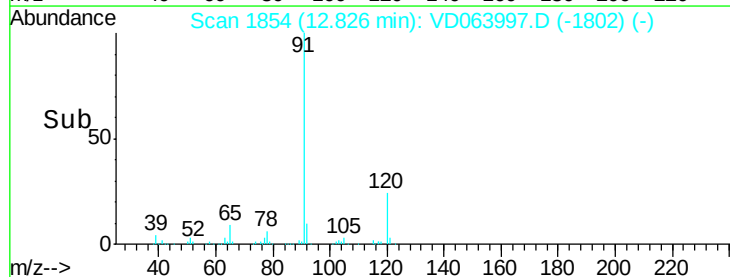
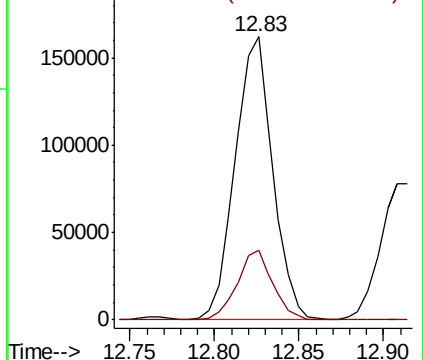
91 100

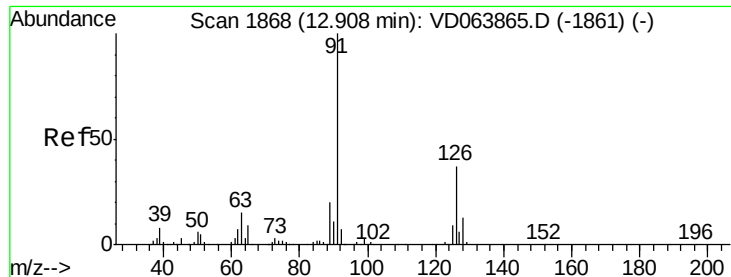
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.181 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

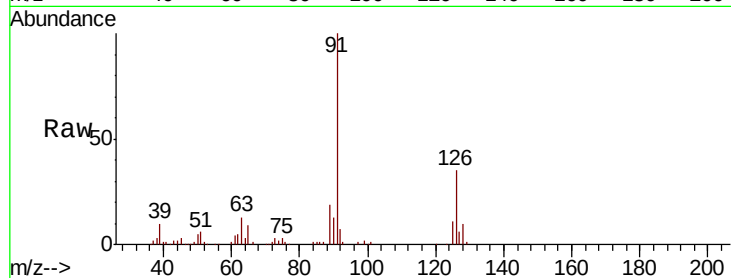
VD1017SBS01

Tot Ion: 91 Resp: 136175

Ion Ratio Lower Upper

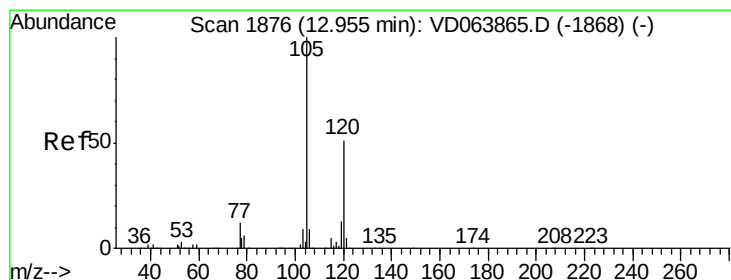
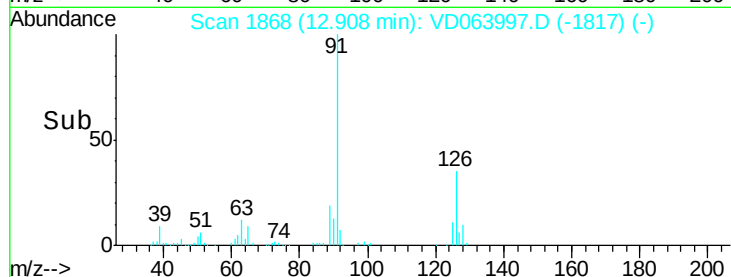
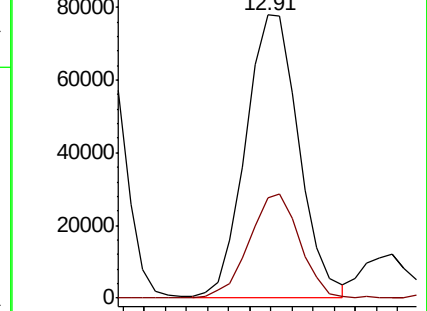
91 100

126 35.0 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VD063997.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD063997.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.146 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063997.D

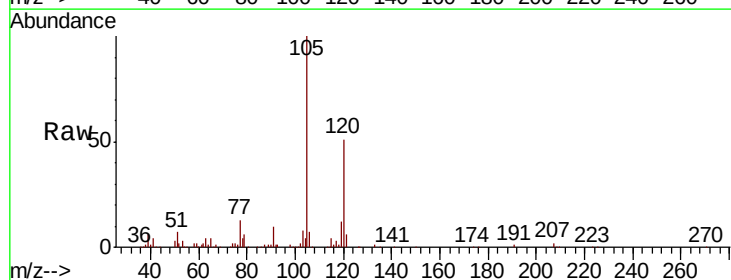
Acq: 17 Oct 2019 11:23

Tgt Ion: 105 Resp: 175251

Ion Ratio Lower Upper

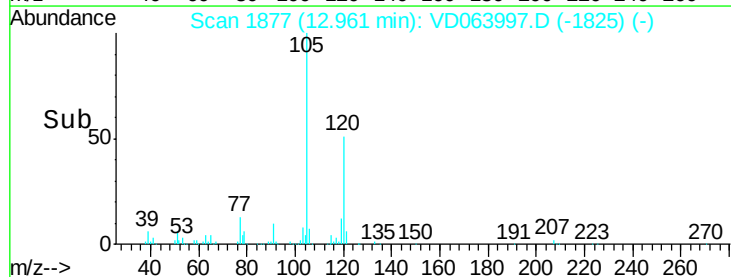
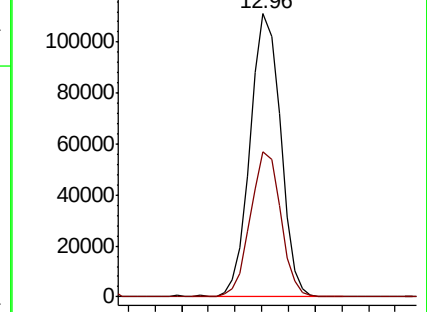
105 100

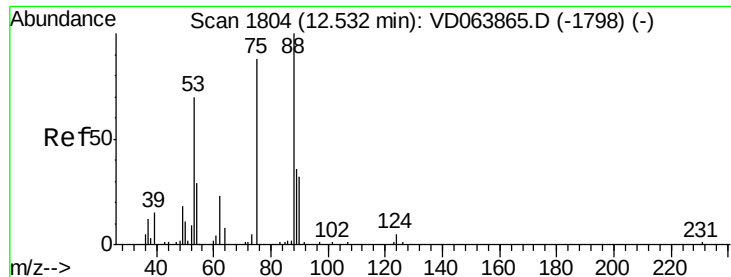
120 51.0 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063997.D (-1825) (-)

Ion 120.00 (119.70 to 120.70): VD063997.D (-1825) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.757 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

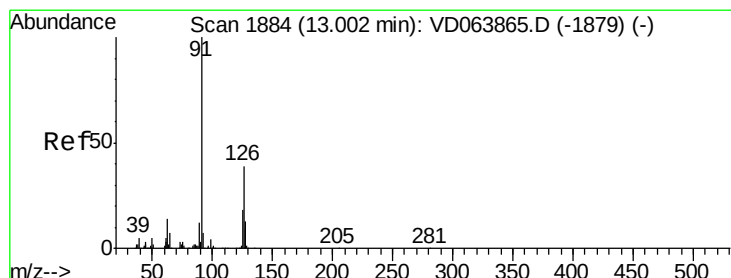
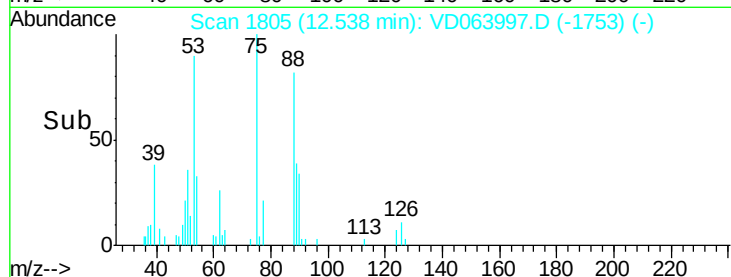
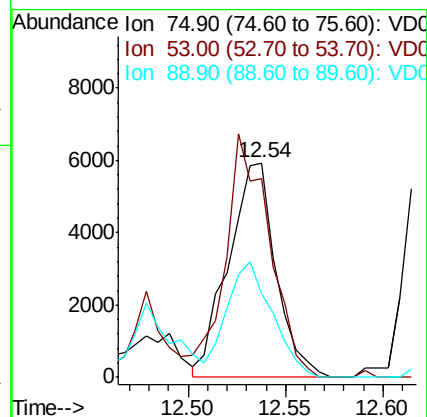
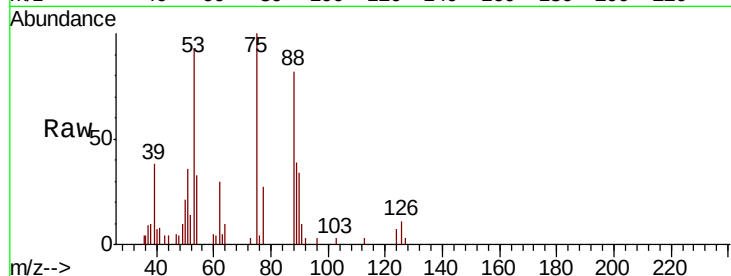
Tot Ion: 75 Resp: 10017

Ion Ratio Lower Upper

75 100

53 106.7 75.0 112.6

89 51.4 38.2 57.4



#82

4-Chlorotoluene

Concen: 21.440 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063997.D

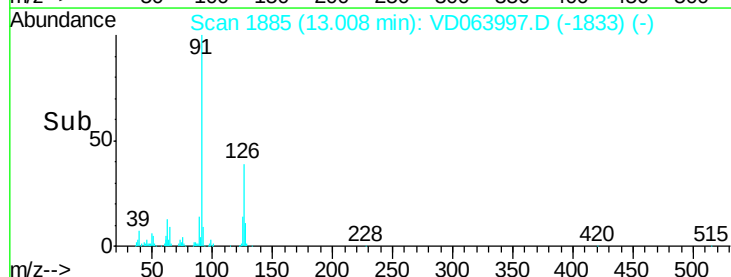
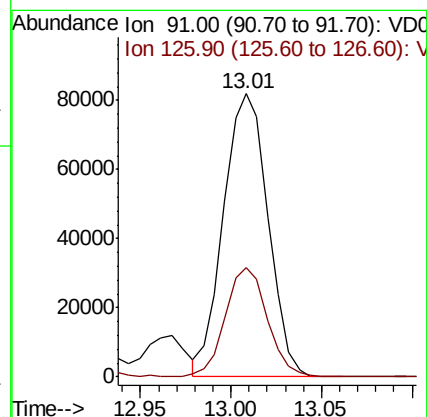
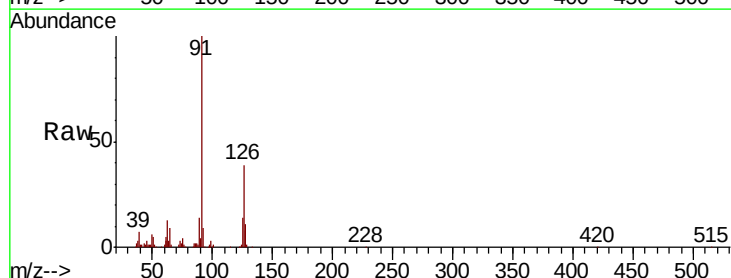
Acq: 17 Oct 2019 11:23

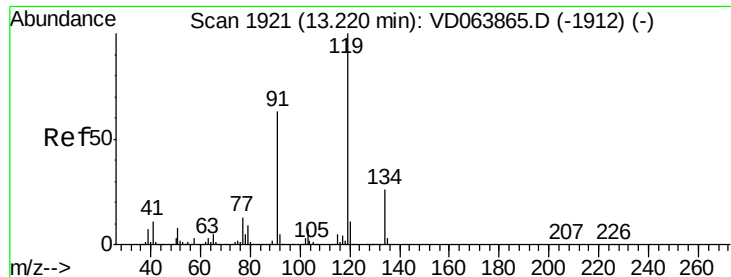
Tgt Ion: 91 Resp: 139630

Ion Ratio Lower Upper

91 100

126 36.4 18.6 55.8





#83

tert-Butylbenzene

Concen: 21.849 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

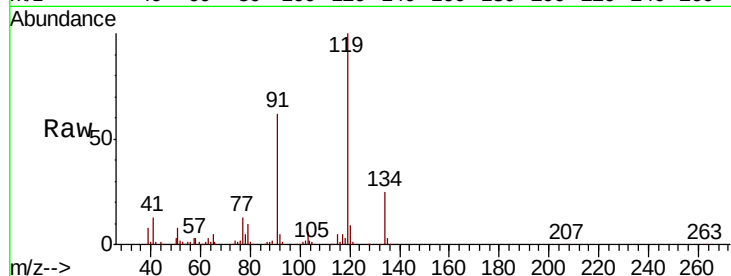
Tot Ion:119 Resp: 153880

Ion Ratio Lower Upper

119 100

91 59.6 30.0 90.0

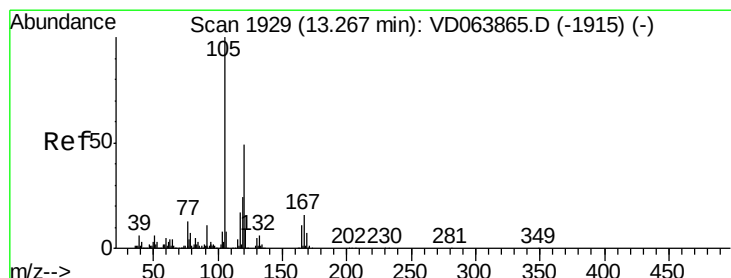
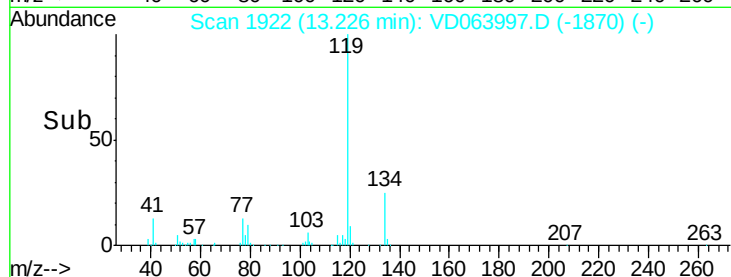
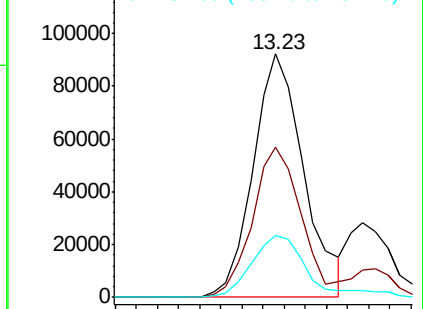
134 28.2 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.091 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.01 min

Lab File: VD063997.D

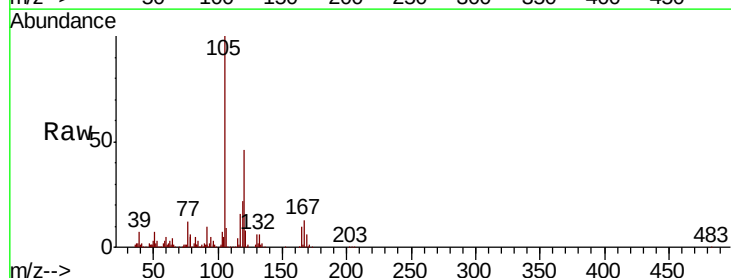
Acq: 17 Oct 2019 11:23

Tgt Ion:105 Resp: 172065

Ion Ratio Lower Upper

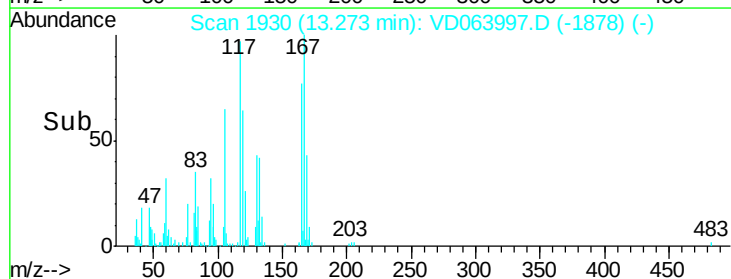
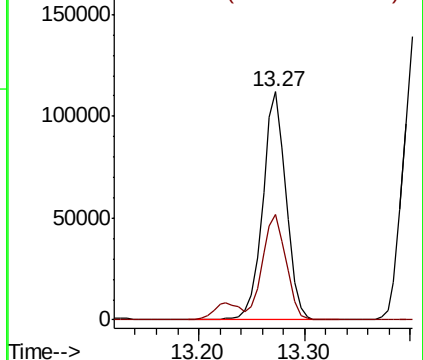
105 100

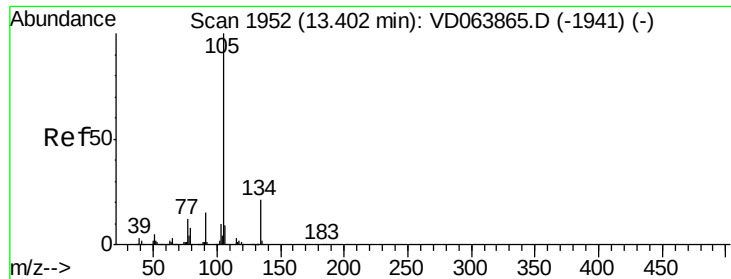
120 46.6 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.407 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

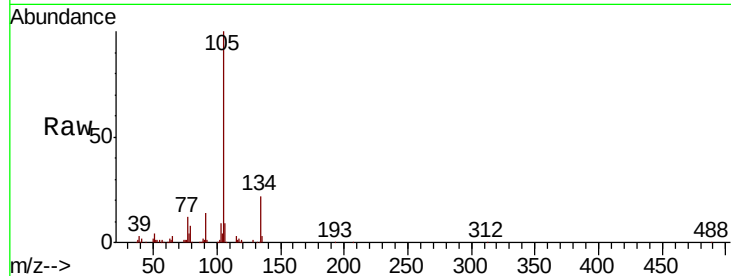
VD1017SBS01

Tot Ion:105 Resp: 213115

Ion Ratio Lower Upper

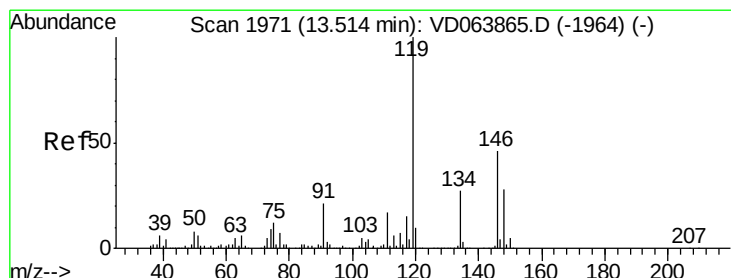
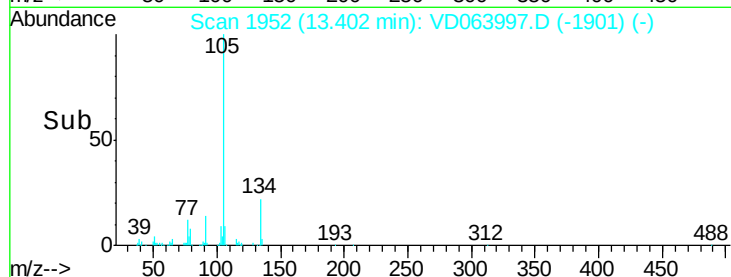
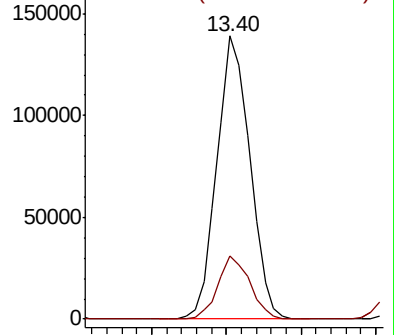
105 100

134 21.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.984 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

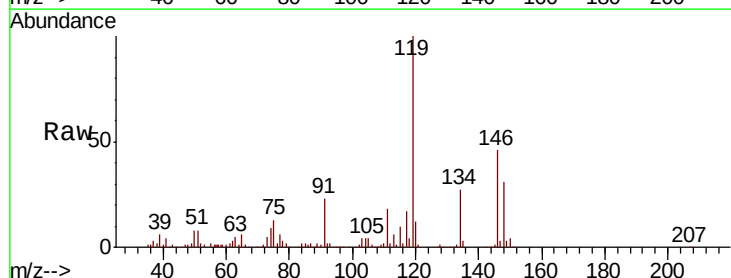
Tgt Ion:119 Resp: 197854

Ion Ratio Lower Upper

119 100

134 28.5 13.9 41.6

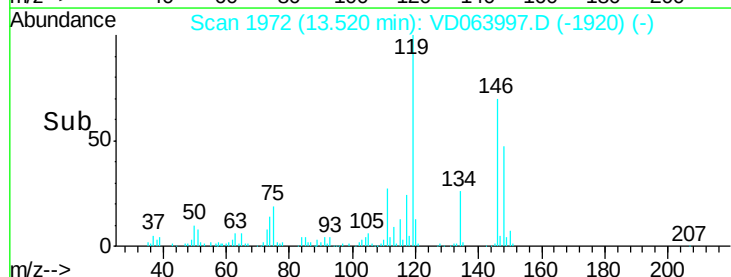
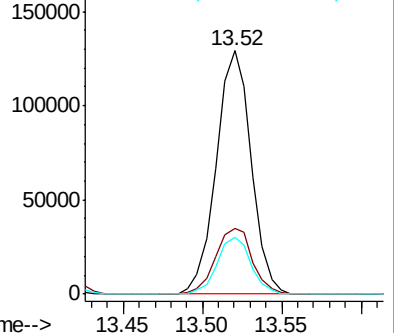
91 22.7 11.2 33.5

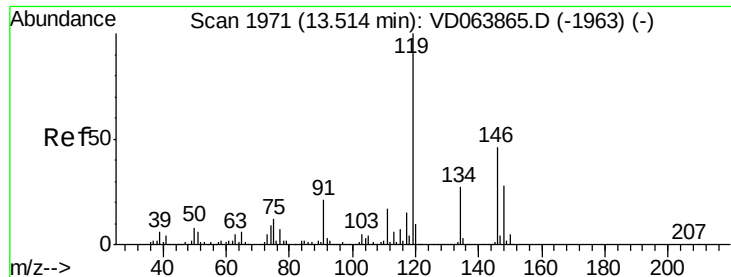


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

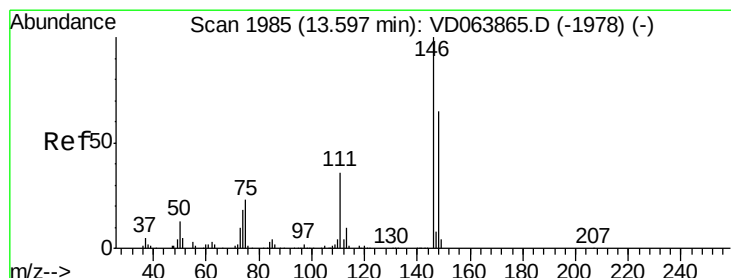
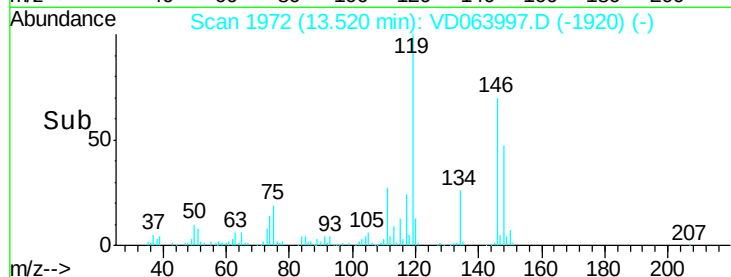
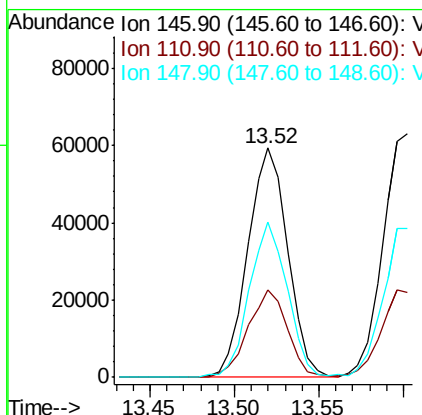
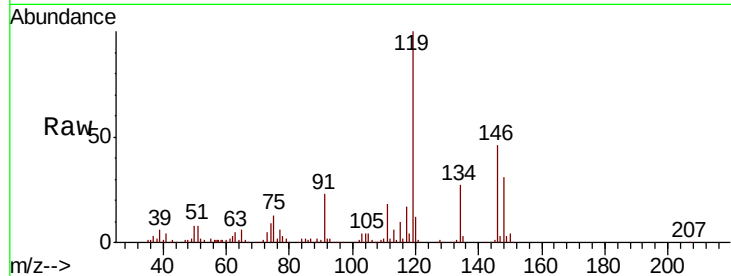




#87
 1,3-Dichlorobenzene
 Concen: 20.870 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

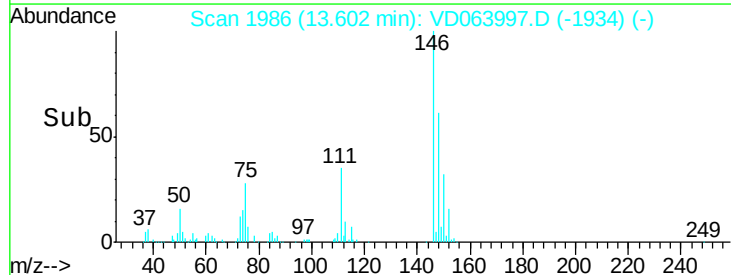
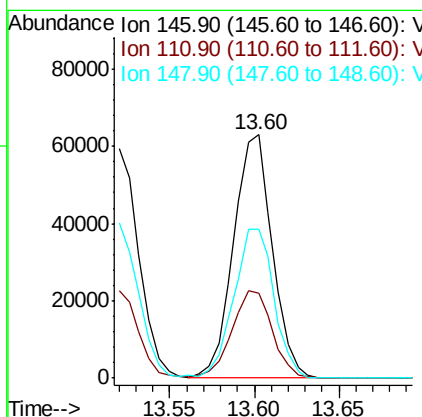
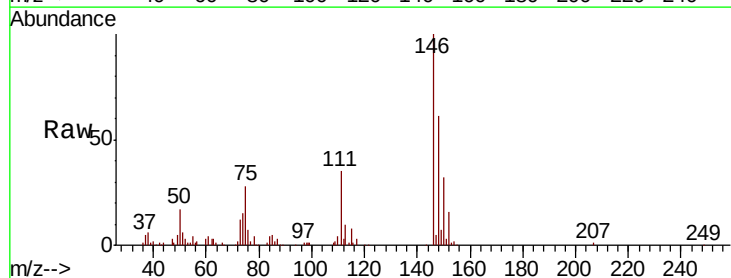
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

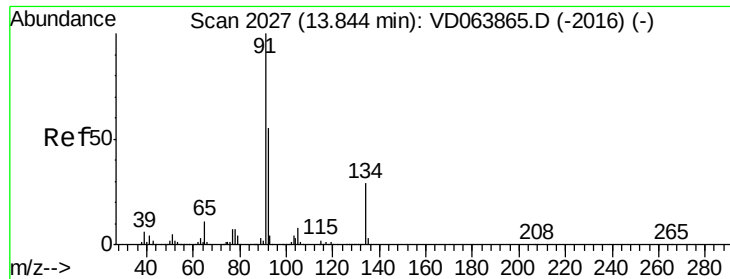
Tot Ion:146 Resp: 97455
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.3 54.9
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.871 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion:146 Resp: 100753
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 56.0
 148 63.6 32.6 98.0

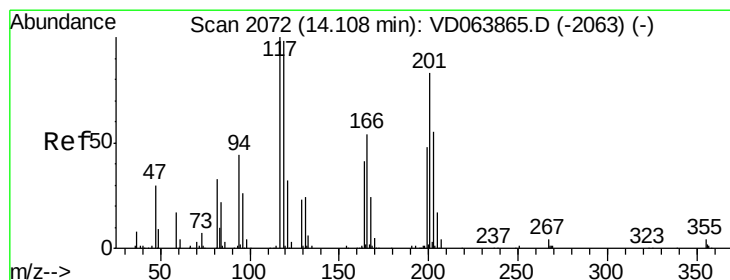
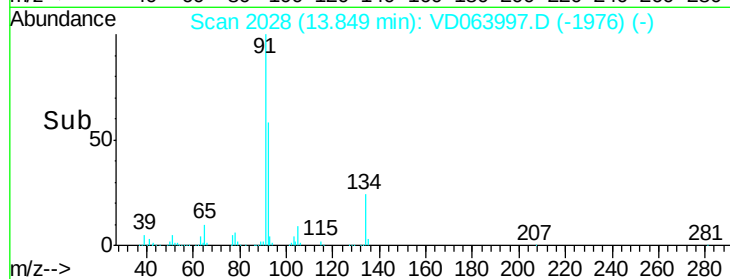
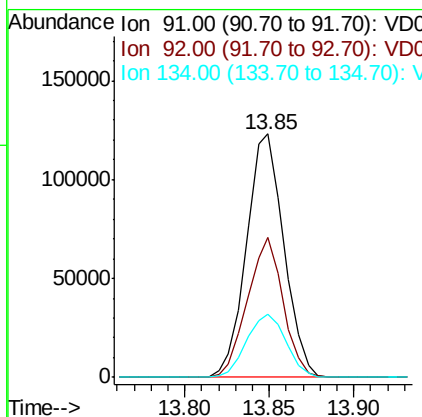
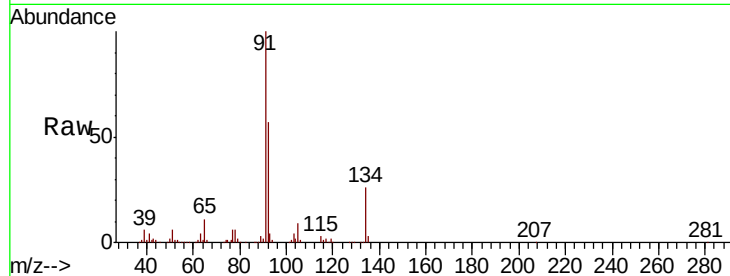




#89
n-Butylbenzene
Concen: 22.569 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

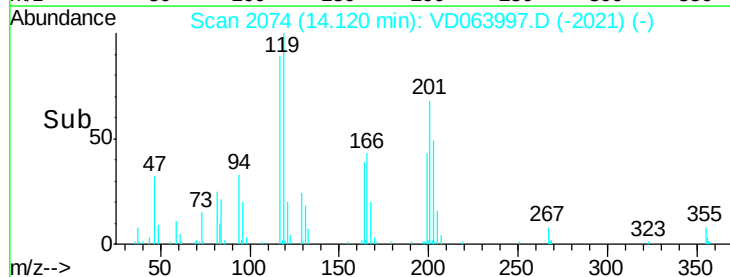
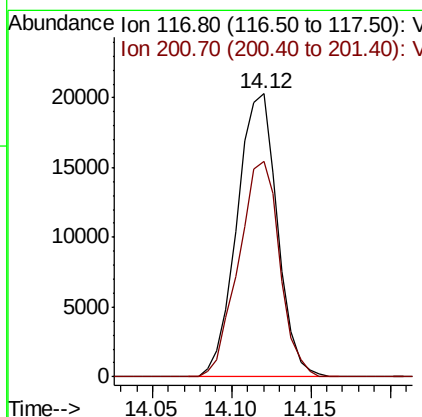
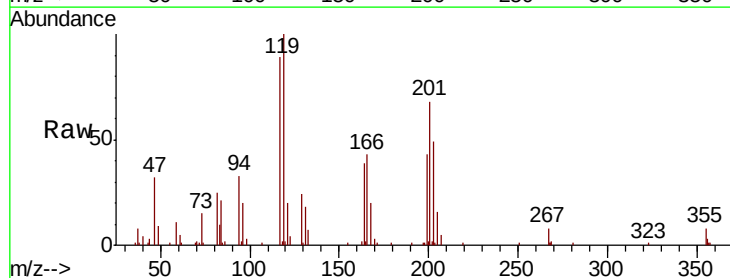
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

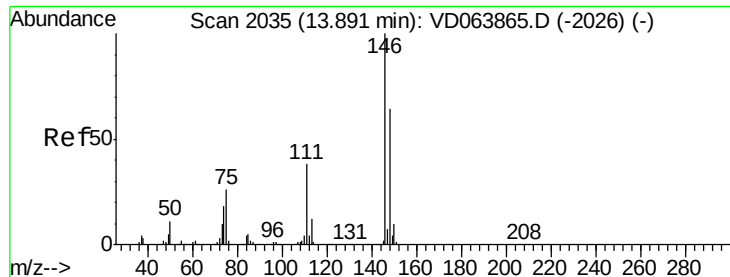
Tot Ion: 91 Resp: 189076
Ion Ratio Lower Upper
91 100
92 54.7 26.8 80.3
134 27.3 14.4 43.0



#90
Hexachloroethane
Concen: 22.171 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD063997.D
Acq: 17 Oct 2019 11:23

Tgt Ion: 117 Resp: 35888
Ion Ratio Lower Upper
117 100
201 77.2 40.6 121.7

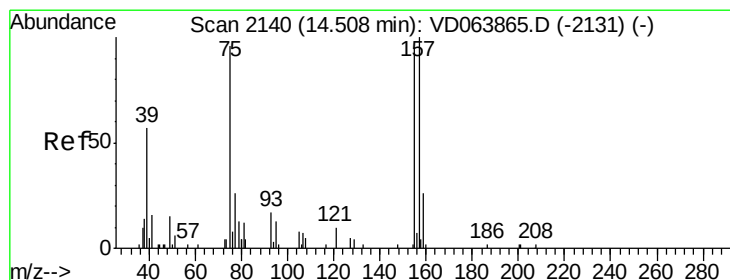
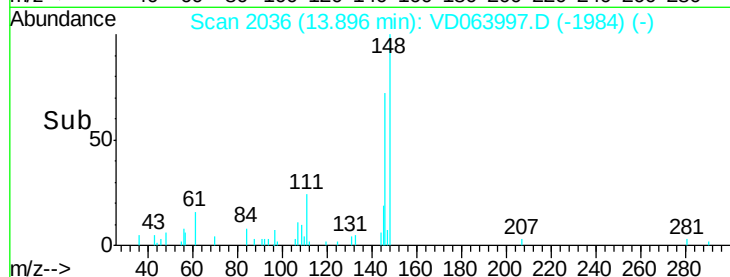
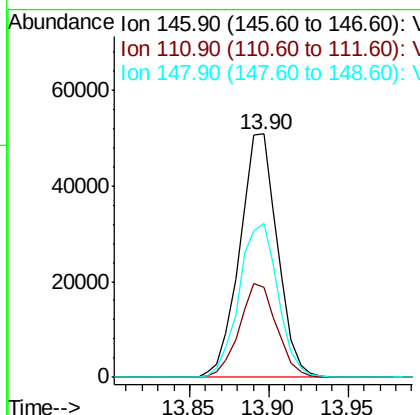
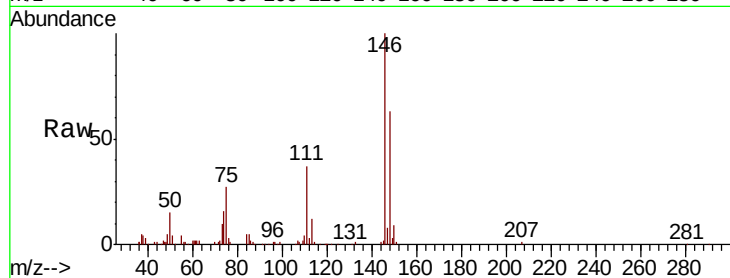




#91
 1,2-Dichlorobenzene
 Concen: 20.870 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

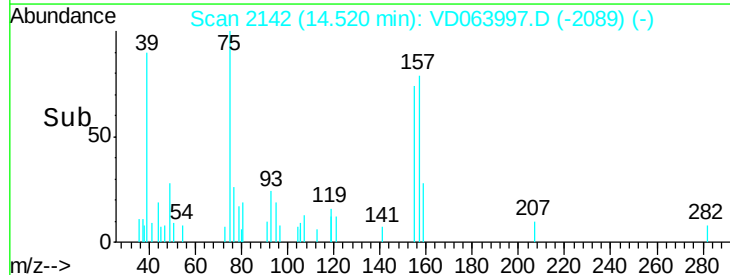
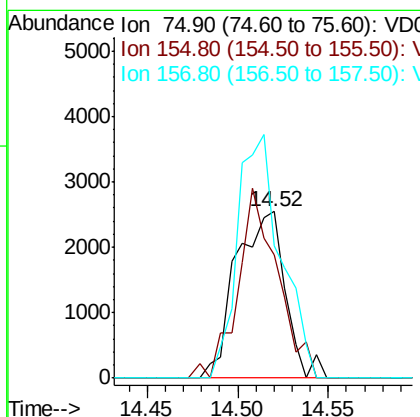
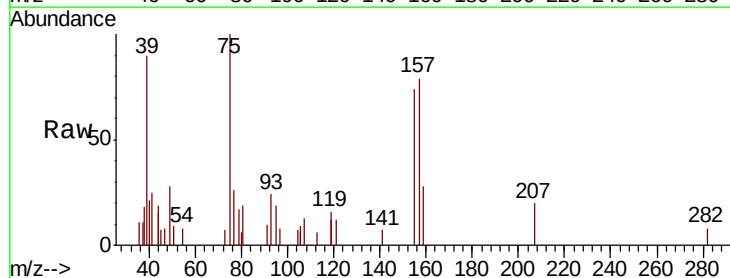
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

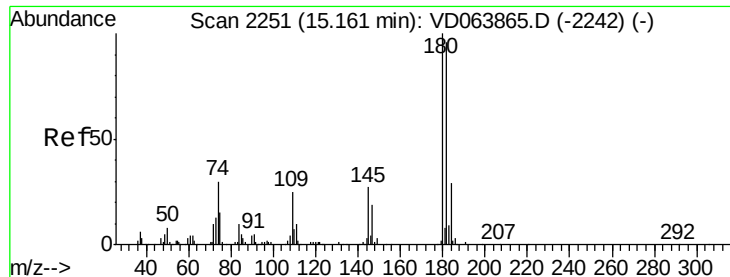
Tot Ion:146 Resp: 83984
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 65.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.177 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion: 75 Resp: 4819
 Ion Ratio Lower Upper
 75 100
 155 91.3 43.9 131.6
 157 128.6 56.0 167.9

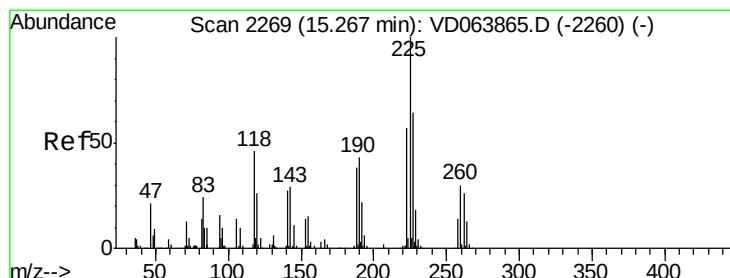
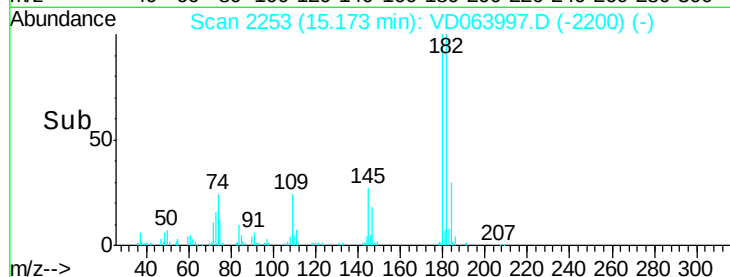
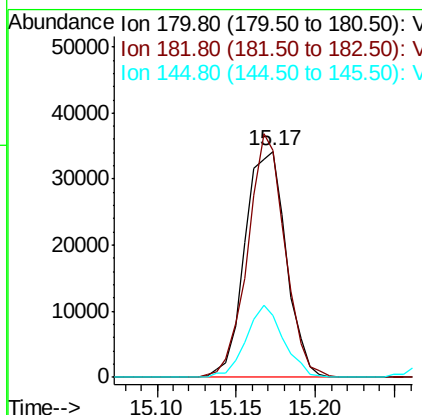
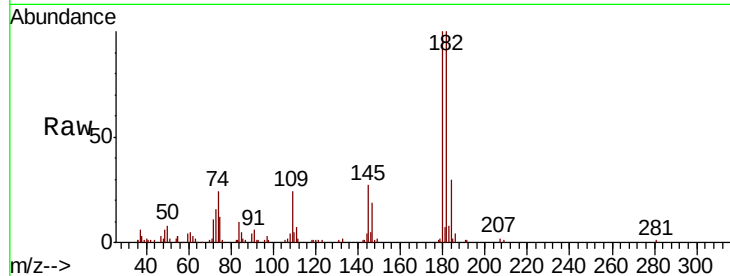




#93
 1,2,4-Trichlorobenzene
 Concen: 19.930 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

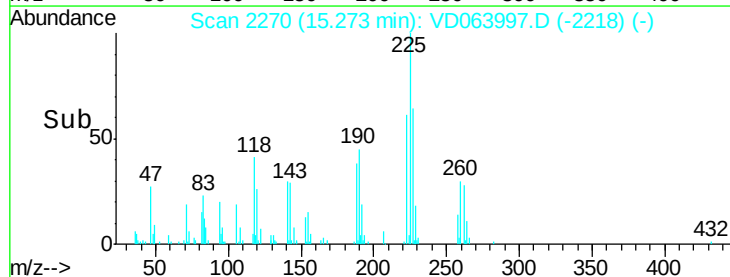
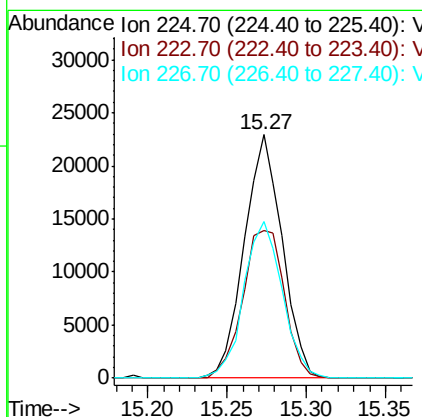
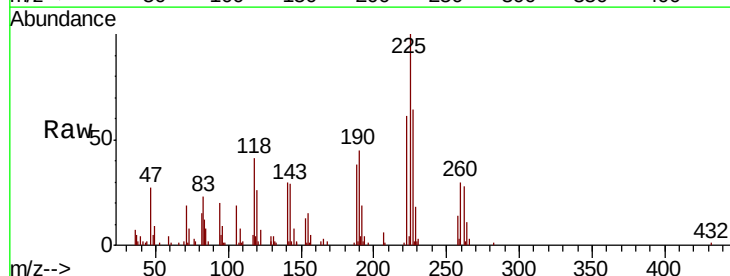
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

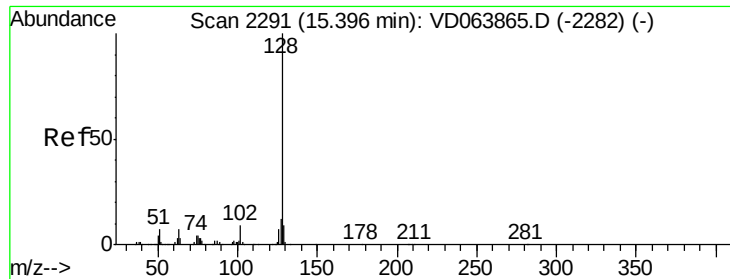
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.3
145	29.1	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 22.253 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063997.D
 Acq: 17 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	29.5	88.6
227	65.6	30.8	92.4





#95

Naphthalene

Concen: 19.629 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

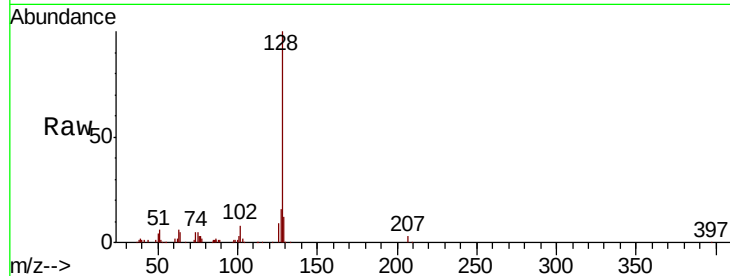
Tot Ion:128 Resp: 102440

Ion Ratio Lower Upper

128 100

127 14.6 10.6 16.0

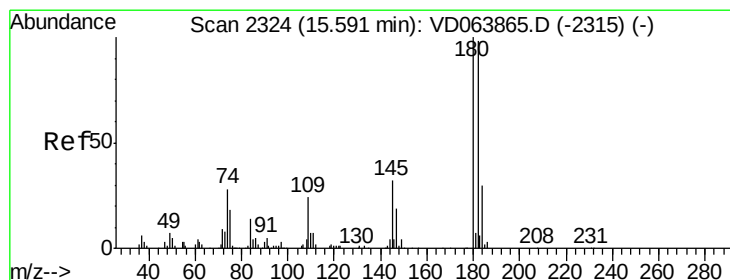
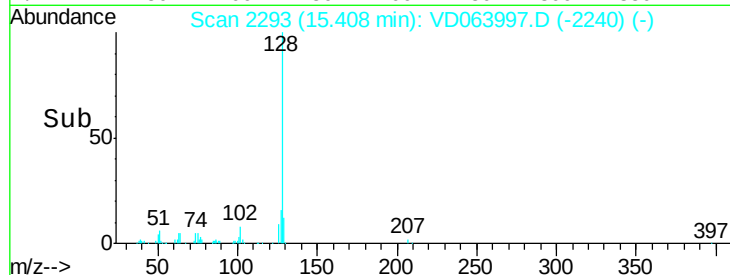
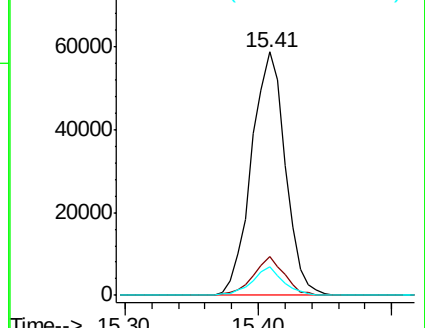
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.589 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063997.D

Acq: 17 Oct 2019 11:23

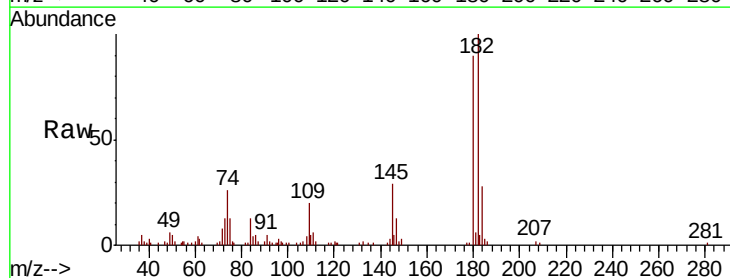
Tgt Ion:180 Resp: 52480

Ion Ratio Lower Upper

180 100

182 94.2 47.0 141.0

145 30.2 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

