

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063834.D
 Acq On : 26 Sep 2019 11:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

Quant Time: Sep 26 18:11:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	275760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	420620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	400160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	211389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	120191	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	7.94	113	126032	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
50) Toluene-d8	10.36	98	504712	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.64	95	171743	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	102790	54.351	ug/l	95
3) Chloromethane	2.22	50	231427	48.789	ug/l	96
4) Vinyl Chloride	2.36	62	266847	45.623	ug/l	96
5) Bromomethane	2.78	94	153524	44.862	ug/l	97
6) Chloroethane	2.94	64	167375	49.571	ug/l	100
7) Trichlorofluoromethane	3.29	101	361032	45.911	ug/l	90
8) Diethyl Ether	3.73	74	54959	47.898	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.11	101	113487	48.649	ug/l	98
10) Methyl Iodide	4.32	142	149044	53.515	ug/l	99
11) Tert butyl alcohol	5.27	59	43864	245.135	ug/l #	85
12) 1,1-Dichloroethene	4.08	96	108568	46.106	ug/l	91
13) Acrolein	3.94	56	56804	230.602	ug/l	96
14) Allyl chloride	4.73	41	169849	45.632	ug/l	97
15) Acrylonitrile	5.46	53	126925	224.068	ug/l	98
16) Acetone	4.19	43	154149	297.429	ug/l	100
17) Carbon Disulfide	4.42	76	373785	46.957	ug/l	98
18) Methyl Acetate	4.74	43	57305	45.138	ug/l	97
19) Methyl tert-butyl Ether	5.50	73	267878	45.438	ug/l	93
20) Methylene Chloride	4.98	84	136440	47.557	ug/l	94
21) trans-1,2-Dichloroethene	5.49	96	127623	46.562	ug/l	96
22) Diisopropyl ether	6.39	45	340499	44.293	ug/l	96
23) Vinyl Acetate	6.33	43	1045675	229.973	ug/l	98
24) 1,1-Dichloroethane	6.28	63	217252	46.517	ug/l	99
25) 2-Butanone	7.24	43	174613	229.157	ug/l	97
26) 2,2-Dichloropropane	7.23	77	206593	47.299	ug/l	97
27) cis-1,2-Dichloroethene	7.23	96	147719	48.030	ug/l	99
28) Bromochloromethane	7.57	49	88043	48.041	ug/l	98
29) Tetrahydrofuran	7.59	42	98964	216.755	ug/l	100
30) Chloroform	7.73	83	236313	46.584	ug/l	96
31) Cyclohexane	8.00	56	208450	51.935	ug/l	97
32) 1,1,1-Trichloroethane	7.93	97	219354	47.821	ug/l	97
36) 1,1-Dichloropropene	8.13	75	188404	49.106	ug/l	99
37) Ethyl Acetate	7.32	43	74061	51.871	ug/l	98
38) Carbon Tetrachloride	8.11	117	203375	50.929	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	241841	50.623	ug/l	99
40) Benzene	8.37	78	513601	48.608	ug/l	97
41) Methacrylonitrile	7.55	41	36984	43.695	ug/l #	88
42) 1,2-Dichloroethane	8.45	62	145693	47.153	ug/l	97
43) Isopropyl Acetate	8.47	43	144208	44.892	ug/l	98
44) Trichloroethene	9.13	130	151205	49.414	ug/l	98
45) 1,2-Dichloropropane	9.41	63	123724	47.402	ug/l	91
46) Dibromomethane	9.50	93	70306	47.724	ug/l	94
47) Bromodichloromethane	9.68	83	186864	49.205	ug/l	99
48) Methyl methacrylate	9.48	41	67495	46.197	ug/l	98
49) 1,4-Dioxane	9.48	88	18190	885.089	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	373843	231.012	ug/l	99
52) Toluene	10.42	92	353692	49.368	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	184152	48.920	ug/l	98
54) cis-1,3-Dichloropropene	10.11	75	215880	50.522	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	100672	48.362	ug/l	92
56) Ethyl methacrylate	10.68	69	127267	48.102	ug/l	98
57) 1,3-Dichloropropane	10.96	76	167854	47.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.96	63	257821	218.025	ug/l	98
59) 2-Hexanone	11.00	43	281622	243.902	ug/l	100
60) Dibromochloromethane	11.16	129	135478	49.317	ug/l	99
61) 1,2-Dibromoethane	11.26	107	99076	47.610	ug/l	98
64) Tetrachloroethene	10.89	164	134897	50.045	ug/l	93
65) Chlorobenzene	11.68	112	398362	49.489	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.76	131	147044	49.706	ug/l	97
67) Ethyl Benzene	11.76	91	738216	50.772	ug/l	97
68) m/p-Xylenes	11.87	106	559421	100.191	ug/l	99
69) o-Xylene	12.20	106	265994	50.473	ug/l	98
70) Styrene	12.21	104	449806	50.431	ug/l	98
71) Bromoform	12.37	173	81622	49.668	ug/l #	94
73) Isopropylbenzene	12.50	105	729934	50.554	ug/l	99
74) N-amyl acetate	12.30	43	143598	45.432	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	111448	46.308	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	149754	93.429	ug/l #	100
77) Bromobenzene	12.77	156	174971	50.424	ug/l	100
78) n-propylbenzene	12.83	91	854705	50.316	ug/l	99
79) 2-Chlorotoluene	12.92	91	457462	49.929	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	616716	51.237	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	37726	47.006	ug/l	97
82) 4-Chlorotoluene	13.02	91	473482	48.443	ug/l	100
83) tert-Butylbenzene	13.24	119	538749	51.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	607203	49.691	ug/l	98
85) sec-Butylbenzene	13.41	105	759911	51.927	ug/l	99
86) p-Isopropyltoluene	13.53	119	706348	51.393	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	349103	51.241	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	338384	49.940	ug/l	97
89) n-Butylbenzene	13.85	91	664672	50.813	ug/l	99
90) Hexachloroethane	14.13	117	128915	50.640	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	298751	51.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19863	48.915	ug/l	94

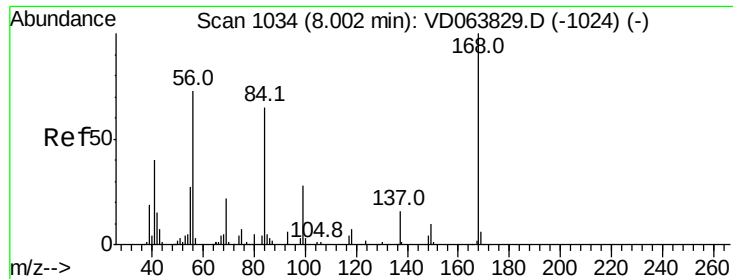
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	230903	52.029	ug/l	98
94) Hexachlorobutadiene	15.28	225	138751	55.179	ug/l	96
95) Naphthalene	15.41	128	398205	49.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	200190	50.879	ug/l	98

(#) = 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: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

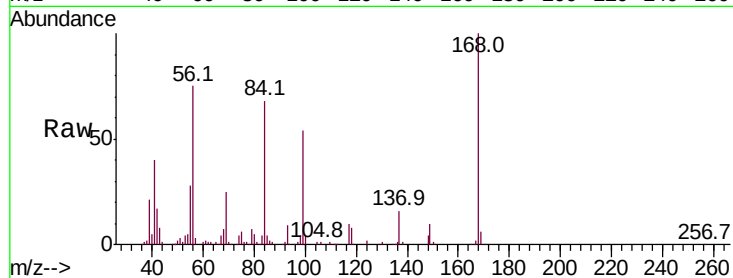
BFB39

Tot Ion:168 Resp: 275760

Ion Ratio Lower Upper

168 100

99 53.8 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

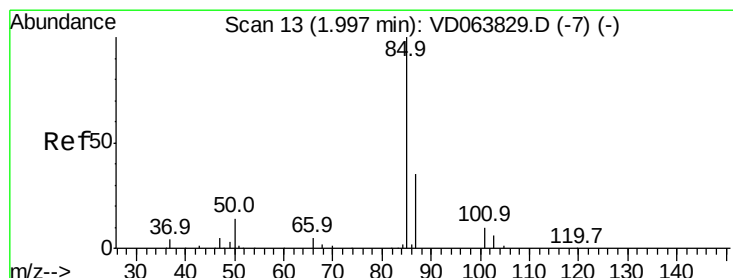
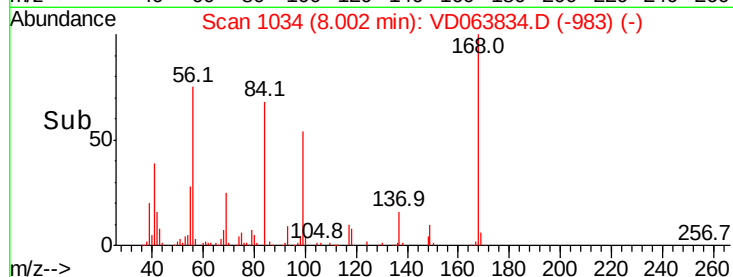
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.351 ug/l

RT: 2.00 min Scan# 13

Delta R.T. -0.00 min

Lab File: VD063834.D

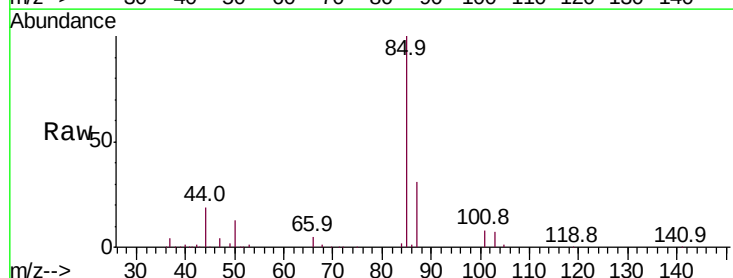
Acq: 26 Sep 2019 11:20

Tgt Ion: 85 Resp: 102790

Ion Ratio Lower Upper

85 100

87 31.5 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

60000

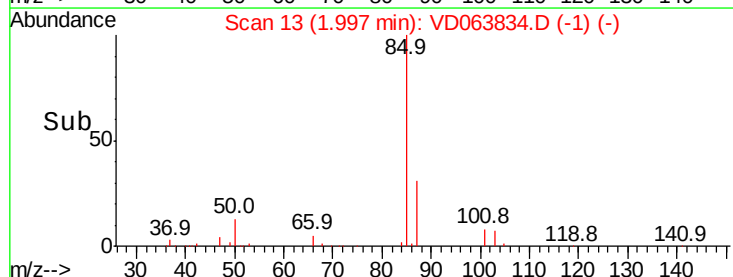
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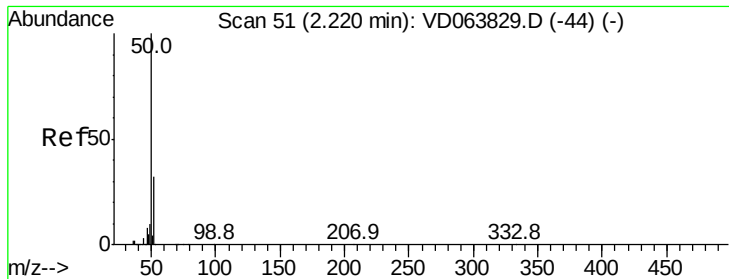
20000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.789 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

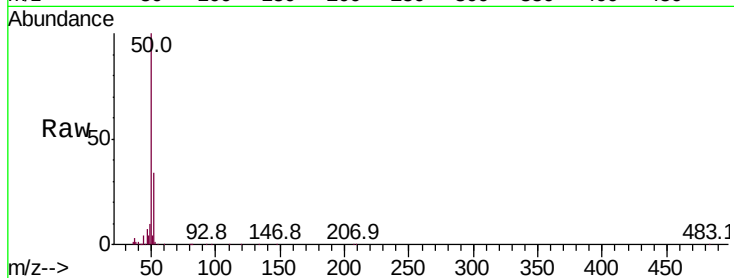
BFB39

Tot Ion: 50 Resp: 231427

Ion Ratio Lower Upper

50 100

52 34.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.22

200000

150000

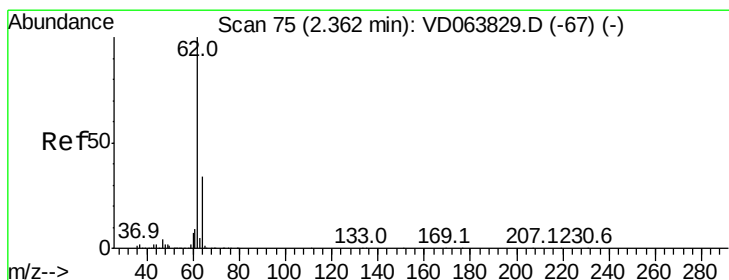
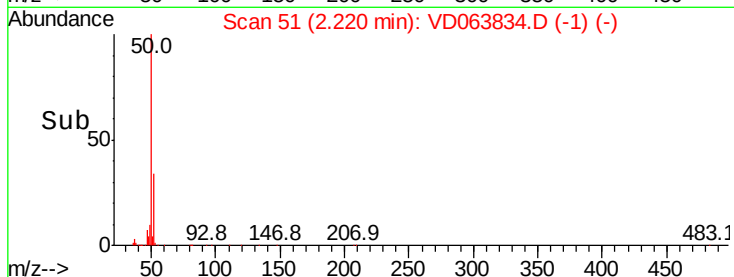
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 45.623 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD063834.D

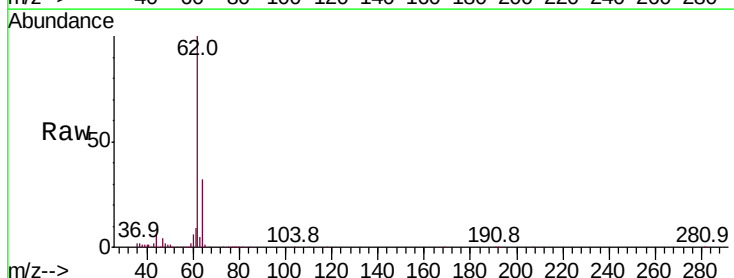
Acq: 26 Sep 2019 11:20

Tgt Ion: 62 Resp: 266847

Ion Ratio Lower Upper

62 100

64 31.8 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

200000

150000

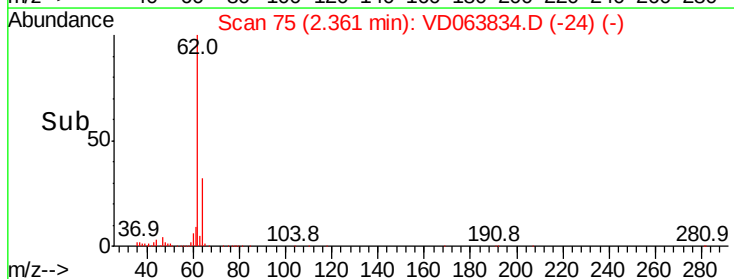
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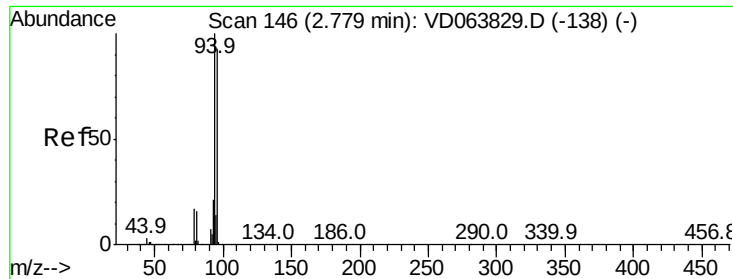
50000

0

Time-->

2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 44.862 ug/l

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

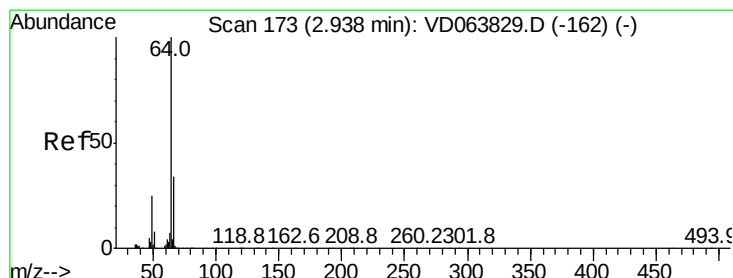
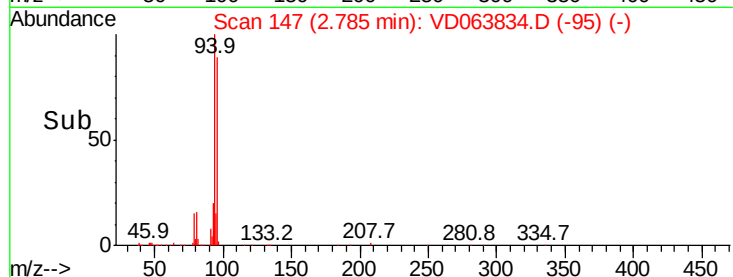
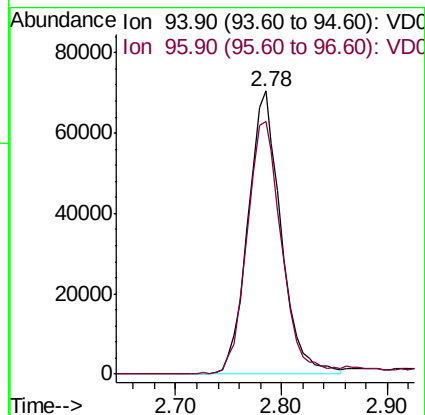
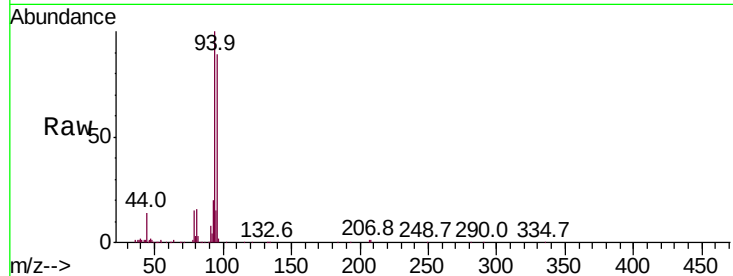
BFB39

Tot Ion: 94 Resp: 153524

Ion Ratio Lower Upper

94 100

96 89.4 74.2 111.2



#6

Chloroethane

Concen: 49.571 ug/l

RT: 2.94 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063834.D

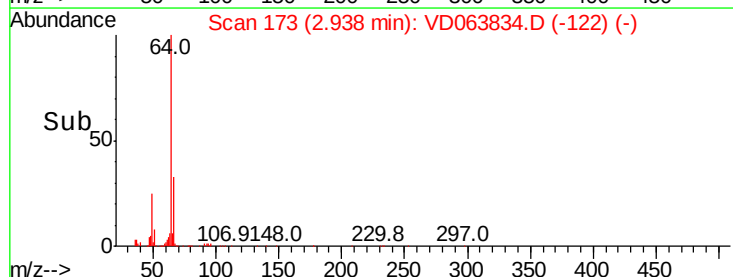
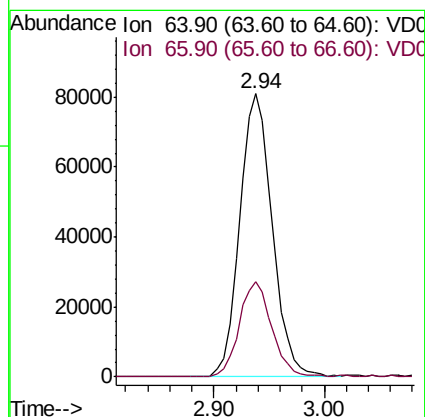
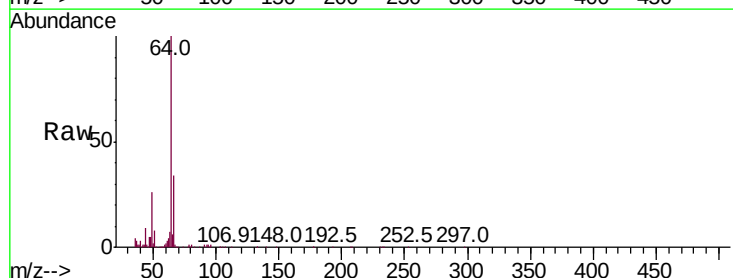
Acq: 26 Sep 2019 11:20

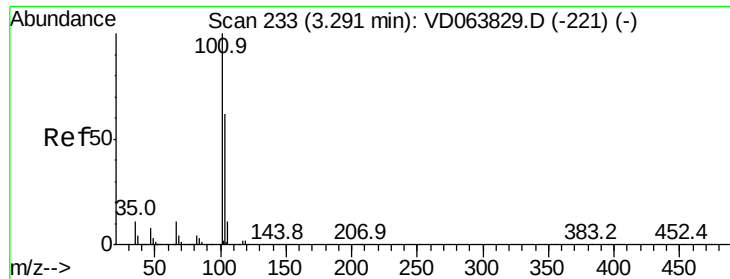
Tgt Ion: 64 Resp: 167375

Ion Ratio Lower Upper

64 100

66 33.4 26.9 40.3



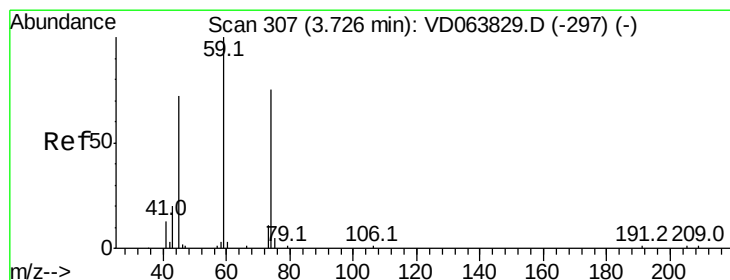
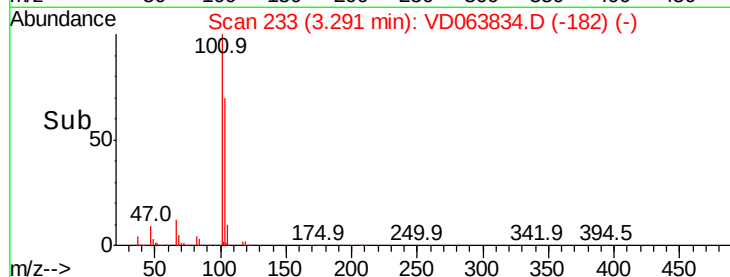
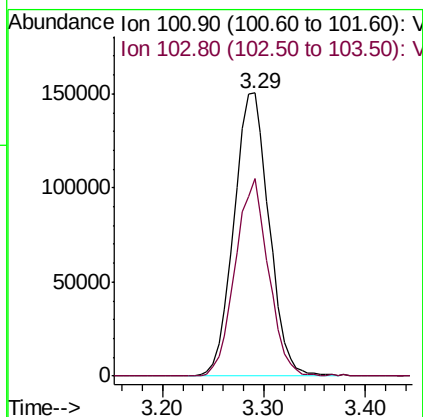
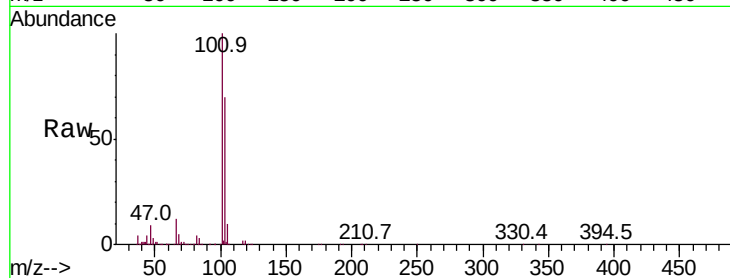


#7

Trichlorofluoromethane
 Concen: 45.911 ug/l
 RT: 3.29 min Scan# 233
 Delta R.T. -0.00 min
 Lab File: VD063834.D
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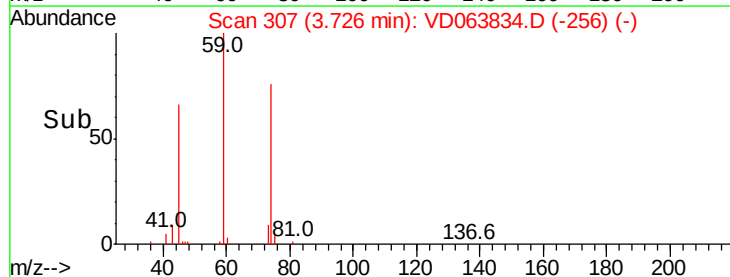
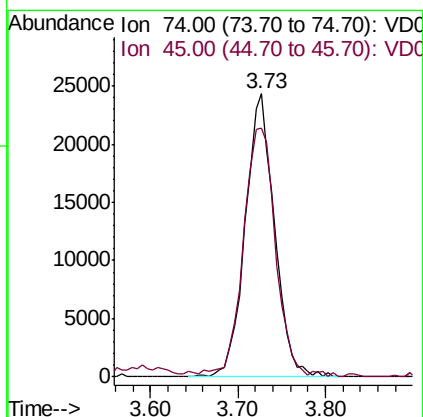
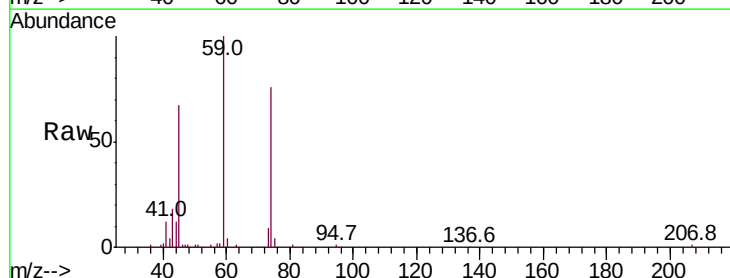
Tot Ion:101 Resp: 361032
 Ion Ratio Lower Upper
 101 100
 103 69.7 49.8 74.8

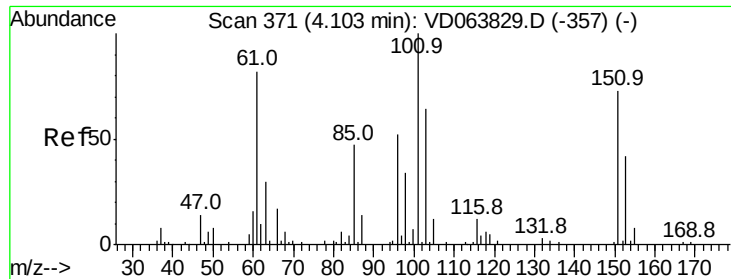


#8

Diethyl Ether
 Concen: 47.898 ug/l
 RT: 3.73 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion: 74 Resp: 54959
 Ion Ratio Lower Upper
 74 100
 45 94.8 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.649 ug/l

RT: 4.11 min Scan# 372

Delta R.T. 0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

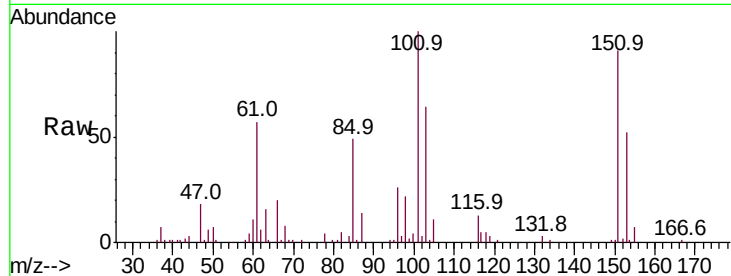
Tot Ion:101 Resp: 113487

Ion Ratio Lower Upper

101 100

85 44.5 37.8 56.6

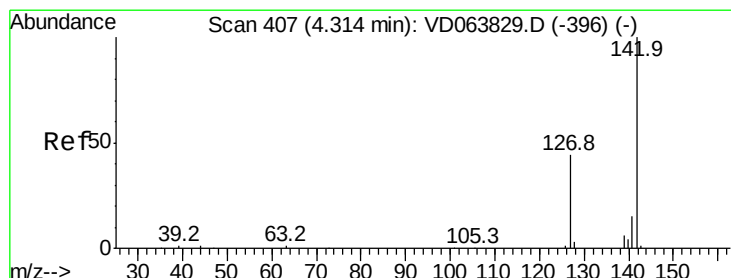
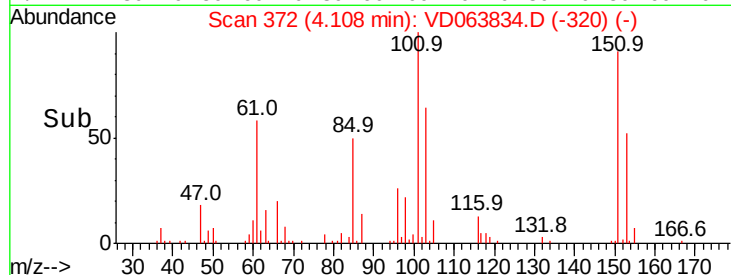
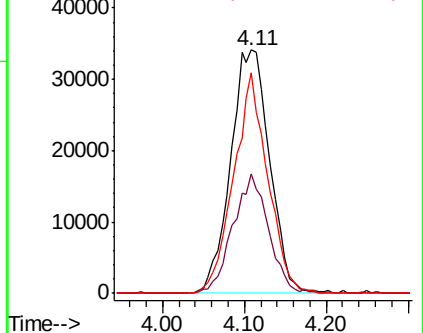
151 78.8 64.2 96.2



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: 53.515 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

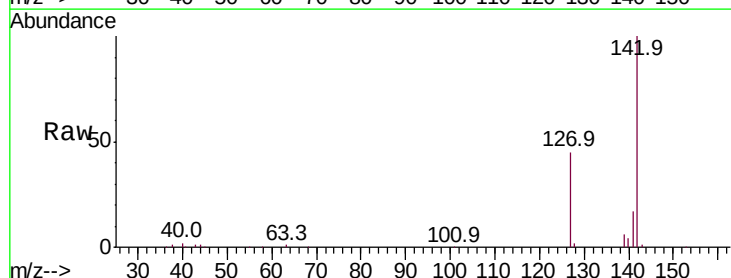
Tgt Ion:142 Resp: 149044

Ion Ratio Lower Upper

142 100

127 45.2 35.8 53.6

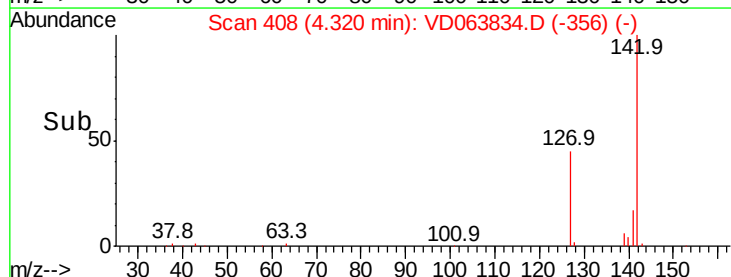
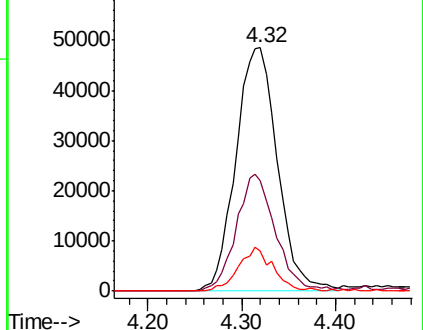
141 15.1 11.9 17.9

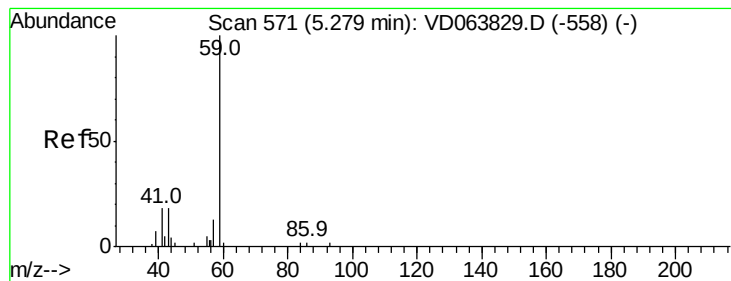


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 245.135 ug/l

RT: 5.27 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

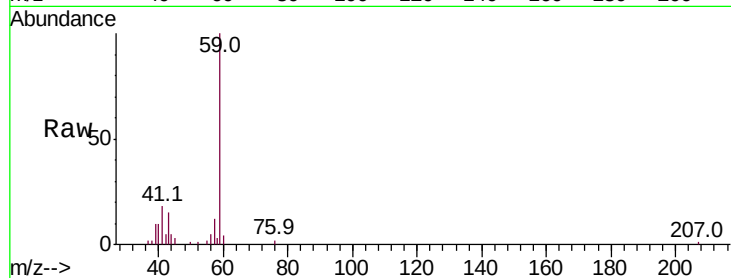
BFB39

Tot Ion: 59 Resp: 43864

Ion Ratio Lower Upper

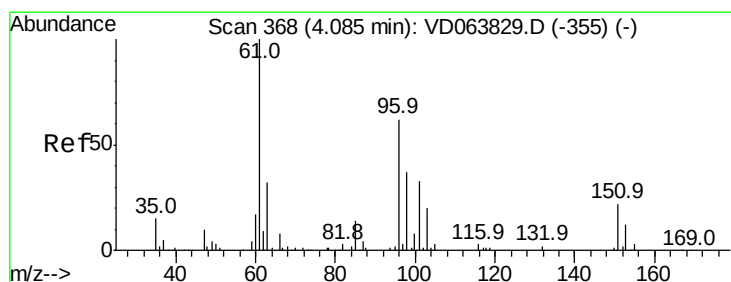
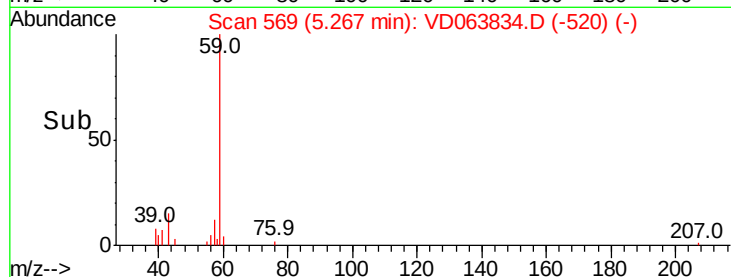
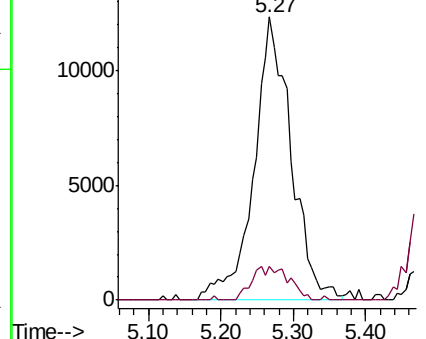
59 100

57 4.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 46.106 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

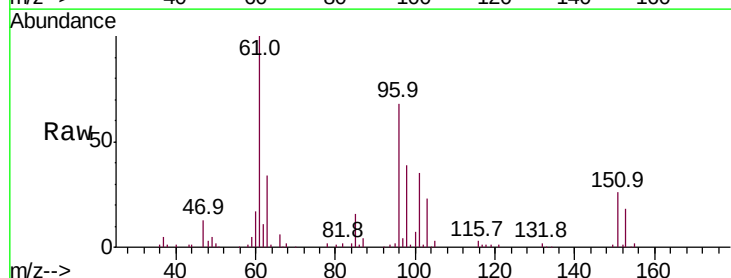
Tgt Ion: 96 Resp: 108568

Ion Ratio Lower Upper

96 100

61 146.6 129.0 193.4

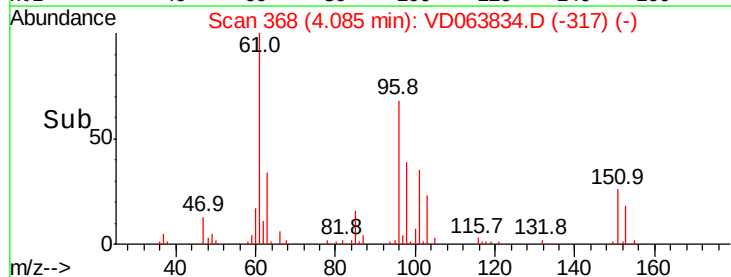
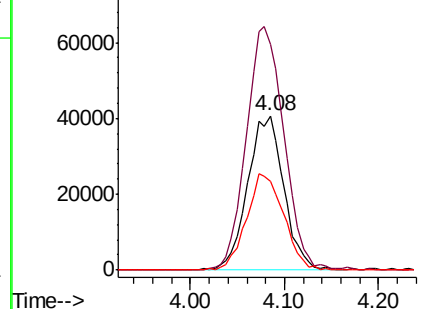
98 57.9 47.8 71.6

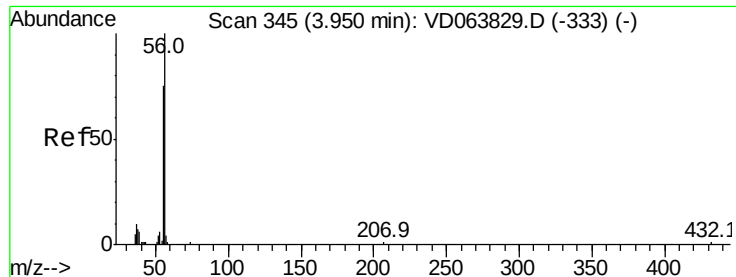


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 230.602 ug/l

RT: 3.94 min Scan# 344

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

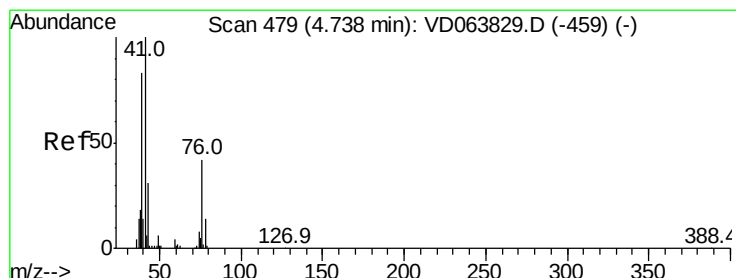
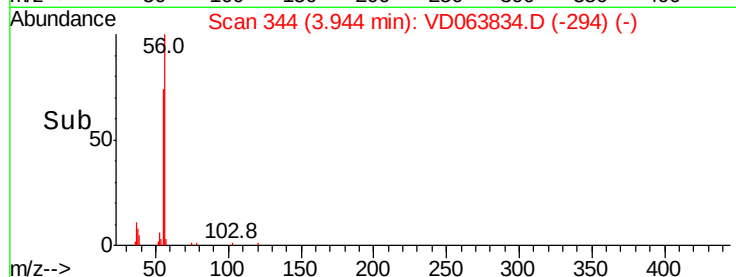
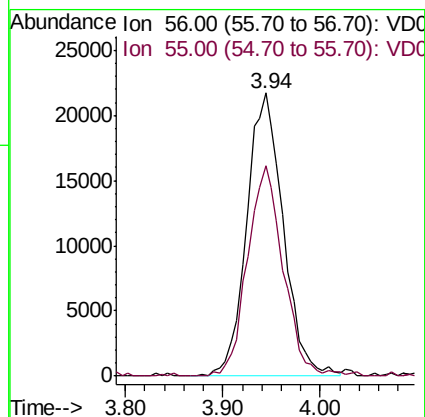
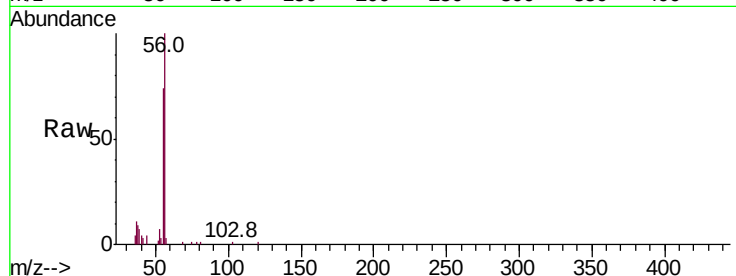
BFB39

Tot Ion: 56 Resp: 56804

Ion Ratio Lower Upper

56 100

55 72.1 55.0 82.6



#14

Allyl chloride

Concen: 45.632 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

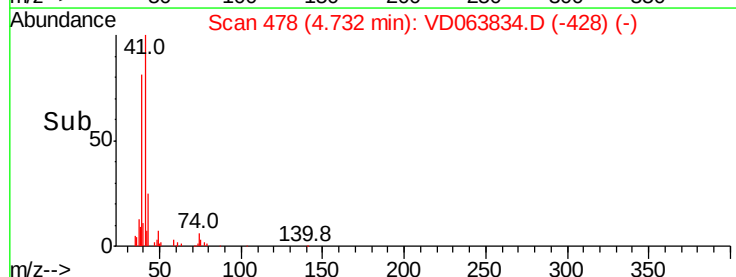
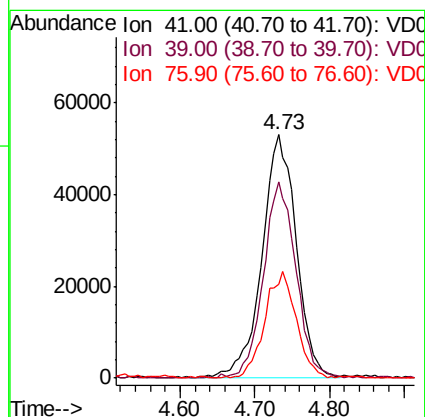
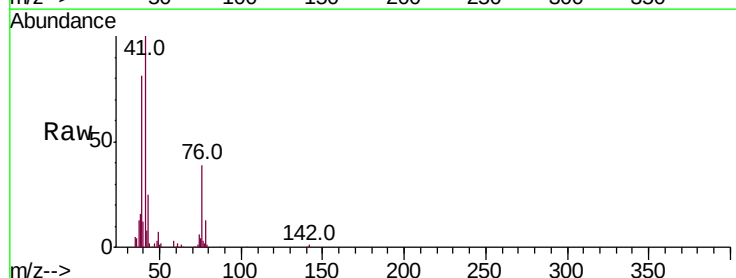
Tgt Ion: 41 Resp: 169849

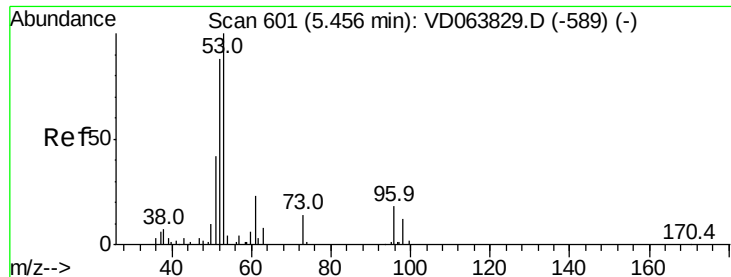
Ion Ratio Lower Upper

41 100

39 76.5 63.7 95.5

76 40.1 33.5 50.3





#15

Acrylonitrile

Concen: 224.068 ug/l

RT: 5.46 min Scan# 601

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

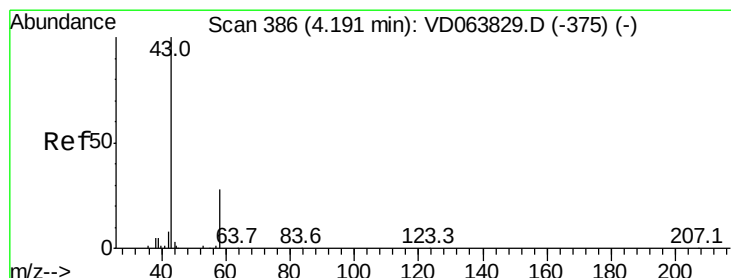
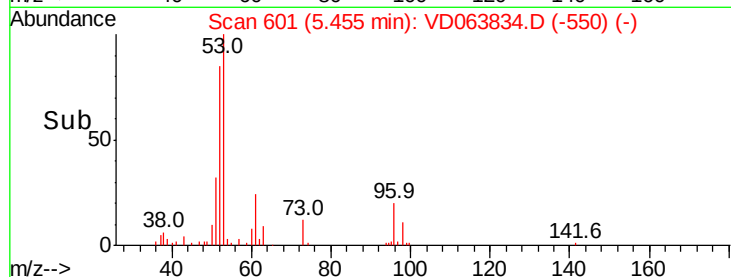
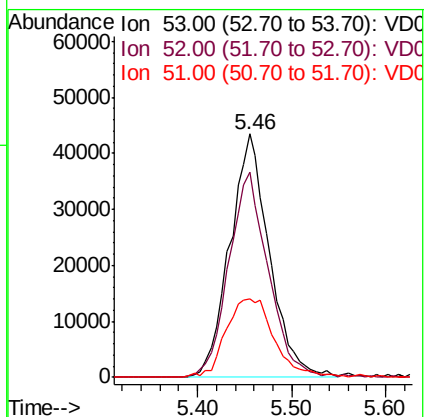
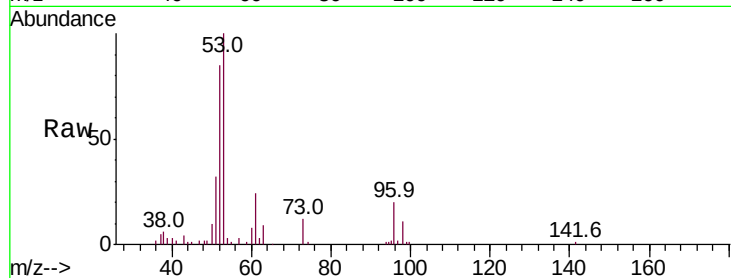
Tot Ion: 53 Resp: 126925

Ion Ratio Lower Upper

53 100

52 84.1 68.7 103.1

51 39.5 30.7 46.1



#16

Acetone

Concen: 297.429 ug/l

RT: 4.19 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD063834.D

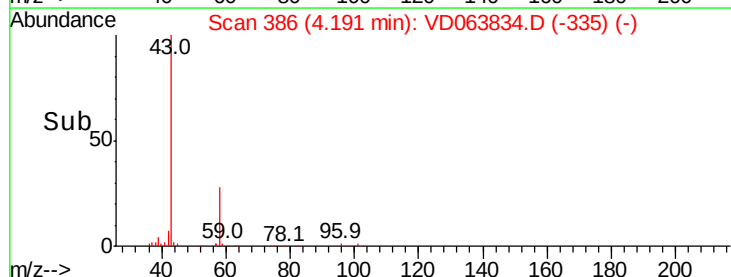
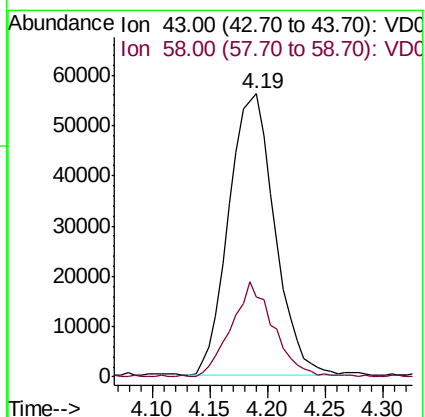
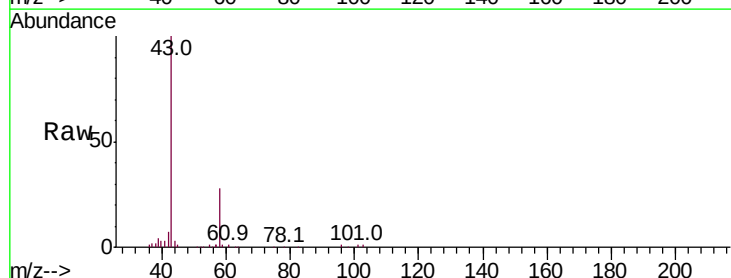
Acq: 26 Sep 2019 11:20

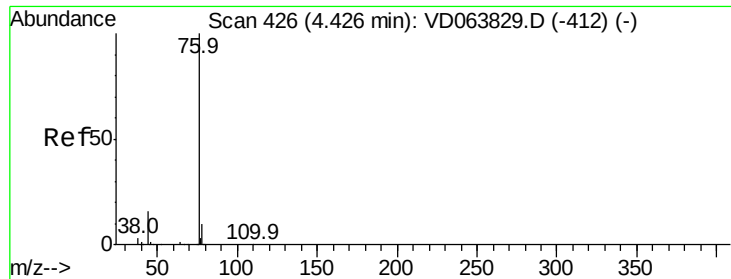
Tgt Ion: 43 Resp: 154149

Ion Ratio Lower Upper

43 100

58 28.4 22.6 34.0

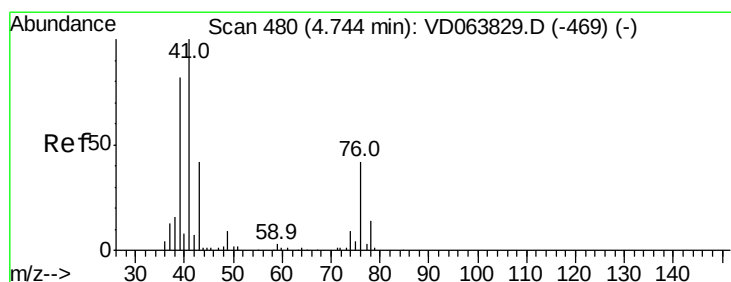
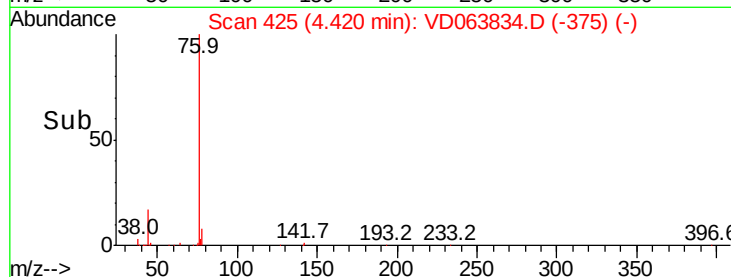
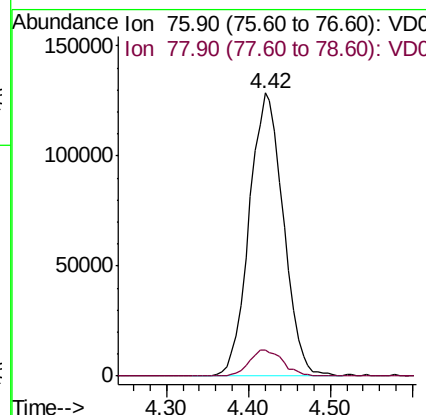
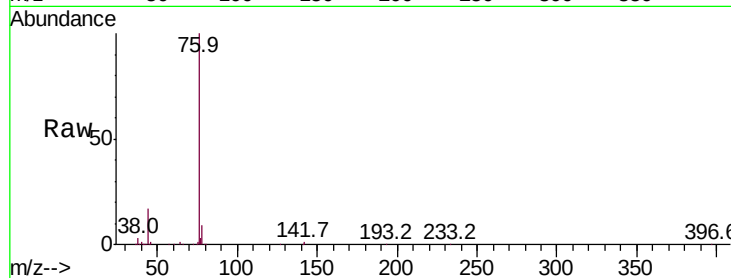




#17
Carbon Disulfide
Concen: 46.957 ug/l
RT: 4.42 min Scan# 425
Delta R.T. -0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

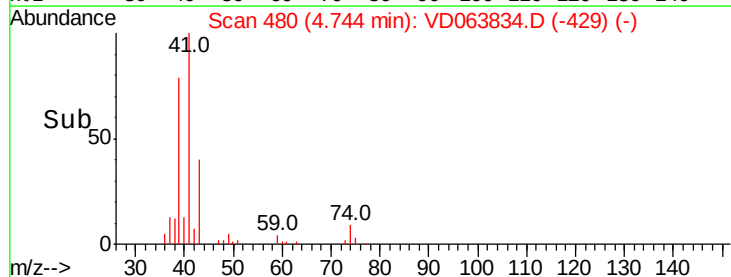
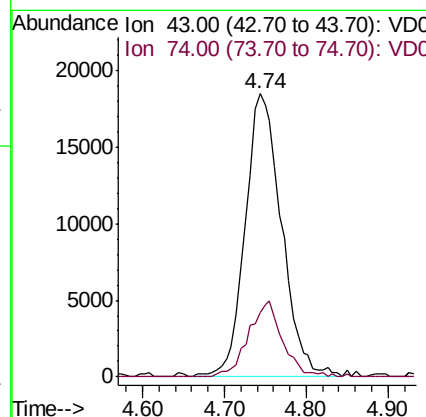
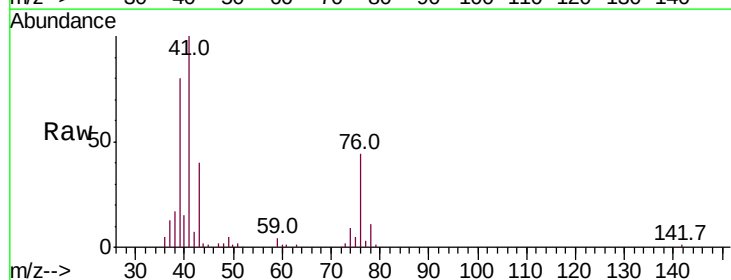
Instrument :
MSVOA_D
ClientSampleId :
BFB39

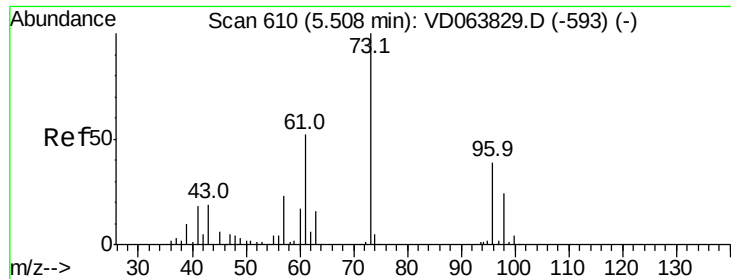
Tot Ion: 76 Resp: 373785
Ion Ratio Lower Upper
76 100
78 9.3 7.9 11.9



#18
Methyl Acetate
Concen: 45.138 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 43 Resp: 57305
Ion Ratio Lower Upper
43 100
74 25.0 18.6 28.0

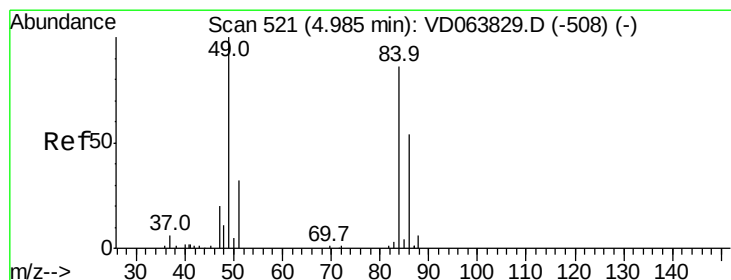
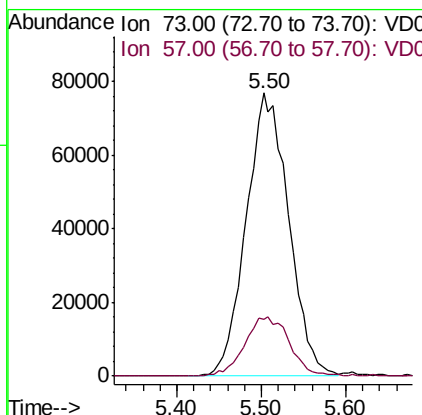
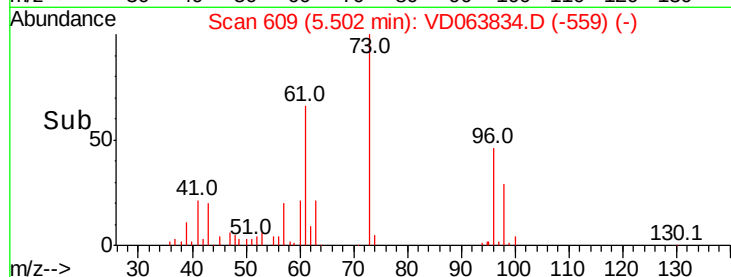
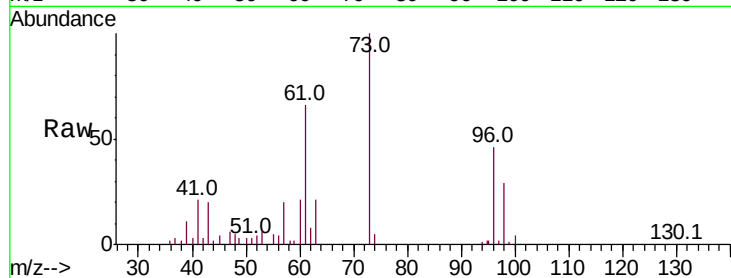




#19
Methyl tert-butyl Ether
Concen: 45.438 ug/l
RT: 5.50 min Scan# 609
Delta R.T. -0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

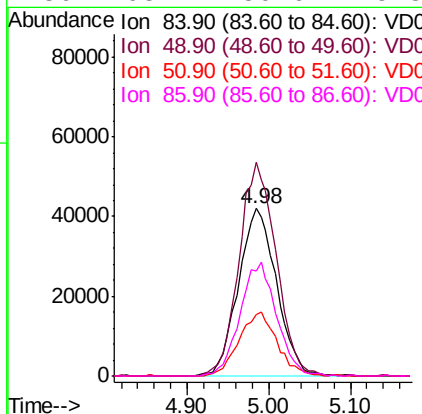
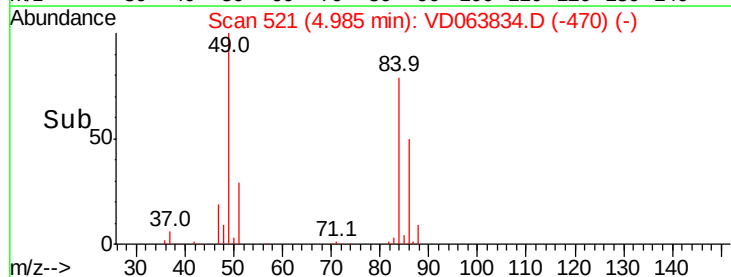
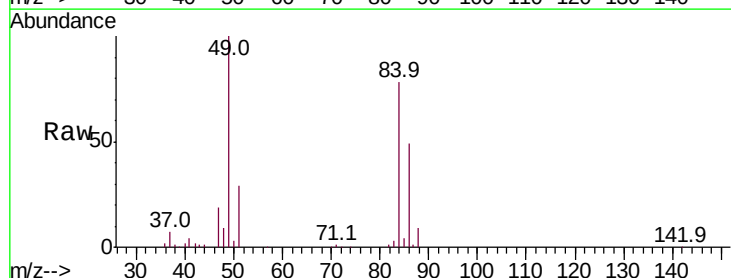
Instrument :
MSVOA_D
ClientSampleId :
BFB39

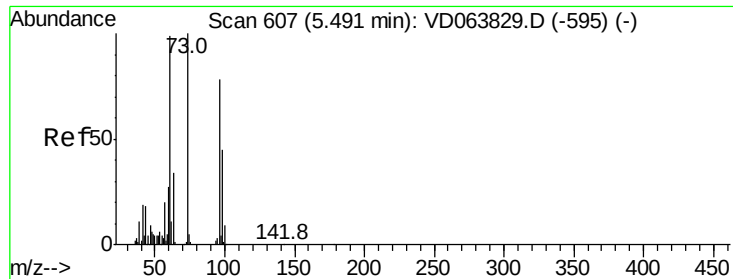
Tot Ion: 73 Resp: 267878
Ion Ratio Lower Upper
73 100
57 20.2 18.7 28.1



#20
Methylene Chloride
Concen: 47.557 ug/l
RT: 4.98 min Scan# 521
Delta R.T. 0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 84 Resp: 136440
Ion Ratio Lower Upper
84 100
49 127.8 93.6 140.4
51 36.6 29.8 44.6
86 63.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 46.562 ug/l

RT: 5.49 min Scan# 607

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

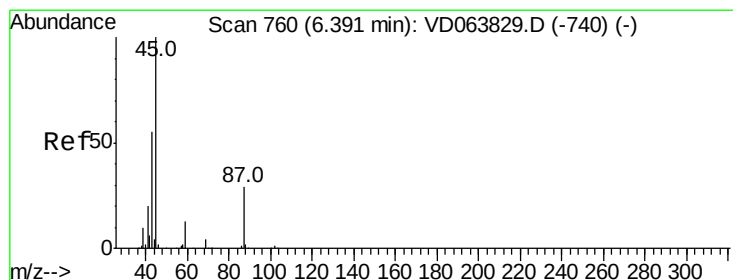
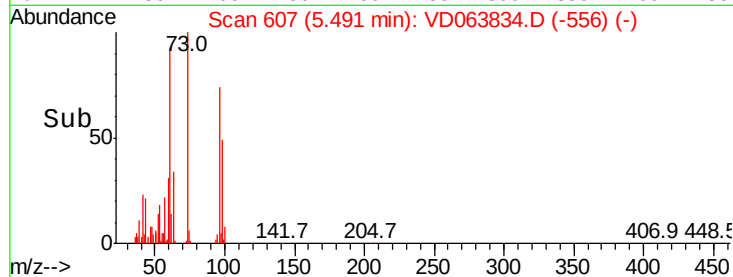
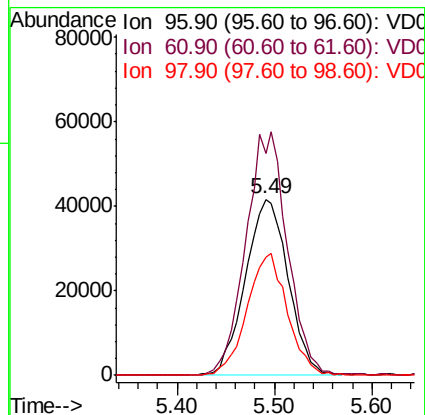
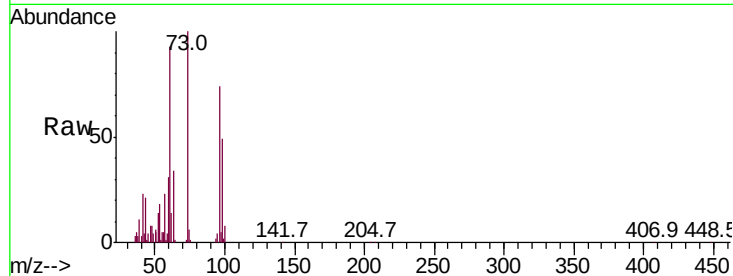
Tot Ion: 96 Resp: 127623

Ion Ratio Lower Upper

96 100

61 126.5 101.3 151.9

98 67.0 45.4 68.2



#22

Diisopropyl ether

Concen: 44.293 ug/l

RT: 6.39 min Scan# 760

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Tgt Ion: 45 Resp: 340499

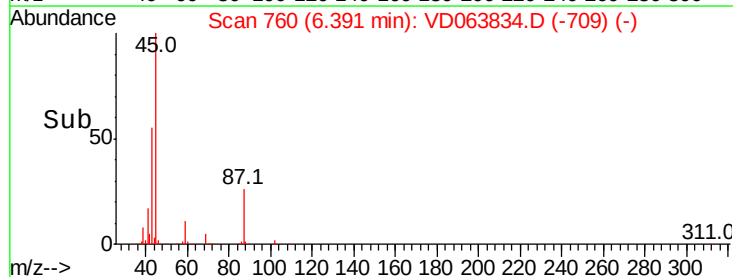
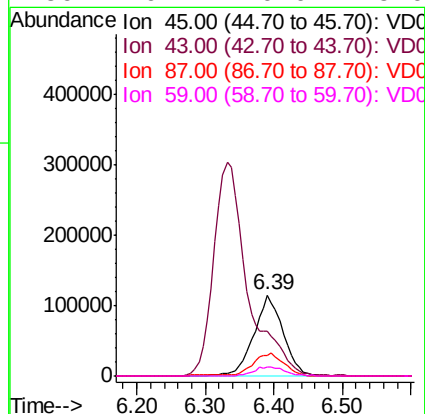
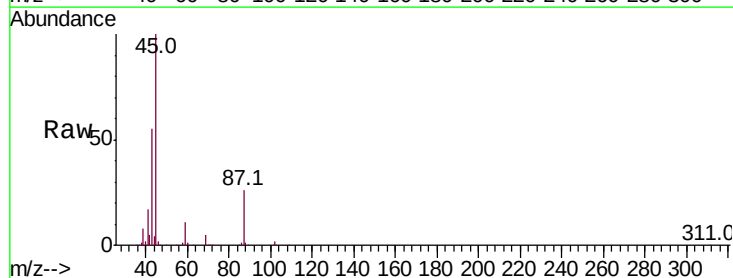
Ion Ratio Lower Upper

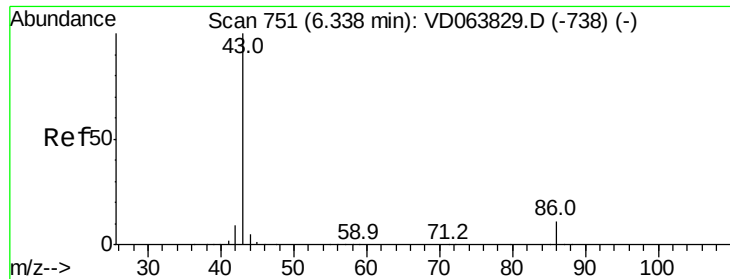
45 100

43 54.3 44.2 66.2

87 25.6 23.9 35.9

59 10.7 10.0 15.0





#23

Vinyl Acetate

Concen: 229.973 ug/l

RT: 6.33 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

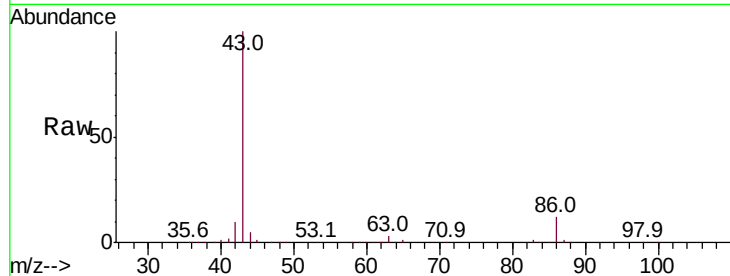
BFB39

Tot Ion: 43 Resp: 1045675

Ion Ratio Lower Upper

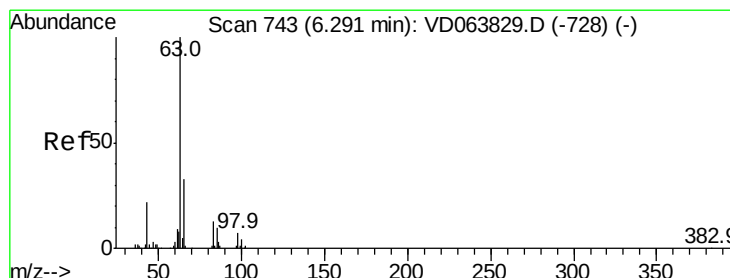
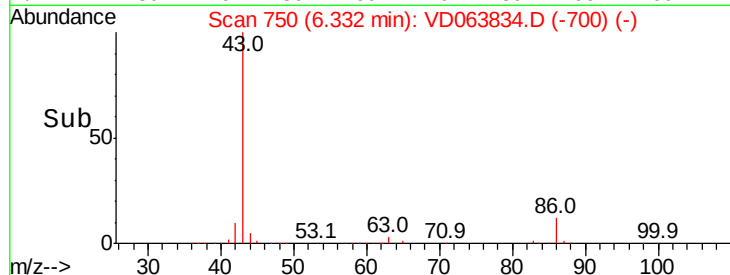
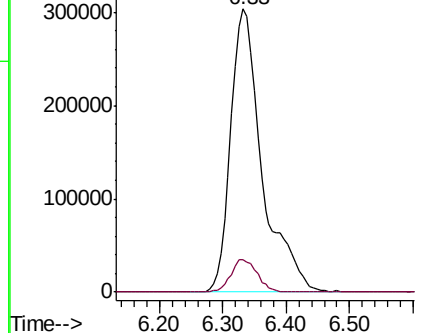
43 100

86 11.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.517 ug/l

RT: 6.28 min Scan# 742

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

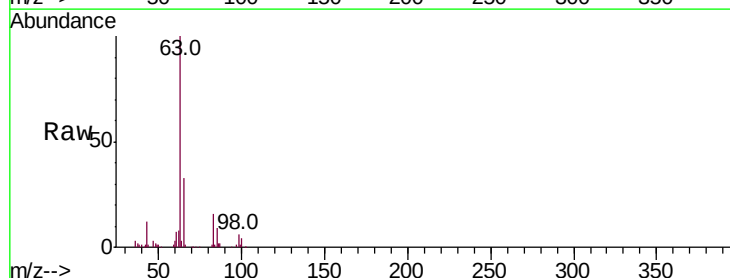
Tgt Ion: 63 Resp: 217252

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

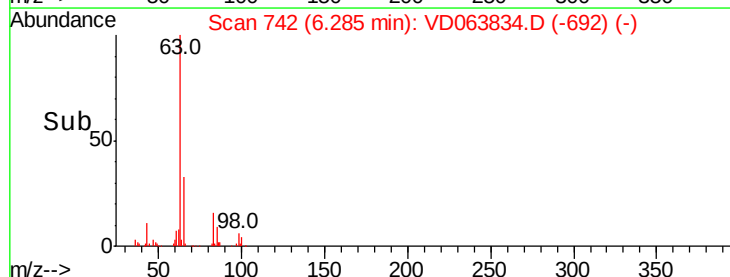
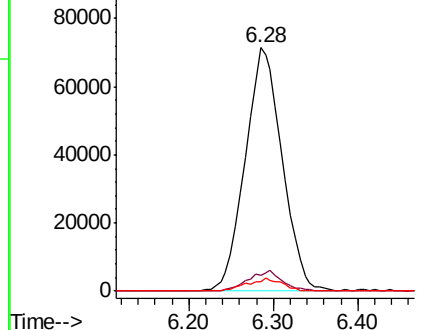
100 3.9 2.0 6.0

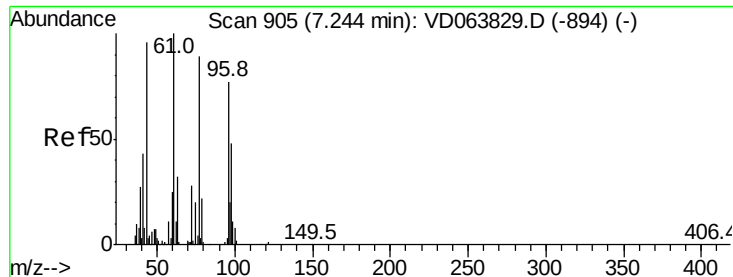


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 229.157 ug/l

RT: 7.24 min Scan# 905

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

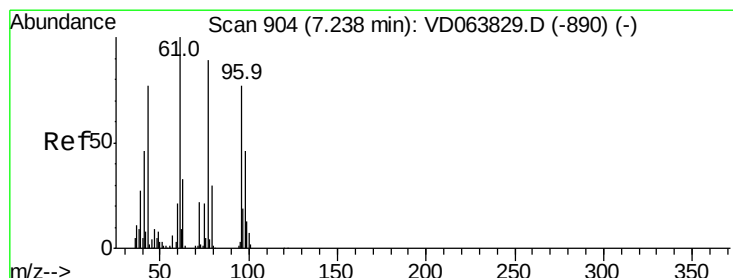
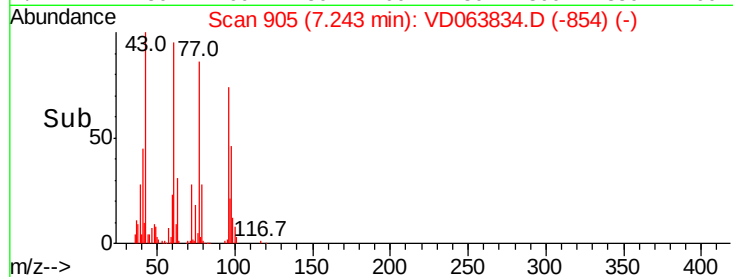
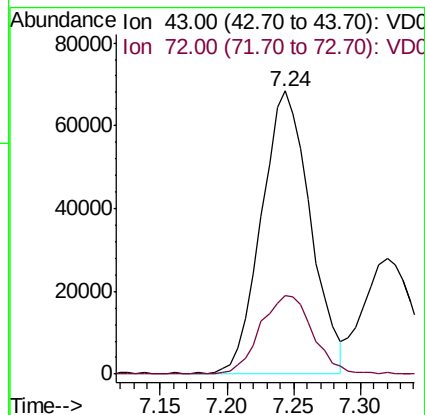
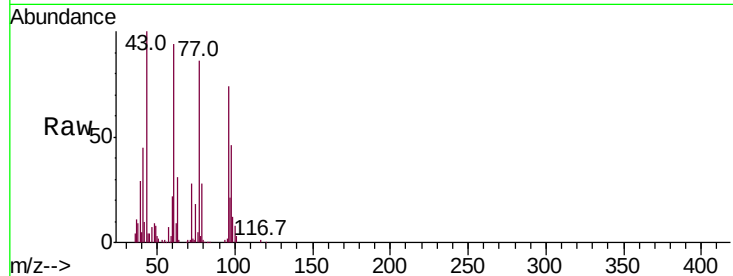
BFB39

Tot Ion: 43 Resp: 174613

Ion Ratio Lower Upper

43 100

72 27.6 23.5 35.3



#26

2,2-Dichloropropane

Concen: 47.299 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063834.D

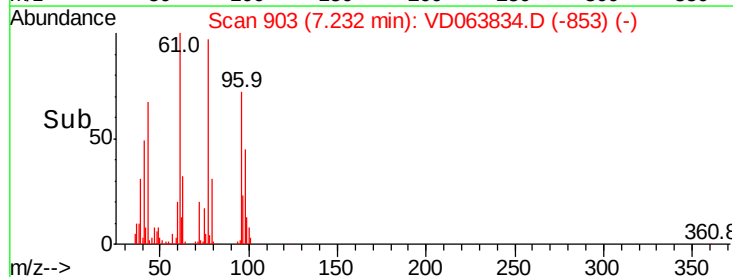
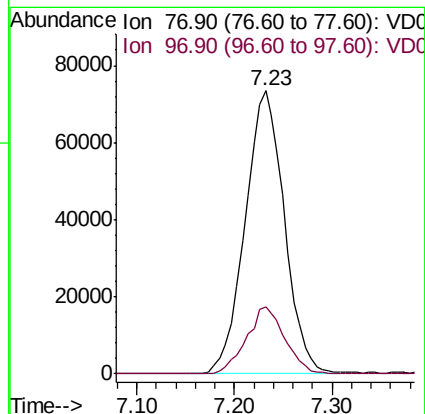
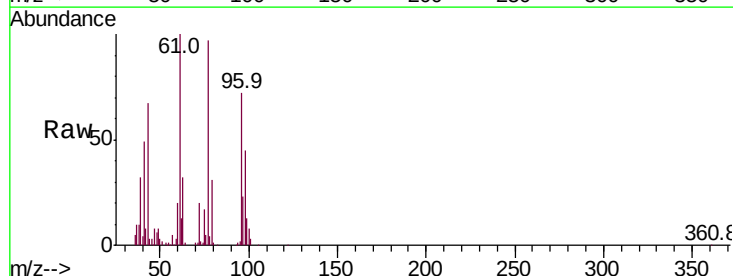
Acq: 26 Sep 2019 11:20

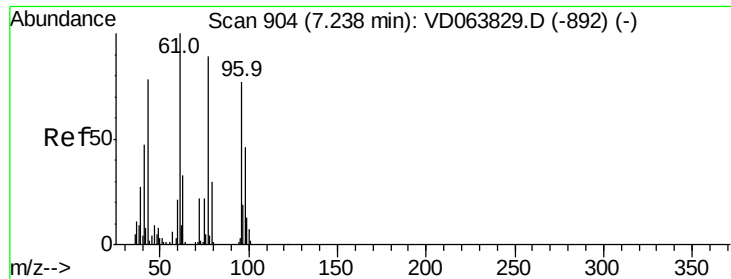
Tgt Ion: 77 Resp: 206593

Ion Ratio Lower Upper

77 100

97 23.2 10.9 32.7



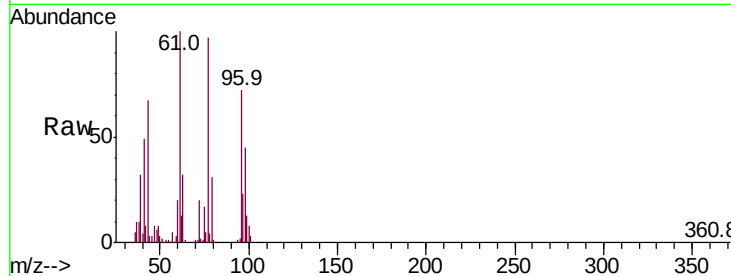


#27

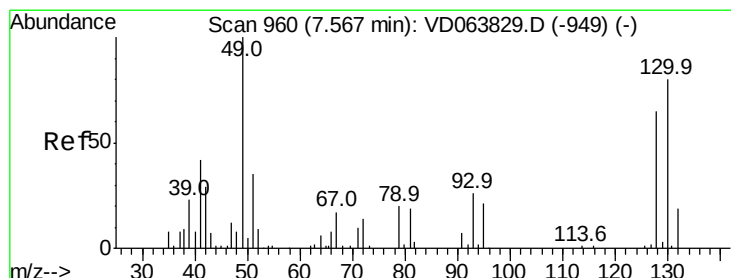
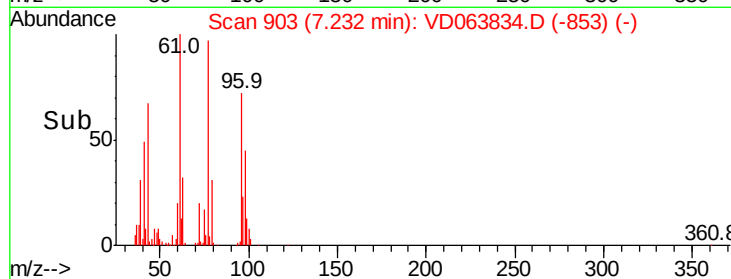
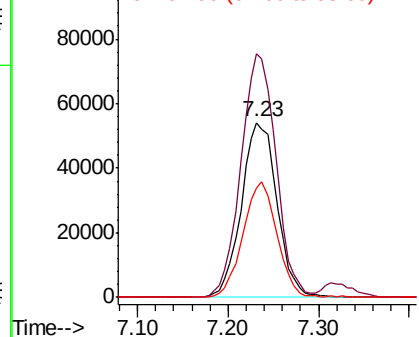
cis-1,2-Dichloroethene
 Concen: 48.030 ug/l
 RT: 7.23 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

Tot Ion: 96 Resp: 147719
 Ion Ratio Lower Upper
 96 100
 61 137.1 0.0 275.6
 98 62.6 0.0 130.2



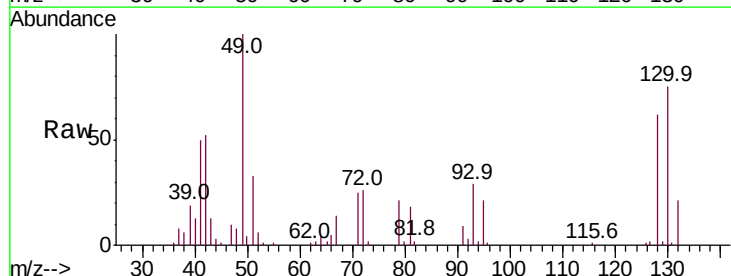
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



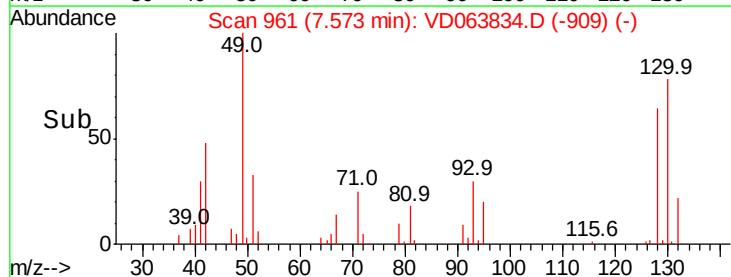
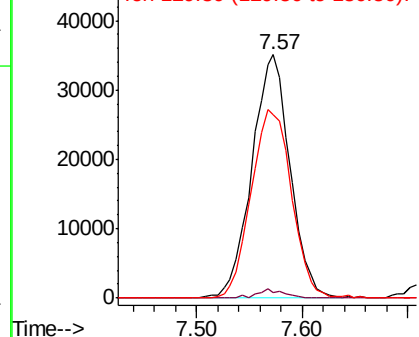
#28

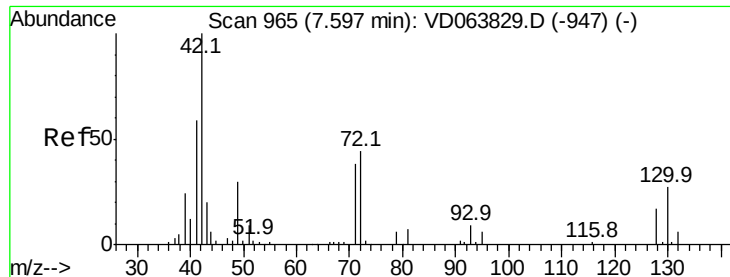
Bromochloromethane
 Concen: 48.041 ug/l
 RT: 7.57 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion: 49 Resp: 88043
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 2.6
 130 82.0 67.0 100.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 216.755 ug/l

RT: 7.59 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

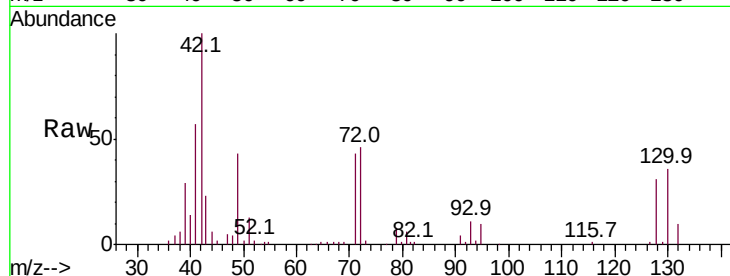
Tot Ion: 42 Resp: 98964

Ion Ratio Lower Upper

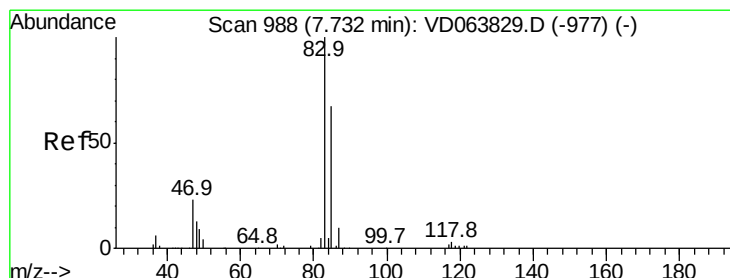
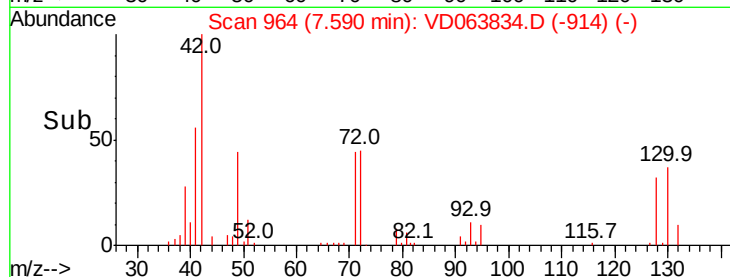
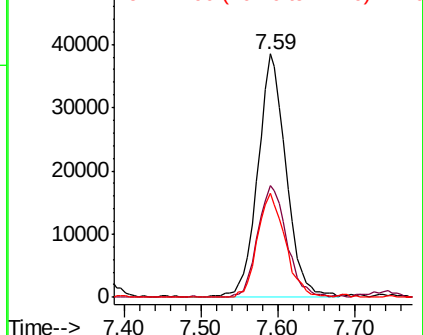
42 100

72 47.0 37.3 55.9

71 42.0 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: 46.584 ug/l

RT: 7.73 min Scan# 988

Delta R.T. -0.00 min

Lab File: VD063834.D

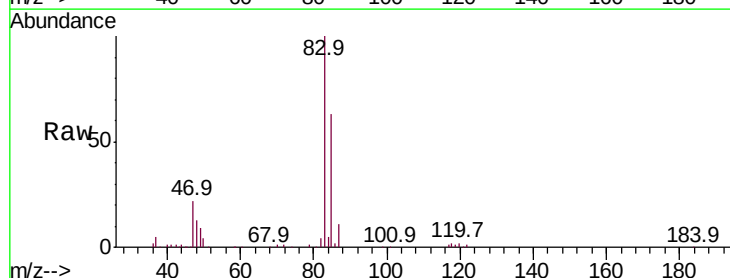
Acq: 26 Sep 2019 11:20

Tgt Ion: 83 Resp: 236313

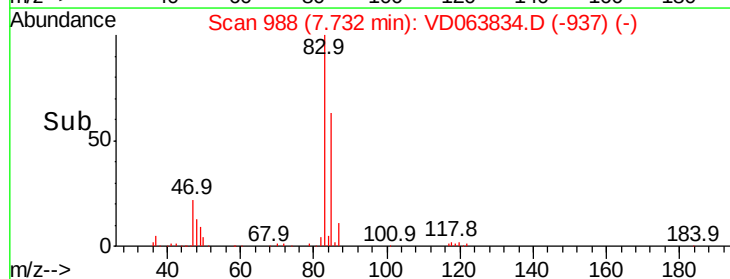
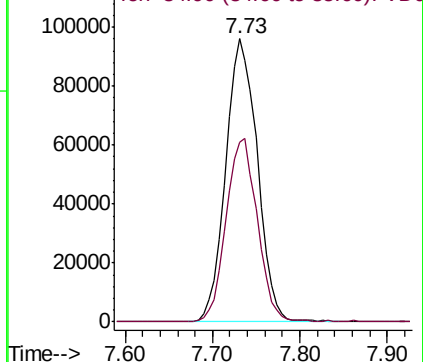
Ion Ratio Lower Upper

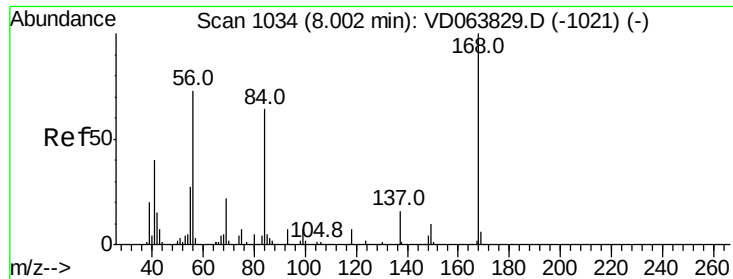
83 100

85 63.5 53.4 80.2



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

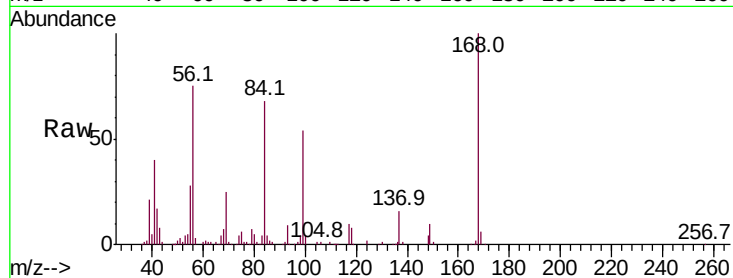




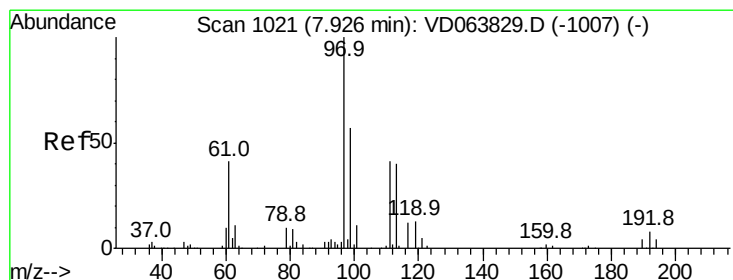
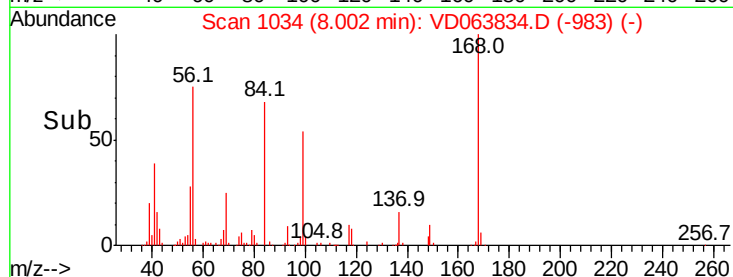
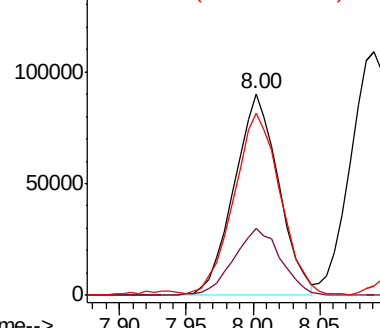
#31
Cyclohexane
Concen: 51.935 ug/l
RT: 8.00 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Instrument :
MSVOA_D
ClientSampled :
BFB39

Tot Ion: 56 Resp: 208450
Ion Ratio Lower Upper
56 100
69 33.1 23.1 34.7
84 87.8 69.7 104.5

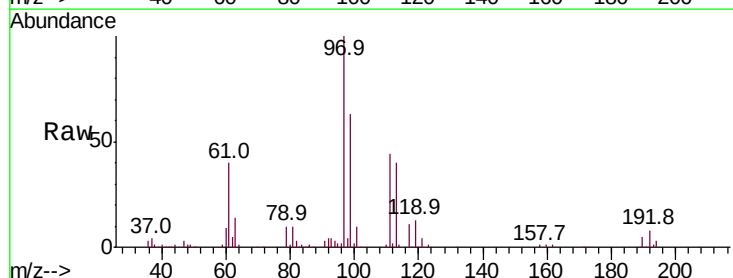


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

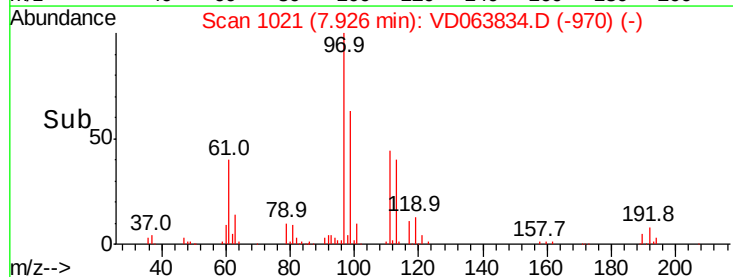
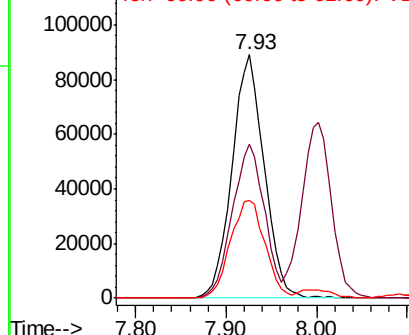


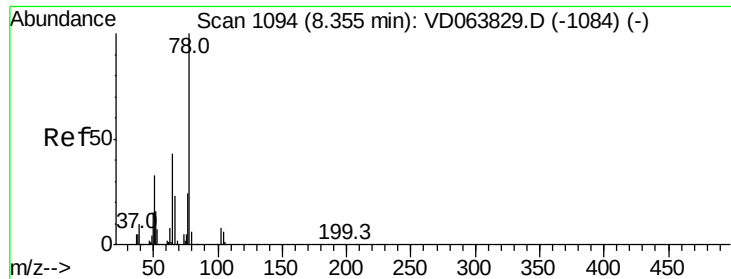
#32
1,1,1-Trichloroethane
Concen: 47.821 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 97 Resp: 219354
Ion Ratio Lower Upper
97 100
99 63.2 52.9 79.3
61 43.0 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

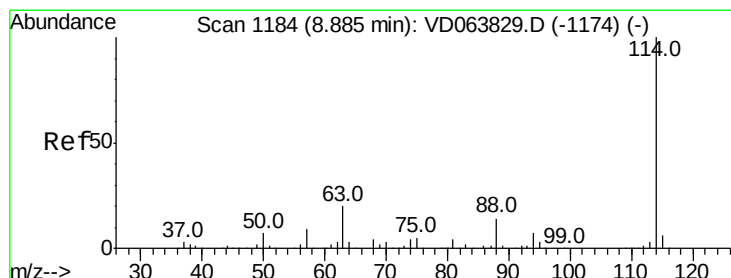
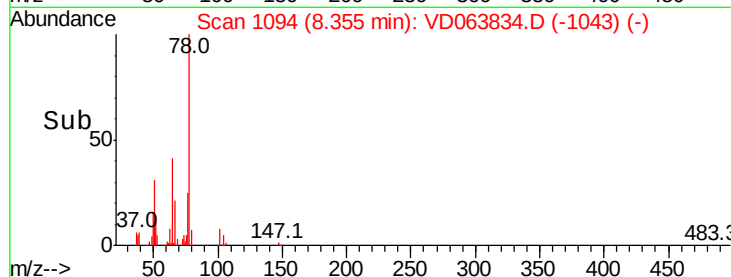
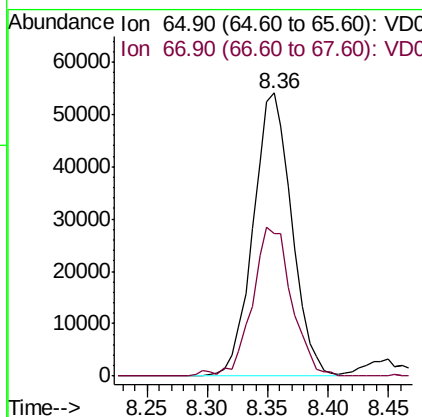
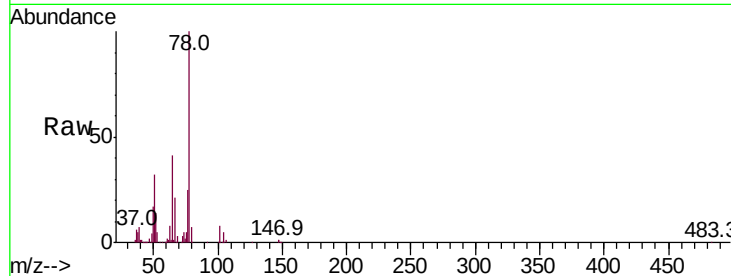




#33
 1,2-Dichloroethane-d4
 Concen: 46.288 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

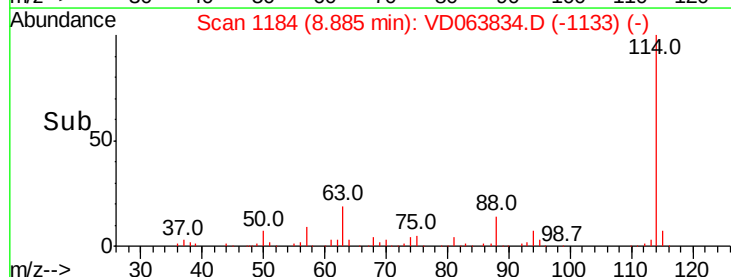
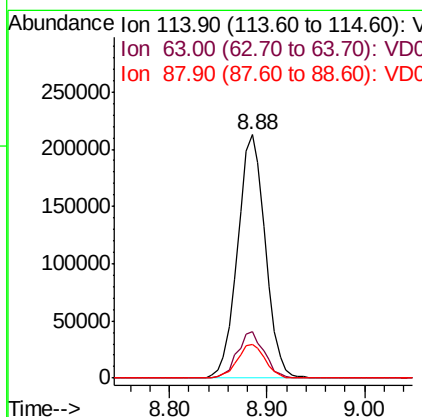
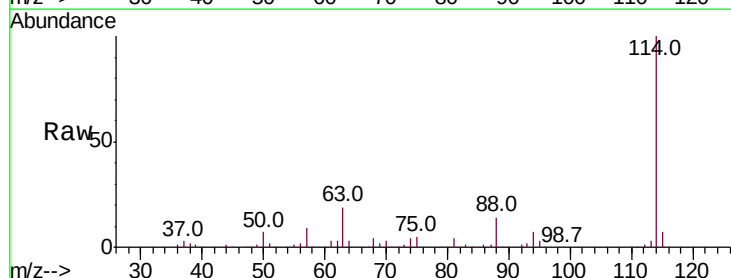
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

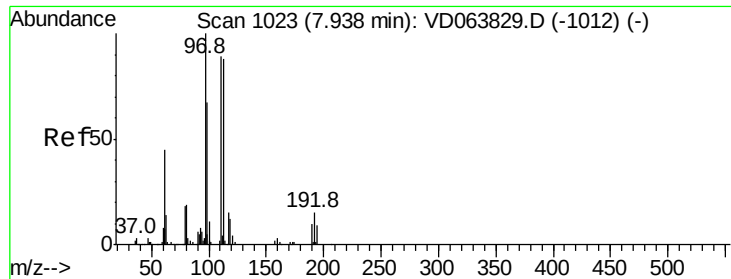
Tot Ion: 65 Resp: 120191
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.88 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion: 114 Resp: 420620
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 14.1 0.0 28.4

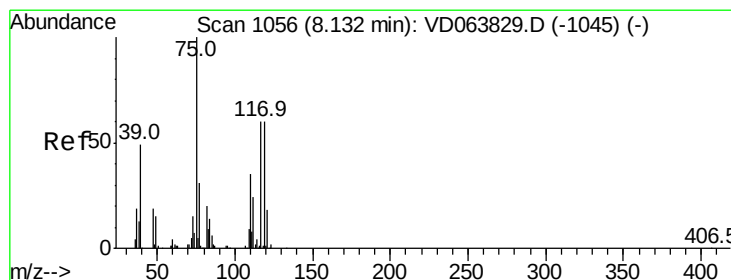
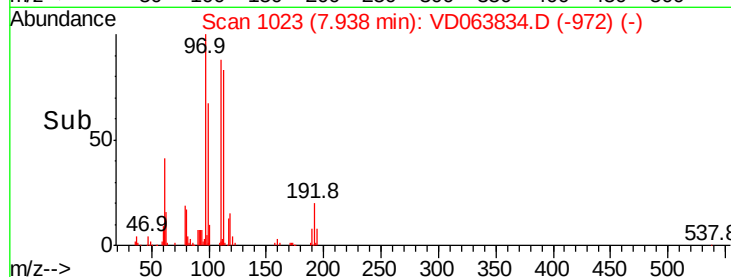
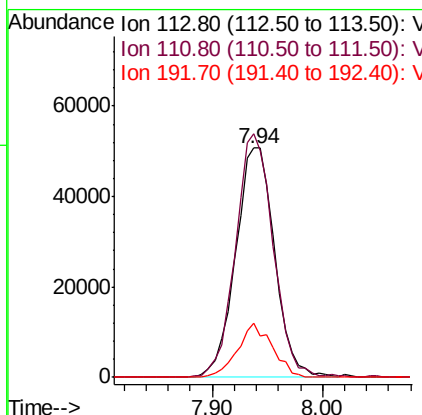
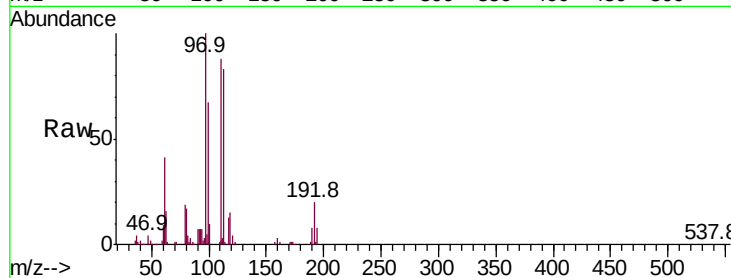




#35
 Dibromofluoromethane
 Concen: 47.201 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

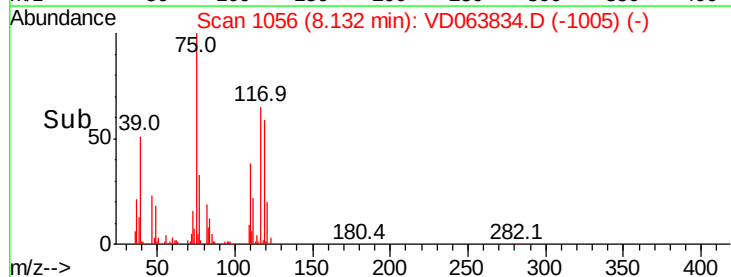
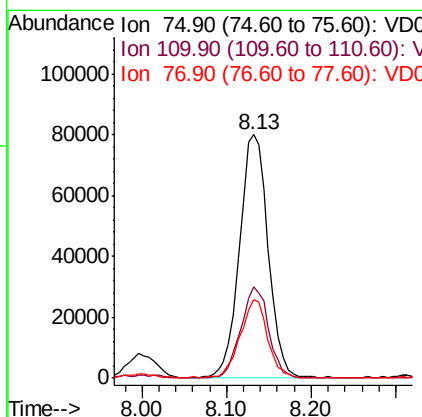
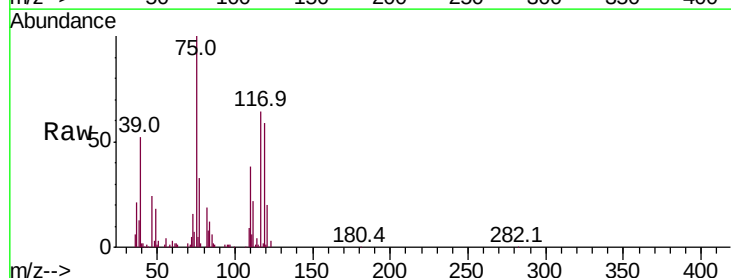
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

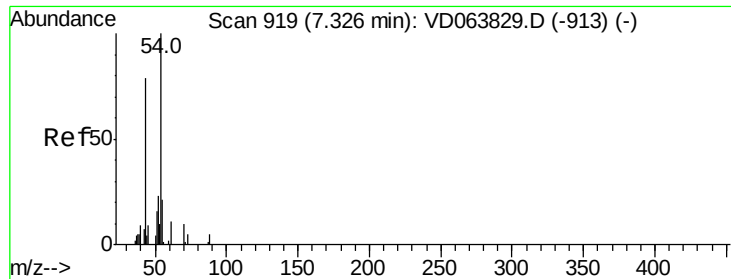
Tot Ion:113 Resp: 126032
 Ion Ratio Lower Upper
 113 100
 111 102.2 77.7 116.5
 192 21.0 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 49.106 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion: 75 Resp: 188404
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.5 52.5
 77 31.0 24.9 37.3

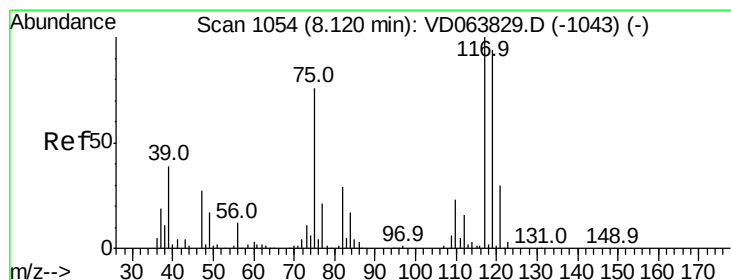
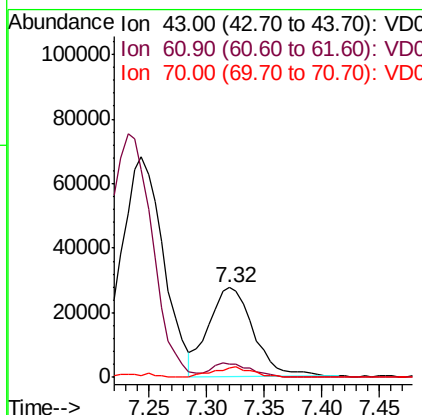
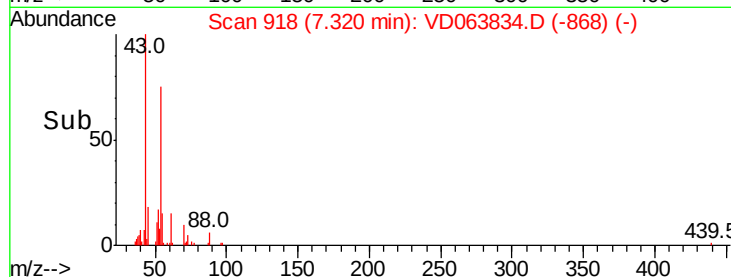
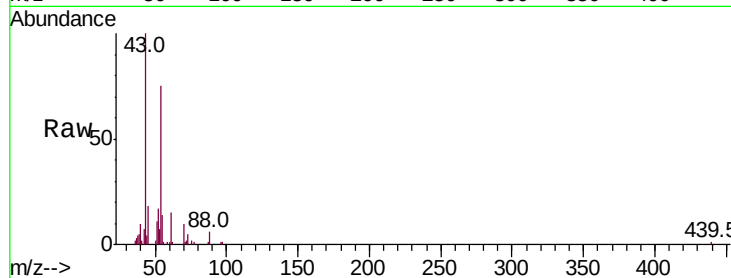




#37
Ethyl Acetate
Concen: 51.871 ug/l
RT: 7.32 min Scan# 918
Delta R.T. -0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

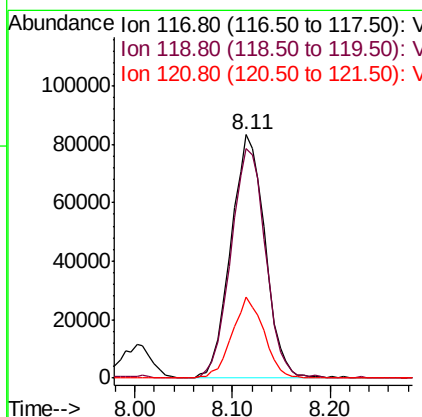
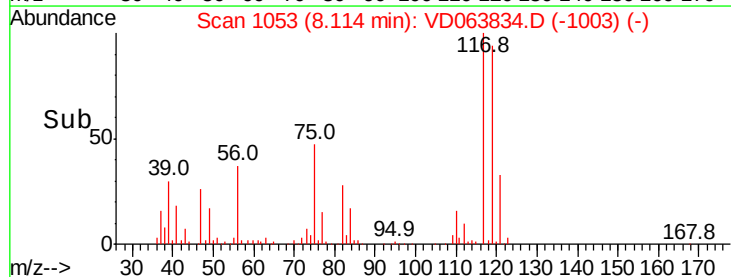
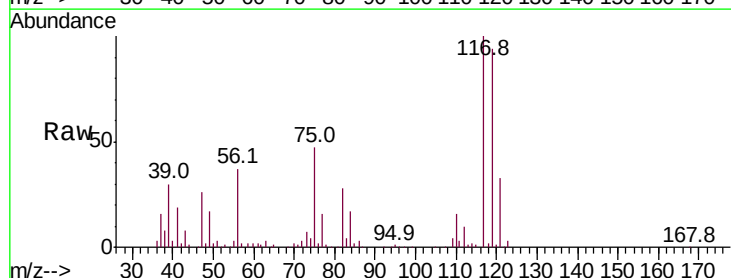
Instrument :
MSVOA_D
ClientSampleID :
BFB39

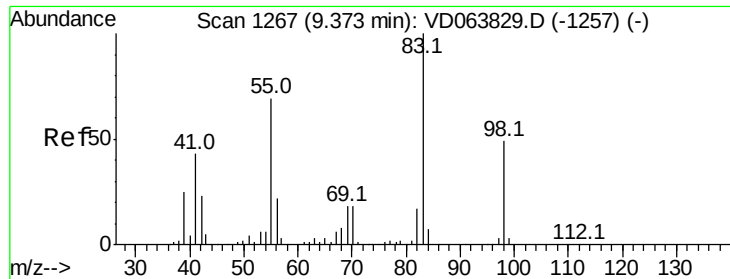
Tot Ion: 43 Resp: 74061
Ion Ratio Lower Upper
43 100
61 14.4 12.7 19.1
70 10.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 50.929 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 117 Resp: 203375
Ion Ratio Lower Upper
117 100
119 94.1 75.2 112.8
121 33.3 23.9 35.9

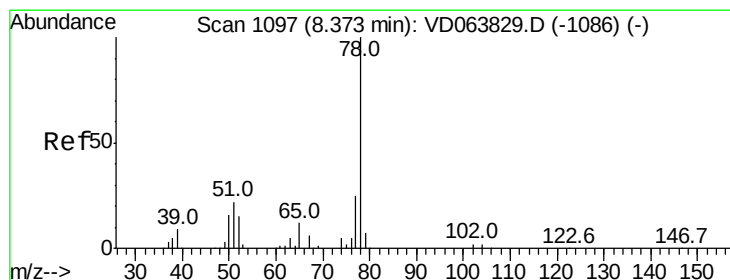
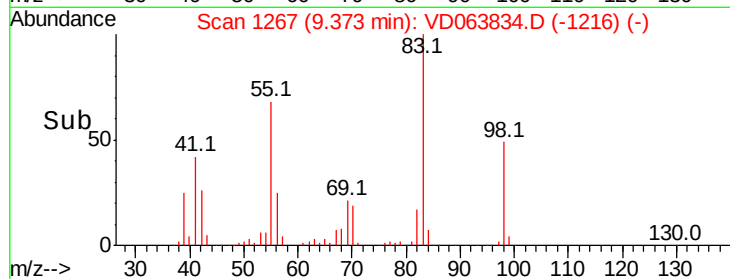
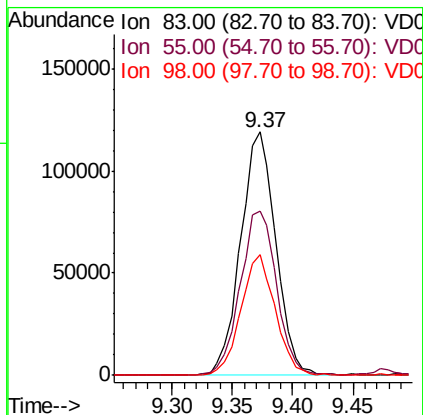
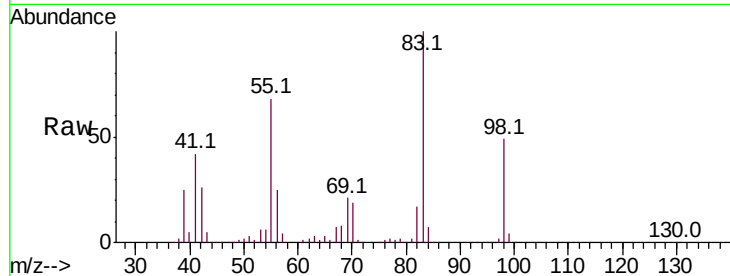




#39
Methylvlcyclohexane
Concen: 50.623 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

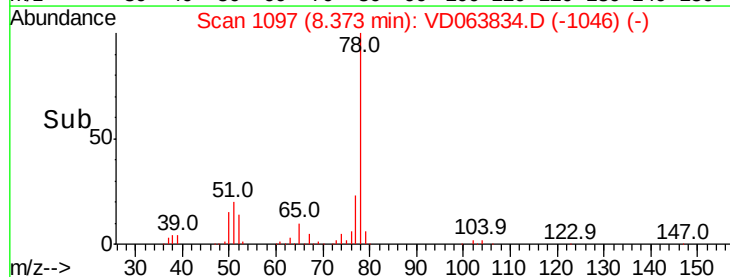
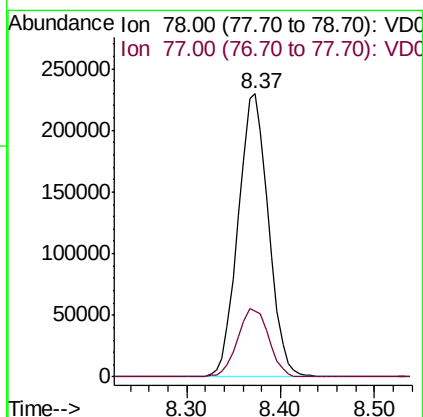
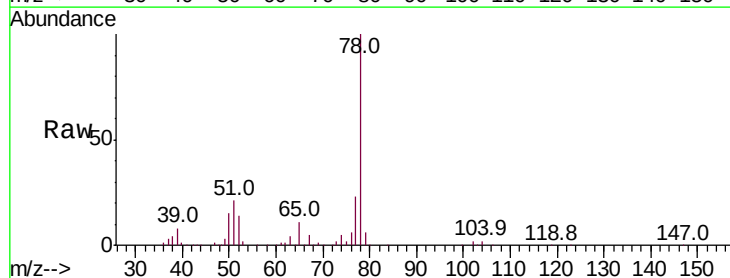
Instrument :
MSVOA_D
ClientSampleId :
BFB39

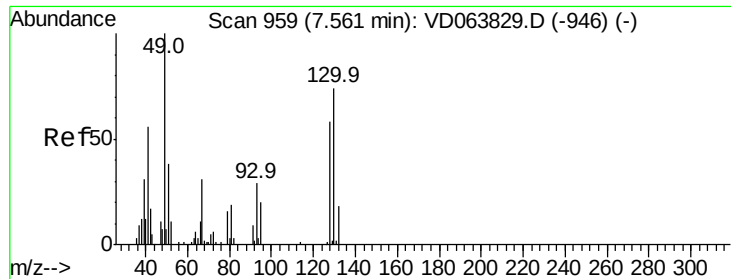
Tot Ion: 83 Resp: 241841
Ion Ratio Lower Upper
83 100
55 67.4 54.9 82.3
98 49.4 39.0 58.6



#40
Benzene
Concen: 48.608 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 78 Resp: 513601
Ion Ratio Lower Upper
78 100
77 23.4 19.8 29.6

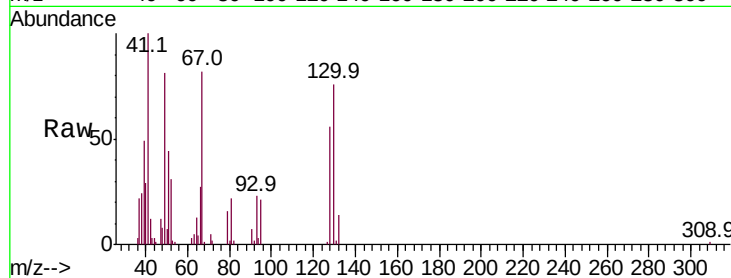




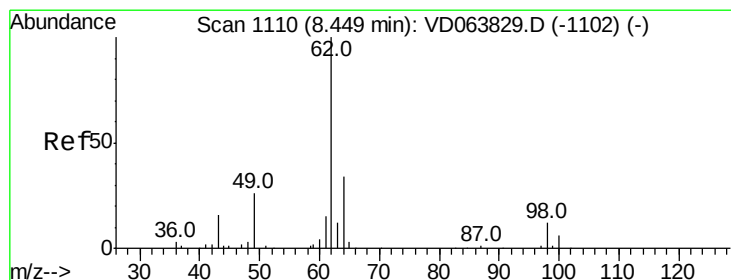
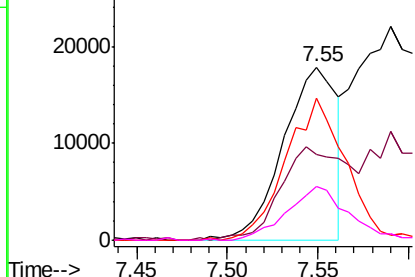
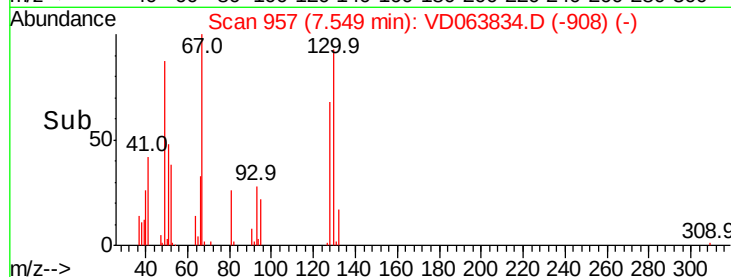
#41
Methacrylonitrile
Concen: 43.695 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
BFB39

Tot Ion: 41 Resp: 36984
Ion Ratio Lower Upper
41 100
39 69.9 52.2 78.4
67 92.0 58.6 87.8#
52 35.3 26.6 39.8

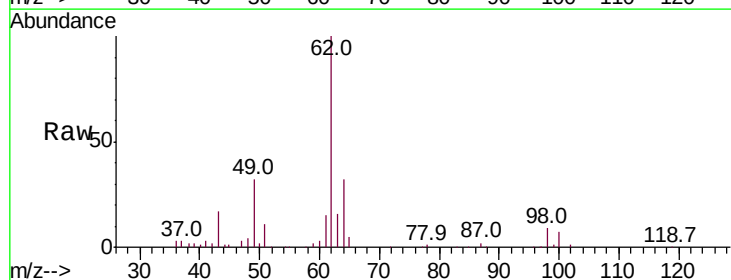


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

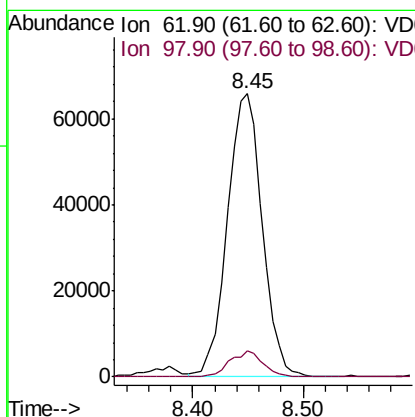
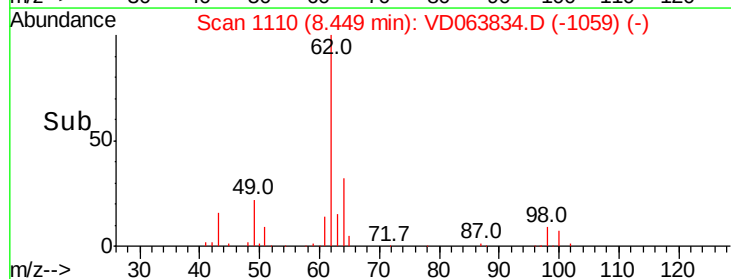


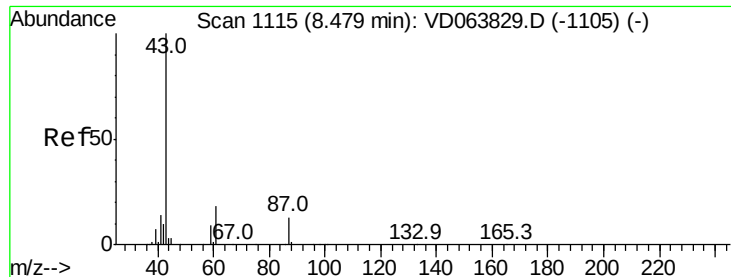
#42
1,2-Dichloroethane
Concen: 47.153 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 62 Resp: 145693
Ion Ratio Lower Upper
62 100
98 8.6 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: 44.892 ug/l

RT: 8.47 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

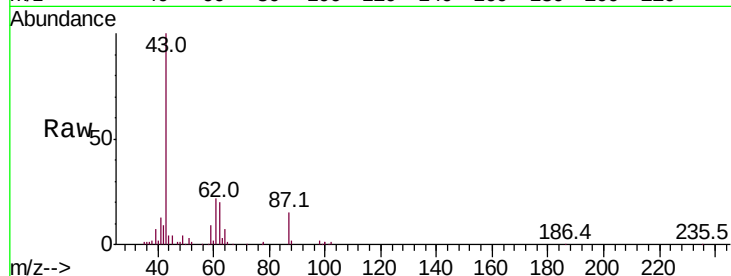
Tot Ion: 43 Resp: 144208

Ion Ratio Lower Upper

43 100

61 30.1 24.6 37.0

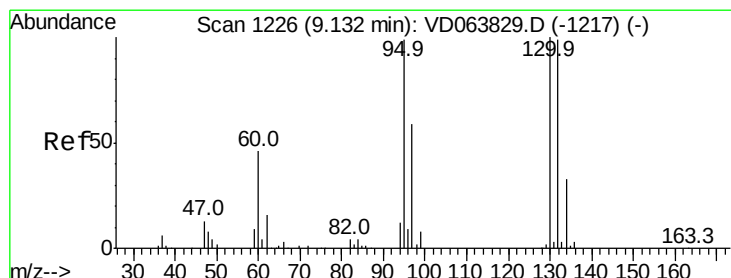
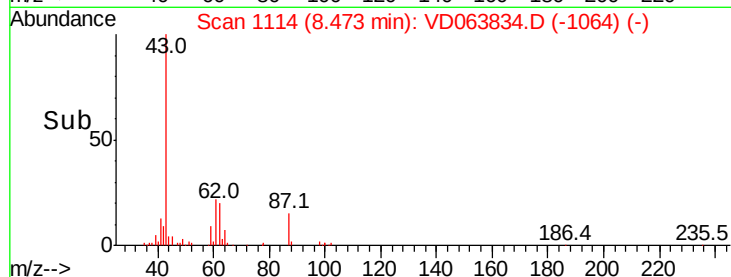
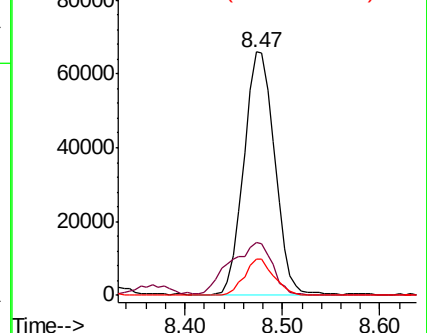
87 14.3 10.5 15.7



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: 49.414 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD063834.D

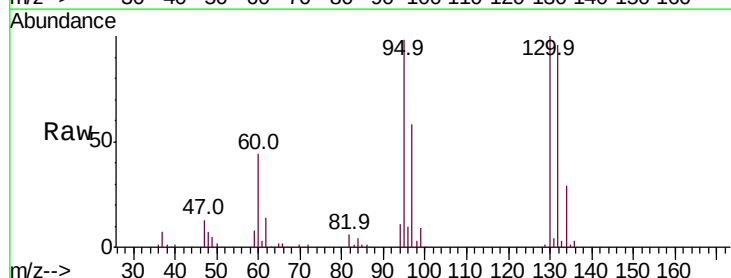
Acq: 26 Sep 2019 11:20

Tgt Ion:130 Resp: 151205

Ion Ratio Lower Upper

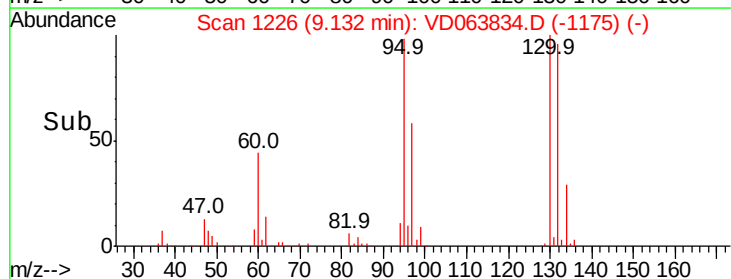
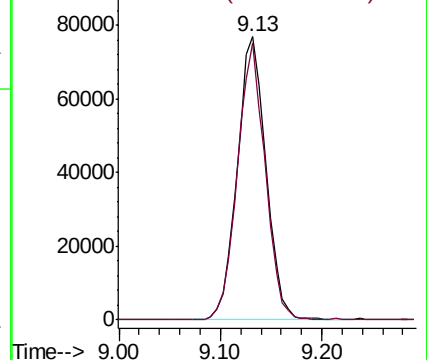
130 100

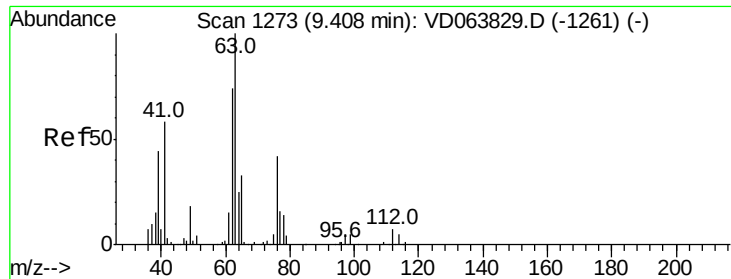
95 97.7 0.0 198.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.402 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

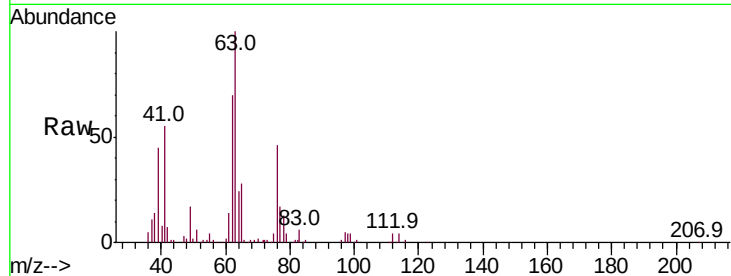
BFB39

Tot Ion: 63 Resp: 123724

Ion Ratio Lower Upper

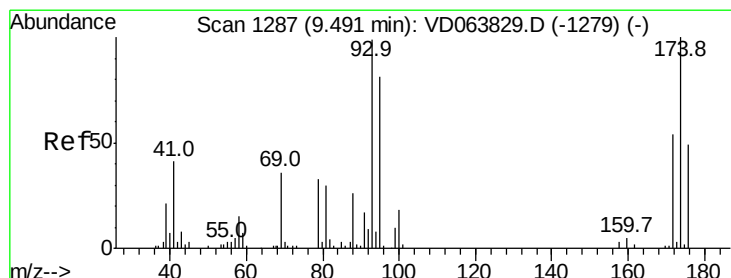
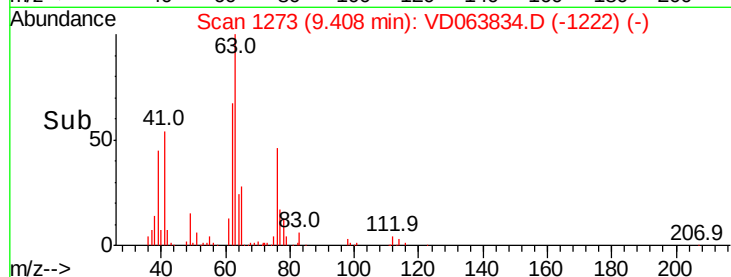
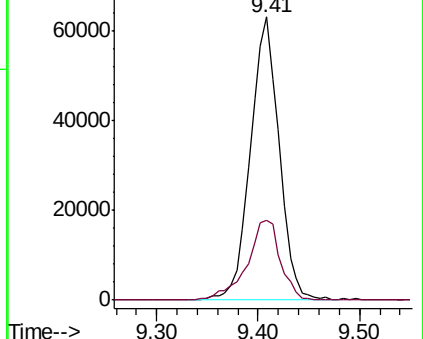
63 100

65 28.4 26.8 40.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.724 ug/l

RT: 9.50 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

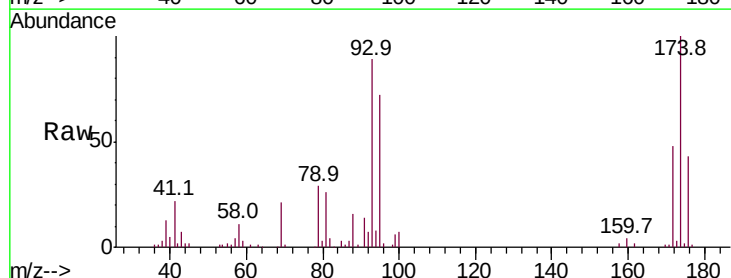
Tgt Ion: 93 Resp: 70306

Ion Ratio Lower Upper

93 100

95 85.7 63.8 95.8

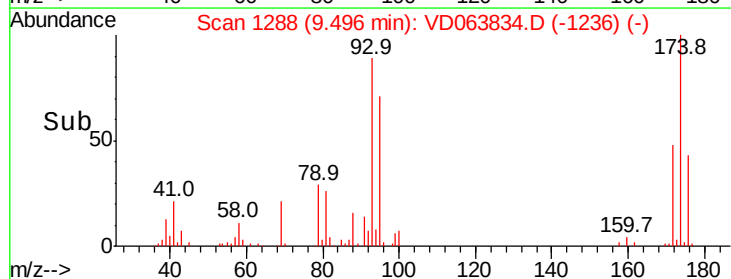
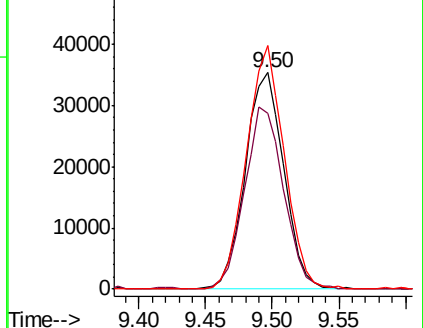
174 110.9 84.2 126.2

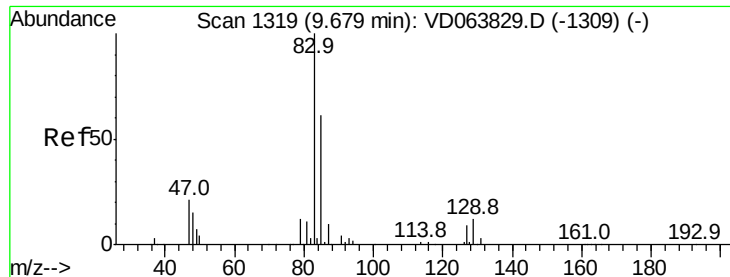


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.205 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

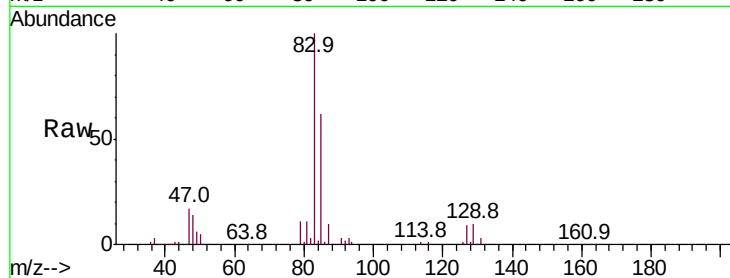
Tot Ion: 83 Resp: 186864

Ion Ratio Lower Upper

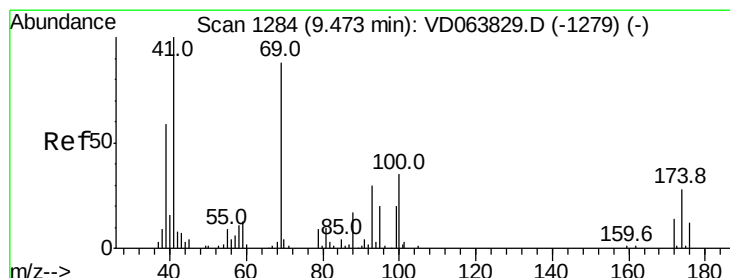
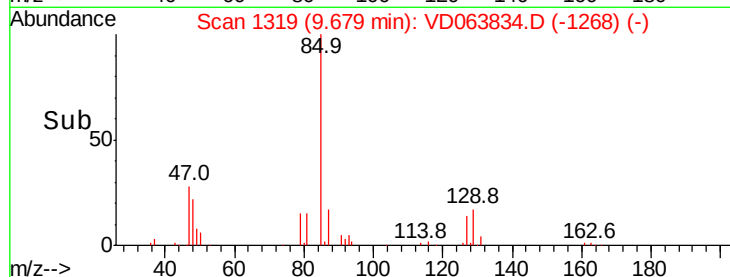
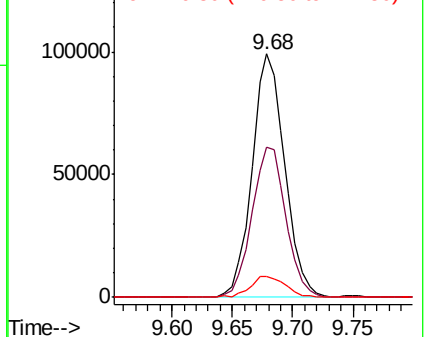
83 100

85 61.8 48.6 73.0

127 8.6 6.9 10.3



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



#48

Methyl methacrylate

Concen: 46.197 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

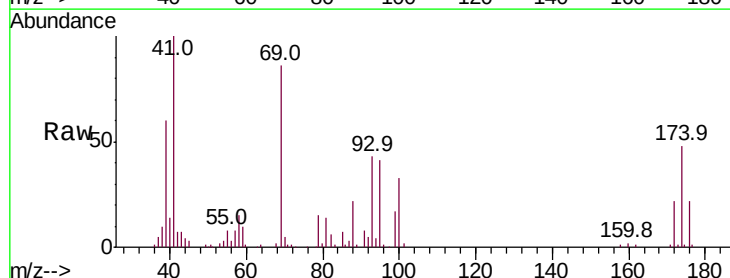
Tgt Ion: 41 Resp: 67495

Ion Ratio Lower Upper

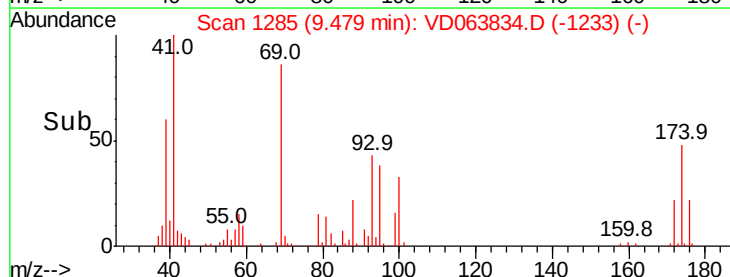
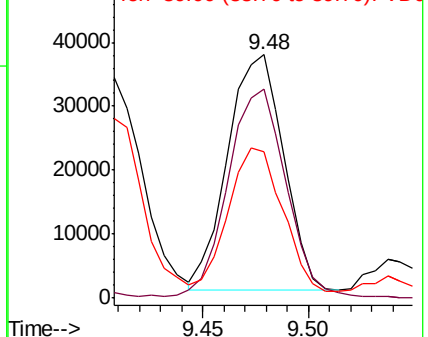
41 100

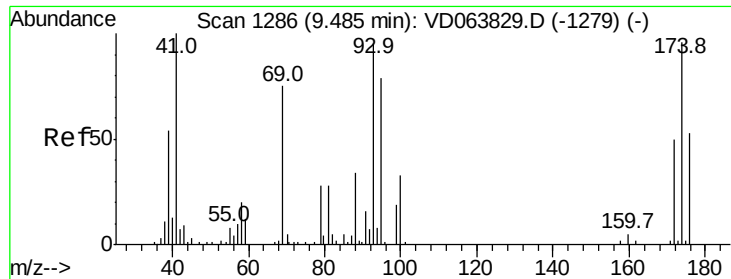
69 93.0 71.7 107.5

39 64.7 51.7 77.5



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 885.089 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

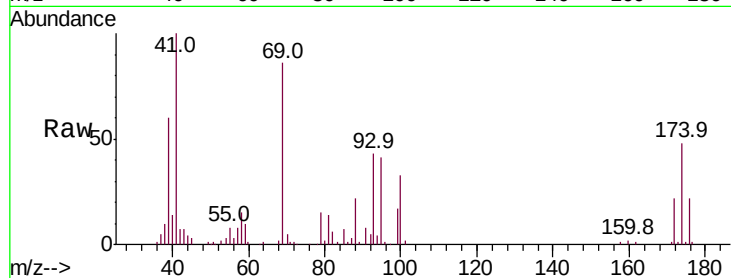
Tot Ion: 88 Resp: 18190

Ion Ratio Lower Upper

88 100

43 38.3 25.8 38.6

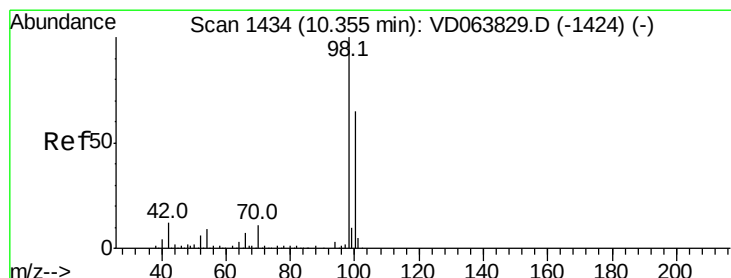
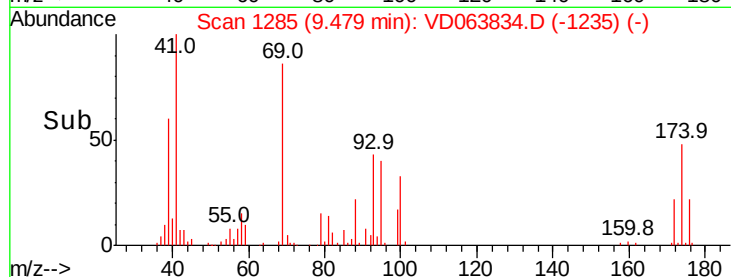
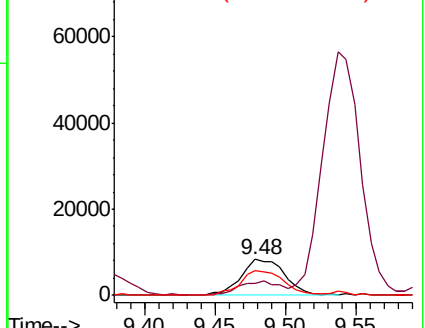
58 67.8 55.9 83.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.215 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VD063834.D

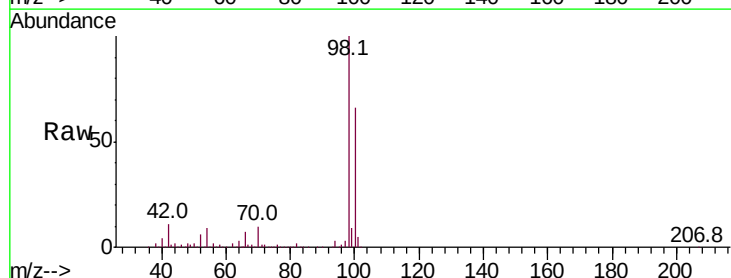
Acq: 26 Sep 2019 11:20

Tgt Ion: 98 Resp: 504712

Ion Ratio Lower Upper

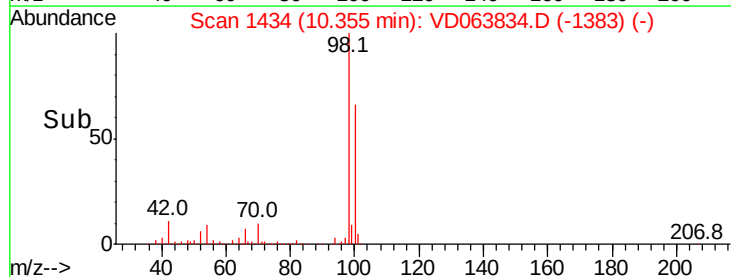
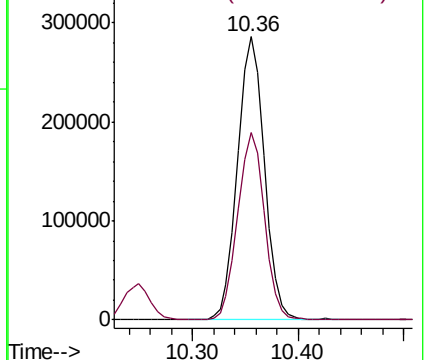
98 100

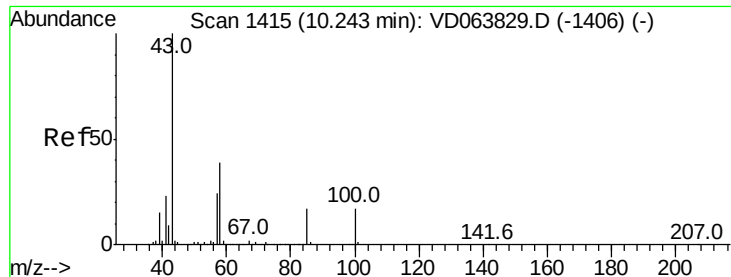
100 66.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

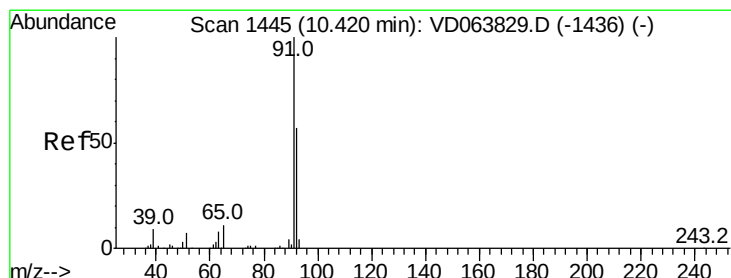
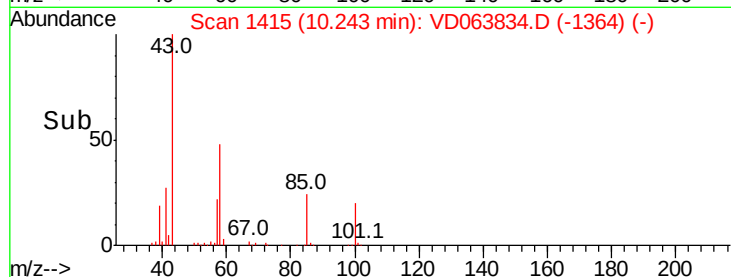
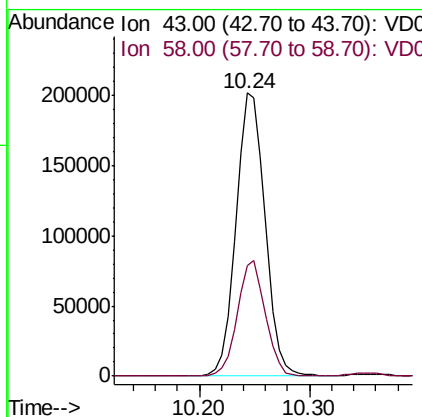
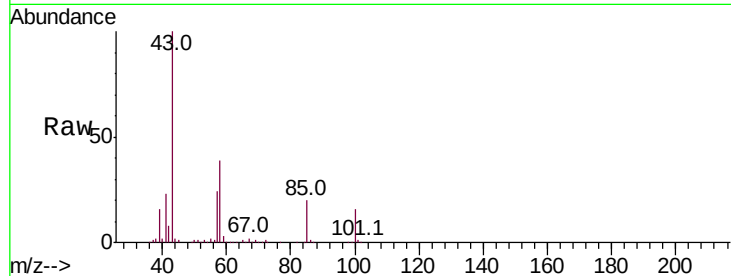




#51
4-Methyl-2-Pentanone
Concen: 231.012 ug/l
RT: 10.24 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

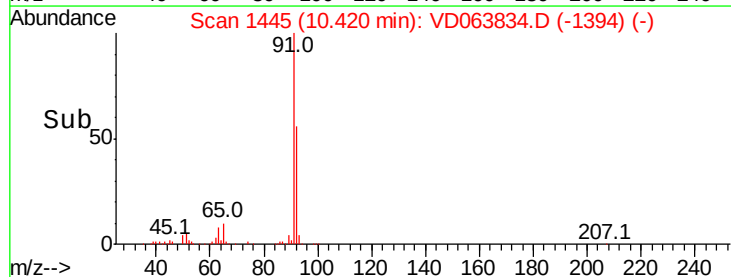
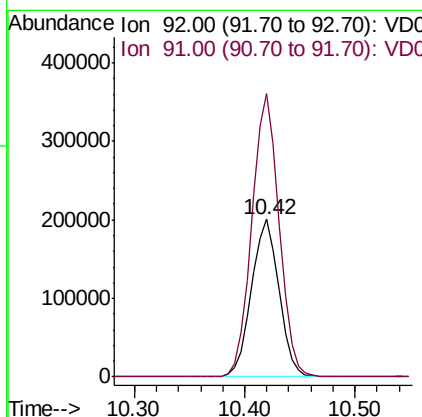
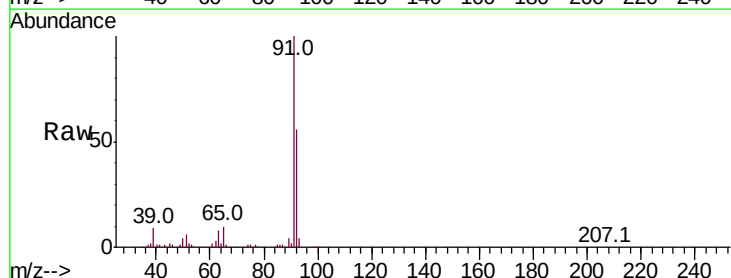
Instrument :
MSVOA_D
ClientSampled :
BFB39

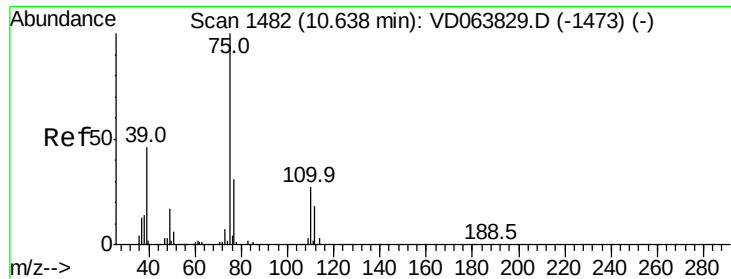
Tot Ion: 43 Resp: 373843
Ion Ratio Lower Upper
43 100
58 39.3 30.9 46.3



#52
Toluene
Concen: 49.368 ug/l
RT: 10.42 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 92 Resp: 353692
Ion Ratio Lower Upper
92 100
91 177.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 48.920 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

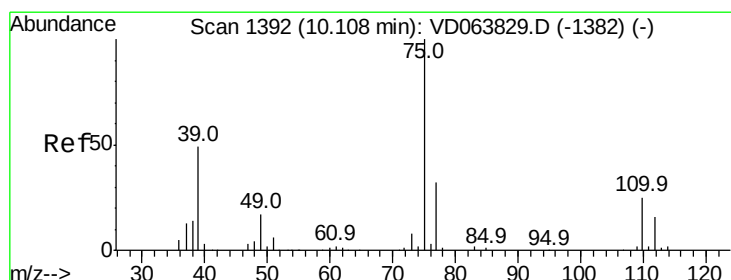
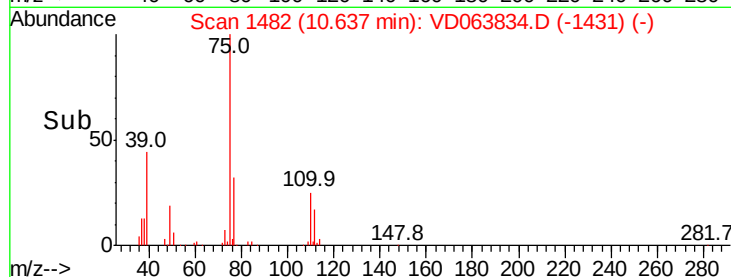
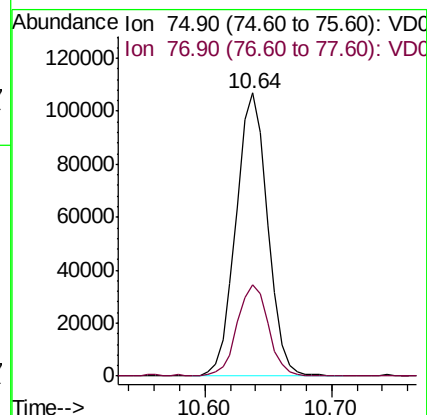
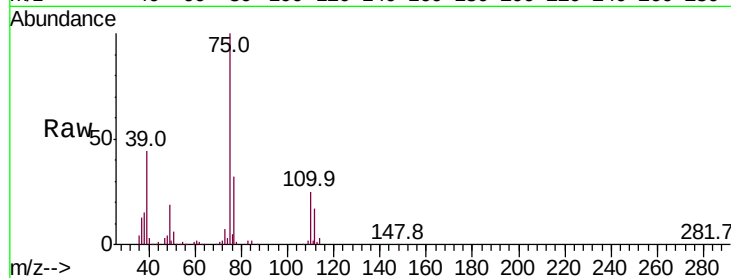
BFB39

Tot Ion: 75 Resp: 184152

Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 50.522 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

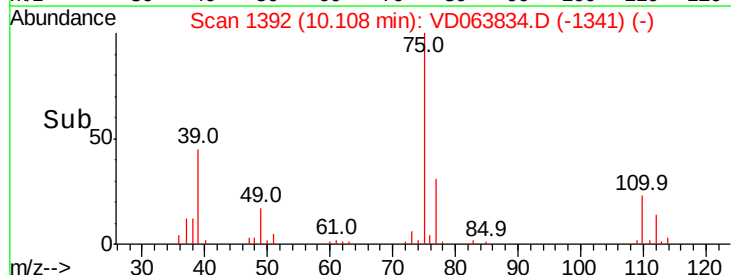
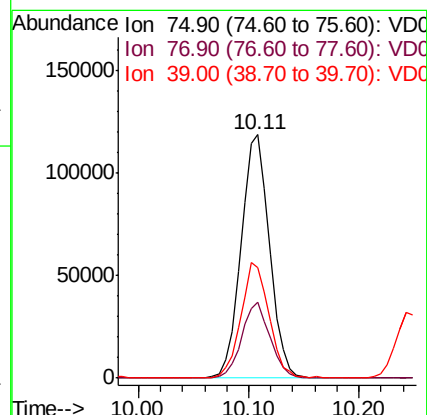
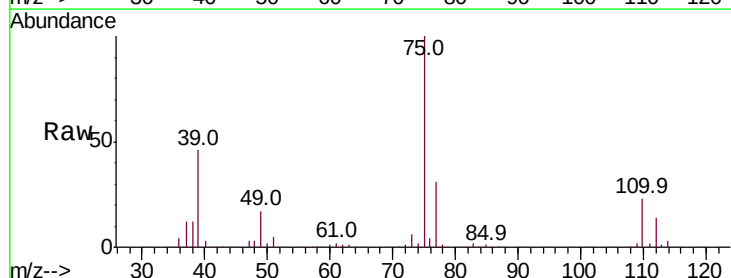
Tgt Ion: 75 Resp: 215880

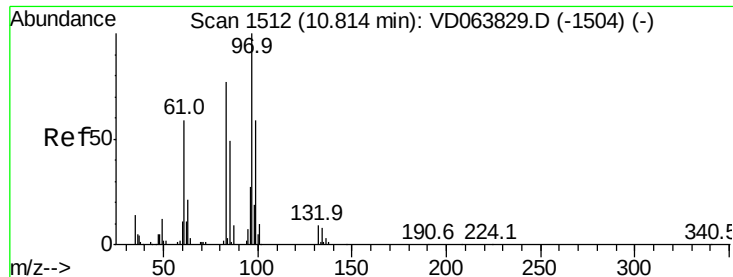
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8

39 45.6 39.5 59.3

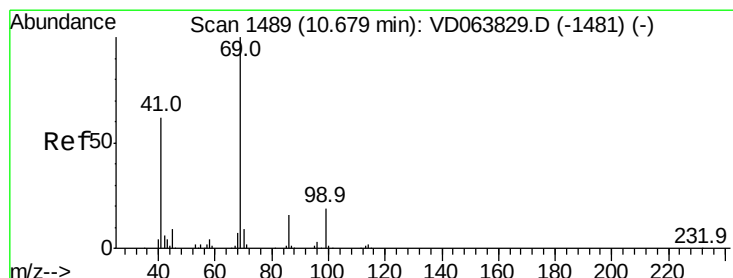
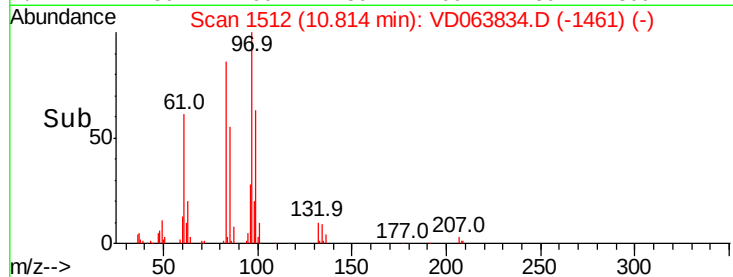
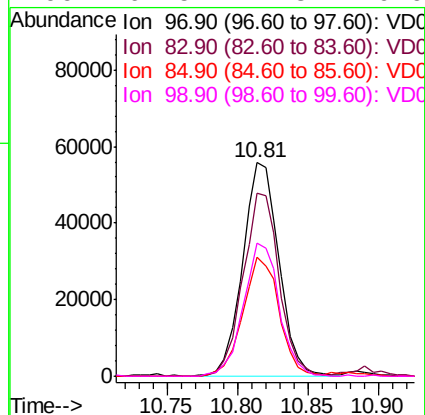
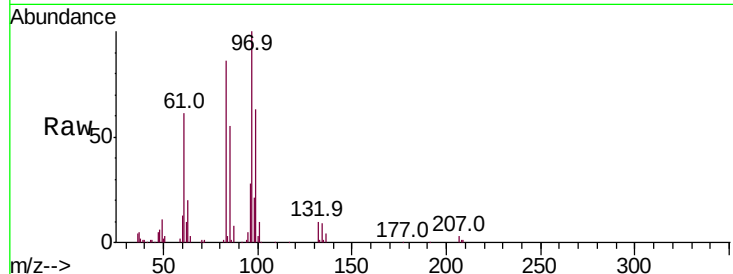




#55
 1,1,2-Trichloroethane
 Concen: 48.362 ug/l
 RT: 10.81 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

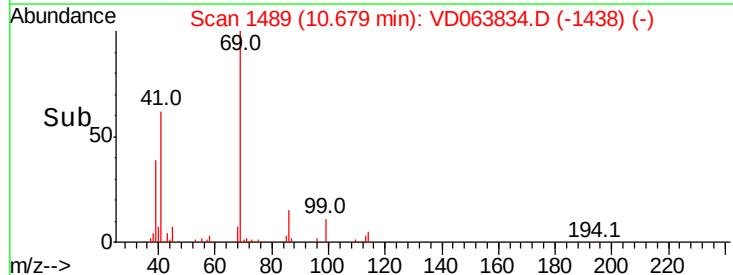
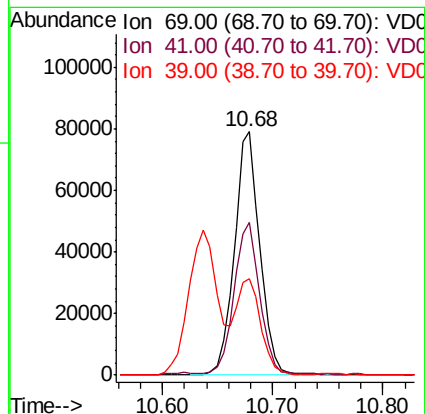
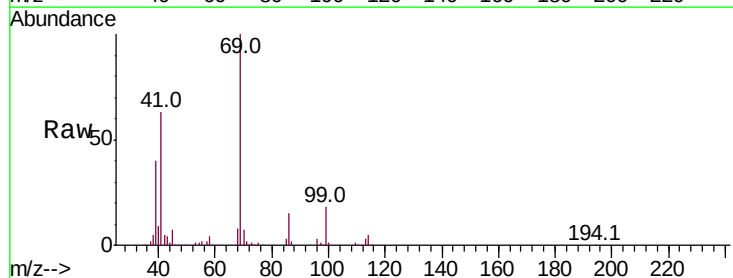
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

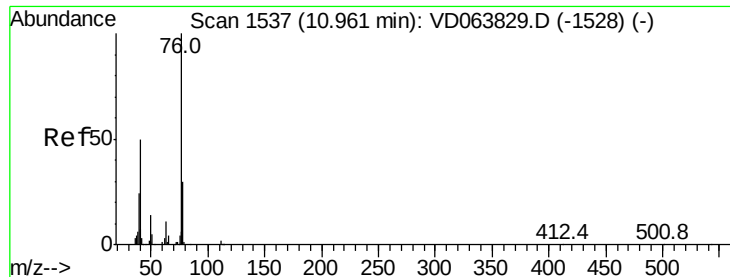
Tot Ion: 97 Resp: 100672
 Ion Ratio Lower Upper
 97 100
 83 85.9 61.9 92.9
 85 55.5 39.4 59.2
 99 62.5 47.3 70.9



#56
 Ethyl methacrylate
 Concen: 48.102 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion: 69 Resp: 127267
 Ion Ratio Lower Upper
 69 100
 41 64.1 52.2 78.4
 39 37.6 28.7 43.1

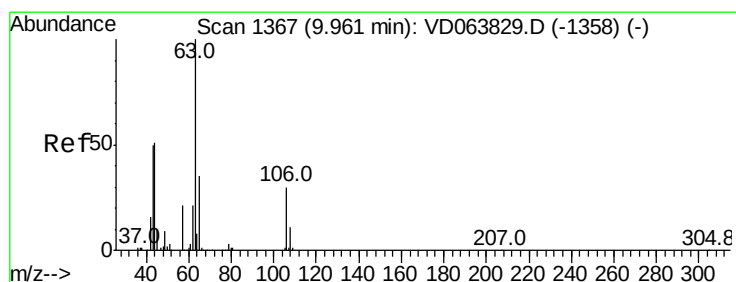
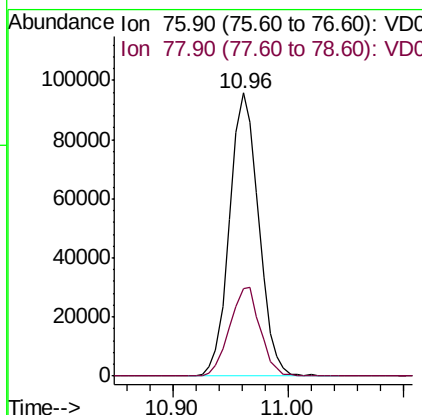
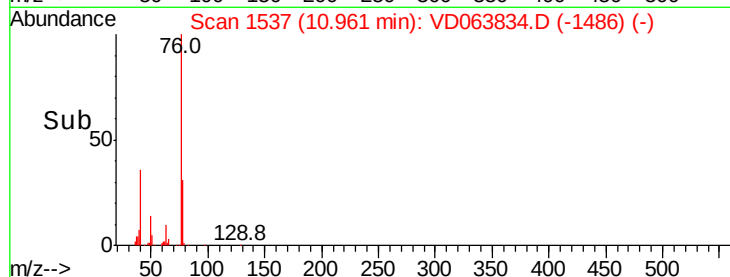
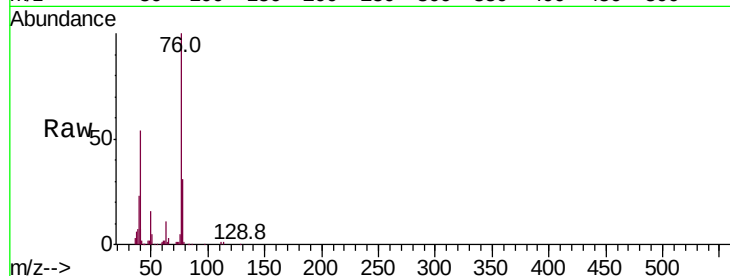




#57
 1,3-Dichloropropane
 Concen: 47.457 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

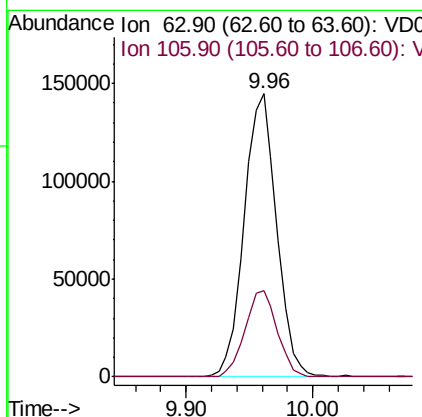
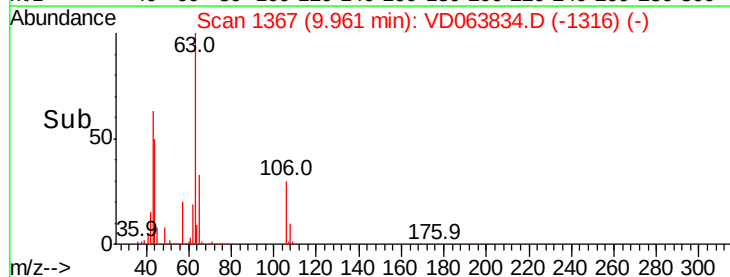
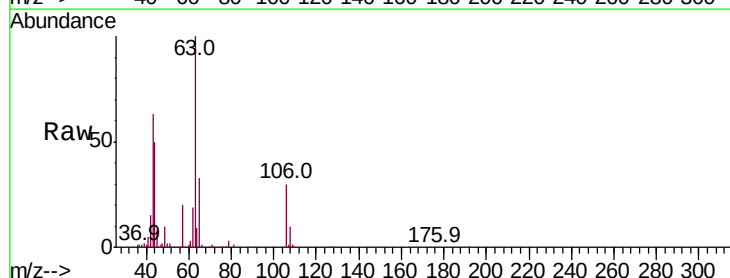
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

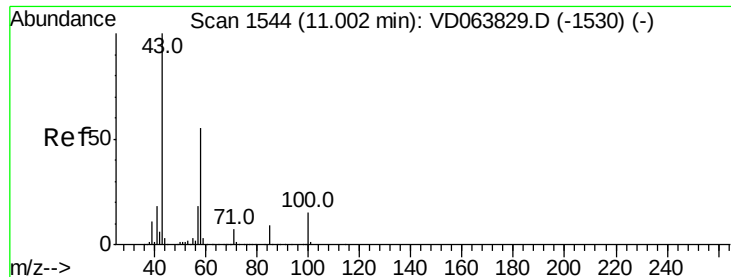
Tot Ion: 76 Resp: 167854
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.025 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion: 63 Resp: 257821
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.4 35.0

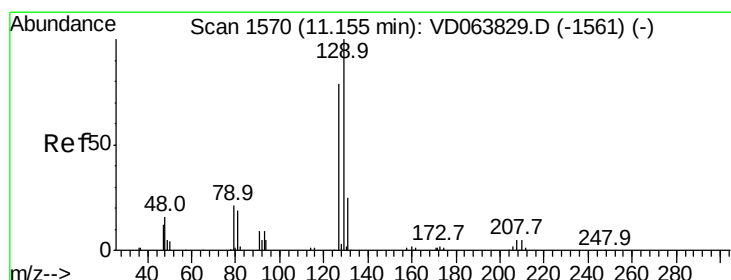
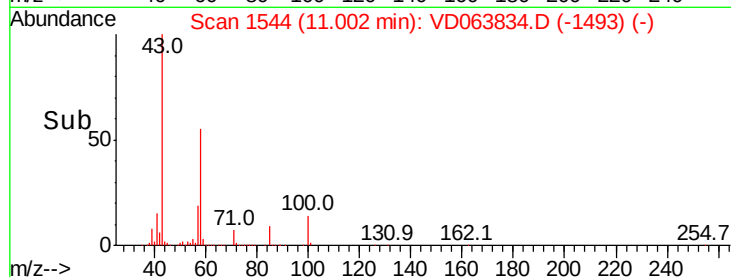
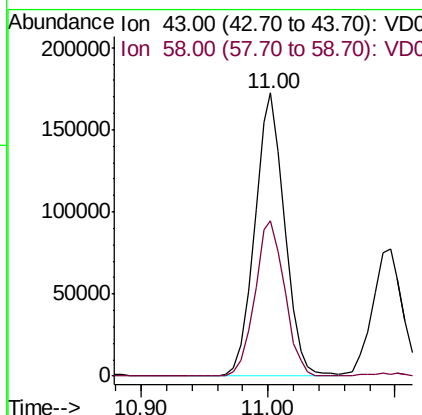
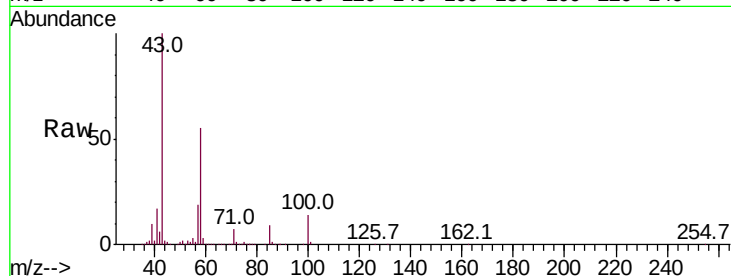




#59
2-Hexanone
Concen: 243.902 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

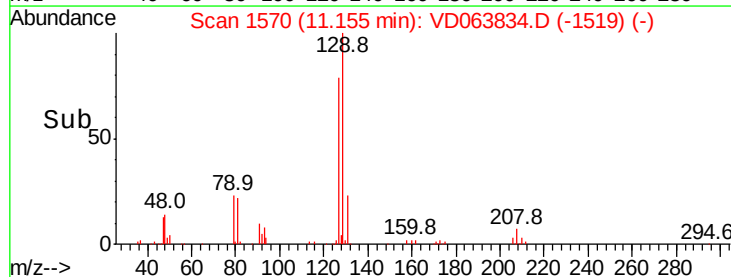
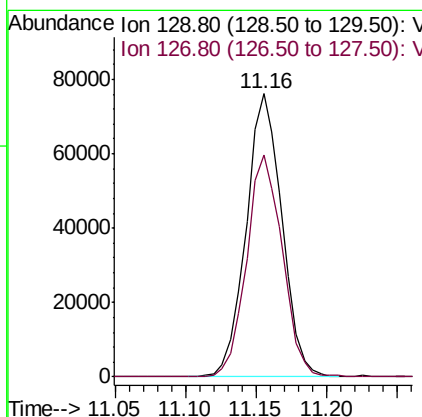
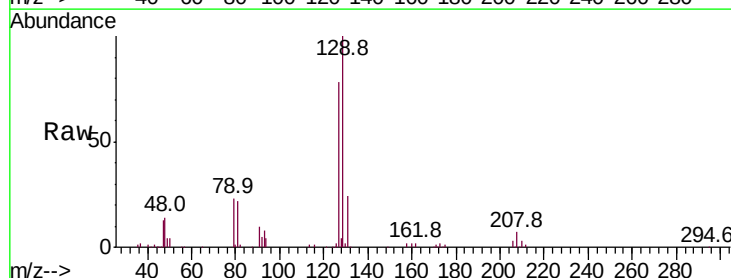
Instrument :
MSVOA_D
ClientSampleId :
BFB39

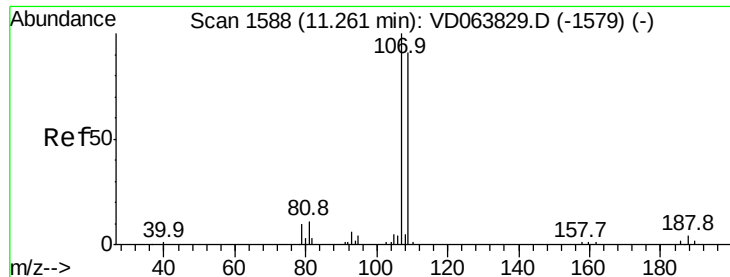
Tot Ion: 43 Resp: 281622
Ion Ratio Lower Upper
43 100
58 54.8 27.6 82.7



#60
Dibromochloromethane
Concen: 49.317 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 129 Resp: 135478
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 47.610 ug/l

RT: 11.26 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

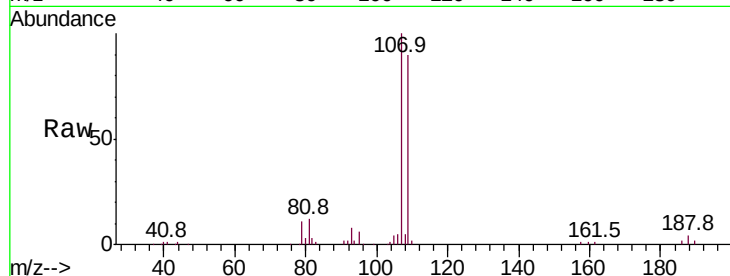
BFB39

Tot Ion:107 Resp: 99076

Ion Ratio Lower Upper

107 100

109 95.5 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.26

60000

50000

40000

30000

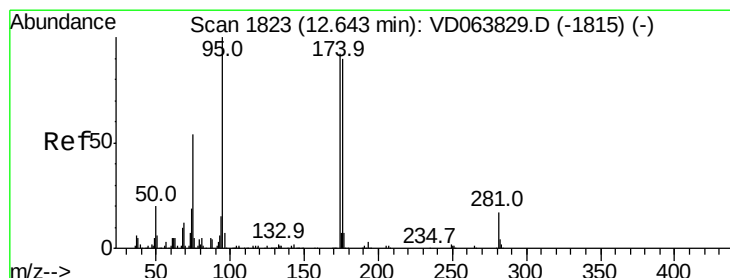
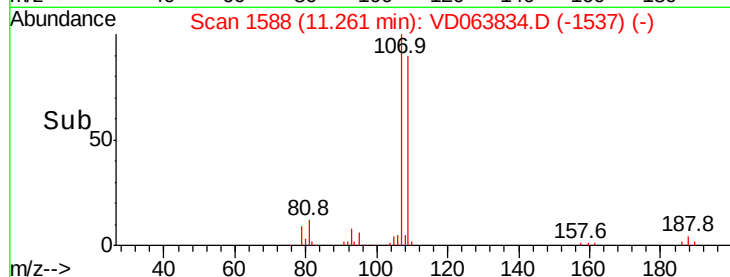
20000

10000

0

Time-->

11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 47.614 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

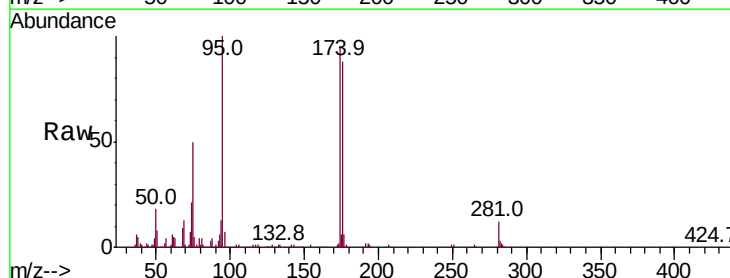
Tgt Ion: 95 Resp: 171743

Ion Ratio Lower Upper

95 100

174 94.7 0.0 183.2

176 89.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

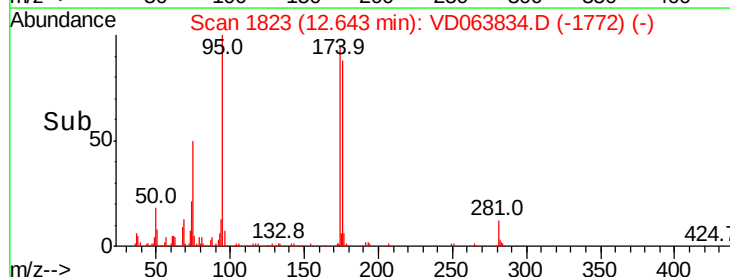
100000

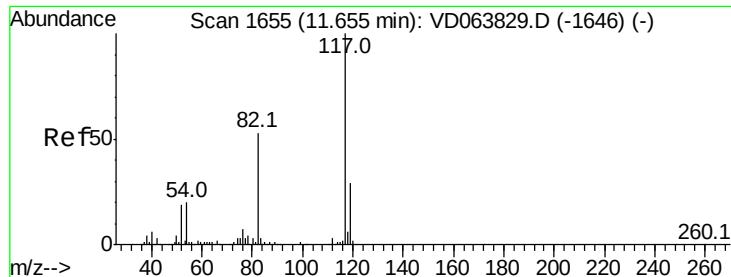
50000

0

Time-->

12.55 12.60 12.65 12.70

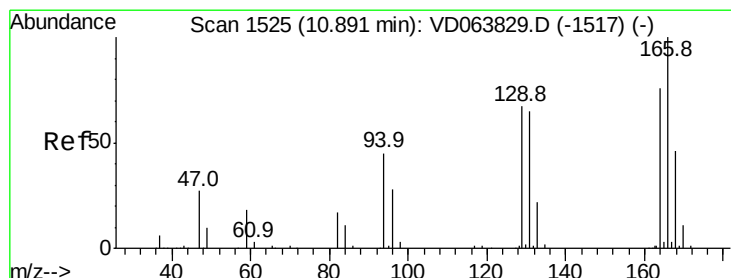
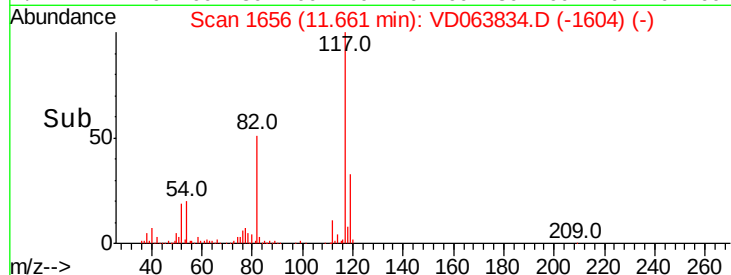
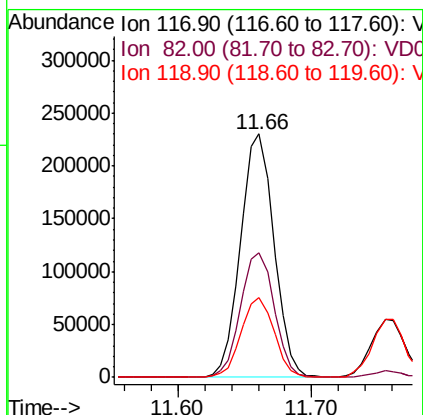
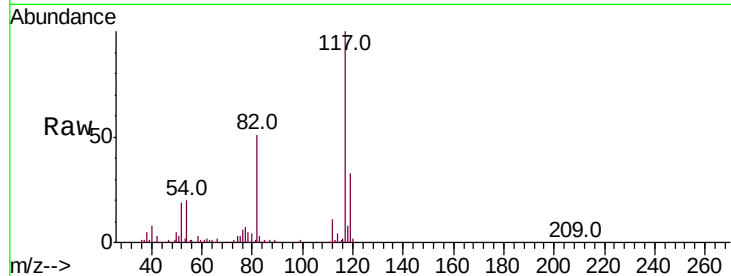




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

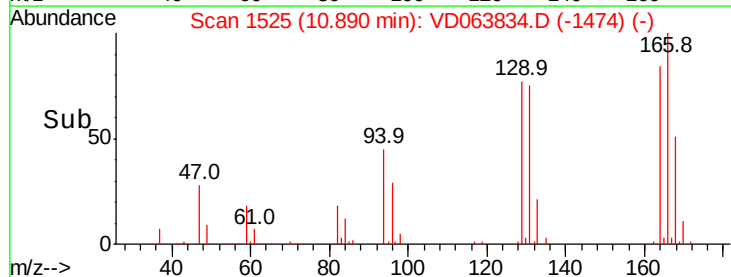
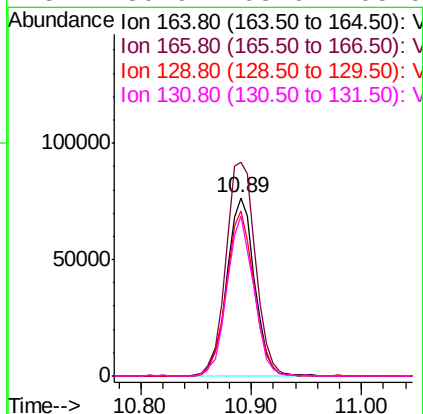
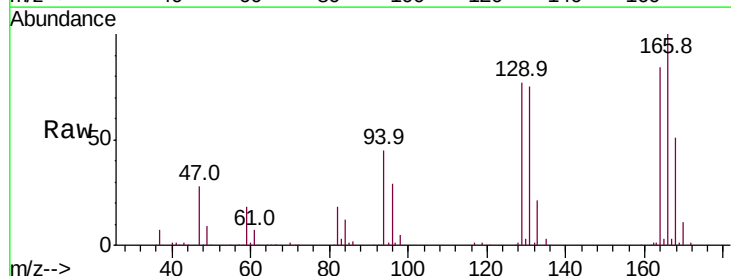
Instrument :
MSVOA_D
ClientSampleId :
BFB39

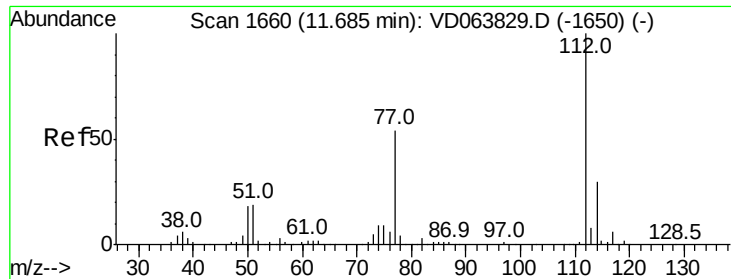
Tot Ion:117 Resp: 400160
Ion Ratio Lower Upper
117 100
82 51.2 42.4 63.6
119 32.9 23.5 35.3



#64
Tetrachloroethene
Concen: 50.045 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion:164 Resp: 134897
Ion Ratio Lower Upper
164 100
166 119.7 105.5 158.3
129 92.7 70.2 105.4
131 89.9 68.6 103.0

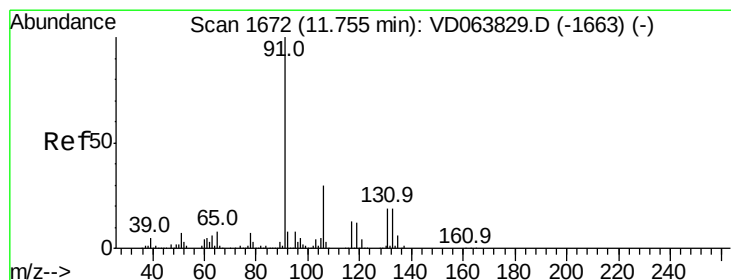
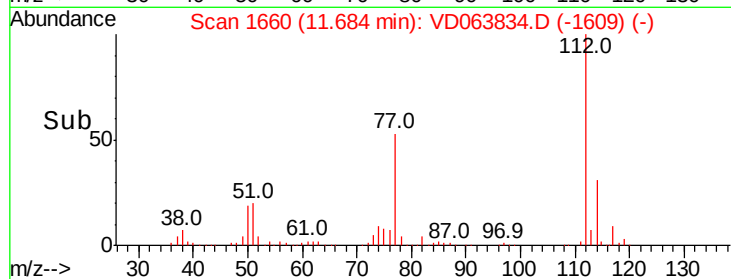
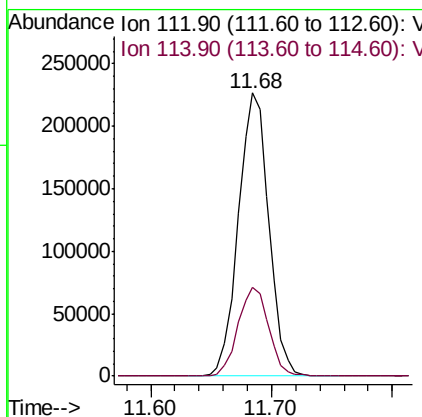
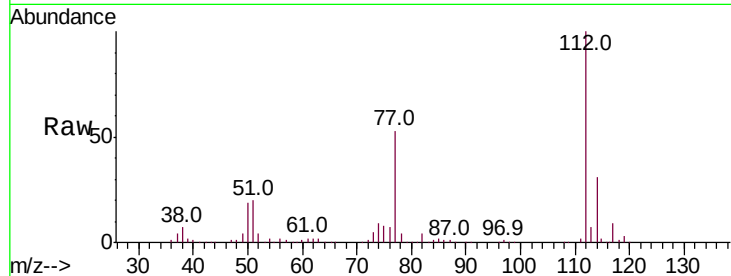




#65
Chlorobenzene
Concen: 49.489 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

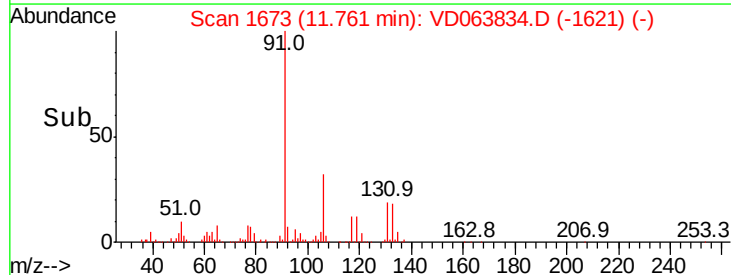
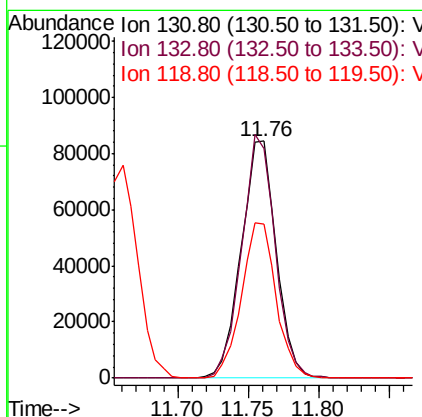
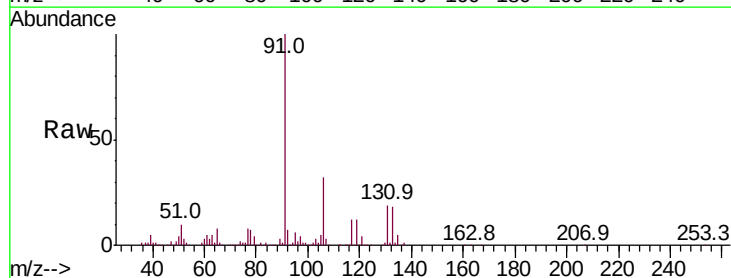
Instrument :
MSVOA_D
ClientSampled :
BFB39

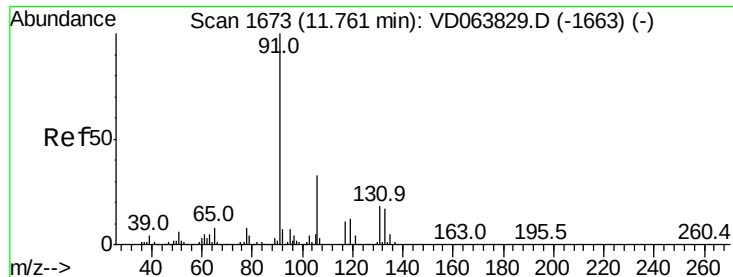
Tot Ion:112 Resp: 398362
Ion Ratio Lower Upper
112 100
114 31.3 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.706 ug/l
RT: 11.76 min Scan# 1673
Delta R.T. 0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion:131 Resp: 147044
Ion Ratio Lower Upper
131 100
133 98.1 47.4 142.3
119 64.9 31.6 94.8





#67

Ethyl Benzene

Concen: 50.772 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

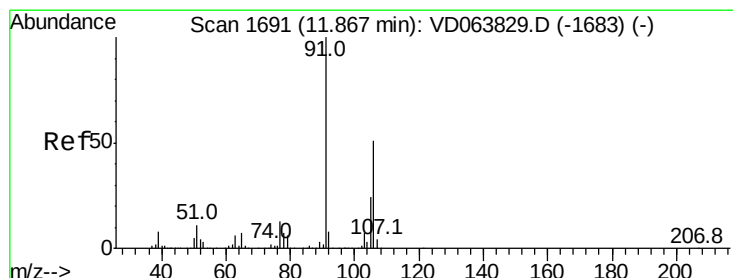
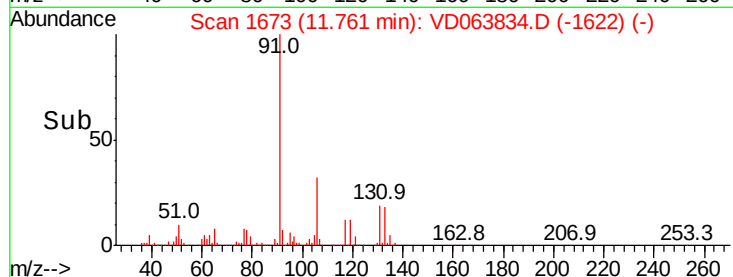
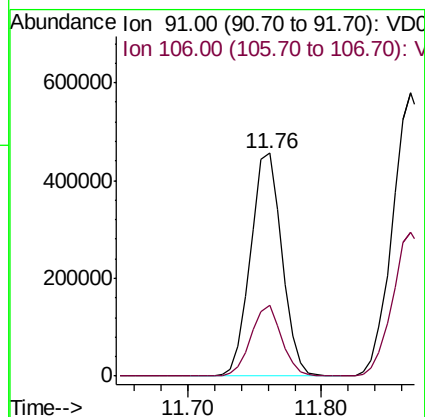
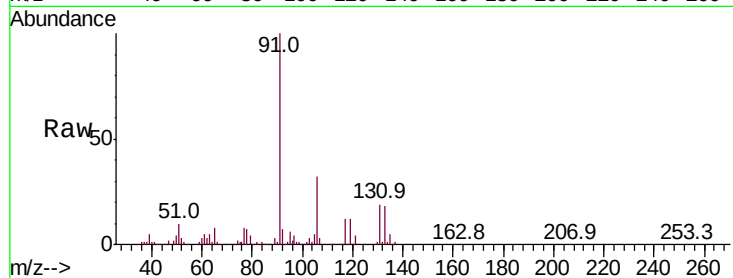
BFB39

Tot Ion: 91 Resp: 738216

Ion Ratio Lower Upper

91 100

106 31.6 26.6 40.0



#68

m/p-Xylenes

Concen: 100.191 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VD063834.D

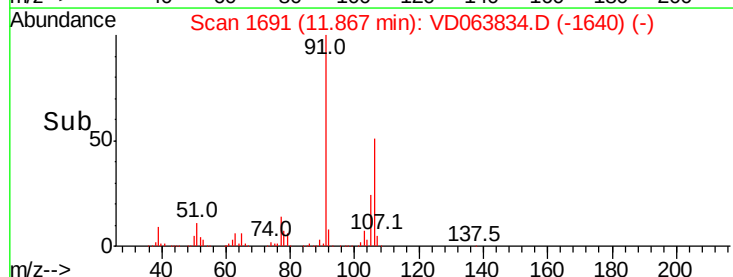
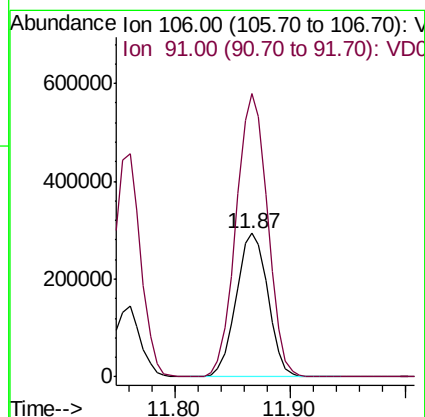
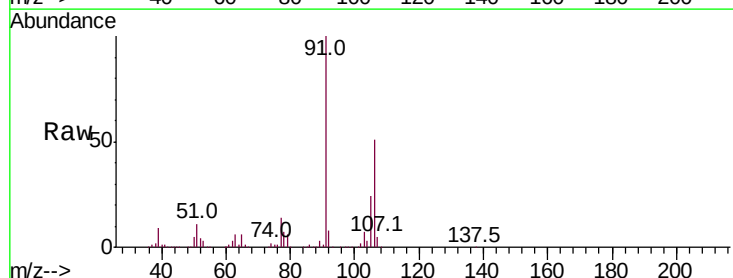
Acq: 26 Sep 2019 11:20

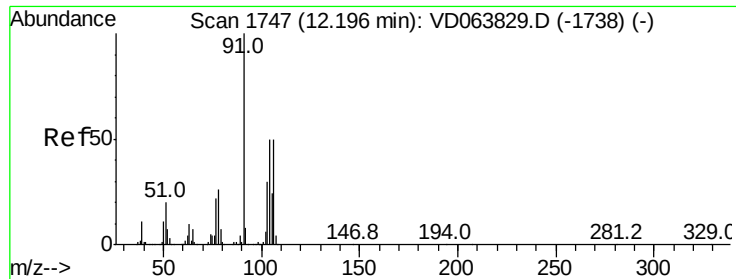
Tgt Ion:106 Resp: 559421

Ion Ratio Lower Upper

106 100

91 195.5 157.6 236.4

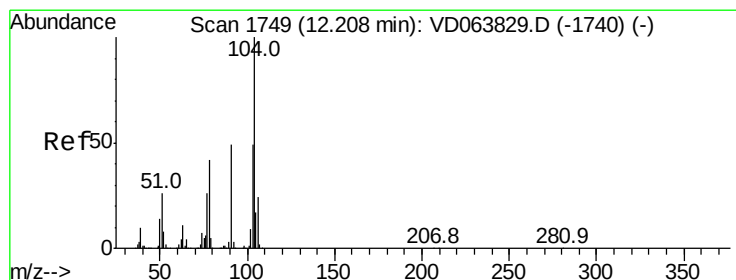
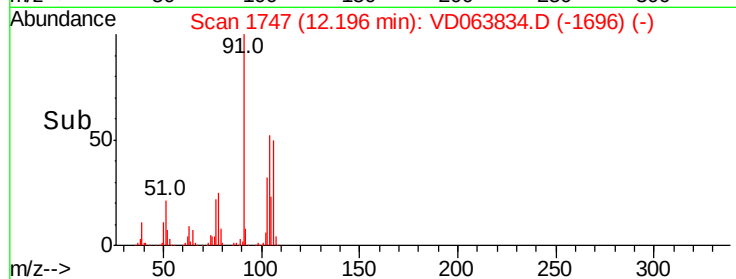
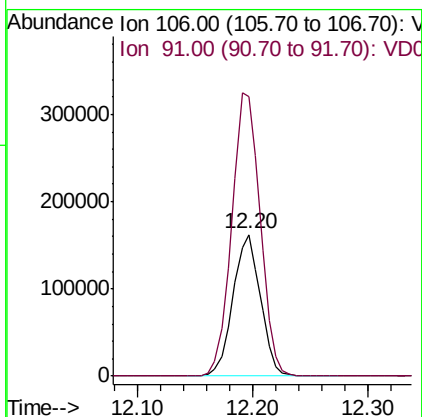
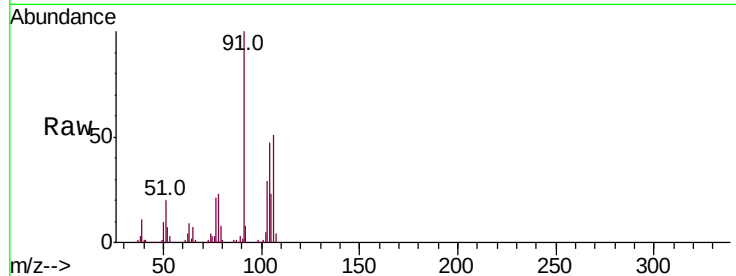




#69
o-Xylene
Concen: 50.473 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

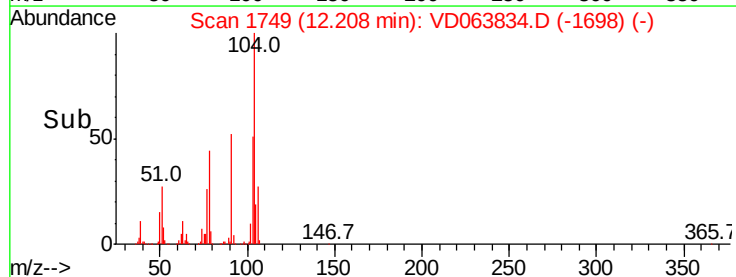
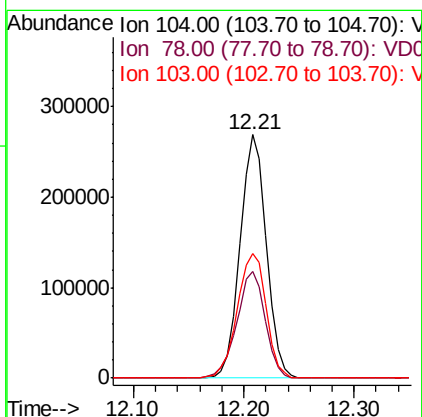
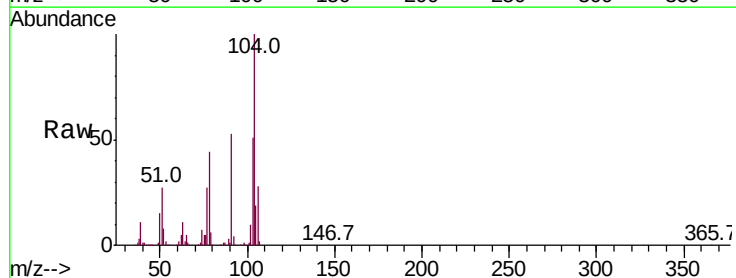
Instrument :
MSVOA_D
ClientSampleId :
BFB39

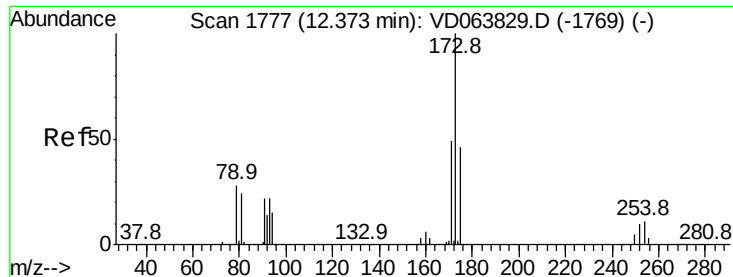
Tot Ion:106 Resp: 265994
Ion Ratio Lower Upper
106 100
91 207.8 102.4 307.1



#70
Styrene
Concen: 50.431 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion:104 Resp: 449806
Ion Ratio Lower Upper
104 100
78 47.5 37.3 55.9
103 56.6 44.2 66.4





#71

Bromoform

Concen: 49.668 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

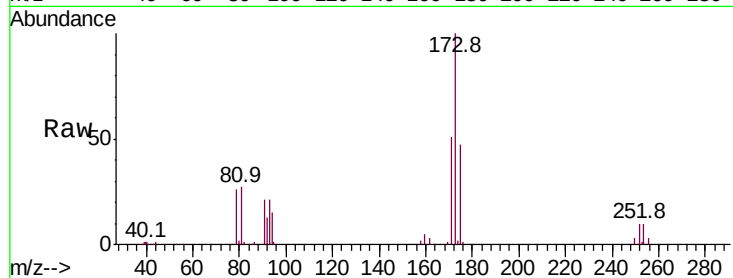
Tot Ion:173 Resp: 81622

Ion Ratio Lower Upper

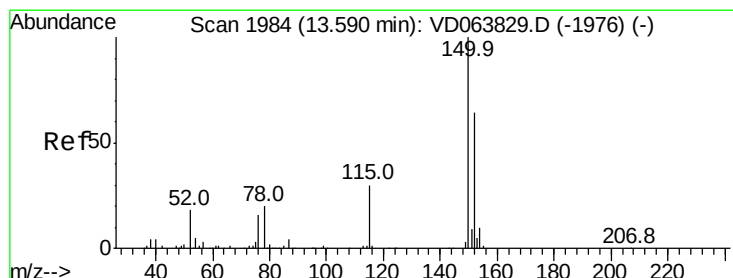
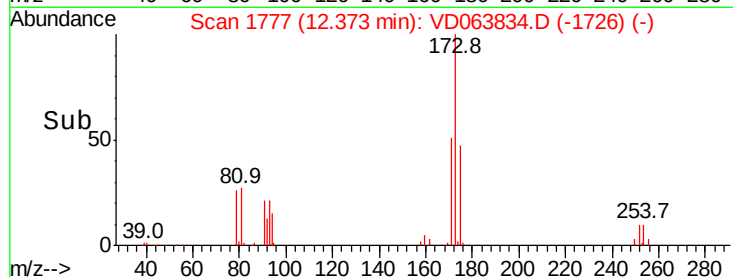
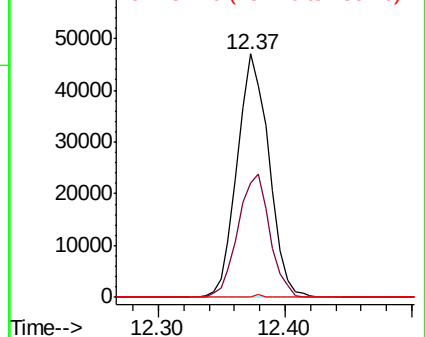
173 100

175 50.5 23.3 69.8

254 0.2 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: VD063834.D

Acq: 26 Sep 2019 11:20

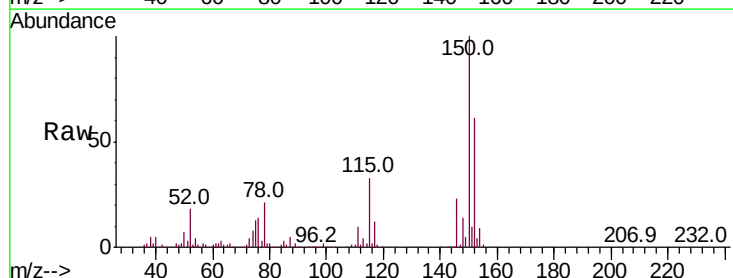
Tgt Ion:152 Resp: 211389

Ion Ratio Lower Upper

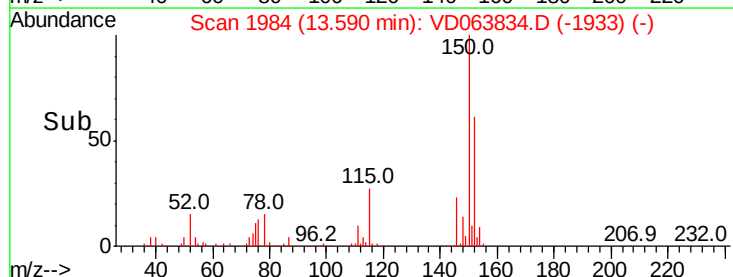
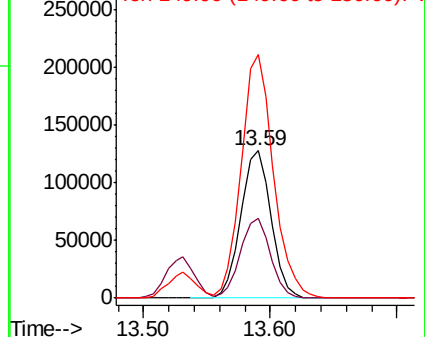
152 100

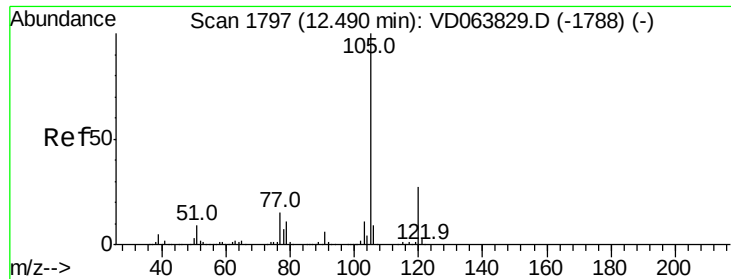
115 54.0 27.0 81.0

150 175.5 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

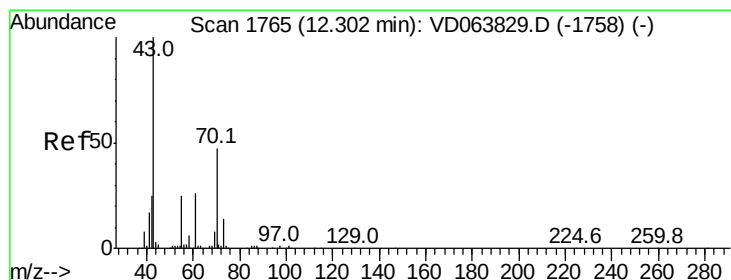
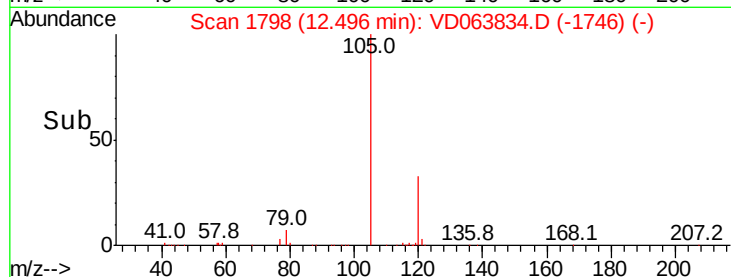
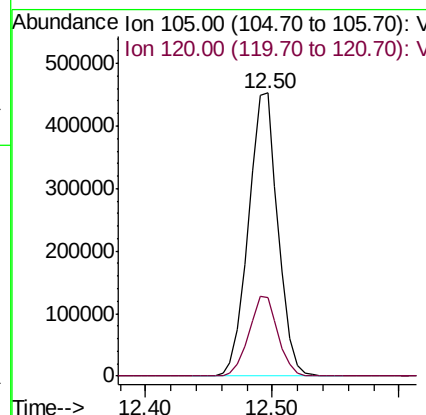
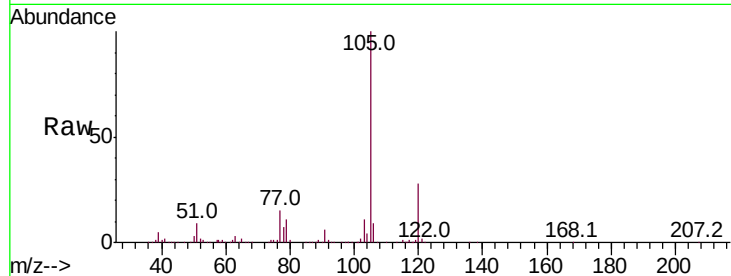




#73
Isopropylbenzene
Concen: 50.554 ug/l
RT: 12.50 min Scan# 1798
Delta R.T. 0.01 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

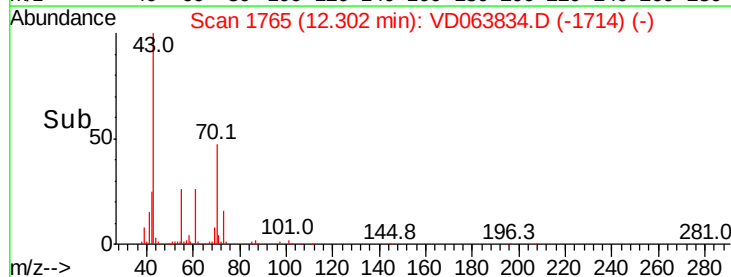
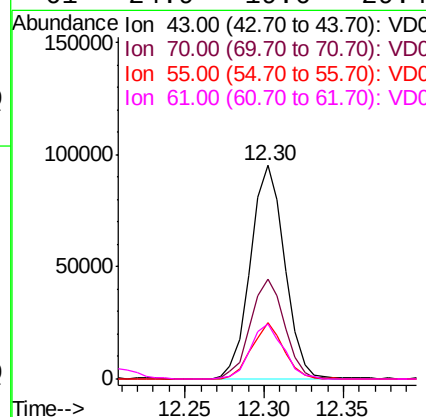
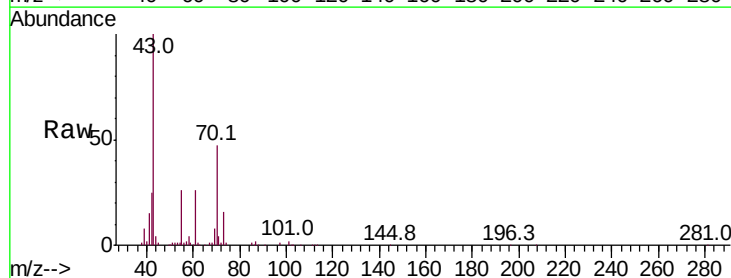
Instrument :
MSVOA_D
ClientSampleId :
BFB39

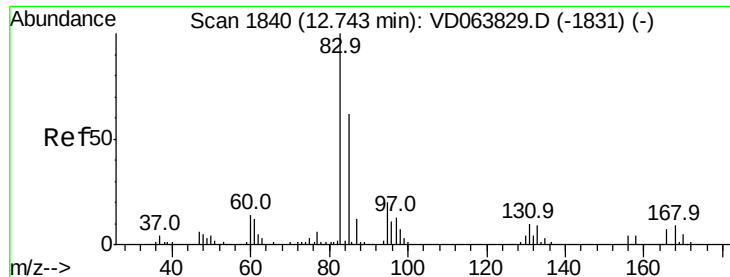
Tot Ion:105 Resp: 729934
Ion Ratio Lower Upper
105 100
120 28.0 13.7 41.0



#74
N-ethyl acetate
Concen: 45.432 ug/l
RT: 12.30 min Scan# 1765
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 43 Resp: 143598
Ion Ratio Lower Upper
43 100
70 46.4 35.0 52.6
55 24.5 19.8 29.6
61 24.9 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.308 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

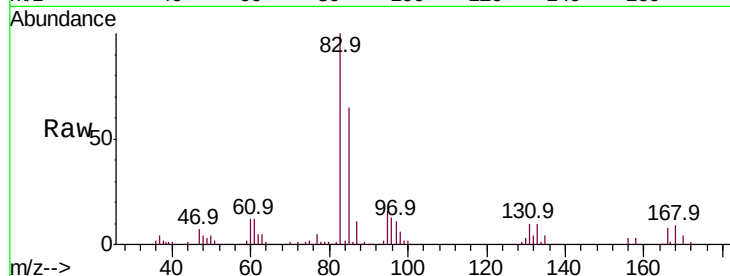
Tot Ion: 83 Resp: 111448

Ion Ratio Lower Upper

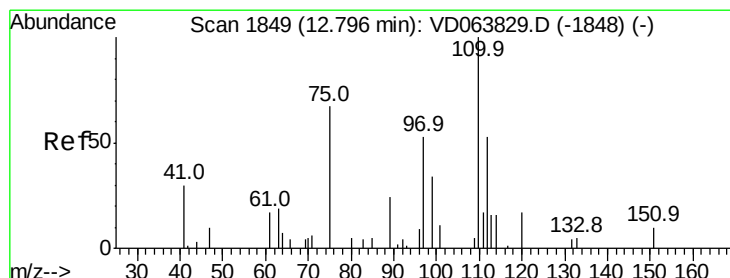
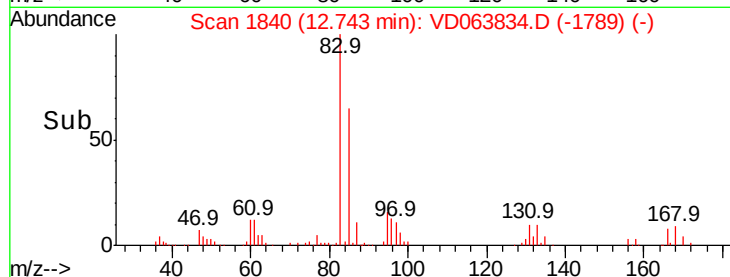
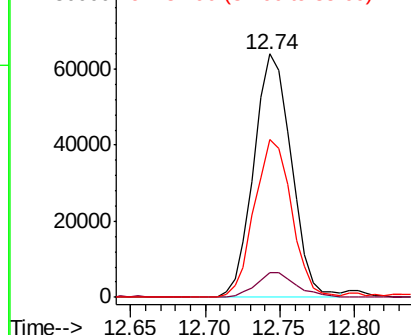
83 100

131 11.0 5.6 16.8

85 64.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 93.429 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063834.D

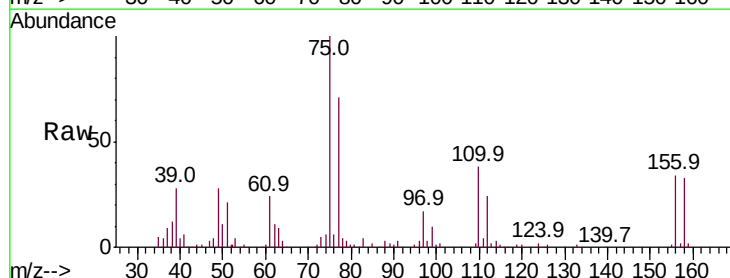
Acq: 26 Sep 2019 11:20

Tgt Ion: 75 Resp: 149754

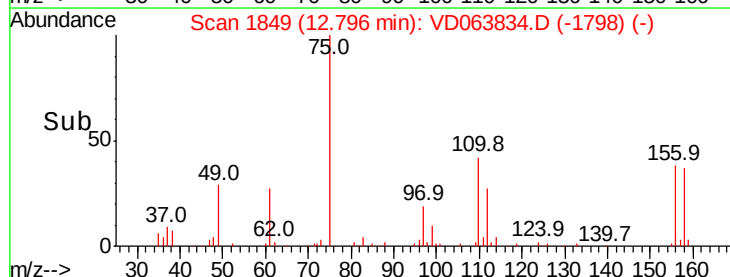
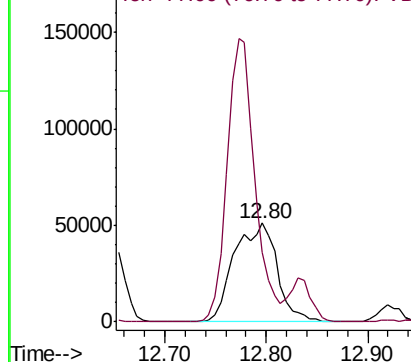
Ion Ratio Lower Upper

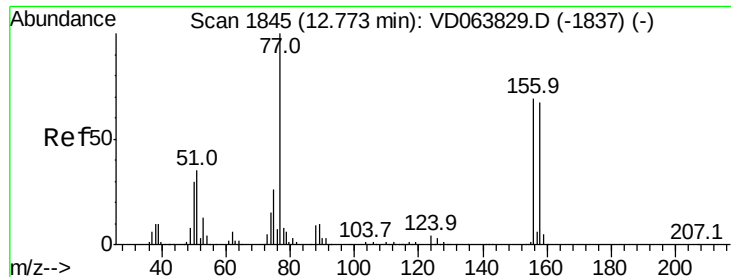
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.424 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

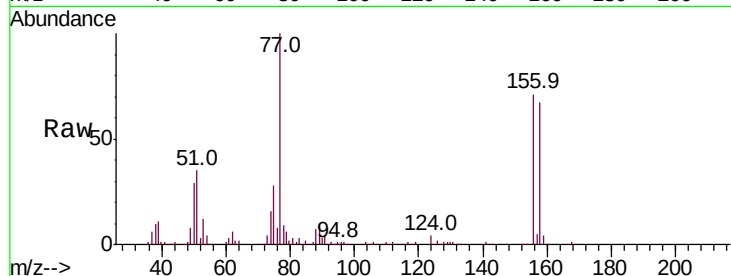
Tot Ion:156 Resp: 174971

Ion Ratio Lower Upper

156 100

77 158.7 79.8 239.4

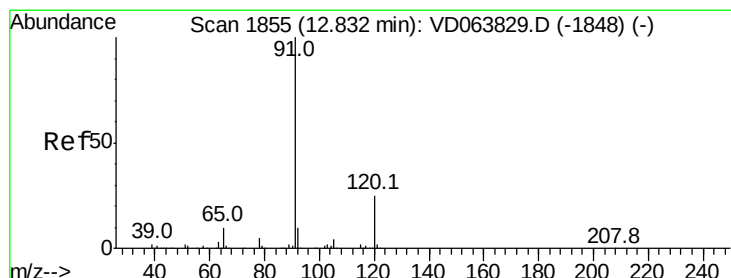
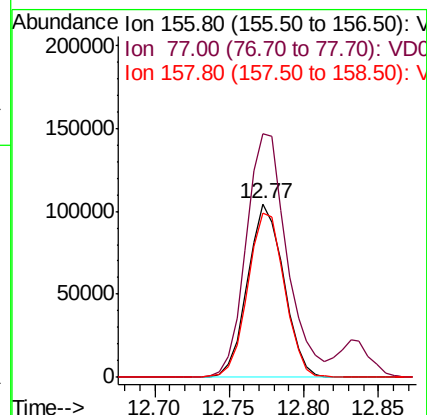
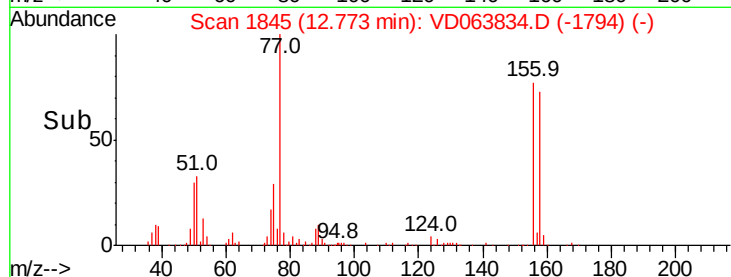
158 95.9 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.316 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VD063834.D

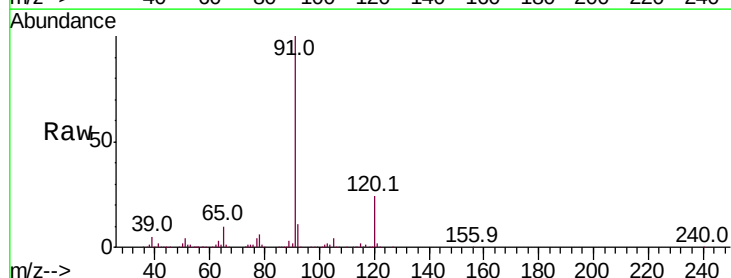
Acq: 26 Sep 2019 11:20

Tgt Ion: 91 Resp: 854705

Ion Ratio Lower Upper

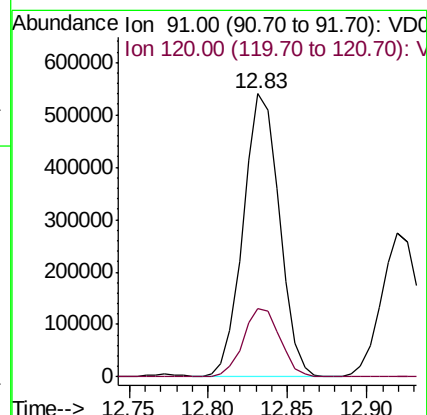
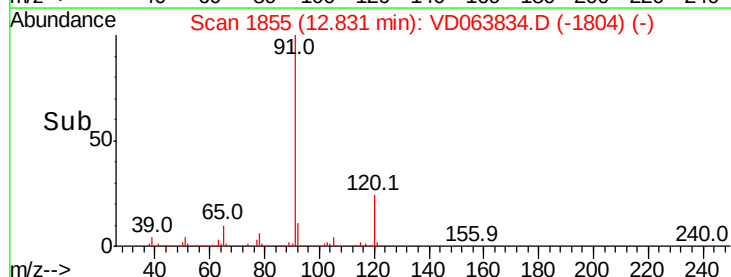
91 100

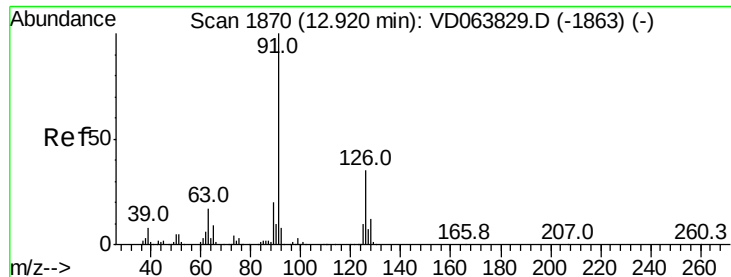
120 24.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.929 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

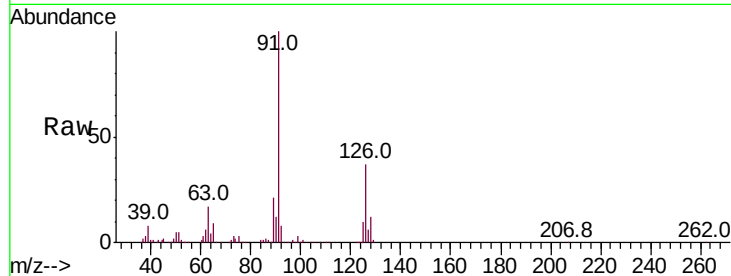
BFB39

Tot Ion: 91 Resp: 457462

Ion Ratio Lower Upper

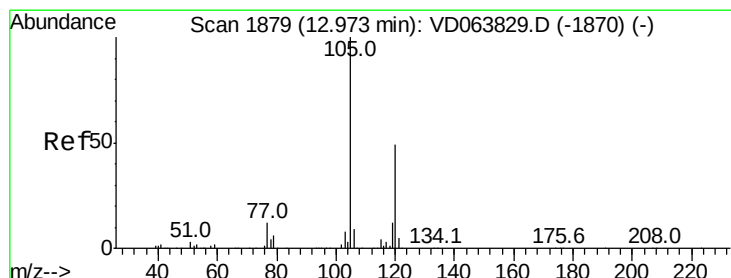
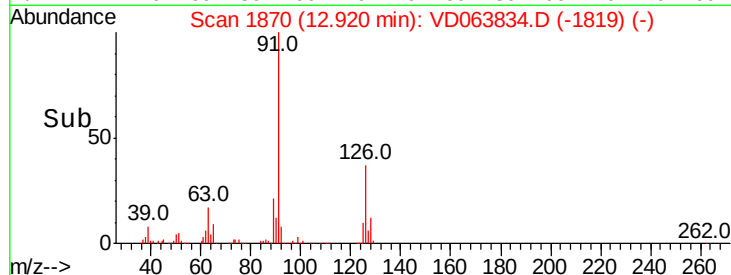
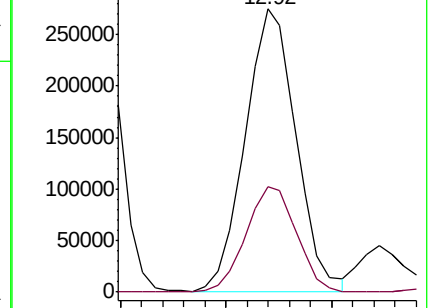
91 100

126 37.3 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.237 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. -0.00 min

Lab File: VD063834.D

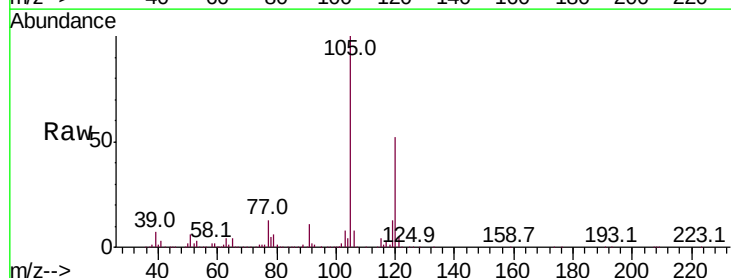
Acq: 26 Sep 2019 11:20

Tgt Ion:105 Resp: 616716

Ion Ratio Lower Upper

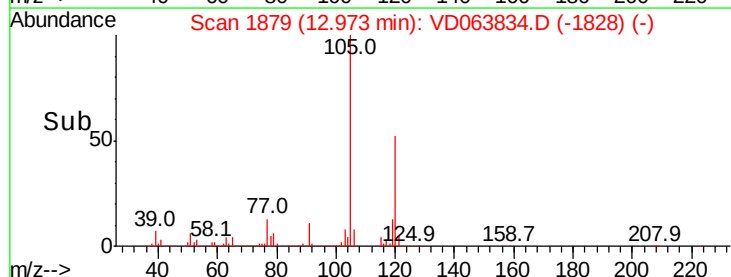
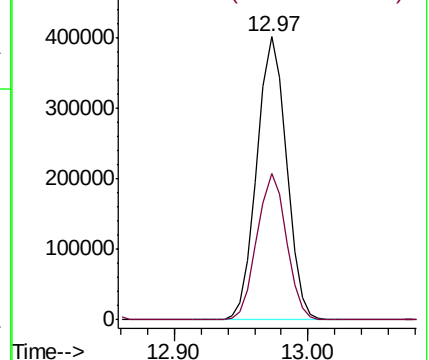
105 100

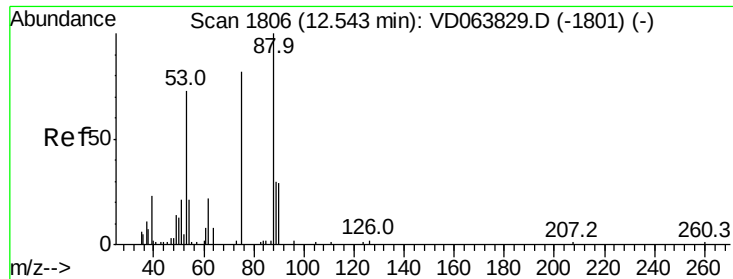
120 51.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.006 ug/l

RT: 12.54 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

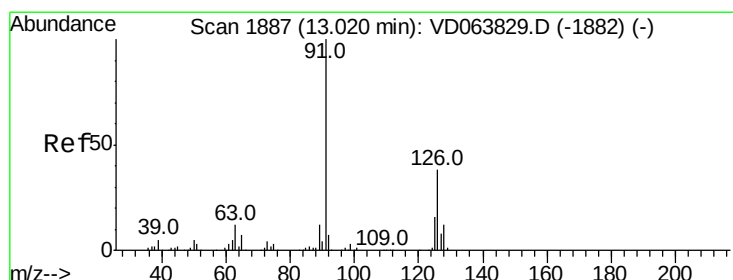
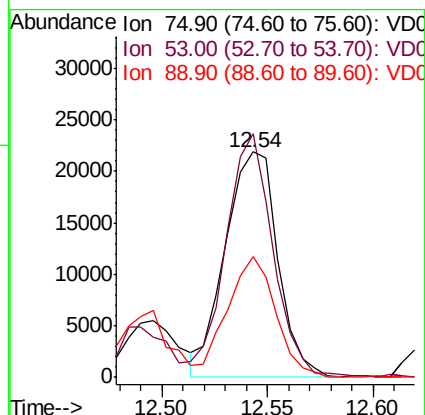
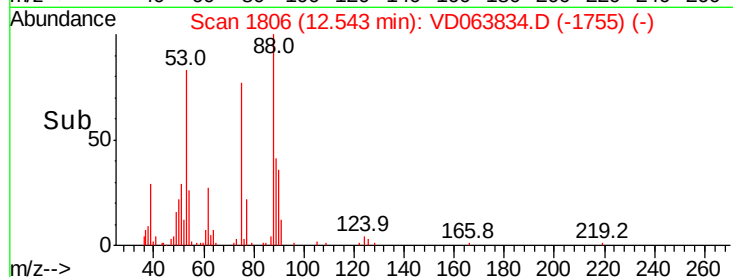
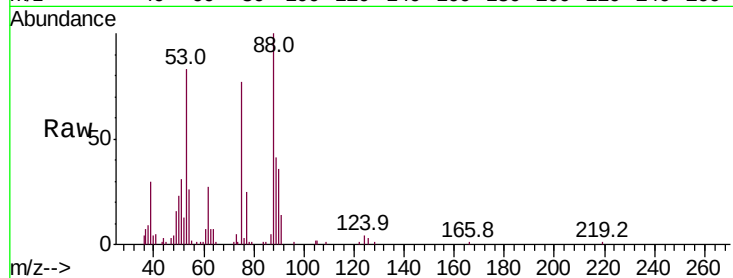
Tot Ion: 75 Resp: 37726

Ion Ratio Lower Upper

75 100

53 97.9 76.5 114.7

89 49.5 37.0 55.6



#82

4-Chlorotoluene

Concen: 48.443 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VD063834.D

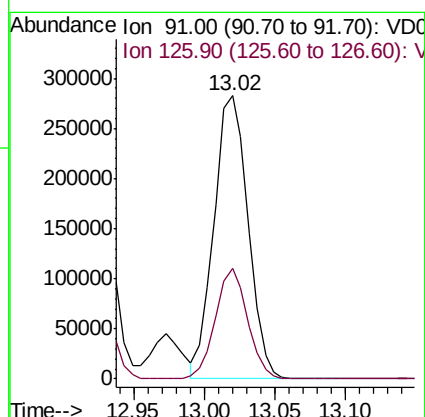
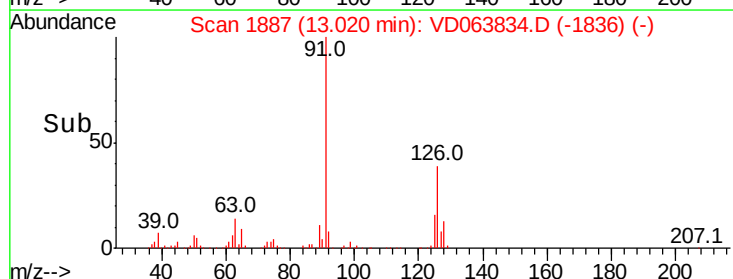
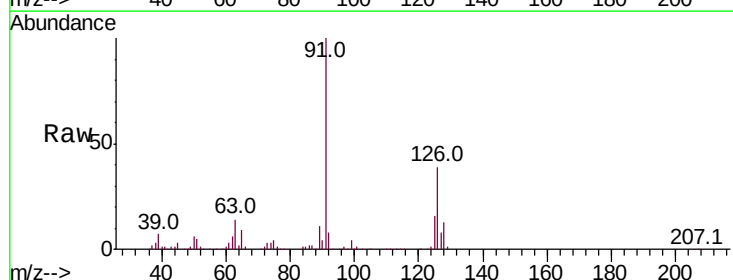
Acq: 26 Sep 2019 11:20

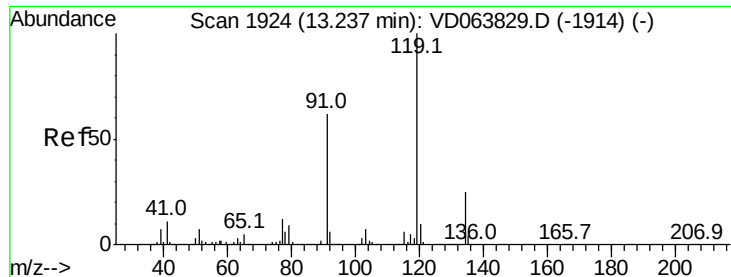
Tgt Ion: 91 Resp: 473482

Ion Ratio Lower Upper

91 100

126 37.2 18.6 55.6





#83

tert-Butylbenzene

Concen: 51.226 ug/l

RT: 13.24 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

BFB39

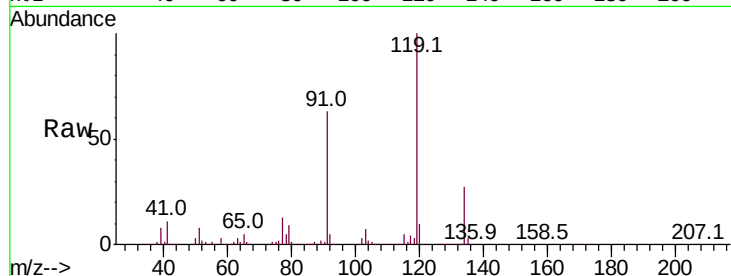
Tot Ion:119 Resp: 538749

Ion Ratio Lower Upper

119 100

91 62.2 30.8 92.3

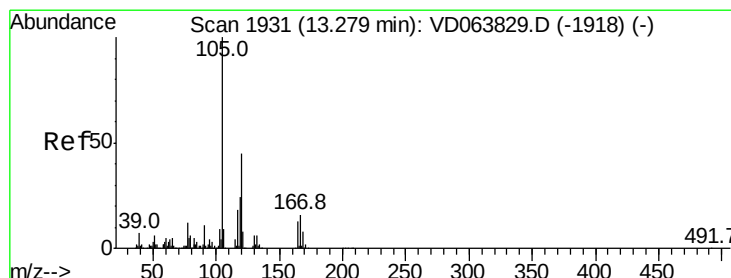
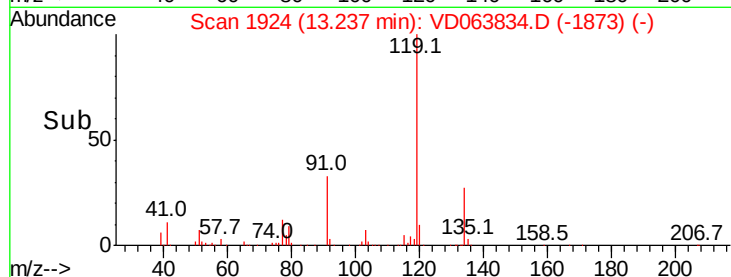
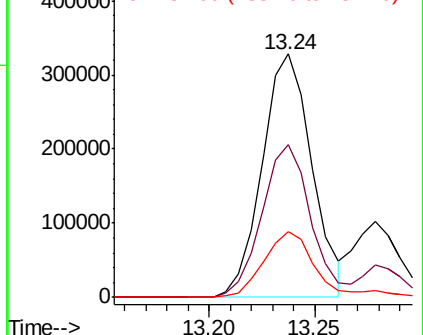
134 28.2 13.2 39.6



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: 49.691 ug/l

RT: 13.28 min Scan# 1932

Delta R.T. 0.01 min

Lab File: VD063834.D

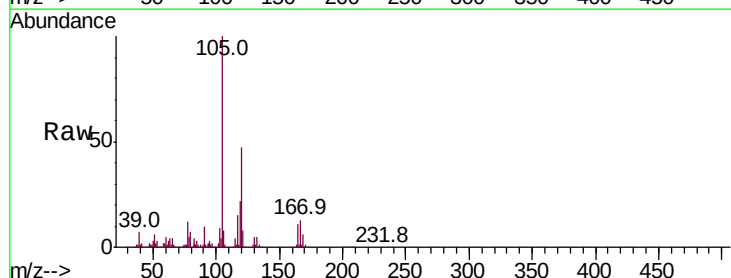
Acq: 26 Sep 2019 11:20

Tgt Ion:105 Resp: 607203

Ion Ratio Lower Upper

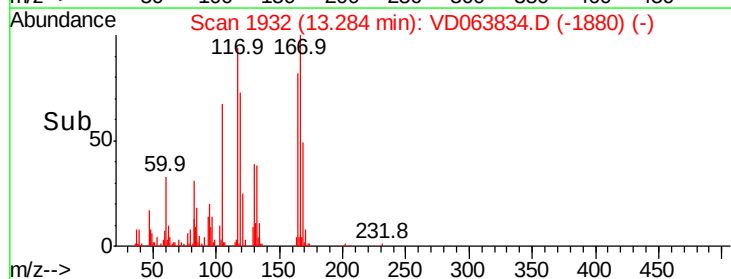
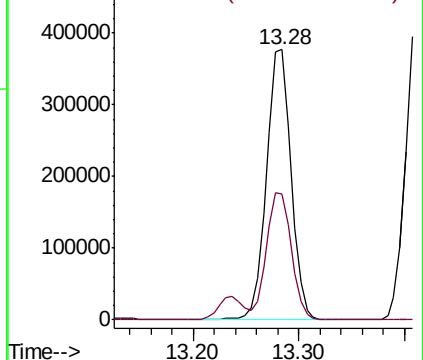
105 100

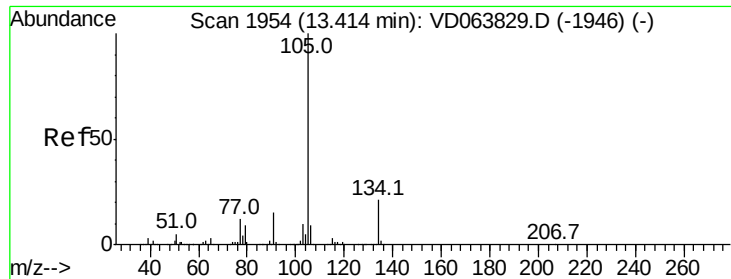
120 47.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.927 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

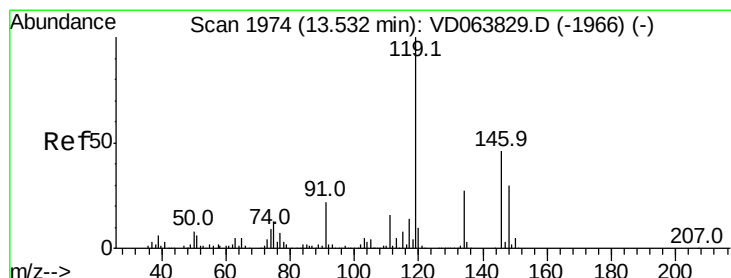
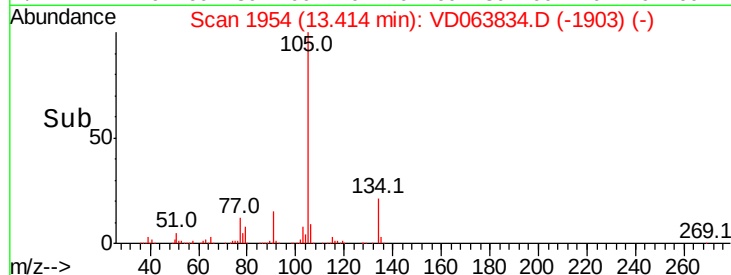
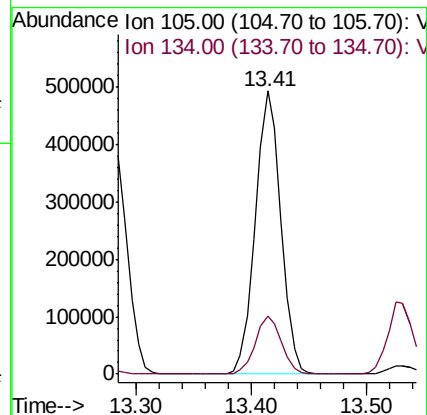
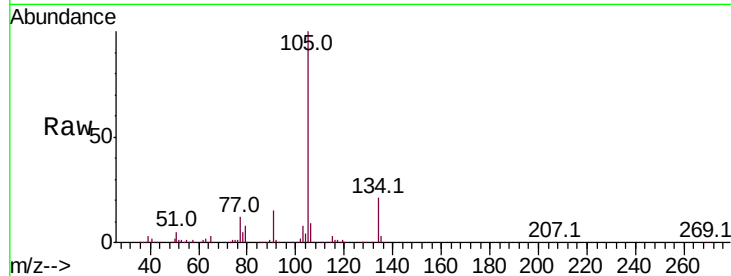
BFB39

Tot Ion:105 Resp: 759911

Ion Ratio Lower Upper

105 100

134 20.9 10.7 31.9



#86

p-Isopropyltoluene

Concen: 51.393 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VD063834.D

Acq: 26 Sep 2019 11:20

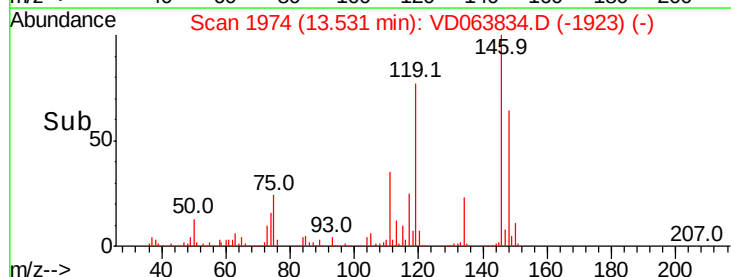
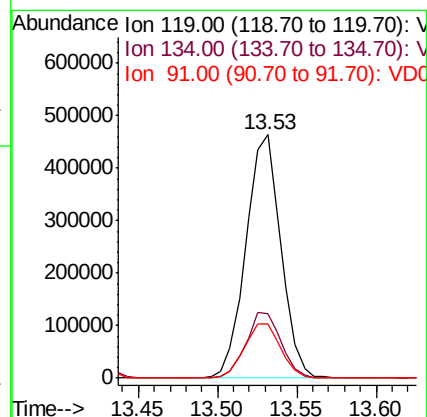
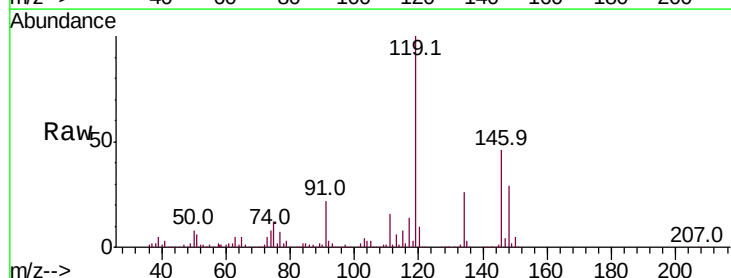
Tgt Ion:119 Resp: 706348

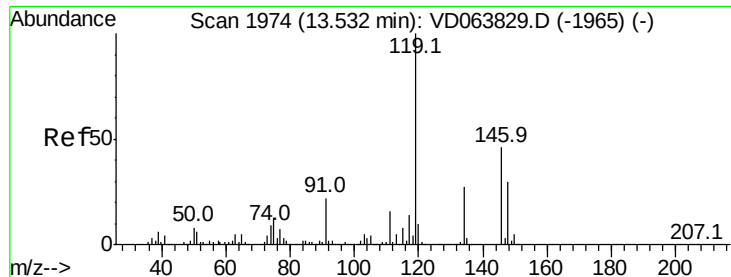
Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.6

91 23.3 11.4 34.1

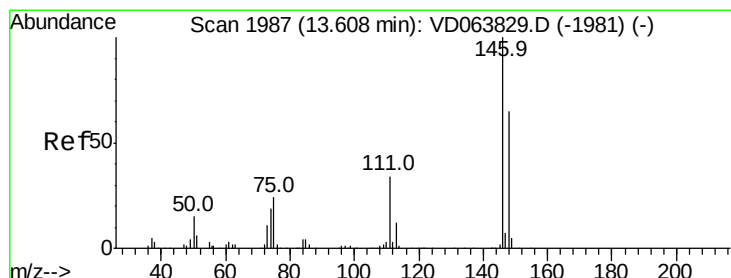
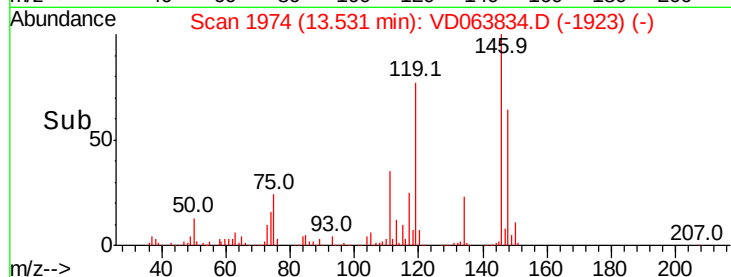
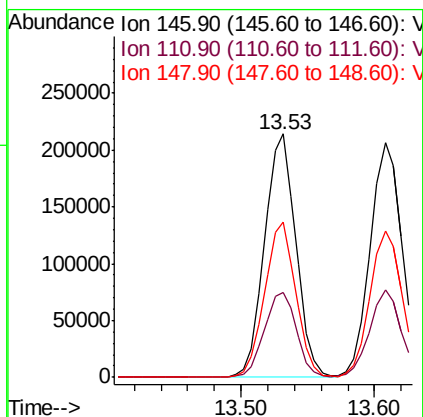
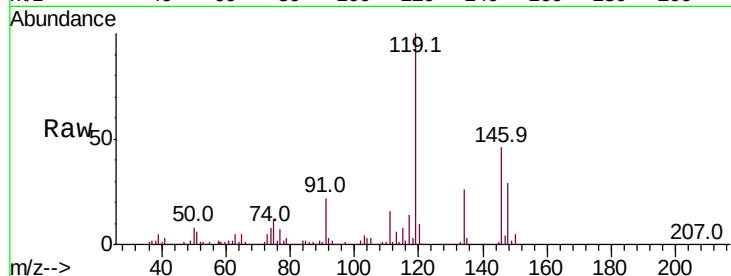




#87
 1,3-Dichlorobenzene
 Concen: 51.241 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

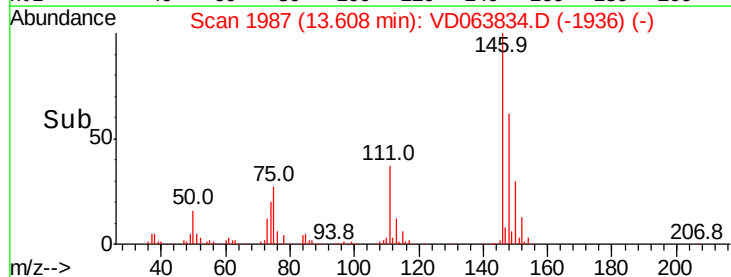
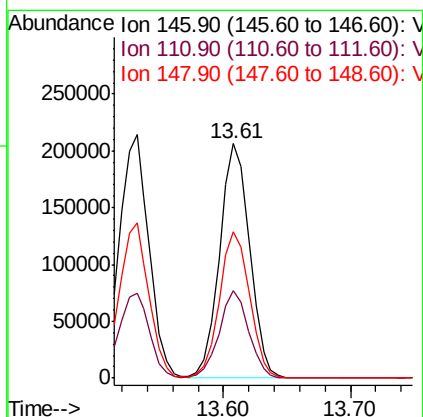
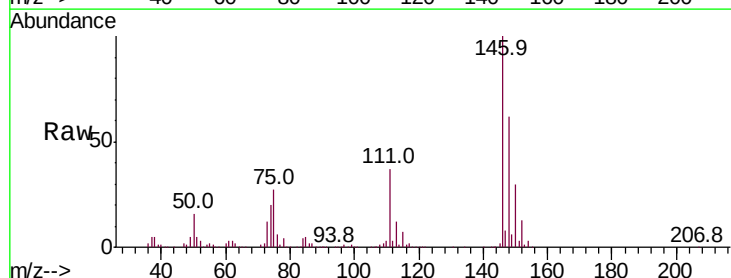
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

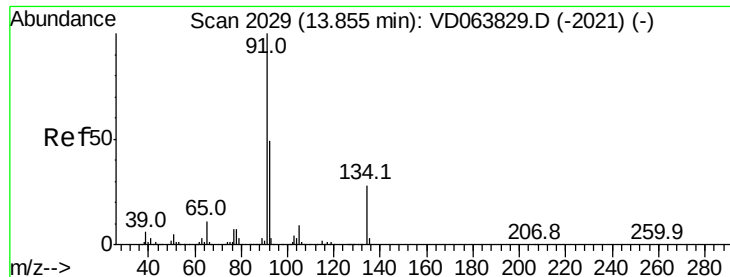
Tot Ion:146 Resp: 349103
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.3 54.8
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.940 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion:146 Resp: 338384
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.5 55.5
 148 62.8 33.0 99.0

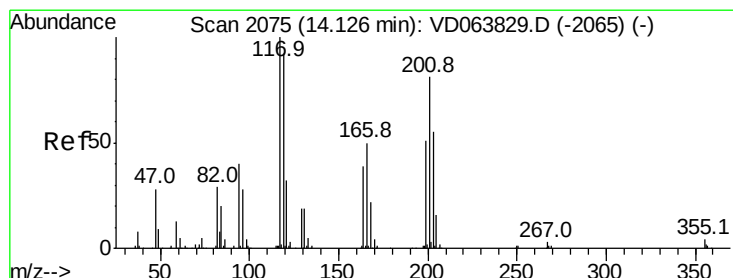
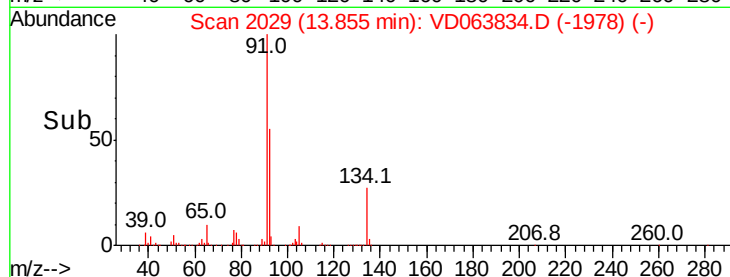
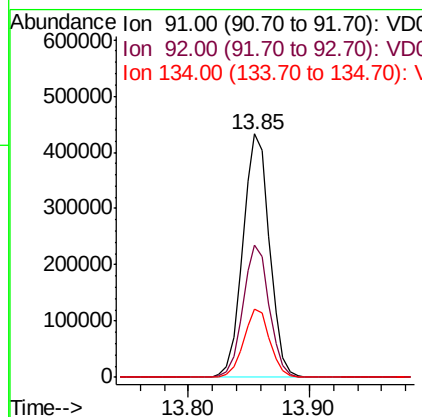
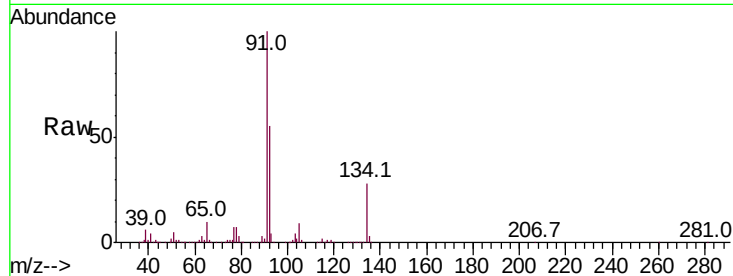




#89
n-Butylbenzene
Concen: 50.813 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

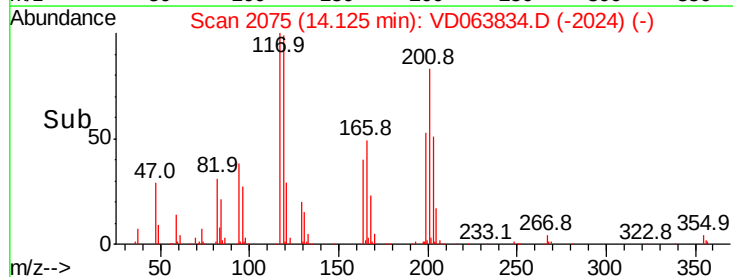
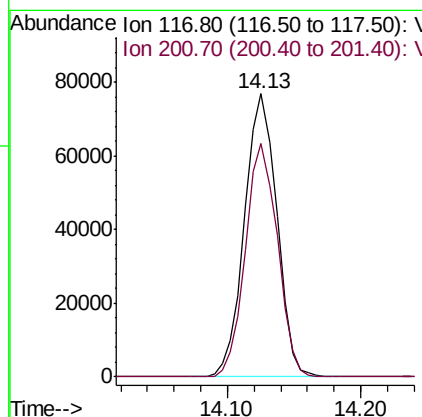
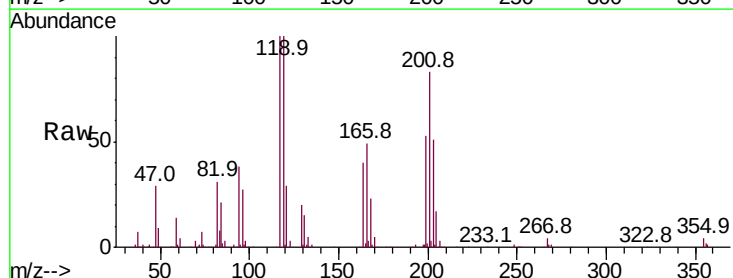
Instrument :
MSVOA_D
ClientSampleId :
BFB39

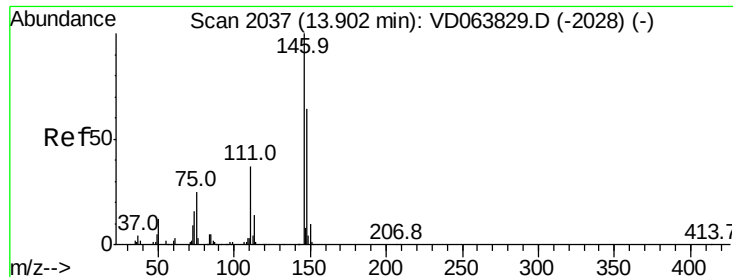
Tot Ion: 91 Resp: 664672
Ion Ratio Lower Upper
91 100
92 53.4 26.1 78.2
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 50.640 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion: 117 Resp: 128915
Ion Ratio Lower Upper
117 100
201 81.7 39.3 117.8

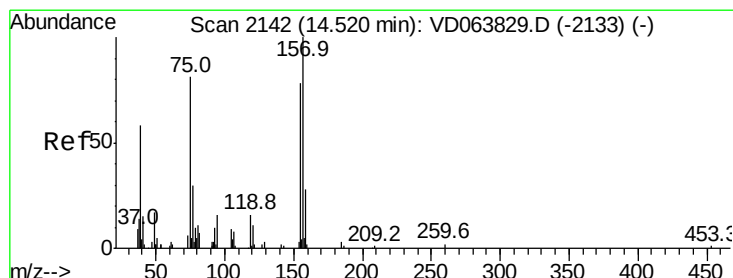
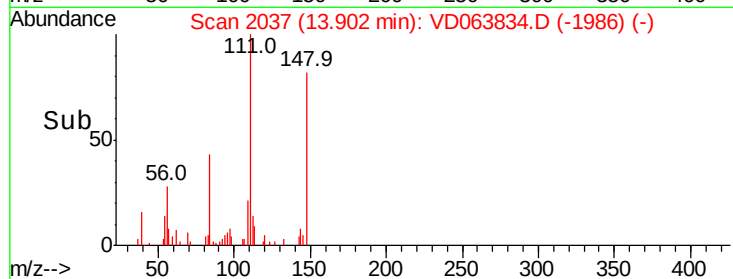
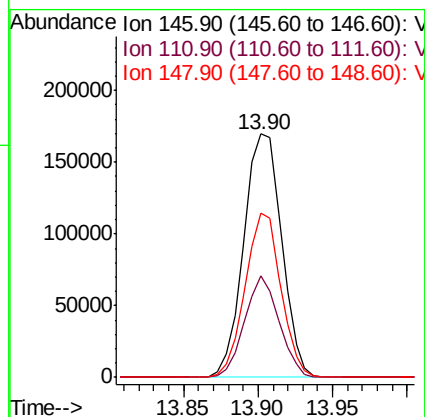
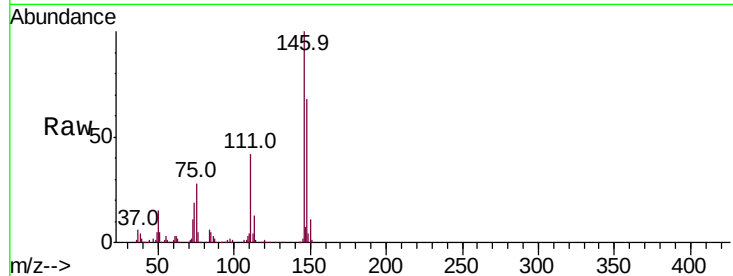




#91
 1,2-Dichlorobenzene
 Concen: 51.121 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

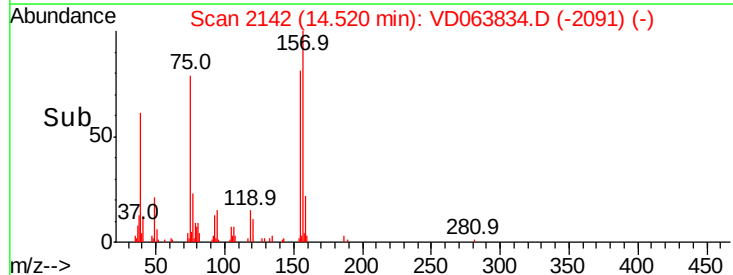
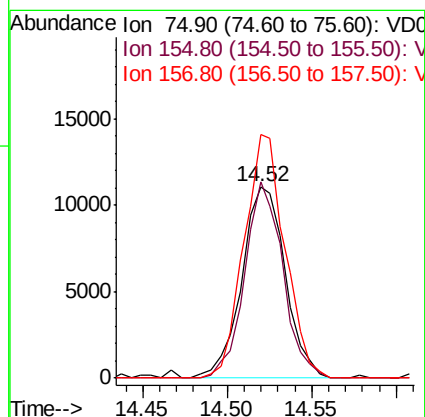
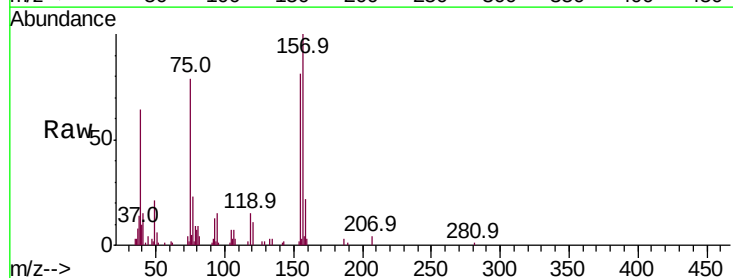
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

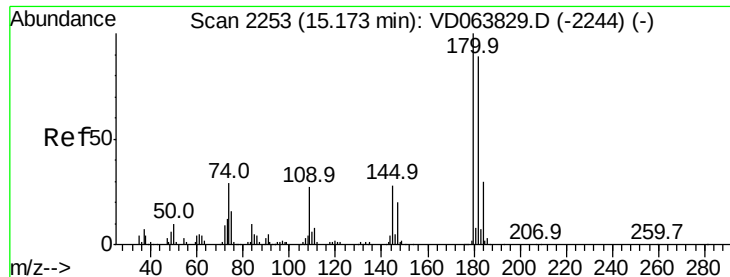
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.7
148	63.8	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.915 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	48.0	144.0
157	119.2	63.2	189.8

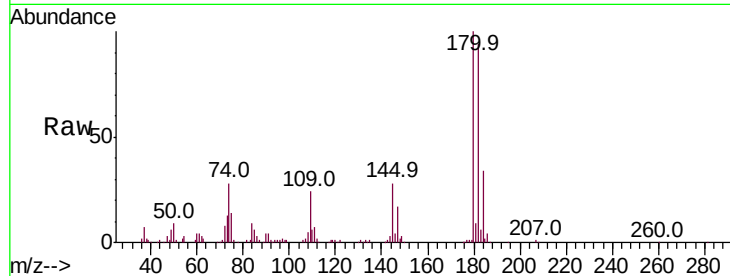




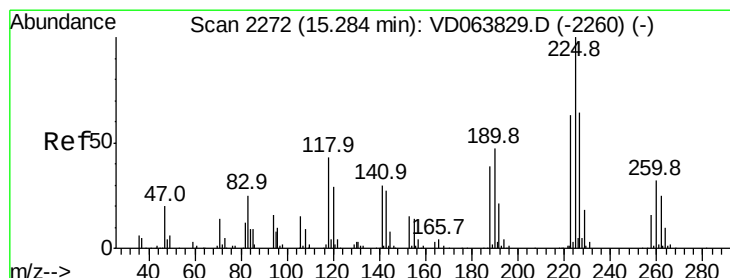
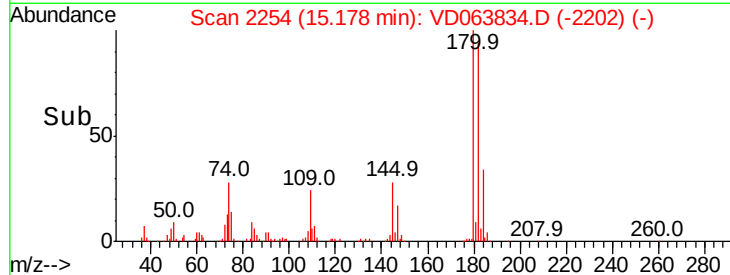
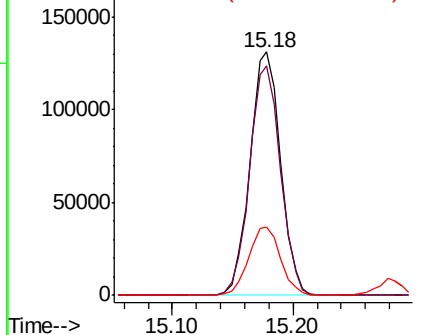
#93
 1,2,4-Trichlorobenzene
 Concen: 52.029 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB39

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.5	139.5
145	29.1	14.4	43.4

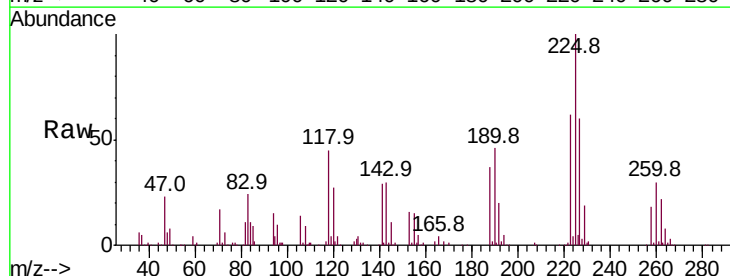


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

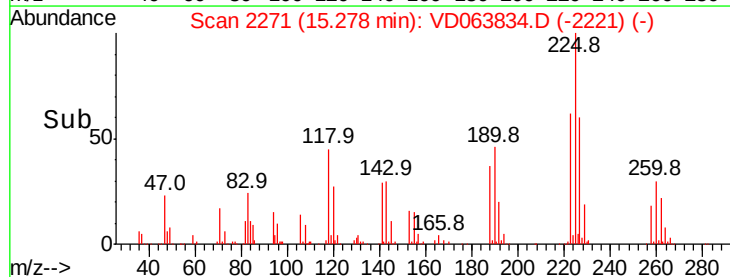
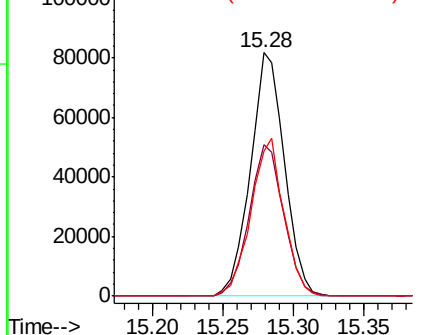


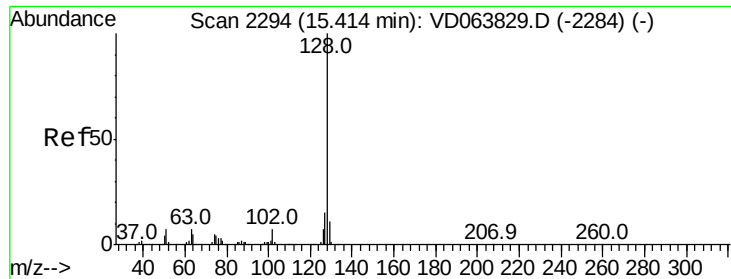
#94
 Hexachlorobutadiene
 Concen: 55.179 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063834.D
 Acq: 26 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.8	98.3
227	62.4	32.8	98.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

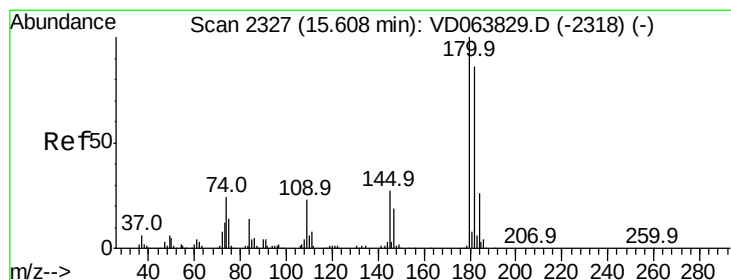
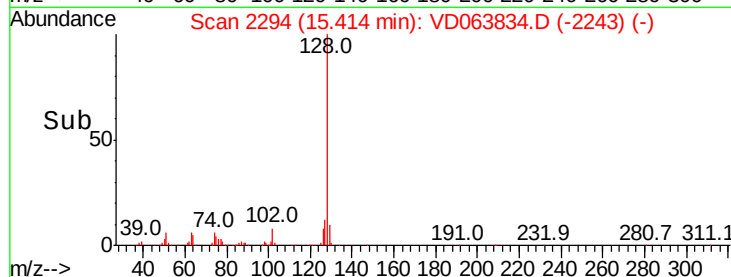
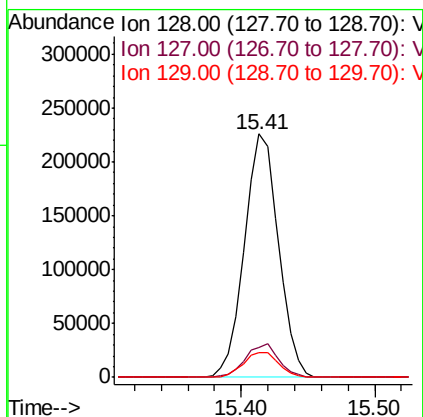
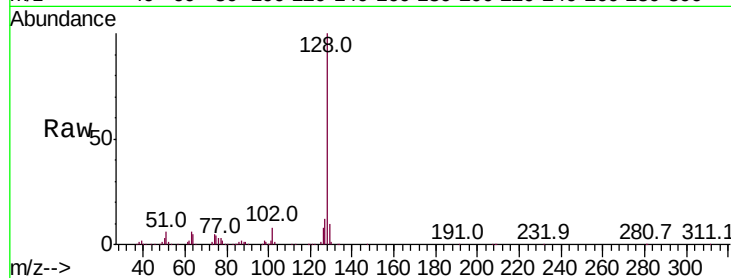




#95
Naphthalene
Concen: 49.966 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
BFB39

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.7	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.879 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD063834.D
Acq: 26 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.6	139.7
145	30.0	14.5	43.5

