

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063839.D
 Acq On : 26 Sep 2019 15:57
 Operator : VA/SY
 Sample : VD0926SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

Quant Time: Sep 27 18:26:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 18:19:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	226799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	350052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	342528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	181133	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.36	65	101491	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	7.94	113	102103	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	10.36	98	424417	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.65	95	140925	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	31746	20.409	ug/l	97
3) Chloromethane	2.22	50	100186	21.255	ug/l	99
4) Vinyl Chloride	2.36	62	106249	22.087	ug/l	97
5) Bromomethane	2.77	94	60391	21.457	ug/l	90
6) Chloroethane	2.93	64	67382	20.339	ug/l	99
7) Trichlorofluoromethane	3.29	101	141074	21.813	ug/l	98
8) Diethyl Ether	3.73	74	19776	18.752	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39050	20.354	ug/l	96
10) Methyl Iodide	4.31	142	48758	21.286	ug/l	98
11) Tert butyl alcohol	5.28	59	14198	85.213	ug/l	98
12) 1,1-Dichloroethene	4.09	96	37903	19.571	ug/l	90
13) Acrolein	3.94	56	19074	94.149	ug/l	99
14) Allyl chloride	4.74	41	61243	20.006	ug/l	97
15) Acrylonitrile	5.46	53	47653	102.285	ug/l #	88
16) Acetone	4.19	43	50025	104.356	ug/l #	88
17) Carbon Disulfide	4.42	76	134470	20.540	ug/l	99
18) Methyl Acetate	4.75	43	23998	20.333	ug/l	98
19) Methyl tert-butyl Ether	5.51	73	94503	19.490	ug/l #	86
20) Methylene Chloride	4.99	84	53274	18.471	ug/l #	93
21) trans-1,2-Dichloroethene	5.49	96	45481	20.175	ug/l #	94
22) Diisopropyl ether	6.40	45	127605	20.182	ug/l	98
23) Vinyl Acetate	6.34	43	386978	103.480	ug/l	99
24) 1,1-Dichloroethane	6.30	63	78713	20.492	ug/l	98
25) 2-Butanone	7.24	43	65037	103.778	ug/l	95
26) 2,2-Dichloropropane	7.23	77	73388	20.429	ug/l	100
27) cis-1,2-Dichloroethene	7.24	96	49770	19.676	ug/l	91
28) Bromochloromethane	7.58	49	27926	18.527	ug/l #	92
29) Tetrahydrofuran	7.60	42	39762	105.889	ug/l	99
30) Chloroform	7.73	83	82762	19.837	ug/l	96
31) Cyclohexane	8.00	56	75984	19.817	ug/l #	85
32) 1,1,1-Trichloroethane	7.93	97	75329	19.968	ug/l	97
36) 1,1-Dichloropropene	8.14	75	67813	21.238	ug/l	98
37) Ethyl Acetate	7.33	43	27046	20.281	ug/l	98
38) Carbon Tetrachloride	8.12	117	65689	19.766	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	82186	20.672	ug/l	91
40) Benzene	8.37	78	183041	20.815	ug/l	97
41) Methacrylonitrile	7.56	41	15498	19.678	ug/l	94
42) 1,2-Dichloroethane	8.45	62	50721	19.725	ug/l	97
43) Isopropyl Acetate	8.47	43	57068	21.347	ug/l	99
44) Trichloroethene	9.13	130	53474	20.998	ug/l	94
45) 1,2-Dichloropropane	9.41	63	47308	21.779	ug/l	98
46) Dibromomethane	9.49	93	25328	20.659	ug/l	97
47) Bromodichloromethane	9.68	83	64993	20.564	ug/l #	92
48) Methyl methacrylate	9.48	41	26403	21.715	ug/l	92
49) 1,4-Dioxane	9.49	88	6664	389.625	ug/l	97
51) 4-Methyl-2-Pentanone	10.25	43	144205	107.074	ug/l	100
52) Toluene	10.42	92	123770	20.758	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	65427	20.885	ug/l	91
54) cis-1,3-Dichloropropene	10.11	75	74725	21.013	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	35119	20.272	ug/l	97
56) Ethyl methacrylate	10.68	69	46102	20.938	ug/l	98
57) 1,3-Dichloropropane	10.96	76	60037	20.396	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.96	63	98689	100.280	ug/l	100
59) 2-Hexanone	11.00	43	102279	106.437	ug/l	98
60) Dibromochloromethane	11.16	129	46864	20.498	ug/l	98
61) 1,2-Dibromoethane	11.26	107	36478	21.063	ug/l	97
64) Tetrachloroethene	10.89	164	45423	19.687	ug/l	96
65) Chlorobenzene	11.68	112	142632	20.701	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.76	131	48681	19.225	ug/l	95
67) Ethyl Benzene	11.76	91	249750	20.067	ug/l	99
68) m/p-Xylenes	11.87	106	197028	41.225	ug/l	99
69) o-Xylene	12.19	106	89563	19.854	ug/l	95
70) Styrene	12.21	104	157268	20.599	ug/l	99
71) Bromoform	12.38	173	27642	19.651	ug/l #	95
73) Isopropylbenzene	12.49	105	255459	20.648	ug/l	98
74) N-amyl acetate	12.30	43	55672	20.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	42348	20.535	ug/l	98
76) 1,2,3-Trichloropropane	12.80	75	35369m	25.752	ug/l	
77) Bromobenzene	12.77	156	60121	20.220	ug/l	99
78) n-propylbenzene	12.83	91	308228	21.176	ug/l	97
79) 2-Chlorotoluene	12.92	91	159766	20.350	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	208134	20.180	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	12574	18.284	ug/l	96
82) 4-Chlorotoluene	13.02	91	171727	20.505	ug/l	98
83) tert-Butylbenzene	13.24	119	179805	19.952	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	211634	20.212	ug/l	99
85) sec-Butylbenzene	13.41	105	258953	20.651	ug/l	99
86) p-Isopropyltoluene	13.53	119	239387	20.327	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	118941	20.374	ug/l	97
88) 1,4-Dichlorobenzene	13.61	146	115378	19.872	ug/l	99
89) n-Butylbenzene	13.86	91	235241	20.988	ug/l	99
90) Hexachloroethane	14.13	117	44227	20.275	ug/l	96
91) 1,2-Dichlorobenzene	13.91	146	101888	20.347	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.53	75	6993	20.098	ug/l	91

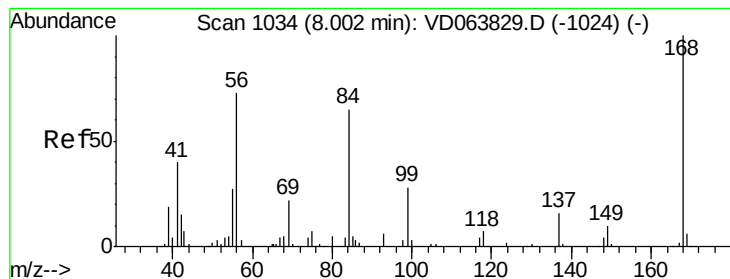
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092619\
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MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	77365	20.344	ug/l	98
94) Hexachlorobutadiene	15.28	225	44665	20.730	ug/l	98
95) Naphthalene	15.42	128	136971	20.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	66510	19.727	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

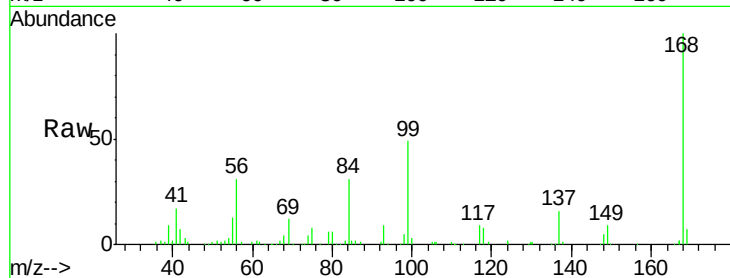
VD0926SBSD01

Tot Ion:168 Resp: 226799

Ion Ratio Lower Upper

168 100

99 49.2 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

100000

80000

60000

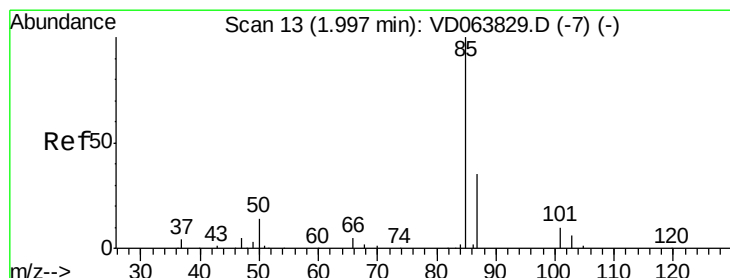
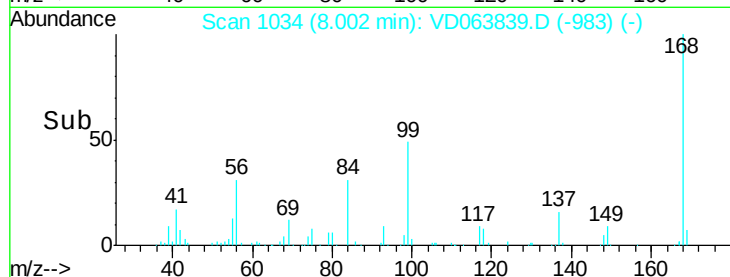
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.409 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063839.D

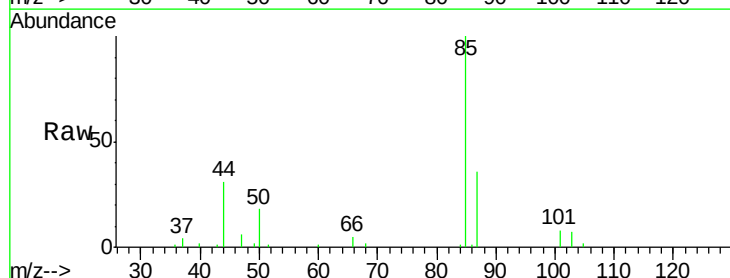
Acq: 26 Sep 2019 15:57

Tgt Ion: 85 Resp: 31746

Ion Ratio Lower Upper

85 100

87 36.1 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

20000

15000

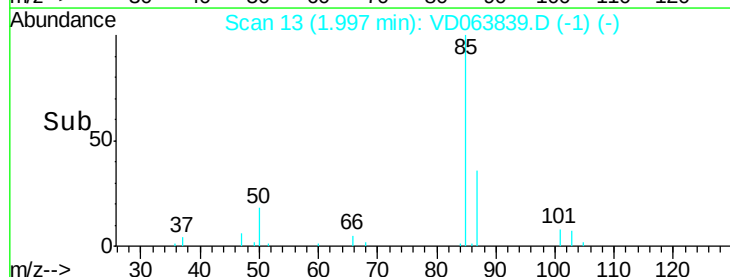
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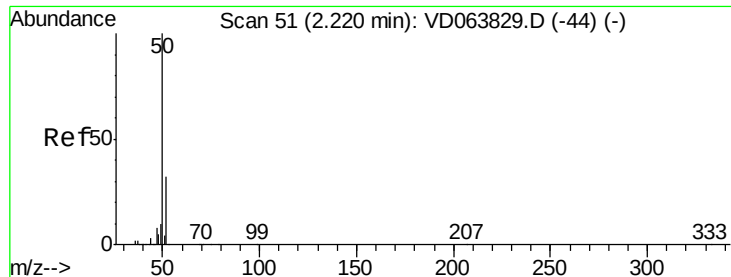
5000

0

Time-->

1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.255 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

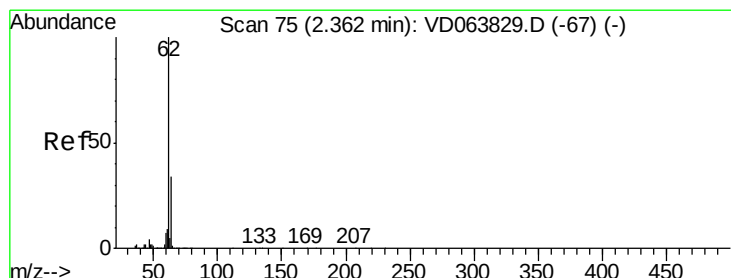
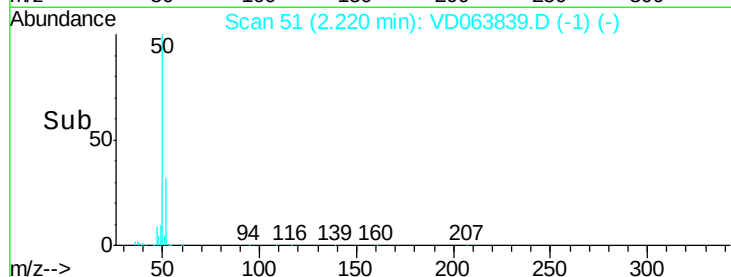
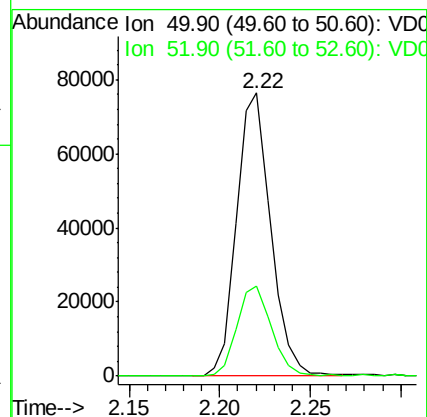
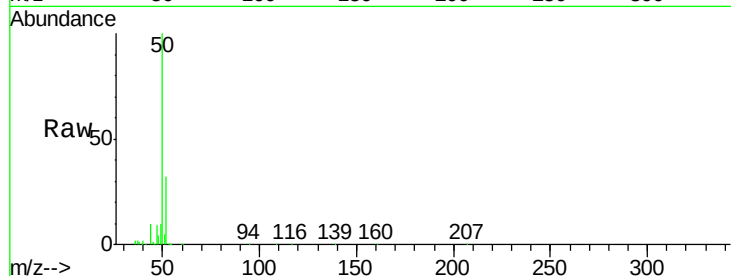
VD0926SBSD01

Tot Ion: 50 Resp: 100186

Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4



#4

Vinyl Chloride

Concen: 22.087 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063839.D

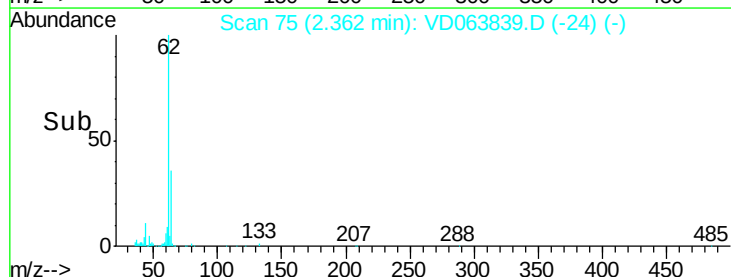
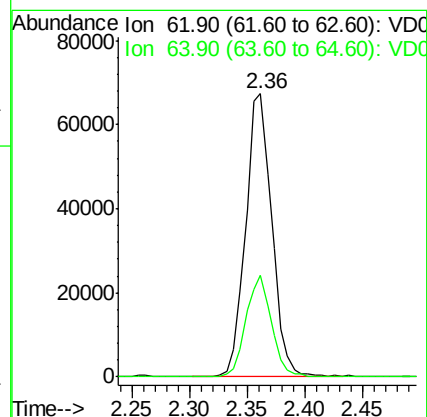
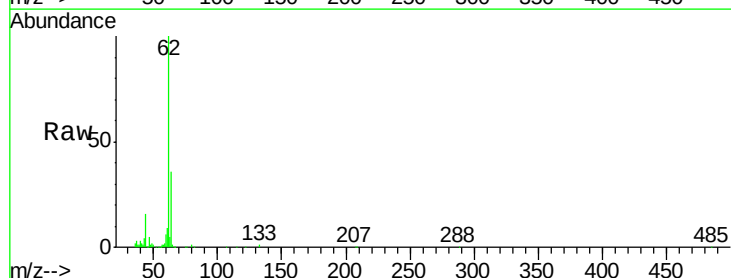
Acq: 26 Sep 2019 15:57

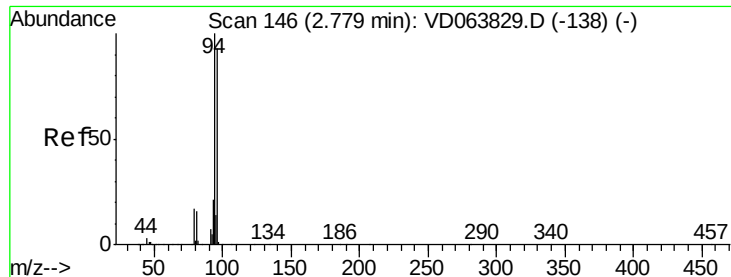
Tgt Ion: 62 Resp: 106249

Ion Ratio Lower Upper

62 100

64 35.8 27.1 40.7





#5

Bromomethane

Concen: 21.457 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

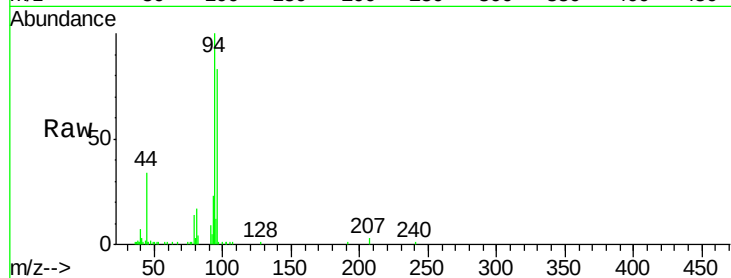
VD0926SBS01

Tot Ion: 94 Resp: 60391

Ion Ratio Lower Upper

94 100

96 82.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

30000

25000

20000

15000

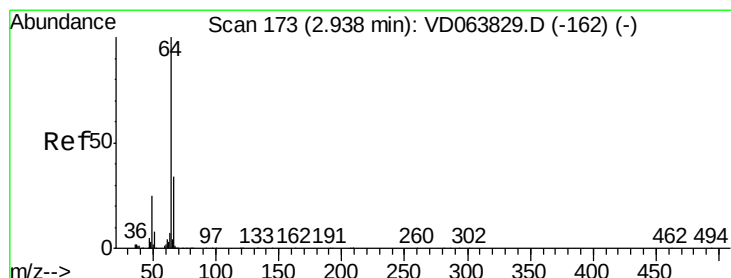
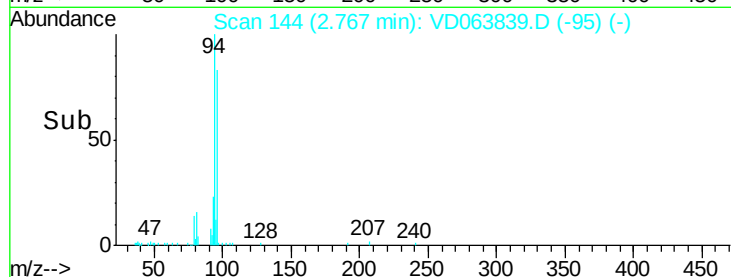
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 20.339 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD063839.D

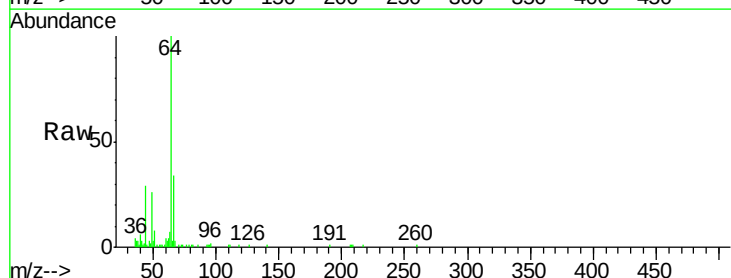
Acq: 26 Sep 2019 15:57

Tgt Ion: 64 Resp: 67382

Ion Ratio Lower Upper

64 100

66 34.4 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

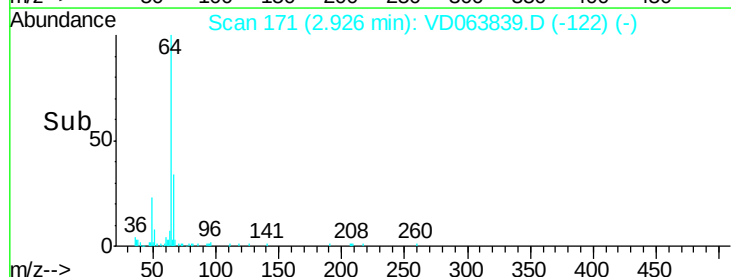
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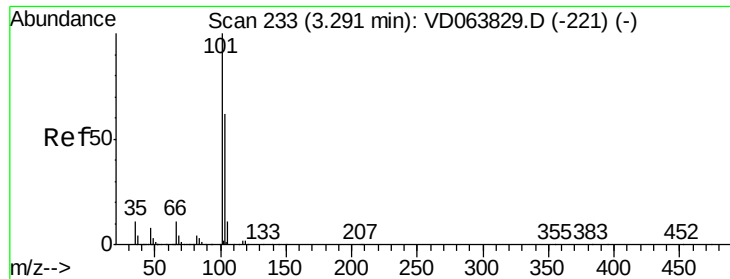
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0

Time-->

2.85 2.90 2.95 3.00



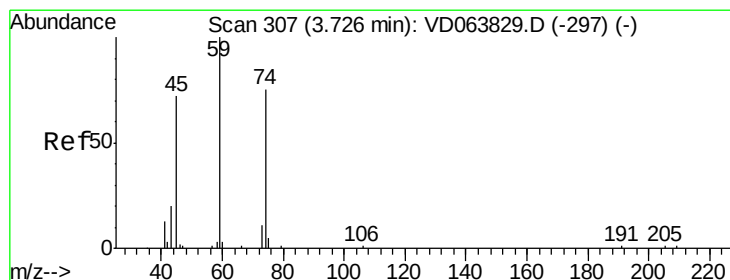
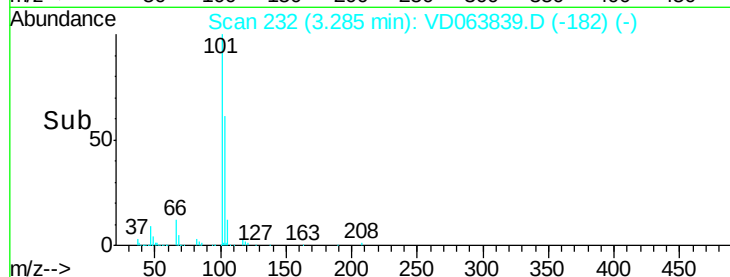
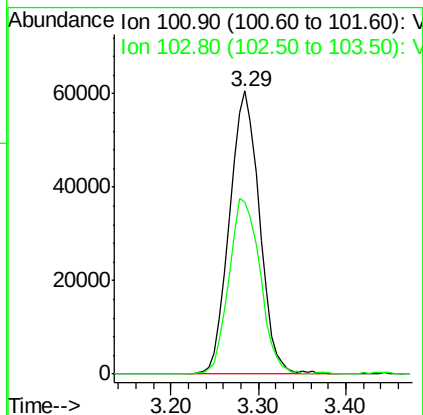
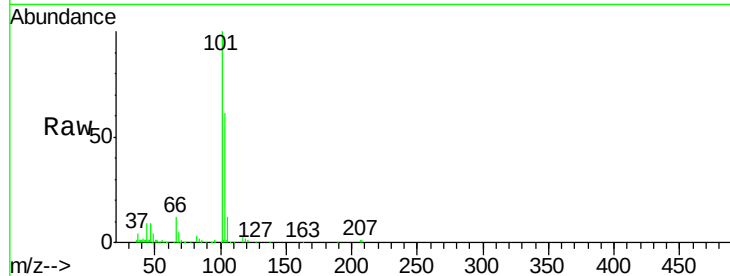


#7

Trichlorofluoromethane
Concen: 21.813 ug/l
RT: 3.29 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

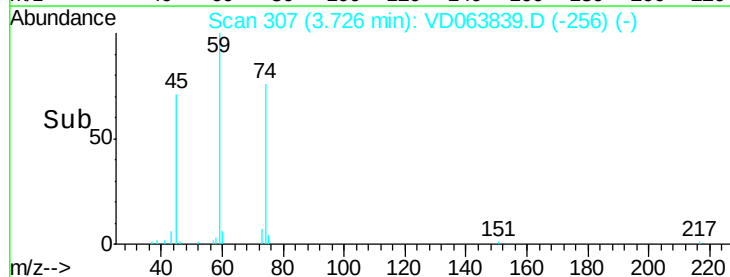
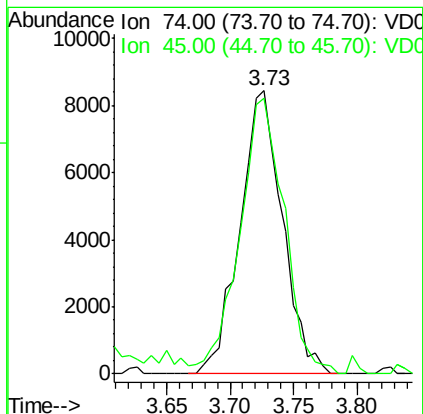
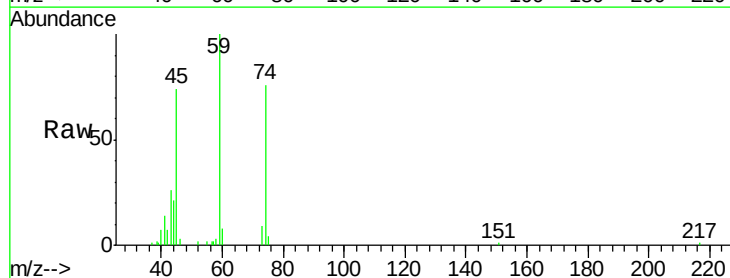
Tot Ion:101 Resp: 141074
Ion Ratio Lower Upper
101 100
103 60.9 49.8 74.8

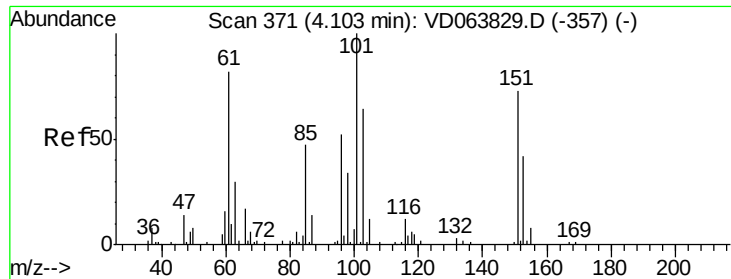


#8

Diethyl Ether
Concen: 18.752 ug/l
RT: 3.73 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 74 Resp: 19776
Ion Ratio Lower Upper
74 100
45 102.0 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.354 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

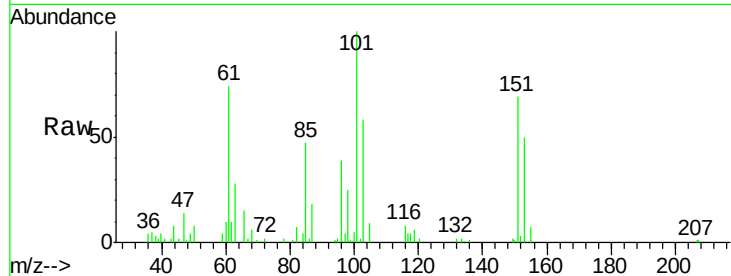
Tot Ion:101 Resp: 39050

Ion Ratio Lower Upper

101 100

85 45.7 37.8 56.6

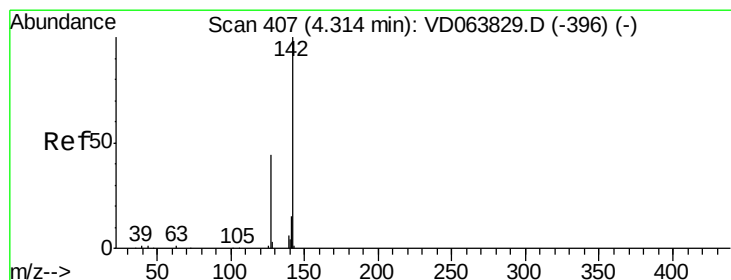
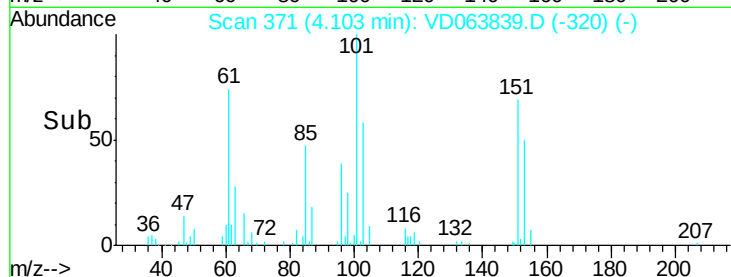
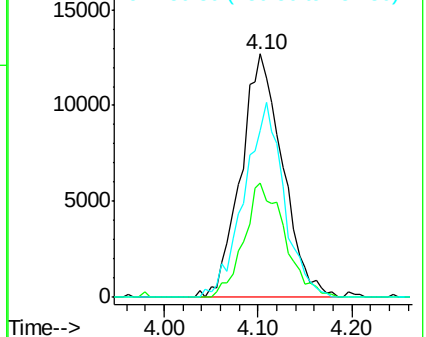
151 75.9 64.2 96.2



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: 21.286 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

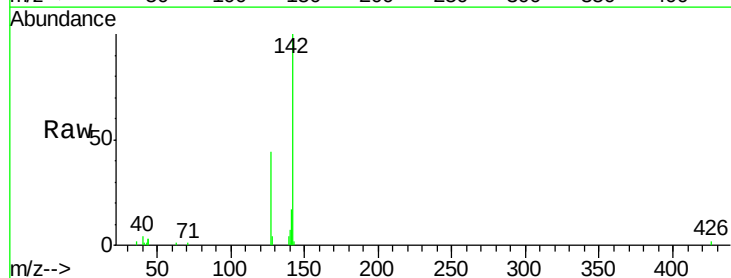
Tgt Ion:142 Resp: 48758

Ion Ratio Lower Upper

142 100

127 45.5 35.8 53.6

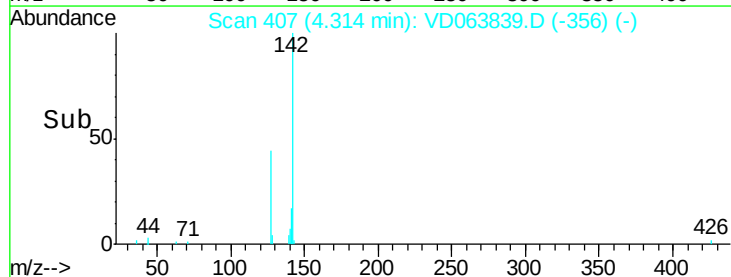
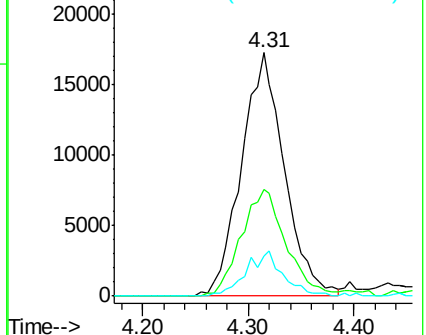
141 15.9 11.9 17.9

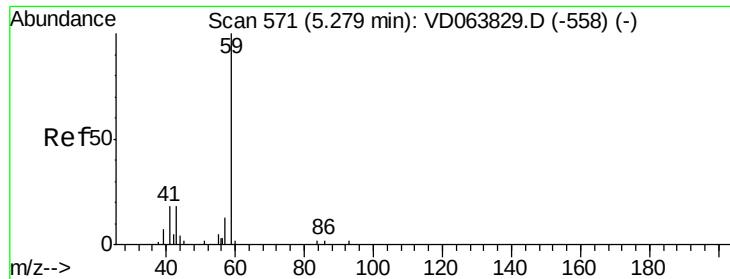


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



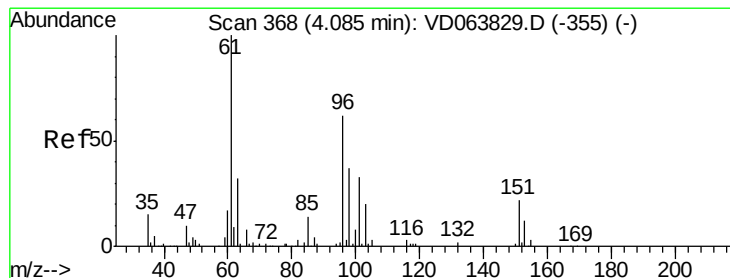
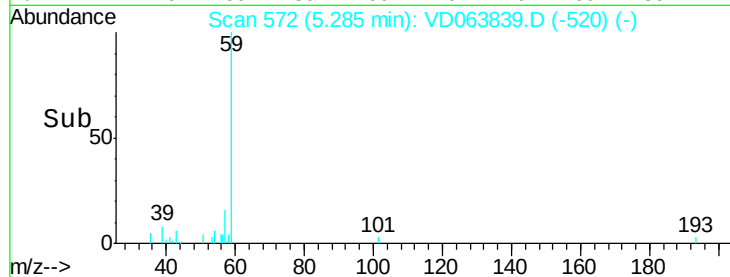
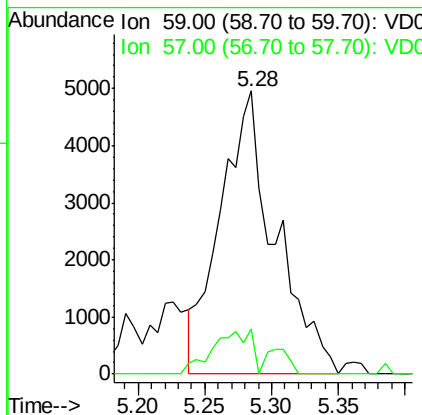
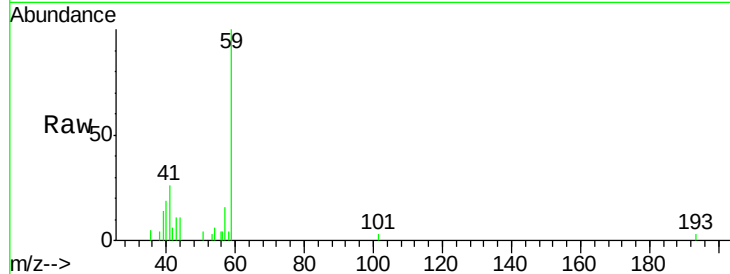


#11

Tert butyl alcohol
 Concen: 85.213 ug/l
 RT: 5.28 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

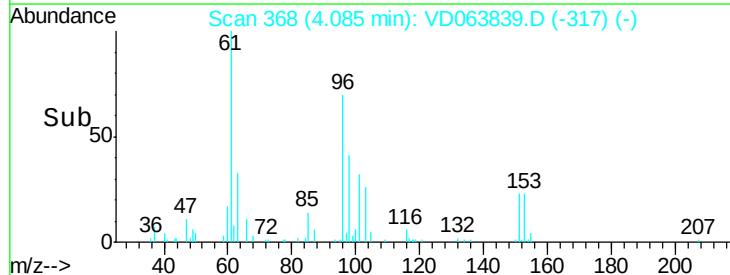
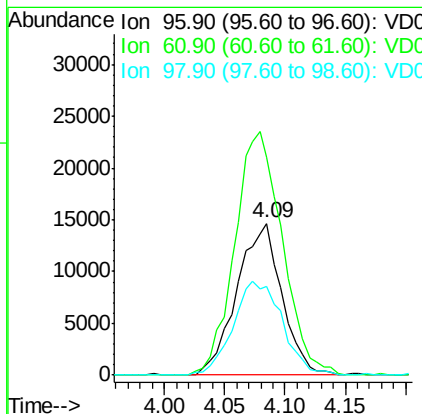
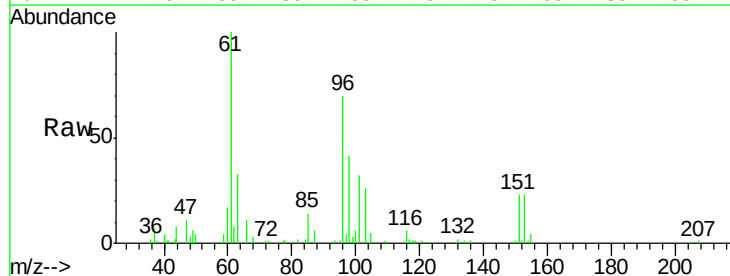
Tot Ion: 59 Resp: 14198
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.3 12.5

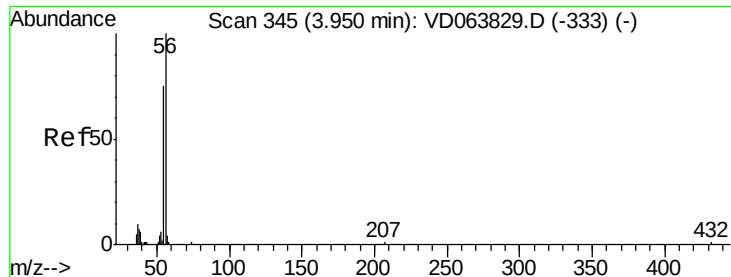


#12

1,1-Dichloroethene
 Concen: 19.571 ug/l
 RT: 4.09 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion: 96 Resp: 37903
 Ion Ratio Lower Upper
 96 100
 61 143.8 129.0 193.4
 98 58.6 47.8 71.6





#13

Acrolein

Concen: 94.149 ug/l

RT: 3.94 min Scan# 344

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

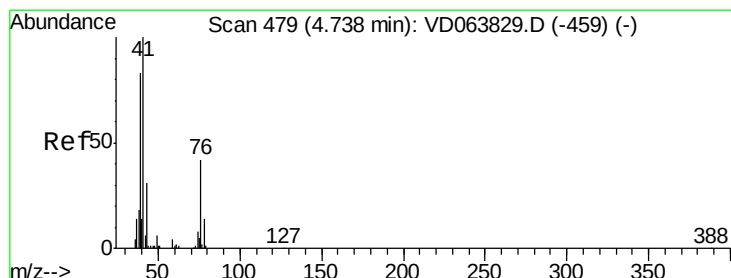
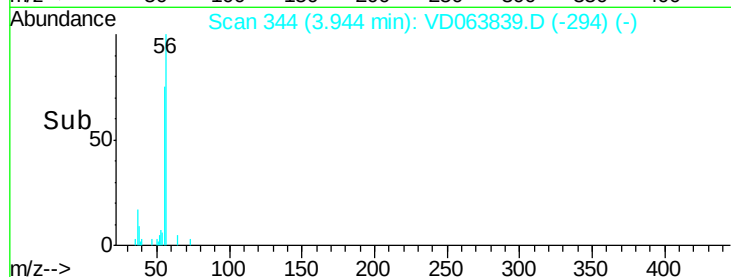
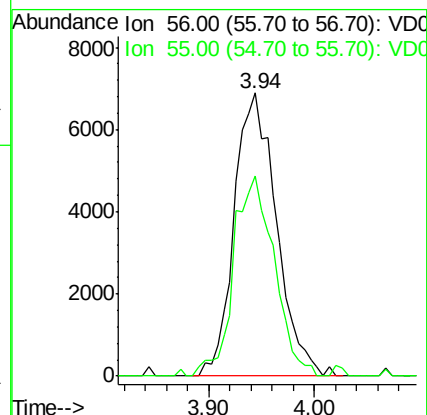
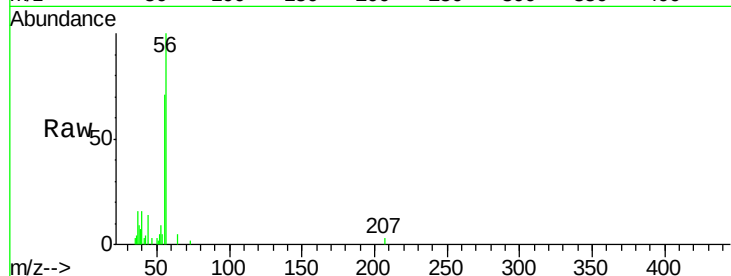
VD0926SBSD01

Tot Ion: 56 Resp: 19074

Ion Ratio Lower Upper

56 100

55 68.4 55.0 82.6



#14

Allyl chloride

Concen: 20.006 ug/l

RT: 4.74 min Scan# 479

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

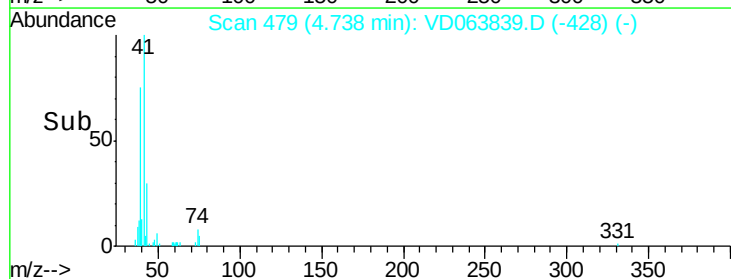
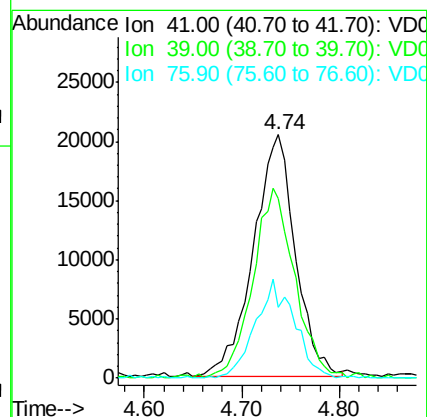
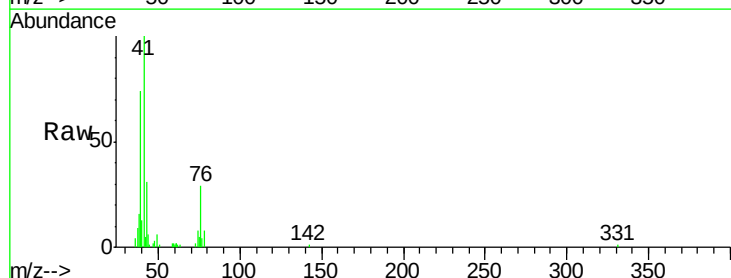
Tgt Ion: 41 Resp: 61243

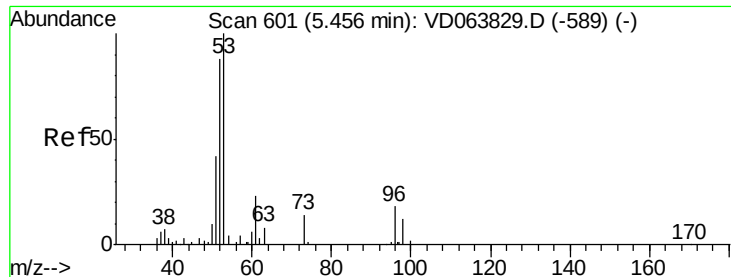
Ion Ratio Lower Upper

41 100

39 78.5 63.7 95.5

76 37.9 33.5 50.3





#15

Acrylonitrile

Concen: 102.285 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

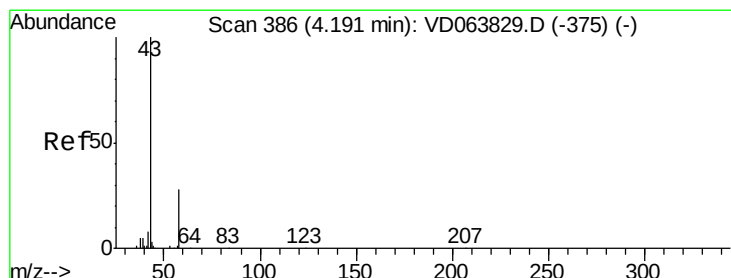
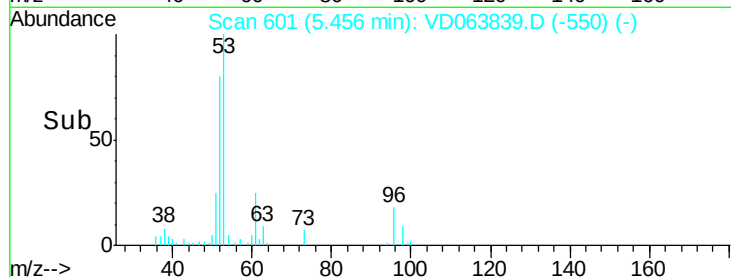
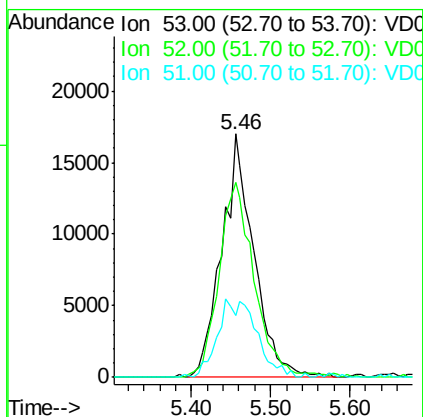
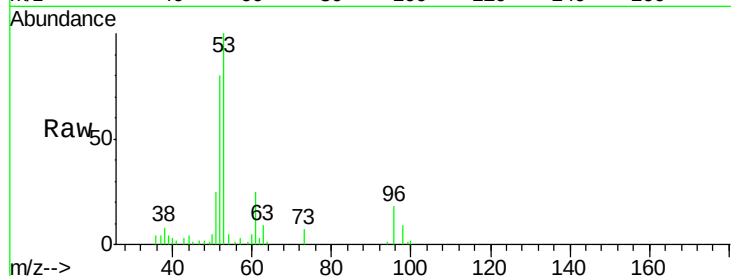
Tot Ion: 53 Resp: 47653

Ion Ratio Lower Upper

53 100

52 88.1 68.7 103.1

51 19.0 30.7 46.1#



#16

Acetone

Concen: 104.356 ug/l

RT: 4.19 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD063839.D

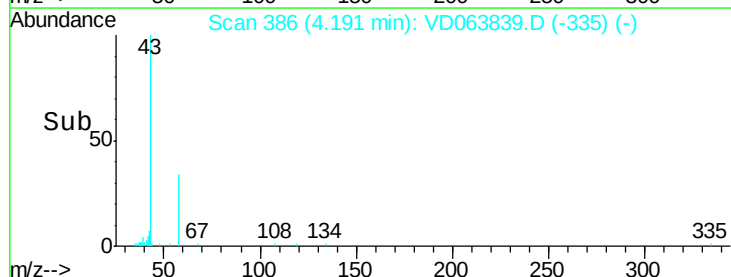
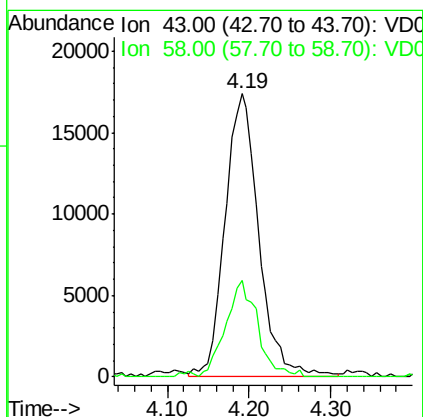
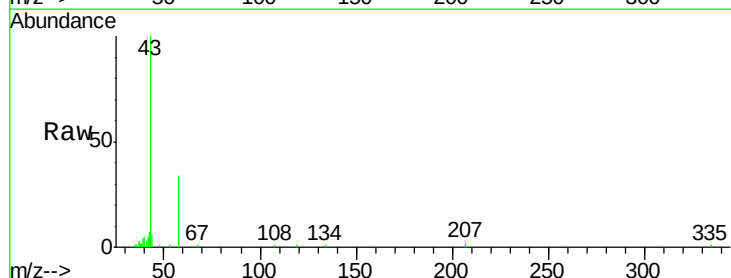
Acq: 26 Sep 2019 15:57

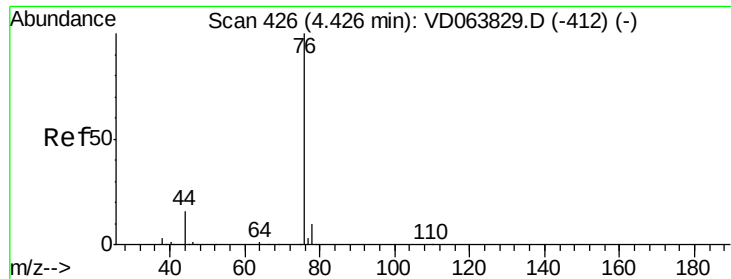
Tgt Ion: 43 Resp: 50025

Ion Ratio Lower Upper

43 100

58 34.6 22.6 34.0#





#17

Carbon Disulfide

Concen: 20.540 ug/l

RT: 4.42 min Scan# 425

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

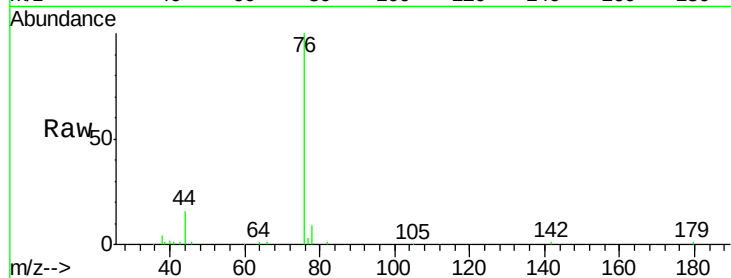
VD0926SBSD01

Tot Ion: 76 Resp: 134470

Ion Ratio Lower Upper

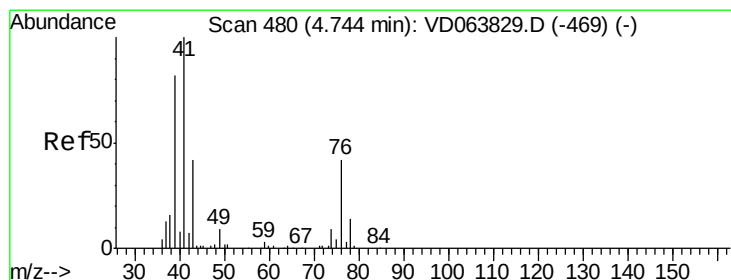
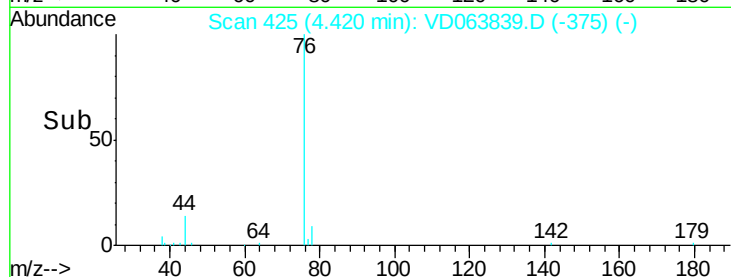
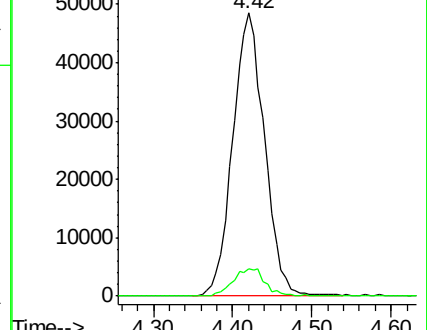
76 100

78 9.5 7.9 11.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.333 ug/l

RT: 4.75 min Scan# 481

Delta R.T. 0.01 min

Lab File: VD063839.D

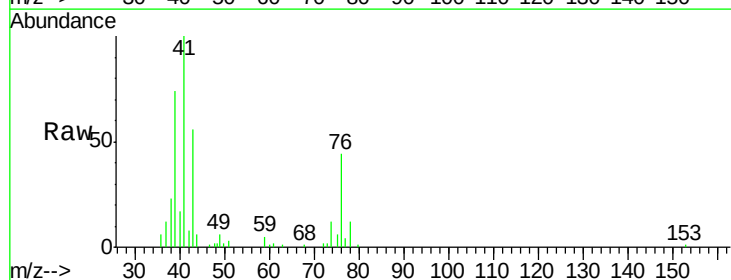
Acq: 26 Sep 2019 15:57

Tgt Ion: 43 Resp: 23998

Ion Ratio Lower Upper

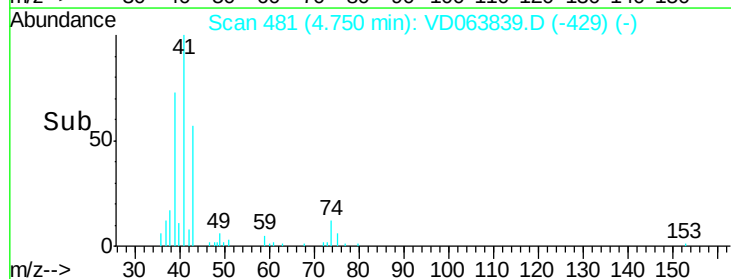
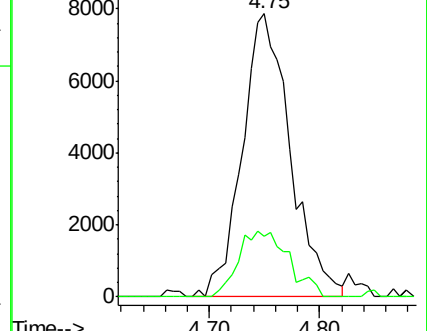
43 100

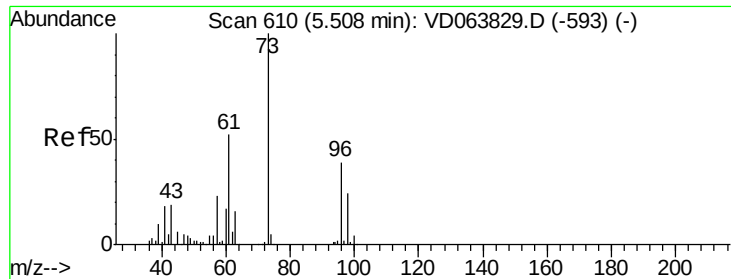
74 24.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

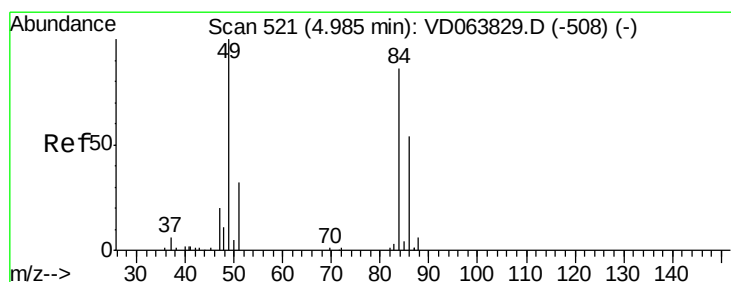
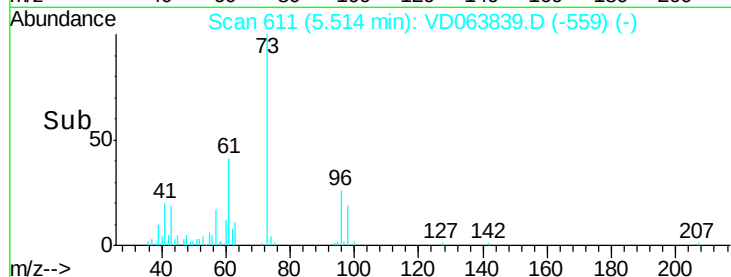
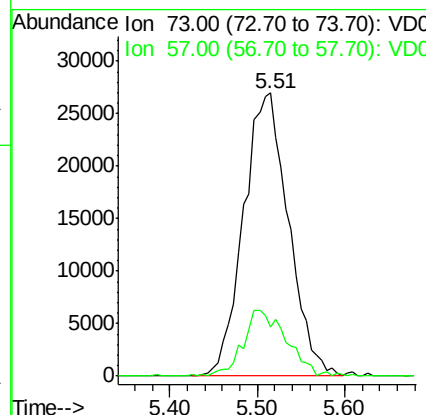
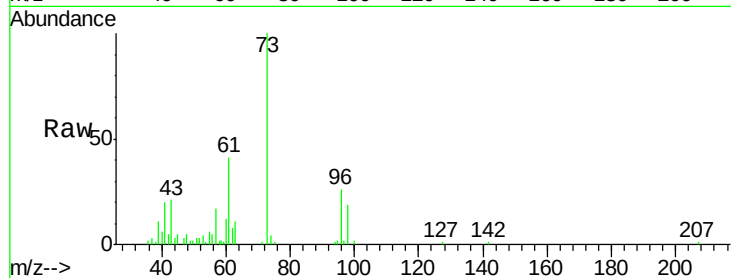




#19
Methyl tert-butyl Ether
Concen: 19.490 ug/l
RT: 5.51 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

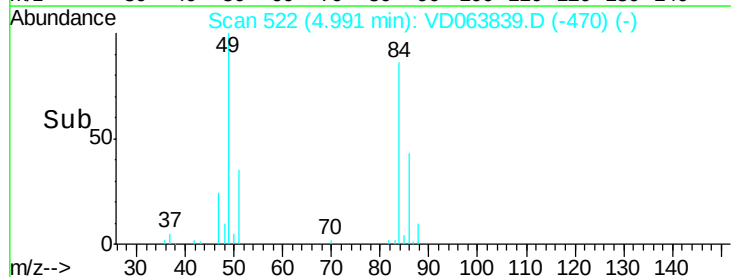
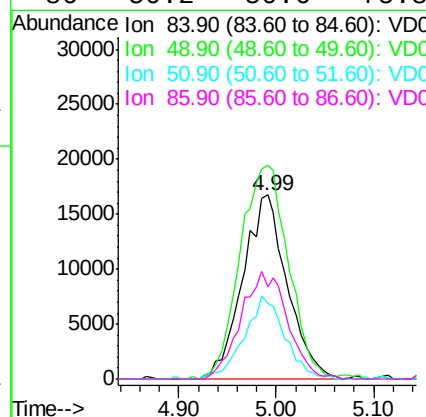
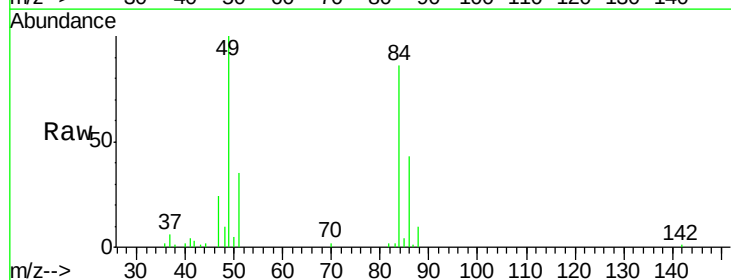
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

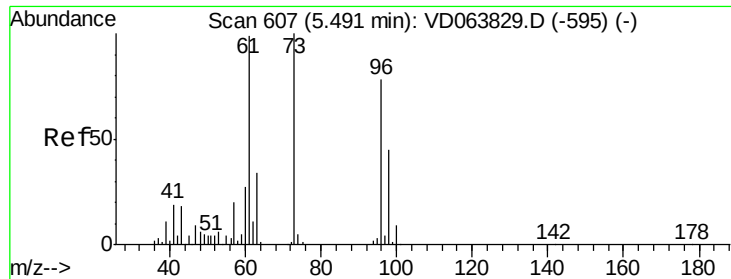
Tot Ion: 73 Resp: 94503
Ion Ratio Lower Upper
73 100
57 16.6 18.7 28.1#



#20
Methylene Chloride
Concen: 18.471 ug/l
RT: 4.99 min Scan# 522
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 84 Resp: 53274
Ion Ratio Lower Upper
84 100
49 114.8 93.6 140.4
51 40.8 29.8 44.6
86 50.2 50.6 75.8#





#21

trans-1,2-Dichloroethene

Concen: 20.175 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

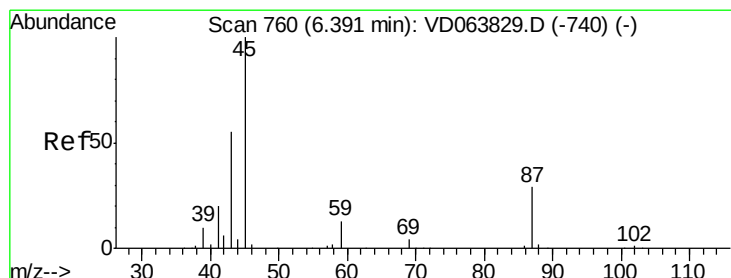
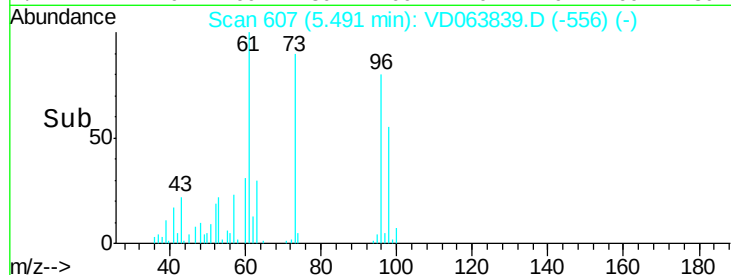
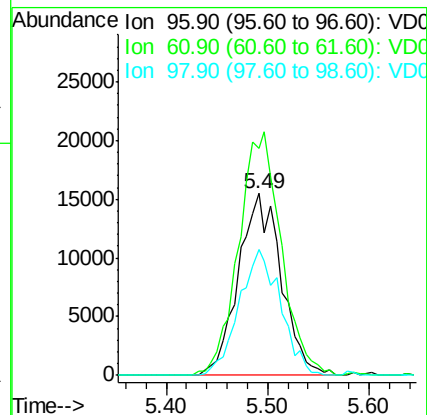
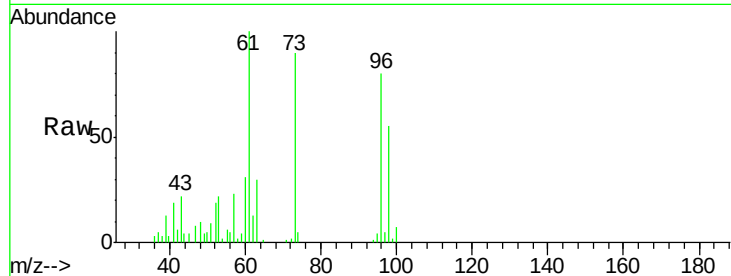
Tot Ion: 96 Resp: 45481

Ion Ratio Lower Upper

96 100

61 124.5 101.3 151.9

98 68.8 45.4 68.2#



#22

Diisopropyl ether

Concen: 20.182 ug/l

RT: 6.40 min Scan# 761

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Tgt Ion: 45 Resp: 127605

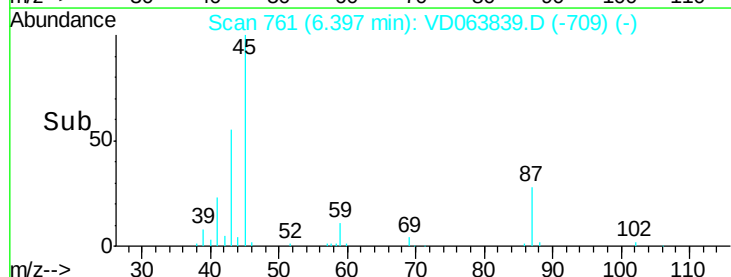
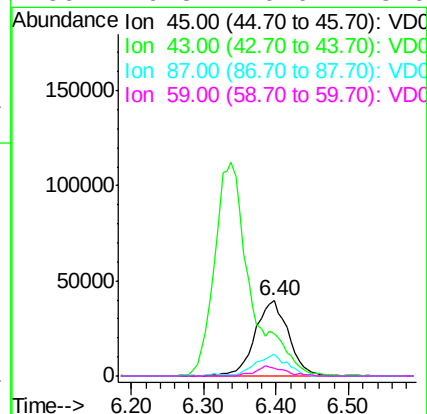
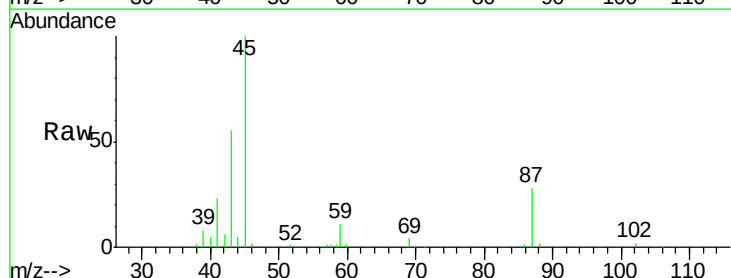
Ion Ratio Lower Upper

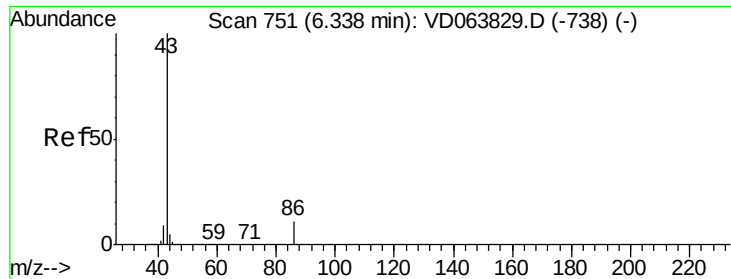
45 100

43 54.6 44.2 66.2

87 28.3 23.9 35.9

59 10.8 10.0 15.0





#23

Vinyl Acetate

Concen: 103.480 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

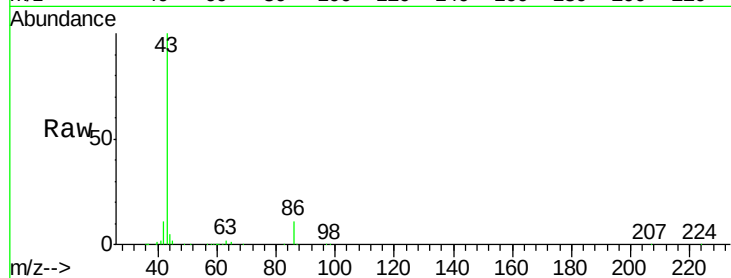
VD0926SBSD01

Tot Ion: 43 Resp: 386978

Ion Ratio Lower Upper

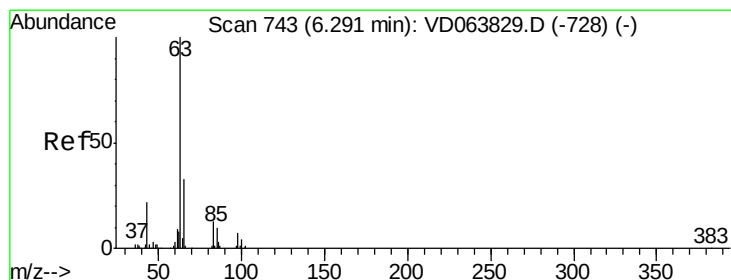
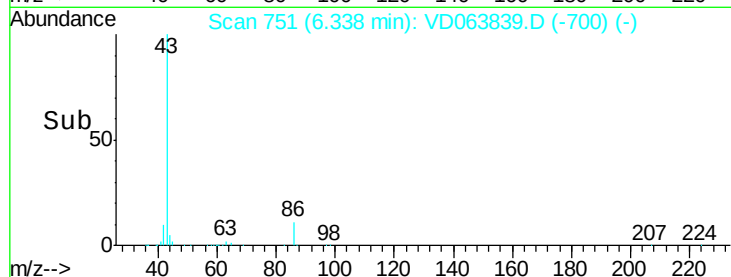
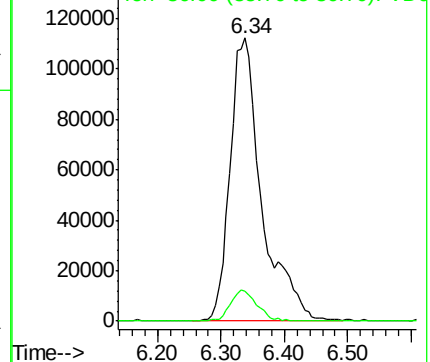
43 100

86 10.8 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: 20.492 ug/l

RT: 6.30 min Scan# 744

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

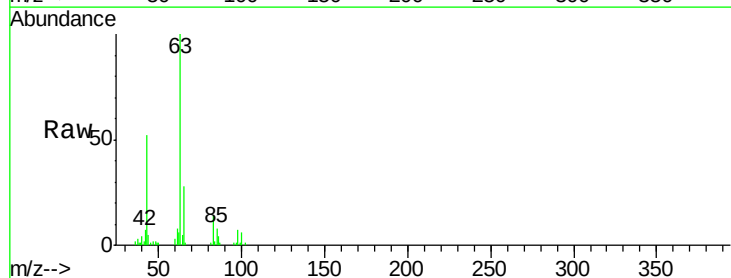
Tgt Ion: 63 Resp: 78713

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

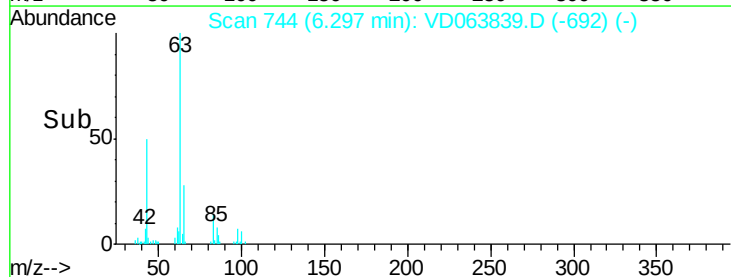
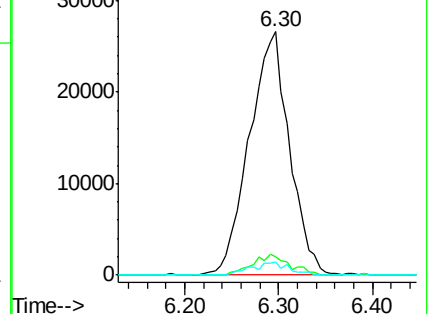
100 5.5 2.0 6.0

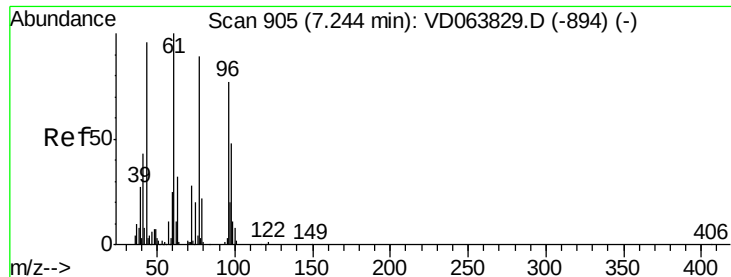


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

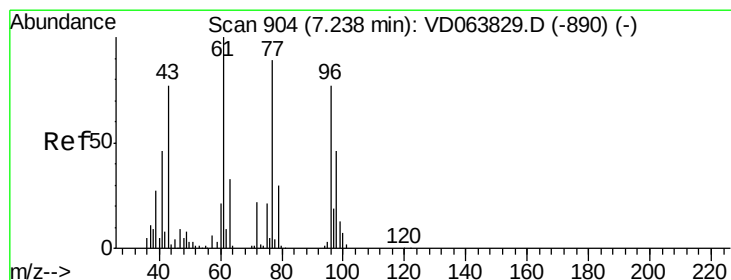
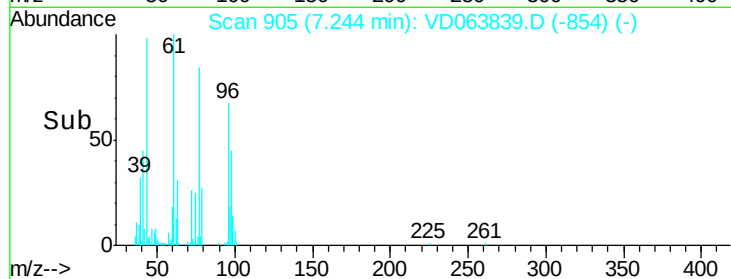
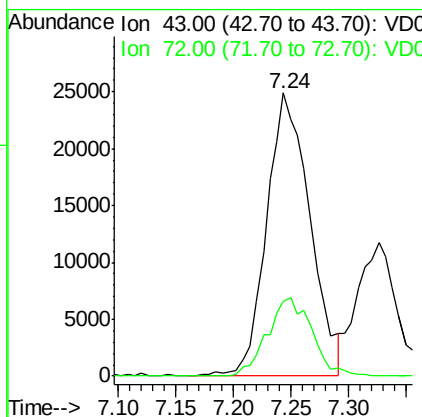
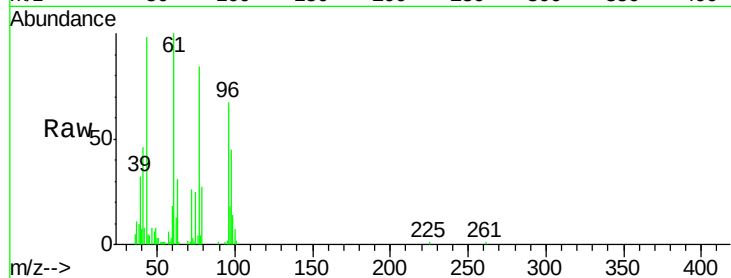




#25
 2-Butanone
 Concen: 103.778 ug/l
 RT: 7.24 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

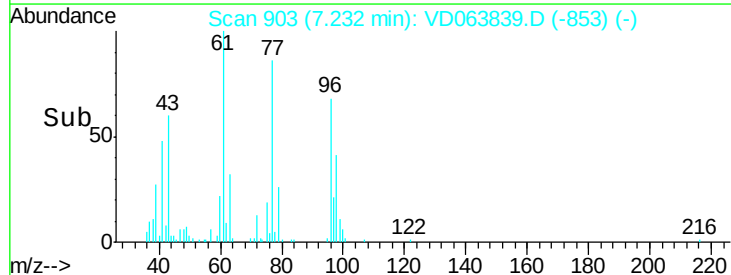
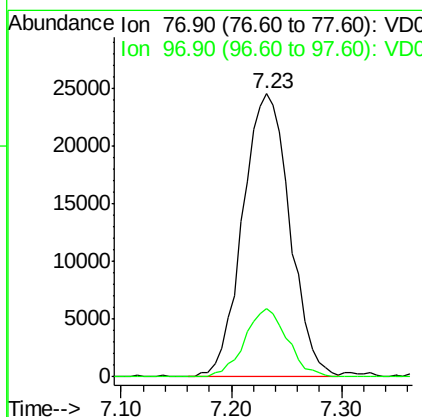
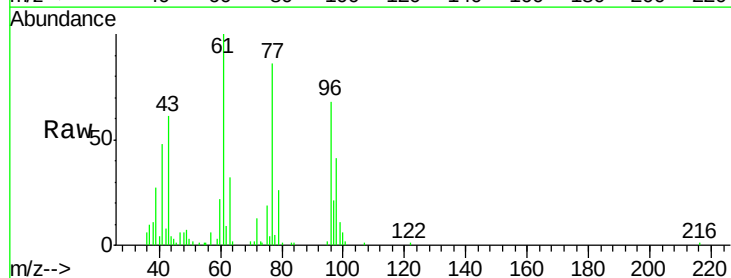
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

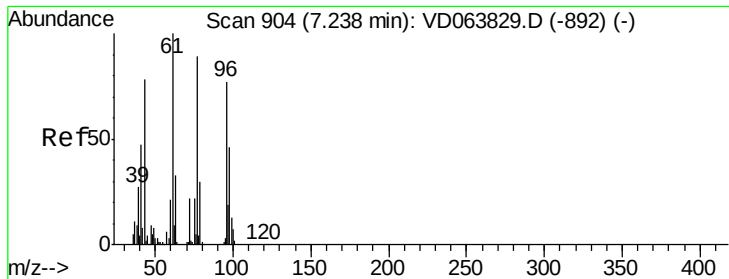
Tot Ion: 43 Resp: 65037
 Ion Ratio Lower Upper
 43 100
 72 26.6 23.5 35.3



#26
 2,2-Dichloropropane
 Concen: 20.429 ug/l
 RT: 7.23 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion: 77 Resp: 73388
 Ion Ratio Lower Upper
 77 100
 97 21.8 10.9 32.7



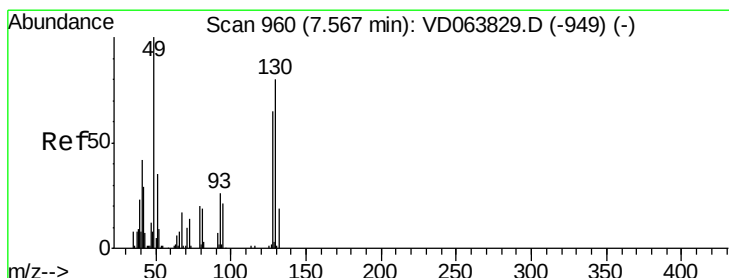
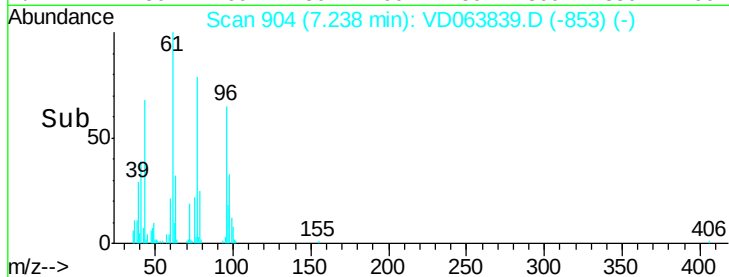
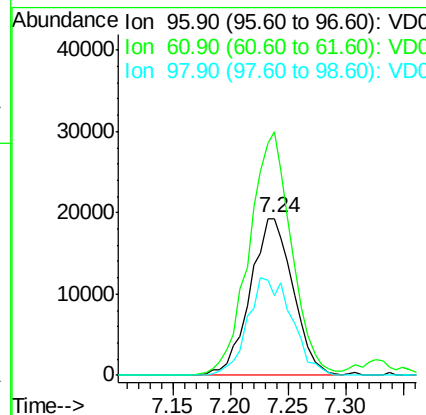
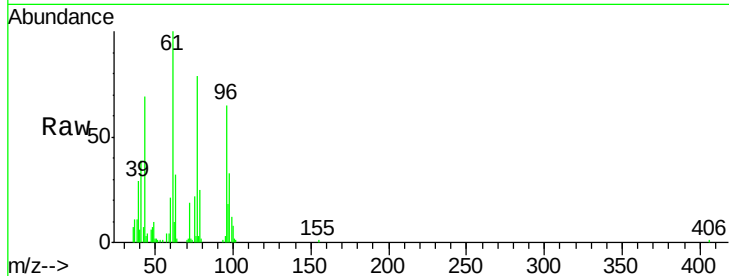


#27

cis-1,2-Dichloroethene
 Concen: 19.676 ug/l
 RT: 7.24 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

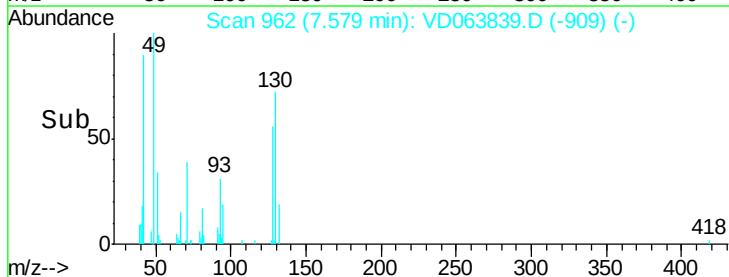
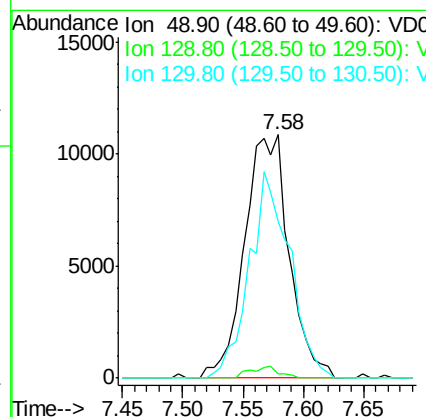
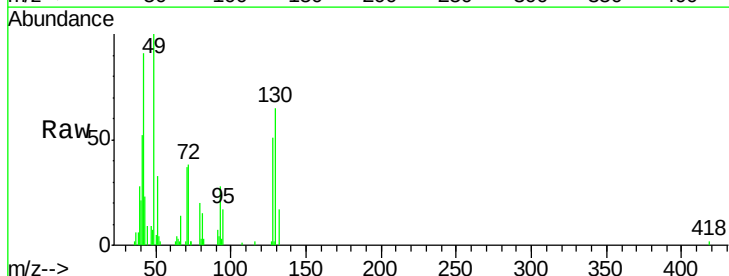
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	0.0	275.6
98	64.2	0.0	130.2

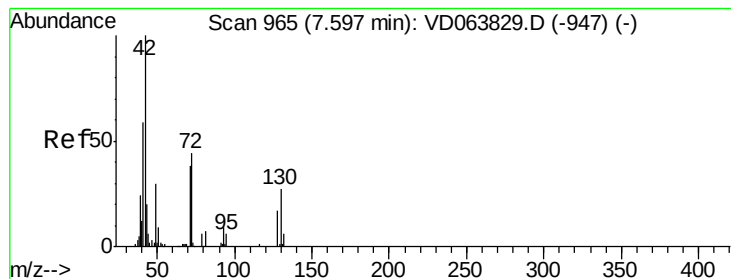


#28

Bromochloromethane
 Concen: 18.527 ug/l
 RT: 7.58 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	2.6#
130	76.4	67.0	100.4





#29

Tetrahydrofuran

Concen: 105.889 ug/l

RT: 7.60 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

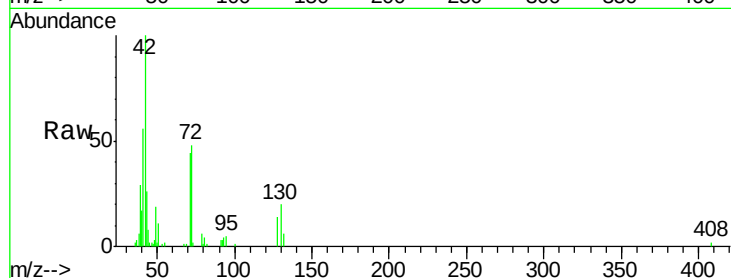
Tot Ion: 42 Resp: 39762

Ion Ratio Lower Upper

42 100

72 45.9 37.3 55.9

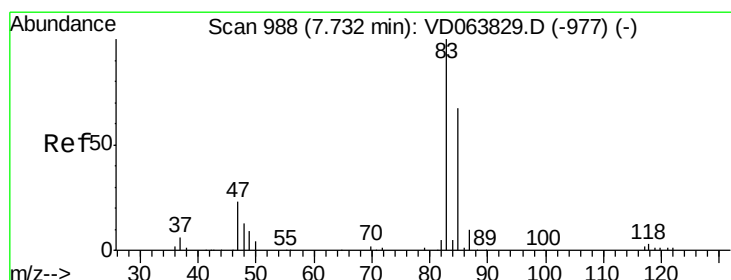
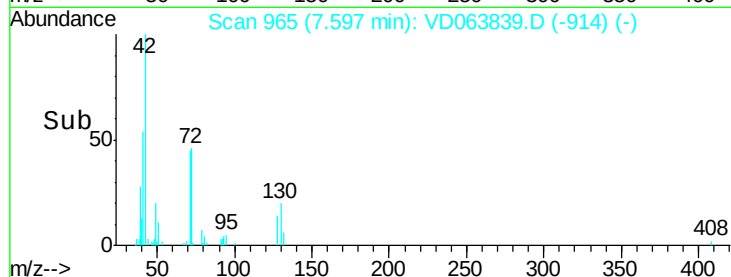
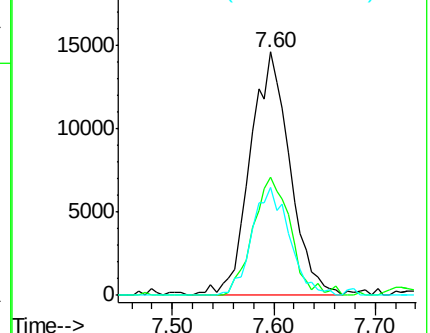
71 41.7 33.4 50.2



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.837 ug/l

RT: 7.73 min Scan# 988

Delta R.T. 0.00 min

Lab File: VD063839.D

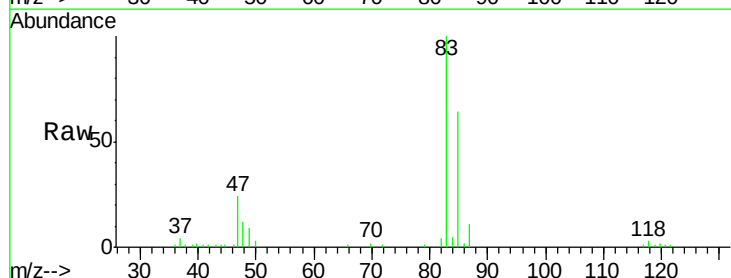
Acq: 26 Sep 2019 15:57

Tgt Ion: 83 Resp: 82762

Ion Ratio Lower Upper

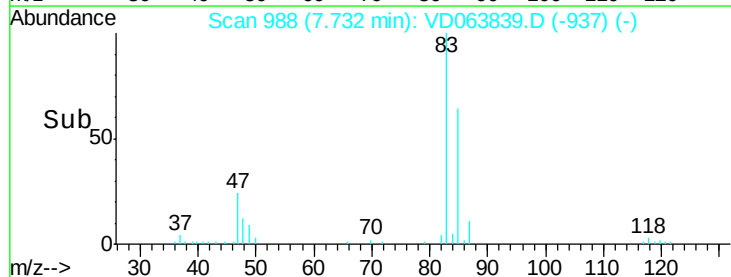
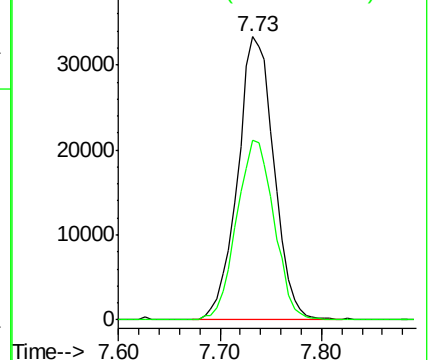
83 100

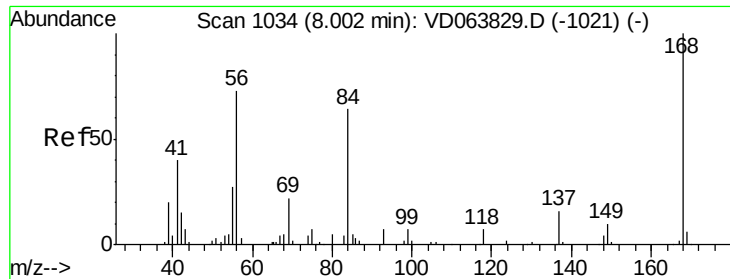
85 63.7 53.4 80.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

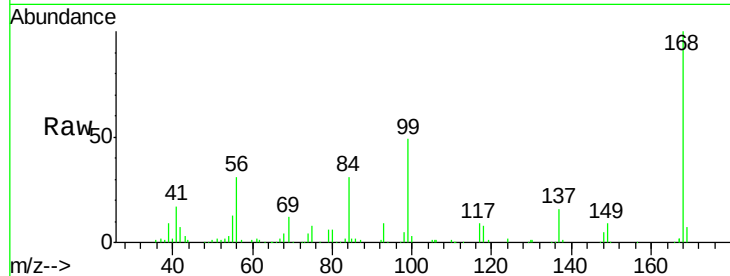




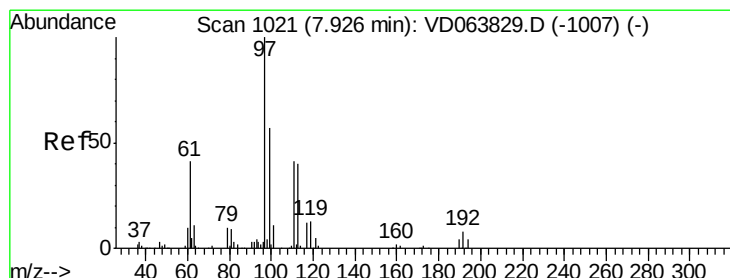
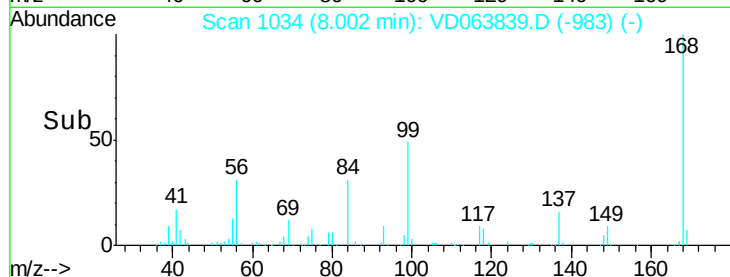
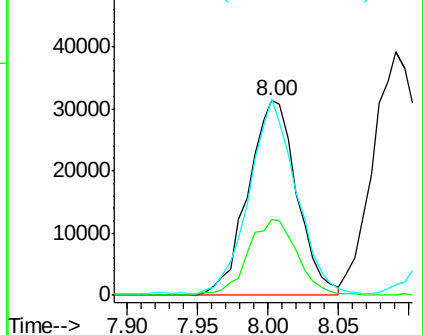
#31
Cyclohexane
Concen: 19.817 ug/l
RT: 8.00 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

Tot Ion: 56 Resp: 75984
Ion Ratio Lower Upper
56 100
69 38.8 23.1 34.7#
84 99.7 69.7 104.5

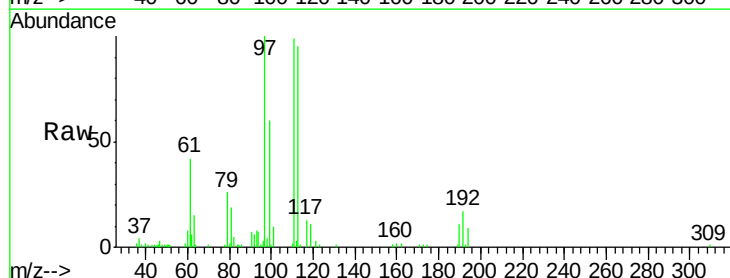


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

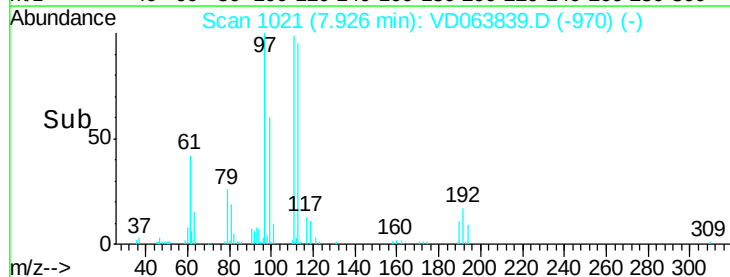
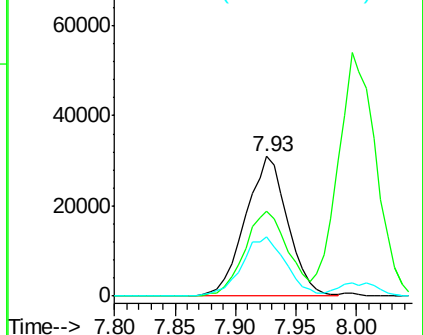


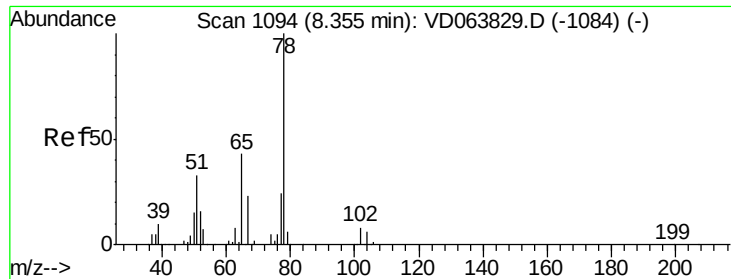
#32
1,1,1-Trichloroethane
Concen: 19.968 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 97 Resp: 75329
Ion Ratio Lower Upper
97 100
99 62.6 52.9 79.3
61 44.1 35.8 53.8



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

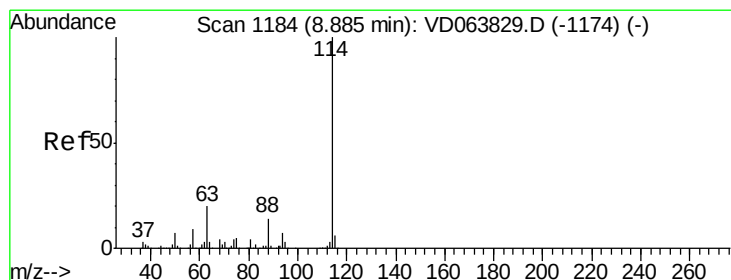
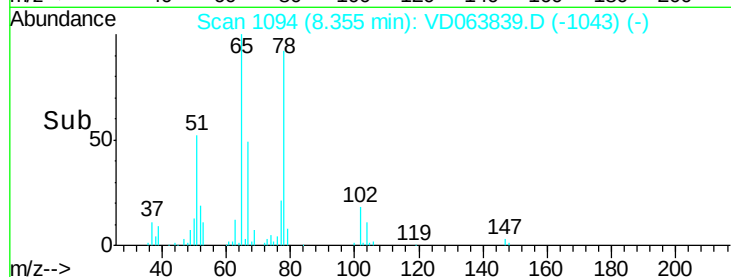
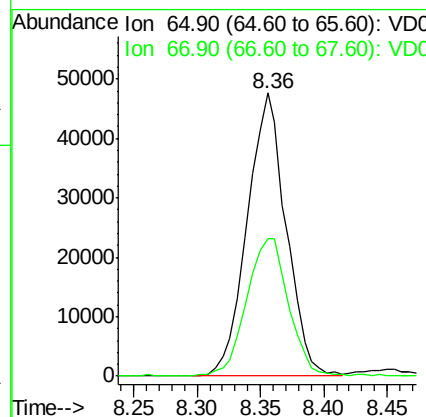
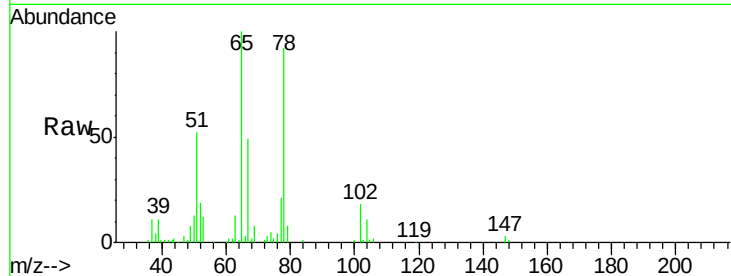




#33
 1,2-Dichloroethane-d4
 Concen: 47.524 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

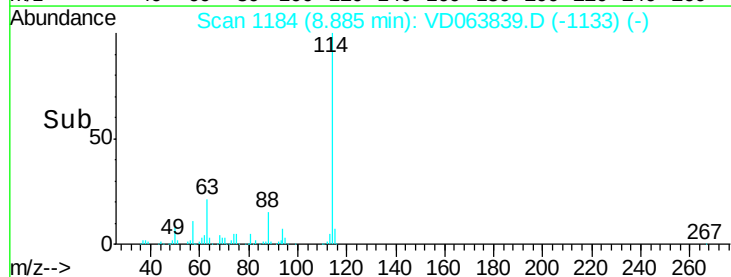
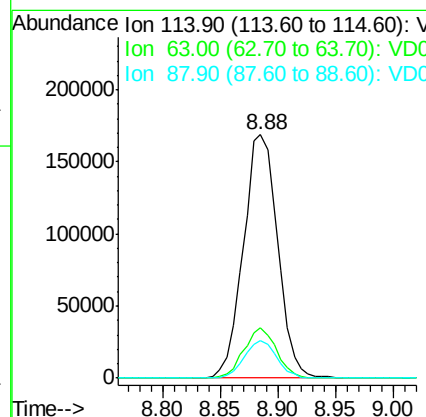
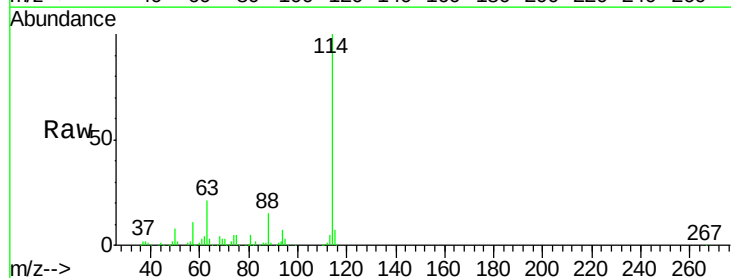
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

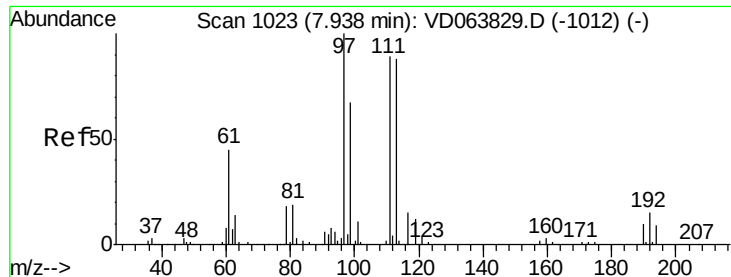
Tot Ion: 65 Resp: 101491
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.88 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion: 114 Resp: 350052
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.2
 88 15.2 0.0 28.4

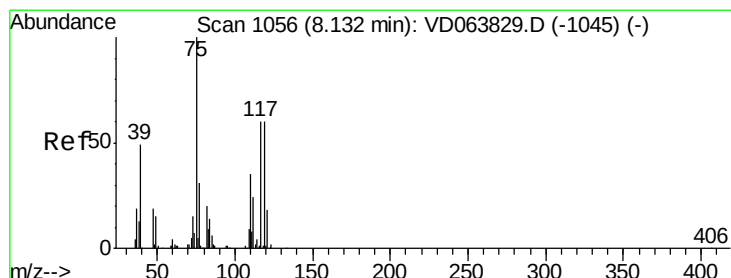
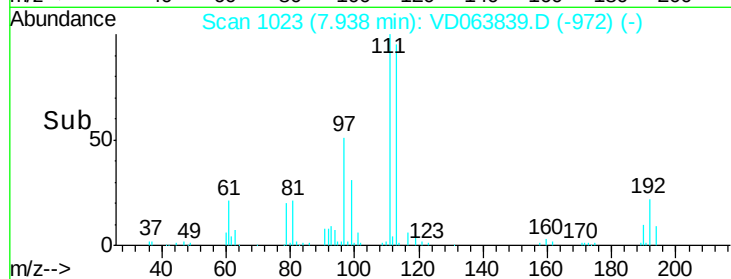
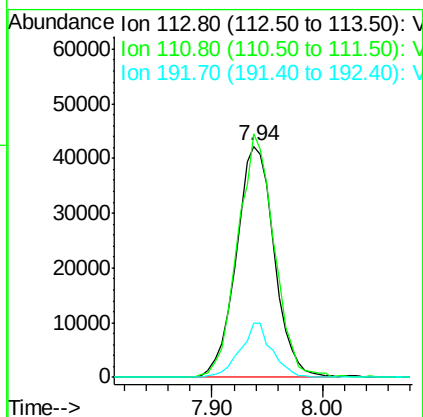
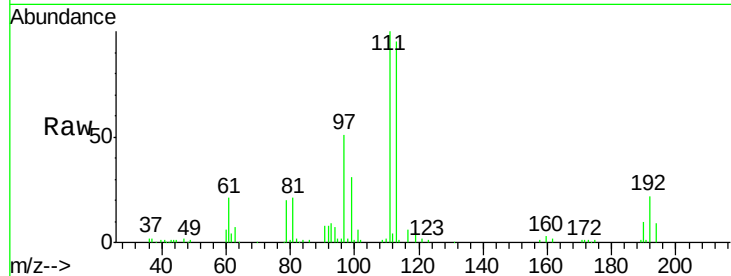




#35
 Dibromofluoromethane
 Concen: 45.948 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

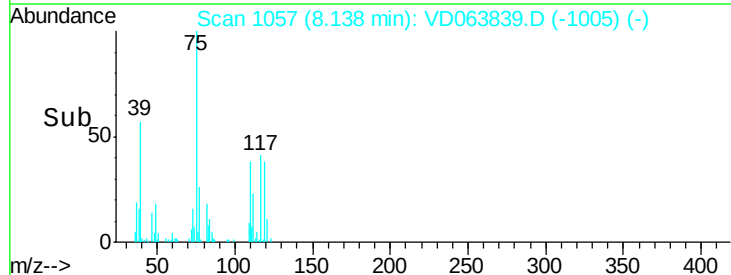
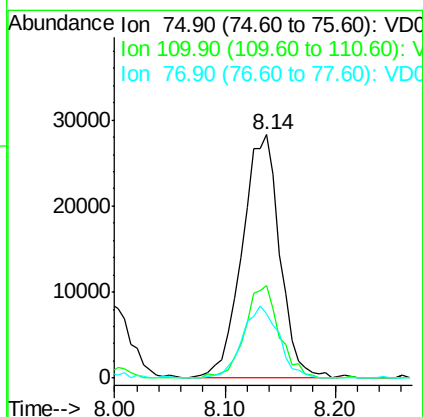
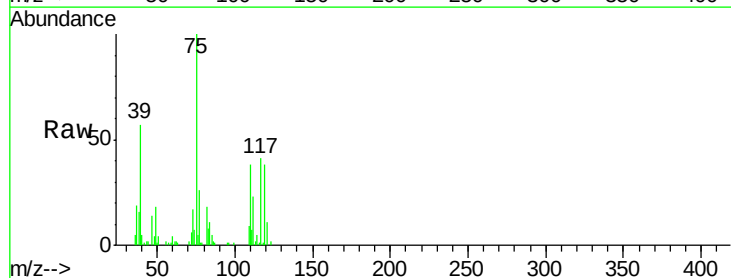
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

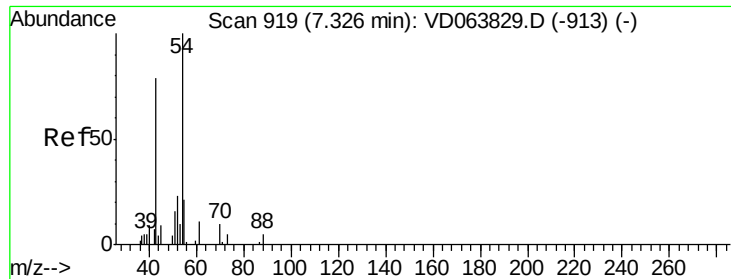
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	77.7	116.5
192	19.6	15.9	23.9



#36
 1,1-Dichloropropene
 Concen: 21.238 ug/l
 RT: 8.14 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.5	52.5
77	28.7	24.9	37.3

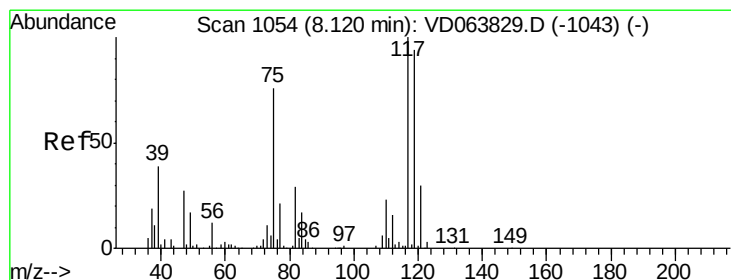
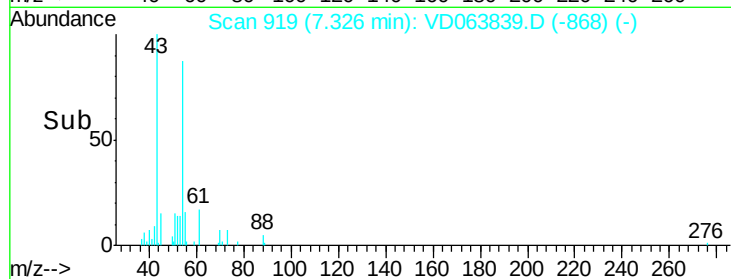
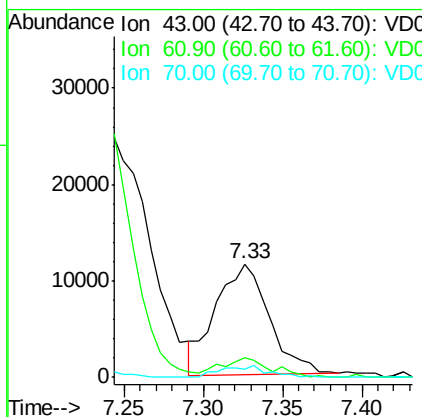
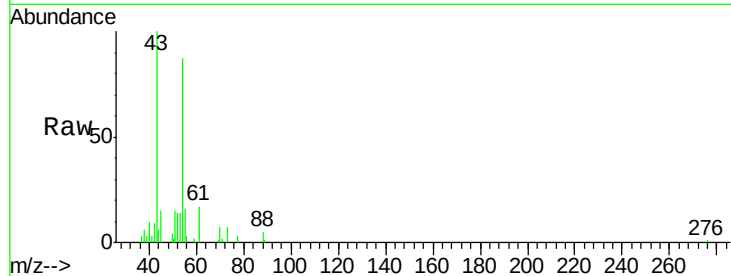




#37
Ethyl Acetate
Concen: 20.281 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

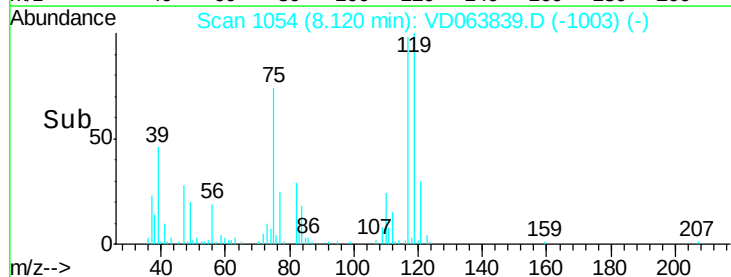
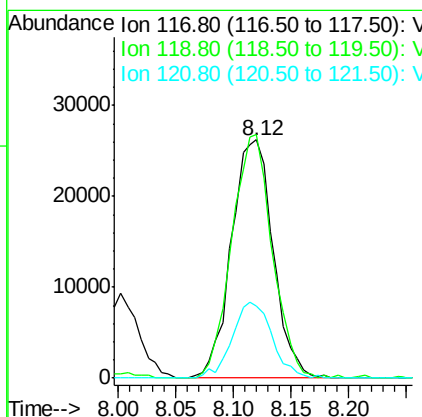
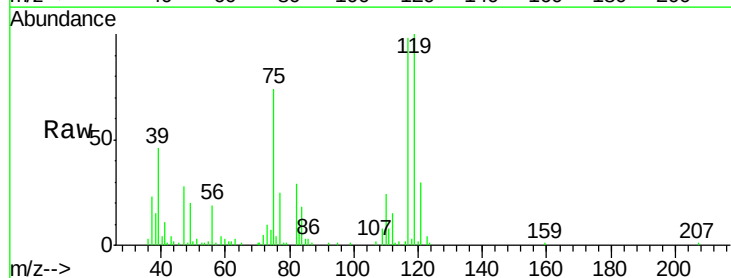
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

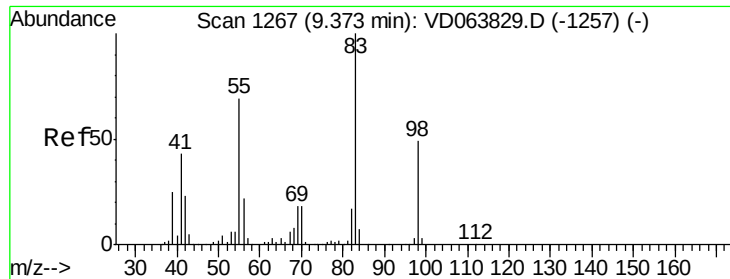
Tot Ion: 43 Resp: 27046
Ion Ratio Lower Upper
43 100
61 16.2 12.7 19.1
70 9.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 19.766 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 117 Resp: 65689
Ion Ratio Lower Upper
117 100
119 102.3 75.2 112.8
121 30.3 23.9 35.9

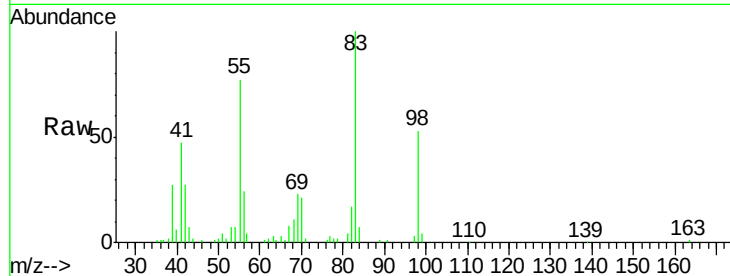




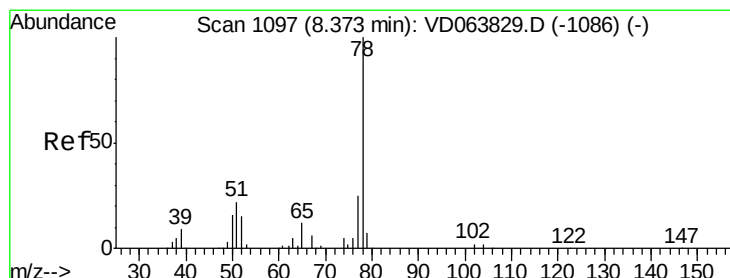
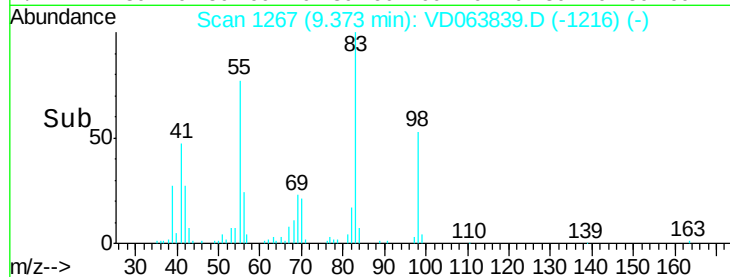
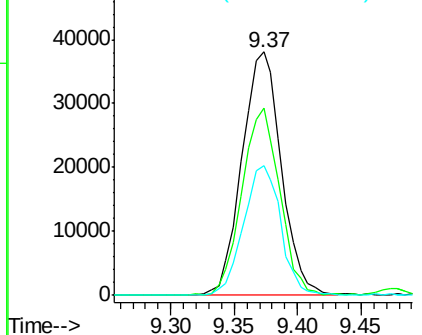
#39
Methylvlcyclohexane
Concen: 20.672 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

Tot Ion: 83 Resp: 82186
Ion Ratio Lower Upper
83 100
55 76.8 54.9 82.3
98 53.2 39.0 58.6

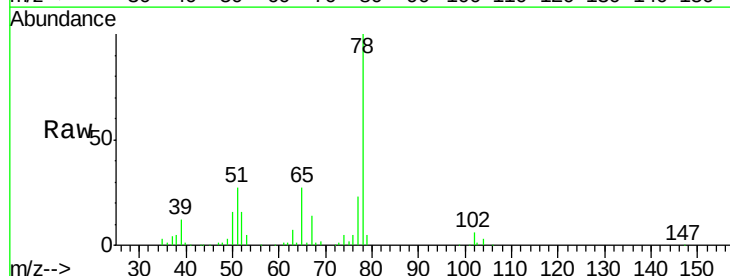


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

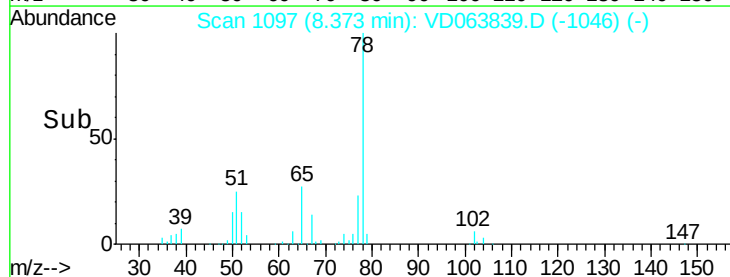
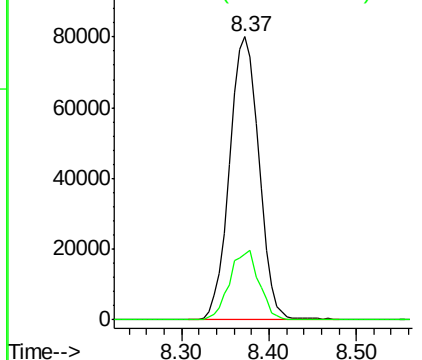


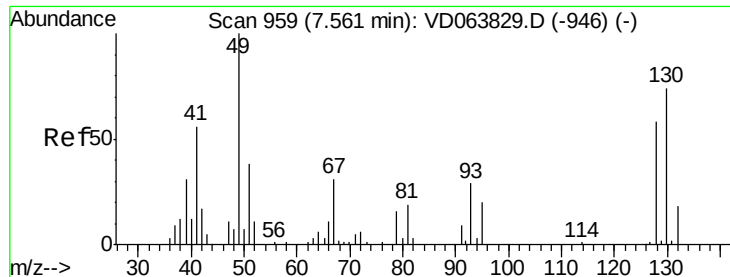
#40
Benzene
Concen: 20.815 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 78 Resp: 183041
Ion Ratio Lower Upper
78 100
77 23.1 19.8 29.6



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





#41

Methacrylonitrile

Concen: 19.678 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

Tot Ion: 41 Resp: 15498

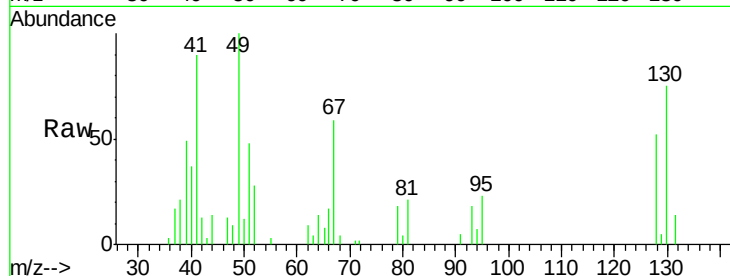
Ion Ratio Lower Upper

41 100

39 61.9 52.2 78.4

67 81.2 58.6 87.8

52 33.4 26.6 39.8

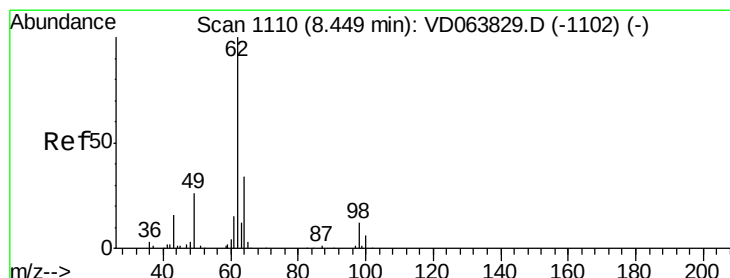
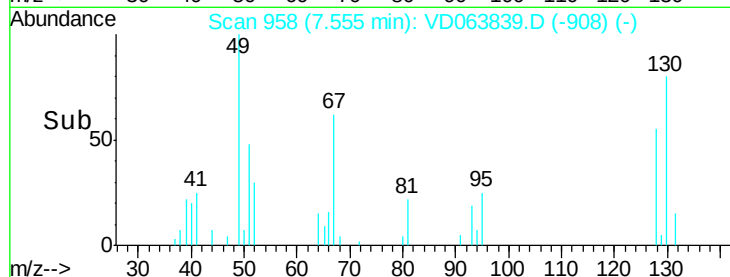
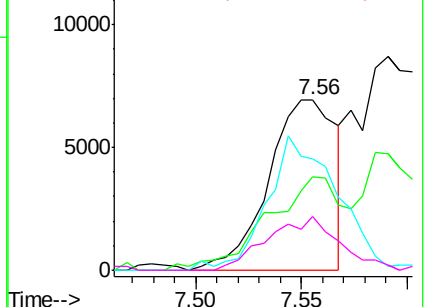


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.725 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD063839.D

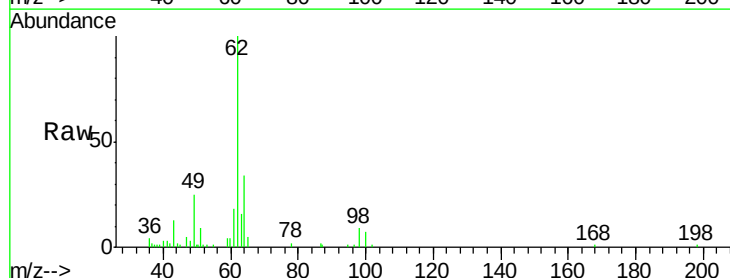
Acq: 26 Sep 2019 15:57

Tgt Ion: 62 Resp: 50721

Ion Ratio Lower Upper

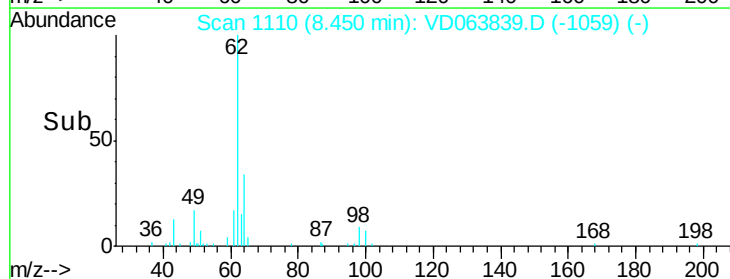
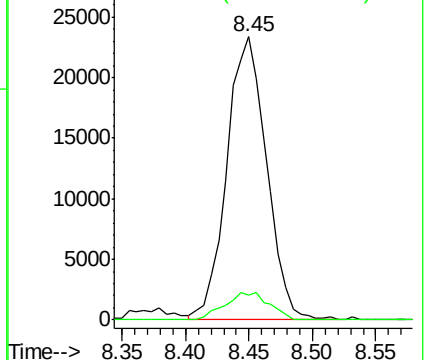
62 100

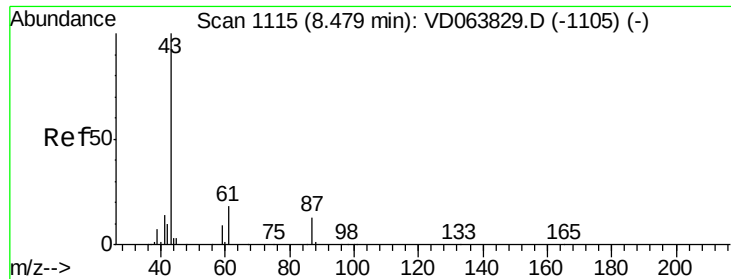
98 10.7 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.347 ug/l

RT: 8.47 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

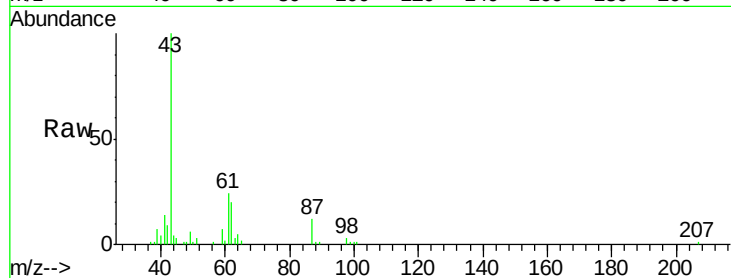
Tot Ion: 43 Resp: 57068

Ion Ratio Lower Upper

43 100

61 30.4 24.6 37.0

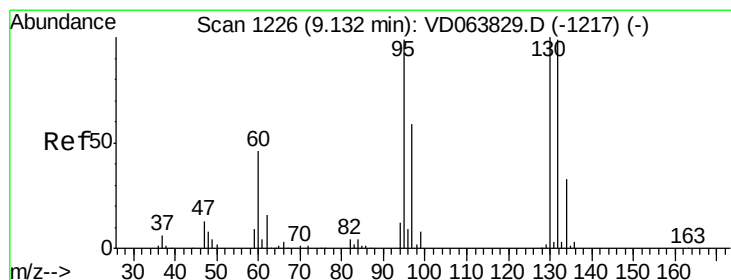
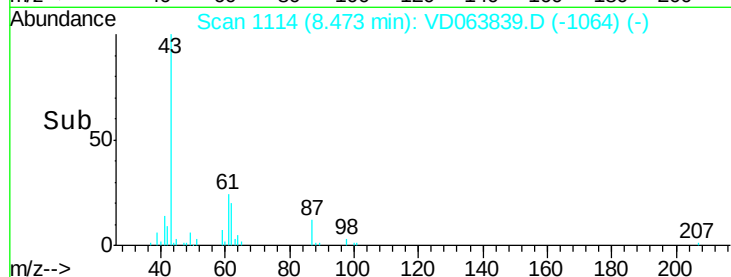
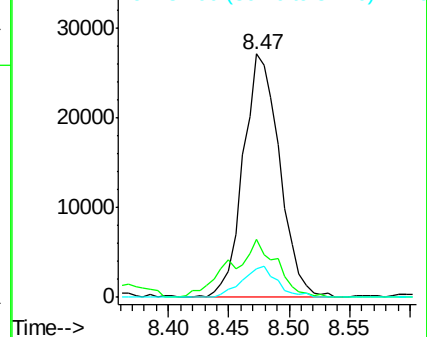
87 12.2 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.998 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VD063839.D

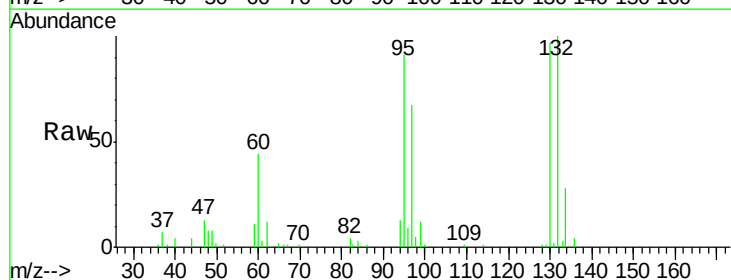
Acq: 26 Sep 2019 15:57

Tgt Ion: 130 Resp: 53474

Ion Ratio Lower Upper

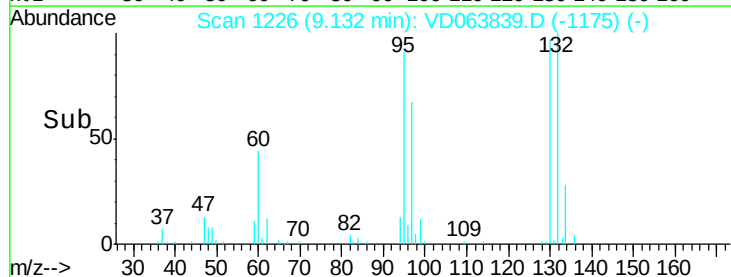
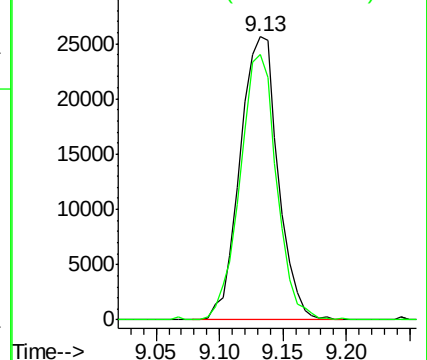
130 100

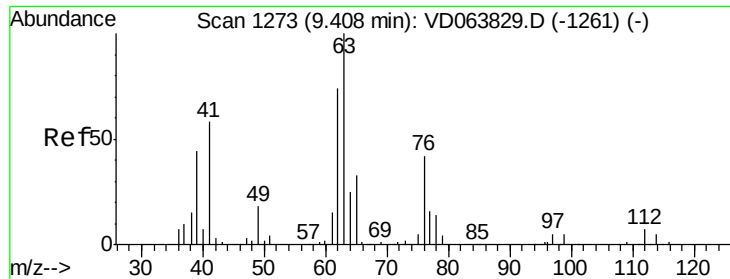
95 93.6 0.0 198.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

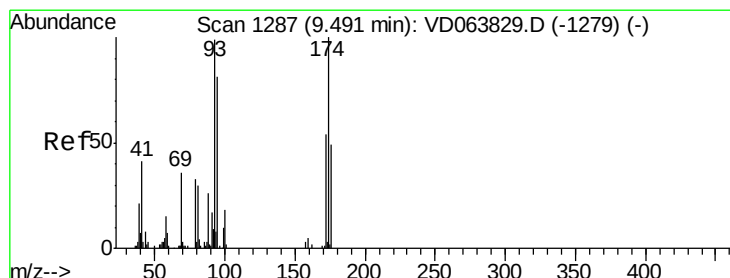
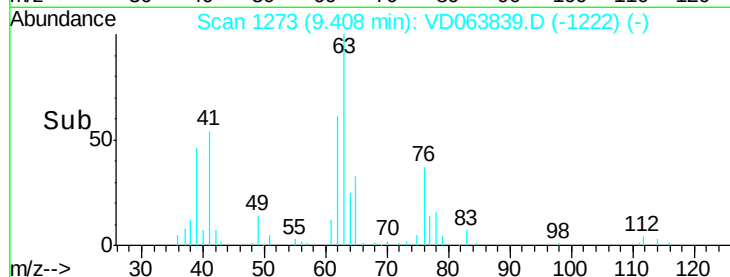
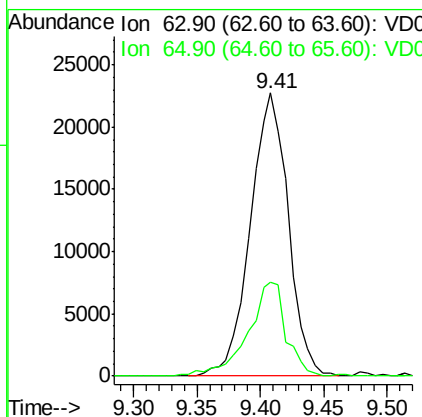
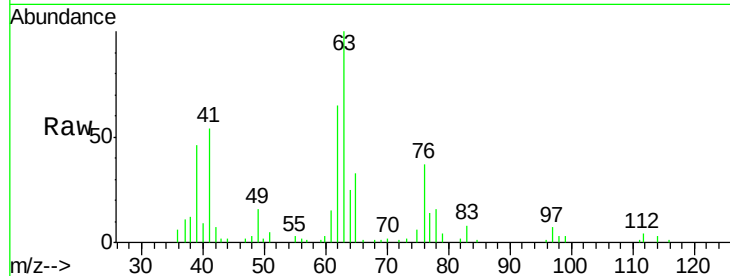




#45
 1,2-Dichloropropane
 Concen: 21.779 ug/l
 RT: 9.41 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

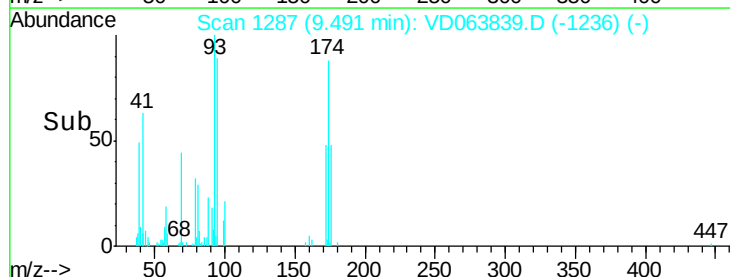
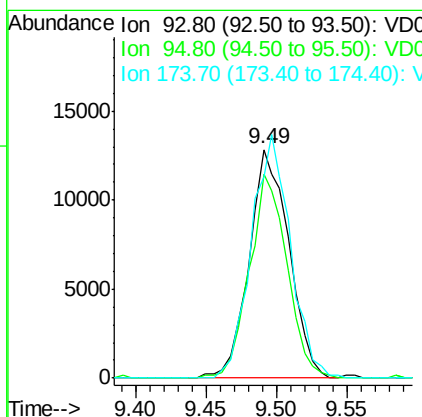
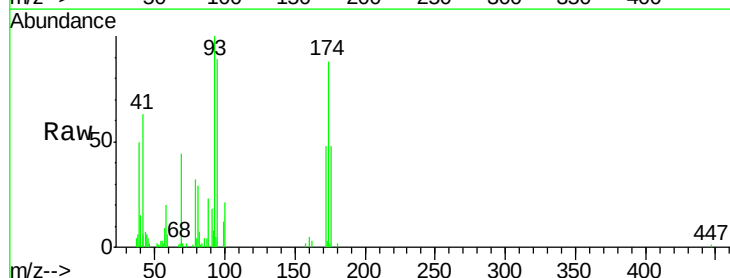
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

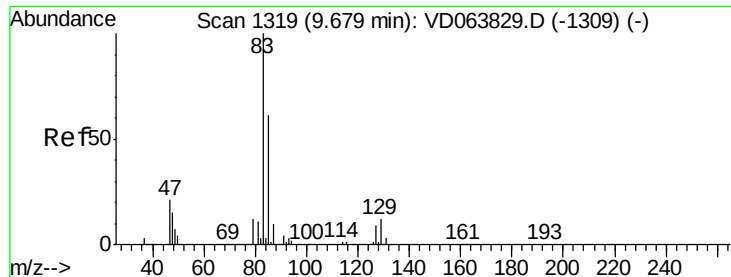
Tot Ion: 63 Resp: 47308
 Ion Ratio Lower Upper
 63 100
 65 32.4 26.8 40.2



#46
 Dibromomethane
 Concen: 20.659 ug/l
 RT: 9.49 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion: 93 Resp: 25328
 Ion Ratio Lower Upper
 93 100
 95 84.8 63.8 95.8
 174 104.7 84.2 126.2

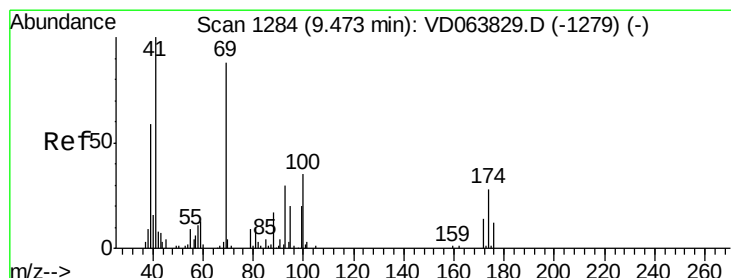
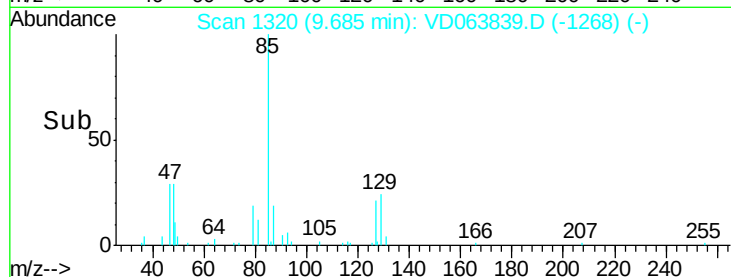
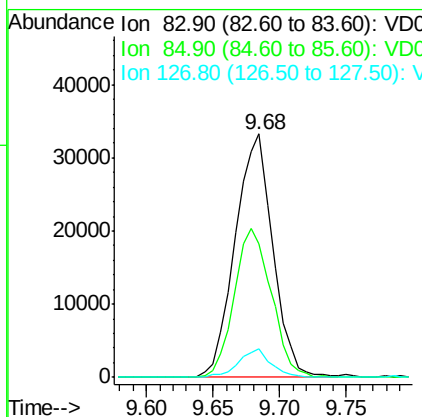
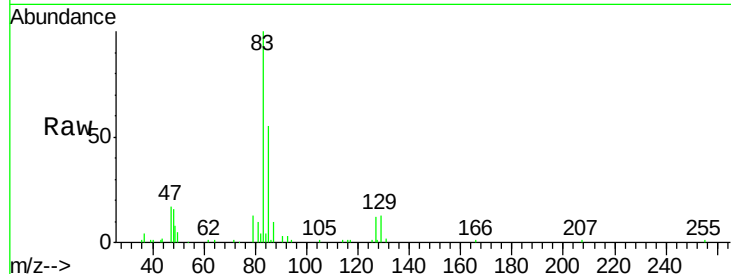




#47
Bromodichloromethane
Concen: 20.564 ug/l
RT: 9.68 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

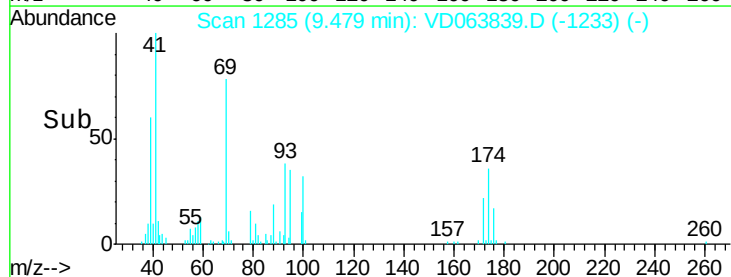
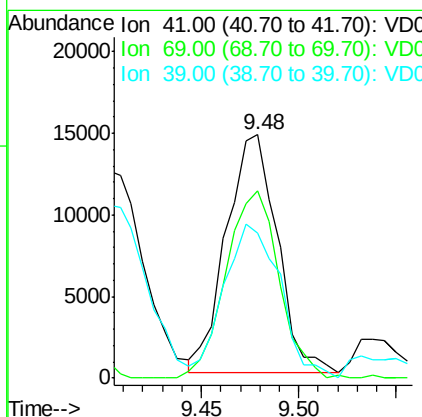
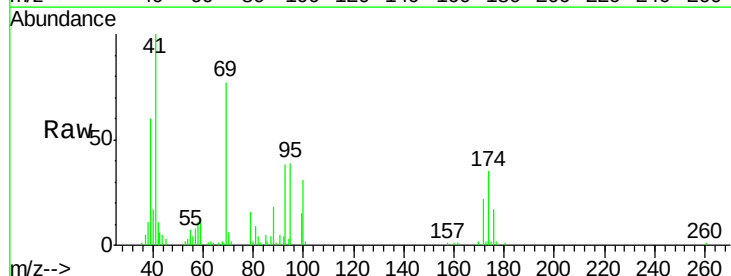
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

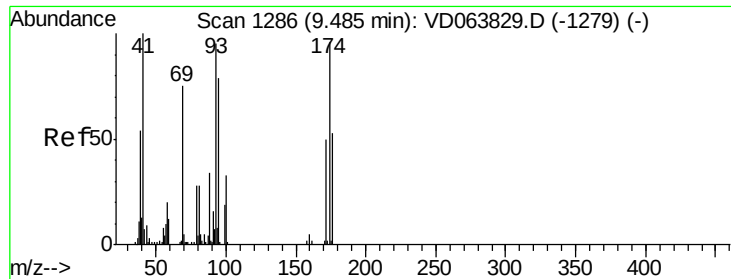
Tot Ion: 83 Resp: 64993
Ion Ratio Lower Upper
83 100
85 54.7 48.6 73.0
127 11.6 6.9 10.3#



#48
Methyl methacrylate
Concen: 21.715 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 41 Resp: 26403
Ion Ratio Lower Upper
41 100
69 81.8 71.7 107.5
39 71.4 51.7 77.5

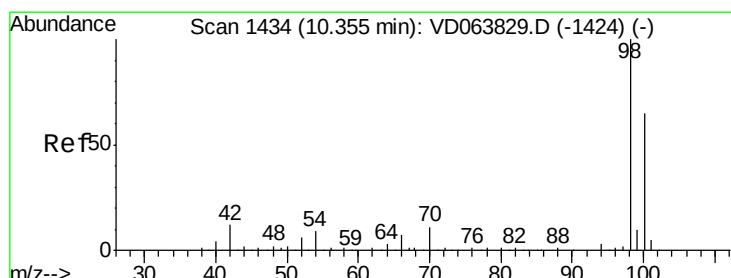
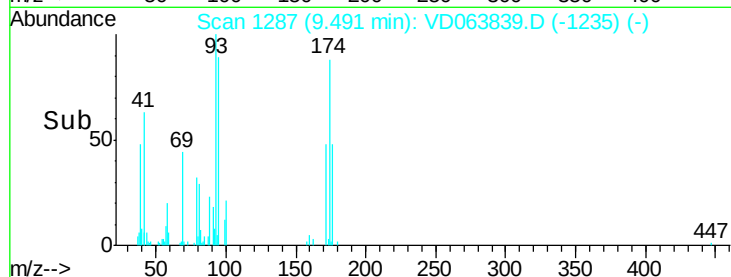
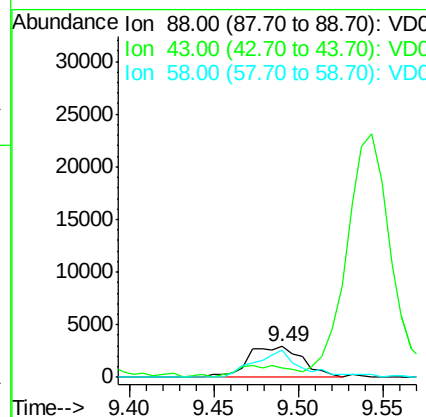
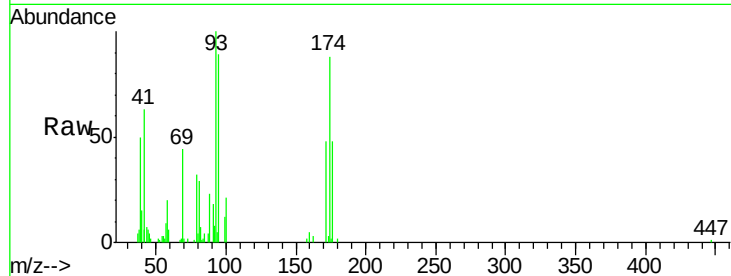




#49
1,4-Dioxane
Concen: 389.625 ug/l
RT: 9.49 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

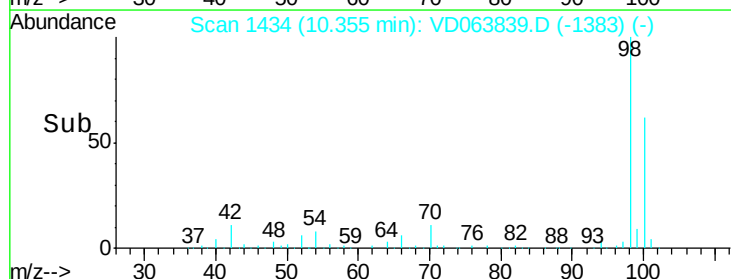
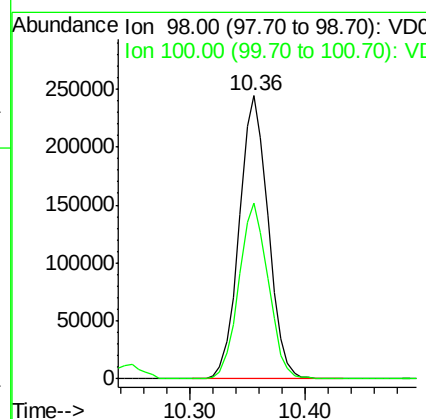
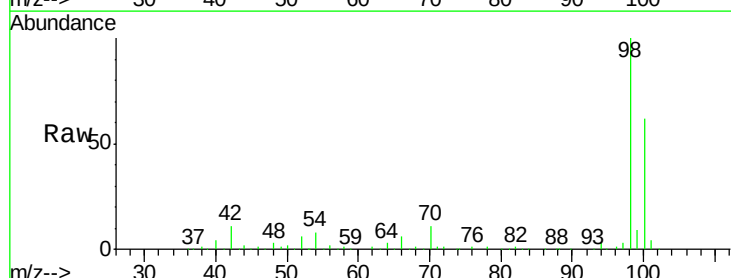
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

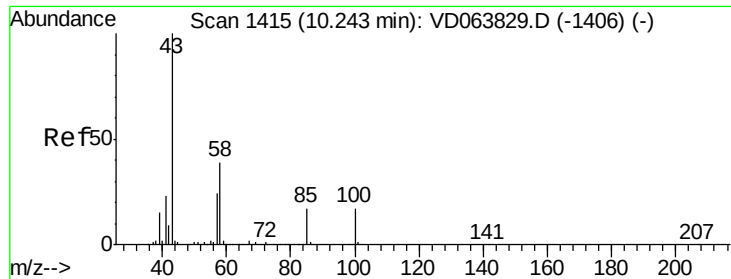
Tot Ion: 88 Resp: 6664
Ion Ratio Lower Upper
88 100
43 37.6 25.8 38.6
58 69.6 55.9 83.9



#50
Toluene-d8
Concen: 50.739 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 98 Resp: 424417
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4

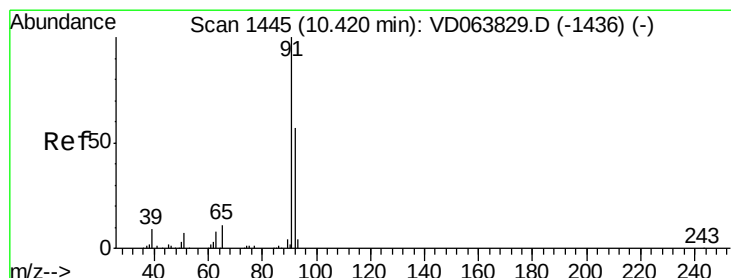
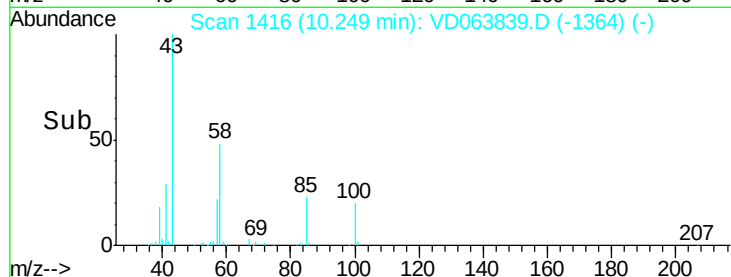
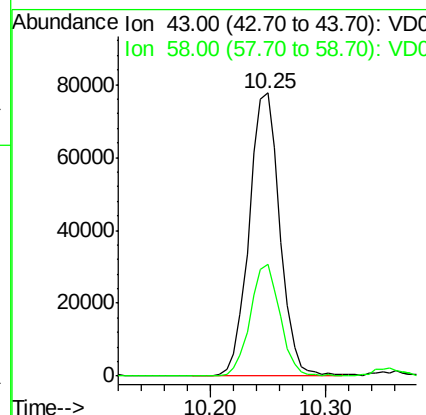
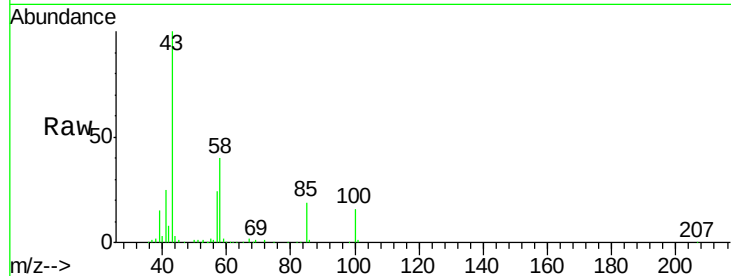




#51
 4-Methyl-2-Pentanone
 Concen: 107.074 ug/l
 RT: 10.25 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

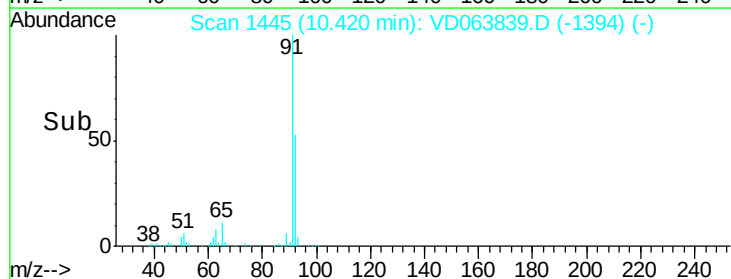
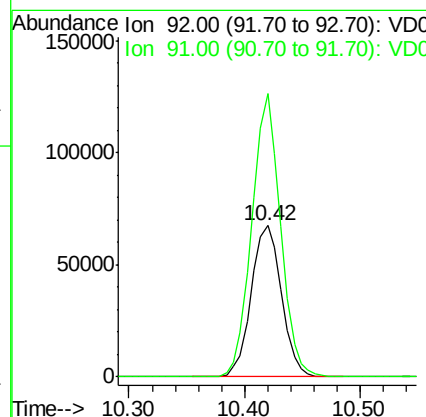
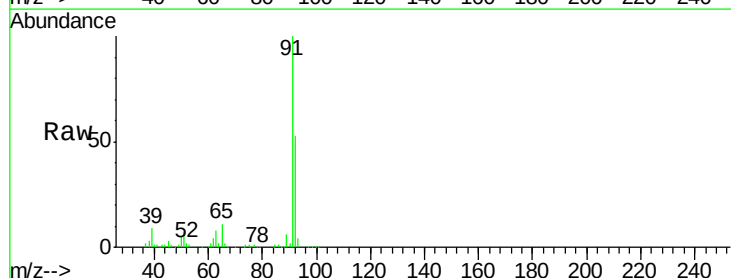
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

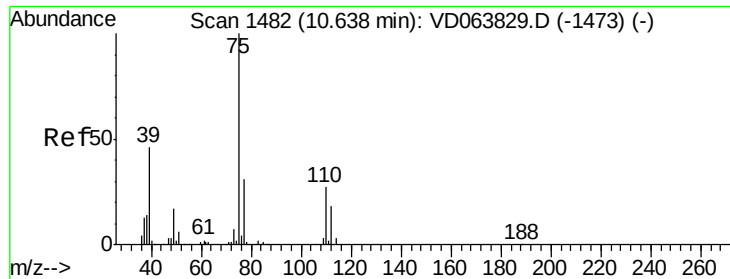
Tot Ion: 43 Resp: 144205
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3



#52
 Toluene
 Concen: 20.758 ug/l
 RT: 10.42 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion: 92 Resp: 123770
 Ion Ratio Lower Upper
 92 100
 91 176.9 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 20.885 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

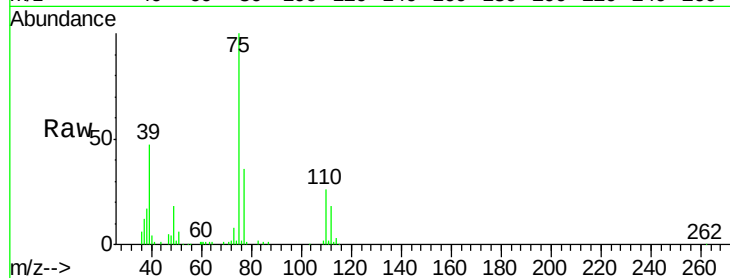
VD0926SBSD01

Tot Ion: 75 Resp: 65427

Ion Ratio Lower Upper

75 100

77 36.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.64

40000

30000

20000

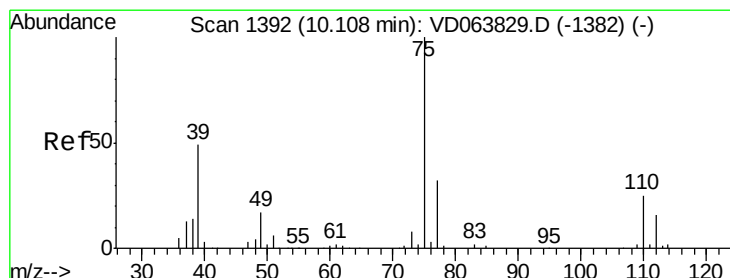
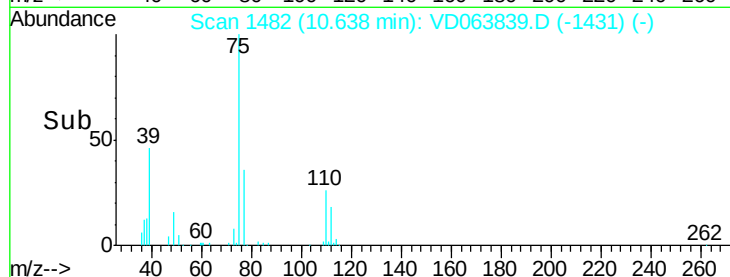
10000

0

10.60

10.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.013 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

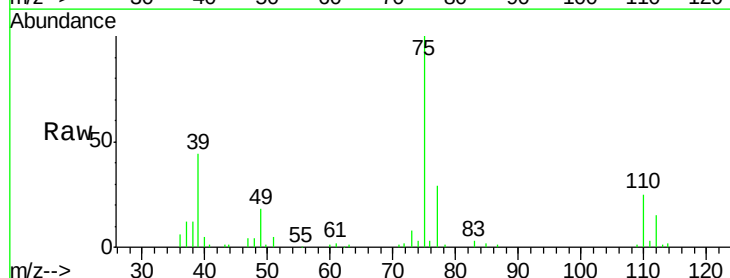
Tgt Ion: 75 Resp: 74725

Ion Ratio Lower Upper

75 100

77 29.1 25.8 38.8

39 44.4 39.5 59.3



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

10.11

50000

40000

30000

20000

10000

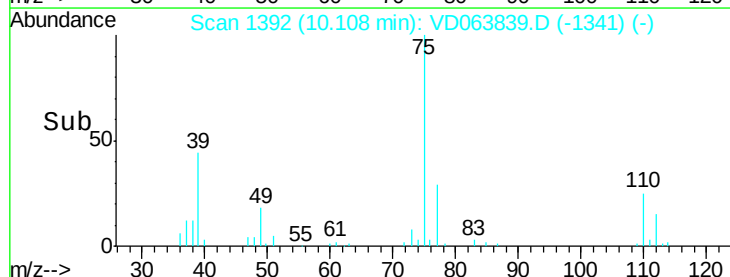
0

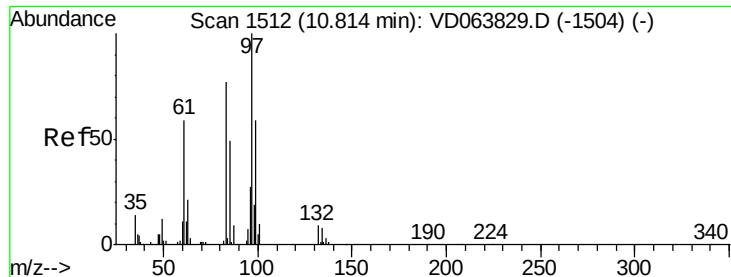
10.00

10.10

10.20

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.272 ug/l

RT: 10.81 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

Tot Ion: 97 Resp: 35119

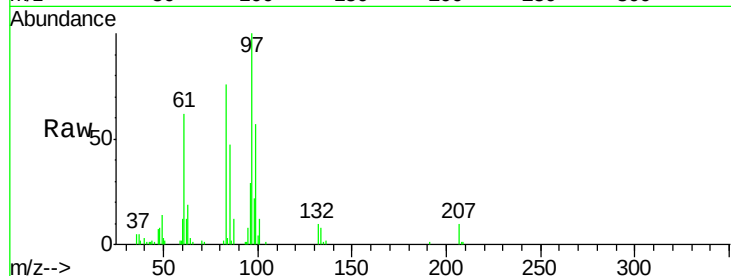
Ion	Ratio	Lower	Upper
97	100		
83	75.7	61.9	92.9
85	47.3	39.4	59.2
99	56.9	47.3	70.9

97 100

83 75.7 61.9 92.9

85 47.3 39.4 59.2

99 56.9 47.3 70.9



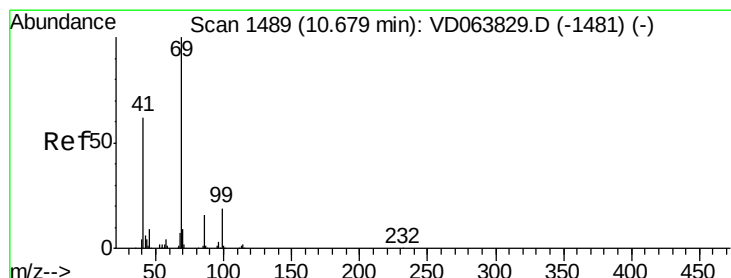
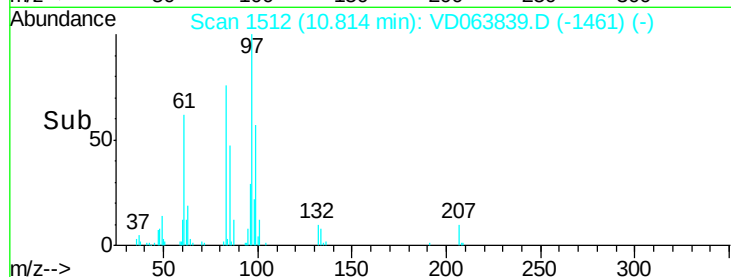
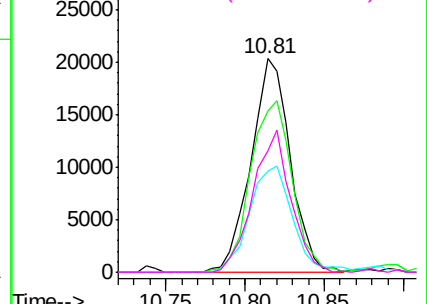
Abundance

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: 20.938 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

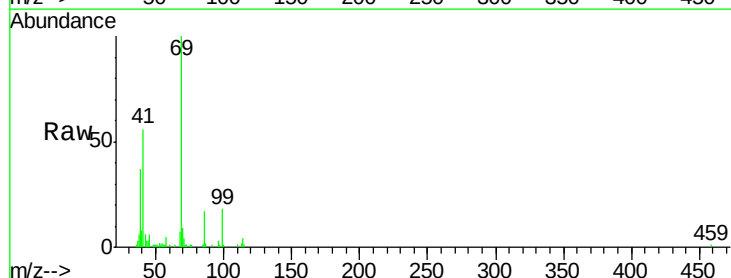
Tgt Ion: 69 Resp: 46102

Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.2	78.4
39	35.9	28.7	43.1

69 100

41 63.0 52.2 78.4

39 35.9 28.7 43.1

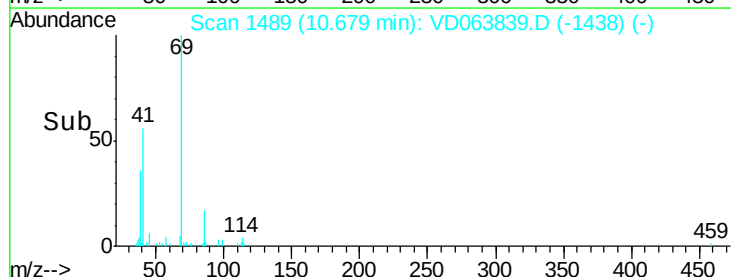
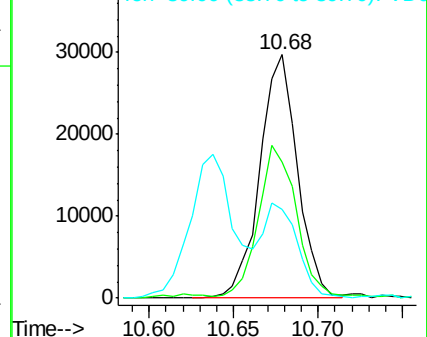


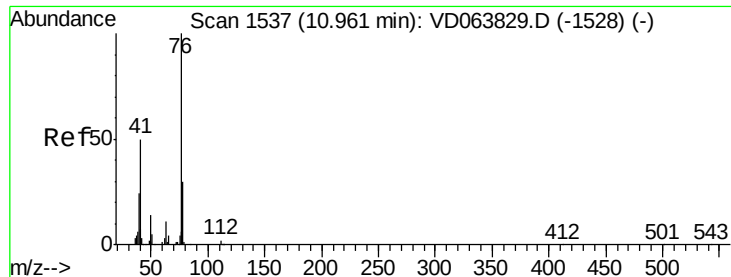
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

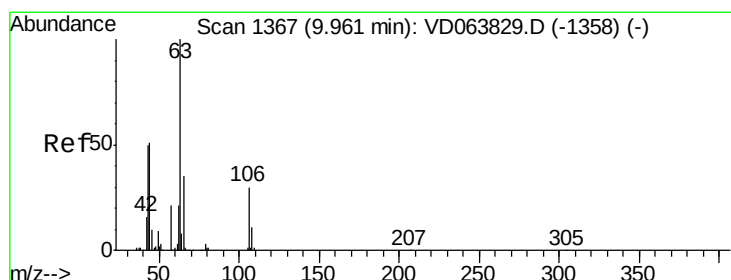
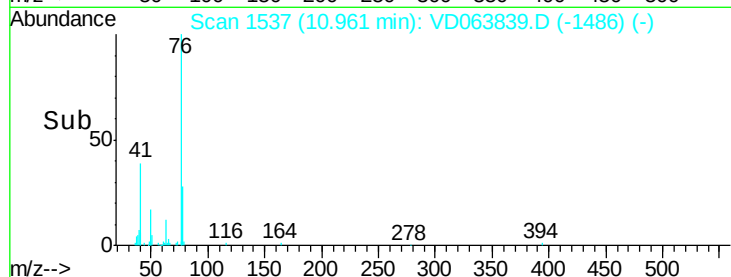
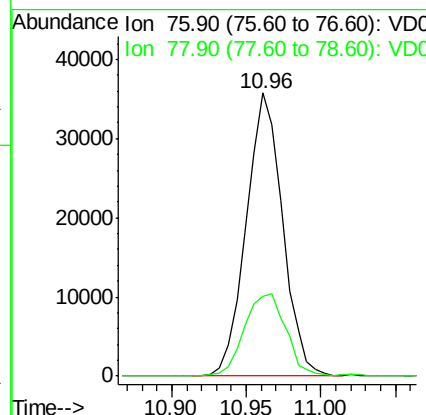
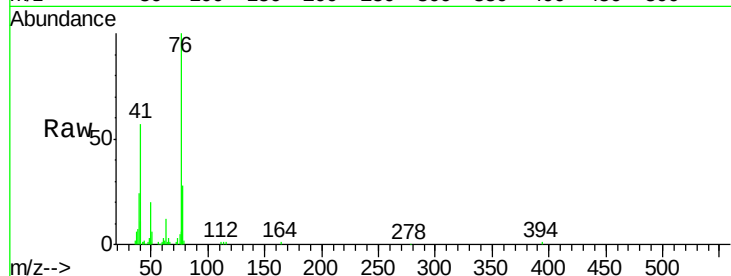




#57
 1,3-Dichloropropane
 Concen: 20.396 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

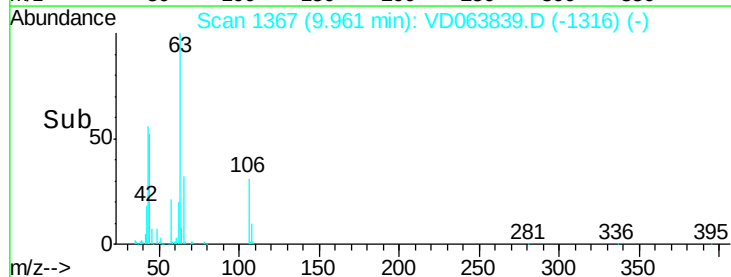
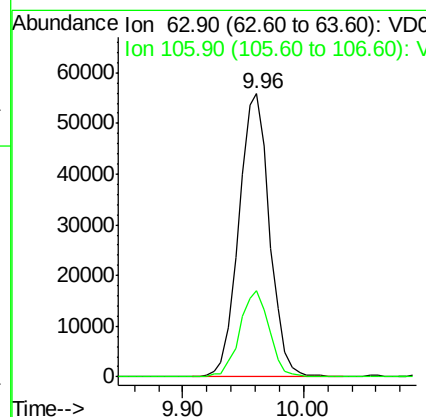
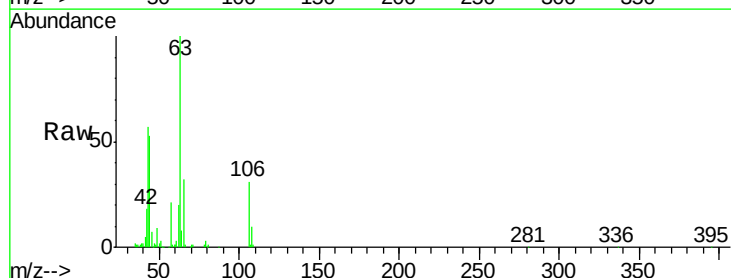
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

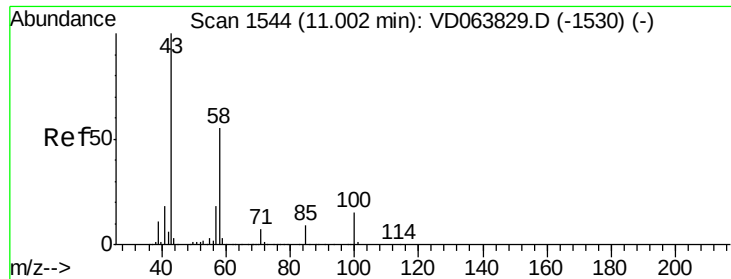
Tot Ion: 76 Resp: 60037
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.280 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion: 63 Resp: 98689
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.4 35.0

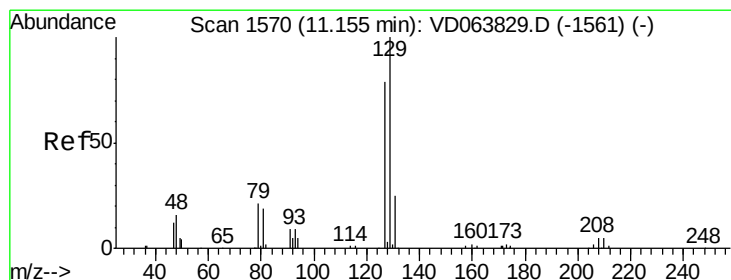
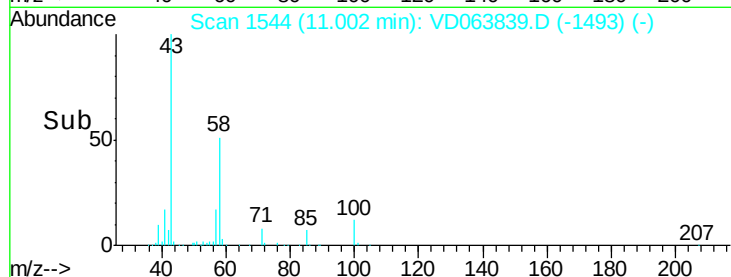
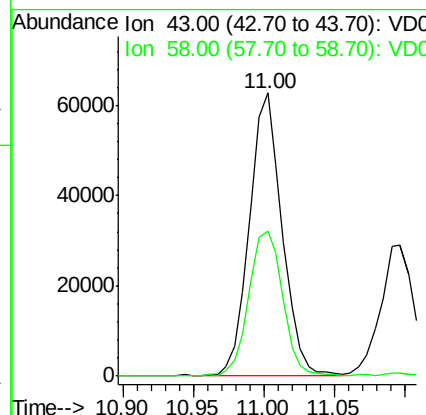
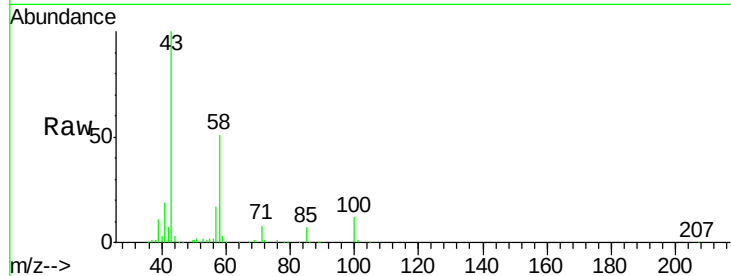




#59
2-Hexanone
Concen: 106.437 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

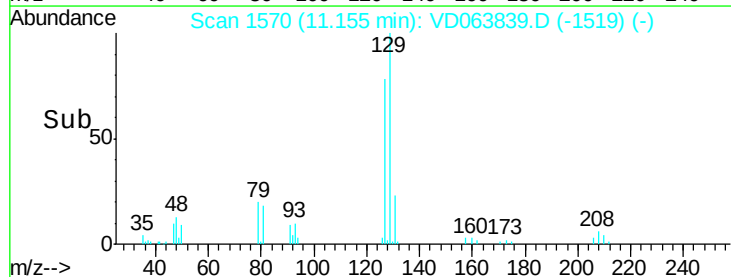
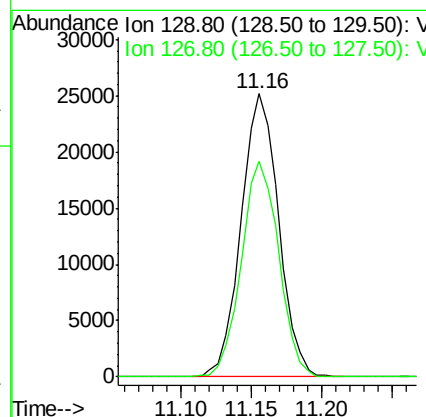
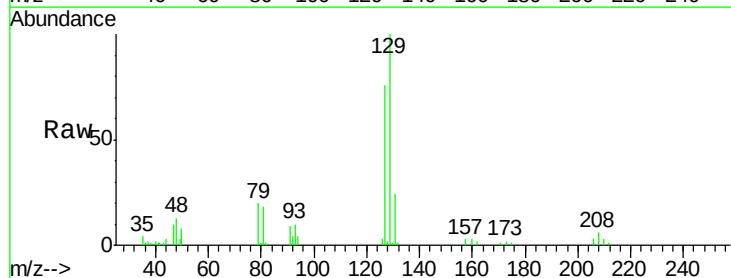
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

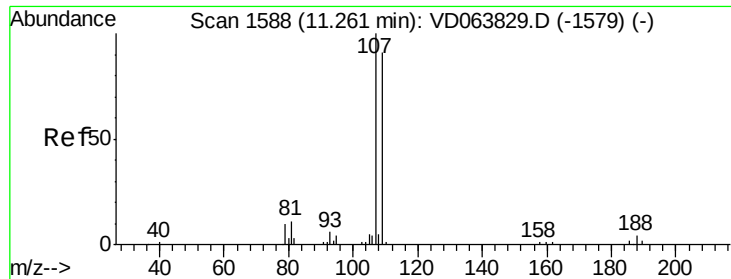
Tot Ion: 43 Resp: 102279
Ion Ratio Lower Upper
43 100
58 53.4 27.6 82.7



#60
Dibromochloromethane
Concen: 20.498 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion: 129 Resp: 46864
Ion Ratio Lower Upper
129 100
127 75.8 38.8 116.3

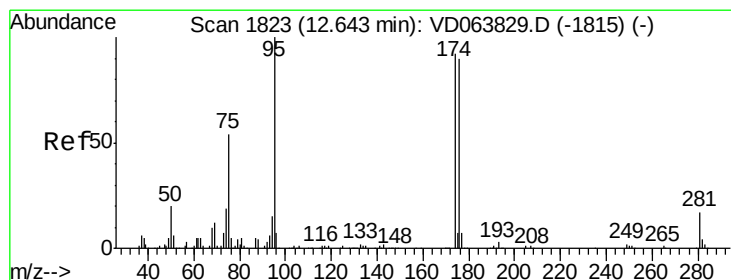
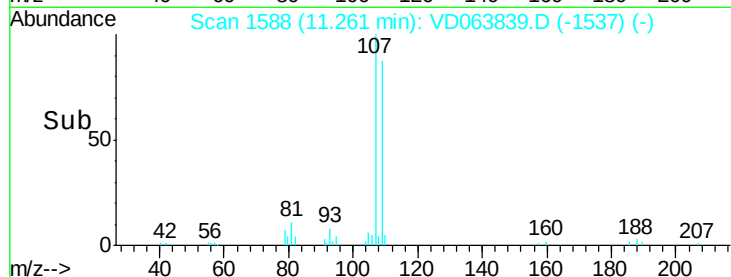
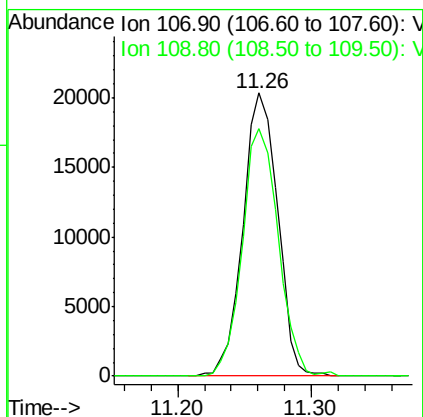
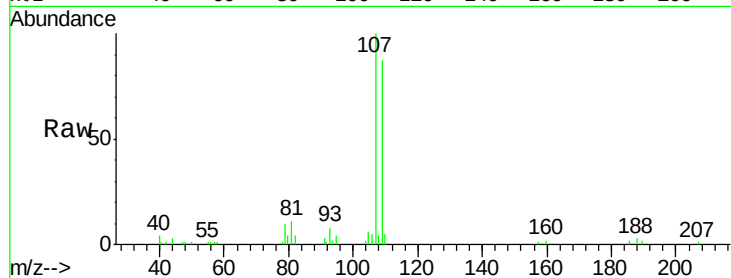




#61
 1,2-Dibromoethane
 Concen: 21.063 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

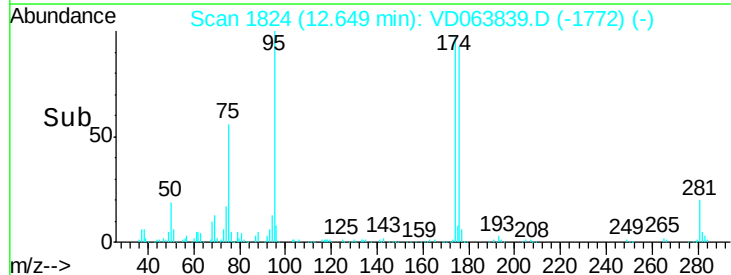
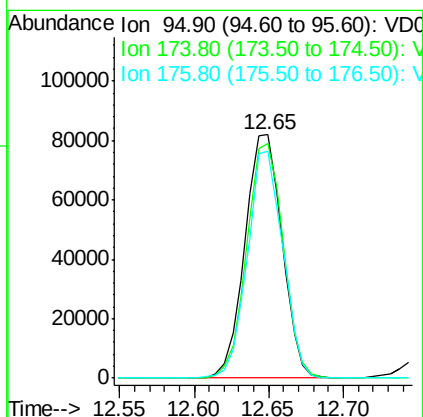
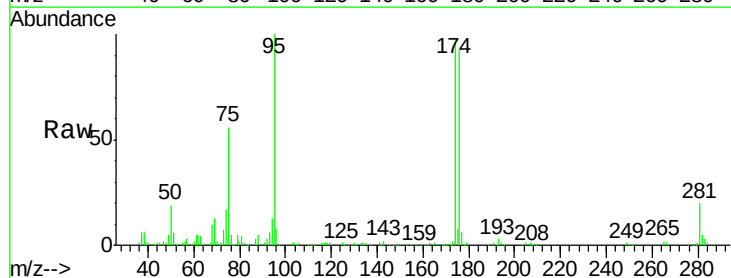
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

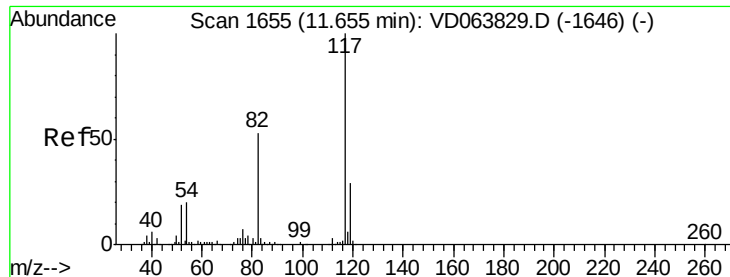
Tot Ion:107 Resp: 36478
 Ion Ratio Lower Upper
 107 100
 109 91.0 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 46.946 ug/l
 RT: 12.65 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion: 95 Resp: 140925
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 183.2
 176 89.2 0.0 177.4

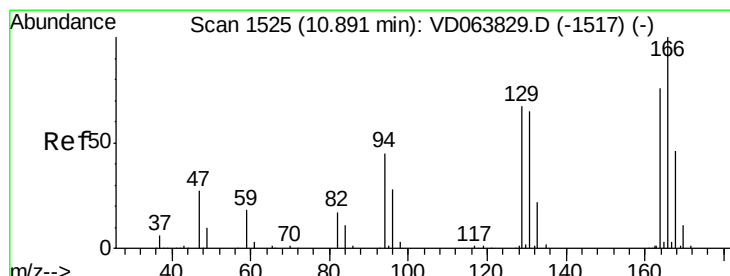
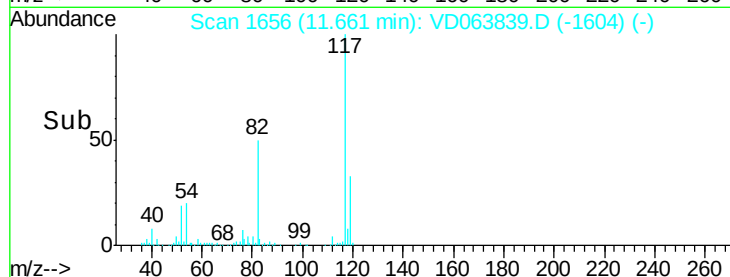
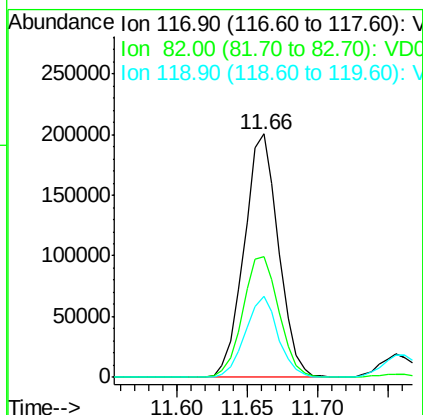
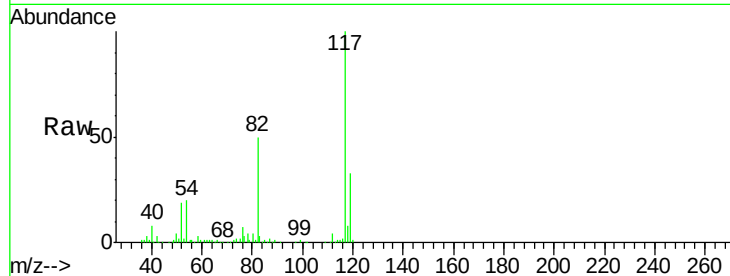




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

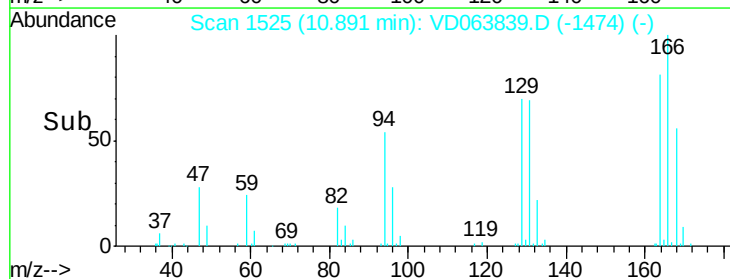
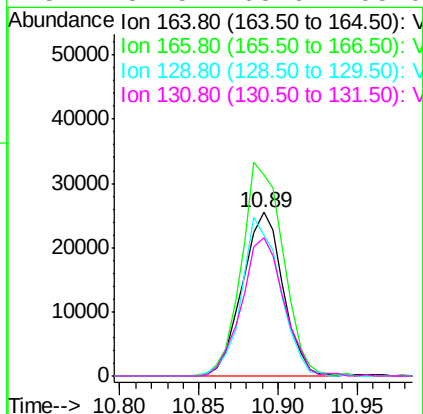
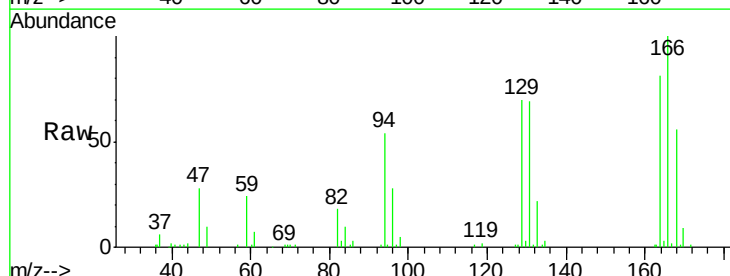
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

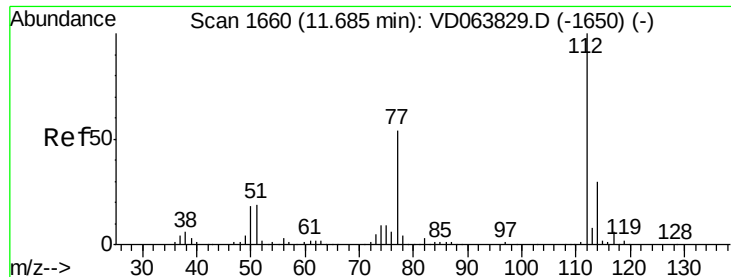
Tot Ion:117 Resp: 342528
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 33.3 23.5 35.3



#64
Tetrachloroethene
Concen: 19.687 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion:164 Resp: 45423
Ion Ratio Lower Upper
164 100
166 123.2 105.5 158.3
129 86.6 70.2 105.4
131 84.5 68.6 103.0





#65

Chlorobenzene

Concen: 20.701 ug/l

RT: 11.68 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

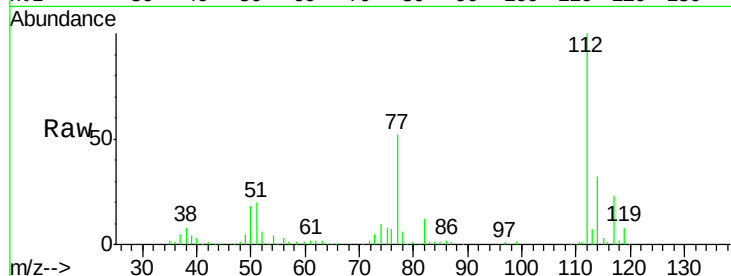
VD0926SBSD01

Tot Ion:112 Resp: 142632

Ion Ratio Lower Upper

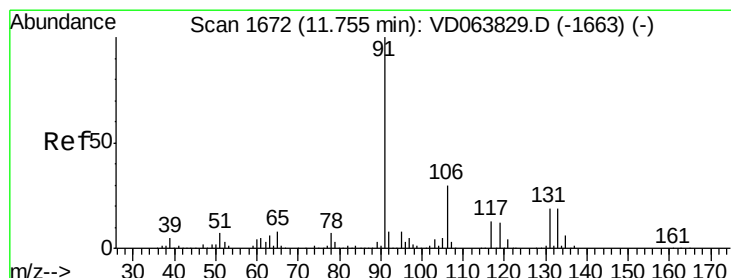
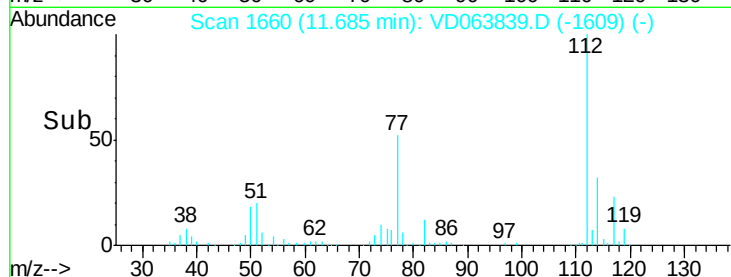
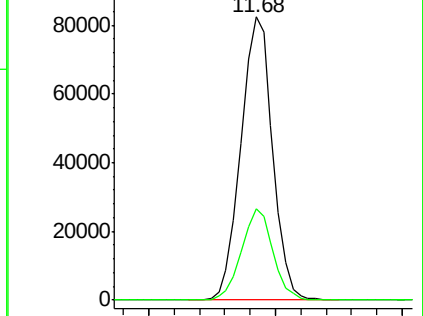
112 100

114 32.2 24.2 36.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.225 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

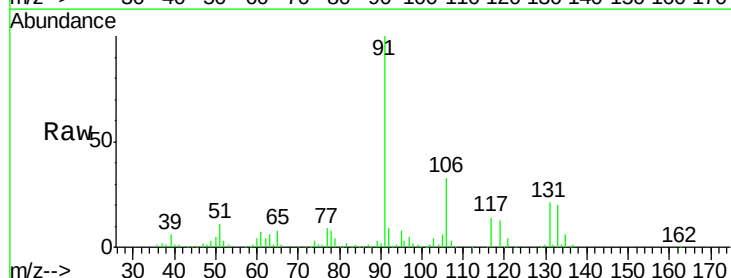
Tgt Ion:131 Resp: 48681

Ion Ratio Lower Upper

131 100

133 100.1 47.4 142.3

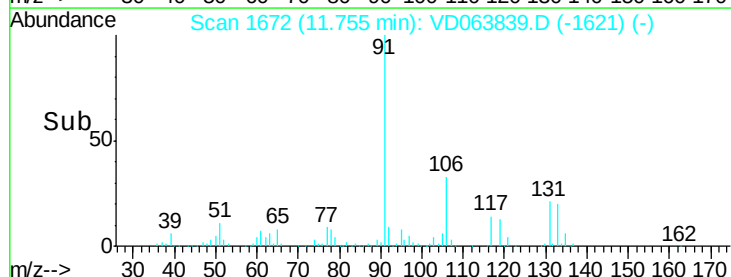
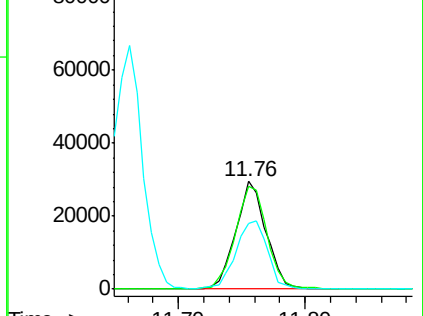
119 66.6 31.6 94.8

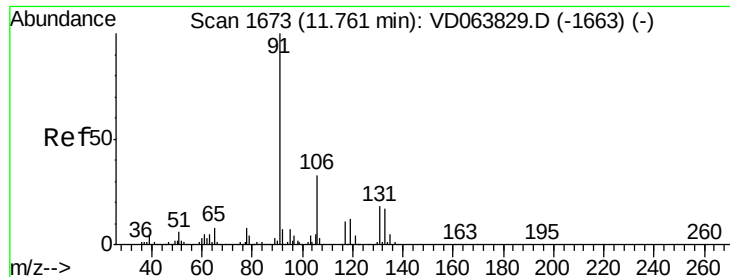


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.067 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

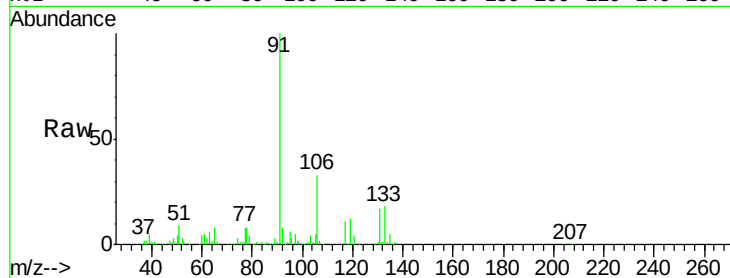
VD0926SBSD01

Tot Ion: 91 Resp: 249750

Ion Ratio Lower Upper

91 100

106 33.0 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

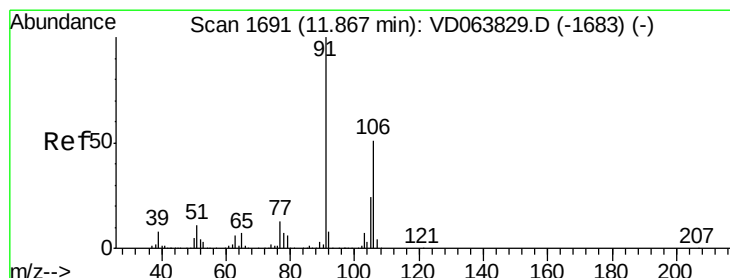
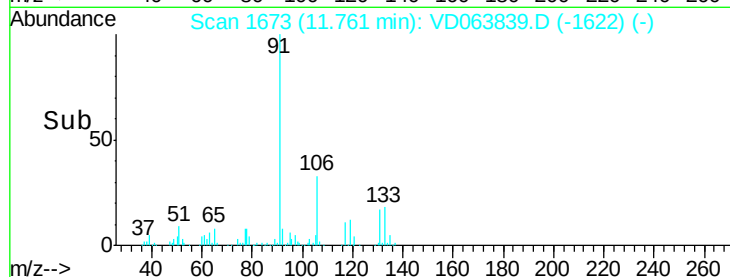
11.76

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 41.225 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063839.D

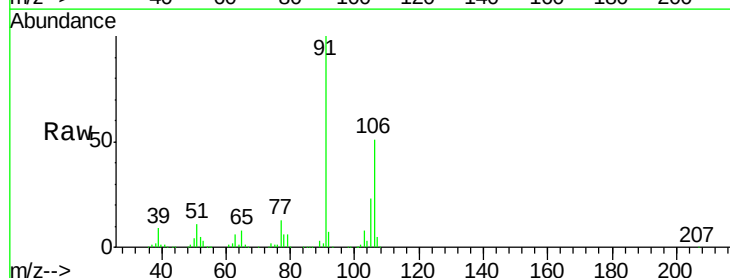
Acq: 26 Sep 2019 15:57

Tgt Ion: 106 Resp: 197028

Ion Ratio Lower Upper

106 100

91 198.1 157.6 236.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

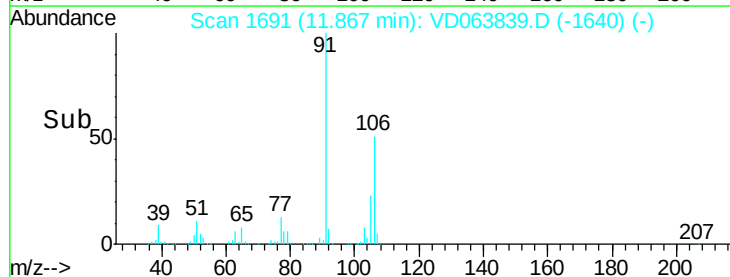
11.87

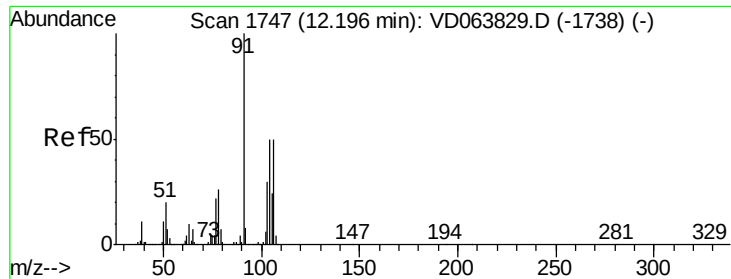
100000

50000

0

Time-->

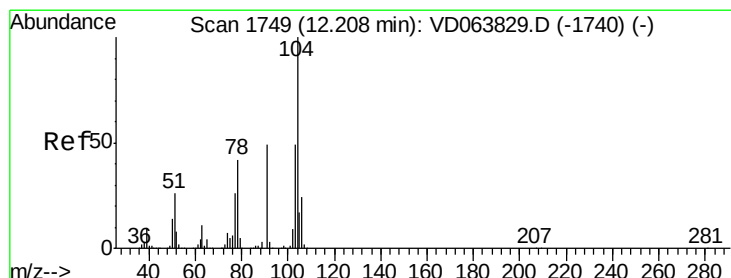
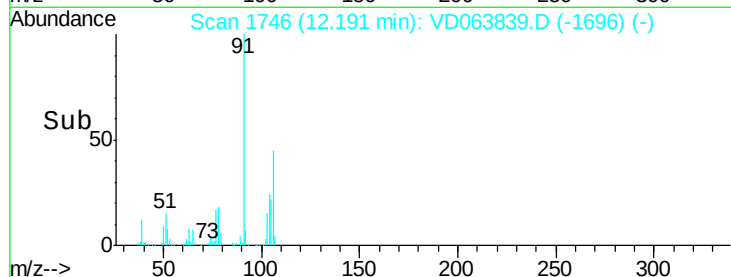
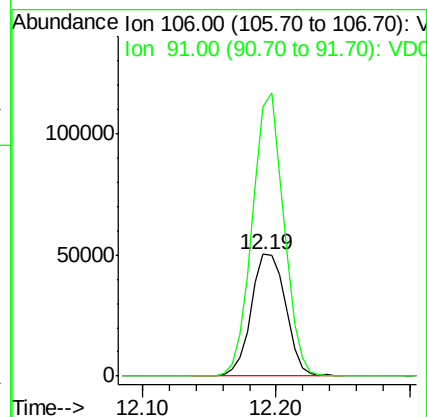
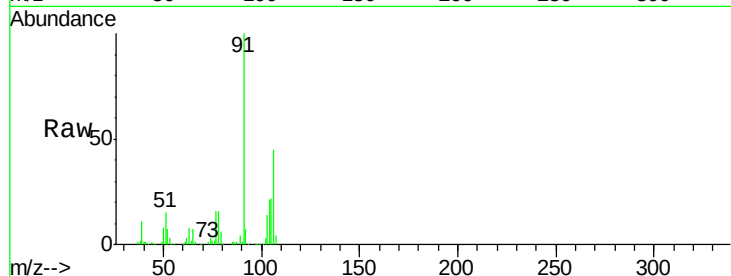




#69
o-Xylene
Concen: 19.854 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

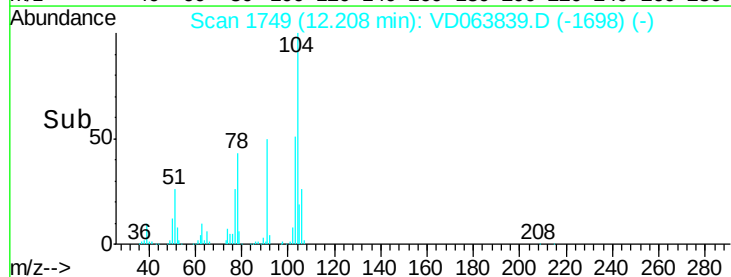
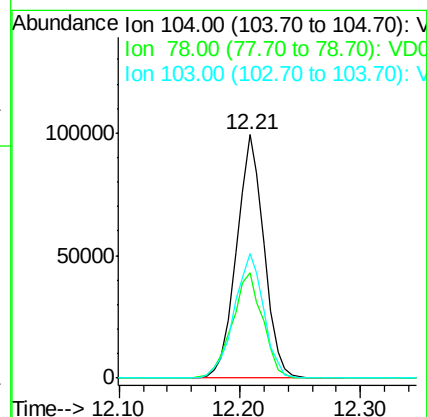
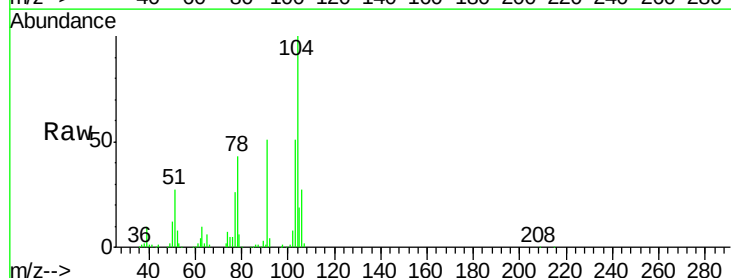
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

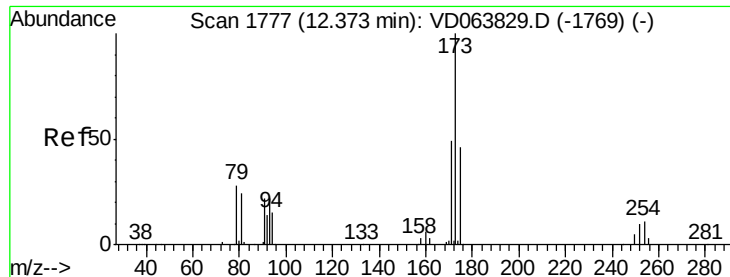
Tot Ion:106 Resp: 89563
Ion Ratio Lower Upper
106 100
91 211.8 102.4 307.1



#70
Styrene
Concen: 20.599 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion:104 Resp: 157268
Ion Ratio Lower Upper
104 100
78 47.8 37.3 55.9
103 55.3 44.2 66.4

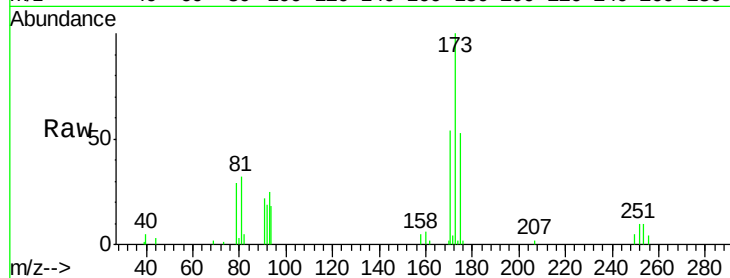




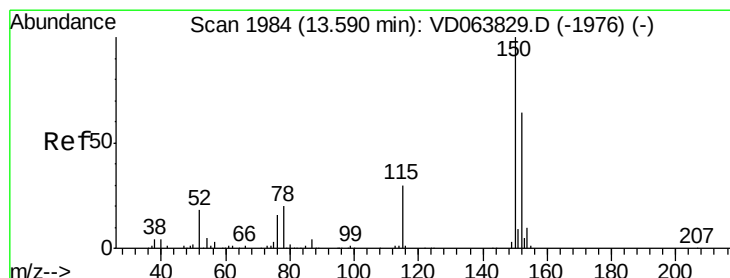
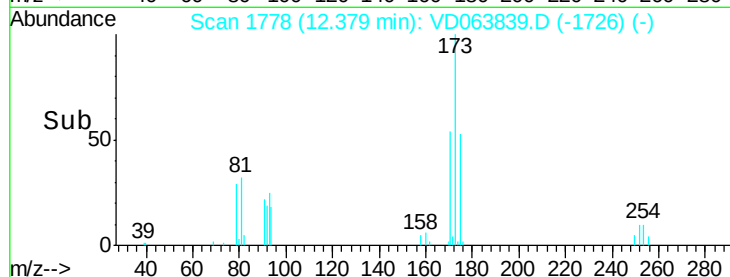
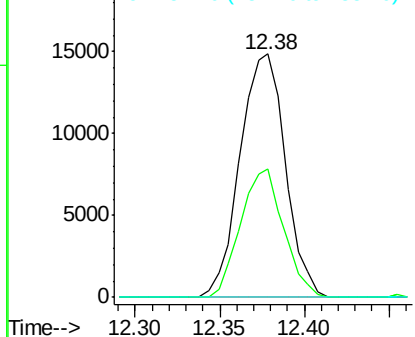
#71
Bromoform
Concen: 19.651 ug/l
RT: 12.38 min Scan# 1778
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0926SBSD01

Tot Ion:173 Resp: 27642
Ion Ratio Lower Upper
173 100
175 50.0 23.3 69.8
254 0.0 0.1 0.1#

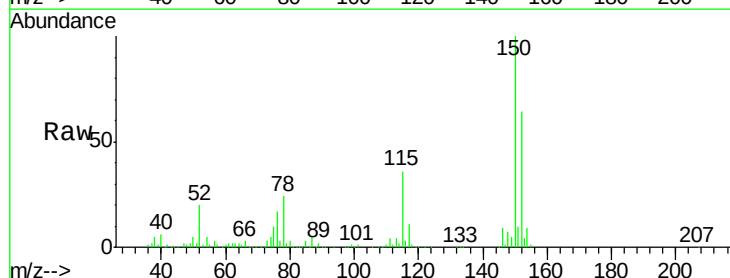


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

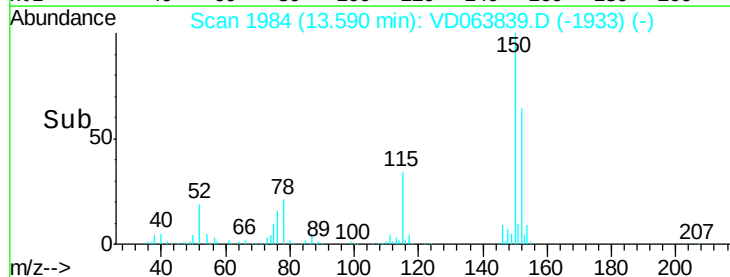
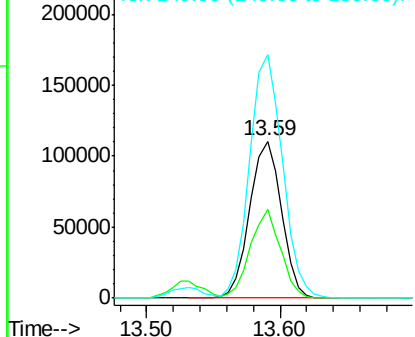


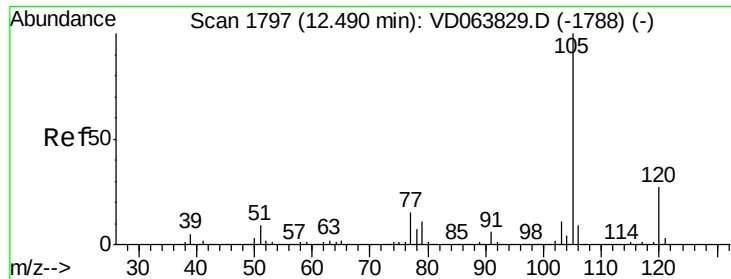
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:57

Tgt Ion:152 Resp: 181133
Ion Ratio Lower Upper
152 100
115 53.6 27.0 81.0
150 161.1 0.0 344.0



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: 20.648 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

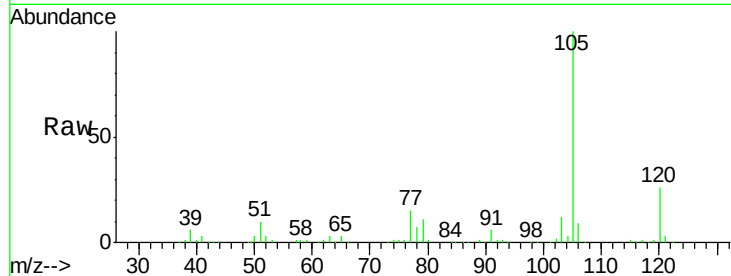
VD0926SBSD01

Tot Ion:105 Resp: 255459

Ion Ratio Lower Upper

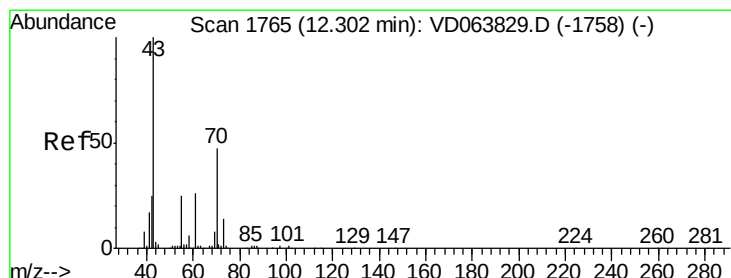
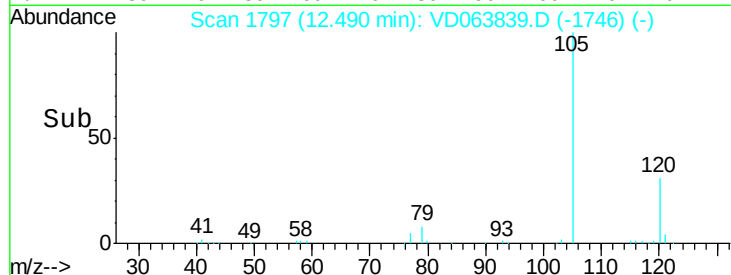
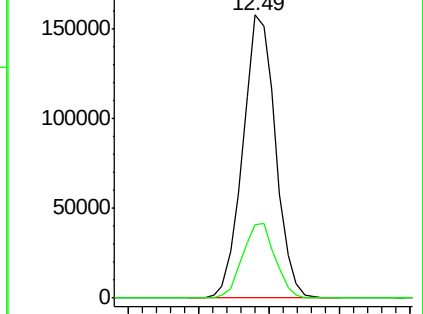
105 100

120 26.4 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.556 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Tgt Ion: 43 Resp: 55672

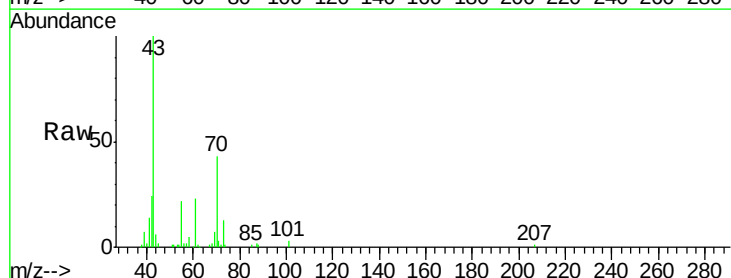
Ion Ratio Lower Upper

43 100

70 44.0 35.0 52.6

55 24.0 19.8 29.6

61 24.3 19.6 29.4

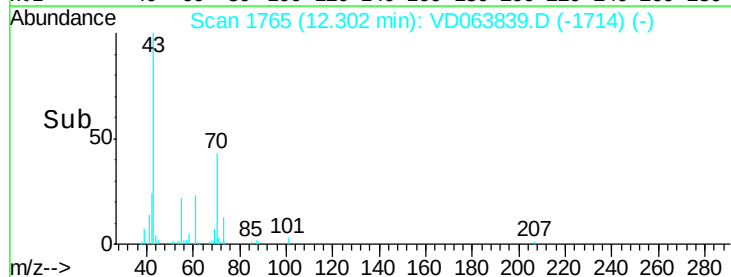
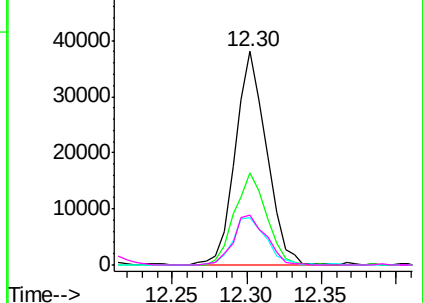


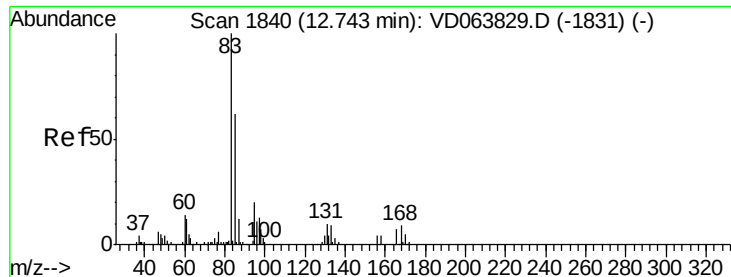
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.535 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

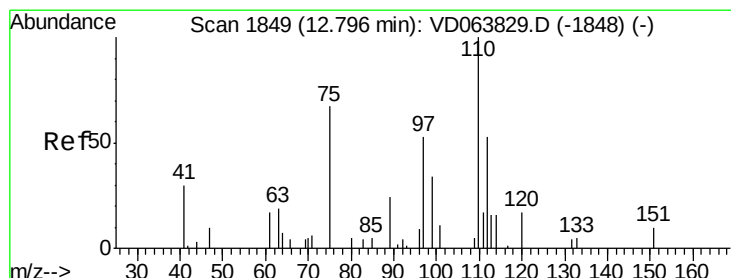
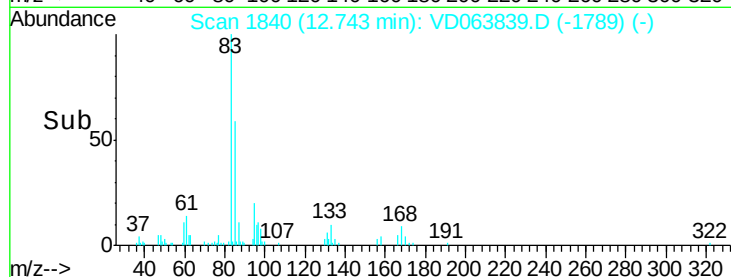
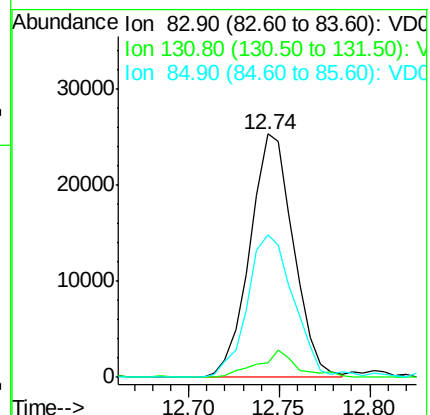
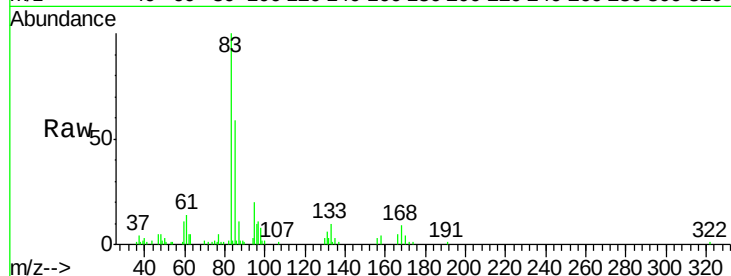
Tot Ion: 83 Resp: 42348

Ion Ratio Lower Upper

83 100

131 10.2 5.6 16.8

85 62.4 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 25.752 ug/l m

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063839.D

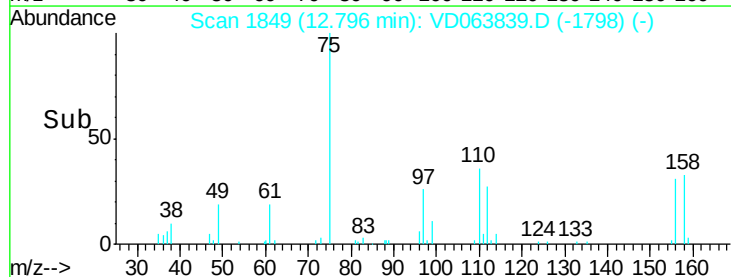
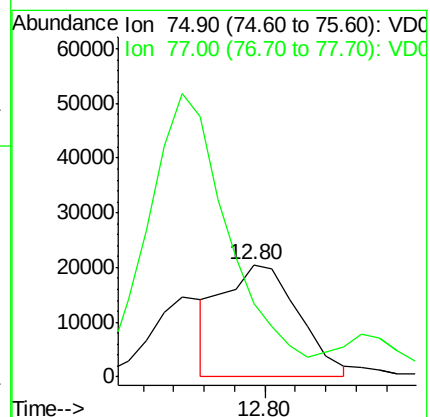
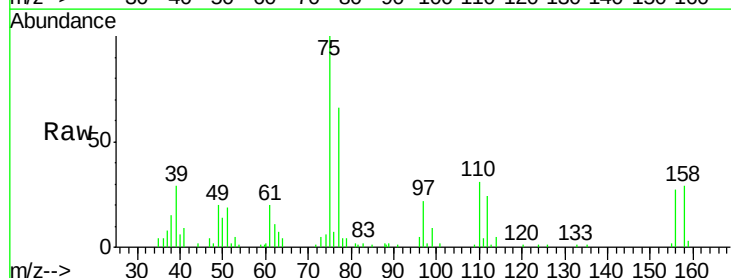
Acq: 26 Sep 2019 15:57

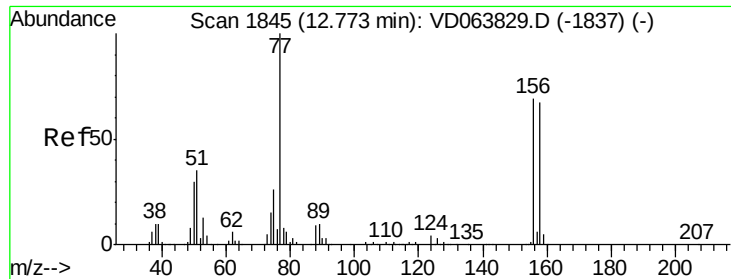
Tgt Ion: 75 Resp: 35369

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.220 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

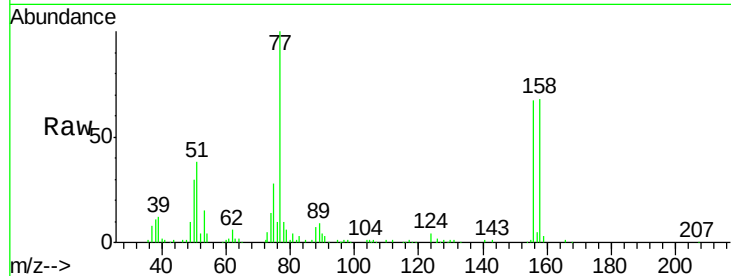
Tot Ion:156 Resp: 60121

Ion Ratio Lower Upper

156 100

77 161.2 79.8 239.4

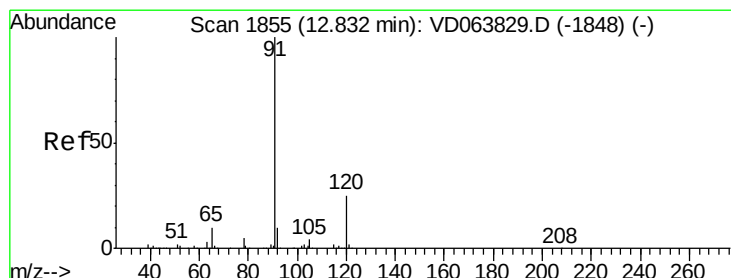
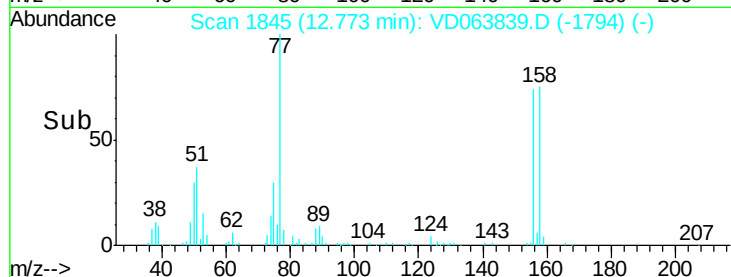
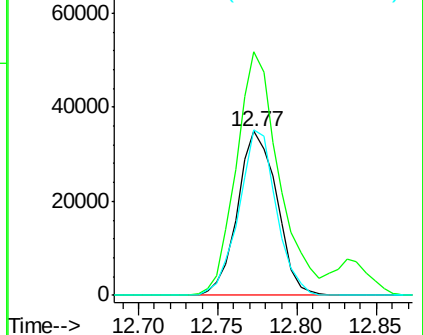
158 96.0 47.9 143.7



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: 21.176 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063839.D

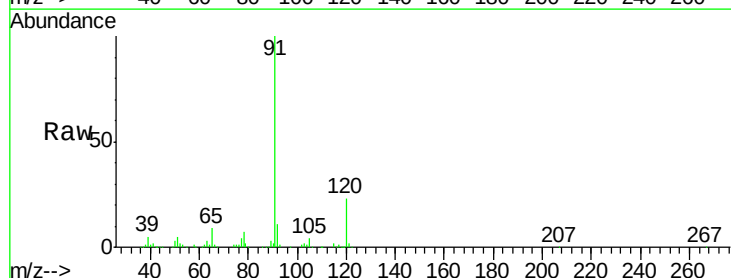
Acq: 26 Sep 2019 15:57

Tgt Ion: 91 Resp: 308228

Ion Ratio Lower Upper

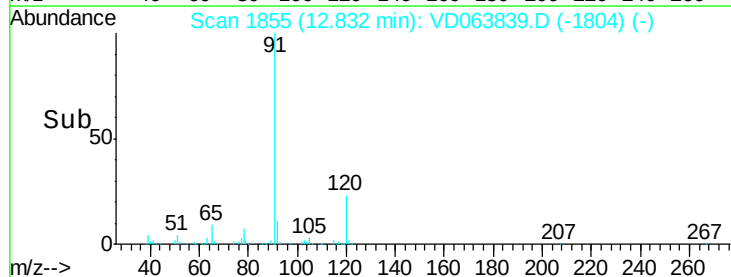
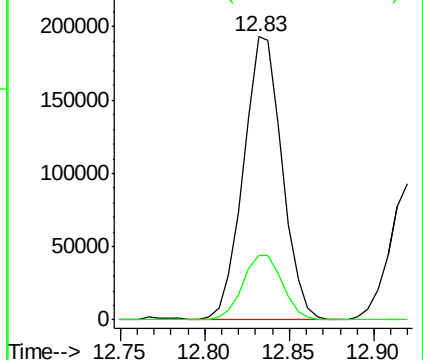
91 100

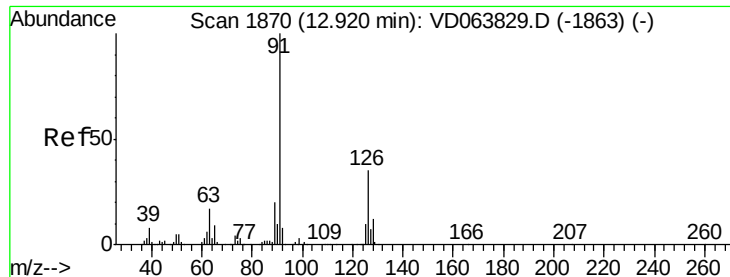
120 23.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.350 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

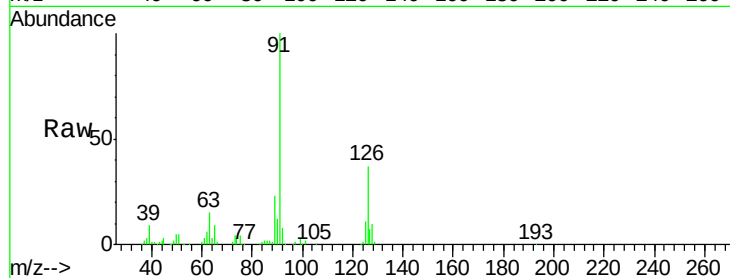
VD0926SBSD01

Tot Ion: 91 Resp: 159766

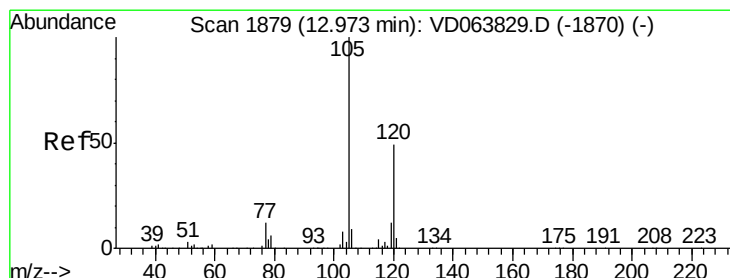
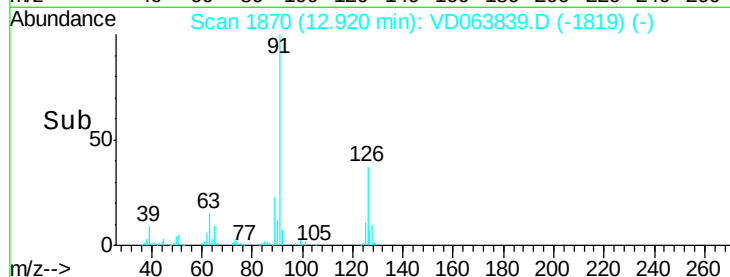
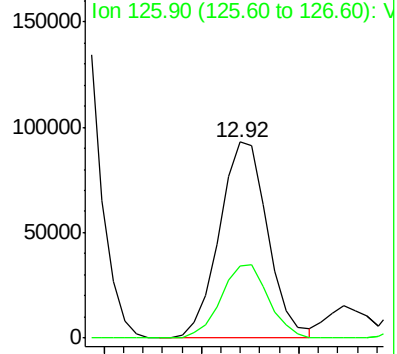
Ion Ratio Lower Upper

91 100

126 36.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.180 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063839.D

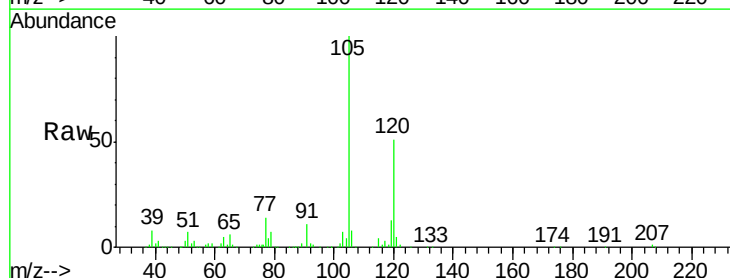
Acq: 26 Sep 2019 15:57

Tgt Ion:105 Resp: 208134

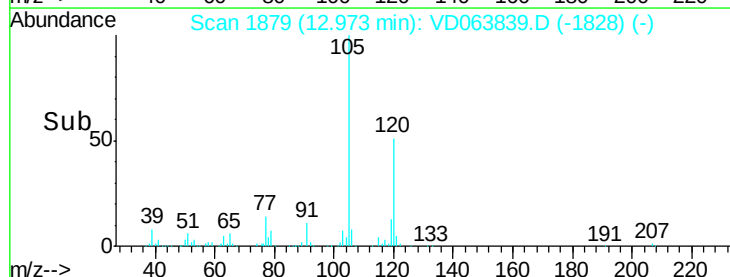
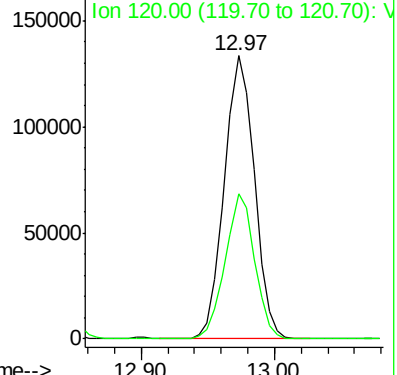
Ion Ratio Lower Upper

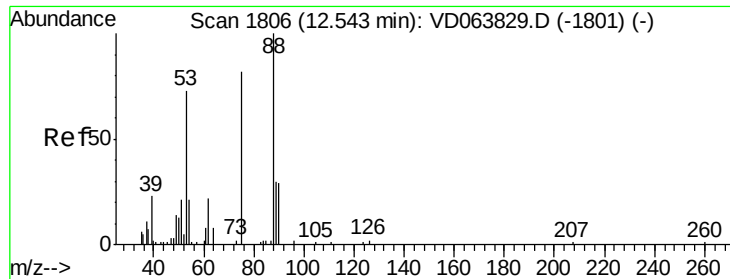
105 100

120 50.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.284 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

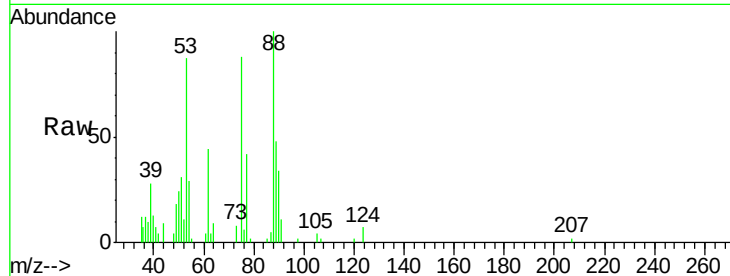
Tot Ion: 75 Resp: 12574

Ion Ratio Lower Upper

75 100

53 101.1 76.5 114.7

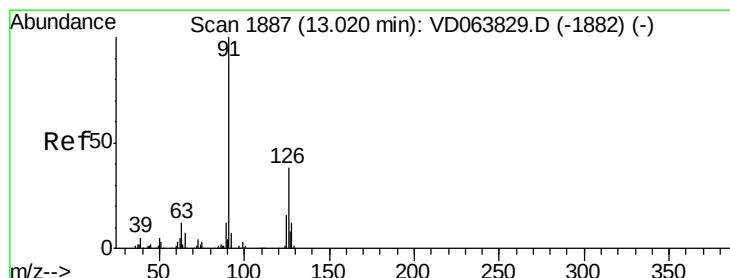
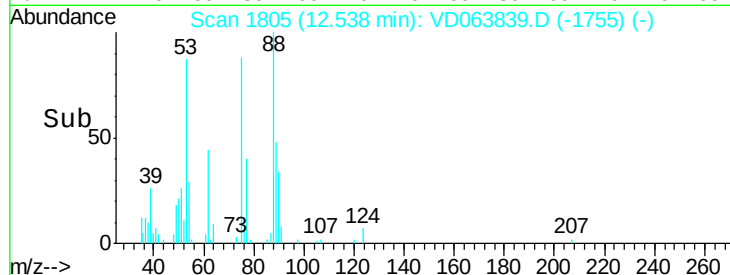
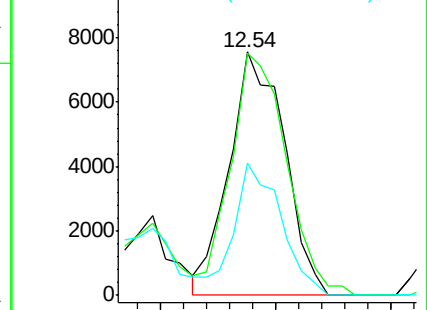
89 47.4 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.505 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VD063839.D

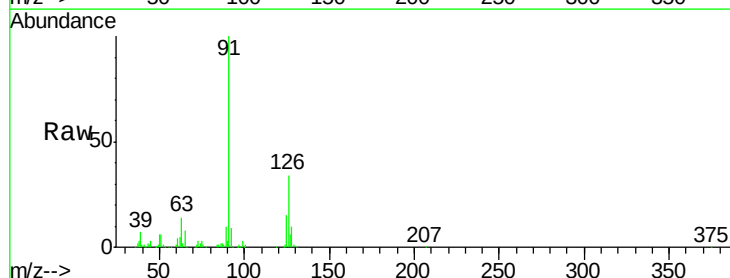
Acq: 26 Sep 2019 15:57

Tgt Ion: 91 Resp: 171727

Ion Ratio Lower Upper

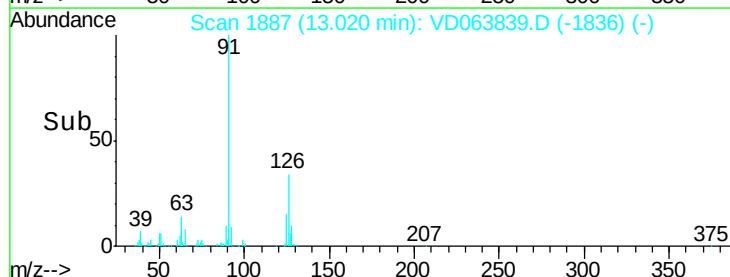
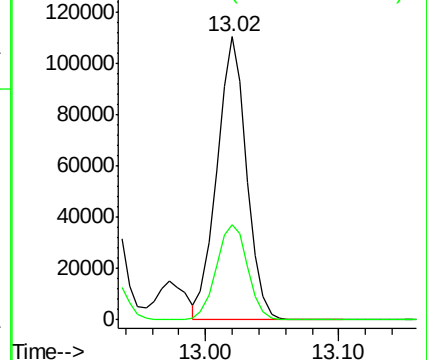
91 100

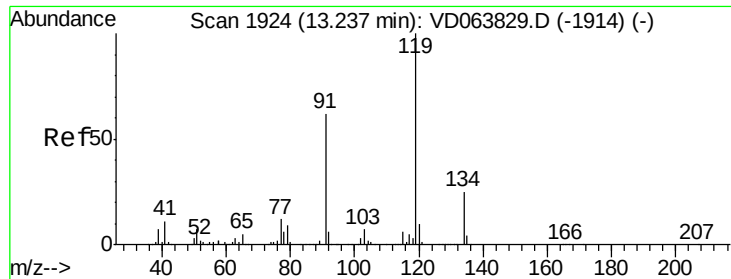
126 35.7 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





#83

tert-Butylbenzene

Concen: 19.952 ug/l

RT: 13.24 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

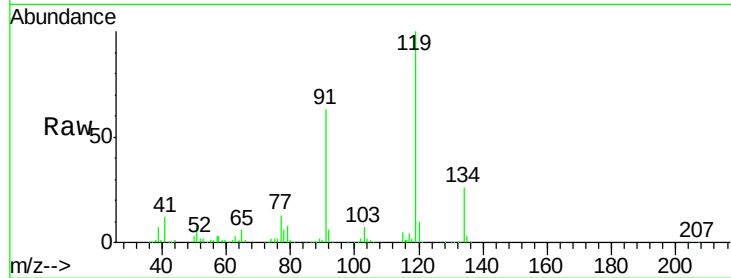
Tot Ion:119 Resp: 179805

Ion Ratio Lower Upper

119 100

91 64.3 30.8 92.3

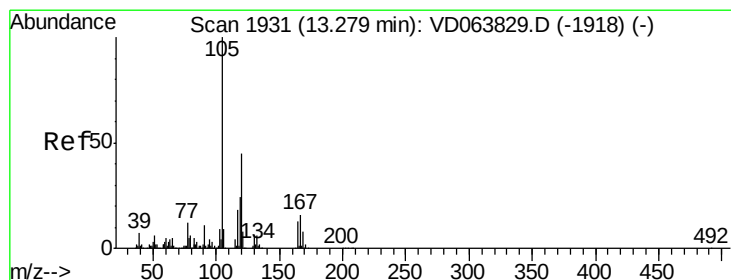
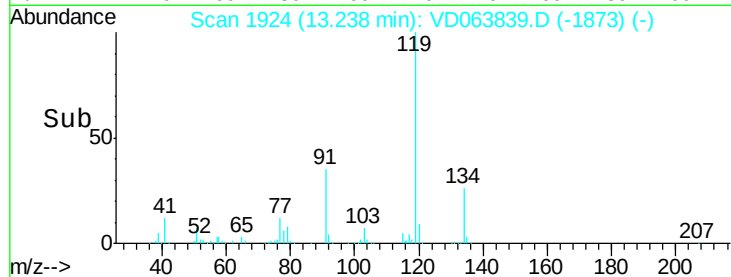
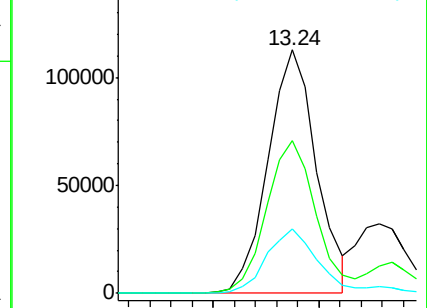
134 27.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.212 ug/l

RT: 13.28 min Scan# 1932

Delta R.T. 0.01 min

Lab File: VD063839.D

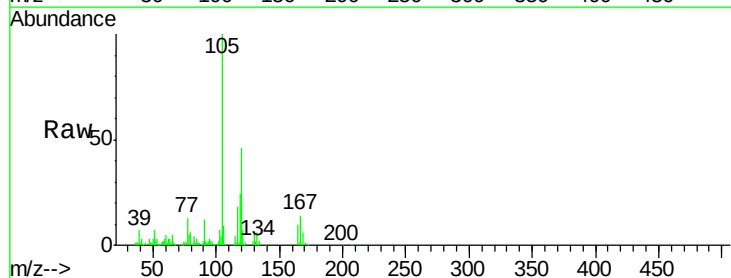
Acq: 26 Sep 2019 15:57

Tgt Ion:105 Resp: 211634

Ion Ratio Lower Upper

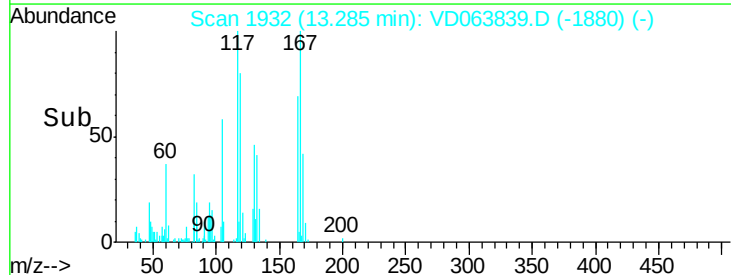
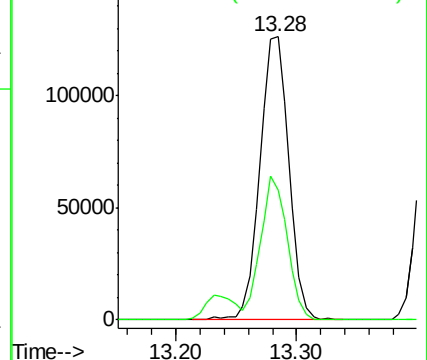
105 100

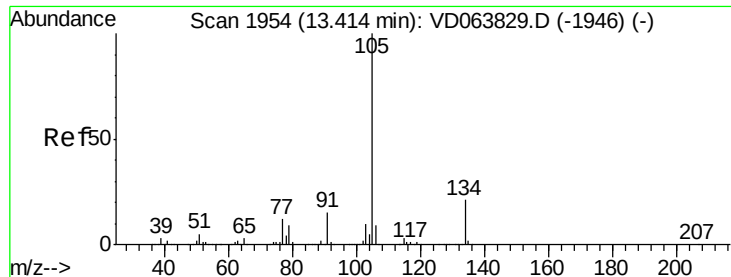
120 46.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.651 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

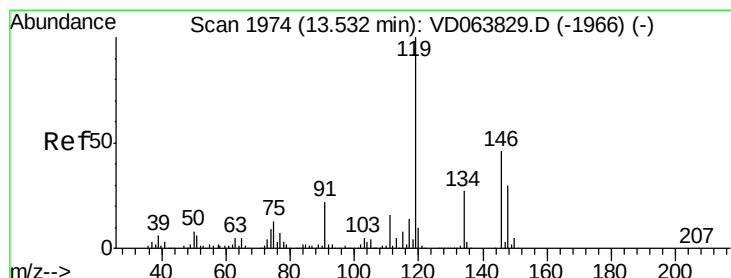
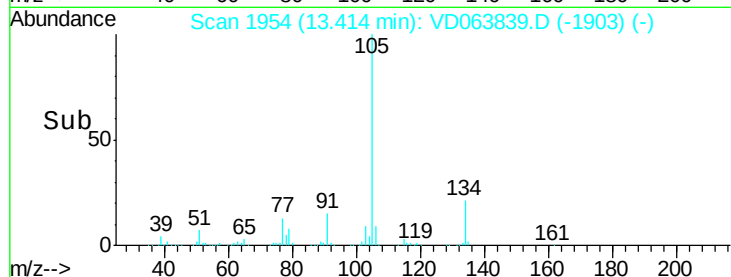
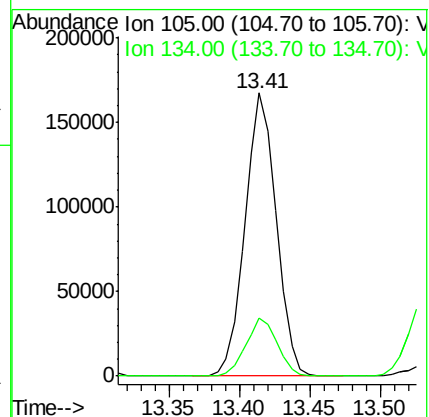
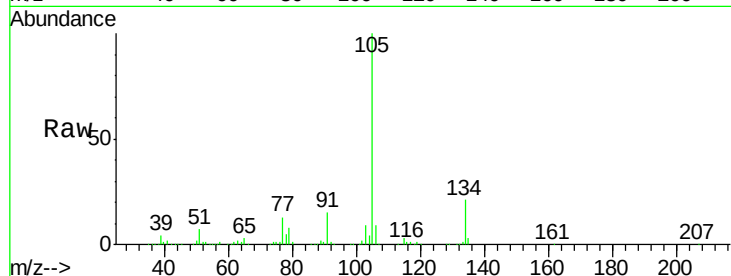
VD0926SBSD01

Tot Ion:105 Resp: 258953

Ion Ratio Lower Upper

105 100

134 20.8 10.7 31.9



#86

p-Isopropyltoluene

Concen: 20.327 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

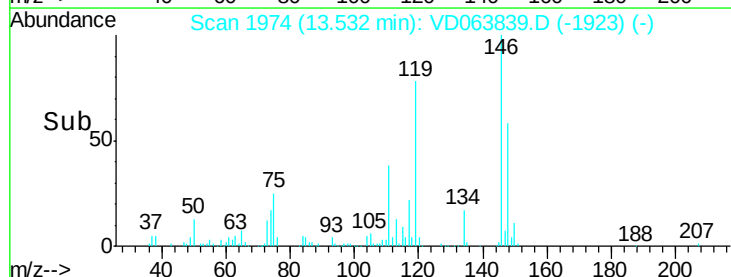
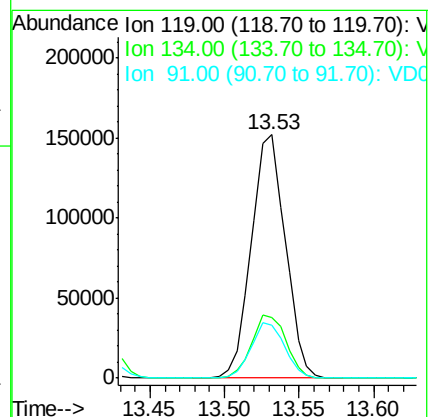
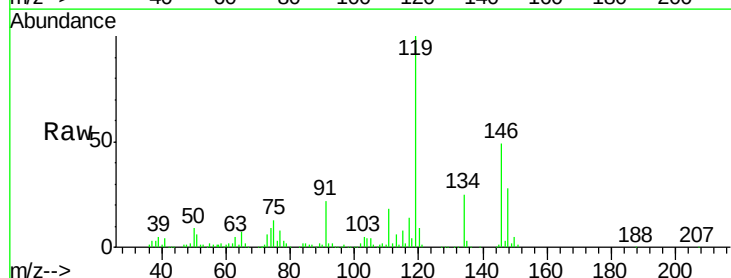
Tgt Ion:119 Resp: 239387

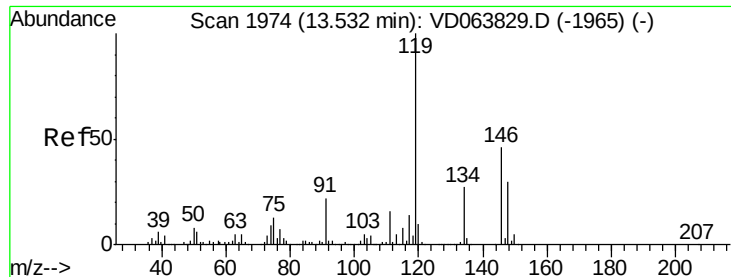
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.6

91 22.6 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 20.374 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

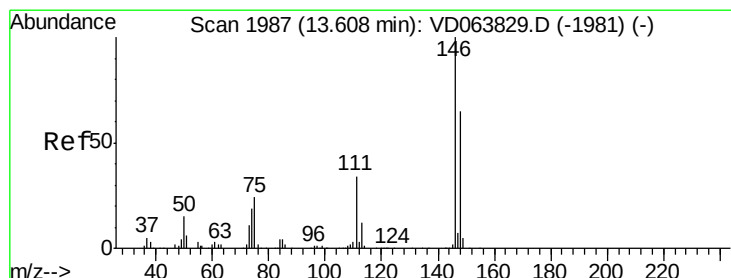
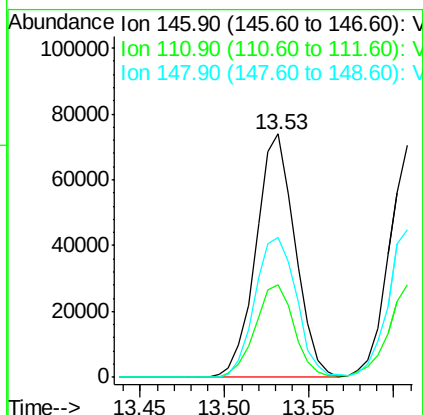
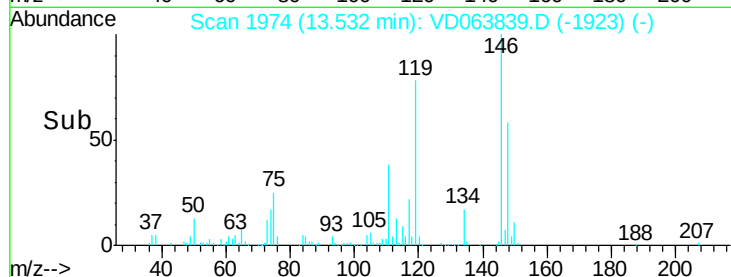
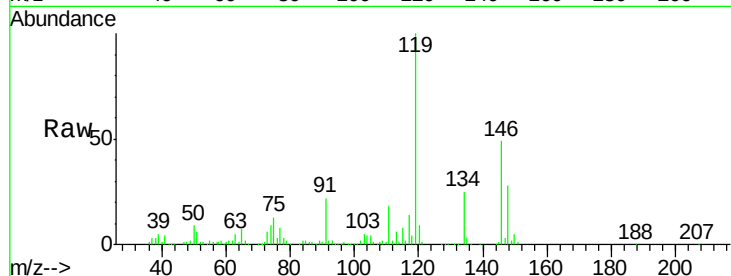
Tot Ion:146 Resp: 118941

Ion Ratio Lower Upper

146 100

111 38.0 18.3 54.8

148 61.3 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 19.872 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

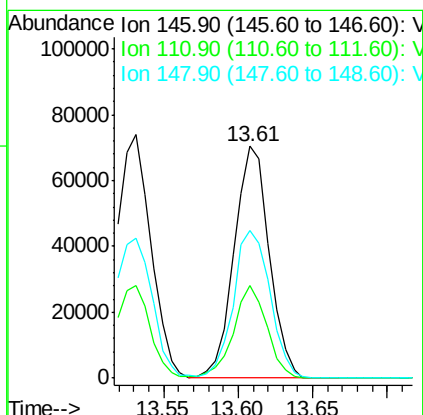
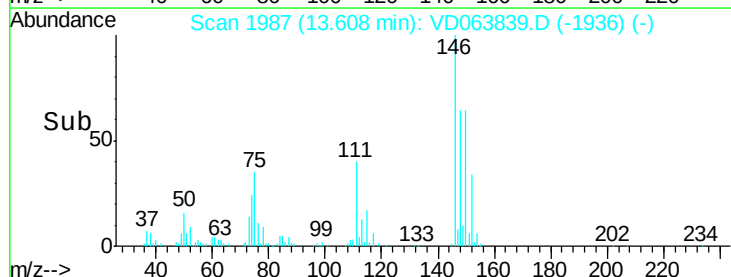
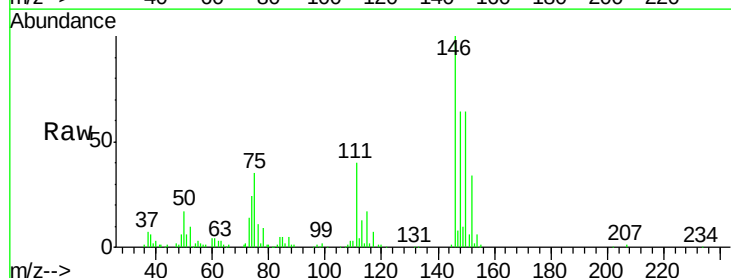
Tgt Ion:146 Resp: 115378

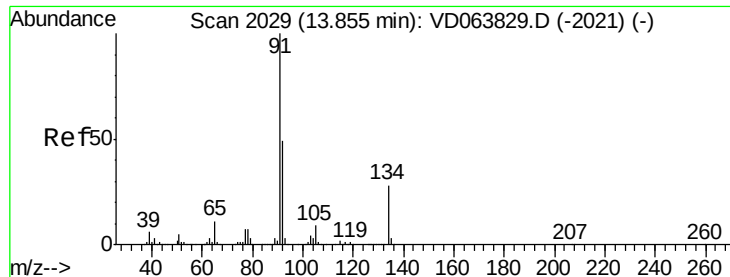
Ion Ratio Lower Upper

146 100

111 38.2 18.5 55.5

148 66.6 33.0 99.0





#89

n-Butylbenzene

Concen: 20.988 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

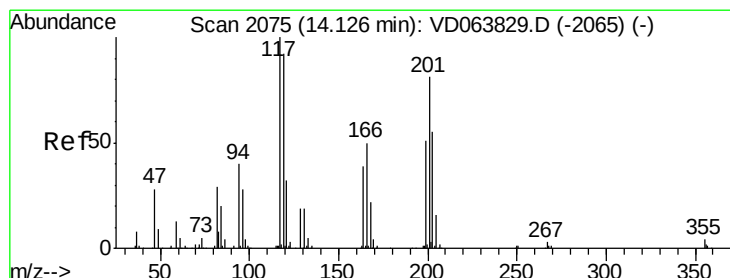
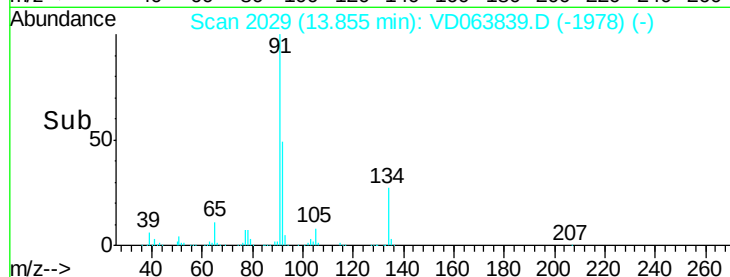
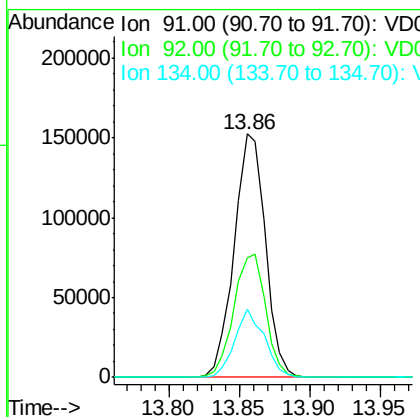
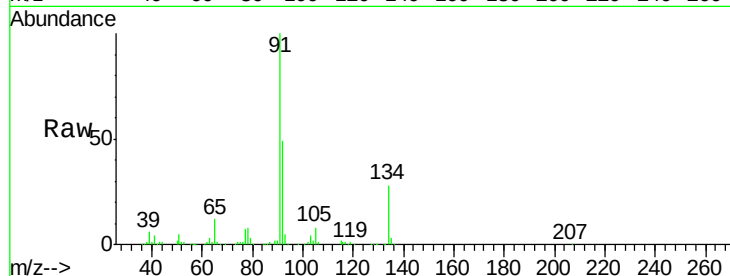
Tot Ion: 91 Resp: 235241

Ion Ratio Lower Upper

91 100

92 51.8 26.1 78.2

134 26.6 14.0 41.9



#90

Hexachloroethane

Concen: 20.275 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VD063839.D

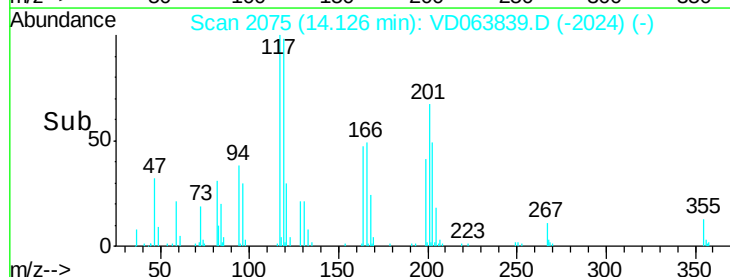
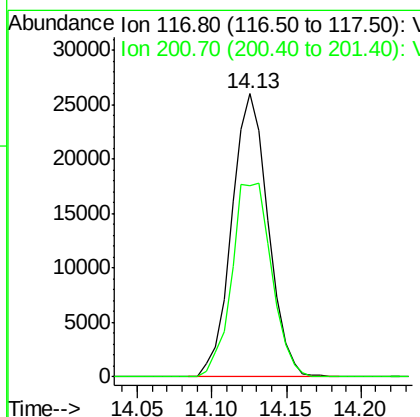
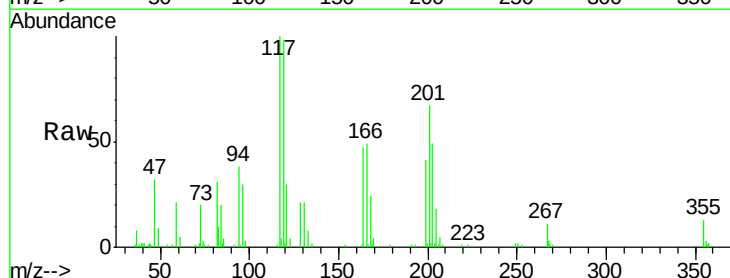
Acq: 26 Sep 2019 15:57

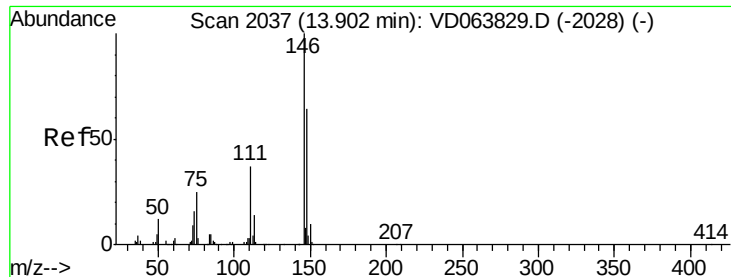
Tgt Ion: 117 Resp: 44227

Ion Ratio Lower Upper

117 100

201 74.6 39.3 117.8

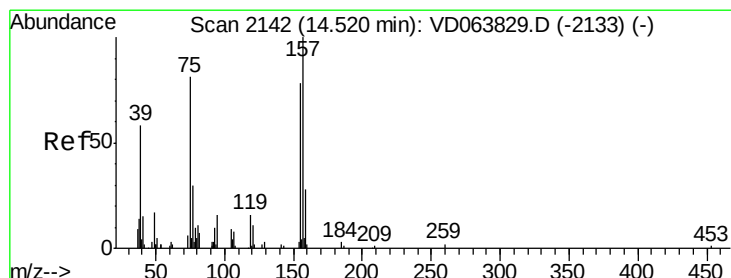
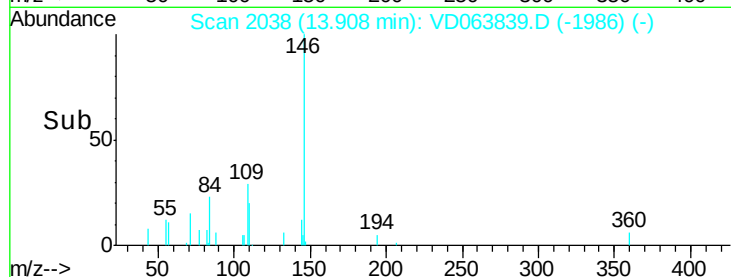
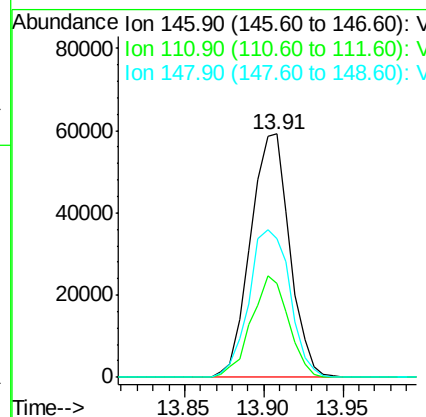
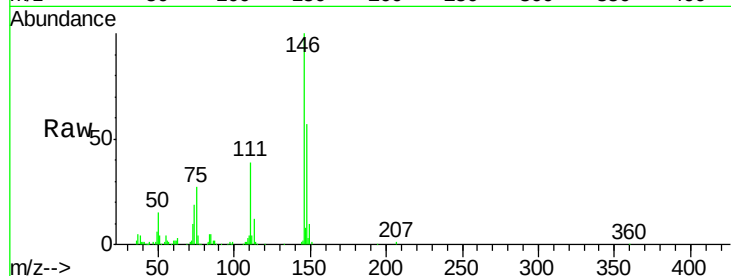




#91
 1,2-Dichlorobenzene
 Concen: 20.347 ug/l
 RT: 13.91 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

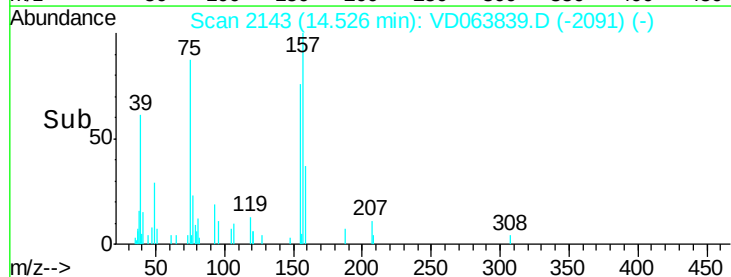
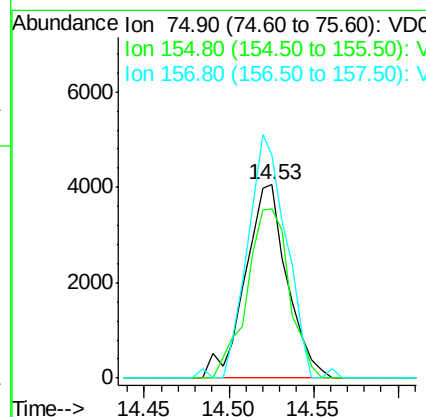
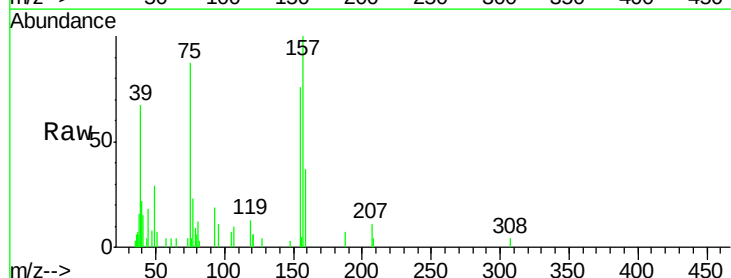
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

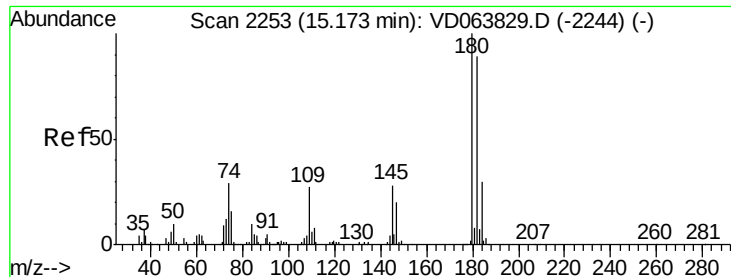
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.7
148	63.8	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.098 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	48.0	144.0
157	115.5	63.2	189.8

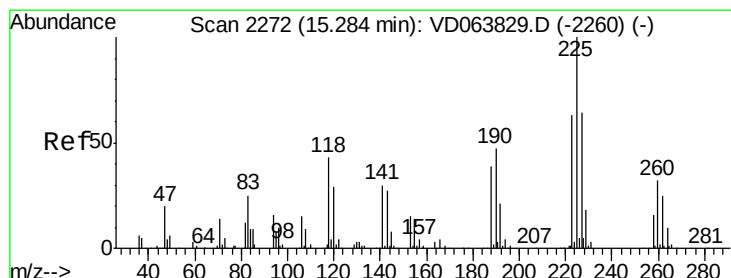
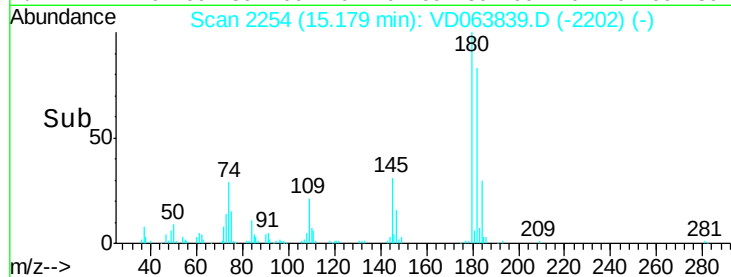
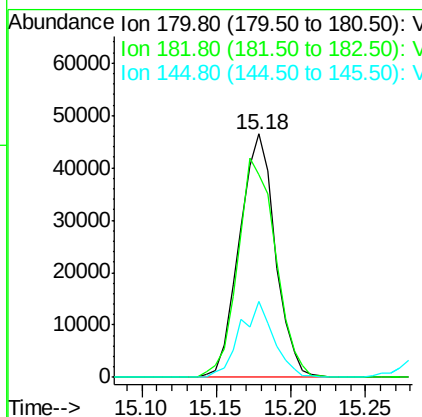
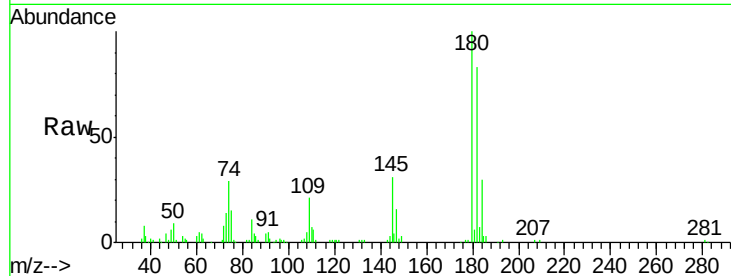




#93
 1,2,4-Trichlorobenzene
 Concen: 20.344 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

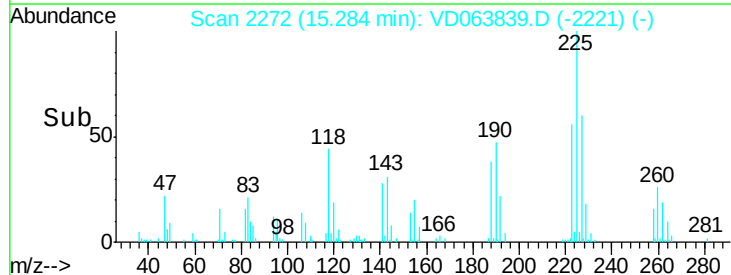
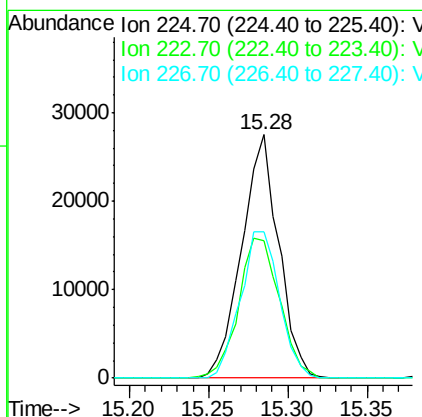
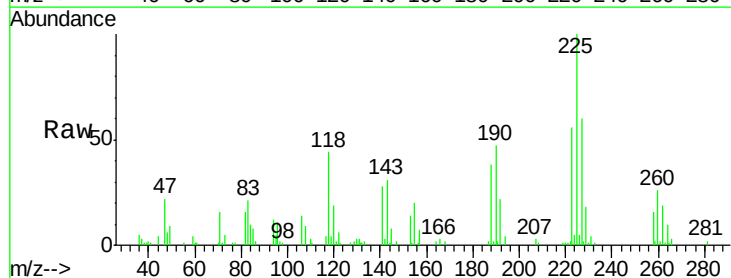
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBSD01

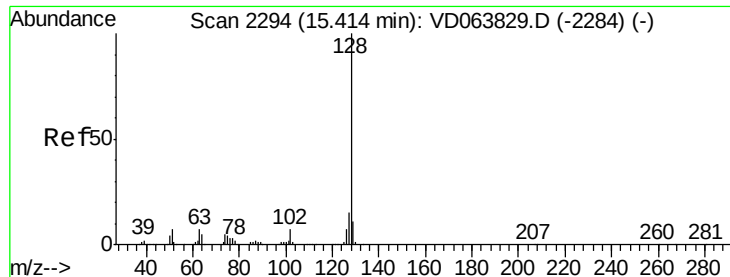
Tot Ion:180 Resp: 77365
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.5 139.5
 145 29.7 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 20.730 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:57

Tgt Ion:225 Resp: 44665
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.8 98.3
 227 63.6 32.8 98.3





#95

Naphthalene

Concen: 20.058 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBSD01

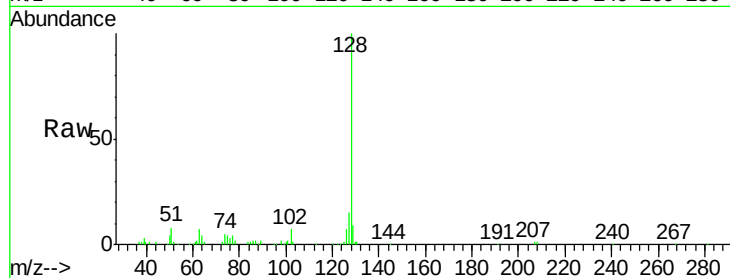
Tot Ion:128 Resp: 136971

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

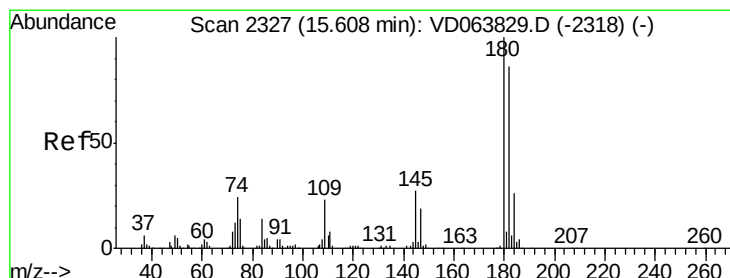
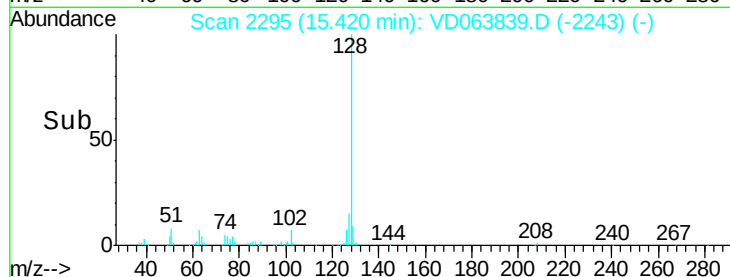
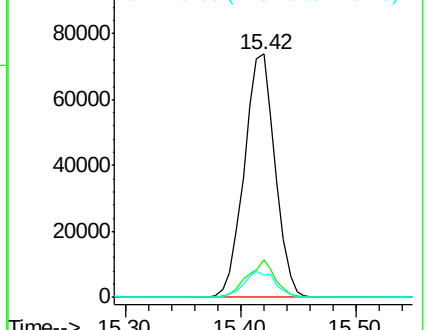
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.727 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:57

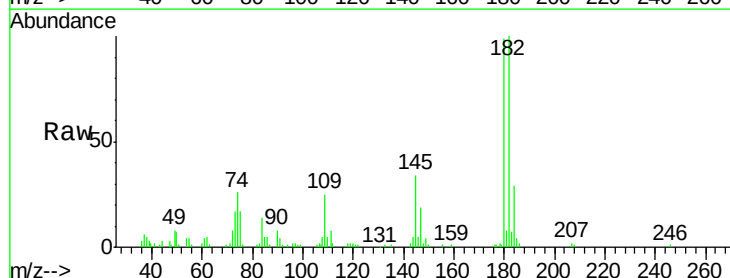
Tgt Ion:180 Resp: 66510

Ion Ratio Lower Upper

180 100

182 99.2 46.6 139.7

145 31.8 14.5 43.5



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

