

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101719\
 Data File : VD063998.D
 Acq On : 17 Oct 2019 11:51
 Operator : VA/SY
 Sample : VD1017SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

Quant Time: Oct 17 17:42:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	168920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	257480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	256567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	138904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	84415	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.92	113	88873	56.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.96%	
50) Toluene-d8	10.34	98	372337	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
62) 4-Bromofluorobenzene	12.64	95	116464	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	25367	21.176	ug/l	92
3) Chloromethane	2.21	50	77365	21.403	ug/l	100
4) Vinyl Chloride	2.35	62	90353	23.336	ug/l	100
5) Bromomethane	2.76	94	53479	21.485	ug/l	95
6) Chloroethane	2.92	64	59695	23.314	ug/l	90
7) Trichlorofluoromethane	3.27	101	127645	24.935	ug/l	99
8) Diethyl Ether	3.70	74	17307	21.064	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	30345	21.415	ug/l	96
10) Methyl Iodide	4.29	142	38503	19.720	ug/l	97
11) Tert butyl alcohol	5.26	59	5635m	42.670	ug/l	
12) 1,1-Dichloroethene	4.06	96	29657	20.949	ug/l	94
13) Acrolein	3.93	56	9755	66.414	ug/l	90
14) Allyl chloride	4.71	41	50403	21.415	ug/l	92
15) Acrylonitrile	5.43	53	40122	110.758	ug/l	97
16) Acetone	4.17	43	39706	92.734	ug/l	100
17) Carbon Disulfide	4.40	76	98242	19.090	ug/l	98
18) Methyl Acetate	4.73	43	20070	23.966	ug/l #	87
19) Methyl tert-butyl Ether	5.48	73	71102	19.395	ug/l #	91
20) Methylene Chloride	4.97	84	39711	19.038	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	36972	20.979	ug/l	99
22) Diisopropyl ether	6.38	45	99260	20.649	ug/l #	93
23) Vinyl Acetate	6.31	43	289431	101.214	ug/l	97
24) 1,1-Dichloroethane	6.27	63	62743	21.191	ug/l	96
25) 2-Butanone	7.23	43	50056	98.647	ug/l	96
26) 2,2-Dichloropropane	7.21	77	55246	20.626	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	42617	21.364	ug/l	96
28) Bromochloromethane	7.56	49	20511	19.406	ug/l	99
29) Tetrahydrofuran	7.57	42	30249	102.132	ug/l	96
30) Chloroform	7.71	83	67068	20.855	ug/l	92
31) Cyclohexane	7.98	56	60946	22.718	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	59209	21.463	ug/l	95
36) 1,1-Dichloropropene	8.11	75	55447	23.552	ug/l	99
37) Ethyl Acetate	7.30	43	23552	22.778	ug/l	98
38) Carbon Tetrachloride	8.10	117	56162	23.607	ug/l	90

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66477	22.966	ug/l	94
40) Benzene	8.35	78	153409	22.739	ug/l	95
41) Methacrylonitrile	7.54	41	12539	22.973	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	41703	21.370	ug/l	100
43) Isopropyl Acetate	8.46	43	39840	20.179	ug/l #	82
44) Trichloroethene	9.11	130	44615	22.933	ug/l	99
45) 1,2-Dichloropropane	9.39	63	37166	22.507	ug/l	100
46) Dibromomethane	9.48	93	21813	23.195	ug/l	97
47) Bromodichloromethane	9.67	83	51888	21.430	ug/l	90
48) Methyl methacrylate	9.46	41	18832	19.908	ug/l	95
49) 1,4-Dioxane	9.47	88	5588	435.309	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	107476	104.965	ug/l	97
52) Toluene	10.41	92	103624	22.375	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	47923	20.283	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	57748	21.233	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	29344	22.099	ug/l	94
56) Ethyl methacrylate	10.67	69	33682	20.031	ug/l	97
57) 1,3-Dichloropropane	10.95	76	49650	21.854	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	74419	102.961	ug/l	98
59) 2-Hexanone	10.99	43	80465	108.637	ug/l	98
60) Dibromochloromethane	11.14	129	37869	21.906	ug/l	99
61) 1,2-Dibromoethane	11.25	107	28255	21.949	ug/l	99
64) Tetrachloroethene	10.87	164	41452	23.666	ug/l	90
65) Chlorobenzene	11.67	112	114822	22.284	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	41545	21.882	ug/l	94
67) Ethyl Benzene	11.75	91	204408	22.001	ug/l	100
68) m/p-Xylenes	11.86	106	166265	46.363	ug/l	96
69) o-Xylene	12.18	106	75682	22.040	ug/l	98
70) Styrene	12.20	104	124851	21.478	ug/l	98
71) Bromoform	12.37	173	21139	20.746	ug/l #	95
73) Isopropylbenzene	12.48	105	203781	21.823	ug/l	99
74) N-amyl acetate	12.30	43	39465	19.630	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	34429	21.188	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	20745m	22.298	ug/l	
77) Bromobenzene	12.77	156	49763	21.390	ug/l	97
78) n-propylbenzene	12.83	91	246617	22.500	ug/l	99
79) 2-Chlorotoluene	12.91	91	133660	22.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	171200	21.976	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	10075	19.164	ug/l	97
82) 4-Chlorotoluene	13.01	91	138488	21.601	ug/l	100
83) tert-Butylbenzene	13.23	119	149439	21.554	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	172769	21.512	ug/l	98
85) sec-Butylbenzene	13.41	105	208657	22.285	ug/l	99
86) p-Isopropyltoluene	13.52	119	194251	21.925	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	99318	21.606	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	99757	21.997	ug/l	99
89) n-Butylbenzene	13.85	91	187747	22.765	ug/l	98
90) Hexachloroethane	14.11	117	34576	21.698	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	84561	21.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5437	20.064	ug/l	90

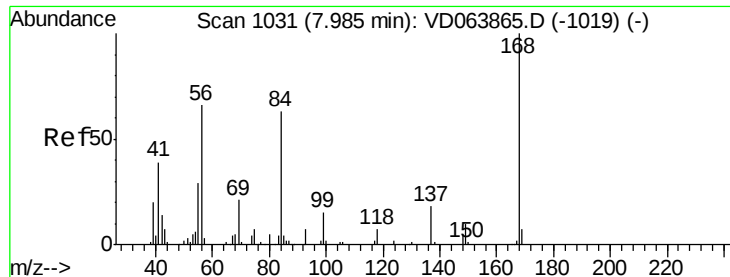
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101719\
Data File : VD063998.D
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Operator : VA/SY
Sample : VD1017SBSD01
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MSVOA_D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
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)
93) 1,2,4-Trichlorobenzene	15.17	180	58939	19.282	ug/l	98
94) Hexachlorobutadiene	15.27	225	35337	20.949	ug/l	93
95) Naphthalene	15.41	128	105297	20.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	54276	20.580	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

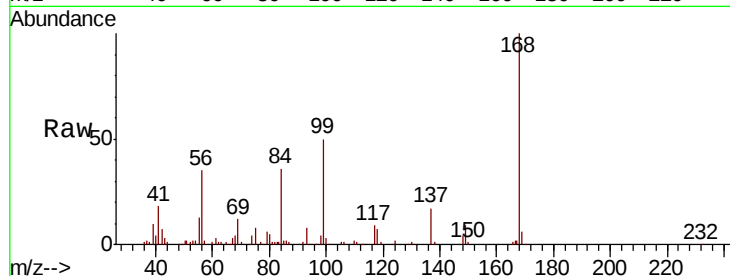
VD1017SBSD01

Tot Ion:168 Resp: 168920

Ion Ratio Lower Upper

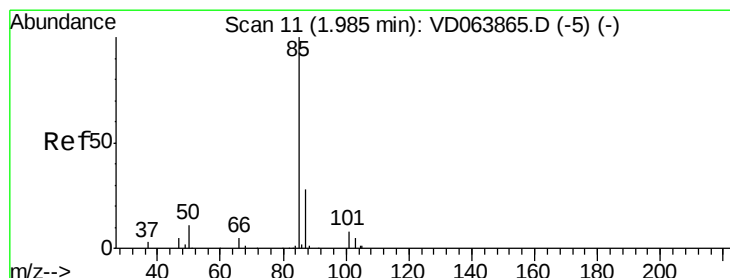
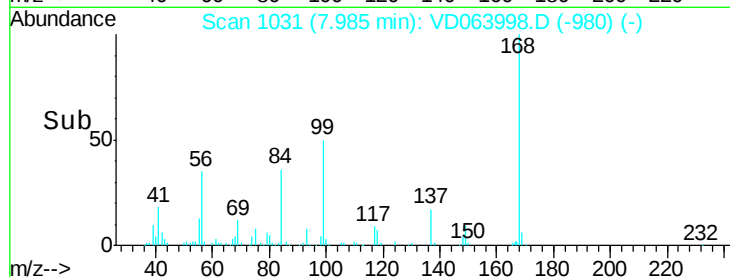
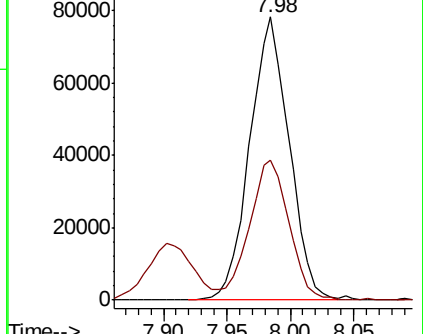
168 100

99 49.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.176 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063998.D

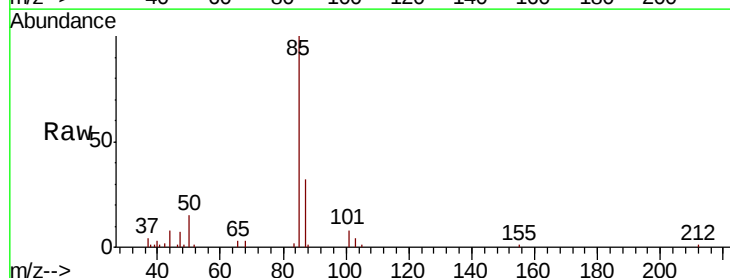
Acq: 17 Oct 2019 11:51

Tgt Ion: 85 Resp: 25367

Ion Ratio Lower Upper

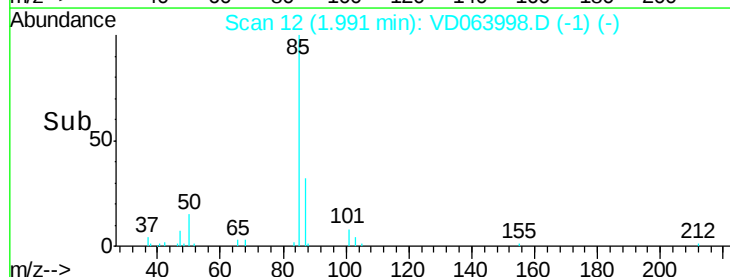
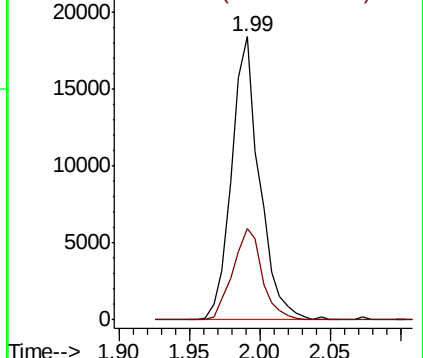
85 100

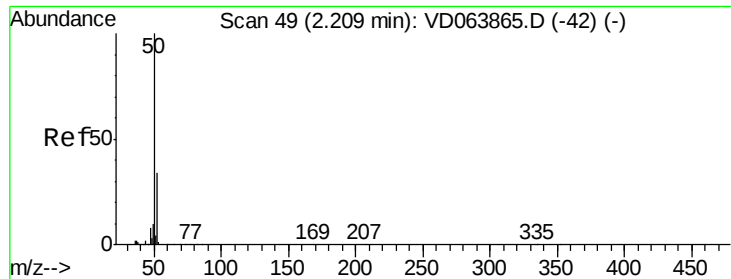
87 32.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.403 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

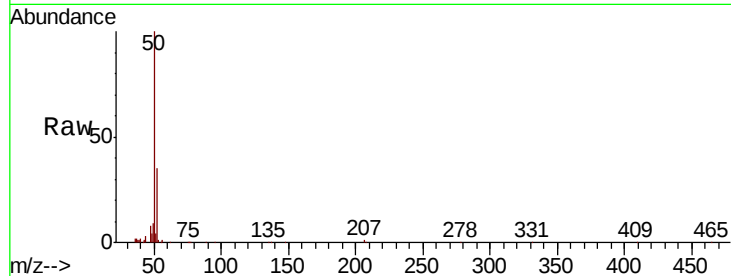
VD1017SBSD01

Tot Ion: 50 Resp: 77365

Ion Ratio Lower Upper

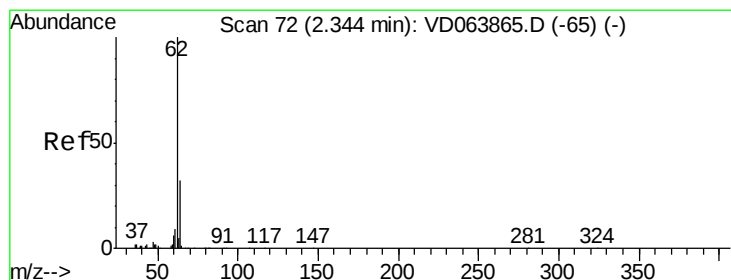
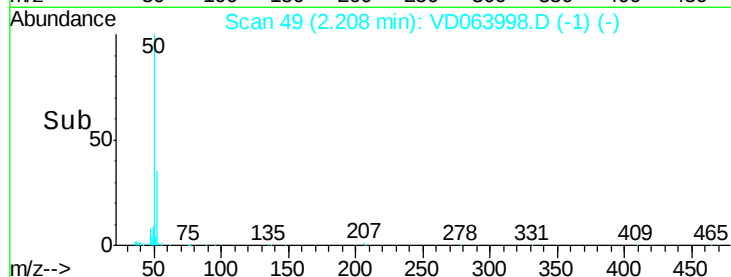
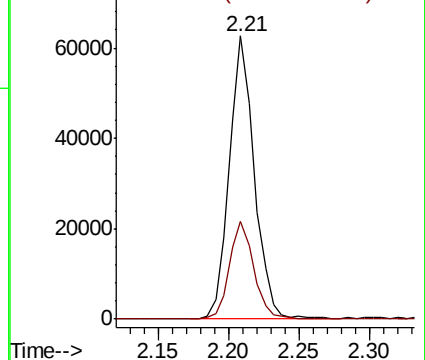
50 100

52 34.6 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: 23.336 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063998.D

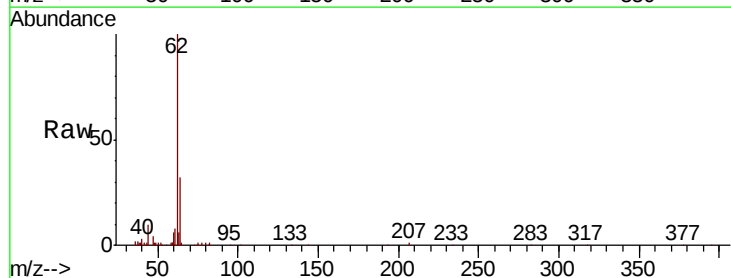
Acq: 17 Oct 2019 11:51

Tgt Ion: 62 Resp: 90353

Ion Ratio Lower Upper

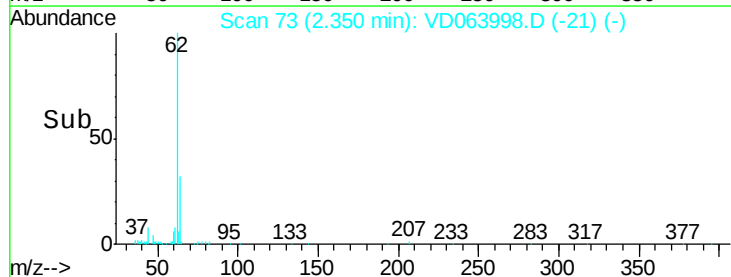
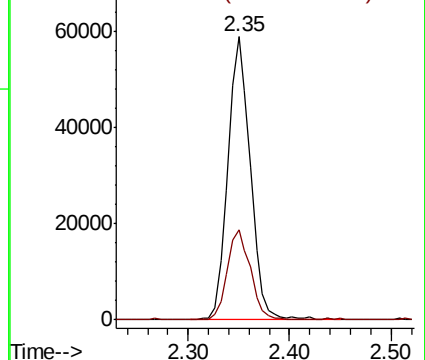
62 100

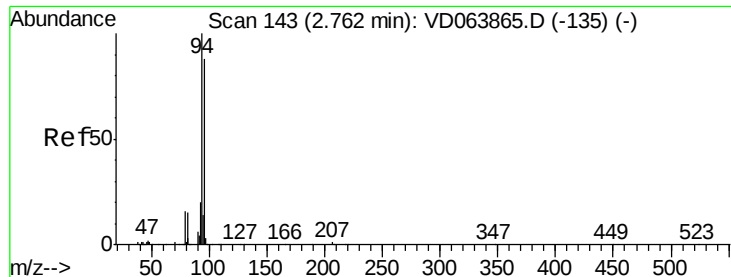
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.485 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

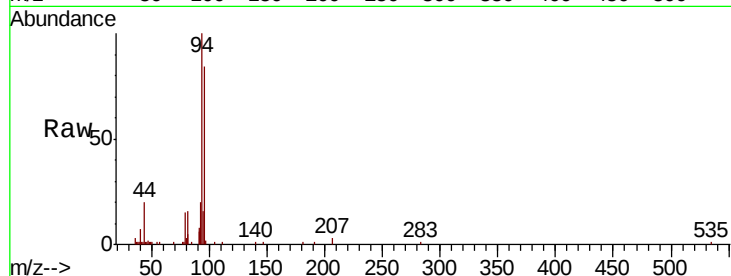
VD1017SBSD01

Tot Ion: 94 Resp: 53479

Ion Ratio Lower Upper

94 100

96 84.0 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

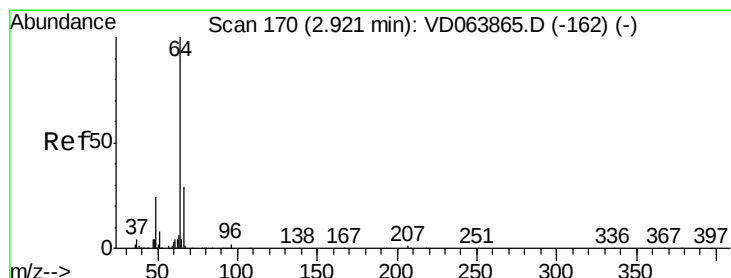
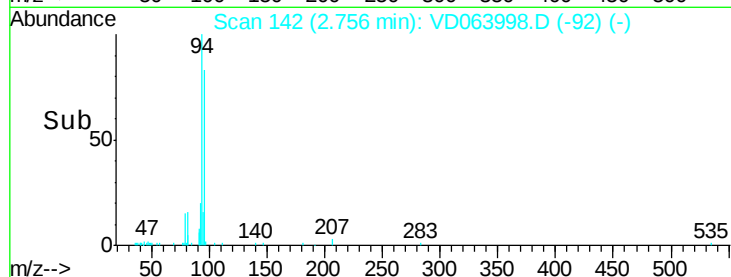
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 23.314 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063998.D

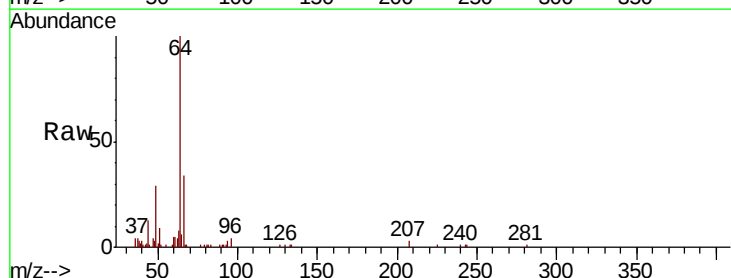
Acq: 17 Oct 2019 11:51

Tgt Ion: 64 Resp: 59695

Ion Ratio Lower Upper

64 100

66 34.0 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

15000

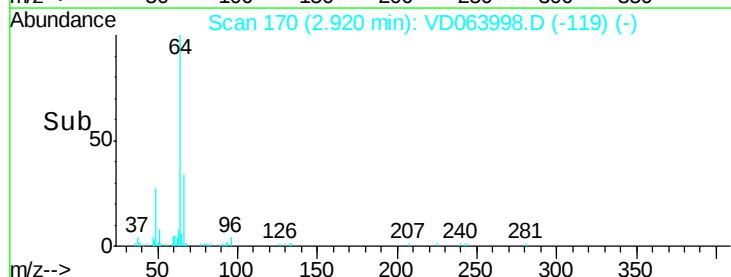
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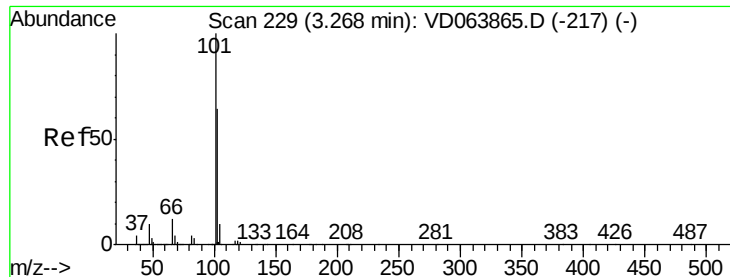
5000

0

Time-->

2.80 2.90 3.00



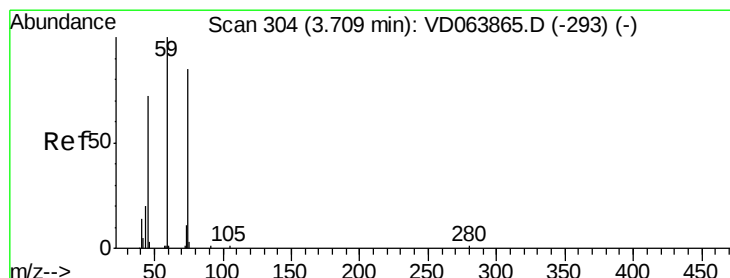
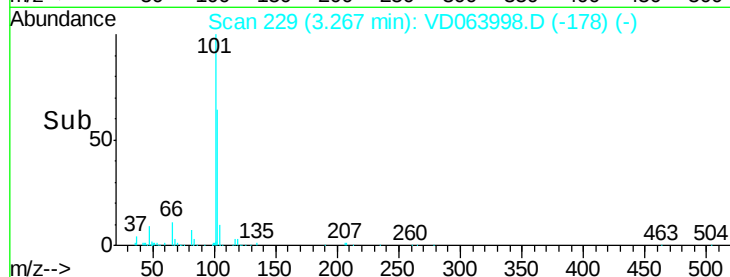
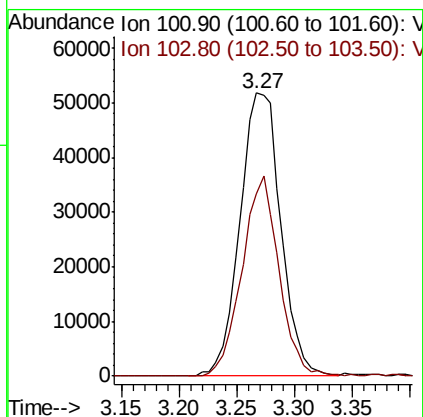
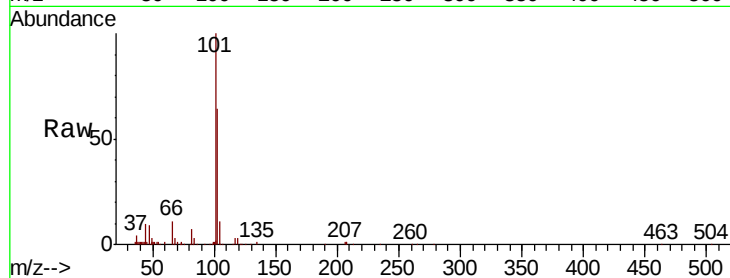


#7

Trichlorofluoromethane
 Concen: 24.935 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBSD01

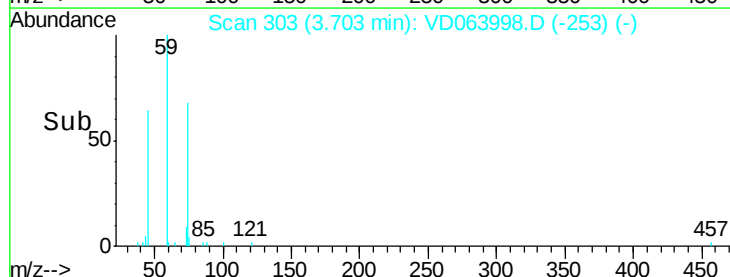
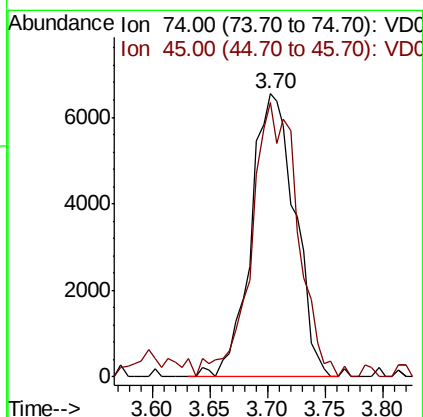
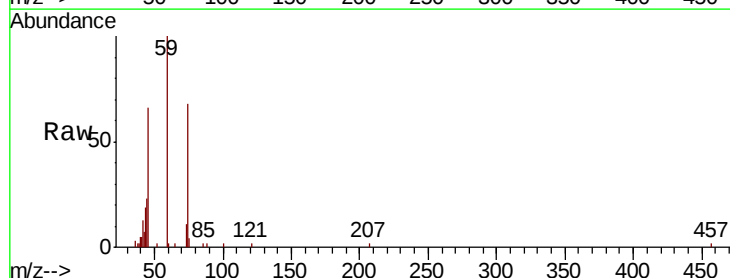
Tot Ion:101 Resp: 127645
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.1 76.7

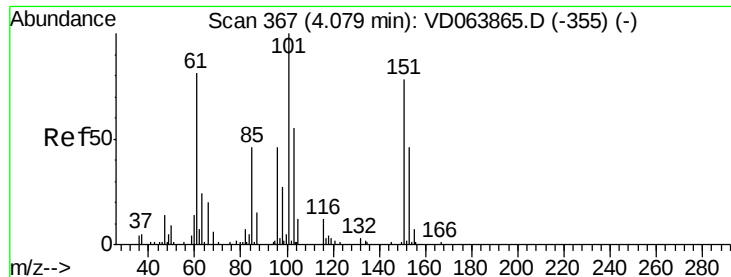


#8

Diethyl Ether
 Concen: 21.064 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Tgt Ion: 74 Resp: 17307
 Ion Ratio Lower Upper
 74 100
 45 102.4 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.415 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

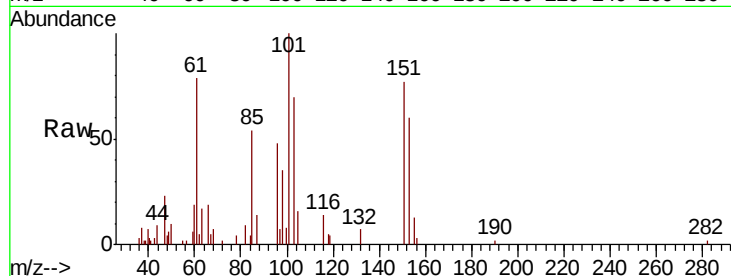
Tot Ion:101 Resp: 30345

Ion Ratio Lower Upper

101 100

85 45.8 37.5 56.3

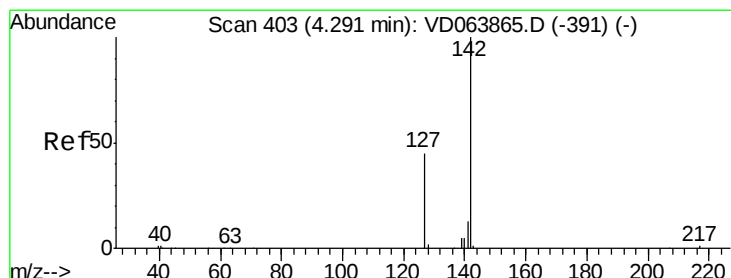
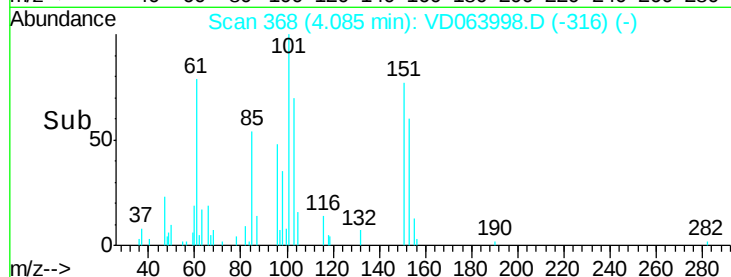
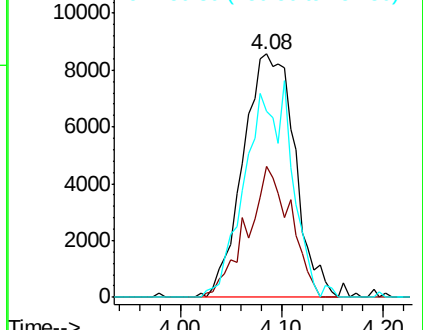
151 77.4 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.720 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

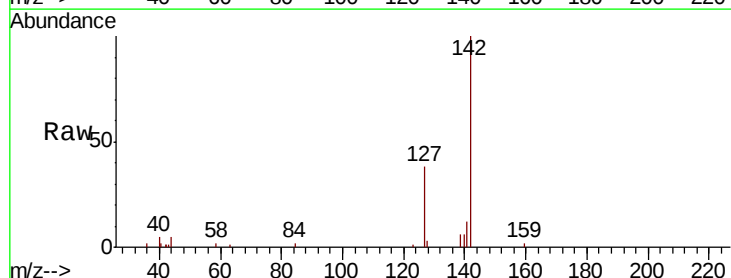
Tgt Ion:142 Resp: 38503

Ion Ratio Lower Upper

142 100

127 42.5 35.3 52.9

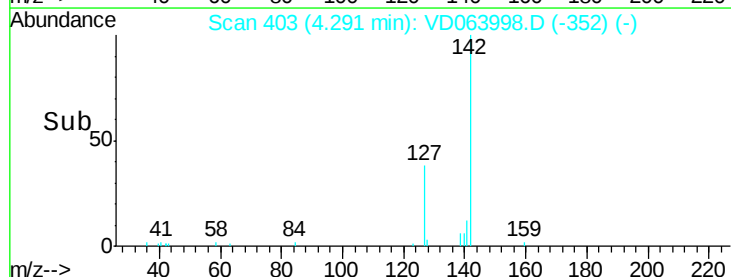
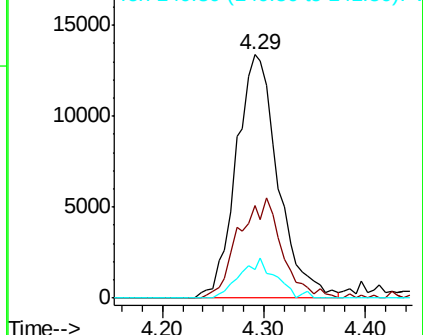
141 13.9 12.2 18.2

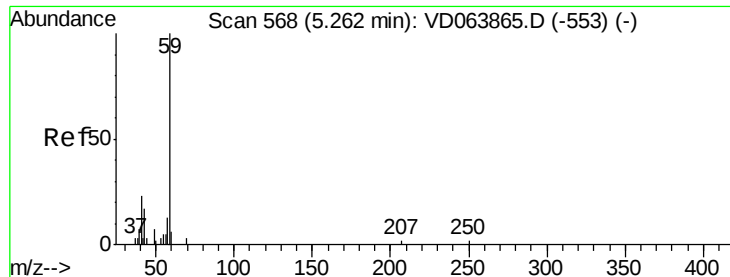


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

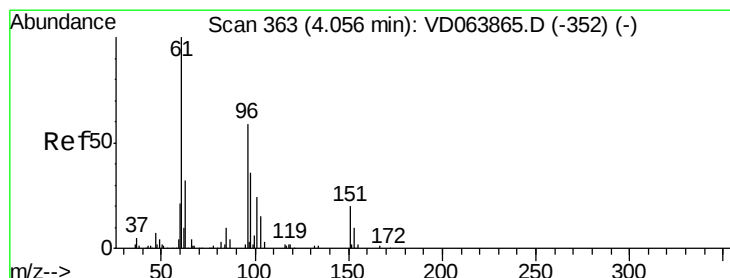
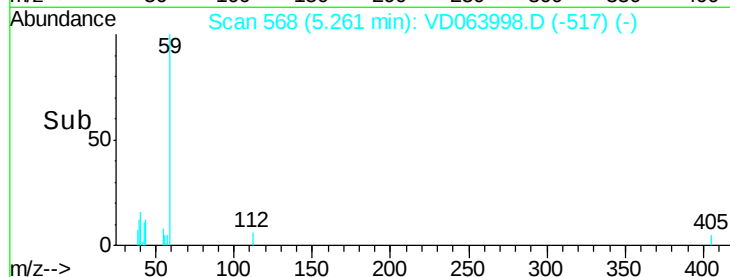
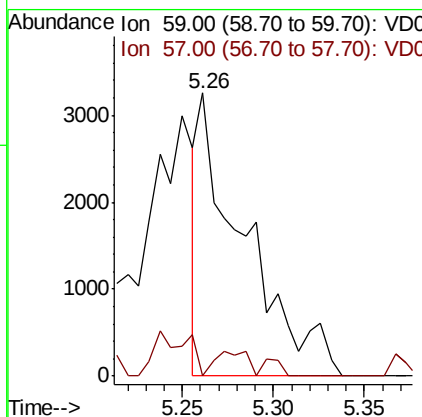
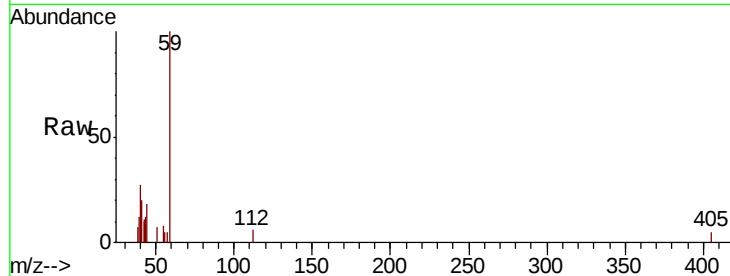




#11
Tert butyl alcohol
Concen: 42.670 ug/l m
RT: 5.26 min Scan# 568
Delta R.T. 0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

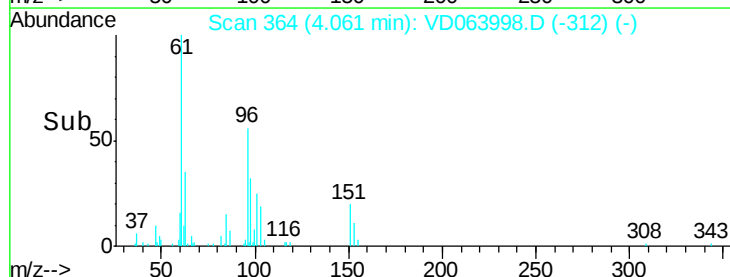
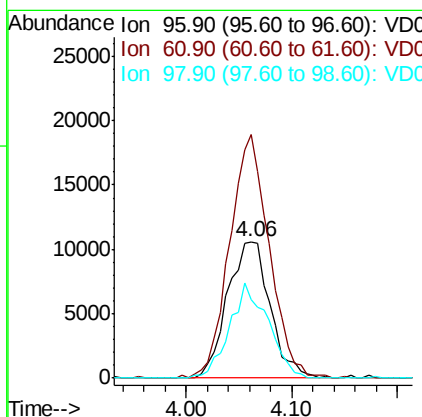
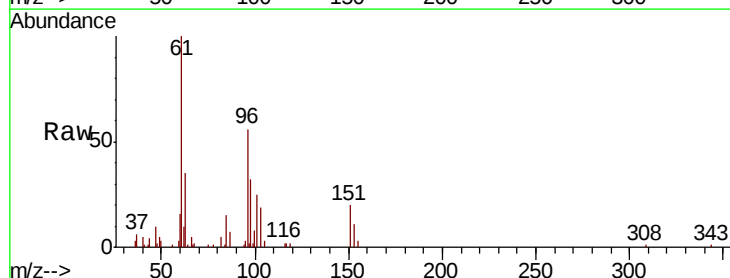
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

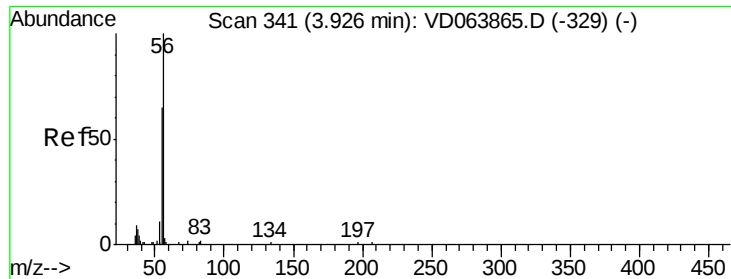
Tot Ion: 59 Resp: 5635
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.949 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 96 Resp: 29657
Ion Ratio Lower Upper
96 100
61 178.4 135.6 203.4
98 57.7 49.2 73.8





#13

Acrolein

Concen: 66.414 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

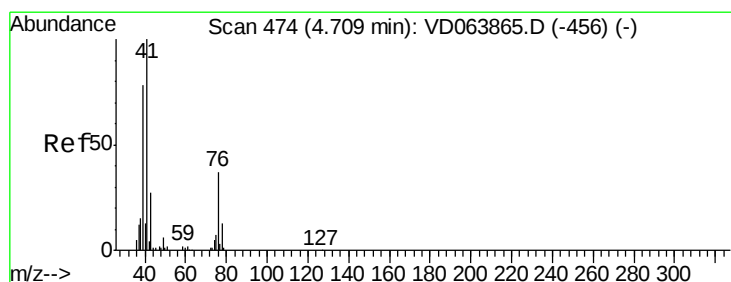
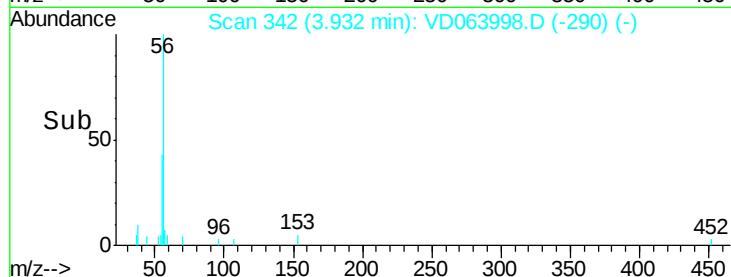
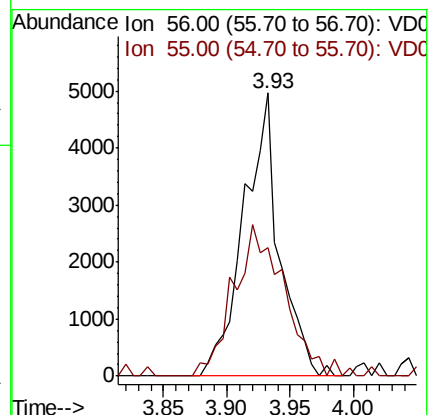
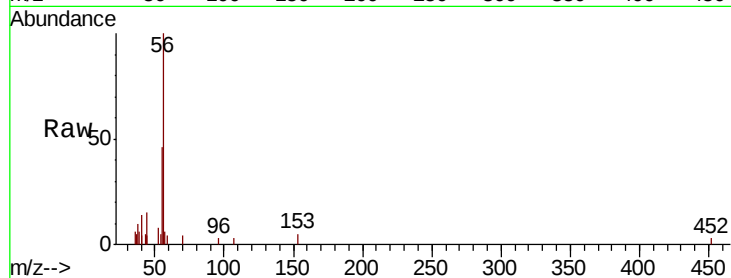
VD1017SBSD01

Tot Ion: 56 Resp: 9755

Ion Ratio Lower Upper

56 100

55 74.6 53.0 79.6



#14

Allyl chloride

Concen: 21.415 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

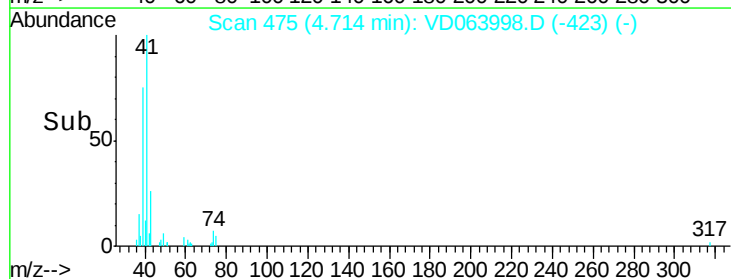
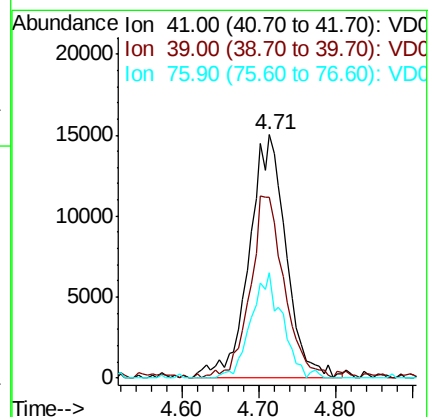
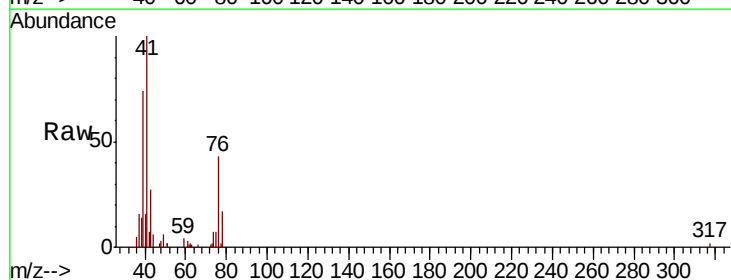
Tgt Ion: 41 Resp: 50403

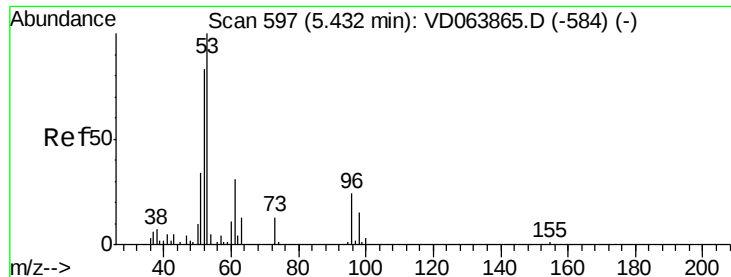
Ion Ratio Lower Upper

41 100

39 69.2 61.8 92.6

76 36.0 31.3 46.9





#15

Acrylonitrile

Concen: 110.758 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

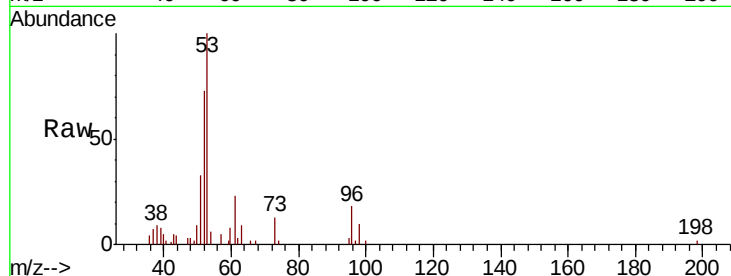
Tot Ion: 53 Resp: 40122

Ion Ratio Lower Upper

53 100

52 81.3 67.3 100.9

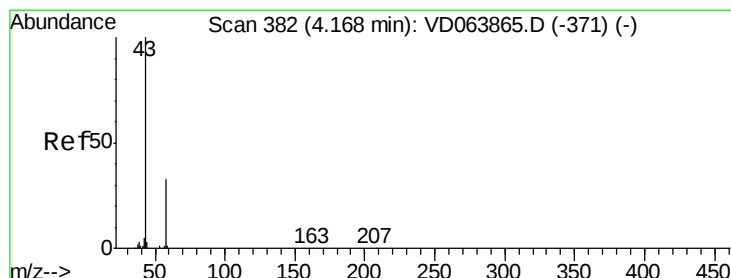
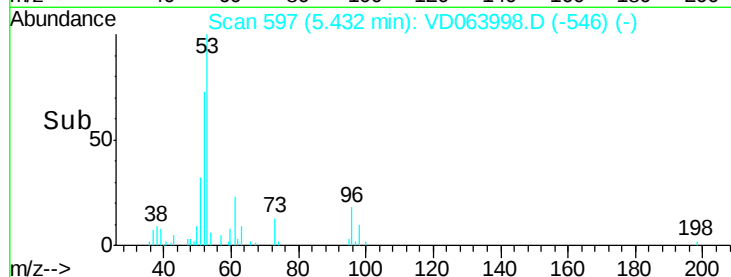
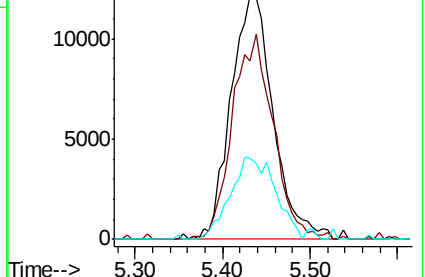
51 35.9 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 92.734 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063998.D

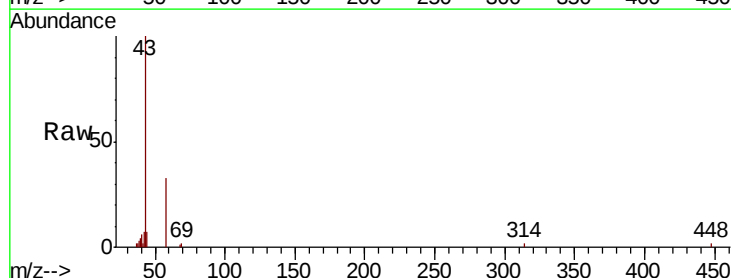
Acq: 17 Oct 2019 11:51

Tgt Ion: 43 Resp: 39706

Ion Ratio Lower Upper

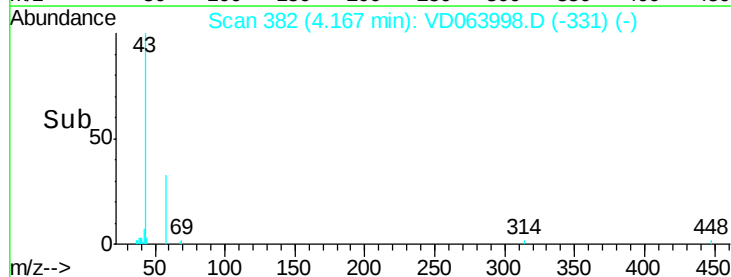
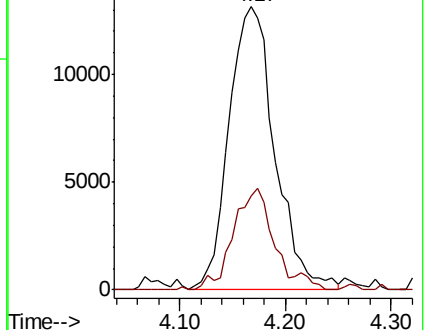
43 100

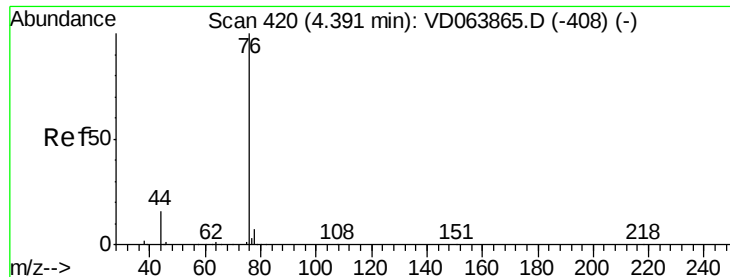
58 33.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

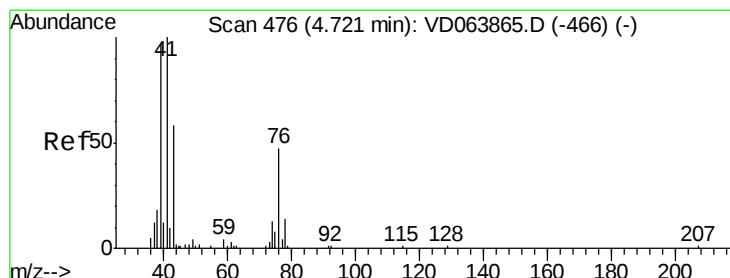
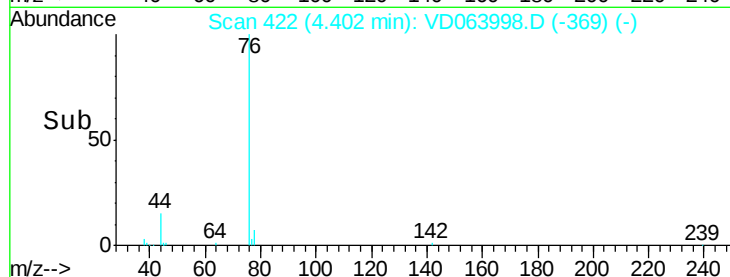
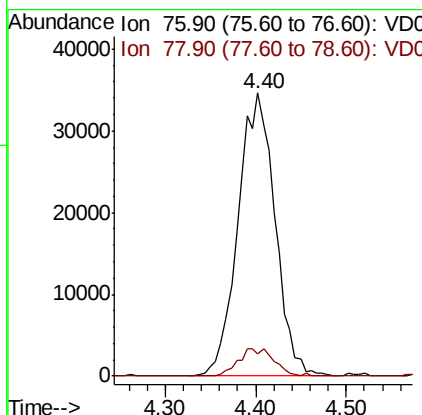
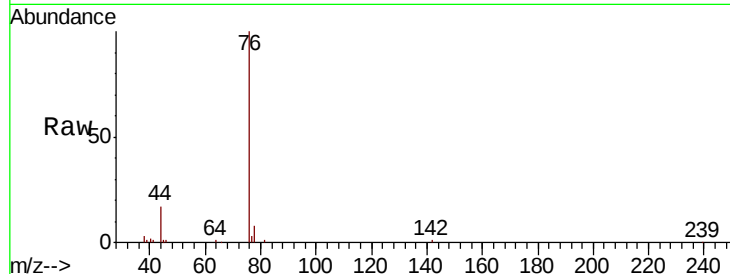




#17
Carbon Disulfide
Concen: 19.090 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

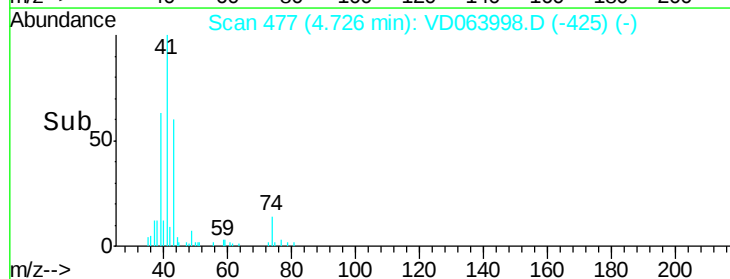
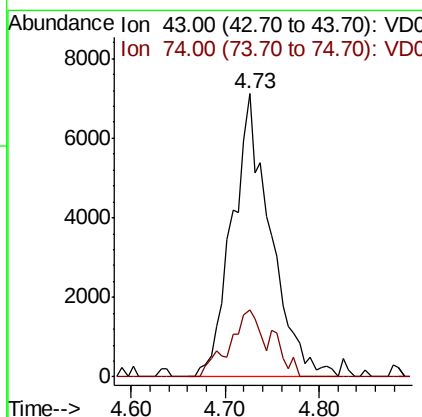
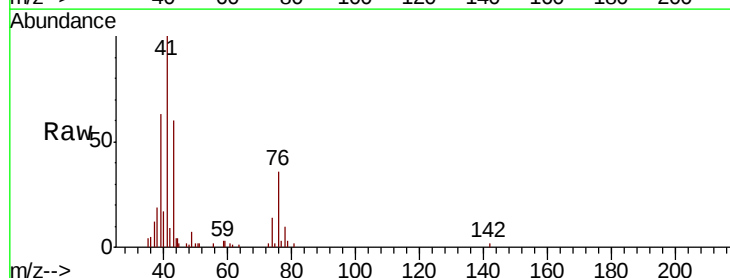
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

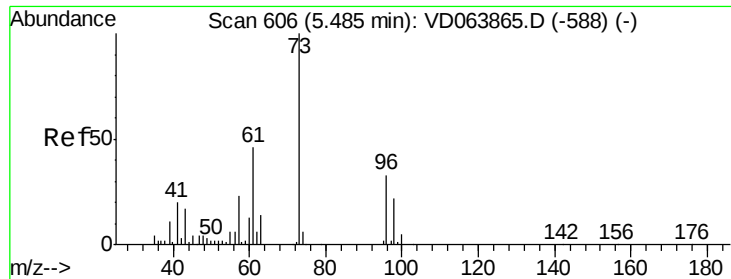
Tot Ion: 76 Resp: 98242
Ion Ratio Lower Upper
76 100
78 8.1 5.8 8.8



#18
Methyl Acetate
Concen: 23.966 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 43 Resp: 20070
Ion Ratio Lower Upper
43 100
74 19.4 20.8 31.2#

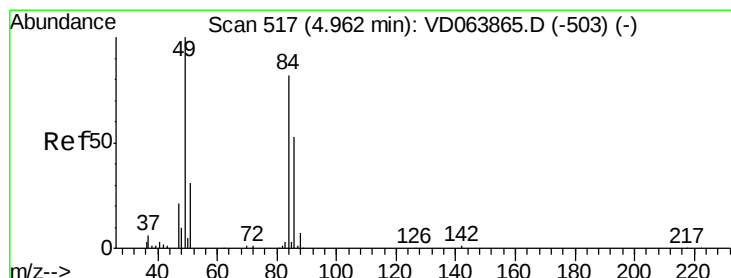
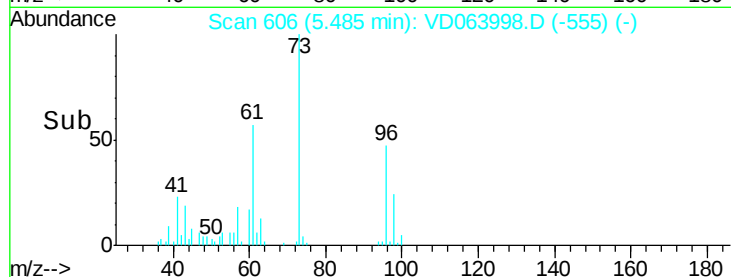
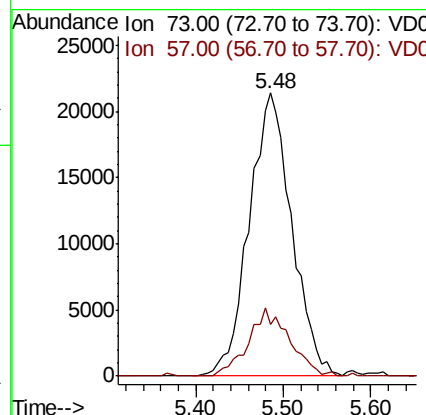
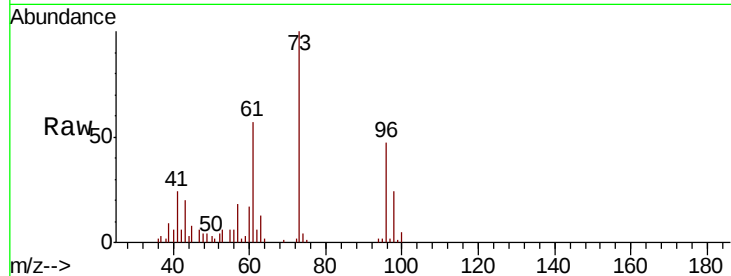




#19
Methyl tert-butyl Ether
Concen: 19.395 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

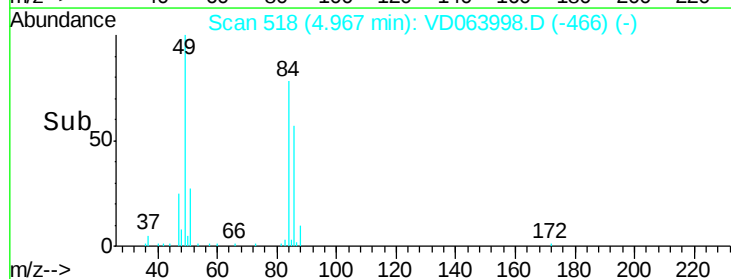
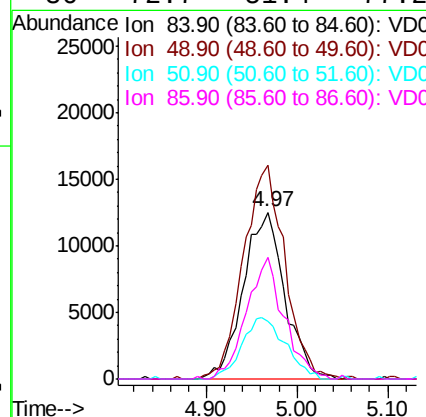
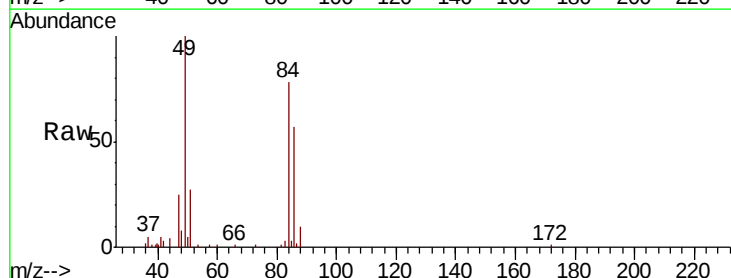
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

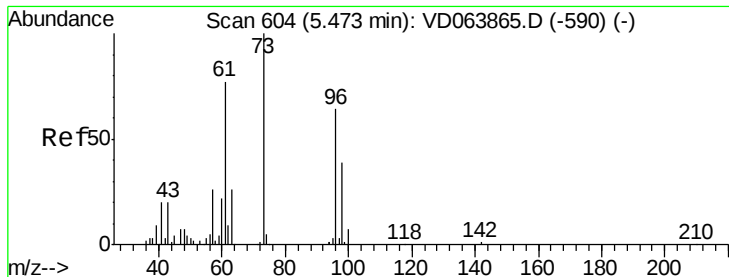
Tot Ion: 73 Resp: 71102
Ion Ratio Lower Upper
73 100
57 18.1 18.1 27.1#



#20
Methylene Chloride
Concen: 19.038 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 84 Resp: 39711
Ion Ratio Lower Upper
84 100
49 128.3 97.3 145.9
51 34.6 30.1 45.1
86 72.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.979 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

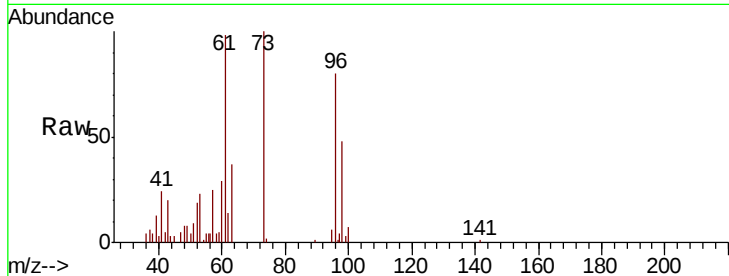
Tot Ion: 96 Resp: 36972

Ion Ratio Lower Upper

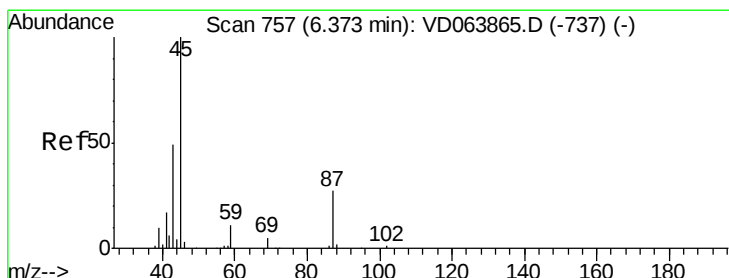
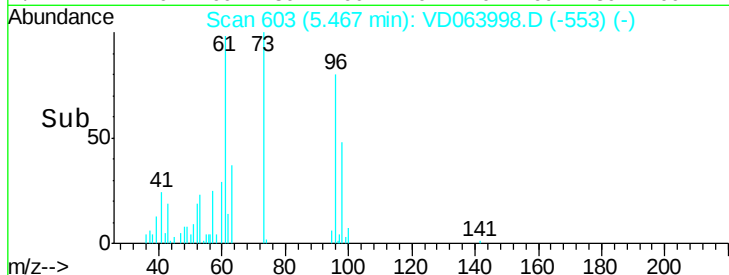
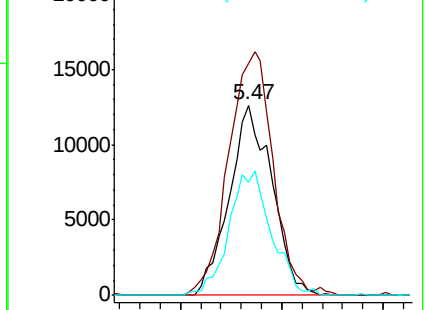
96 100

61 122.1 96.6 145.0

98 59.6 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: 20.649 ug/l

RT: 6.38 min Scan# 758

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Tgt Ion: 45 Resp: 99260

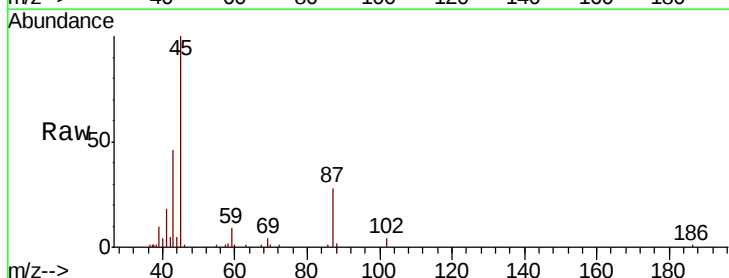
Ion Ratio Lower Upper

45 100

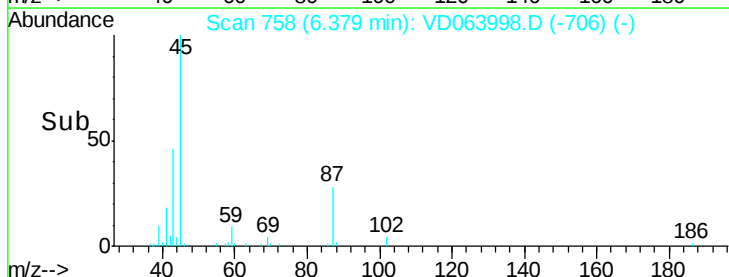
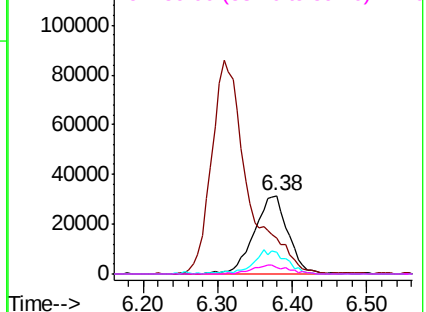
43 44.1 41.2 61.8

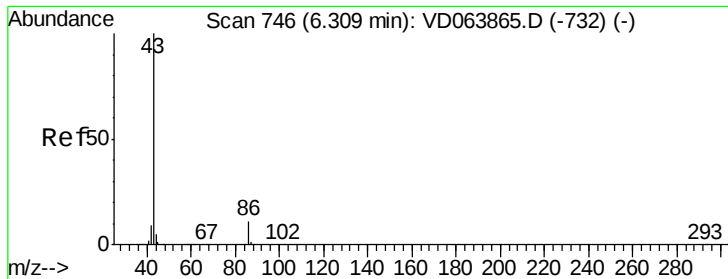
87 28.0 22.2 33.4

59 8.6 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: 101.214 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

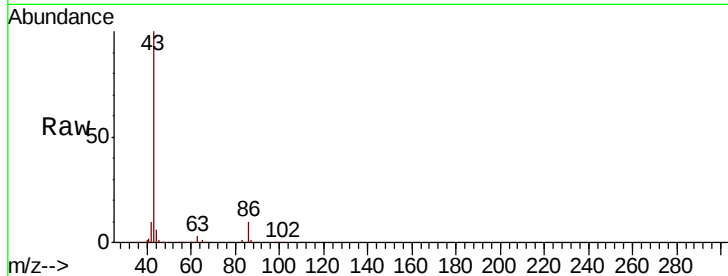
VD1017SBSD01

Tot Ion: 43 Resp: 289431

Ion Ratio Lower Upper

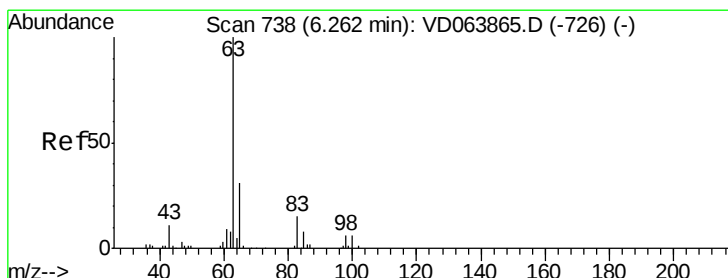
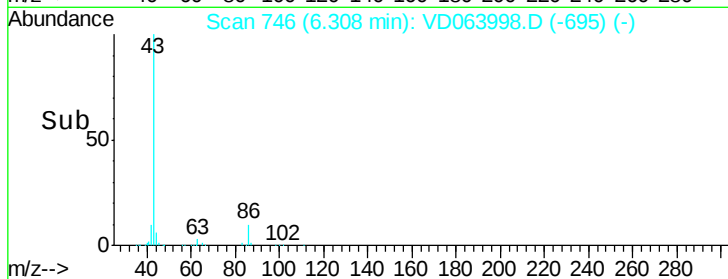
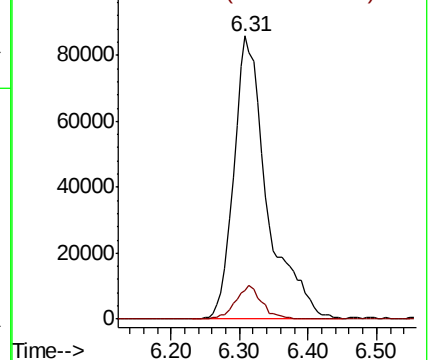
43 100

86 10.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.191 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

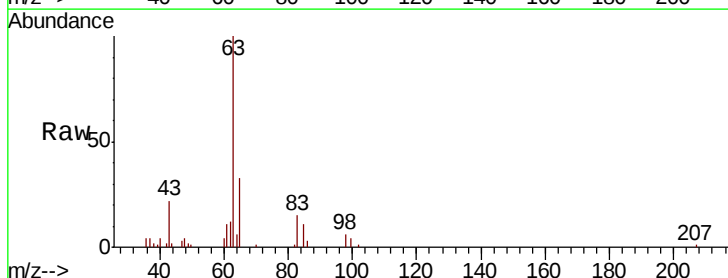
Tgt Ion: 63 Resp: 62743

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

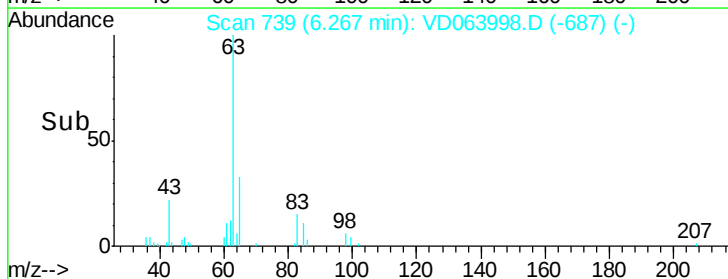
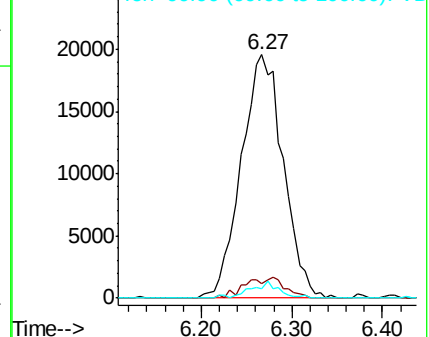
100 3.8 3.0 9.2

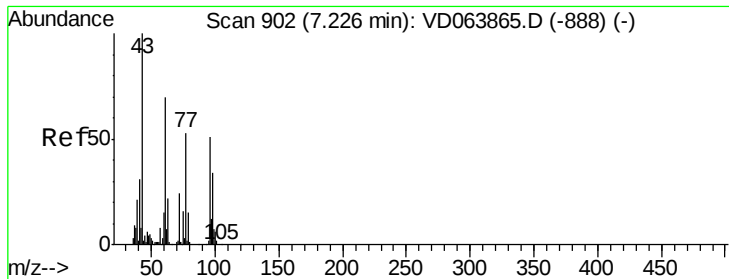


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.647 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

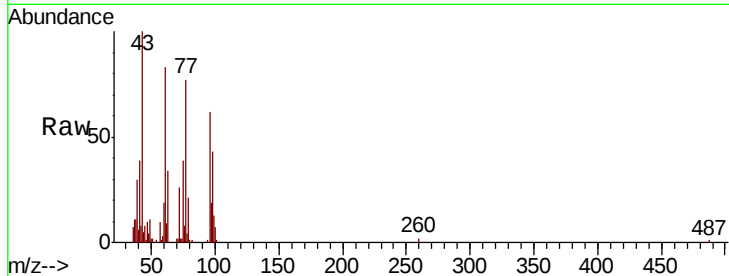
VD1017SBSD01

Tot Ion: 43 Resp: 50056

Ion Ratio Lower Upper

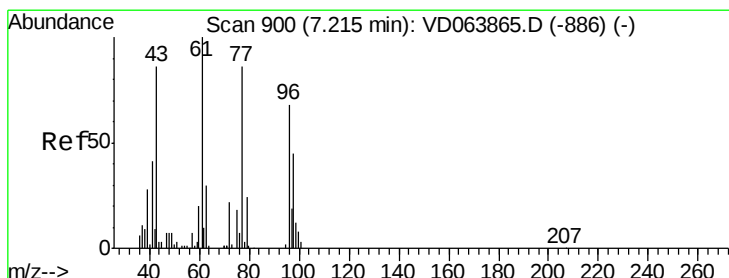
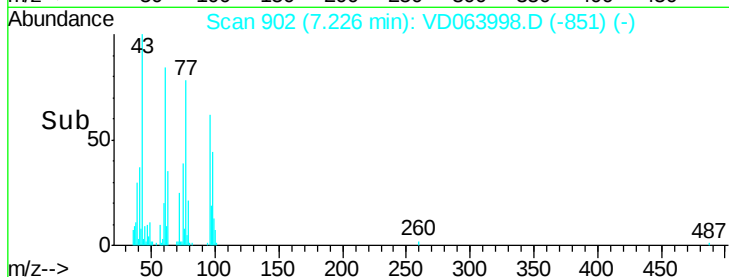
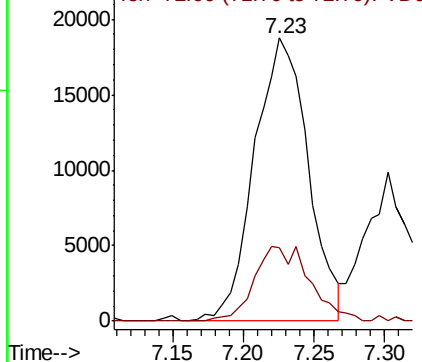
43 100

72 25.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.626 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063998.D

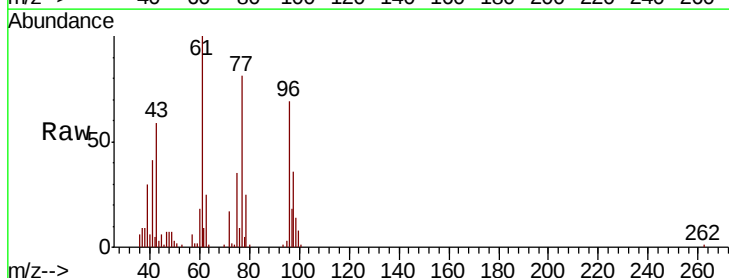
Acq: 17 Oct 2019 11:51

Tgt Ion: 77 Resp: 55246

Ion Ratio Lower Upper

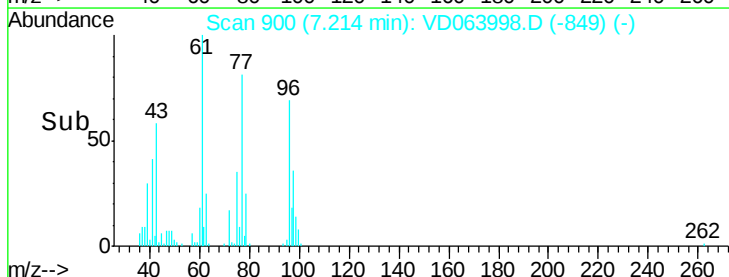
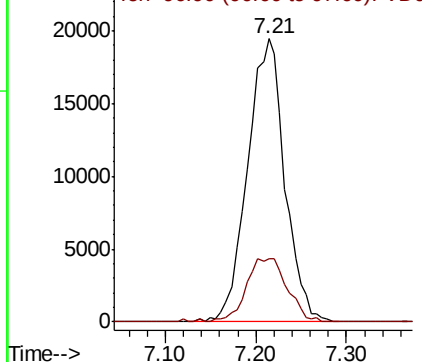
77 100

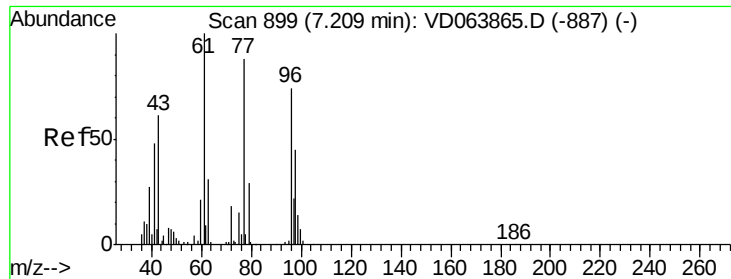
97 24.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

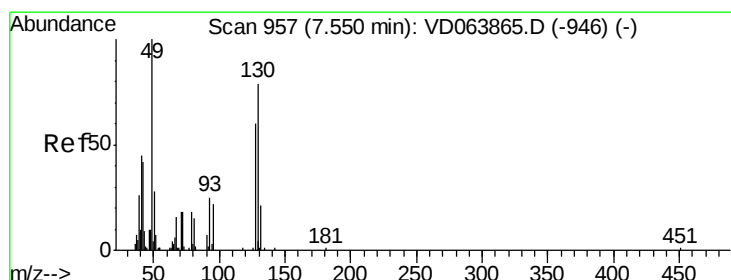
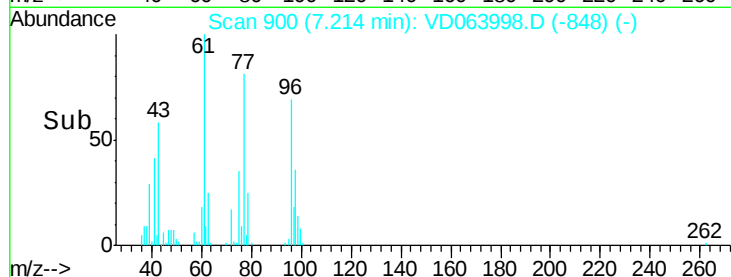
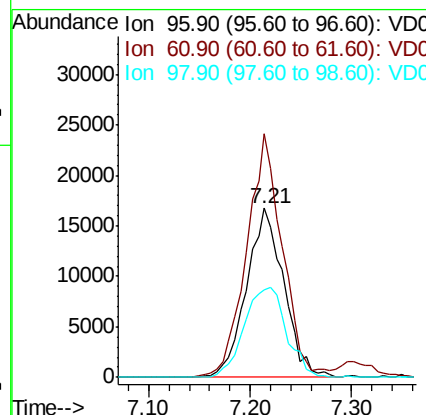
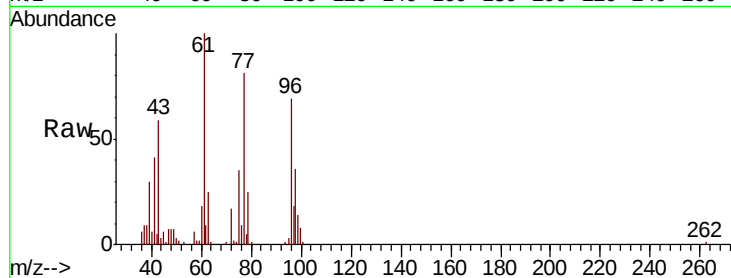




#27
 cis-1,2-Dichloroethene
 Concen: 21.364 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

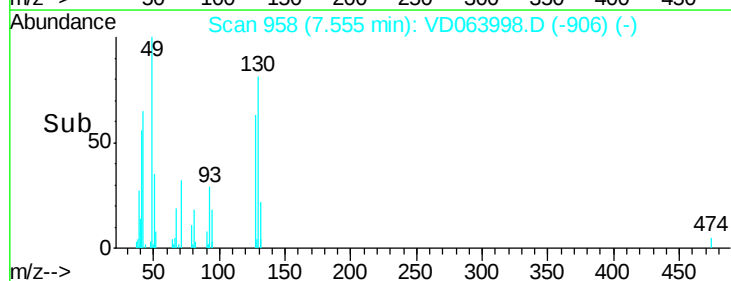
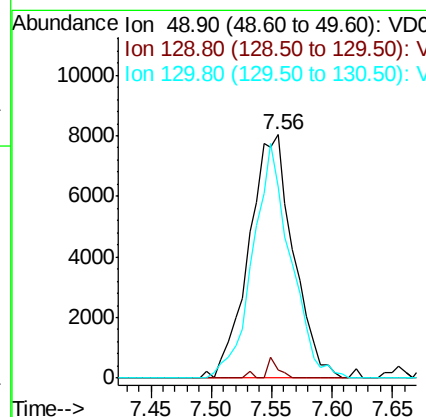
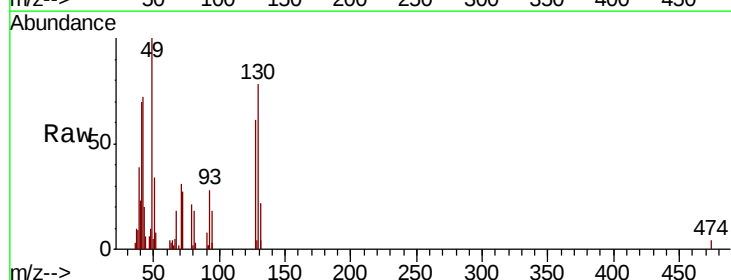
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

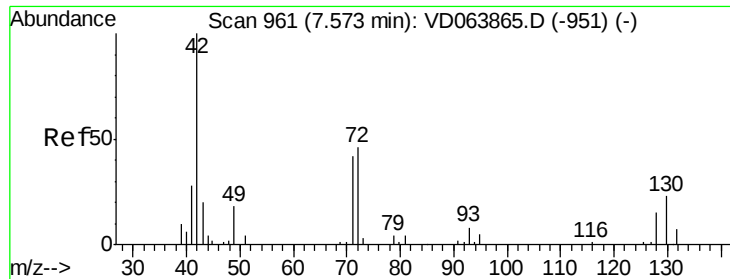
Tot Ion: 96 Resp: 42617
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 280.0
 98 60.1 0.0 130.4



#28
 Bromochloromethane
 Concen: 19.406 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Tgt Ion: 49 Resp: 20511
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.6
 130 82.1 66.8 100.2

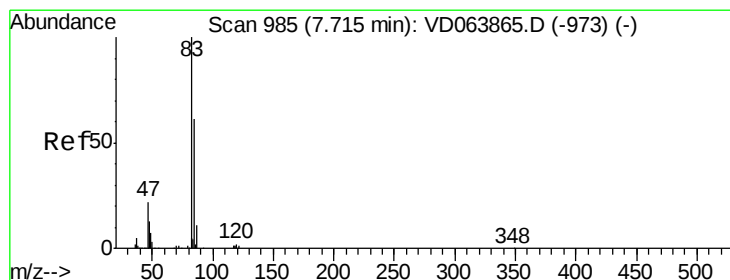
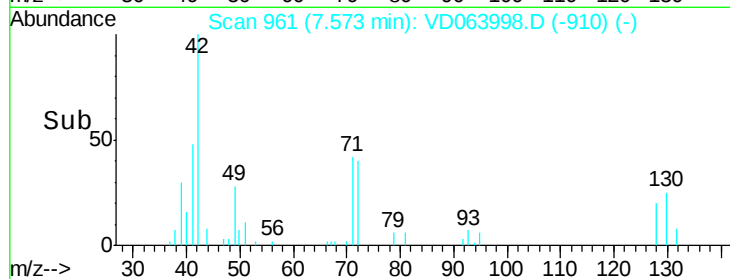
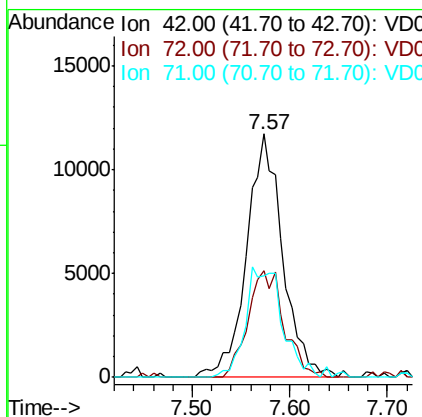
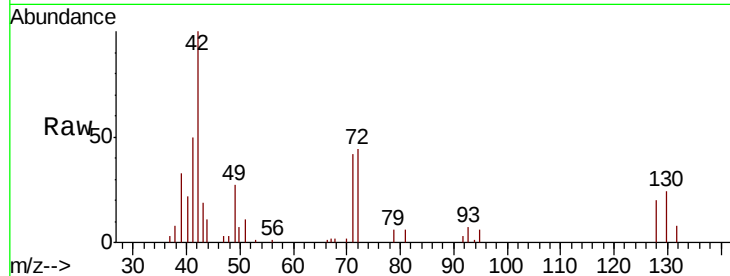




#29
Tetrahydrofuran
Concen: 102.132 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

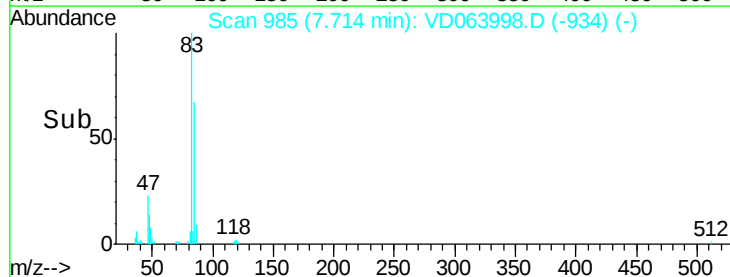
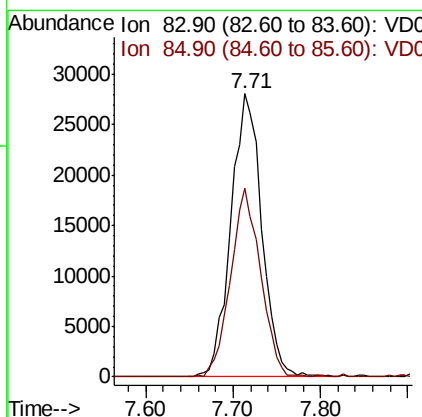
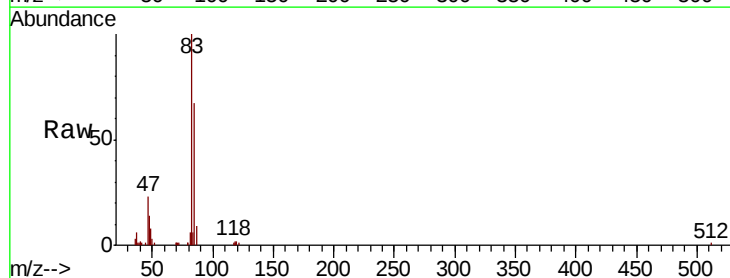
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

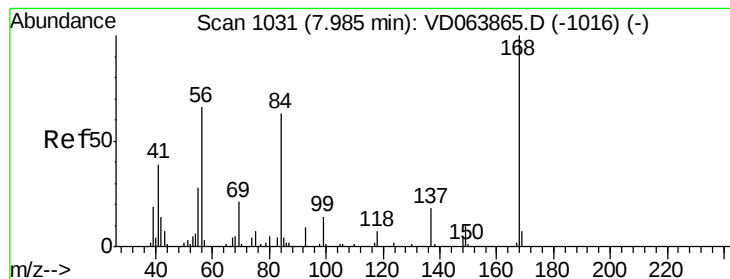
Tot Ion: 42 Resp: 30249
Ion Ratio Lower Upper
42 100
72 43.9 37.6 56.4
71 45.8 35.0 52.6



#30
Chloroform
Concen: 20.855 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 83 Resp: 67068
Ion Ratio Lower Upper
83 100
85 66.9 48.9 73.3





#31

Cyclohexane

Concen: 22.718 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

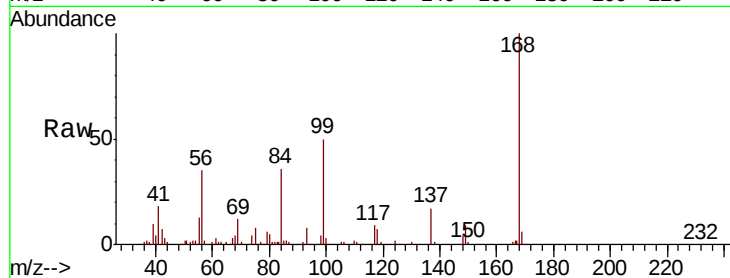
Tot Ion: 56 Resp: 60946

Ion Ratio Lower Upper

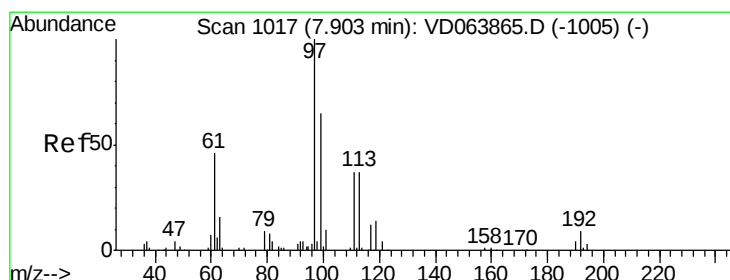
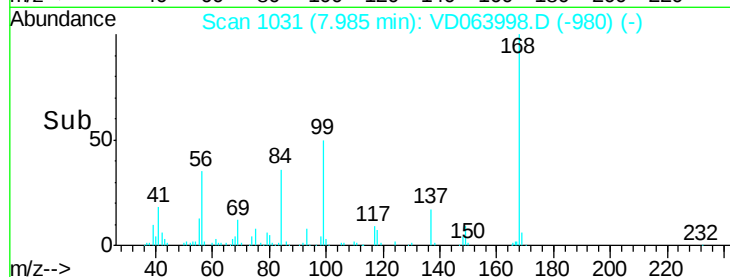
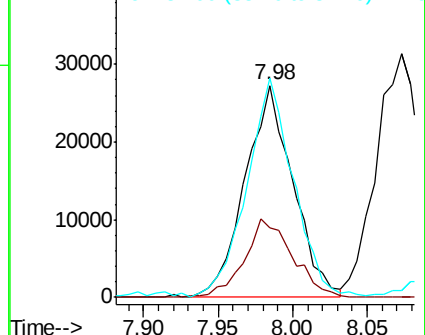
56 100

69 32.2 25.0 37.4

84 103.5 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: 21.463 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

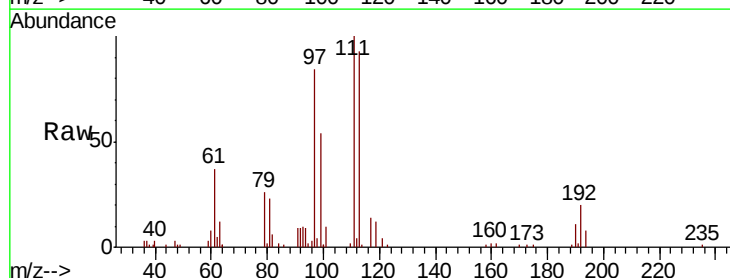
Tgt Ion: 97 Resp: 59209

Ion Ratio Lower Upper

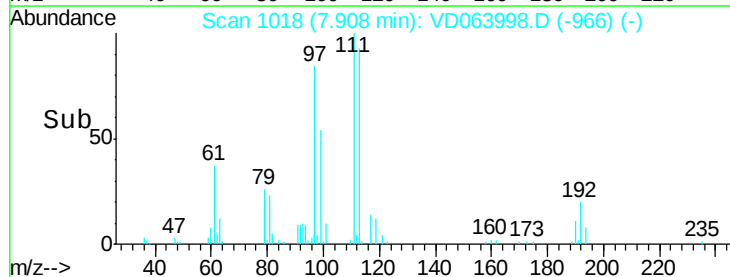
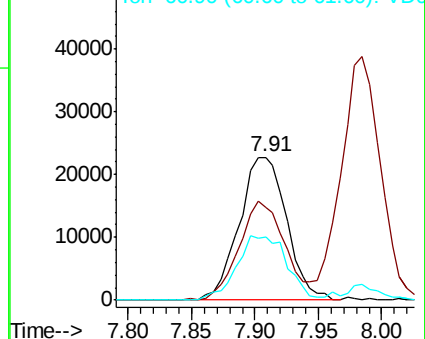
97 100

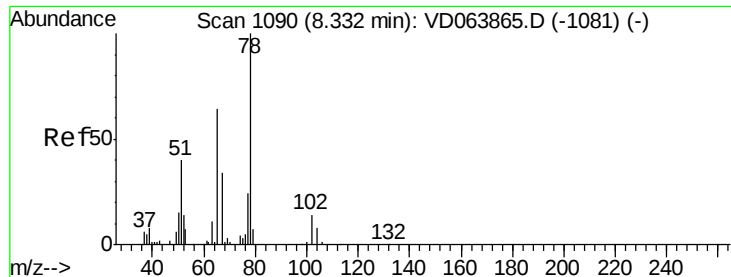
99 67.4 52.4 78.6

61 47.5 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: 51.330 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

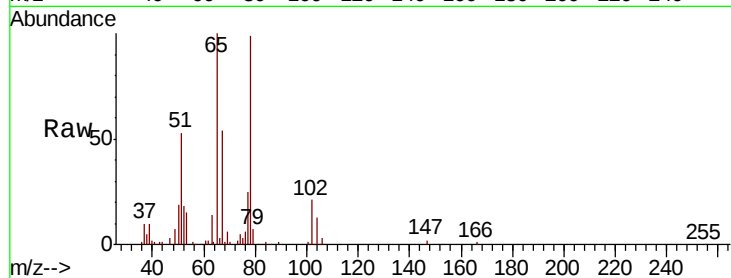
VD1017SBSD01

Tot Ion: 65 Resp: 84415

Ion Ratio Lower Upper

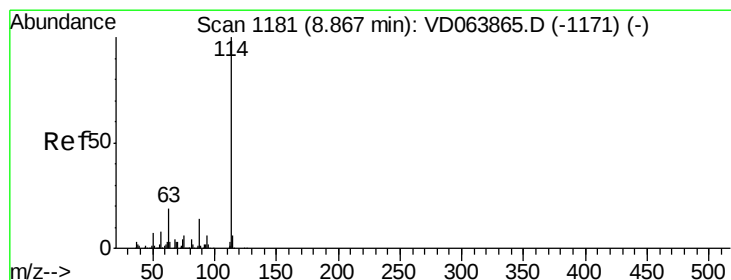
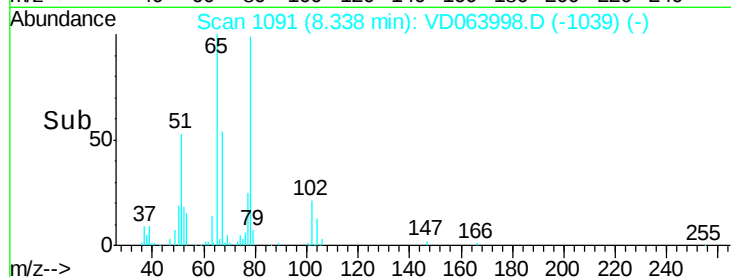
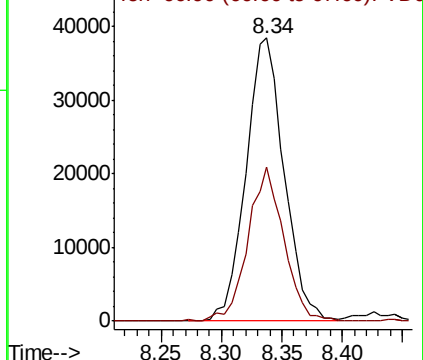
65 100

67 51.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

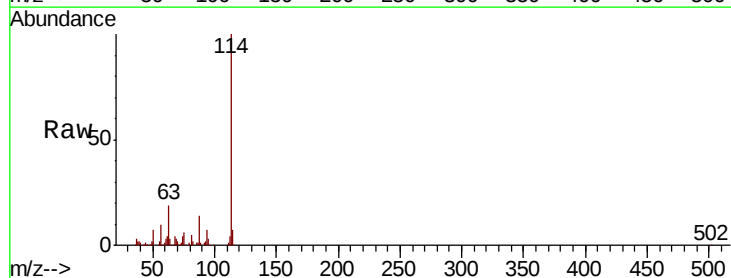
Tgt Ion: 114 Resp: 257480

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

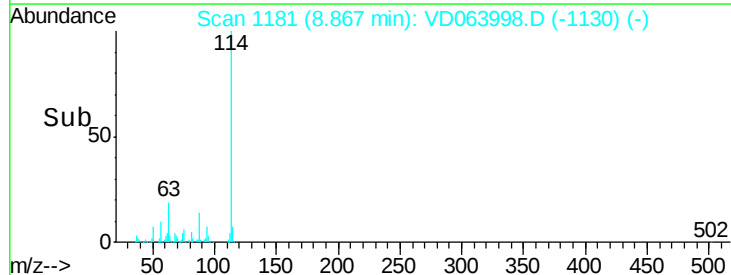
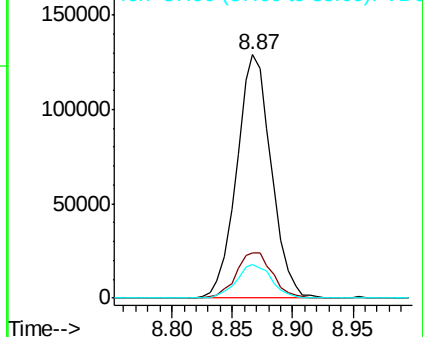
88 13.9 0.0 27.4

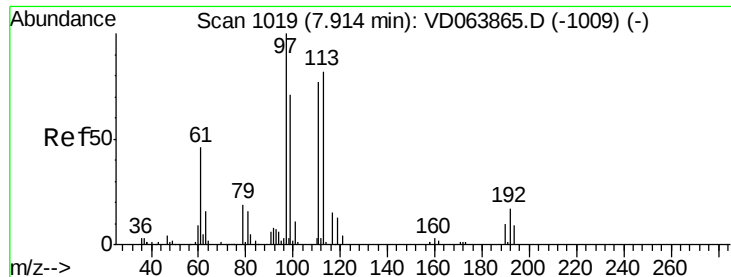


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

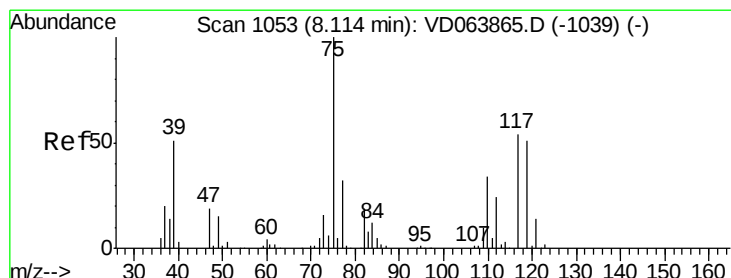
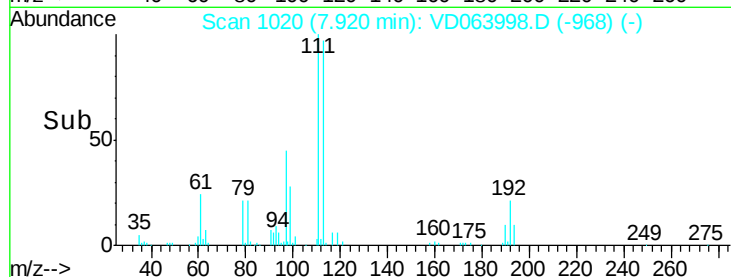
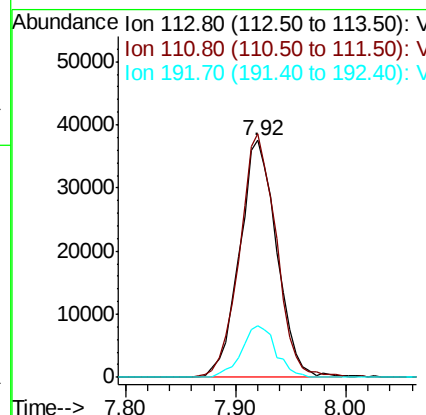
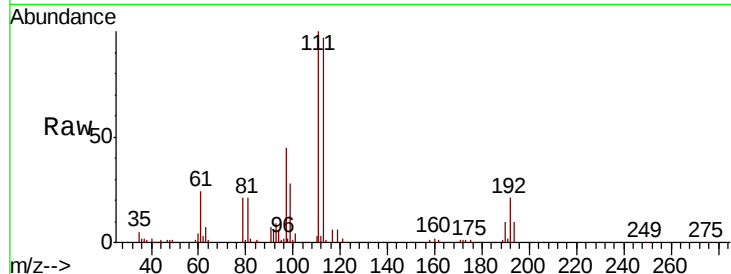




#35
 Dibromofluoromethane
 Concen: 56.480 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

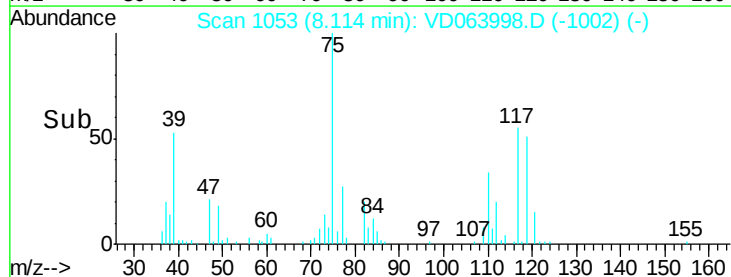
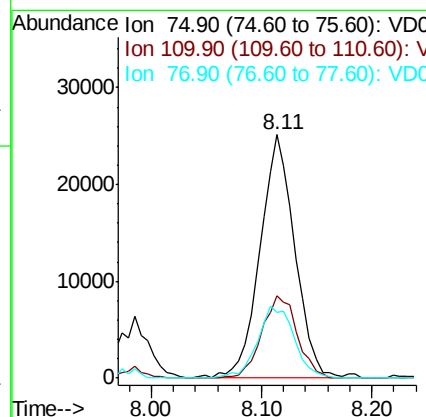
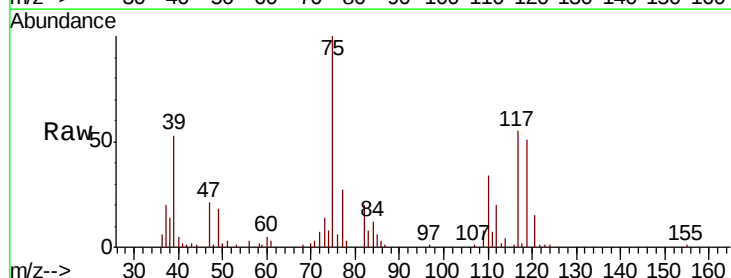
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBSD01

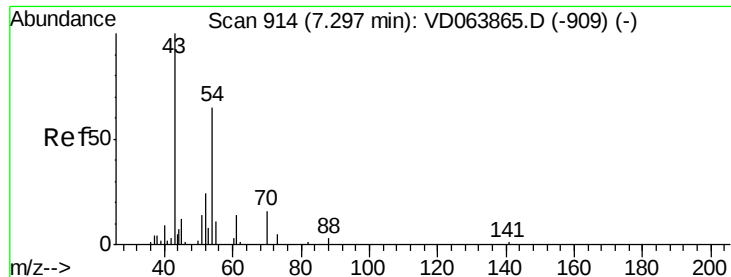
Tot Ion:113 Resp: 88873
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.6 123.8
 192 20.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 23.552 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Tgt Ion: 75 Resp: 55447
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.4 52.3
 77 31.2 25.4 38.0

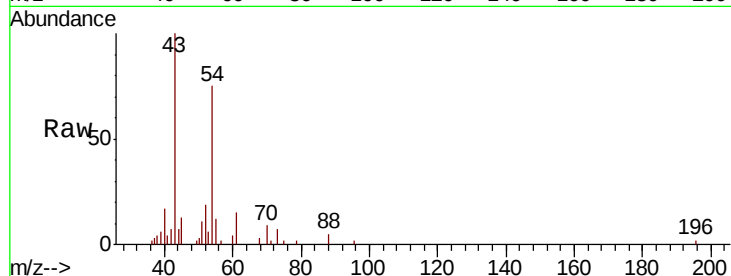




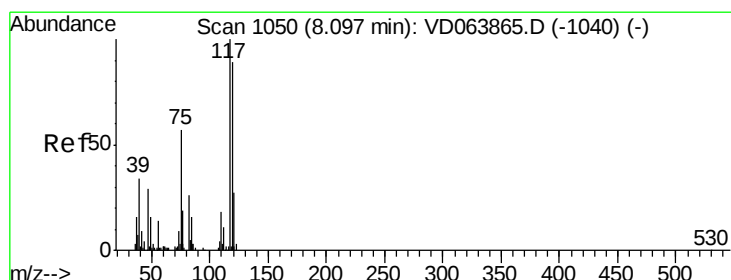
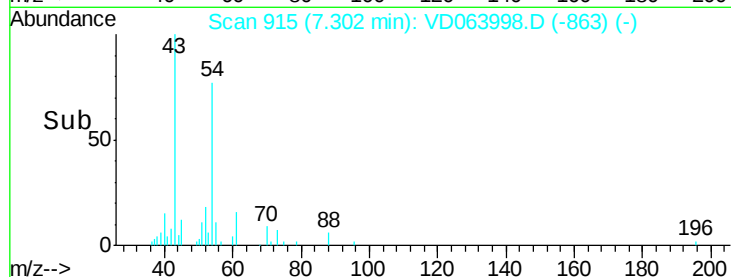
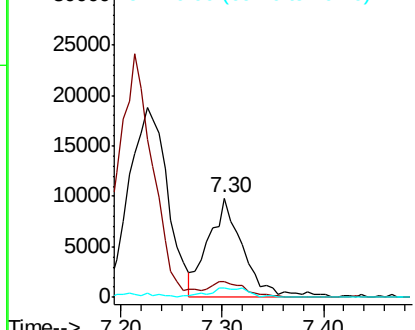
#37
Ethyl Acetate
Concen: 22.778 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

Tot Ion: 43 Resp: 23552
Ion Ratio Lower Upper
43 100
61 15.7 11.5 17.3
70 10.4 8.2 12.4

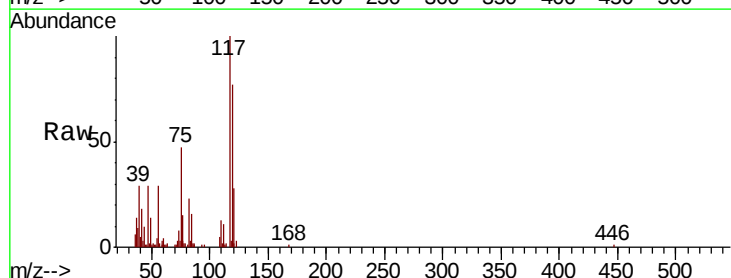


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

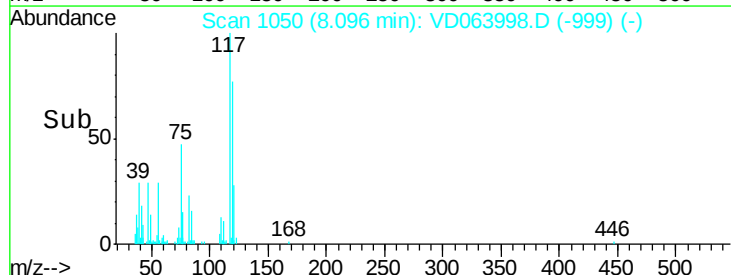
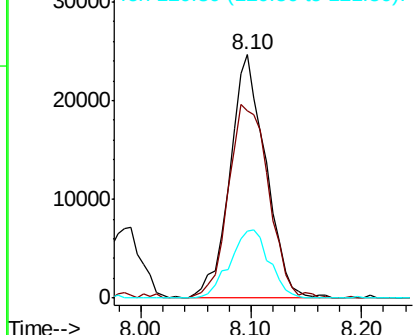


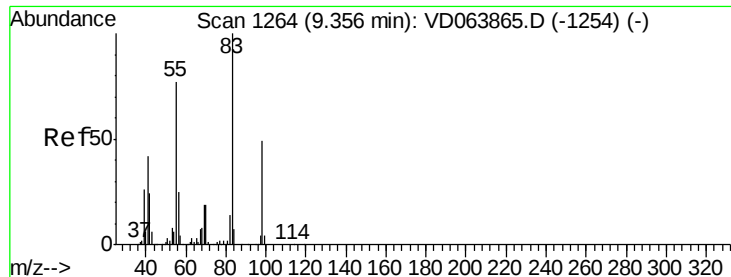
#38
Carbon Tetrachloride
Concen: 23.607 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 117 Resp: 56162
Ion Ratio Lower Upper
117 100
119 76.8 70.8 106.2
121 27.5 21.4 32.0



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

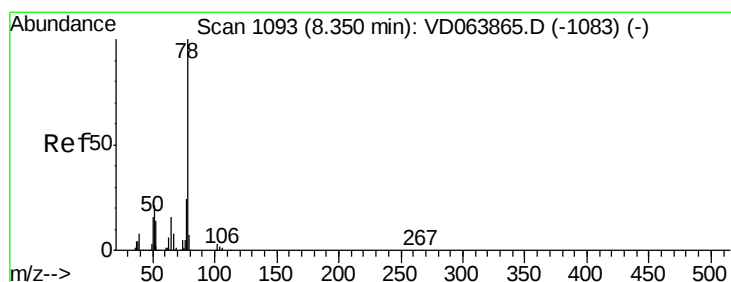
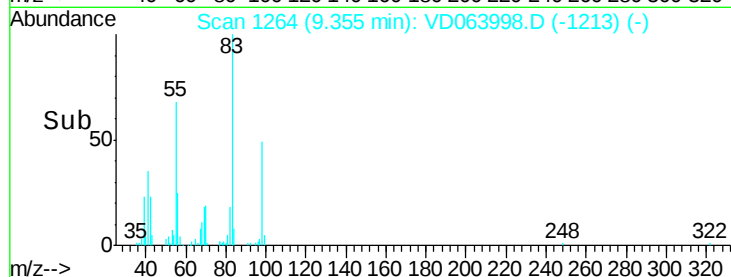
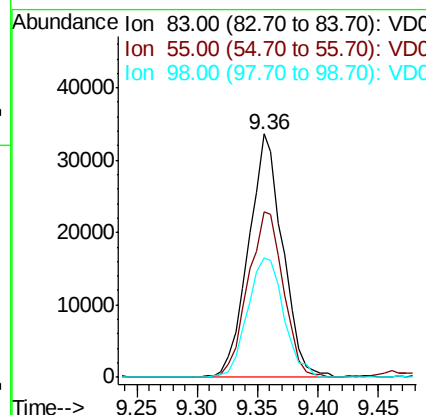
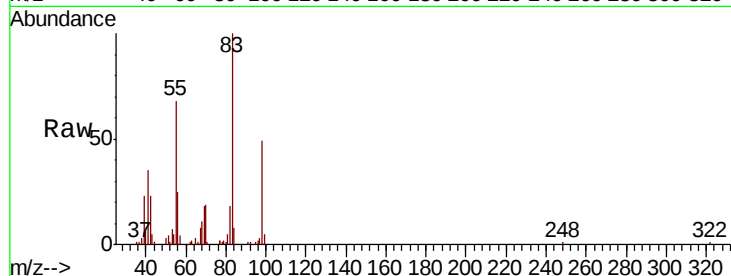




#39
Methvlcvclohexane
Concen: 22.966 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

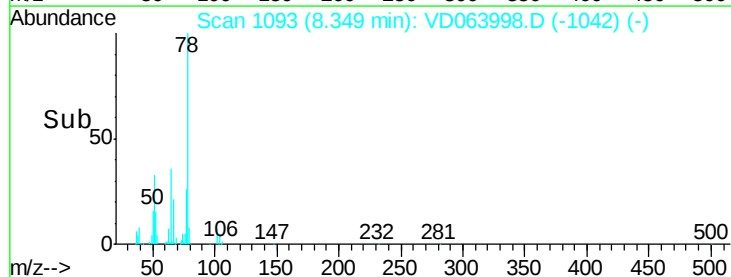
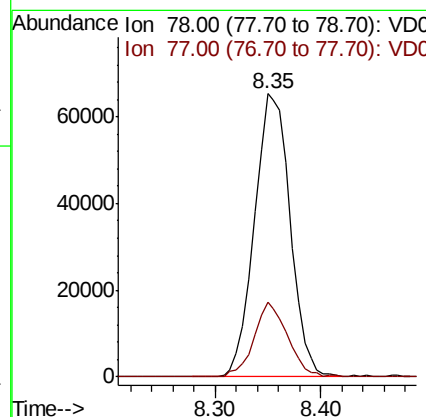
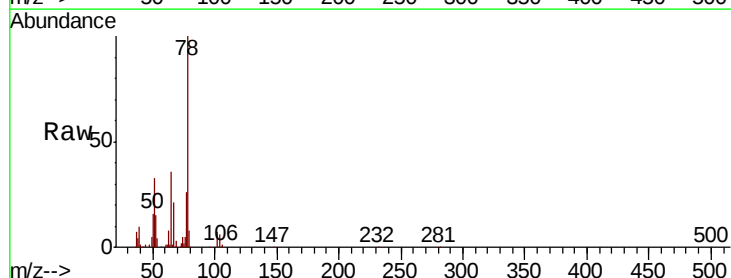
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

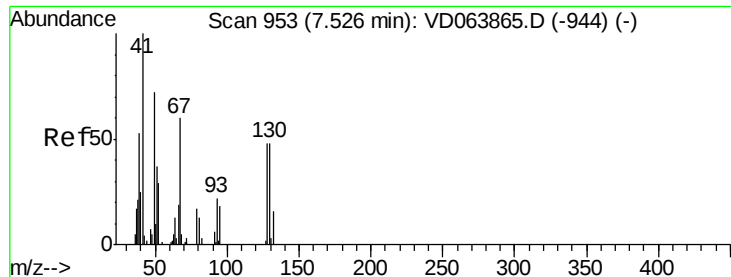
Tot Ion: 83 Resp: 66477
Ion Ratio Lower Upper
83 100
55 68.0 61.3 91.9
98 49.1 39.3 58.9



#40
Benzene
Concen: 22.739 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 78 Resp: 153409
Ion Ratio Lower Upper
78 100
77 26.3 19.0 28.6

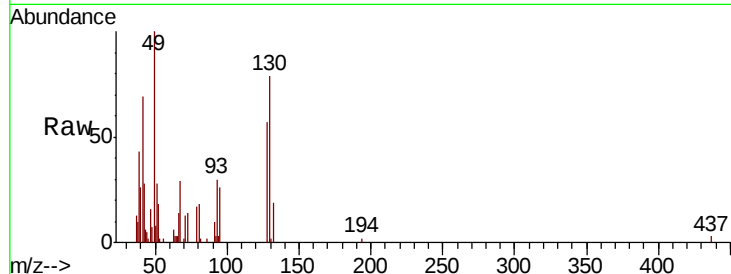




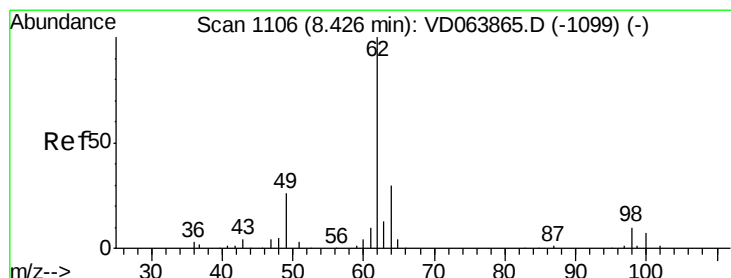
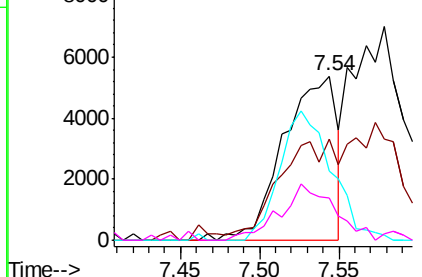
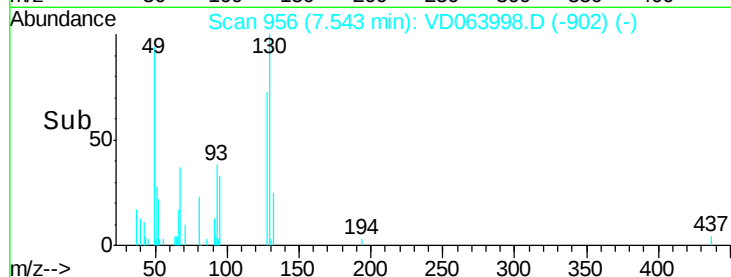
#41
Methacrylonitrile
Concen: 22.973 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.02 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

Tot Ion: 41 Resp: 12539
Ion Ratio Lower Upper
41 100
39 44.6 52.6 78.8#
67 77.0 74.2 111.2
52 34.6 34.0 51.0

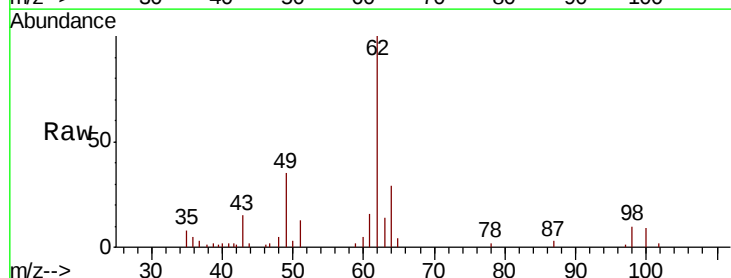


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

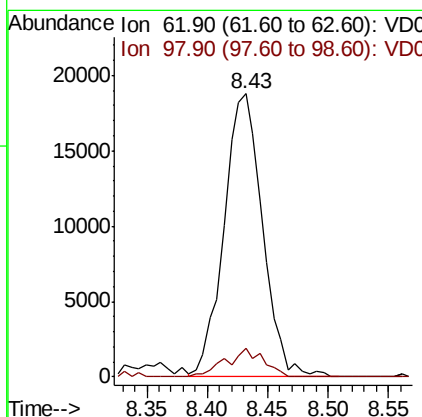
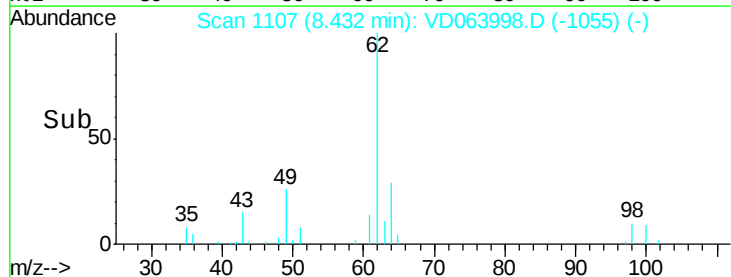


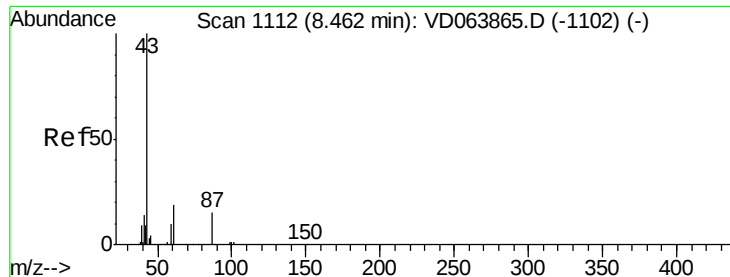
#42
1,2-Dichloroethane
Concen: 21.370 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 62 Resp: 41703
Ion Ratio Lower Upper
62 100
98 9.9 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: 20.179 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

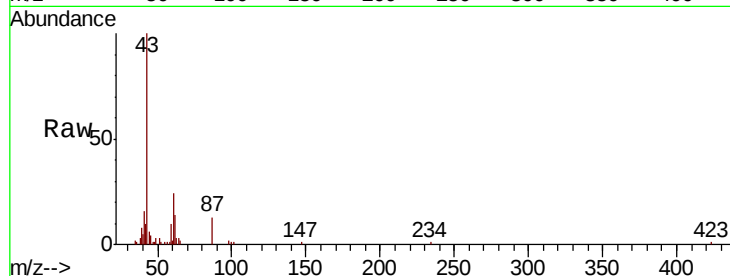
Tot Ion: 43 Resp: 39840

Ion Ratio Lower Upper

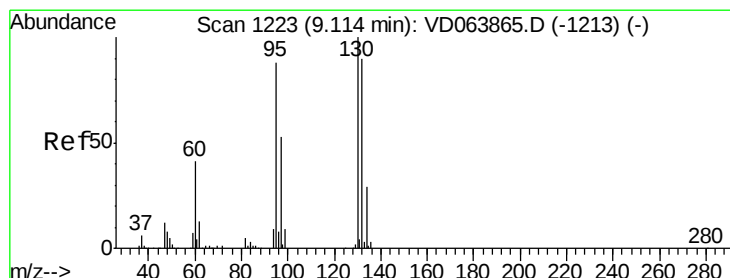
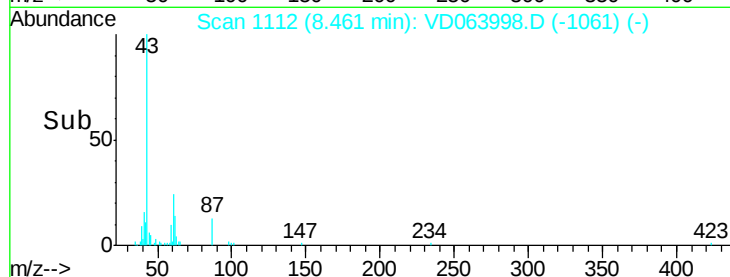
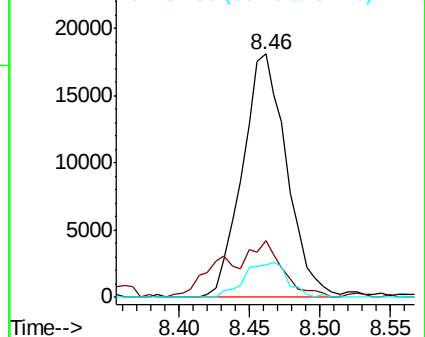
43 100

61 17.6 25.7 38.5#

87 13.9 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: 22.933 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063998.D

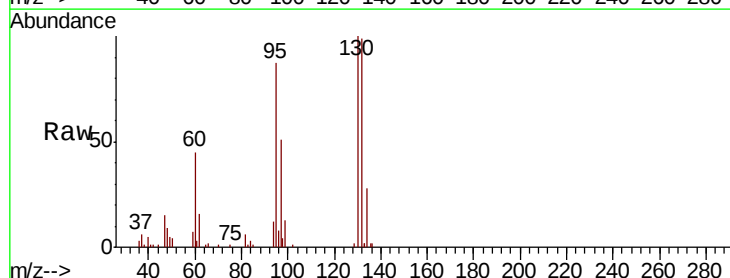
Acq: 17 Oct 2019 11:51

Tgt Ion: 130 Resp: 44615

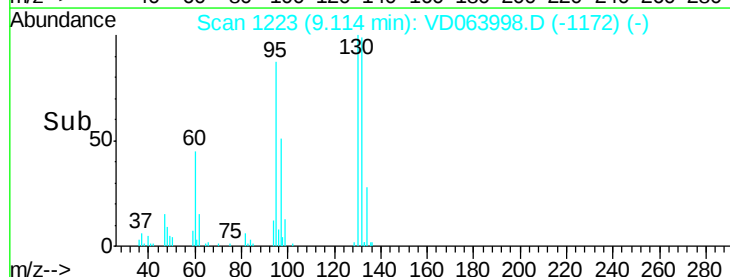
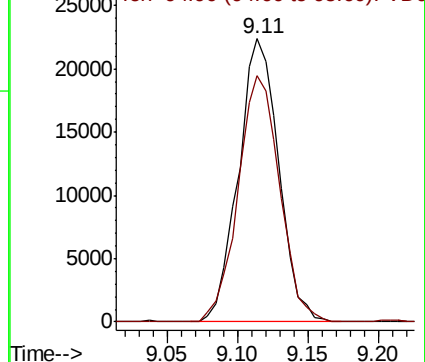
Ion Ratio Lower Upper

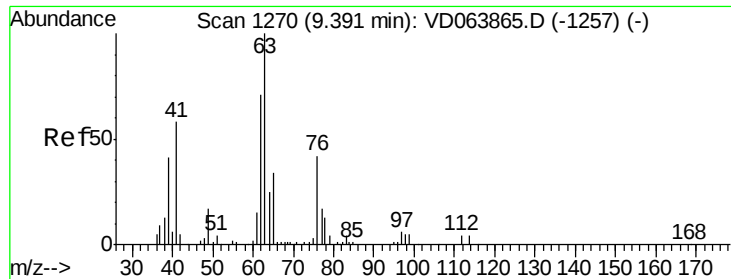
130 100

95 87.1 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.507 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

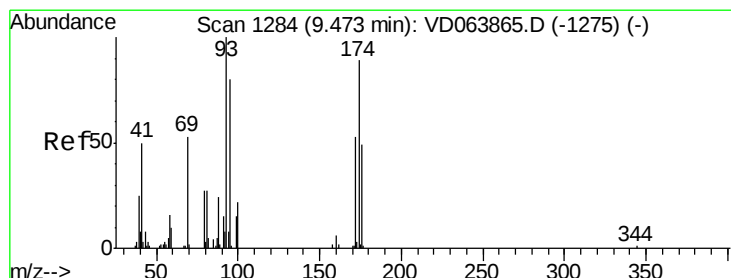
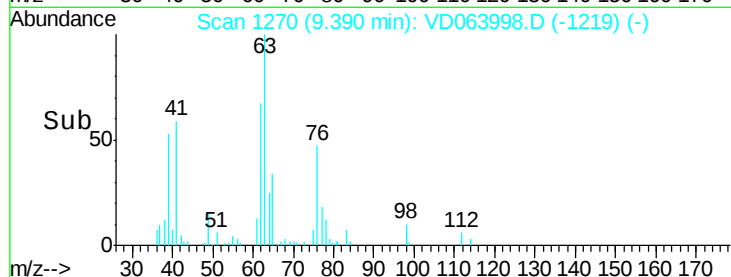
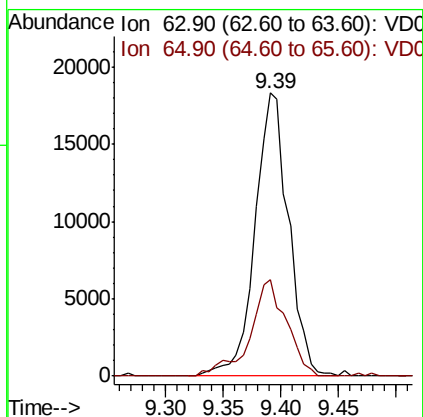
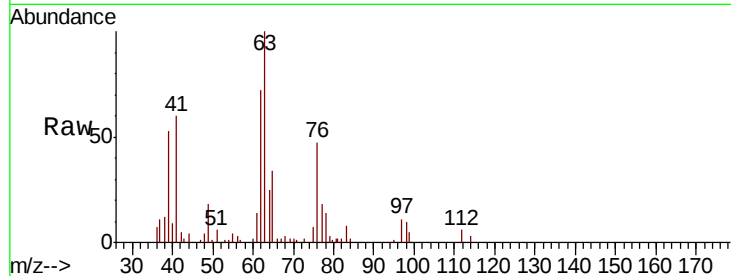
VD1017SBS01

Tot Ion: 63 Resp: 37166

Ion Ratio Lower Upper

63 100

65 34.1 27.3 40.9



#46

Dibromomethane

Concen: 23.195 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

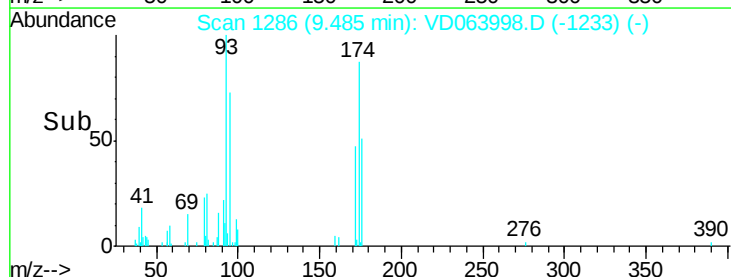
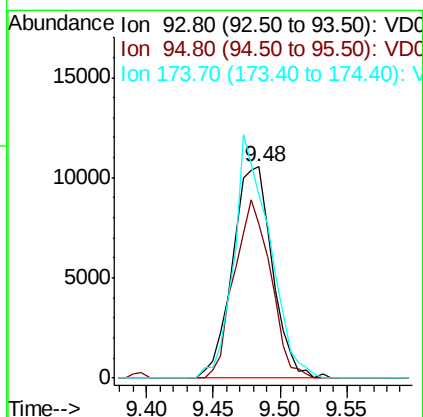
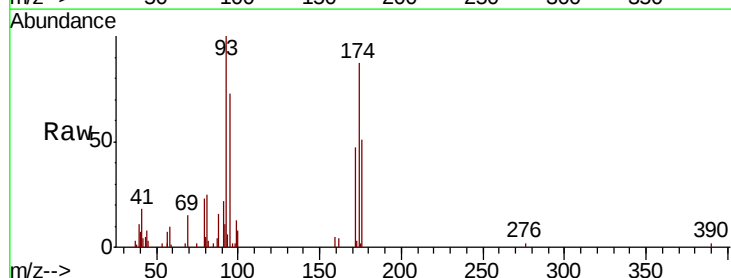
Tgt Ion: 93 Resp: 21813

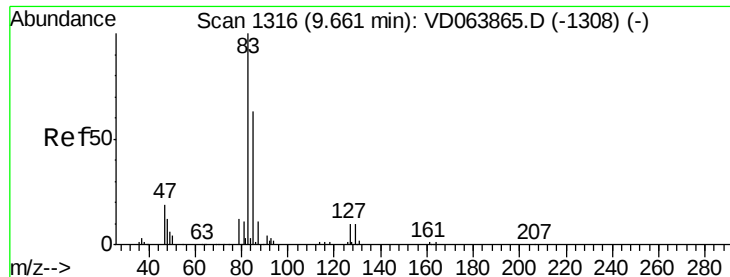
Ion Ratio Lower Upper

93 100

95 77.3 66.0 99.0

174 103.6 83.4 125.0





#47

Bromodichloromethane

Concen: 21.430 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

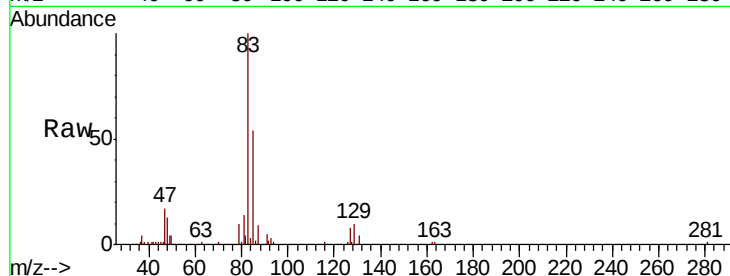
Tot Ion: 83 Resp: 51888

Ion Ratio Lower Upper

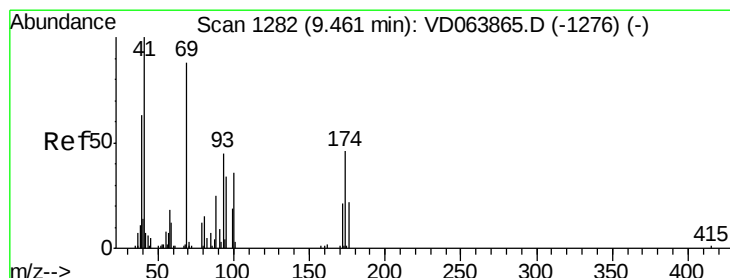
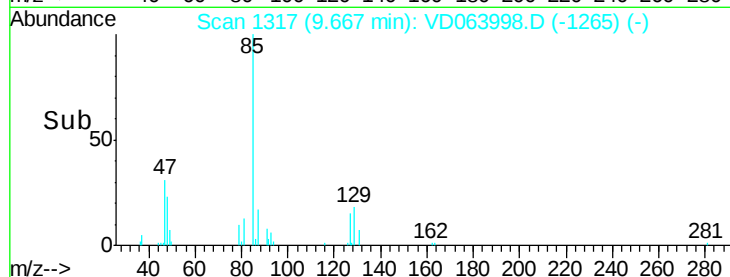
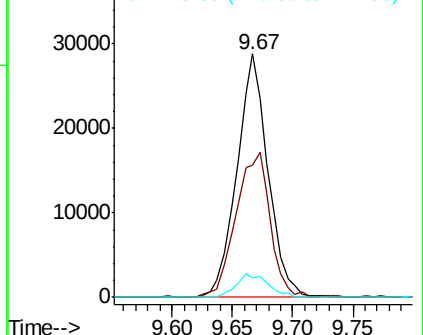
83 100

85 54.3 50.2 75.2

127 8.2 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.908 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

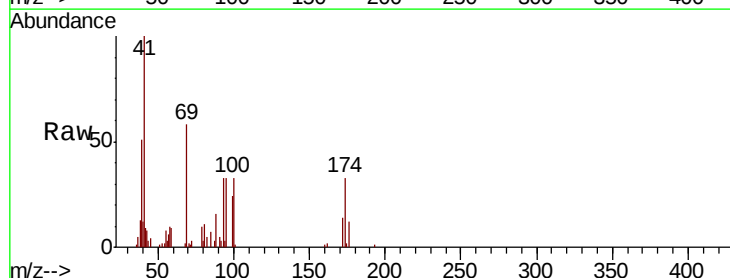
Tgt Ion: 41 Resp: 18832

Ion Ratio Lower Upper

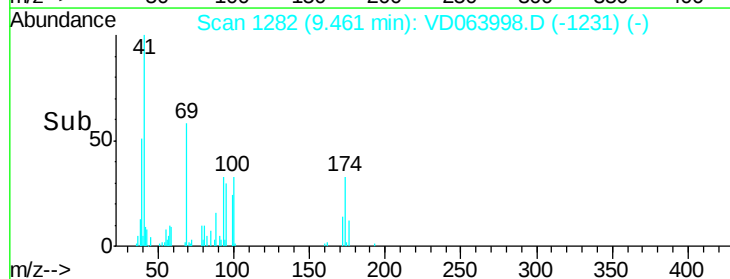
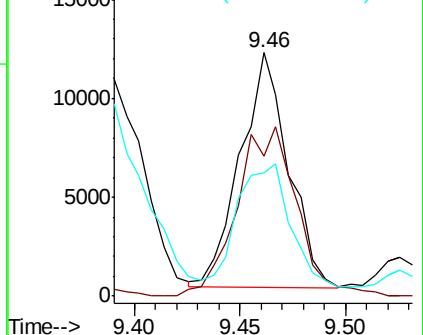
41 100

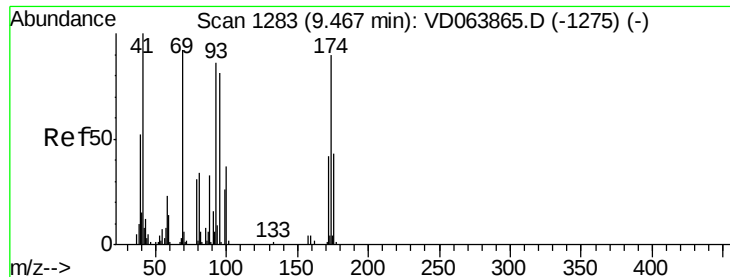
69 89.1 75.1 112.7

39 67.5 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

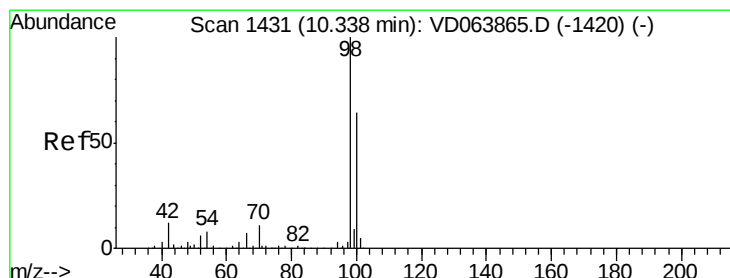
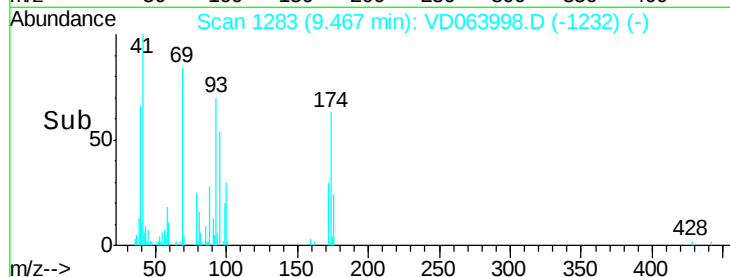
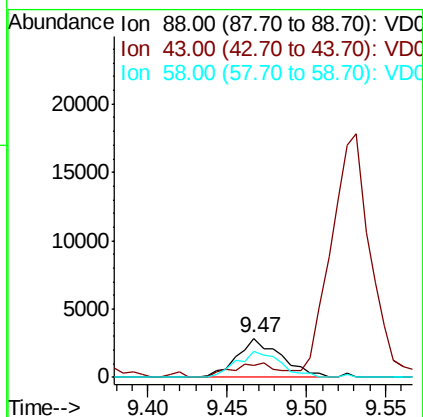
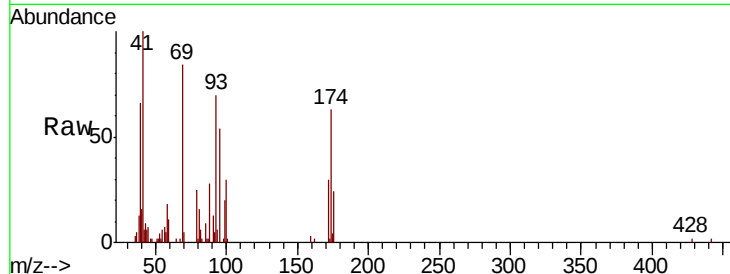




#49
1,4-Dioxane
Concen: 435.309 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

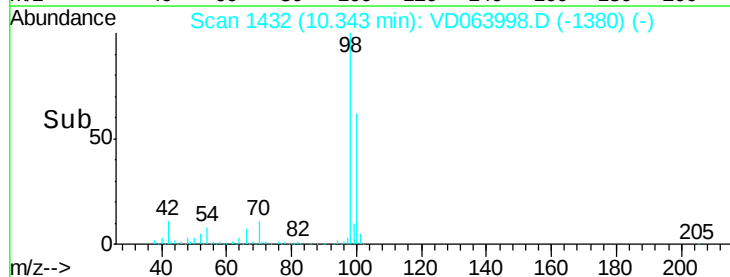
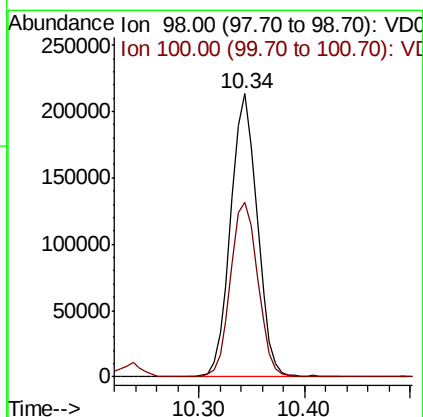
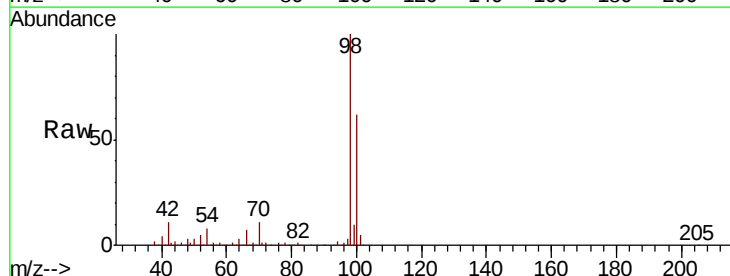
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBS01

Tot Ion: 88 Resp: 5588
Ion Ratio Lower Upper
88 100
43 38.2 27.6 41.4
58 65.7 54.1 81.1



#50
Toluene-d8
Concen: 58.298 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 98 Resp: 372337
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 104.965 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

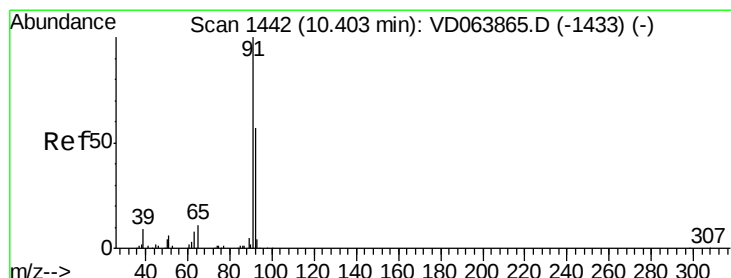
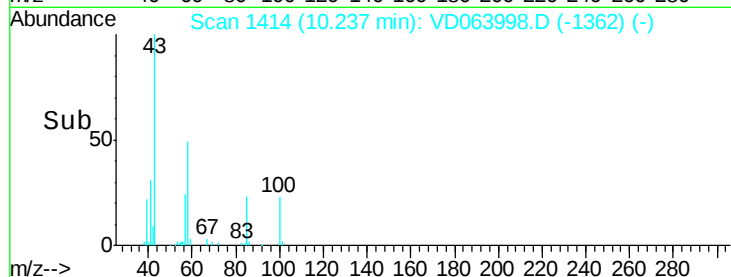
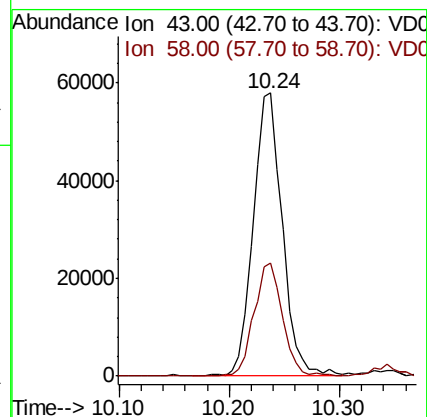
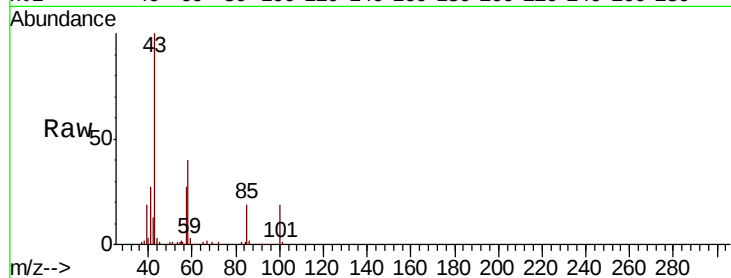
VD1017SBSD01

Tot Ion: 43 Resp: 107476

Ion Ratio Lower Upper

43 100

58 39.0 33.0 49.4



#52

Toluene

Concen: 22.375 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063998.D

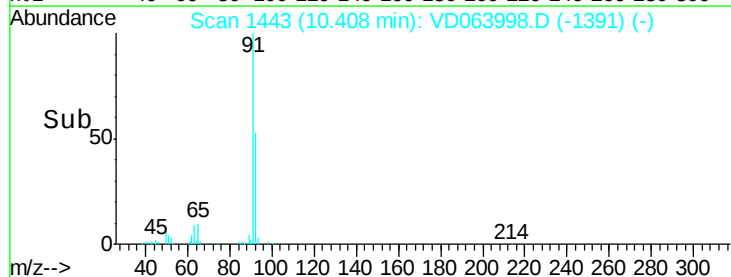
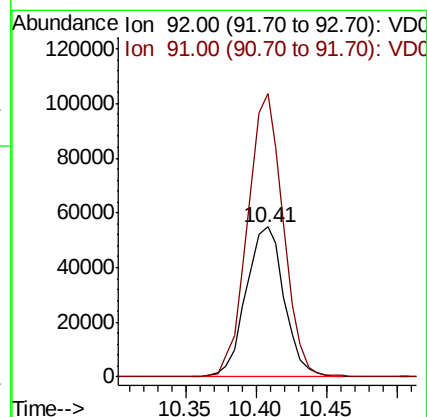
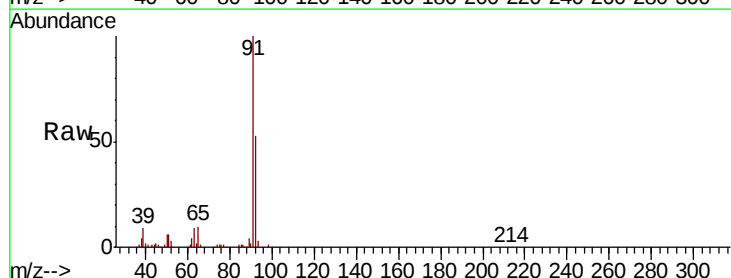
Acq: 17 Oct 2019 11:51

Tgt Ion: 92 Resp: 103624

Ion Ratio Lower Upper

92 100

91 176.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.283 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

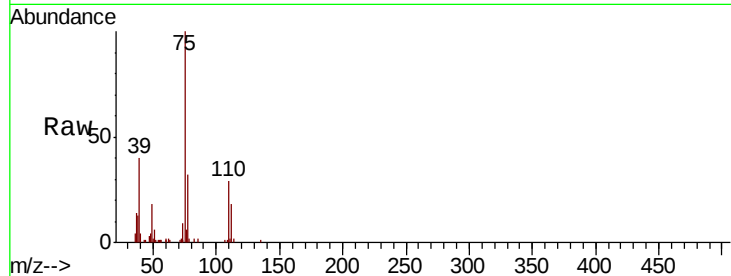
VD1017SBSD01

Tot Ion: 75 Resp: 47923

Ion Ratio Lower Upper

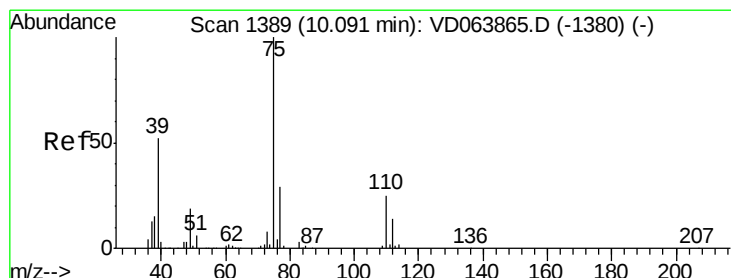
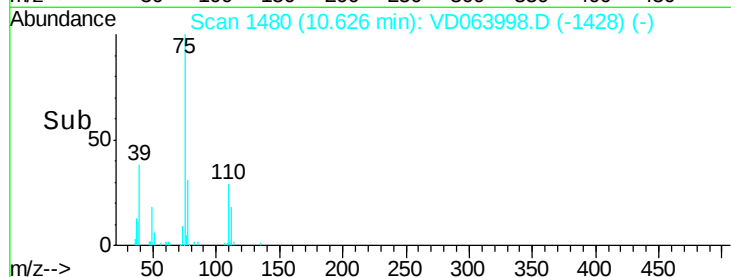
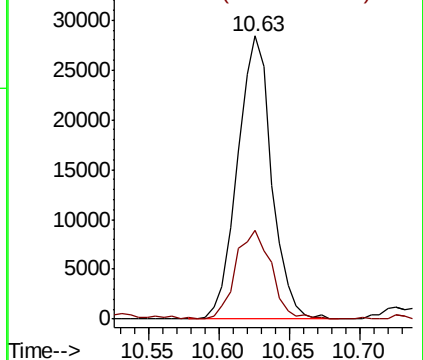
75 100

77 31.6 22.8 34.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.233 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

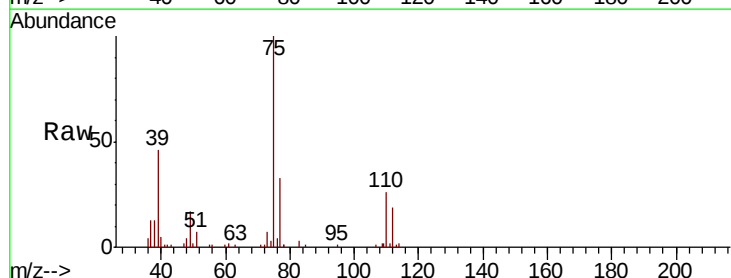
Tgt Ion: 75 Resp: 57748

Ion Ratio Lower Upper

75 100

77 32.9 23.2 34.8

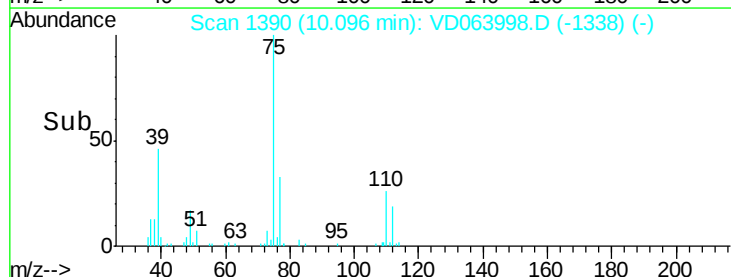
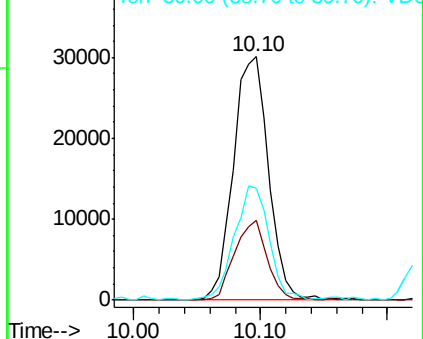
39 46.1 41.5 62.3

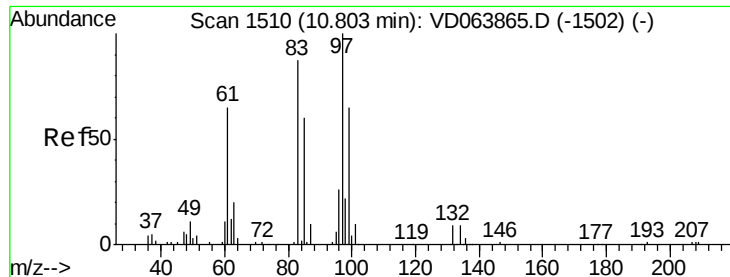


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 22.099 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

Tot Ion: 97 Resp: 29344

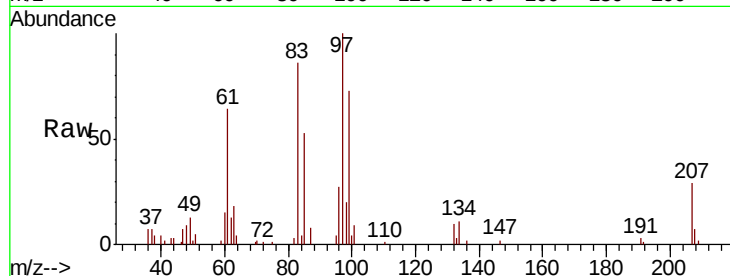
Ion Ratio Lower Upper

97 100

83 85.7 69.7 104.5

85 53.2 48.1 72.1

99 72.9 51.9 77.9

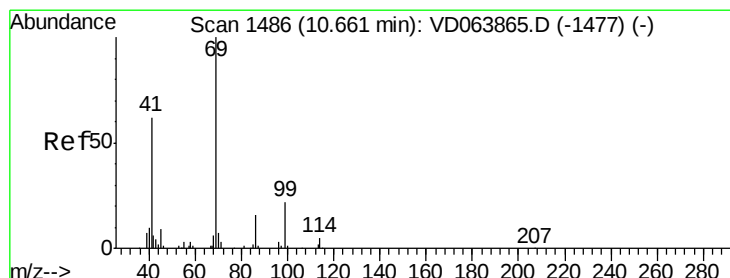
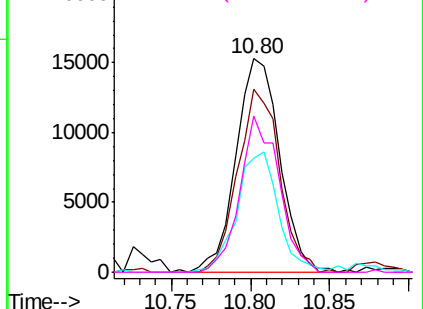
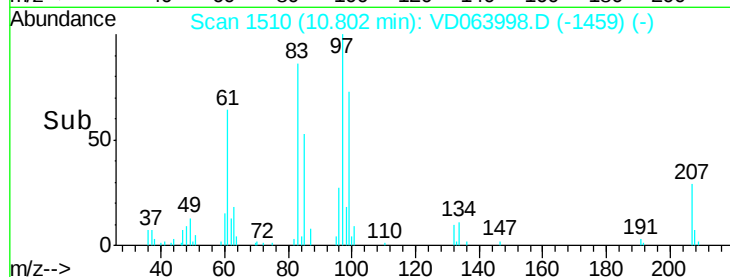


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.031 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

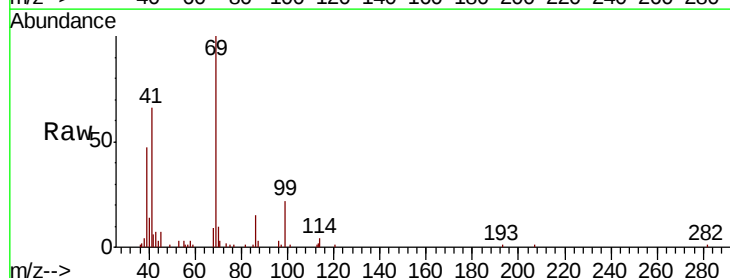
Tgt Ion: 69 Resp: 33682

Ion Ratio Lower Upper

69 100

41 64.7 51.3 76.9

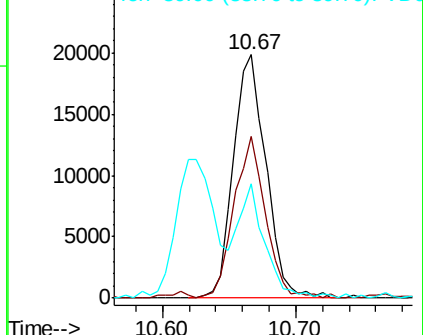
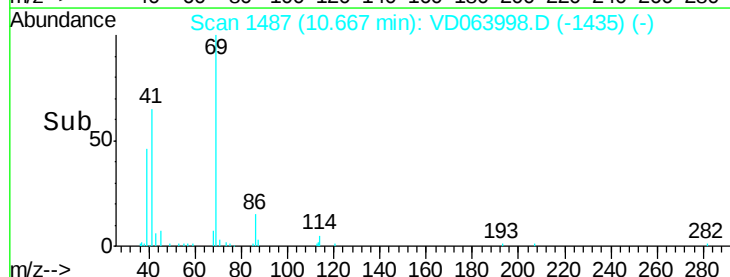
39 39.1 28.0 42.0

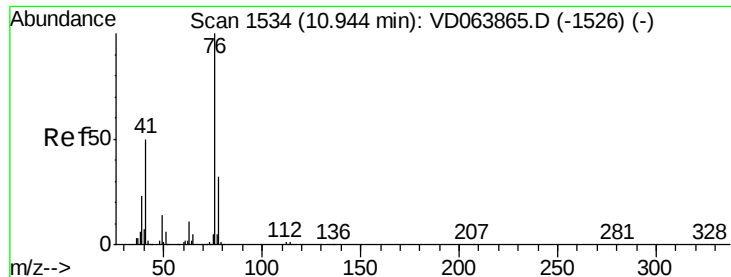


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

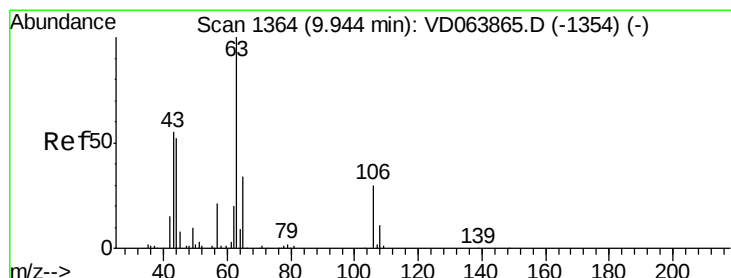
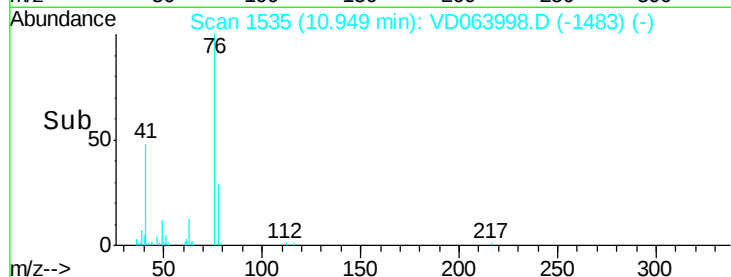
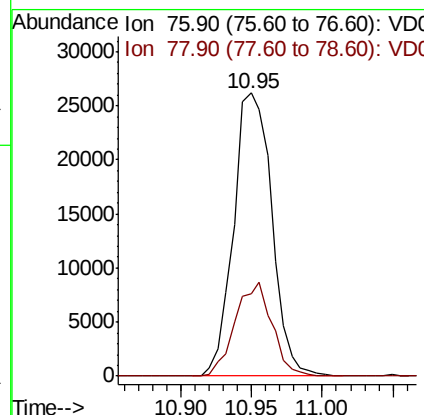
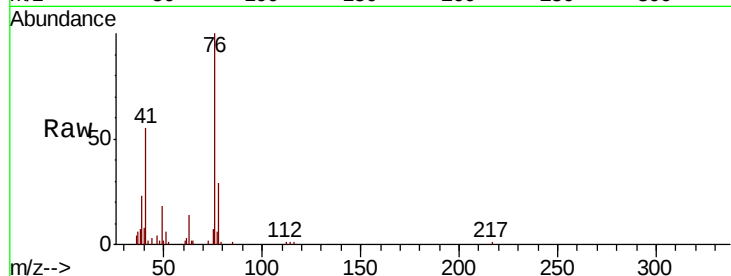




#57
 1,3-Dichloropropane
 Concen: 21.854 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

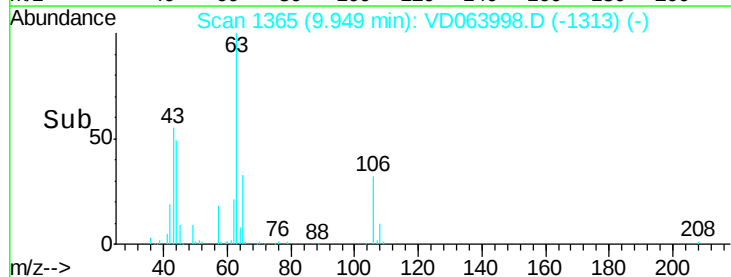
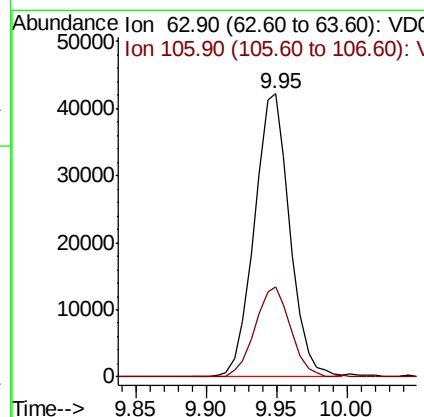
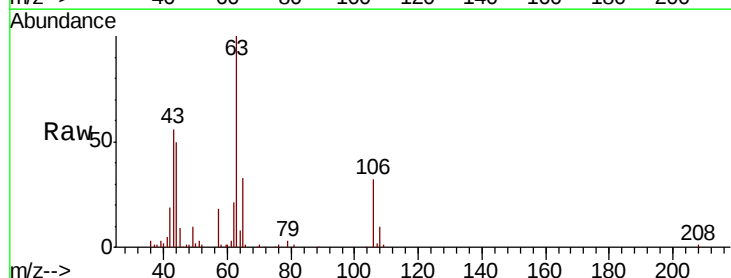
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBSD01

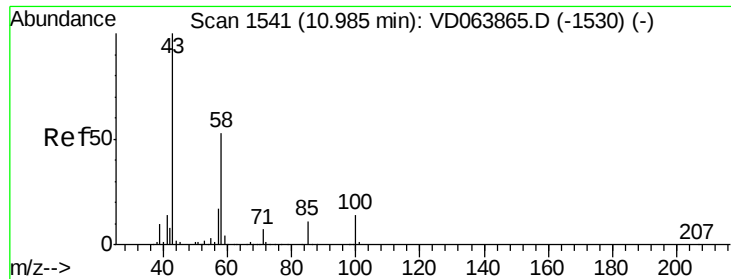
Tot Ion: 76 Resp: 49650
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.961 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Tgt Ion: 63 Resp: 74419
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.3 36.5

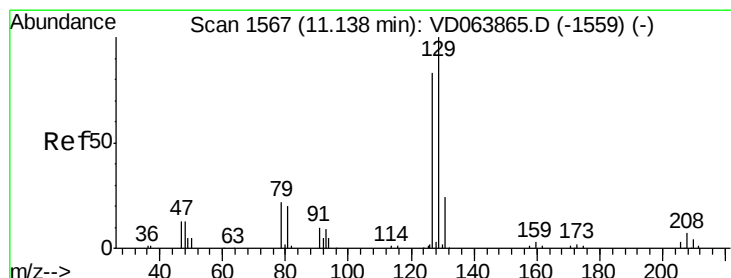
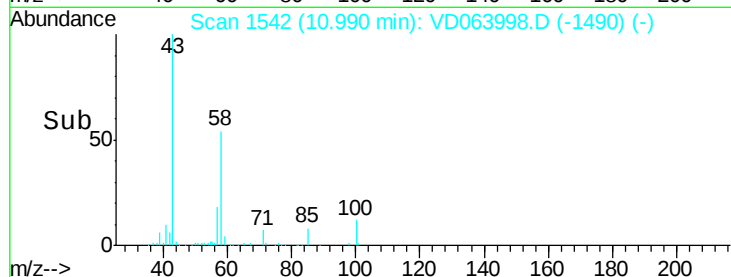
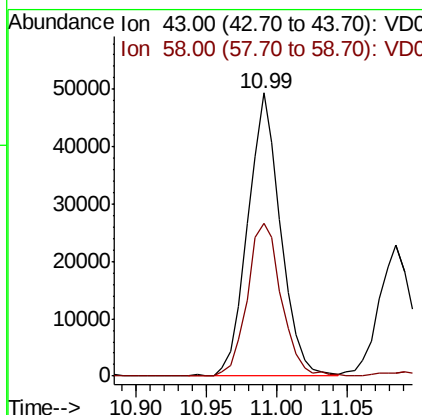
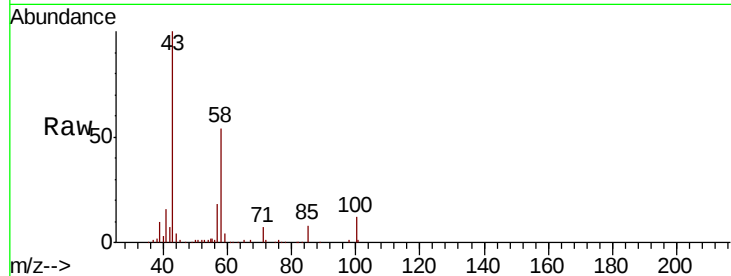




#59
2-Hexanone
Concen: 108.637 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

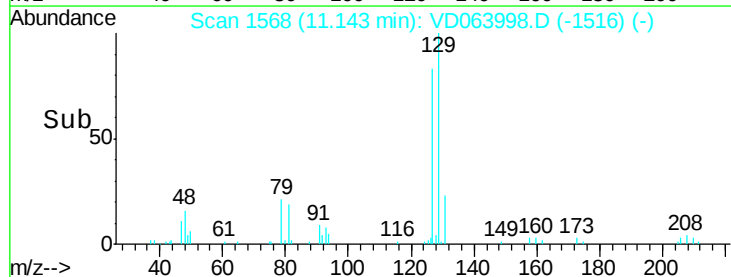
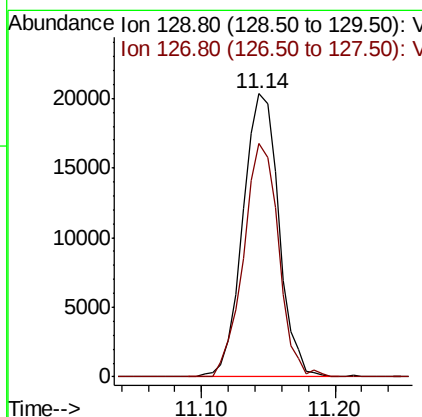
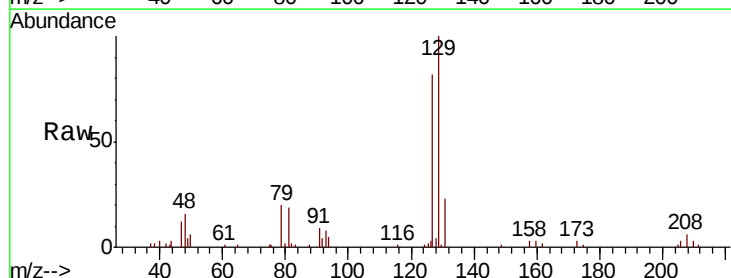
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

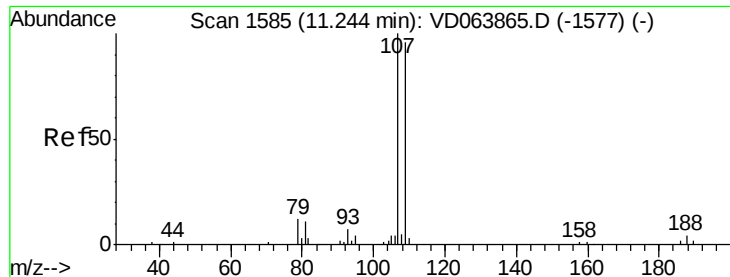
Tot Ion: 43 Resp: 80465
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.0



#60
Dibromochloromethane
Concen: 21.906 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 129 Resp: 37869
Ion Ratio Lower Upper
129 100
127 80.3 39.9 119.6

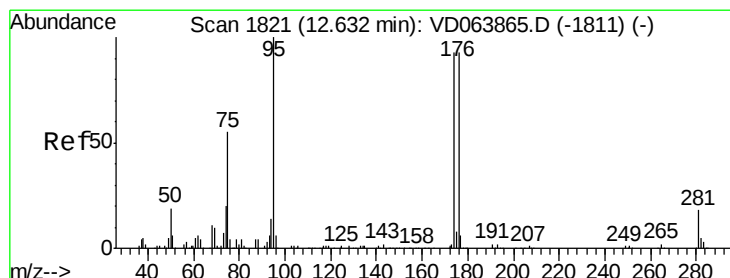
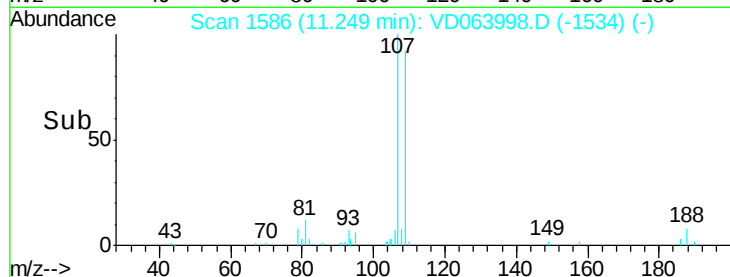
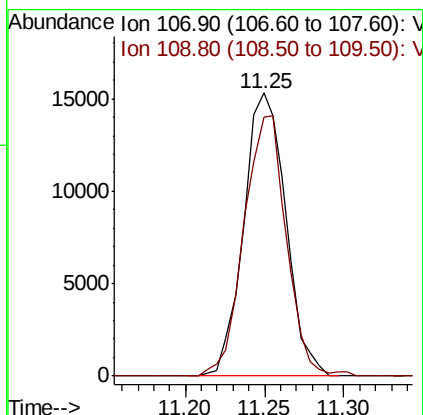
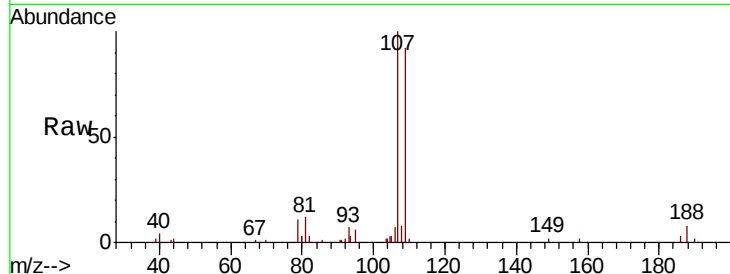




#61
1,2-Dibromoethane
Concen: 21.949 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

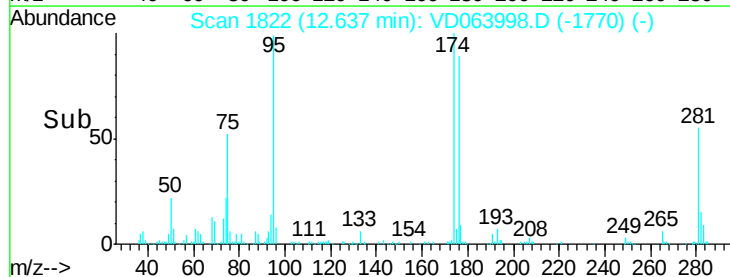
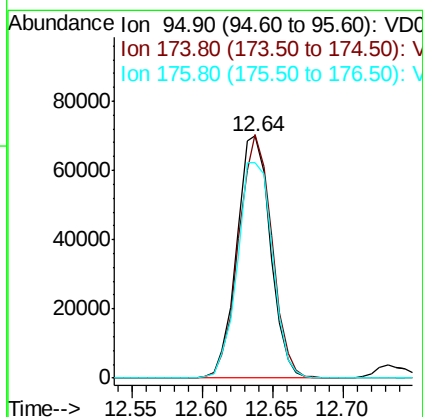
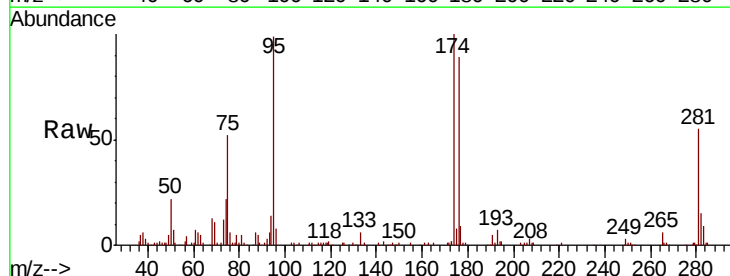
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

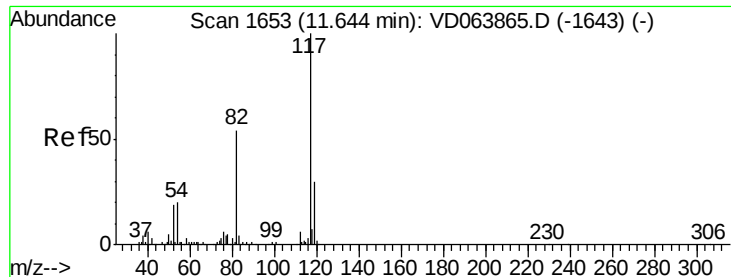
Tot Ion: 107 Resp: 28255
Ion Ratio Lower Upper
107 100
109 92.7 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 52.476 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 95 Resp: 116464
Ion Ratio Lower Upper
95 100
174 99.8 0.0 186.4
176 93.7 0.0 184.2

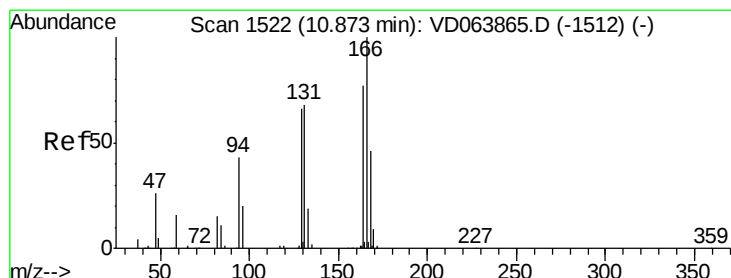
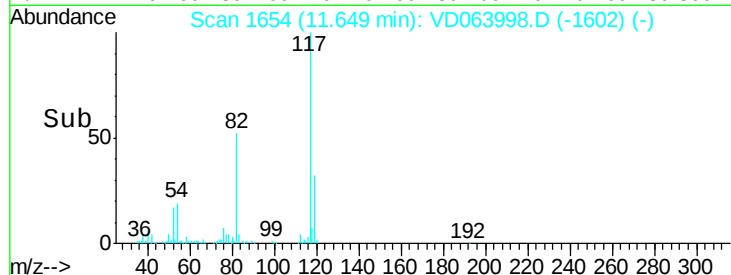
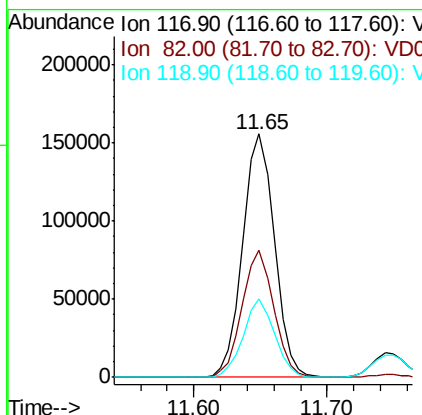
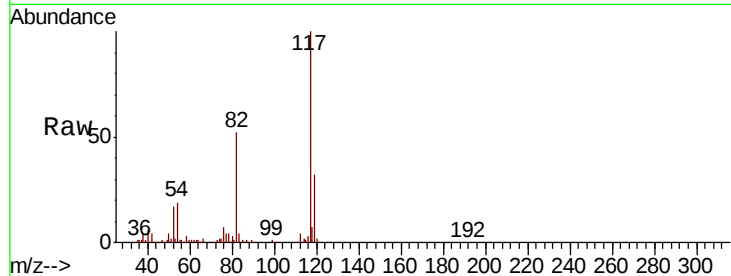




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

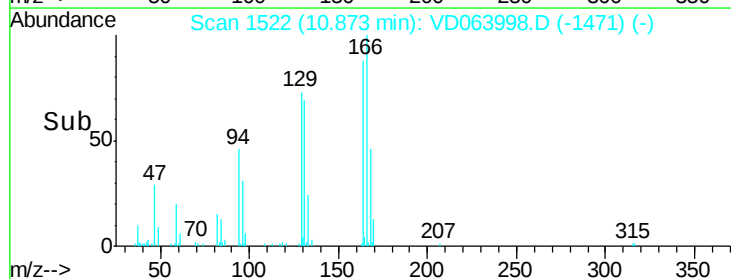
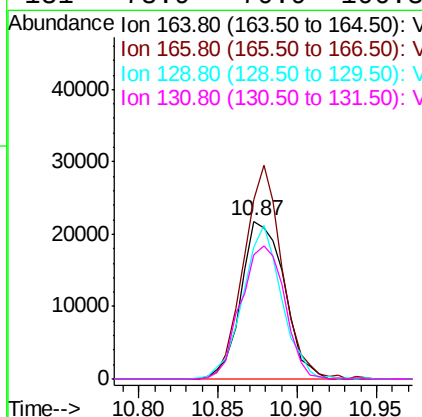
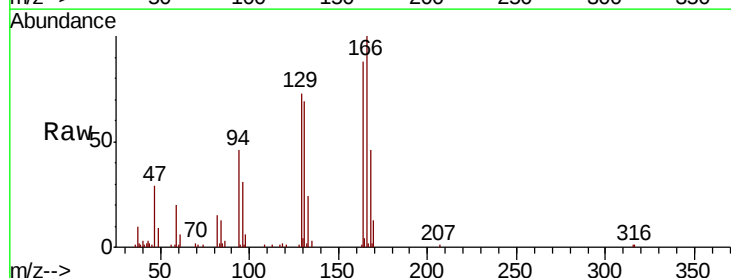
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

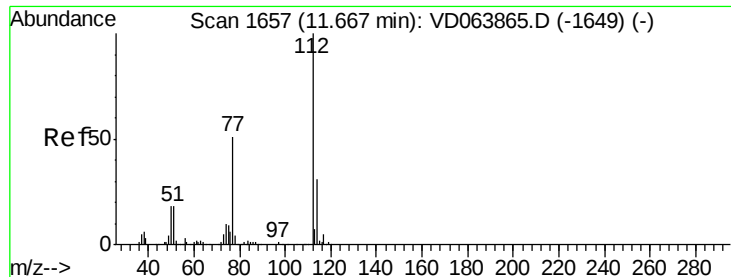
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.8	64.2
119	32.5	24.4	36.6



#64
Tetrachloroethene
Concen: 23.666 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.6	103.8	155.6
129	83.3	68.9	103.3
131	78.9	70.9	106.3





#65

Chlorobenzene

Concen: 22.284 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

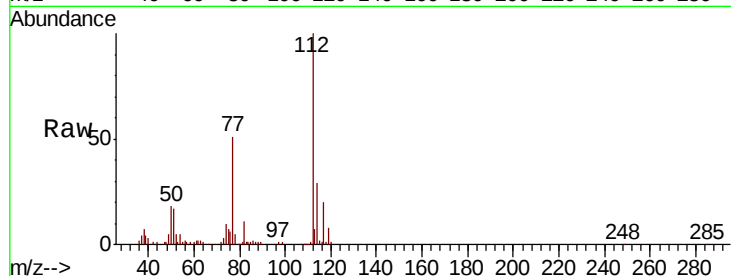
VD1017SBSD01

Tot Ion:112 Resp: 114822

Ion Ratio Lower Upper

112 100

114 29.2 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

80000

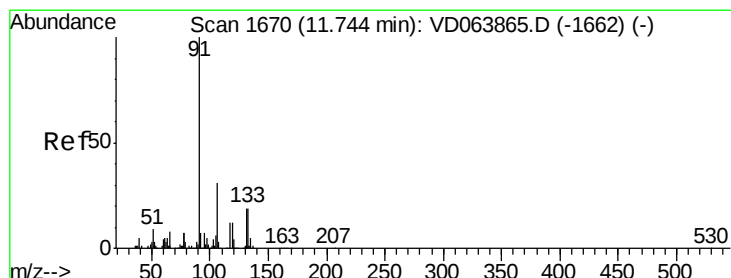
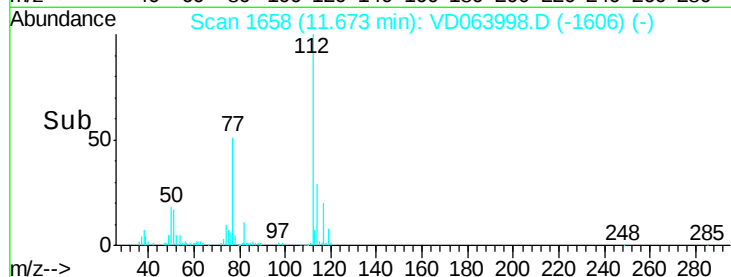
60000

40000

20000

0

Time--> 11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 21.882 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

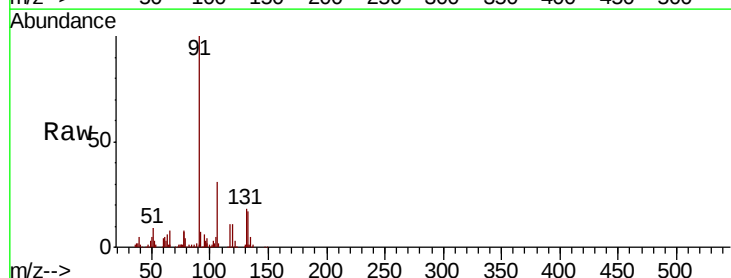
Tgt Ion:131 Resp: 41545

Ion Ratio Lower Upper

131 100

133 90.1 48.9 146.7

119 61.9 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

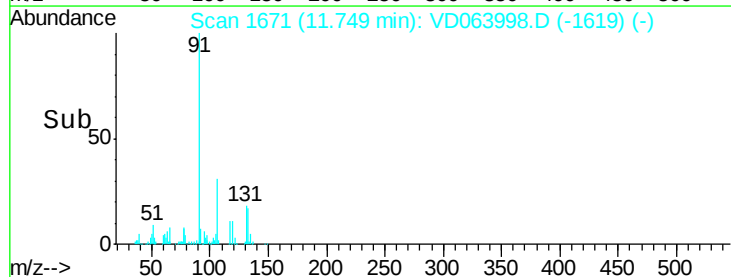
60000

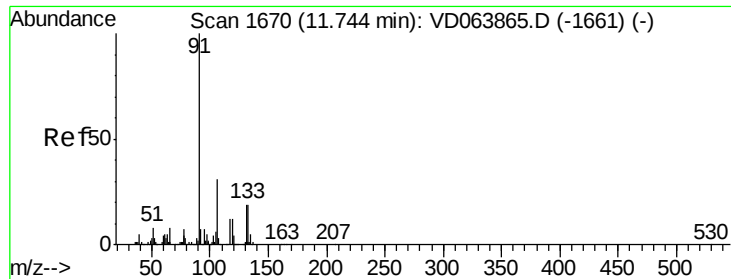
40000

20000

0

Time--> 11.65 11.70 11.75 11.80





#67

Ethyl Benzene

Concen: 22.001 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

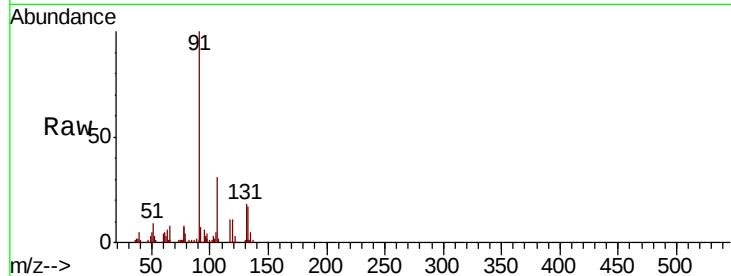
VD1017SBS01

Tot Ion: 91 Resp: 204408

Ion Ratio Lower Upper

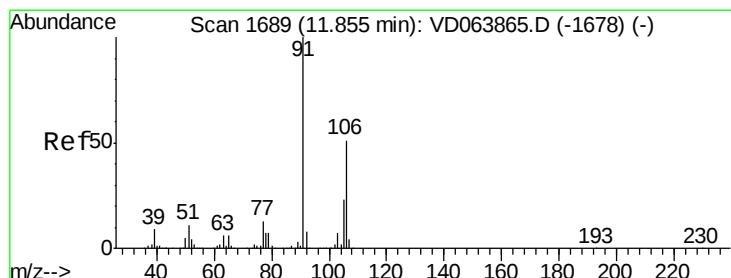
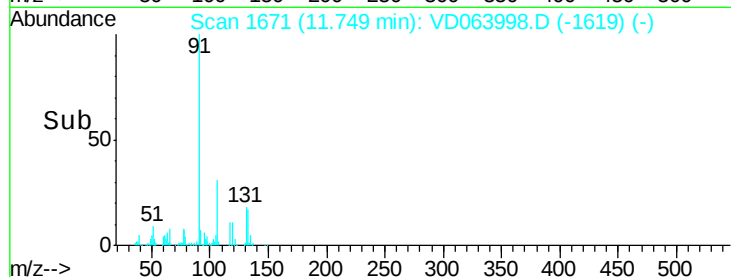
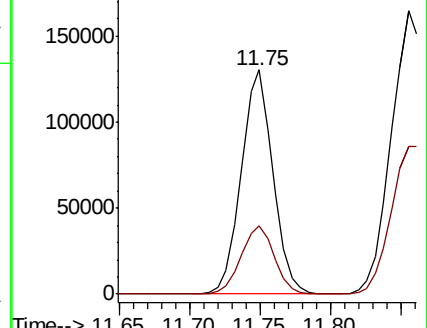
91 100

106 30.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.363 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063998.D

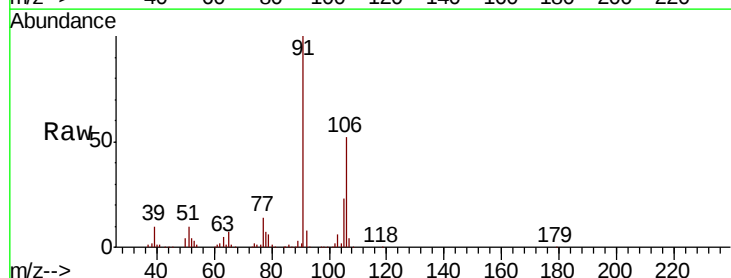
Acq: 17 Oct 2019 11:51

Tgt Ion: 106 Resp: 166265

Ion Ratio Lower Upper

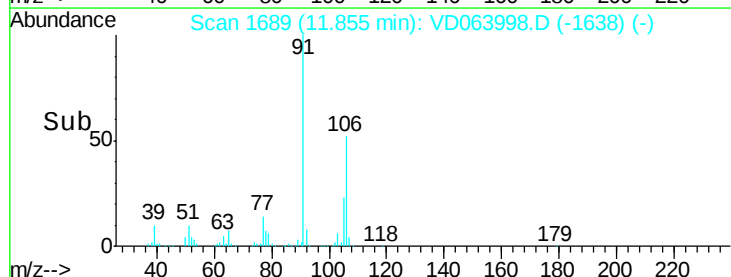
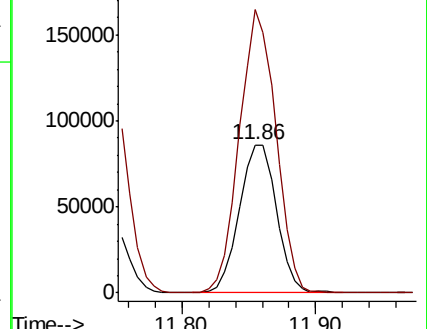
106 100

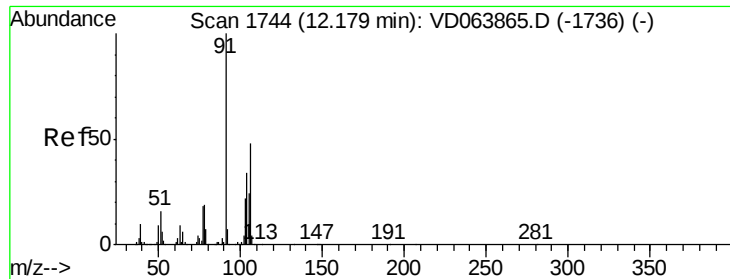
91 187.8 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

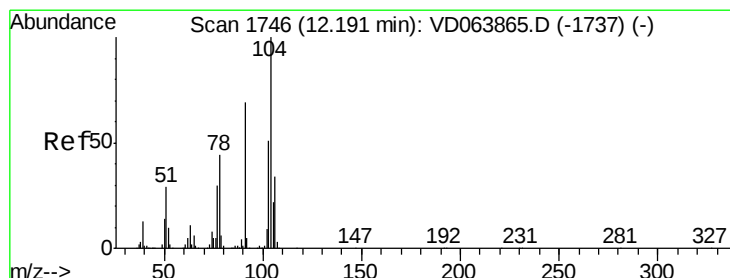
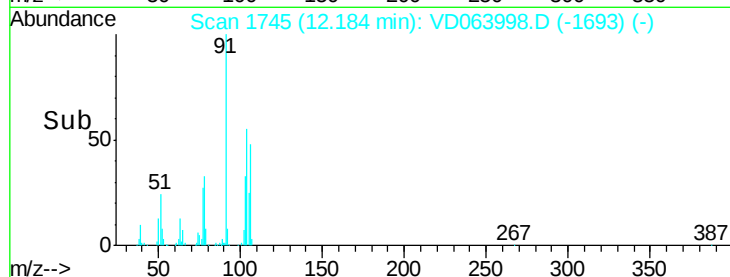
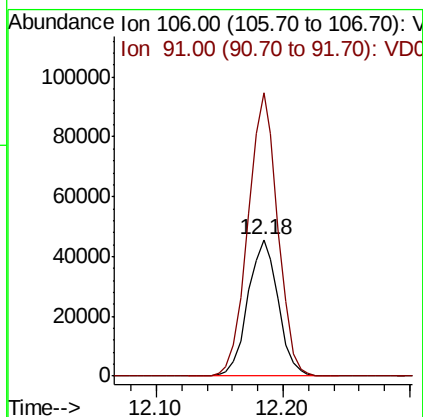
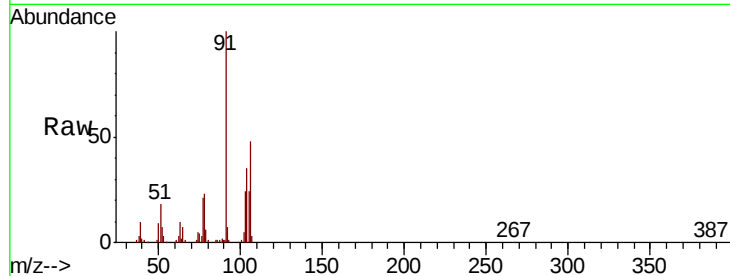




#69
o-Xylene
Concen: 22.040 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

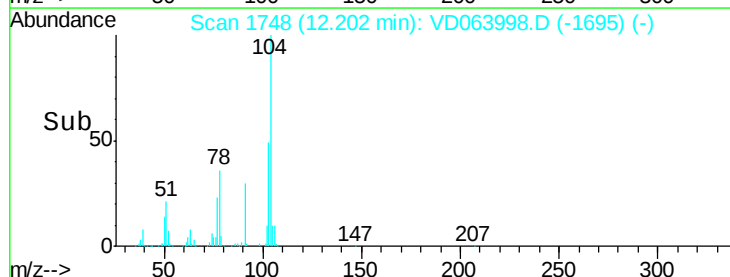
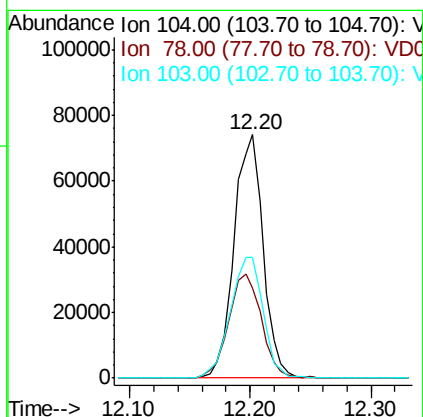
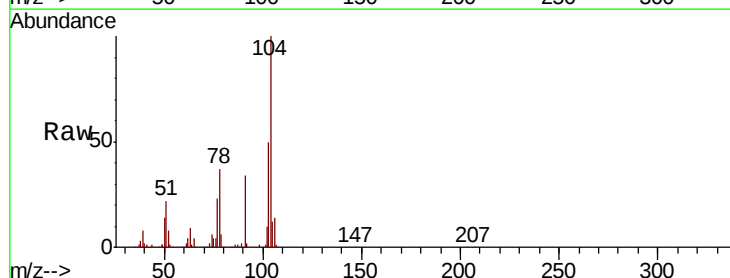
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

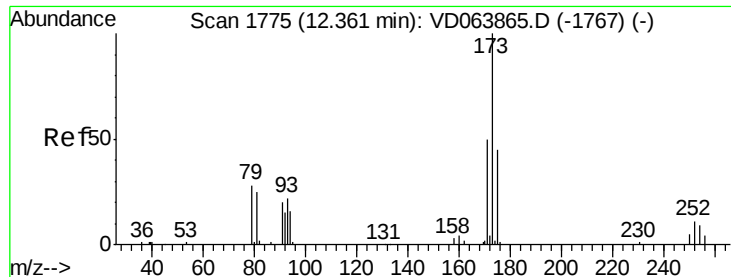
Tot Ion:106 Resp: 75682
Ion Ratio Lower Upper
106 100
91 204.3 103.9 311.7



#70
Styrene
Concen: 21.478 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion:104 Resp: 124851
Ion Ratio Lower Upper
104 100
78 48.0 37.0 55.4
103 56.1 44.2 66.4





#71

Bromoform

Concen: 20.746 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

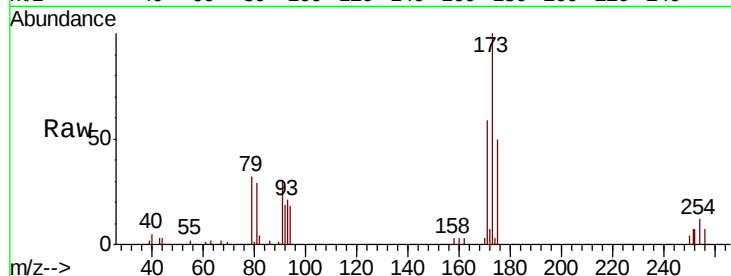
Tot Ion:173 Resp: 21139

Ion Ratio Lower Upper

173 100

175 52.8 24.6 74.0

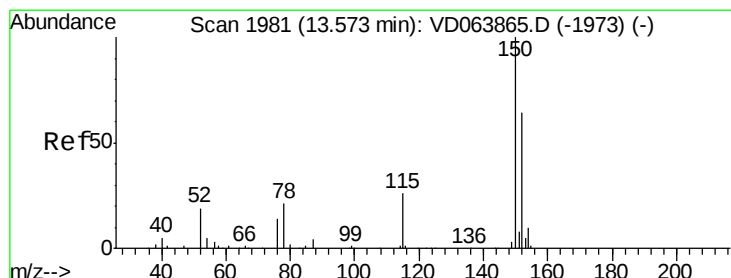
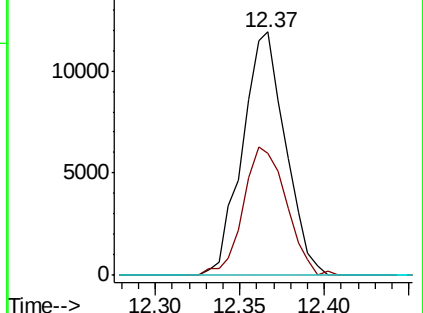
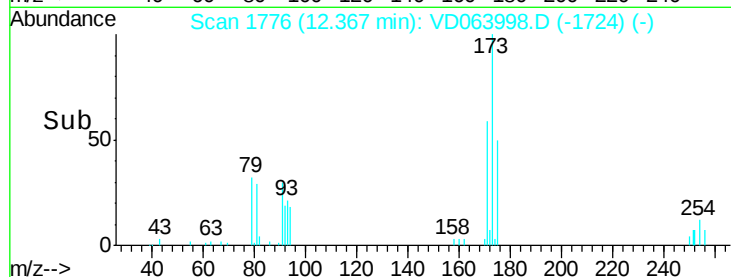
254 0.0 0.0 0.0



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: VD063998.D

Acq: 17 Oct 2019 11:51

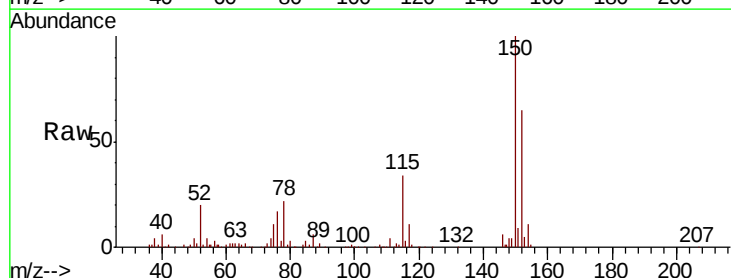
Tgt Ion:152 Resp: 138904

Ion Ratio Lower Upper

152 100

115 54.3 25.9 77.7

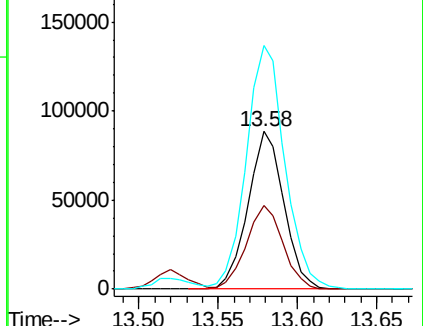
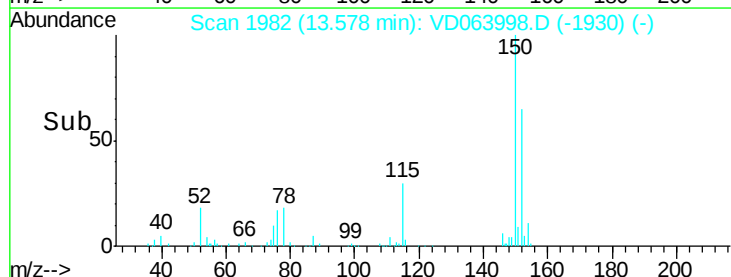
150 166.2 0.0 344.2

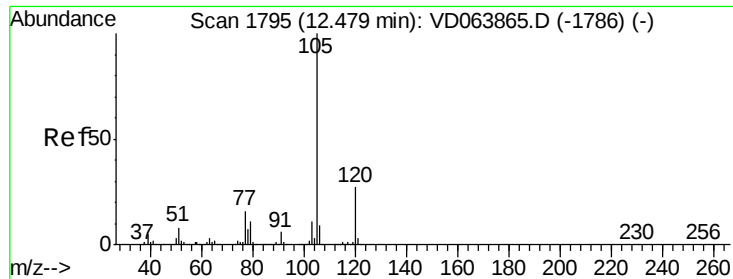


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.823 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

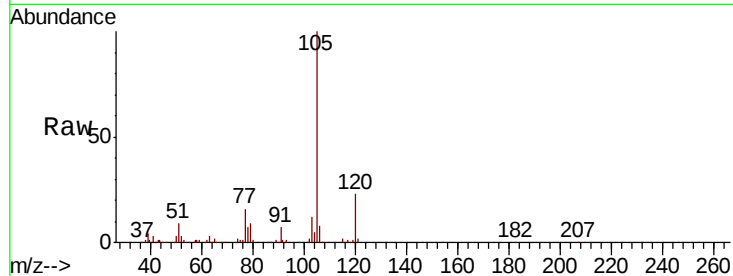
VD1017SBSD01

Tot Ion:105 Resp: 203781

Ion Ratio Lower Upper

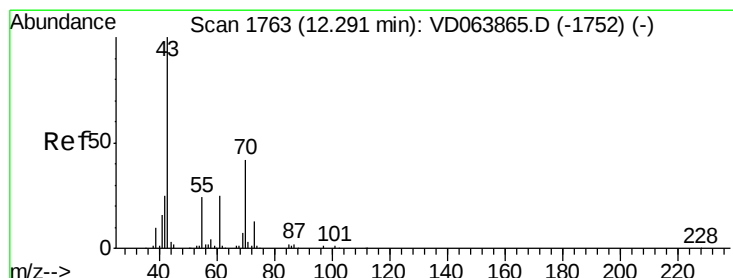
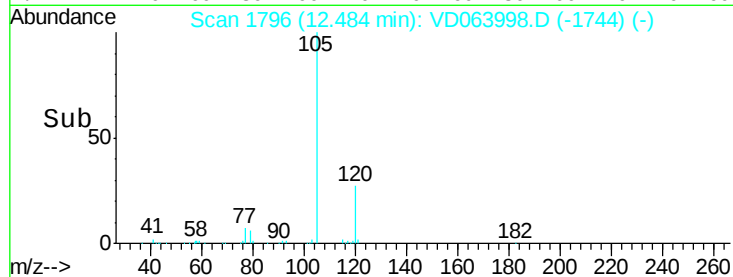
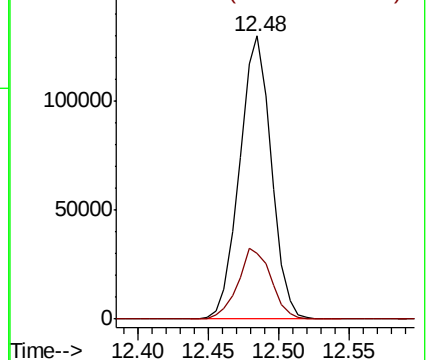
105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.630 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Tgt Ion: 43 Resp: 39465

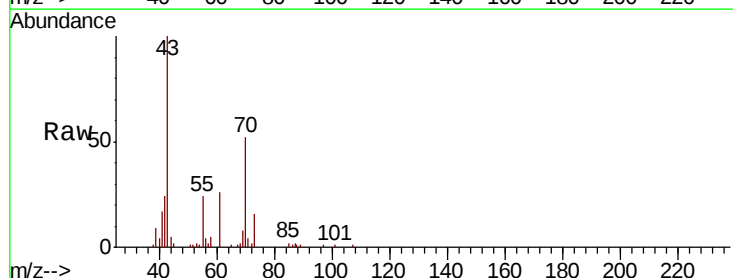
Ion Ratio Lower Upper

43 100

70 47.2 35.8 53.6

55 26.2 19.4 29.0

61 25.6 20.4 30.6

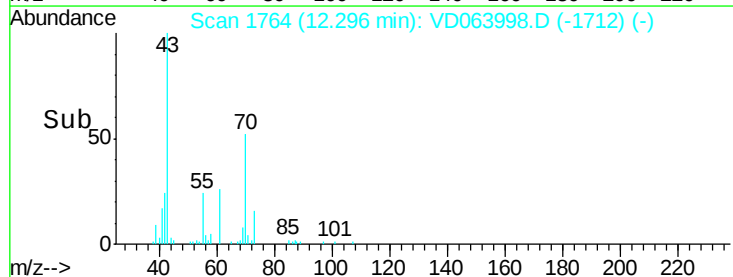
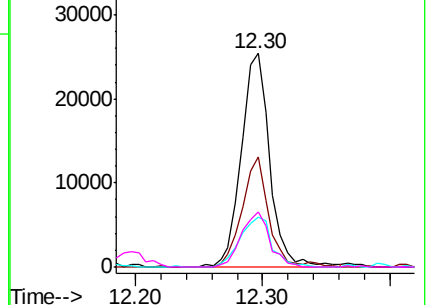


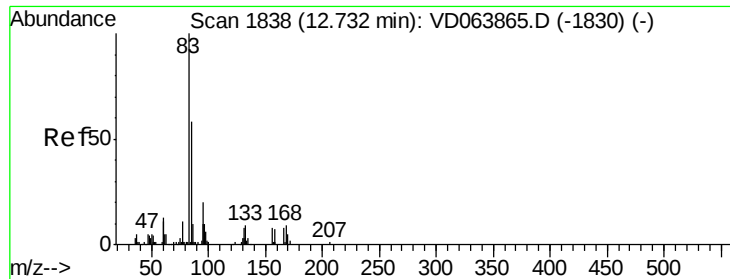
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.188 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

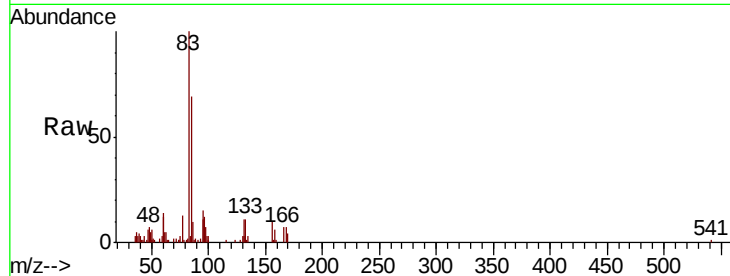
Tot Ion: 83 Resp: 34429

Ion Ratio Lower Upper

83 100

131 12.2 5.6 16.8

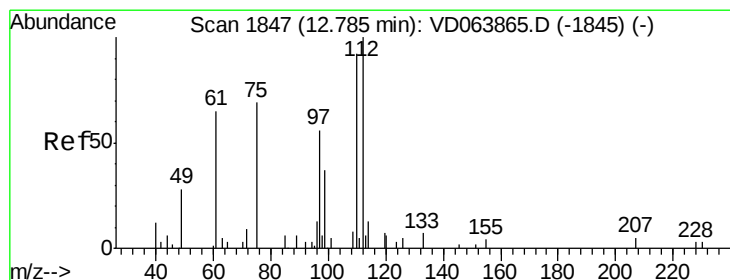
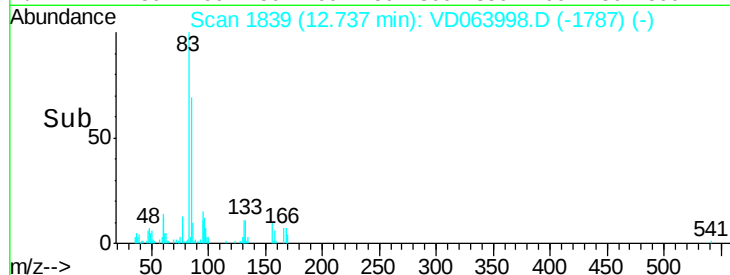
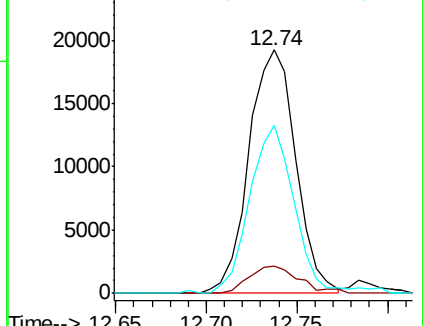
85 65.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 22.298 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063998.D

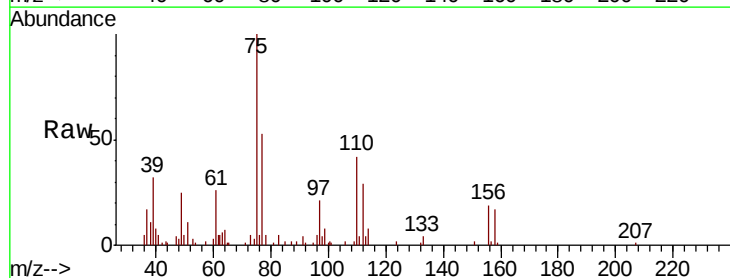
Acq: 17 Oct 2019 11:51

Tgt Ion: 75 Resp: 20745

Ion Ratio Lower Upper

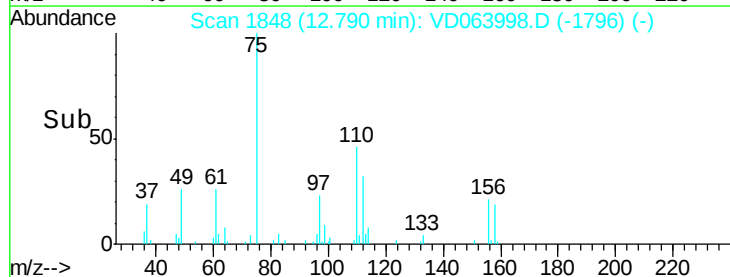
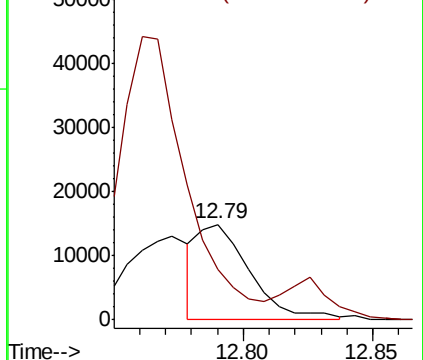
75 100

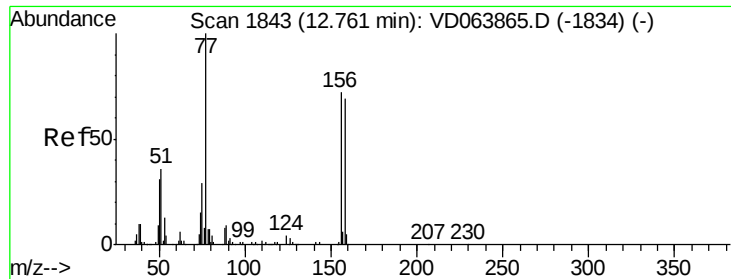
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.390 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

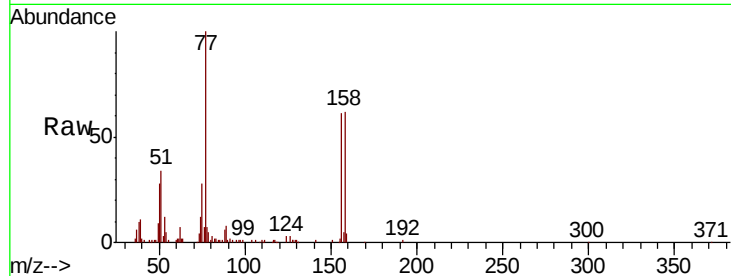
Tot Ion:156 Resp: 49763

Ion Ratio Lower Upper

156 100

77 165.4 80.3 241.0

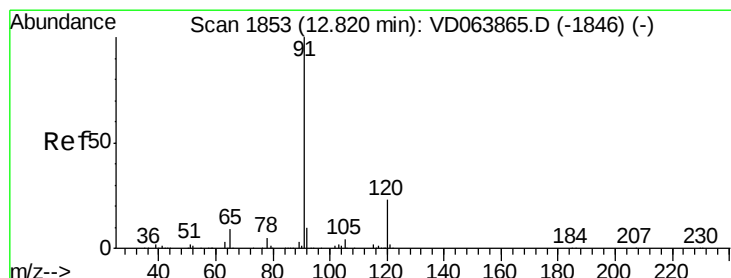
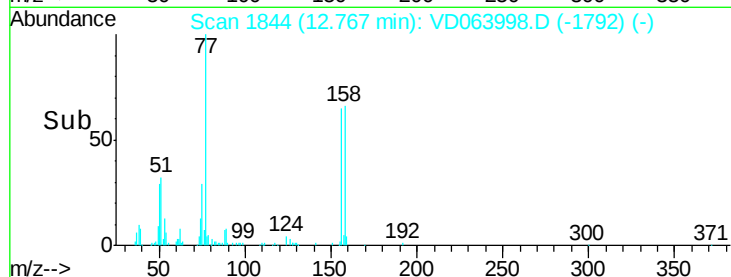
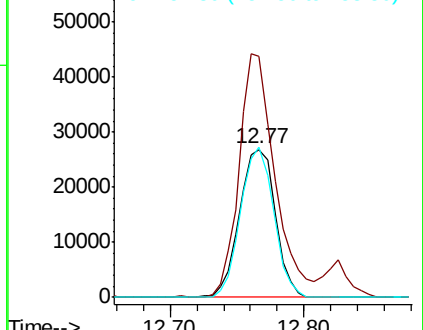
158 93.8 47.4 142.2



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: 22.500 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD063998.D

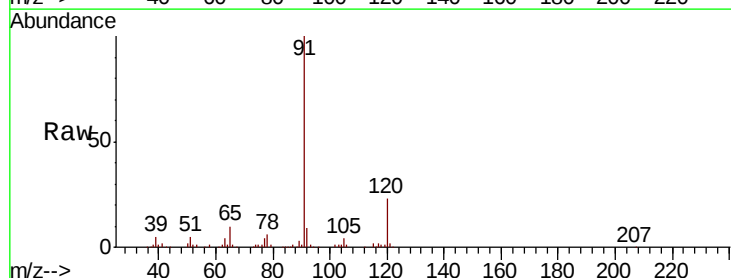
Acq: 17 Oct 2019 11:51

Tgt Ion: 91 Resp: 246617

Ion Ratio Lower Upper

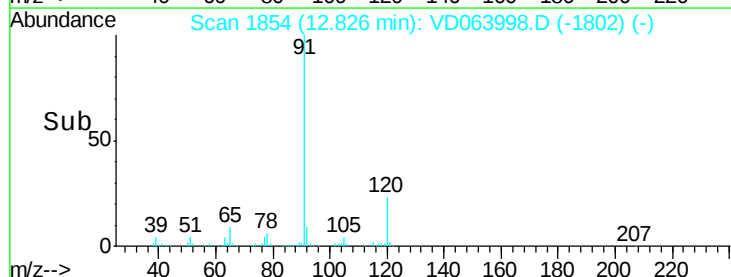
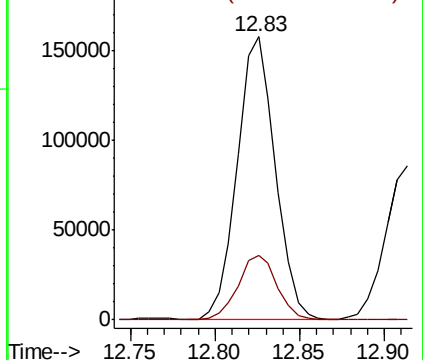
91 100

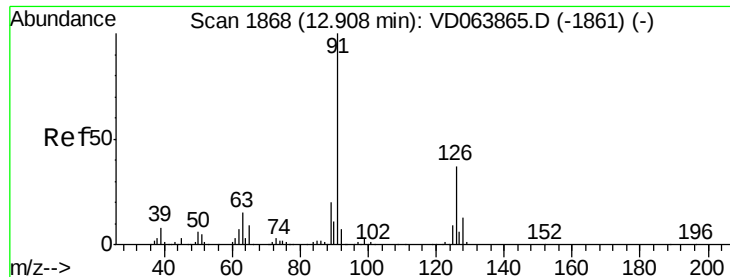
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.116 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

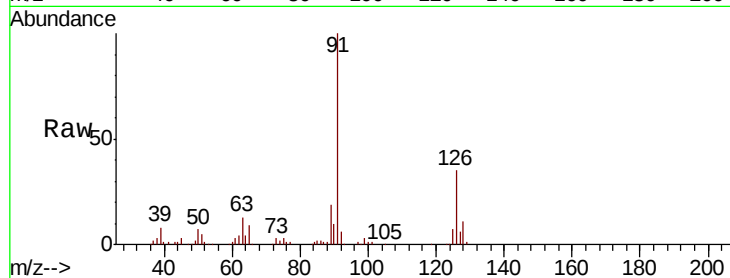
VD1017SBS01

Tot Ion: 91 Resp: 133660

Ion Ratio Lower Upper

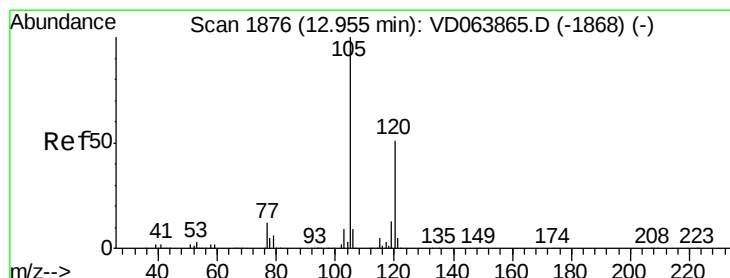
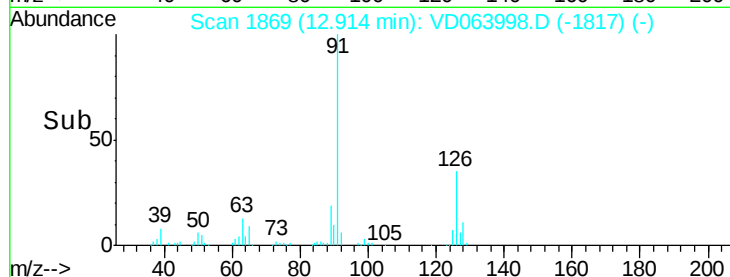
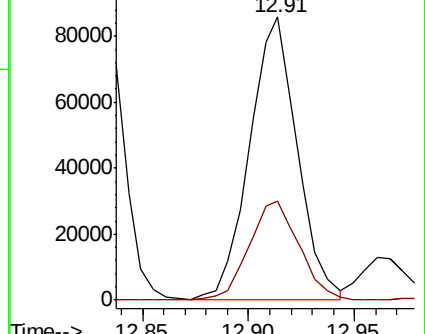
91 100

126 37.1 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD063865.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.976 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063998.D

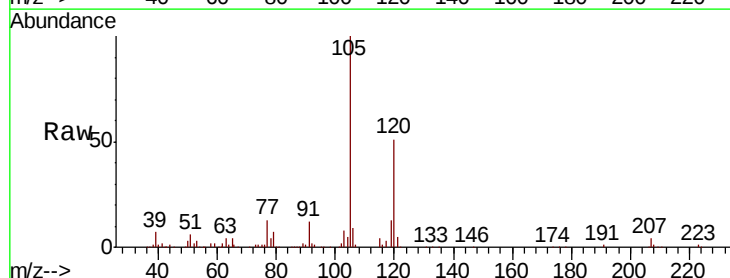
Acq: 17 Oct 2019 11:51

Tgt Ion:105 Resp: 171200

Ion Ratio Lower Upper

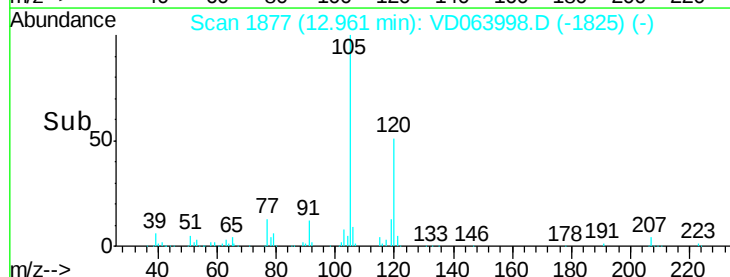
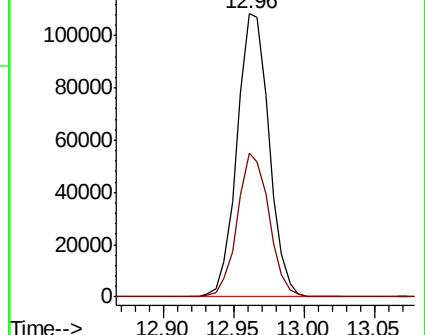
105 100

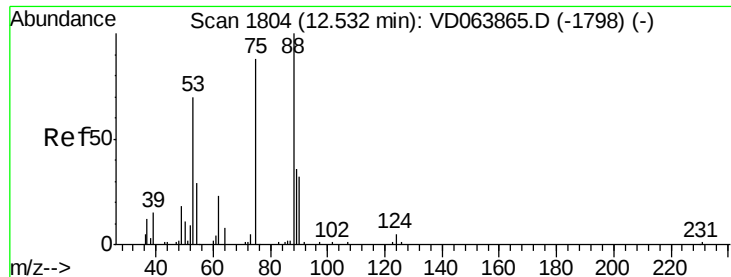
120 50.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063865.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD063865.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.164 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBS01

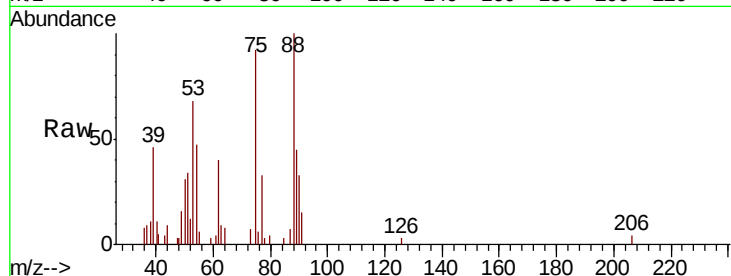
Tot Ion: 75 Resp: 10075

Ion Ratio Lower Upper

75 100

53 96.7 75.0 112.6

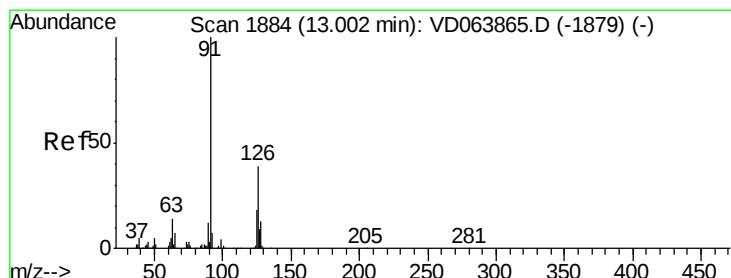
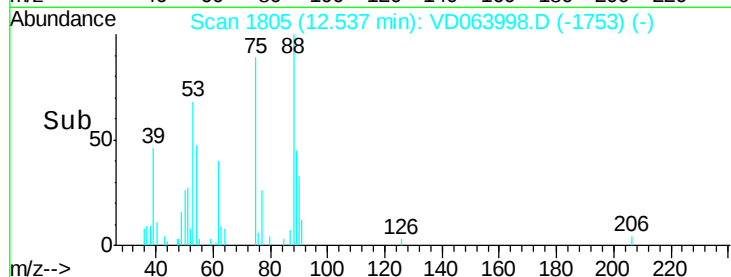
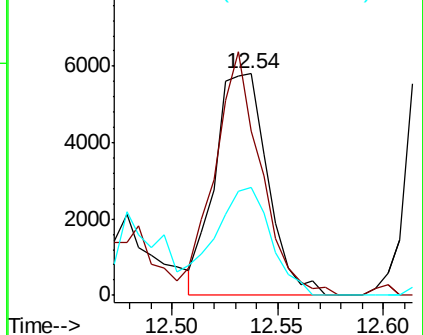
89 50.5 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.601 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063998.D

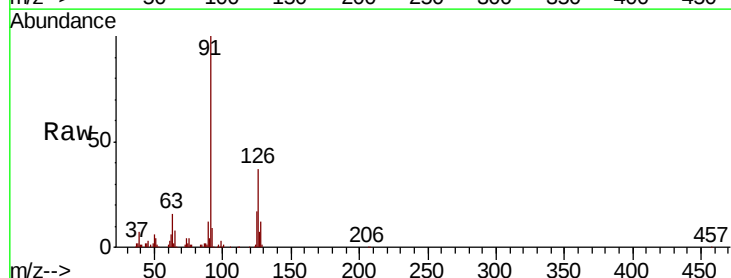
Acq: 17 Oct 2019 11:51

Tgt Ion: 91 Resp: 138488

Ion Ratio Lower Upper

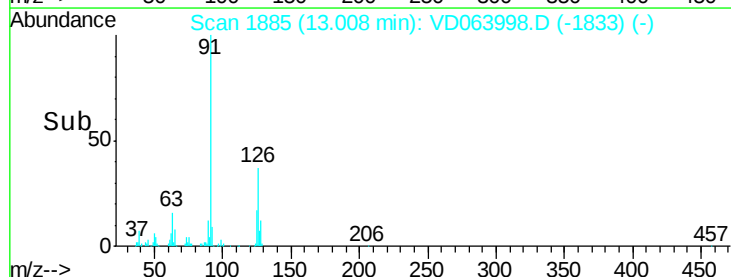
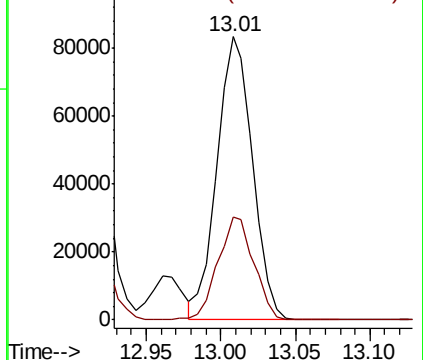
91 100

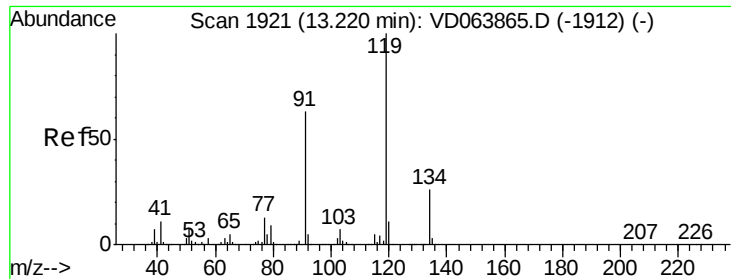
126 37.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

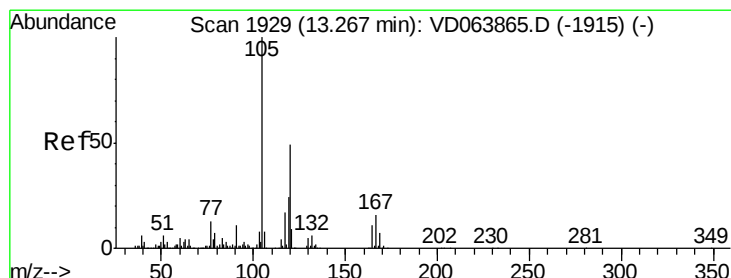
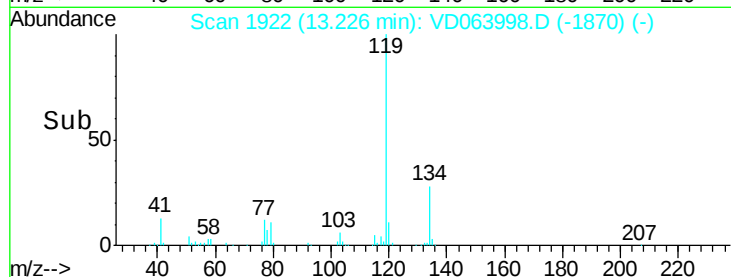
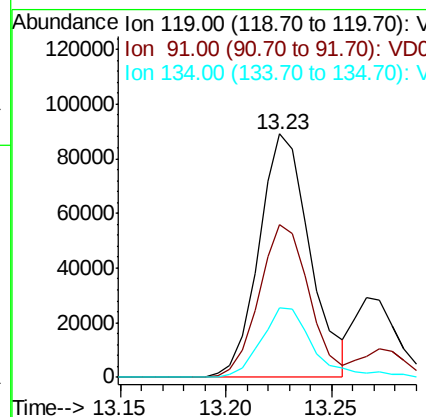
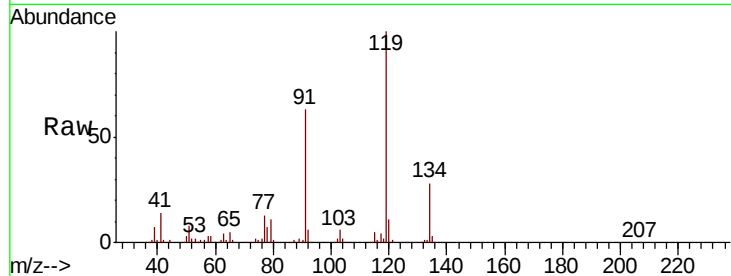




#83
tert-Butylbenzene
Concen: 21.554 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

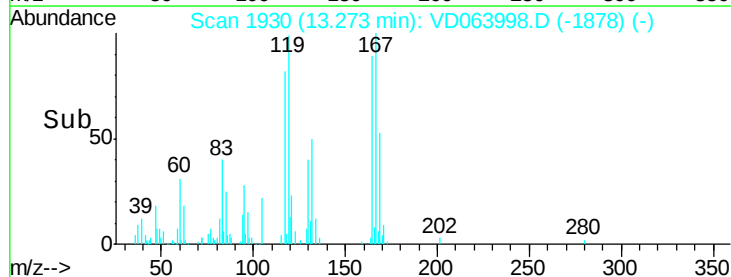
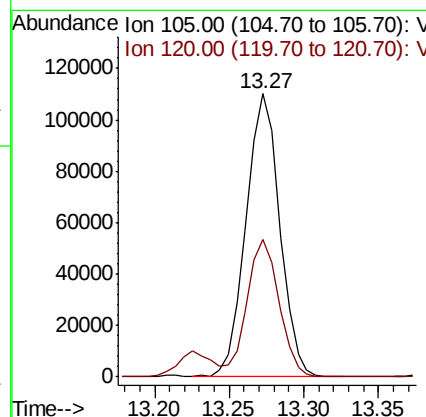
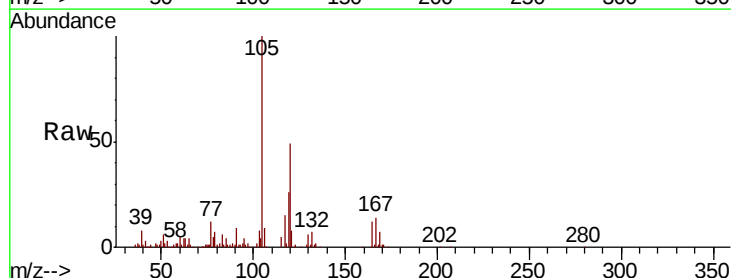
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

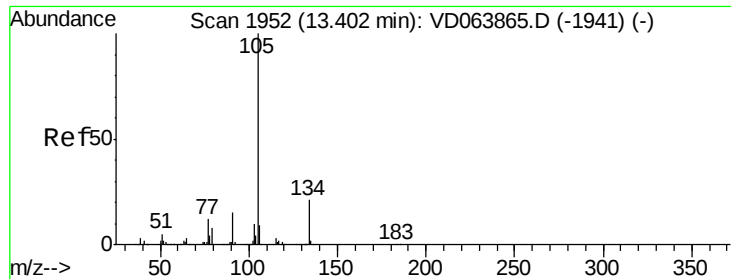
Tot Ion:119 Resp: 149439
Ion Ratio Lower Upper
119 100
91 61.2 30.0 90.0
134 29.5 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 21.512 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion:105 Resp: 172769
Ion Ratio Lower Upper
105 100
120 46.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 22.285 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

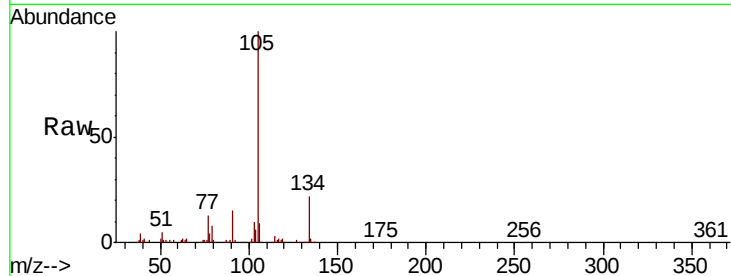
VD1017SBSD01

Tot Ion:105 Resp: 208657

Ion Ratio Lower Upper

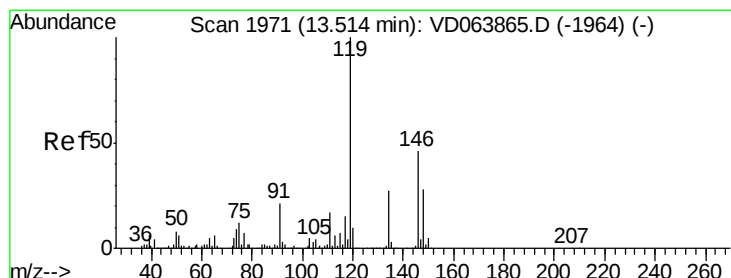
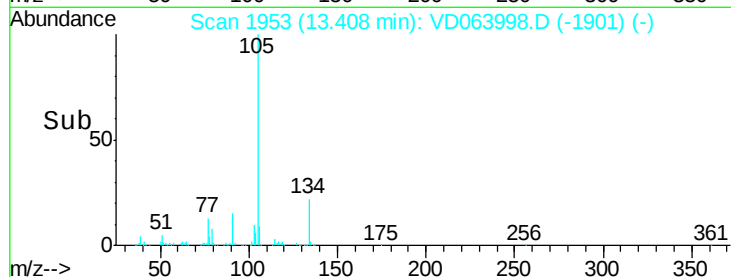
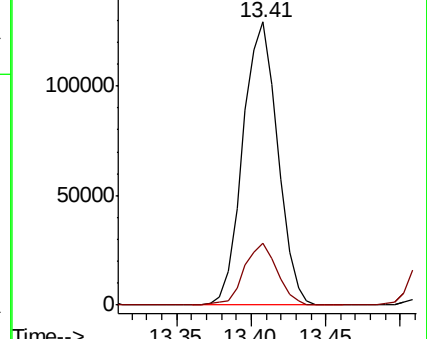
105 100

134 21.0 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: 21.925 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

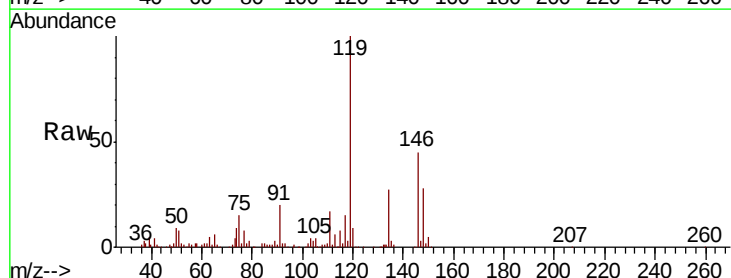
Tgt Ion:119 Resp: 194251

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

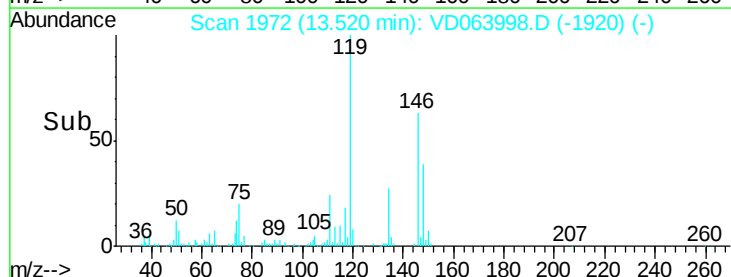
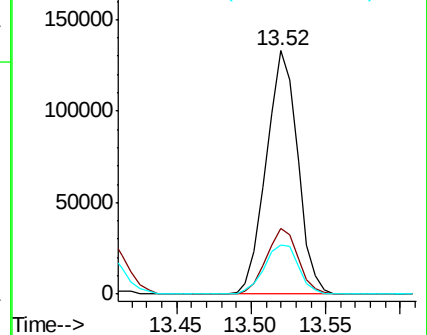
91 22.0 11.2 33.5

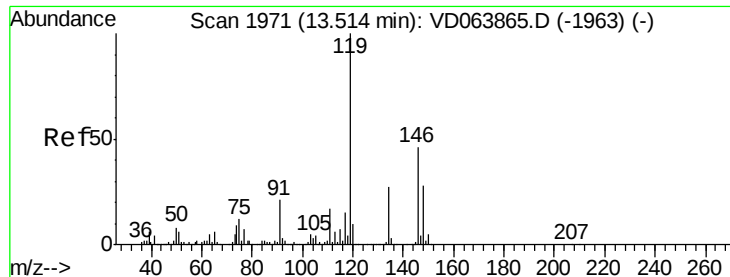


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

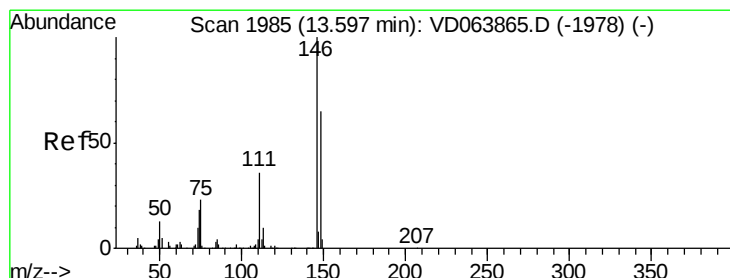
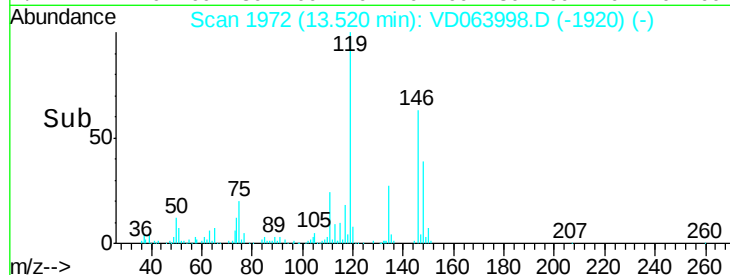
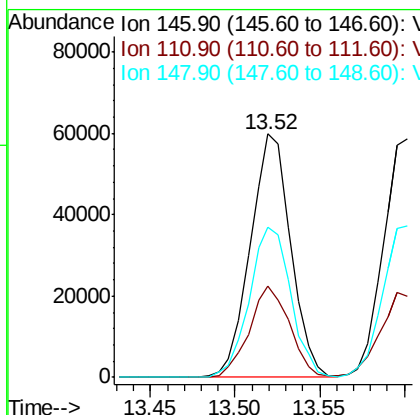
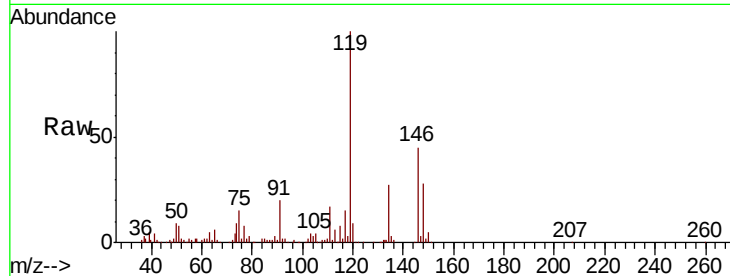




#87
 1,3-Dichlorobenzene
 Concen: 21.606 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

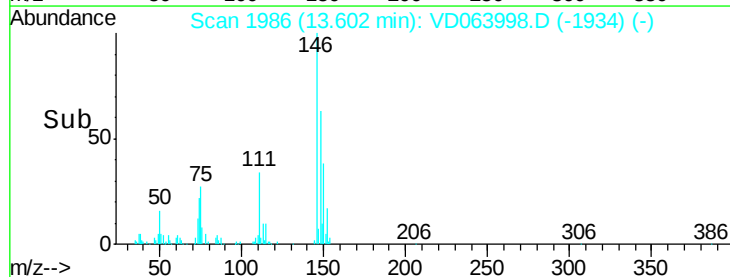
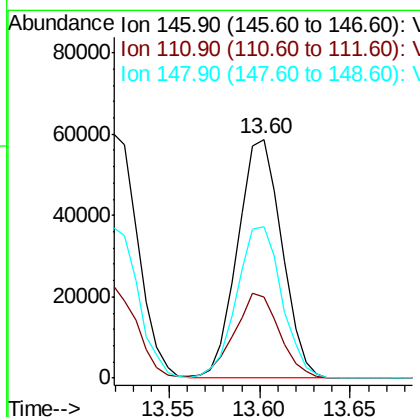
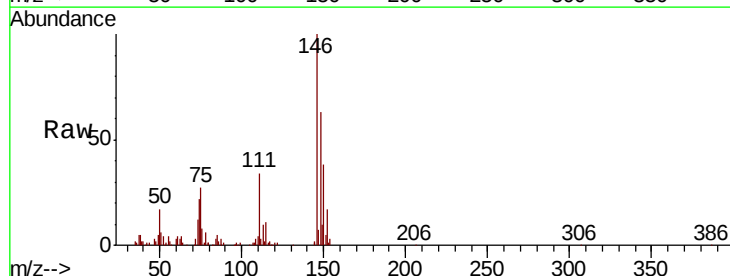
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBSD01

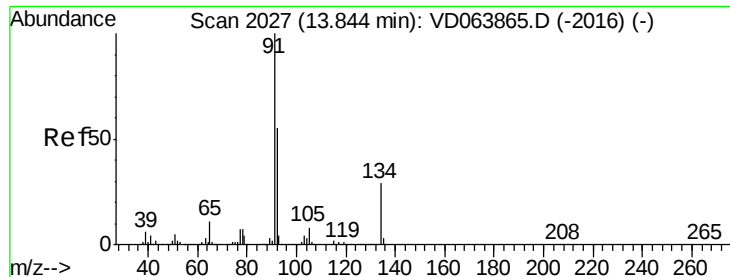
Tot Ion:146 Resp: 99318
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.3 54.9
 148 62.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.997 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Tgt Ion:146 Resp: 99757
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 56.0
 148 64.7 32.6 98.0

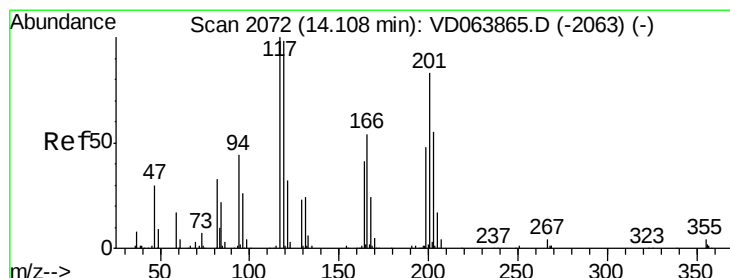
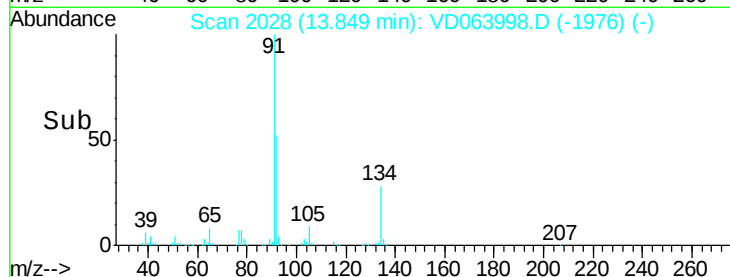
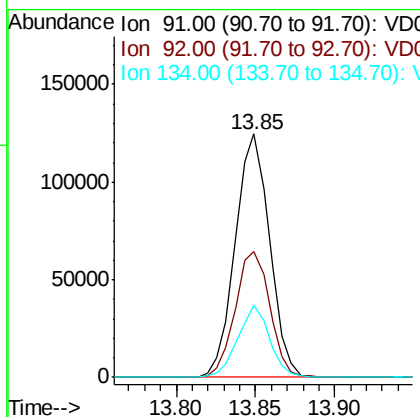
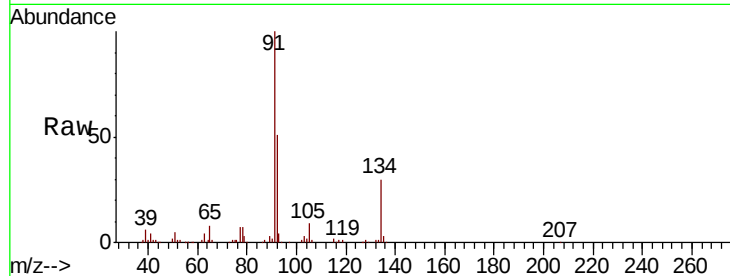




#89
n-Butylbenzene
Concen: 22.765 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

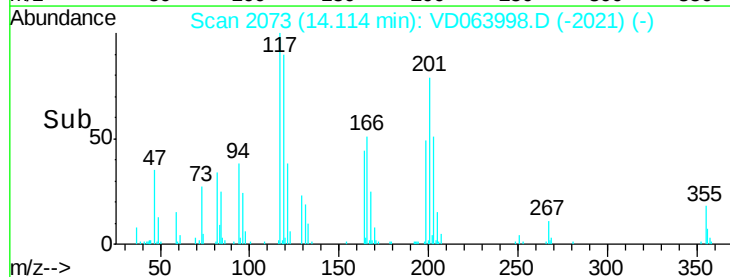
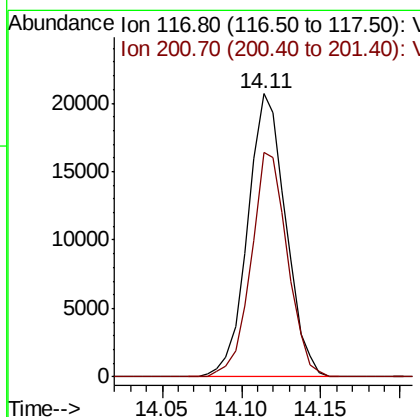
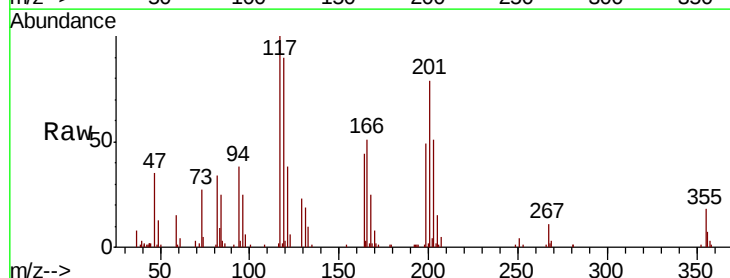
Instrument :
MSVOA_D
ClientSampleId :
VD1017SBSD01

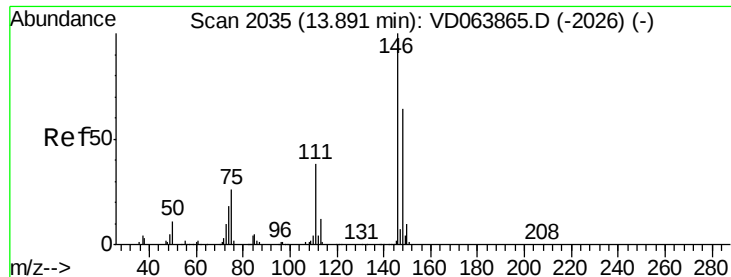
Tot Ion: 91 Resp: 187747
Ion Ratio Lower Upper
91 100
92 52.0 26.8 80.3
134 27.3 14.4 43.0



#90
Hexachloroethane
Concen: 21.698 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063998.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 117 Resp: 34576
Ion Ratio Lower Upper
117 100
201 75.4 40.6 121.7

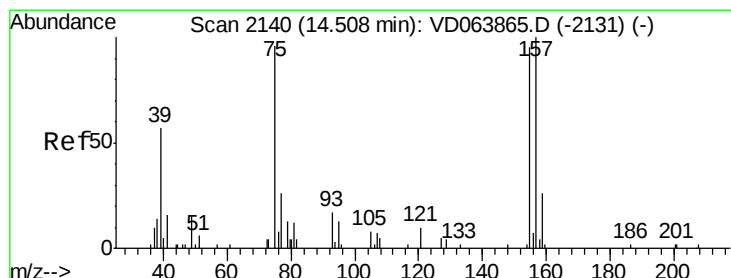
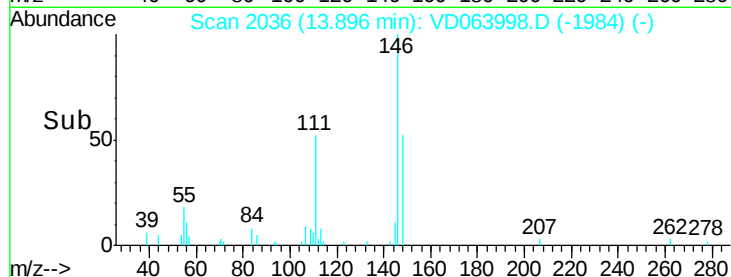
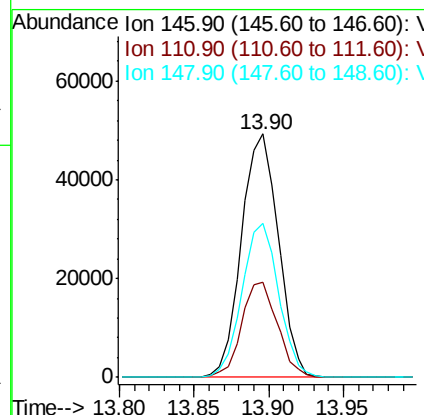
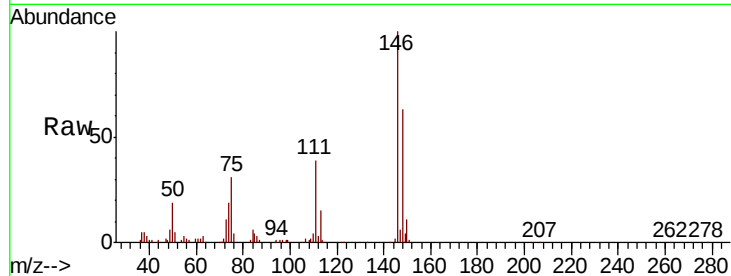




#91
 1,2-Dichlorobenzene
 Concen: 21.346 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

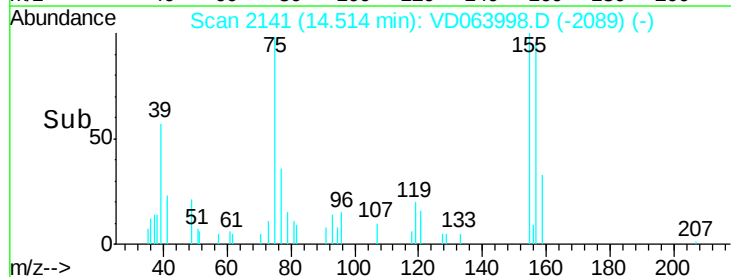
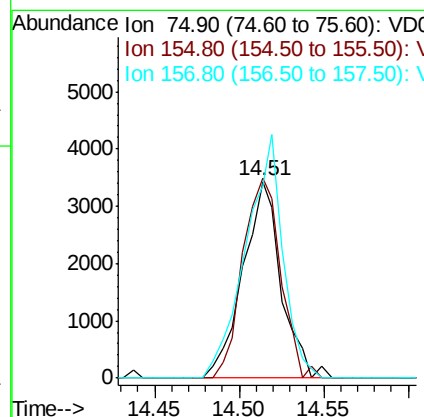
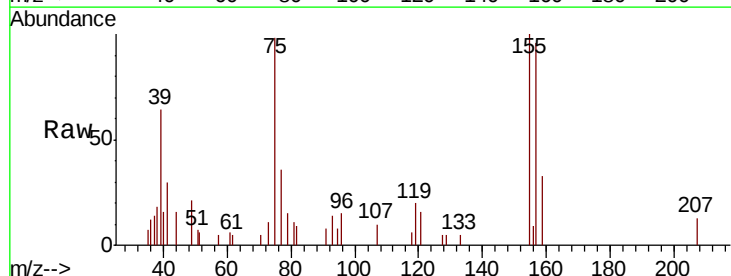
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBSD01

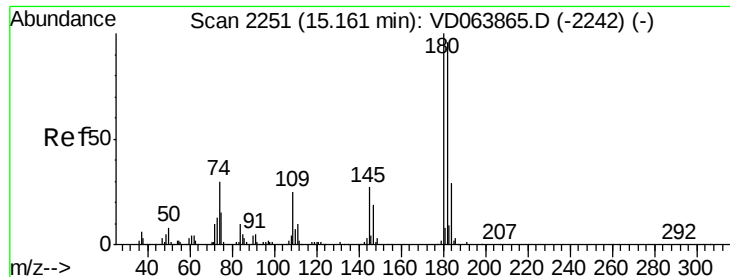
Tot Ion:146 Resp: 84561
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.6
 148 63.1 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.064 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Tgt Ion: 75 Resp: 5437
 Ion Ratio Lower Upper
 75 100
 155 100.4 43.9 131.6
 157 118.9 56.0 167.9

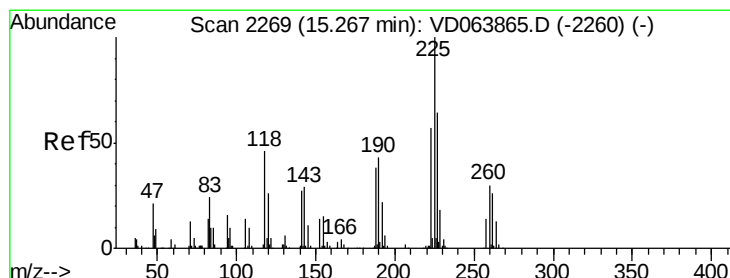
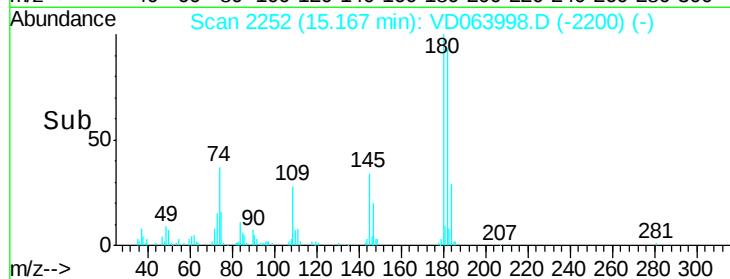
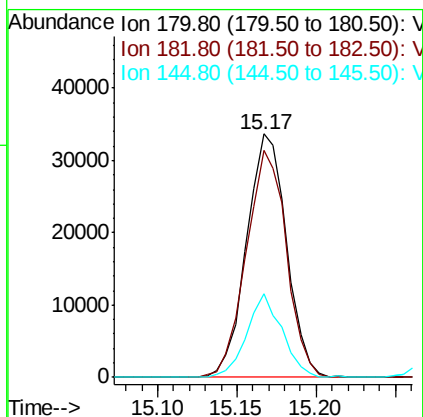
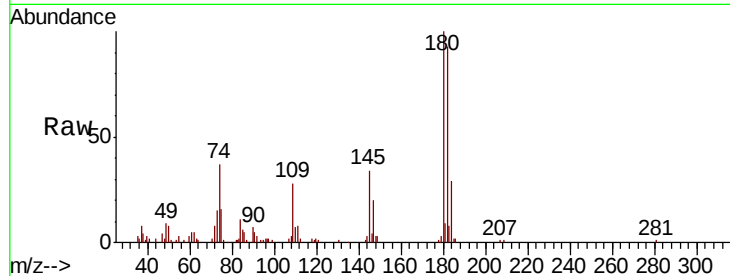




#93
 1,2,4-Trichlorobenzene
 Concen: 19.282 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

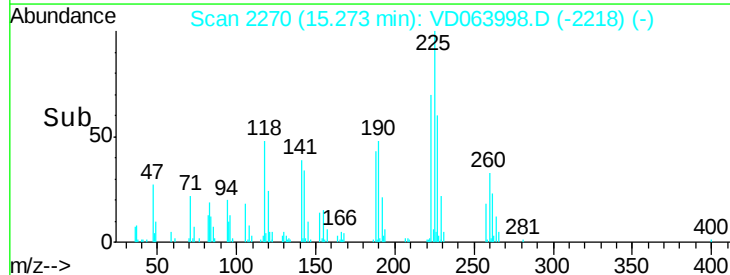
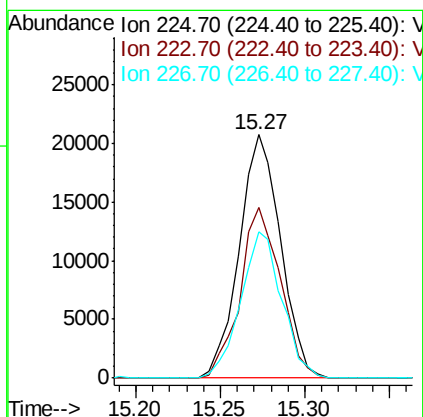
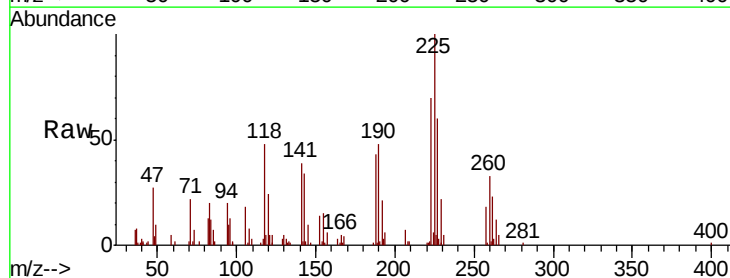
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBSD01

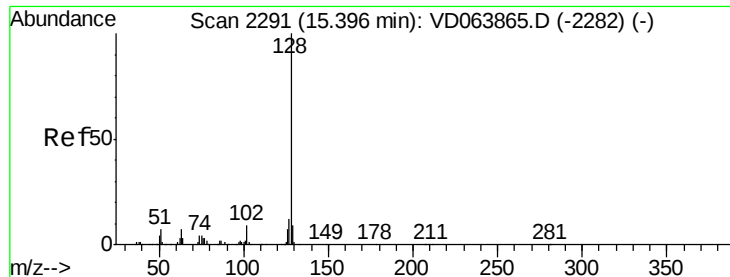
Tot Ion:180 Resp: 58939
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.4 142.3
 145 30.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.949 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063998.D
 Acq: 17 Oct 2019 11:51

Tgt Ion:225 Resp: 35337
 Ion Ratio Lower Upper
 225 100
 223 68.5 29.5 88.6
 227 59.7 30.8 92.4





#95

Naphthalene

Concen: 20.496 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD1017SBSD01

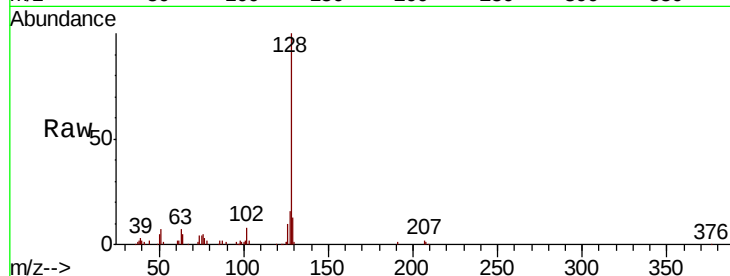
Tot Ion:128 Resp: 105297

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

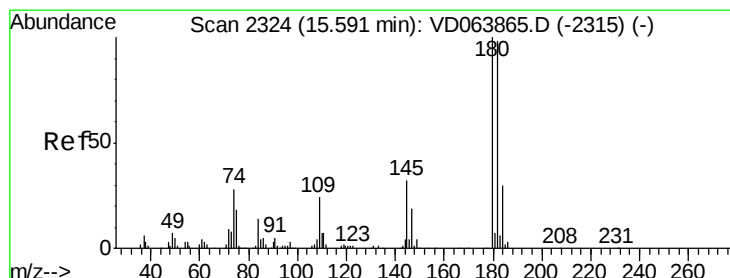
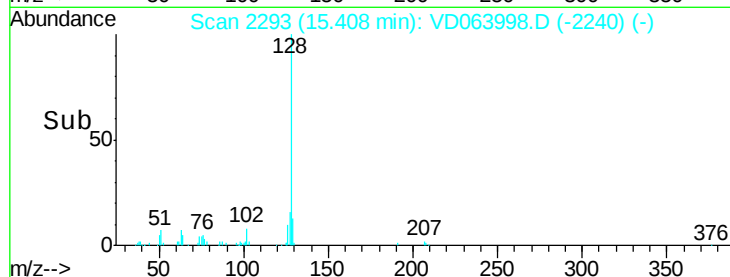
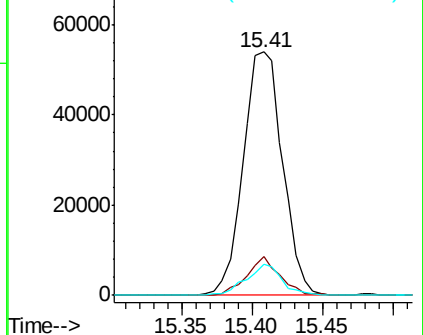
129 11.4 8.6 13.0



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: 20.580 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD063998.D

Acq: 17 Oct 2019 11:51

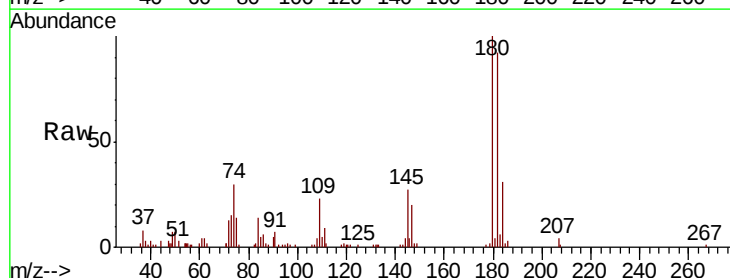
Tgt Ion:180 Resp: 54276

Ion Ratio Lower Upper

180 100

182 93.9 47.0 141.0

145 29.1 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

