

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063829.D
 Acq On : 25 Sep 2019 18:20
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 11:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	252223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	387293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	371295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	201184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	117187	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.94	113	123177	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.36	98	483427	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.64	95	167149	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	70166	40.563	ug/l 100
3) Chloromethane	2.22	50	229016	43.689	ug/l 100
4) Vinyl Chloride	2.36	62	248482	46.447	ug/l 100
5) Bromomethane	2.78	94	149529	47.772	ug/l 100
6) Chloroethane	2.94	64	162711	44.163	ug/l 100
7) Trichlorofluoromethane	3.29	101	337951	46.986	ug/l 100
8) Diethyl Ether	3.73	74	50484	43.046	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	99748	46.750	ug/l 100
10) Methyl Iodide	4.31	142	131538	51.637	ug/l 100
11) Tert butyl alcohol	5.28	59	36609	198.959	ug/l 100
12) 1,1-Dichloroethene	4.09	96	98787	45.867	ug/l 100
13) Acrolein	3.95	56	54792	244.586	ug/l 100
14) Allyl chloride	4.74	41	157160	46.163	ug/l 100
15) Acrylonitrile	5.46	53	121930	235.337	ug/l 100
16) Acetone	4.19	43	123823	232.267	ug/l 100
17) Carbon Disulfide	4.43	76	347080	47.671	ug/l 100
18) Methyl Acetate	4.74	43	57059	43.471	ug/l 100
19) Methyl tert-butyl Ether	5.51	73	255980	47.472	ug/l 100
20) Methylene Chloride	4.98	84	130020	40.536	ug/l 100
21) trans-1,2-Dichloroethene	5.49	96	118621	47.316	ug/l 100
22) Diisopropyl ether	6.39	45	341548	48.575	ug/l 100
23) Vinyl Acetate	6.34	43	997299	239.801	ug/l 100
24) 1,1-Dichloroethane	6.29	63	206510	48.343	ug/l 100
25) 2-Butanone	7.24	43	160829	230.764	ug/l 100
26) 2,2-Dichloropropane	7.24	77	192267	48.127	ug/l 100
27) cis-1,2-Dichloroethene	7.24	96	139394	49.553	ug/l 100
28) Bromochloromethane	7.57	49	89585	53.444	ug/l 100
29) Tetrahydrofuran	7.60	42	98384	235.593	ug/l 100
30) Chloroform	7.73	83	222798	48.018	ug/l 100
31) Cyclohexane	8.00	56	197860	46.400	ug/l 100
32) 1,1,1-Trichloroethane	7.93	97	197221	47.008	ug/l 100
36) 1,1-Dichloropropene	8.13	75	175486	49.675	ug/l 100
37) Ethyl Acetate	7.33	43	67285	45.604	ug/l 100
38) Carbon Tetrachloride	8.12	117	185983	50.581	ug/l 100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	222285	50.533	ug/l	100
40) Benzene	8.37	78	491640	50.533	ug/l	100
41) Methacrylonitrile	7.56	41	40148	46.075	ug/l	100
42) 1,2-Dichloroethane	8.45	62	141813	49.847	ug/l	100
43) Isopropyl Acetate	8.48	43	141415	47.811	ug/l	100
44) Trichloroethene	9.13	130	141960	50.385	ug/l	100
45) 1,2-Dichloropropane	9.41	63	118894	49.471	ug/l	100
46) Dibromomethane	9.49	93	68428	50.446	ug/l	100
47) Bromodichloromethane	9.68	83	176738	50.543	ug/l	100
48) Methyl methacrylate	9.47	41	64148	47.684	ug/l	100
49) 1,4-Dioxane	9.48	88	17554	927.642	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	355296	238.443	ug/l	100
52) Toluene	10.42	92	334553	50.715	ug/l	100
53) t-1,3-Dichloropropene	10.64	75	177552	51.226	ug/l	100
54) cis-1,3-Dichloropropene	10.11	75	201306	51.165	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	97551	50.895	ug/l	100
56) Ethyl methacrylate	10.68	69	122045	50.098	ug/l	100
57) 1,3-Dichloropropane	10.96	76	161219	49.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.96	63	266126	244.414	ug/l	100
59) 2-Hexanone	11.00	43	252021	237.047	ug/l	100
60) Dibromochloromethane	11.16	129	127919	50.572	ug/l	100
61) 1,2-Dibromoethane	11.26	107	96771	50.504	ug/l	100
64) Tetrachloroethene	10.89	164	126363	50.524	ug/l	100
65) Chlorobenzene	11.68	112	379911	50.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.76	131	139102	50.677	ug/l	100
67) Ethyl Benzene	11.76	91	691189	51.233	ug/l	100
68) m/p-Xylenes	11.87	106	528184	101.951	ug/l	100
69) o-Xylene	12.20	106	252522	51.641	ug/l	100
70) Styrene	12.21	104	434876	52.548	ug/l	100
71) Bromoform	12.37	173	81024	53.137	ug/l #	100
73) Isopropylbenzene	12.49	105	684651	49.823	ug/l	100
74) N-amyl acetate	12.30	43	141336	46.985	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	112610	49.165	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	139897	109.645	ug/l #	100
77) Bromobenzene	12.77	156	165900	50.235	ug/l	100
78) n-propylbenzene	12.83	91	802251	49.623	ug/l	100
79) 2-Chlorotoluene	12.92	91	442240	50.716	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	579338	50.574	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	36678	48.018	ug/l	100
82) 4-Chlorotoluene	13.02	91	461310	49.592	ug/l	100
83) tert-Butylbenzene	13.24	119	499453	49.899	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	589448	50.685	ug/l	100
85) sec-Butylbenzene	13.41	105	695977	49.970	ug/l	100
86) p-Isopropyltoluene	13.53	119	668477	51.104	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	329720	50.851	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	316398	49.064	ug/l	100
89) n-Butylbenzene	13.86	91	627689	50.419	ug/l	100
90) Hexachloroethane	14.13	117	123311	50.895	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	281776	50.662	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	17353	44.902	ug/l	100

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QLast Update : Thu Sep 26 11:05:05 2019
Response via : Initial Calibration

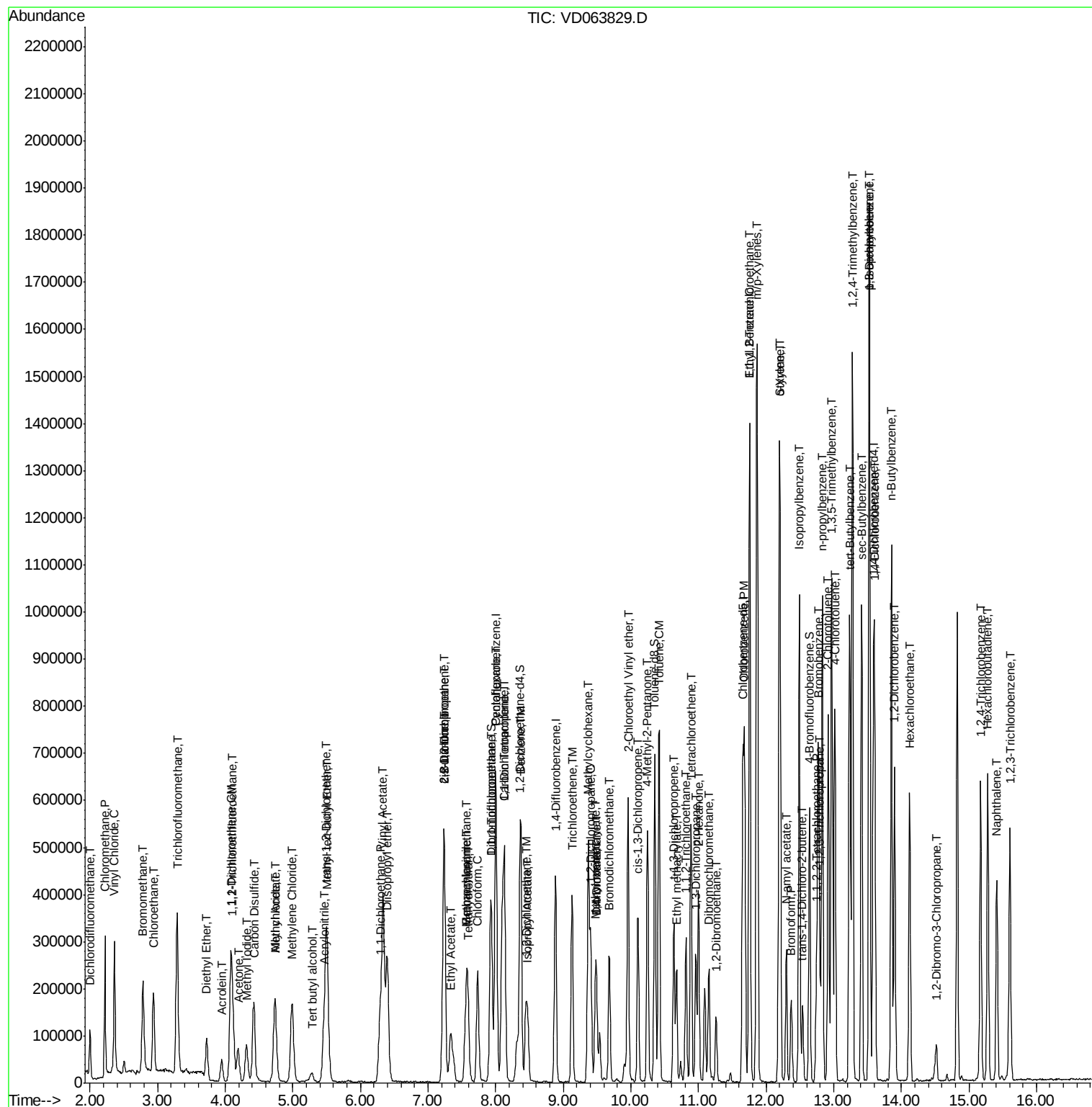
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	217884	51.586	ug/l	100
94) Hexachlorobutadiene	15.28	225	122636	51.245	ug/l	100
95) Naphthalene	15.41	128	377696	49.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	190323	50.825	ug/l	100

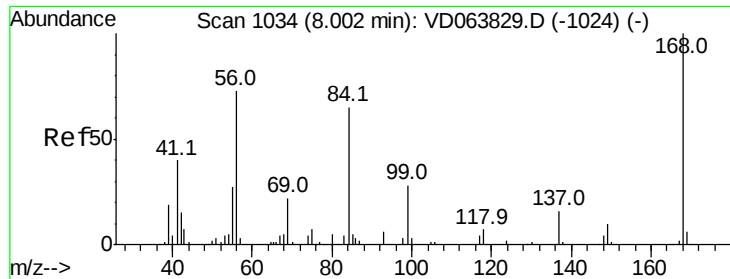
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

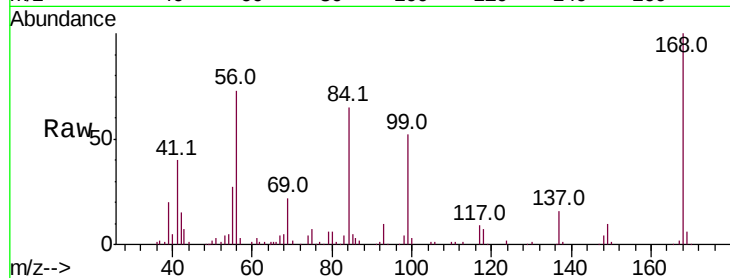
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 252223

Ion Ratio Lower Upper

168 100

99 51.5 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

120000

100000

80000

60000

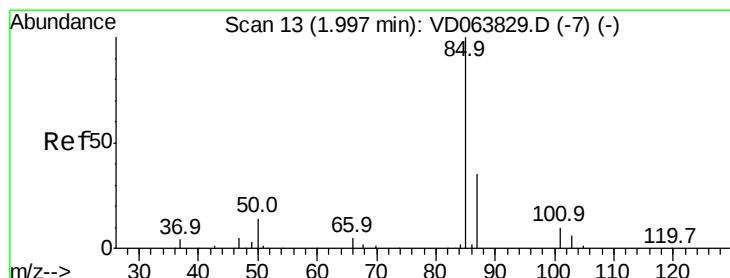
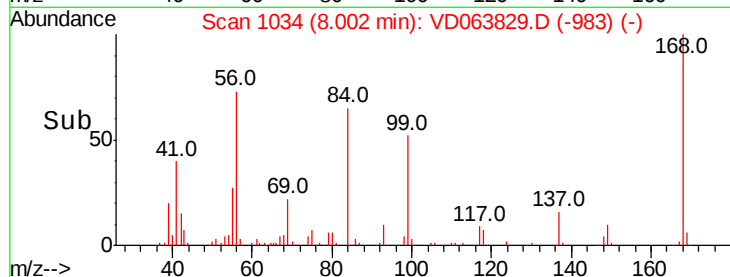
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 40.563 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063829.D

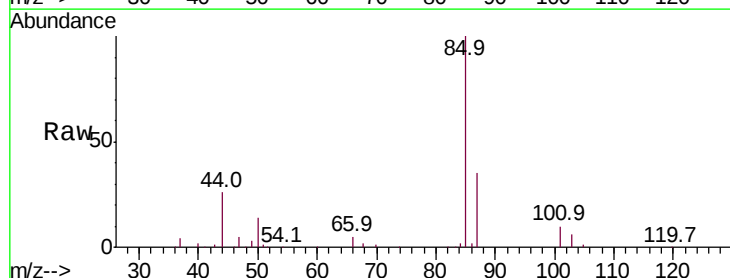
Acq: 25 Sep 2019 18:20

Tgt Ion: 85 Resp: 70166

Ion Ratio Lower Upper

85 100

87 34.5 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

50000

40000

30000

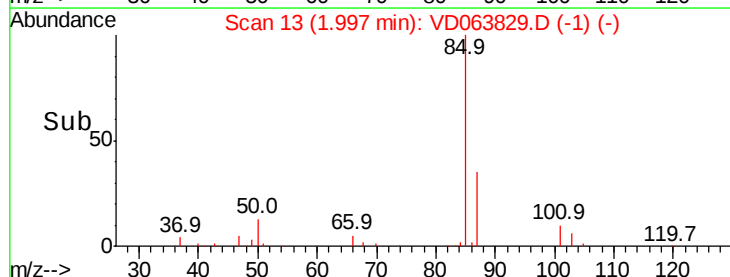
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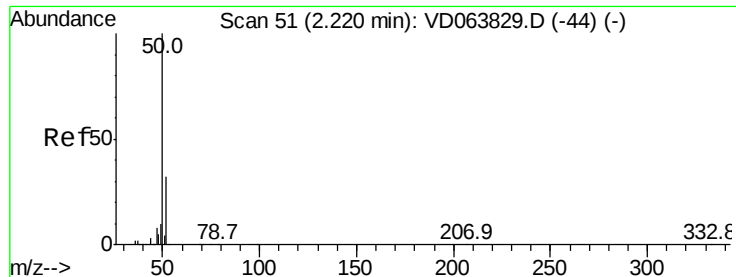
10000

0

Time-->

1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 43.689 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

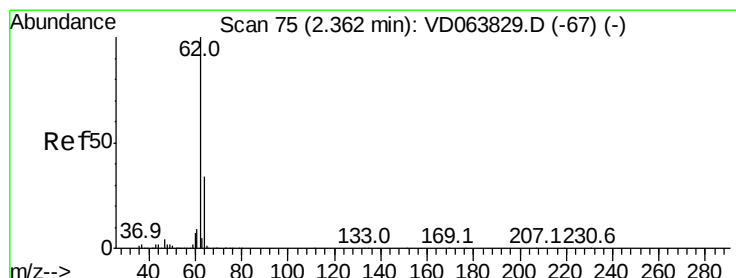
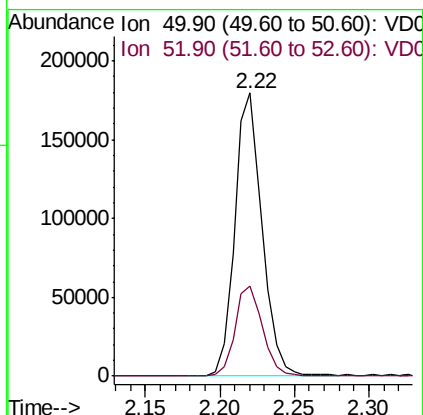
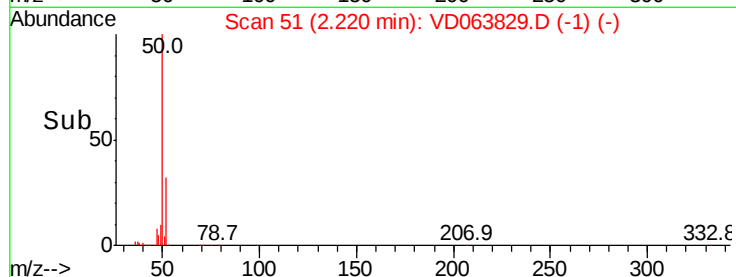
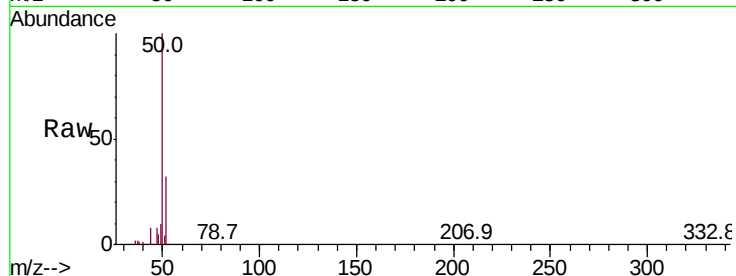
ClientSampleId :

Tot Ion: 50 Resp: 229016

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4



#4

Vinyl Chloride

Concen: 46.447 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063829.D

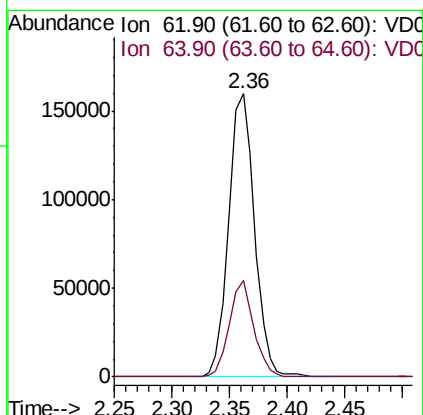
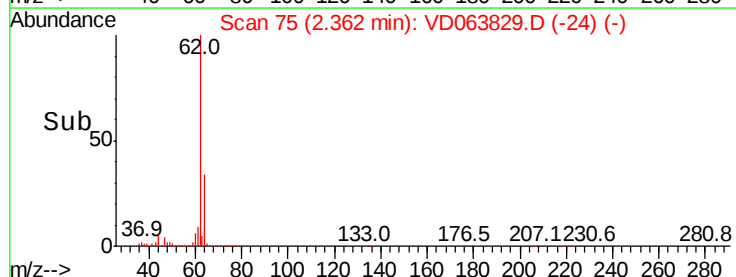
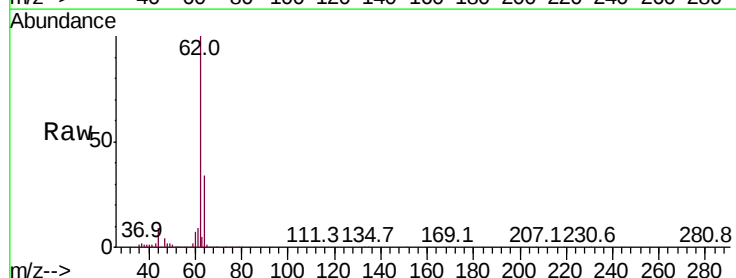
Acq: 25 Sep 2019 18:20

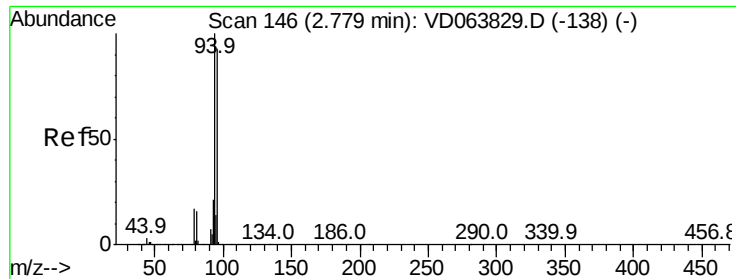
Tgt Ion: 62 Resp: 248482

Ion Ratio Lower Upper

62 100

64 33.9 27.1 40.7





#5

Bromomethane

Concen: 47.772 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

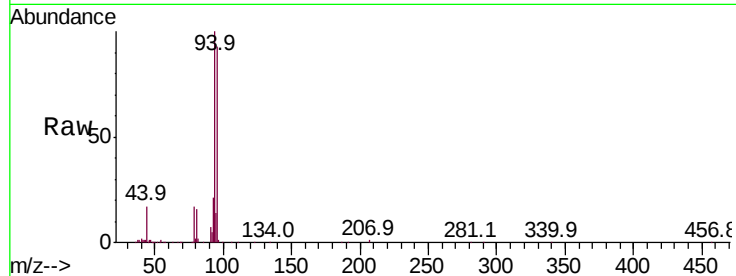
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 149529

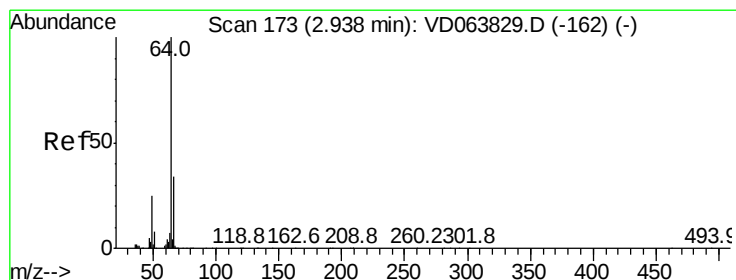
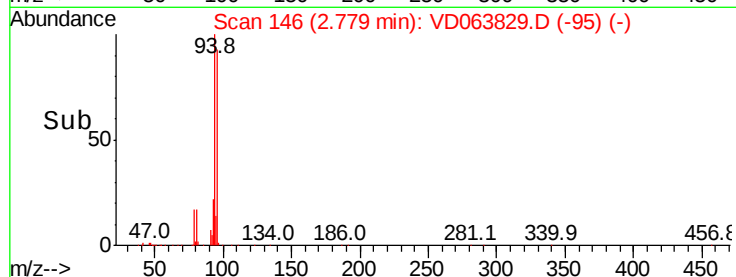
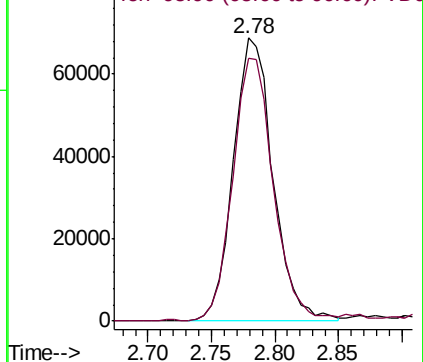
Ion Ratio Lower Upper

94 100

96 92.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.163 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063829.D

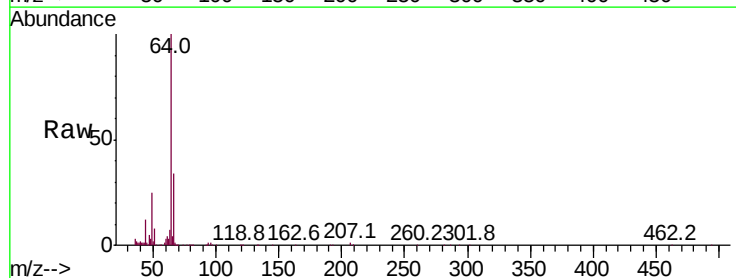
Acq: 25 Sep 2019 18:20

Tgt Ion: 64 Resp: 162711

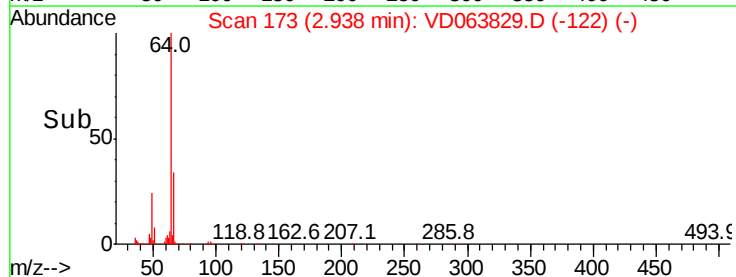
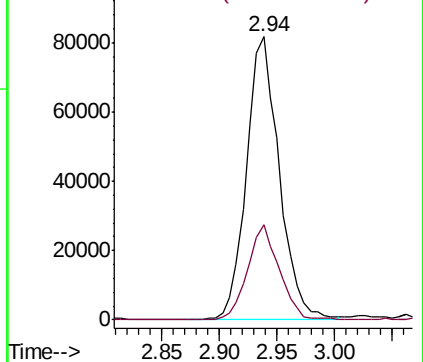
Ion Ratio Lower Upper

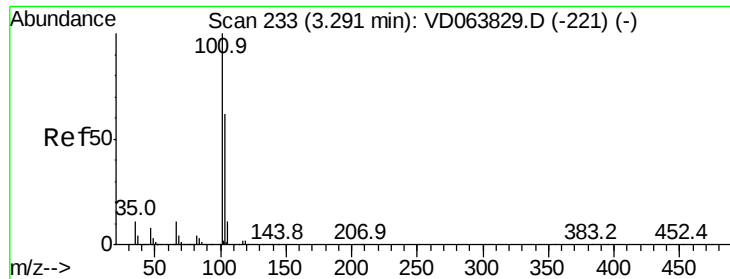
64 100

66 33.6 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



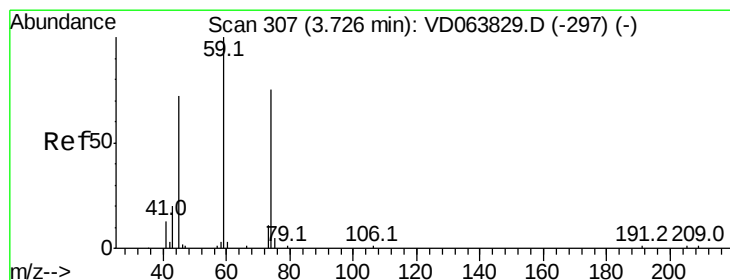
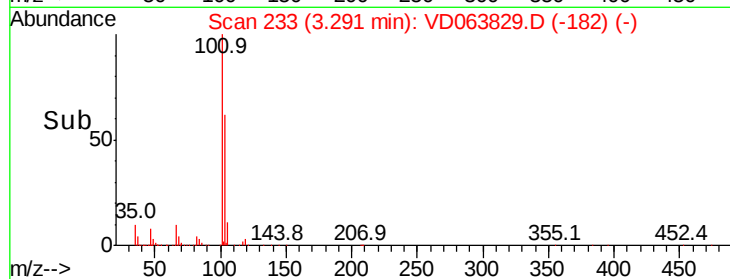
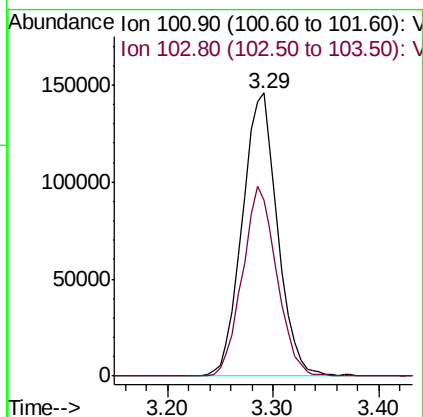
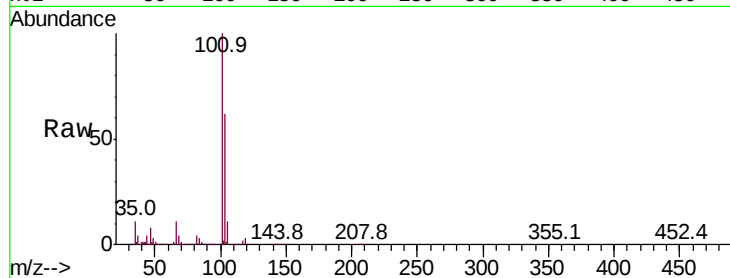


#7

Trichlorofluoromethane
Concen: 46.986 ug/l
RT: 3.29 min Scan# 233
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

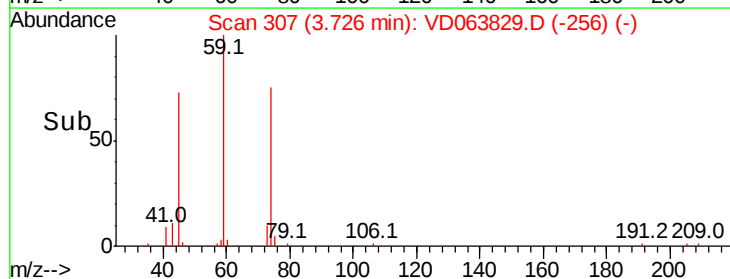
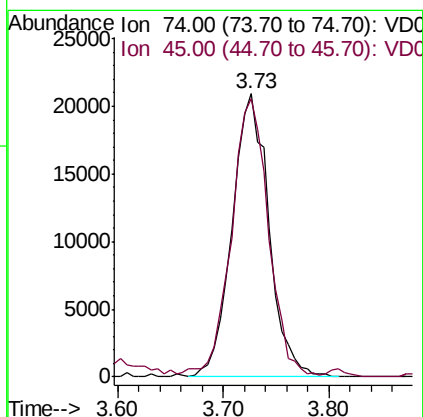
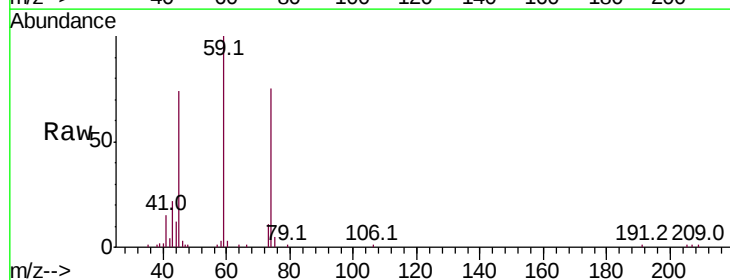
Tot Ion:101 Resp: 337951
Ion Ratio Lower Upper
101 100
103 62.3 49.8 74.8

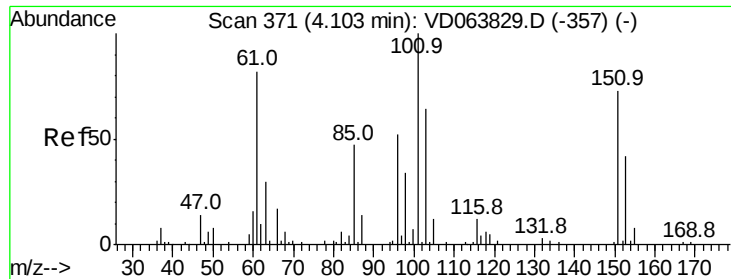


#8

Diethyl Ether
Concen: 43.046 ug/l
RT: 3.73 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 74 Resp: 50484
Ion Ratio Lower Upper
74 100
45 97.9 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.750 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampled :

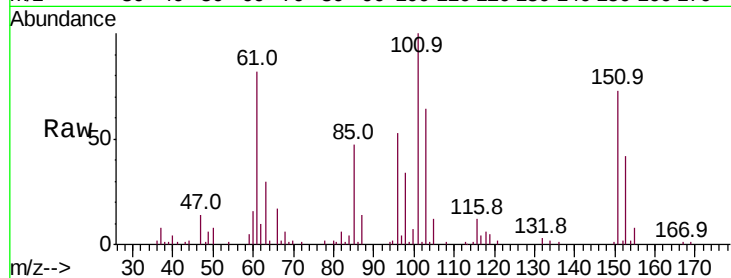
Tot Ion:101 Resp: 99748

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.6

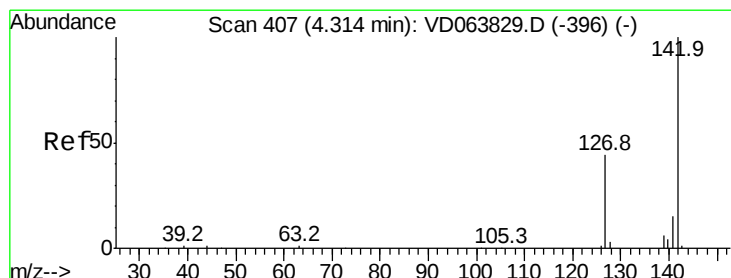
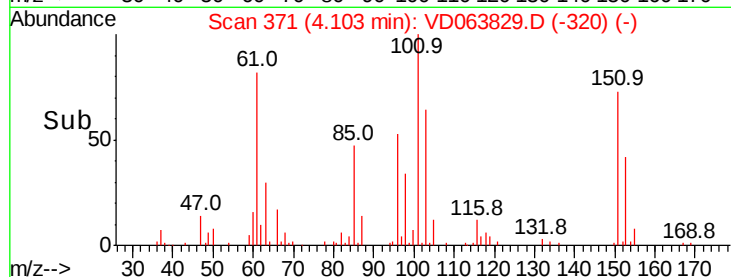
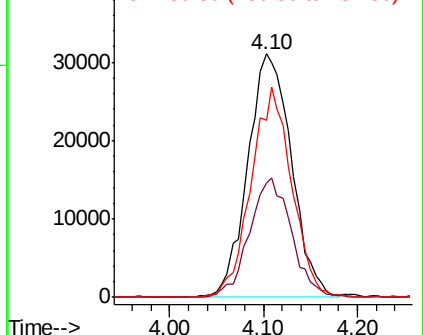
151 80.2 64.2 96.2



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: 51.637 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

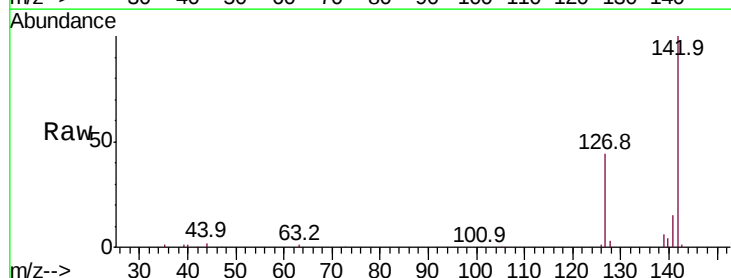
Tgt Ion:142 Resp: 131538

Ion Ratio Lower Upper

142 100

127 44.7 35.8 53.6

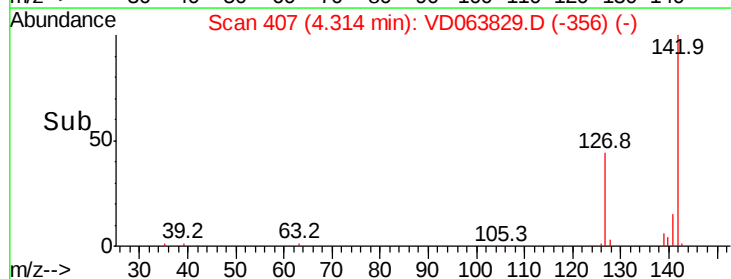
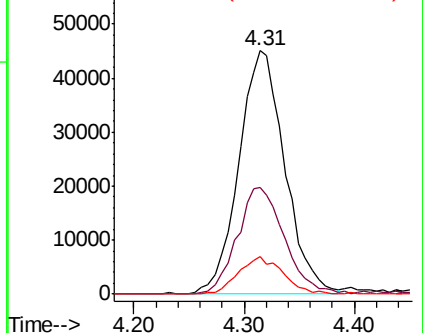
141 14.9 11.9 17.9

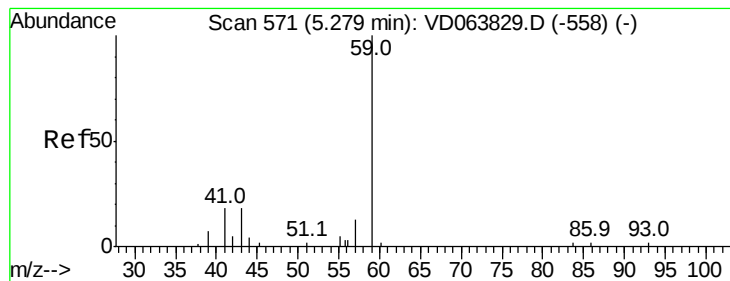


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



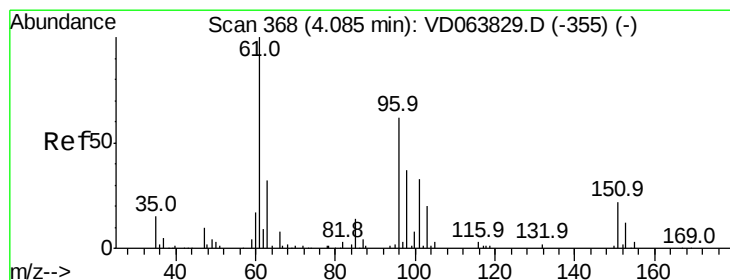
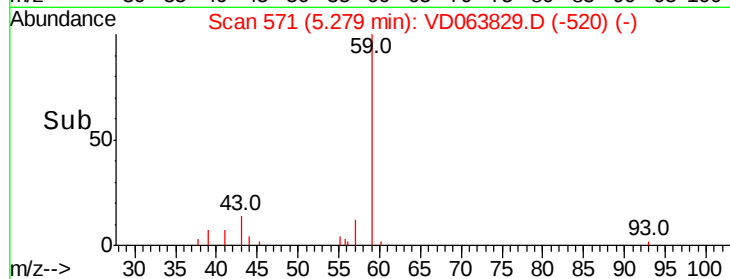
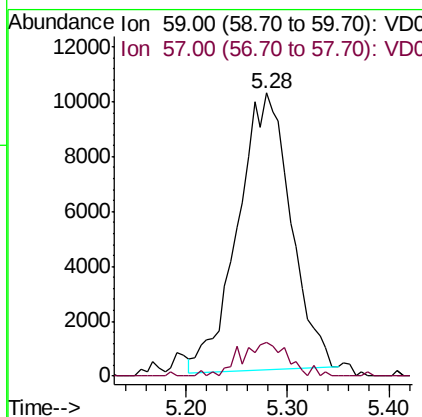
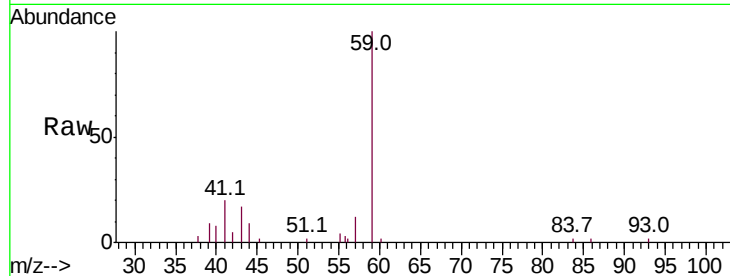


#11

Tert butyl alcohol
 Concen: 198.959 ug/l
 RT: 5.28 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampled :

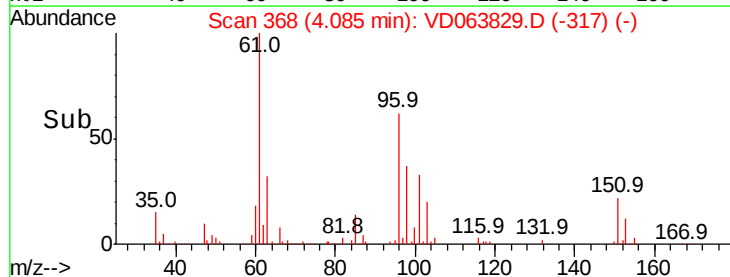
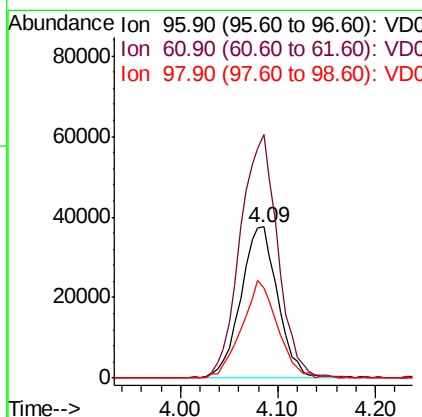
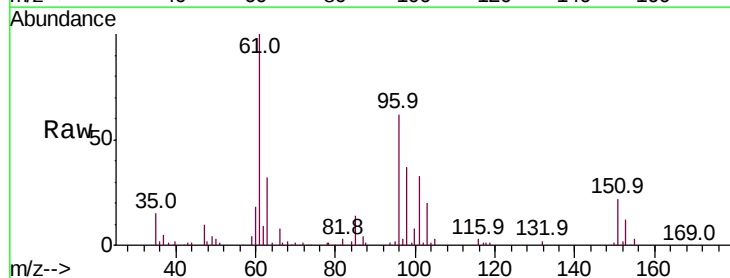
Tot Ion: 59 Resp: 36609
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

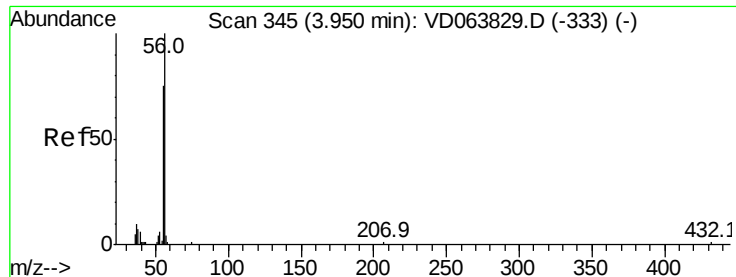


#12

1,1-Dichloroethene
 Concen: 45.867 ug/l
 RT: 4.09 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion: 96 Resp: 98787
 Ion Ratio Lower Upper
 96 100
 61 161.2 129.0 193.4
 98 59.7 47.8 71.6





#13

Acrolein

Concen: 244.586 ug/l

RT: 3.95 min Scan# 345

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

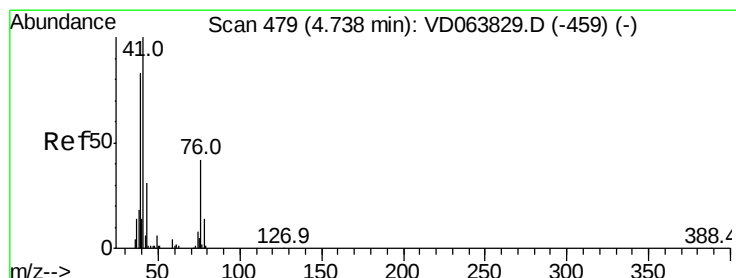
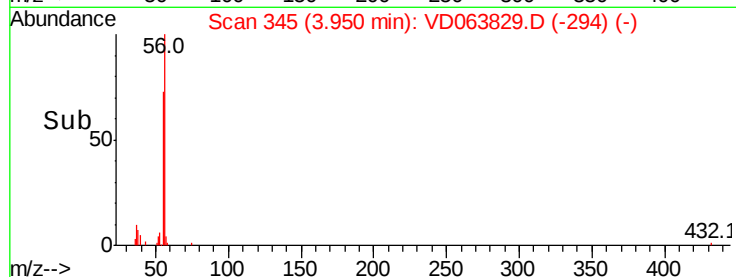
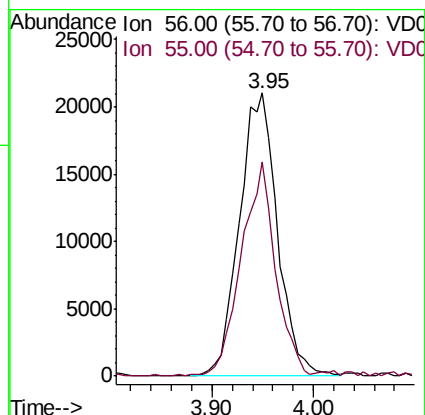
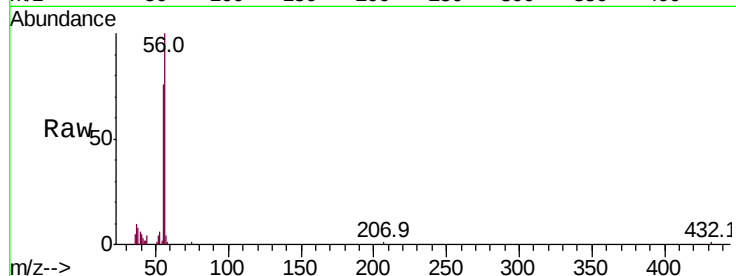
ClientSampleId :

Tot Ion: 56 Resp: 54792

Ion Ratio Lower Upper

56 100

55 68.8 55.0 82.6



#14

Allyl chloride

Concen: 46.163 ug/l

RT: 4.74 min Scan# 479

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

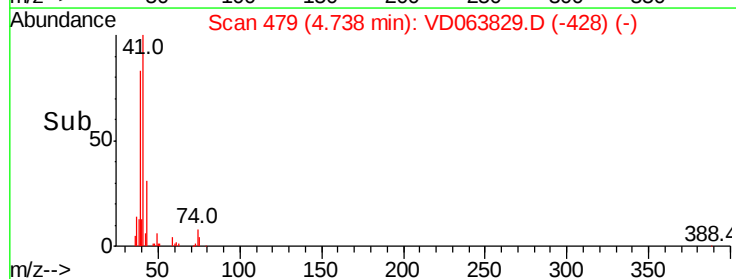
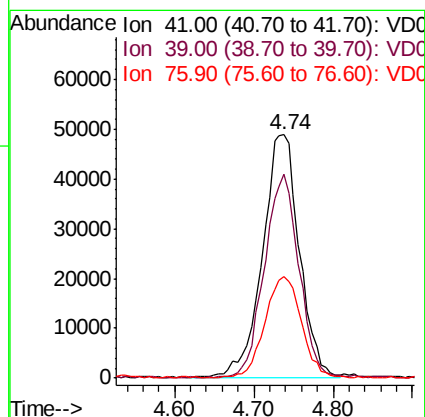
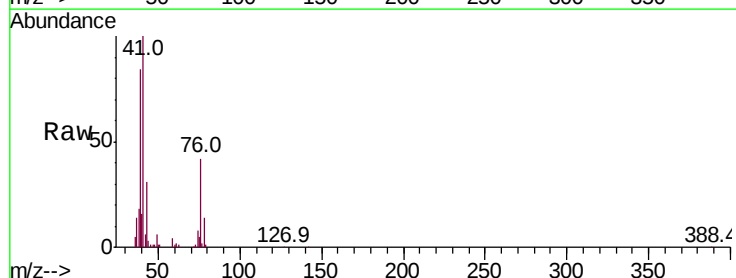
Tgt Ion: 41 Resp: 157160

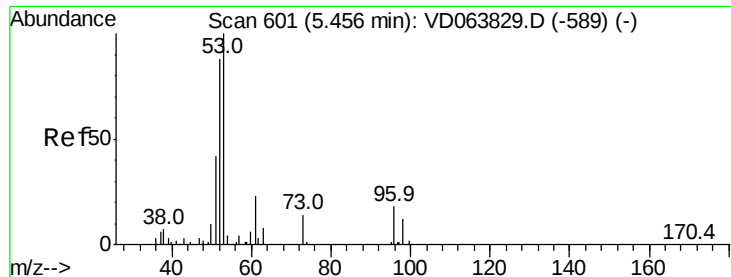
Ion Ratio Lower Upper

41 100

39 79.6 63.7 95.5

76 41.9 33.5 50.3





#15

Acrylonitrile

Concen: 235.337 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

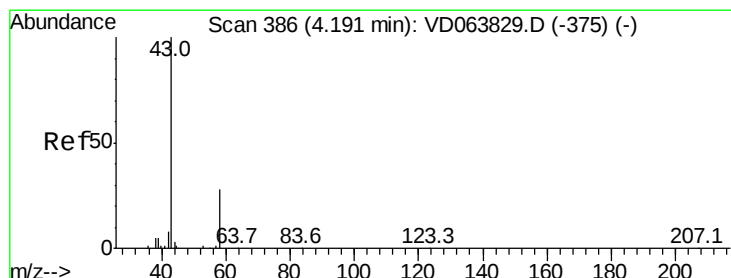
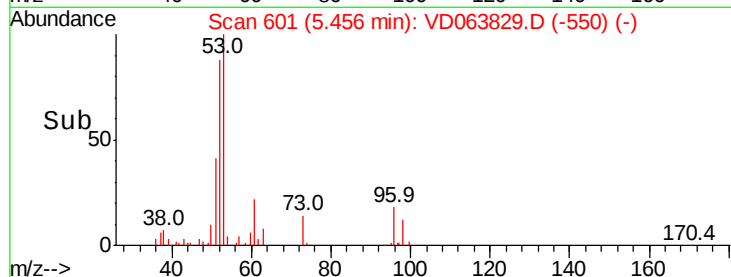
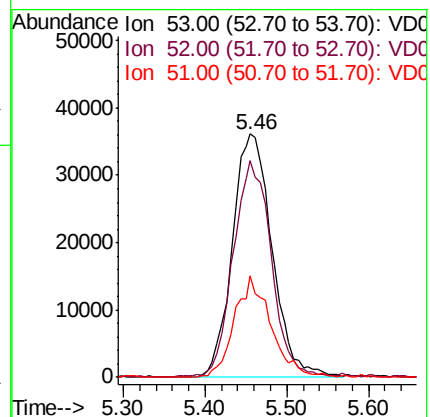
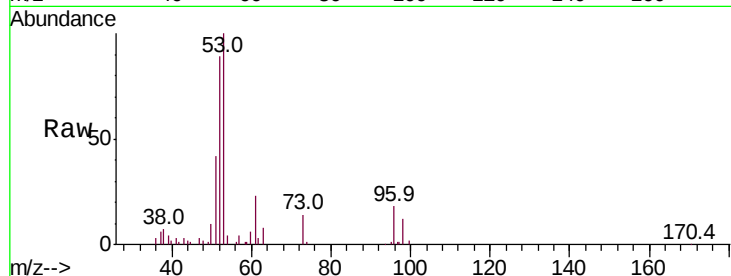
Tot Ion: 53 Resp: 121930

Ion Ratio Lower Upper

53 100

52 85.9 68.7 103.1

51 38.4 30.7 46.1



#16

Acetone

Concen: 232.267 ug/l

RT: 4.19 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD063829.D

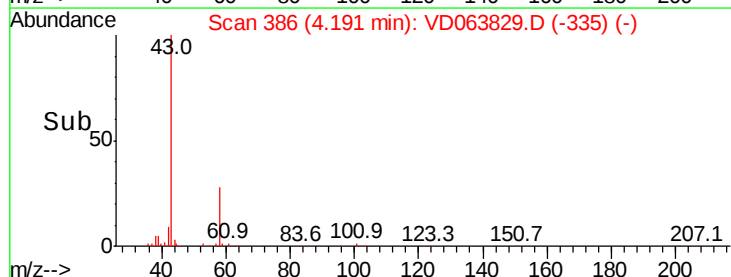
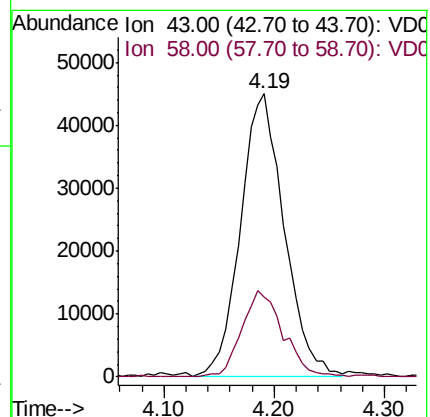
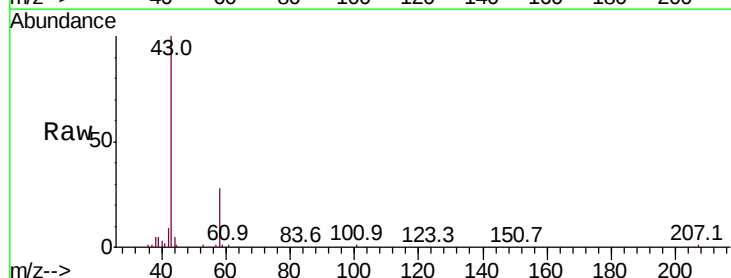
Acq: 25 Sep 2019 18:20

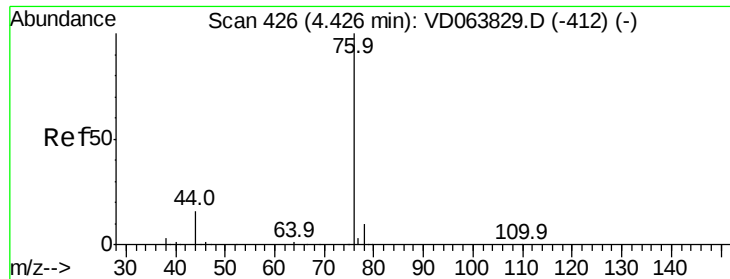
Tgt Ion: 43 Resp: 123823

Ion Ratio Lower Upper

43 100

58 28.3 22.6 34.0

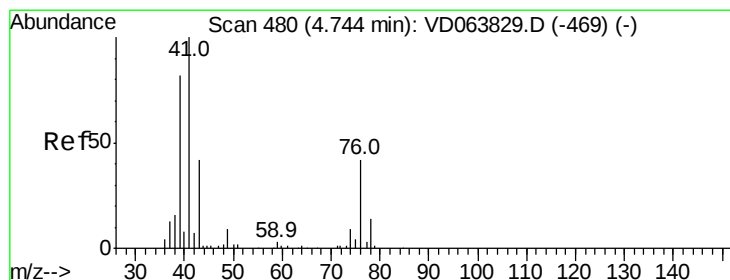
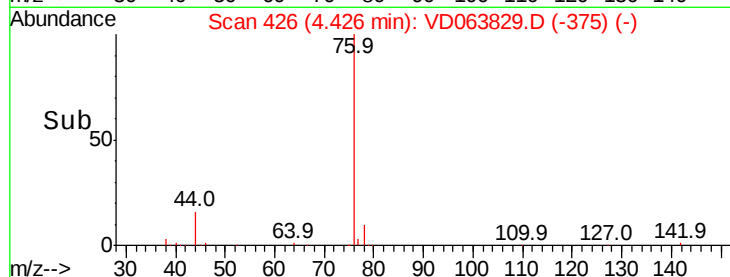
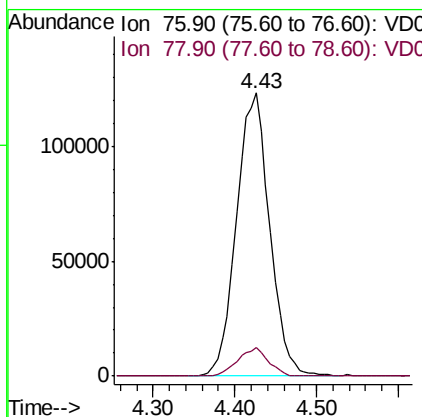
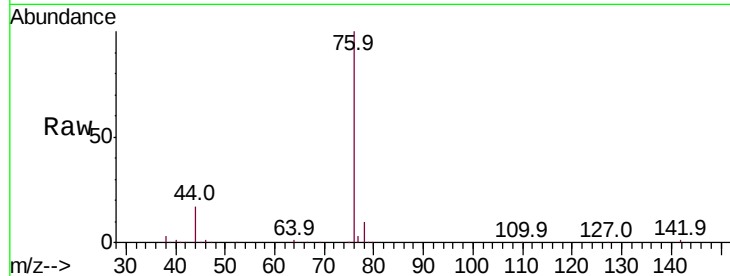




#17
Carbon Disulfide
Concen: 47.671 ug/l
RT: 4.43 min Scan# 426
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

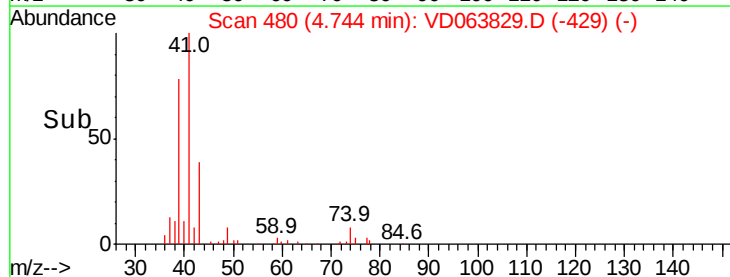
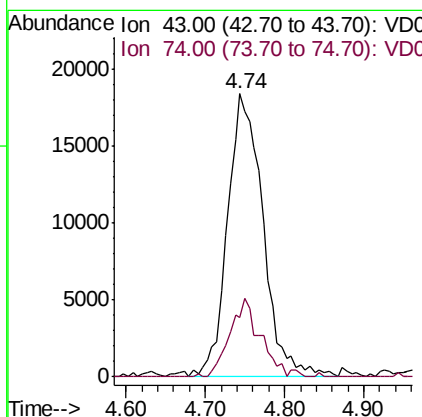
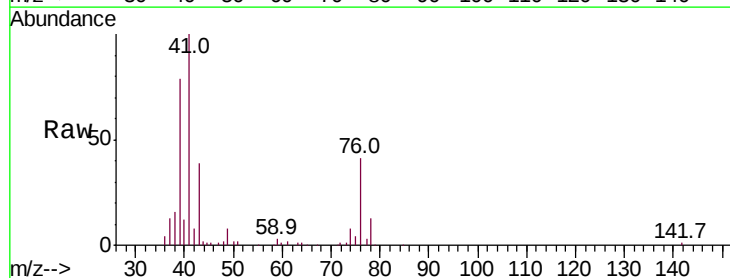
Instrument :
MSVOA_D
ClientSampleId :

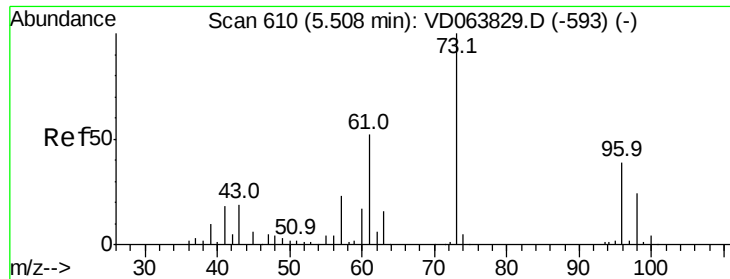
Tot Ion: 76 Resp: 347080
Ion Ratio Lower Upper
76 100
78 9.9 7.9 11.9



#18
Methyl Acetate
Concen: 43.471 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 43 Resp: 57059
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0

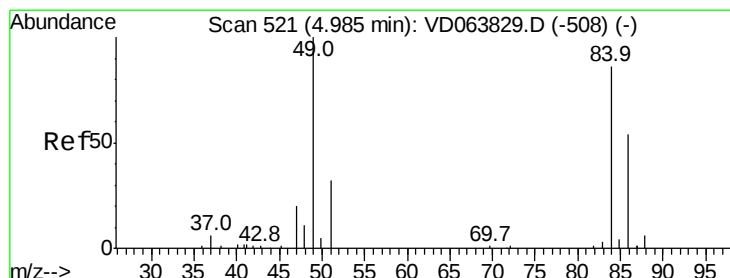
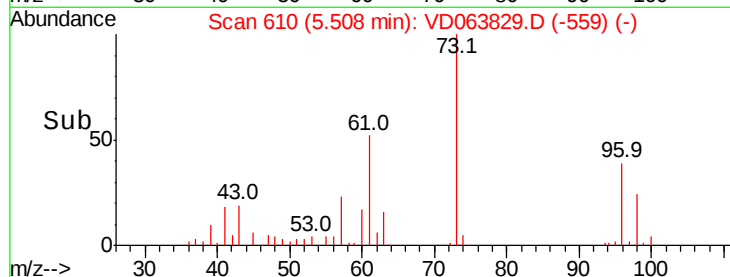
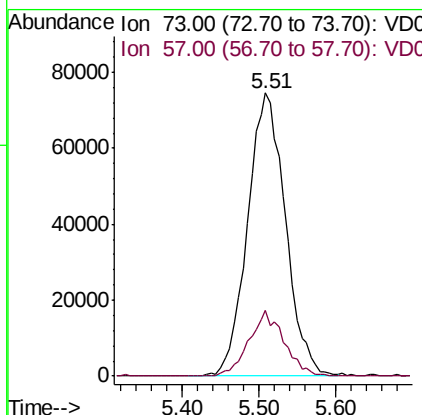
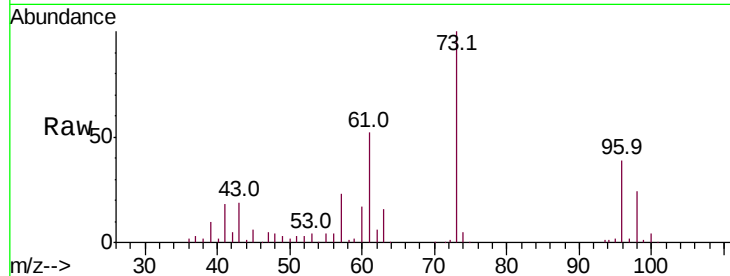




#19
Methvl tert-butvl Ether
Concen: 47.472 ug/l
RT: 5.51 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

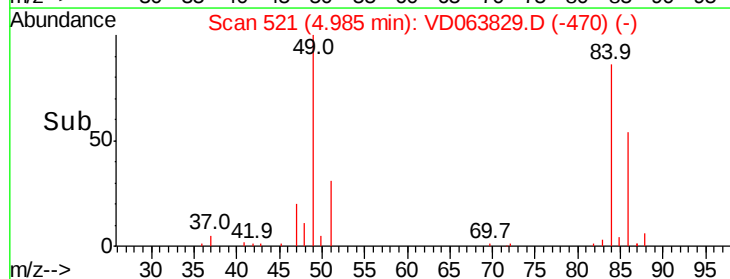
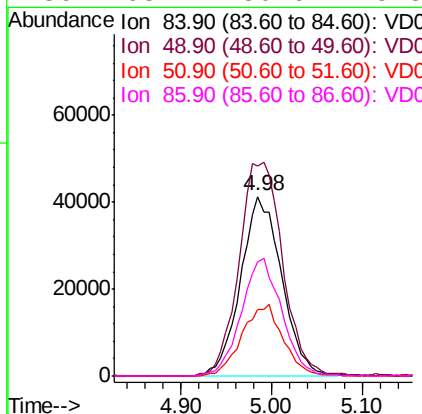
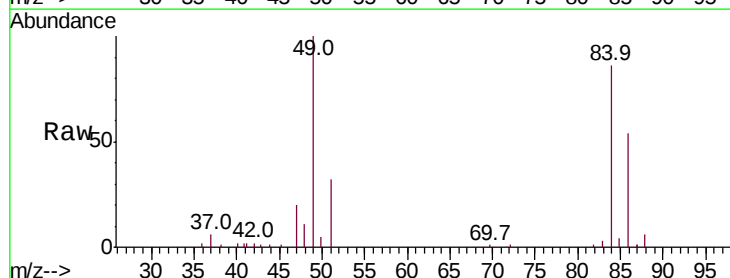
Instrument :
MSVOA_D
ClientSampled :

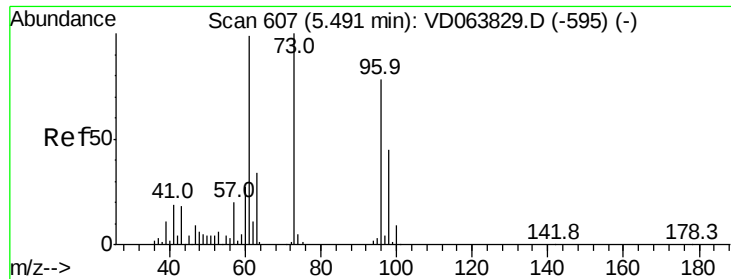
Tot Ion: 73 Resp: 255980
Ion Ratio Lower Upper
73 100
57 23.4 18.7 28.1



#20
Methylene Chloride
Concen: 40.536 ug/l
RT: 4.98 min Scan# 521
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 84 Resp: 130020
Ion Ratio Lower Upper
84 100
49 117.0 93.6 140.4
51 37.2 29.8 44.6
86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.316 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

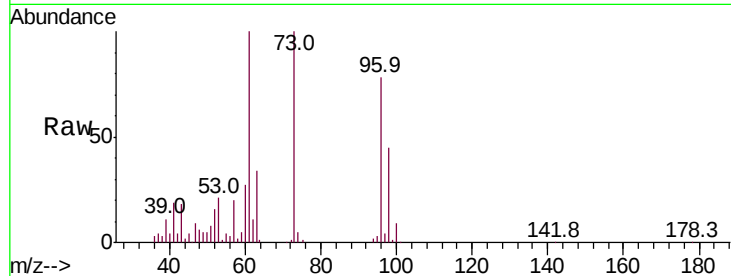
Tot Ion: 96 Resp: 118621

Ion Ratio Lower Upper

96 100

61 126.6 101.3 151.9

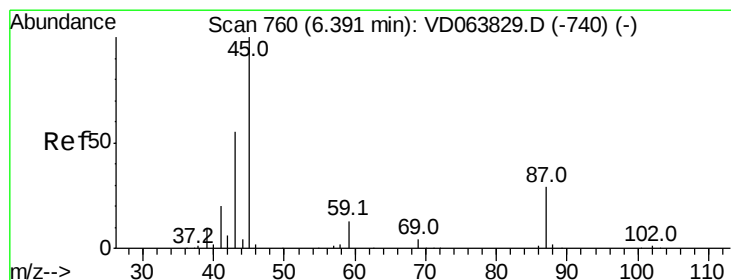
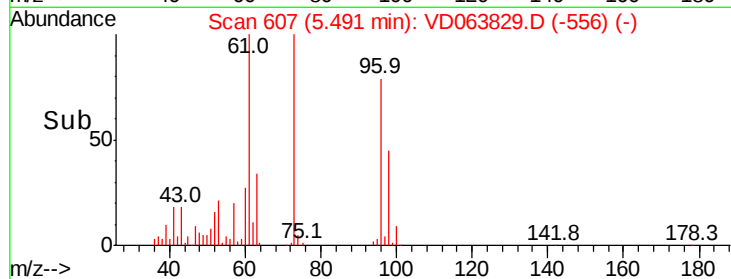
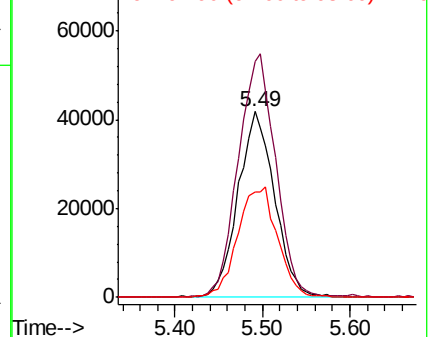
98 56.8 45.4 68.2



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



#22

Diisopropyl ether

Concen: 48.575 ug/l

RT: 6.39 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion: 45 Resp: 341548

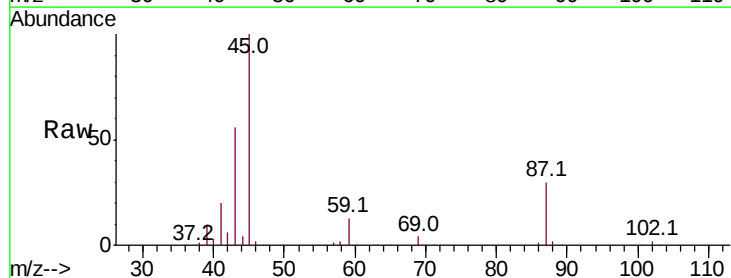
Ion Ratio Lower Upper

45 100

43 55.2 44.2 66.2

87 29.9 23.9 35.9

59 12.5 10.0 15.0

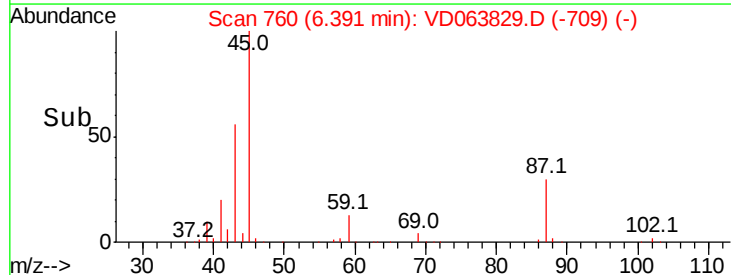
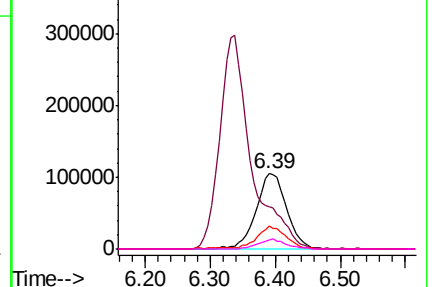


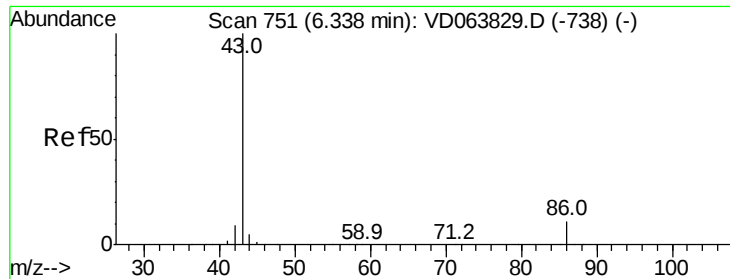
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 239.801 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

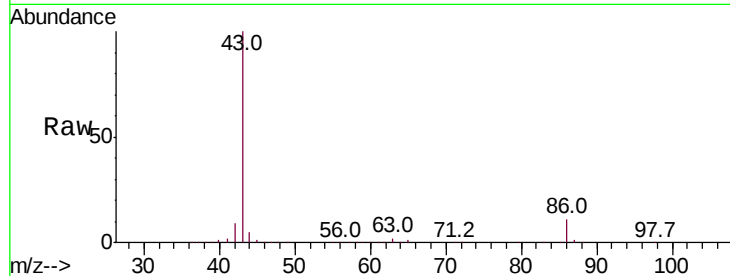
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 997299

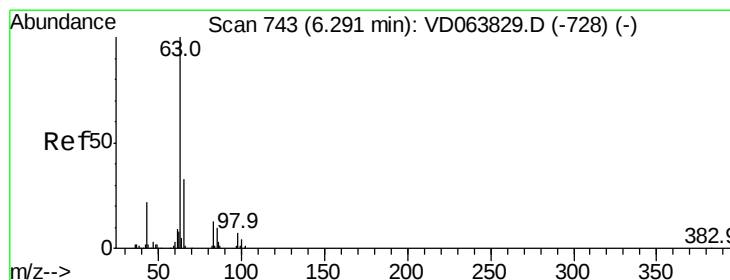
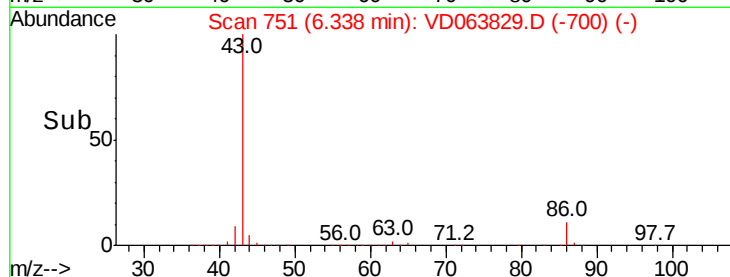
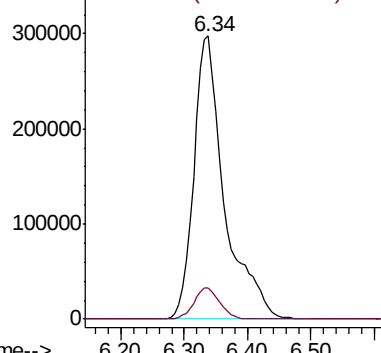
Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.343 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

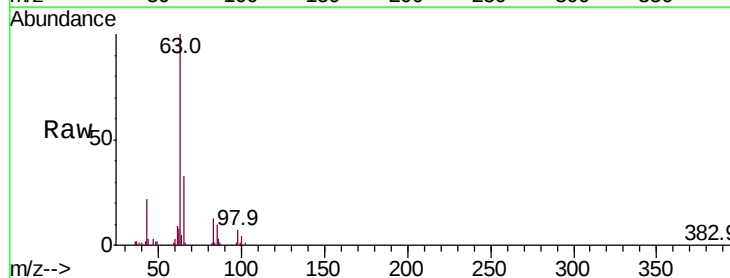
Tgt Ion: 63 Resp: 206510

Ion Ratio Lower Upper

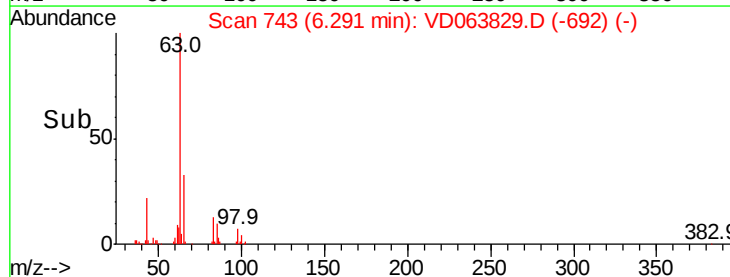
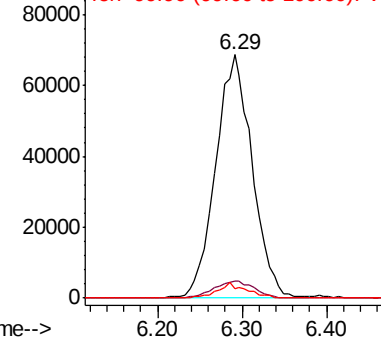
63 100

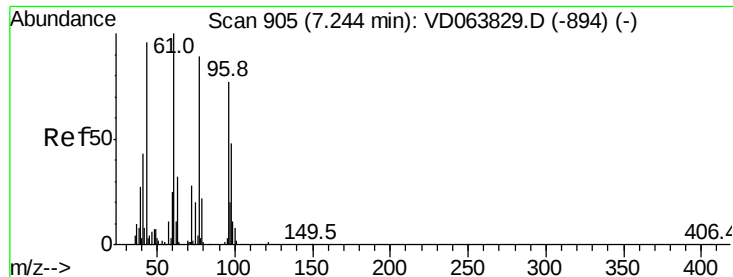
98 7.0 3.5 10.5

100 4.0 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: 230.764 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

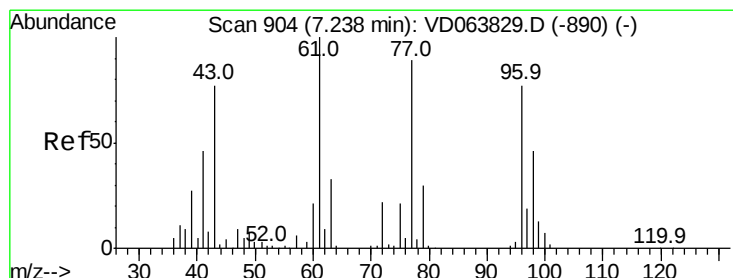
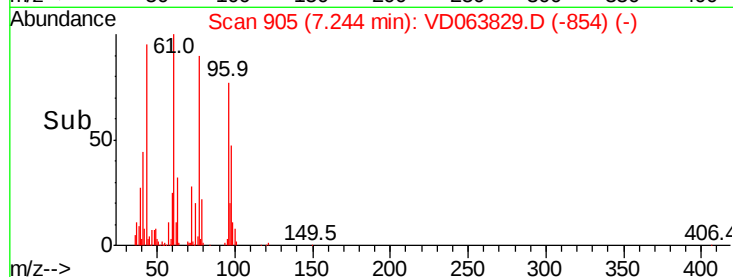
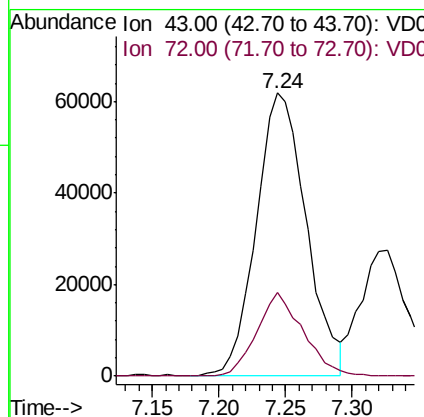
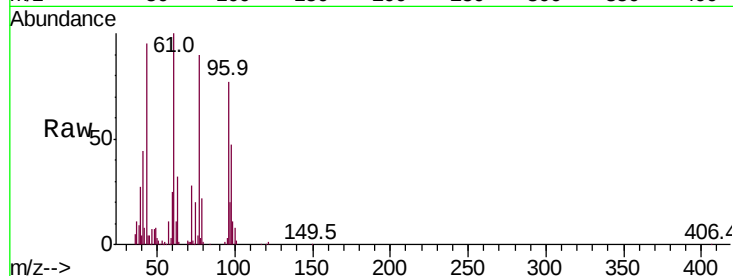
ClientSampleId :

Tot Ion: 43 Resp: 160829

Ion Ratio Lower Upper

43 100

72 29.4 23.5 35.3



#26

2,2-Dichloropropane

Concen: 48.127 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.00 min

Lab File: VD063829.D

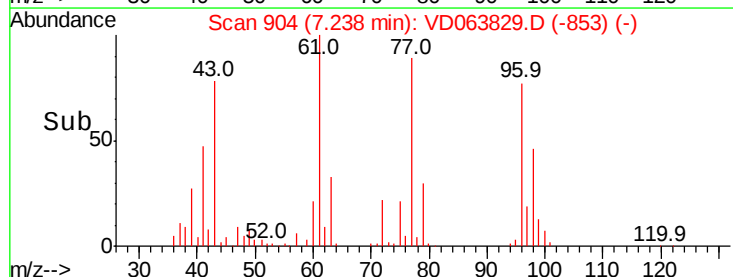
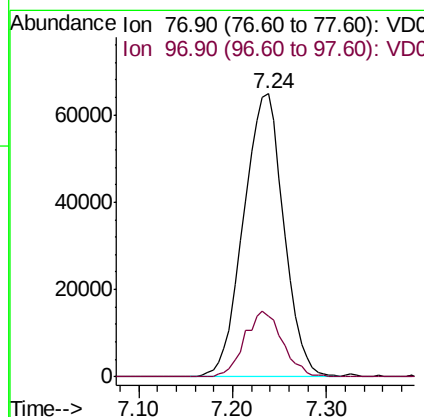
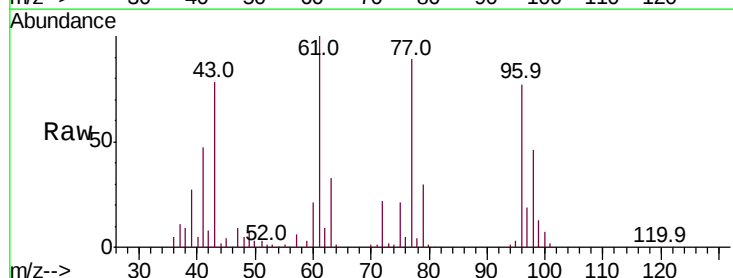
Acq: 25 Sep 2019 18:20

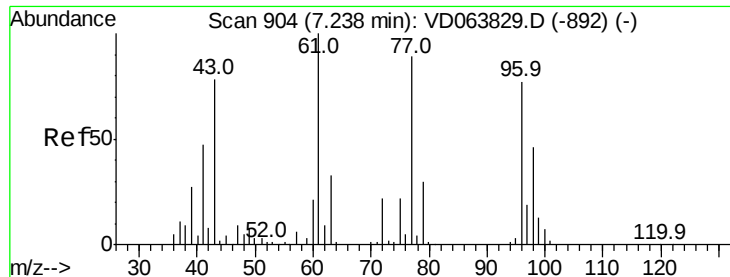
Tgt Ion: 77 Resp: 192267

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.7



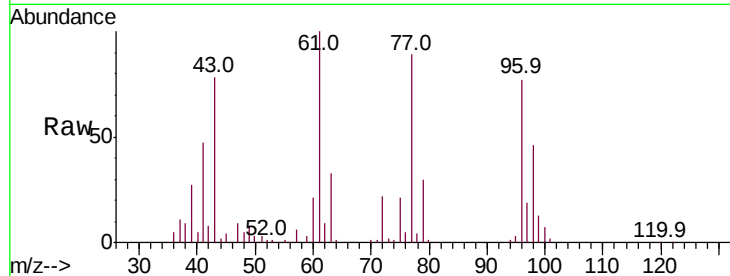


#27

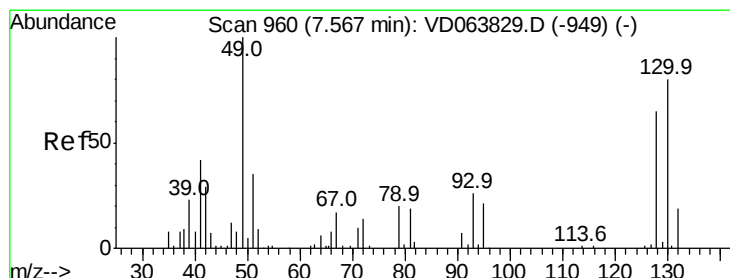
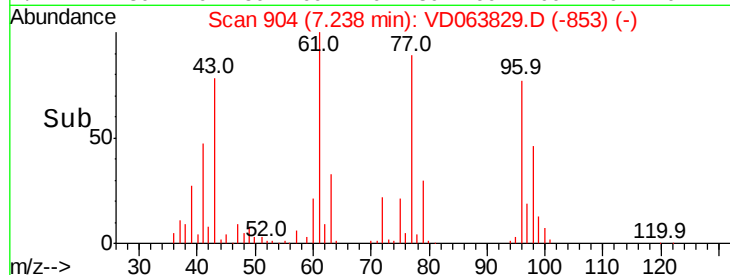
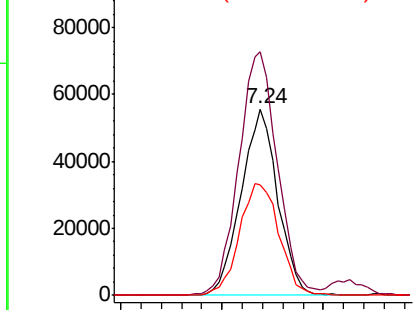
cis-1,2-Dichloroethene
Concen: 49.553 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 139394
Ion Ratio Lower Upper
96 100
61 137.8 0.0 275.6
98 65.1 0.0 130.2



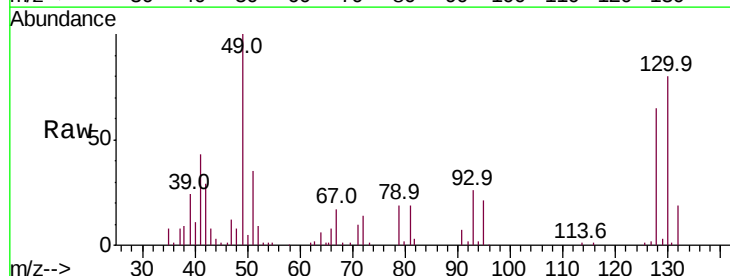
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



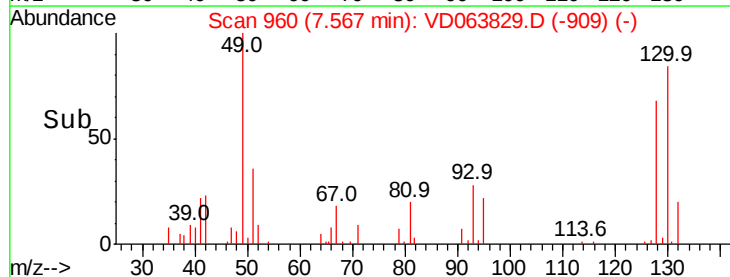
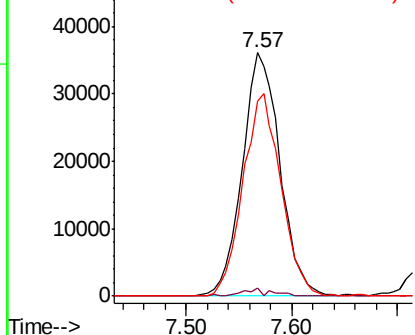
#28

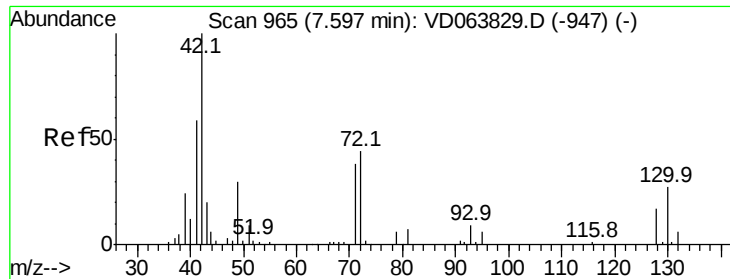
Bromochloromethane
Concen: 53.444 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 49 Resp: 89585
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.6
130 83.7 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: 235.593 ug/l

RT: 7.60 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

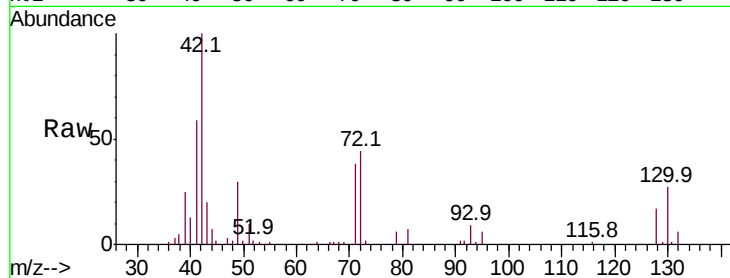
Tot Ion: 42 Resp: 98384

Ion Ratio Lower Upper

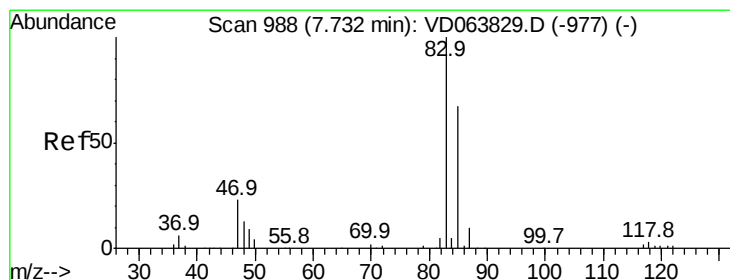
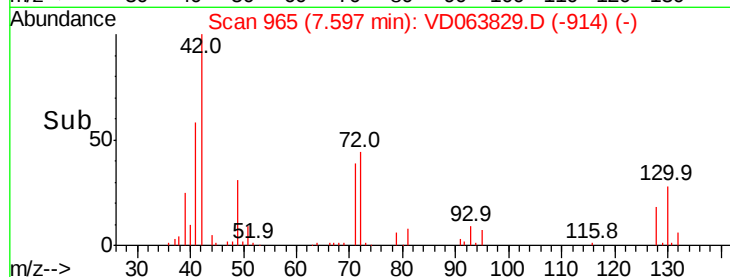
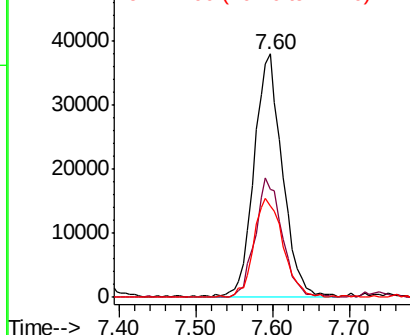
42 100

72 46.6 37.3 55.9

71 41.8 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: 48.018 ug/l

RT: 7.73 min Scan# 988

Delta R.T. 0.00 min

Lab File: VD063829.D

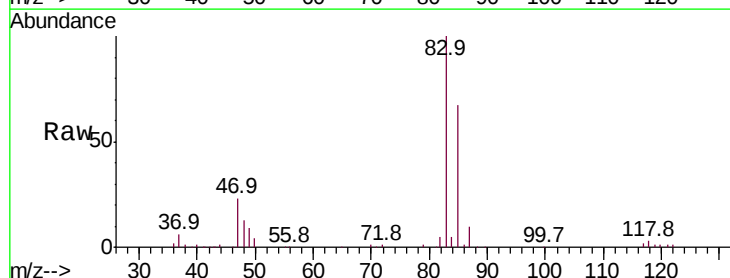
Acq: 25 Sep 2019 18:20

Tgt Ion: 83 Resp: 222798

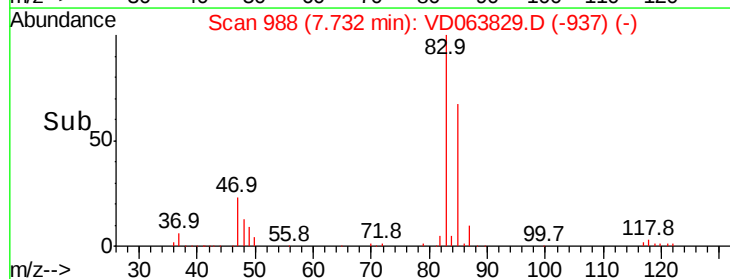
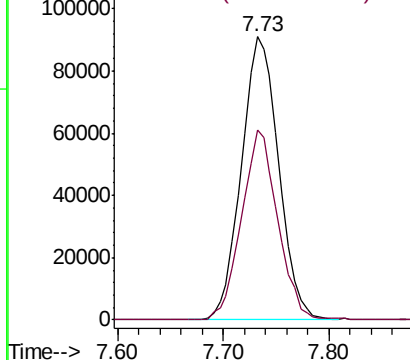
Ion Ratio Lower Upper

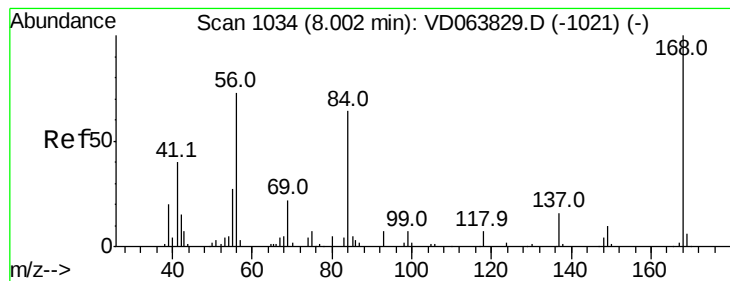
83 100

85 66.8 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: 46.400 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampled :

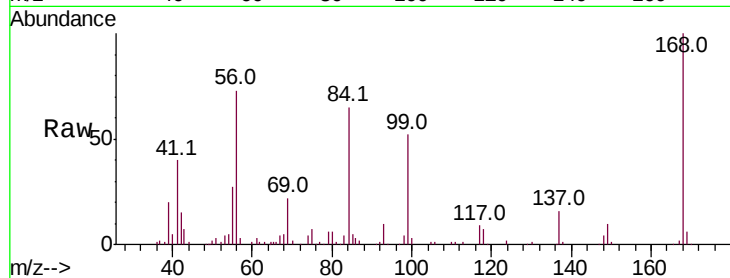
Tot Ion: 56 Resp: 197860

Ion Ratio Lower Upper

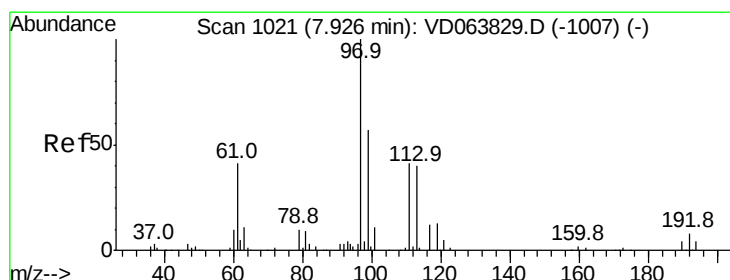
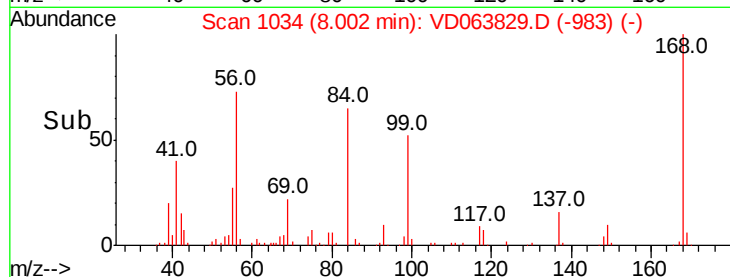
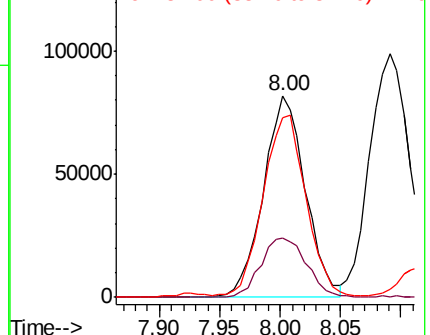
56 100

69 28.9 23.1 34.7

84 87.1 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: 47.008 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

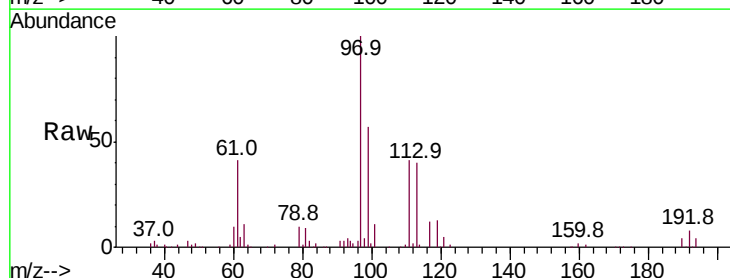
Tgt Ion: 97 Resp: 197221

Ion Ratio Lower Upper

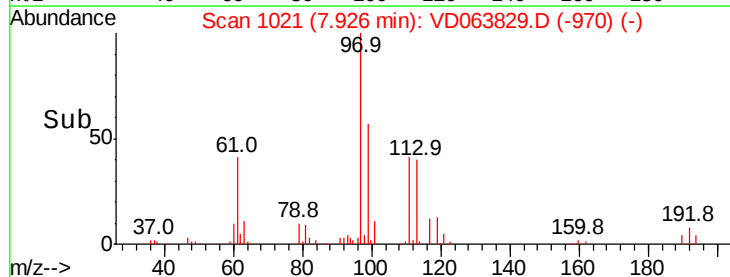
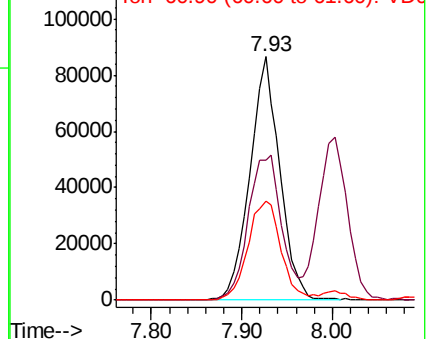
97 100

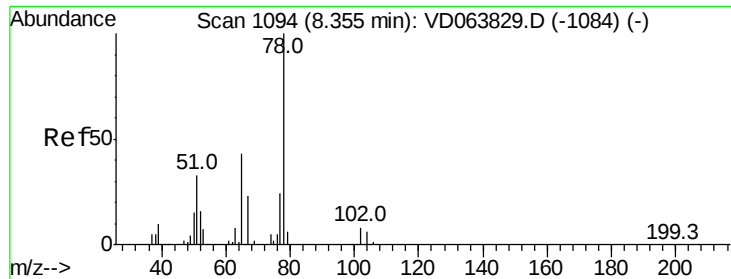
99 66.1 52.9 79.3

61 44.8 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

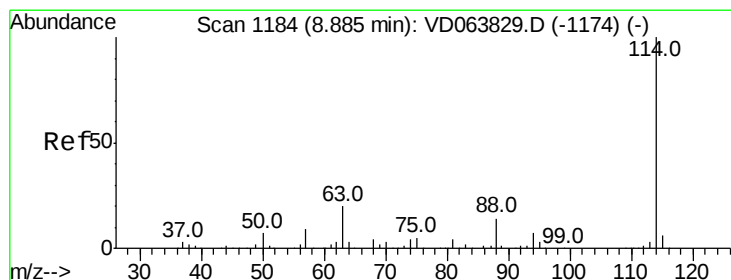
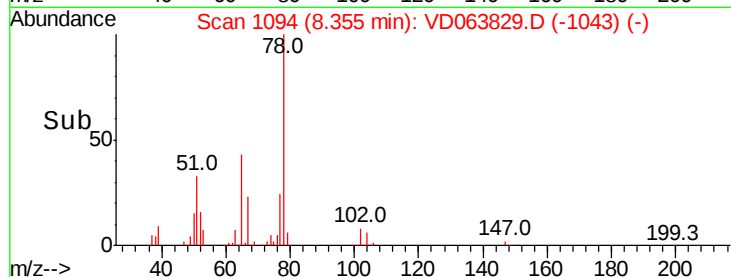
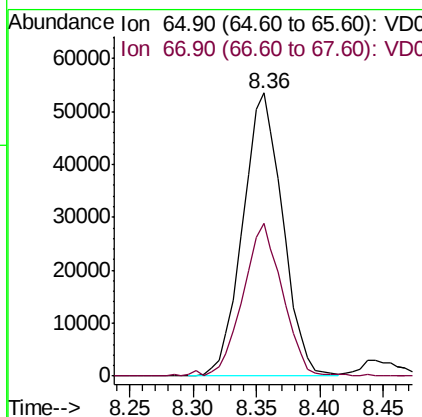
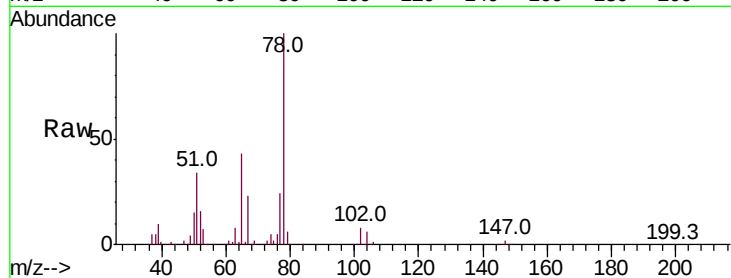




#33
 1,2-Dichloroethane-d4
 Concen: 49.343 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

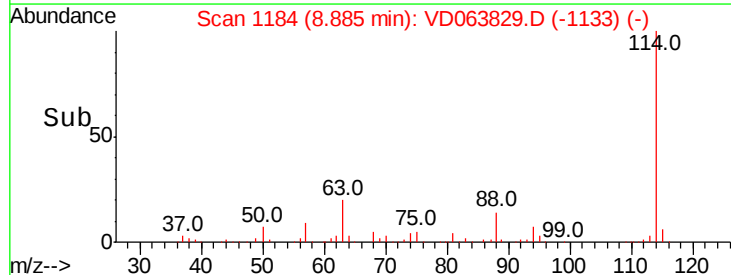
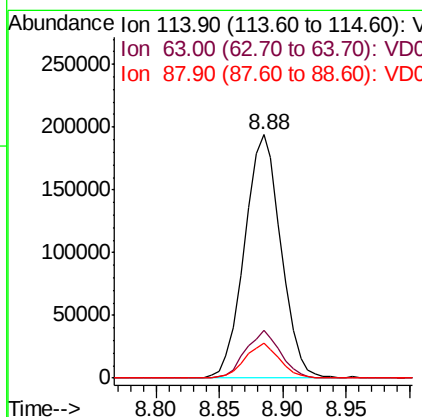
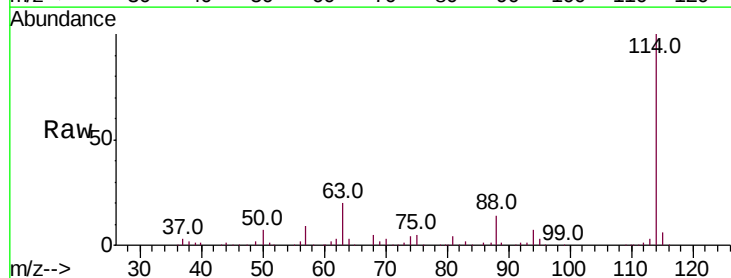
Instrument :
 MSVOA_D
 ClientSampleId :

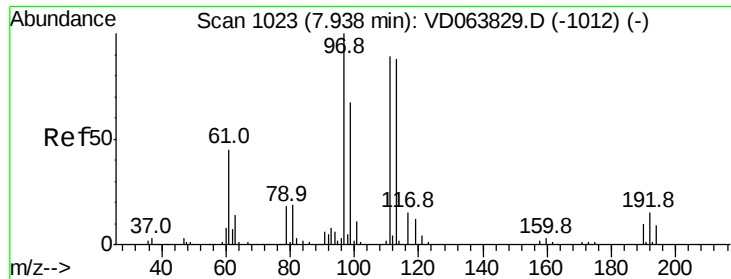
Tot Ion: 65 Resp: 117187
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.88 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion: 114 Resp: 387293
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 14.2 0.0 28.4

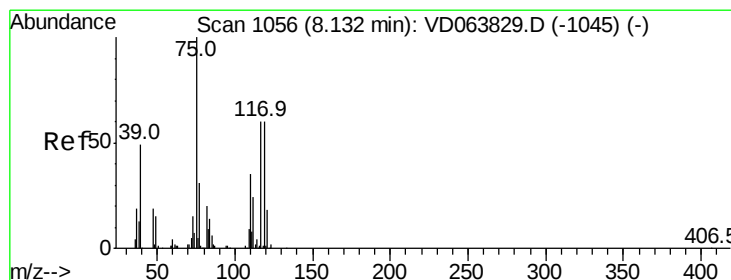
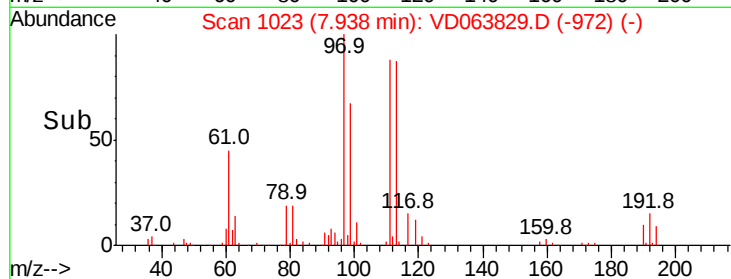
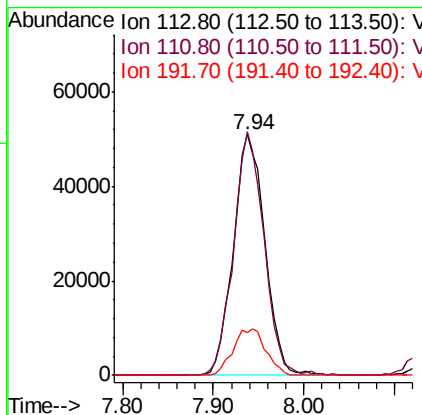
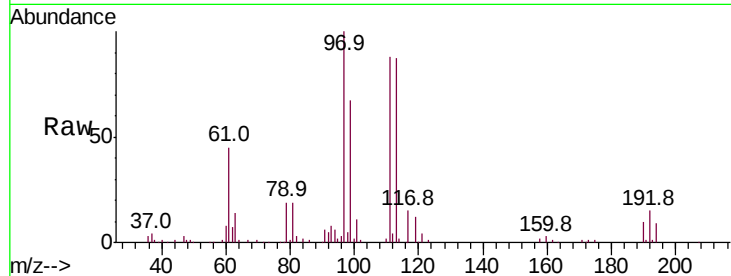




#35
 Dibromofluoromethane
 Concen: 50.101 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

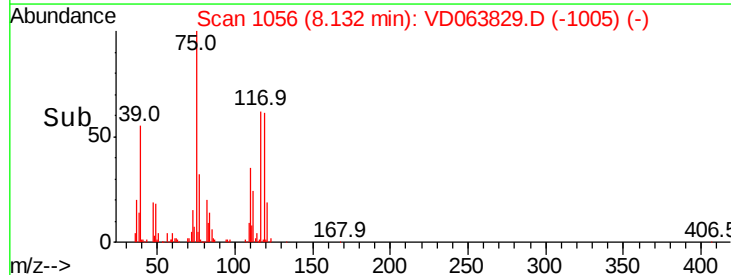
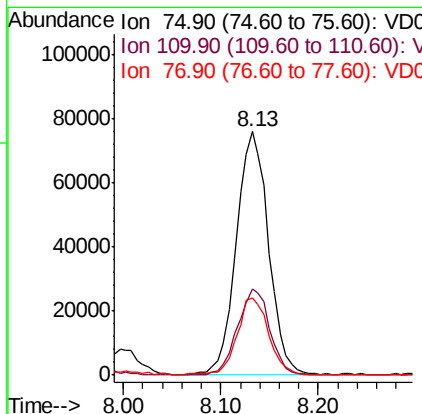
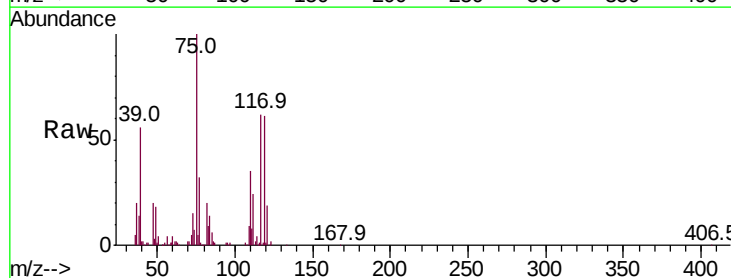
Instrument :
 MSVOA_D
 ClientSampleId :

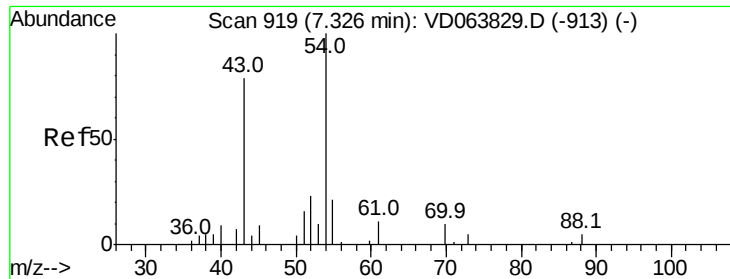
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.1	77.7	116.5
192	19.9	15.9	23.9



#36
 1,1-Dichloropropene
 Concen: 49.675 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.5	52.5
77	31.1	24.9	37.3

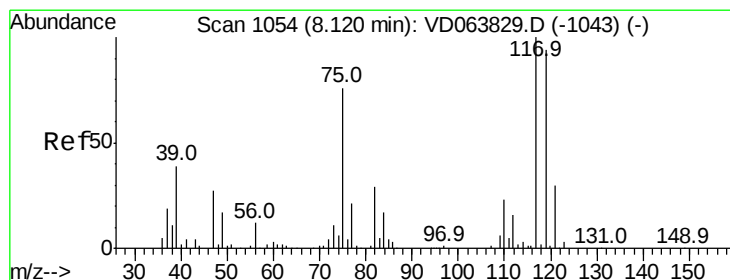
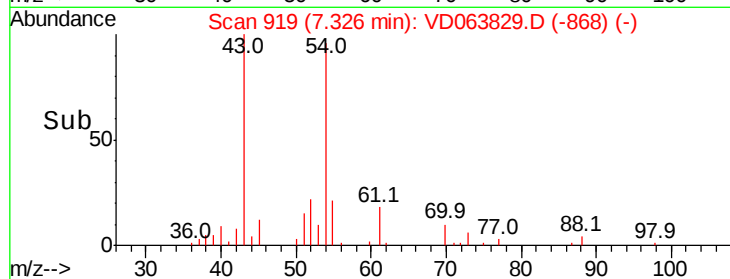
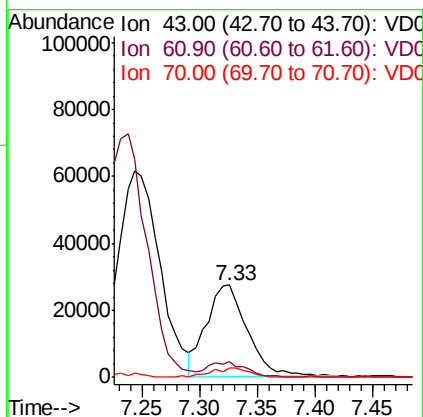
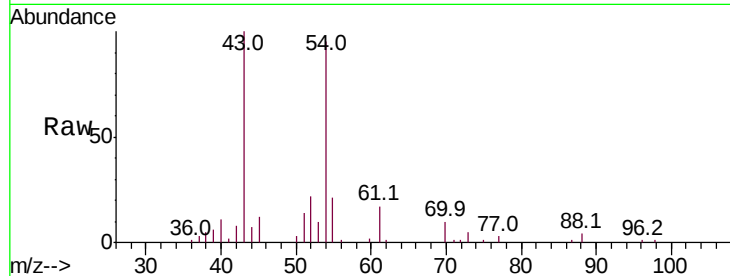




#37
Ethyl Acetate
Concen: 45.604 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

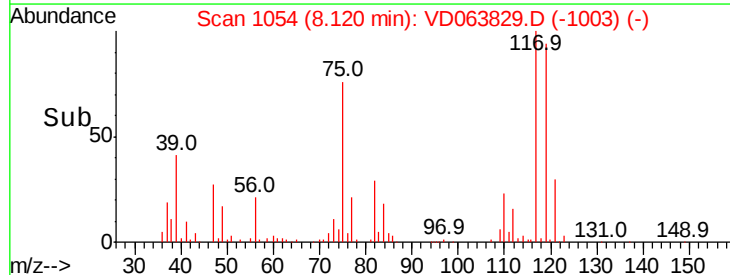
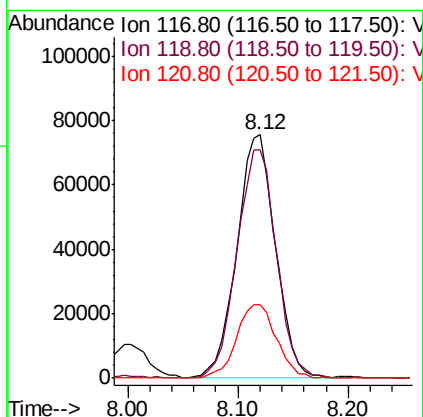
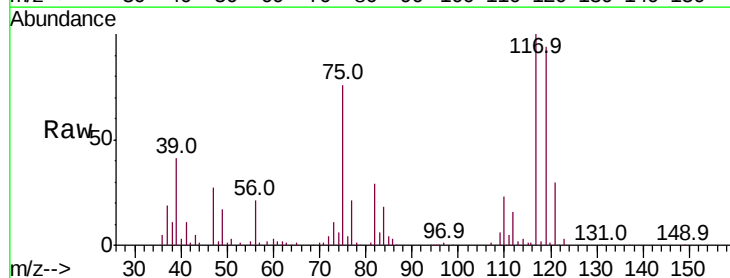
Instrument :
MSVOA_D
ClientSampleID :

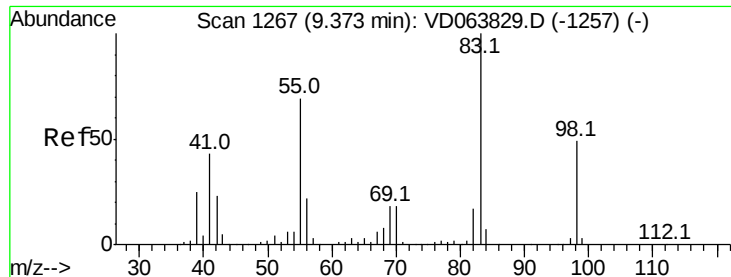
Tot Ion: 43 Resp: 67285
Ion Ratio Lower Upper
43 100
61 15.9 12.7 19.1
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 50.581 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 117 Resp: 185983
Ion Ratio Lower Upper
117 100
119 94.0 75.2 112.8
121 29.9 23.9 35.9

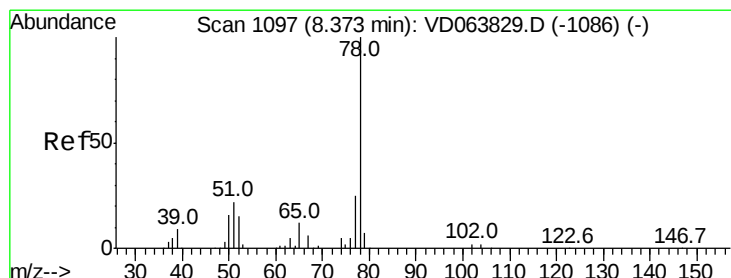
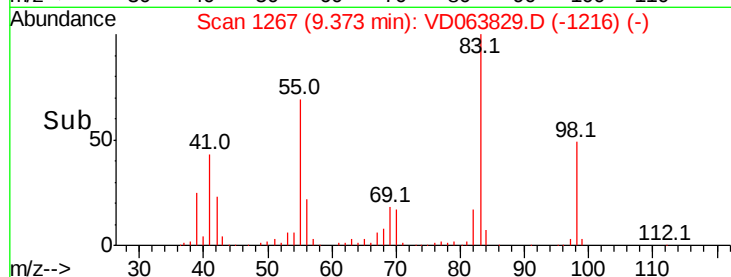
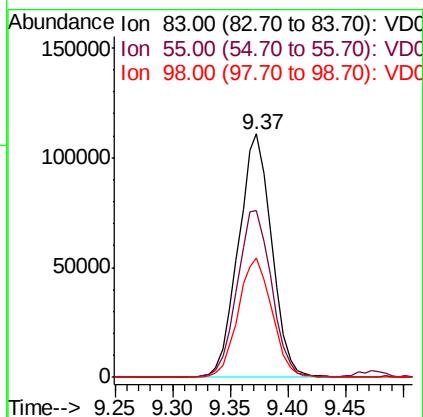
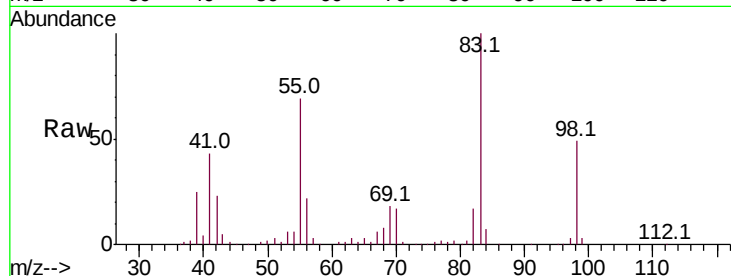




#39
Methvlcvclohexane
Concen: 50.533 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

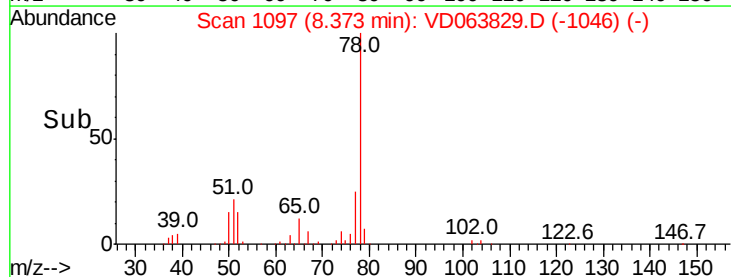
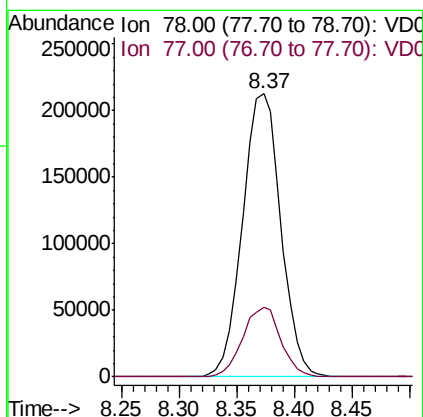
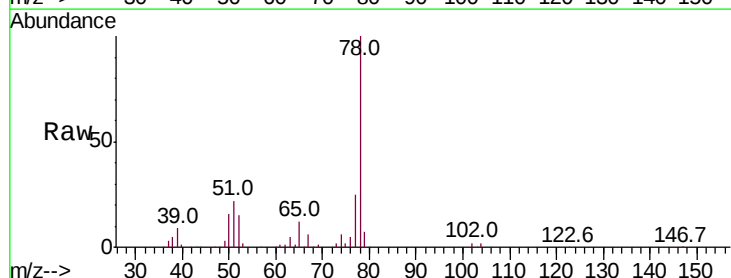
Instrument :
MSVOA_D
ClientSampled :

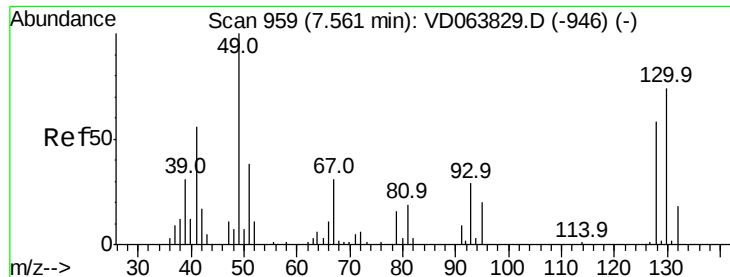
Tot Ion: 83 Resp: 222285
Ion Ratio Lower Upper
83 100
55 68.6 54.9 82.3
98 48.8 39.0 58.6



#40
Benzene
Concen: 50.533 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 78 Resp: 491640
Ion Ratio Lower Upper
78 100
77 24.7 19.8 29.6

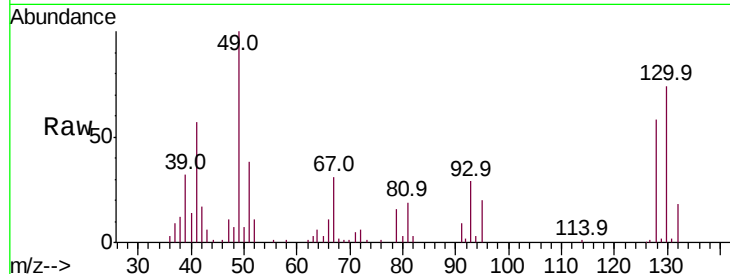




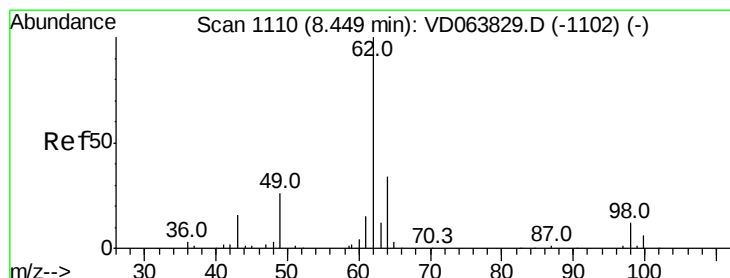
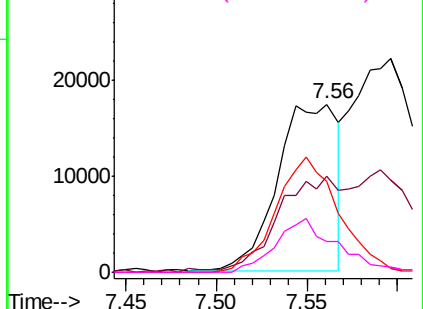
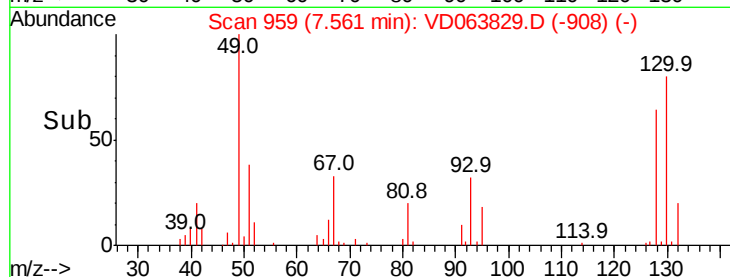
#41
Methacrylonitrile
Concen: 46.075 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 40148
Ion Ratio Lower Upper
41 100
39 65.3 52.2 78.4
67 73.2 58.6 87.8
52 33.2 26.6 39.8

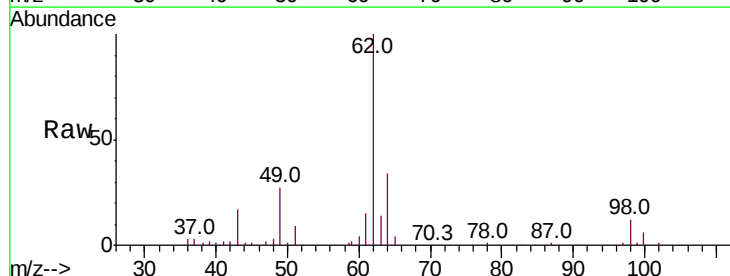


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

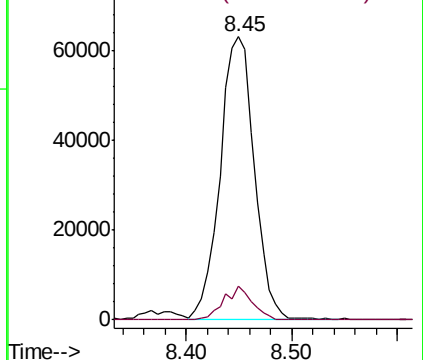
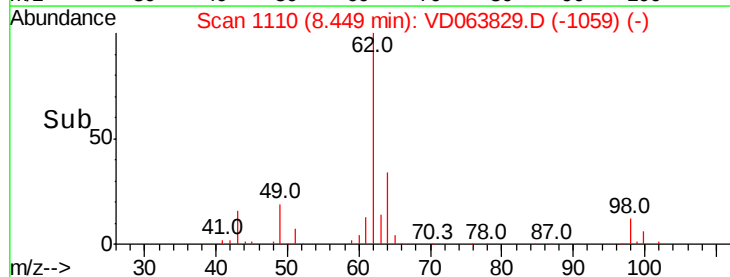


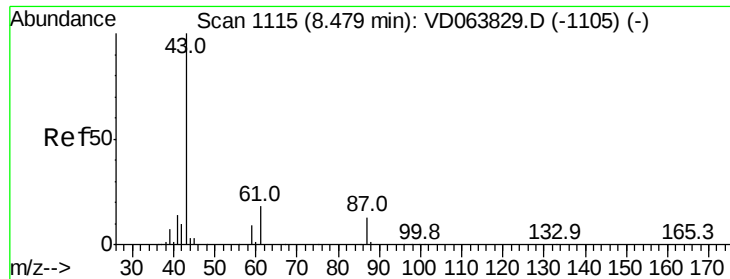
#42
1,2-Dichloroethane
Concen: 49.847 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 62 Resp: 141813
Ion Ratio Lower Upper
62 100
98 9.8 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: 47.811 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

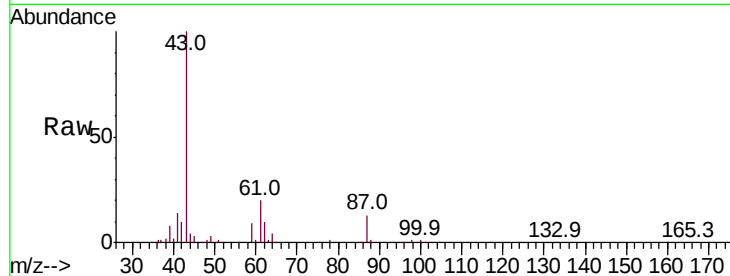
Tot Ion: 43 Resp: 141415

Ion Ratio Lower Upper

43 100

61 30.8 24.6 37.0

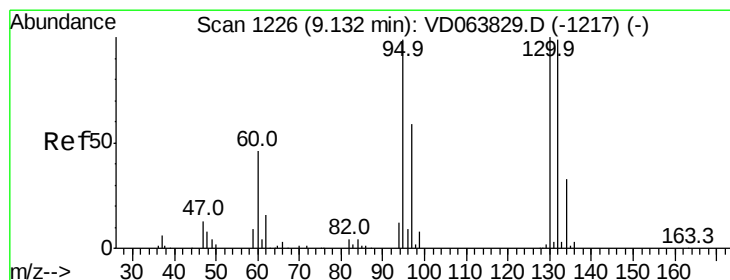
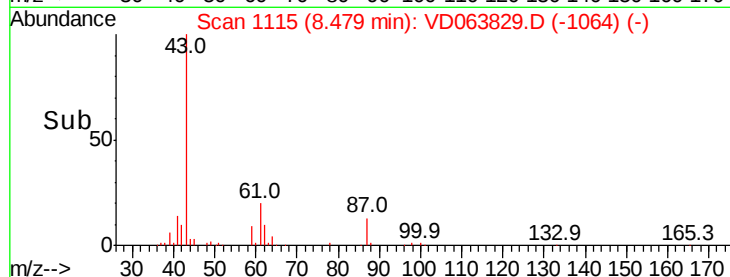
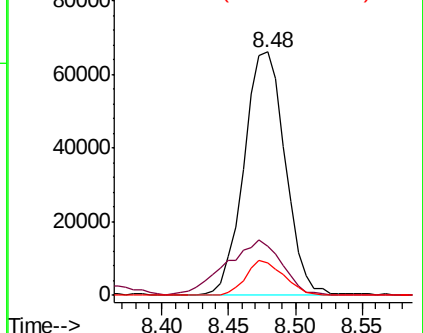
87 13.1 10.5 15.7



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: 50.385 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VD063829.D

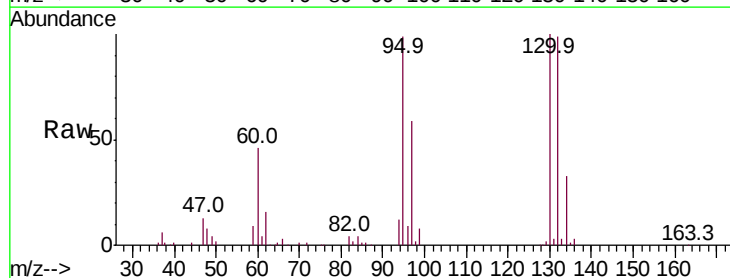
Acq: 25 Sep 2019 18:20

Tgt Ion:130 Resp: 141960

Ion Ratio Lower Upper

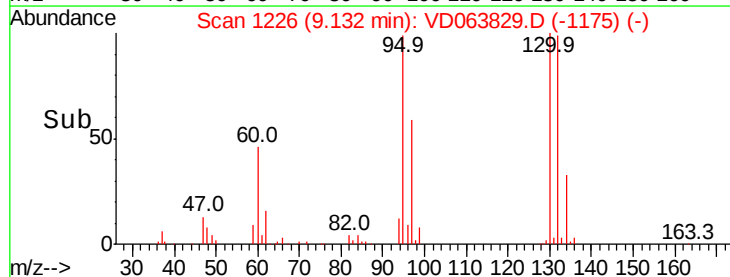
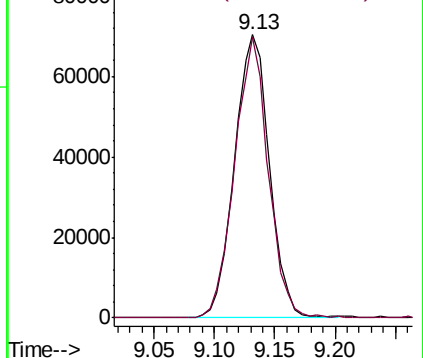
130 100

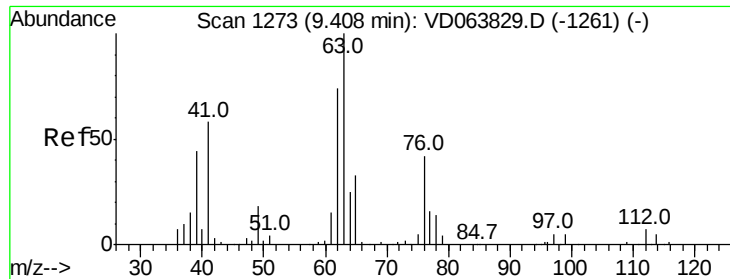
95 99.3 0.0 198.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.471 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

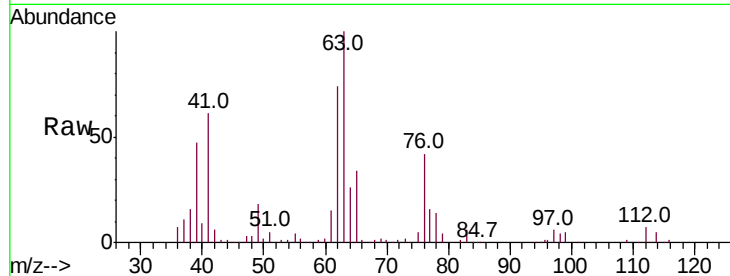
ClientSampled :

Tot Ion: 63 Resp: 118894

Ion Ratio Lower Upper

63 100

65 33.5 26.8 40.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.41

60000

50000

40000

30000

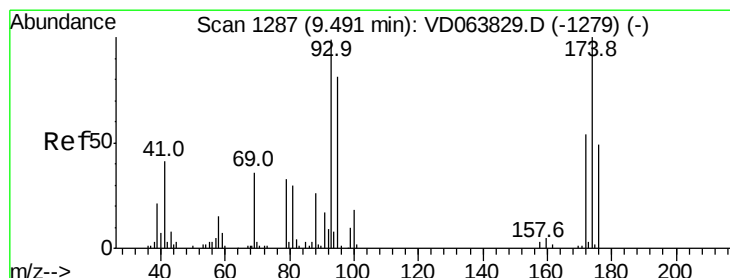
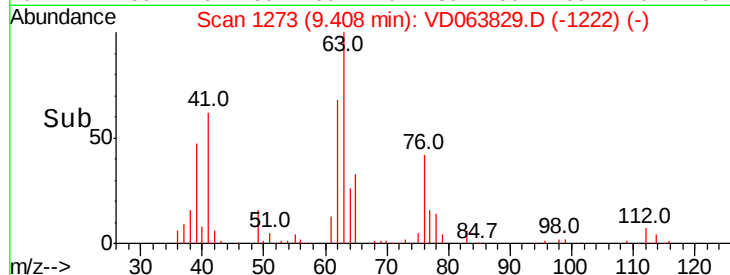
20000

10000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#46

Dibromomethane

Concen: 50.446 ug/l

RT: 9.49 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

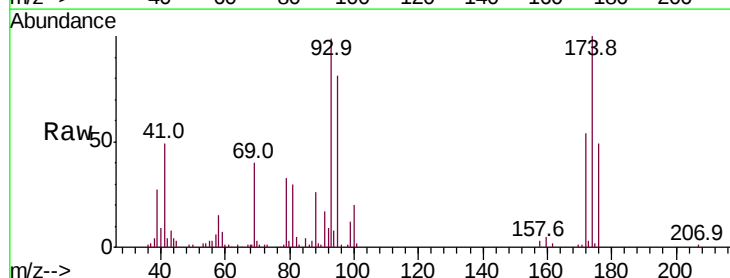
Tgt Ion: 93 Resp: 68428

Ion Ratio Lower Upper

93 100

95 79.8 63.8 95.8

174 105.2 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

50000

40000

30000

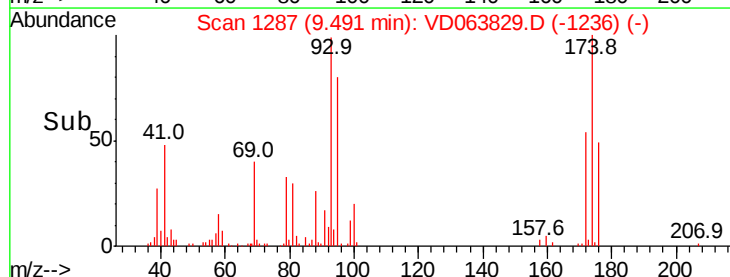
20000

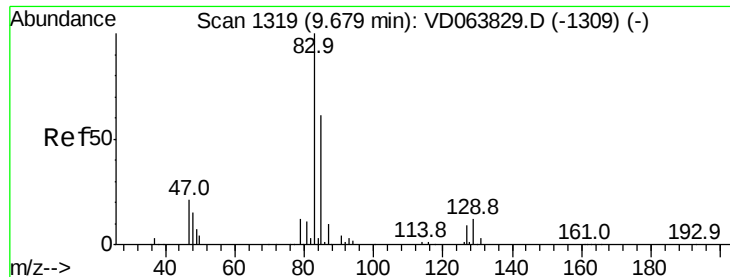
10000

0

9.40 9.45 9.50 9.55 9.60

Time-->





#47

Bromodichloromethane

Concen: 50.543 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

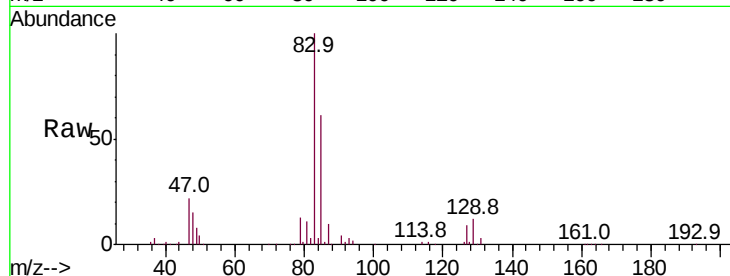
Tot Ion: 83 Resp: 176738

Ion Ratio Lower Upper

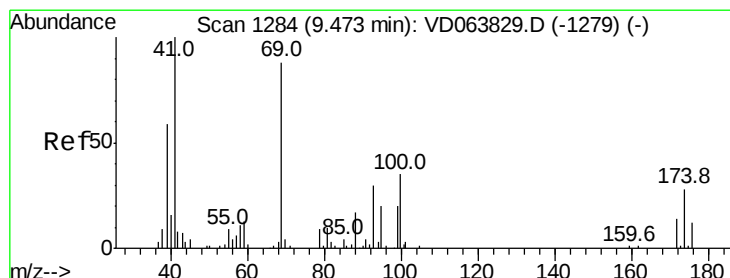
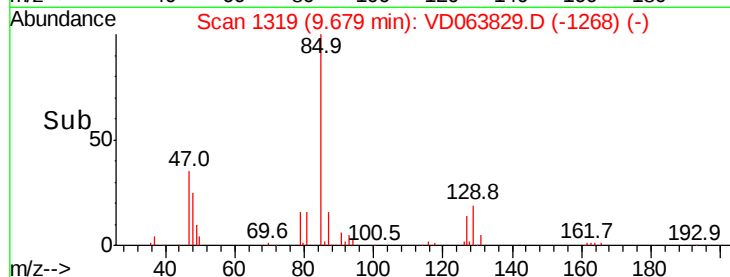
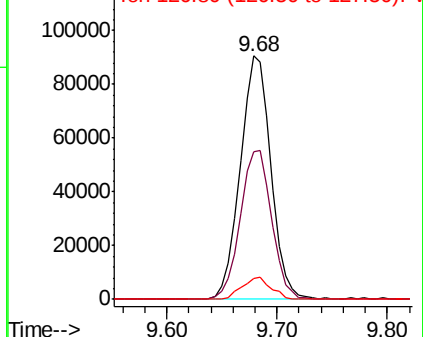
83 100

85 60.8 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: 47.684 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

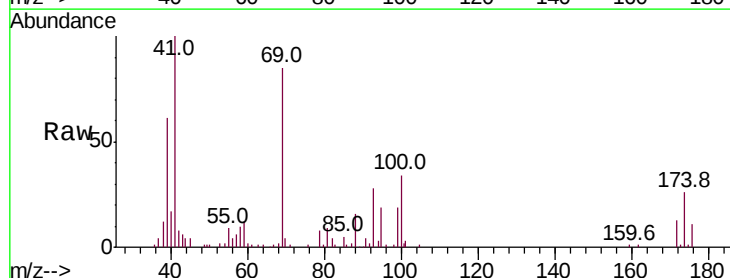
Tgt Ion: 41 Resp: 64148

Ion Ratio Lower Upper

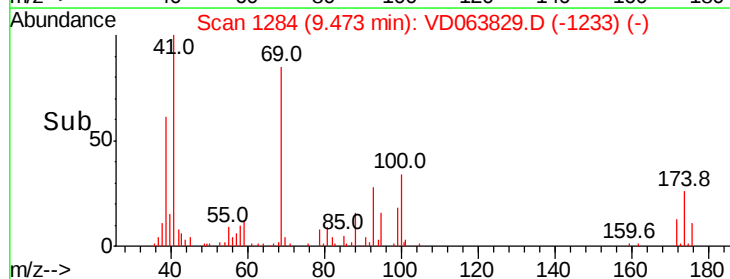
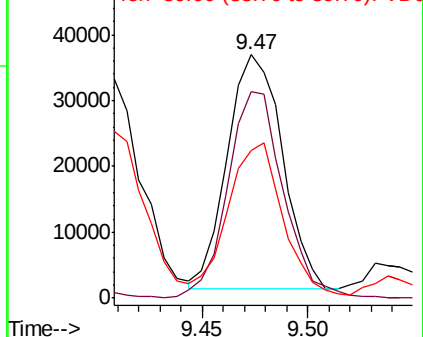
41 100

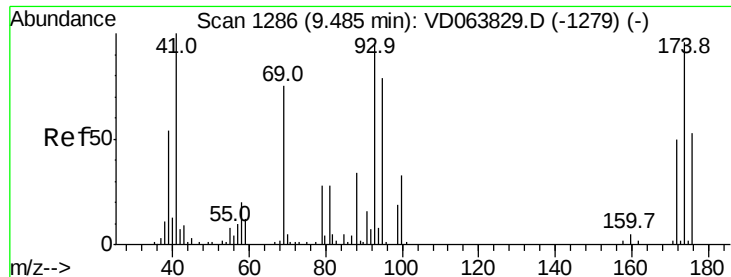
69 89.6 71.7 107.5

39 64.6 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: 927.642 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

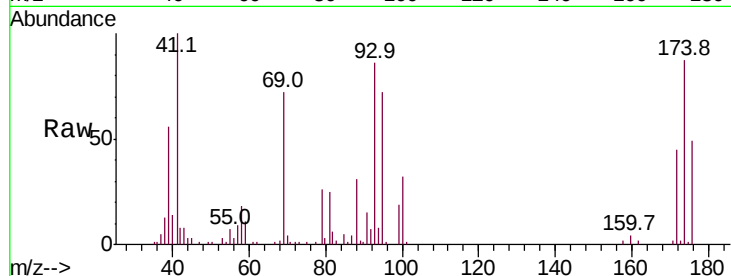
Tot Ion: 88 Resp: 17554

Ion Ratio Lower Upper

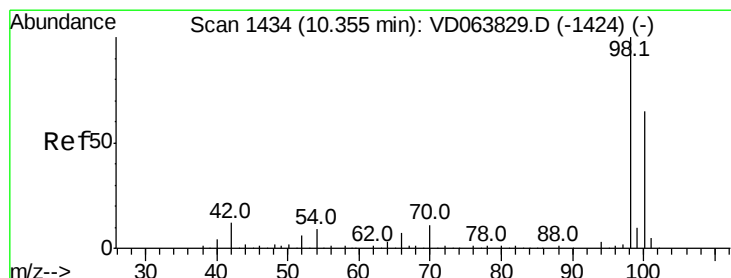
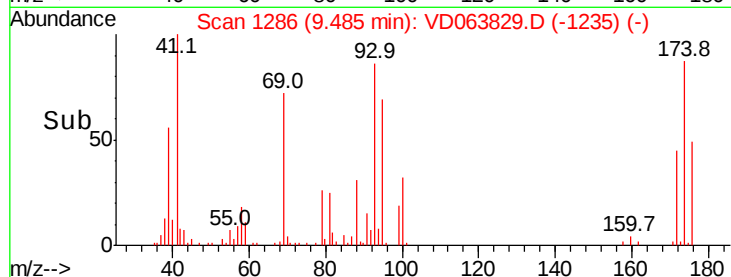
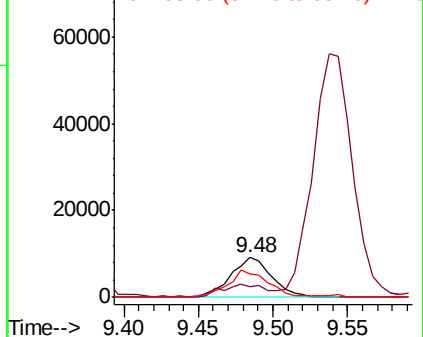
88 100

43 32.2 25.8 38.6

58 69.9 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: 52.236 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VD063829.D

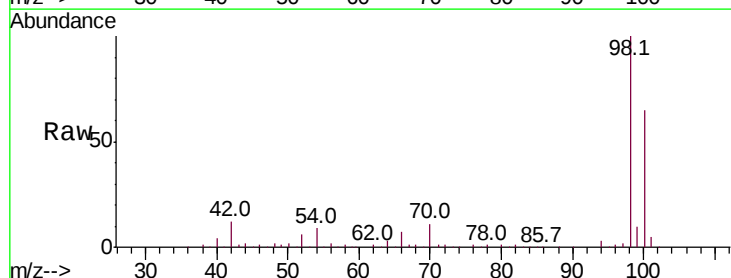
Acq: 25 Sep 2019 18:20

Tgt Ion: 98 Resp: 483427

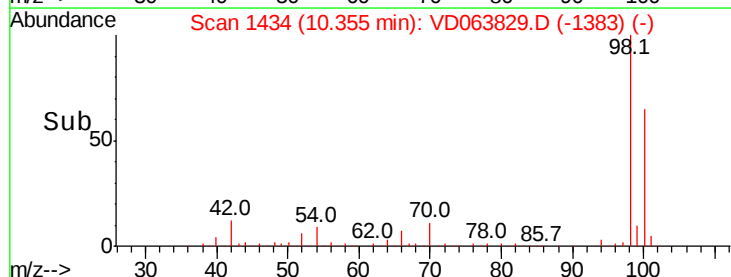
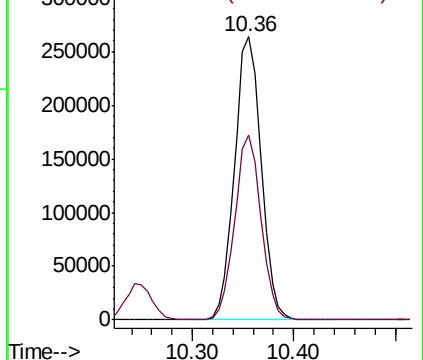
Ion Ratio Lower Upper

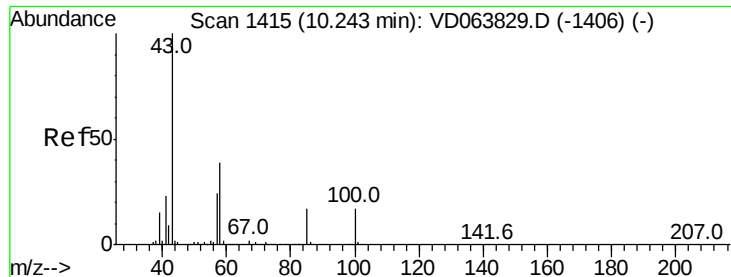
98 100

100 64.5 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: 238.443 ug/l

RT: 10.24 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

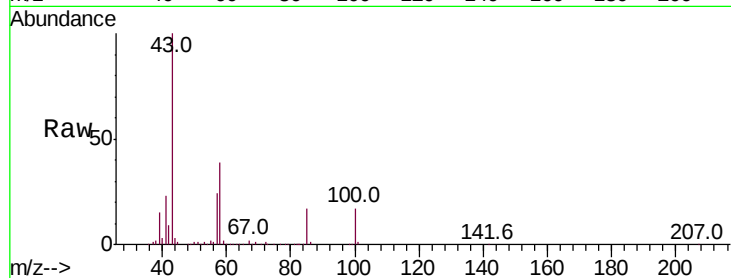
ClientSampled :

Tot Ion: 43 Resp: 355296

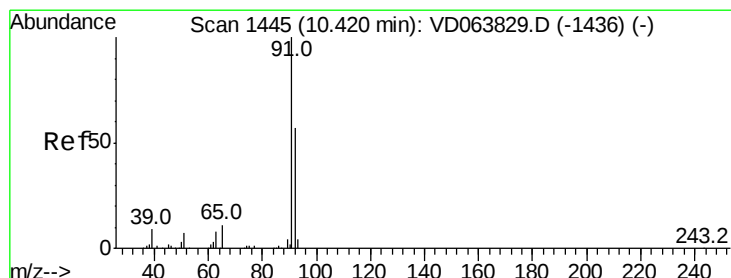
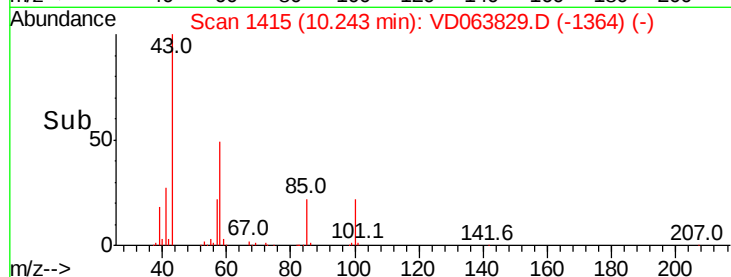
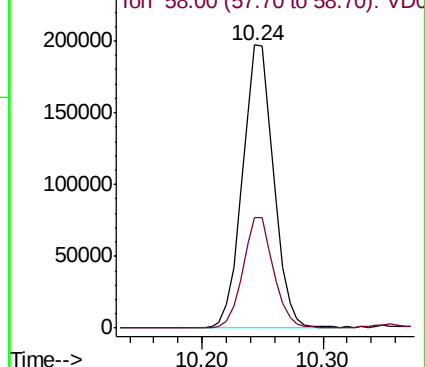
Ion Ratio Lower Upper

43 100

58 38.6 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 50.715 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063829.D

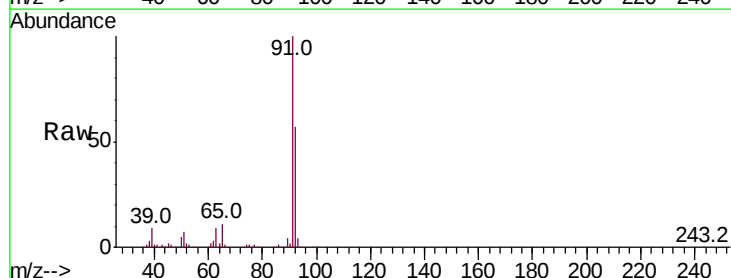
Acq: 25 Sep 2019 18:20

Tgt Ion: 92 Resp: 334553

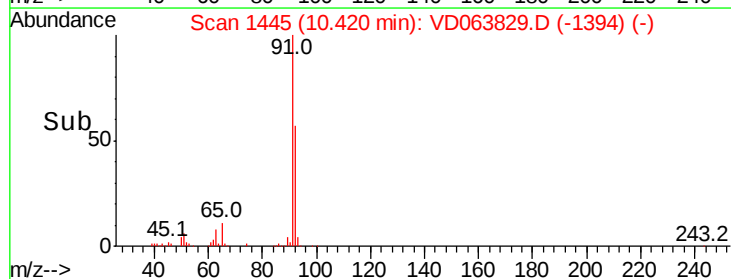
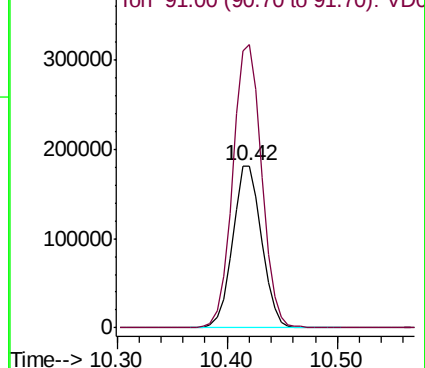
Ion Ratio Lower Upper

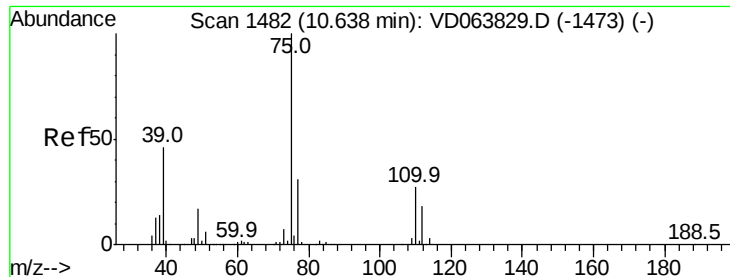
92 100

91 174.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.226 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

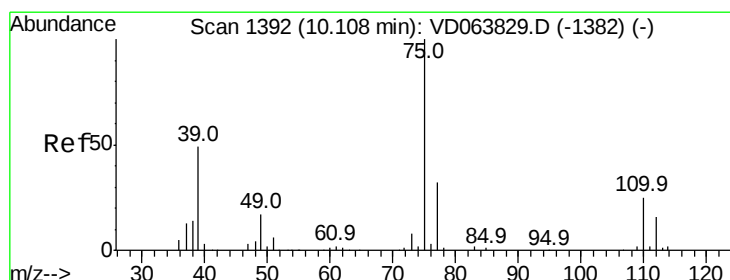
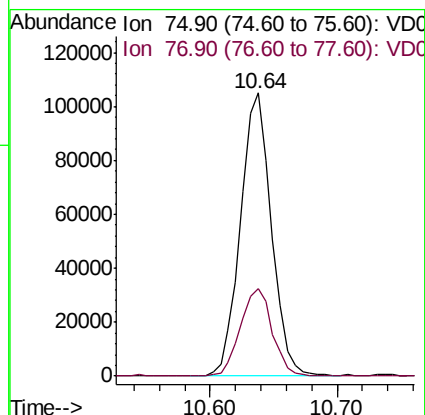
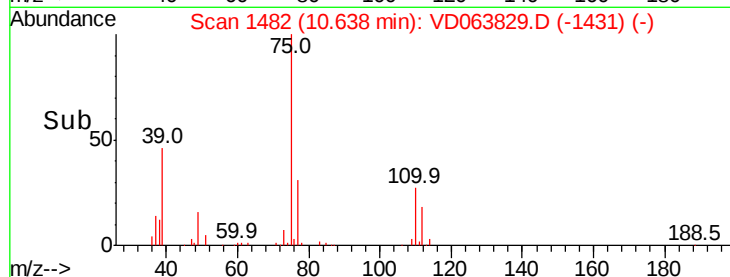
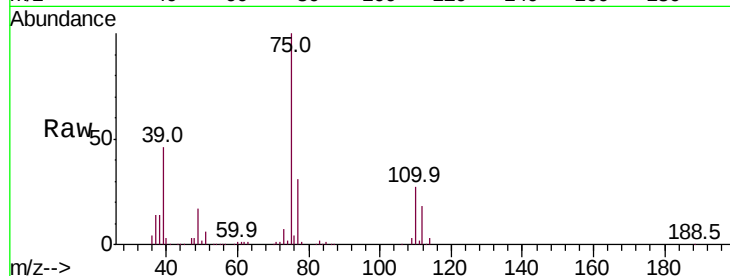
ClientSampleId :

Tot Ion: 75 Resp: 177552

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 51.165 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

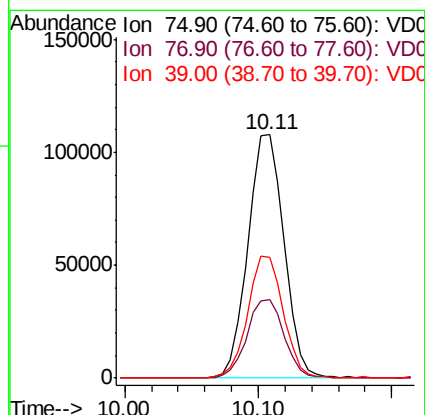
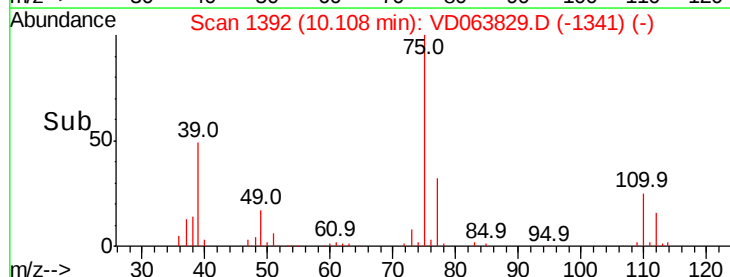
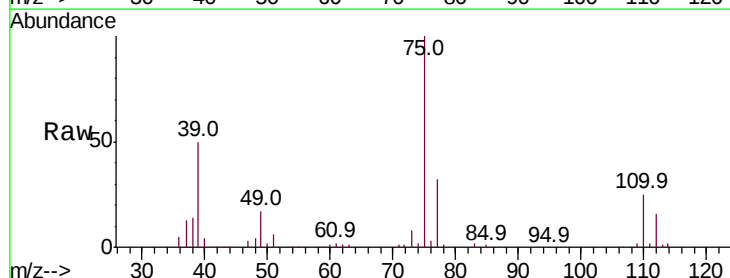
Tgt Ion: 75 Resp: 201306

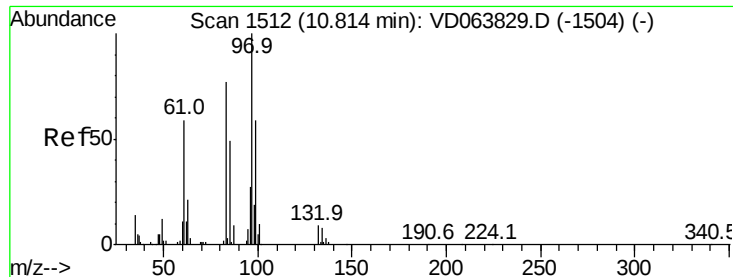
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 49.4 39.5 59.3

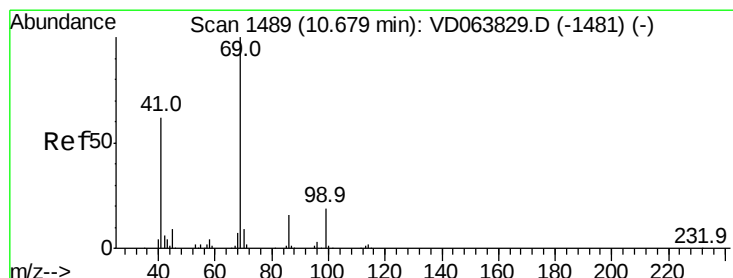
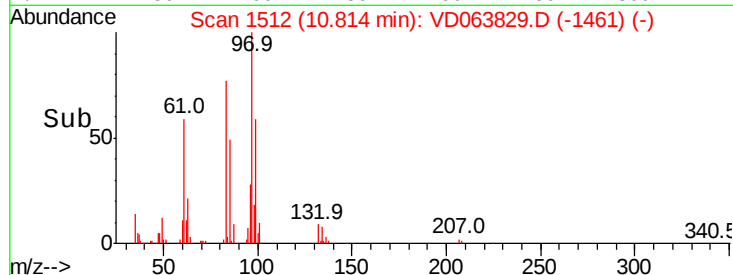
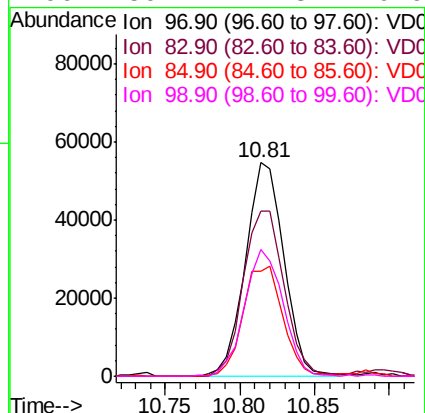
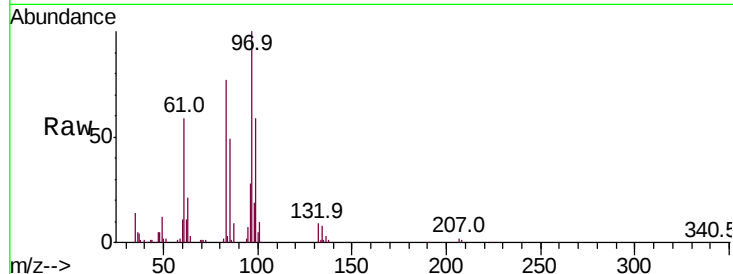




#55
 1,1,2-Trichloroethane
 Concen: 50.895 ug/l
 RT: 10.81 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

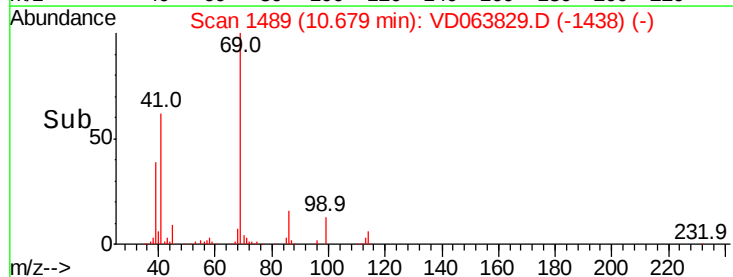
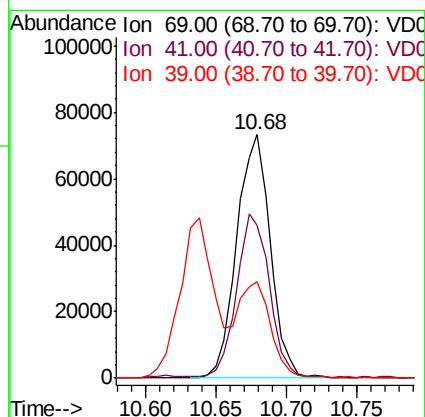
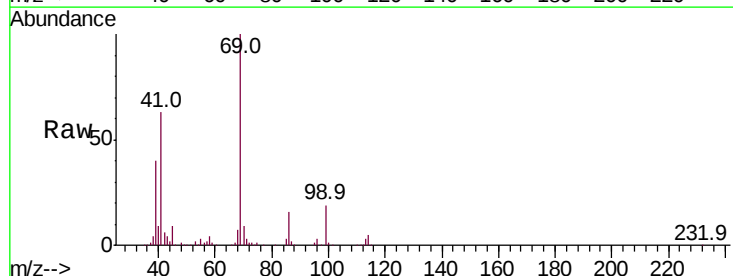
Instrument :
 MSVOA_D
 ClientSampleId :

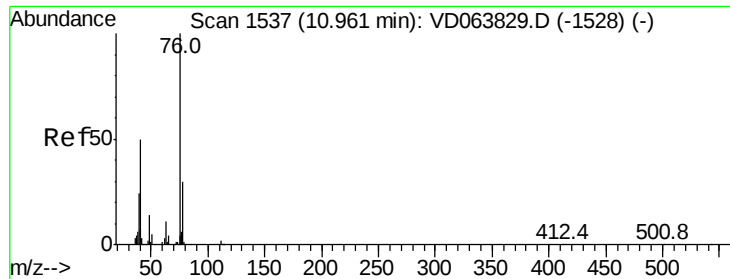
Tot Ion:	97	Resp:	97551
Ion	Ratio	Lower	Upper
97	100		
83	77.4	61.9	92.9
85	49.3	39.4	59.2
99	59.1	47.3	70.9



#56
 Ethyl methacrylate
 Concen: 50.098 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion:	69	Resp:	122045
Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.2	78.4
39	35.9	28.7	43.1





#57

1,3-Dichloropropane

Concen: 49.503 ug/l

RT: 10.96 min Scan# 1537

Delta R.T. 0.00 min

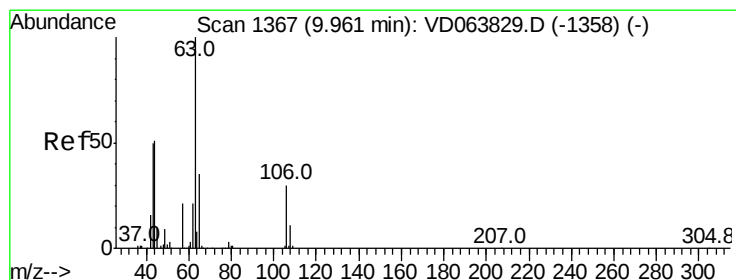
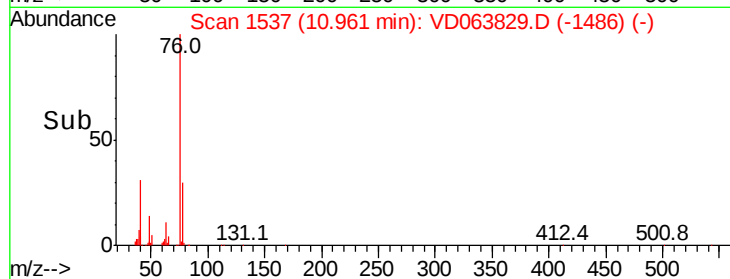
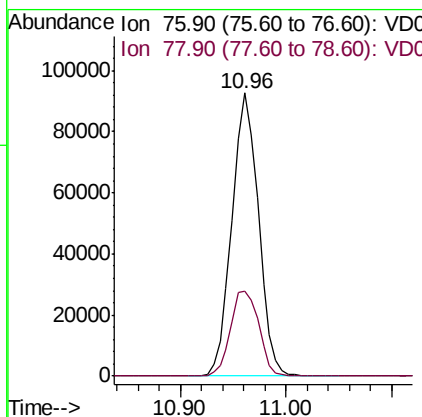
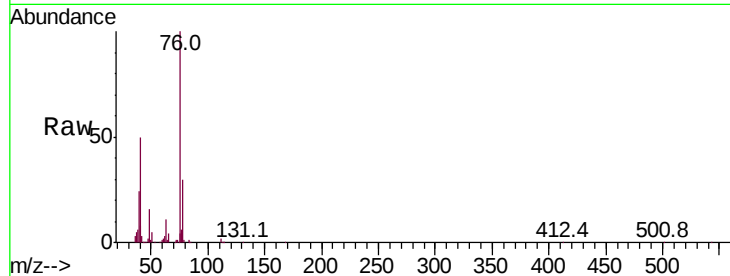
Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 161219

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5



#58

2-Chloroethyl Vinyl ether

Concen: 244.414 ug/l

RT: 9.96 min Scan# 1367

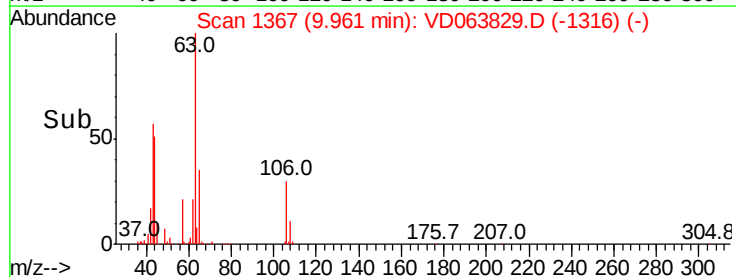
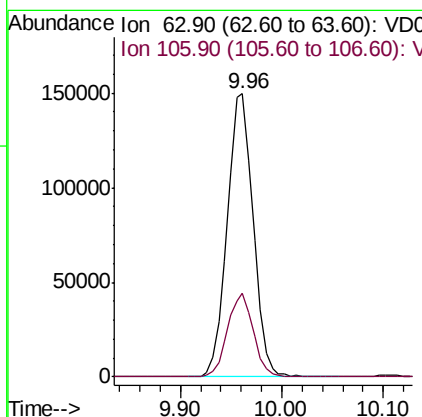
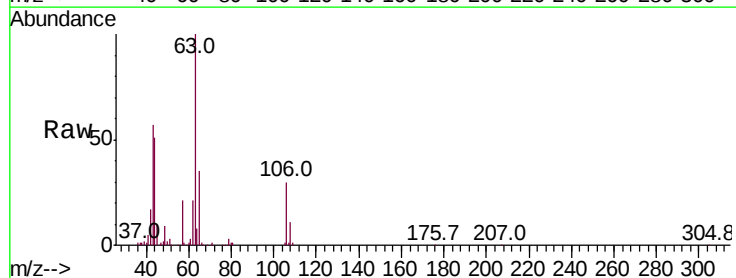
Delta R.T. 0.00 min

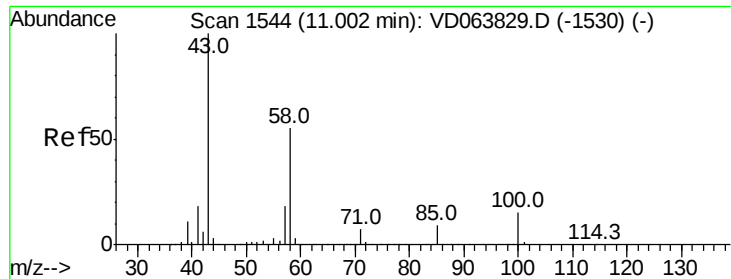
Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion: 63 Resp: 266126

Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.4	35.0





#59

2-Hexanone

Concen: 237.047 ug/l

RT: 11.00 min Scan# 1544

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

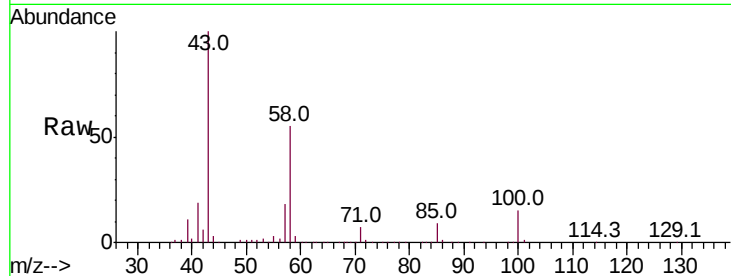
ClientSampleId :

Tot Ion: 43 Resp: 252021

Ion Ratio Lower Upper

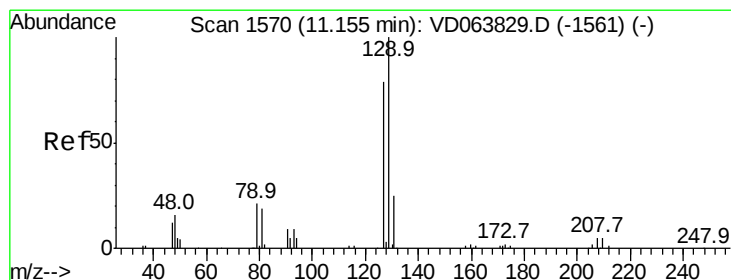
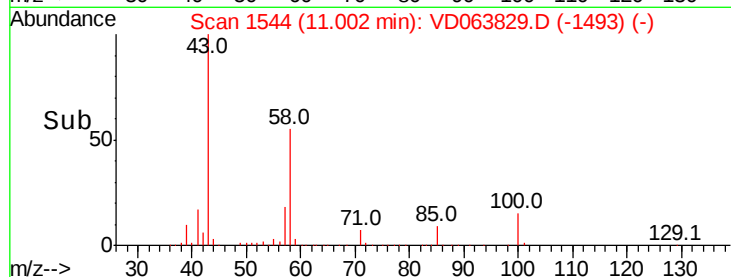
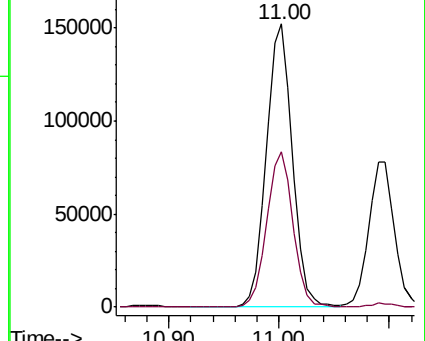
43 100

58 55.1 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 50.572 ug/l

RT: 11.16 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VD063829.D

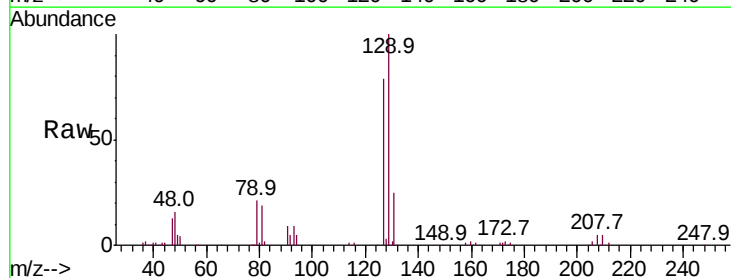
Acq: 25 Sep 2019 18:20

Tgt Ion:129 Resp: 127919

Ion Ratio Lower Upper

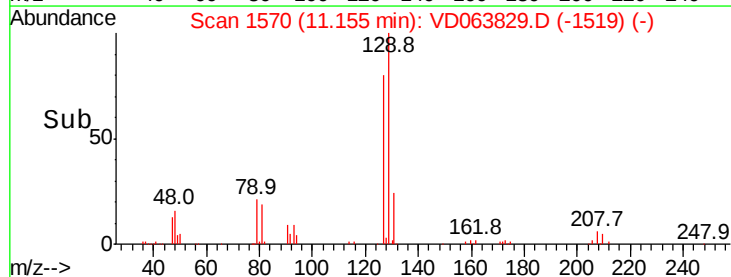
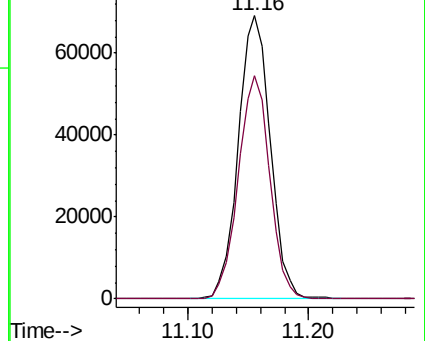
129 100

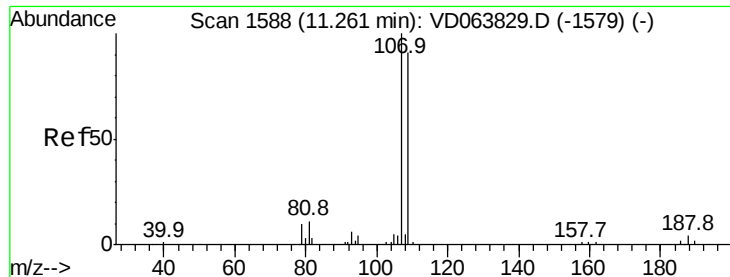
127 77.5 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

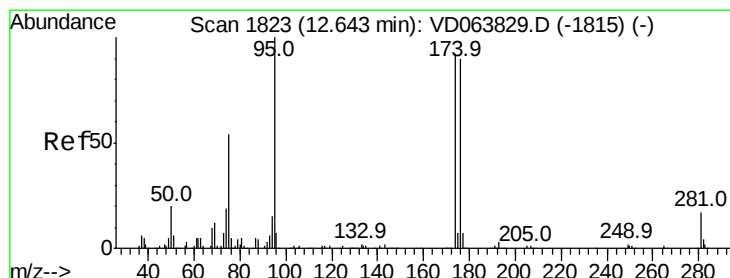
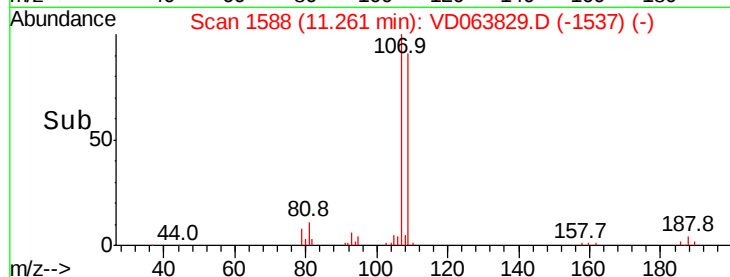
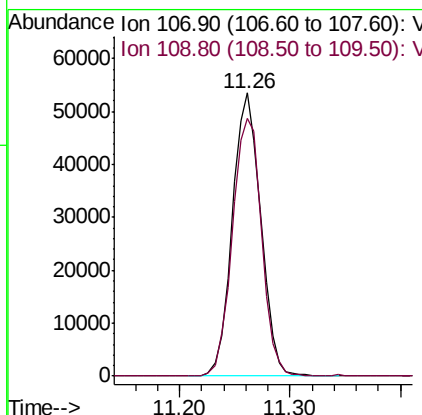
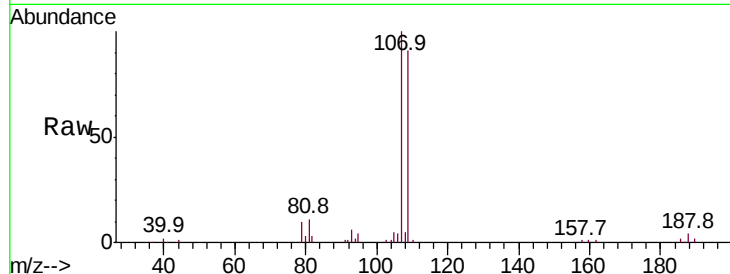




#61
 1,2-Dibromoethane
 Concen: 50.504 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

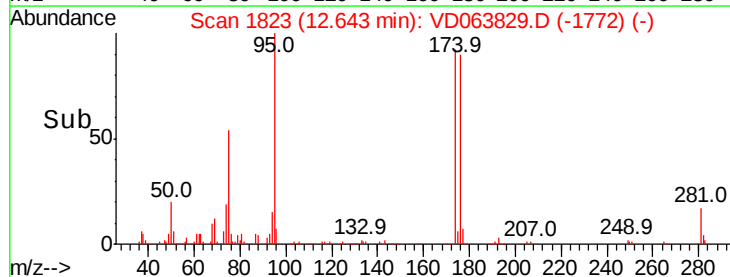
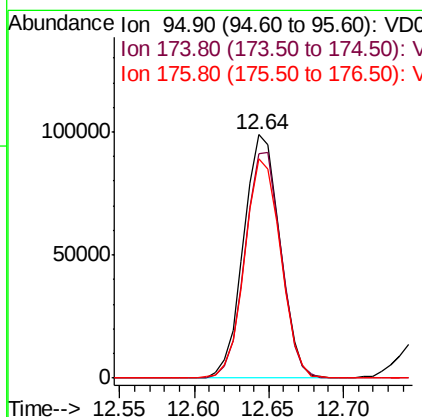
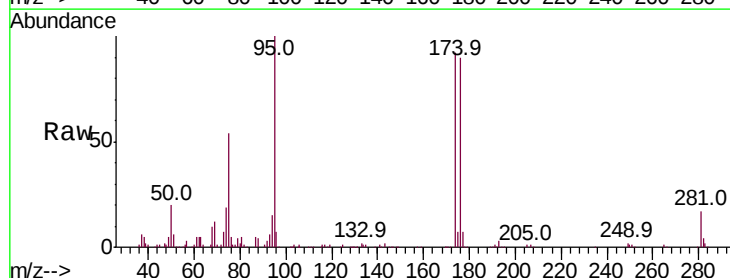
Instrument :
 MSVOA_D
 ClientSampleId :

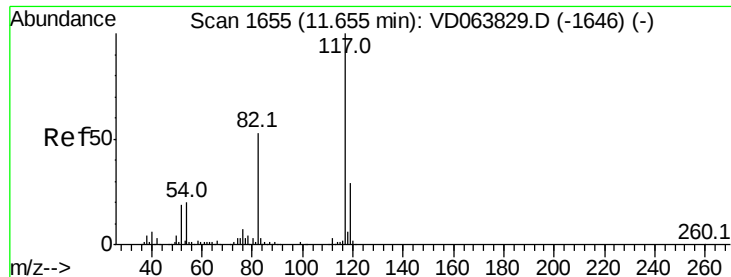
Tot Ion: 107 Resp: 96771
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 50.328 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion: 95 Resp: 167149
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 183.2
 176 88.7 0.0 177.4

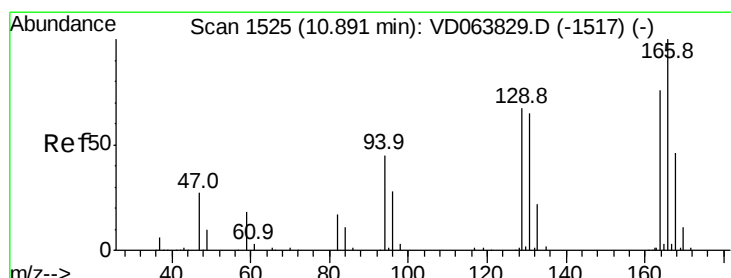
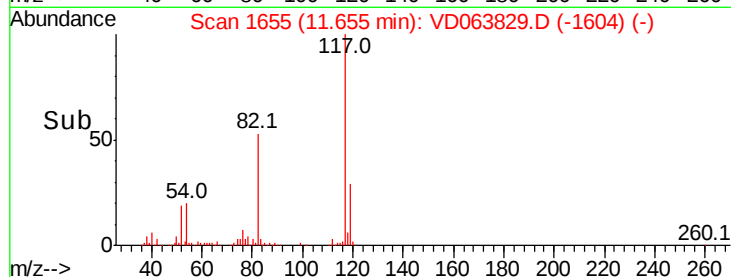
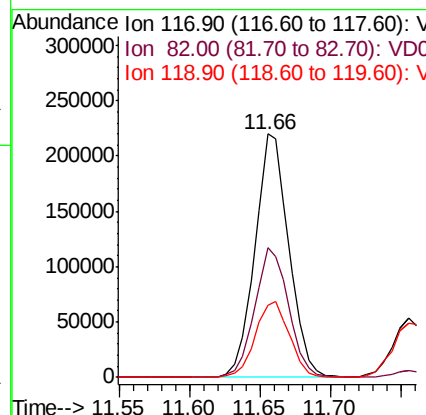
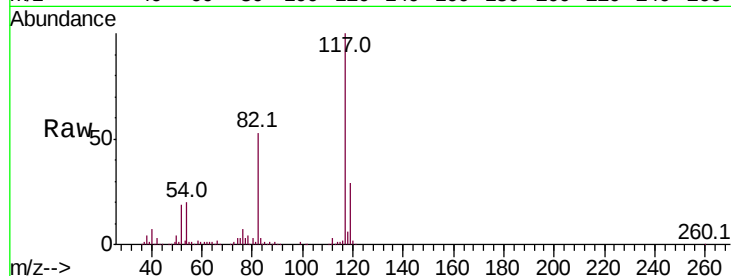




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

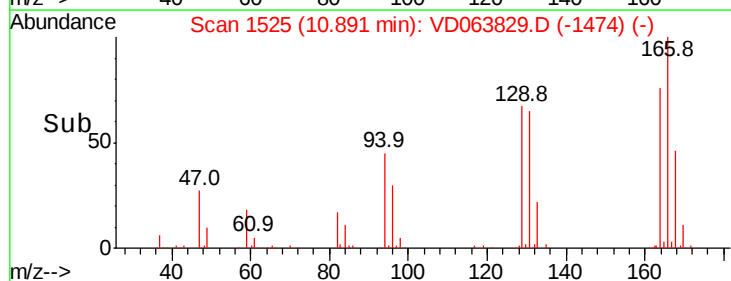
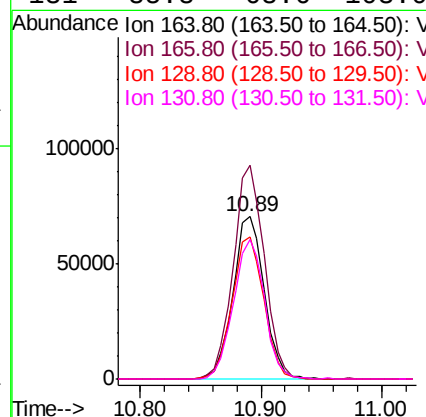
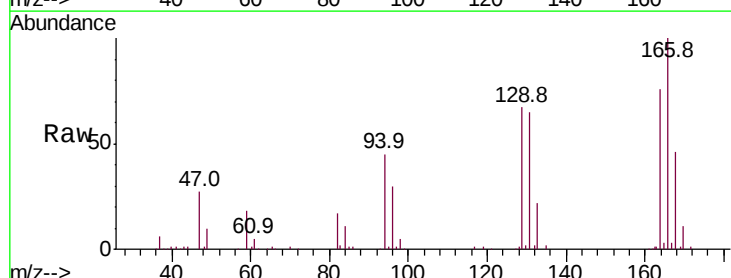
Instrument :
MSVOA_D
ClientSampleId :

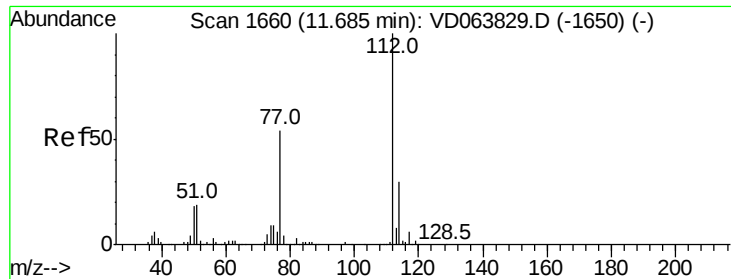
Tot Ion:117 Resp: 371295
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 29.4 23.5 35.3



#64
Tetrachloroethene
Concen: 50.524 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion:164 Resp: 126363
Ion Ratio Lower Upper
164 100
166 131.9 105.5 158.3
129 87.8 70.2 105.4
131 85.8 68.6 103.0

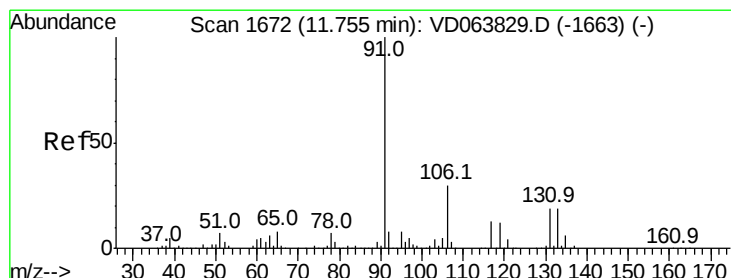
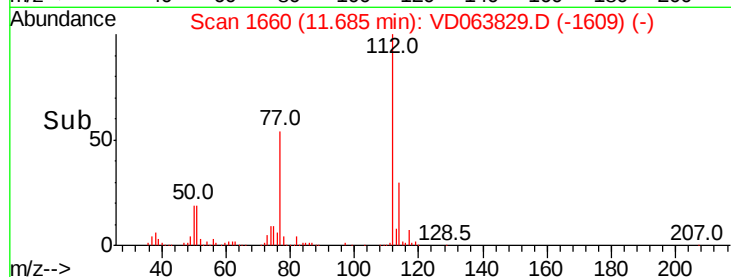
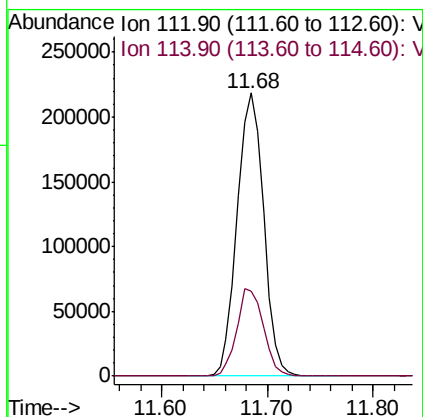
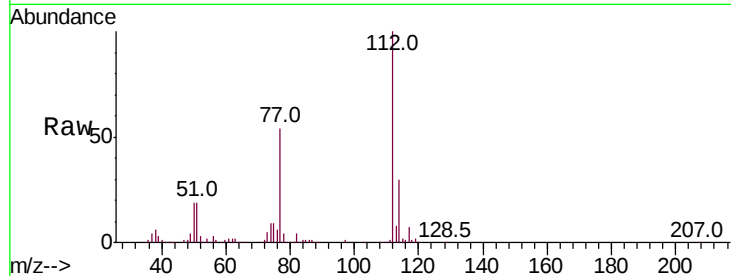




#65
Chlorobenzene
Concen: 50.866 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

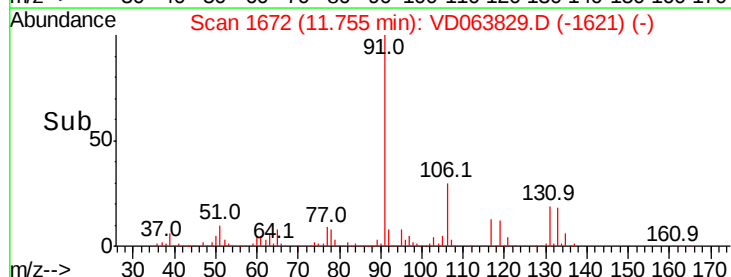
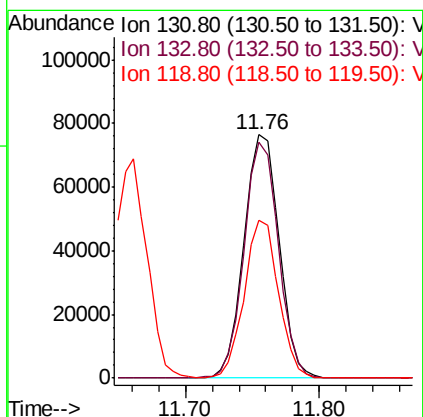
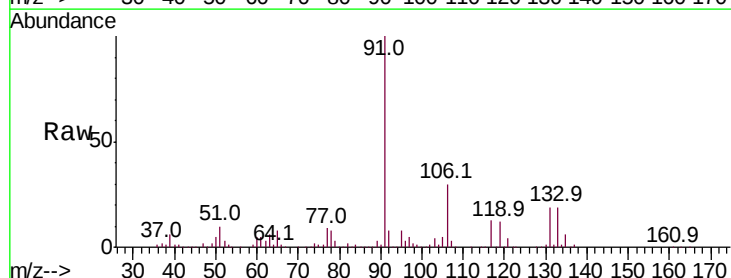
Instrument :
MSVOA_D
ClientSampleId :

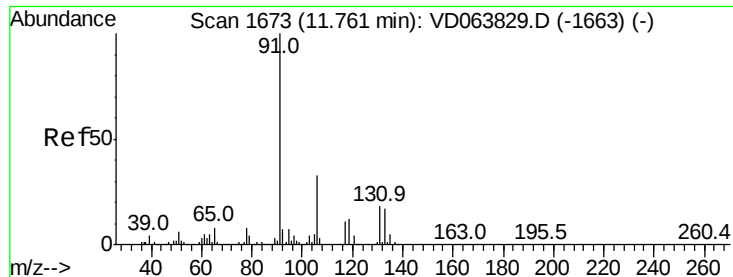
Tot Ion:112 Resp: 379911
Ion Ratio Lower Upper
112 100
114 30.2 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.677 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion:131 Resp: 139102
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 63.2 31.6 94.8





#67

Ethyl Benzene

Concen: 51.233 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

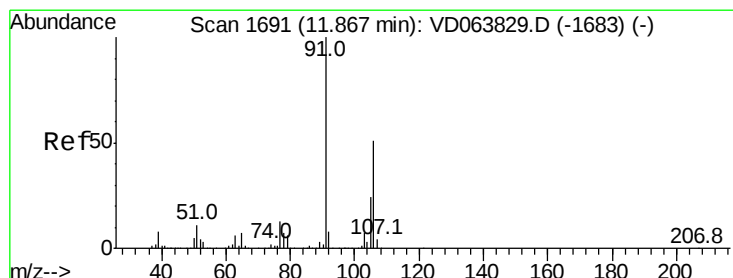
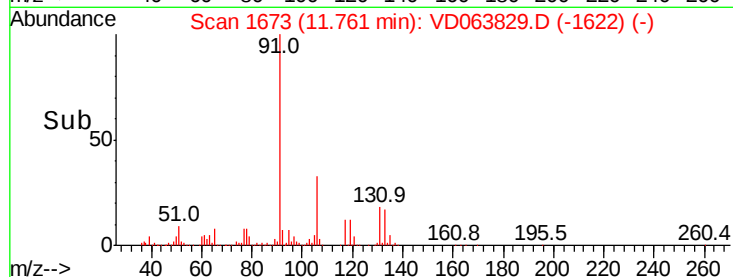
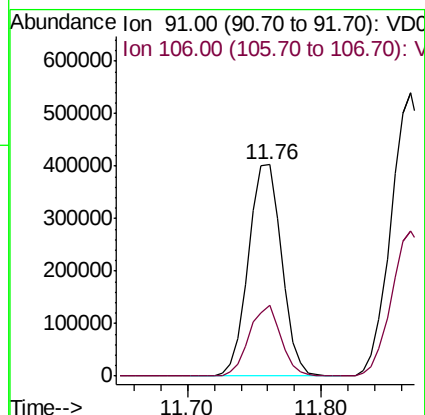
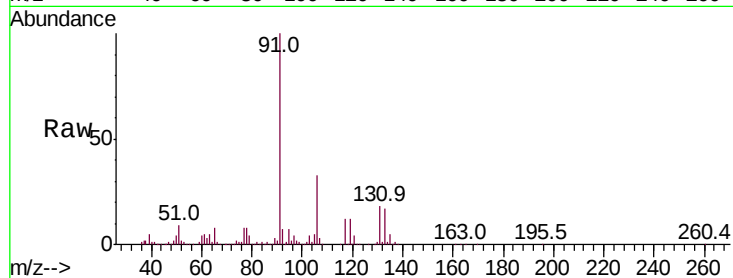
ClientSampled :

Tot Ion: 91 Resp: 691189

Ion Ratio Lower Upper

91 100

106 33.3 26.6 40.0



#68

m/p-Xylenes

Concen: 101.951 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063829.D

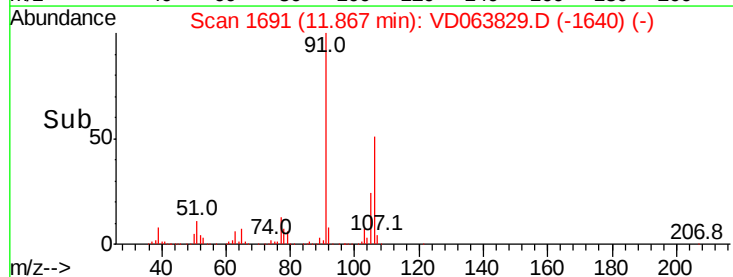
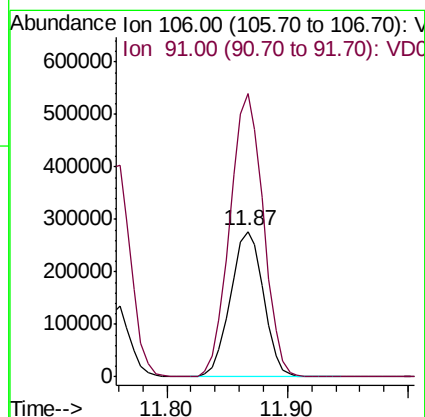
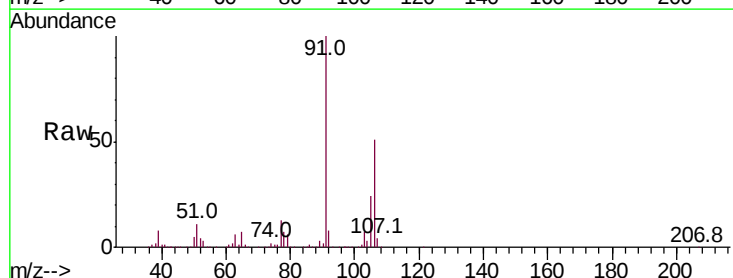
Acq: 25 Sep 2019 18:20

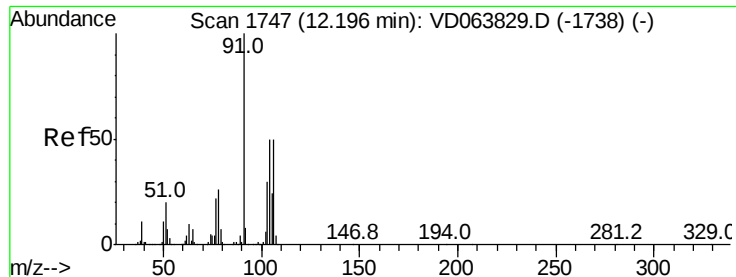
Tgt Ion:106 Resp: 528184

Ion Ratio Lower Upper

106 100

91 197.0 157.6 236.4

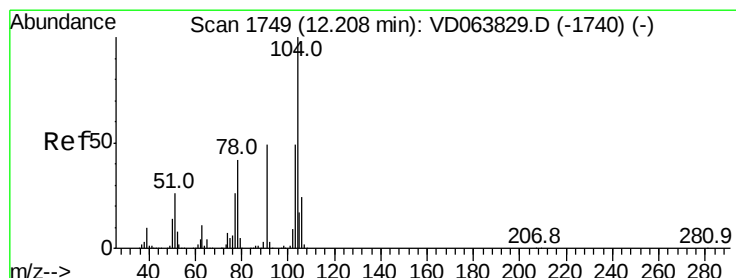
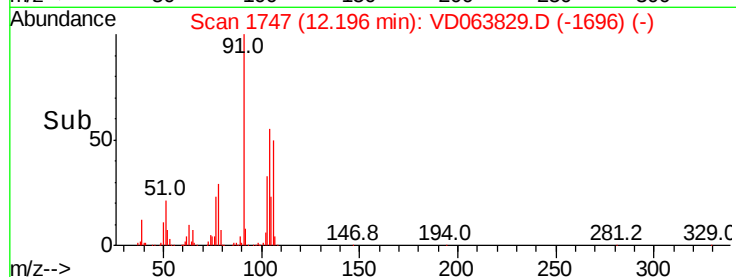
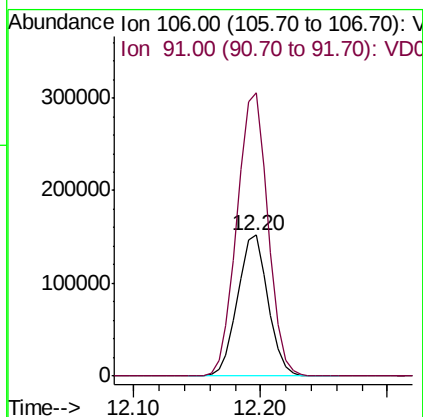
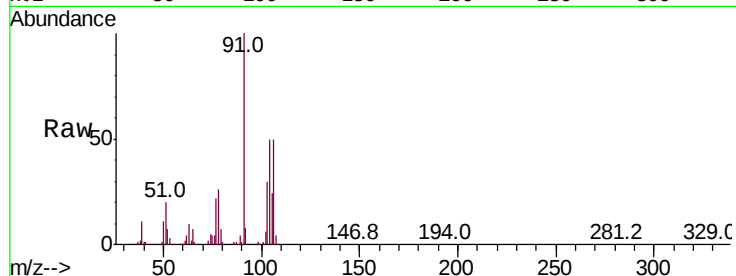




#69
o-Xylene
Concen: 51.641 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

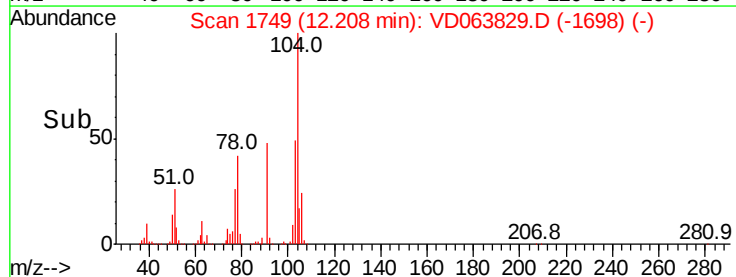
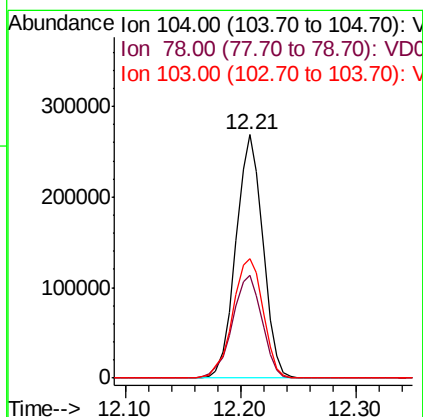
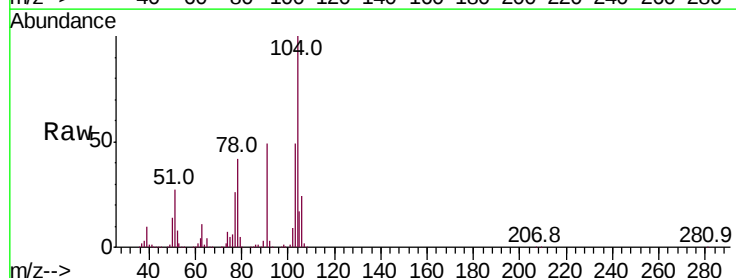
Instrument :
MSVOA_D
ClientSampled :

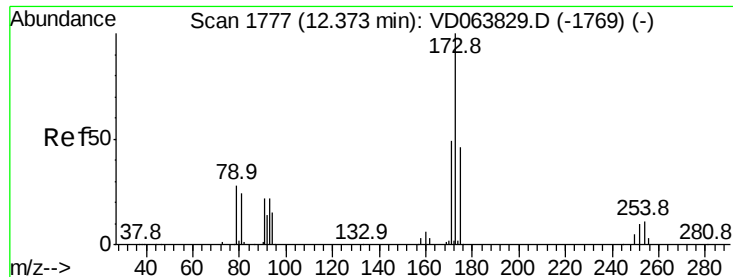
Tot Ion:106 Resp: 252522
Ion Ratio Lower Upper
106 100
91 204.7 102.4 307.1



#70
Styrene
Concen: 52.548 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion:104 Resp: 434876
Ion Ratio Lower Upper
104 100
78 46.6 37.3 55.9
103 55.3 44.2 66.4





#71

Bromoform

Concen: 53.137 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

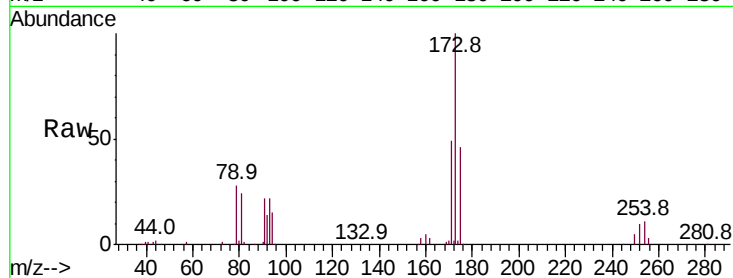
Tot Ion:173 Resp: 81024

Ion Ratio Lower Upper

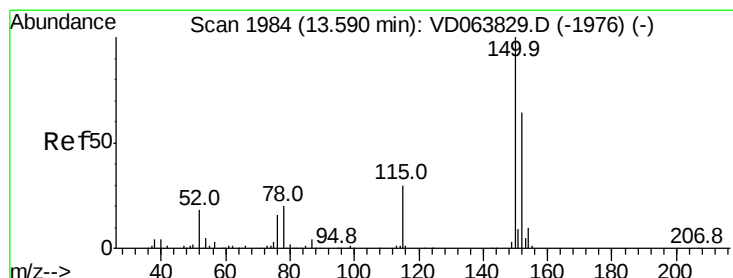
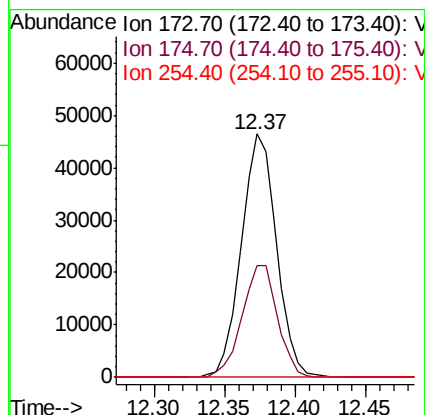
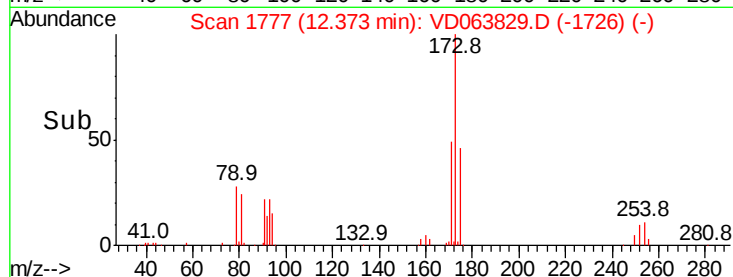
173 100

175 46.5 23.3 69.8

254 0.1 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: VD063829.D

Acq: 25 Sep 2019 18:20

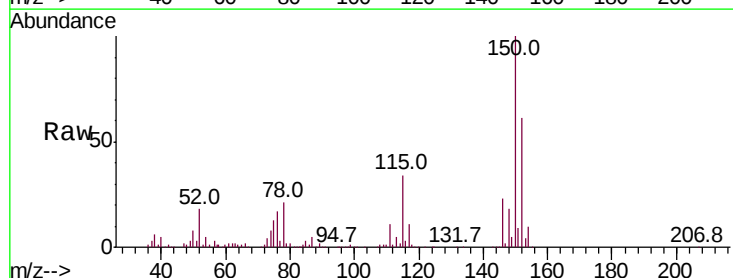
Tgt Ion:152 Resp: 201184

Ion Ratio Lower Upper

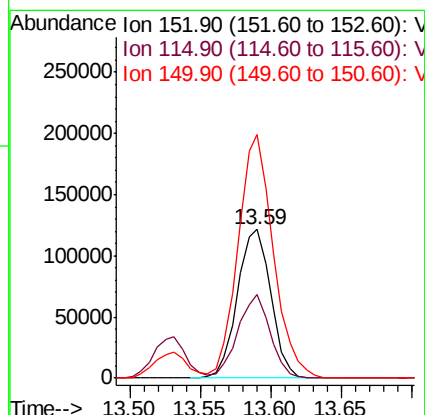
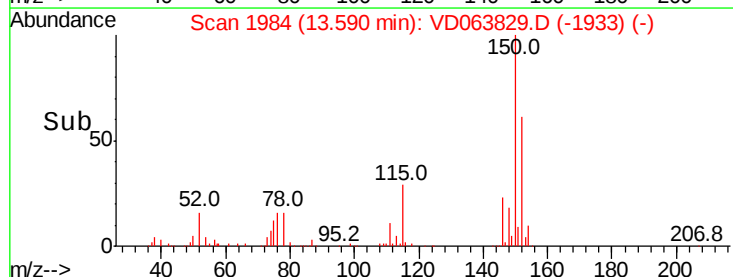
152 100

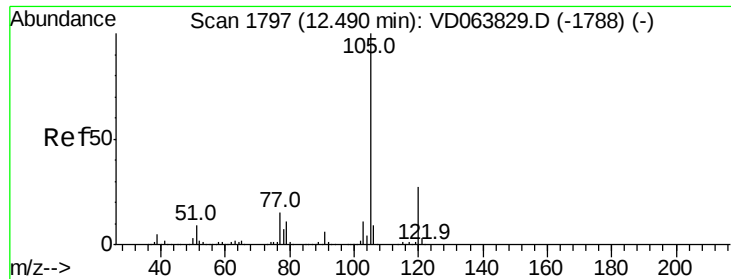
115 54.0 27.0 81.0

150 172.0 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: 49.823 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

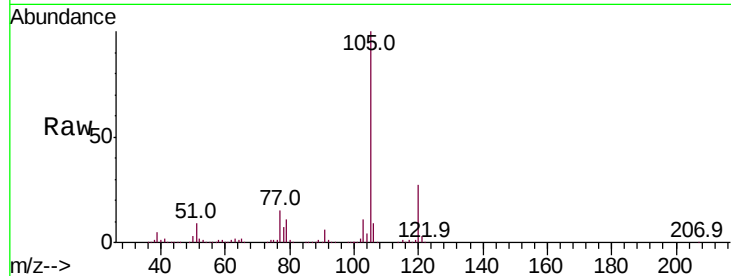
ClientSampleId :

Tot Ion:105 Resp: 684651

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.49

400000

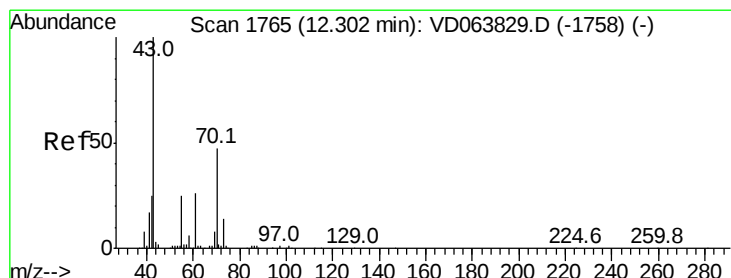
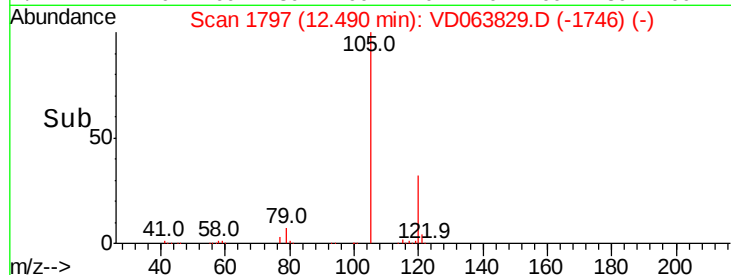
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 46.985 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion: 43 Resp: 141336

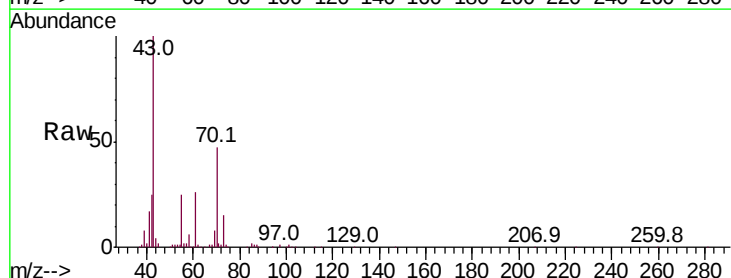
Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 24.7 19.8 29.6

61 24.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

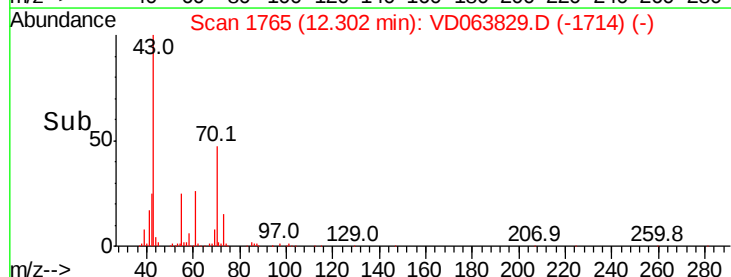
Ion 61.00 (60.70 to 61.70): V

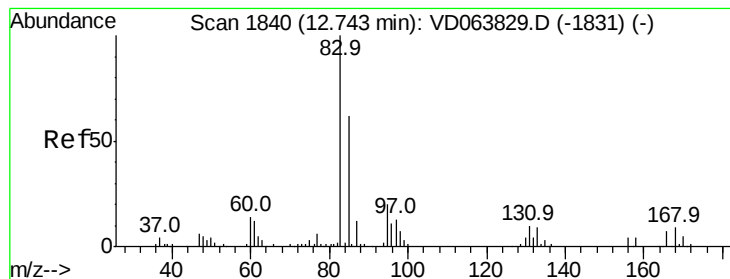
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.165 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampled :

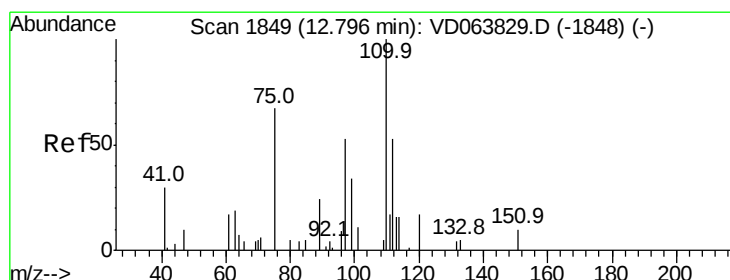
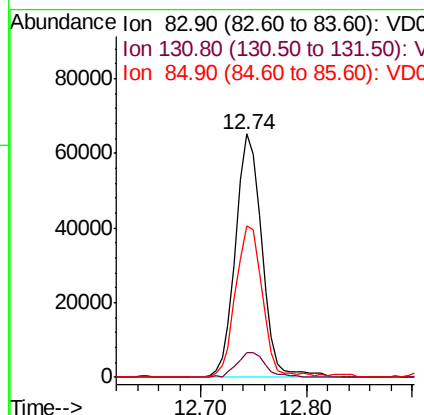
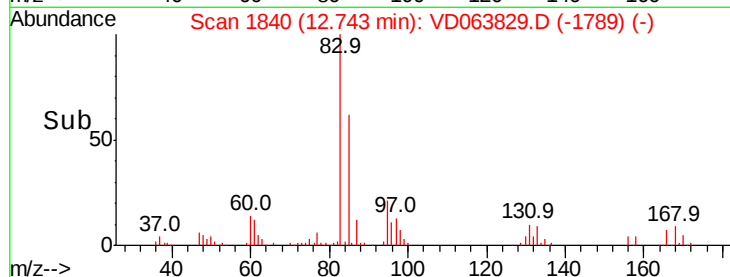
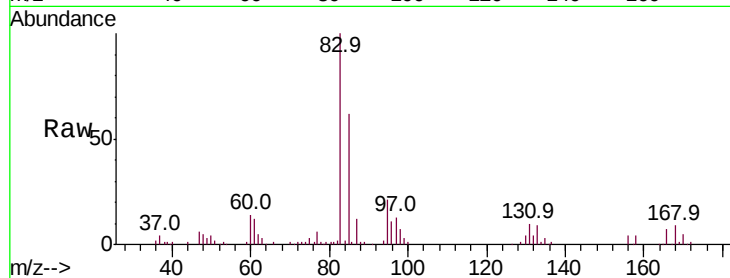
Tot Ion: 83 Resp: 112610

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	63.8	31.9	95.7

83 100

131 11.2 5.6 16.8

85 63.8 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 109.645 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063829.D

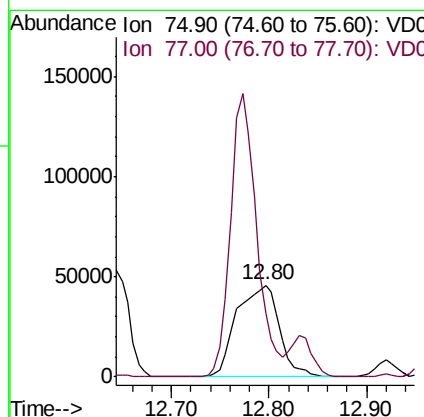
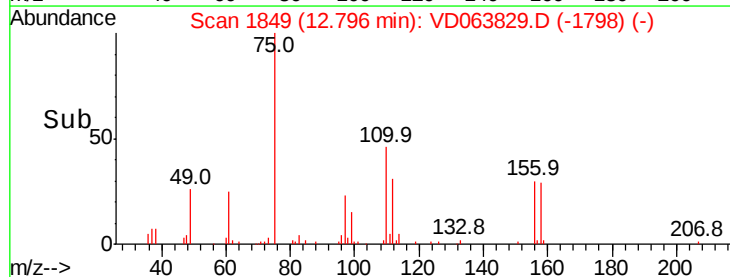
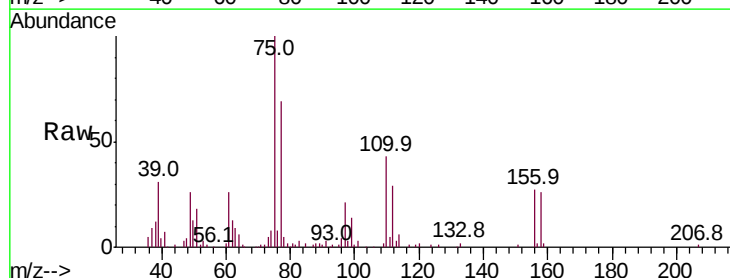
Acq: 25 Sep 2019 18:20

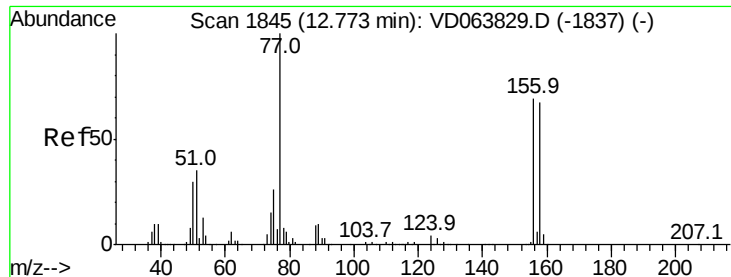
Tgt Ion: 75 Resp: 139897

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.235 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

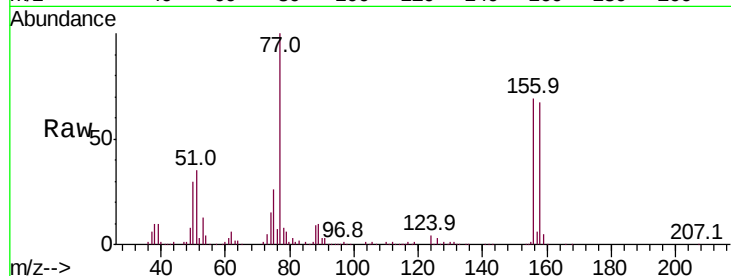
Tot Ion:156 Resp: 165900

Ion Ratio Lower Upper

156 100

77 159.6 79.8 239.4

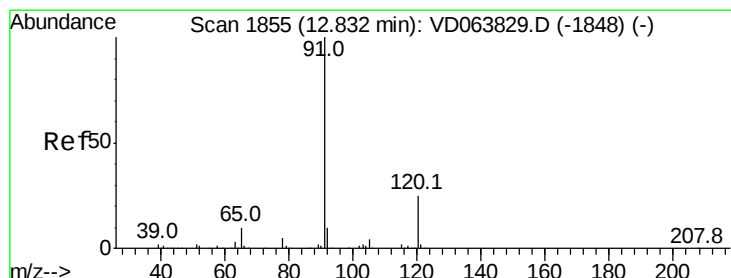
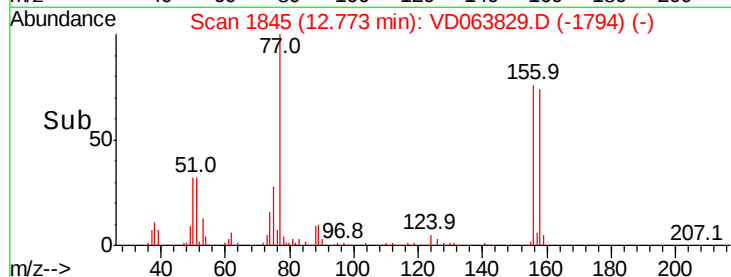
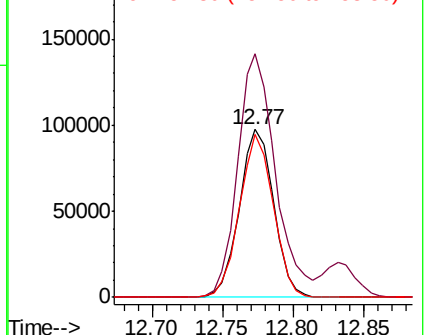
158 95.8 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.623 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063829.D

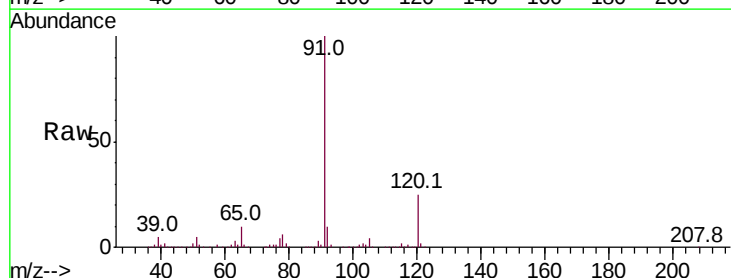
Acq: 25 Sep 2019 18:20

Tgt Ion: 91 Resp: 802251

Ion Ratio Lower Upper

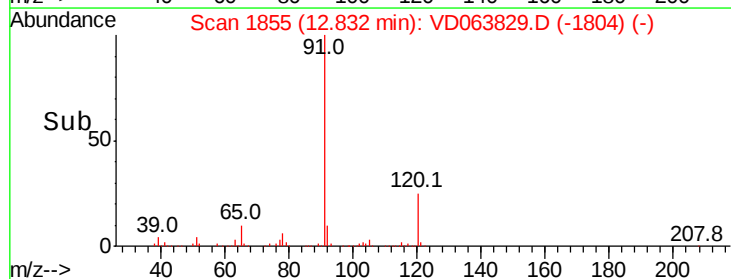
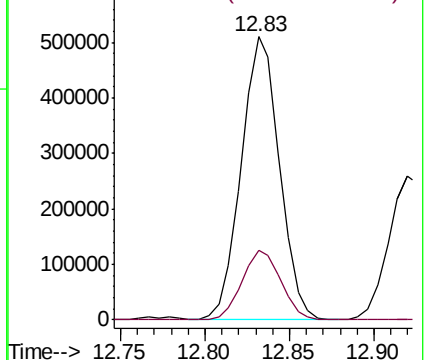
91 100

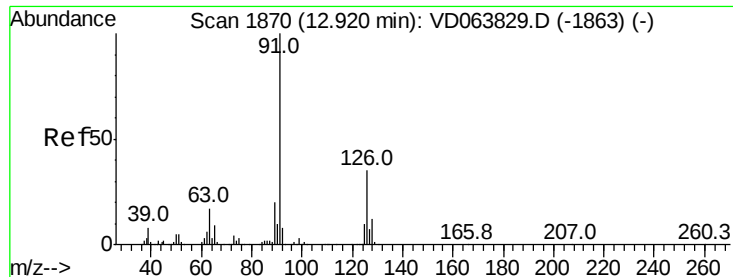
120 25.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.716 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

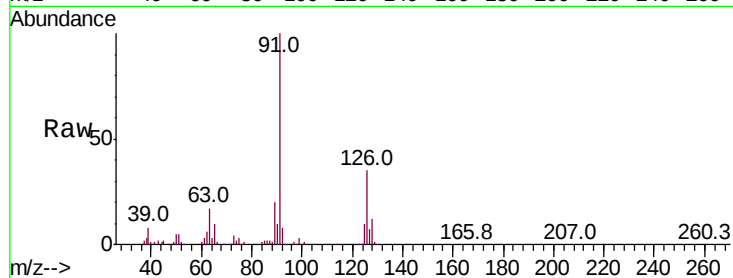
ClientSampleId :

Tot Ion: 91 Resp: 442240

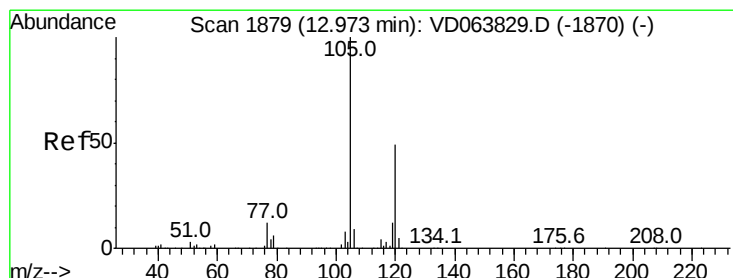
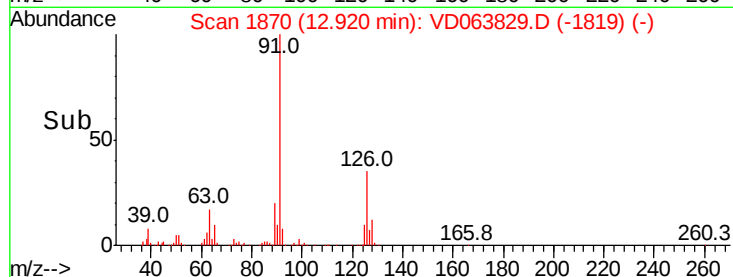
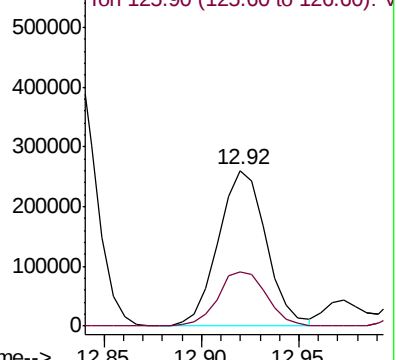
Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.574 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063829.D

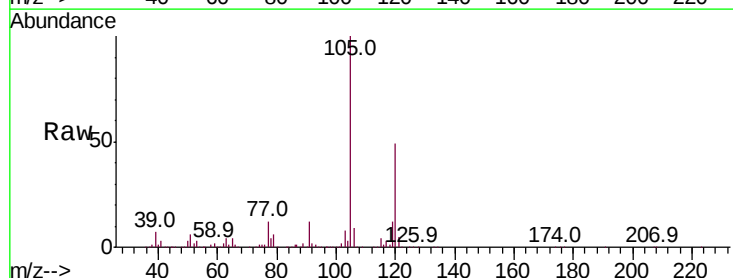
Acq: 25 Sep 2019 18:20

Tgt Ion:105 Resp: 579338

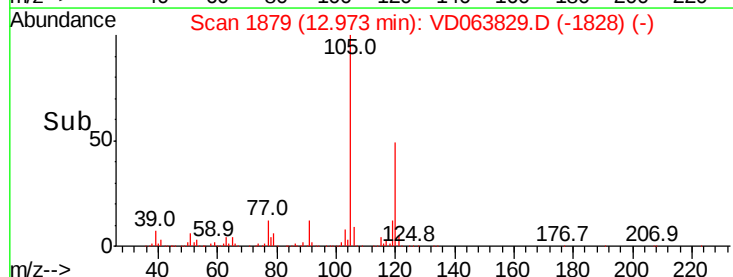
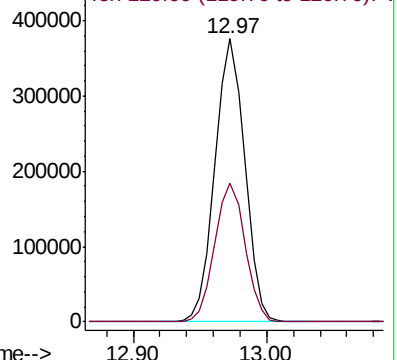
Ion Ratio Lower Upper

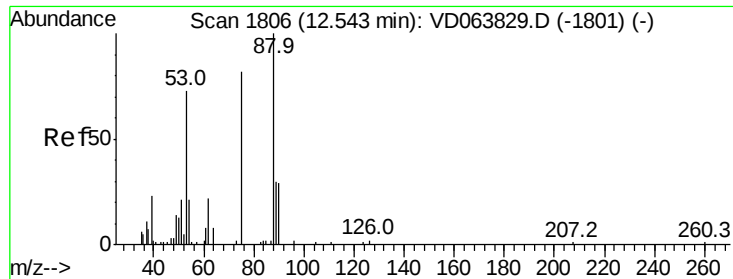
105 100

120 49.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

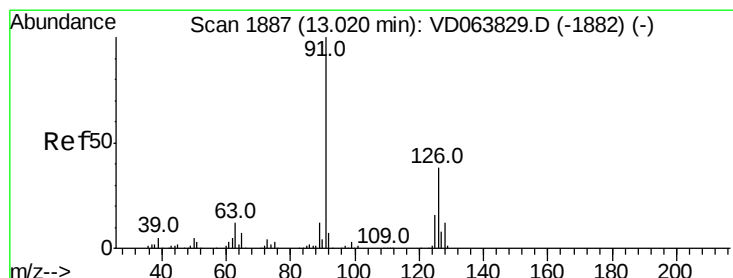
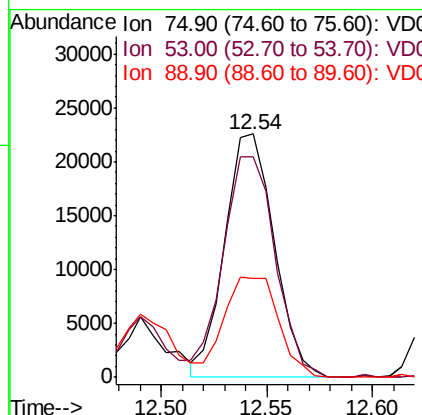
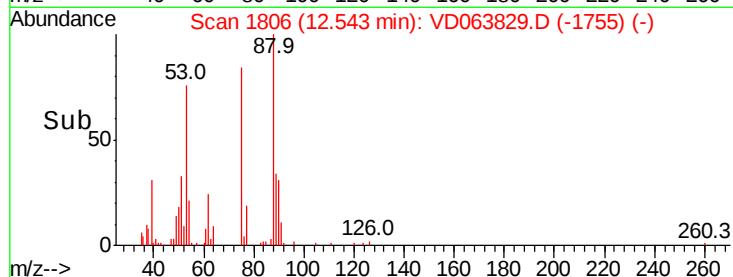
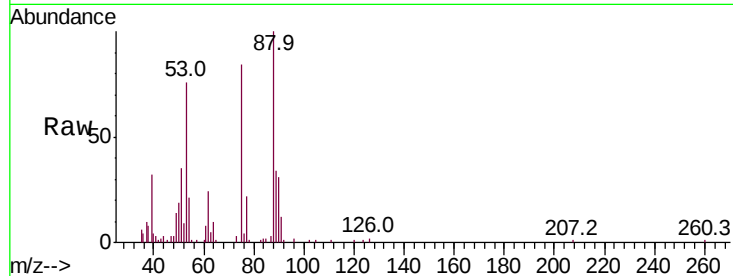




#81
trans-1,4-Dichloro-2-butene
Concen: 48.018 ug/l
RT: 12.54 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

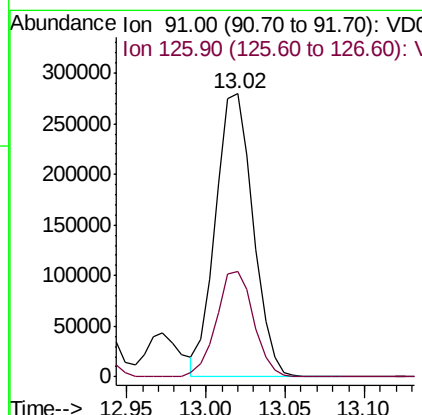
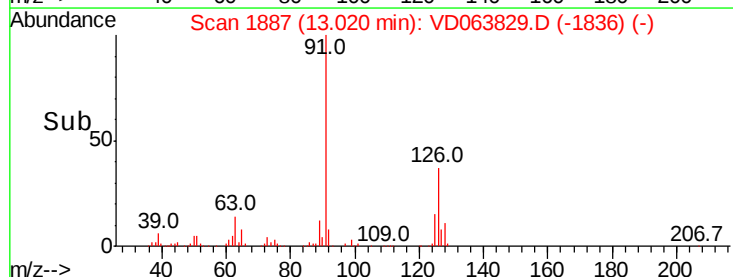
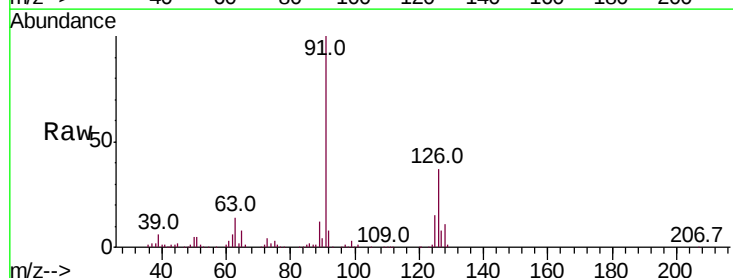
Instrument :
MSVOA_D
ClientSampleId :

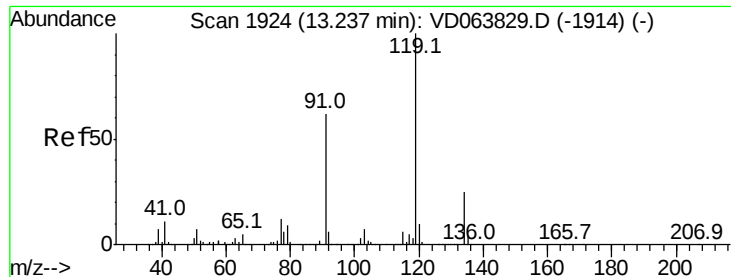
Tot Ion: 75 Resp: 36678
Ion Ratio Lower Upper
75 100
53 95.6 76.5 114.7
89 46.3 37.0 55.6



#82
4-Chlorotoluene
Concen: 49.592 ug/l
RT: 13.02 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 91 Resp: 461310
Ion Ratio Lower Upper
91 100
126 37.1 18.6 55.6

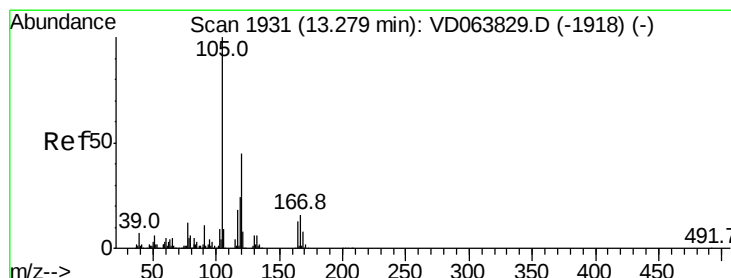
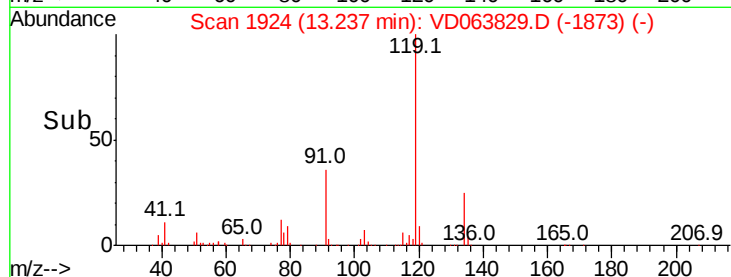
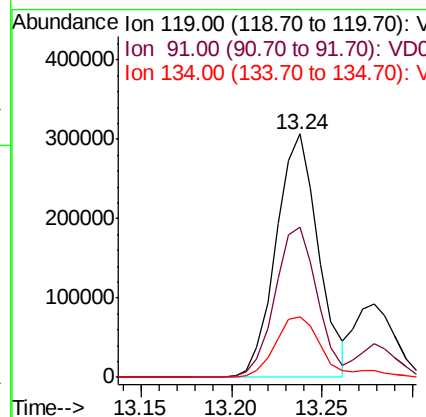
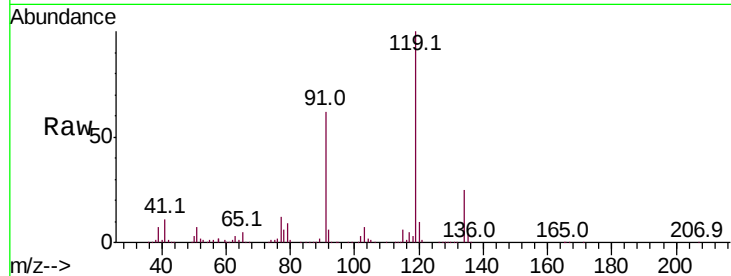




#83
tert-Butylbenzene
Concen: 49.899 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

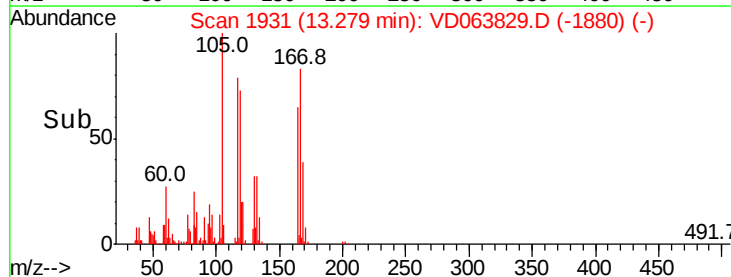
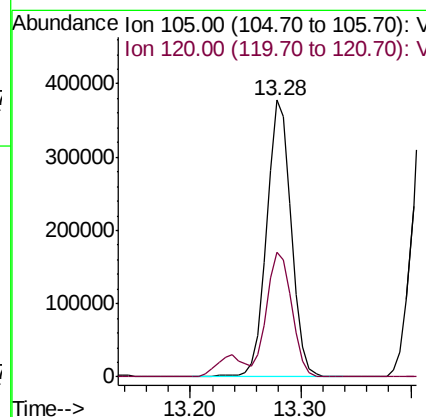
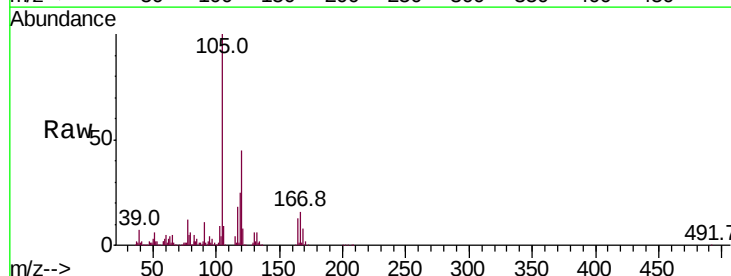
Instrument :
MSVOA_D
ClientSampleId :

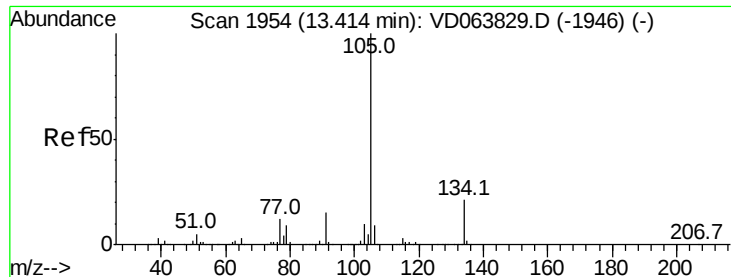
Tot Ion:119 Resp: 499453
Ion Ratio Lower Upper
119 100
91 61.5 30.8 92.3
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 50.685 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion:105 Resp: 589448
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 49.970 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

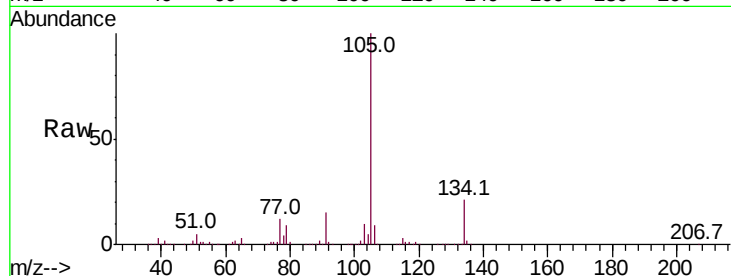
ClientSampled :

Tot Ion:105 Resp: 695977

Ion Ratio Lower Upper

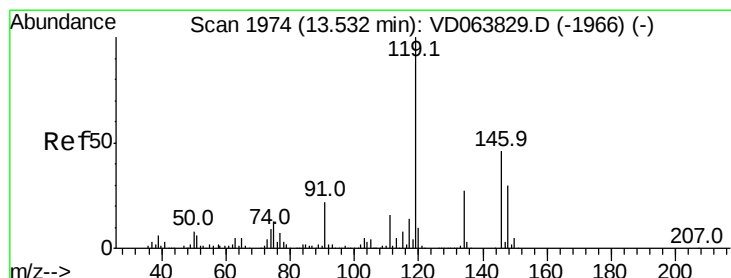
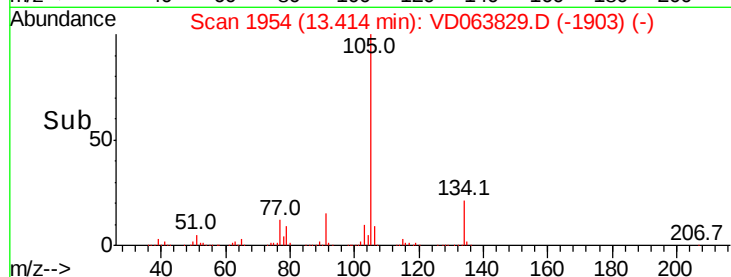
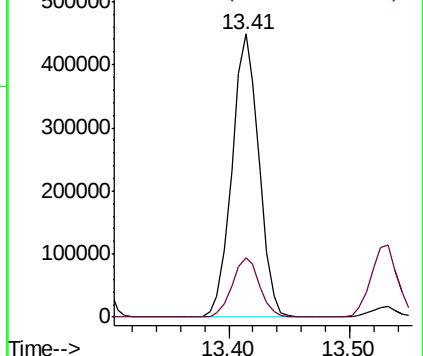
105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.104 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

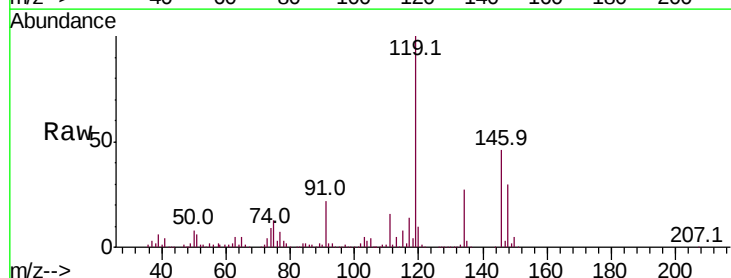
Tgt Ion:119 Resp: 668477

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

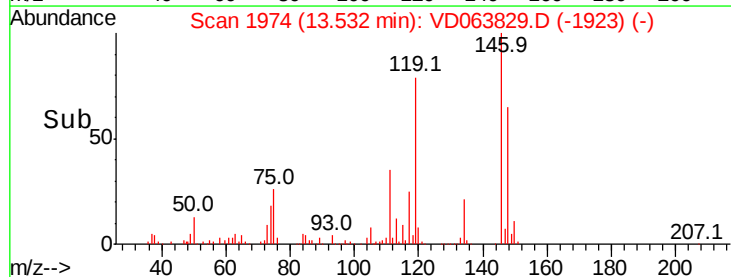
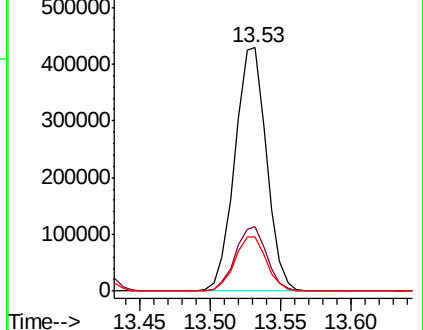
91 22.7 11.4 34.1

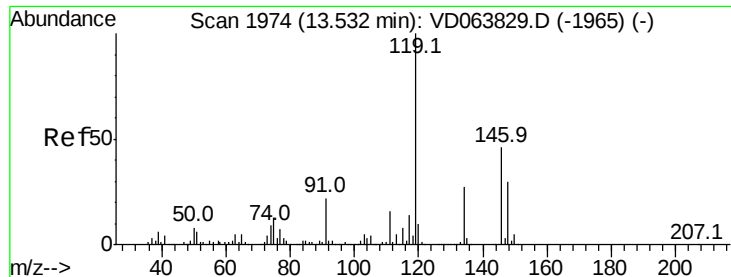


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

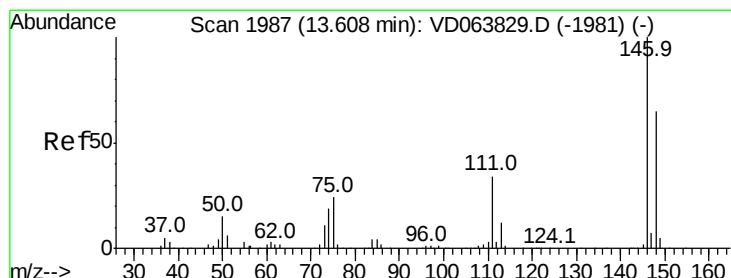
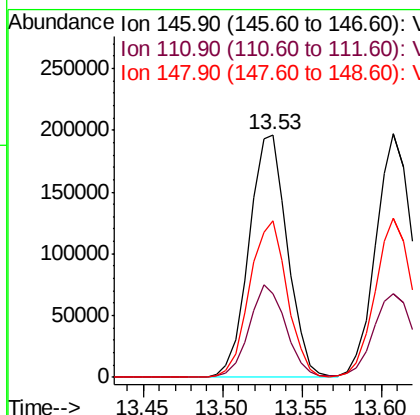
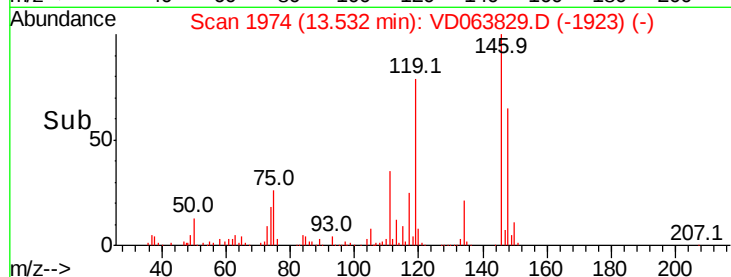
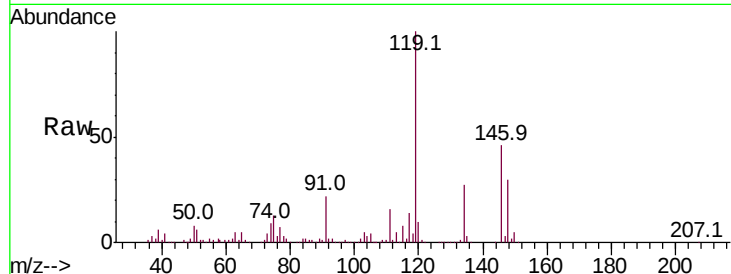




#87
 1,3-Dichlorobenzene
 Concen: 50.851 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

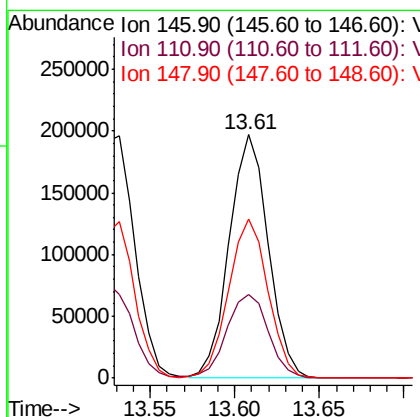
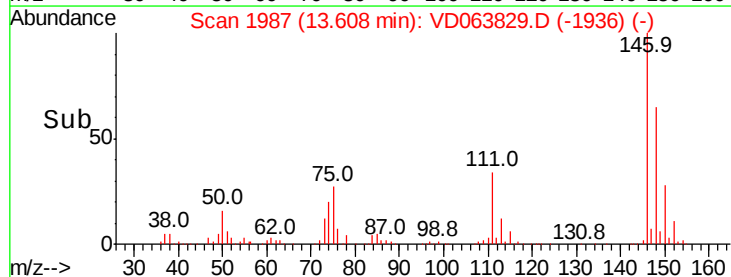
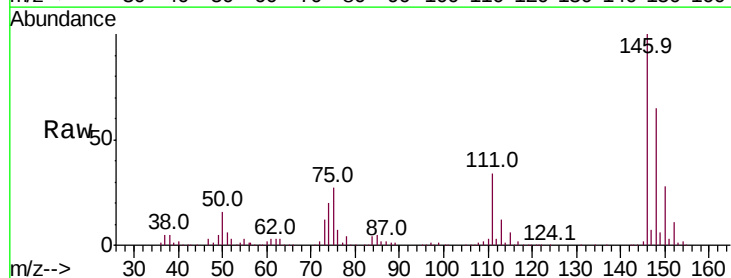
Instrument :
 MSVOA_D
 ClientSampleId :

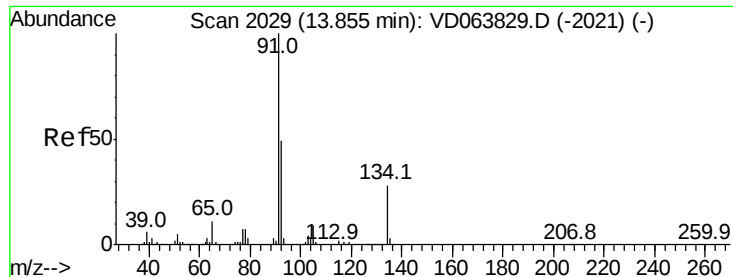
Tot Ion:146 Resp: 329720
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.3 54.8
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.064 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion:146 Resp: 316398
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.5 55.5
 148 66.0 33.0 99.0

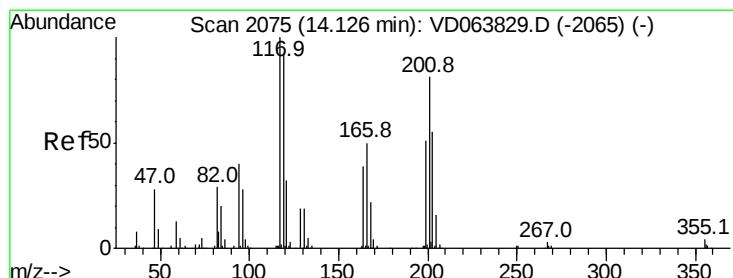
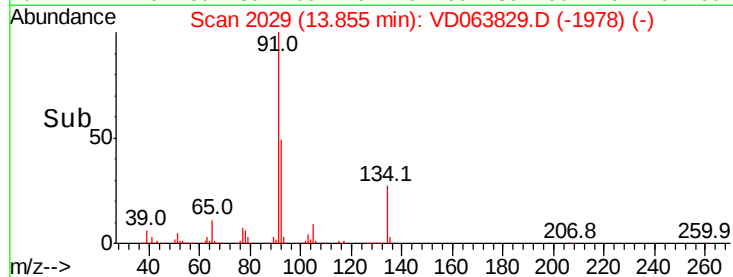
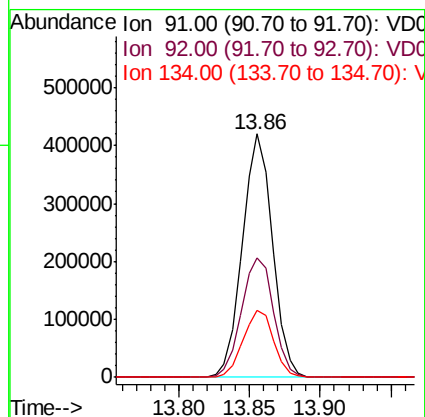
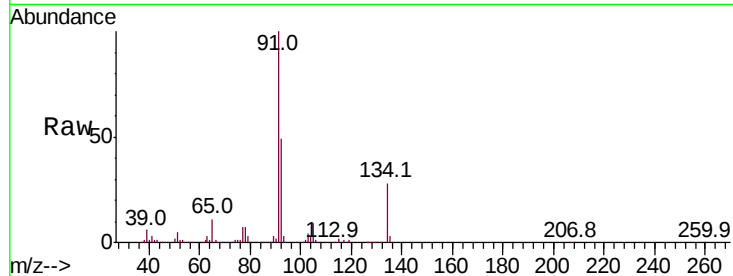




#89
n-Butylbenzene
Concen: 50.419 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

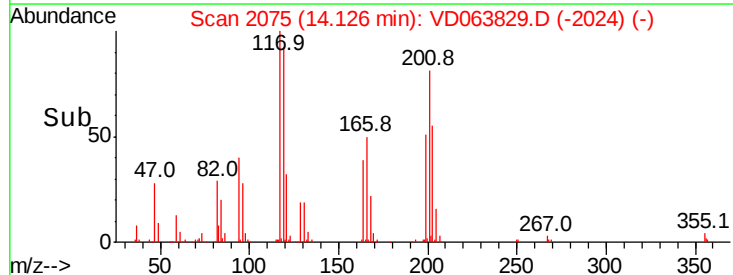
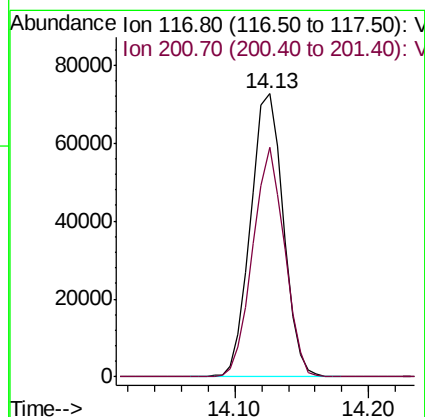
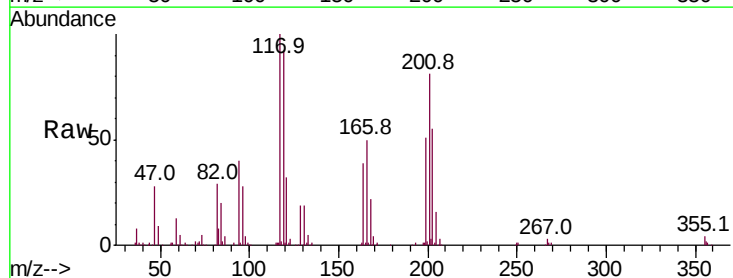
Instrument :
MSVOA_D
ClientSampleId :

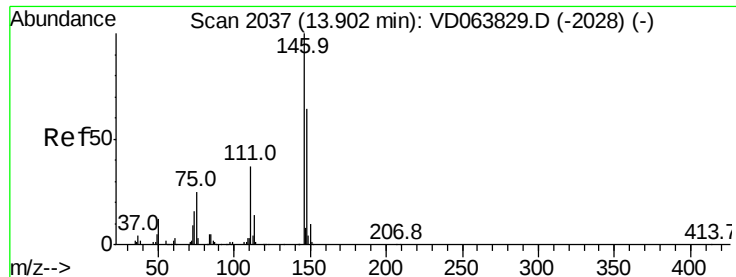
Tot Ion: 91 Resp: 627689
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 27.9 14.0 41.9



#90
Hexachloroethane
Concen: 50.895 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 117 Resp: 123311
Ion Ratio Lower Upper
117 100
201 78.5 39.3 117.8





#91

1,2-Dichlorobenzene

Concen: 50.662 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampled :

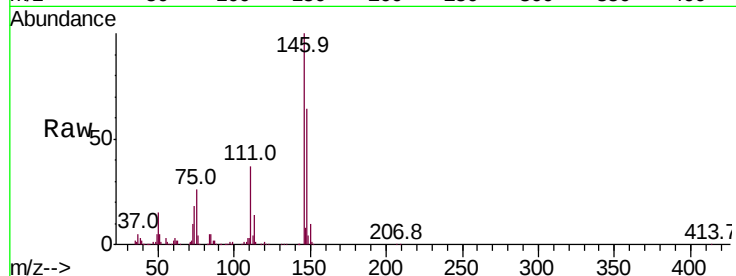
Tot Ion:146 Resp: 281776

Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.7

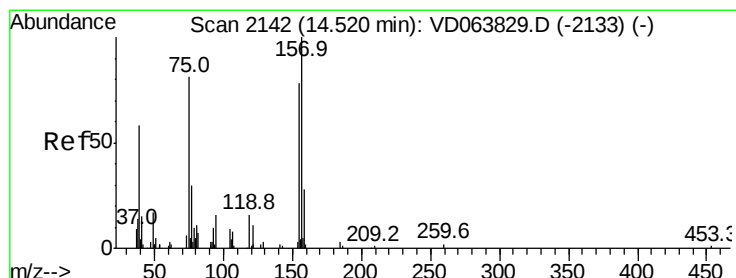
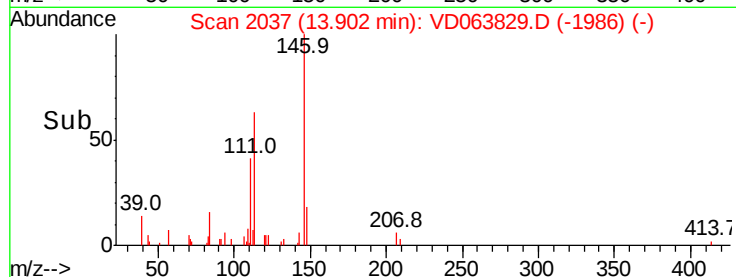
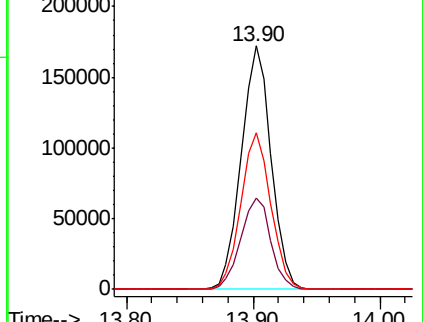
148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.902 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

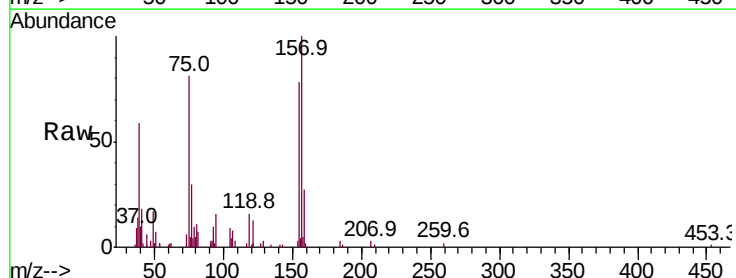
Tgt Ion: 75 Resp: 17353

Ion Ratio Lower Upper

75 100

155 96.0 48.0 144.0

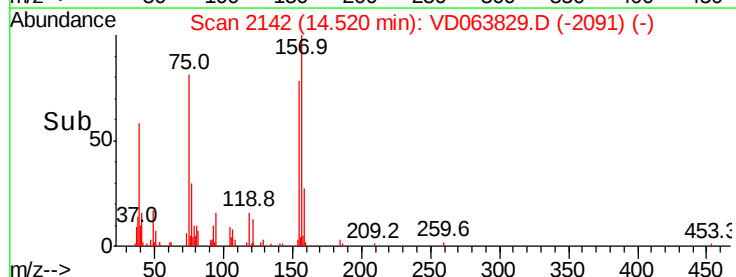
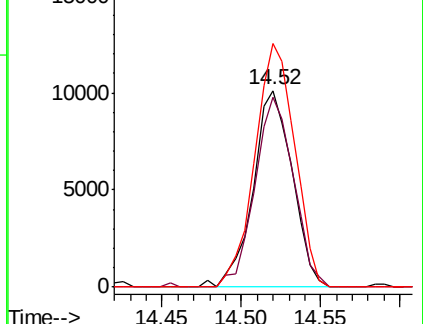
157 126.5 63.2 189.8

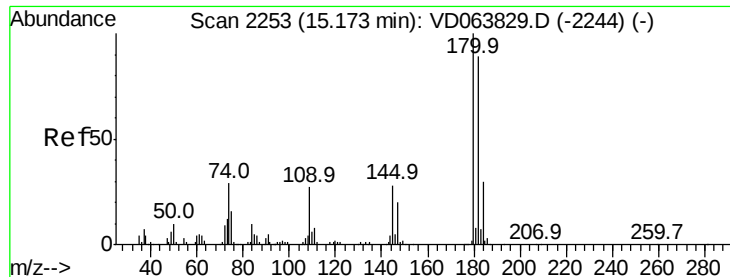


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

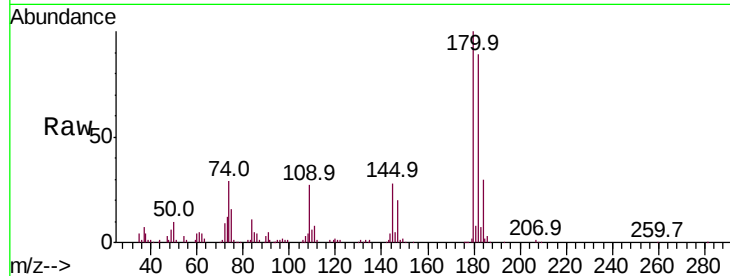




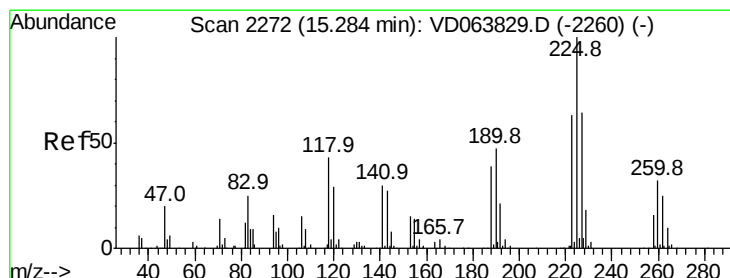
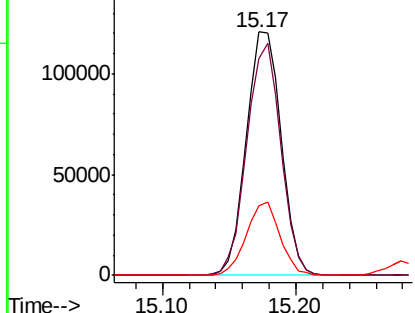
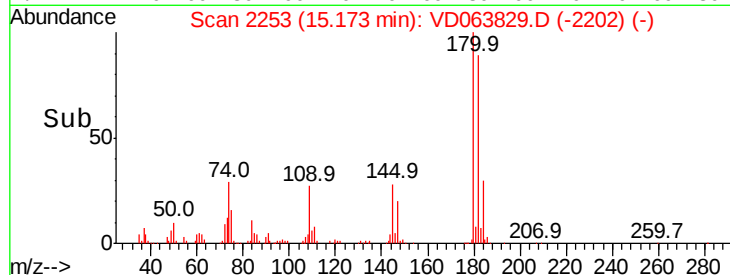
#93
 1,2,4-Trichlorobenzene
 Concen: 51.586 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.5	139.5
145	28.9	14.4	43.4

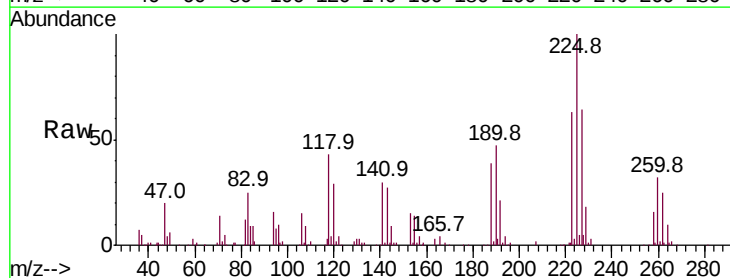


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

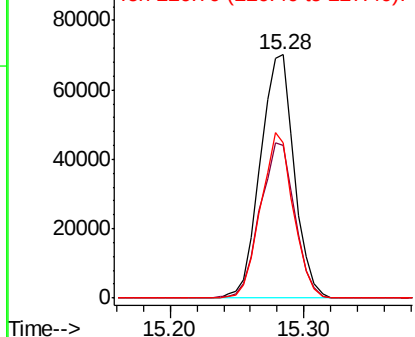
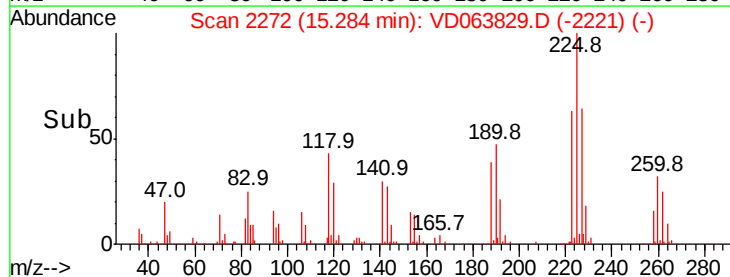


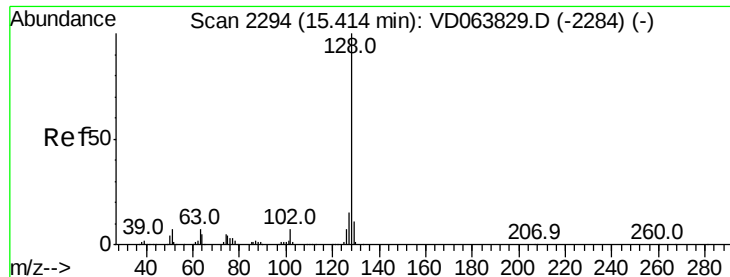
#94
 Hexachlorobutadiene
 Concen: 51.245 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.8	98.3
227	65.5	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

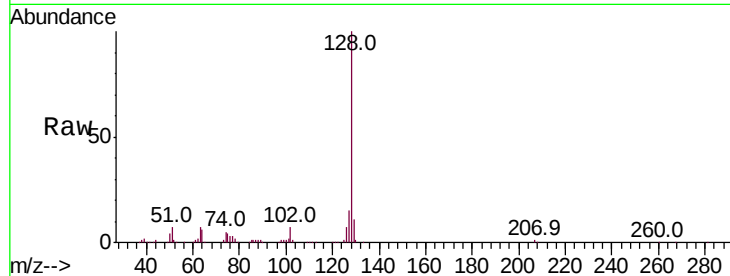




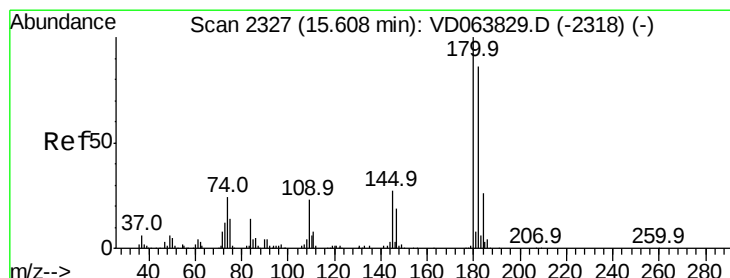
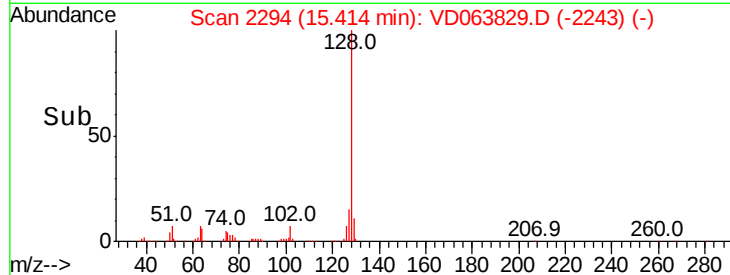
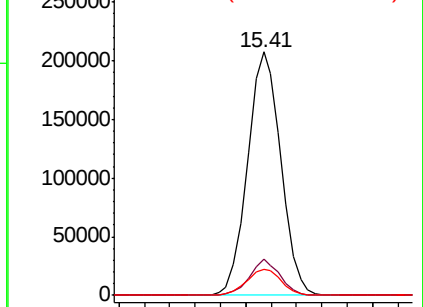
#95
Naphthalene
Concen: 49.796 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 377696
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.0 8.8 13.2

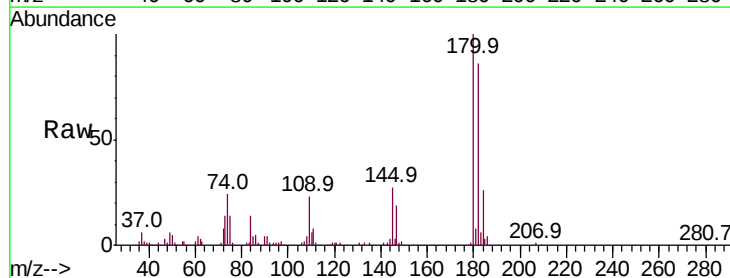


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.825 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion:180 Resp: 190323
Ion Ratio Lower Upper
180 100
182 93.1 46.6 139.7
145 29.0 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

