

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063839.D
 Acq On : 26 Sep 2019 15:30
 Operator : VA/SY
 Sample : MDL2
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 18:13:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	206225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	337421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	322402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	163340	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.36	65	115180	59.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.64%	
35) Dibromofluoromethane	7.94	113	113499	52.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.98%	
50) Toluene-d8	10.36	98	452797	56.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.32%	
62) 4-Bromofluorobenzene	12.65	95	144222	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	4444	3.142	ug/l	81
3) Chloromethane	2.22	50	17778	Below Cal		93
4) Vinyl Chloride	2.36	62	16284	3.723	ug/l	96
5) Bromomethane	2.79	94	10557	4.125	ug/l	88
6) Chloroethane	2.94	64	10639	Below Cal		92
7) Trichlorofluoromethane	3.29	101	23394	3.978	ug/l	94
8) Diethyl Ether	3.73	74	3924	2.220	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.11	101	6606	3.787	ug/l #	73
10) Methyl Iodide	4.31	142	7701	3.697	ug/l #	48
11) Tert butyl alcohol	5.27	59	1313	Below Cal	#	72
12) 1,1-Dichloroethene	4.09	96	6770	3.844	ug/l	90
13) Acrolein	3.96	56	3133	17.007	ug/l #	73
14) Allyl chloride	4.73	41	10206	3.667	ug/l #	59
15) Acrylonitrile	5.46	53	7881	18.604	ug/l	97
16) Acetone	4.20	43	9183	10.266	ug/l	95
17) Carbon Disulfide	4.42	76	21235	3.567	ug/l #	90
18) Methyl Acetate	4.76	43	4692	1.983	ug/l #	75
19) Methyl tert-butyl Ether	5.51	73	15791	3.582	ug/l	95
20) Methylene Chloride	4.99	84	15134	2.296	ug/l #	94
21) trans-1,2-Dichloroethene	5.51	96	7801	3.806	ug/l	84
22) Diisopropyl ether	6.39	45	21830	3.797	ug/l #	93
23) Vinyl Acetate	6.34	43	50787	14.936	ug/l	96
24) 1,1-Dichloroethane	6.28	63	12624	3.614	ug/l #	92
25) 2-Butanone	7.25	43	11117	19.509	ug/l	96
26) 2,2-Dichloropropane	7.23	77	11939	3.655	ug/l #	76
27) cis-1,2-Dichloroethene	7.24	96	8641	3.757	ug/l	97
28) Bromochloromethane	7.57	49	5364	3.914	ug/l #	100
29) Tetrahydrofuran	7.61	42	7318	21.433	ug/l	95
30) Chloroform	7.74	83	14710	3.877	ug/l #	76
31) Cyclohexane	8.01	56	15092	0.646	ug/l #	63
32) 1,1,1-Trichloroethane	7.93	97	11366	3.313	ug/l	98
36) 1,1-Dichloropropene	8.13	75	11400	3.704	ug/l	98
37) Ethyl Acetate	7.33	43	5562	2.227	ug/l #	89
38) Carbon Tetrachloride	8.12	117	9353	2.920	ug/l #	81

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.37	83	13577	3.543	ug/l #	91
40) Benzene	8.37	78	29822	3.518	ug/l	97
41) Methacrylonitrile	7.56	41	3626	3.069	ug/l #	89
42) 1,2-Dichloroethane	8.45	62	8863	3.576	ug/l	93
43) Isopropyl Acetate	8.48	43	9699	3.764	ug/l #	91
44) Trichloroethene	9.13	130	9093	3.704	ug/l	89
45) 1,2-Dichloropropane	9.40	63	7808	3.729	ug/l #	77
46) Dibromomethane	9.50	93	4625	3.914	ug/l	94
47) Bromodichloromethane	9.68	83	10537	3.459	ug/l	99
48) Methyl methacrylate	9.47	41	5163	4.405	ug/l #	49
49) 1,4-Dioxane	9.48	88	985	59.746	ug/l #	83
51) 4-Methyl-2-Pentanone	10.24	43	24787	19.094	ug/l	97
52) Toluene	10.42	92	19904	3.463	ug/l	100
53) t-1,3-Dichloropropene	10.64	75	10260	3.398	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	10887	3.176	ug/l #	87
55) 1,1,2-Trichloroethane	10.81	97	6021	3.606	ug/l	92
56) Ethyl methacrylate	10.68	69	7400	3.487	ug/l	93
57) 1,3-Dichloropropane	10.96	76	10132	3.571	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.96	63	15278	16.105	ug/l	99
59) 2-Hexanone	11.00	43	14698	15.868	ug/l	99
60) Dibromochloromethane	11.16	129	7808	3.543	ug/l	89
61) 1,2-Dibromoethane	11.27	107	5369	3.216	ug/l	100
64) Tetrachloroethene	10.90	164	8193	3.773	ug/l #	71
65) Chlorobenzene	11.68	112	21799	3.361	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.76	131	8235	3.455	ug/l	94
67) Ethyl Benzene	11.76	91	39472	3.369	ug/l	89
68) m/p-Xylenes	11.87	106	29349	6.524	ug/l	99
69) o-Xylene	12.20	106	14108	3.323	ug/l	99
70) Styrene	12.21	104	22569	3.141	ug/l	97
71) Bromoform	12.37	173	3649	2.756	ug/l #	76
73) Isopropylbenzene	12.50	105	36708	3.290	ug/l	100
74) N-amyl acetate	12.31	43	8454	3.462	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	7225	3.885	ug/l	96
76) 1,2,3-Trichloropropane	12.80	75	9617	7.765	ug/l #	100
77) Bromobenzene	12.78	156	9508	3.546	ug/l	95
78) n-propylbenzene	12.83	91	44552	3.394	ug/l	97
79) 2-Chlorotoluene	12.93	91	25236	3.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	32211	3.463	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.65	75	82573	133.149	ug/l #	11
82) 4-Chlorotoluene	13.02	91	27172	3.598	ug/l	96
83) tert-Butylbenzene	13.24	119	26507	3.262	ug/l	92
84) 1,2,4-Trimethylbenzene	13.28	105	31031	3.286	ug/l	96
85) sec-Butylbenzene	13.42	105	38376	3.394	ug/l	96
86) p-Isopropyltoluene	13.53	119	35078	3.303	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	18184	3.454	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	18649	3.562	ug/l	95
89) n-Butylbenzene	13.86	91	34962	3.459	ug/l	96
90) Hexachloroethane	14.12	117	5873	2.986	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	16200	3.588	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	548	1.747	ug/l #	1

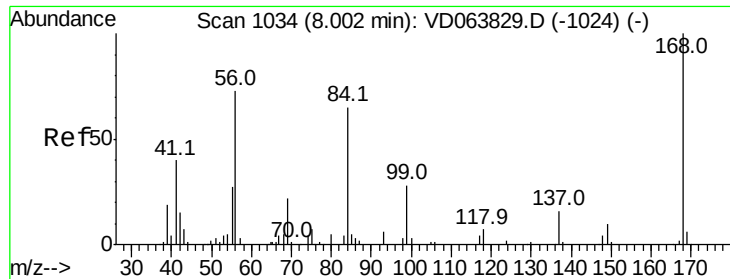
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Quant Title : SW846 8260
QLast Update : Thu Sep 26 12:03:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	12276	3.580	ug/l	99
94) Hexachlorobutadiene	15.28	225	6589	3.391	ug/l	96
95) Naphthalene	15.41	128	19479	3.163	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.61	180	10582	3.481	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

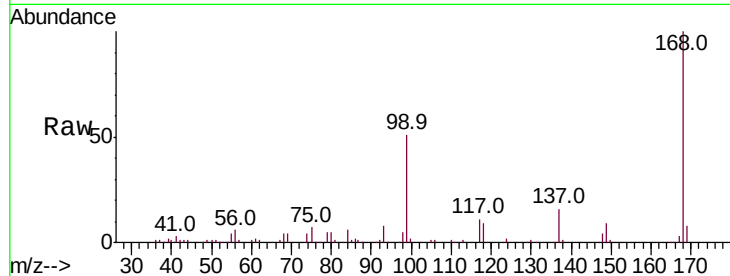
ClientSampleId :

Tot Ion:168 Resp: 206225

Ion Ratio Lower Upper

168 100

99 50.7 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

100000

80000

60000

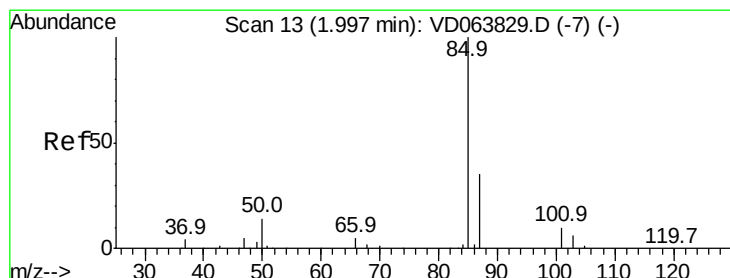
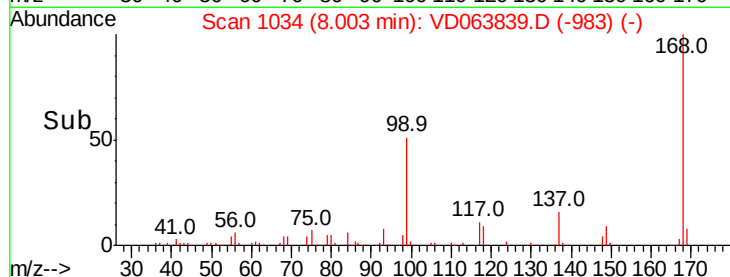
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.142 ug/l

RT: 2.00 min Scan# 14

Delta R.T. 0.01 min

Lab File: VD063839.D

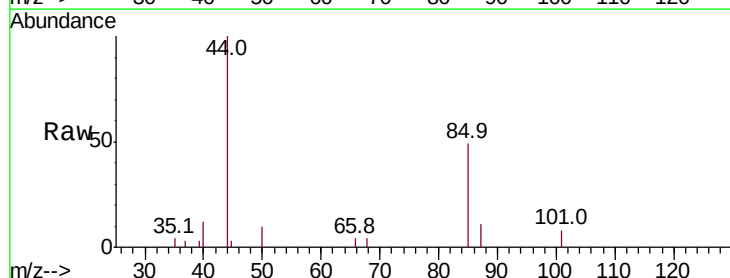
Acq: 26 Sep 2019 15:30

Tgt Ion: 85 Resp: 4444

Ion Ratio Lower Upper

85 100

87 23.3 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

3000

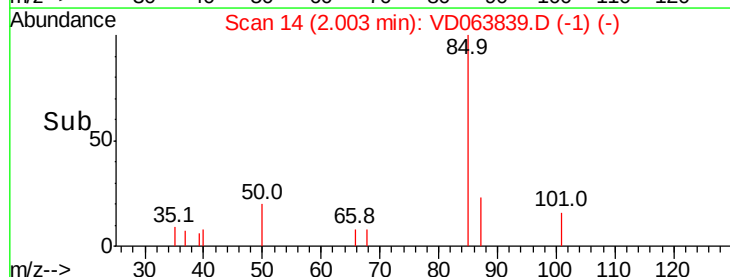
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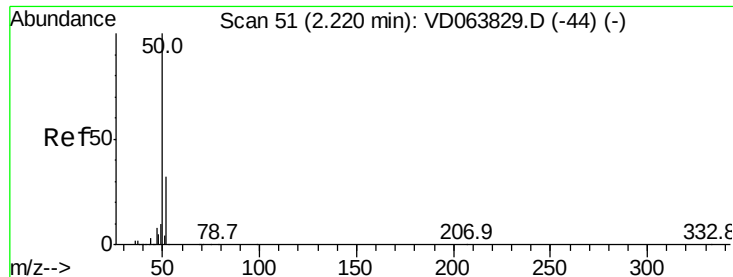
1000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

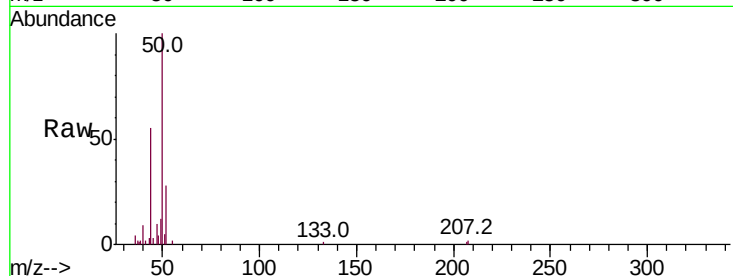
ClientSampleId :

Tot Ion: 50 Resp: 17778

Ion Ratio Lower Upper

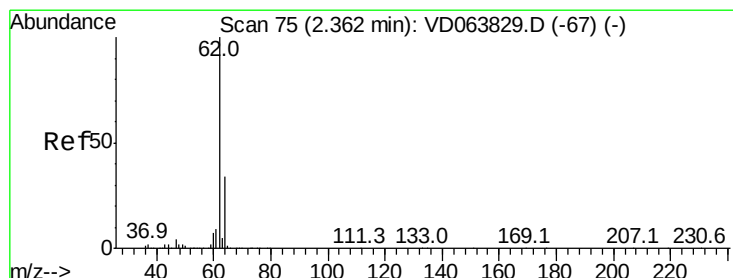
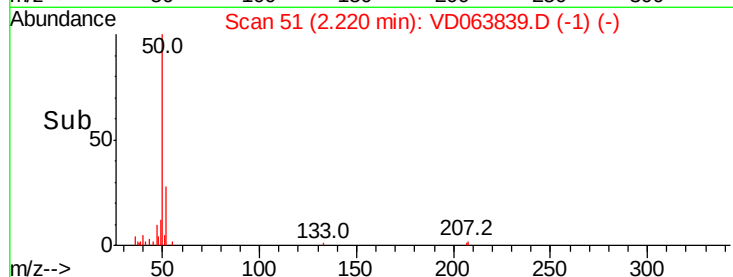
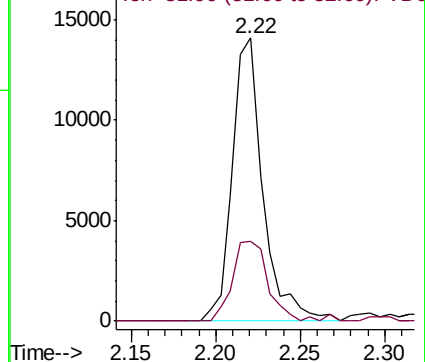
50 100

52 28.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 3.723 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063839.D

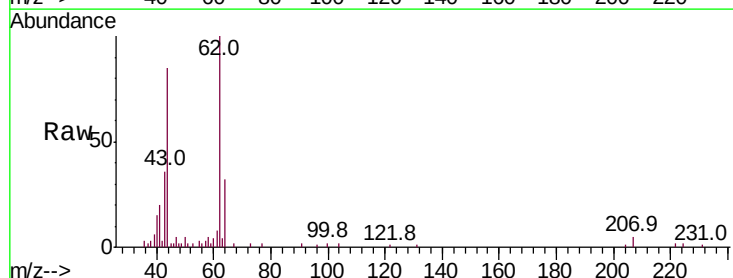
Acq: 26 Sep 2019 15:30

Tgt Ion: 62 Resp: 16284

Ion Ratio Lower Upper

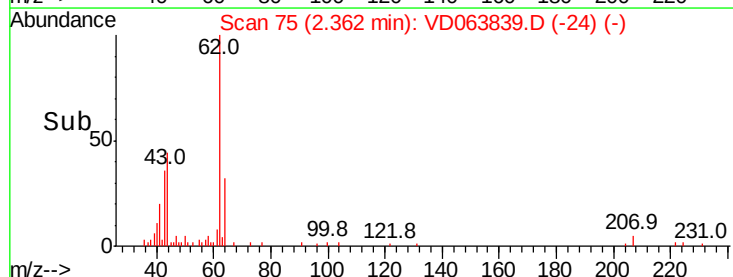
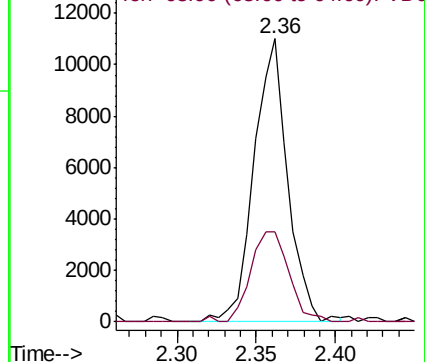
62 100

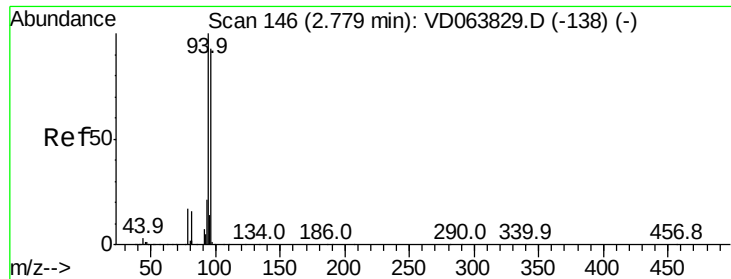
64 31.7 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.125 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

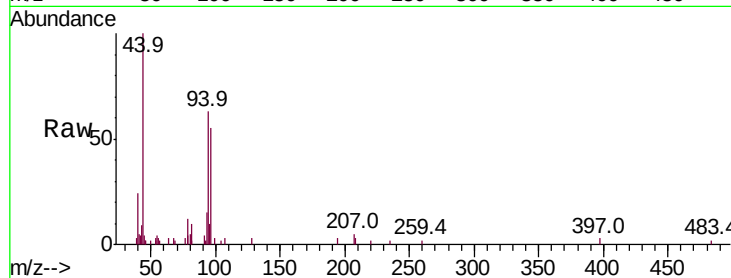
ClientSampleId :

Tot Ion: 94 Resp: 10557

Ion Ratio Lower Upper

94 100

96 81.4 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

6000

5000

4000

3000

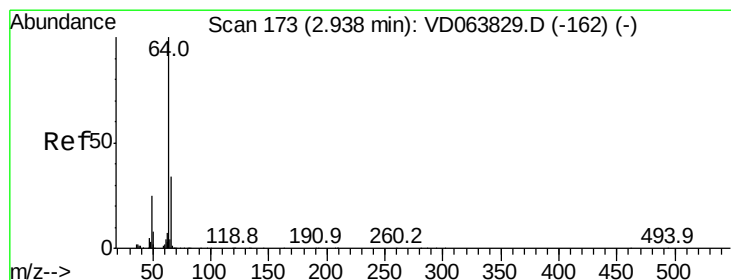
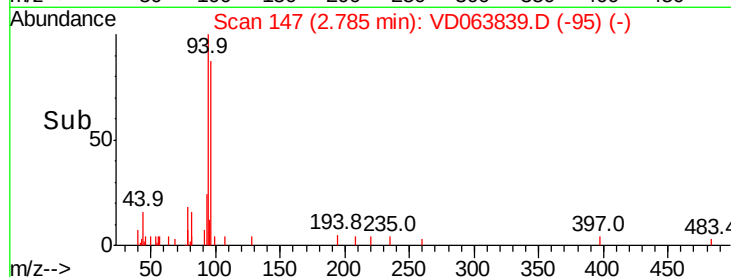
2000

1000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063839.D

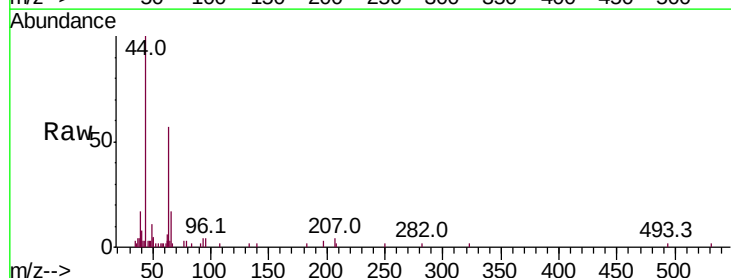
Acq: 26 Sep 2019 15:30

Tgt Ion: 64 Resp: 10639

Ion Ratio Lower Upper

64 100

66 29.0 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

6000

5000

4000

3000

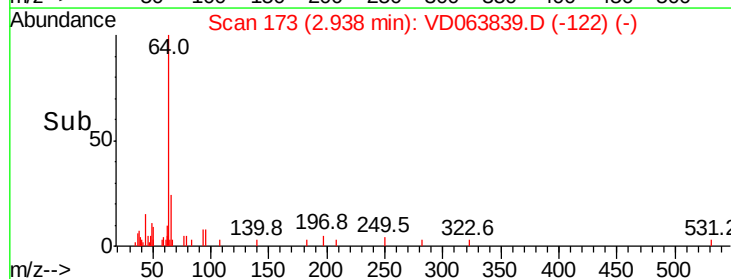
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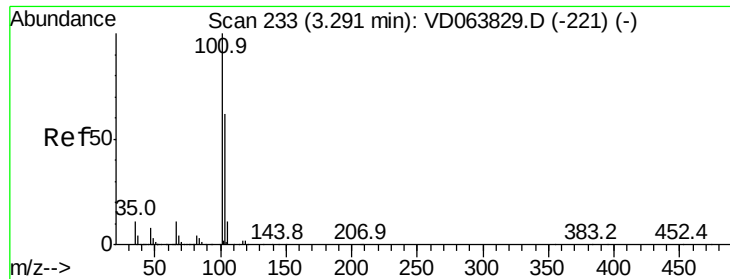
1000

0

2.85 2.90 2.95 3.00

Time-->



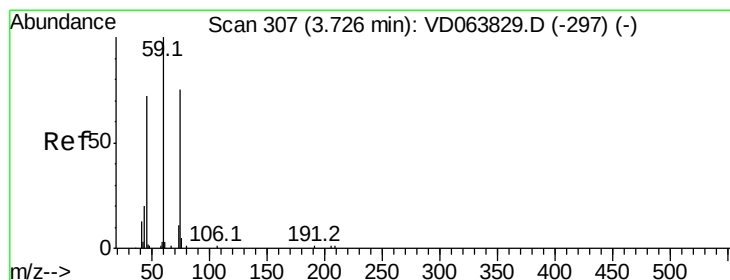
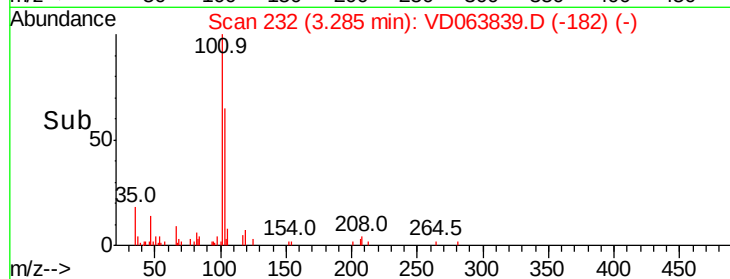
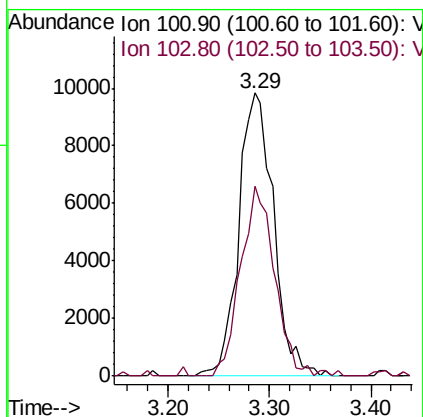
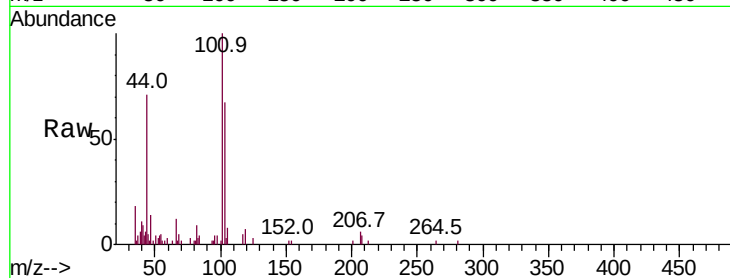


#7

Trichlorofluoromethane
Concen: 3.978 ug/l
RT: 3.29 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

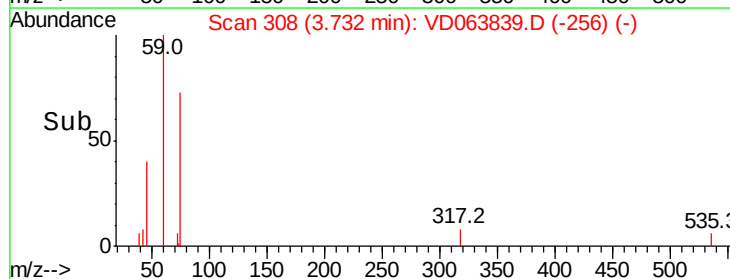
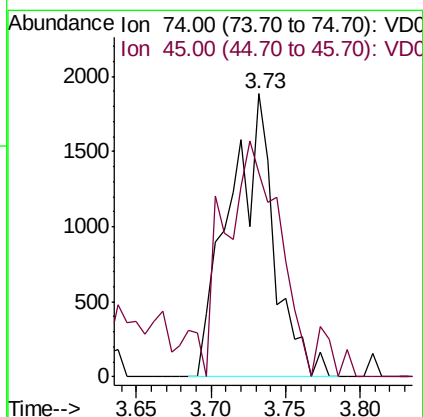
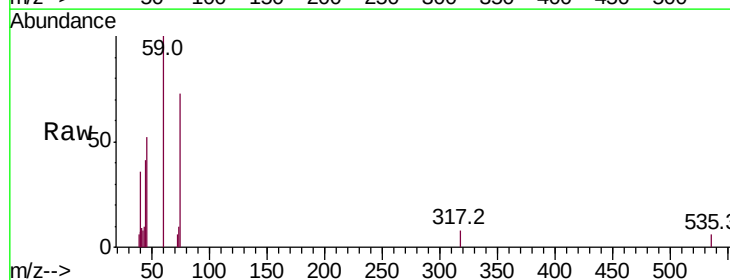
Tot Ion:101 Resp: 23394
Ion Ratio Lower Upper
101 100
103 67.1 49.8 74.8

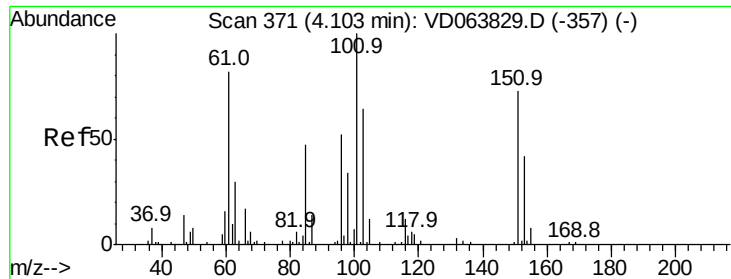


#8

Diethyl Ether
Concen: 2.220 ug/l
RT: 3.73 min Scan# 308
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 74 Resp: 3924
Ion Ratio Lower Upper
74 100
45 99.8 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.787 ug/l

RT: 4.11 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

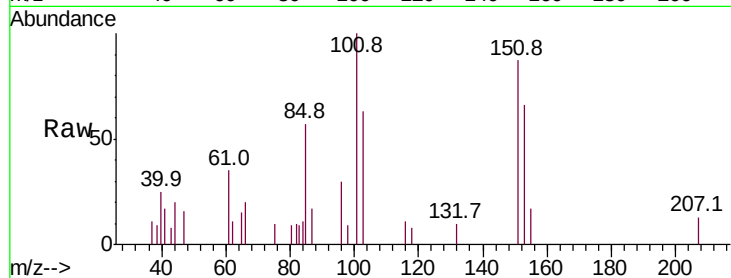
Tot Ion:101 Resp: 6606

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

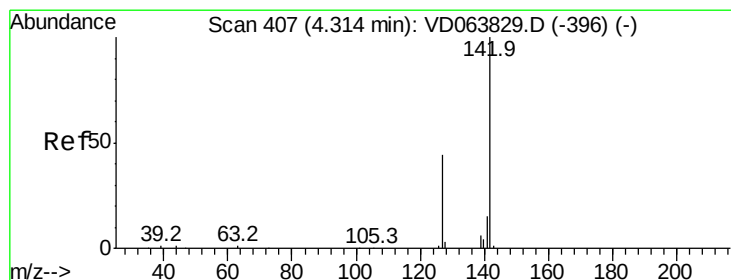
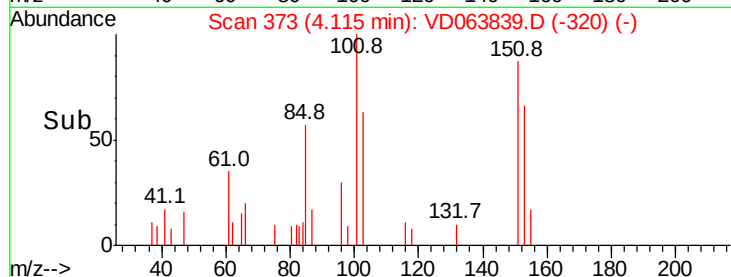
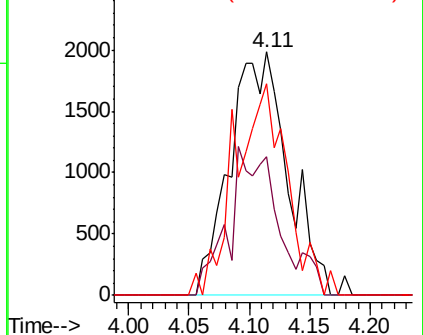
151 78.7 64.2 96.2



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: 3.697 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

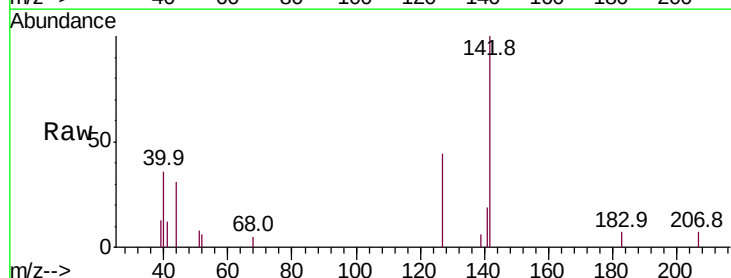
Tgt Ion:142 Resp: 7701

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

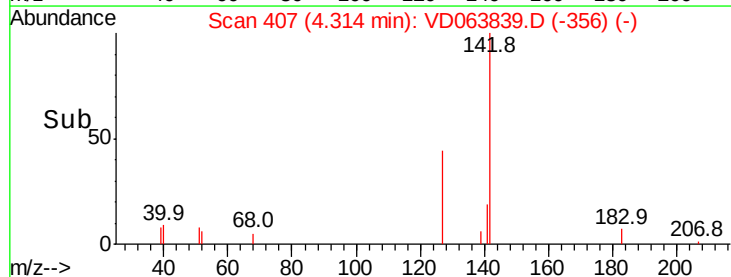
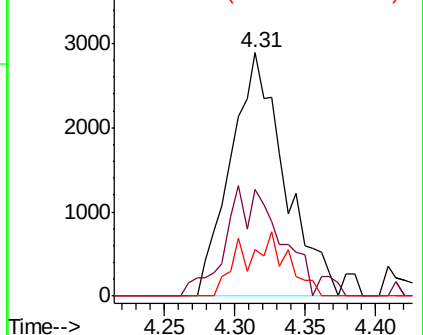
141 15.1 11.9 17.9

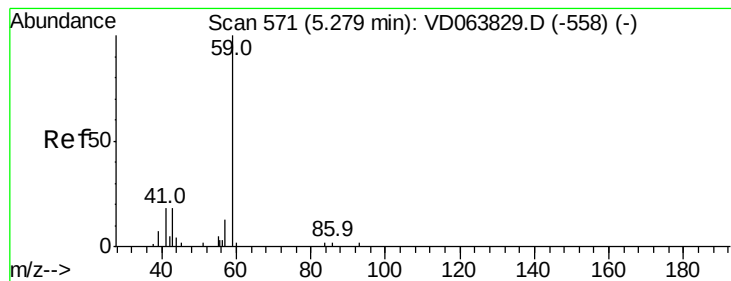


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



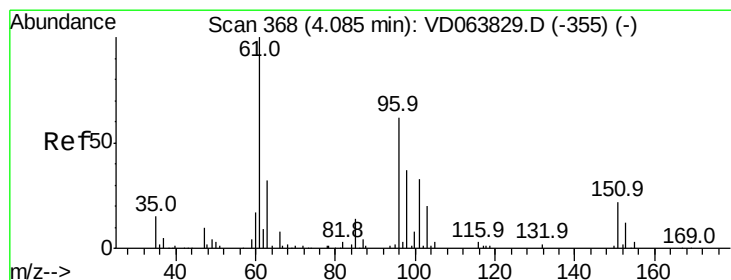
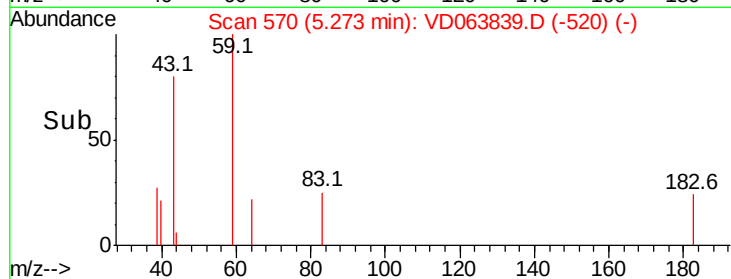
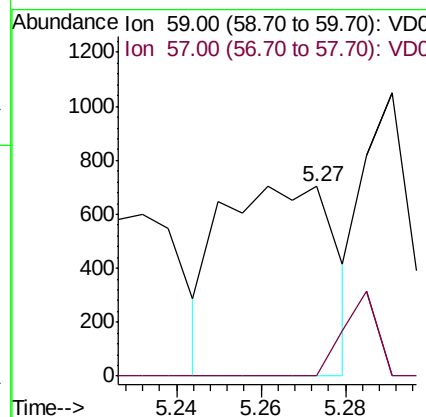
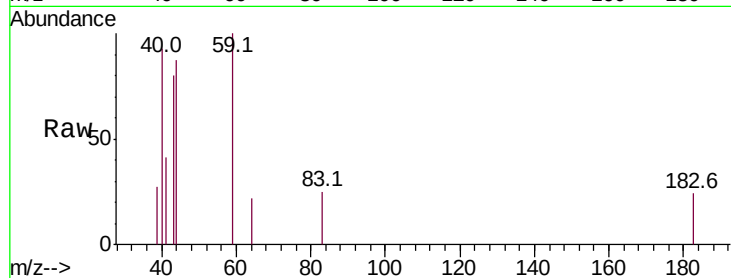


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Instrument :
 MSVOA_D
 ClientSampled :

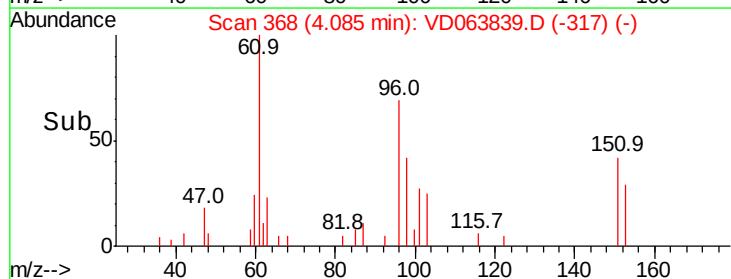
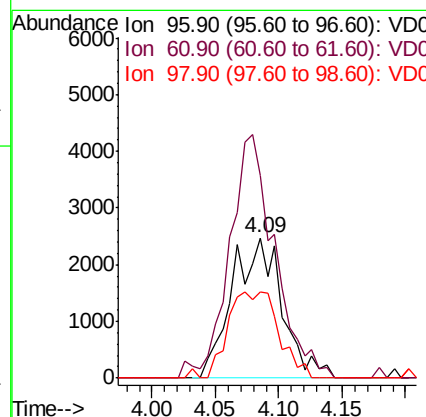
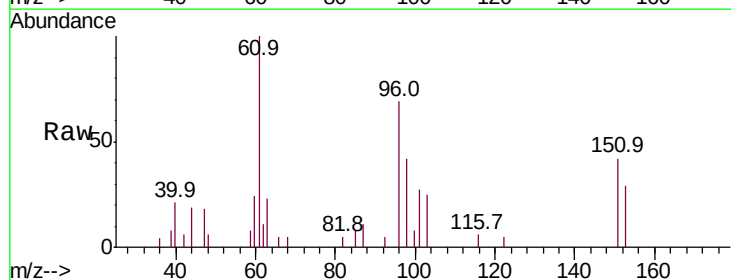
Tot Ion: 59 Resp: 1313
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

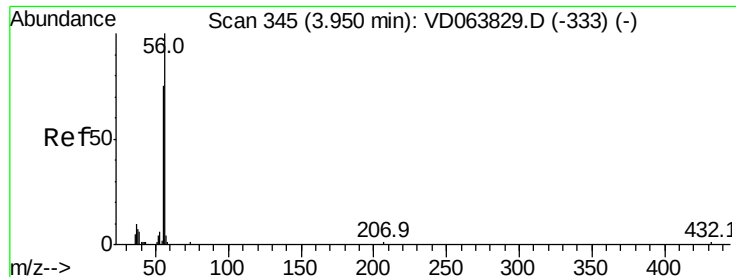


#12

1,1-Dichloroethene
 Concen: 3.844 ug/l
 RT: 4.09 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion: 96 Resp: 6770
 Ion Ratio Lower Upper
 96 100
 61 144.5 129.0 193.4
 98 60.9 47.8 71.6





#13

Acrolein

Concen: 17.007 ug/l

RT: 3.96 min Scan# 346

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

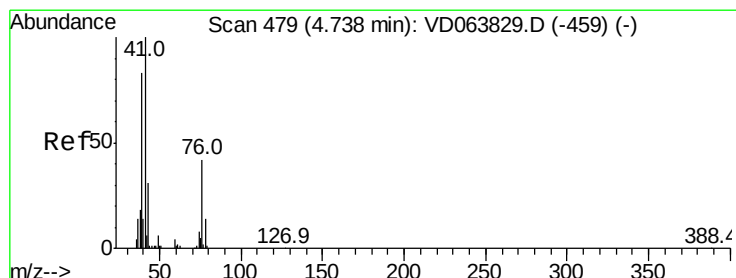
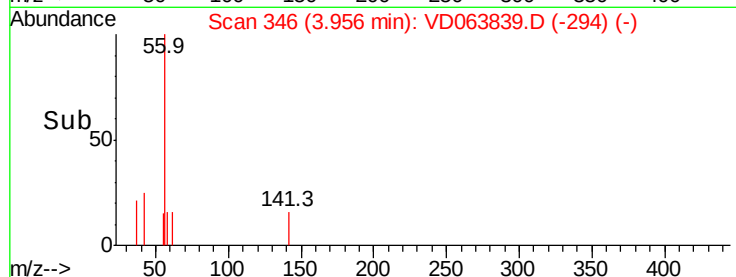
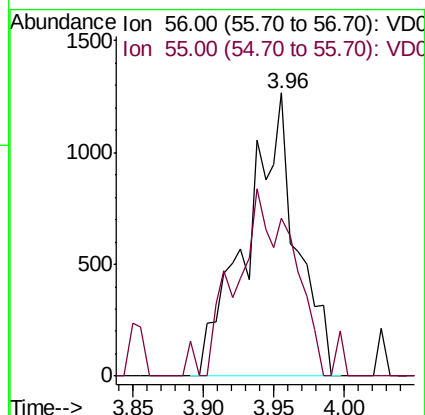
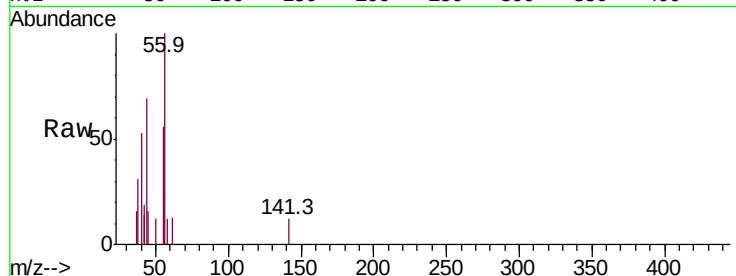
ClientSampleId :

Tot Ion: 56 Resp: 3133

Ion Ratio Lower Upper

56 100

55 47.1 55.0 82.6#



#14

Allyl chloride

Concen: 3.667 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

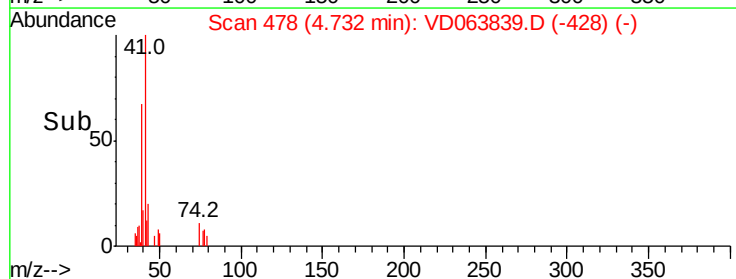
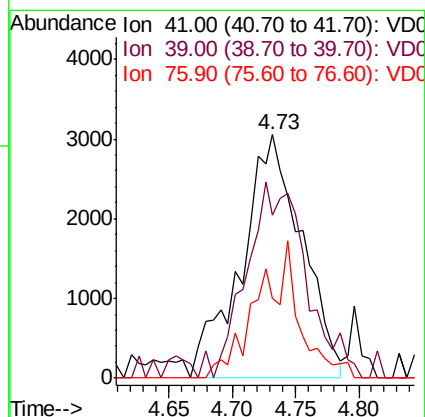
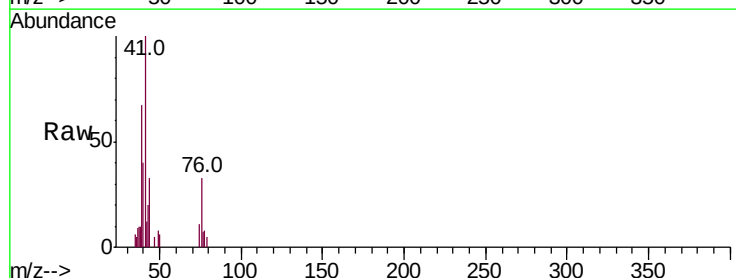
Tgt Ion: 41 Resp: 10206

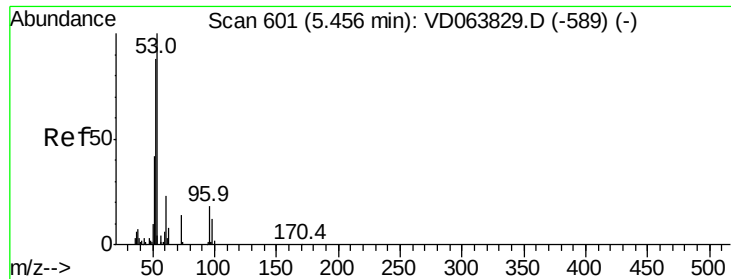
Ion Ratio Lower Upper

41 100

39 38.7 63.7 95.5#

76 22.9 33.5 50.3#





#15

Acrylonitrile

Concen: 18.604 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

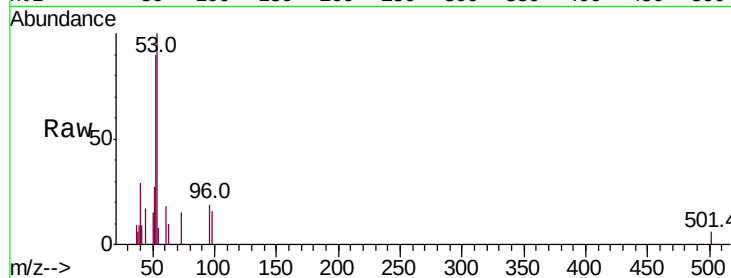
Tot Ion: 53 Resp: 7881

Ion Ratio Lower Upper

53 100

52 88.4 68.7 103.1

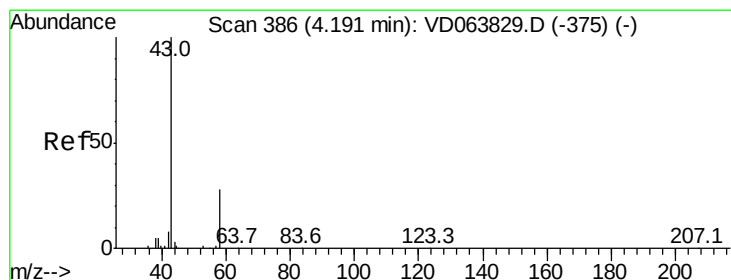
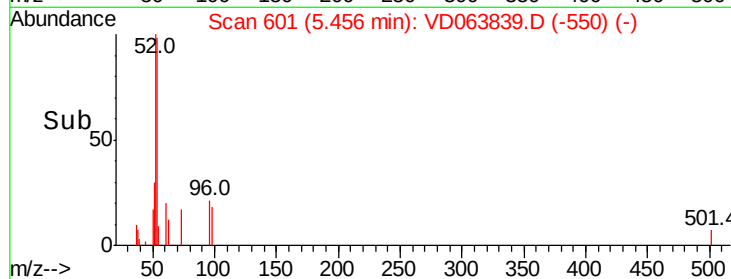
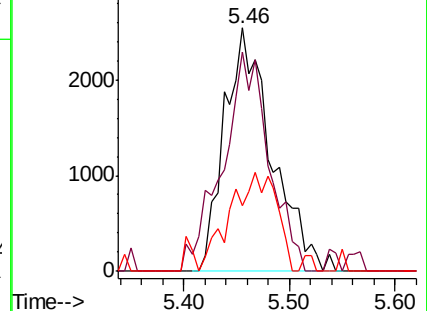
51 40.1 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 10.266 ug/l

RT: 4.20 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD063839.D

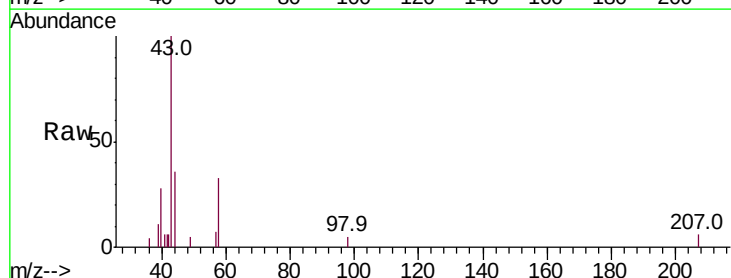
Acq: 26 Sep 2019 15:30

Tgt Ion: 43 Resp: 9183

Ion Ratio Lower Upper

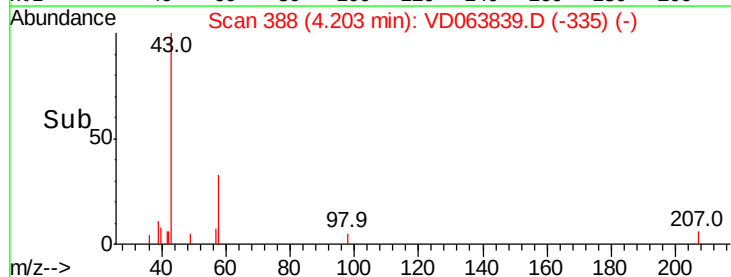
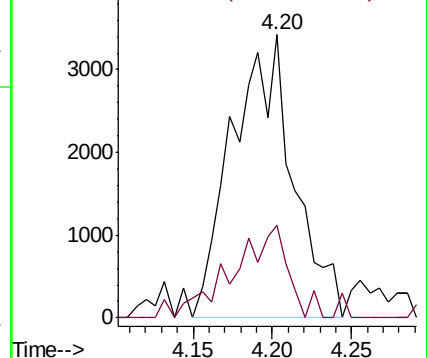
43 100

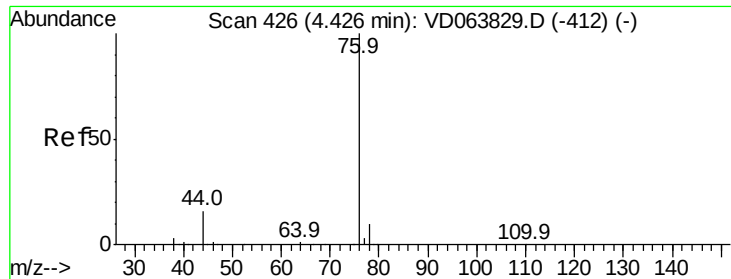
58 25.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 3.567 ug/l

RT: 4.42 min Scan# 425

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

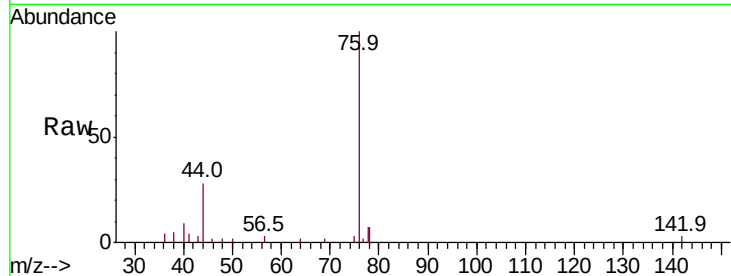
ClientSampleId :

Tot Ion: 76 Resp: 21235

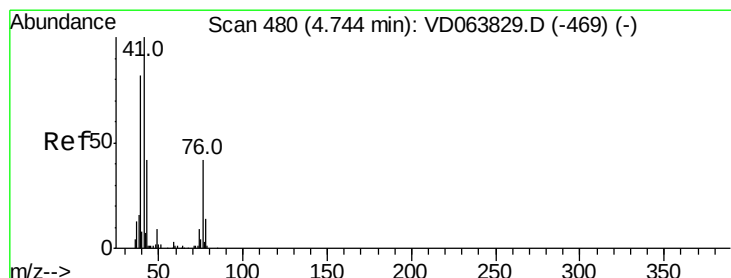
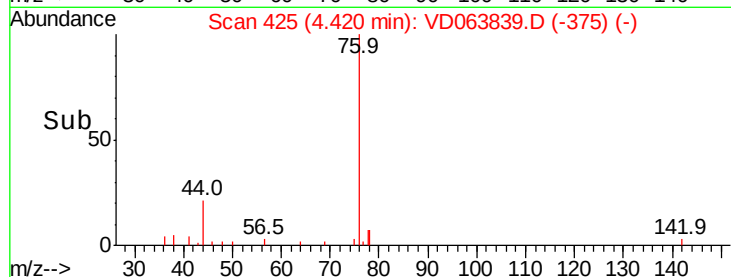
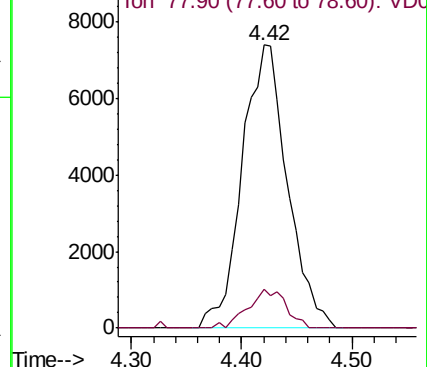
Ion Ratio Lower Upper

76 100

78 13.7 7.9 11.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC



#18

Methyl Acetate

Concen: 1.983 ug/l

RT: 4.76 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD063839.D

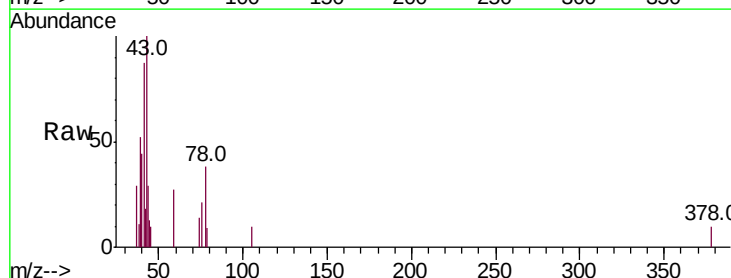
Acq: 26 Sep 2019 15:30

Tgt Ion: 43 Resp: 4692

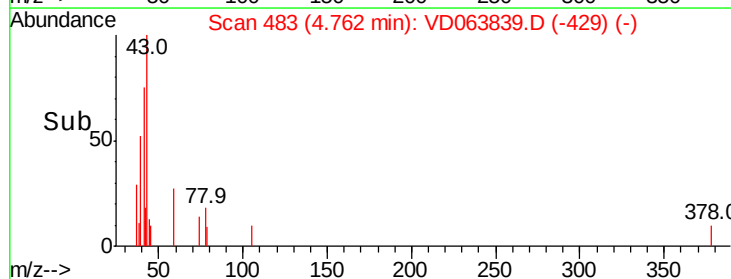
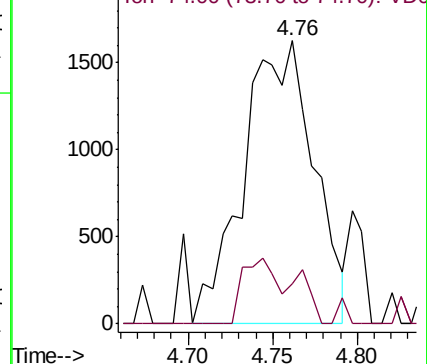
Ion Ratio Lower Upper

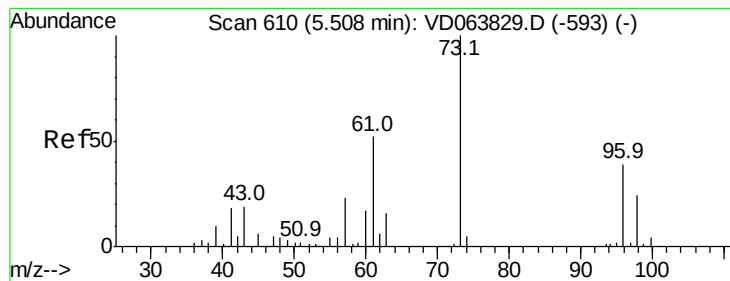
43 100

74 11.2 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC



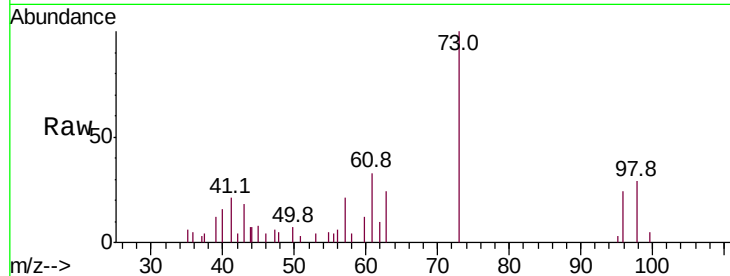


#19

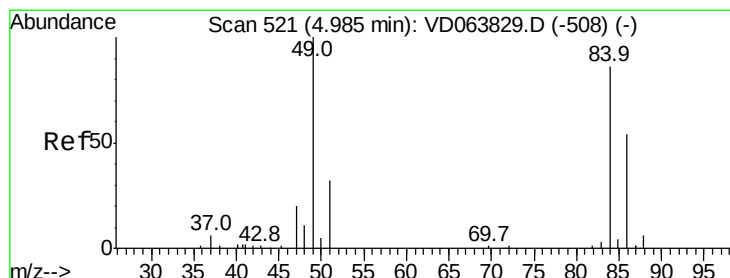
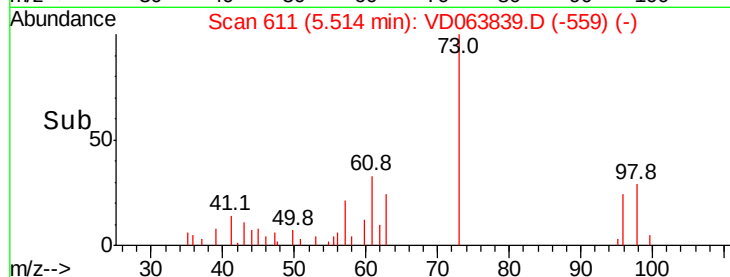
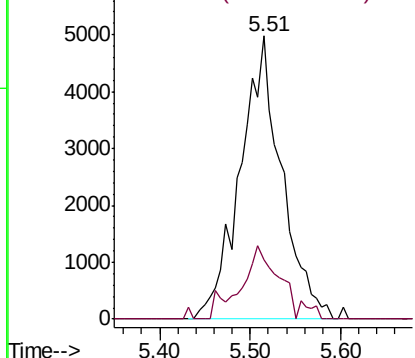
Methyl tert-butyl Ether
 Concen: 3.582 ug/l
 RT: 5.51 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 73 Resp: 15791
 Ion Ratio Lower Upper
 73 100
 57 21.0 18.7 28.1



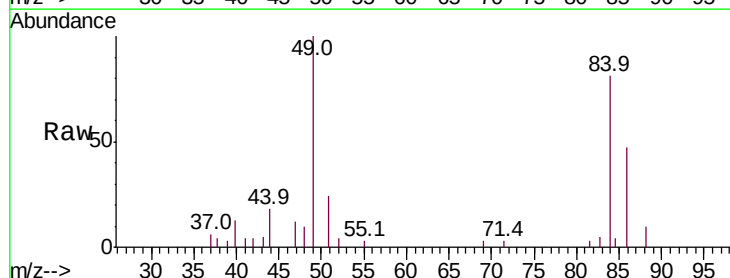
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



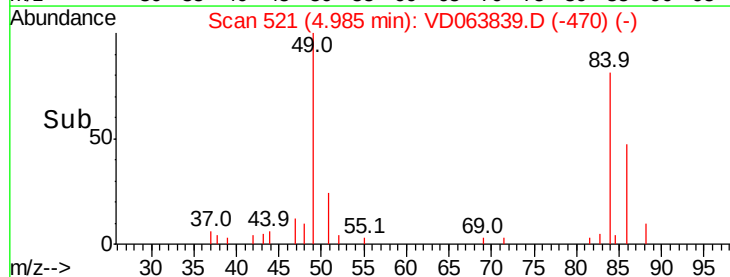
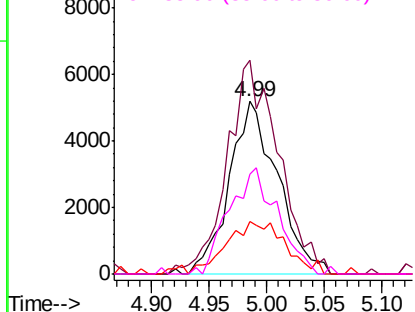
#20

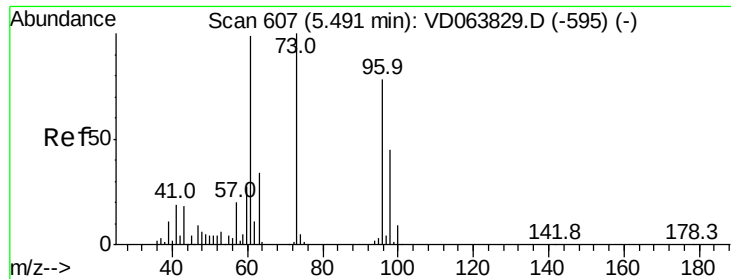
Methylene Chloride
 Concen: 2.296 ug/l
 RT: 4.99 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion: 84 Resp: 15134
 Ion Ratio Lower Upper
 84 100
 49 117.6 93.6 140.4
 51 28.7 29.8 44.6#
 86 54.7 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 3.806 ug/l

RT: 5.51 min Scan# 610

Delta R.T. 0.02 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

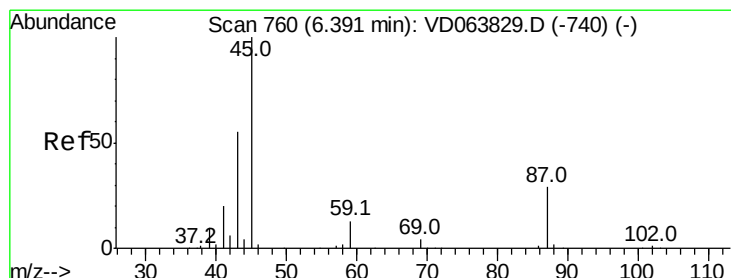
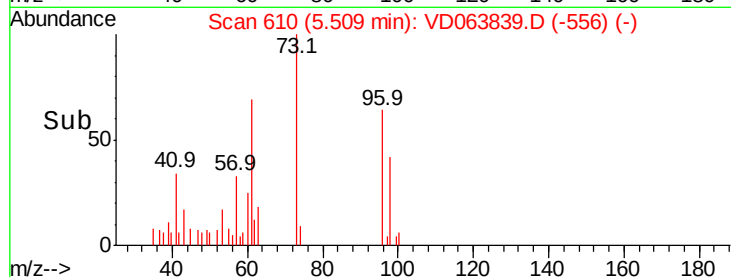
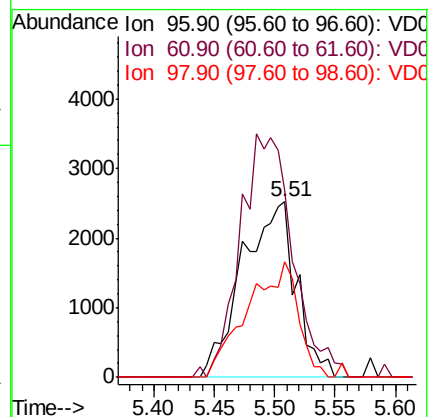
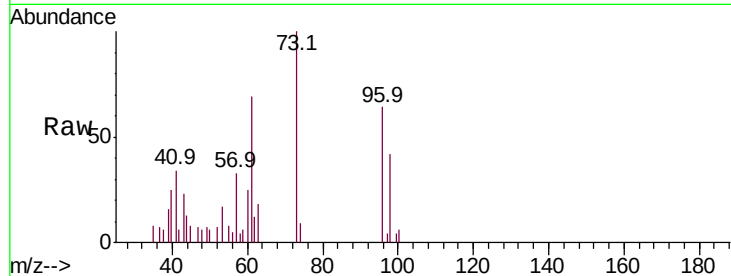
Tot Ion: 96 Resp: 7801

Ion Ratio Lower Upper

96 100

61 106.8 101.3 151.9

98 65.7 45.4 68.2



#22

Diisopropyl ether

Concen: 3.797 ug/l

RT: 6.39 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Tgt Ion: 45 Resp: 21830

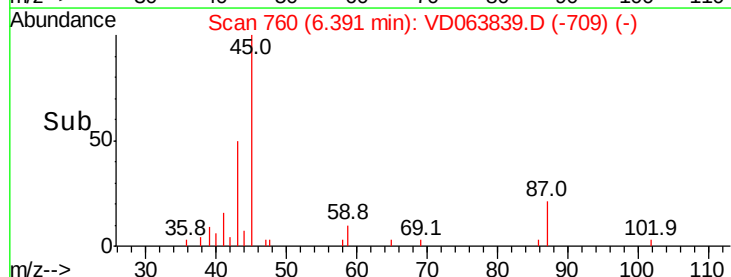
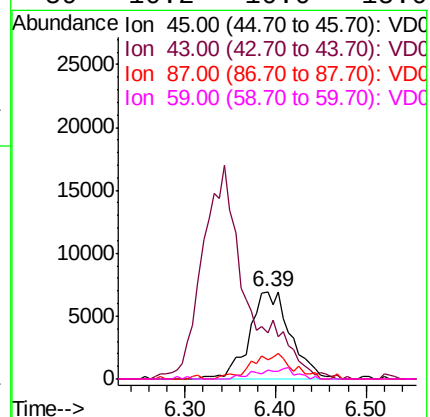
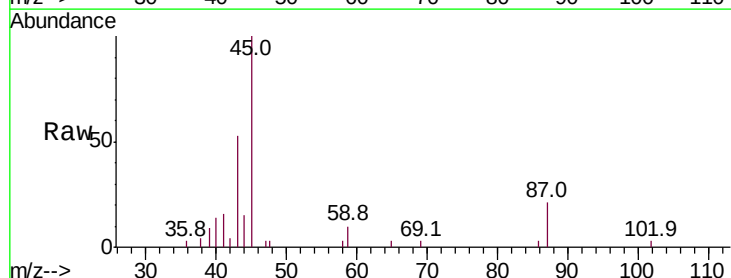
Ion Ratio Lower Upper

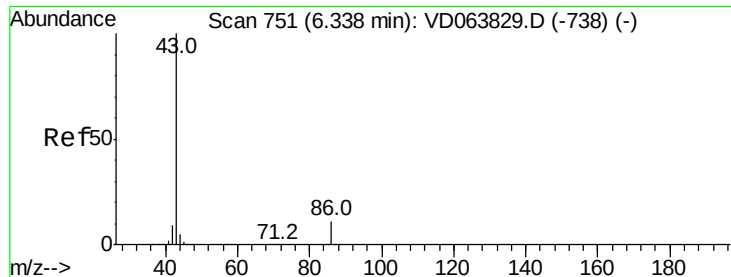
45 100

43 52.8 44.2 66.2

87 21.5 23.9 35.9#

59 10.2 10.0 15.0





#23

Vinyl Acetate

Concen: 14.936 ug/l

RT: 6.34 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

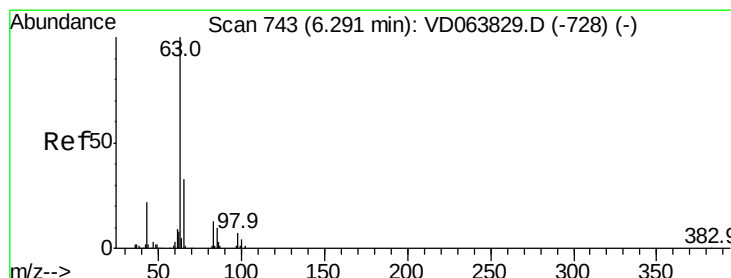
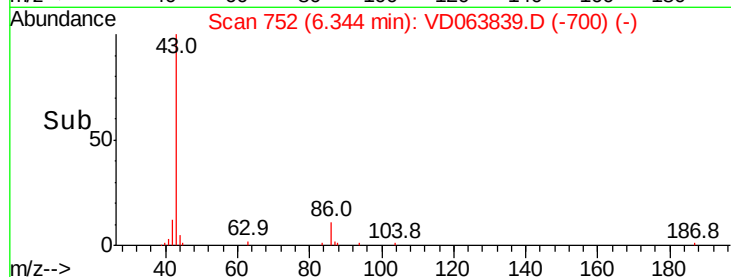
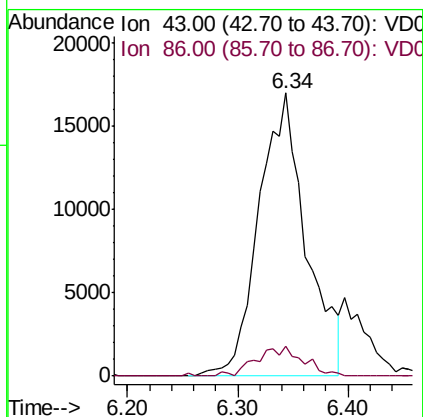
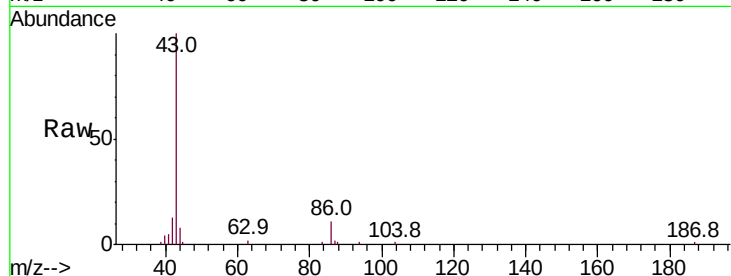
ClientSampleId :

Tot Ion: 43 Resp: 50787

Ion Ratio Lower Upper

43 100

86 9.6 8.8 13.2



#24

1,1-Dichloroethane

Concen: 3.614 ug/l

RT: 6.28 min Scan# 742

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

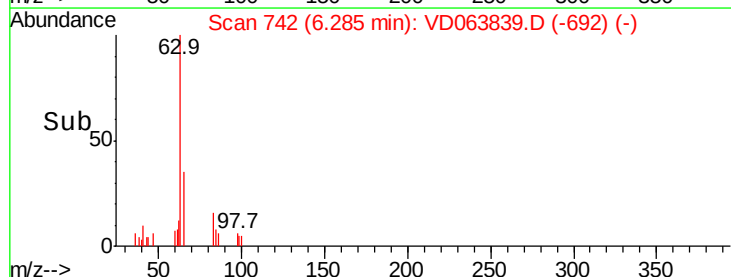
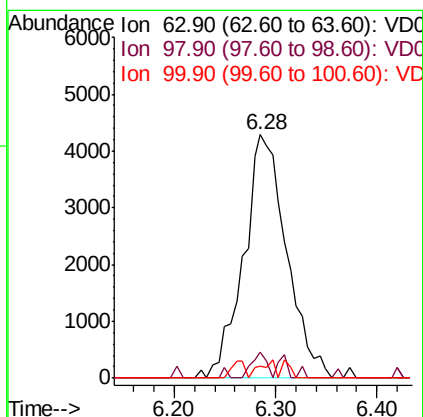
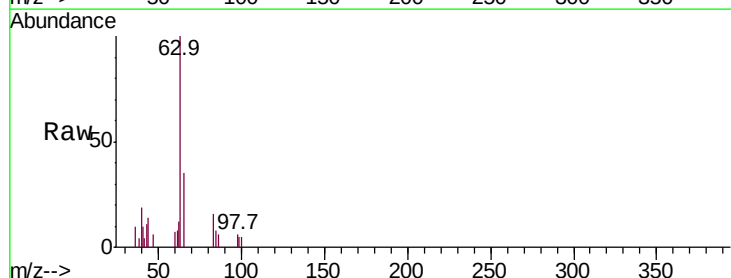
Tgt Ion: 63 Resp: 12624

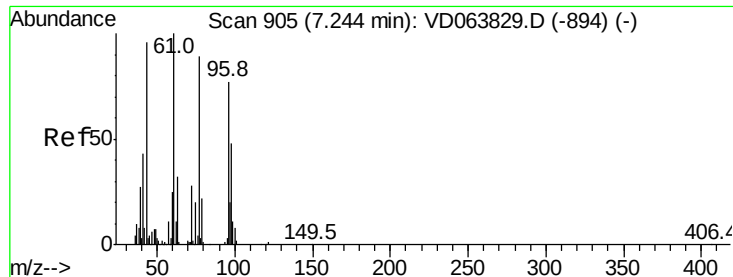
Ion Ratio Lower Upper

63 100

98 10.9 3.5 10.5#

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 19.509 ug/l

RT: 7.25 min Scan# 906

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

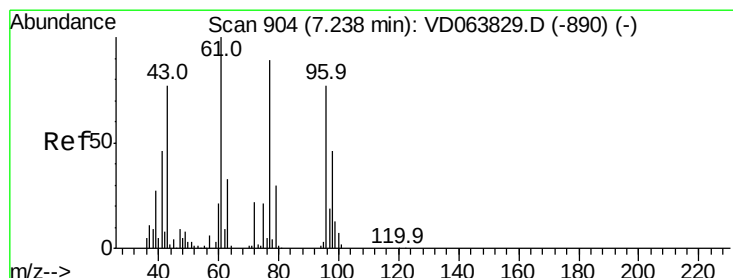
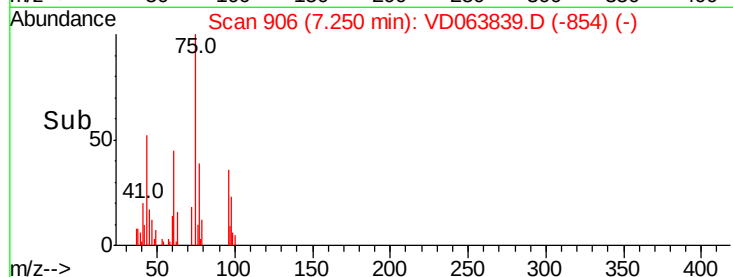
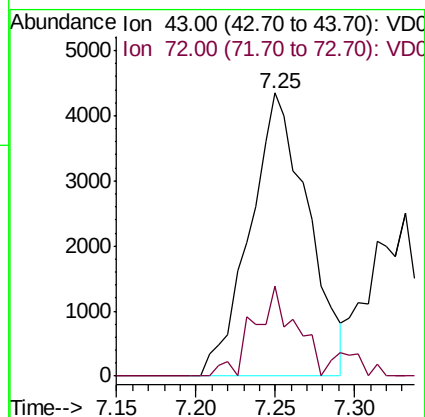
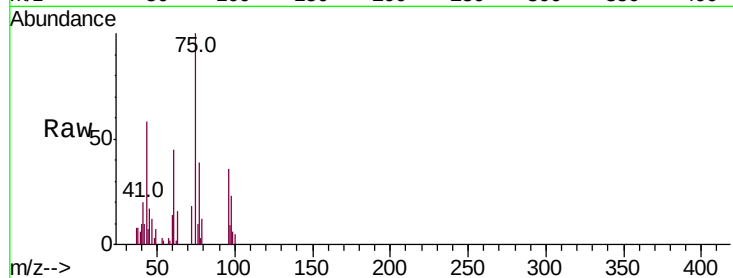
ClientSampled :

Tot Ion: 43 Resp: 11117

Ion Ratio Lower Upper

43 100

72 31.7 23.5 35.3



#26

2,2-Dichloropropane

Concen: 3.655 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063839.D

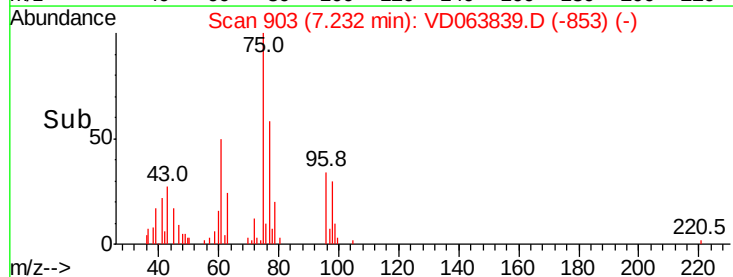
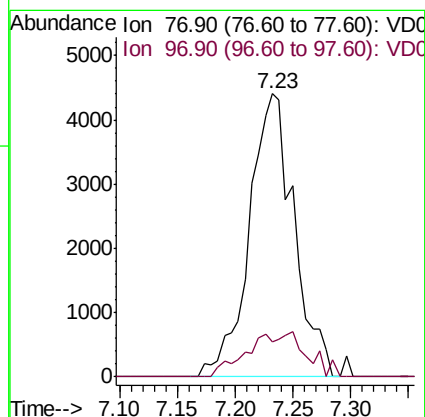
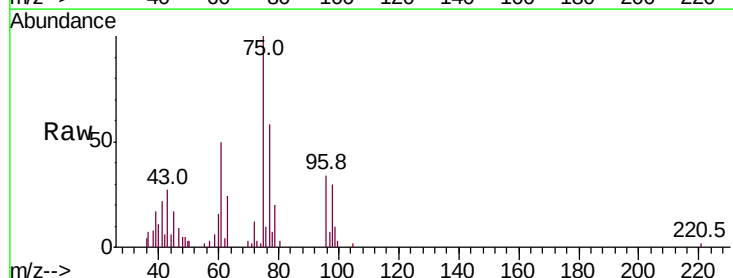
Acq: 26 Sep 2019 15:30

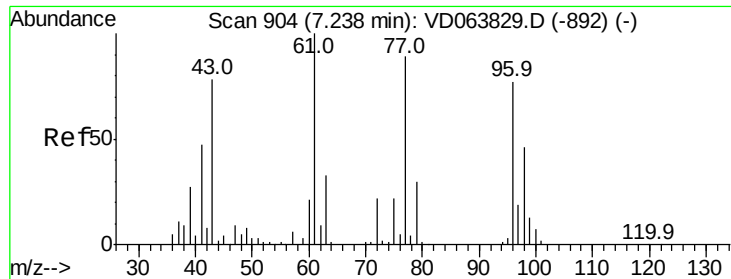
Tgt Ion: 77 Resp: 11939

Ion Ratio Lower Upper

77 100

97 10.2 10.9 32.7#



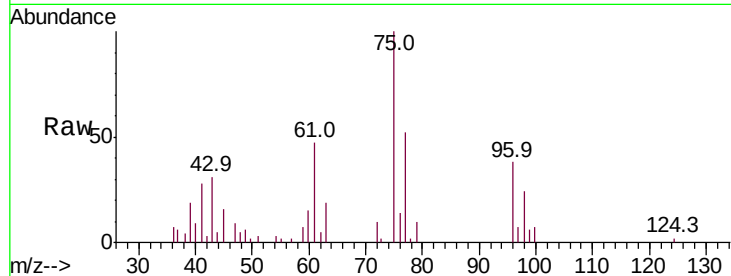


#27

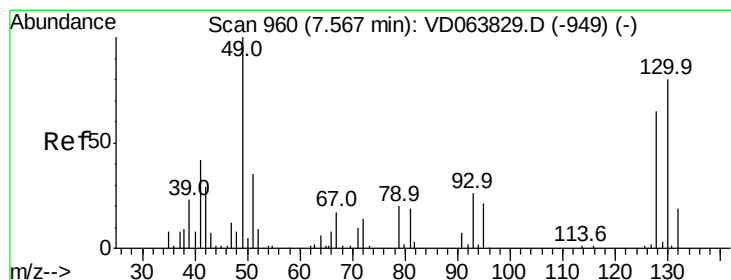
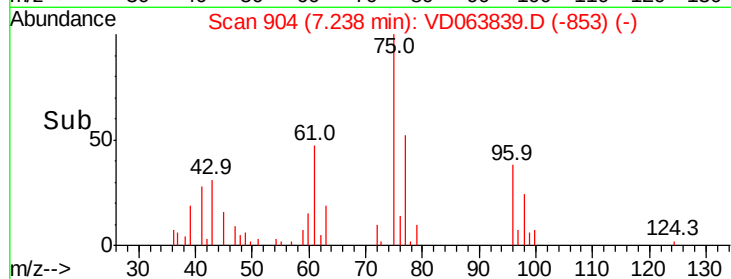
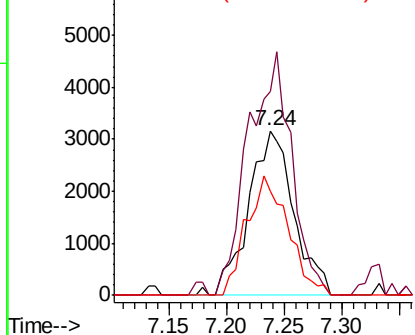
cis-1,2-Dichloroethene
Concen: 3.757 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 8641
Ion Ratio Lower Upper
96 100
61 142.0 0.0 275.6
98 66.7 0.0 130.2



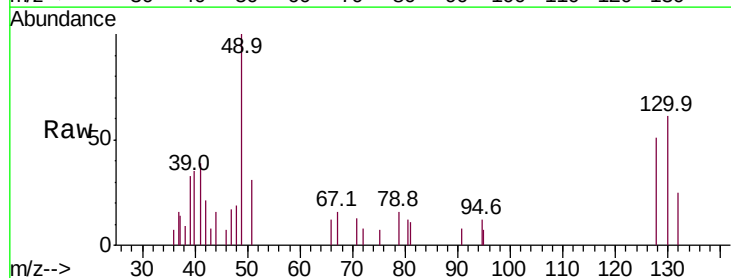
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



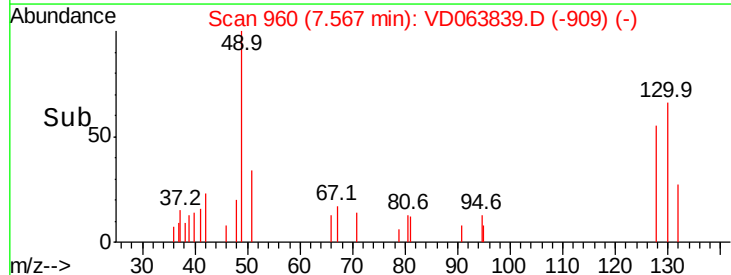
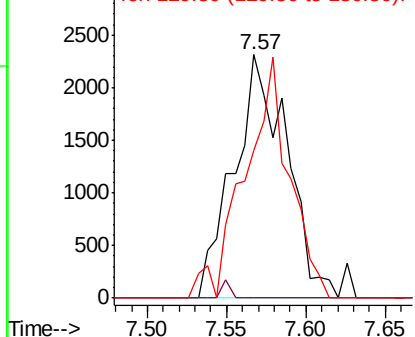
#28

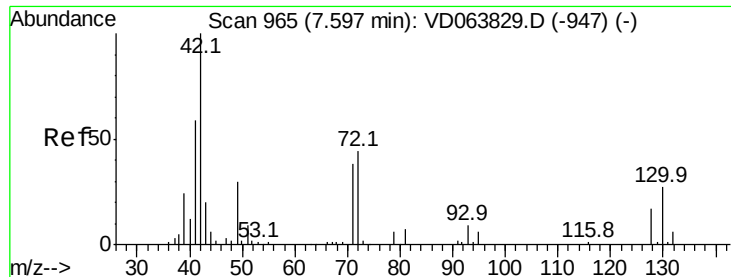
Bromochloromethane
Concen: 3.914 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 49 Resp: 5364
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.6
130 83.4 67.0 100.4



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

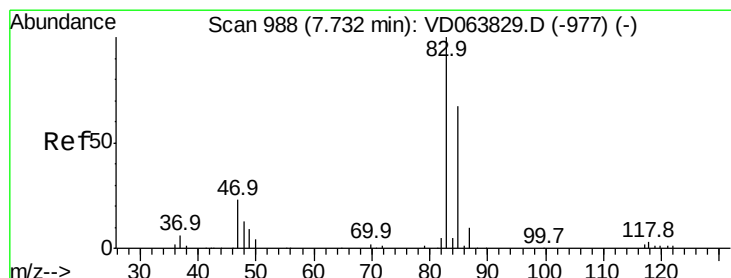
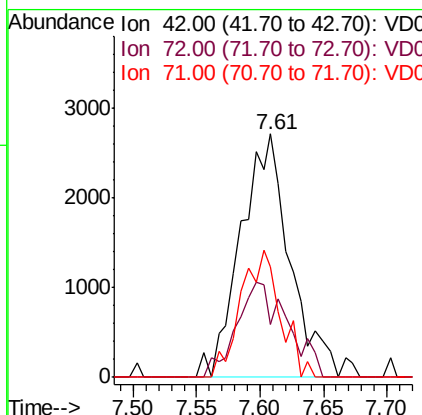
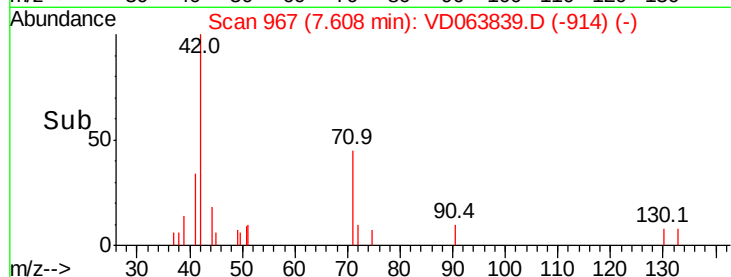
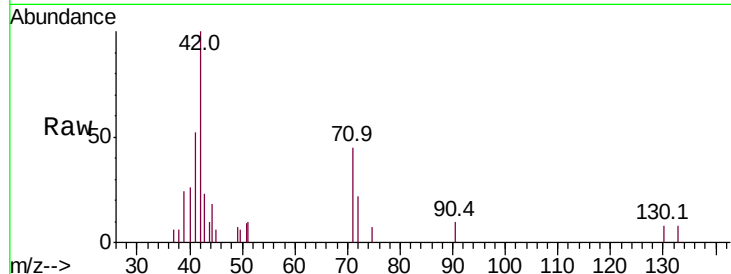




#29
Tetrahydrofuran
Concen: 21.433 ug/l
RT: 7.61 min Scan# 967
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

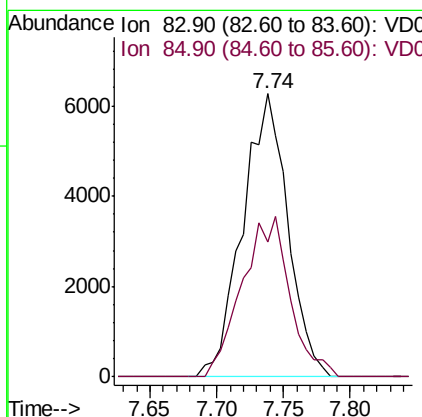
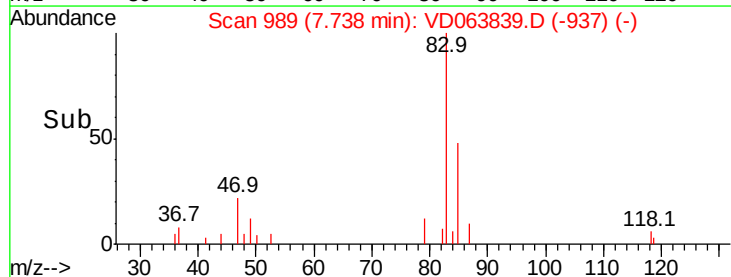
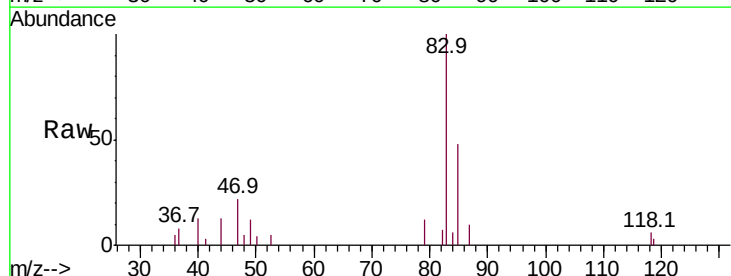
Instrument :
MSVOA_D
ClientSampled :

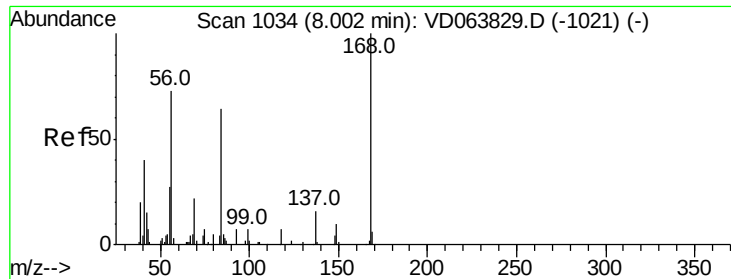
Tot Ion: 42 Resp: 7318
Ion Ratio Lower Upper
42 100
72 40.4 37.3 55.9
71 42.1 33.4 50.2



#30
Chloroform
Concen: 3.877 ug/l
RT: 7.74 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 83 Resp: 14710
Ion Ratio Lower Upper
83 100
85 47.8 53.4 80.2#

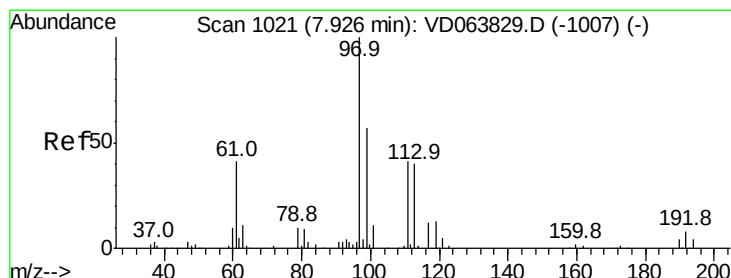
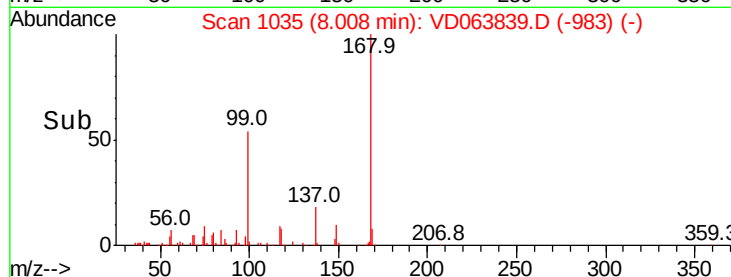
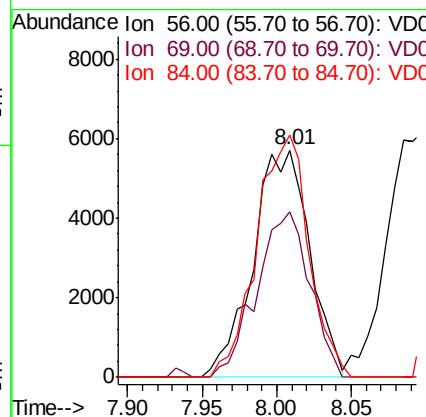
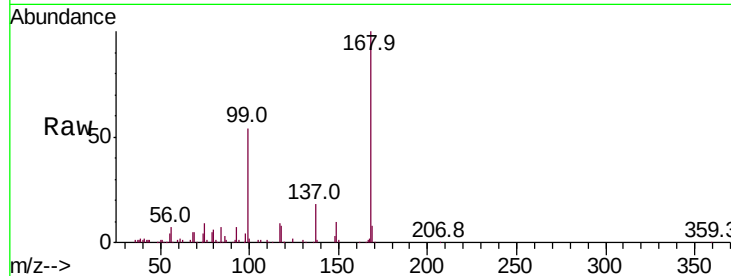




#31
Cyclohexane
Concen: 0.646 ug/l
RT: 8.01 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

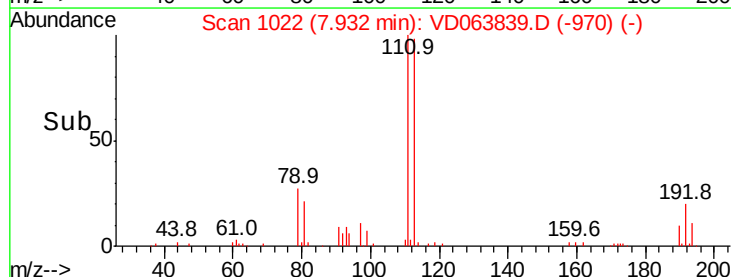
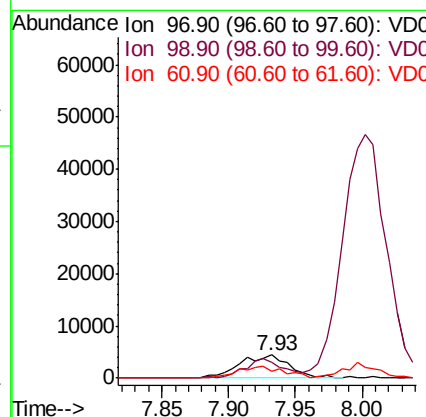
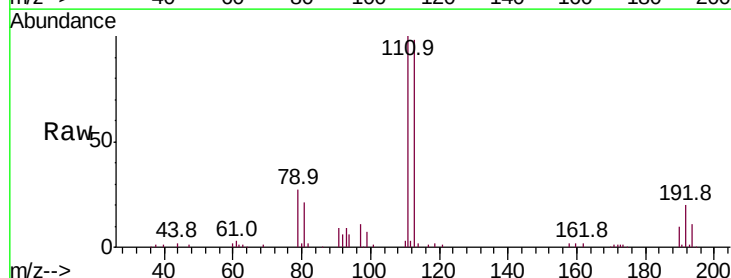
Instrument :
MSVOA_D
ClientSampleId :

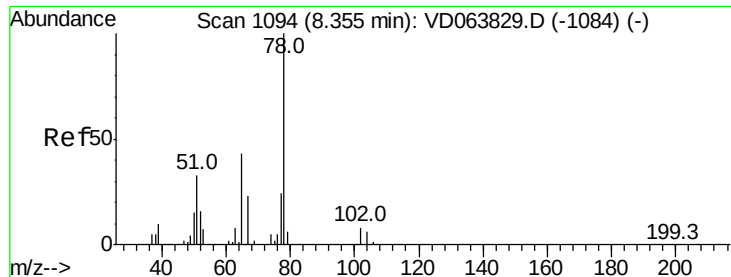
Tot Ion: 56 Resp: 15092
Ion Ratio Lower Upper
56 100
69 73.0 23.1 34.7#
84 106.7 69.7 104.5#



#32
1,1,1-Trichloroethane
Concen: 3.313 ug/l
RT: 7.93 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 97 Resp: 11366
Ion Ratio Lower Upper
97 100
99 64.9 52.9 79.3
61 46.9 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 59.315 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

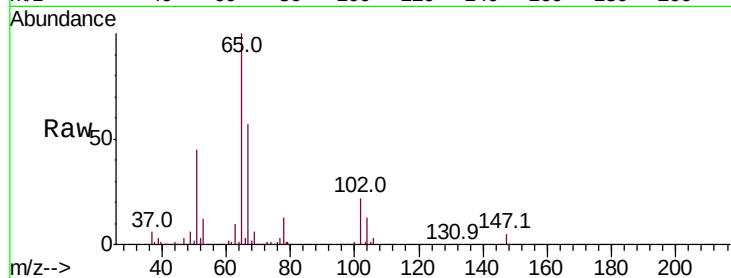
ClientSampleId :

Tot Ion: 65 Resp: 115180

Ion Ratio Lower Upper

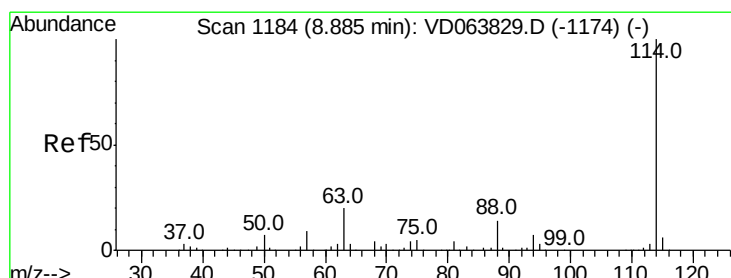
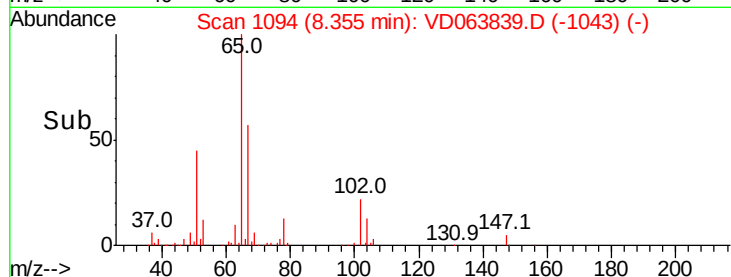
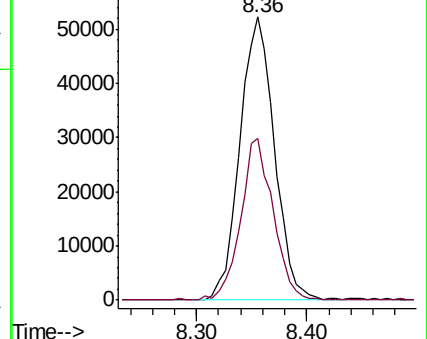
65 100

67 53.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

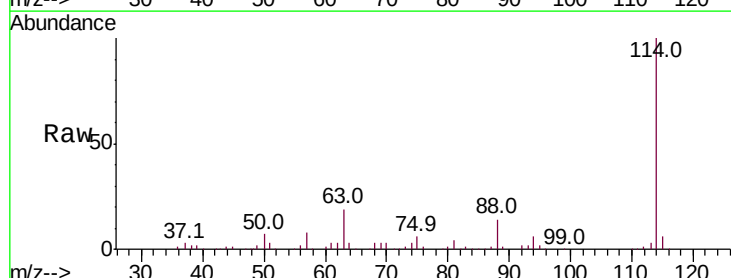
Tgt Ion: 114 Resp: 337421

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

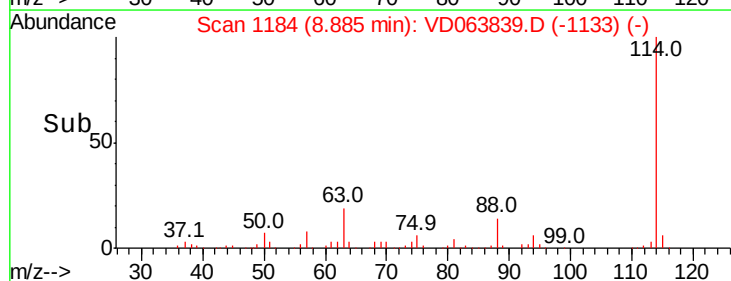
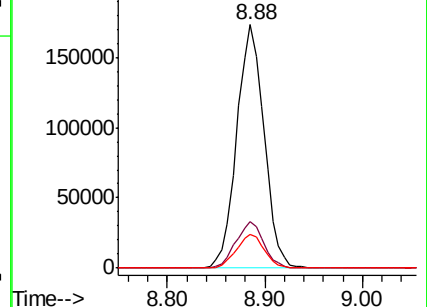
88 13.8 0.0 28.4

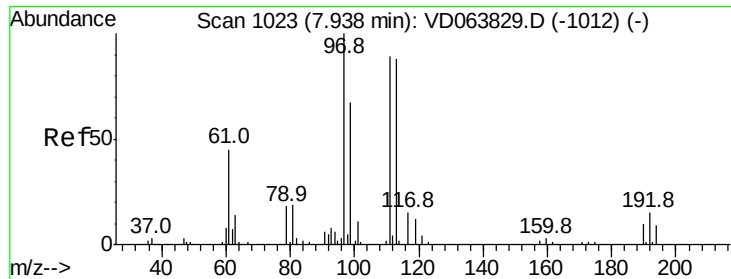


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

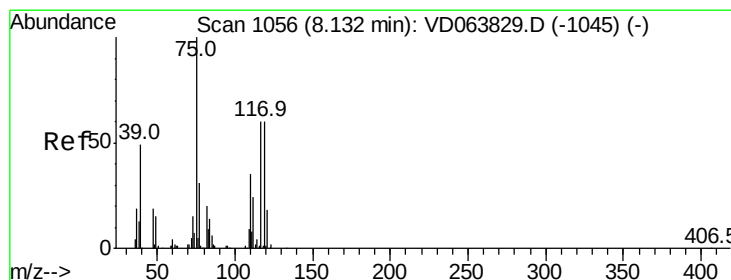
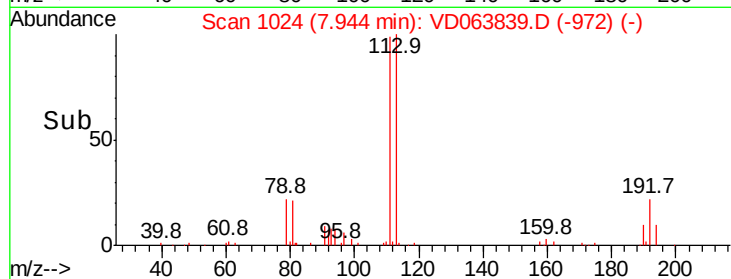
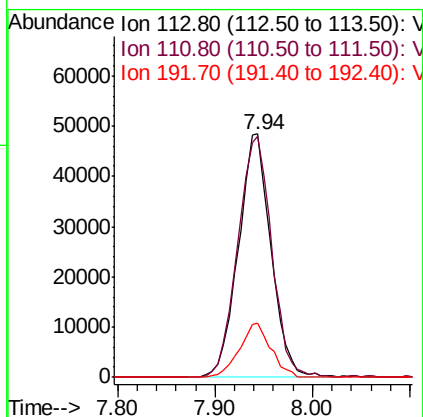
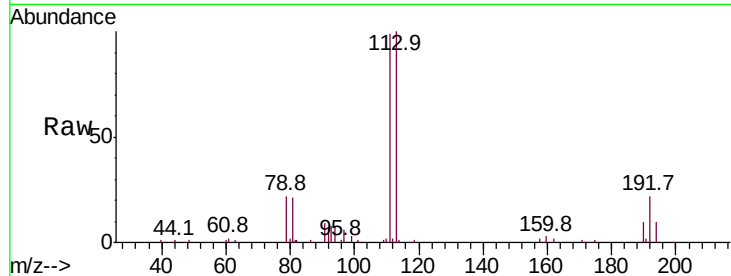




#35
 Dibromofluoromethane
 Concen: 52.988 ug/l
 RT: 7.94 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

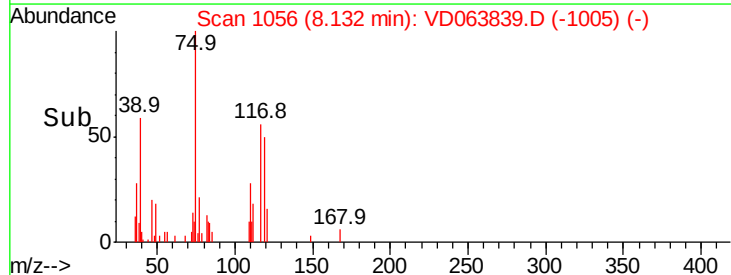
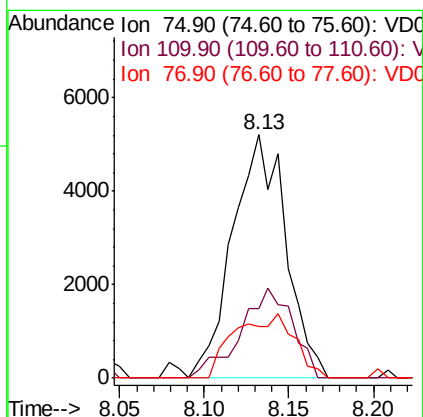
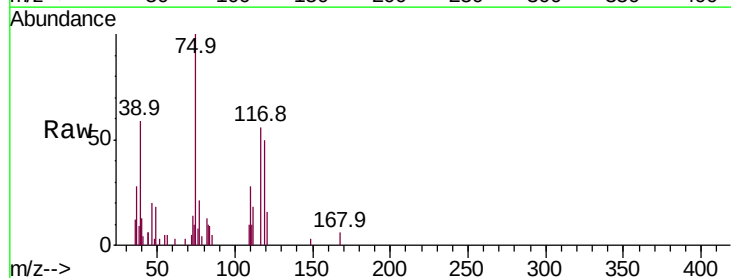
Instrument :
 MSVOA_D
 ClientSampled :

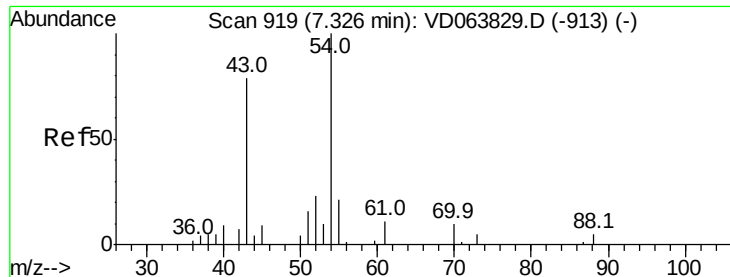
Tot Ion:113 Resp: 113499
 Ion Ratio Lower Upper
 113 100
 111 102.8 77.7 116.5
 192 21.2 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 3.704 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion: 75 Resp: 11400
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.5 52.5
 77 29.6 24.9 37.3

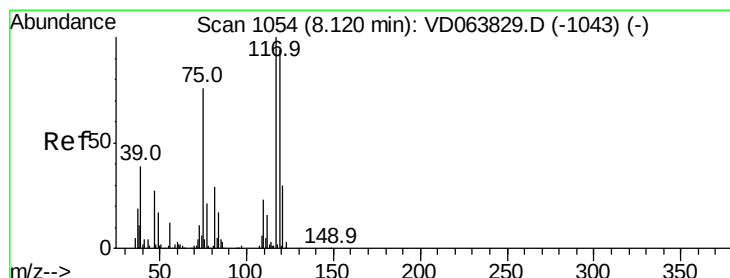
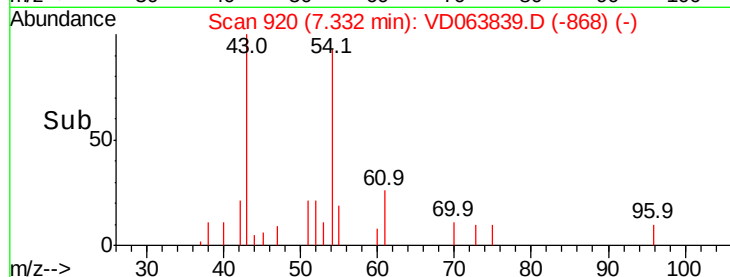
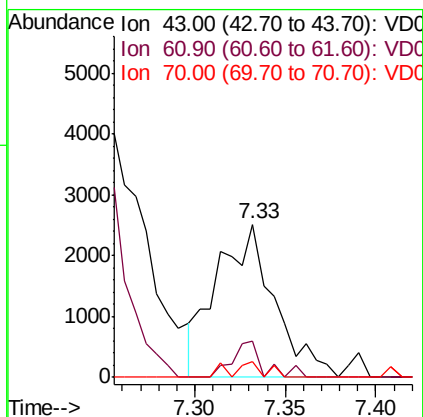
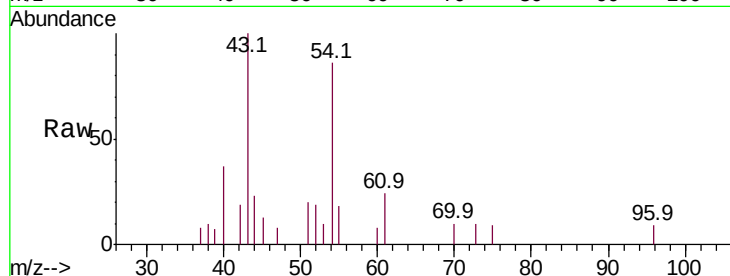




#37
Ethyl Acetate
Concen: 2.227 ug/l
RT: 7.33 min Scan# 920
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

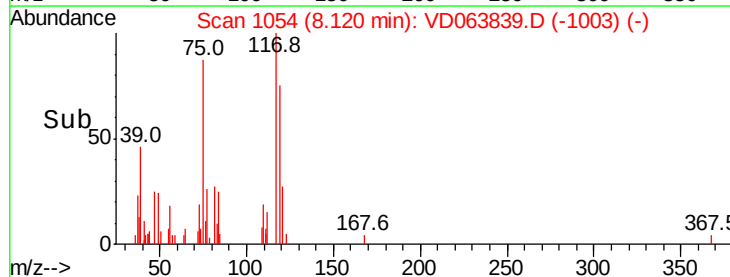
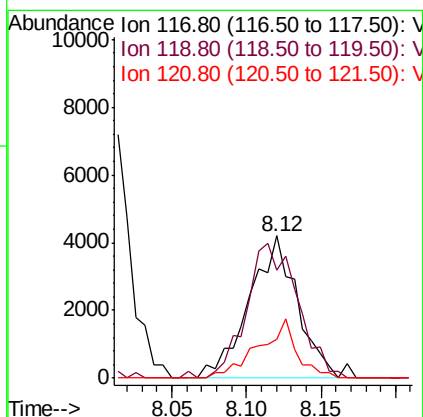
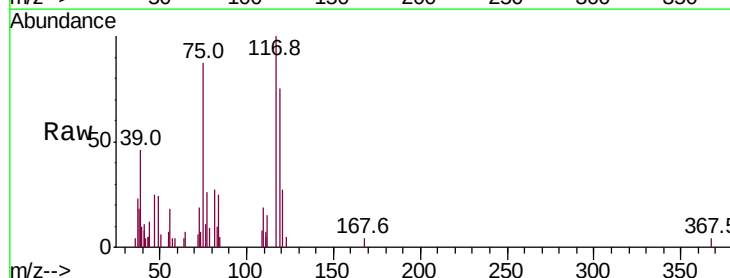
Instrument :
MSVOA_D
ClientSampled :

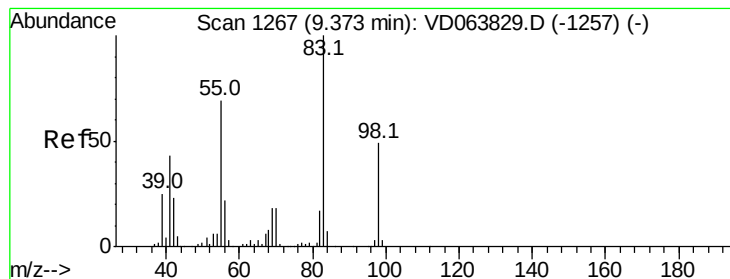
Tot Ion: 43 Resp: 5562
Ion Ratio Lower Upper
43 100
61 12.6 12.7 19.1#
70 4.1 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 2.920 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 117 Resp: 9353
Ion Ratio Lower Upper
117 100
119 70.9 75.2 112.8#
121 27.1 23.9 35.9





#39

Methylvlcyclohexane

Concen: 3.543 ug/l

RT: 9.37 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

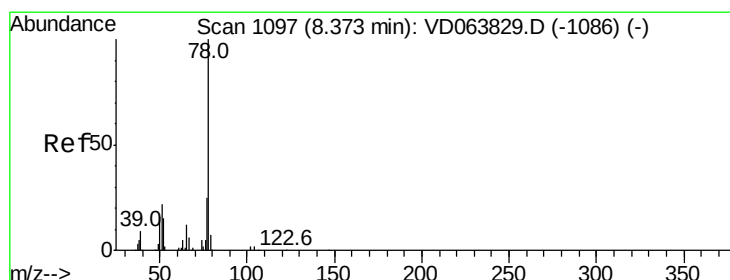
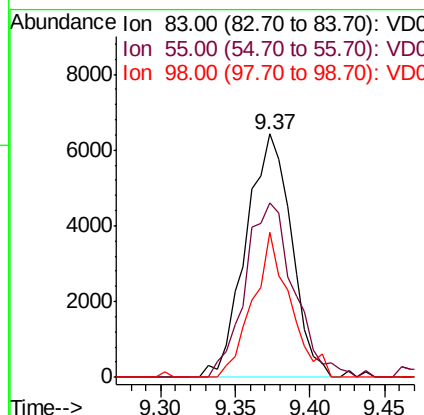
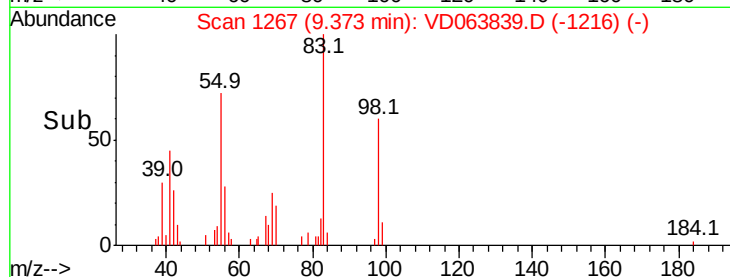
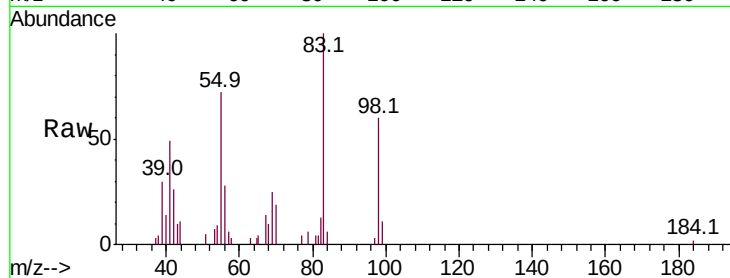
Tot Ion: 83 Resp: 13577

Ion Ratio Lower Upper

83 100

55 71.7 54.9 82.3

98 59.8 39.0 58.6#



#40

Benzene

Concen: 3.518 ug/l

RT: 8.37 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VD063839.D

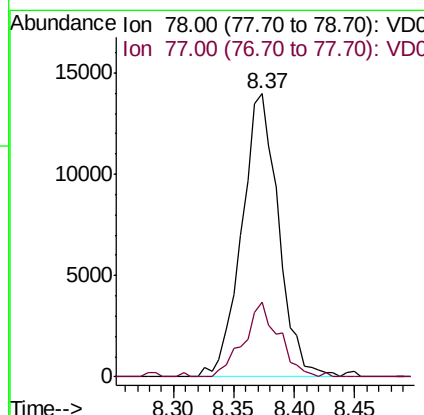
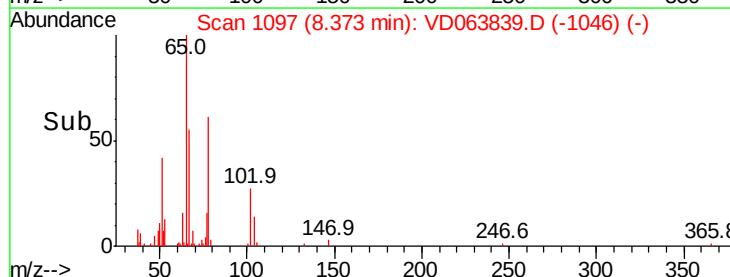
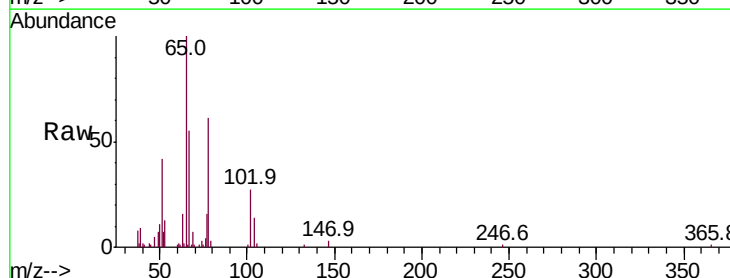
Acq: 26 Sep 2019 15:30

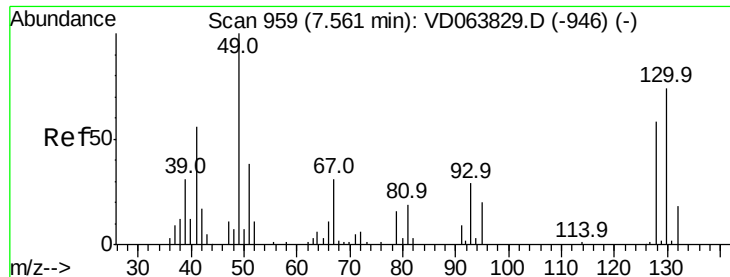
Tgt Ion: 78 Resp: 29822

Ion Ratio Lower Upper

78 100

77 26.3 19.8 29.6

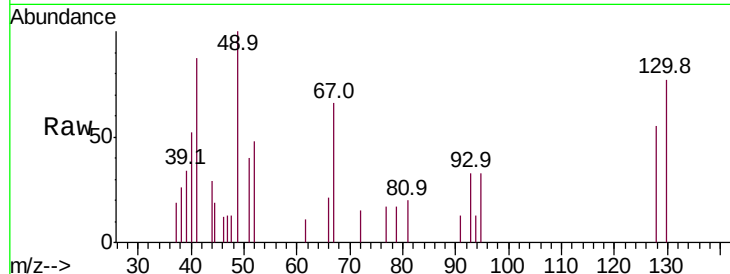




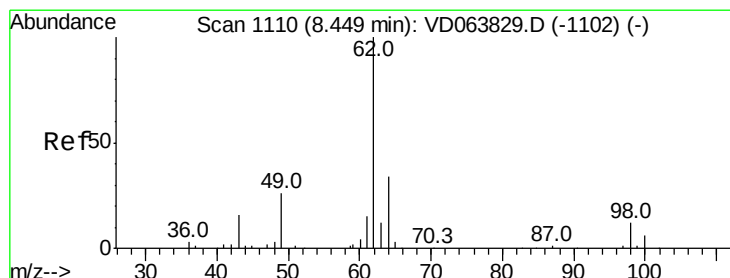
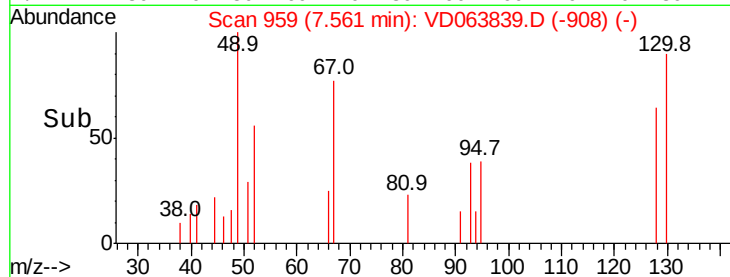
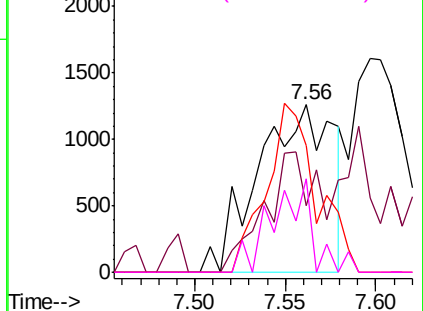
#41
Methacrylonitrile
Concen: 3.069 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 3626
Ion Ratio Lower Upper
41 100
39 49.7 52.2 78.4#
67 67.8 58.6 87.8
52 30.3 26.6 39.8

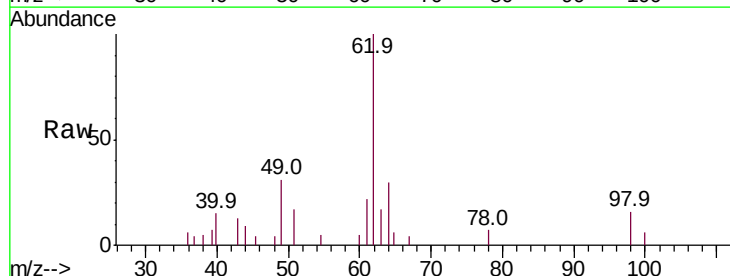


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

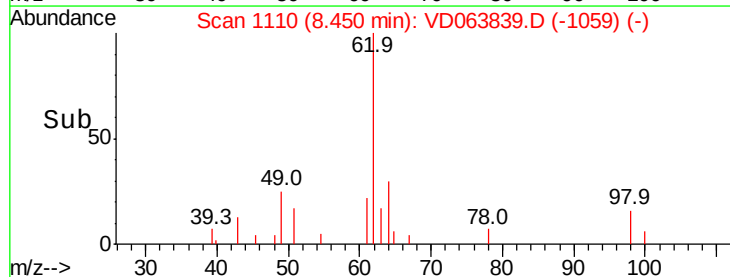
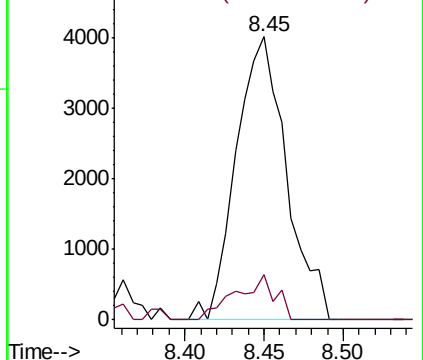


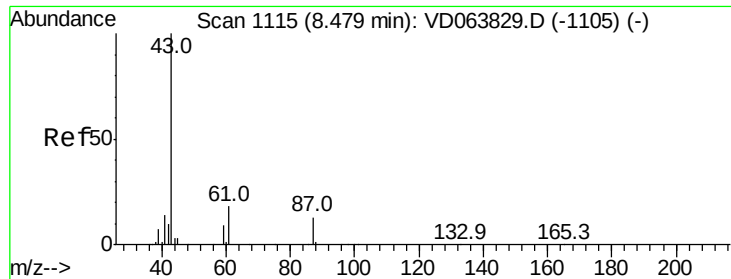
#42
1,2-Dichloroethane
Concen: 3.576 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 62 Resp: 8863
Ion Ratio Lower Upper
62 100
98 12.5 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: 3.764 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

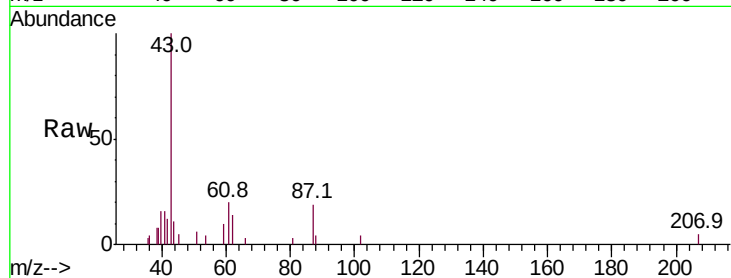
Tot Ion: 43 Resp: 9699

Ion Ratio Lower Upper

43 100

61 36.0 24.6 37.0

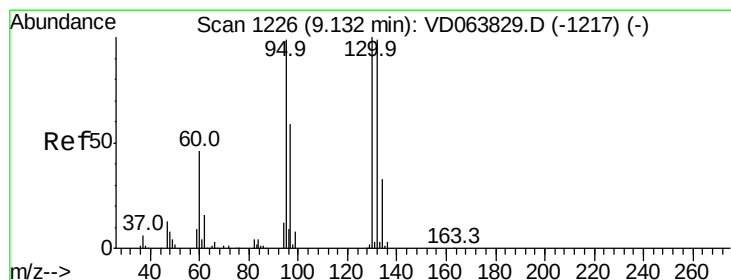
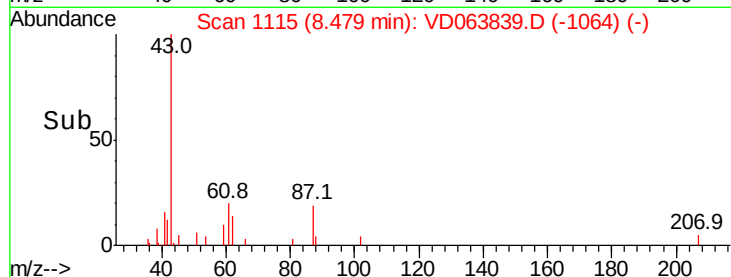
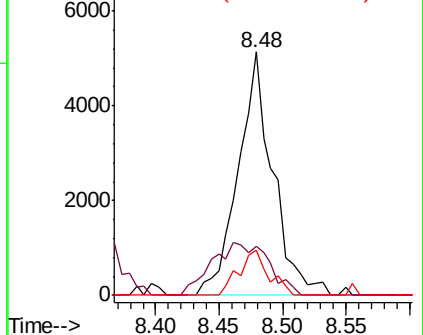
87 15.9 10.5 15.7#



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: 3.704 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VD063839.D

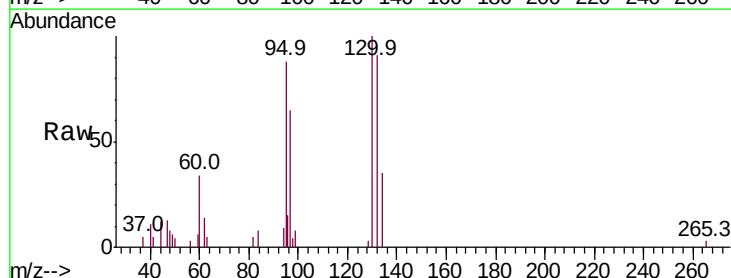
Acq: 26 Sep 2019 15:30

Tgt Ion:130 Resp: 9093

Ion Ratio Lower Upper

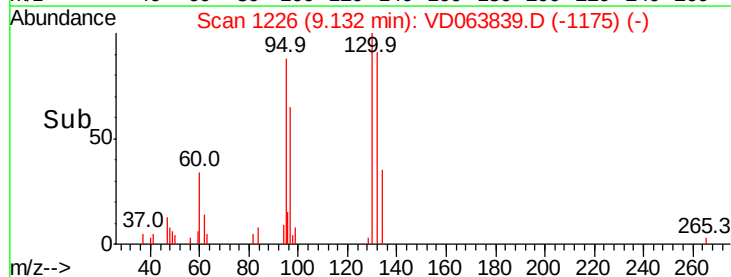
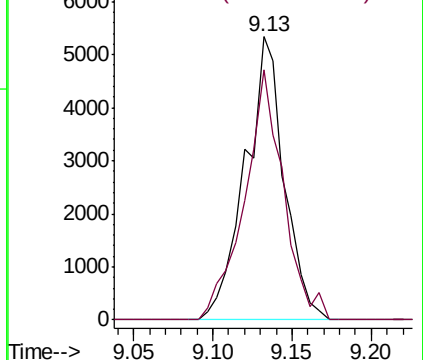
130 100

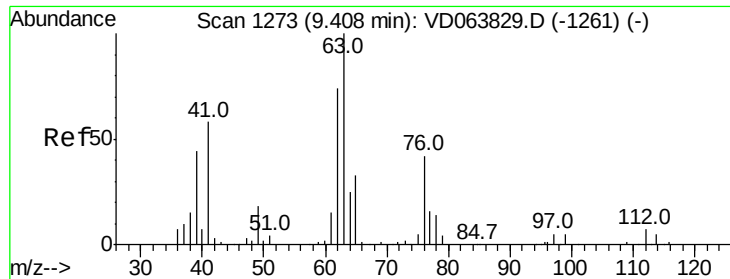
95 88.3 0.0 198.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

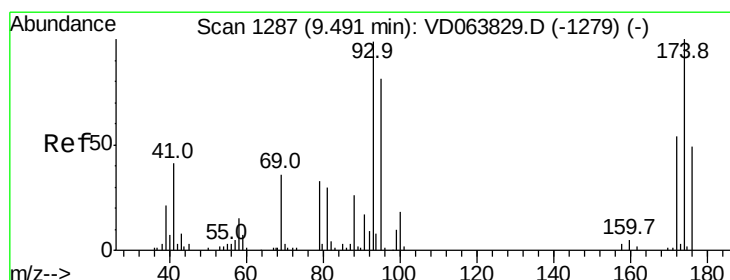
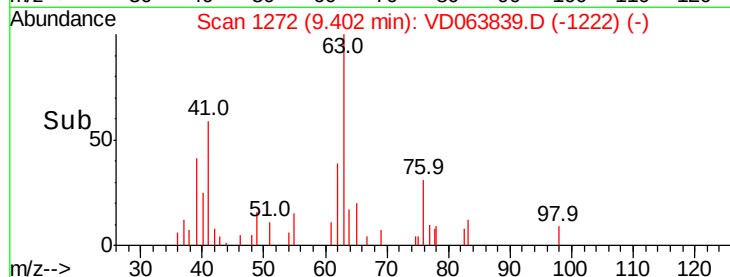
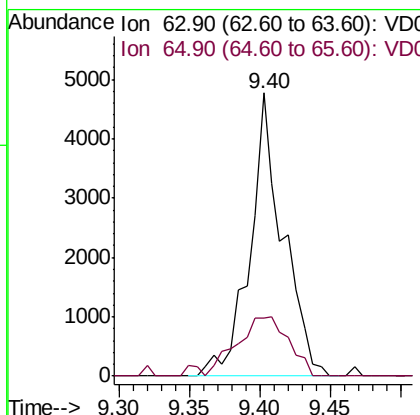
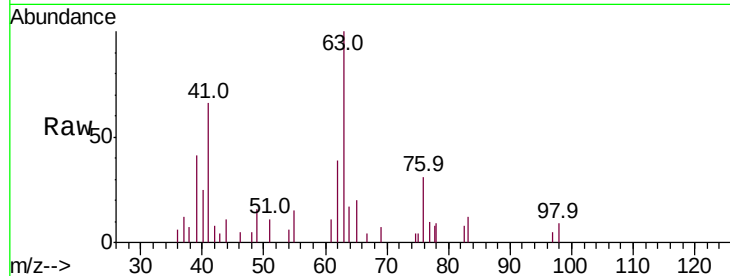




#45
 1,2-Dichloropropane
 Concen: 3.729 ug/l
 RT: 9.40 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

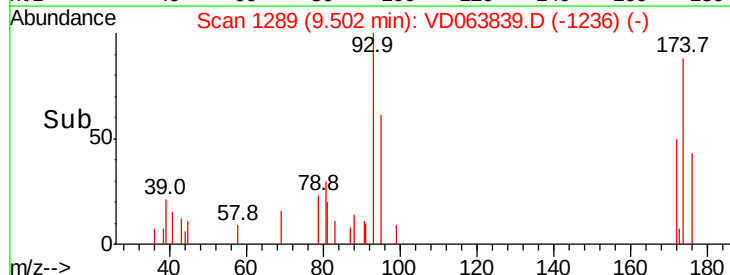
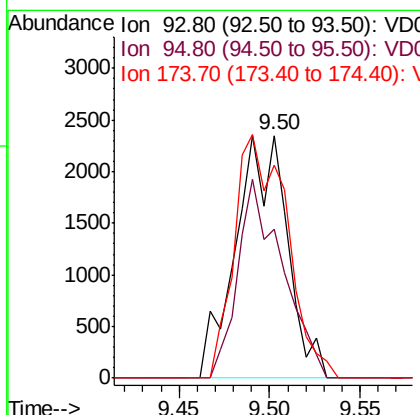
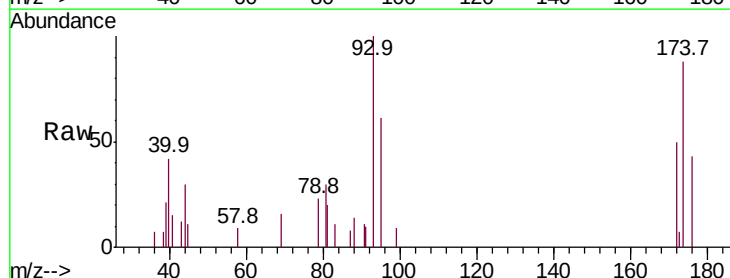
Instrument :
 MSVOA_D
 ClientSampled :

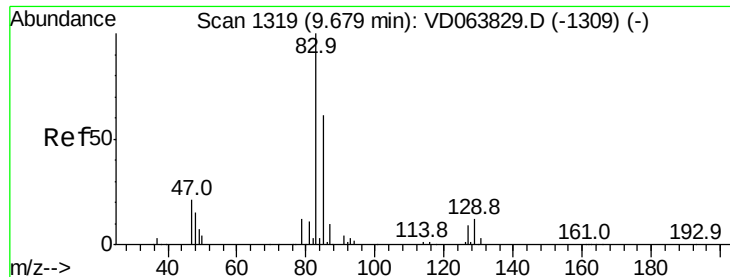
Tot Ion: 63 Resp: 7808
 Ion Ratio Lower Upper
 63 100
 65 20.5 26.8 40.2#



#46
 Dibromomethane
 Concen: 3.914 ug/l
 RT: 9.50 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion: 93 Resp: 4625
 Ion Ratio Lower Upper
 93 100
 95 71.4 63.8 95.8
 174 102.0 84.2 126.2





#47

Bromodichloromethane

Concen: 3.459 ug/l

RT: 9.68 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

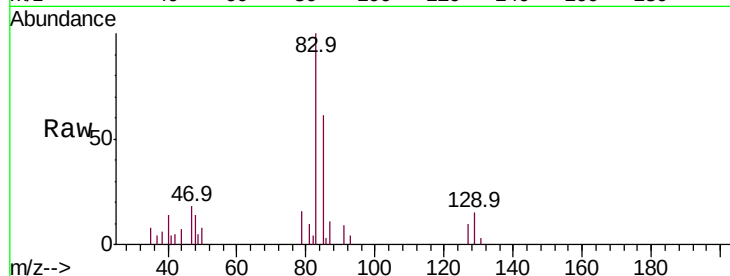
Tot Ion: 83 Resp: 10537

Ion Ratio Lower Upper

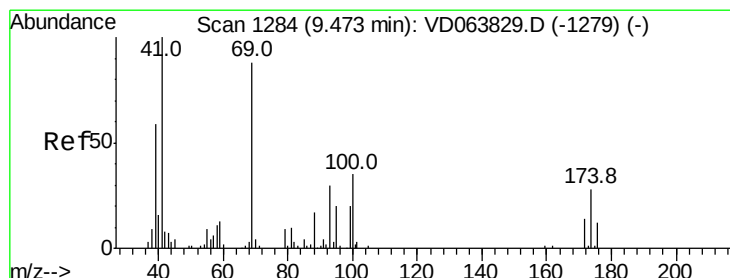
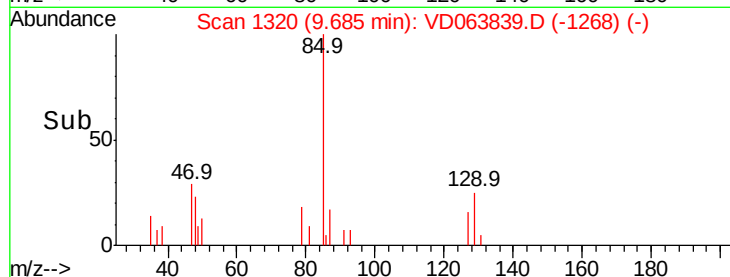
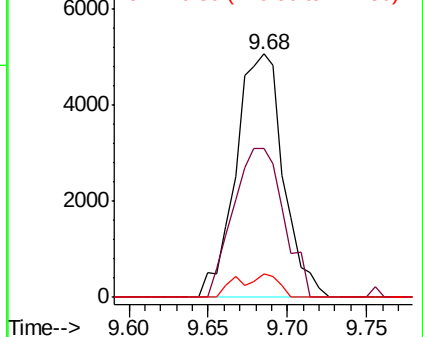
83 100

85 61.1 48.6 73.0

127 9.5 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: 4.405 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

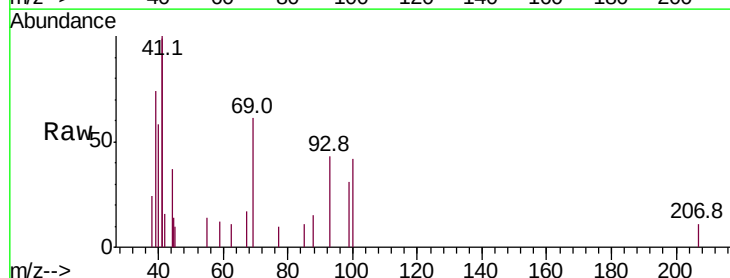
Tgt Ion: 41 Resp: 5163

Ion Ratio Lower Upper

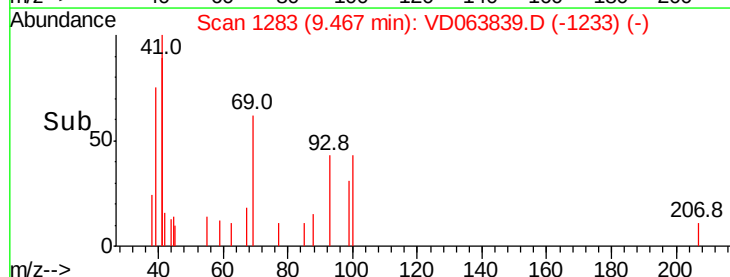
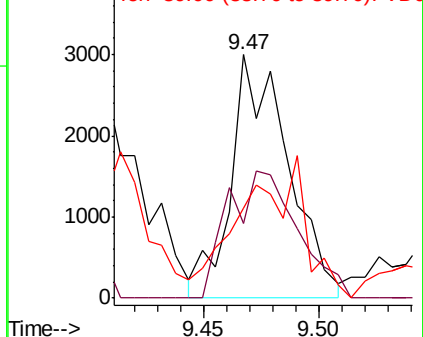
41 100

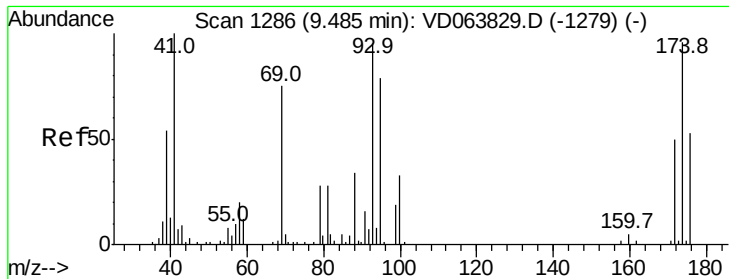
69 63.5 71.7 107.5#

39 0.0 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: 59.746 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

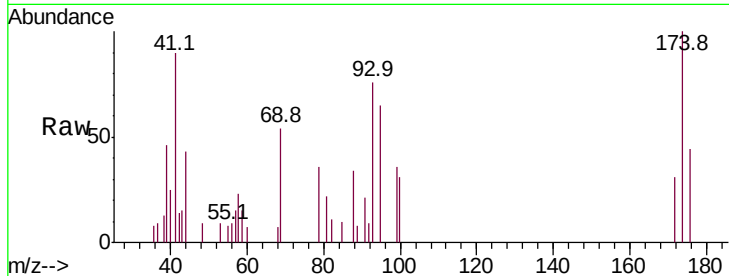
Tot Ion: 88 Resp: 985

Ion Ratio Lower Upper

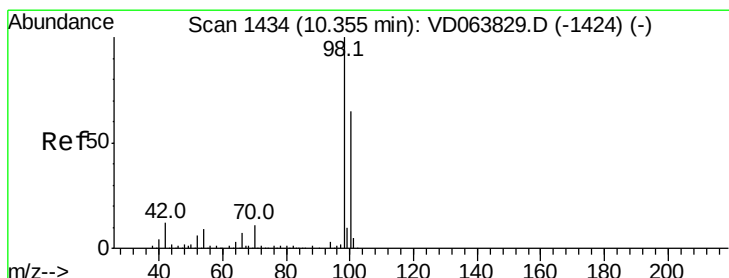
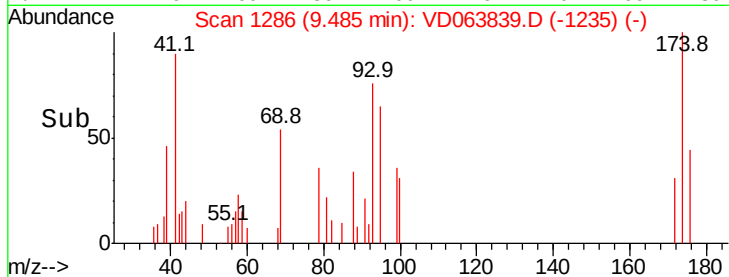
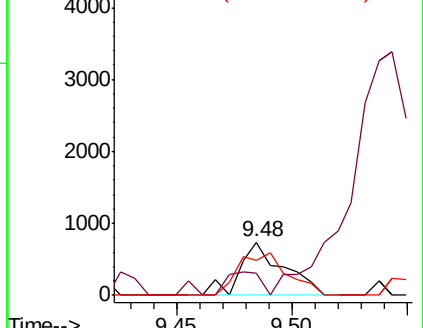
88 100

43 33.5 25.8 38.6

58 89.7 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: 56.158 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VD063839.D

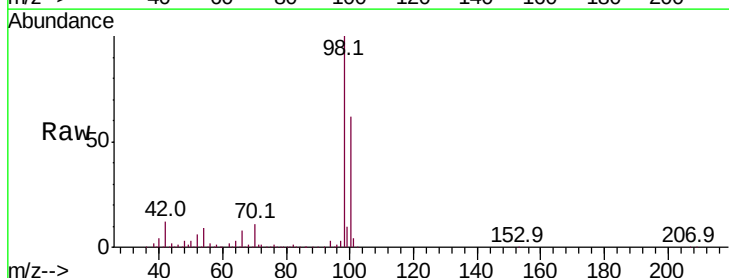
Acq: 26 Sep 2019 15:30

Tgt Ion: 98 Resp: 452797

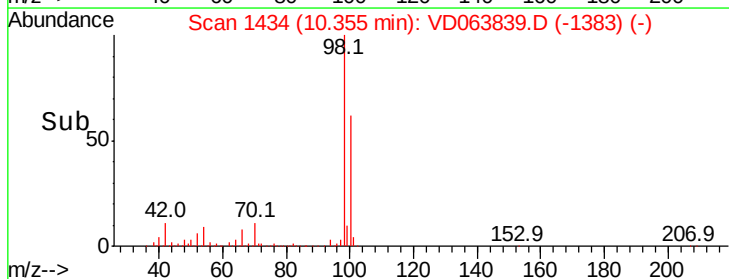
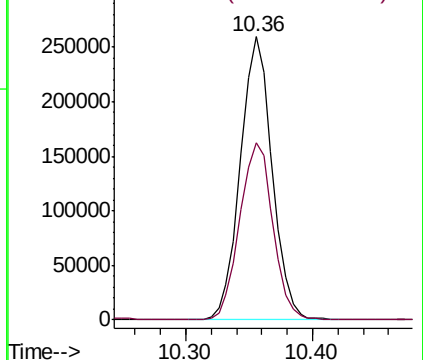
Ion Ratio Lower Upper

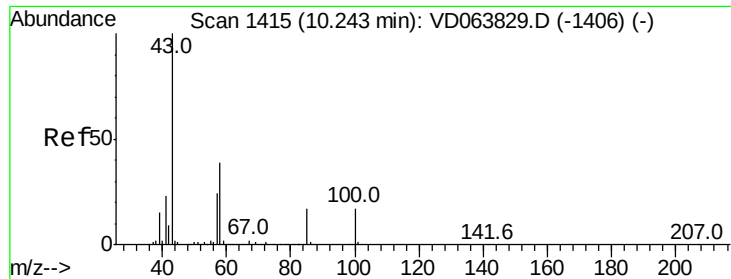
98 100

100 65.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

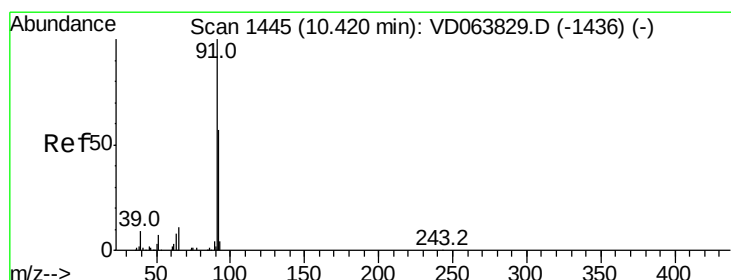
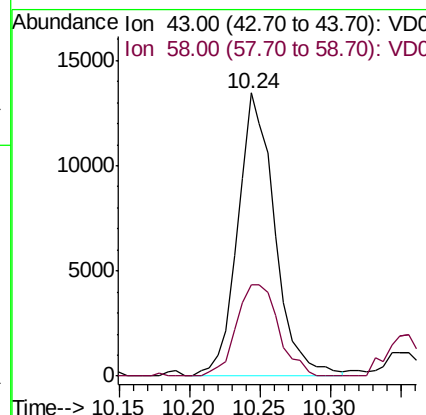
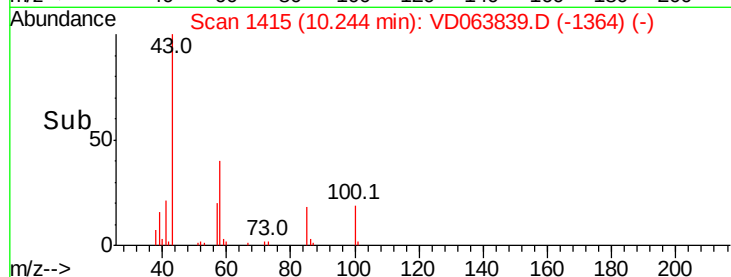
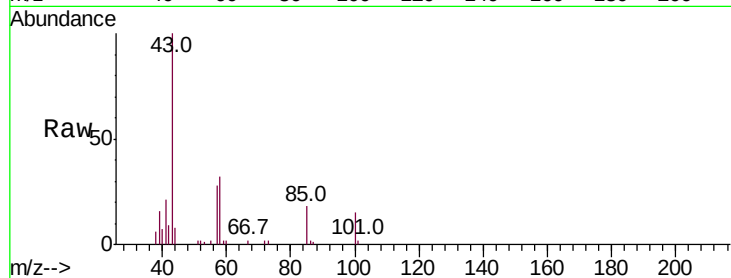




#51
4-Methyl-2-Pentanone
Concen: 19.094 ug/l
RT: 10.24 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

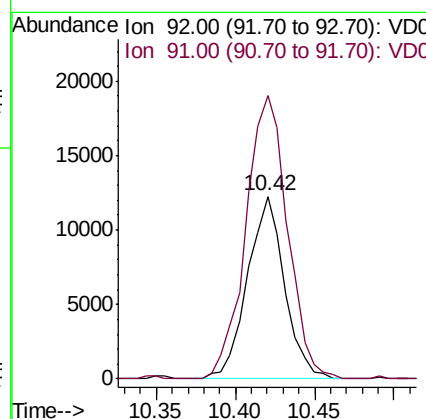
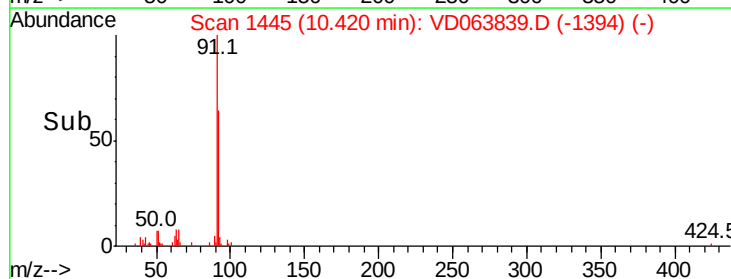
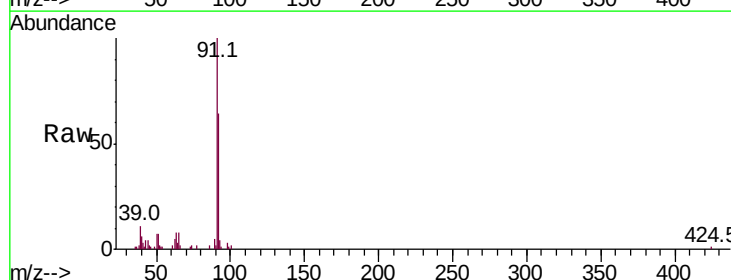
Instrument :
MSVOA_D
ClientSampleId :

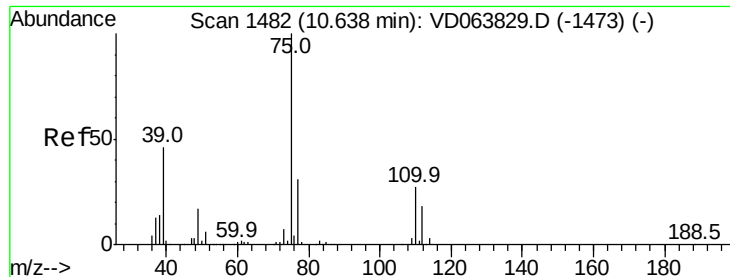
Tot Ion: 43 Resp: 24787
Ion Ratio Lower Upper
43 100
58 36.7 30.9 46.3



#52
Toluene
Concen: 3.463 ug/l
RT: 10.42 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 92 Resp: 19904
Ion Ratio Lower Upper
92 100
91 174.8 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 3.398 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

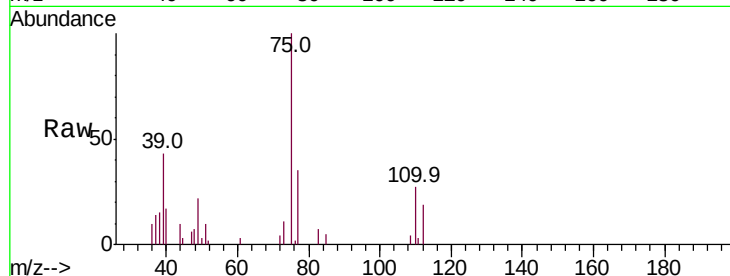
ClientSampleId :

Tot Ion: 75 Resp: 10260

Ion Ratio Lower Upper

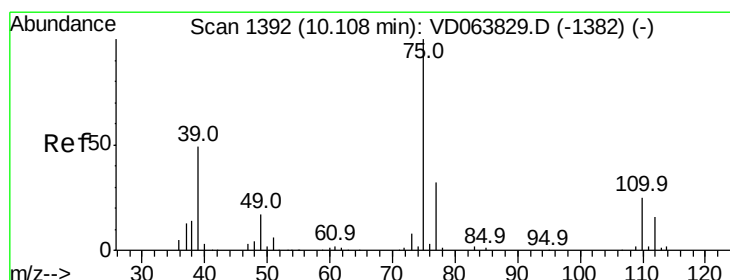
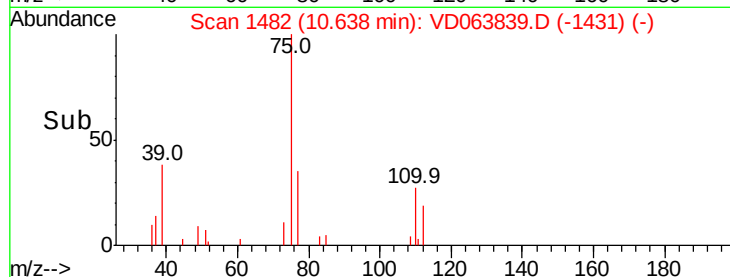
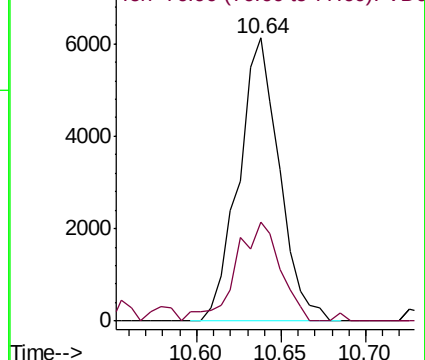
75 100

77 32.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 3.176 ug/l

RT: 10.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

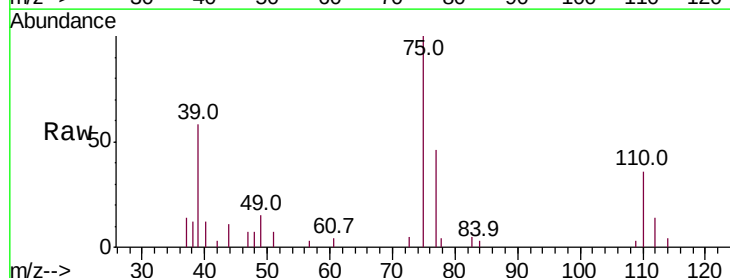
Tgt Ion: 75 Resp: 10887

Ion Ratio Lower Upper

75 100

77 45.7 25.8 38.8#

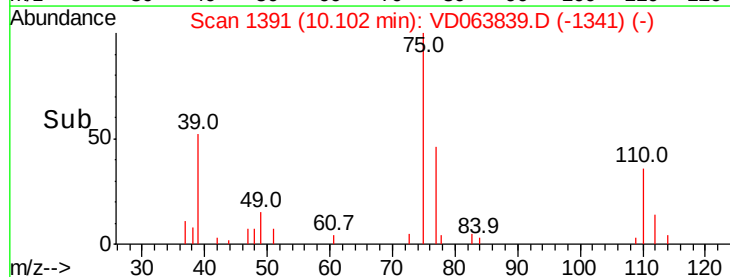
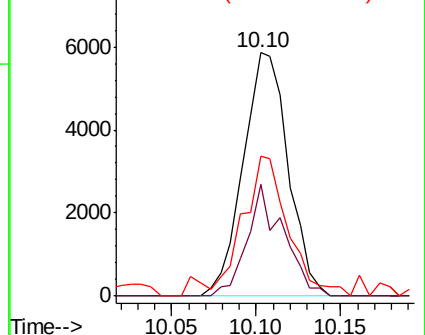
39 53.9 39.5 59.3

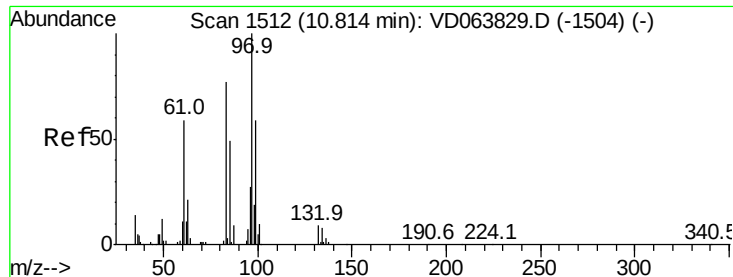


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

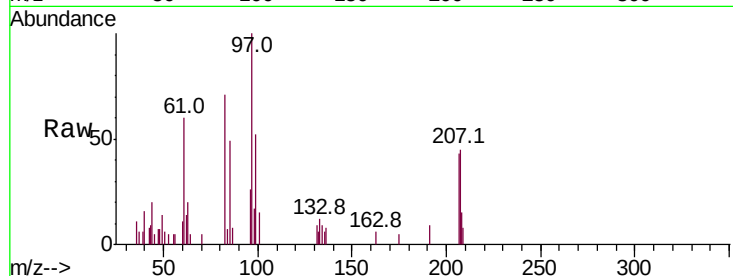




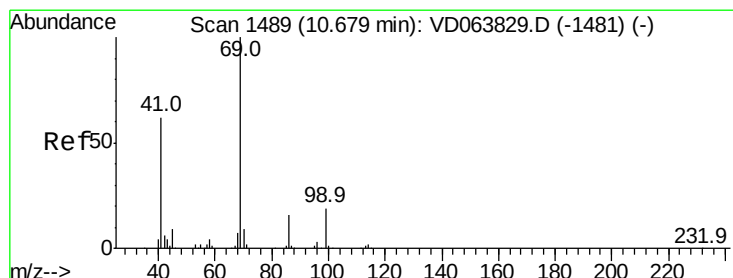
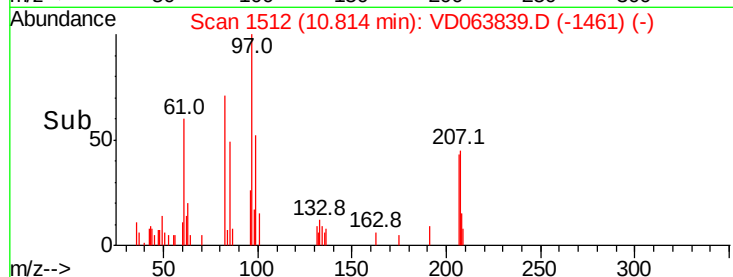
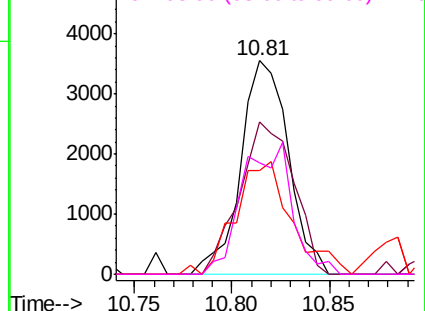
#55
 1,1,2-Trichloroethane
 Concen: 3.606 ug/l
 RT: 10.81 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	6021
Ion	Ratio	Lower	Upper
97	100		
83	71.1	61.9	92.9
85	44.5	39.4	59.2
99	52.1	47.3	70.9

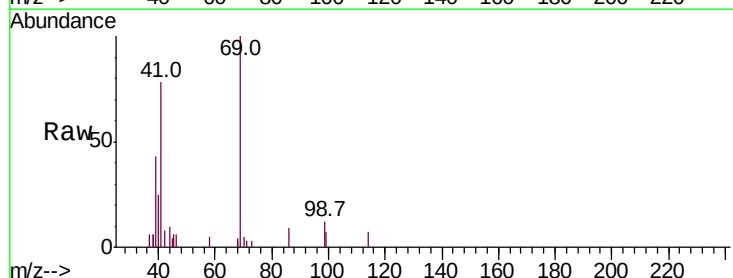


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

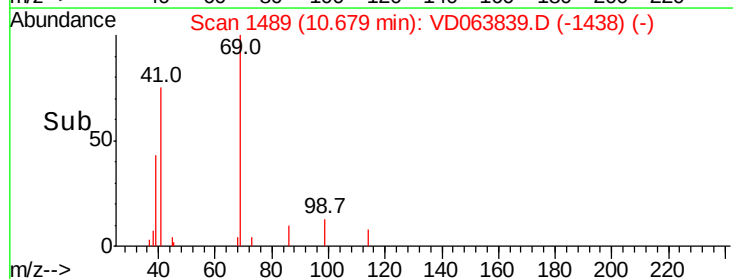
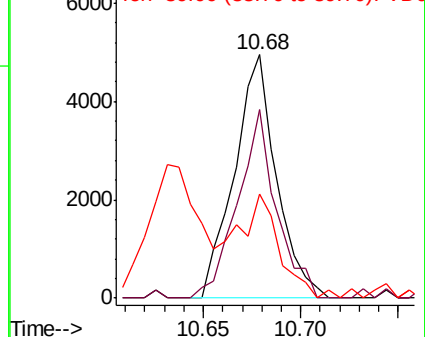


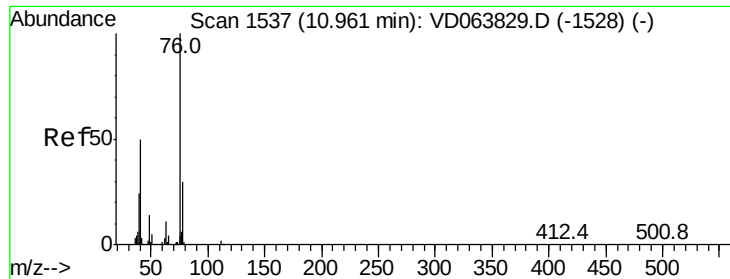
#56
 Ethyl methacrylate
 Concen: 3.487 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion:	69	Resp:	7400
Ion	Ratio	Lower	Upper
69	100		
41	71.1	52.2	78.4
39	38.9	28.7	43.1



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





#57

1,3-Dichloropropane

Concen: 3.571 ug/l

RT: 10.96 min Scan# 1537

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

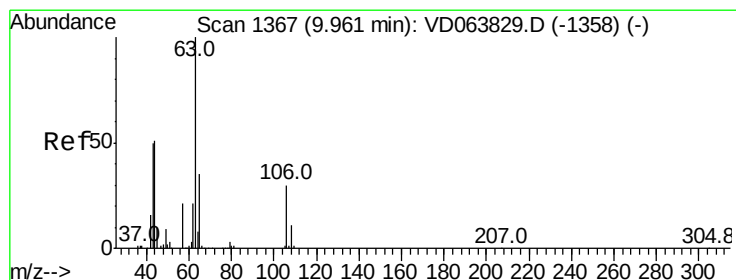
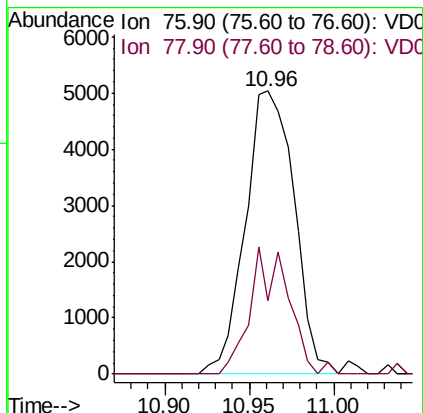
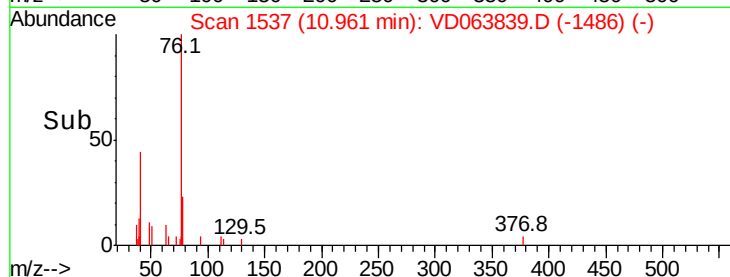
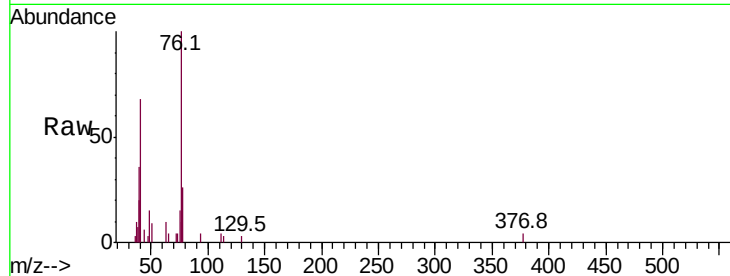
ClientSampleId :

Tot Ion: 76 Resp: 10132

Ion Ratio Lower Upper

76 100

78 35.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 16.105 ug/l

RT: 9.96 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VD063839.D

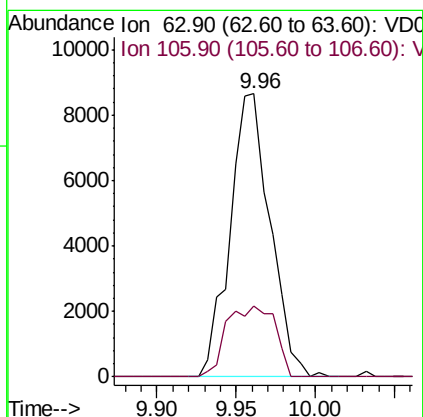
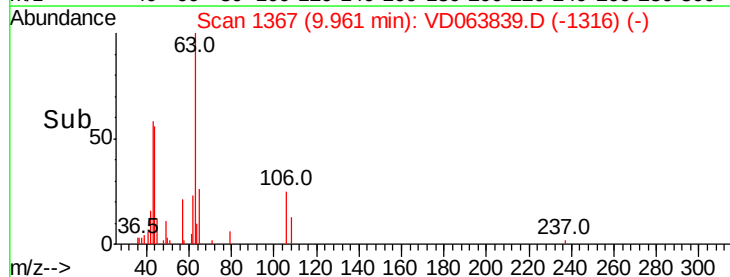
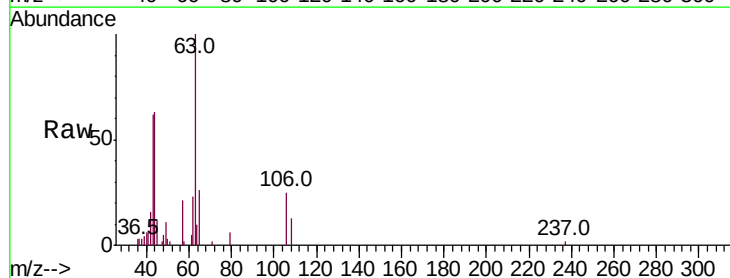
Acq: 26 Sep 2019 15:30

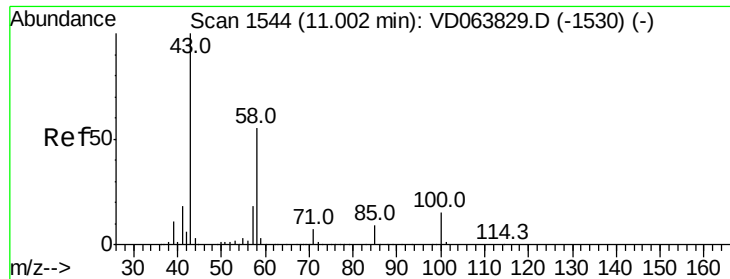
Tgt Ion: 63 Resp: 15278

Ion Ratio Lower Upper

63 100

106 30.0 23.4 35.0





#59

2-Hexanone

Concen: 15.868 ug/l

RT: 11.00 min Scan# 1544

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

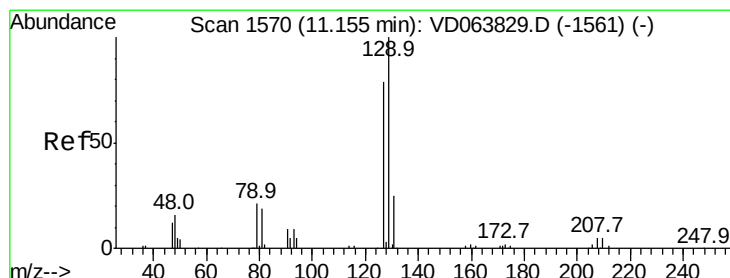
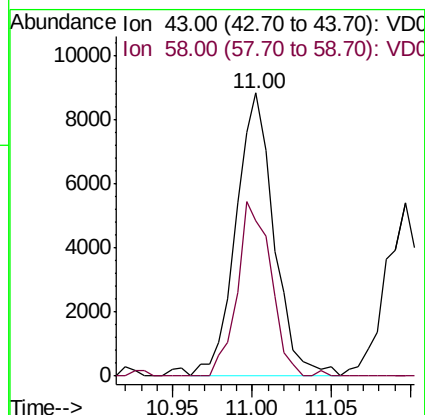
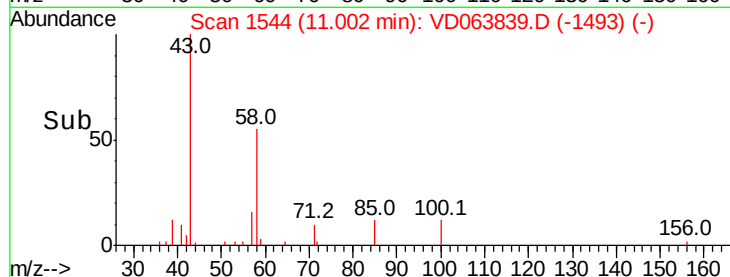
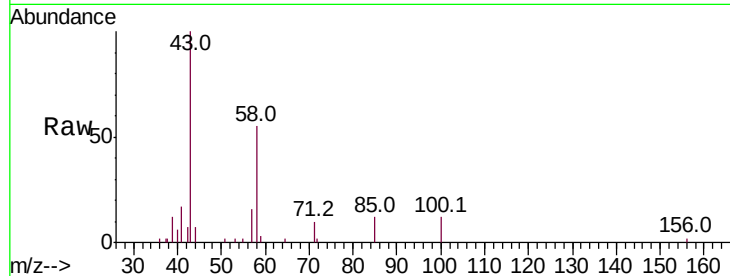
ClientSampleId :

Tot Ion: 43 Resp: 14698

Ion Ratio Lower Upper

43 100

58 54.1 27.6 82.7



#60

Dibromochloromethane

Concen: 3.543 ug/l

RT: 11.16 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VD063839.D

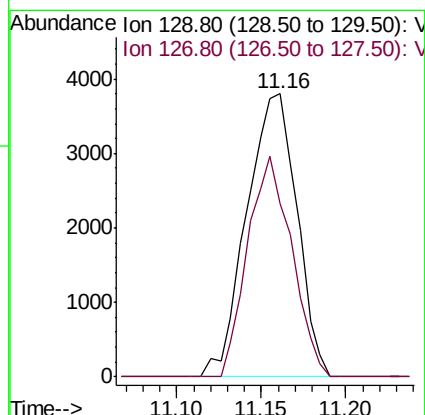
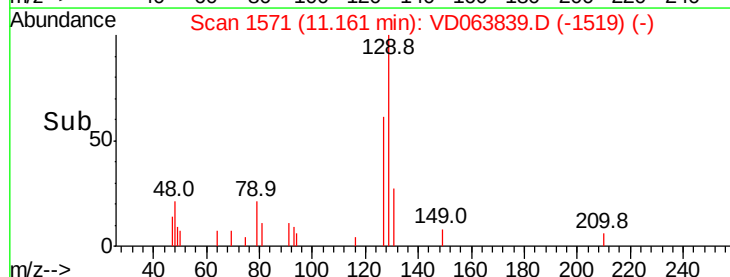
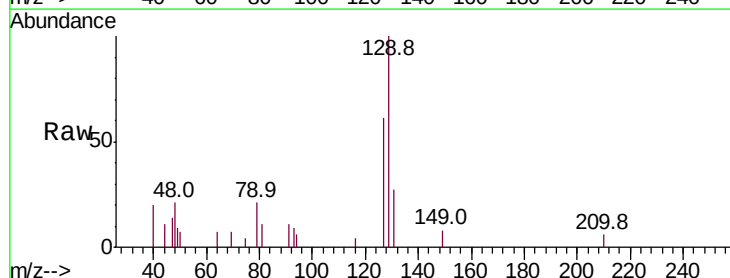
Acq: 26 Sep 2019 15:30

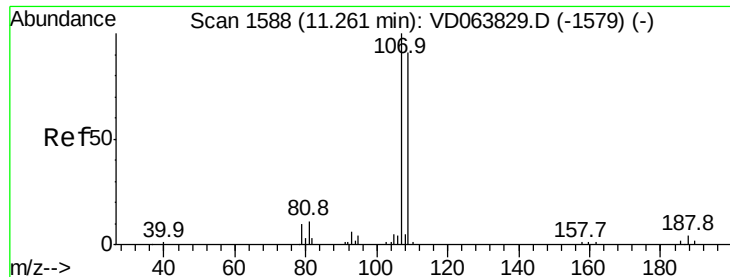
Tgt Ion: 129 Resp: 7808

Ion Ratio Lower Upper

129 100

127 68.4 38.8 116.3

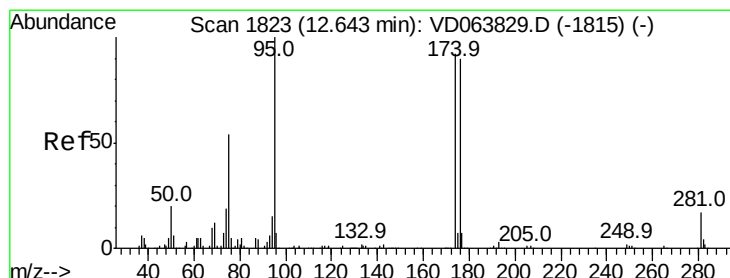
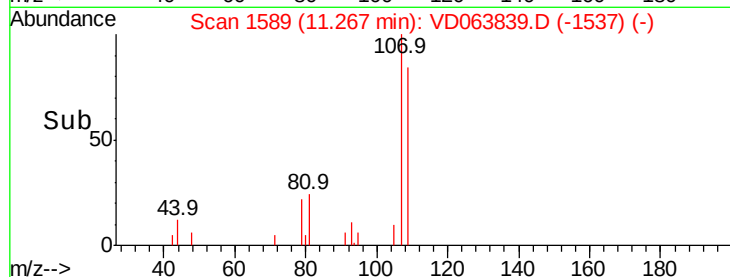
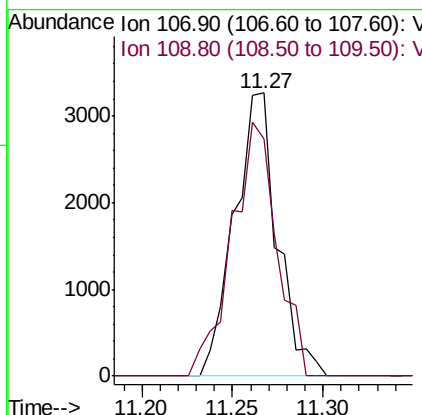
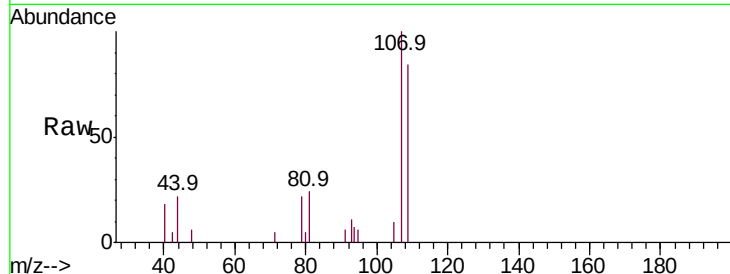




#61
 1,2-Dibromoethane
 Concen: 3.216 ug/l
 RT: 11.27 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

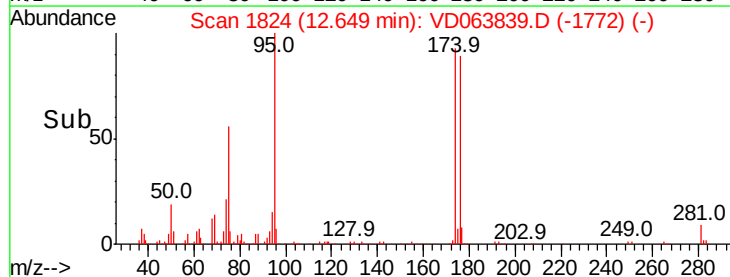
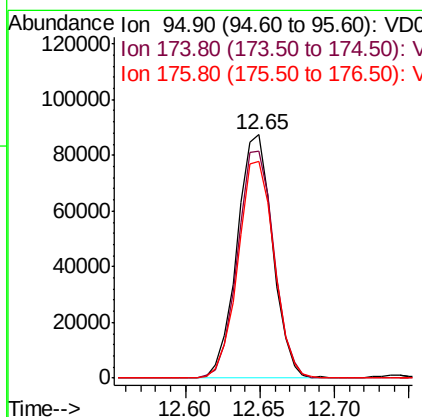
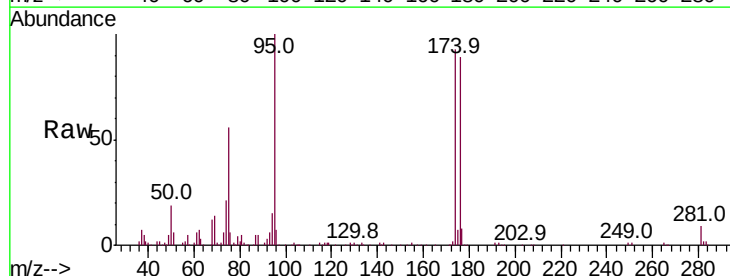
Instrument :
 MSVOA_D
 ClientSampleId :

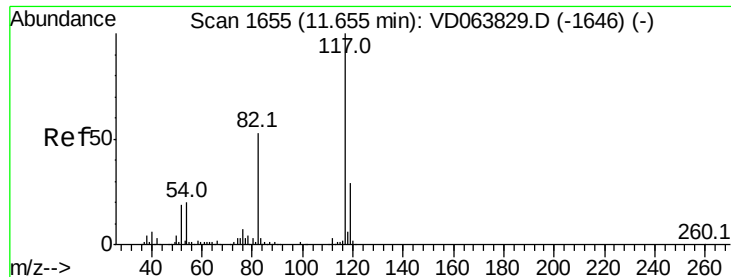
Tot Ion: 107 Resp: 5369
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 49.843 ug/l
 RT: 12.65 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion: 95 Resp: 144222
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 183.2
 176 90.8 0.0 177.4

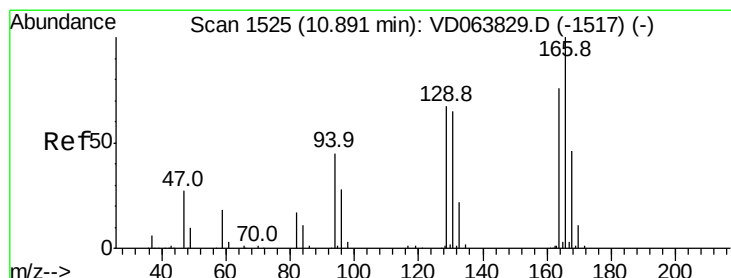
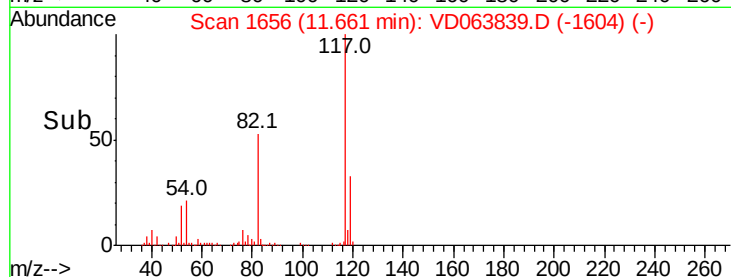
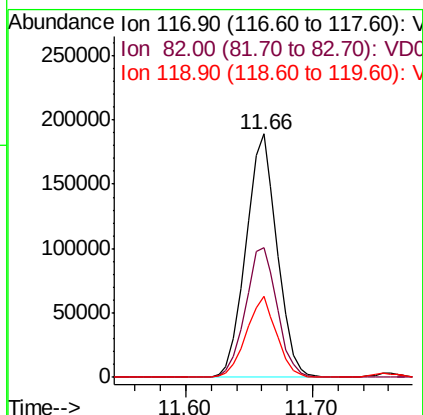
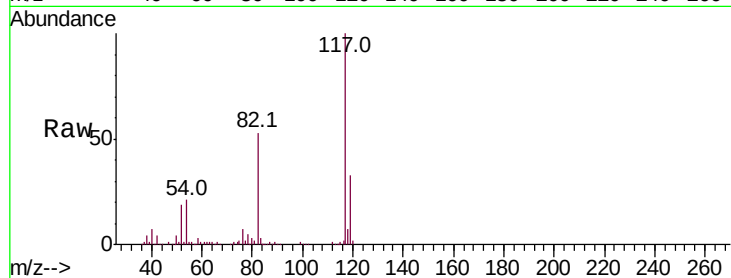




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

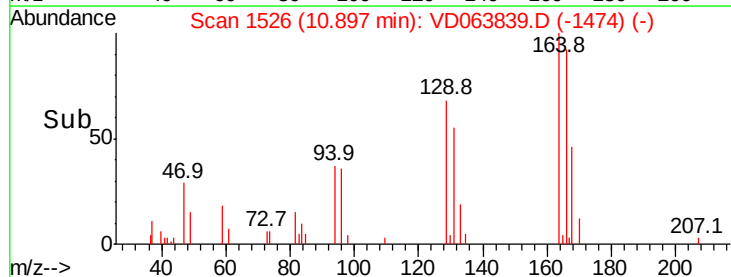
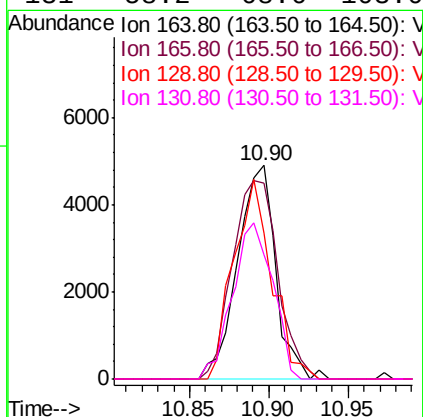
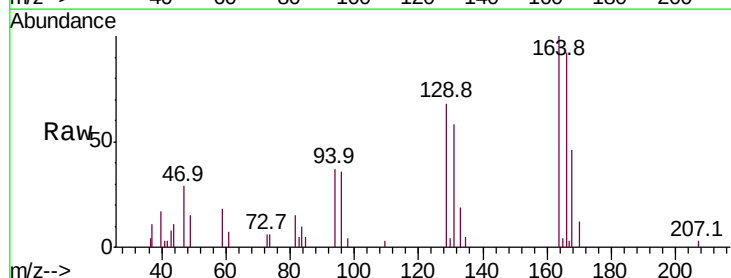
Instrument :
MSVOA_D
ClientSampleId :

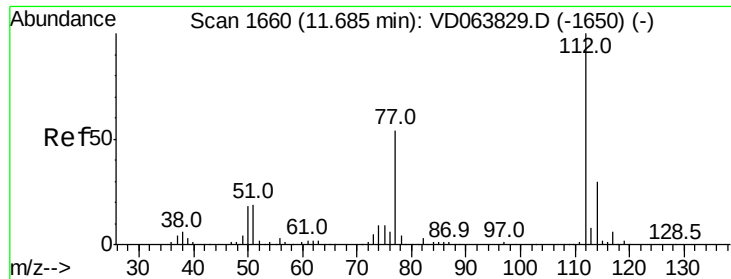
Tot Ion:117 Resp: 322402
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 33.3 23.5 35.3



#64
Tetrachloroethene
Concen: 3.773 ug/l
RT: 10.90 min Scan# 1526
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion:164 Resp: 8193
Ion Ratio Lower Upper
164 100
166 91.6 105.5 158.3#
129 68.2 70.2 105.4#
131 58.2 68.6 103.0#

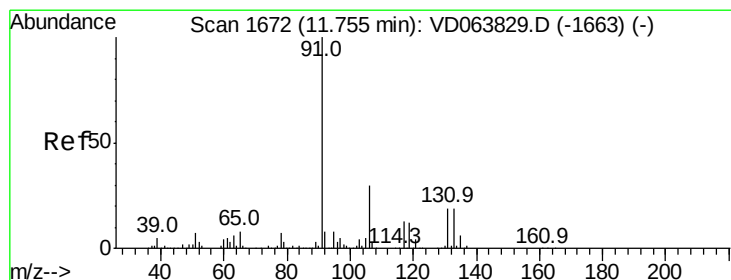
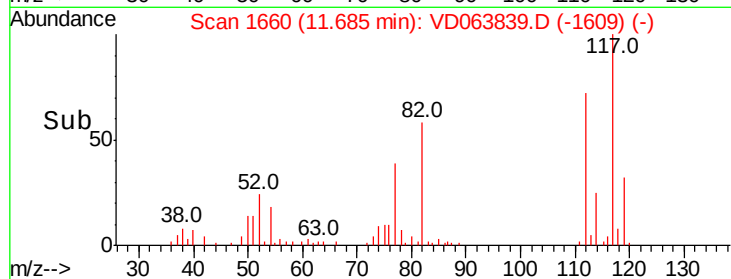
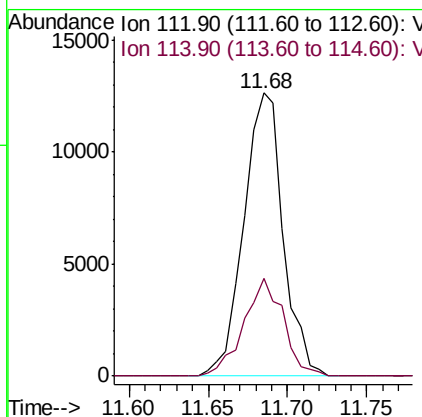
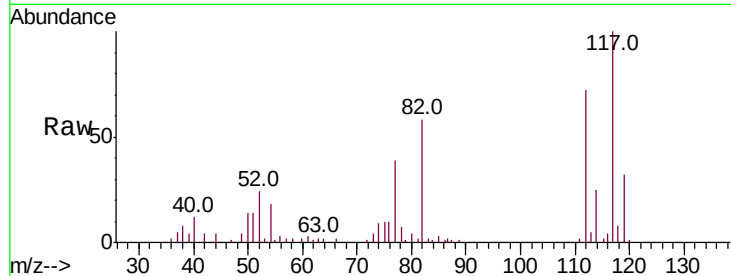




#65
Chlorobenzene
Concen: 3.361 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

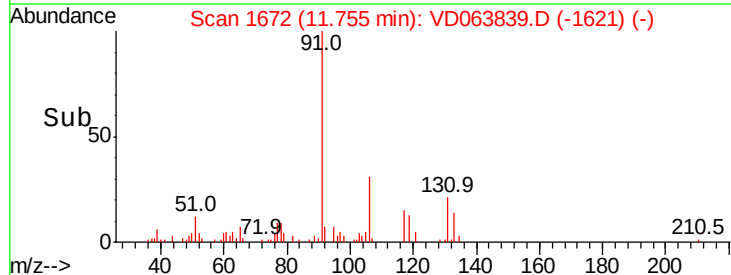
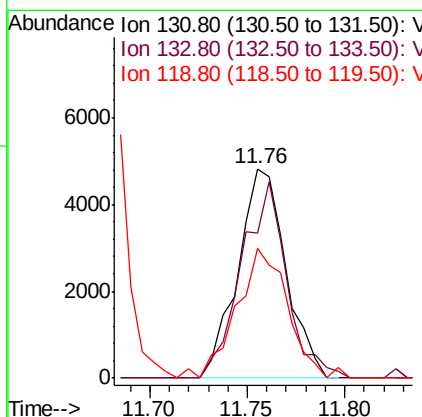
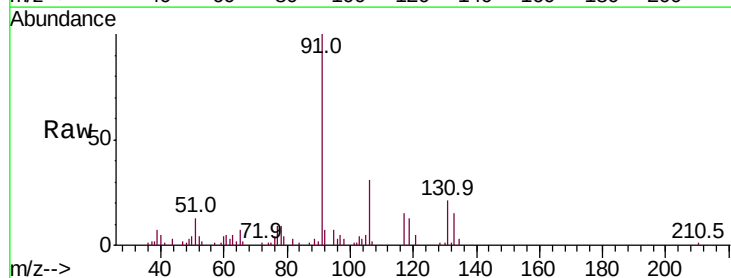
Instrument :
MSVOA_D
ClientSampled :

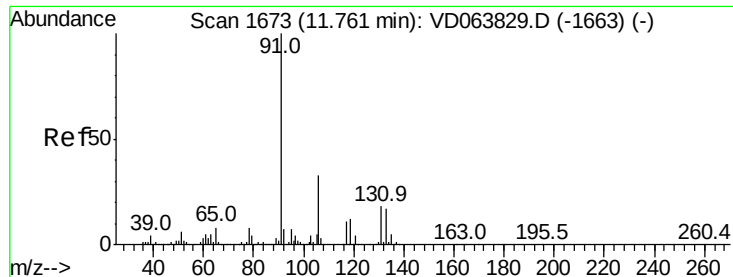
Tot Ion:112 Resp: 21799
Ion Ratio Lower Upper
112 100
114 34.3 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 3.455 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion:131 Resp: 8235
Ion Ratio Lower Upper
131 100
133 87.9 47.4 142.3
119 66.1 31.6 94.8





#67

Ethyl Benzene

Concen: 3.369 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

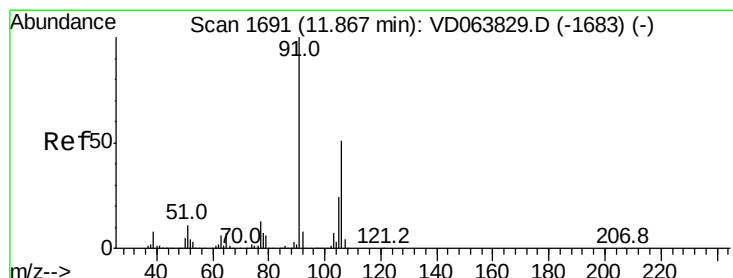
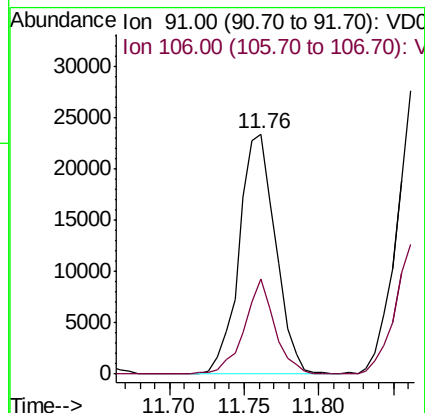
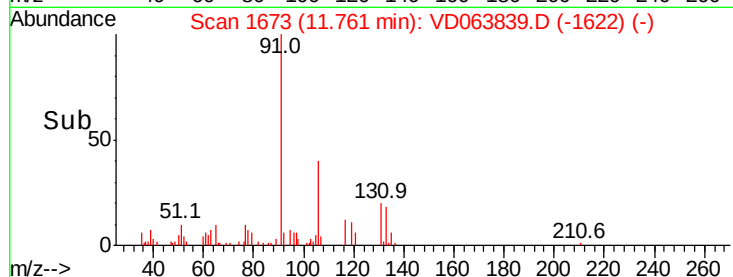
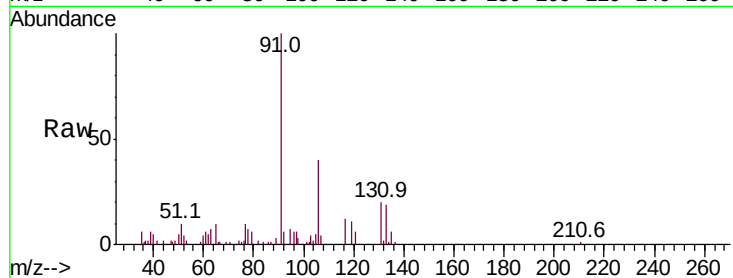
ClientSampled :

Tot Ion: 91 Resp: 39472

Ion Ratio Lower Upper

91 100

106 39.7 26.6 40.0



#68

m/p-Xylenes

Concen: 6.524 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063839.D

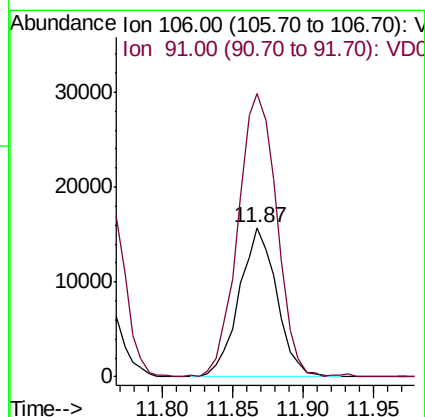
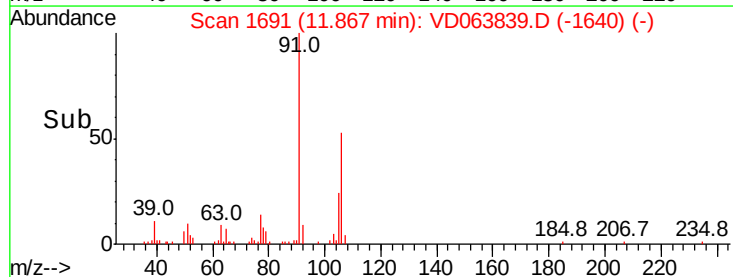
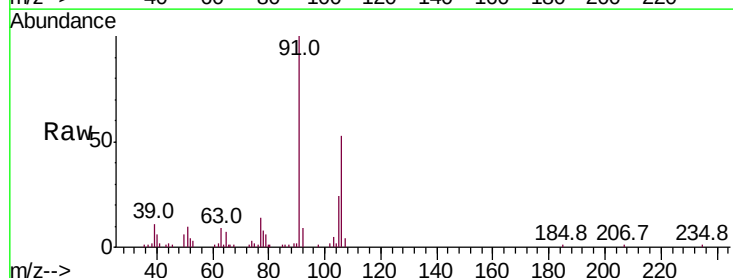
Acq: 26 Sep 2019 15:30

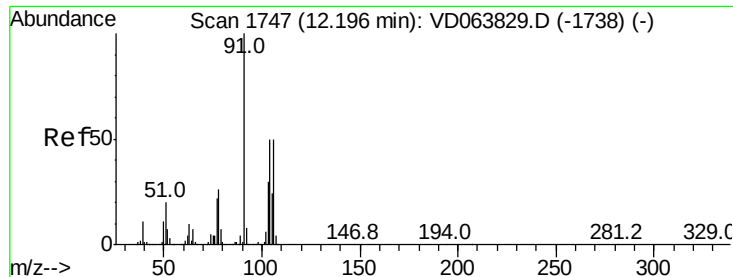
Tgt Ion: 106 Resp: 29349

Ion Ratio Lower Upper

106 100

91 195.7 157.6 236.4

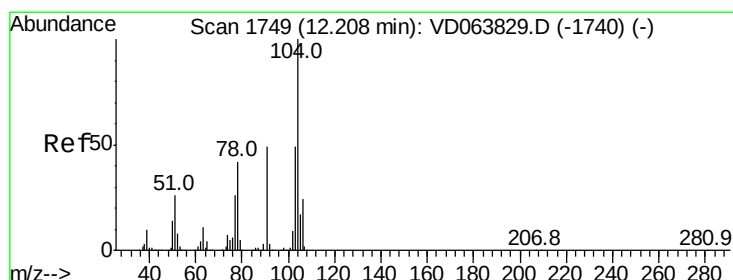
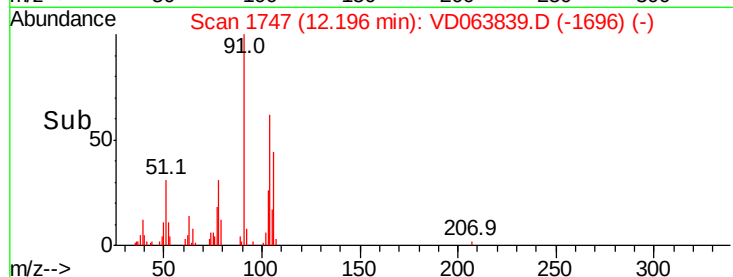
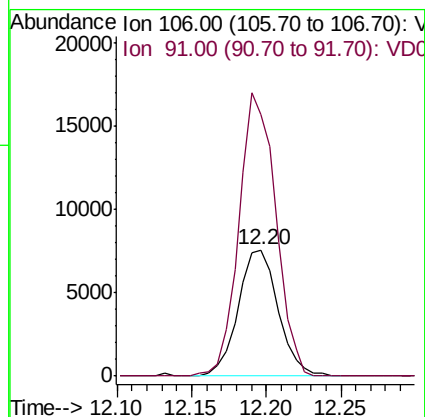
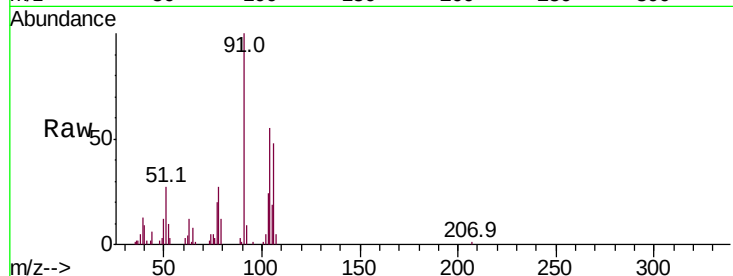




#69
o-Xylene
Concen: 3.323 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

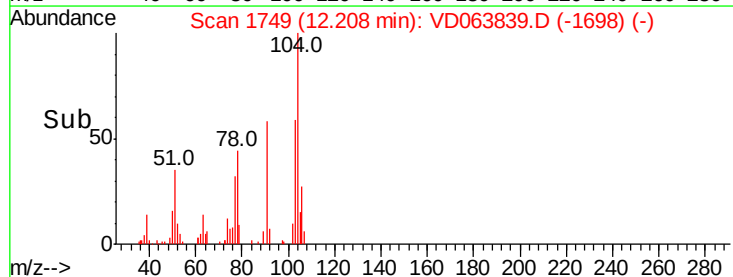
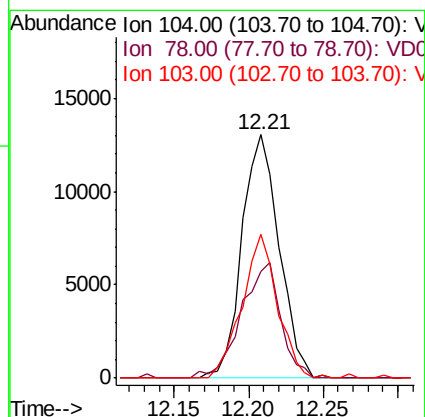
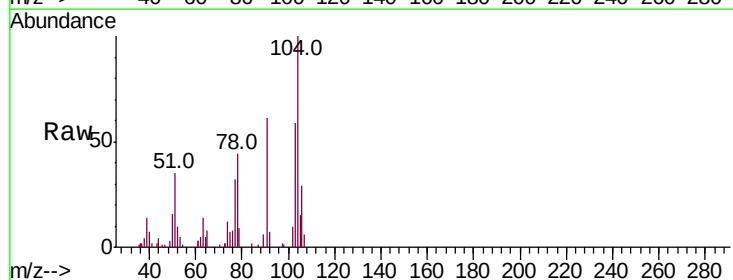
Instrument :
MSVOA_D
ClientSampleId :

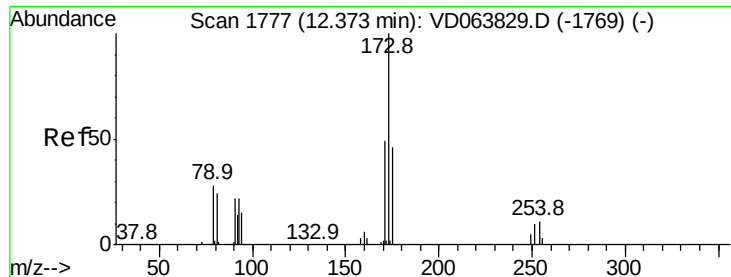
Tot Ion:106 Resp: 14108
Ion Ratio Lower Upper
106 100
91 206.0 102.4 307.1



#70
Styrene
Concen: 3.141 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion:104 Resp: 22569
Ion Ratio Lower Upper
104 100
78 50.3 37.3 55.9
103 56.1 44.2 66.4





#71

Bromoform

Concen: 2.756 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

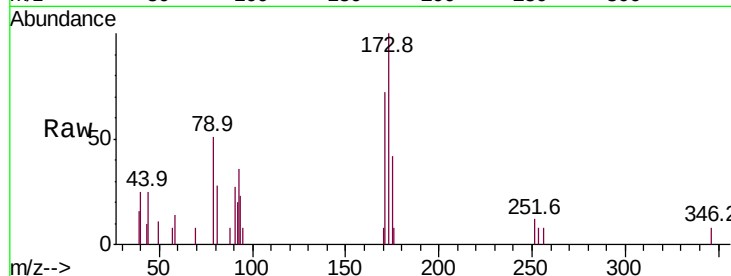
Tot Ion:173 Resp: 3649

Ion Ratio Lower Upper

173 100

175 62.3 23.3 69.8

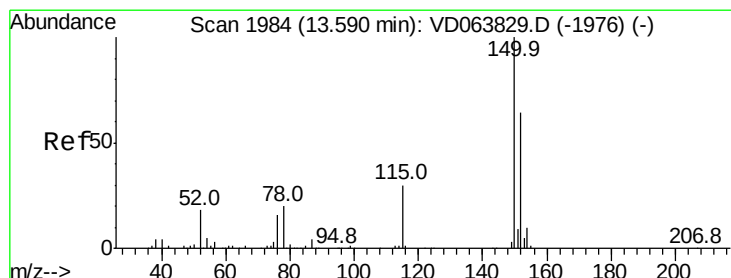
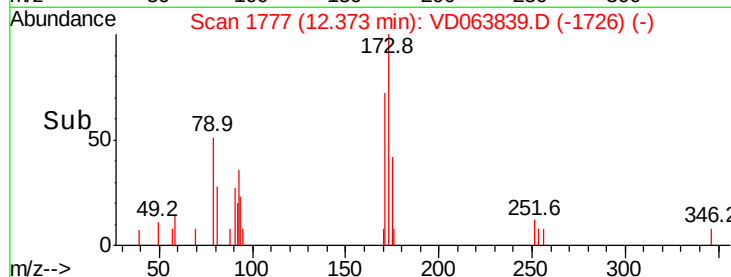
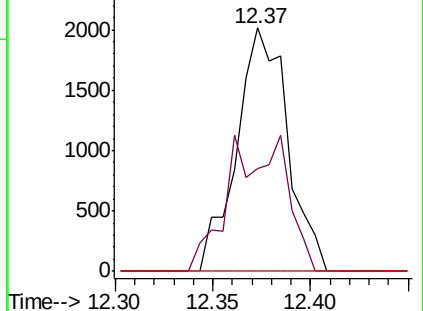
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.59 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

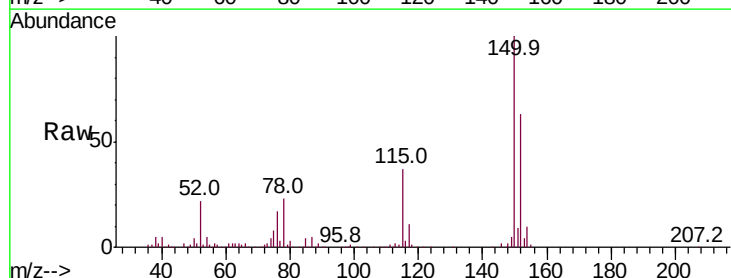
Tgt Ion:152 Resp: 163340

Ion Ratio Lower Upper

152 100

115 57.7 27.0 81.0

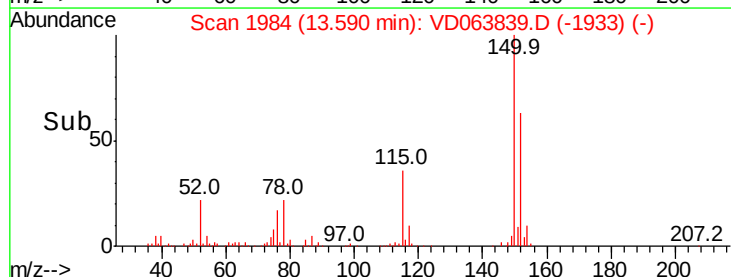
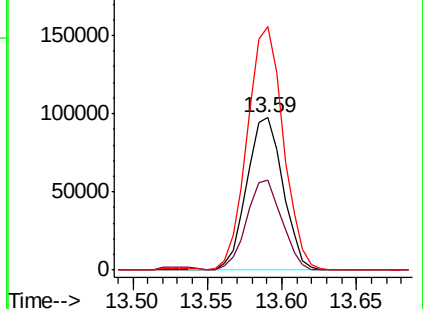
150 159.0 0.0 344.0

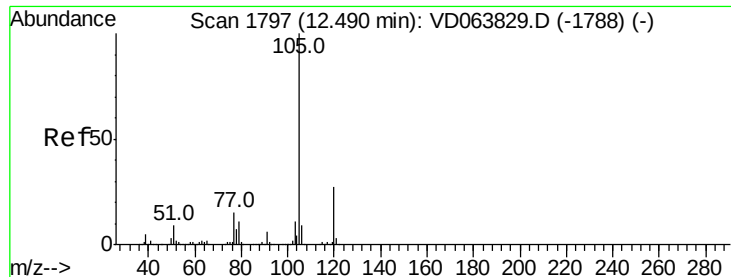


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.290 ug/l

RT: 12.50 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

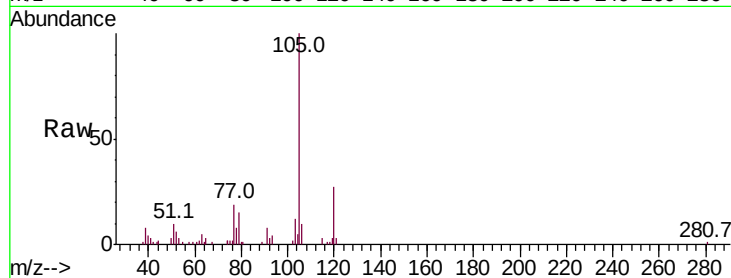
ClientSampleId :

Tot Ion:105 Resp: 36708

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

20000

15000

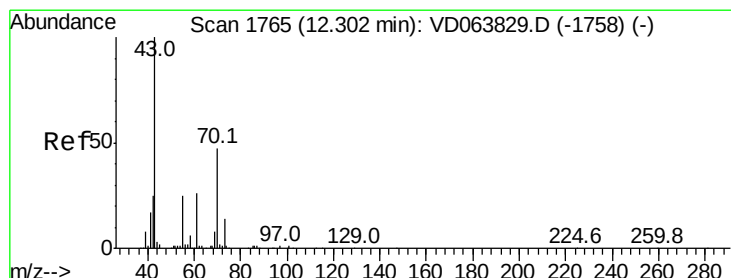
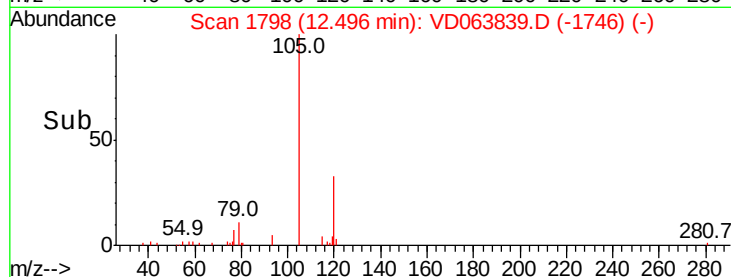
10000

5000

0

12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 3.462 ug/l

RT: 12.31 min Scan# 1766

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Tgt Ion: 43 Resp: 8454

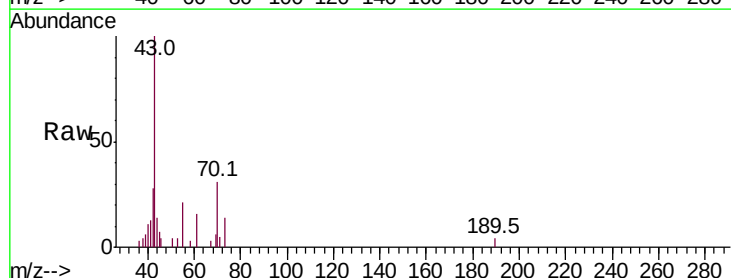
Ion Ratio Lower Upper

43 100

70 45.9 35.0 52.6

55 27.2 19.8 29.6

61 21.7 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

8000

6000

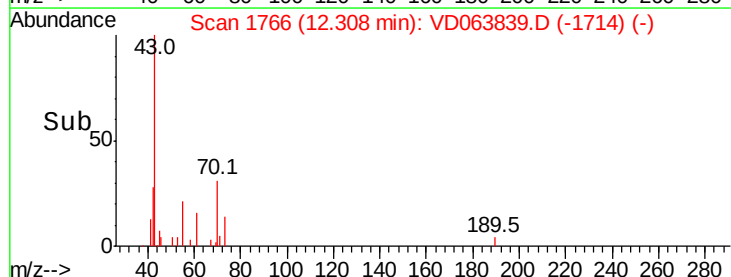
4000

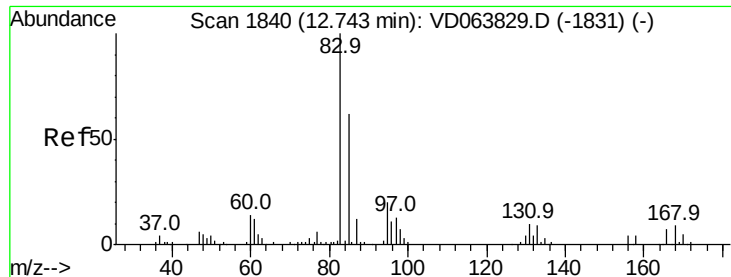
2000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 3.885 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

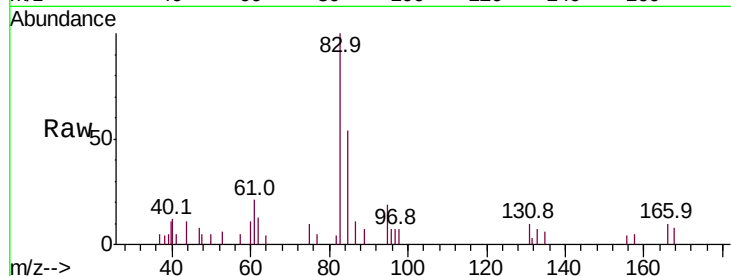
Tot Ion: 83 Resp: 7225

Ion Ratio Lower Upper

83 100

131 10.0 5.6 16.8

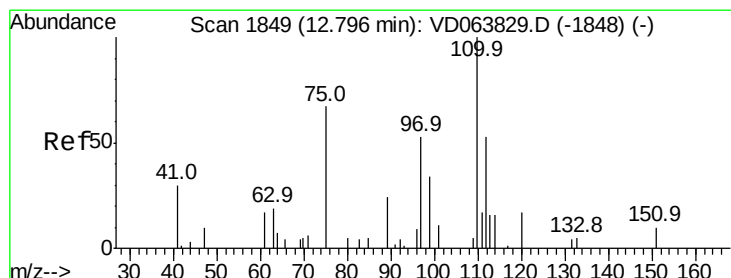
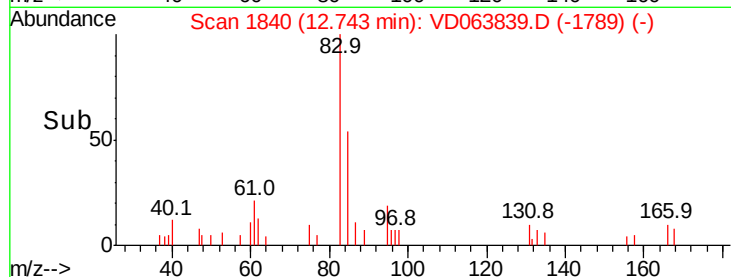
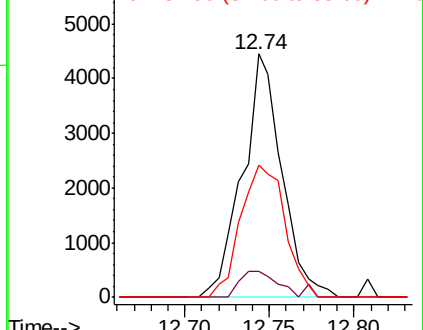
85 60.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 7.765 ug/l

RT: 12.80 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VD063839.D

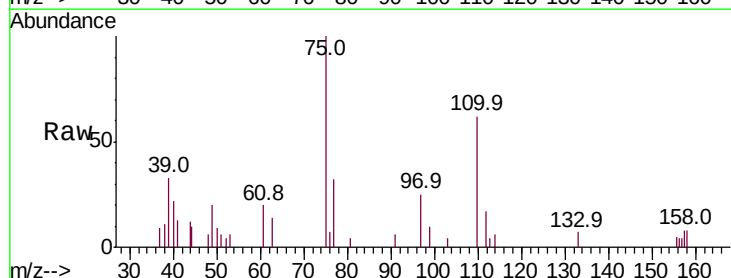
Acq: 26 Sep 2019 15:30

Tgt Ion: 75 Resp: 9617

Ion Ratio Lower Upper

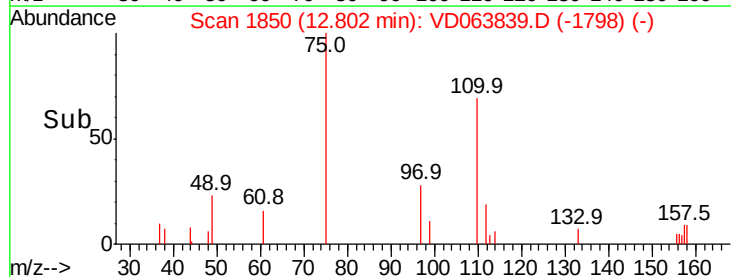
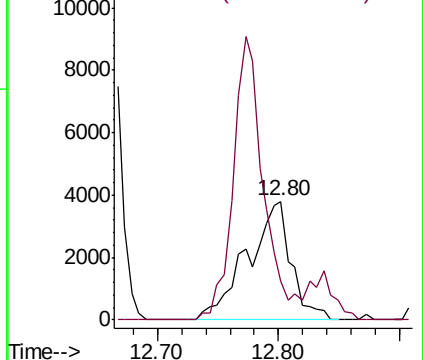
75 100

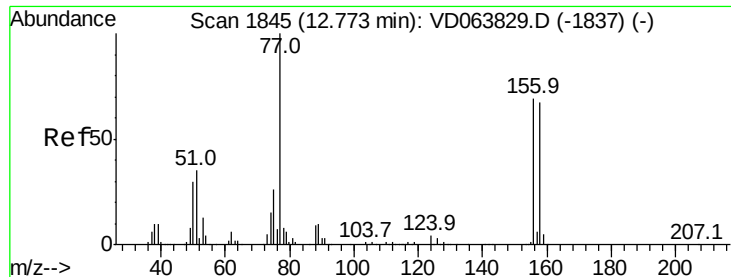
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 3.546 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

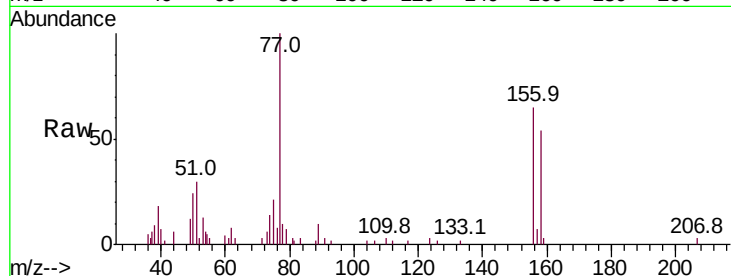
Tot Ion:156 Resp: 9508

Ion Ratio Lower Upper

156 100

77 168.4 79.8 239.4

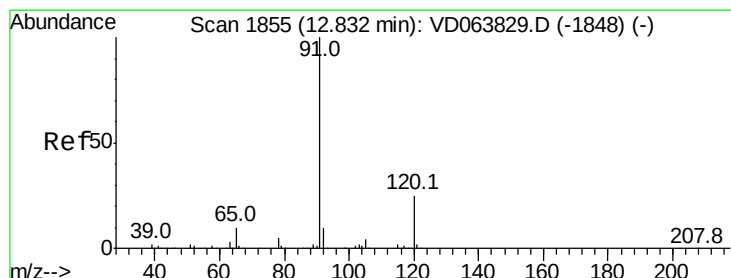
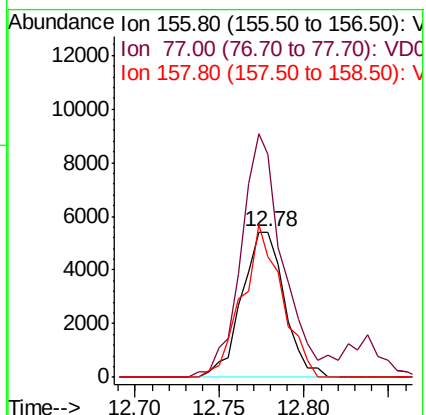
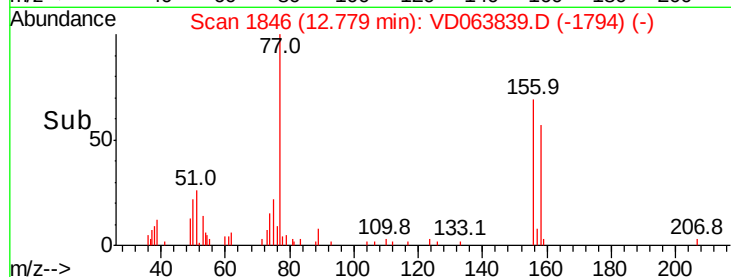
158 97.8 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.394 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063839.D

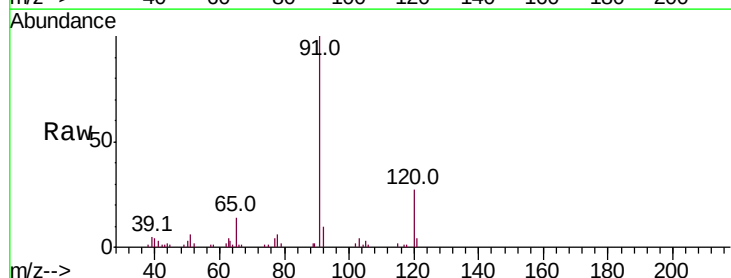
Acq: 26 Sep 2019 15:30

Tgt Ion: 91 Resp: 44552

Ion Ratio Lower Upper

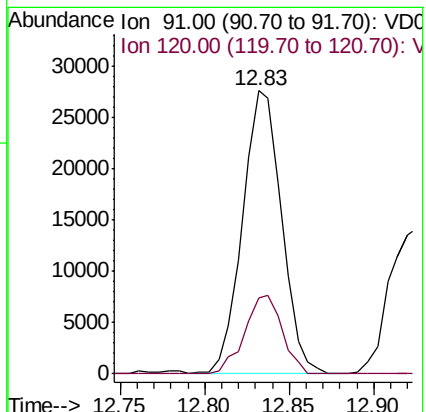
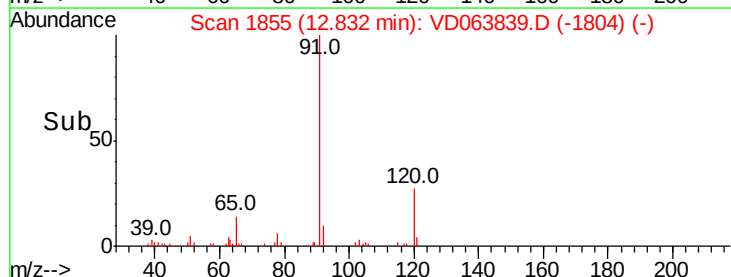
91 100

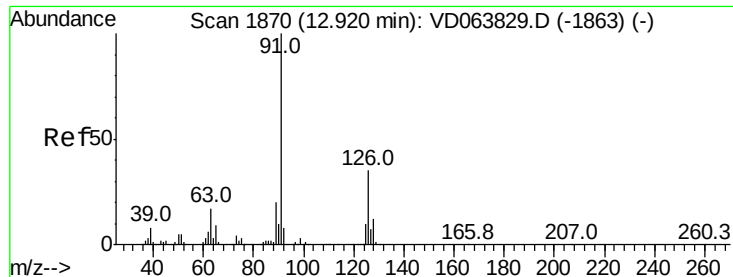
120 26.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.565 ug/l

RT: 12.93 min Scan# 1871

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

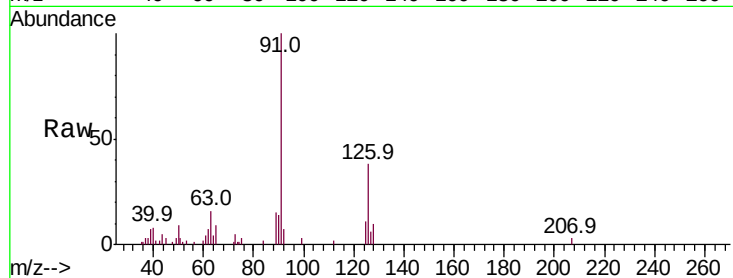
ClientSampleId :

Tot Ion: 91 Resp: 25236

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.93

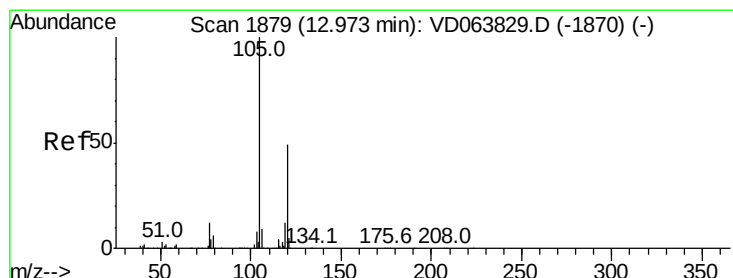
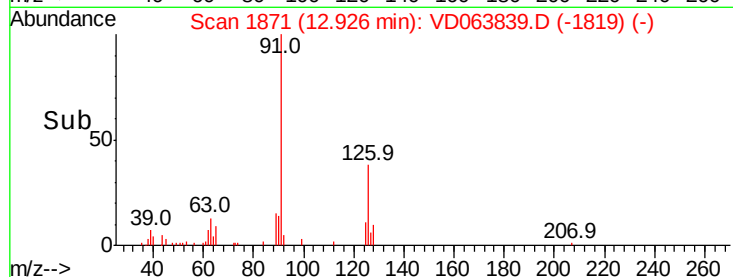
15000

10000

5000

0

Time--> 12.85 12.90 12.95



#80

1,3,5-Trimethylbenzene

Concen: 3.463 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063839.D

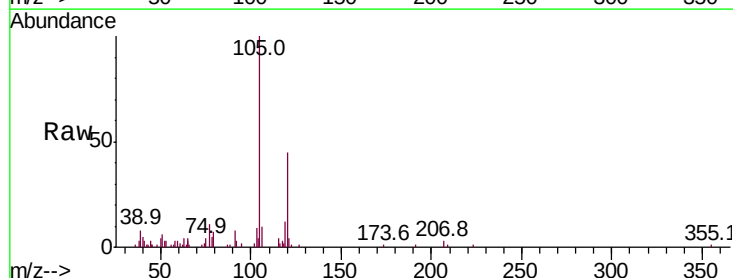
Acq: 26 Sep 2019 15:30

Tgt Ion:105 Resp: 32211

Ion Ratio Lower Upper

105 100

120 48.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

25000

20000

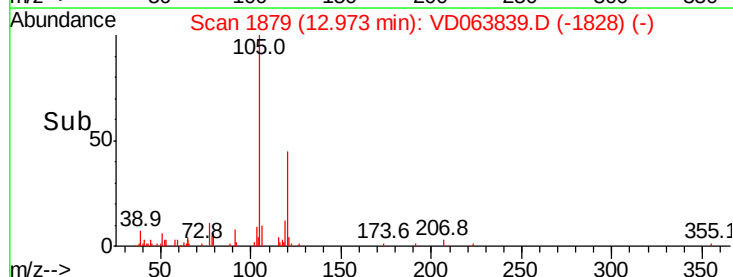
15000

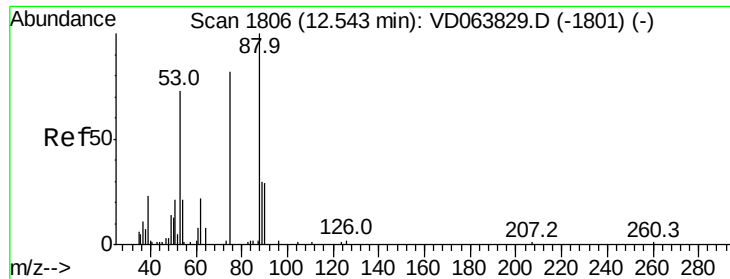
10000

5000

0

Time--> 12.90 12.95 13.00

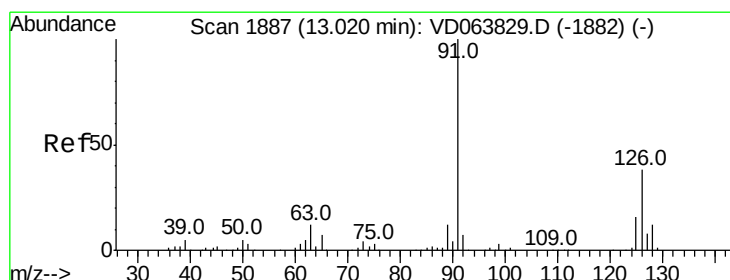
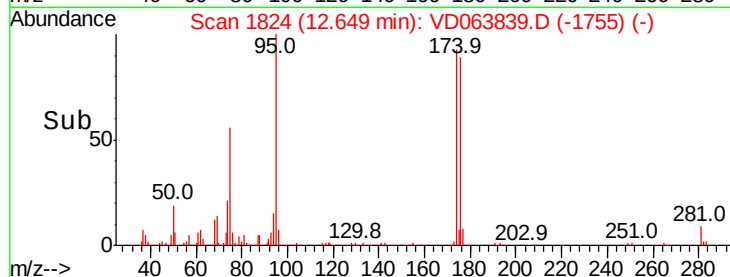
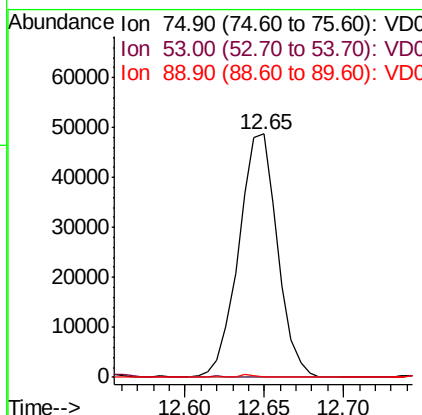
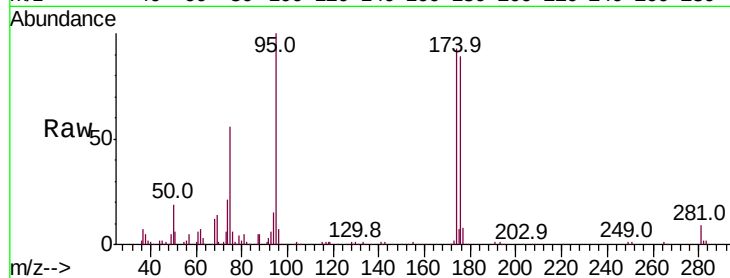




#81
trans-1,4-Dichloro-2-butene
Concen: 133.149 ug/l
RT: 12.65 min Scan# 1824
Delta R.T. 0.11 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

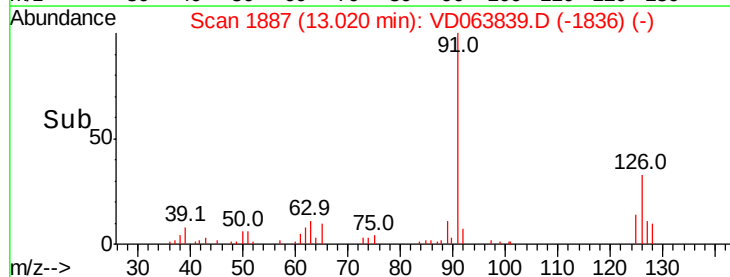
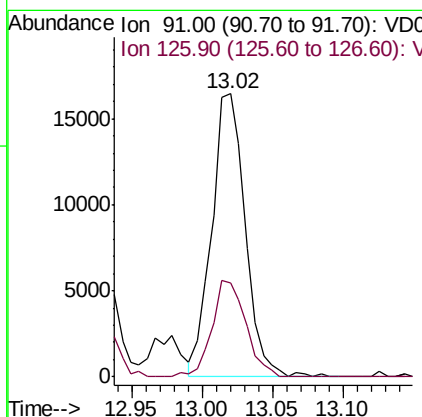
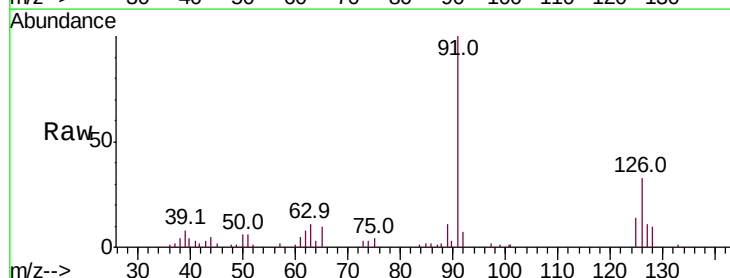
Instrument :
MSVOA_D
ClientSampleId :

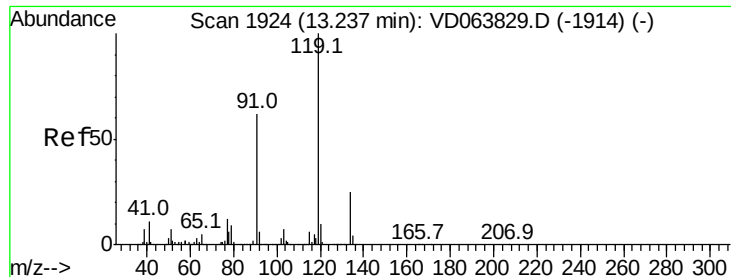
Tot Ion: 75 Resp: 82573
Ion Ratio Lower Upper
75 100
53 0.0 76.5 114.7#
89 0.6 37.0 55.6#



#82
4-Chlorotoluene
Concen: 3.598 ug/l
RT: 13.02 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 91 Resp: 27172
Ion Ratio Lower Upper
91 100
126 34.6 18.6 55.6

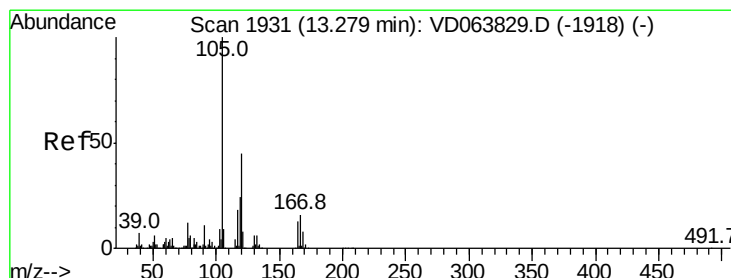
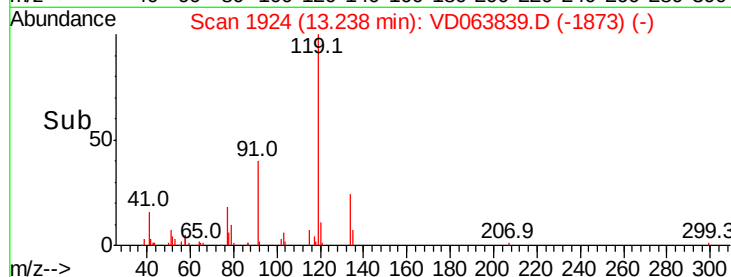
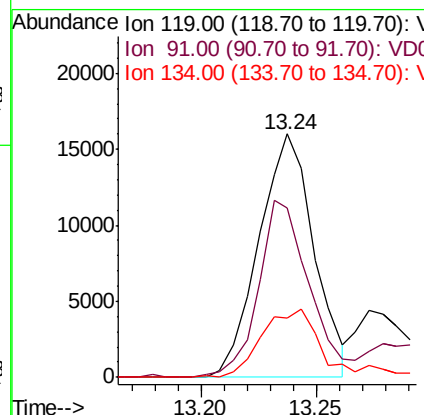
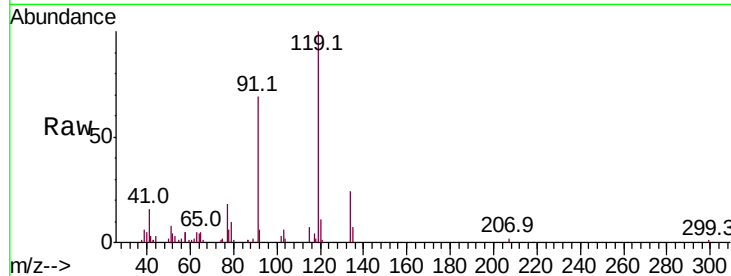




#83
 tert-Butylbenzene
 Concen: 3.262 ug/l
 RT: 13.24 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

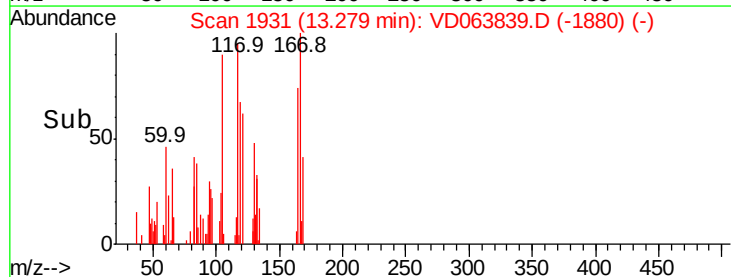
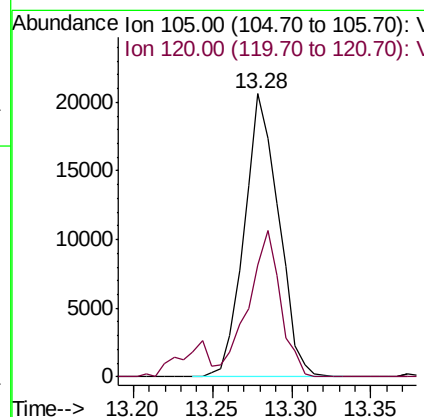
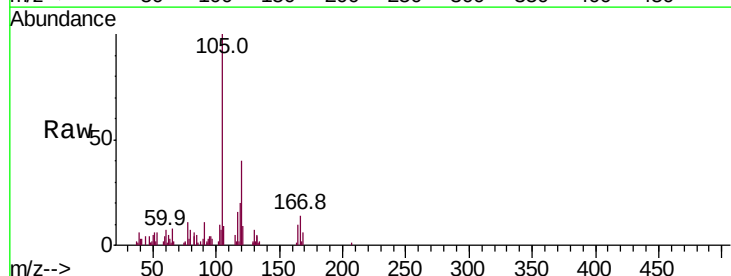
Instrument :
 MSVOA_D
 ClientSampleId :

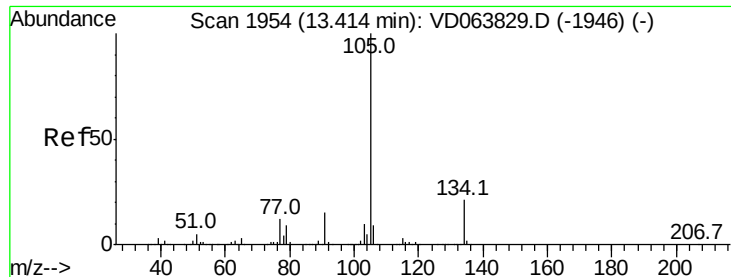
Tot Ion:119 Resp: 26507
 Ion Ratio Lower Upper
 119 100
 91 67.6 30.8 92.3
 134 31.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 3.286 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion:105 Resp: 31031
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 3.394 ug/l

RT: 13.42 min Scan# 1955

Delta R.T. 0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

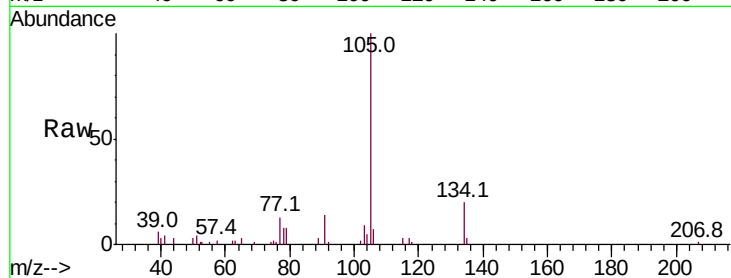
ClientSampled :

Tot Ion:105 Resp: 38376

Ion Ratio Lower Upper

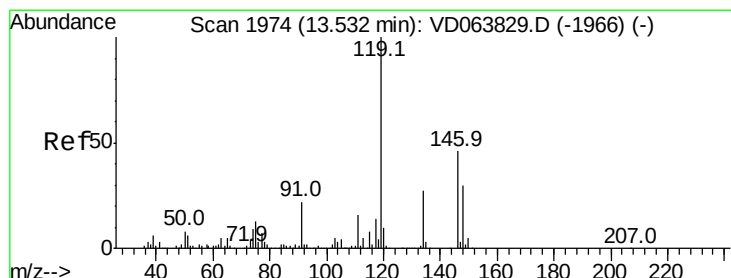
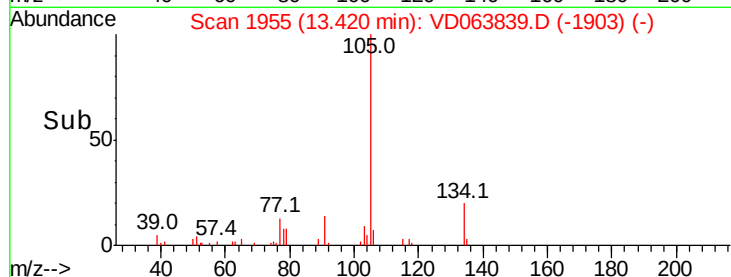
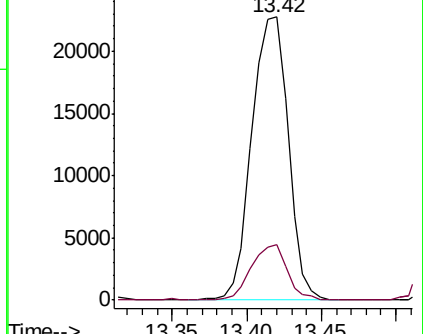
105 100

134 19.2 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: 3.303 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

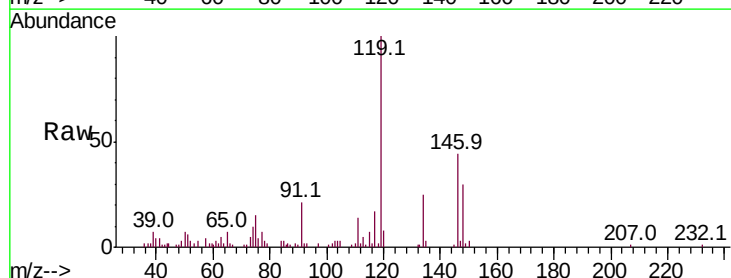
Tgt Ion:119 Resp: 35078

Ion Ratio Lower Upper

119 100

134 25.4 13.2 39.6

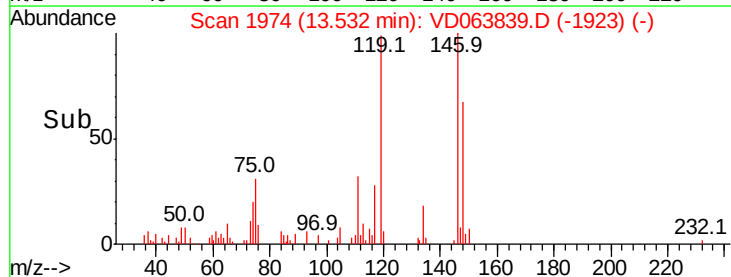
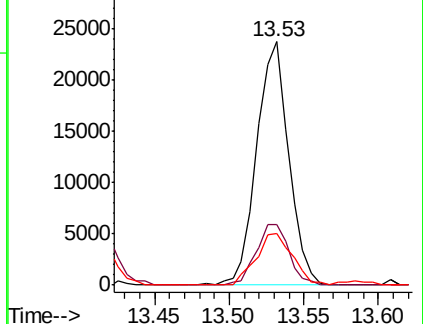
91 24.1 11.4 34.1

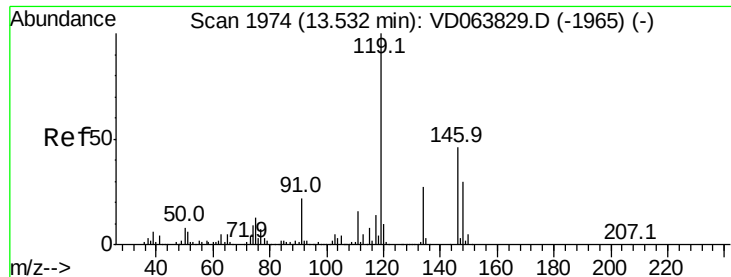


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 3.454 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampled :

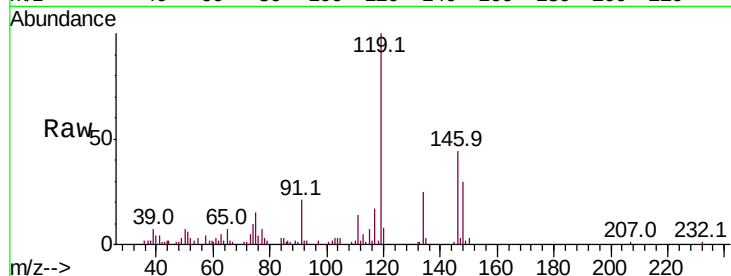
Tot Ion:146 Resp: 18184

Ion Ratio Lower Upper

146 100

111 33.6 18.3 54.8

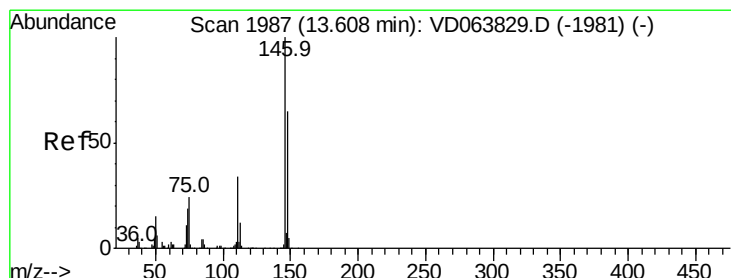
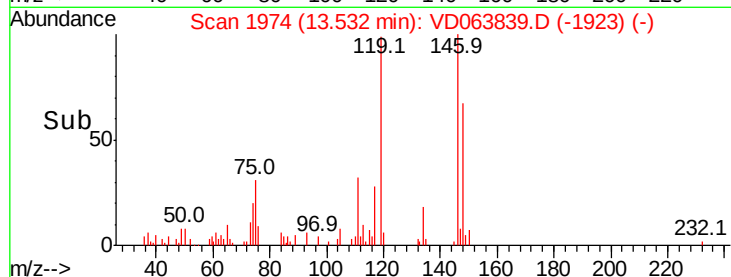
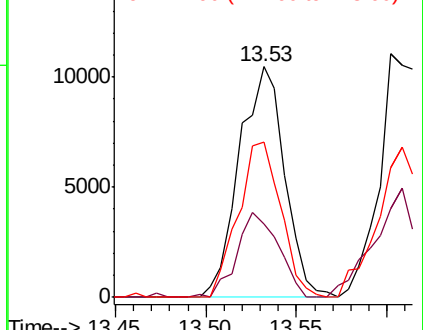
148 63.4 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 3.562 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

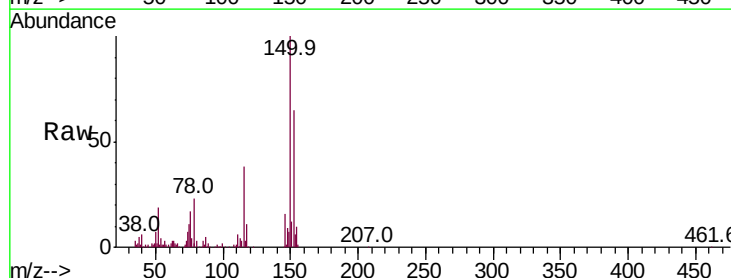
Tgt Ion:146 Resp: 18649

Ion Ratio Lower Upper

146 100

111 44.8 18.5 55.5

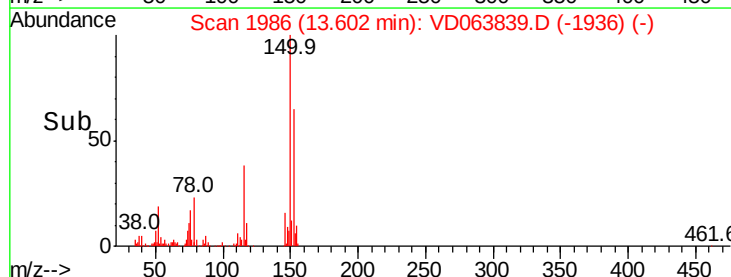
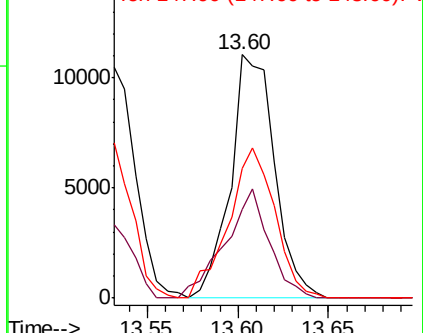
148 65.4 33.0 99.0

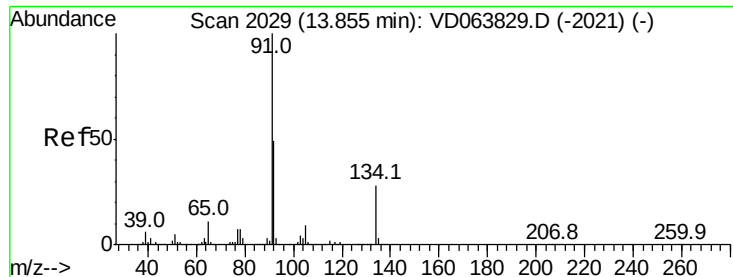


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

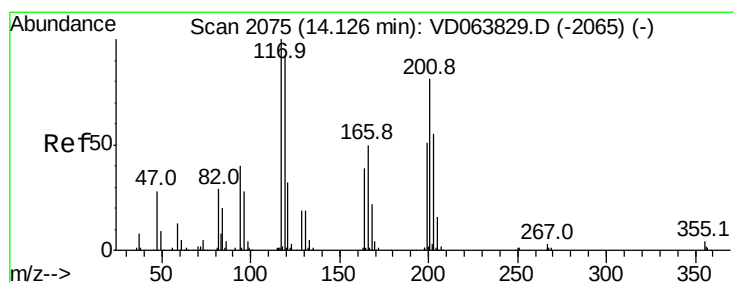
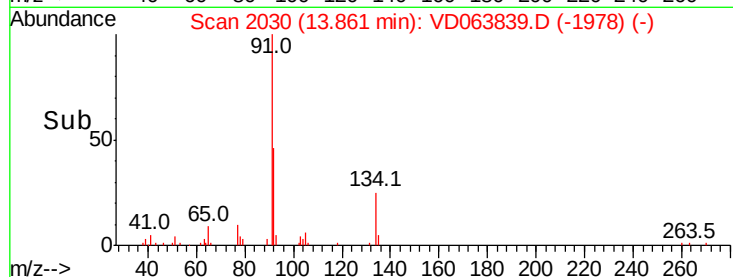
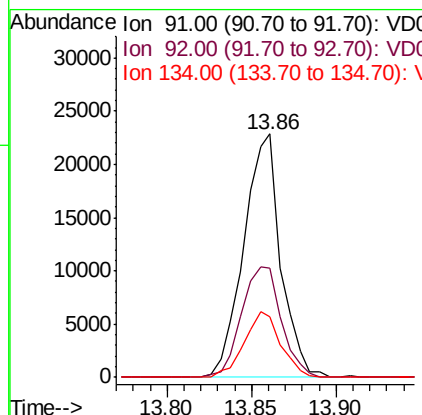
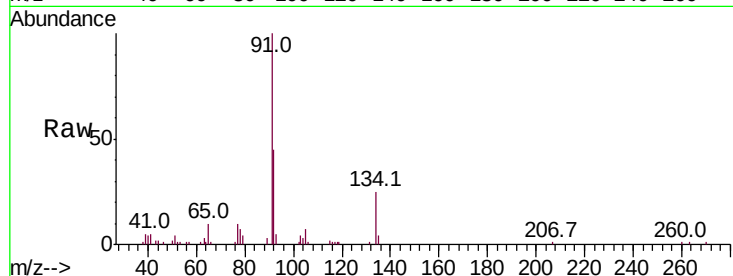




#89
n-Butylbenzene
Concen: 3.459 ug/l
RT: 13.86 min Scan# 2030
Delta R.T. 0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

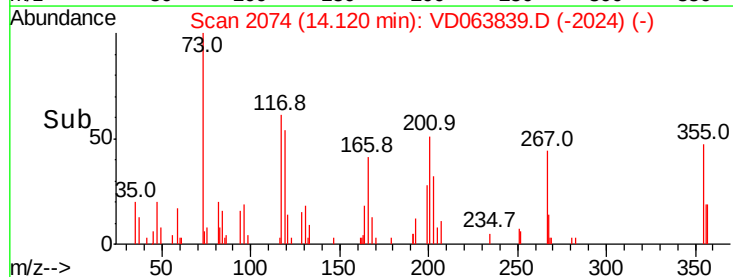
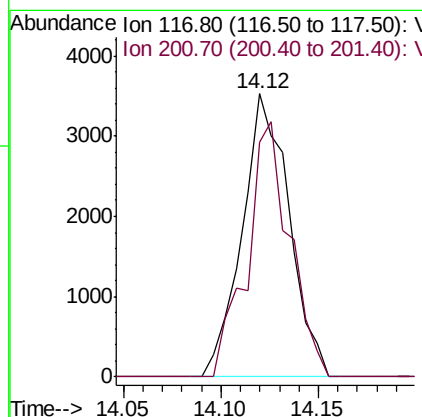
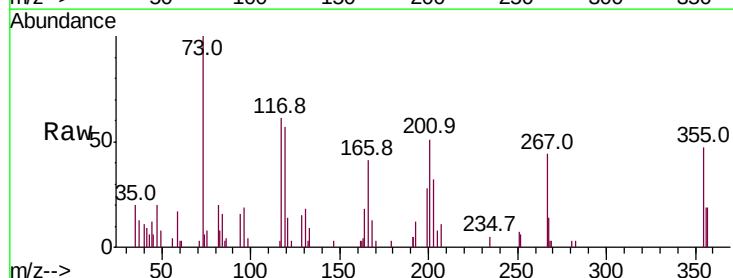
Instrument :
MSVOA_D
ClientSampleId :

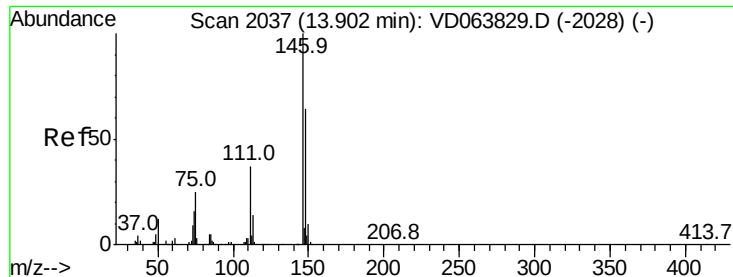
Tot Ion: 91 Resp: 34962
Ion Ratio Lower Upper
91 100
92 48.7 26.1 78.2
134 26.4 14.0 41.9



#90
Hexachloroethane
Concen: 2.986 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD063839.D
Acq: 26 Sep 2019 15:30

Tgt Ion: 117 Resp: 5873
Ion Ratio Lower Upper
117 100
201 81.7 39.3 117.8

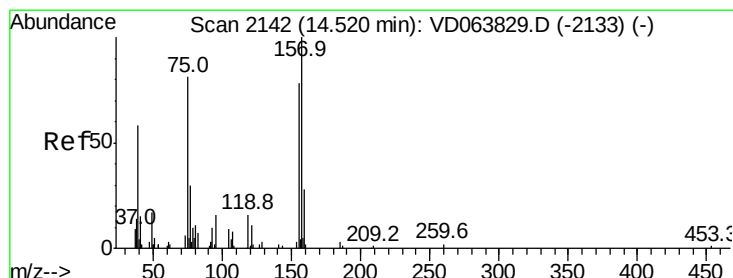
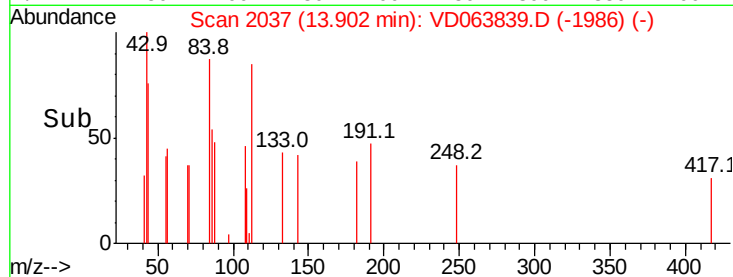
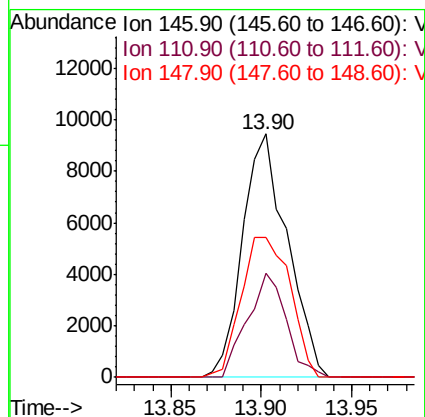
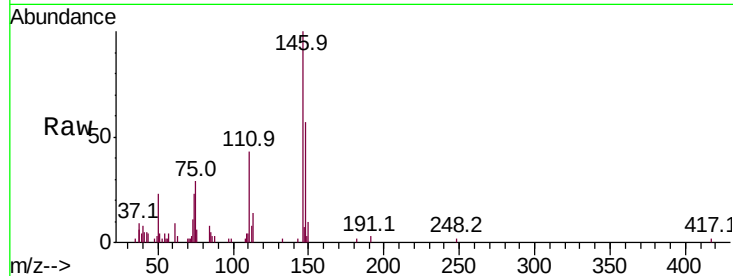




#91
 1,2-Dichlorobenzene
 Concen: 3.588 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

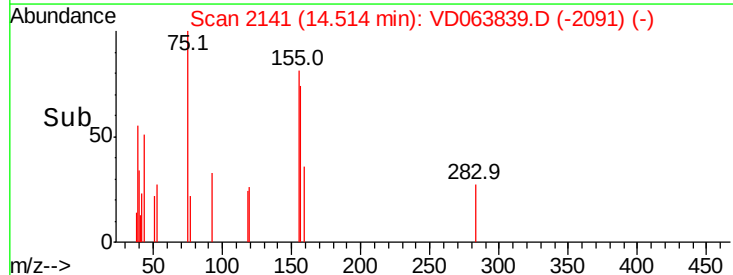
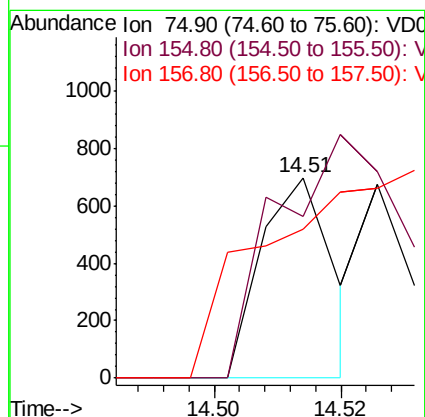
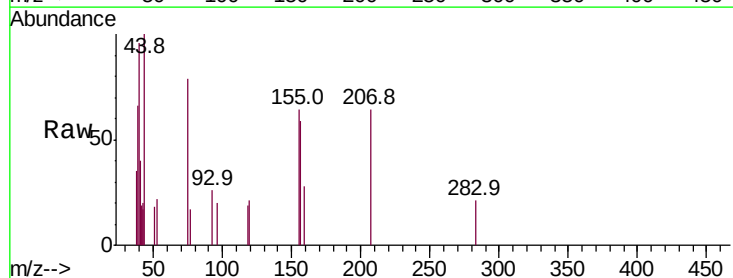
Instrument :
 MSVOA_D
 ClientSampleId :

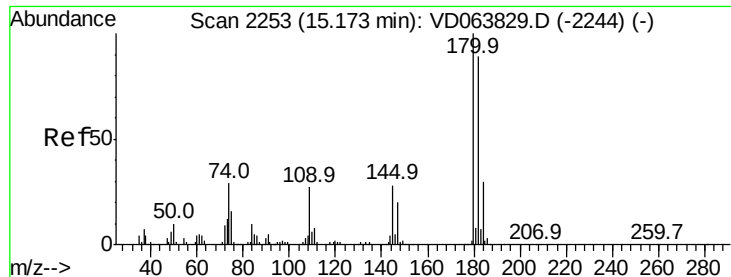
Tot Ion:146 Resp: 16200
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.7
 148 63.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.747 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion: 75 Resp: 548
 Ion Ratio Lower Upper
 75 100
 155 207.1 48.0 144.0#
 157 268.8 63.2 189.8#

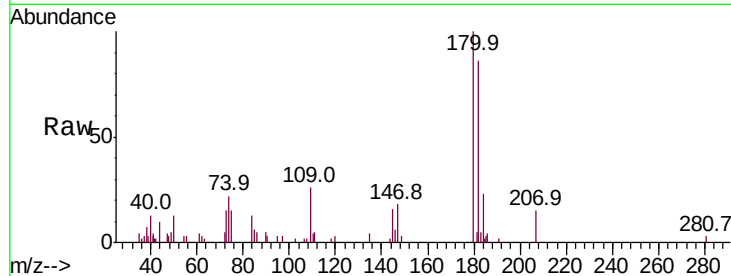




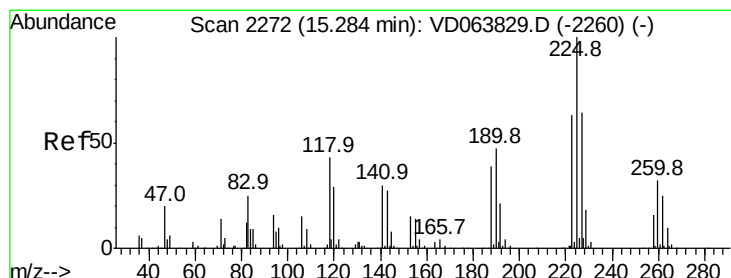
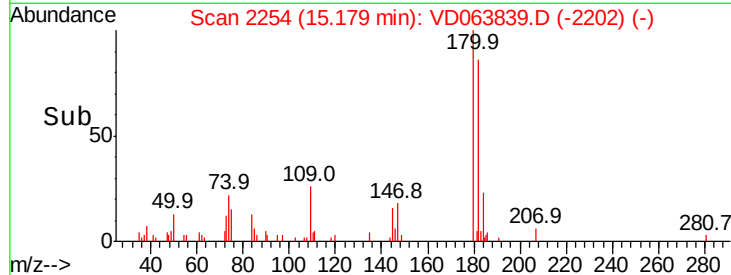
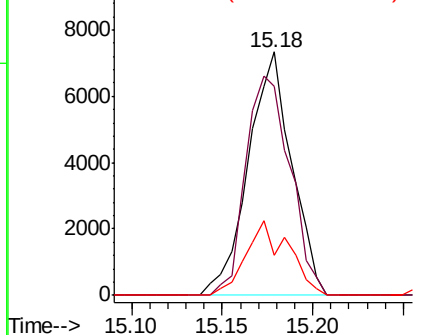
#93
 1,2,4-Trichlorobenzene
 Concen: 3.580 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	46.5	139.5
145	29.5	14.4	43.4

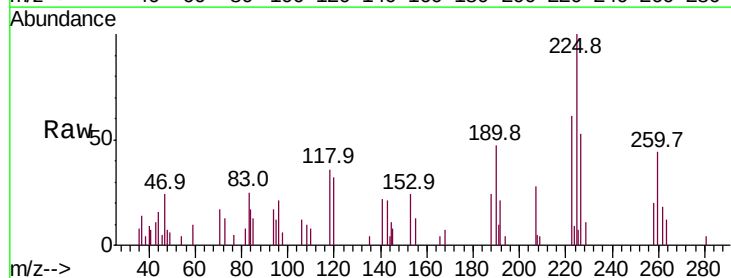


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

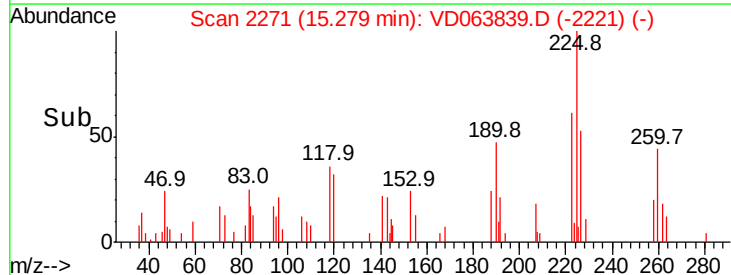
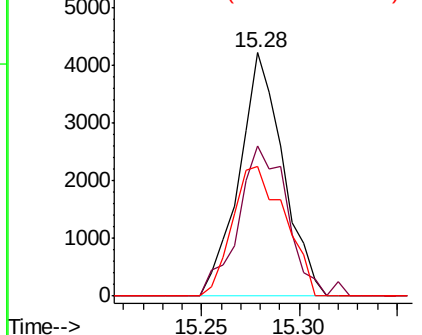


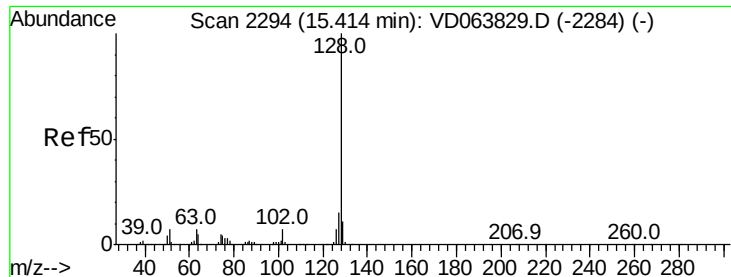
#94
 Hexachlorobutadiene
 Concen: 3.391 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063839.D
 Acq: 26 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.3	32.8	98.3
227	63.2	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: 3.163 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

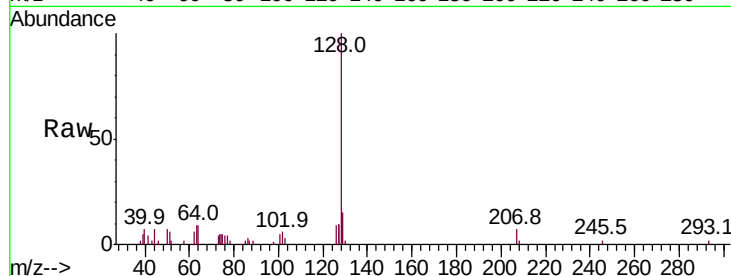
Tot Ion:128 Resp: 19479

Ion Ratio Lower Upper

128 100

127 15.6 10.8 16.2

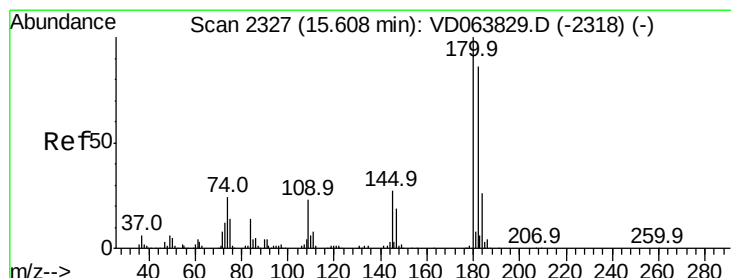
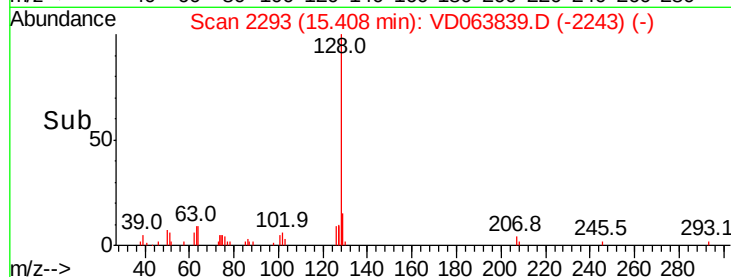
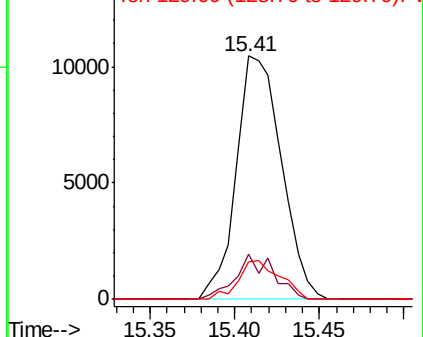
129 14.7 8.8 13.2#



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: 3.481 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD063839.D

Acq: 26 Sep 2019 15:30

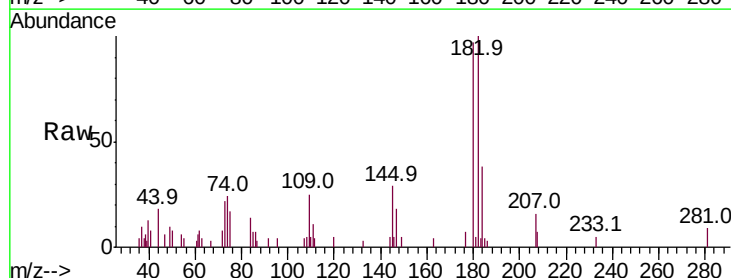
Tgt Ion:180 Resp: 10582

Ion Ratio Lower Upper

180 100

182 95.1 46.6 139.7

145 34.0 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

