

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063841.D
 Acq On : 26 Sep 2019 17:19
 Operator : VA/SY
 Sample : VSTDCCC050EC
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 26 18:13:57 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	229777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	361033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	352494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	190761	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.36	65	110644	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	7.94	113	112713	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.36	98	447735	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.65	95	153599	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	87582	55.577	ug/l	90
3) Chloromethane	2.21	50	210162	53.865	ug/l	96
4) Vinyl Chloride	2.36	62	237033	48.635	ug/l	98
5) Bromomethane	2.78	94	145566	51.049	ug/l	100
6) Chloroethane	2.94	64	159421	57.416	ug/l	97
7) Trichlorofluoromethane	3.29	101	332066	50.678	ug/l	95
8) Diethyl Ether	3.72	74	51732	54.446	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	95751	49.260	ug/l	99
10) Methyl Iodide	4.31	142	133472	57.514	ug/l	99
11) Tert butyl alcohol	5.27	59	42840	289.217	ug/l #	72
12) 1,1-Dichloroethene	4.08	96	95823	48.837	ug/l	92
13) Acrolein	3.94	56	48324	235.436	ug/l	97
14) Allyl chloride	4.74	41	151160	48.738	ug/l	97
15) Acrylonitrile	5.46	53	121984	258.440	ug/l	99
16) Acetone	4.19	43	131181	304.076	ug/l	96
17) Carbon Disulfide	4.42	76	326167	49.175	ug/l	99
18) Methyl Acetate	4.75	43	55700	53.206	ug/l	96
19) Methyl tert-butyl Ether	5.51	73	253829	51.671	ug/l	91
20) Methylene Chloride	4.99	84	125903	53.266	ug/l	96
21) trans-1,2-Dichloroethene	5.50	96	115374	50.517	ug/l	95
22) Diisopropyl ether	6.39	45	317699	49.597	ug/l	97
23) Vinyl Acetate	6.34	43	984501	259.849	ug/l	100
24) 1,1-Dichloroethane	6.29	63	200918	51.628	ug/l	97
25) 2-Butanone	7.24	43	169887	267.573	ug/l	94
26) 2,2-Dichloropropane	7.23	77	180268	49.531	ug/l	98
27) cis-1,2-Dichloroethene	7.23	96	132677	51.772	ug/l	99
28) Bromochloromethane	7.57	49	80935	53.000	ug/l #	98
29) Tetrahydrofuran	7.59	42	97668	256.725	ug/l	96
30) Chloroform	7.74	83	214230	50.682	ug/l	96
31) Cyclohexane	8.01	56	184360	55.423	ug/l	98
32) 1,1,1-Trichloroethane	7.93	97	192720	50.422	ug/l	96
36) 1,1-Dichloropropene	8.13	75	169286	51.405	ug/l	98
37) Ethyl Acetate	7.33	43	66576	54.461	ug/l	99
38) Carbon Tetrachloride	8.12	117	178291	52.016	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	213023	51.950	ug/l	99
40) Benzene	8.37	78	468939	51.706	ug/l	100
41) Methacrylonitrile	7.55	41	40080	55.847	ug/l	96
42) 1,2-Dichloroethane	8.45	62	135129	50.952	ug/l	99
43) Isopropyl Acetate	8.48	43	139734	50.679	ug/l	98
44) Trichloroethene	9.13	130	135188	51.471	ug/l	97
45) 1,2-Dichloropropane	9.41	63	115927	51.745	ug/l	97
46) Dibromomethane	9.50	93	66158	52.320	ug/l	98
47) Bromodichloromethane	9.68	83	171814	52.709	ug/l	99
48) Methyl methacrylate	9.47	41	70947	56.574	ug/l	93
49) 1,4-Dioxane	9.48	88	19324	1095.454	ug/l	89
51) 4-Methyl-2-Pentanone	10.25	43	358114	257.815	ug/l	98
52) Toluene	10.42	92	324552	52.777	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	168887	52.270	ug/l	99
54) cis-1,3-Dichloropropene	10.11	75	197944	53.970	ug/l	97
55) 1,1,2-Trichloroethane	10.82	97	92743	51.906	ug/l	93
56) Ethyl methacrylate	10.68	69	120341	52.991	ug/l	99
57) 1,3-Dichloropropane	10.96	76	158912	52.344	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.96	63	252073	248.347	ug/l	97
59) 2-Hexanone	11.00	43	264727	267.109	ug/l	99
60) Dibromochloromethane	11.16	129	128192	54.366	ug/l	99
61) 1,2-Dibromoethane	11.26	107	95317	53.363	ug/l	98
64) Tetrachloroethene	10.89	164	122300	51.507	ug/l	96
65) Chlorobenzene	11.68	112	359000	50.630	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.76	131	133813	51.350	ug/l	100
67) Ethyl Benzene	11.76	91	664730	51.900	ug/l	99
68) m/p-Xylenes	11.87	106	515891	104.889	ug/l	97
69) o-Xylene	12.20	106	242967	52.338	ug/l	99
70) Styrene	12.21	104	412589	52.514	ug/l	98
71) Bromoform	12.38	173	79038	54.599	ug/l #	99
73) Isopropylbenzene	12.50	105	657889	50.492	ug/l	100
74) N-amyl acetate	12.30	43	140186	49.149	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	107831	49.650	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	145119	100.328	ug/l #	100
77) Bromobenzene	12.77	156	161883	51.697	ug/l	99
78) n-propylbenzene	12.83	91	773831	50.481	ug/l	97
79) 2-Chlorotoluene	12.92	91	422331	51.079	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	556568	51.241	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	36986	51.067	ug/l	99
82) 4-Chlorotoluene	13.02	91	439682	49.850	ug/l	99
83) tert-Butylbenzene	13.24	119	487528	51.369	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	567922	51.503	ug/l	100
85) sec-Butylbenzene	13.41	105	676008	51.189	ug/l	100
86) p-Isopropyltoluene	13.53	119	639679	51.575	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	311909	50.732	ug/l	97
88) 1,4-Dichlorobenzene	13.61	146	314395	51.417	ug/l	99
89) n-Butylbenzene	13.86	91	605869	51.326	ug/l	99
90) Hexachloroethane	14.13	117	117622	51.200	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	278429	52.795	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	17740	48.411	ug/l	98

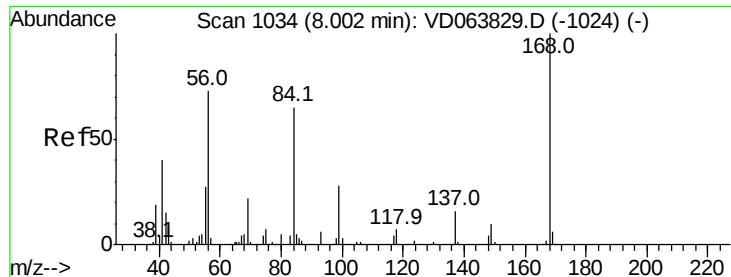
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	218902	54.659	ug/l	99
94) Hexachlorobutadiene	15.28	225	122998	54.204	ug/l	97
95) Naphthalene	15.41	128	391485	54.434	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	188854	53.189	ug/l	97

(#) = 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: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

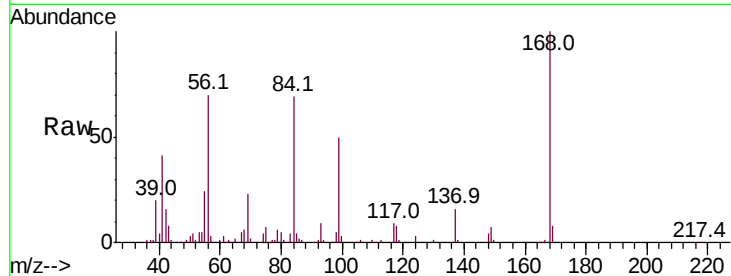
VSTDCCC050EC

Tot Ion:168 Resp: 229777

Ion Ratio Lower Upper

168 100

99 50.3 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

100000

80000

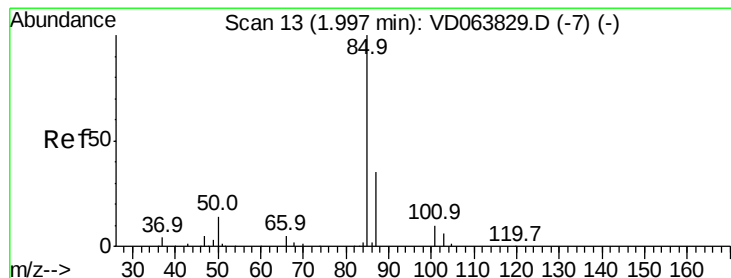
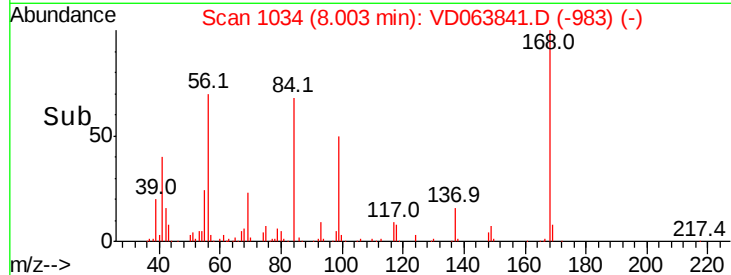
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 55.577 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063841.D

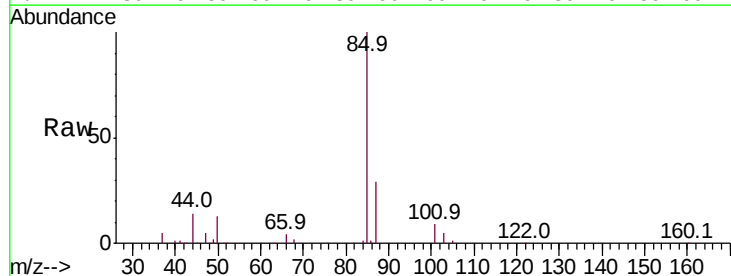
Acq: 26 Sep 2019 17:19

Tgt Ion: 85 Resp: 87582

Ion Ratio Lower Upper

85 100

87 28.8 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

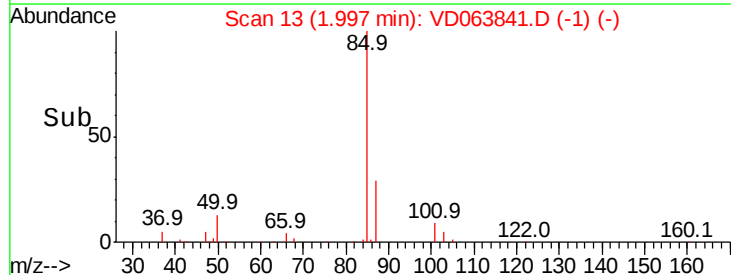
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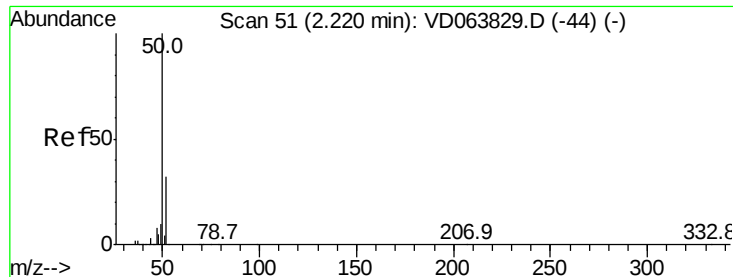
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 53.865 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

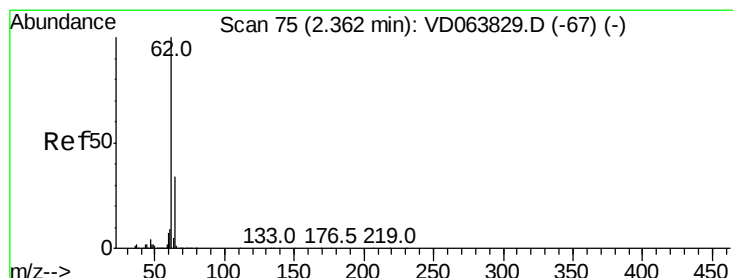
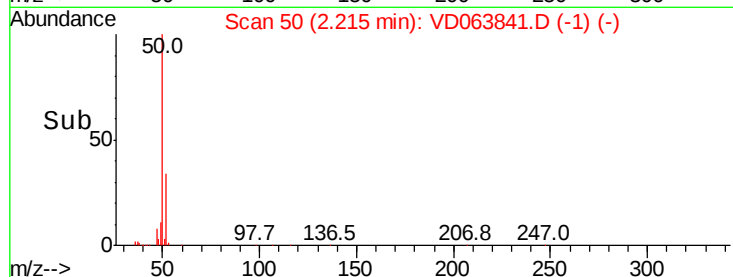
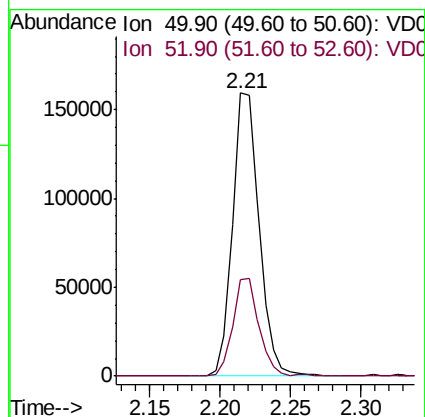
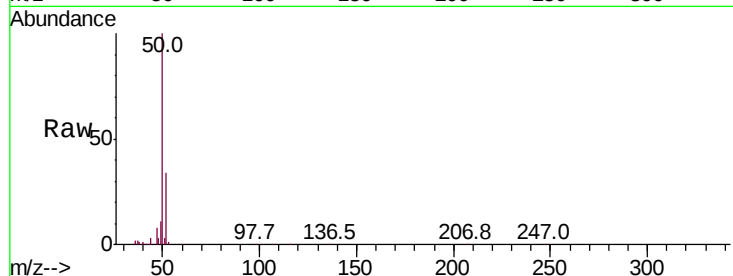
VSTDCCC050EC

Tot Ion: 50 Resp: 210162

Ion Ratio Lower Upper

50 100

52 34.2 25.6 38.4



#4

Vinyl Chloride

Concen: 48.635 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063841.D

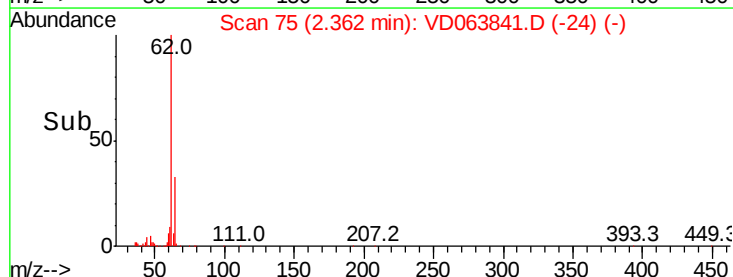
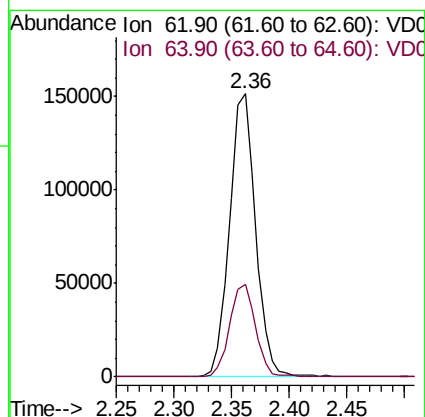
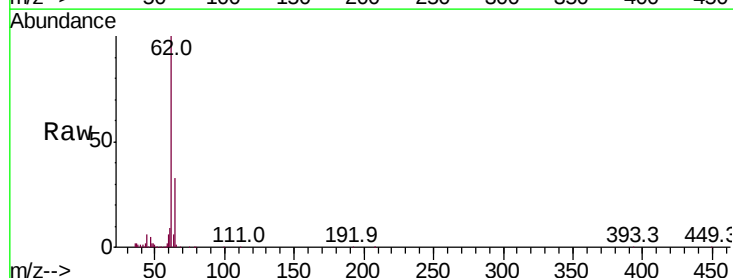
Acq: 26 Sep 2019 17:19

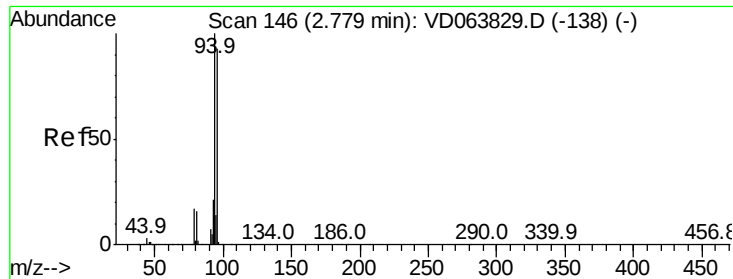
Tgt Ion: 62 Resp: 237033

Ion Ratio Lower Upper

62 100

64 32.7 27.1 40.7





#5

Bromomethane

Concen: 51.049 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

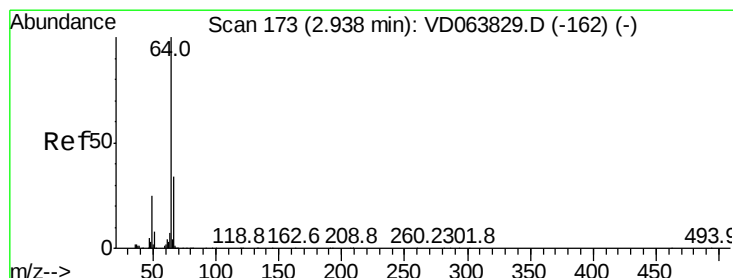
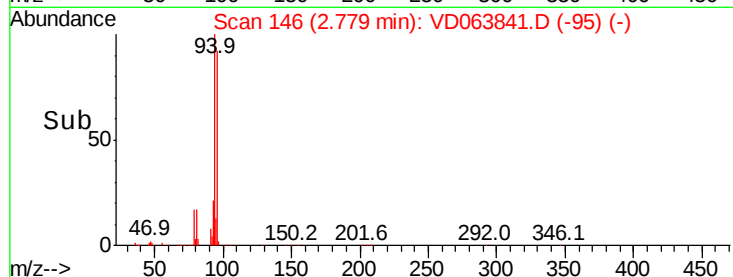
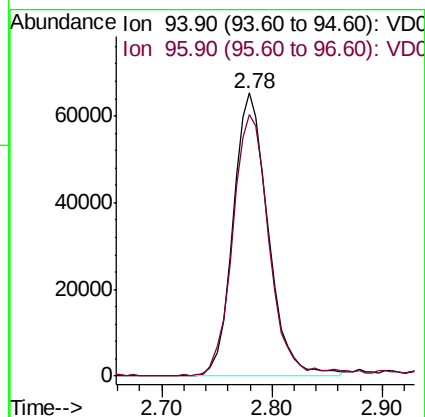
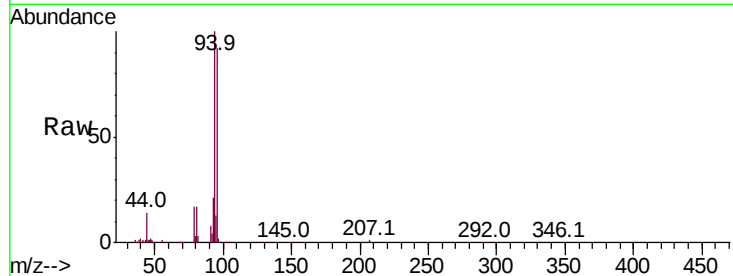
VSTDCCC050EC

Tot Ion: 94 Resp: 145566

Ion Ratio Lower Upper

94 100

96 92.4 74.2 111.2



#6

Chloroethane

Concen: 57.416 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063841.D

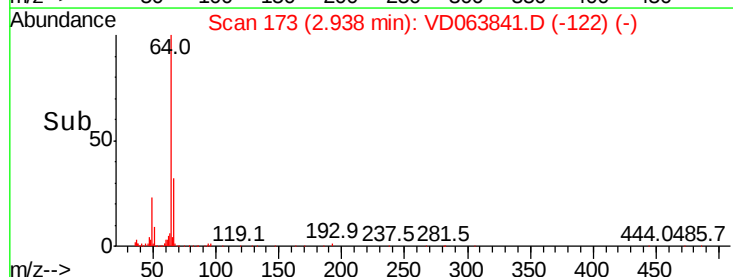
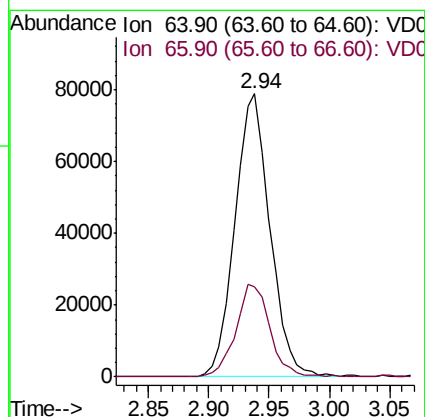
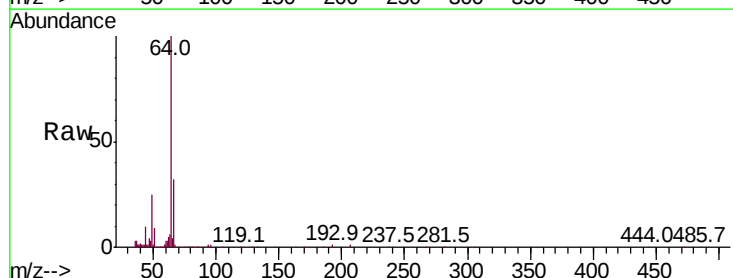
Acq: 26 Sep 2019 17:19

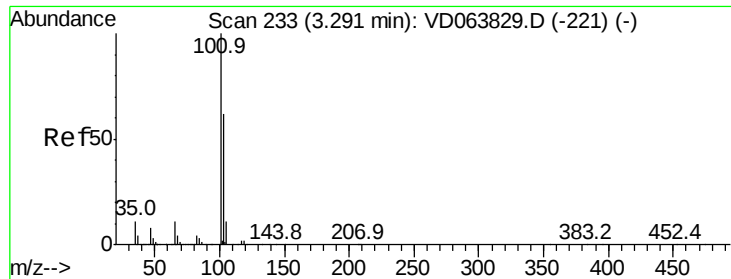
Tgt Ion: 64 Resp: 159421

Ion Ratio Lower Upper

64 100

66 32.0 26.9 40.3



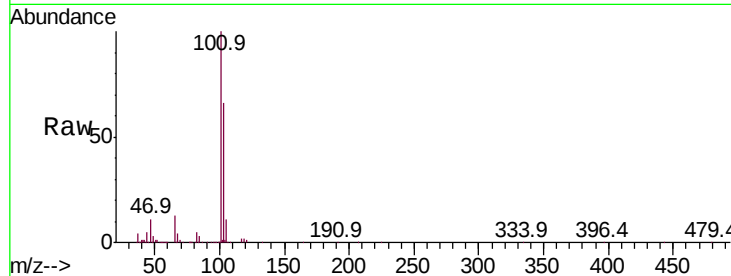


#7

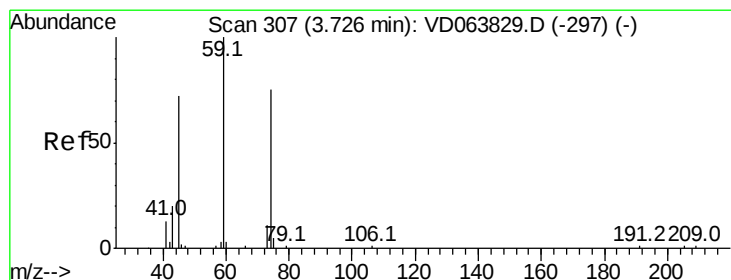
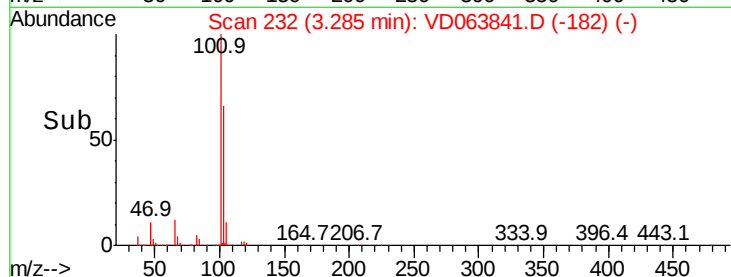
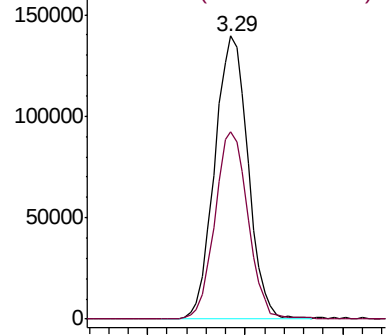
Trichlorofluoromethane
Concen: 50.678 ug/l
RT: 3.29 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Instrument :
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VSTDCCC050EC

Tot Ion:101 Resp: 332066
Ion Ratio Lower Upper
101 100
103 66.0 49.8 74.8



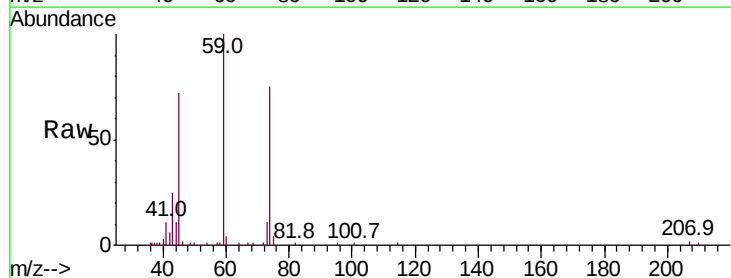
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



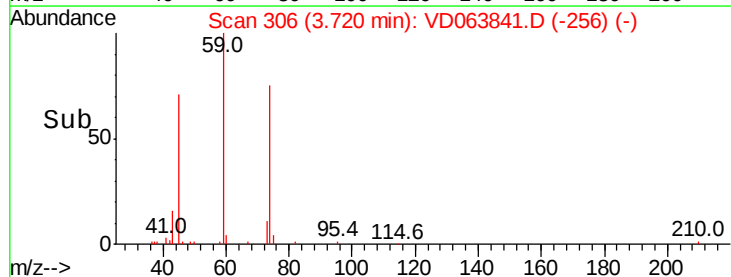
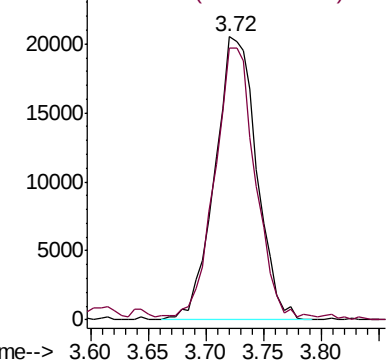
#8

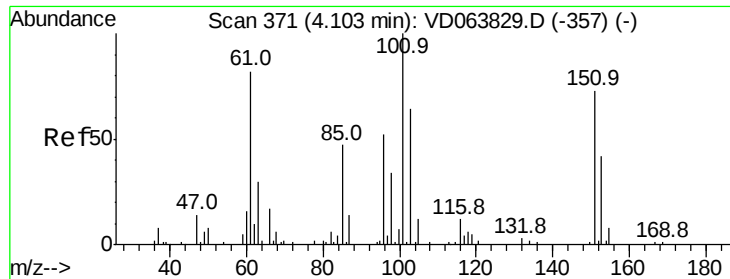
Diethyl Ether
Concen: 54.446 ug/l
RT: 3.72 min Scan# 306
Delta R.T. -0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 74 Resp: 51732
Ion Ratio Lower Upper
74 100
45 90.3 48.9 146.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.260 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

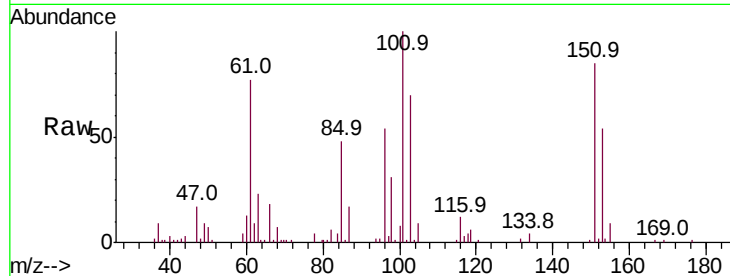
Tot Ion:101 Resp: 95751

Ion Ratio Lower Upper

101 100

85 46.5 37.8 56.6

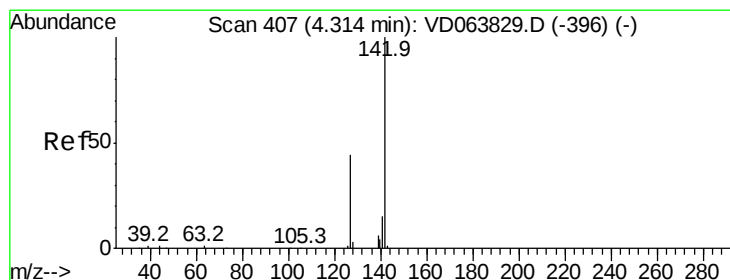
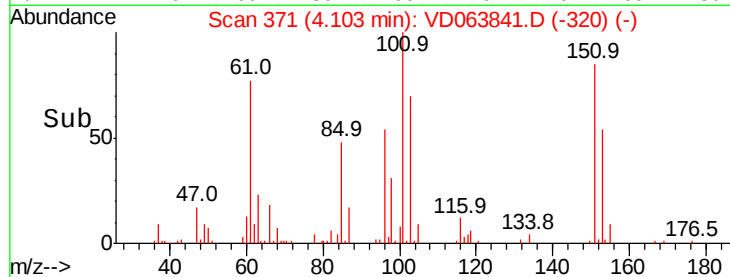
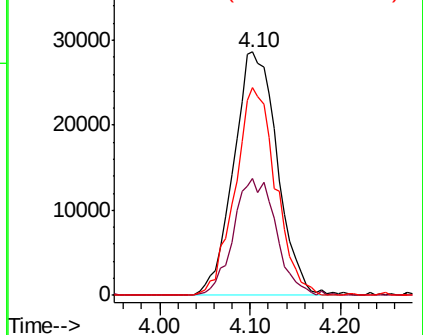
151 79.4 64.2 96.2



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: 57.514 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

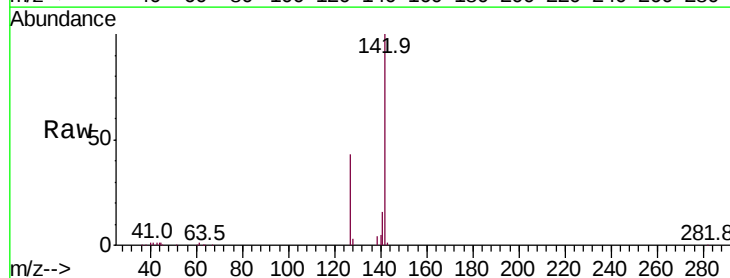
Tgt Ion:142 Resp: 133472

Ion Ratio Lower Upper

142 100

127 43.9 35.8 53.6

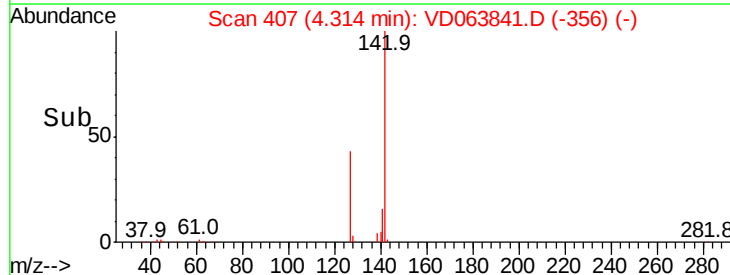
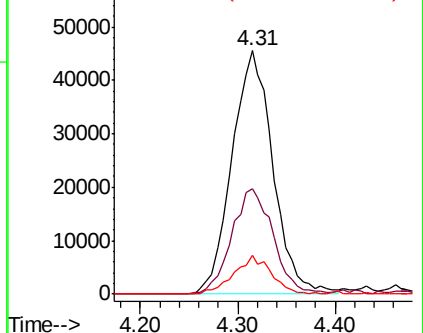
141 14.4 11.9 17.9

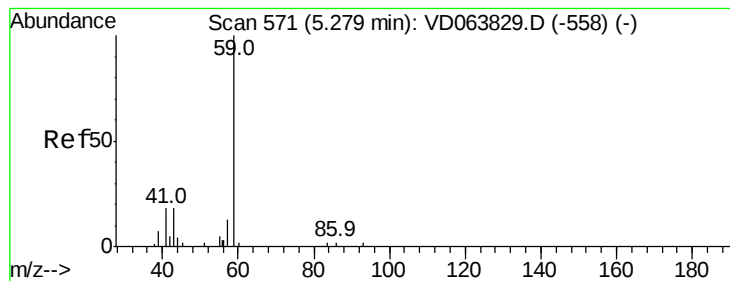


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



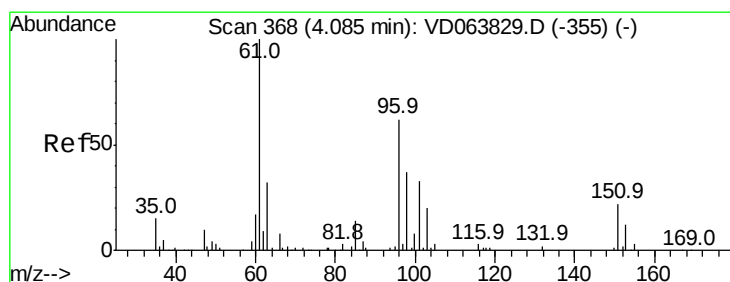
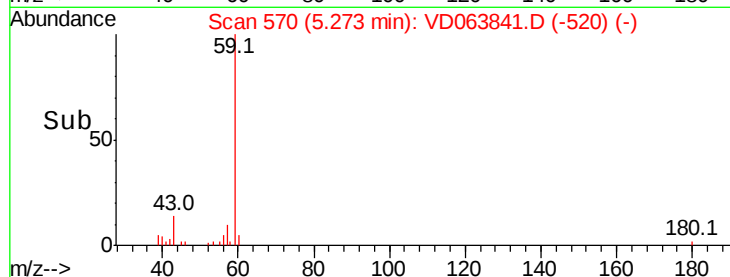
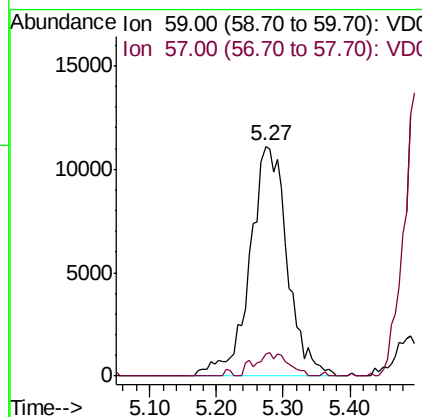
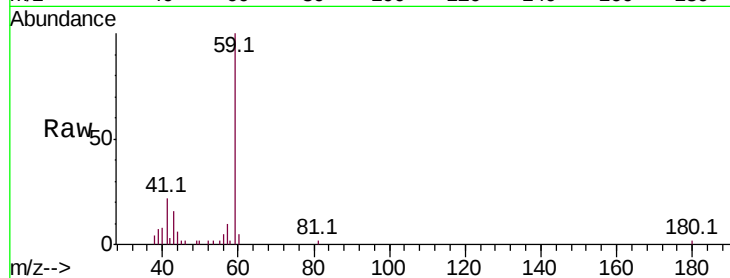


#11

Tert butyl alcohol
 Concen: 289.217 ug/l
 RT: 5.27 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

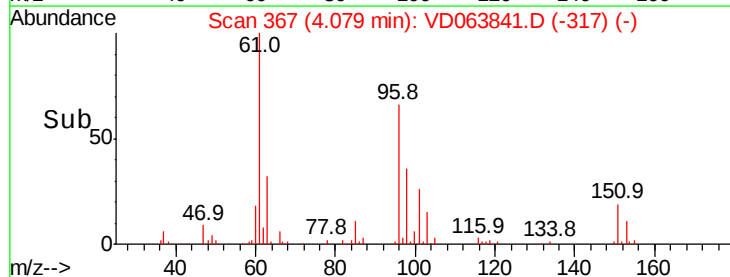
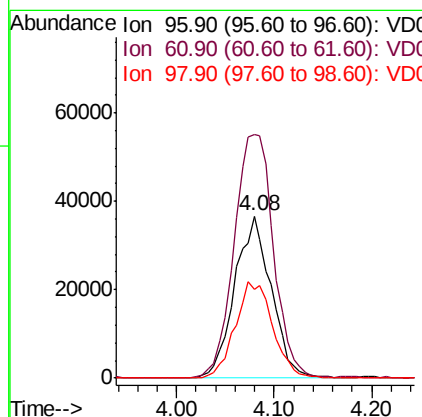
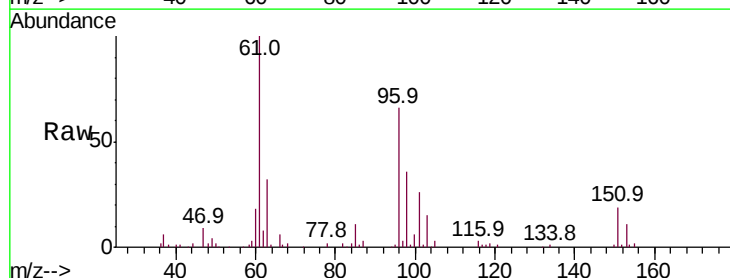
Tot Ion: 59 Resp: 42840
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

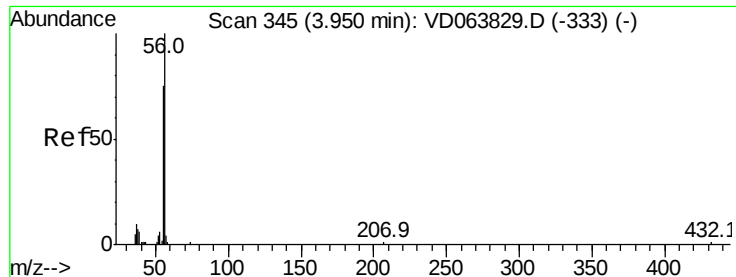


#12

1,1-Dichloroethene
 Concen: 48.837 ug/l
 RT: 4.08 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion: 96 Resp: 95823
 Ion Ratio Lower Upper
 96 100
 61 150.4 129.0 193.4
 98 54.6 47.8 71.6





#13

Acrolein

Concen: 235.436 ug/l

RT: 3.94 min Scan# 344

Delta R.T. -0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

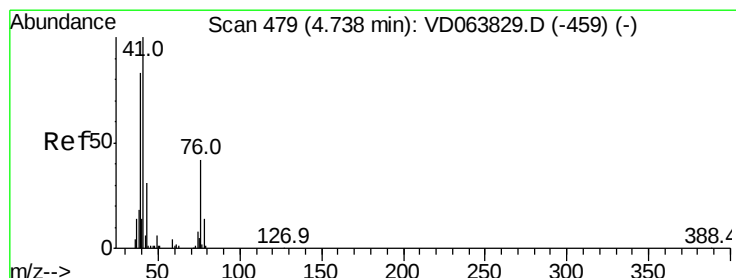
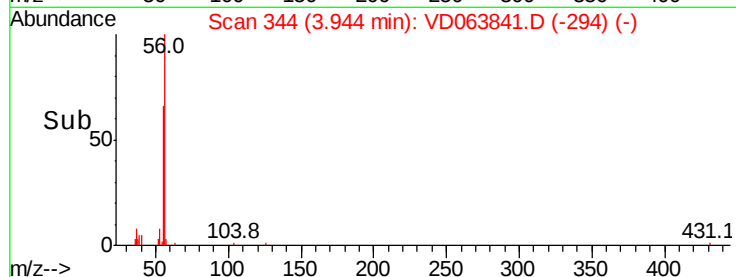
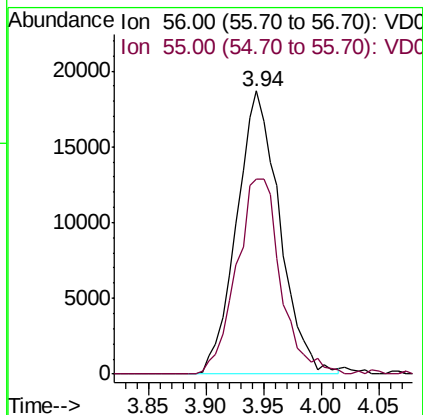
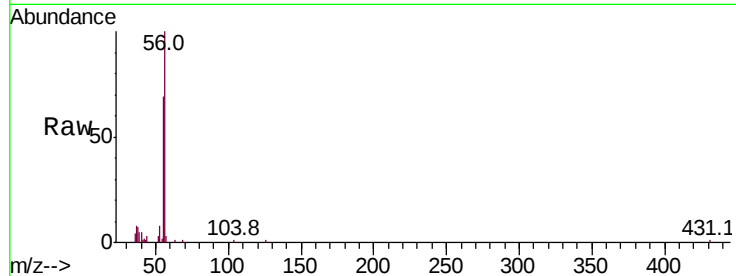
VSTDCCC050EC

Tot Ion: 56 Resp: 48324

Ion Ratio Lower Upper

56 100

55 71.0 55.0 82.6



#14

Allyl chloride

Concen: 48.738 ug/l

RT: 4.74 min Scan# 479

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

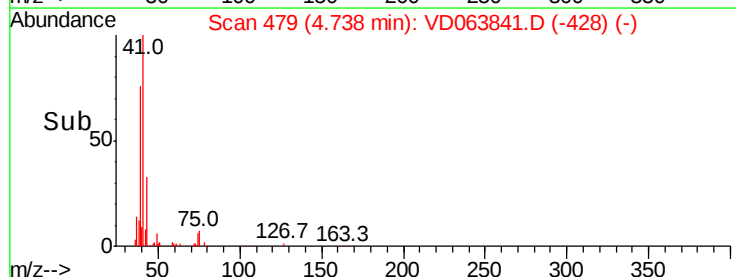
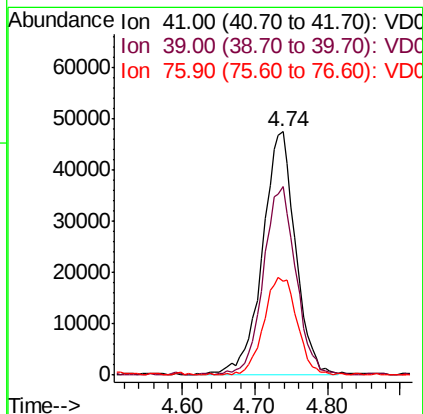
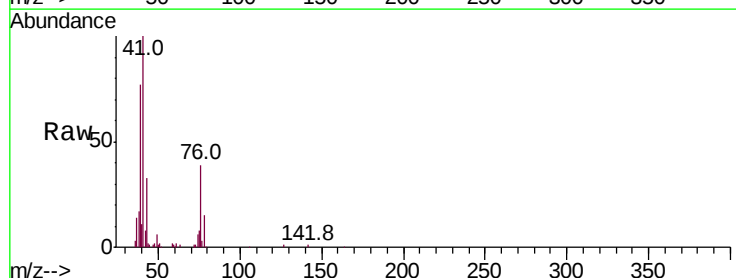
Tgt Ion: 41 Resp: 151160

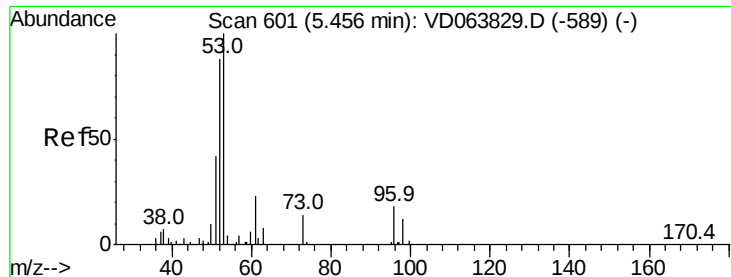
Ion Ratio Lower Upper

41 100

39 76.3 63.7 95.5

76 40.4 33.5 50.3





#15

Acrylonitrile

Concen: 258.440 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

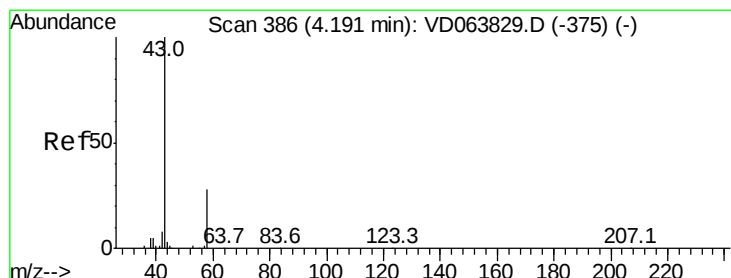
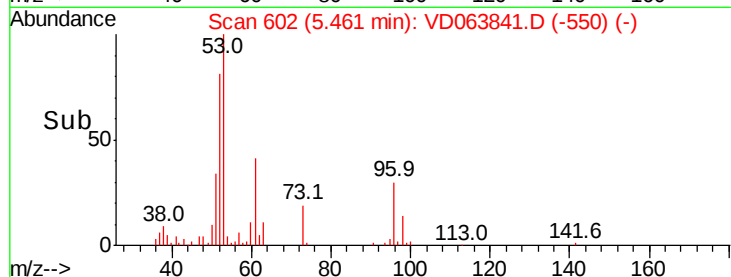
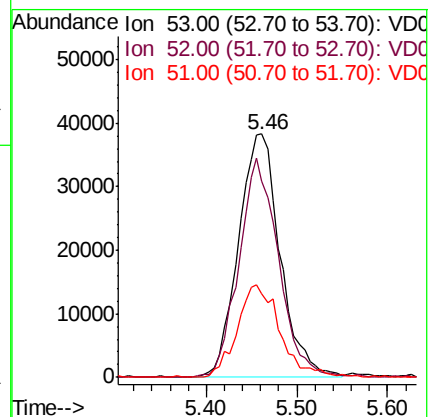
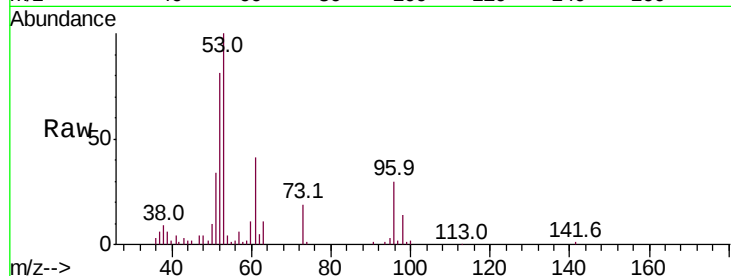
Tot Ion: 53 Resp: 121984

Ion Ratio Lower Upper

53 100

52 85.5 68.7 103.1

51 38.8 30.7 46.1



#16

Acetone

Concen: 304.076 ug/l

RT: 4.19 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD063841.D

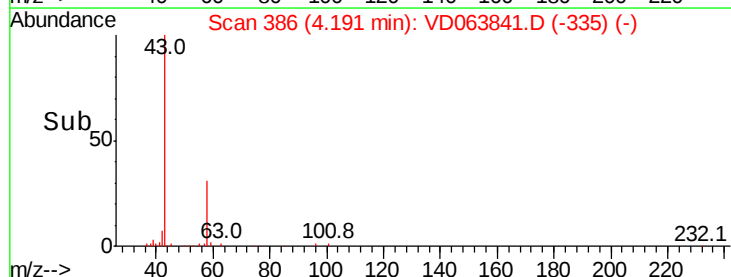
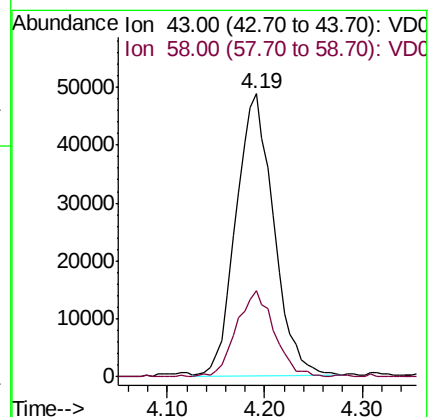
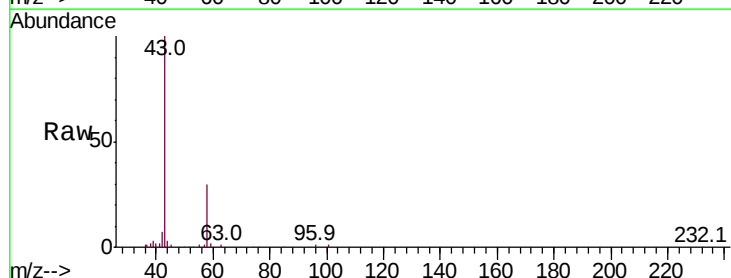
Acq: 26 Sep 2019 17:19

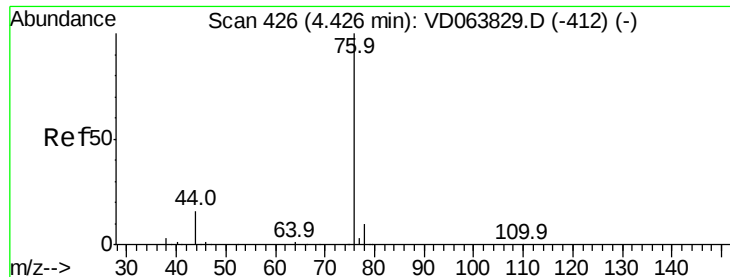
Tgt Ion: 43 Resp: 131181

Ion Ratio Lower Upper

43 100

58 30.6 22.6 34.0

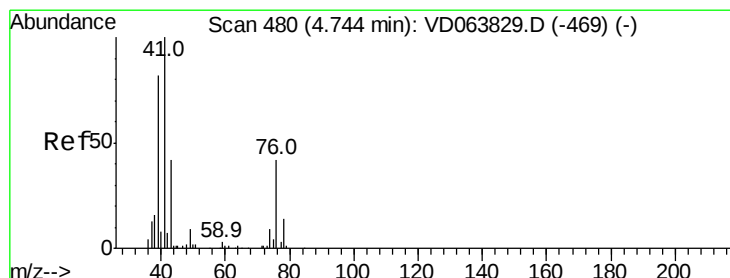
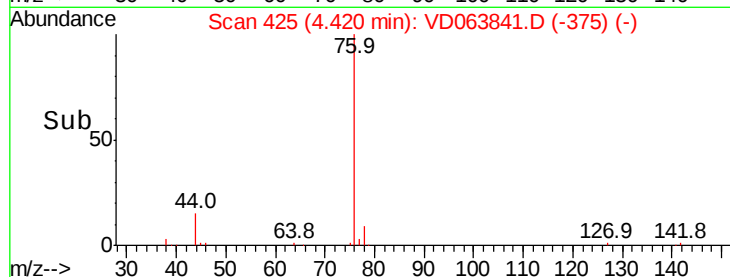
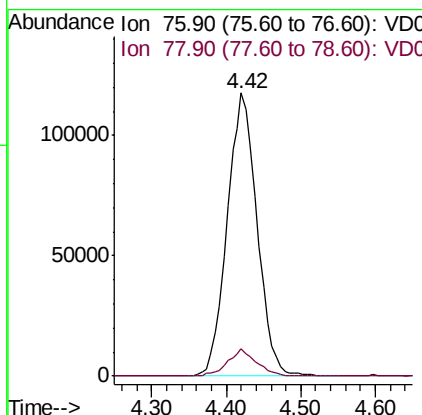
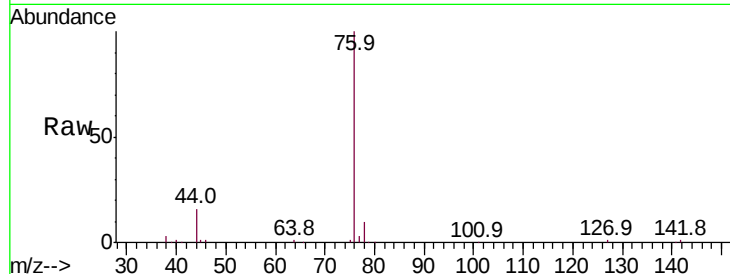




#17
Carbon Disulfide
Concen: 49.175 ug/l
RT: 4.42 min Scan# 425
Delta R.T. -0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

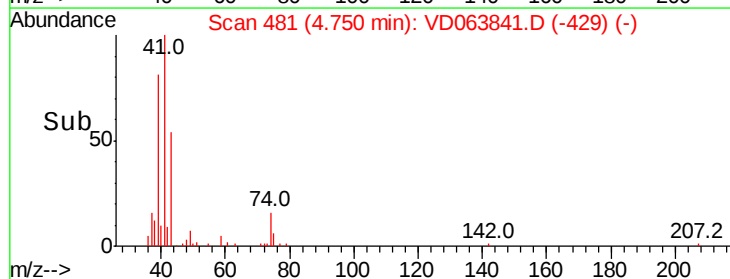
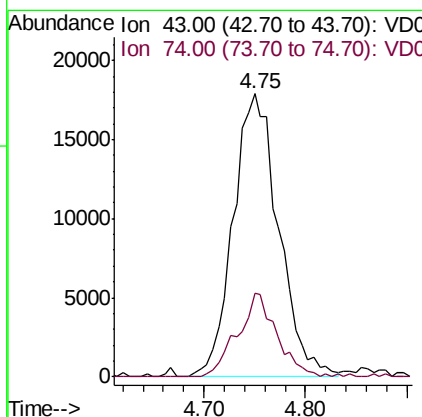
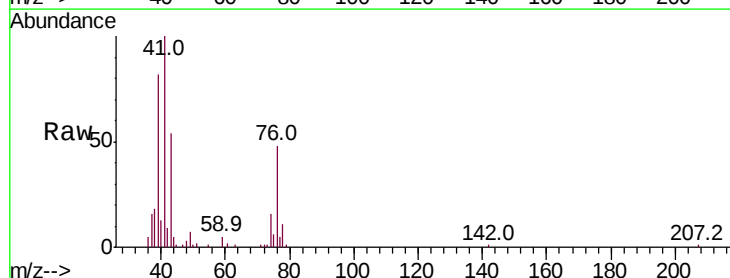
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

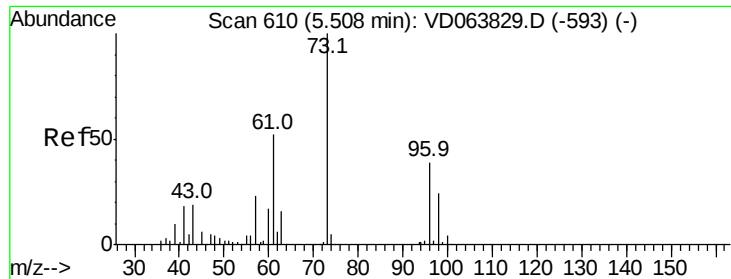
Tot Ion: 76 Resp: 326167
Ion Ratio Lower Upper
76 100
78 9.5 7.9 11.9



#18
Methyl Acetate
Concen: 53.206 ug/l
RT: 4.75 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 43 Resp: 55700
Ion Ratio Lower Upper
43 100
74 25.4 18.6 28.0

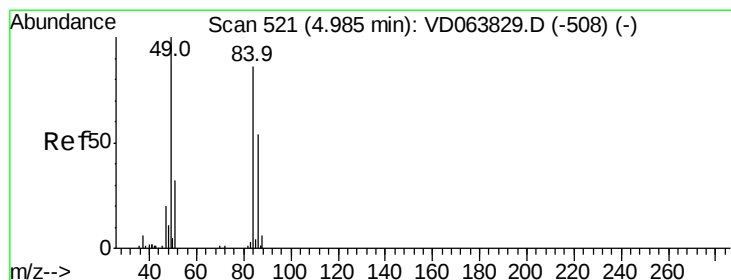
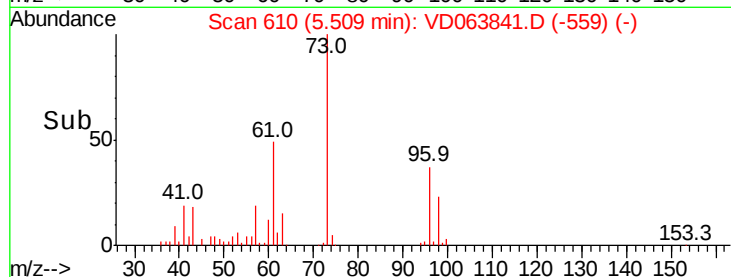
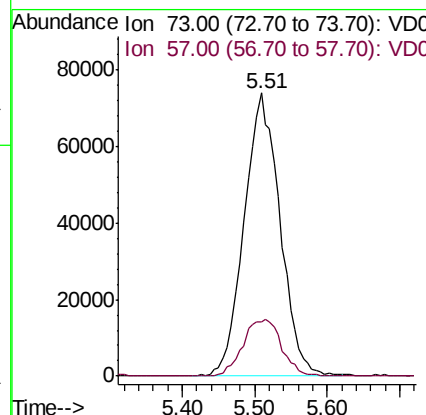
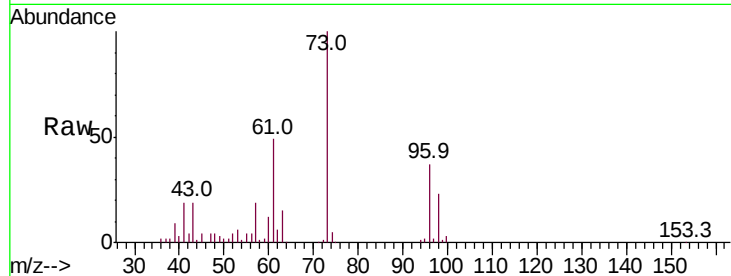




#19
Methvl tert-butvl Ether
Concen: 51.671 ug/l
RT: 5.51 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

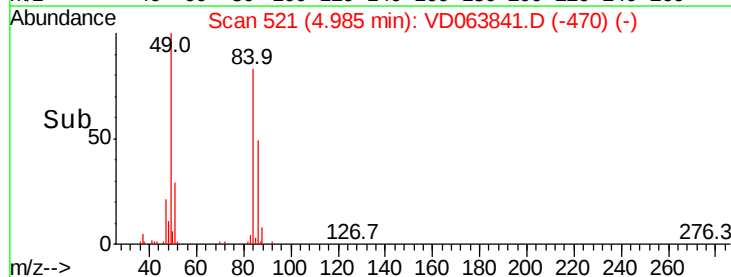
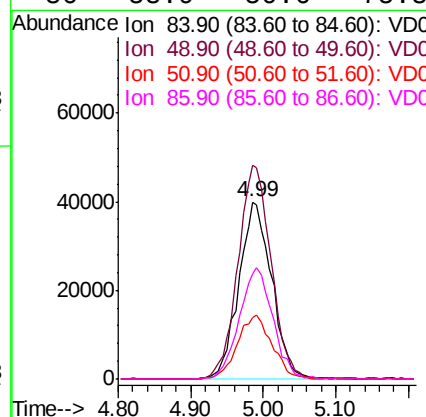
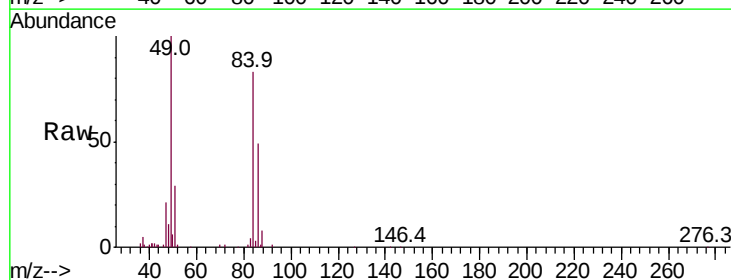
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

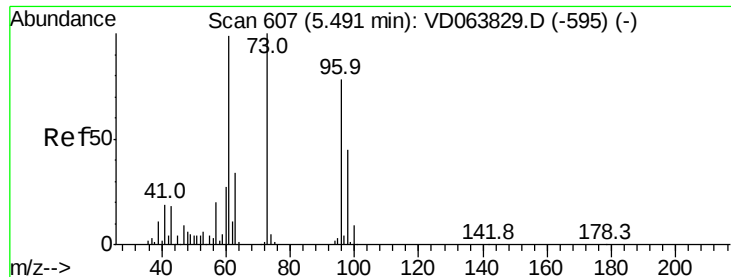
Tot Ion: 73 Resp: 253829
Ion Ratio Lower Upper
73 100
57 19.0 18.7 28.1



#20
Methylene Chloride
Concen: 53.266 ug/l
RT: 4.99 min Scan# 521
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 84 Resp: 125903
Ion Ratio Lower Upper
84 100
49 120.6 93.6 140.4
51 34.7 29.8 44.6
86 58.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 50.517 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

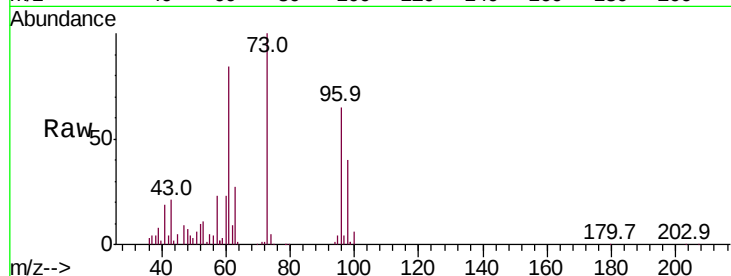
Tot Ion: 96 Resp: 115374

Ion Ratio Lower Upper

96 100

61 130.6 101.3 151.9

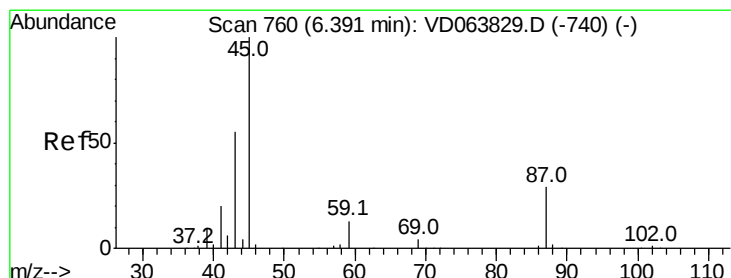
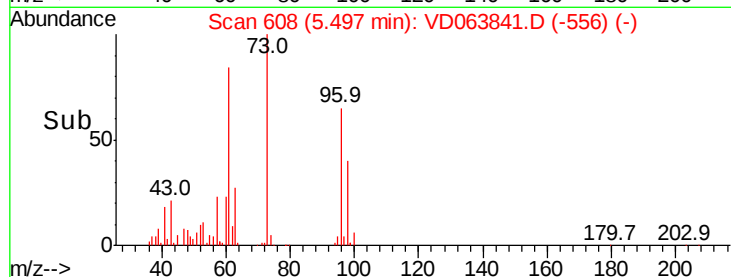
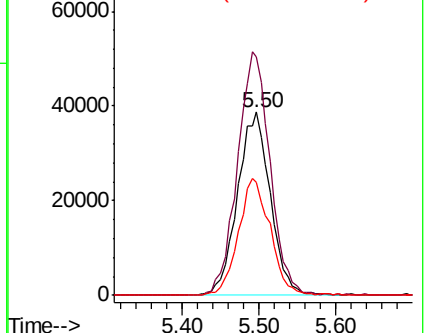
98 62.0 45.4 68.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.597 ug/l

RT: 6.39 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Tgt Ion: 45 Resp: 317699

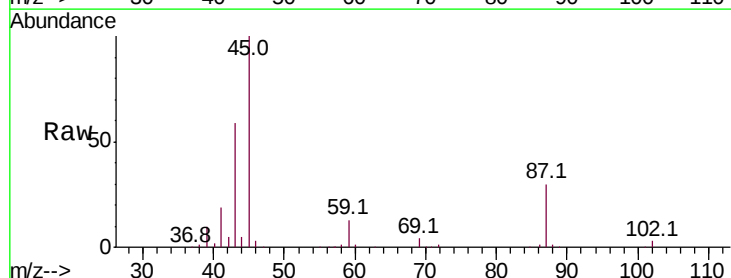
Ion Ratio Lower Upper

45 100

43 57.9 44.2 66.2

87 30.4 23.9 35.9

59 12.8 10.0 15.0

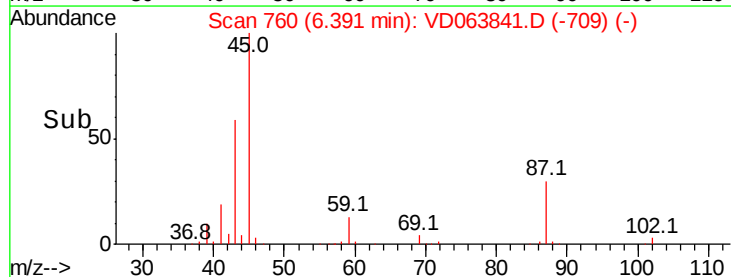
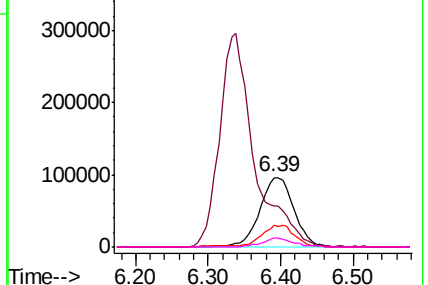


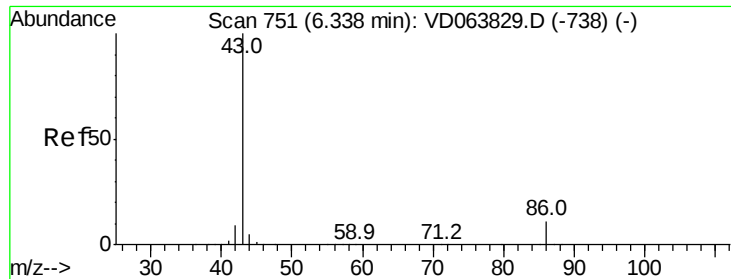
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 259.849 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

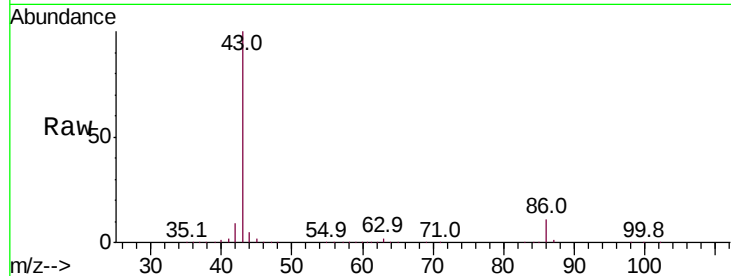
VSTDCCC050EC

Tot Ion: 43 Resp: 984501

Ion Ratio Lower Upper

43 100

86 11.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.34

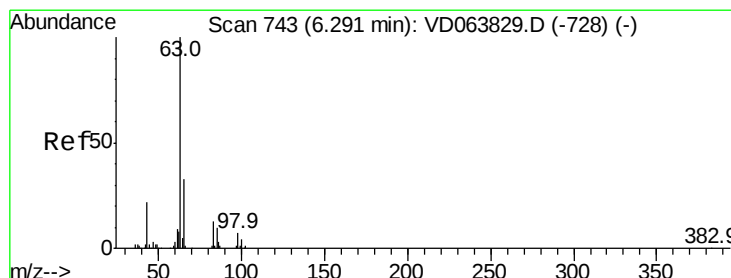
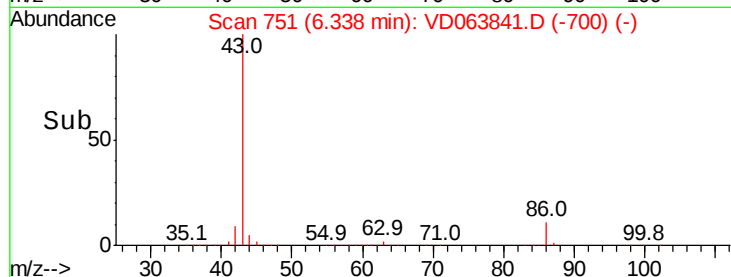
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.628 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

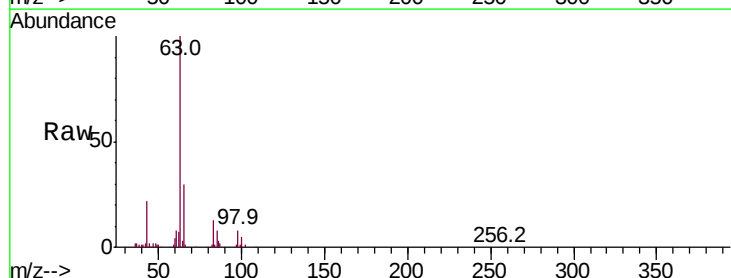
Tgt Ion: 63 Resp: 200918

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.5

100 5.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.29

80000

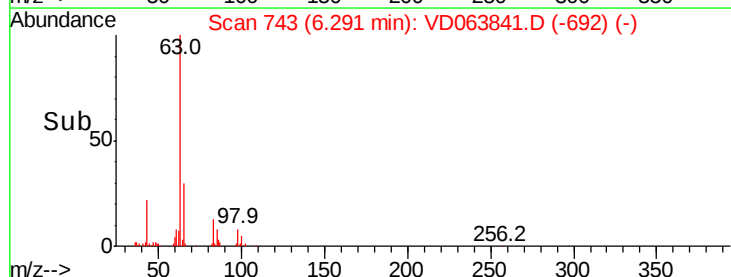
60000

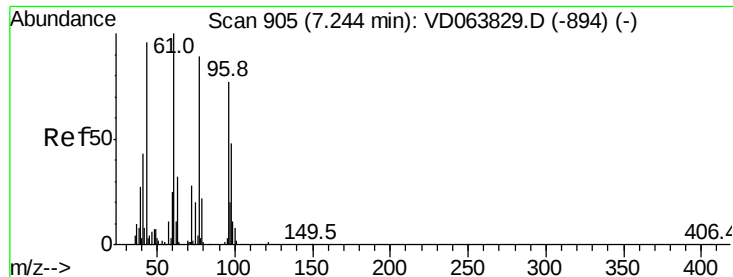
40000

20000

0

Time-->





#25

2-Butanone

Concen: 267.573 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

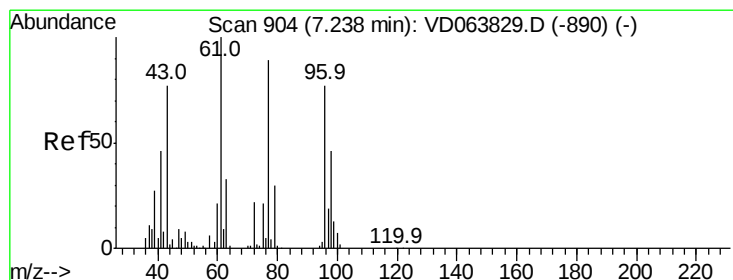
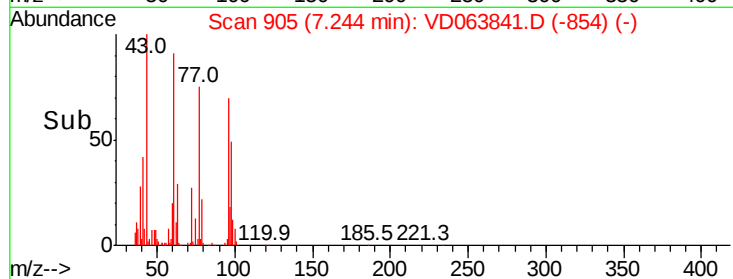
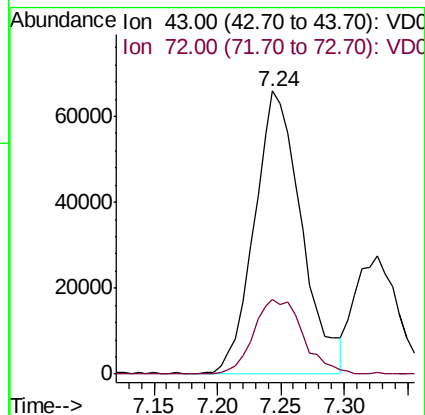
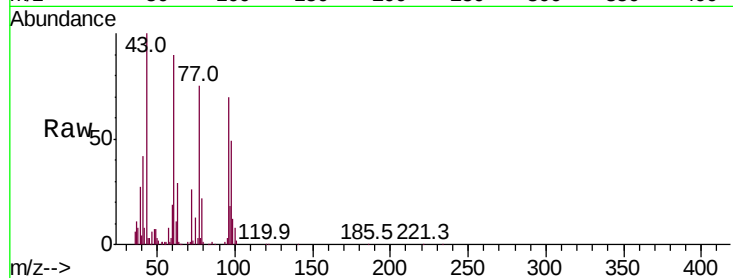
VSTDCCC050EC

Tot Ion: 43 Resp: 169887

Ion Ratio Lower Upper

43 100

72 26.4 23.5 35.3



#26

2,2-Dichloropropane

Concen: 49.531 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063841.D

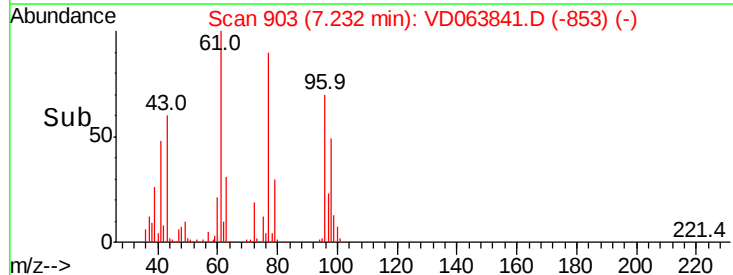
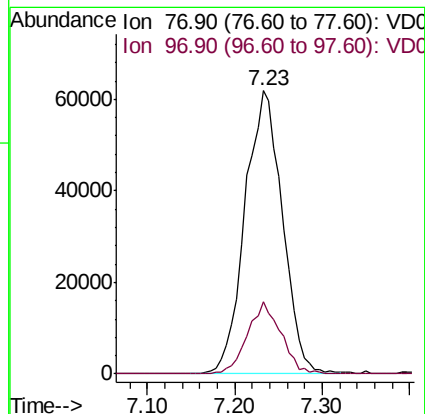
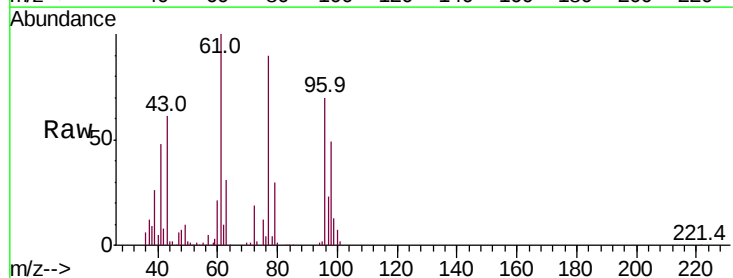
Acq: 26 Sep 2019 17:19

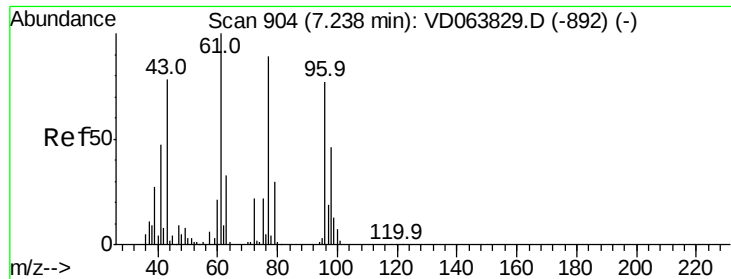
Tgt Ion: 77 Resp: 180268

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.7



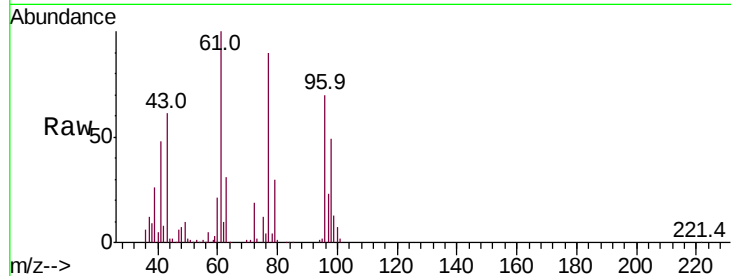


#27

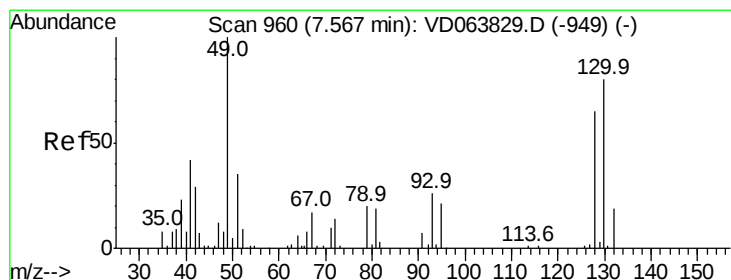
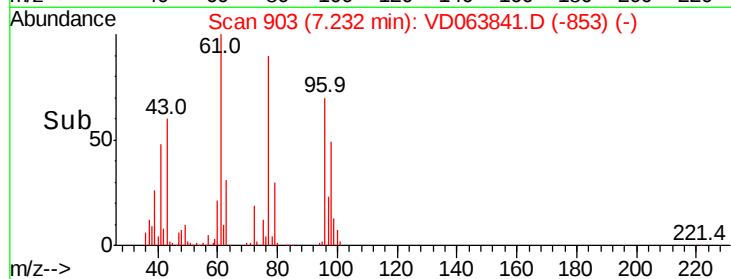
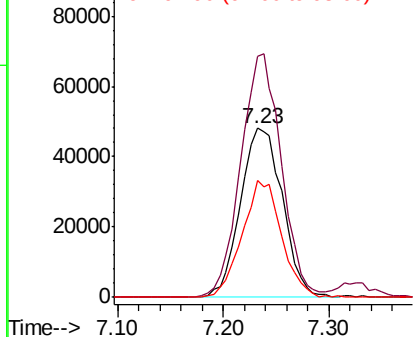
cis-1,2-Dichloroethene
Concen: 51.772 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 132677
Ion Ratio Lower Upper
96 100
61 139.3 0.0 275.6
98 64.8 0.0 130.2



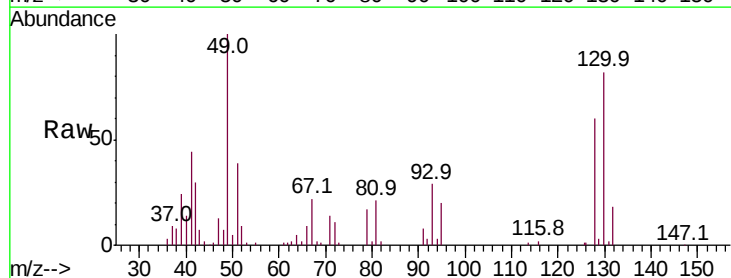
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



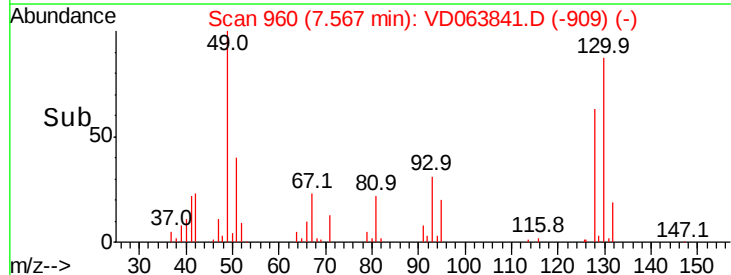
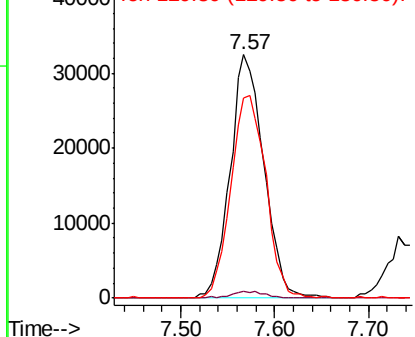
#28

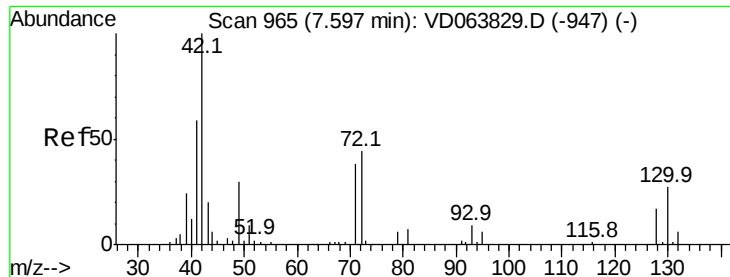
Bromochloromethane
Concen: 53.000 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 49 Resp: 80935
Ion Ratio Lower Upper
49 100
129 2.7 0.0 2.6#
130 85.8 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

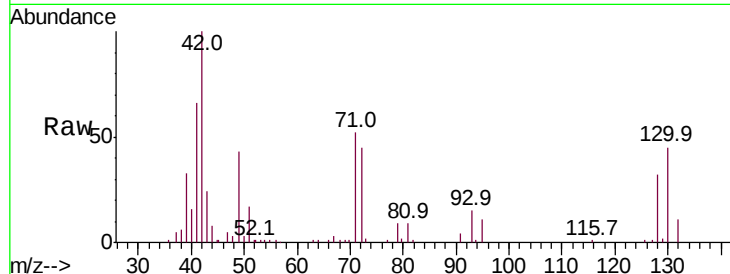




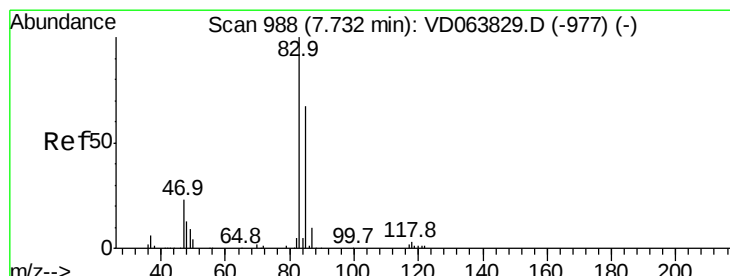
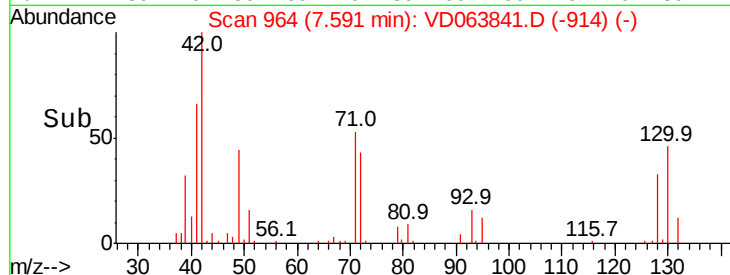
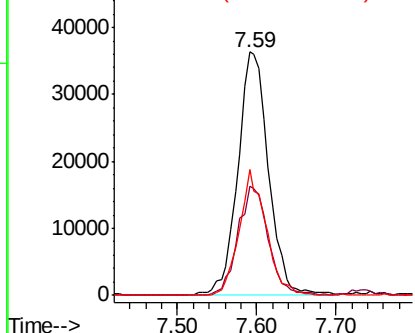
#29
Tetrahydrofuran
Concen: 256.725 ug/l
RT: 7.59 min Scan# 964
Delta R.T. -0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 97668
Ion Ratio Lower Upper
42 100
72 44.4 37.3 55.9
71 44.9 33.4 50.2

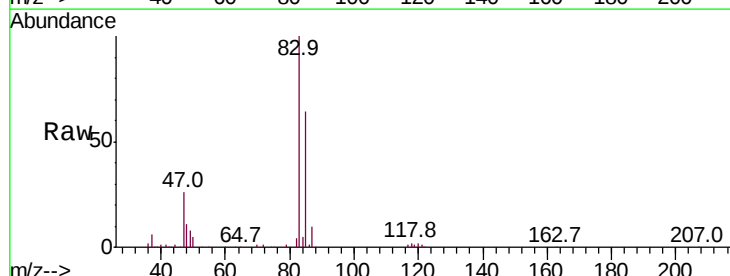


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

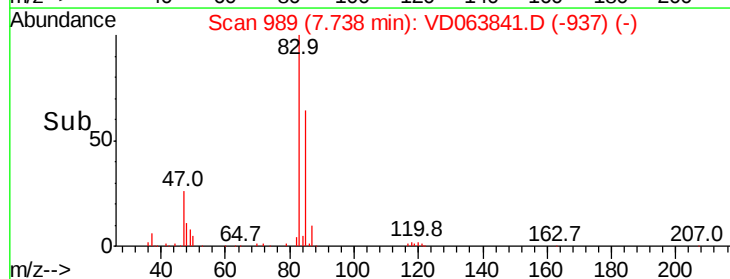
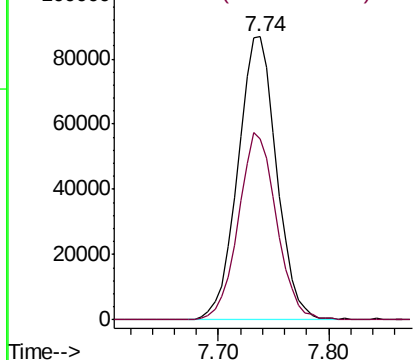


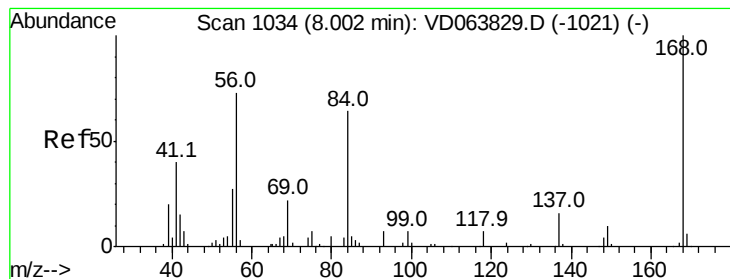
#30
Chloroform
Concen: 50.682 ug/l
RT: 7.74 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 83 Resp: 214230
Ion Ratio Lower Upper
83 100
85 63.9 53.4 80.2



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





#31

Cyclohexane

Concen: 55.423 ug/l

RT: 8.01 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

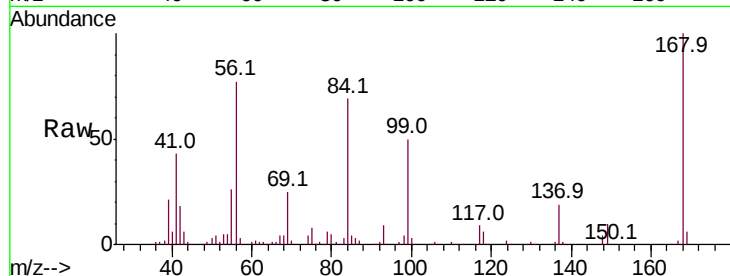
Tot Ion: 56 Resp: 184360

Ion Ratio Lower Upper

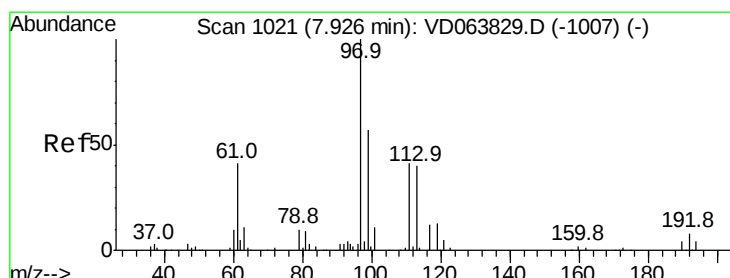
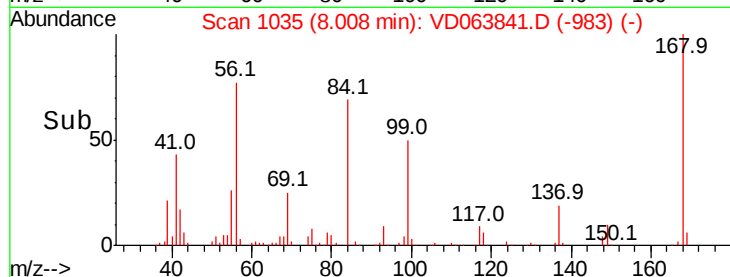
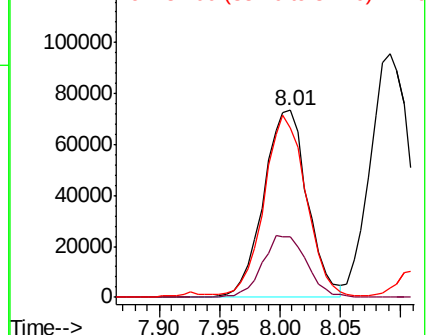
56 100

69 32.6 23.1 34.7

84 87.4 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 50.422 ug/l

RT: 7.93 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

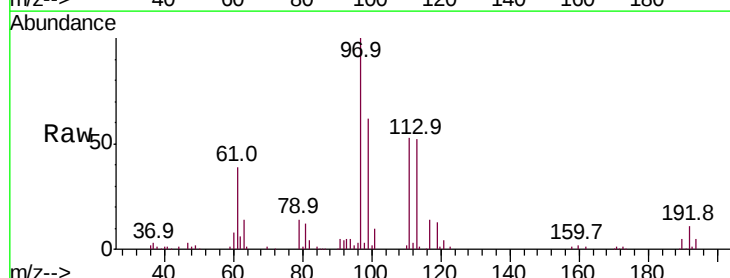
Tgt Ion: 97 Resp: 192720

Ion Ratio Lower Upper

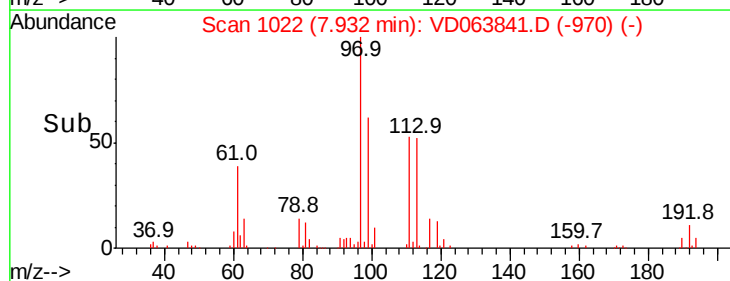
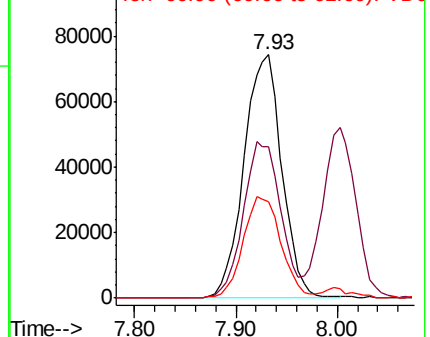
97 100

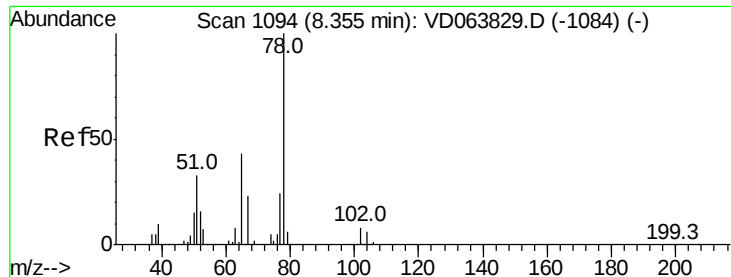
99 63.0 52.9 79.3

61 41.6 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.139 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

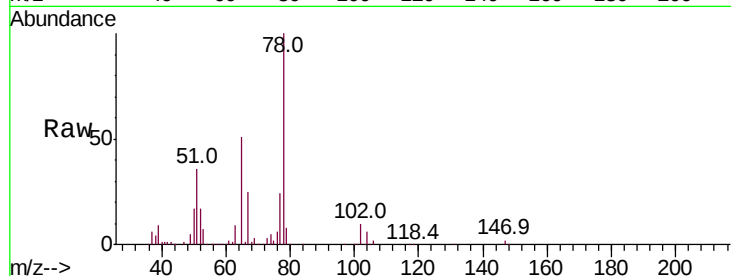
VSTDCCC050EC

Tot Ion: 65 Resp: 110644

Ion Ratio Lower Upper

65 100

67 49.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.36

50000

40000

30000

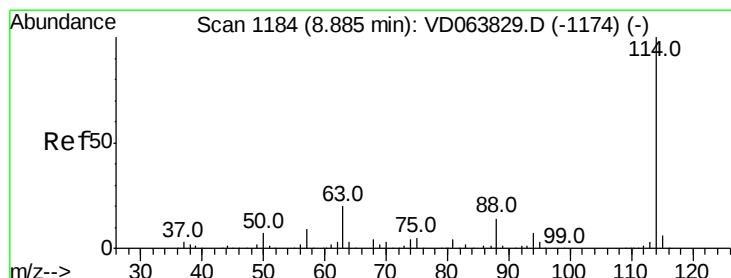
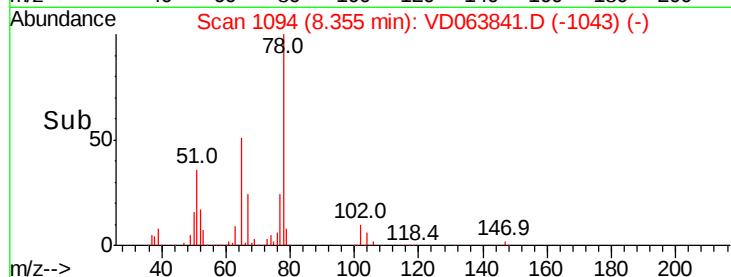
20000

10000

0

8.25 8.30 8.35 8.40 8.45

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

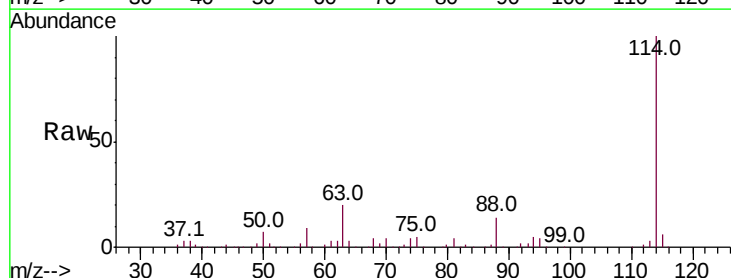
Tgt Ion: 114 Resp: 361033

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 14.1 0.0 28.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.88

200000

150000

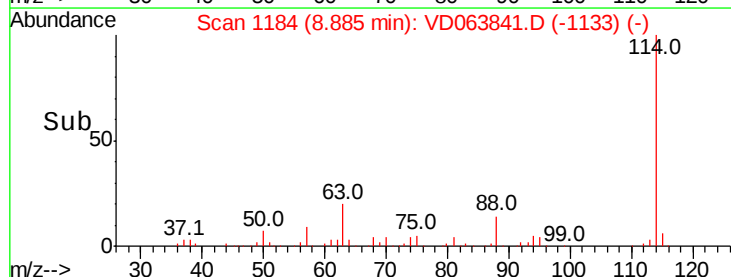
100000

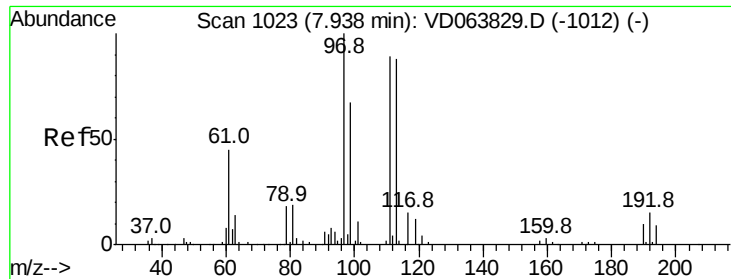
50000

0

8.80 8.90 9.00

Time-->

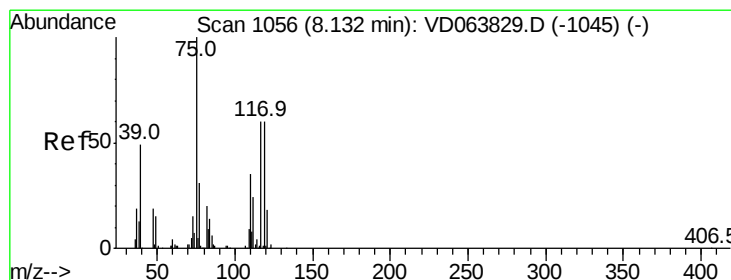
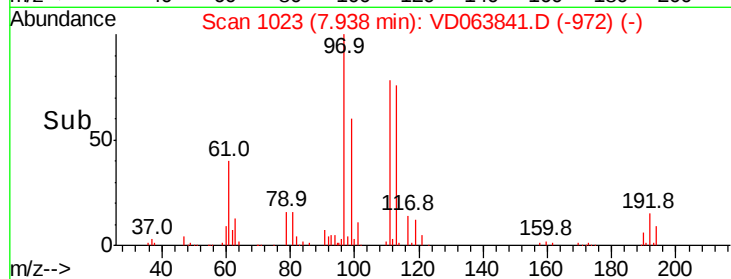
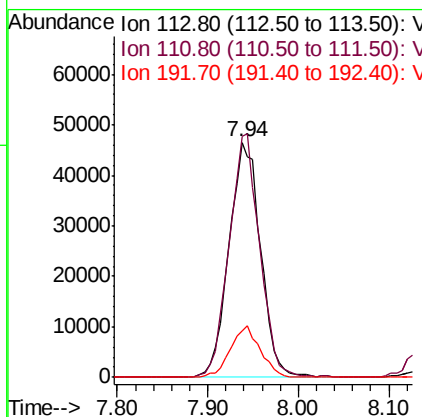
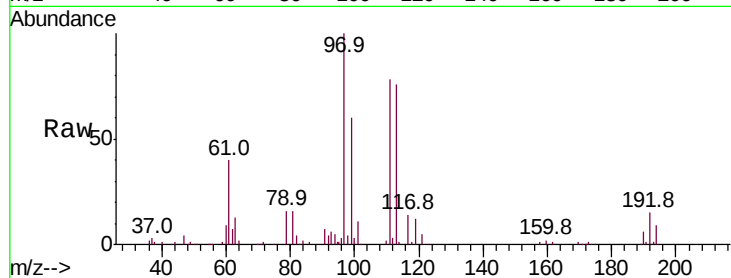




#35
 Dibromofluoromethane
 Concen: 49.180 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

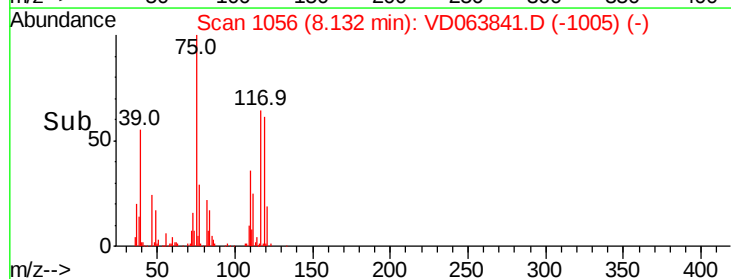
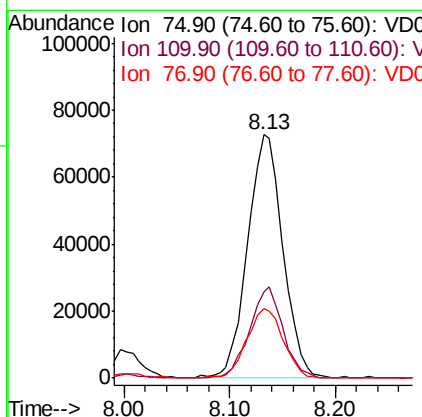
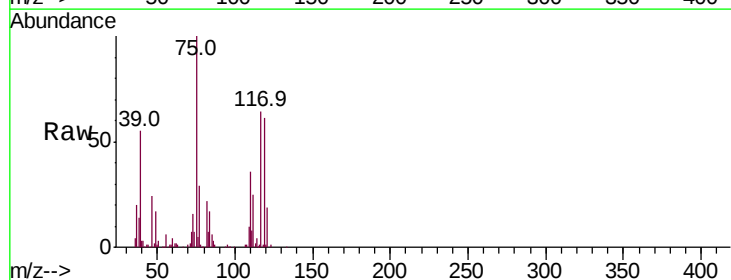
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

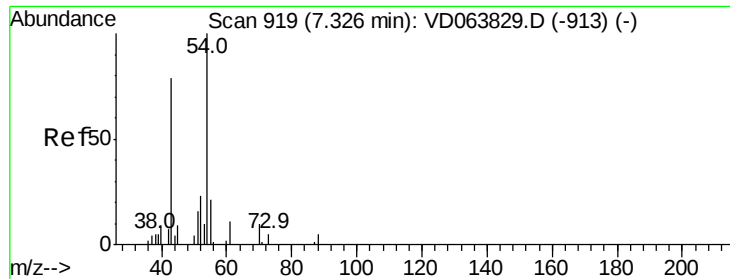
Tot Ion:113 Resp: 112713
 Ion Ratio Lower Upper
 113 100
 111 100.0 77.7 116.5
 192 20.5 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 51.405 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion: 75 Resp: 169286
 Ion Ratio Lower Upper
 75 100
 110 35.4 17.5 52.5
 77 29.6 24.9 37.3

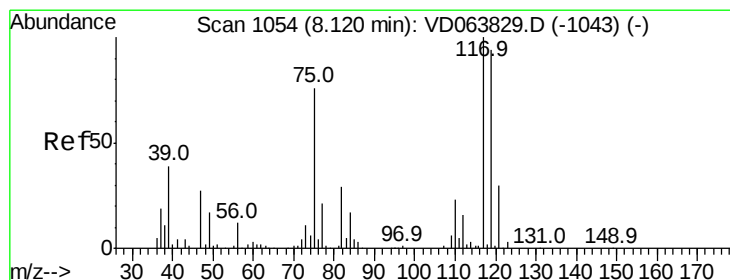
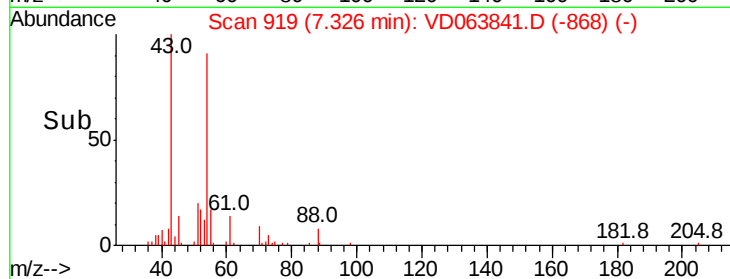
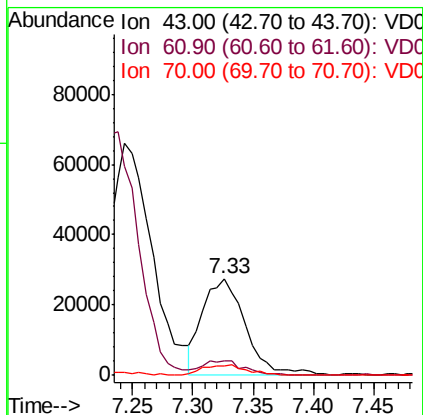
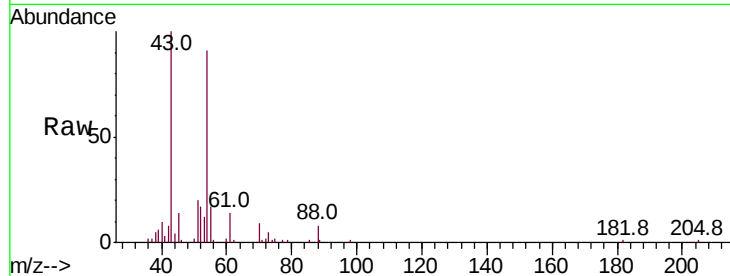




#37
Ethyl Acetate
Concen: 54.461 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

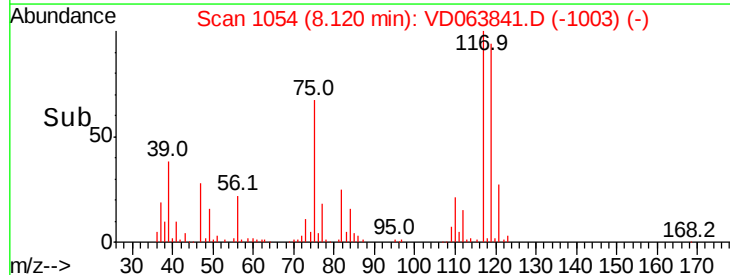
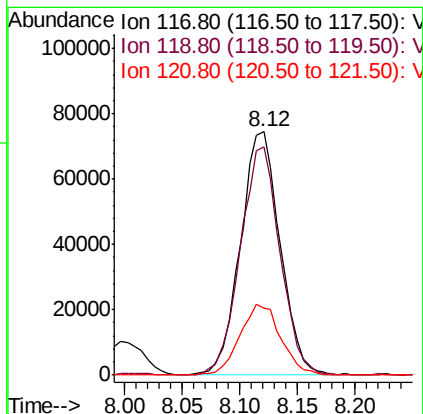
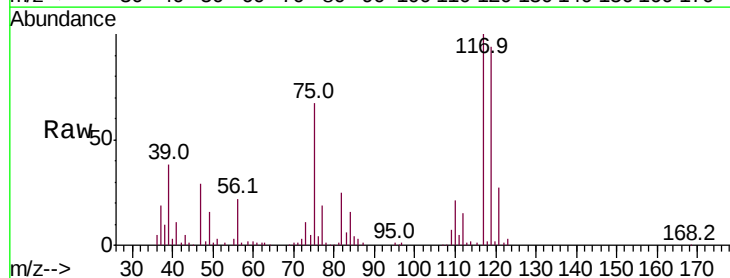
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

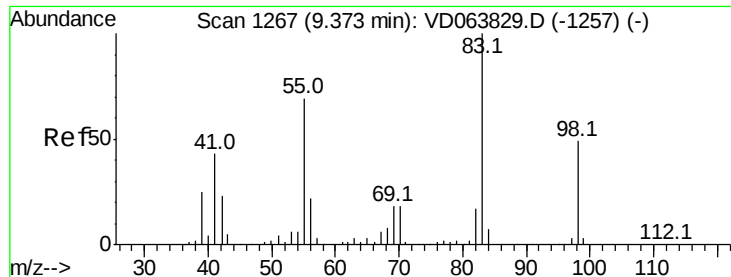
Tot Ion: 43 Resp: 66576
Ion Ratio Lower Upper
43 100
61 15.5 12.7 19.1
70 11.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 52.016 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 117 Resp: 178291
Ion Ratio Lower Upper
117 100
119 93.5 75.2 112.8
121 27.3 23.9 35.9

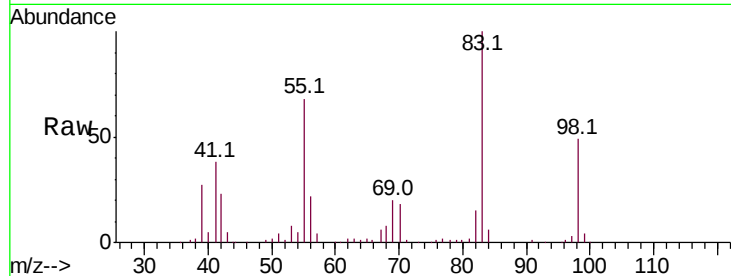




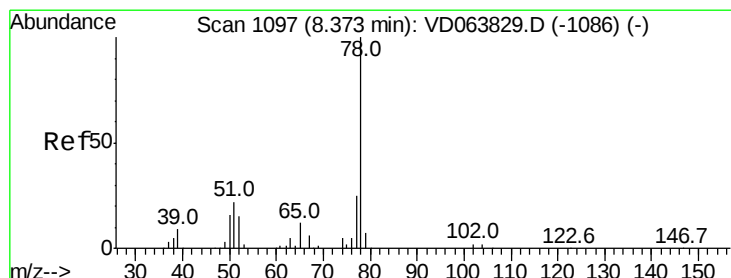
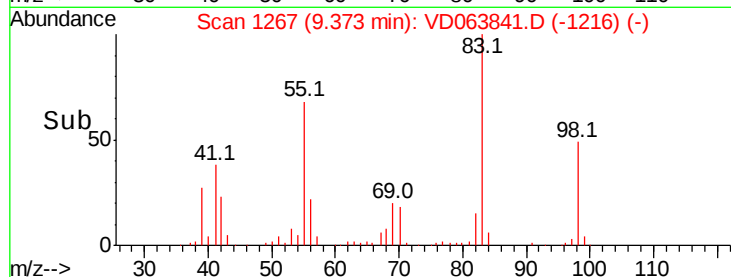
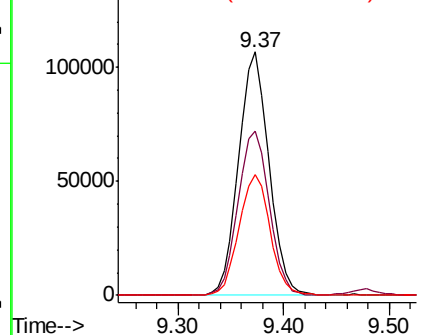
#39
Methylvlcvclohexane
Concen: 51.950 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 213023
Ion Ratio Lower Upper
83 100
55 67.5 54.9 82.3
98 49.5 39.0 58.6

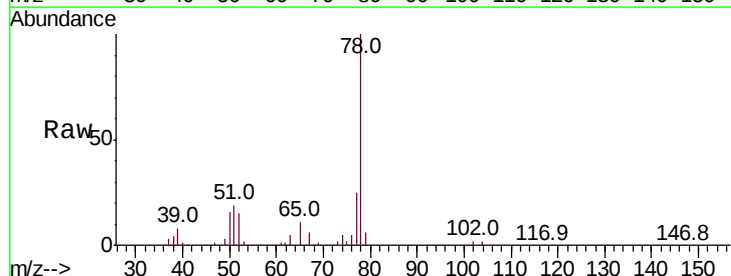


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

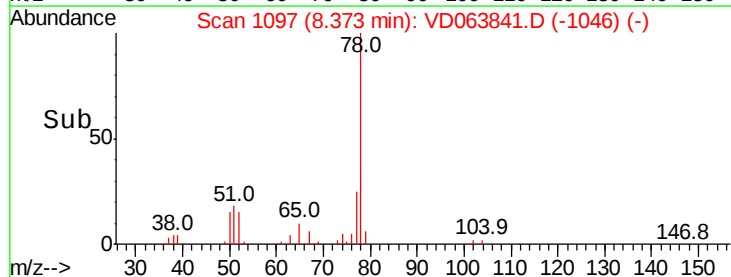
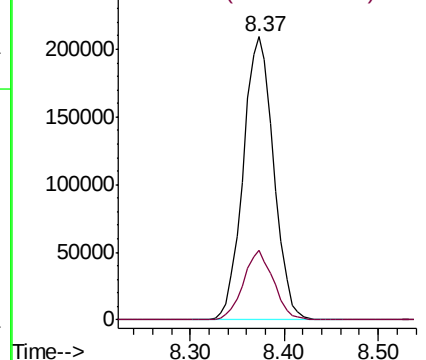


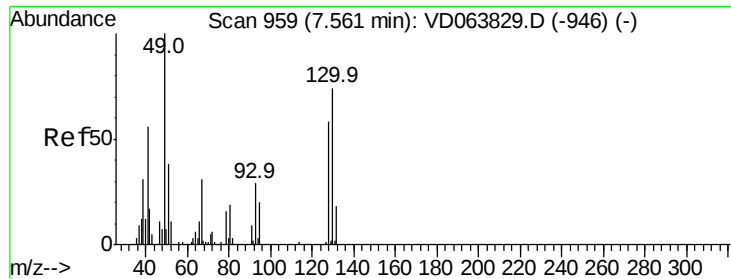
#40
Benzene
Concen: 51.706 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 78 Resp: 468939
Ion Ratio Lower Upper
78 100
77 24.7 19.8 29.6



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





#41

Methacrylonitrile

Concen: 55.847 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 40080

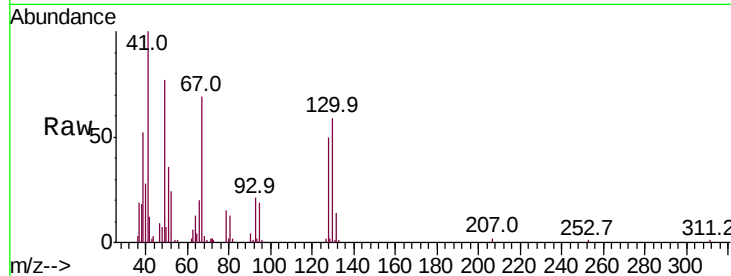
Ion Ratio Lower Upper

41 100

39 59.1 52.2 78.4

67 74.7 58.6 87.8

52 33.3 26.6 39.8

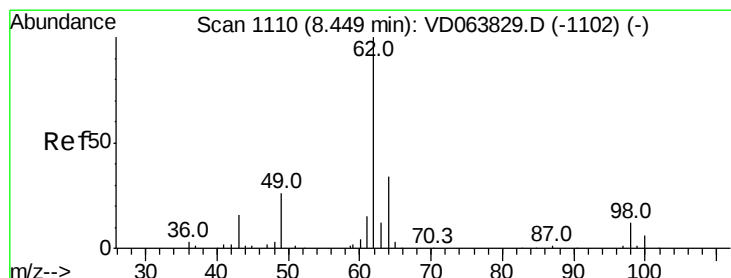
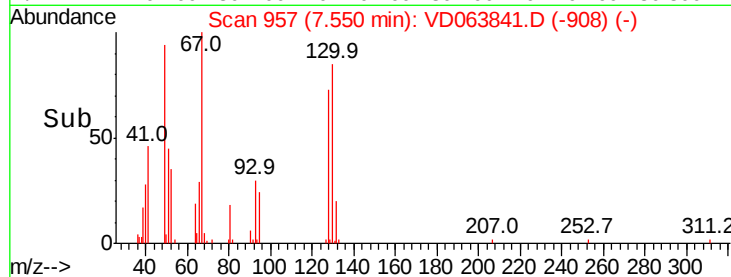
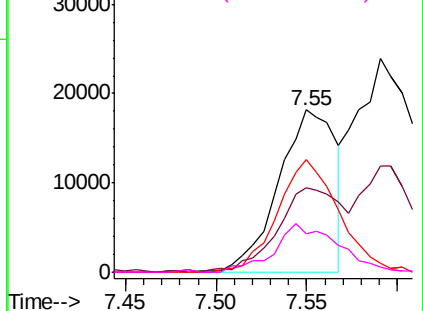


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.952 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD063841.D

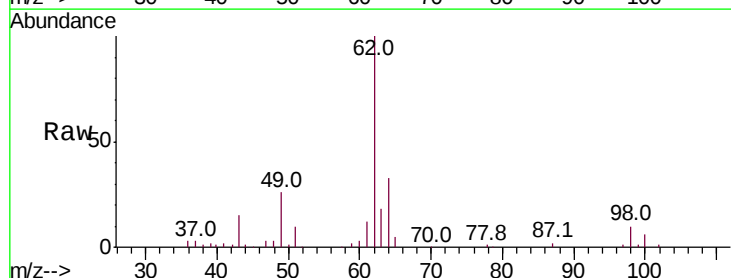
Acq: 26 Sep 2019 17:19

Tgt Ion: 62 Resp: 135129

Ion Ratio Lower Upper

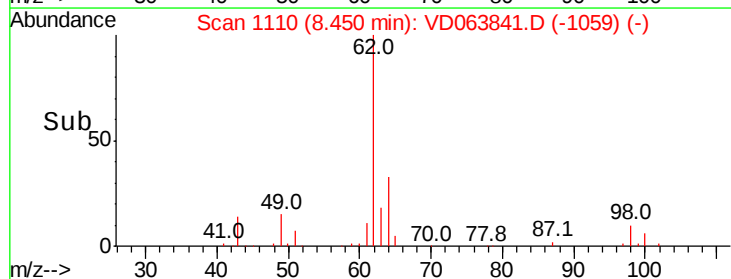
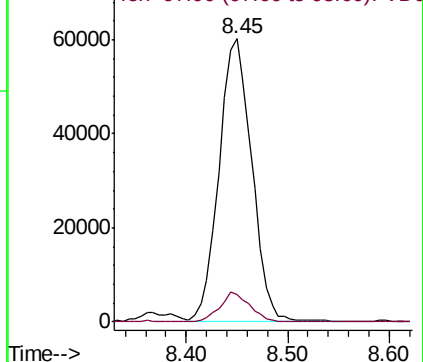
62 100

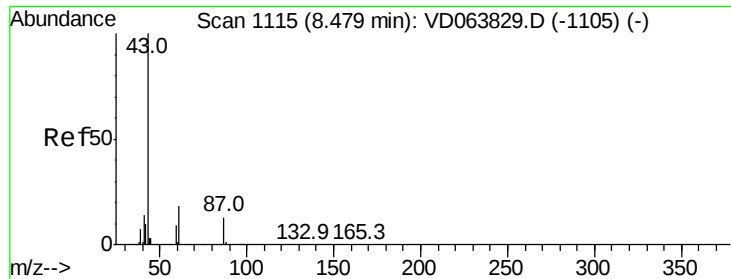
98 9.4 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.679 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

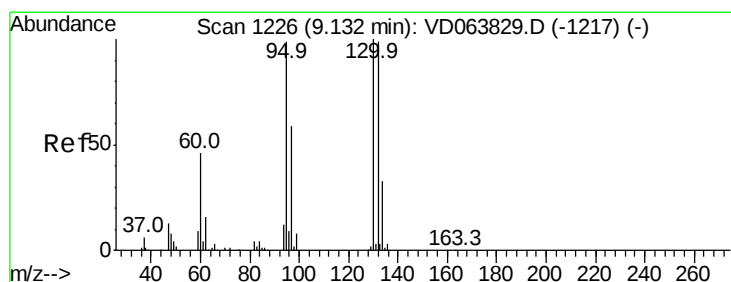
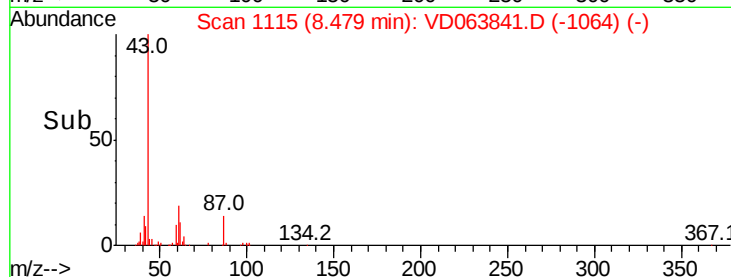
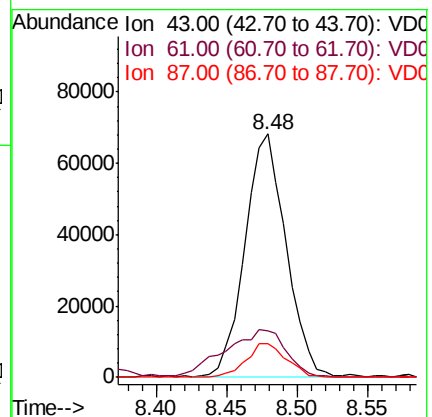
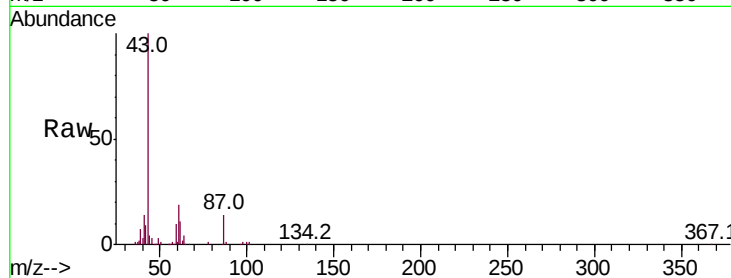
Tot Ion: 43 Resp: 139734

Ion Ratio Lower Upper

43 100

61 29.3 24.6 37.0

87 13.6 10.5 15.7



#44

Trichloroethene

Concen: 51.471 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VD063841.D

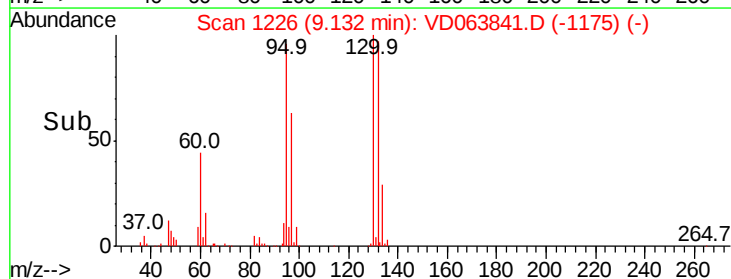
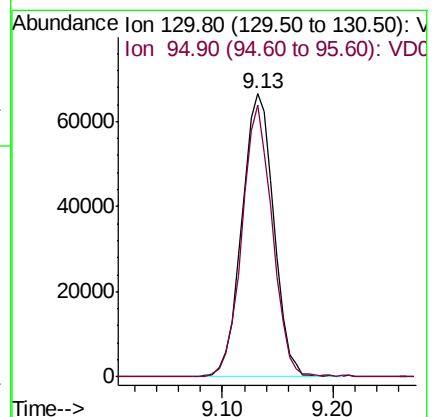
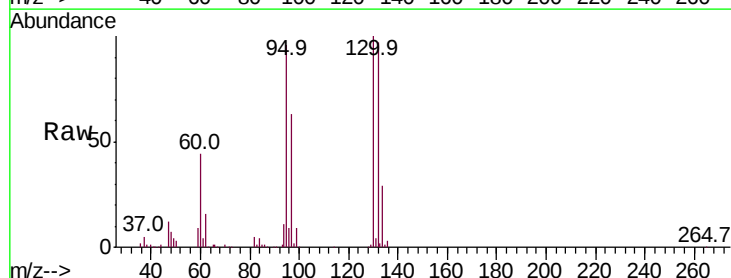
Acq: 26 Sep 2019 17:19

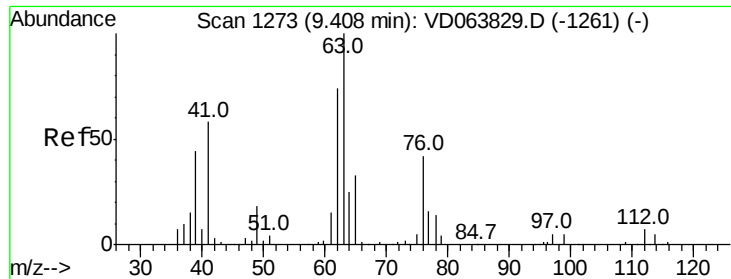
Tgt Ion: 130 Resp: 135188

Ion Ratio Lower Upper

130 100

95 95.9 0.0 198.6

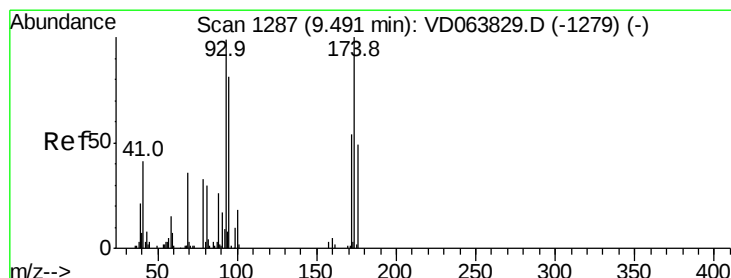
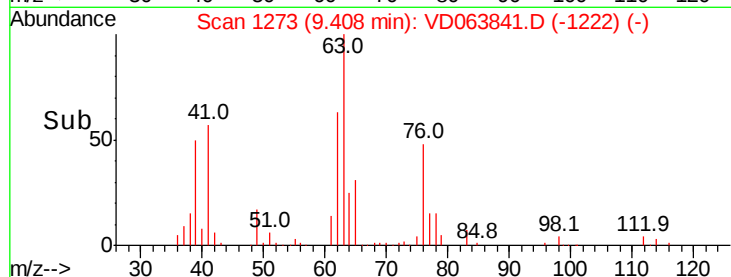
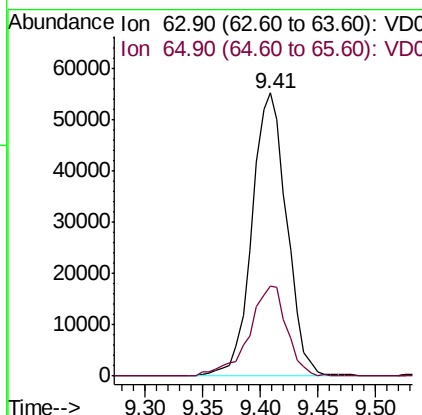
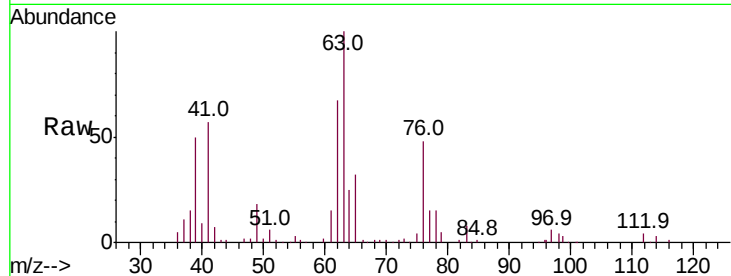




#45
 1,2-Dichloropropane
 Concen: 51.745 ug/l
 RT: 9.41 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

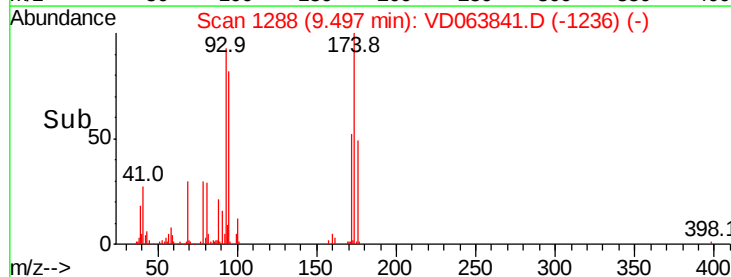
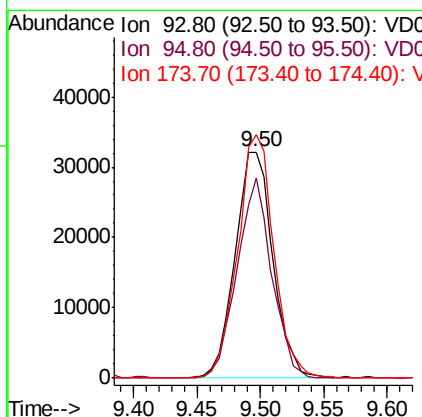
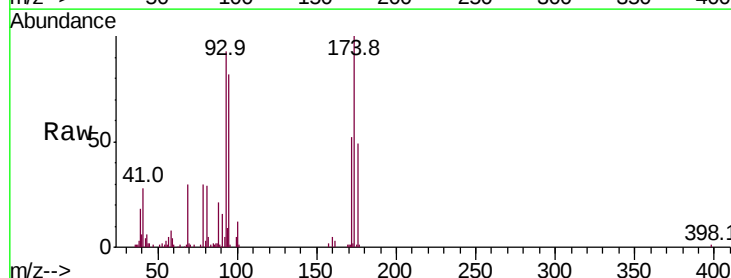
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

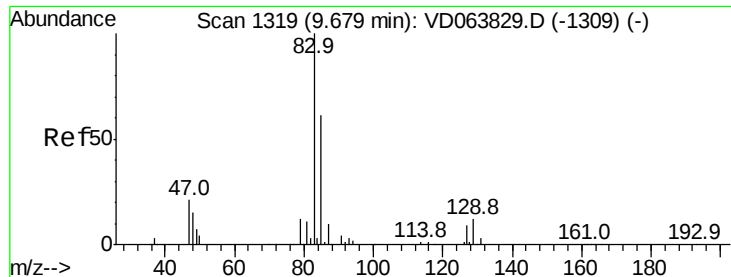
Tot Ion: 63 Resp: 115927
 Ion Ratio Lower Upper
 63 100
 65 32.0 26.8 40.2



#46
 Dibromomethane
 Concen: 52.320 ug/l
 RT: 9.50 min Scan# 1288
 Delta R.T. 0.01 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion: 93 Resp: 66158
 Ion Ratio Lower Upper
 93 100
 95 81.6 63.8 95.8
 174 104.0 84.2 126.2





#47

Bromodichloromethane

Concen: 52.709 ug/l

RT: 9.68 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

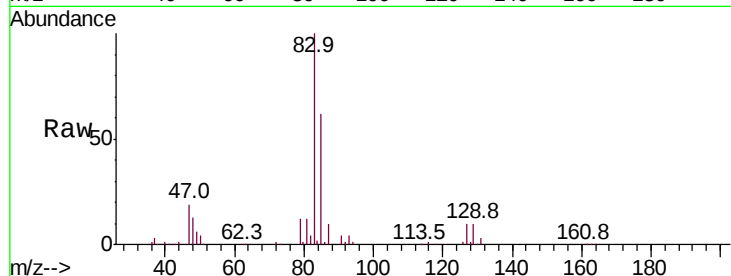
Tot Ion: 83 Resp: 171814

Ion Ratio Lower Upper

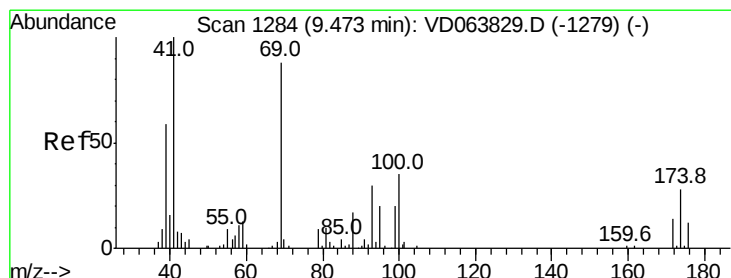
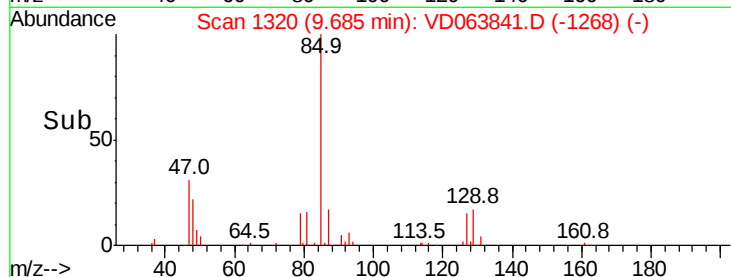
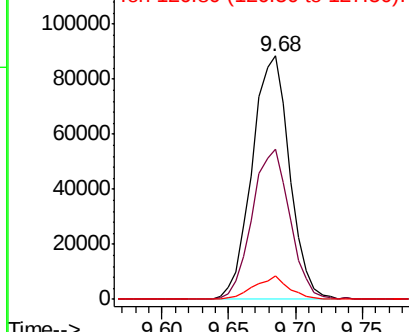
83 100

85 61.8 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: 56.574 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

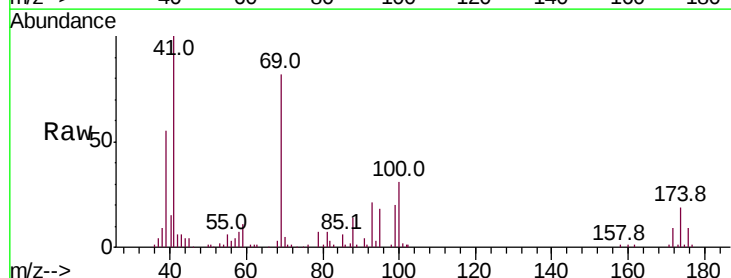
Tgt Ion: 41 Resp: 70947

Ion Ratio Lower Upper

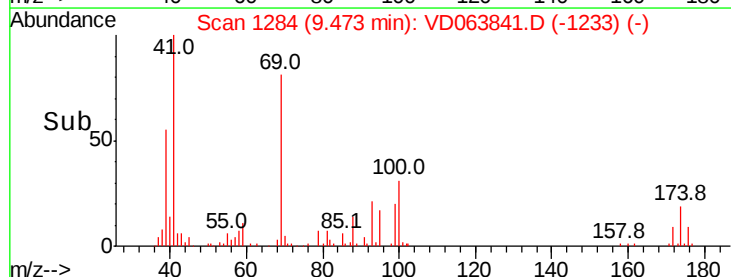
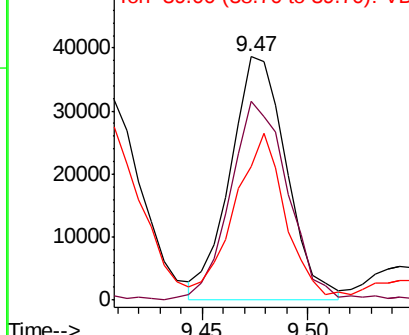
41 100

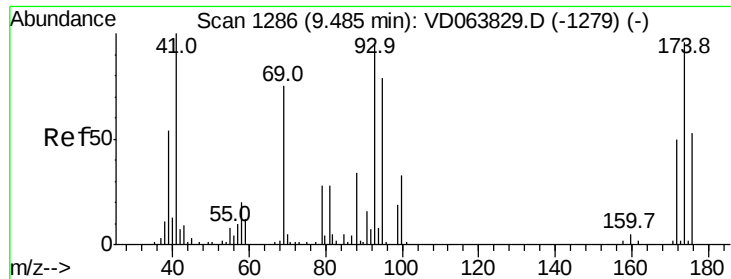
69 85.1 71.7 107.5

39 57.6 51.7 77.5



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





#49

1,4-Dioxane

Concen: 1095.454 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

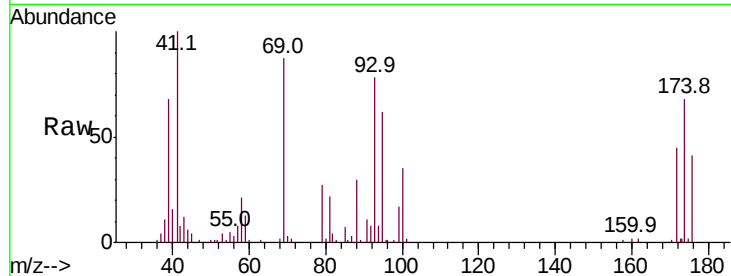
Tot Ion: 88 Resp: 19324

Ion Ratio Lower Upper

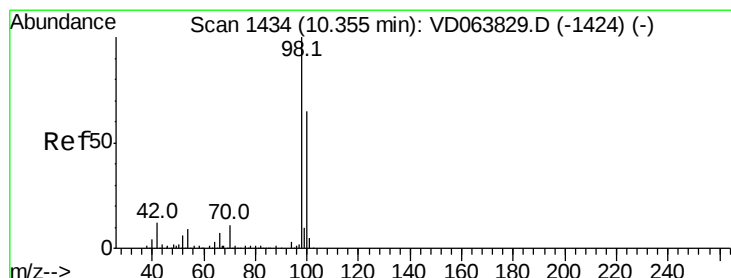
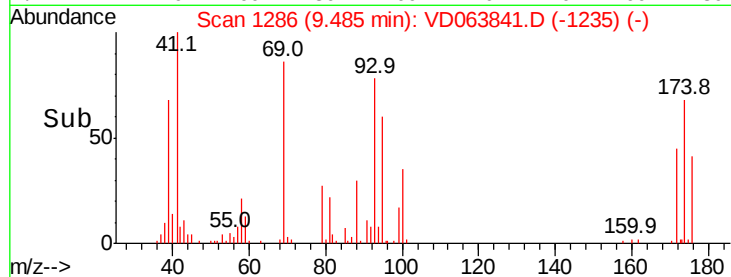
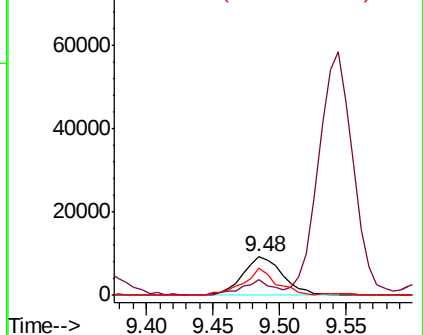
88 100

43 31.4 25.8 38.6

58 57.4 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: 51.898 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VD063841.D

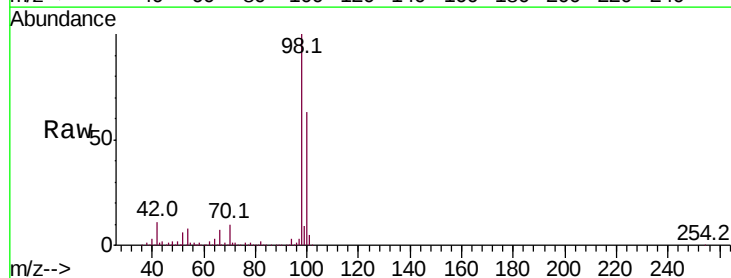
Acq: 26 Sep 2019 17:19

Tgt Ion: 98 Resp: 447735

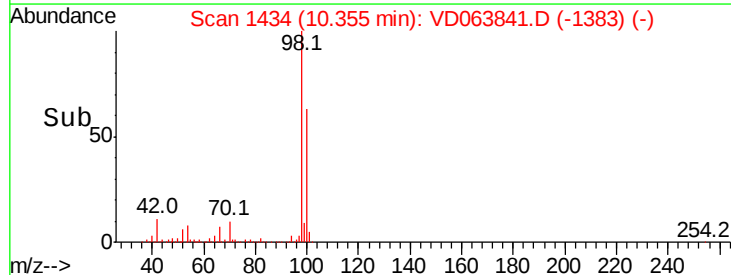
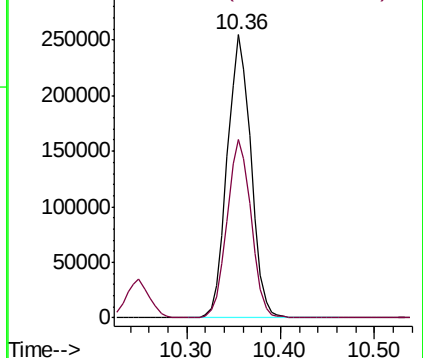
Ion Ratio Lower Upper

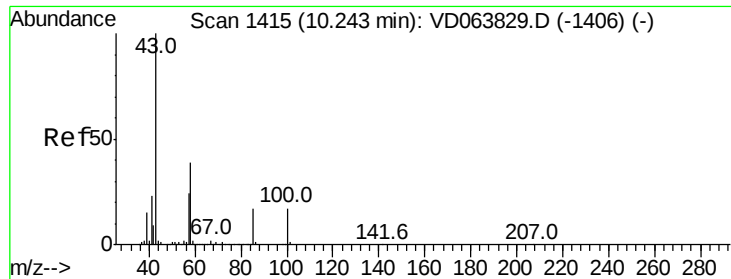
98 100

100 63.8 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: 257.815 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

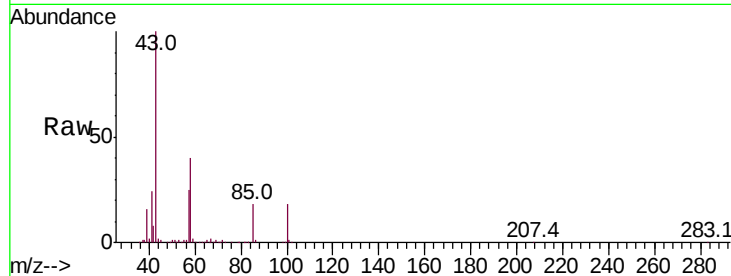
VSTDCCC050EC

Tot Ion: 43 Resp: 358114

Ion Ratio Lower Upper

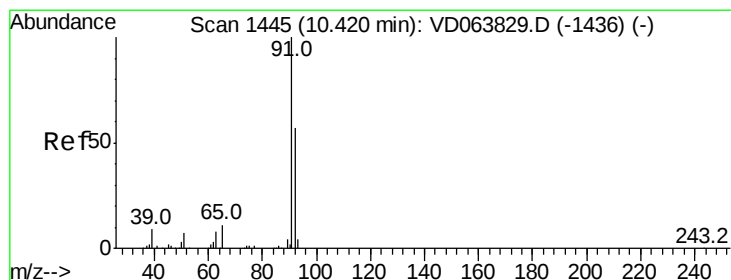
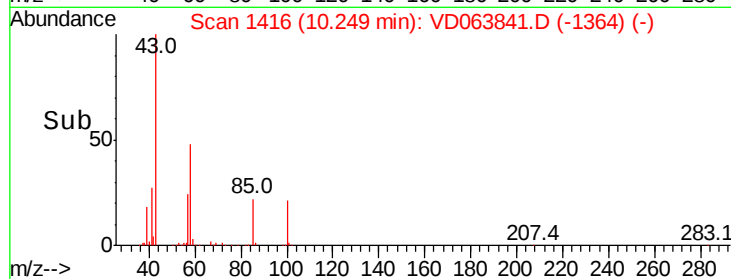
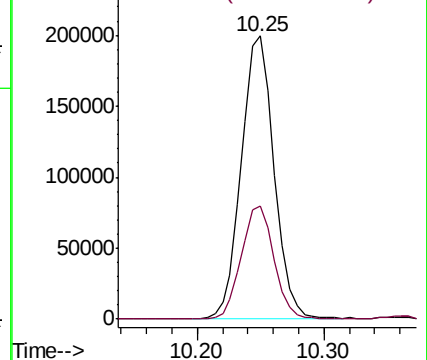
43 100

58 39.9 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.777 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063841.D

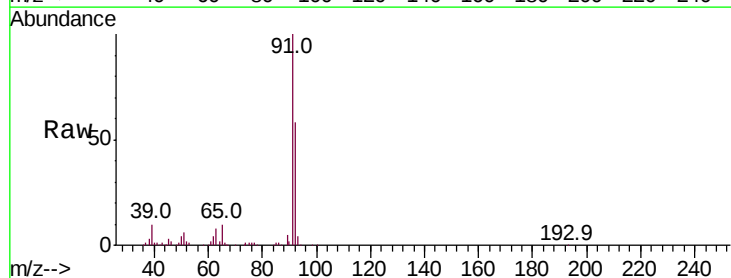
Acq: 26 Sep 2019 17:19

Tgt Ion: 92 Resp: 324552

Ion Ratio Lower Upper

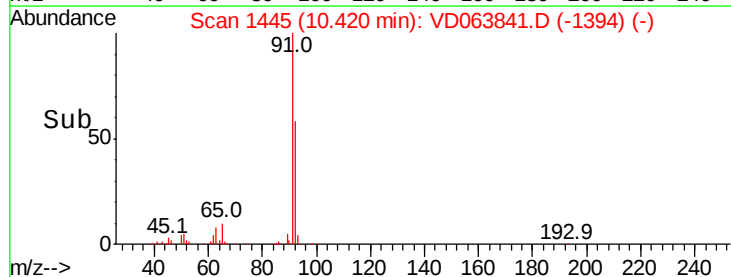
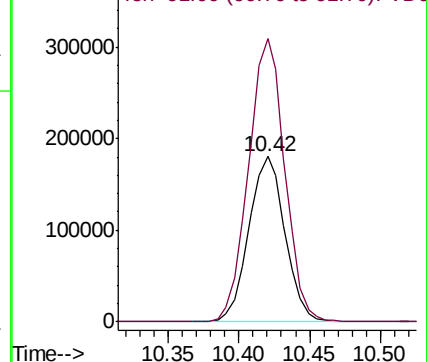
92 100

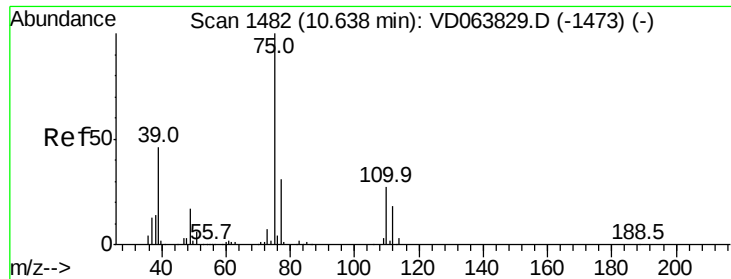
91 171.8 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.270 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

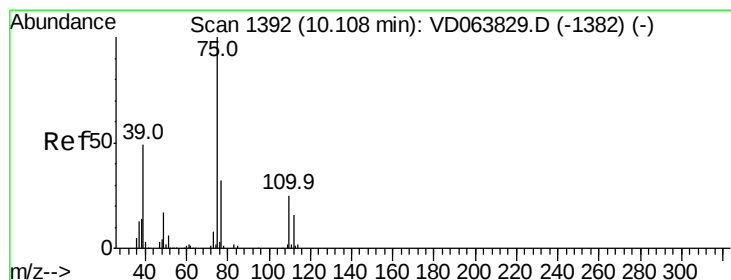
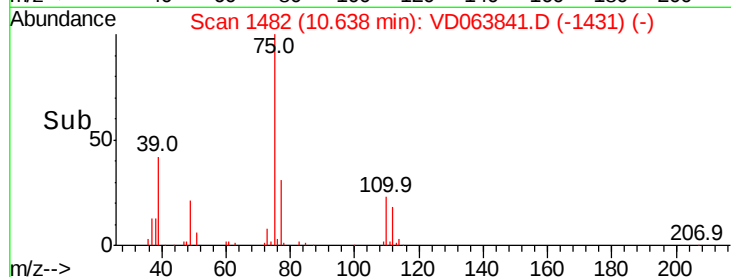
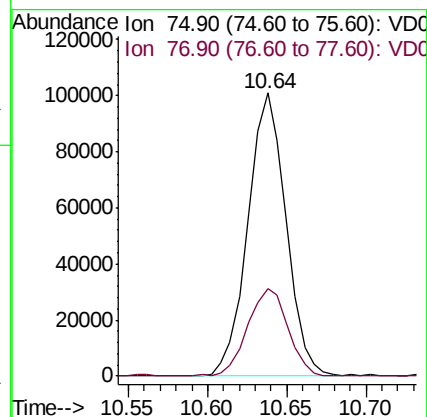
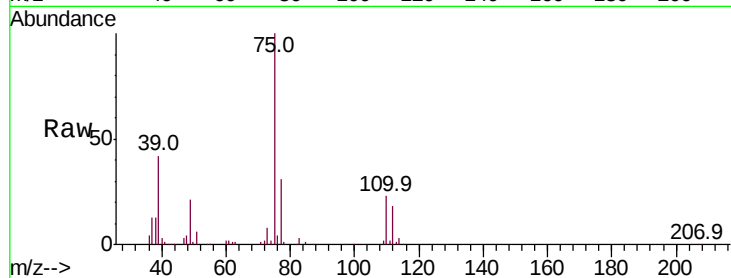
VSTDCCC050EC

Tot Ion: 75 Resp: 168887

Ion Ratio Lower Upper

75 100

77 30.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 53.970 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

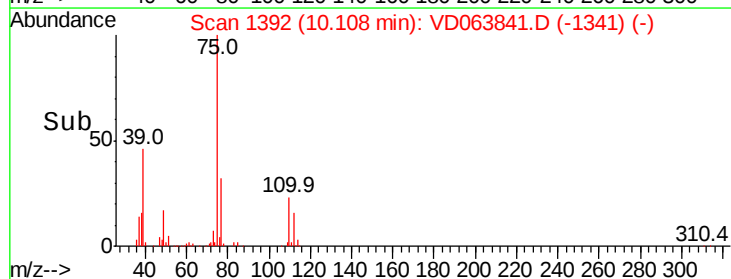
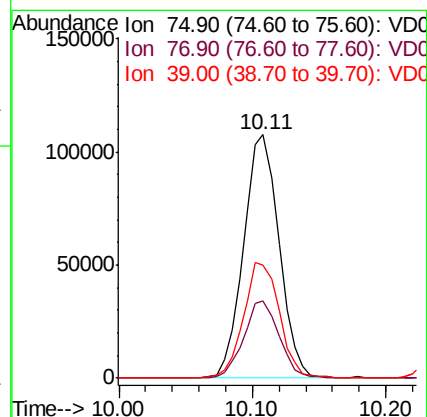
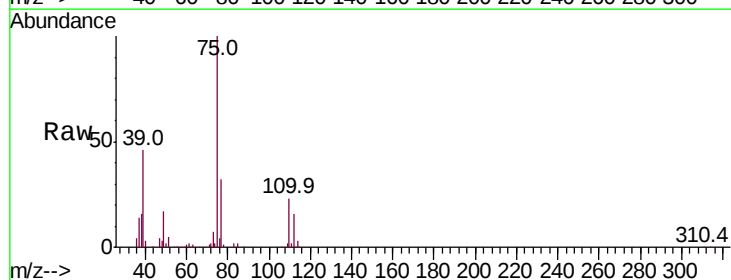
Tgt Ion: 75 Resp: 197944

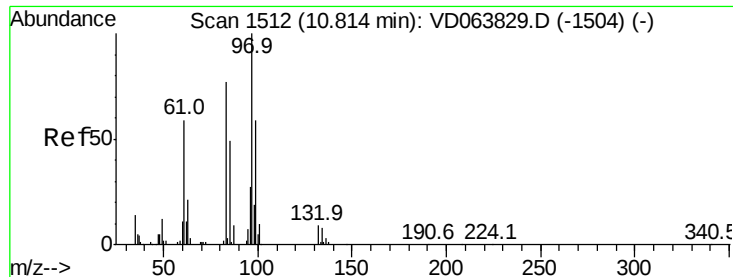
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 46.3 39.5 59.3

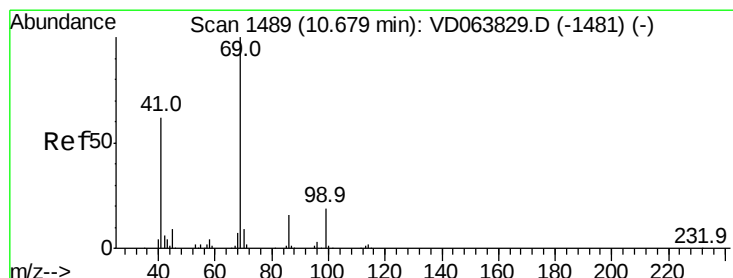
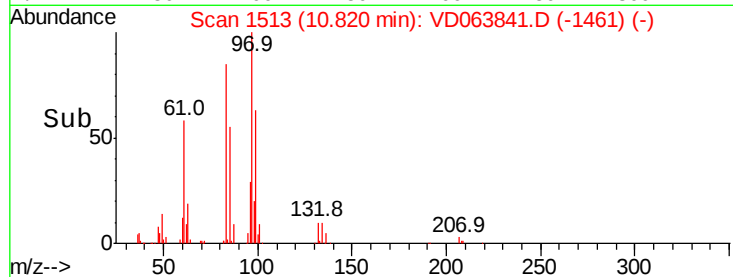
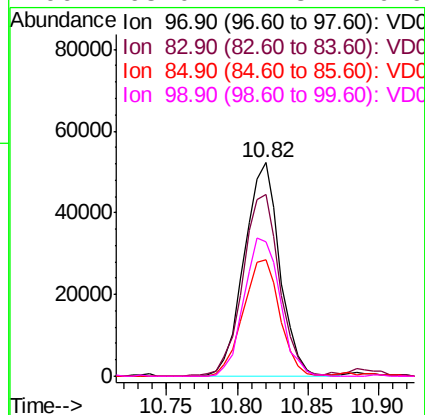
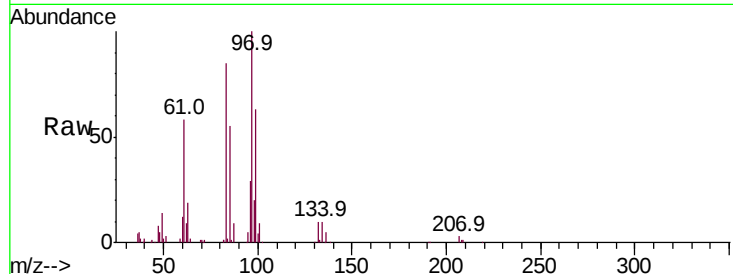




#55
 1,1,2-Trichloroethane
 Concen: 51.906 ug/l
 RT: 10.82 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

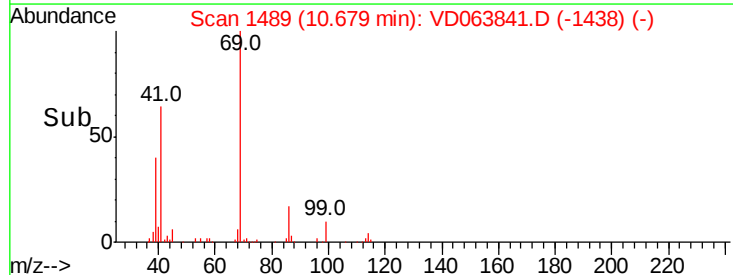
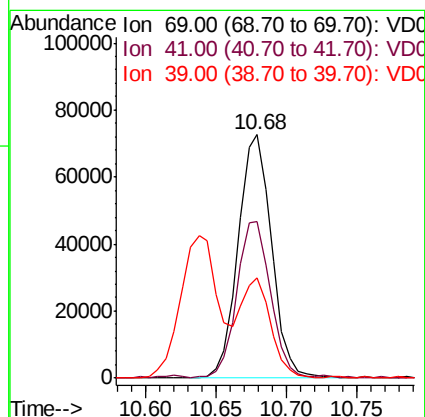
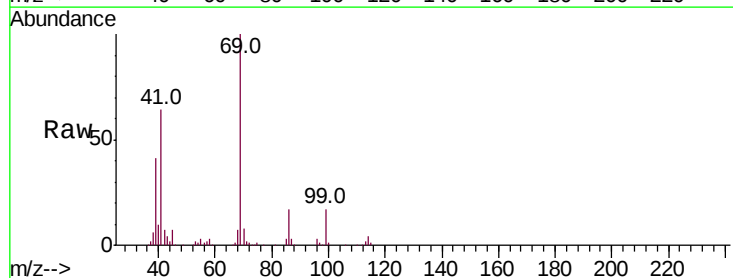
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

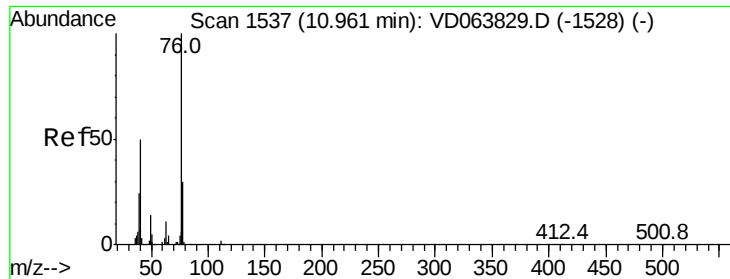
Tot Ion: 97 Resp: 92743
 Ion Ratio Lower Upper
 97 100
 83 84.8 61.9 92.9
 85 54.6 39.4 59.2
 99 63.0 47.3 70.9



#56
 Ethyl methacrylate
 Concen: 52.991 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion: 69 Resp: 120341
 Ion Ratio Lower Upper
 69 100
 41 64.2 52.2 78.4
 39 35.6 28.7 43.1

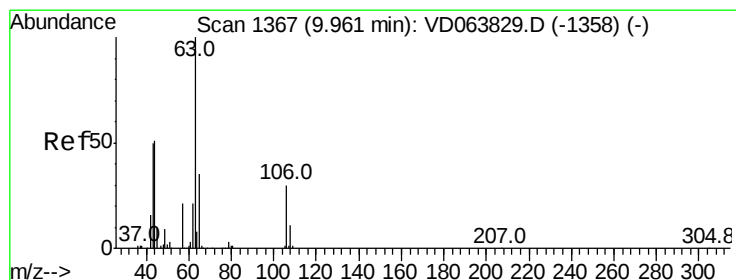
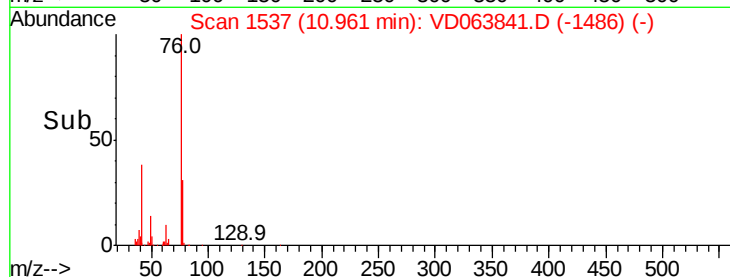
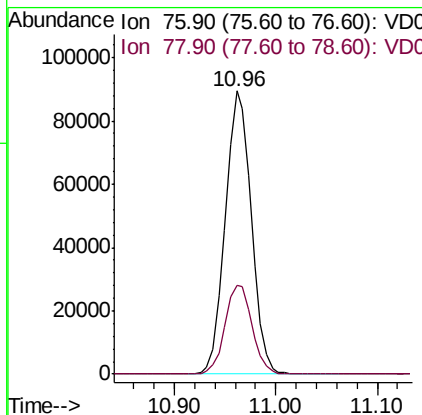
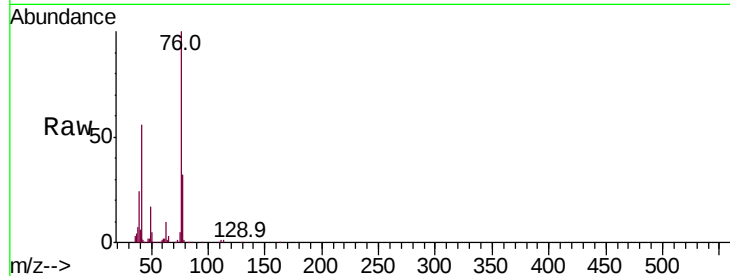




#57
 1,3-Dichloropropane
 Concen: 52.344 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

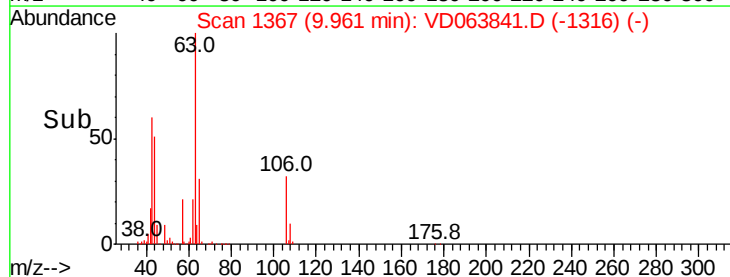
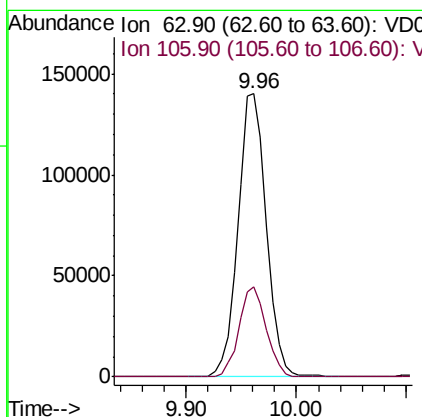
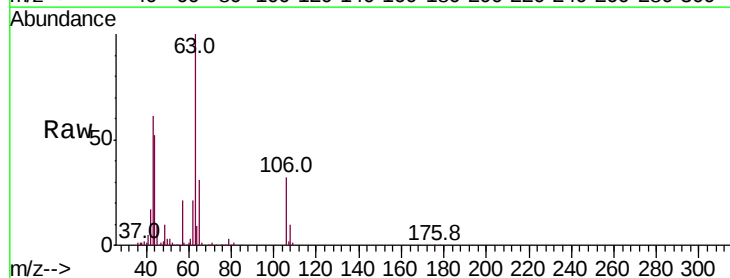
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

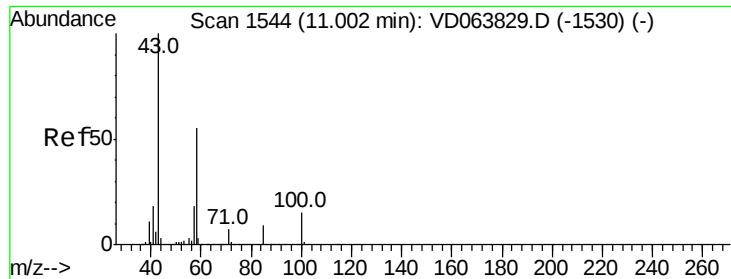
Tot Ion: 76 Resp: 158912
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.347 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion: 63 Resp: 252073
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.4 35.0

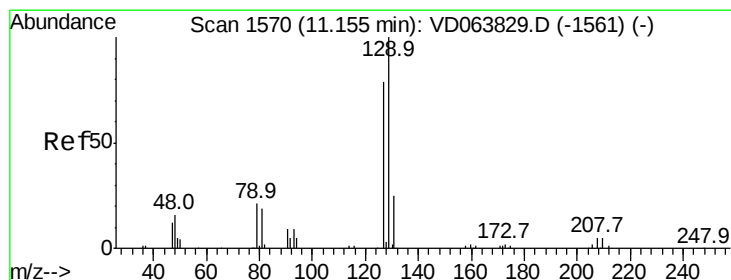
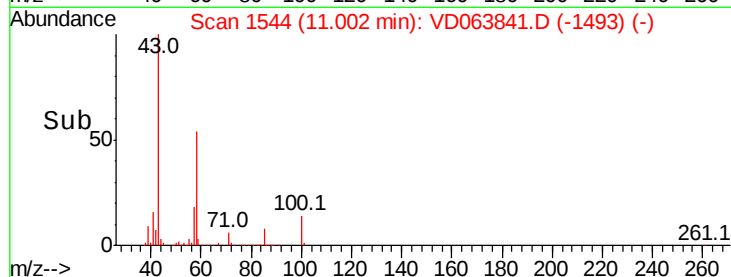
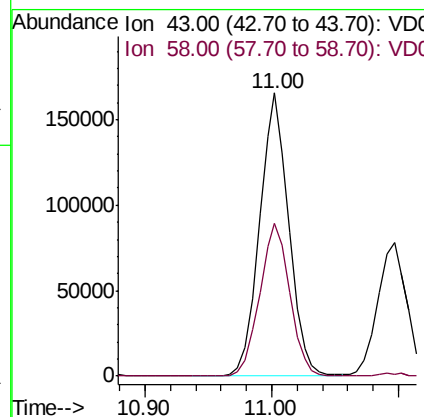
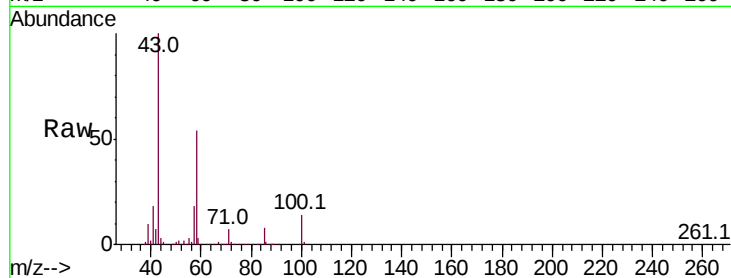




#59
2-Hexanone
Concen: 267.109 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

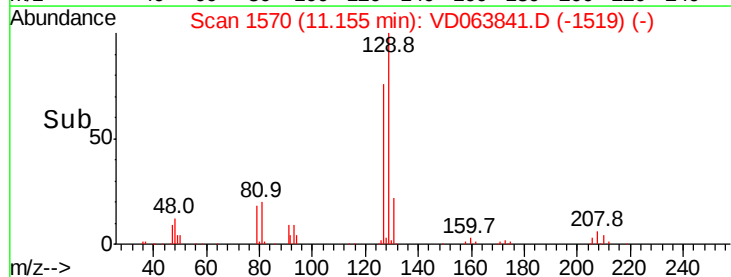
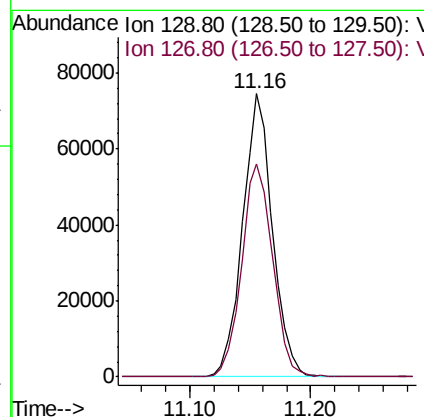
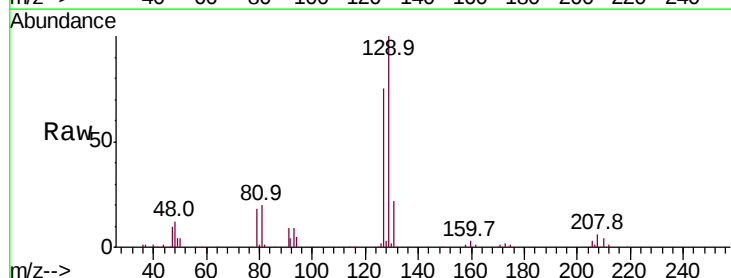
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

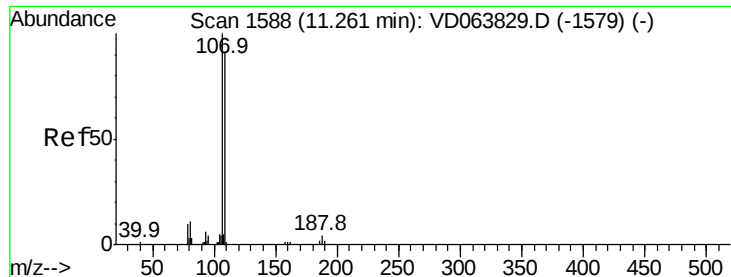
Tot Ion: 43 Resp: 264727
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7



#60
Dibromochloromethane
Concen: 54.366 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 129 Resp: 128192
Ion Ratio Lower Upper
129 100
127 78.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 53.363 ug/l

RT: 11.26 min Scan# 1588

Delta R.T. 0.00 min

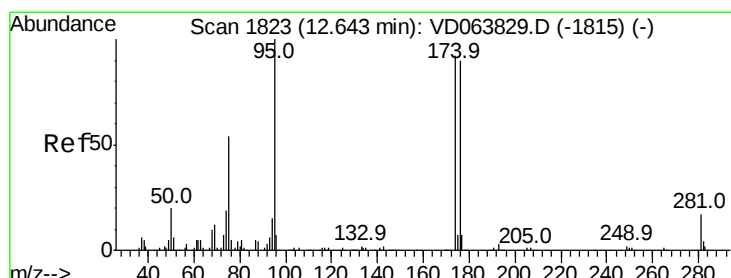
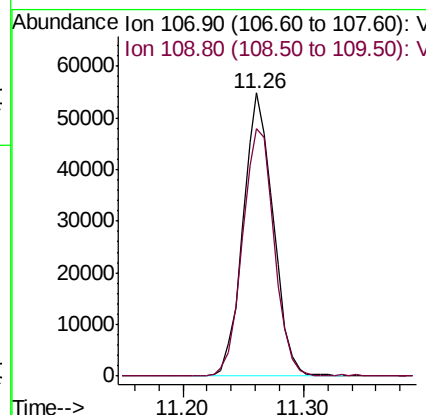
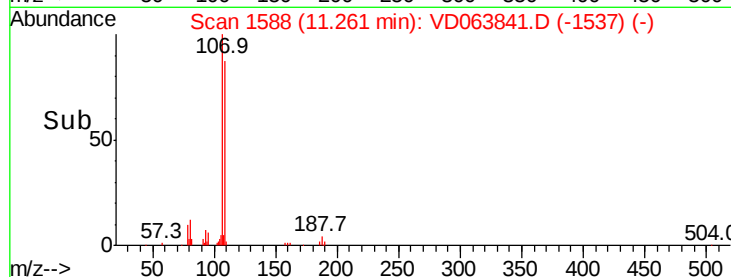
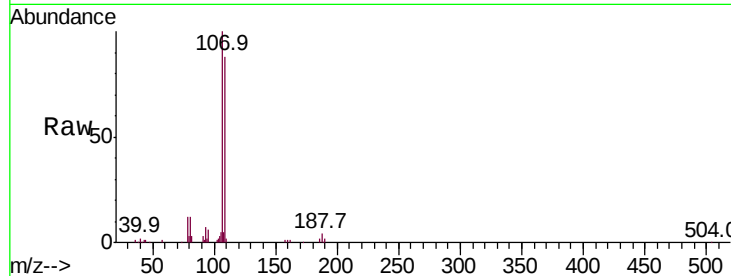
Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:107 Resp: 95317

Ion	Ratio	Lower	Upper
107	100		
109	91.7	74.9	112.3



#62

4-Bromofluorobenzene

Concen: 49.612 ug/l

RT: 12.65 min Scan# 1824

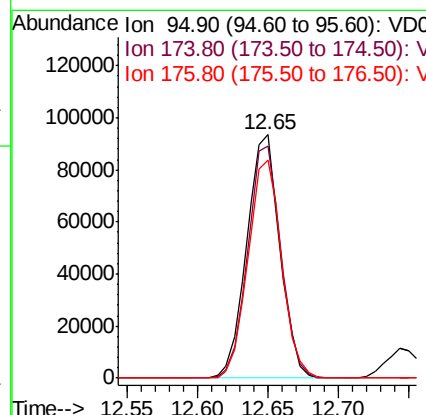
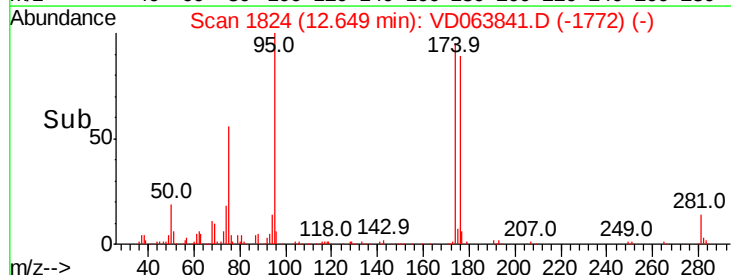
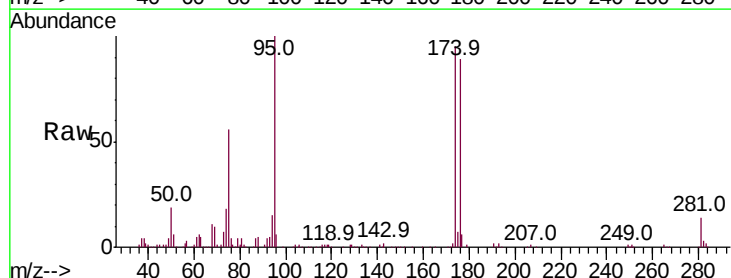
Delta R.T. 0.01 min

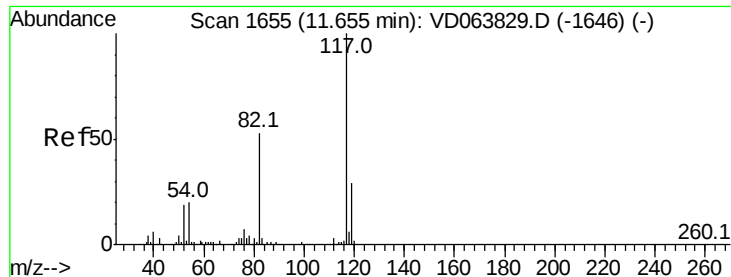
Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Tgt Ion: 95 Resp: 153599

Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	183.2
176	90.7	0.0	177.4

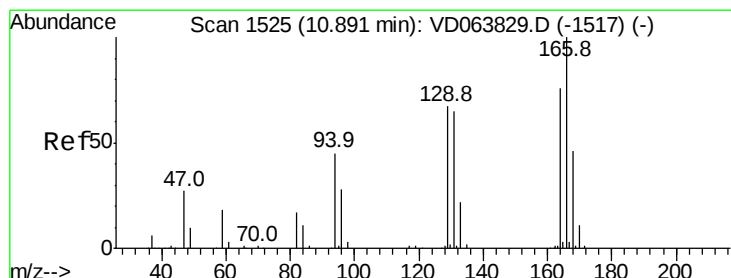
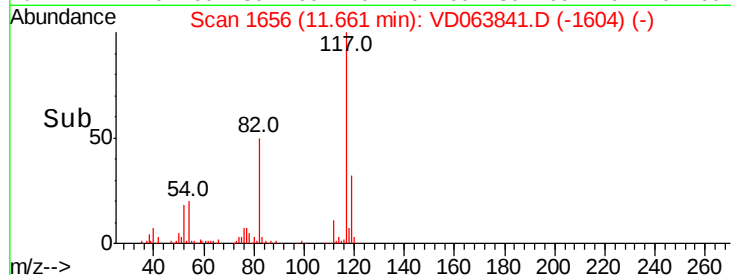
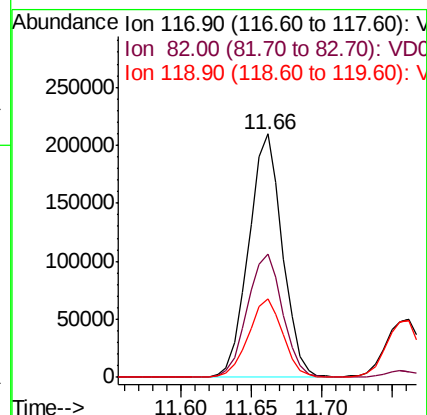
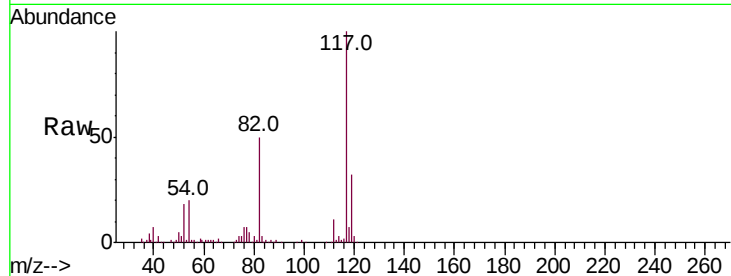




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

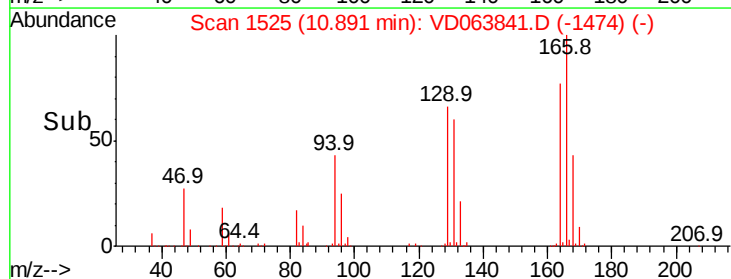
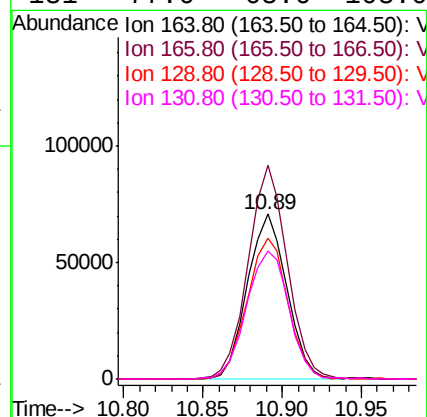
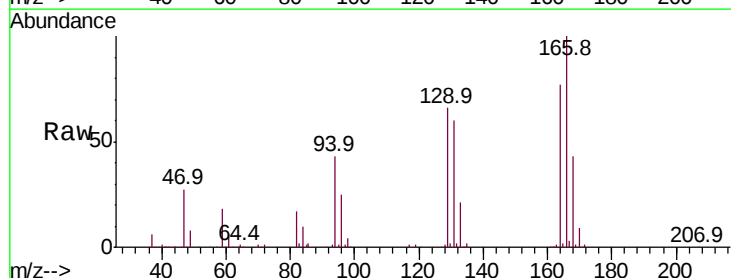
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

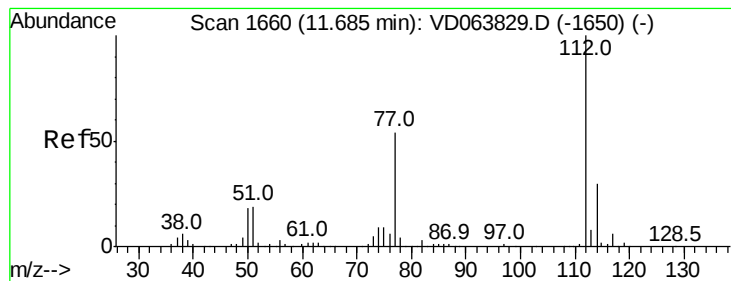
Tot Ion:117 Resp: 352494
Ion Ratio Lower Upper
117 100
82 50.5 42.4 63.6
119 32.2 23.5 35.3



#64
Tetrachloroethene
Concen: 51.507 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion:164 Resp: 122300
Ion Ratio Lower Upper
164 100
166 129.8 105.5 158.3
129 85.2 70.2 105.4
131 77.6 68.6 103.0





#65

Chlorobenzene

Concen: 50.630 ug/l

RT: 11.68 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

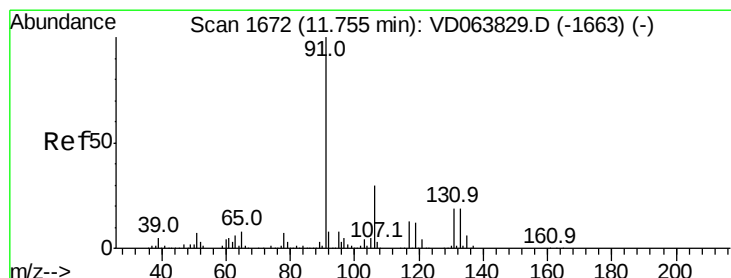
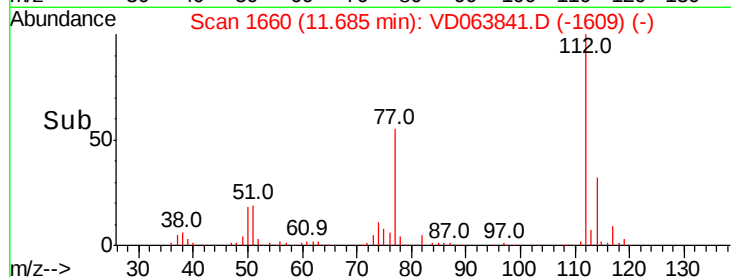
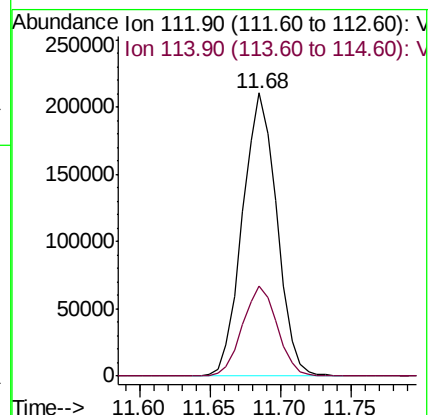
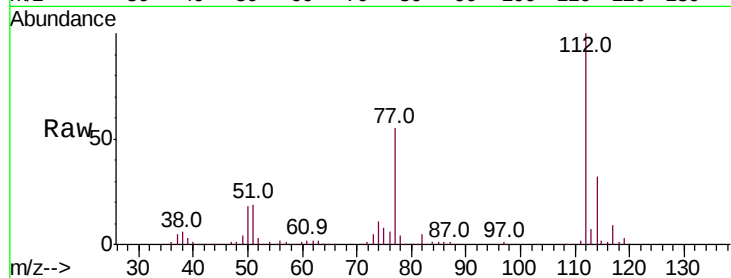
VSTDCCC050EC

Tot Ion:112 Resp: 359000

Ion Ratio Lower Upper

112 100

114 31.7 24.2 36.2



#66

1,1,1,2-Tetrachloroethane

Concen: 51.350 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

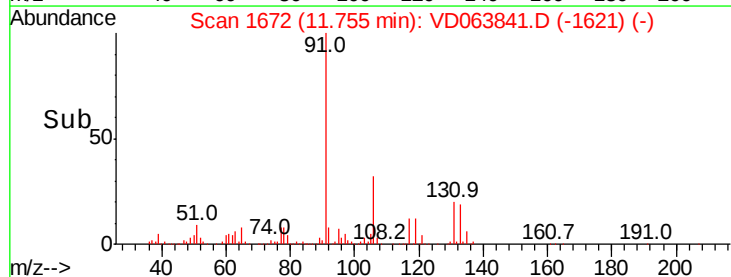
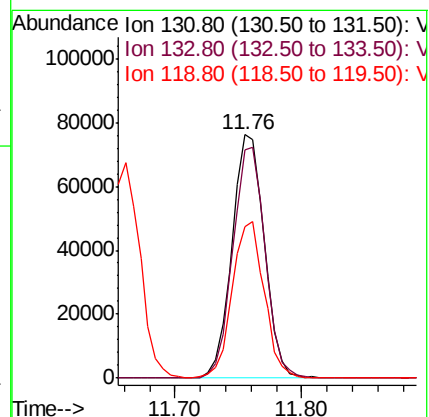
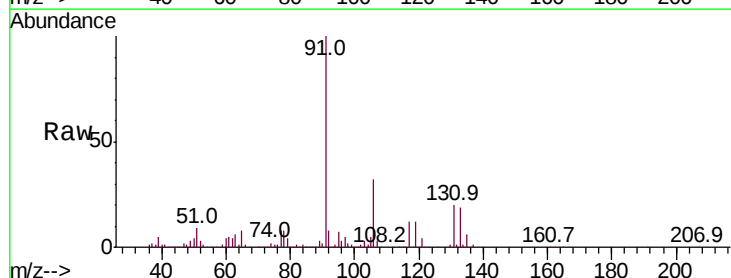
Tgt Ion:131 Resp: 133813

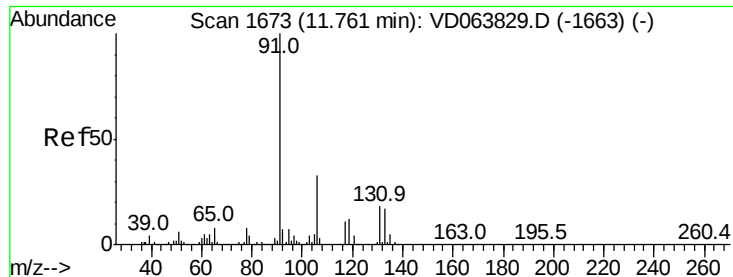
Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.3

119 63.8 31.6 94.8





#67

Ethyl Benzene

Concen: 51.900 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

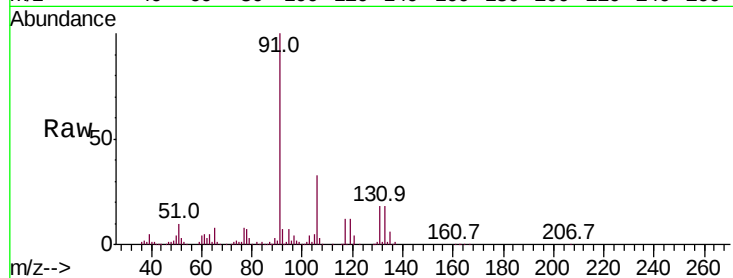
VSTDCCC050EC

Tot Ion: 91 Resp: 664730

Ion Ratio Lower Upper

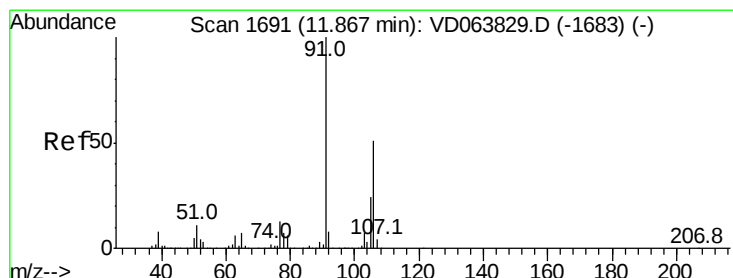
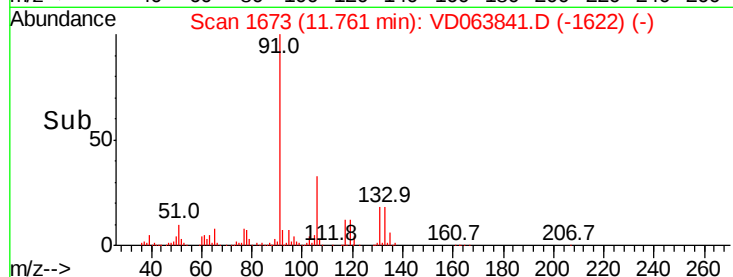
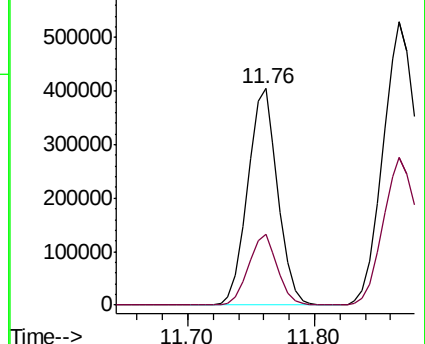
91 100

106 32.7 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.889 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063841.D

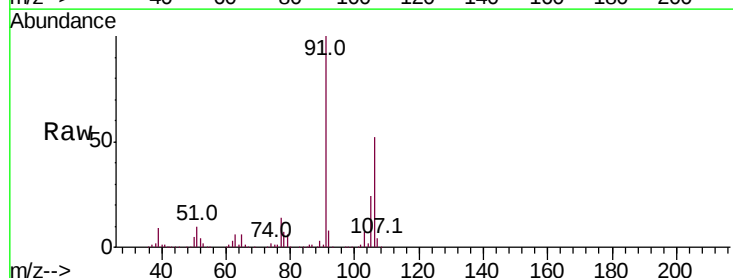
Acq: 26 Sep 2019 17:19

Tgt Ion:106 Resp: 515891

Ion Ratio Lower Upper

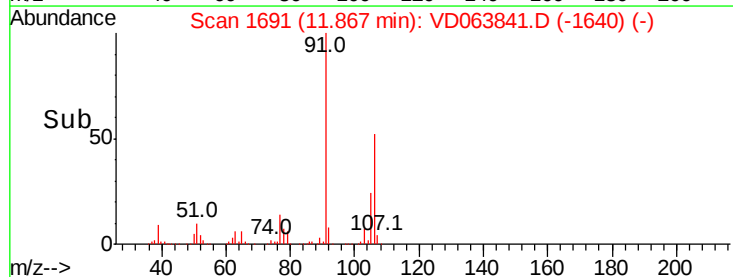
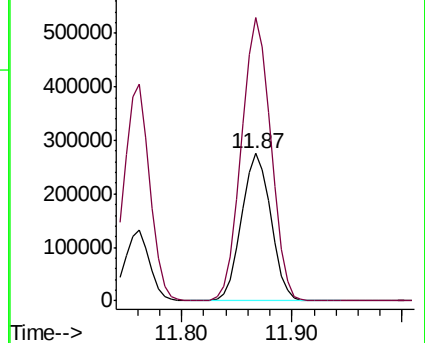
106 100

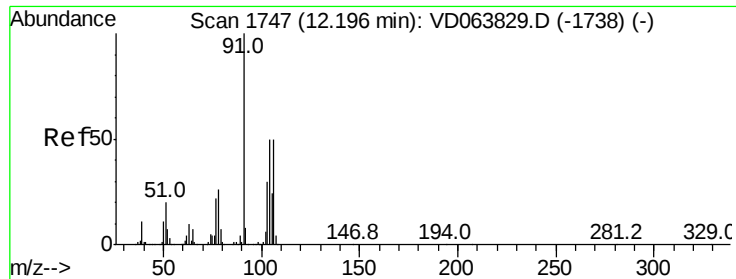
91 192.9 157.6 236.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

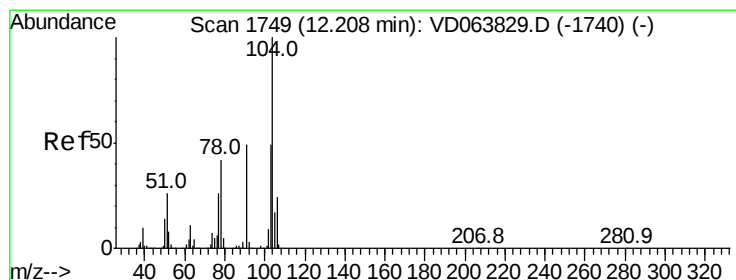
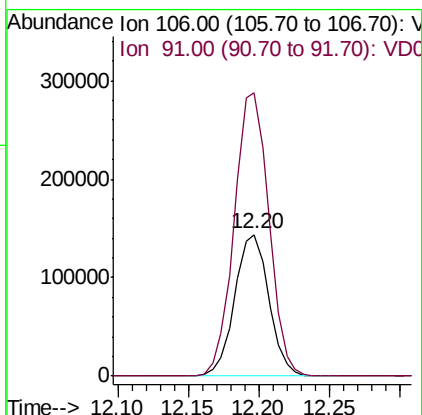
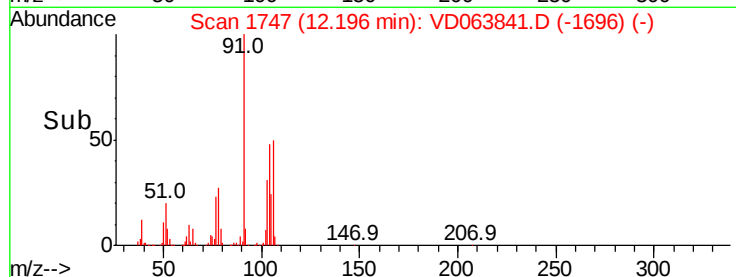
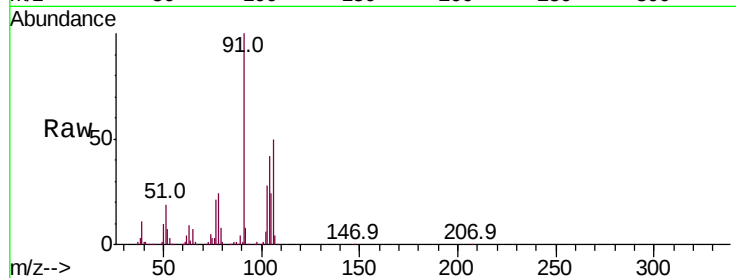




#69
o-Xylene
Concen: 52.338 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

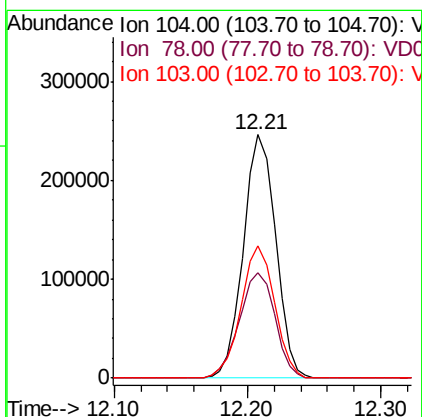
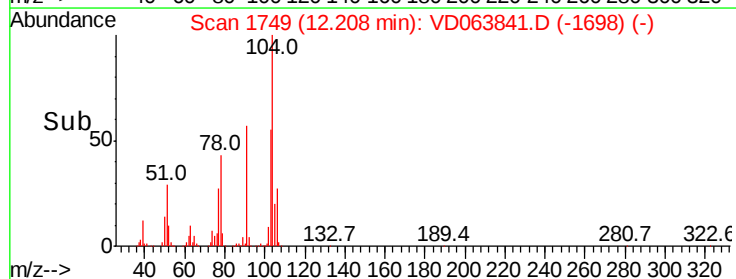
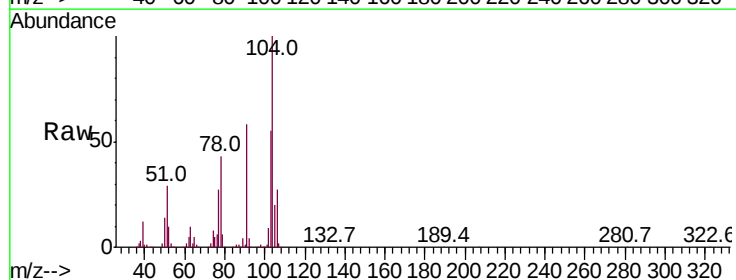
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

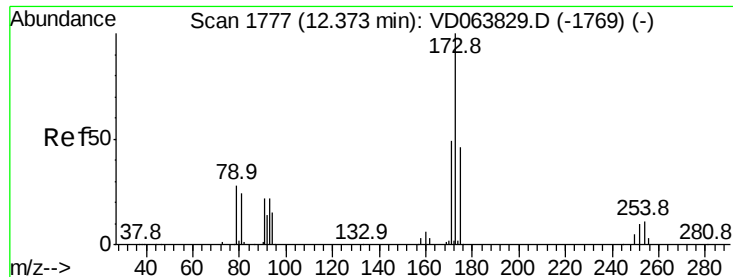
Tot Ion:106 Resp: 242967
Ion Ratio Lower Upper
106 100
91 203.4 102.4 307.1



#70
Styrene
Concen: 52.514 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion:104 Resp: 412589
Ion Ratio Lower Upper
104 100
78 47.9 37.3 55.9
103 56.8 44.2 66.4





#71

Bromoform

Concen: 54.599 ug/l

RT: 12.38 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

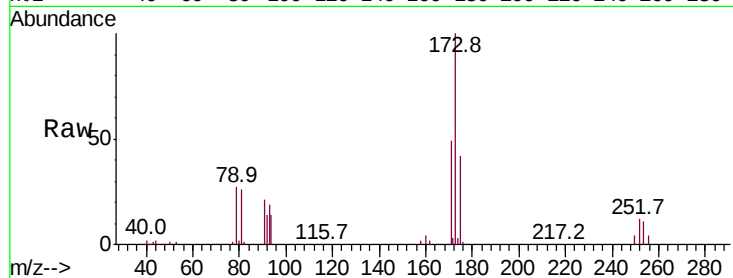
Tot Ion:173 Resp: 79038

Ion Ratio Lower Upper

173 100

175 47.1 23.3 69.8

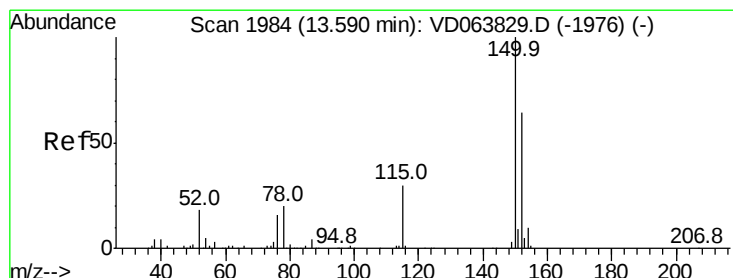
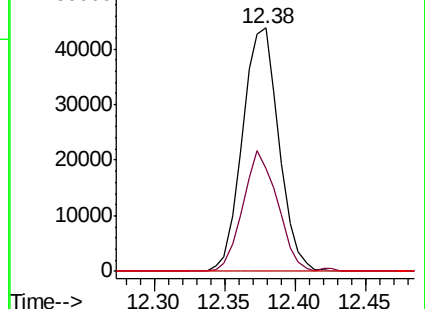
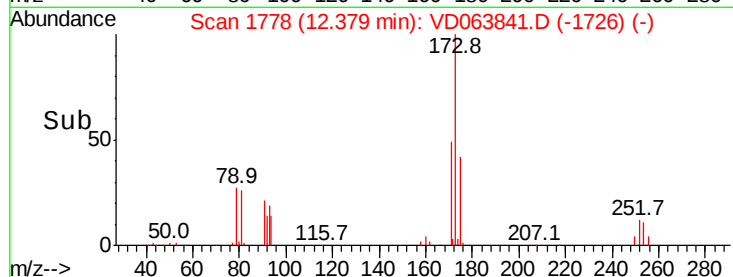
254 0.0 0.1 0.1#



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: VD063841.D

Acq: 26 Sep 2019 17:19

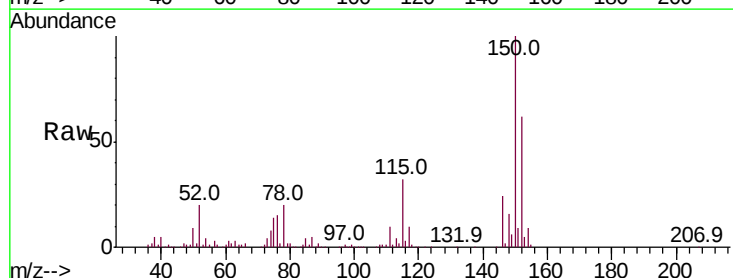
Tgt Ion:152 Resp: 190761

Ion Ratio Lower Upper

152 100

115 53.9 27.0 81.0

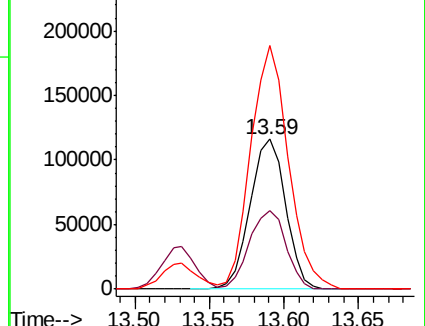
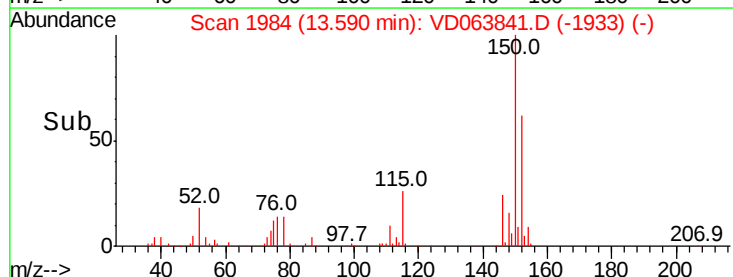
150 172.6 0.0 344.0

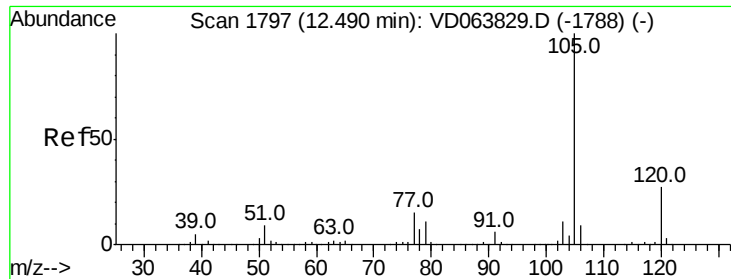


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

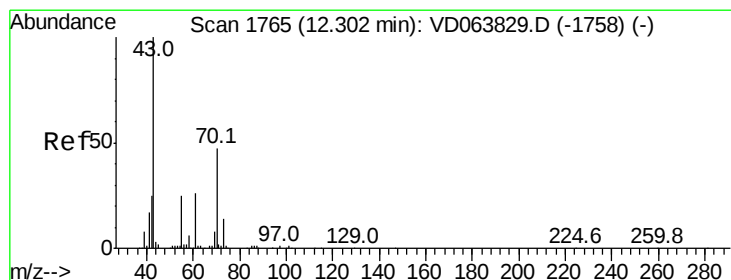
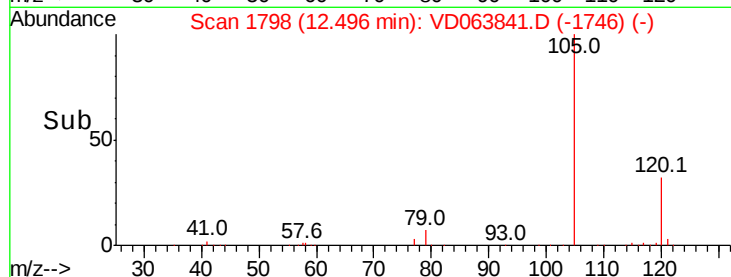
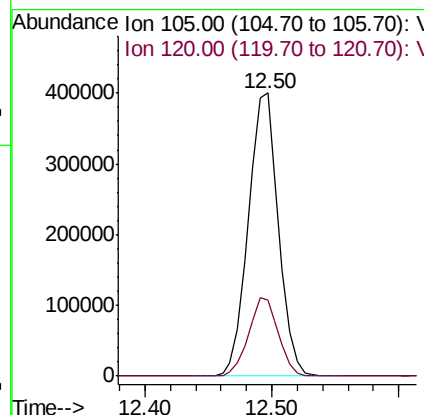
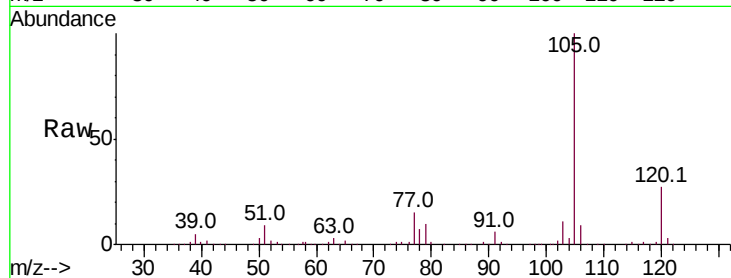




#73
Isopropylbenzene
Concen: 50.492 ug/l
RT: 12.50 min Scan# 1798
Delta R.T. 0.01 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

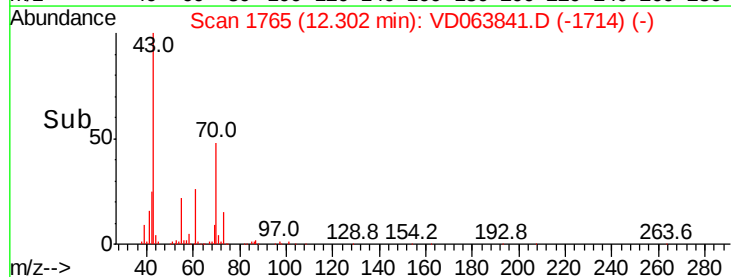
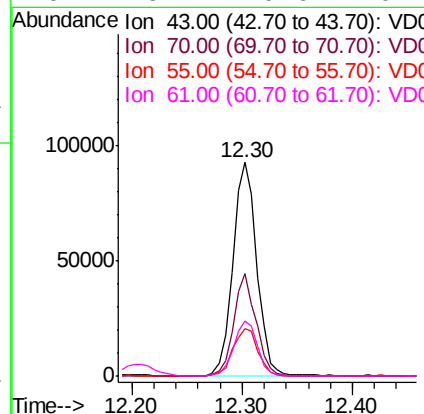
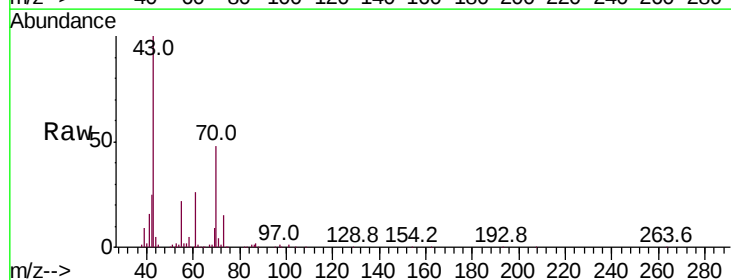
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

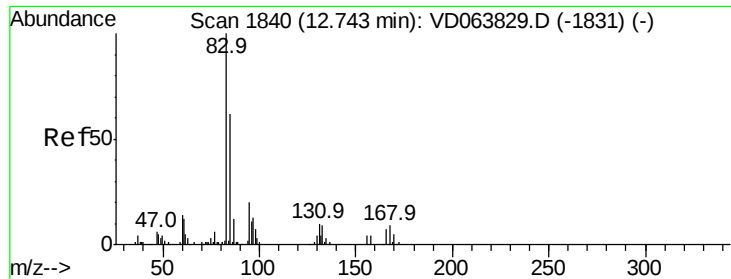
Tot Ion:105 Resp: 657889
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.0



#74
N-ethyl acetate
Concen: 49.149 ug/l
RT: 12.30 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 43 Resp: 140186
Ion Ratio Lower Upper
43 100
70 44.6 35.0 52.6
55 23.3 19.8 29.6
61 25.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.650 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

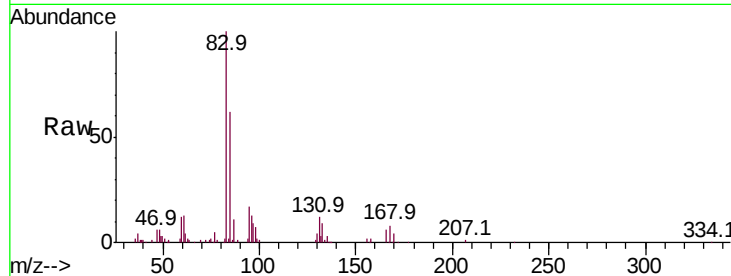
Tot Ion: 83 Resp: 107831

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

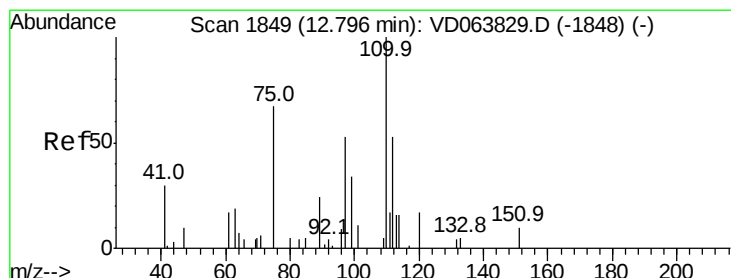
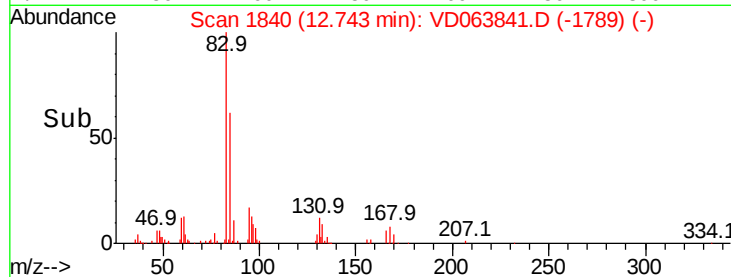
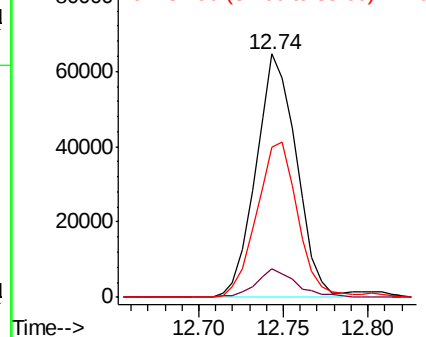
85 64.5 31.9 95.7



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: 100.328 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063841.D

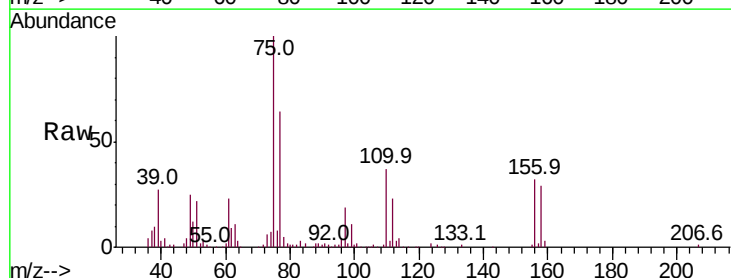
Acq: 26 Sep 2019 17:19

Tgt Ion: 75 Resp: 145119

Ion Ratio Lower Upper

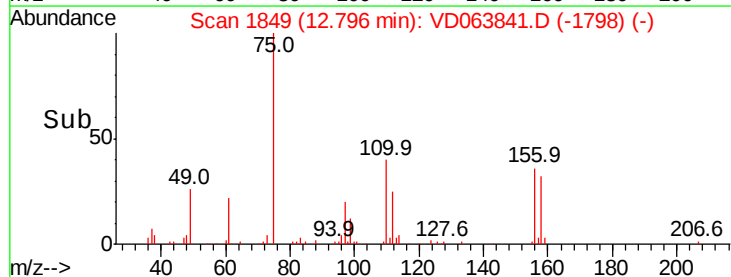
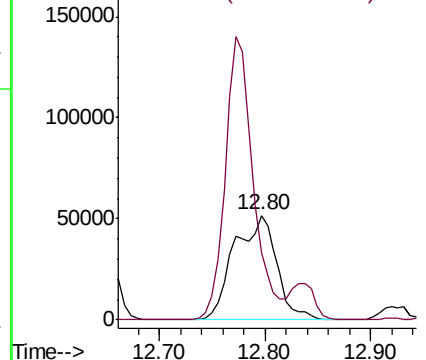
75 100

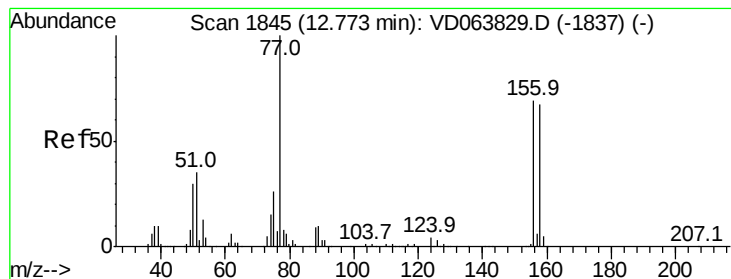
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.697 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

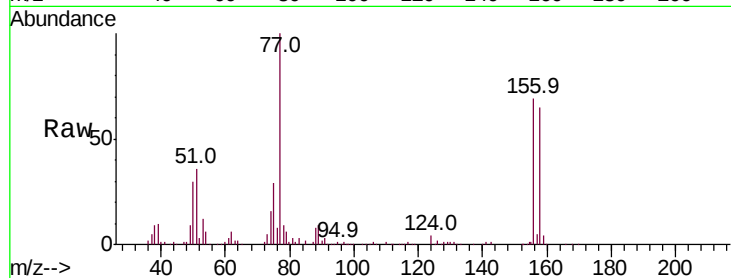
Tot Ion:156 Resp: 161883

Ion Ratio Lower Upper

156 100

77 157.6 79.8 239.4

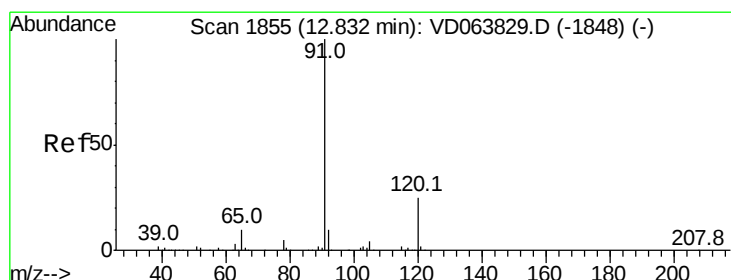
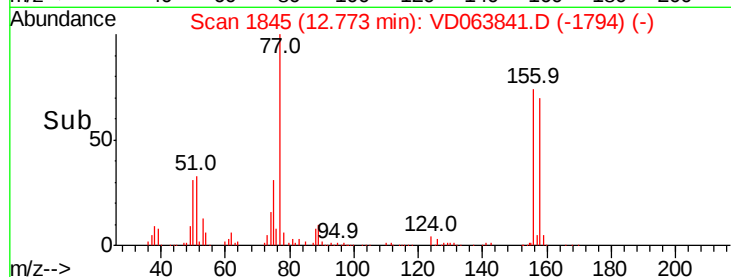
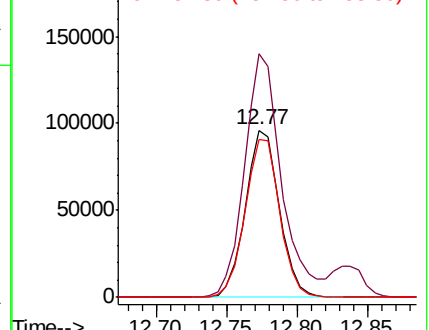
158 96.1 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.481 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063841.D

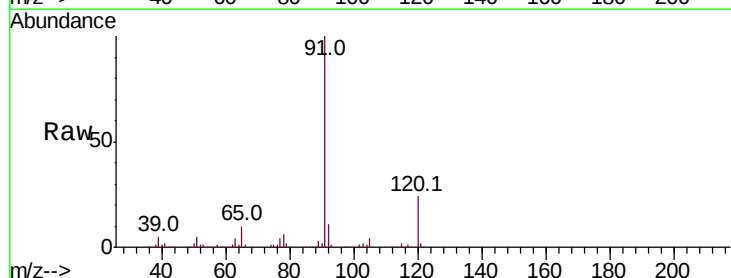
Acq: 26 Sep 2019 17:19

Tgt Ion: 91 Resp: 773831

Ion Ratio Lower Upper

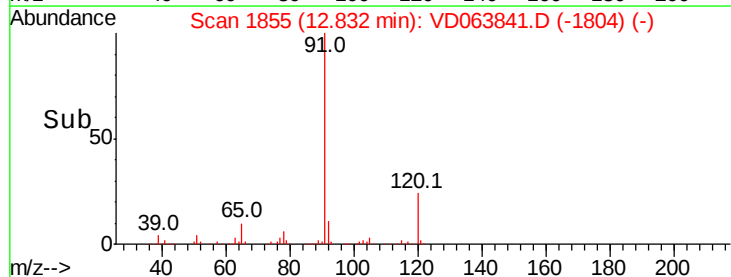
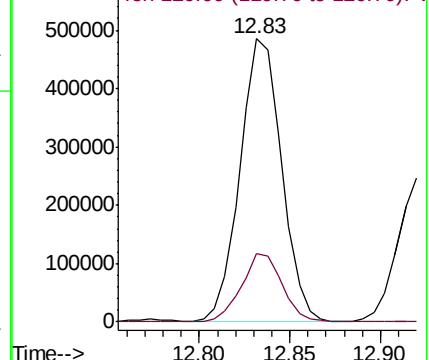
91 100

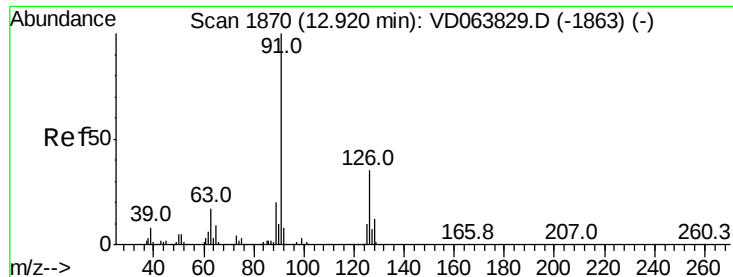
120 23.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

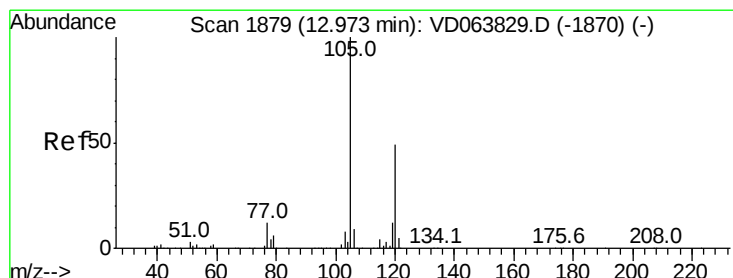
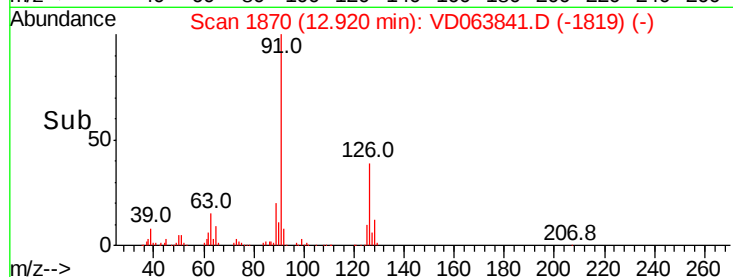
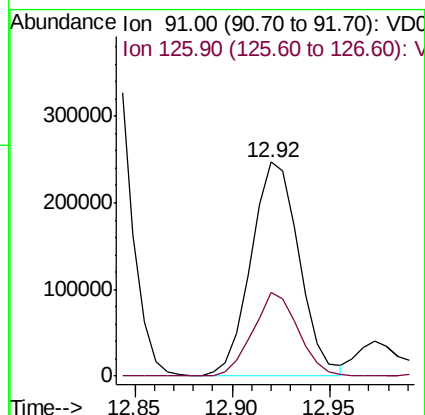
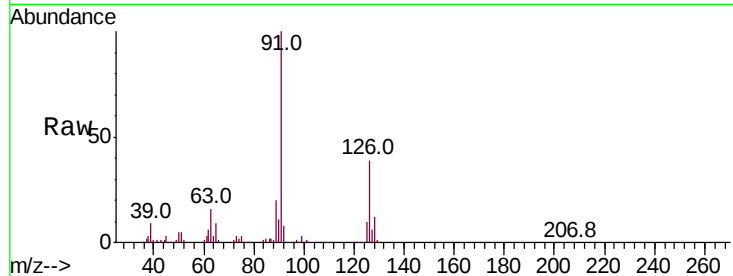




#79
 2-Chlorotoluene
 Concen: 51.079 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

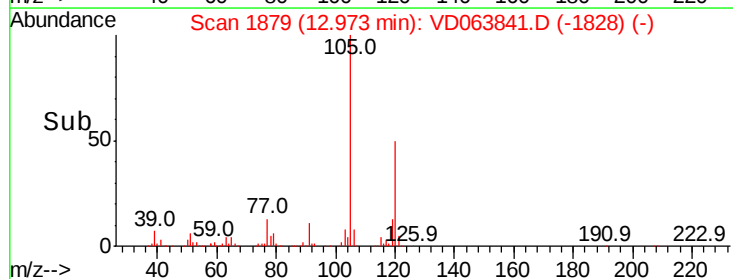
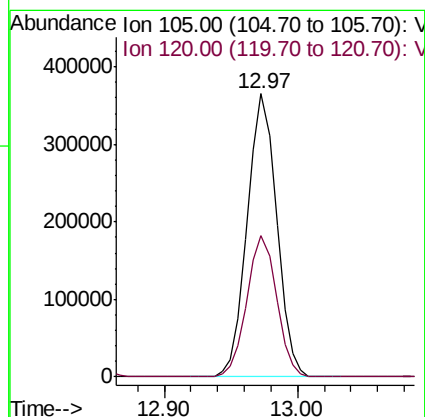
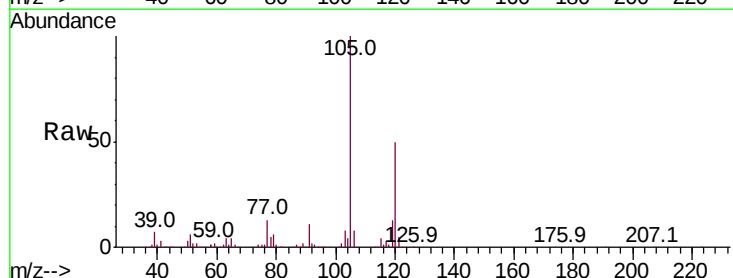
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

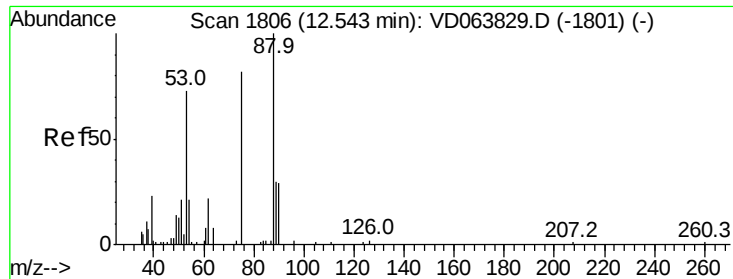
Tot Ion: 91 Resp: 422331
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.241 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion:105 Resp: 556568
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.067 ug/l

RT: 12.54 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

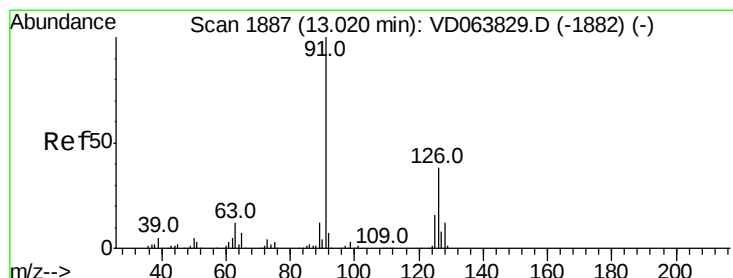
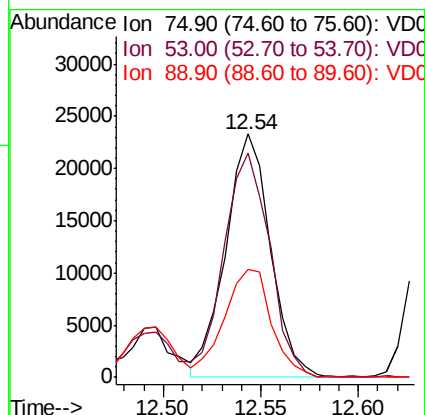
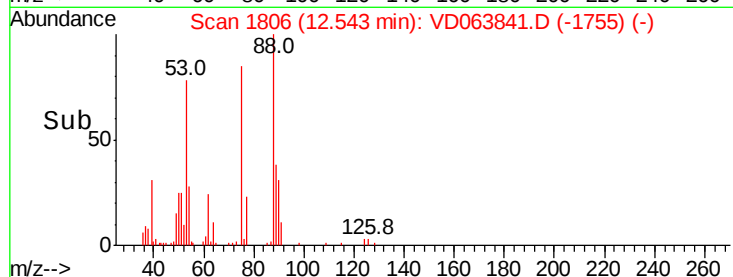
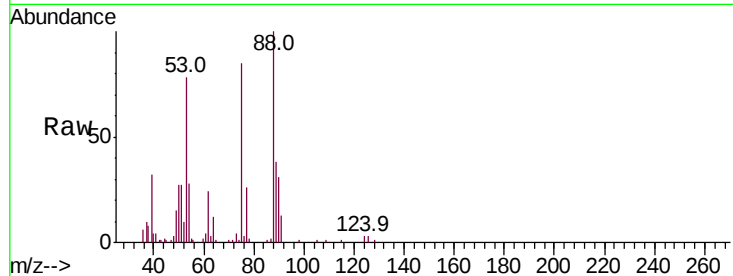
Tot Ion: 75 Resp: 36986

Ion Ratio Lower Upper

75 100

53 94.4 76.5 114.7

89 47.0 37.0 55.6



#82

4-Chlorotoluene

Concen: 49.850 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VD063841.D

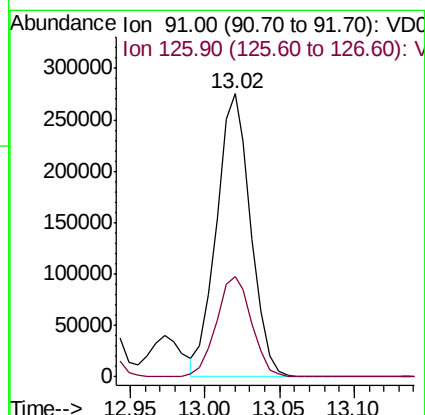
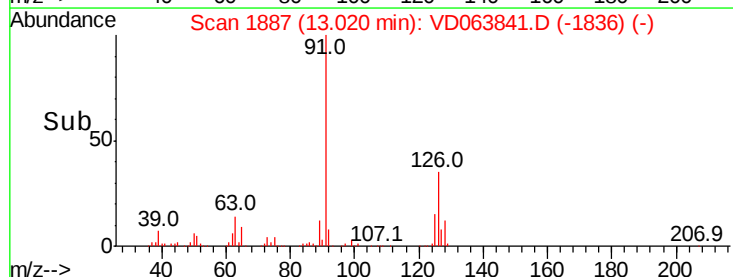
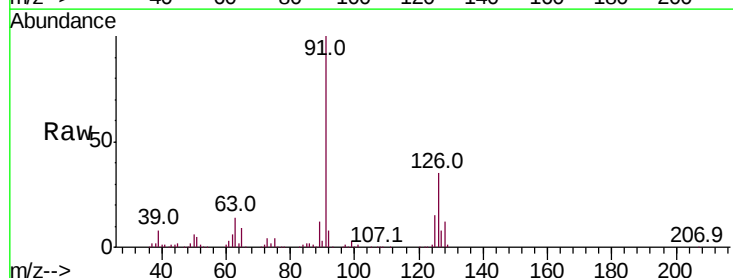
Acq: 26 Sep 2019 17:19

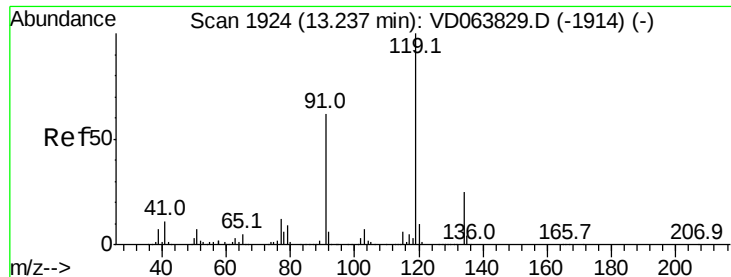
Tgt Ion: 91 Resp: 439682

Ion Ratio Lower Upper

91 100

126 36.6 18.6 55.6

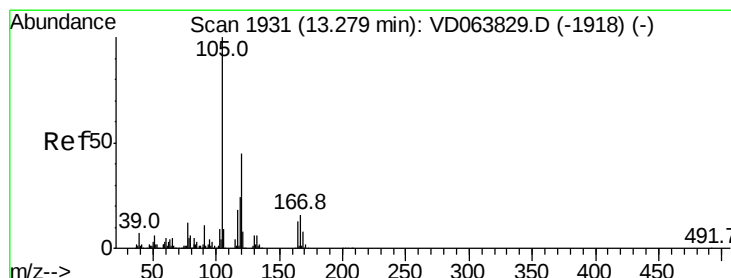
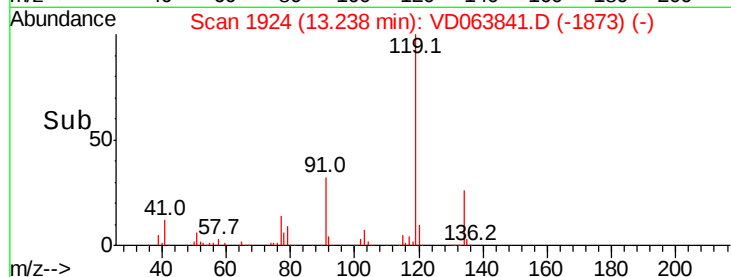
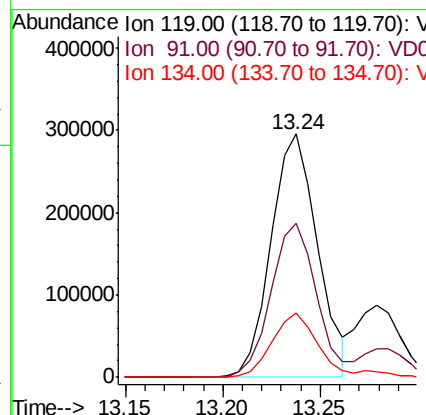
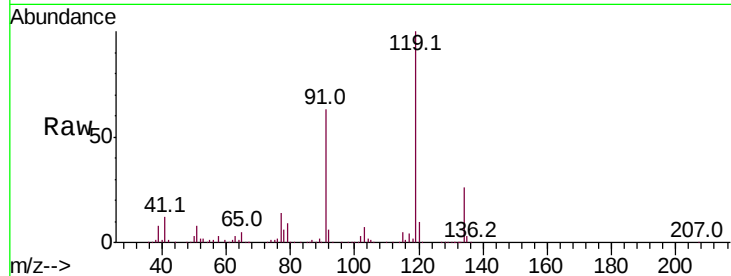




#83
 tert-Butylbenzene
 Concen: 51.369 ug/l
 RT: 13.24 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

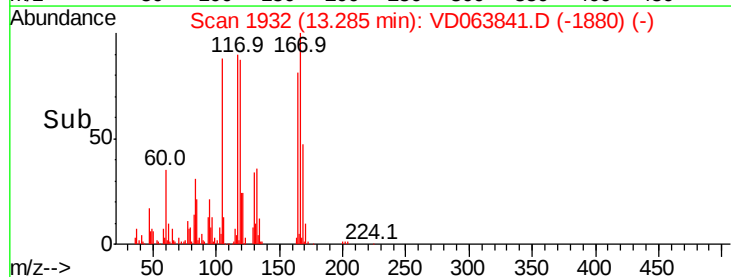
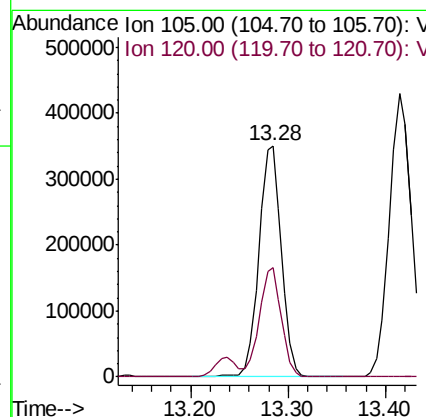
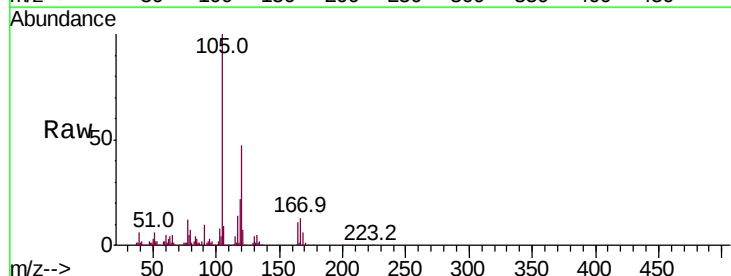
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

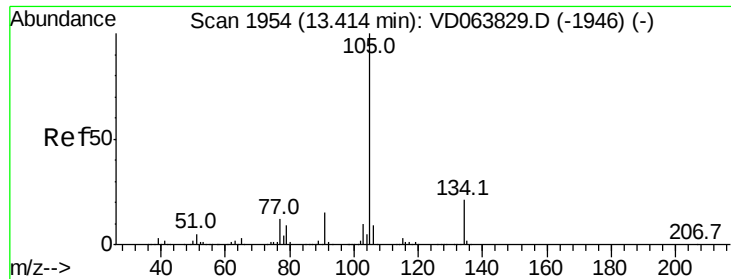
Tot Ion:119 Resp: 487528
 Ion Ratio Lower Upper
 119 100
 91 62.8 30.8 92.3
 134 25.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.503 ug/l
 RT: 13.28 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion:105 Resp: 567922
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.189 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

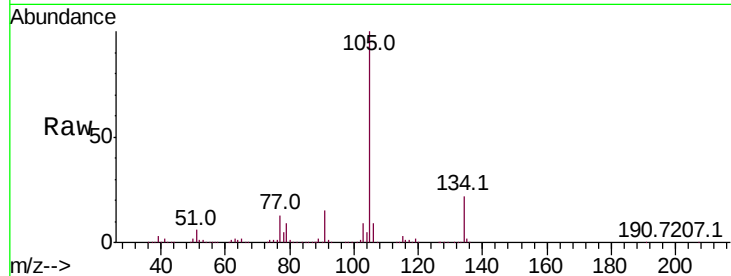
VSTDCCC050EC

Tot Ion:105 Resp: 676008

Ion Ratio Lower Upper

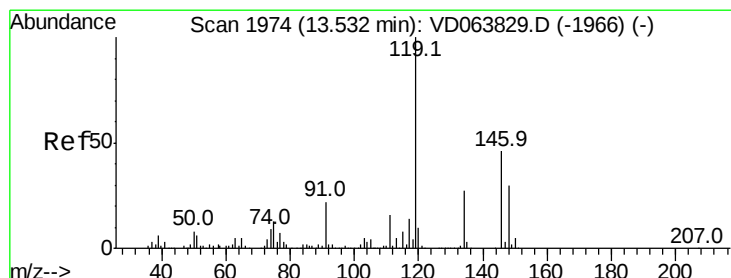
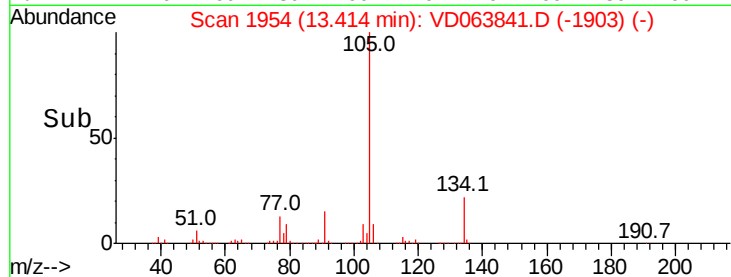
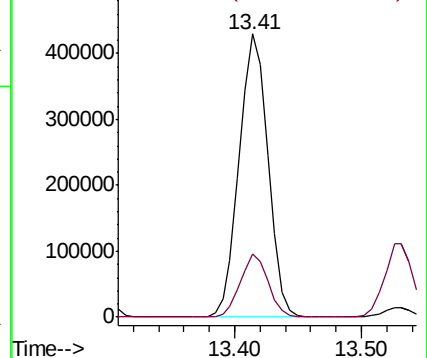
105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.575 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

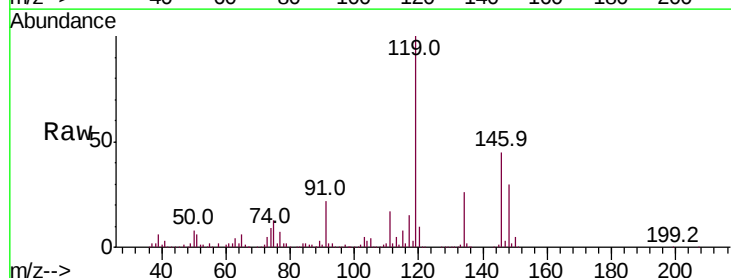
Tgt Ion:119 Resp: 639679

Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.6

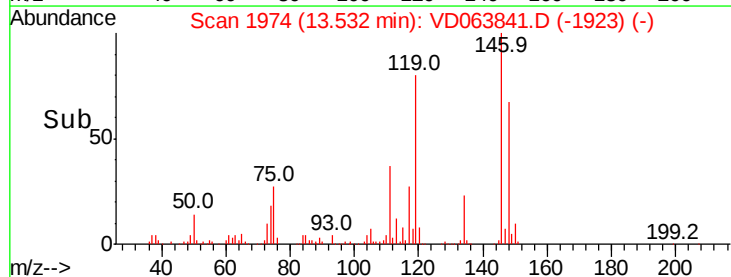
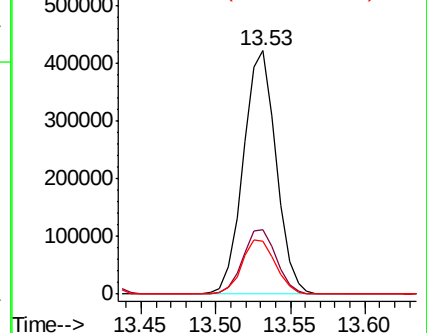
91 22.9 11.4 34.1

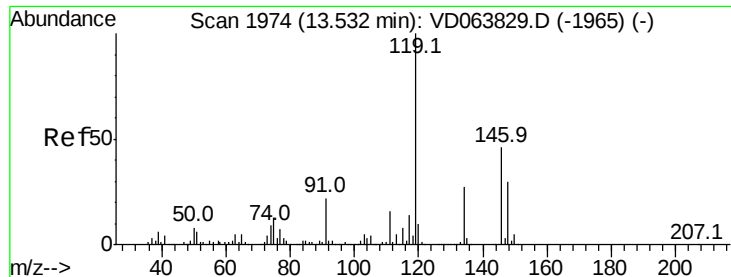


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.732 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

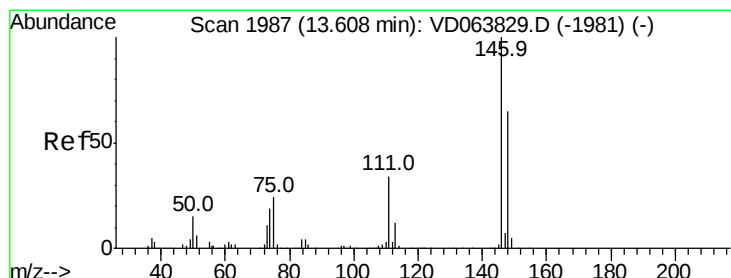
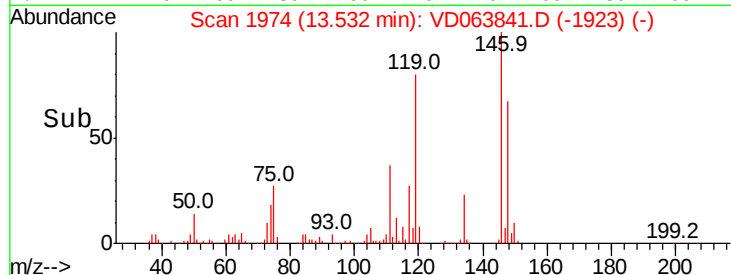
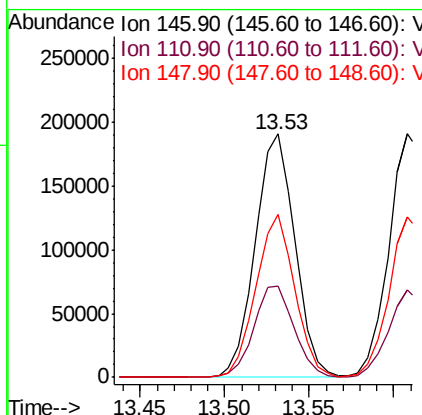
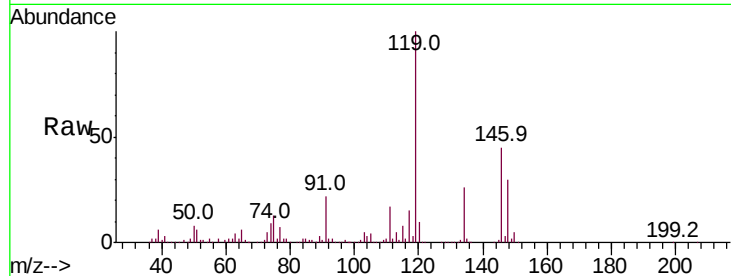
Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 311909

Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.3	54.8
148	65.4	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 51.417 ug/l

RT: 13.61 min Scan# 1987

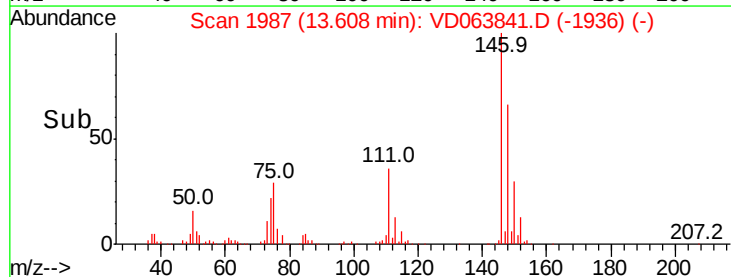
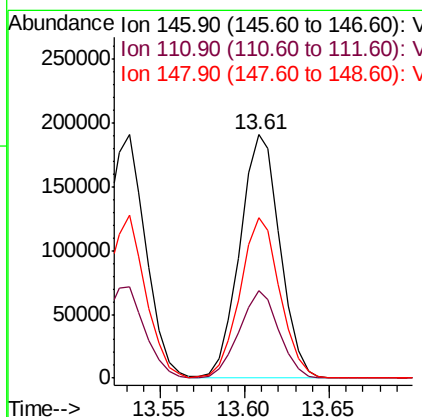
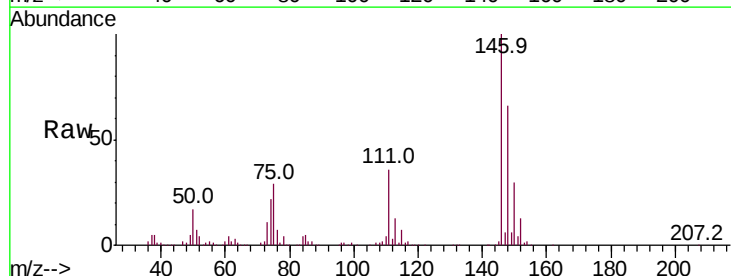
Delta R.T. 0.00 min

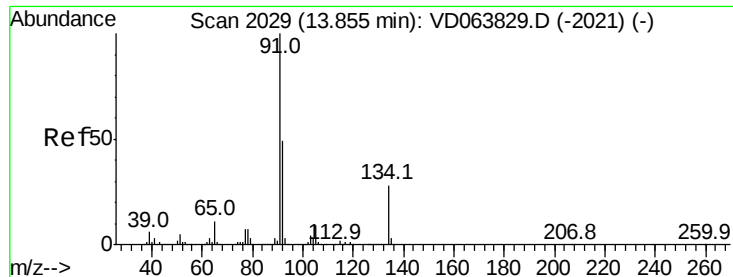
Lab File: VD063841.D

Acq: 26 Sep 2019 17:19

Tgt Ion:146 Resp: 314395

Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.5	55.5
148	65.6	33.0	99.0

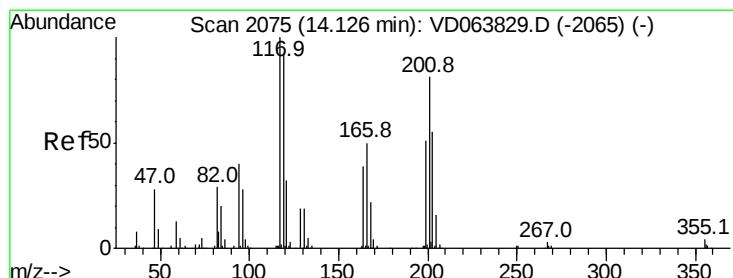
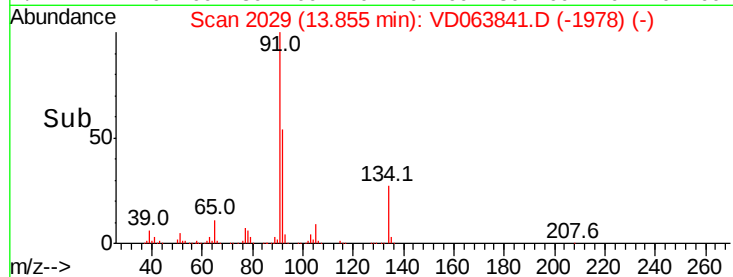
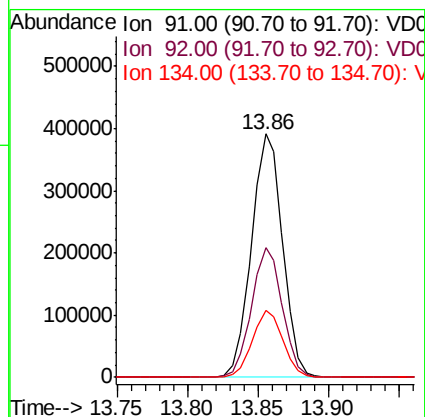
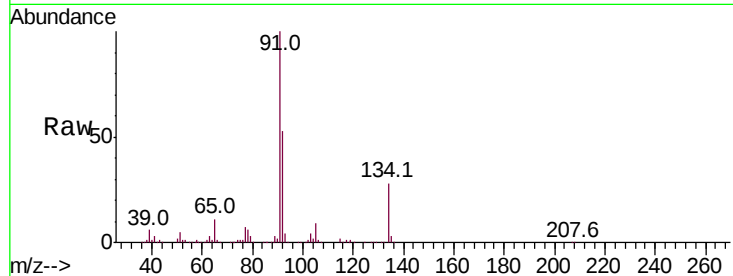




#89
n-Butylbenzene
Concen: 51.326 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

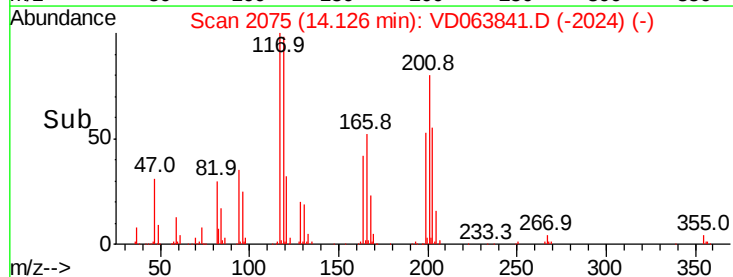
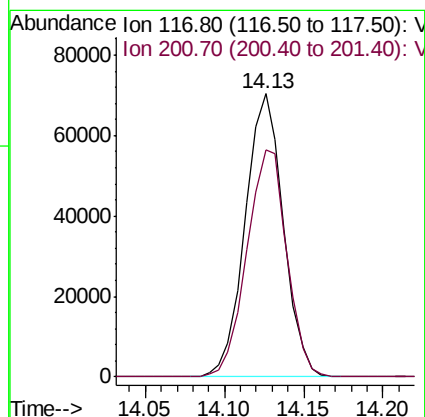
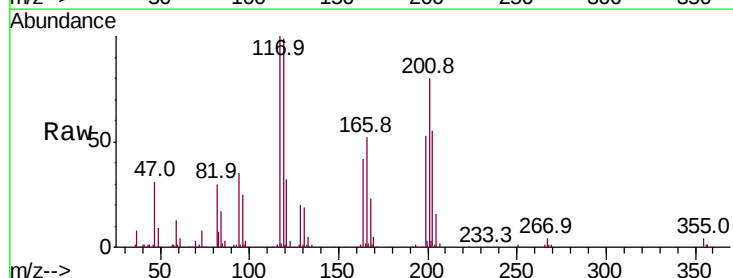
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

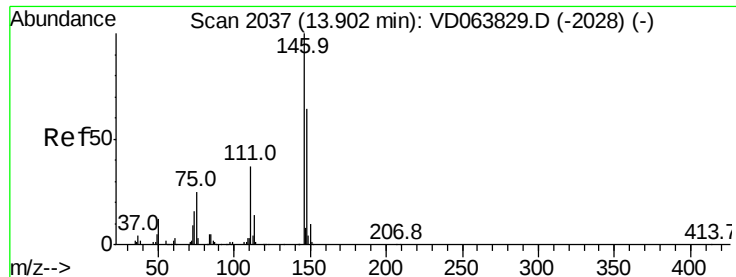
Tot Ion: 91 Resp: 605869
Ion Ratio Lower Upper
91 100
92 52.8 26.1 78.2
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 51.200 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion: 117 Resp: 117622
Ion Ratio Lower Upper
117 100
201 83.9 39.3 117.8

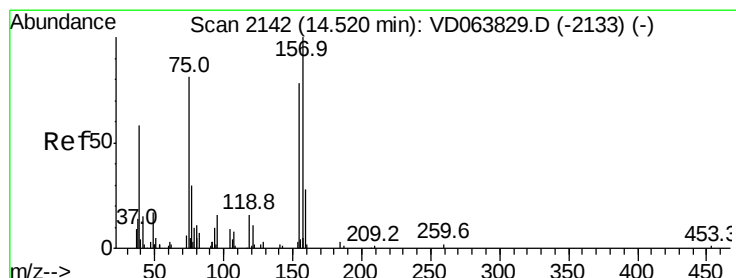
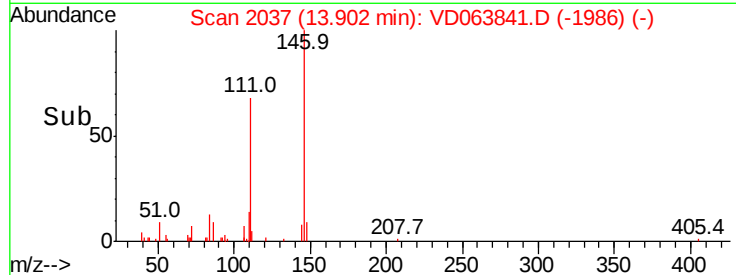
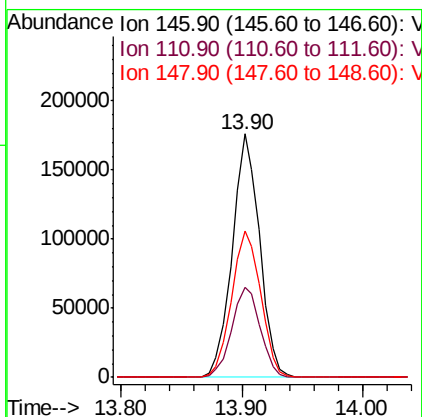
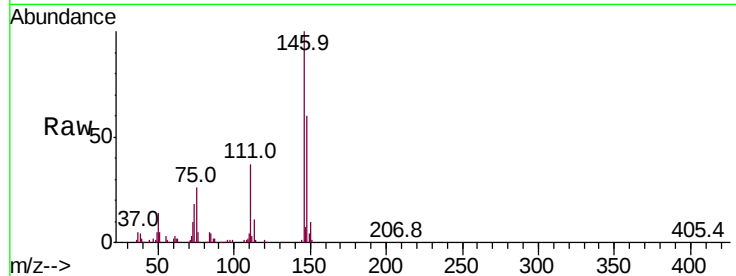




#91
 1,2-Dichlorobenzene
 Concen: 52.795 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

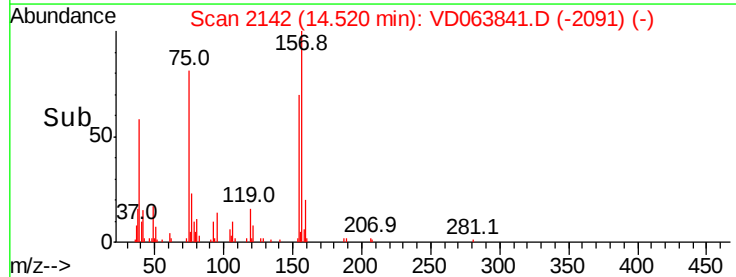
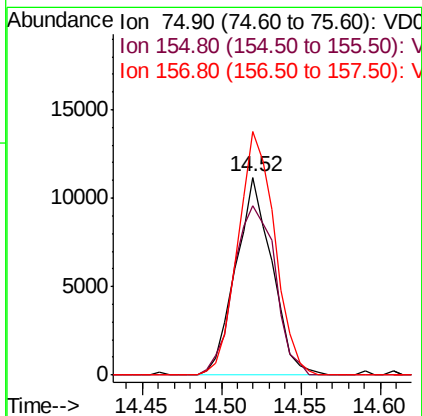
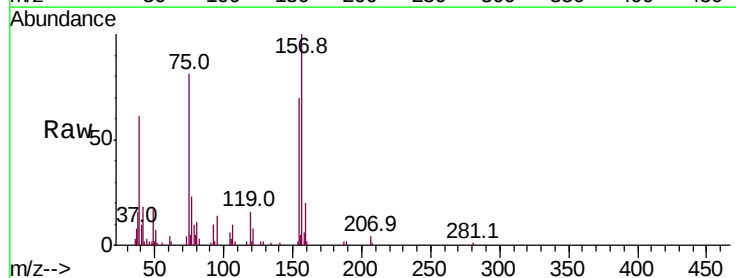
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

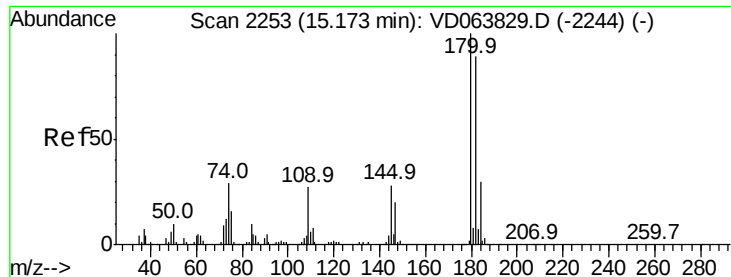
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.7
148	63.8	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.411 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	48.0	144.0
157	124.9	63.2	189.8

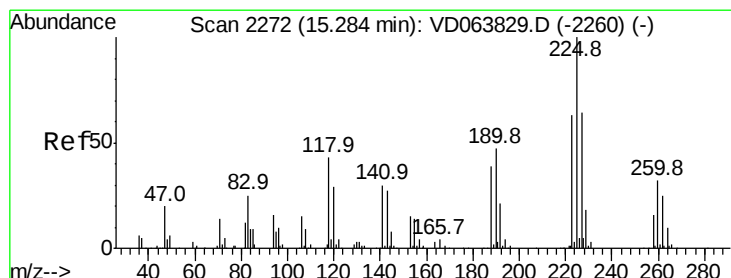
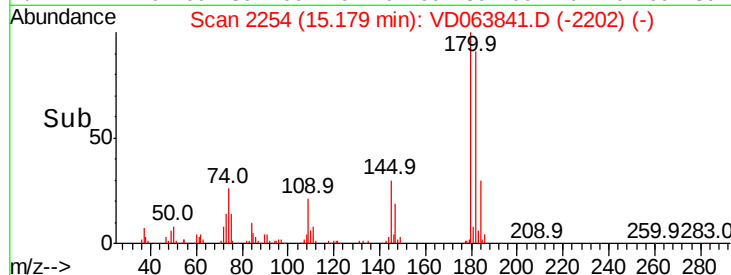
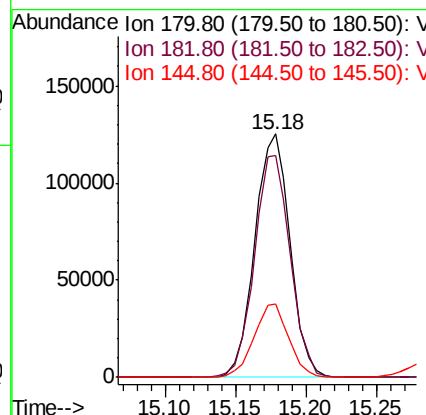
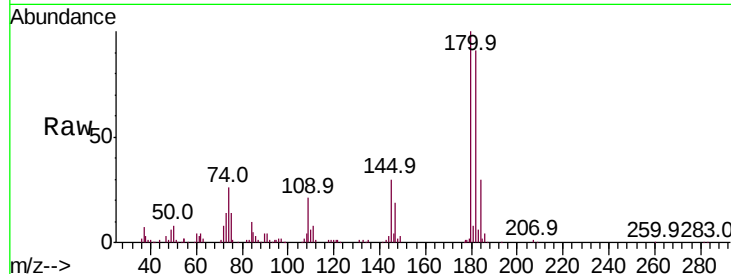




#93
 1,2,4-Trichlorobenzene
 Concen: 54.659 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

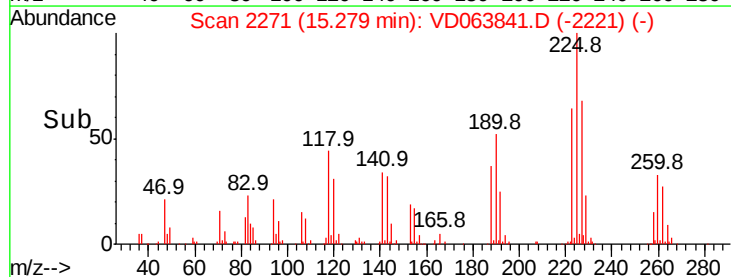
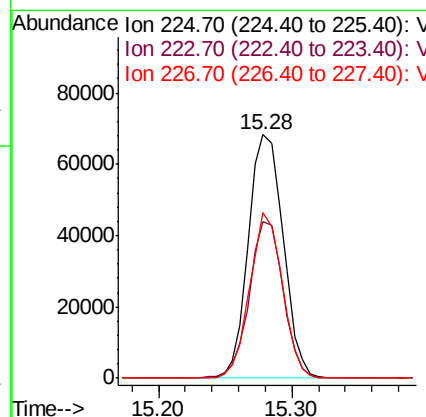
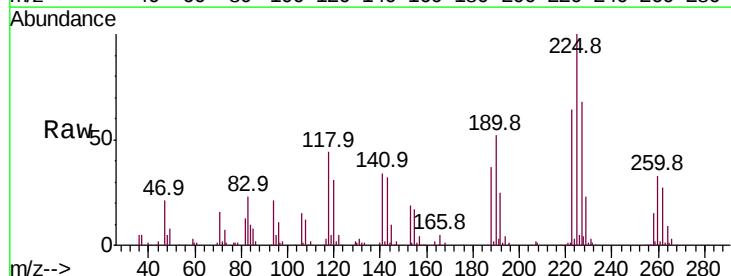
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

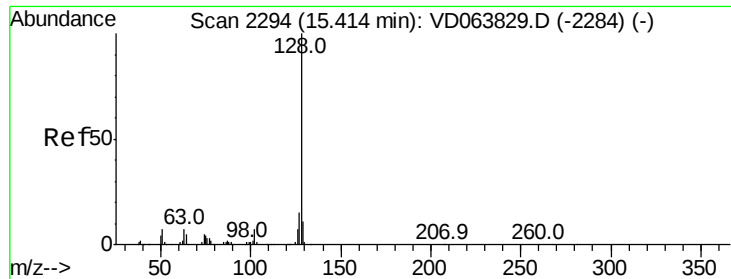
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.5	139.5
145	29.6	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 54.204 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063841.D
 Acq: 26 Sep 2019 17:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.8	98.3
227	63.5	32.8	98.3

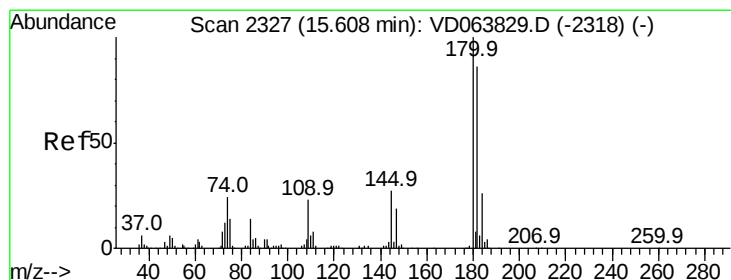
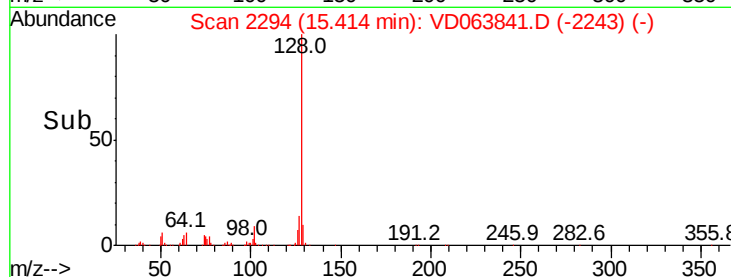
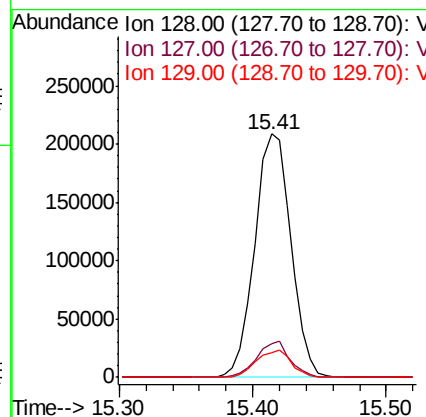
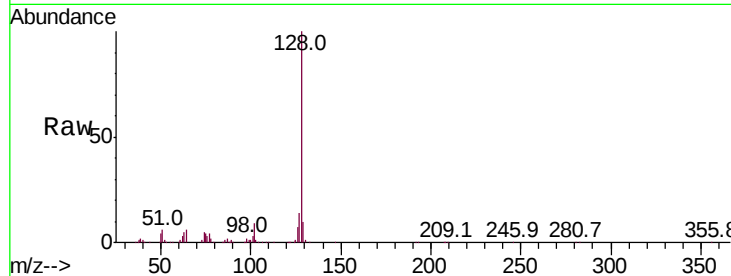




#95
Naphthalene
Concen: 54.434 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 391485
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.189 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD063841.D
Acq: 26 Sep 2019 17:19

Tgt Ion:180 Resp: 188854
Ion Ratio Lower Upper
180 100
182 95.4 46.6 139.7
145 31.5 14.5 43.5

