

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063190.D
 Acq On : 29 Jul 2019 10:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 30 12:33:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1058873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1491922	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1245029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	679357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	435967	37.11	ug/l	0.00
Spiked Amount			Recovery	=	74.22%	
35) Dibromofluoromethane	6.91	113	491808	38.61	ug/l	0.00
Spiked Amount			Recovery	=	77.22%	
50) Toluene-d8	10.41	98	980091	34.38	ug/l	0.00
Spiked Amount			Recovery	=	68.76%	
62) 4-Bromofluorobenzene	13.55	95	474629	36.54	ug/l	0.00
Spiked Amount			Recovery	=	73.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	460687	35.593	ug/l	100
3) Chloromethane	1.74	50	382032	37.990	ug/l	91
4) Vinyl Chloride	1.84	62	440326	42.297	ug/l	99
5) Bromomethane	2.14	94	209369	39.877	ug/l	98
6) Chloroethane	2.26	64	215863	44.911	ug/l	93
7) Trichlorofluoromethane	2.52	101	865712	42.865	ug/l	99
8) Diethyl Ether	2.87	74	137760	48.738	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.13	101	566914	50.674	ug/l	98
10) Methyl Iodide	3.29	142	714874	44.233	ug/l	99
11) Tert butyl alcohol	4.07	59	134800	261.437	ug/l	95
12) 1,1-Dichloroethene	3.11	96	392794	47.826	ug/l	95
13) Acrolein	3.02	56	13770	27.749	ug/l	87
14) Allyl chloride	3.61	41	594180	45.414	ug/l	92
15) Acrylonitrile	4.19	53	377377	282.306	ug/l	94
16) Acetone	3.21	43	765948	334.591	ug/l	98
17) Carbon Disulfide	3.36	76	933504	33.958	ug/l	98
18) Methyl Acetate	3.63	43	191501	43.551	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	998997	53.848	ug/l	100
20) Methylene Chloride	3.80	84	410574	44.371	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	394311	42.789	ug/l	96
22) Diisopropyl ether	5.12	45	1417781	54.239	ug/l	99
23) Vinyl Acetate	5.04	43	4511020	280.743	ug/l	99
24) 1,1-Dichloroethane	4.97	63	827099	49.536	ug/l	96
25) 2-Butanone	6.07	43	693848	302.013	ug/l	96
26) 2,2-Dichloropropane	6.01	77	928040	53.935	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	477712	48.351	ug/l	96
28) Bromochloromethane	6.43	49	239750	36.039	ug/l #	92
29) Tetrahydrofuran	6.45	42	315647	290.195	ug/l	99
30) Chloroform	6.66	83	1038622	50.124	ug/l	98
31) Cyclohexane	6.94	56	478997	45.768	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	1022238	51.003	ug/l	97
36) 1,1-Dichloropropene	7.14	75	616314	45.265	ug/l	97
37) Ethyl Acetate	6.17	43	327391	53.522	ug/l #	94
38) Carbon Tetrachloride	7.10	117	1087729	53.065	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	543867	47.943	ug/l	89
40) Benzene	7.44	78	1313367	46.025	ug/l	98
41) Methacrylonitrile	6.44	41	402486	55.006	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	749133	49.535	ug/l	98
43) Isopropyl Acetate	9.24	43	427413	54.700	ug/l #	99
44) Trichloroethene	8.54	130	528206	45.680	ug/l	97
45) 1,2-Dichloropropane	8.93	63	341614	47.099	ug/l	98
46) Dibromomethane	9.06	93	306538	50.828	ug/l	91
47) Bromodichloromethane	9.36	83	820077	53.344	ug/l	93
48) Methyl methacrylate	9.12	41	293498	57.915	ug/l	93
49) 1,4-Dioxane	9.08	88	51652	1204.027	ug/l	88
51) 4-Methyl-2-Pentanone	10.30	43	1486853	279.798	ug/l	100
52) Toluene	10.51	92	964563	50.822	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	717798	54.158	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	719512	51.654	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	335931	52.408	ug/l	94
56) Ethyl methacrylate	11.04	69	392525	55.923	ug/l	98
57) 1,3-Dichloropropane	11.40	76	500140	49.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	982236	268.936	ug/l	98
59) 2-Hexanone	11.53	43	1222333	319.188	ug/l	100
60) Dibromochloromethane	11.68	129	670275	55.390	ug/l	99
61) 1,2-Dibromoethane	11.80	107	394464	49.872	ug/l	89
64) Tetrachloroethene	11.25	164	471653	47.552	ug/l	98
65) Chlorobenzene	12.40	112	1167635	48.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	585335	55.489	ug/l	96
67) Ethyl Benzene	12.52	91	2071573	50.922	ug/l	98
68) m/p-Xylenes	12.66	106	1431442	95.947	ug/l	100
69) o-Xylene	13.05	106	680013	49.635	ug/l	90
70) Styrene	13.07	104	1187994	48.896	ug/l	95
71) Bromoform	13.23	173	442615	57.699	ug/l	98
73) Isopropylbenzene	13.40	105	2266800	53.163	ug/l	95
74) N-amyl acetate	13.26	43	607878	53.929	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	423132	58.421	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	423308	51.876	ug/l	98
77) Bromobenzene	13.67	156	622747	51.270	ug/l	89
78) n-propylbenzene	13.77	91	2519434	49.653	ug/l	97
79) 2-Chlorotoluene	13.83	91	1409884	47.954	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1765675	48.012	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	118942	52.493	ug/l	95
82) 4-Chlorotoluene	13.94	91	1689662	48.833	ug/l	98
83) tert-Butylbenzene	14.19	119	2104020	50.107	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1820054	47.848	ug/l	99
85) sec-Butylbenzene	14.36	105	2233359	50.482	ug/l	98
86) p-Isopropyltoluene	14.48	119	1932938	45.777	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	1064281	49.478	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1054436	48.476	ug/l	95
89) n-Butylbenzene	14.80	91	1811538	49.672	ug/l	96
90) Hexachloroethane	15.00	117	592816	53.886	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	941082	50.214	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	84510	57.283	ug/l	66

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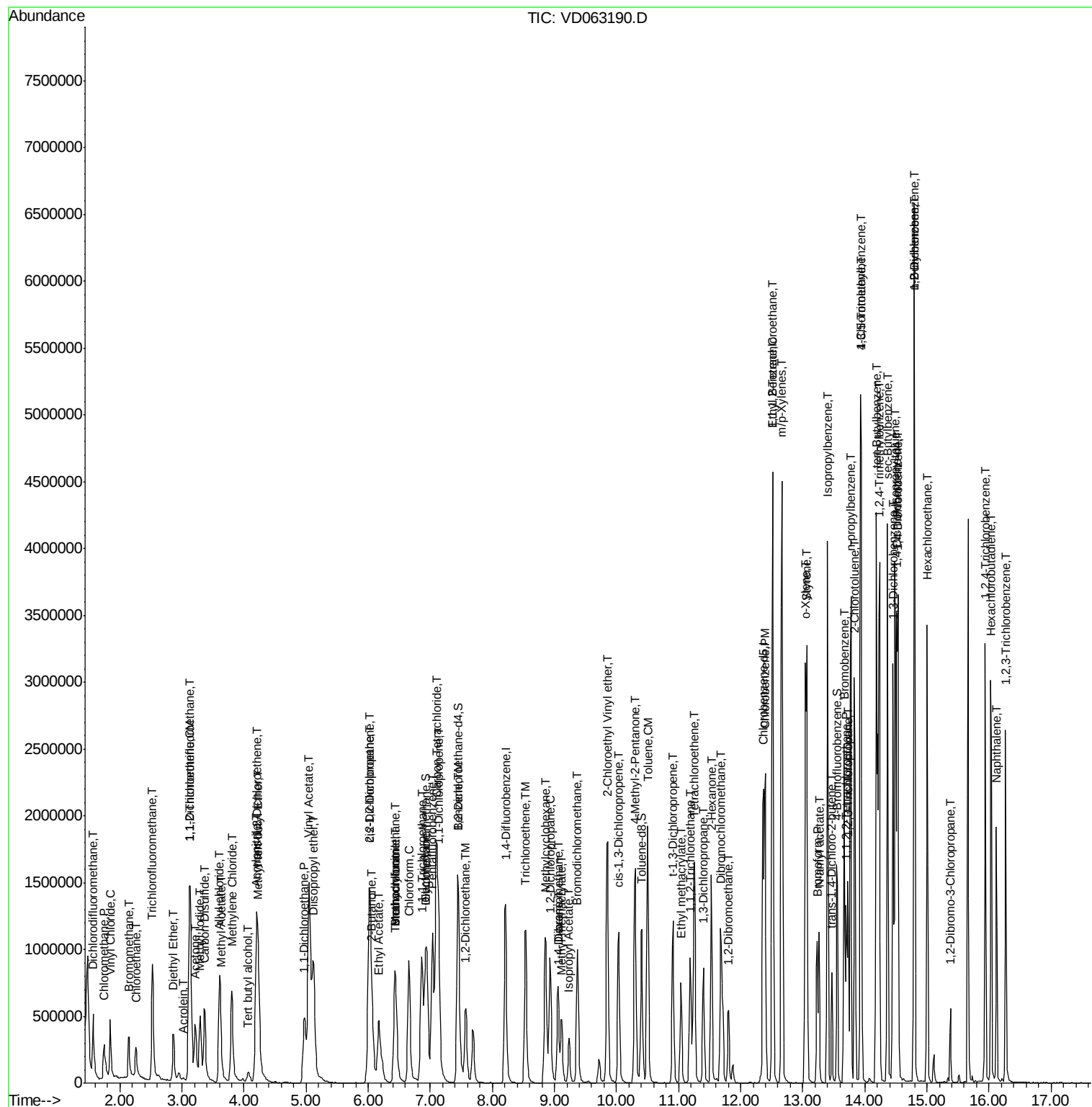
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	786764	52.917	ug/l	97
94) Hexachlorobutadiene	16.04	225	539656	50.087	ug/l	100
95) Naphthalene	16.12	128	1139092	54.206	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	629718	53.614	ug/l	98

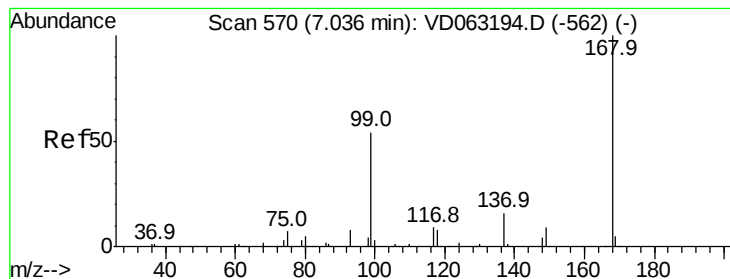
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

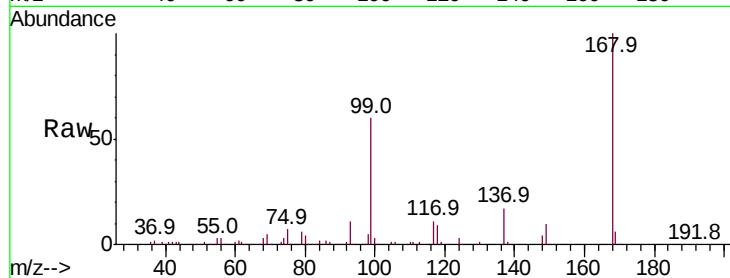
VSTDCCC050

Tot Ion:168 Resp: 1058873

Ion Ratio Lower Upper

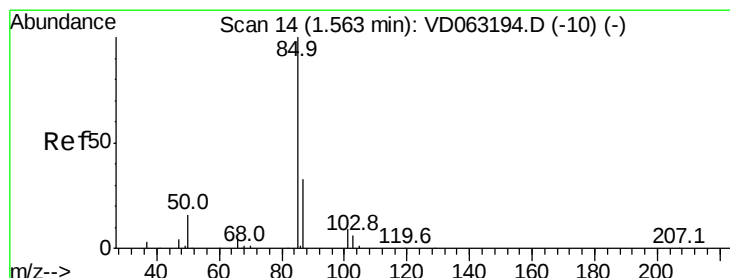
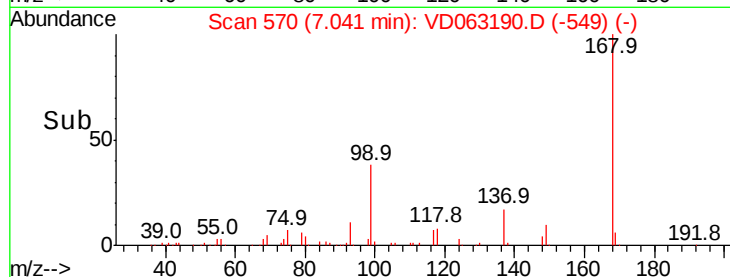
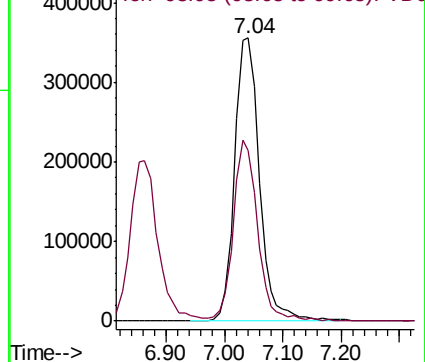
168 100

99 60.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 35.593 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063190.D

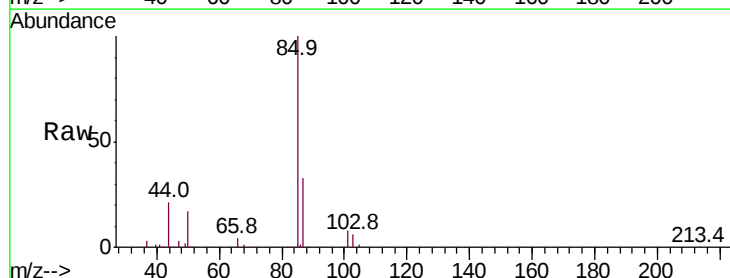
Acq: 29 Jul 2019 10:13

Tgt Ion: 85 Resp: 460687

Ion Ratio Lower Upper

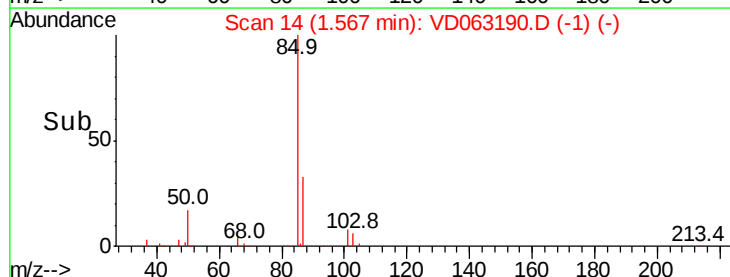
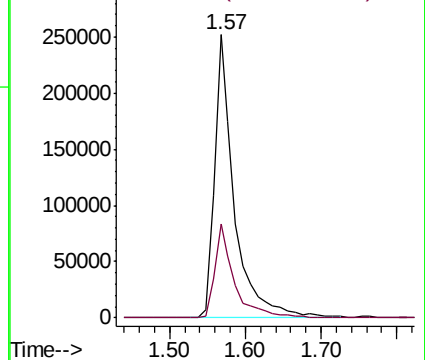
85 100

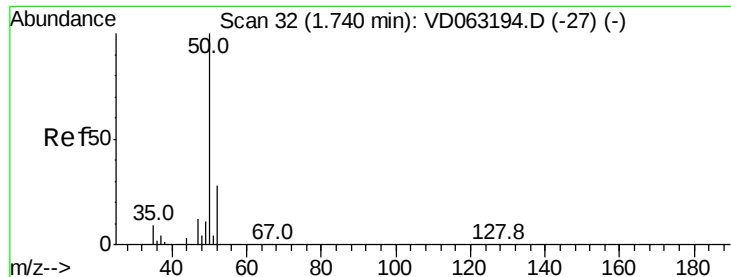
87 33.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 37.990 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

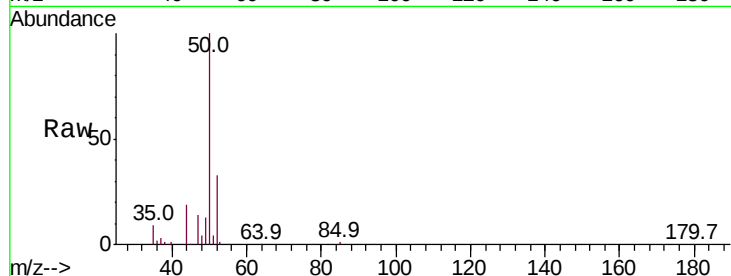
VSTDCCC050

Tot Ion: 50 Resp: 382032

Ion Ratio Lower Upper

50 100

52 33.0 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

150000

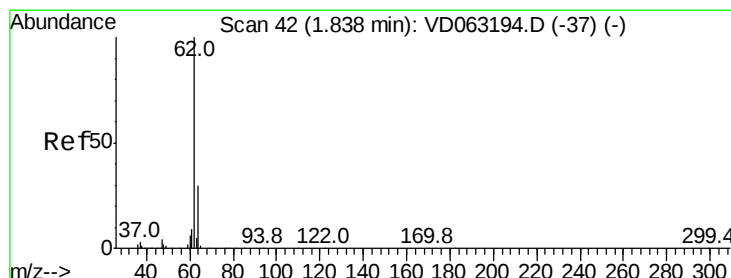
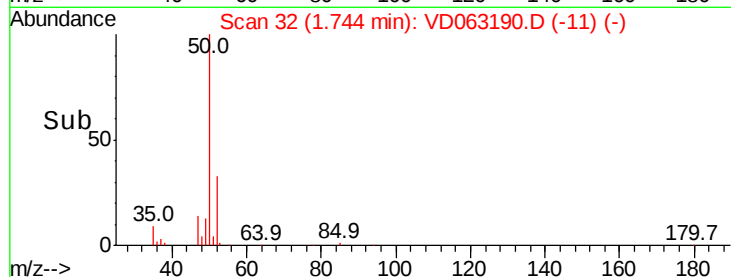
100000

50000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 42.297 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063190.D

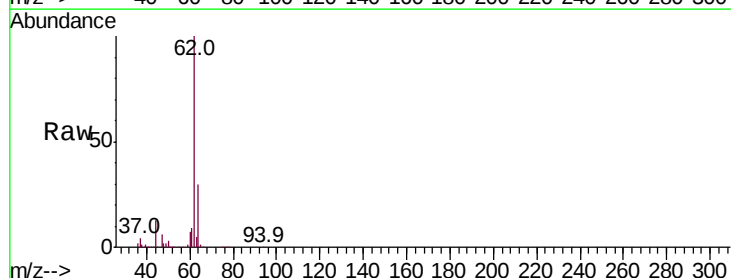
Acq: 29 Jul 2019 10:13

Tgt Ion: 62 Resp: 440326

Ion Ratio Lower Upper

62 100

64 29.5 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

250000

200000

150000

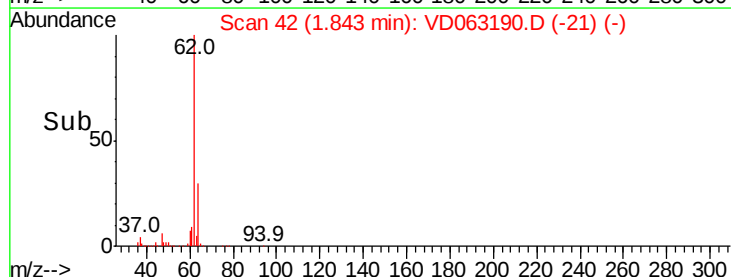
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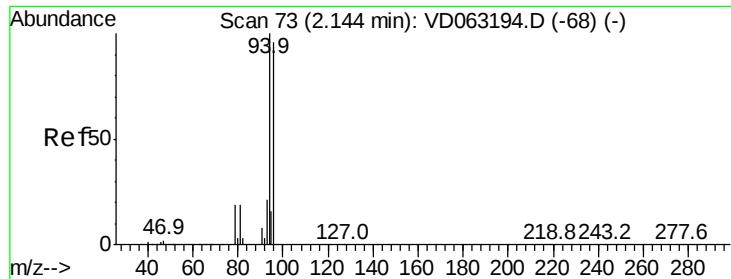
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 39.877 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

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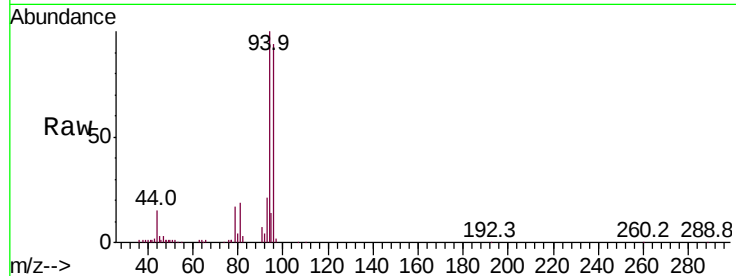
Tot Ion: 94 Resp: 209369

Ion Ratio Lower Upper

94 100

96 94.0 76.4 114.6

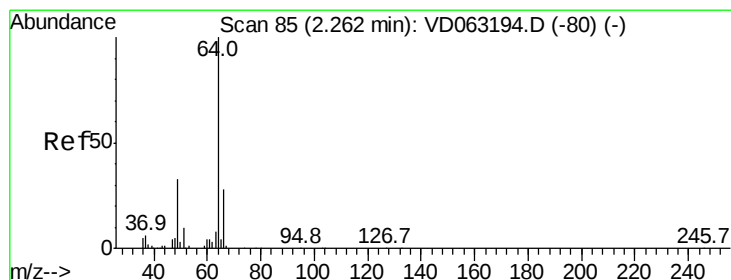
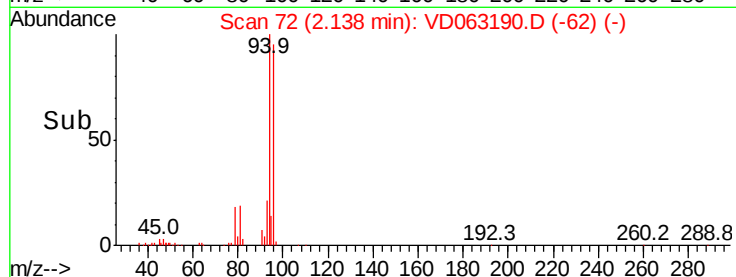
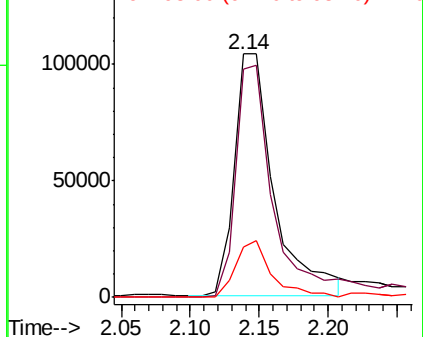
93 20.7 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 44.911 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063190.D

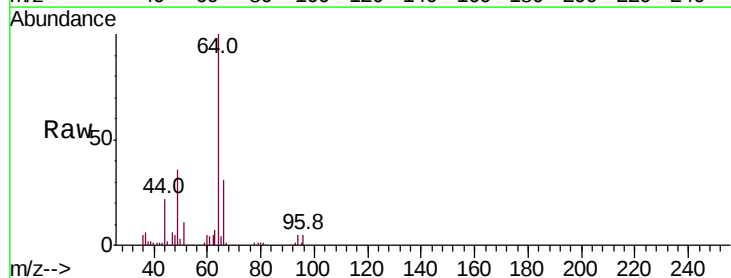
Acq: 29 Jul 2019 10:13

Tgt Ion: 64 Resp: 215863

Ion Ratio Lower Upper

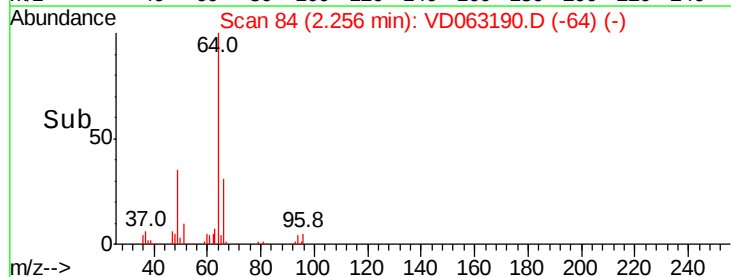
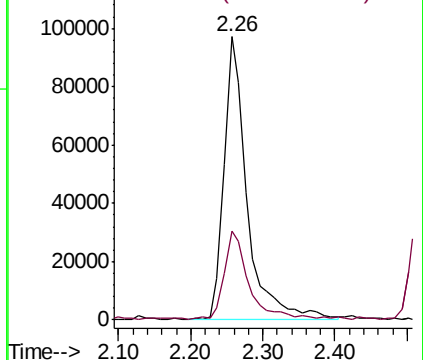
64 100

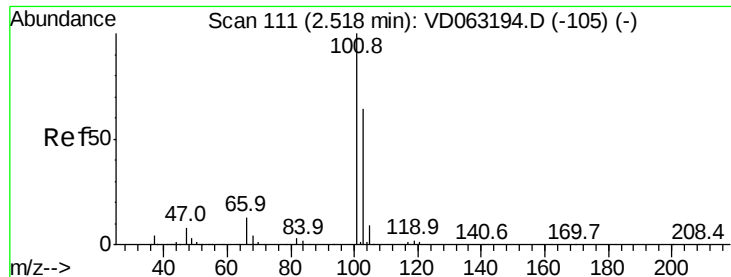
66 31.3 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



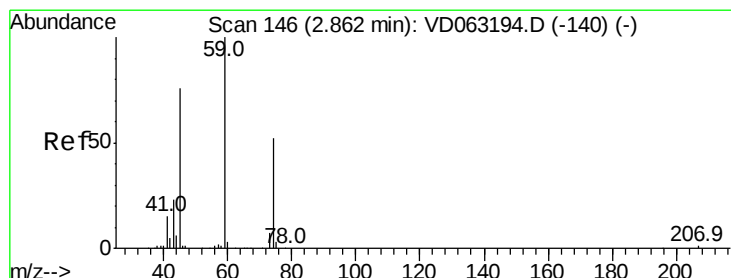
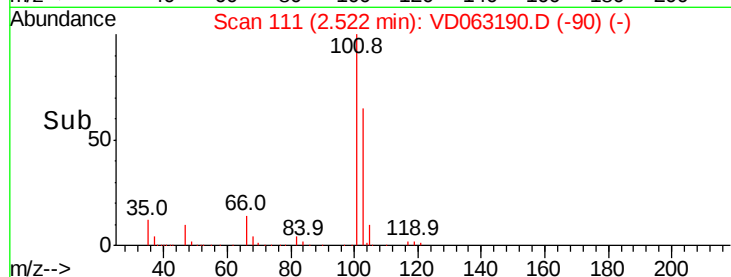
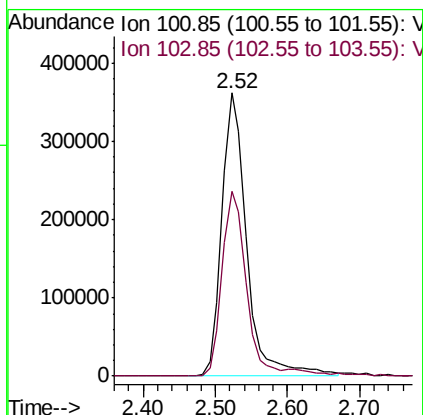
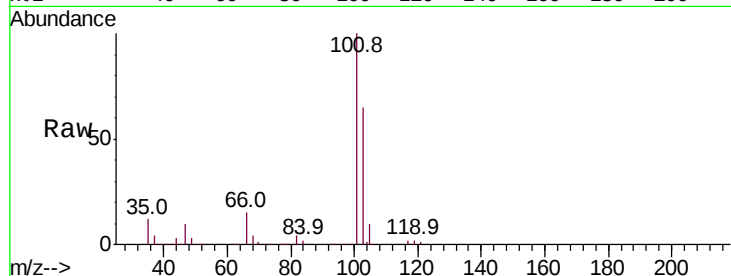


#7

Trichlorofluoromethane
Concen: 42.865 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063190.D
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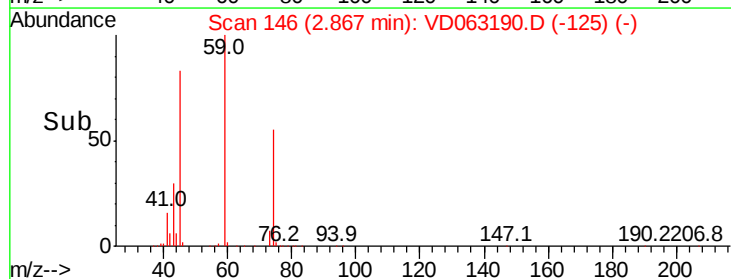
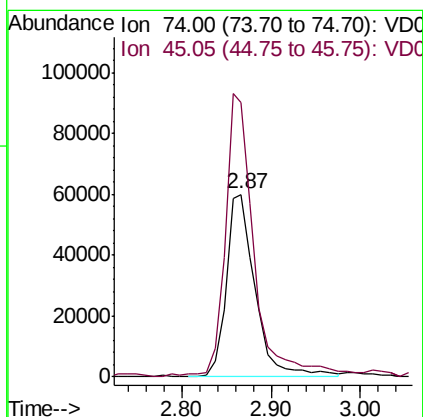
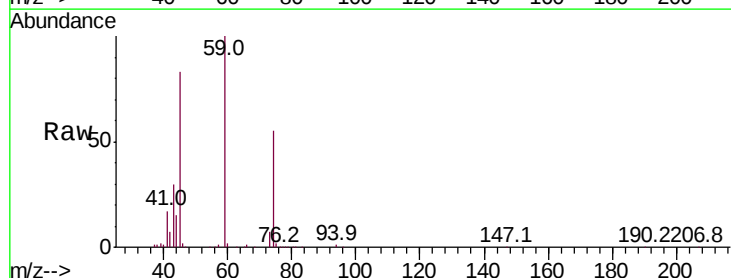
Tot Ion:101 Resp: 865712
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3

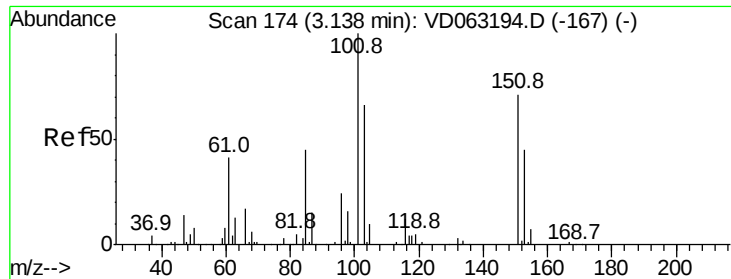


#8

Diethyl Ether
Concen: 48.738 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion: 74 Resp: 137760
Ion Ratio Lower Upper
74 100
45 150.8 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.674 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063190.D

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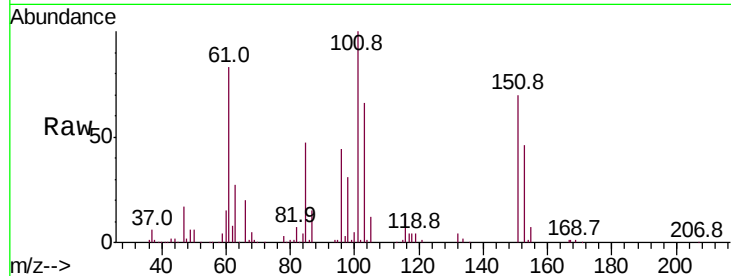
Tot Ion:101 Resp: 566914

Ion Ratio Lower Upper

101 100

85 46.8 36.1 54.1

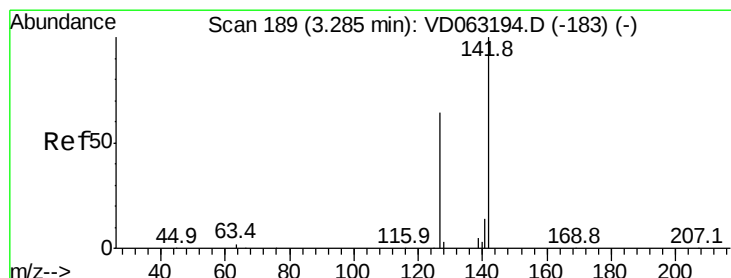
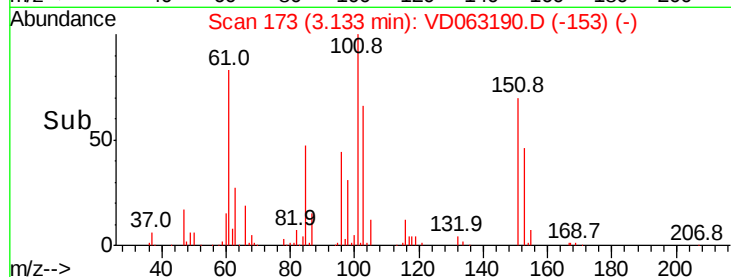
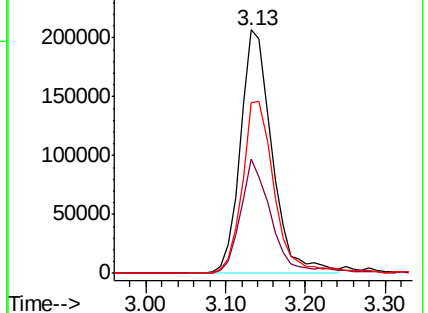
151 70.1 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.233 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

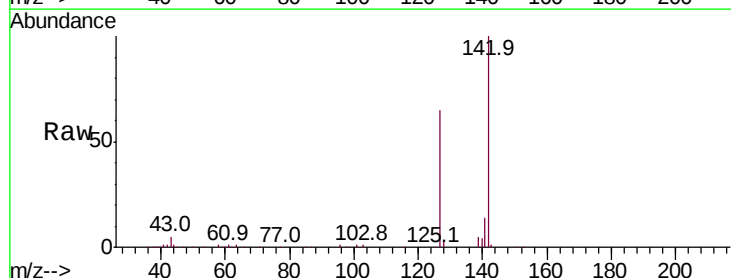
Tgt Ion:142 Resp: 714874

Ion Ratio Lower Upper

142 100

127 64.6 50.8 76.2

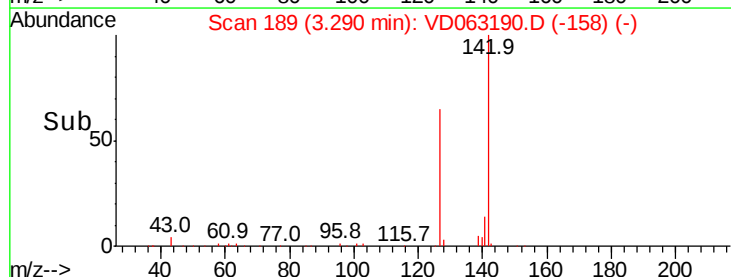
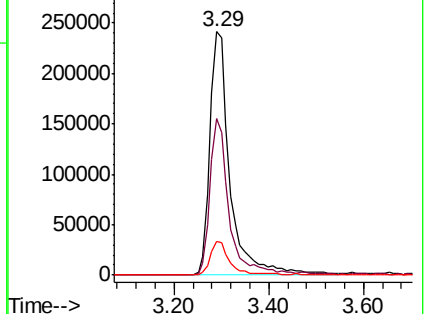
141 14.0 11.4 17.2

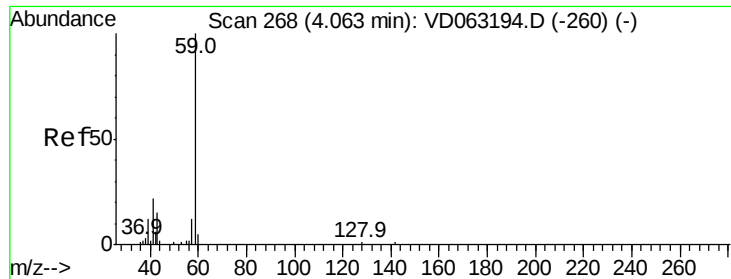


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



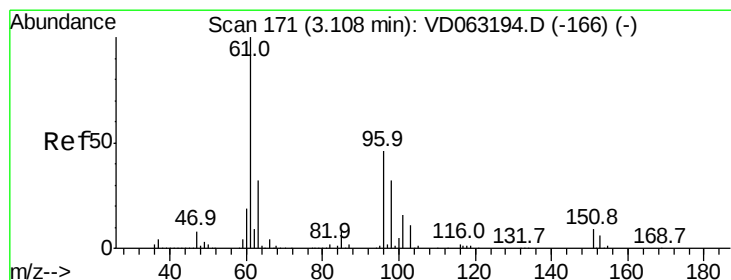
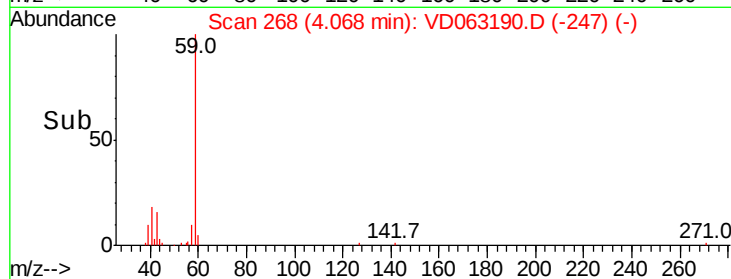
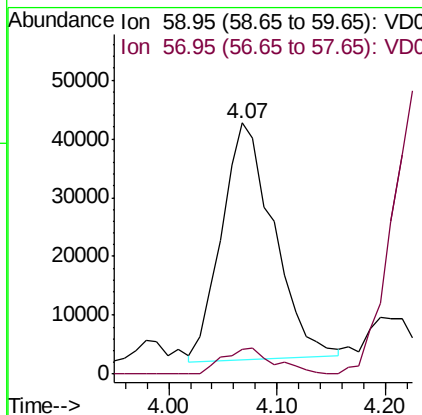
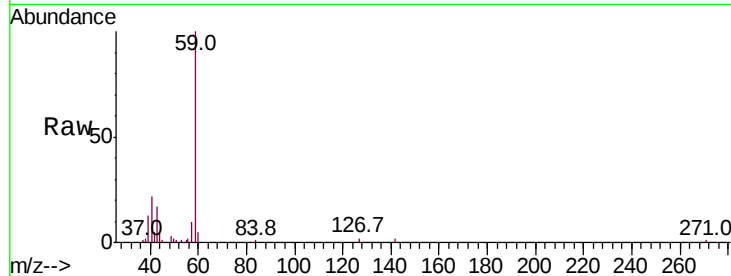


#11

Tert butyl alcohol
 Concen: 261.437 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

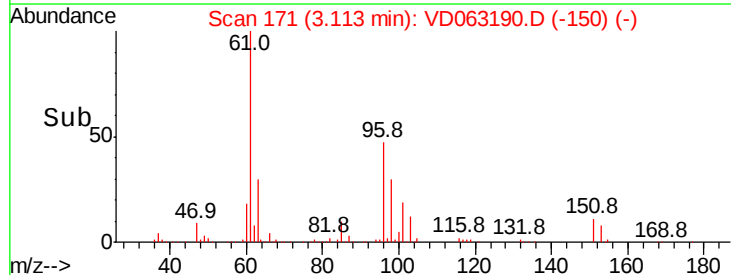
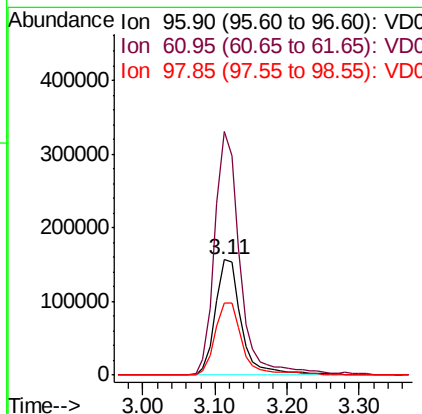
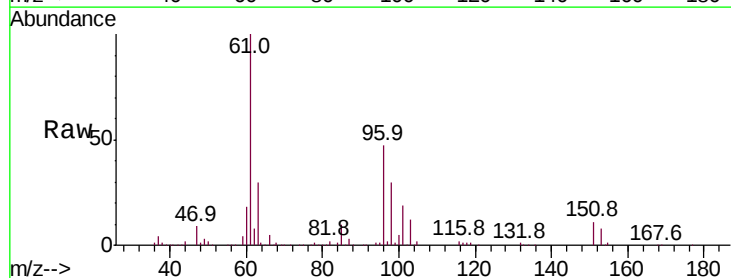
Tot Ion: 59 Resp: 134800
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.6 14.4

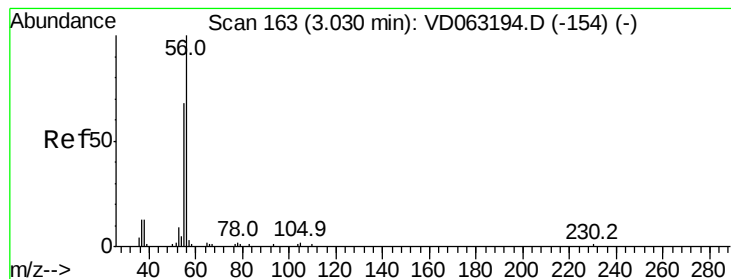


#12

1,1-Dichloroethene
 Concen: 47.826 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Tgt Ion: 96 Resp: 392794
 Ion Ratio Lower Upper
 96 100
 61 211.6 173.7 260.5
 98 63.0 55.8 83.8





#13

Acrolein

Concen: 27.749 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

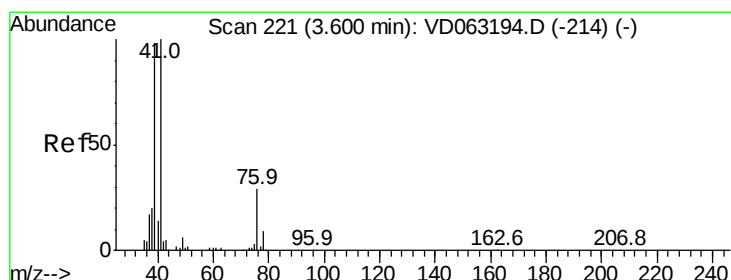
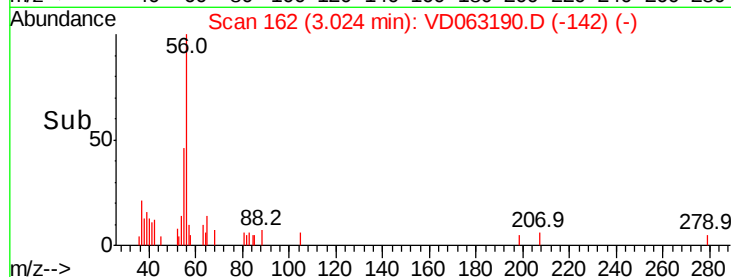
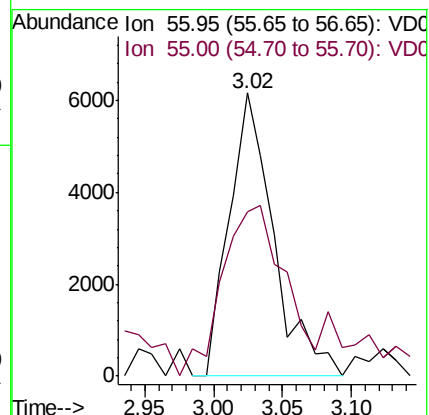
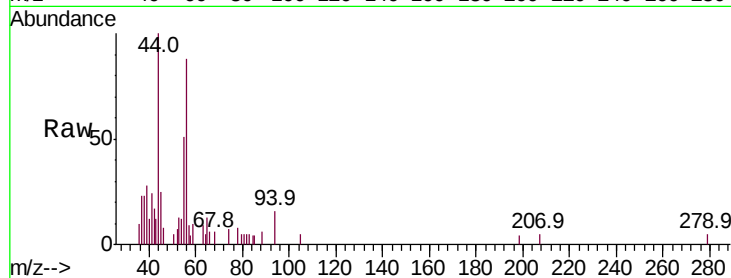
VSTDCCC050

Tot Ion: 56 Resp: 13770

Ion Ratio Lower Upper

56 100

55 58.3 55.3 82.9



#14

Allyl chloride

Concen: 45.414 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

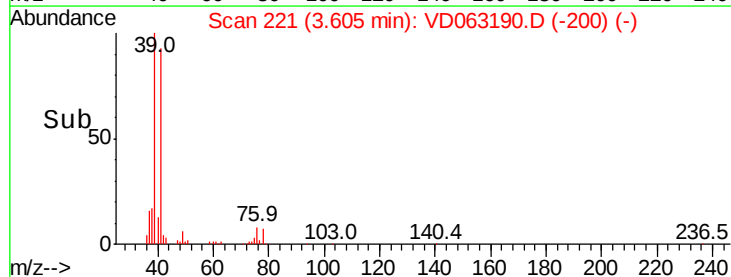
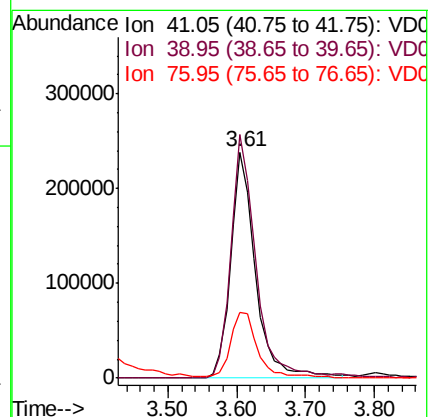
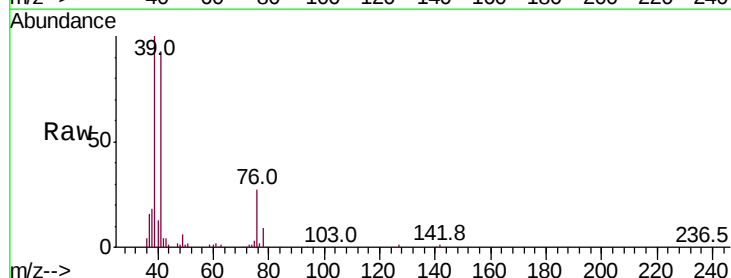
Tgt Ion: 41 Resp: 594180

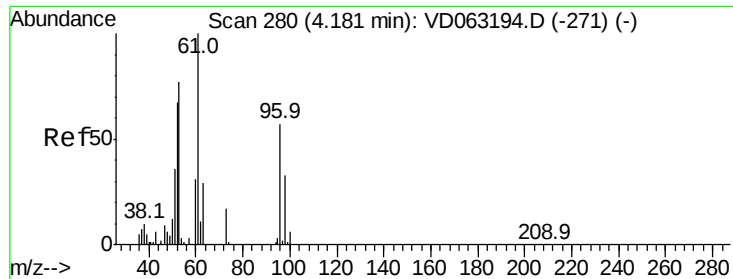
Ion Ratio Lower Upper

41 100

39 107.8 78.6 117.8

76 29.0 24.5 36.7





#15

Acrylonitrile

Concen: 282.306 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

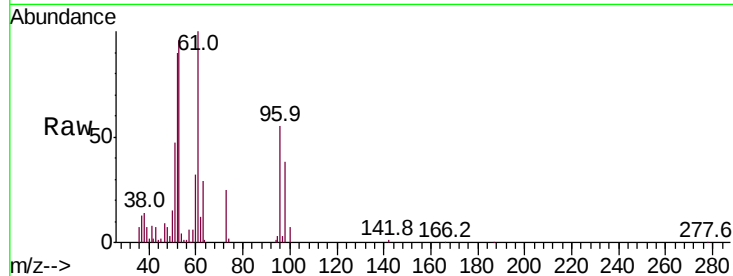
Tot Ion: 53 Resp: 377377

Ion Ratio Lower Upper

53 100

52 93.9 69.7 104.5

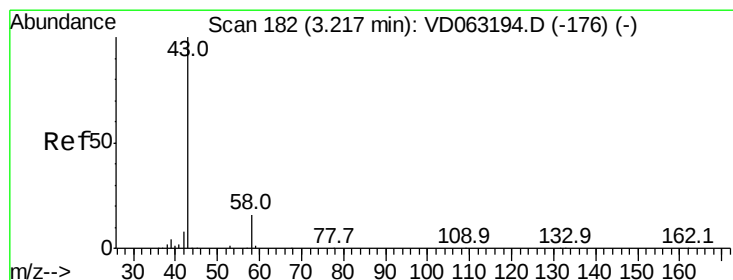
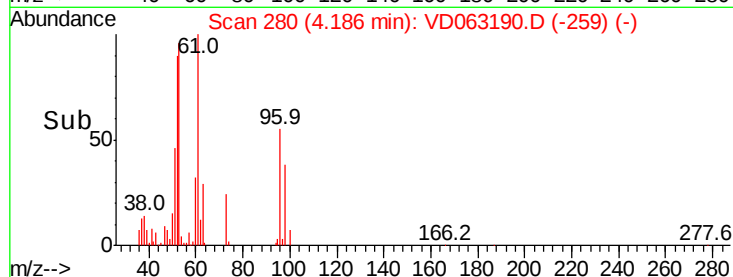
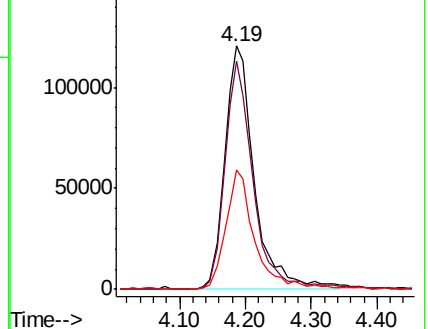
51 49.3 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 334.591 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063190.D

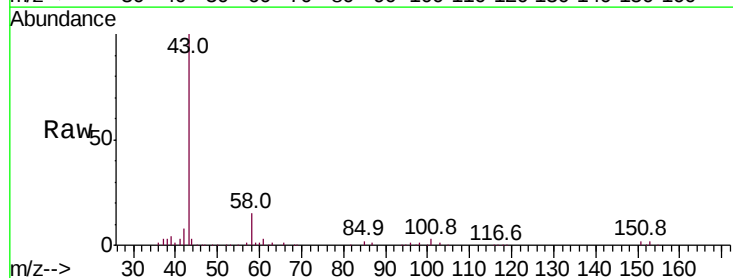
Acq: 29 Jul 2019 10:13

Tgt Ion: 43 Resp: 765948

Ion Ratio Lower Upper

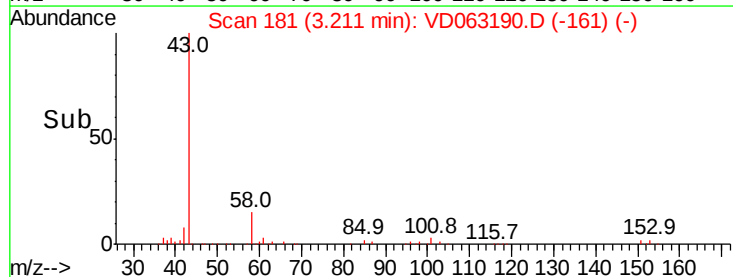
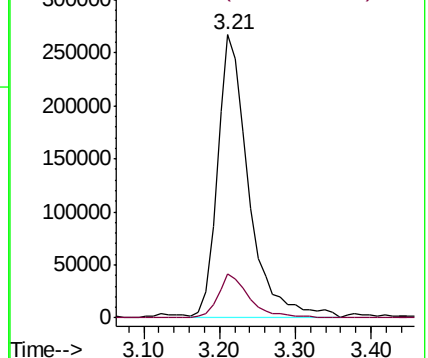
43 100

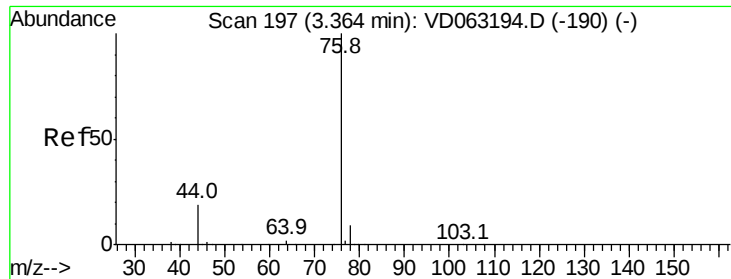
58 15.4 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

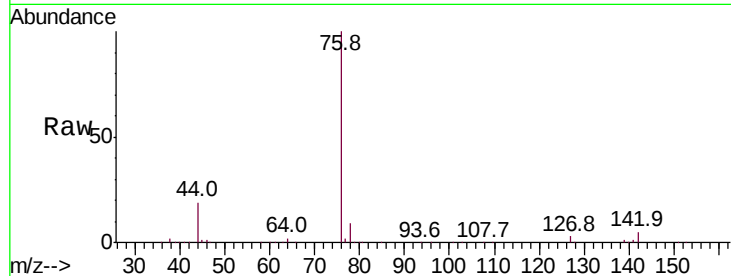




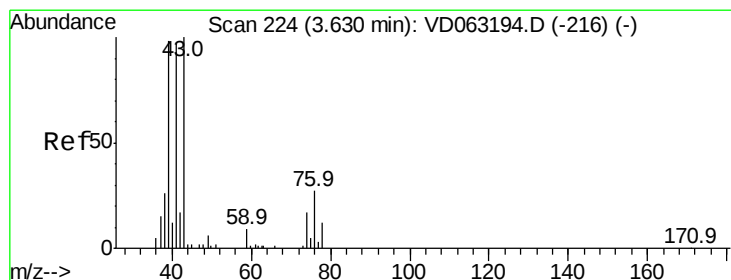
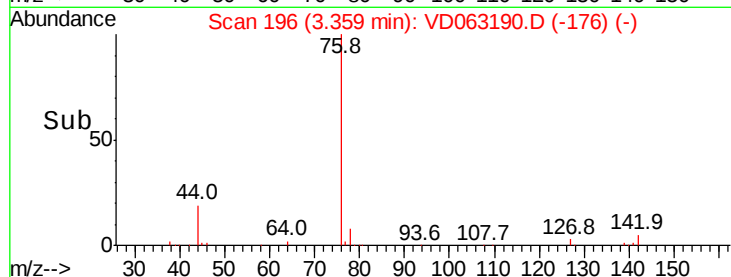
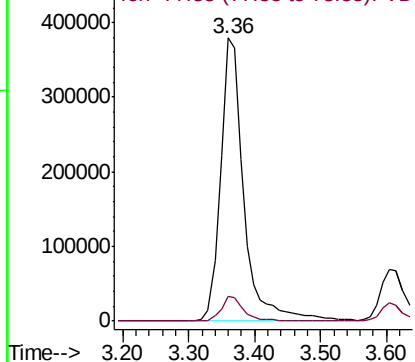
#17
Carbon Disulfide
Concen: 33.958 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 933504
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2

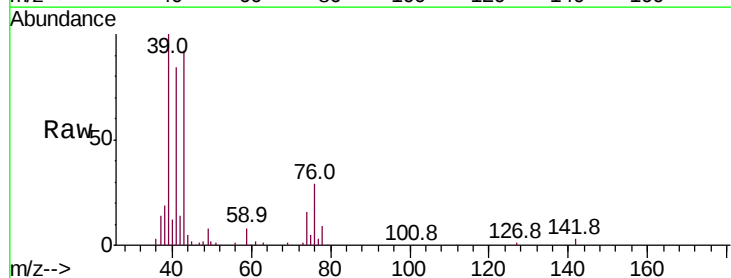


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

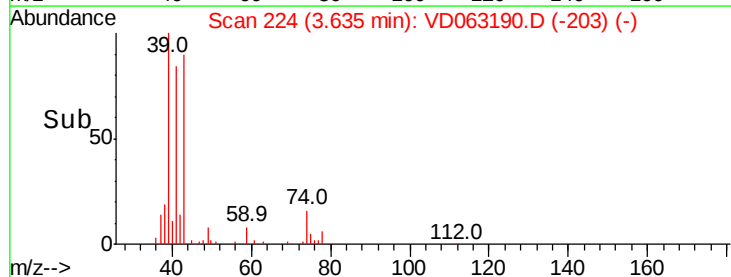
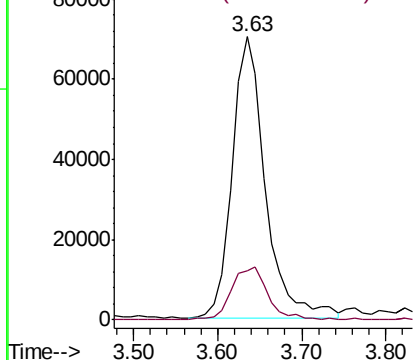


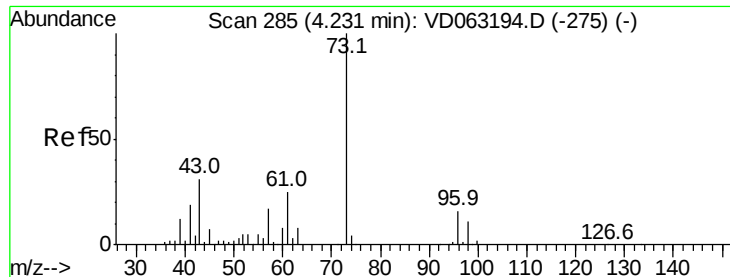
#18
Methyl Acetate
Concen: 43.551 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion: 43 Resp: 191501
Ion Ratio Lower Upper
43 100
74 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



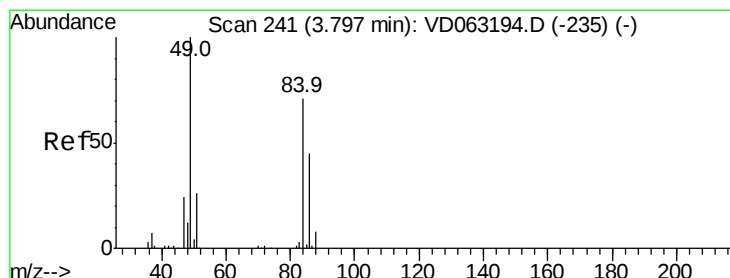
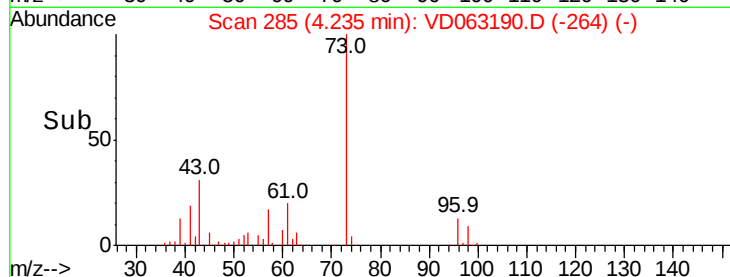
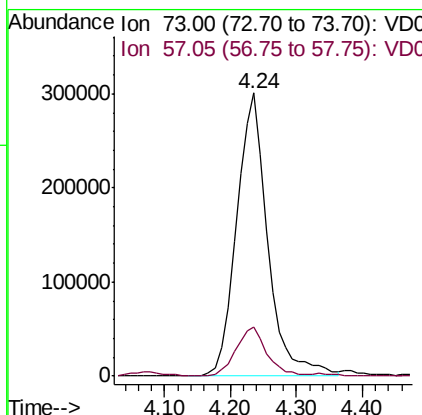
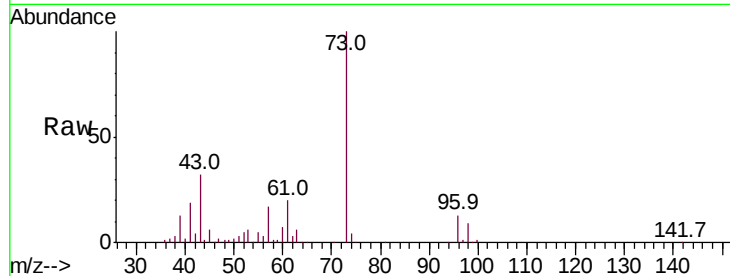


#19

Methyl tert-butyl Ether
 Concen: 53.848 ug/l
 RT: 4.24 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

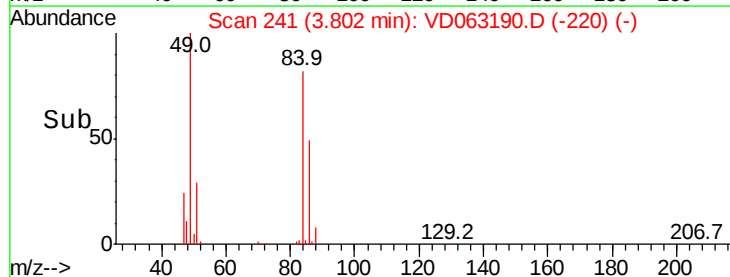
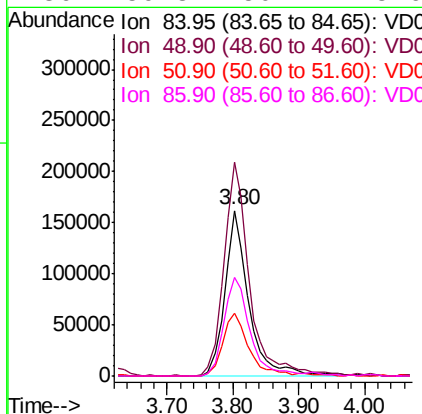
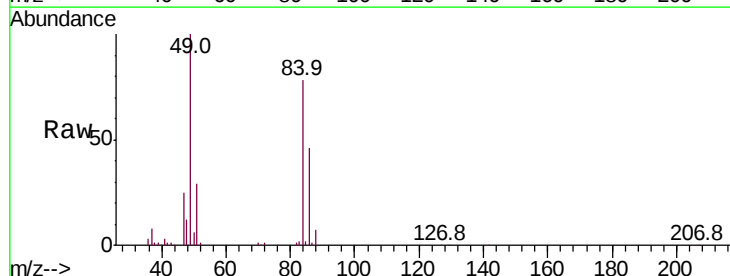
Tot Ion: 73 Resp: 998997
 Ion Ratio Lower Upper
 73 100
 57 17.3 13.8 20.6

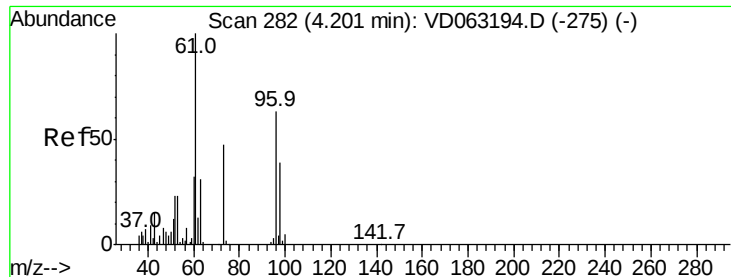


#20

Methylene Chloride
 Concen: 44.371 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Tgt Ion: 84 Resp: 410574
 Ion Ratio Lower Upper
 84 100
 49 128.8 112.5 168.7
 51 37.9 29.6 44.4
 86 59.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 42.789 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

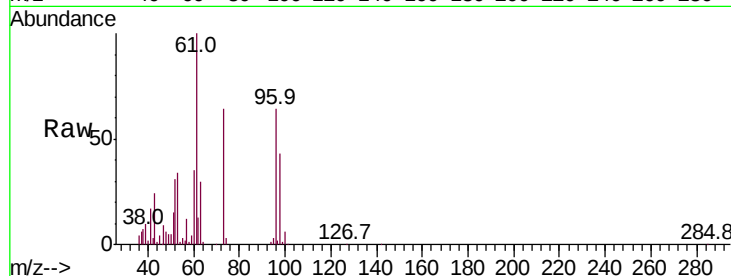
Tot Ion: 96 Resp: 394311

Ion Ratio Lower Upper

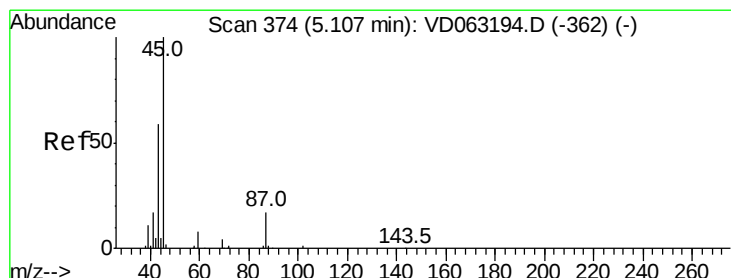
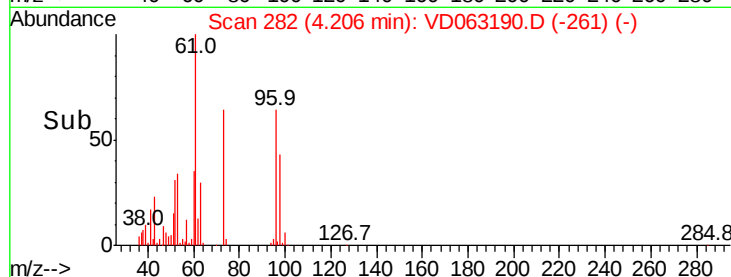
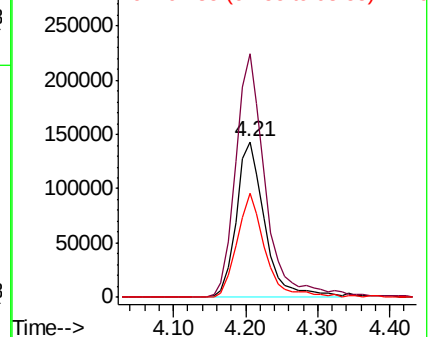
96 100

61 156.5 127.4 191.2

98 67.3 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 54.239 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Tgt Ion: 45 Resp: 1417781

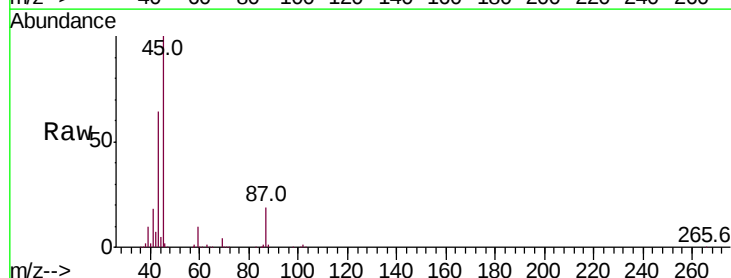
Ion Ratio Lower Upper

45 100

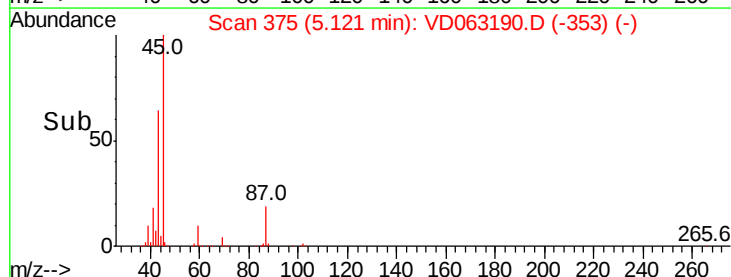
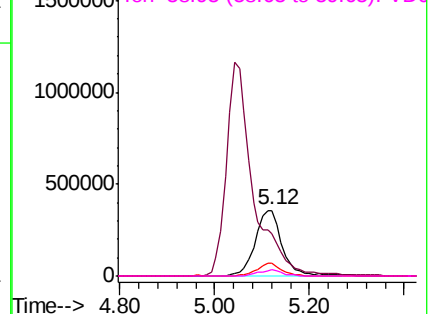
43 64.1 51.7 77.5

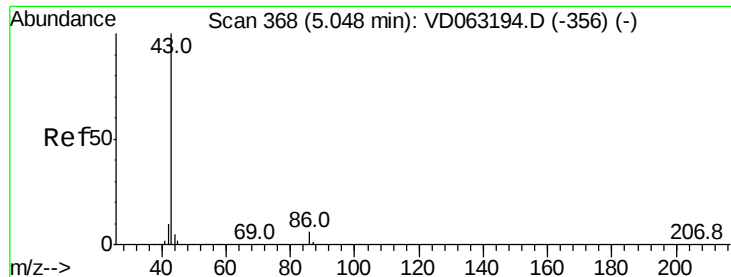
87 19.3 14.6 21.8

59 9.6 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 280.743 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

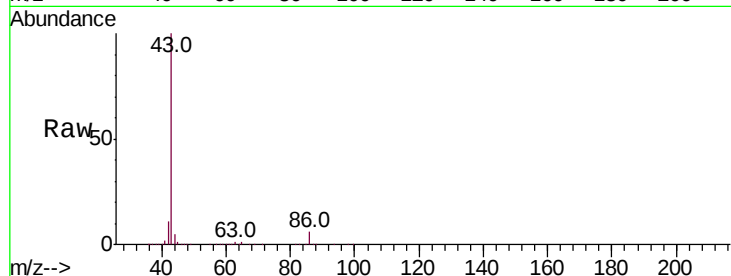
VSTDCCC050

Tot Ion: 43 Resp: 4511020

Ion Ratio Lower Upper

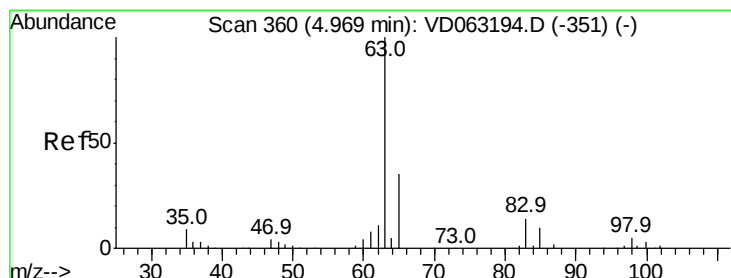
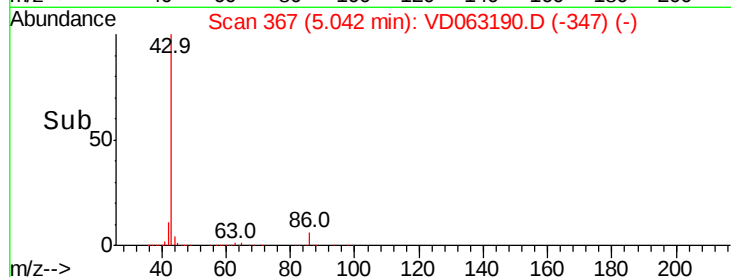
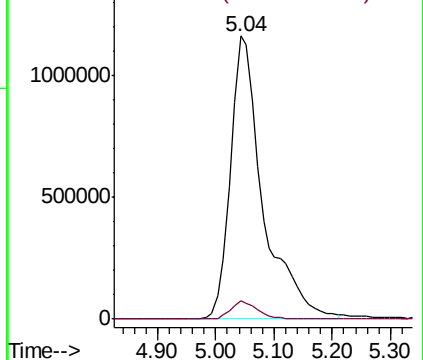
43 100

86 6.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.536 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

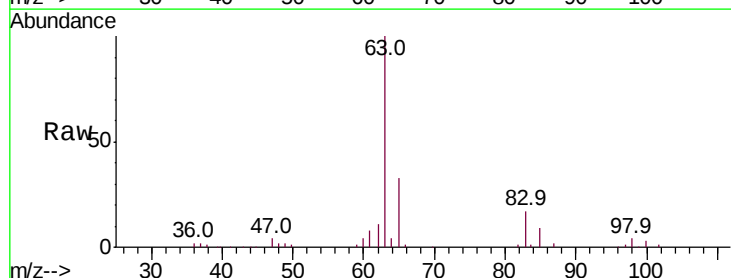
Tgt Ion: 63 Resp: 827099

Ion Ratio Lower Upper

63 100

98 3.9 2.8 8.4

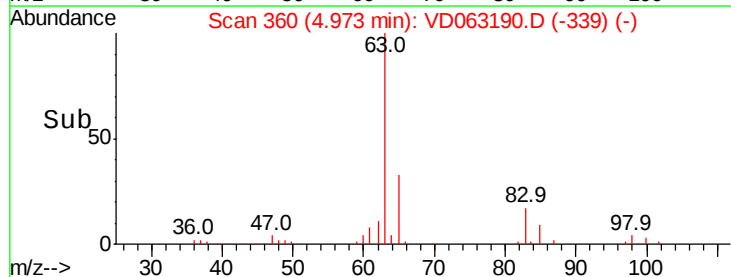
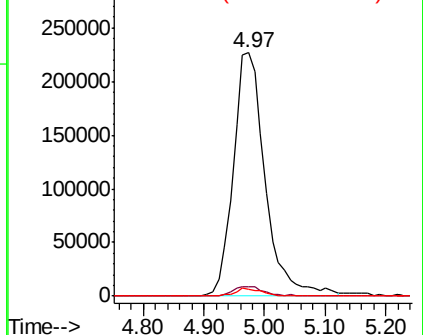
100 2.7 1.3 3.9

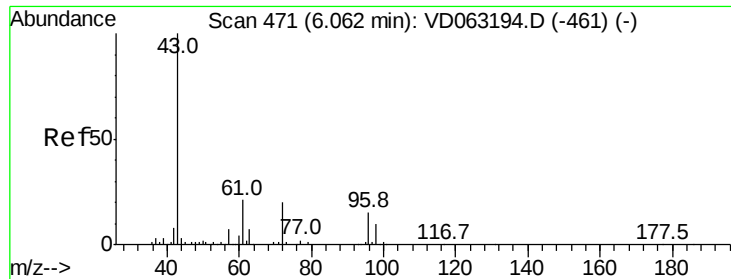


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 302.013 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

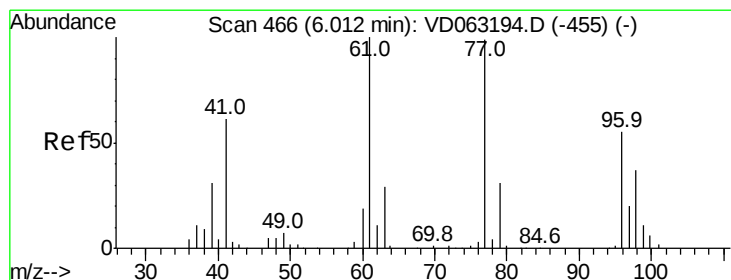
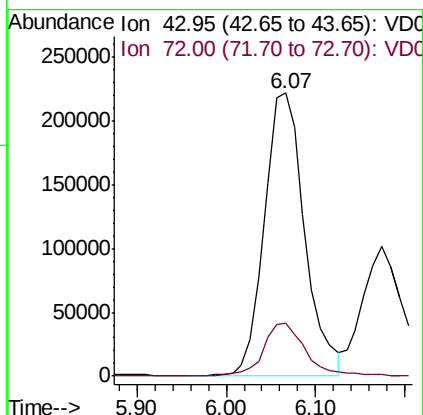
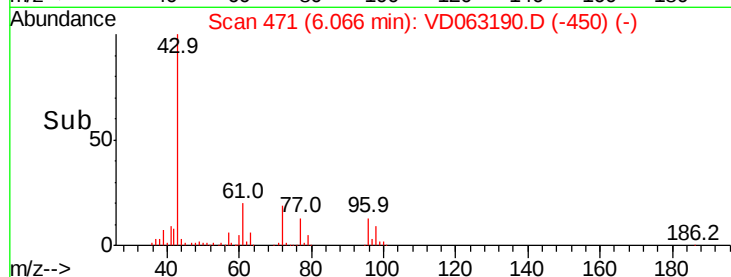
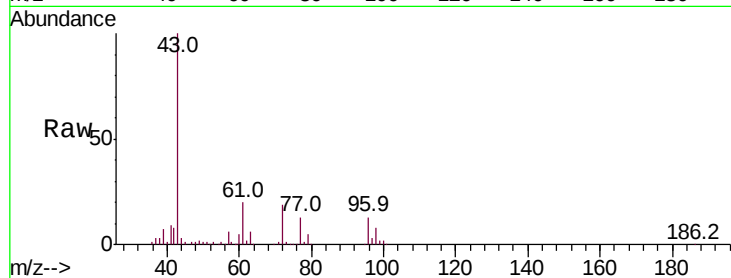
VSTDCCC050

Tot Ion: 43 Resp: 693848

Ion Ratio Lower Upper

43 100

72 18.8 16.3 24.5



#26

2,2-Dichloropropane

Concen: 53.935 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063190.D

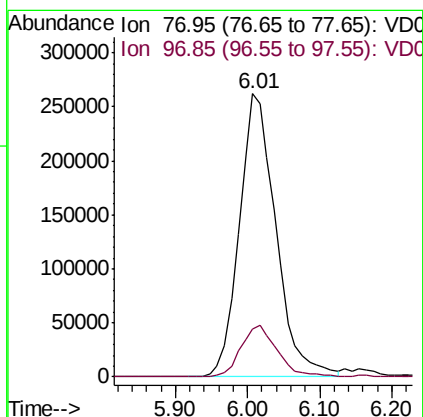
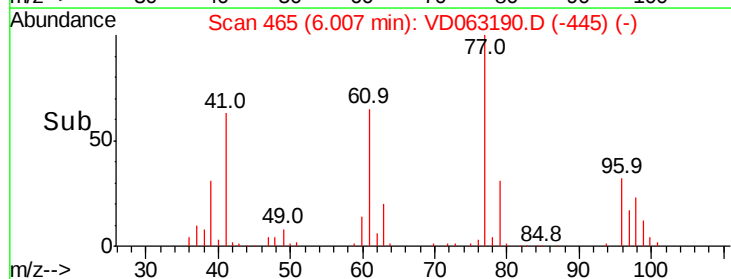
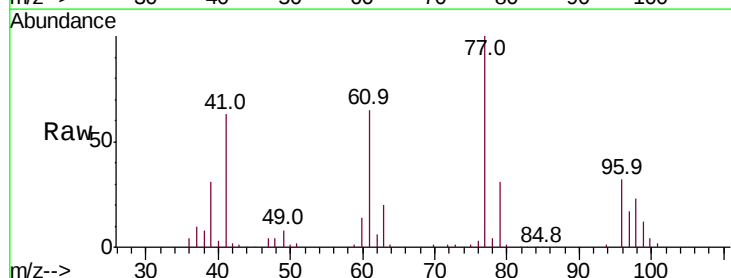
Acq: 29 Jul 2019 10:13

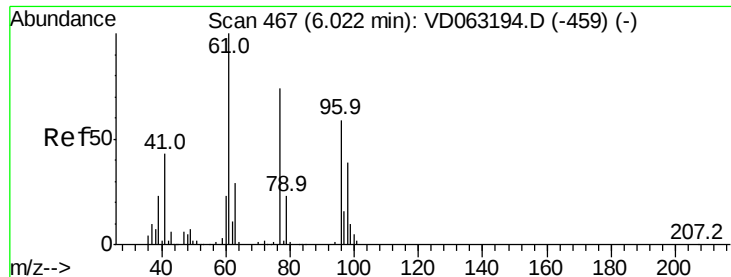
Tgt Ion: 77 Resp: 928040

Ion Ratio Lower Upper

77 100

97 17.1 10.2 30.6



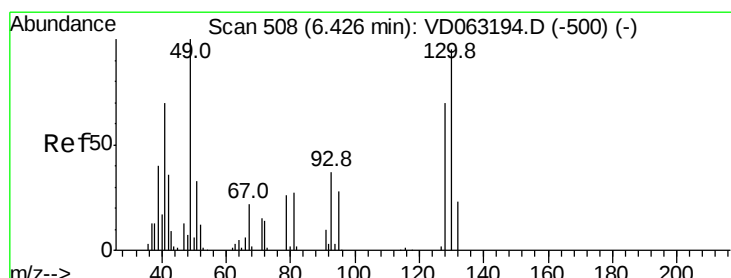
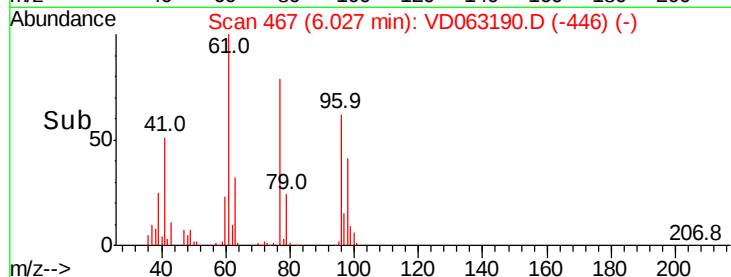
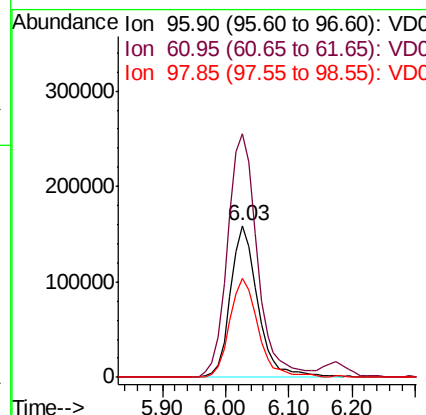
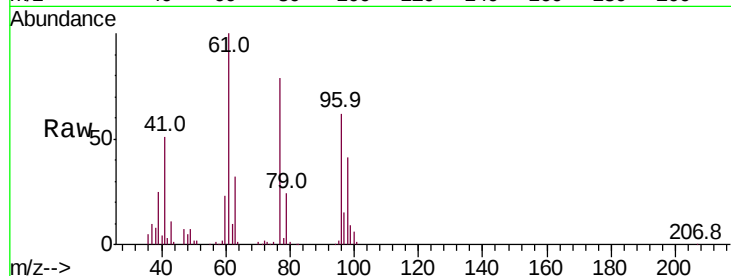


#27

cis-1,2-Dichloroethene
 Concen: 48.351 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

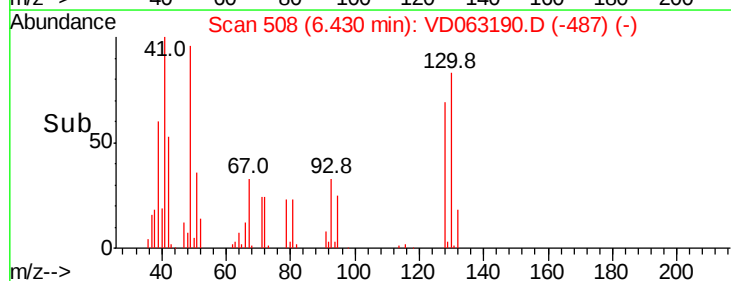
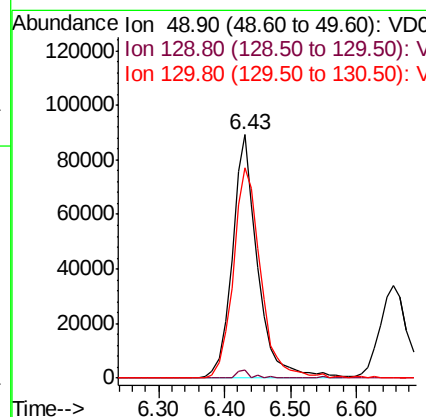
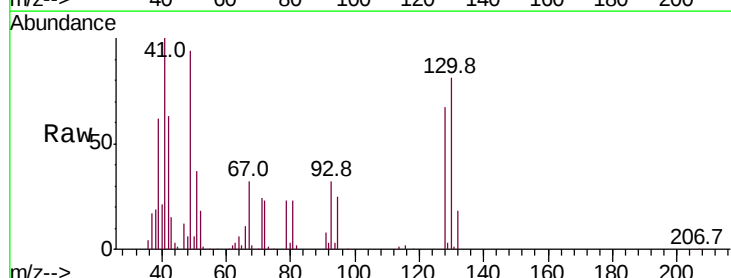
Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	337.2
98	65.1	0.0	130.6

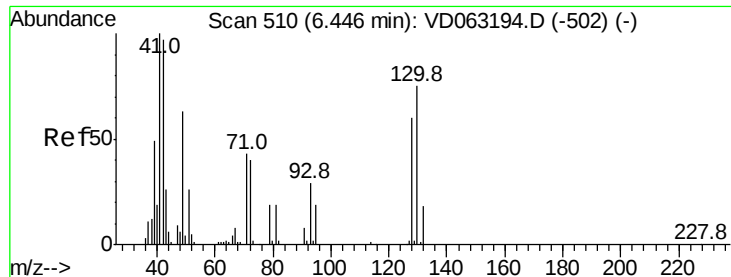


#28

Bromochloromethane
 Concen: 36.039 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	0.0#
130	86.4	75.7	113.5





#29

Tetrahydrofuran

Concen: 290.195 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

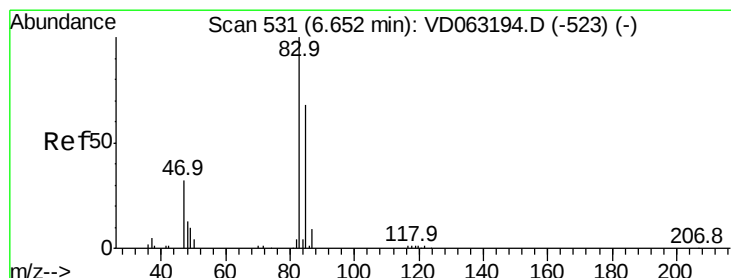
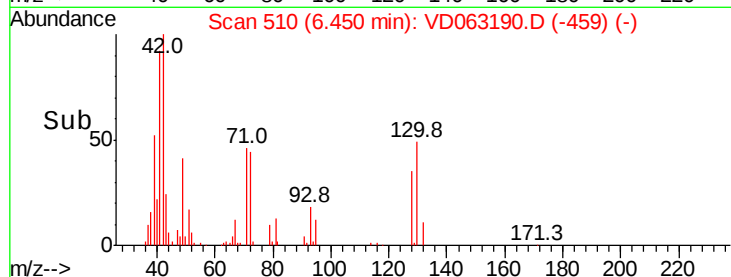
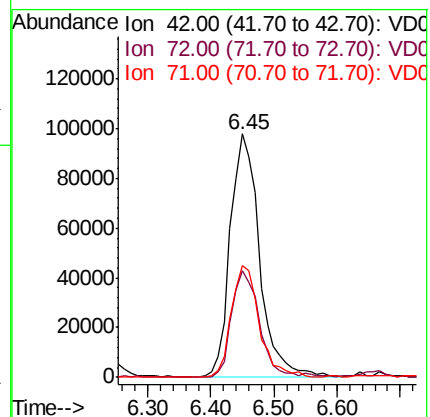
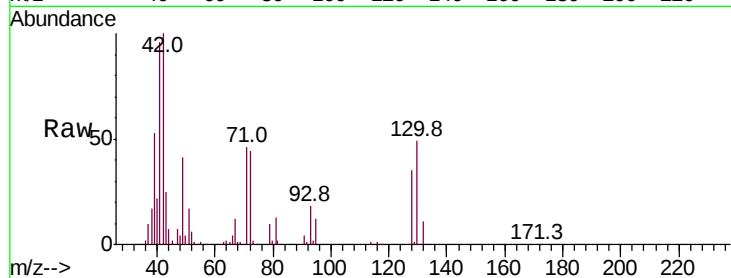
Tot Ion: 42 Resp: 315647

Ion Ratio Lower Upper

42 100

72 41.1 33.4 50.2

71 43.6 35.7 53.5



#30

Chloroform

Concen: 50.124 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063190.D

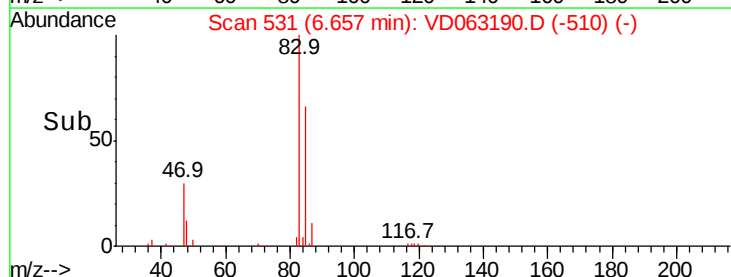
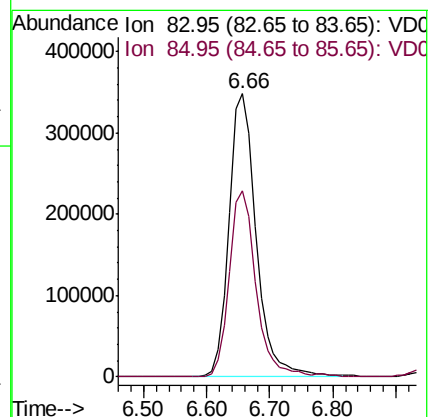
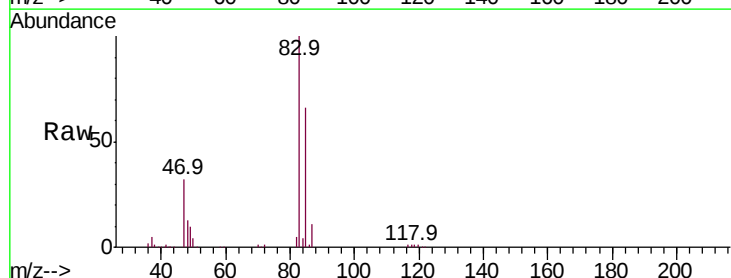
Acq: 29 Jul 2019 10:13

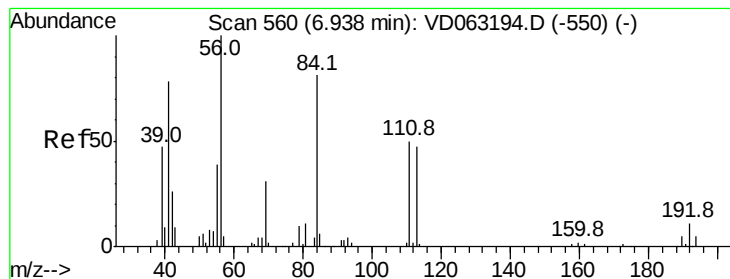
Tgt Ion: 83 Resp: 1038622

Ion Ratio Lower Upper

83 100

85 65.9 54.2 81.4





#31

Cyclohexane

Concen: 45.768 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

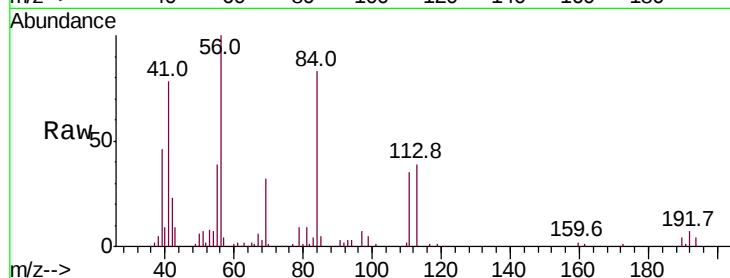
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 478997

Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.5	36.7
84	83.3	64.9	97.3

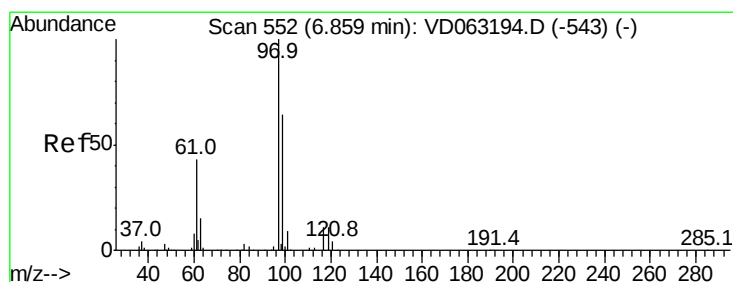
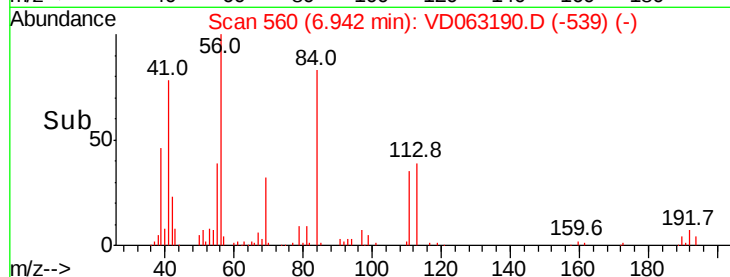
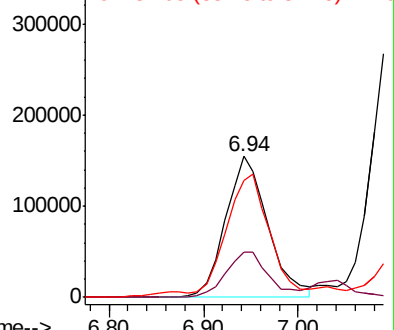


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 51.003 ug/l

RT: 6.86 min Scan# 552

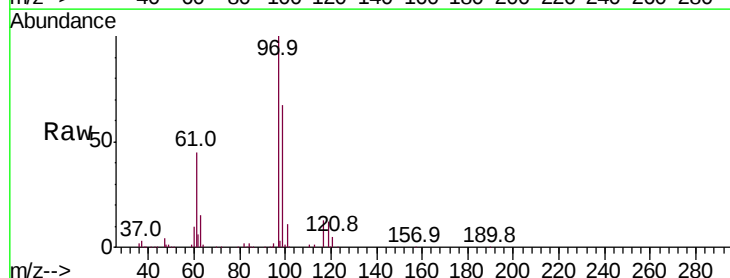
Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Tgt Ion: 97 Resp: 1022238

Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.2	76.8
61	44.9	34.2	51.2

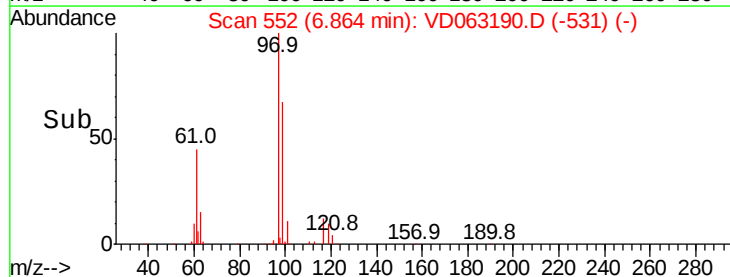
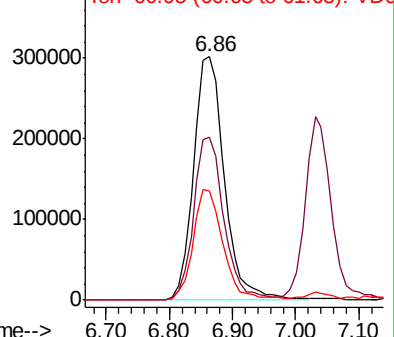


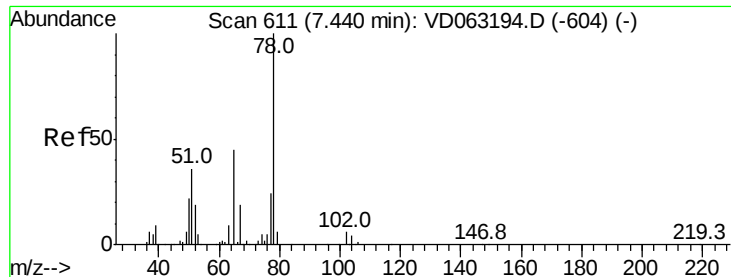
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 37.106 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

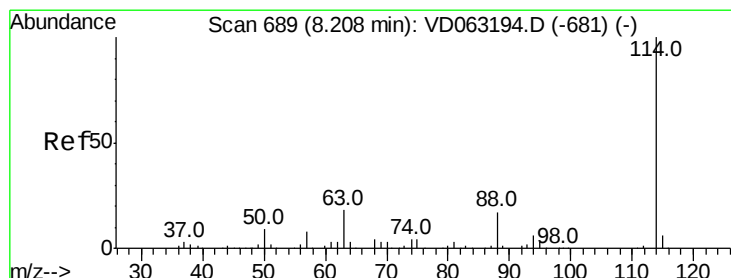
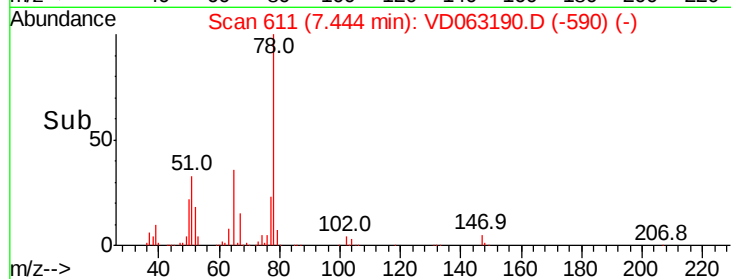
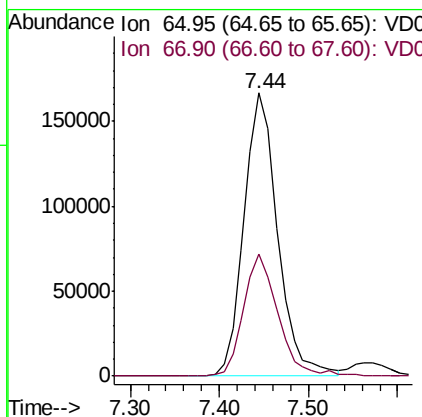
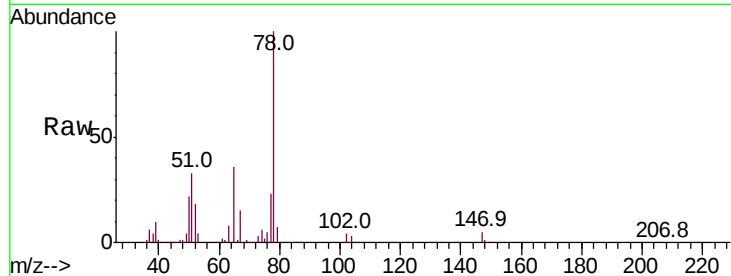
Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 65 Resp: 435967

Ion	Ratio	Lower	Upper
65	100		
67	42.9	0.0	85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

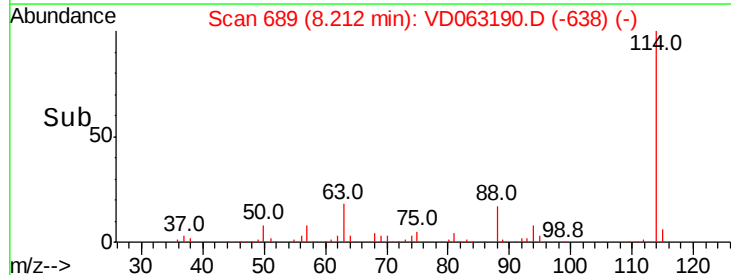
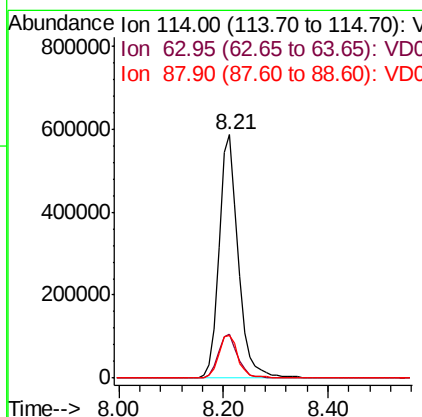
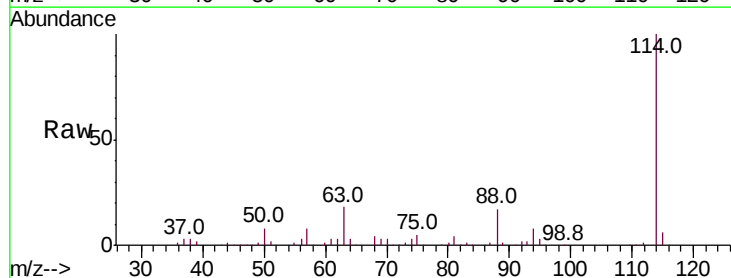
Delta R.T. 0.00 min

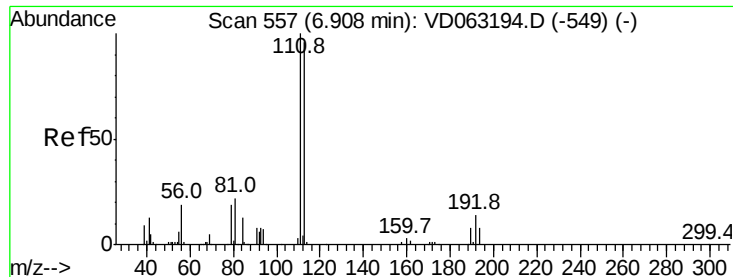
Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Tgt Ion: 114 Resp: 1491922

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.2
88	17.4	0.0	34.6





#35

Dibromofluoromethane

Concen: 38.610 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

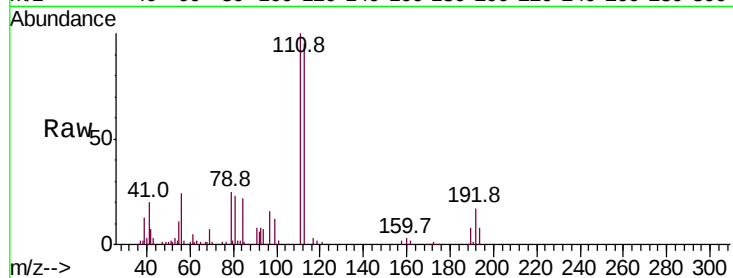
Tot Ion:113 Resp: 491808

Ion Ratio Lower Upper

113 100

111 105.6 83.2 124.8

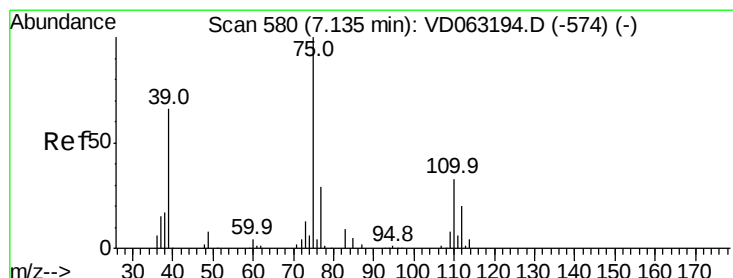
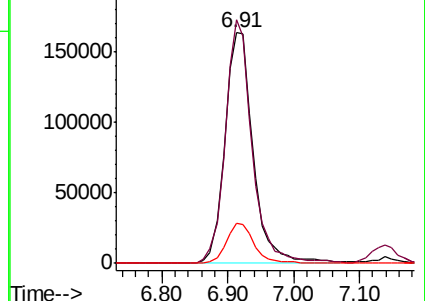
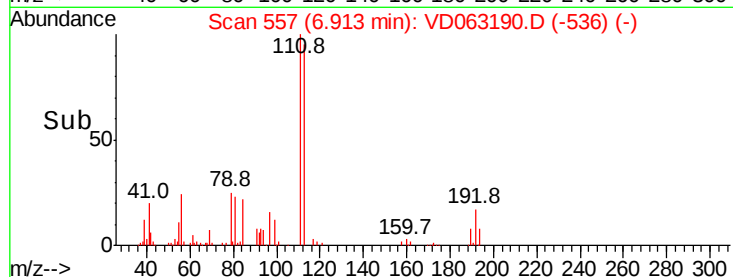
192 17.4 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 45.265 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

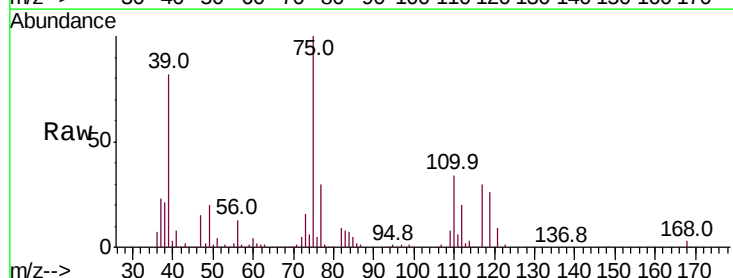
Tgt Ion: 75 Resp: 616314

Ion Ratio Lower Upper

75 100

110 33.8 16.1 48.2

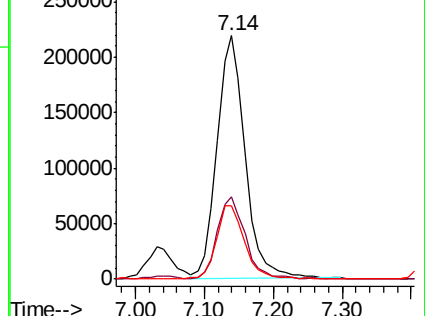
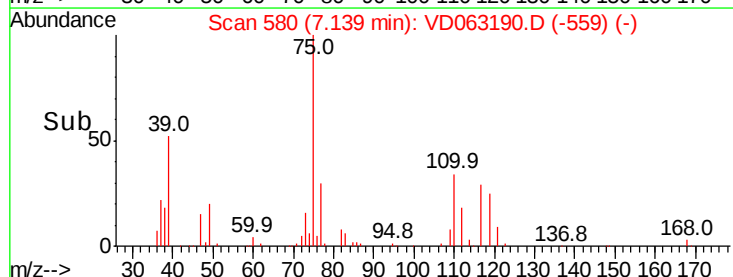
77 30.1 22.7 34.1

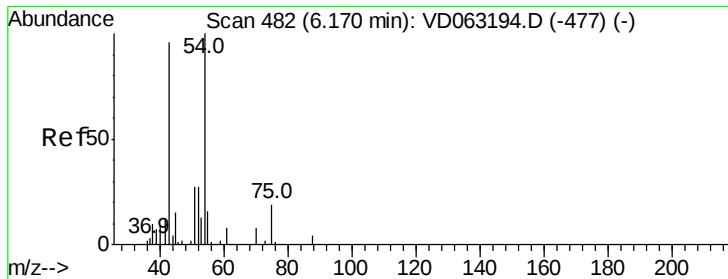


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

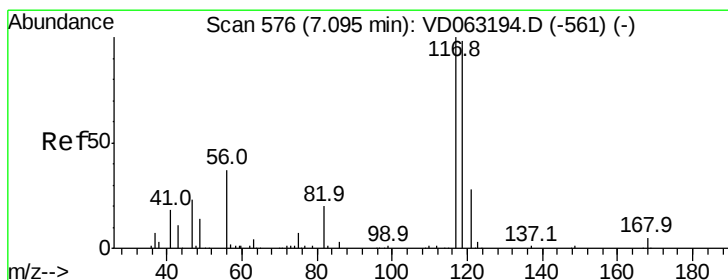
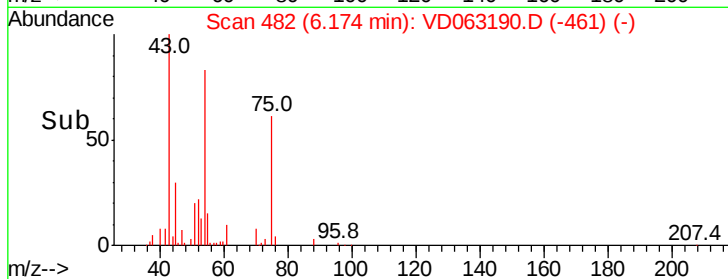
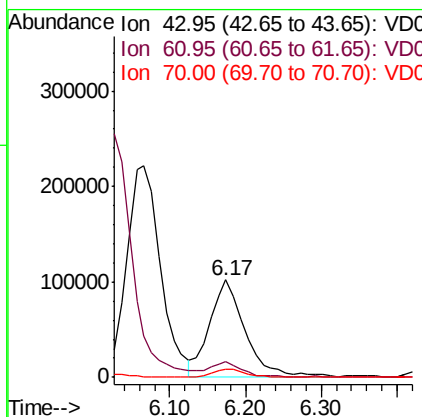
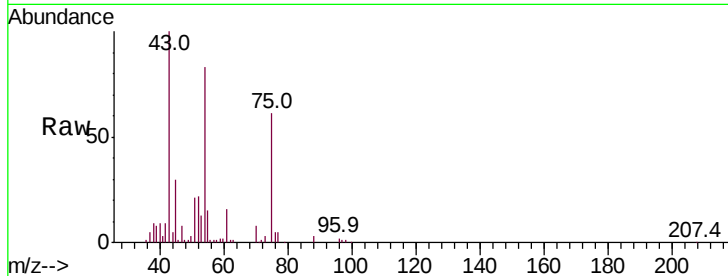




#37
Ethyl Acetate
Concen: 53.522 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

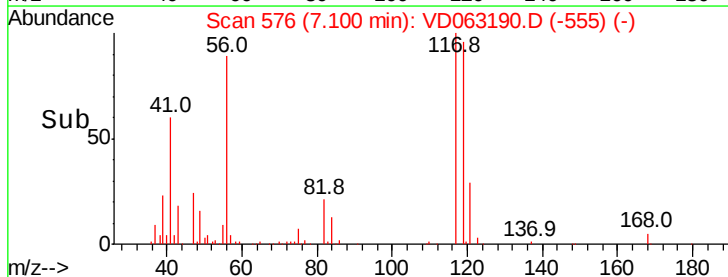
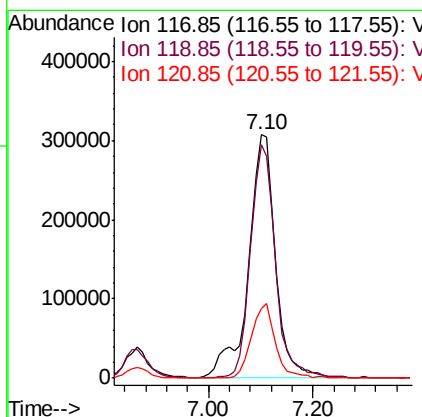
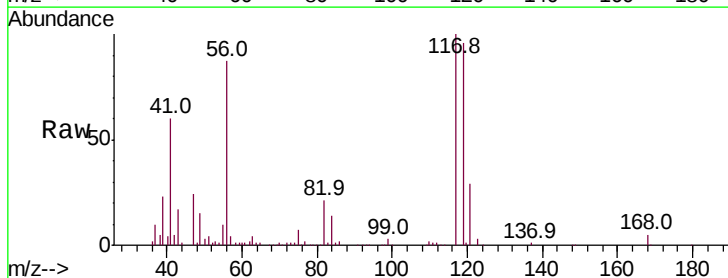
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

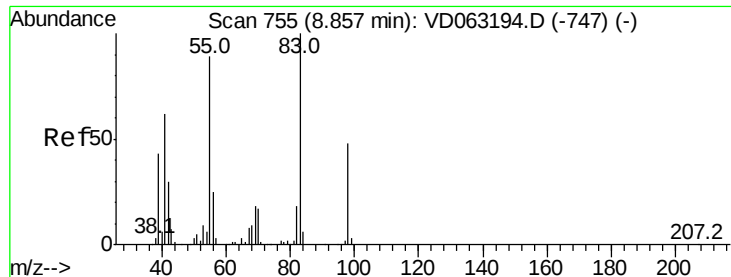
Tot Ion: 43 Resp: 327391
Ion Ratio Lower Upper
43 100
61 16.3 11.3 16.9
70 8.4 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 53.065 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion: 117 Resp: 1087729
Ion Ratio Lower Upper
117 100
119 95.7 78.2 117.2
121 28.8 22.1 33.1

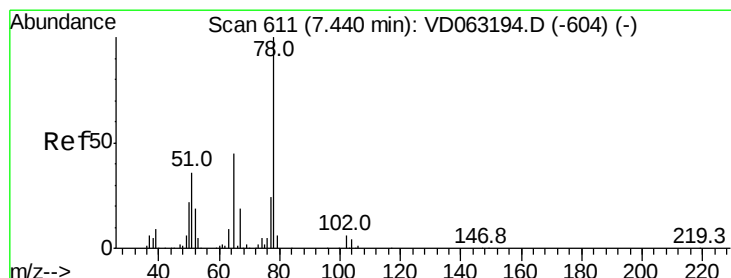
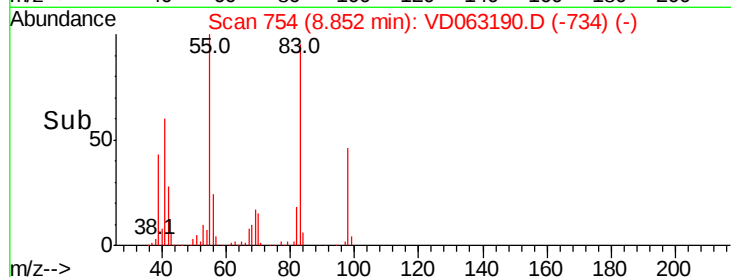
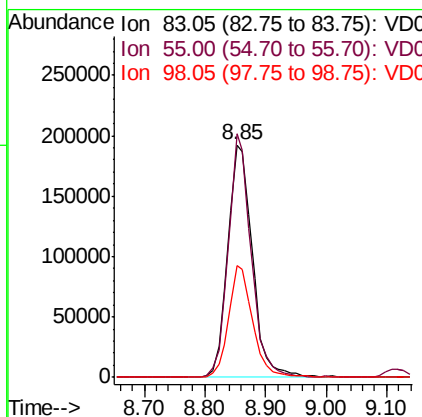
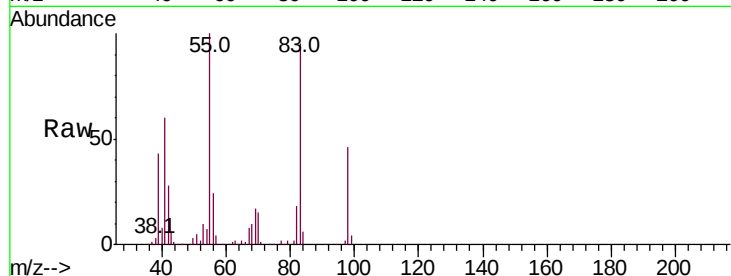




#39
Methvlcvclohexane
Concen: 47.943 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

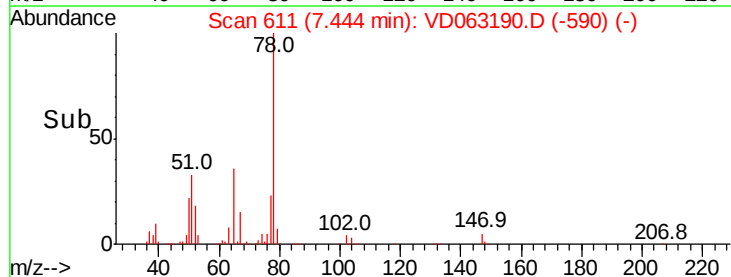
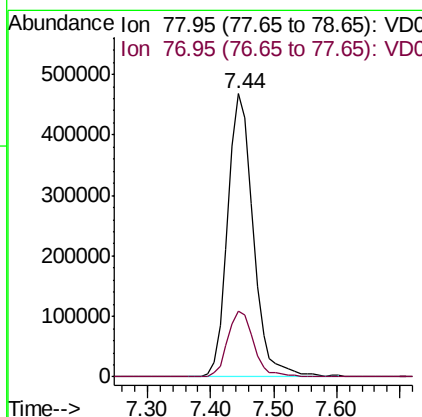
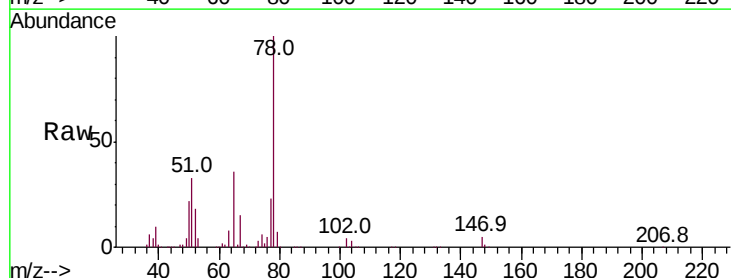
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

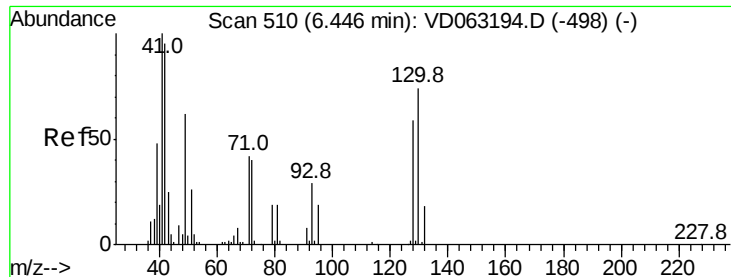
Tot Ion: 83 Resp: 543867
Ion Ratio Lower Upper
83 100
55 104.9 71.1 106.7
98 48.1 38.5 57.7



#40
Benzene
Concen: 46.025 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion: 78 Resp: 1313367
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2





#41

Methacrylonitrile

Concen: 55.006 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 402486

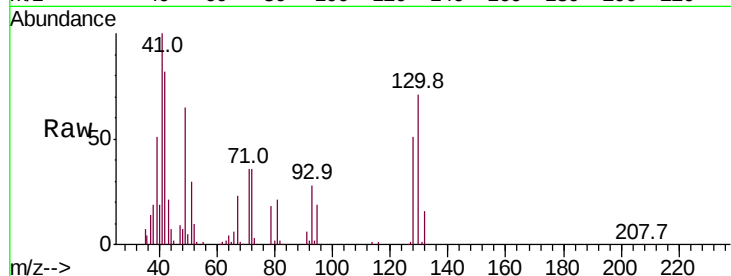
Ion Ratio Lower Upper

41 100

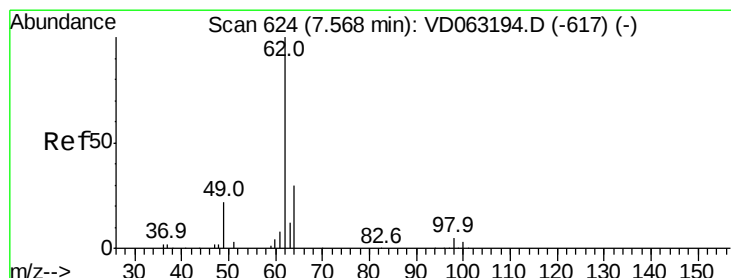
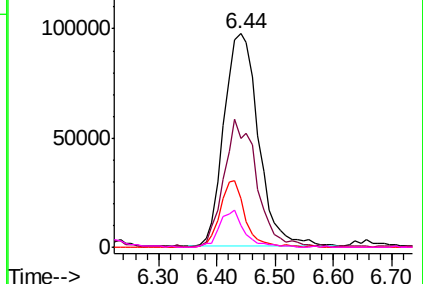
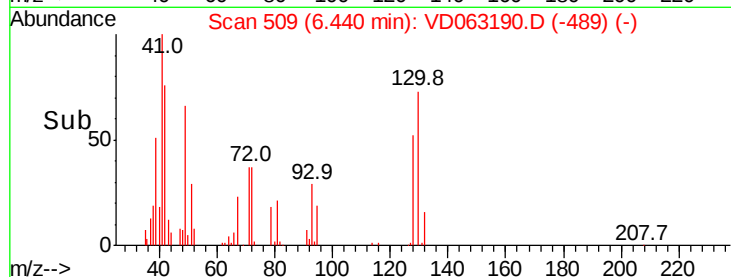
39 51.2 38.4 57.6

67 22.7 6.7 10.1#

52 9.9 4.3 6.5#



Abundance Ion 40.95 (40.65 to 41.65): VDC
 150000 Ion 38.95 (38.65 to 39.65): VDC
 Ion 67.00 (66.70 to 67.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.535 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063190.D

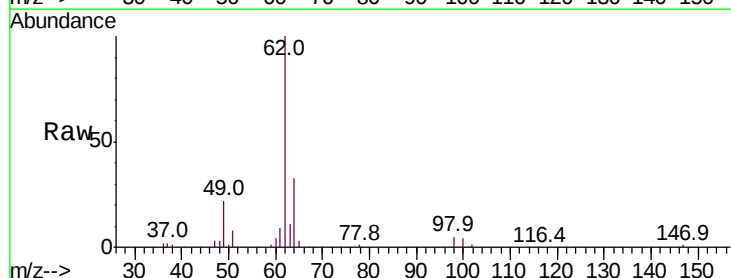
Acq: 29 Jul 2019 10:13

Tgt Ion: 62 Resp: 749133

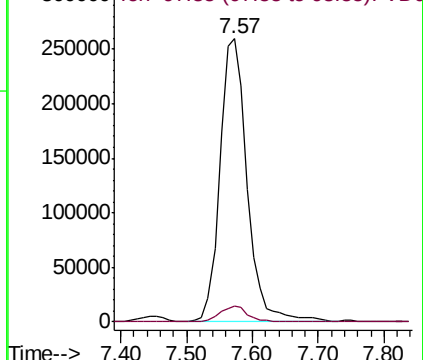
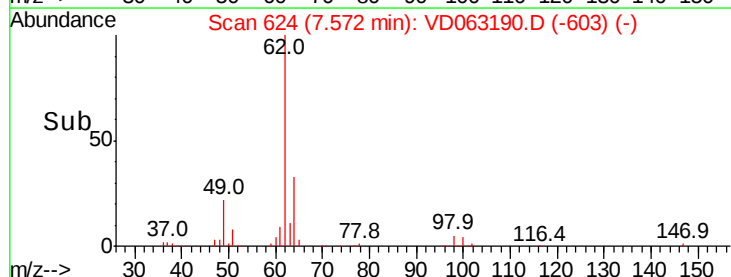
Ion Ratio Lower Upper

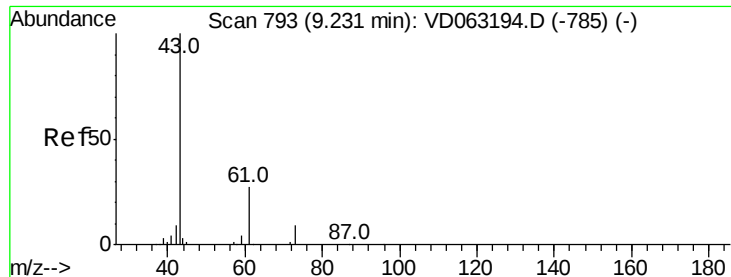
62 100

98 5.4 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
 300000 Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.700 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

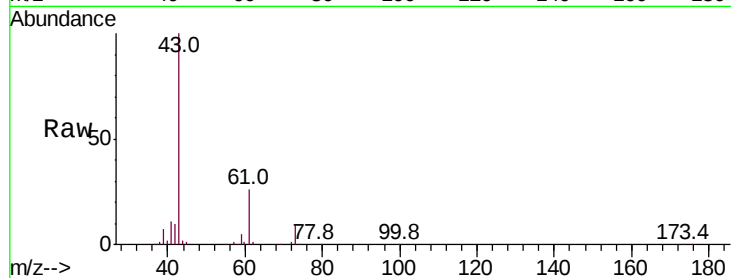
Tot Ion: 43 Resp: 427413

Ion Ratio Lower Upper

43 100

61 26.3 21.4 32.0

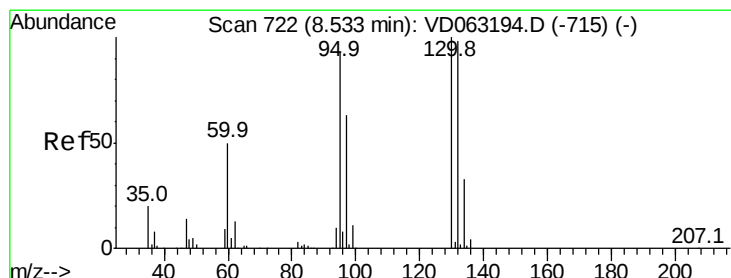
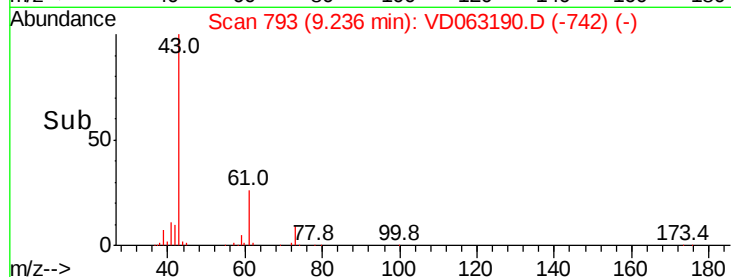
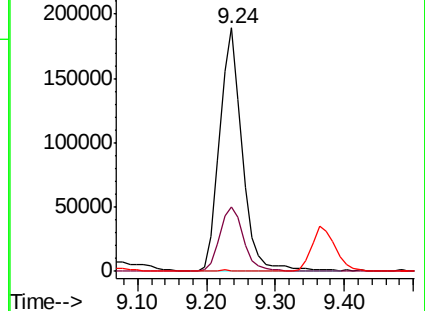
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 45.680 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063190.D

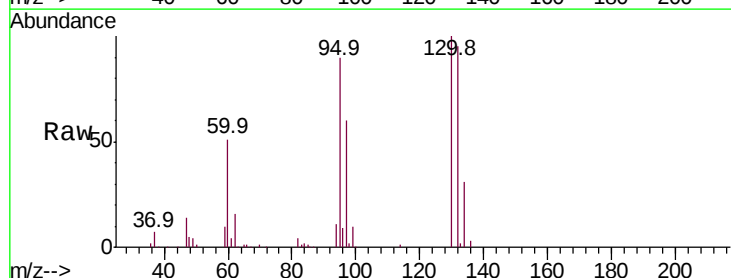
Acq: 29 Jul 2019 10:13

Tgt Ion:130 Resp: 528206

Ion Ratio Lower Upper

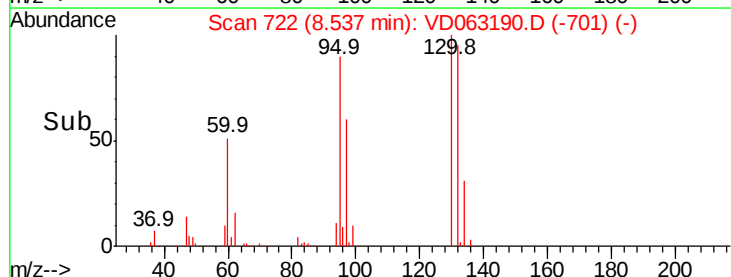
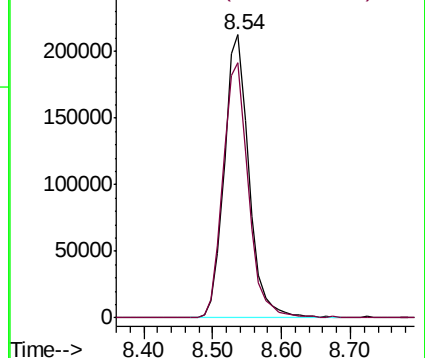
130 100

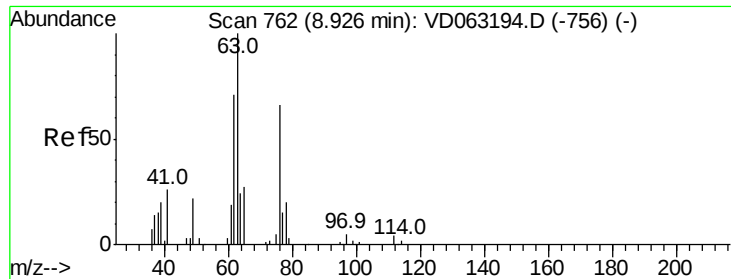
95 90.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.099 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

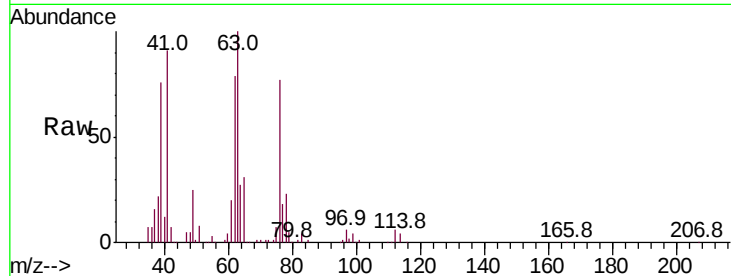
VSTDCCC050

Tot Ion: 63 Resp: 341614

Ion Ratio Lower Upper

63 100

65 30.6 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

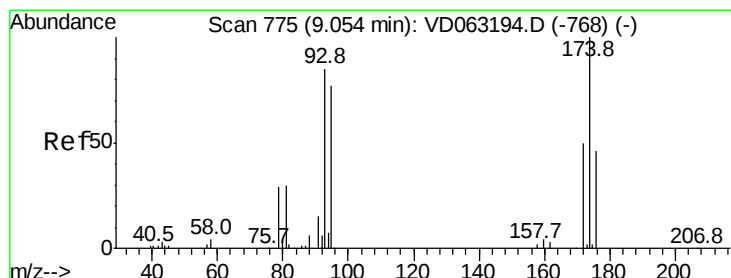
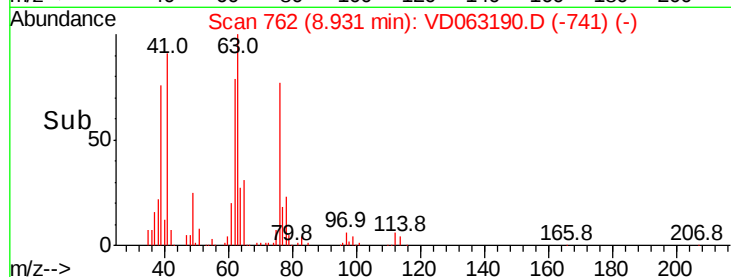
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 50.828 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

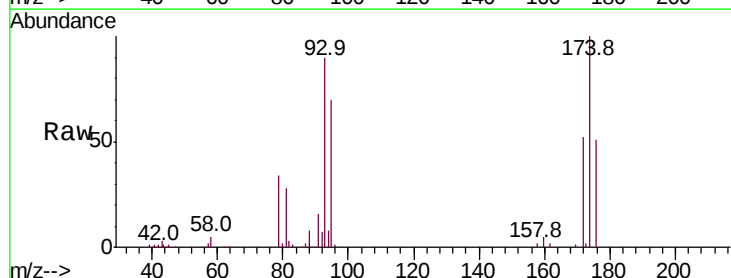
Tgt Ion: 93 Resp: 306538

Ion Ratio Lower Upper

93 100

95 77.8 72.8 109.2

174 111.4 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

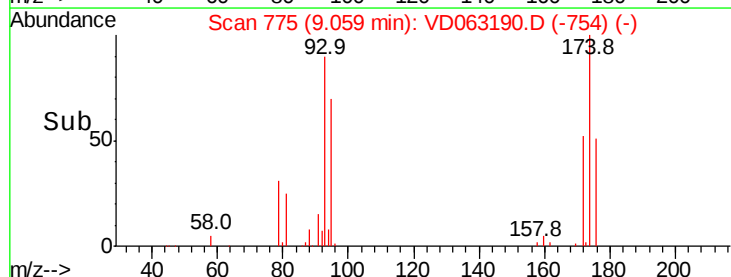
150000

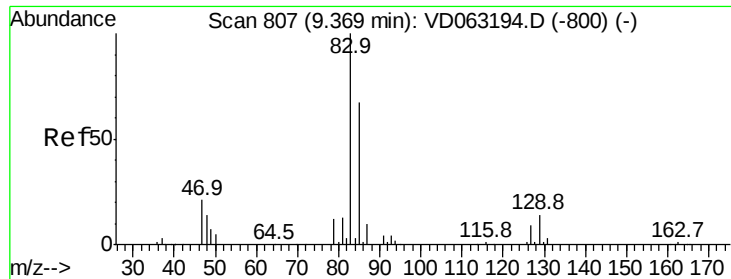
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 53.344 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

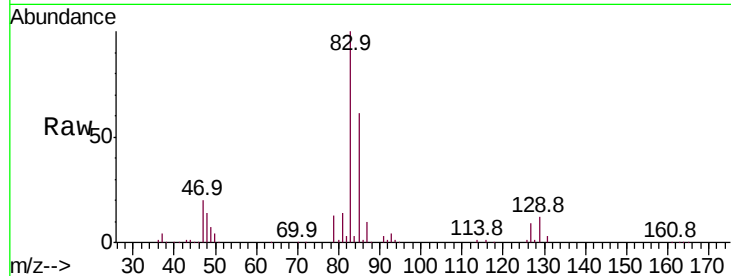
Tot Ion: 83 Resp: 820077

Ion Ratio Lower Upper

83 100

85 61.1 53.6 80.4

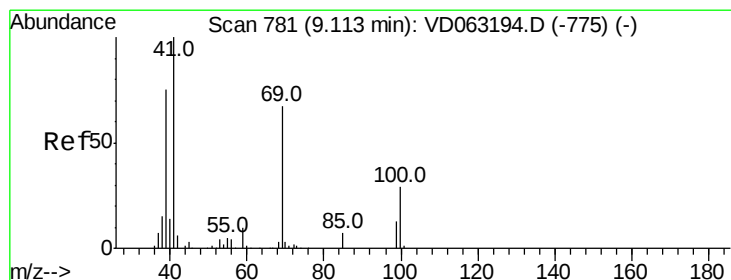
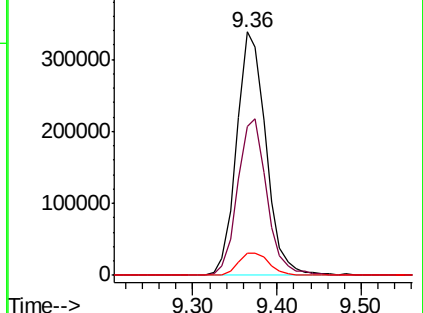
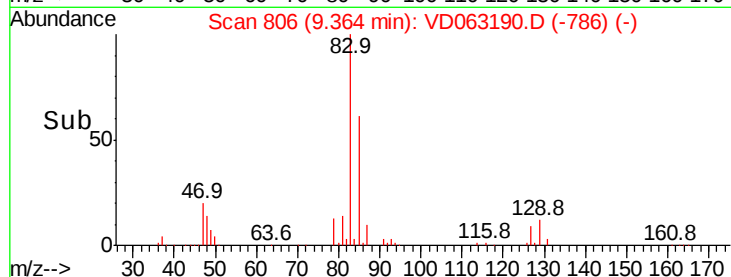
127 8.9 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 57.915 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

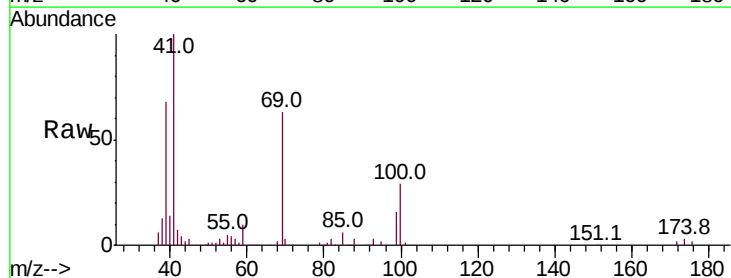
Tgt Ion: 41 Resp: 293498

Ion Ratio Lower Upper

41 100

69 62.8 53.4 80.0

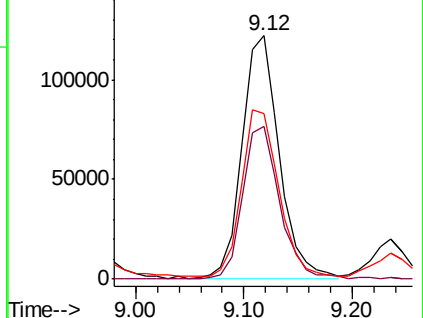
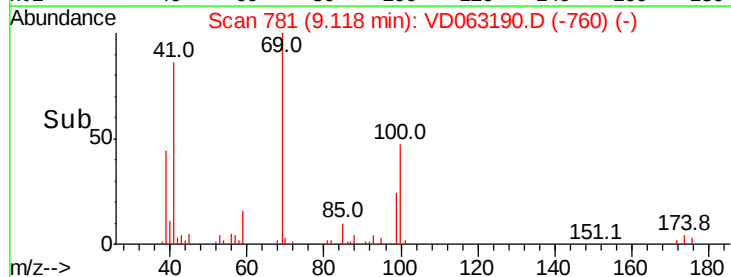
39 67.9 60.3 90.5

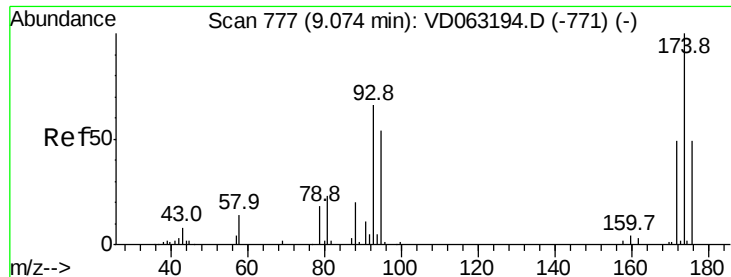


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1204.027 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

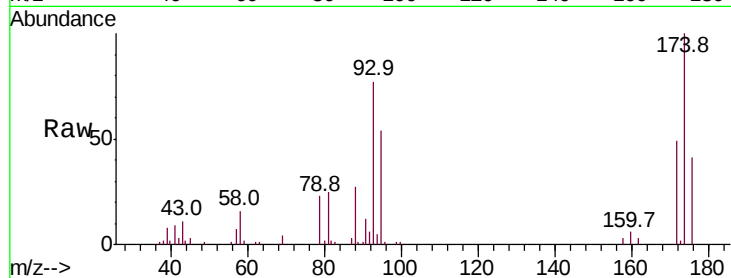
Tot Ion: 88 Resp: 51652

Ion Ratio Lower Upper

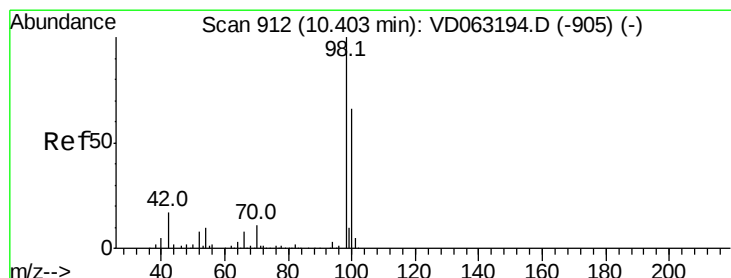
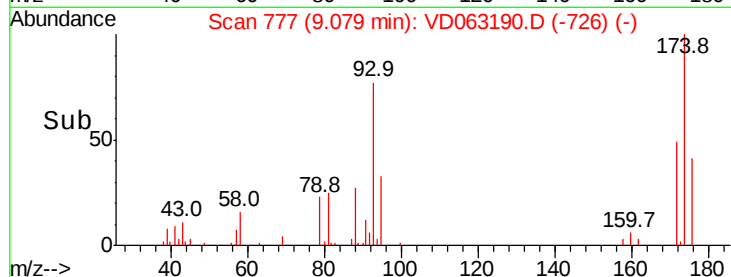
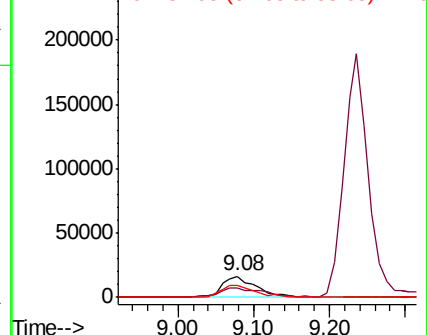
88 100

43 43.2 30.7 46.1

58 58.9 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 34.380 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063190.D

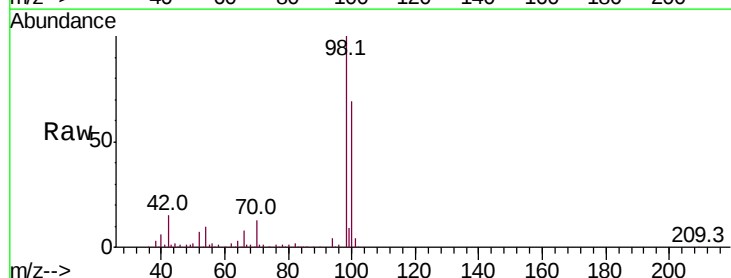
Acq: 29 Jul 2019 10:13

Tgt Ion: 98 Resp: 980091

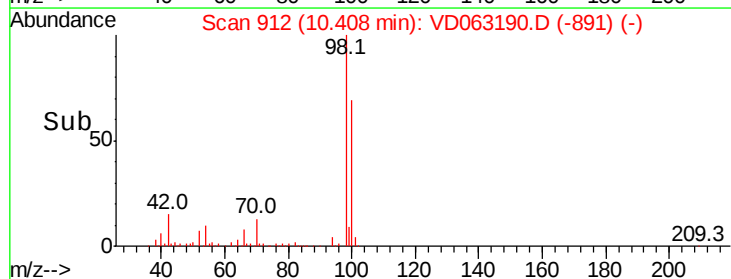
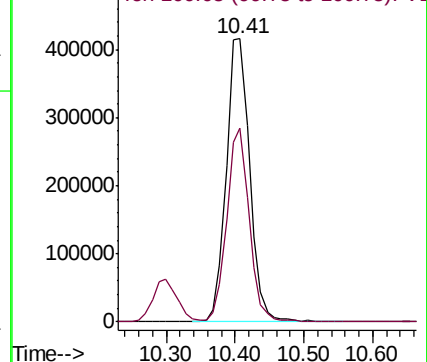
Ion Ratio Lower Upper

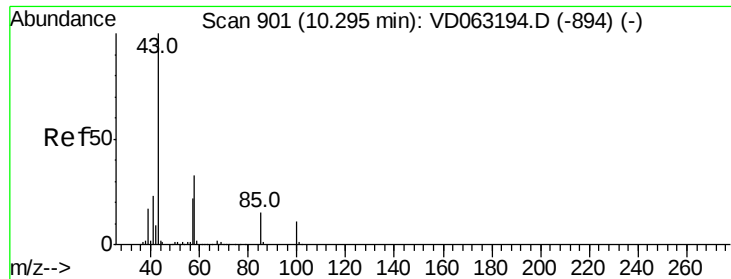
98 100

100 68.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 279.798 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

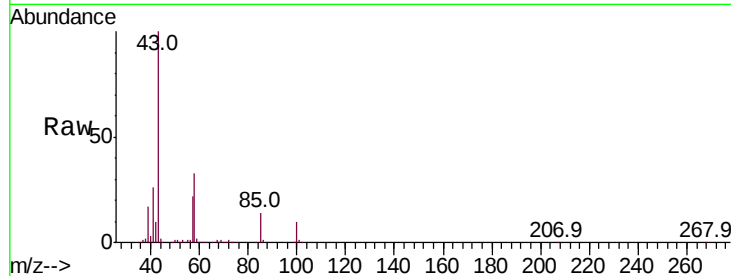
VSTDCCC050

Tot Ion: 43 Resp: 1486853

Ion Ratio Lower Upper

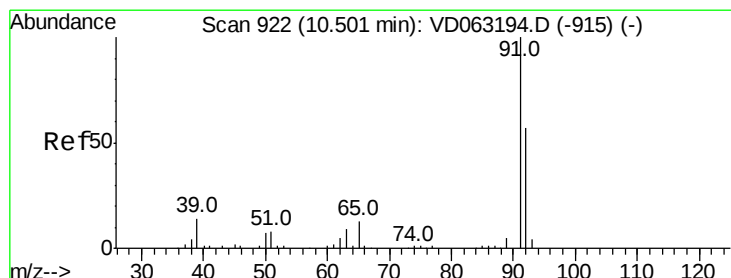
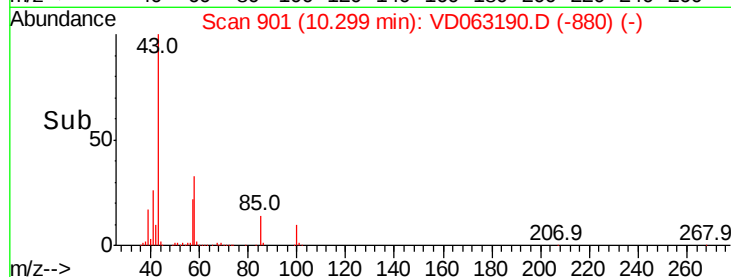
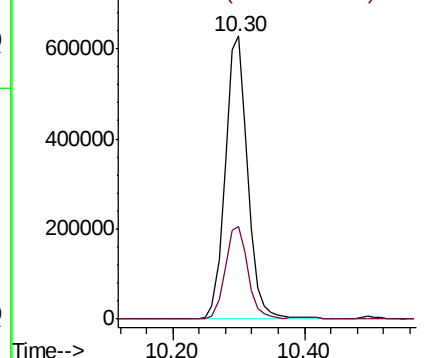
43 100

58 32.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.822 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063190.D

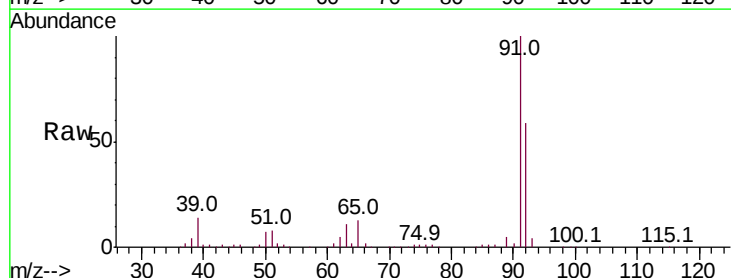
Acq: 29 Jul 2019 10:13

Tgt Ion: 92 Resp: 964563

Ion Ratio Lower Upper

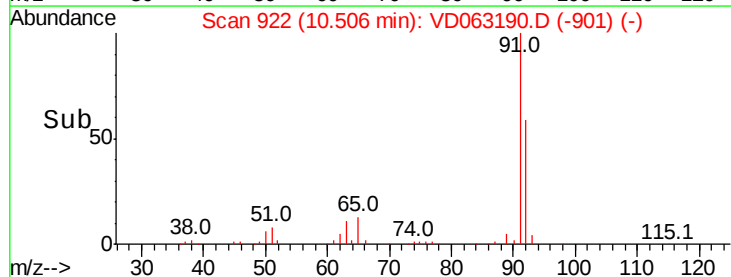
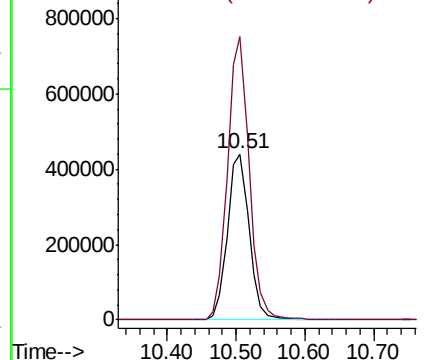
92 100

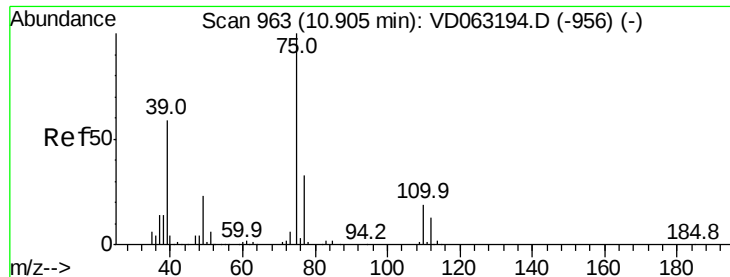
91 170.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

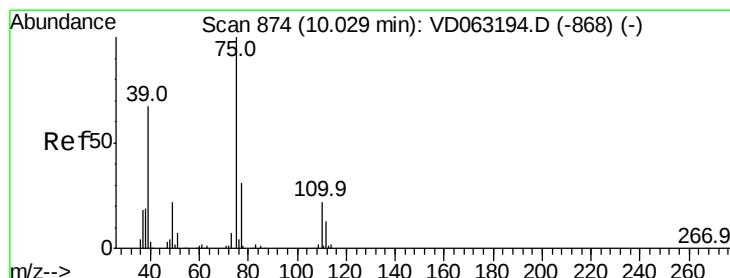
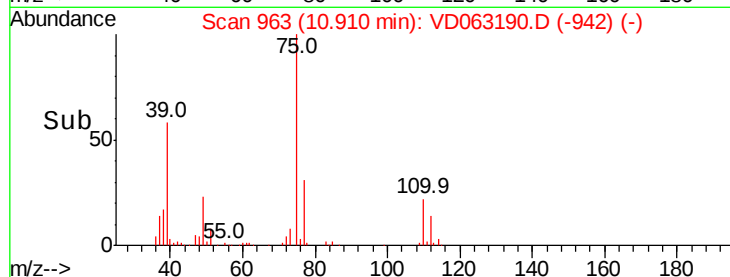
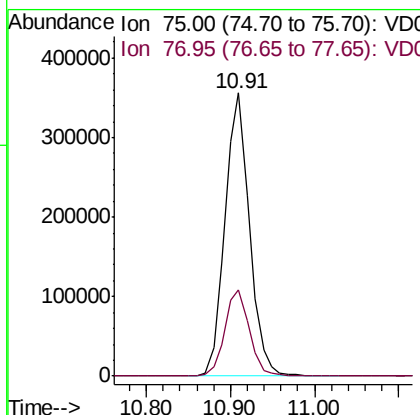
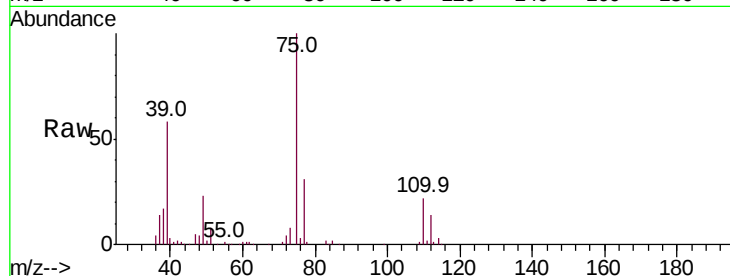




#53
 t-1,3-Dichloropropene
 Concen: 54.158 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

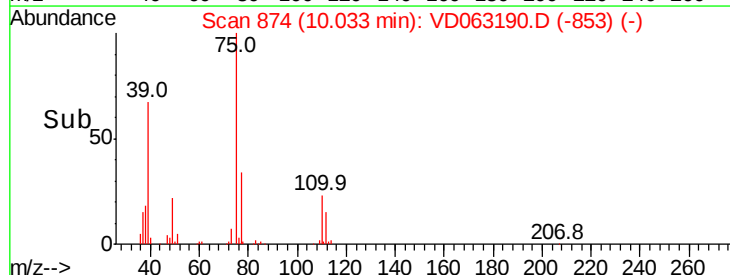
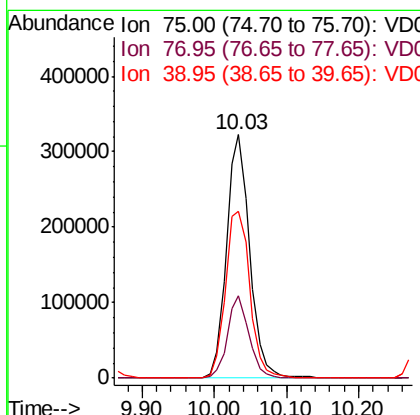
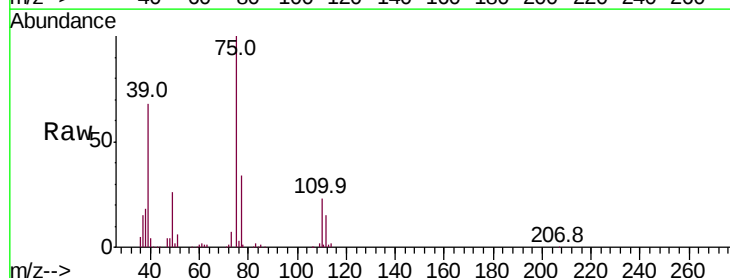
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

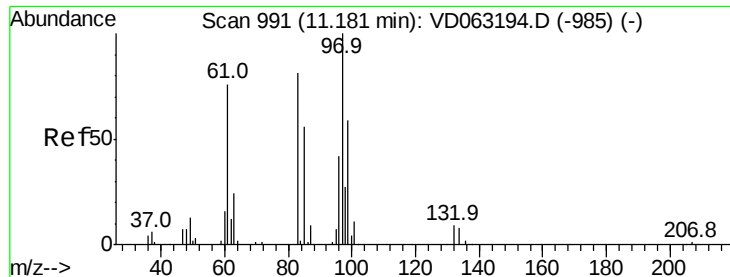
Tot Ion: 75 Resp: 717798
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.654 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Tgt Ion: 75 Resp: 719512
 Ion Ratio Lower Upper
 75 100
 77 33.8 24.9 37.3
 39 68.4 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 52.408 ug/l

RT: 11.19 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 335931

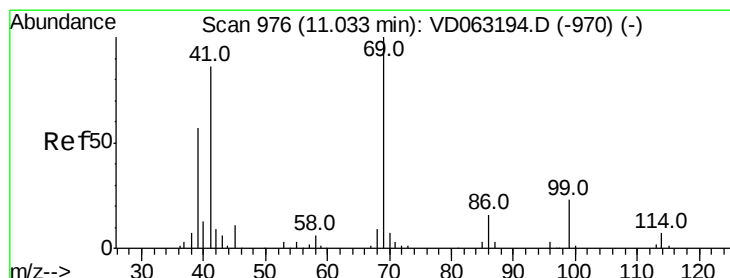
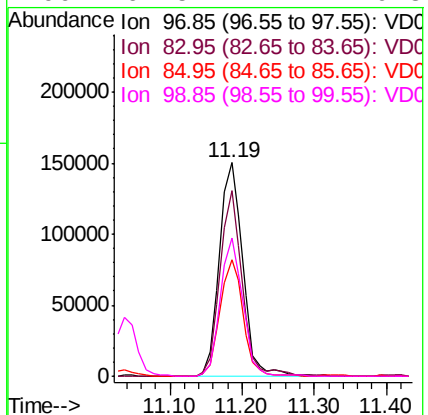
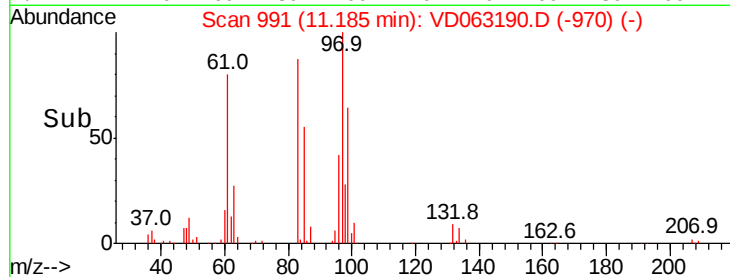
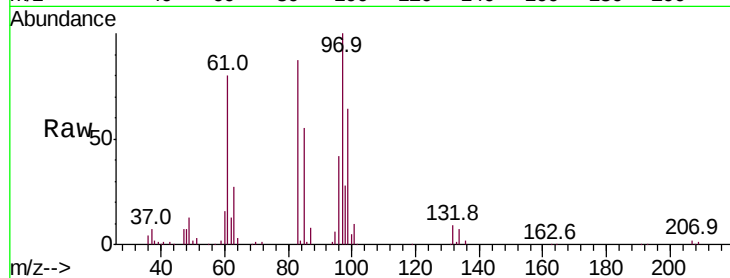
Ion	Ratio	Lower	Upper
97	100		
83	87.1	64.8	97.2
85	54.8	44.9	67.3
99	64.5	47.2	70.8

Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.923 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

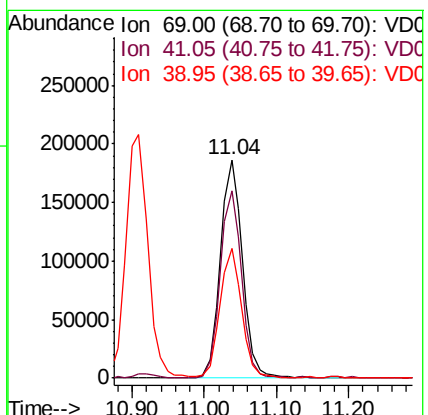
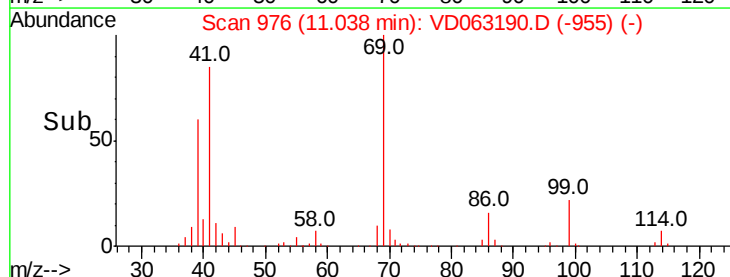
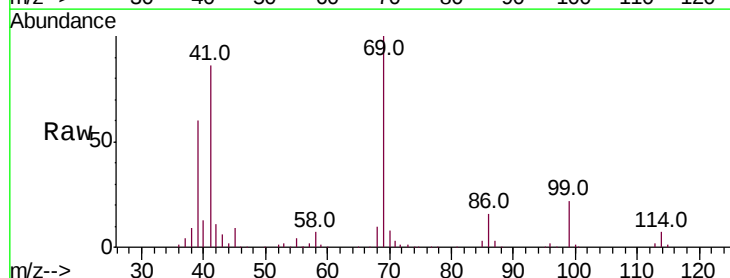
Tgt Ion: 69 Resp: 392525

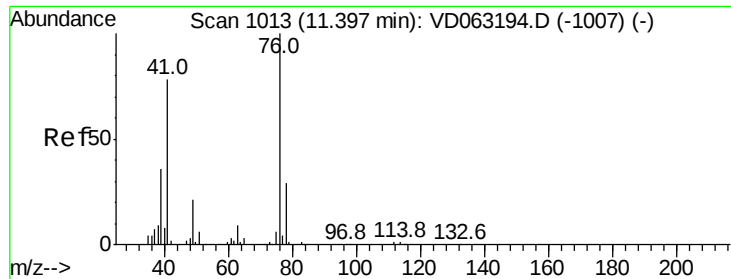
Ion	Ratio	Lower	Upper
69	100		
41	85.5	68.8	103.2
39	59.6	45.8	68.8

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.522 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

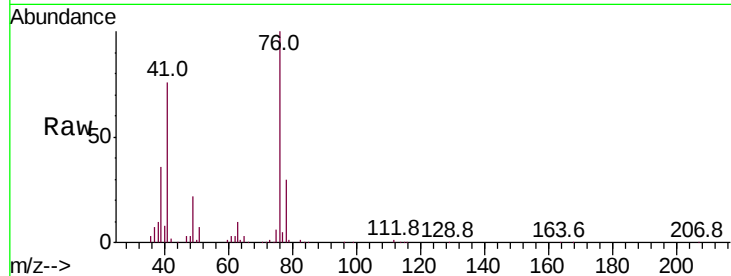
VSTDCCC050

Tot Ion: 76 Resp: 500140

Ion Ratio Lower Upper

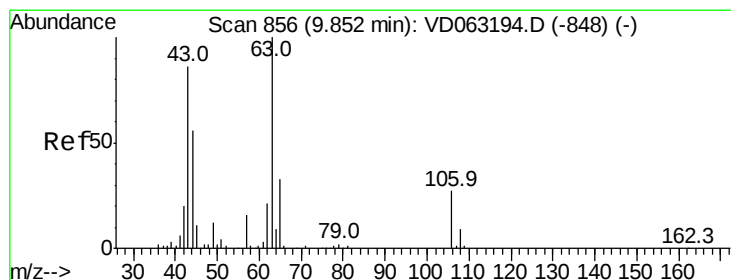
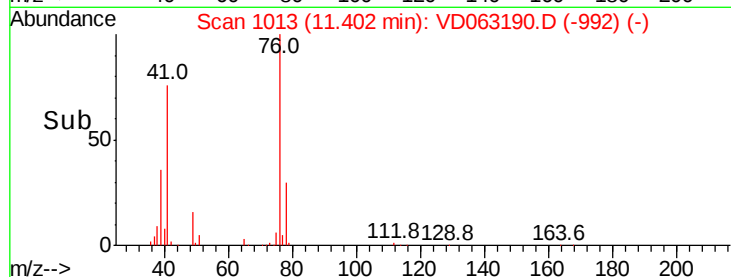
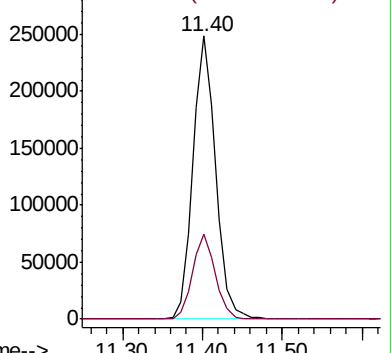
76 100

78 29.8 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 268.936 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063190.D

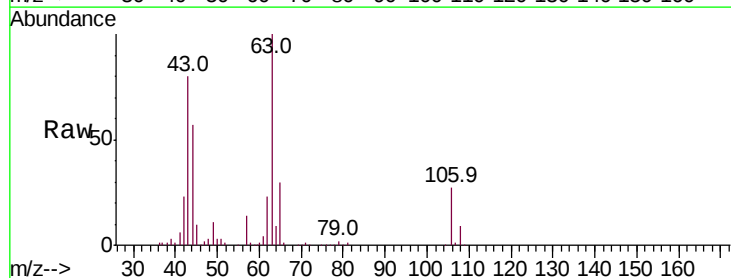
Acq: 29 Jul 2019 10:13

Tgt Ion: 63 Resp: 982236

Ion Ratio Lower Upper

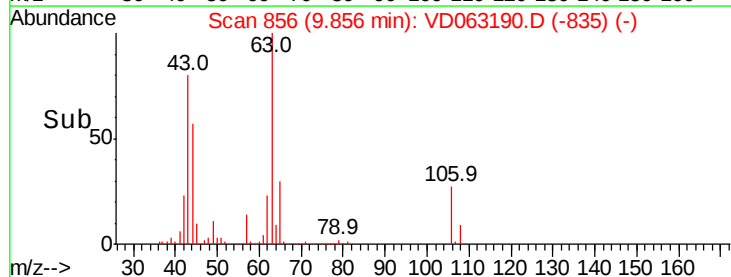
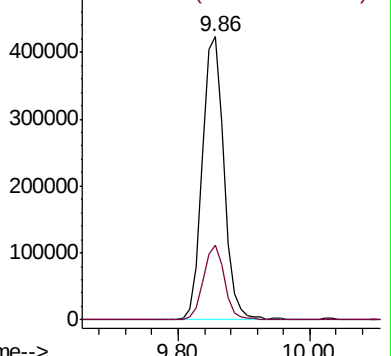
63 100

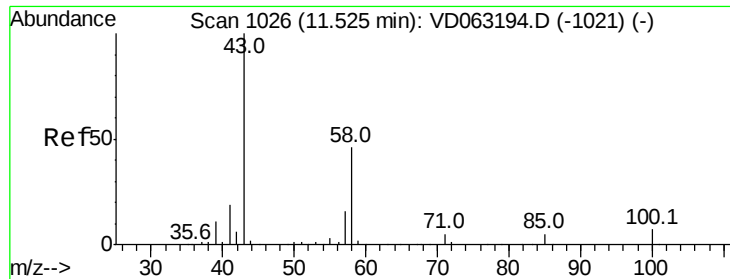
106 26.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

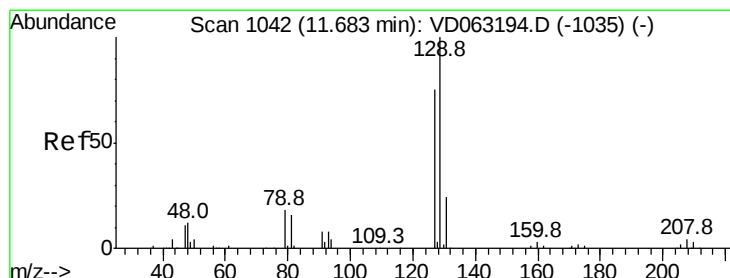
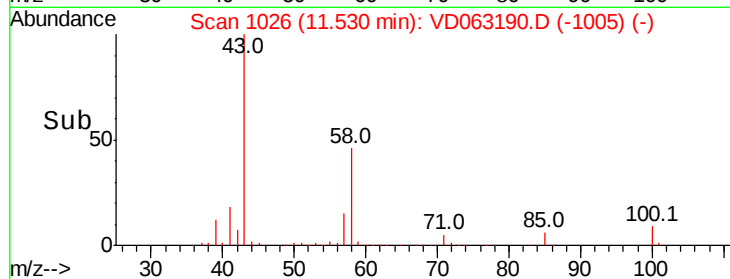
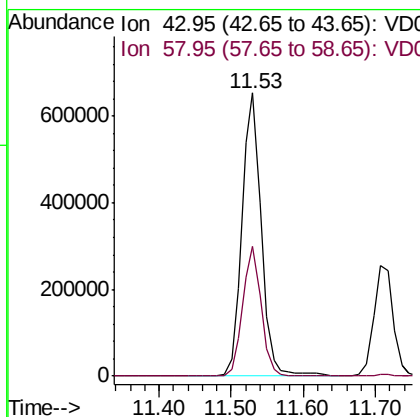
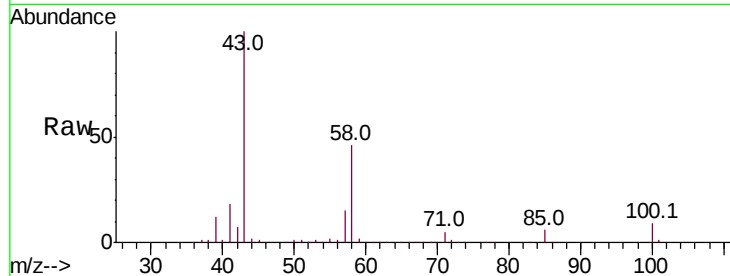




#59
2-Hexanone
Concen: 319.188 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

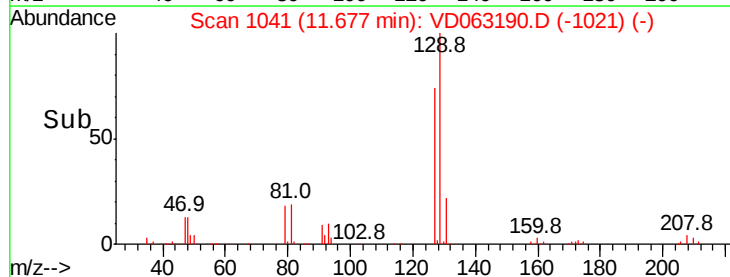
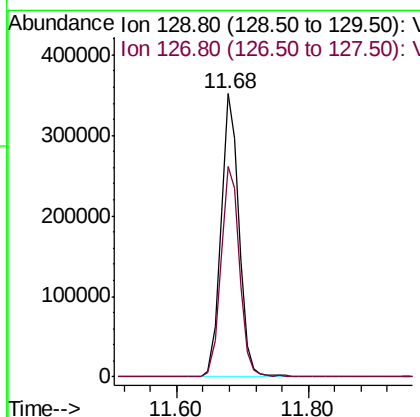
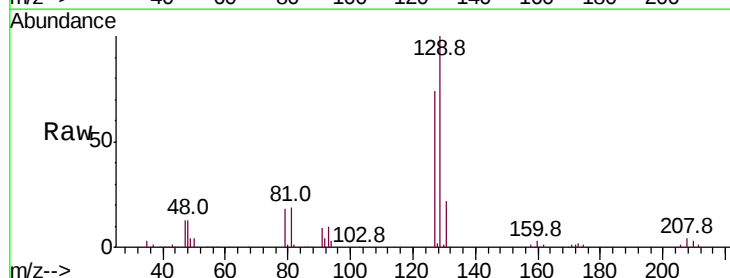
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

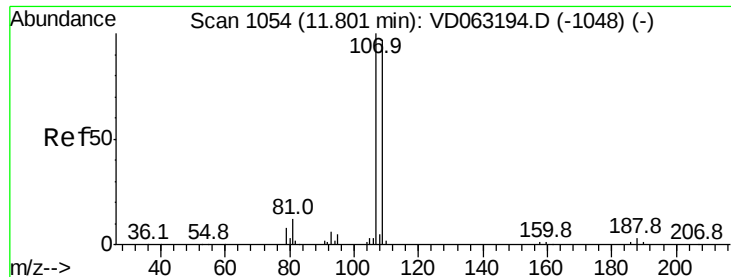
Tot Ion: 43 Resp: 1222333
Ion Ratio Lower Upper
43 100
58 46.0 22.9 68.5



#60
Dibromochloromethane
Concen: 55.390 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion: 129 Resp: 670275
Ion Ratio Lower Upper
129 100
127 74.2 37.6 112.8

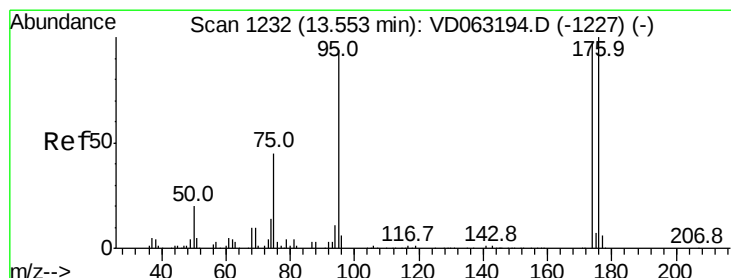
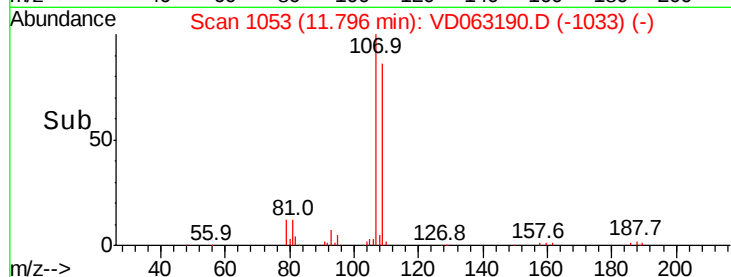
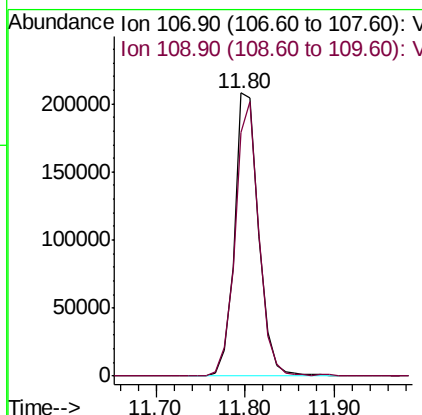
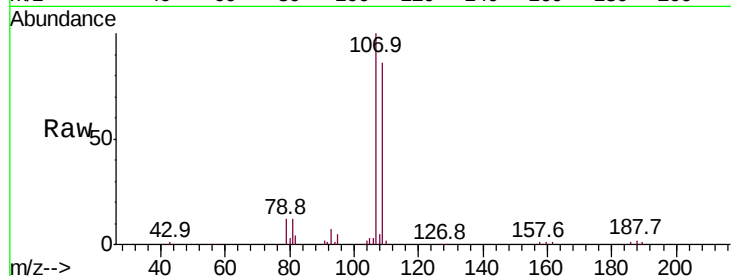




#61
1,2-Dibromoethane
Concen: 49.872 ug/l
RT: 11.80 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

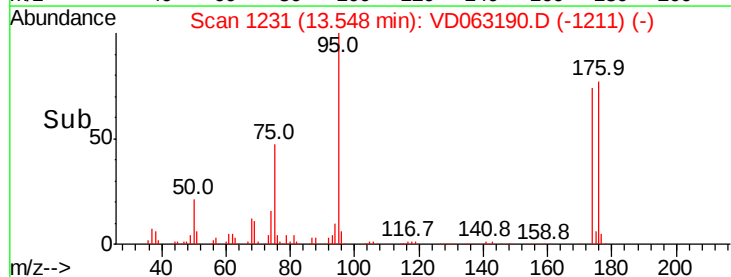
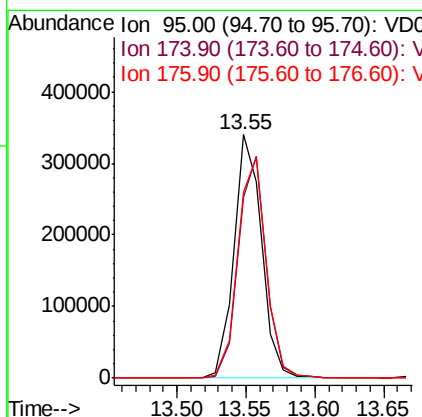
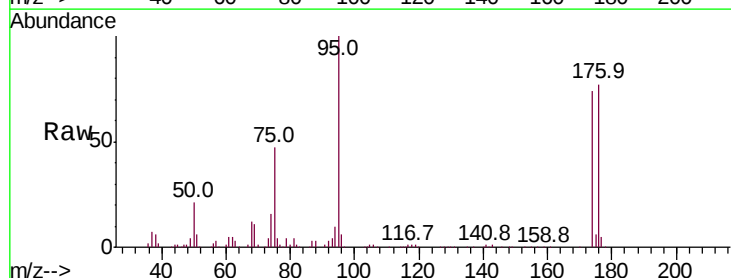
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

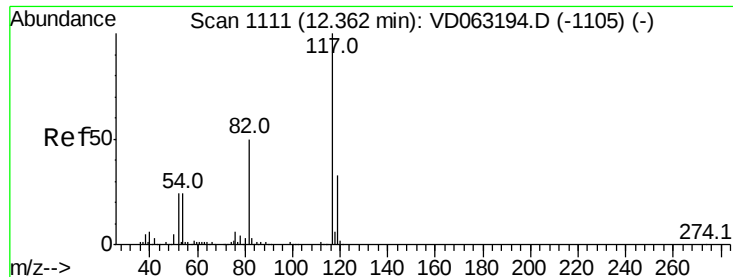
Tot Ion:107 Resp: 394464
Ion Ratio Lower Upper
107 100
109 86.0 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 36.536 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion: 95 Resp: 474629
Ion Ratio Lower Upper
95 100
174 74.2 0.0 205.4
176 76.5 0.0 211.8

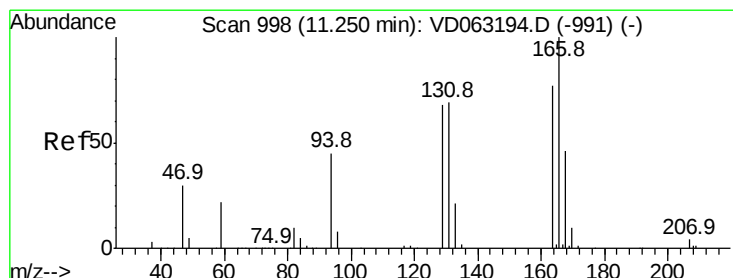
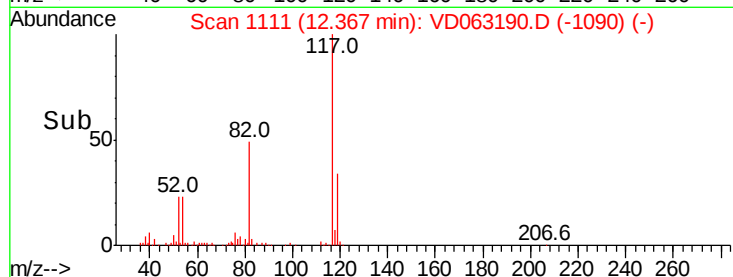
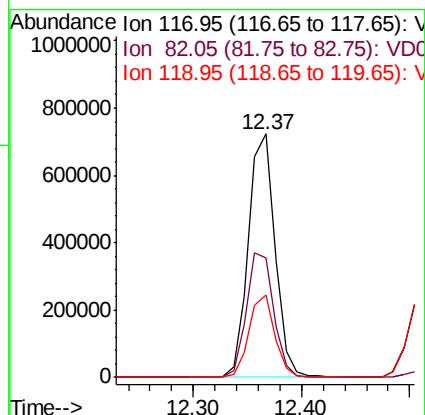
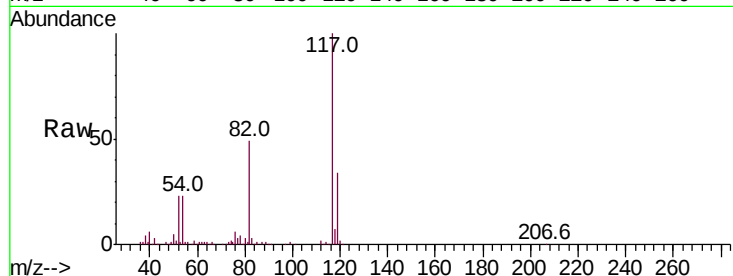




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

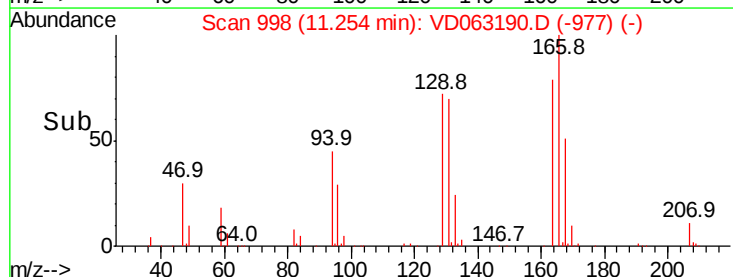
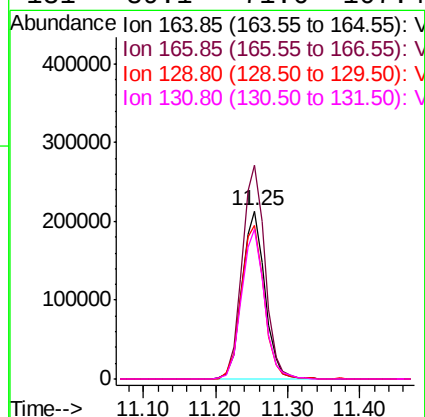
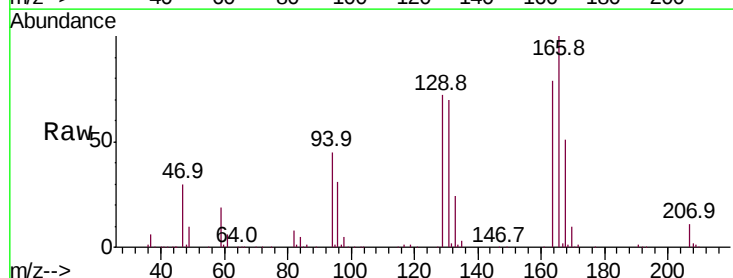
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

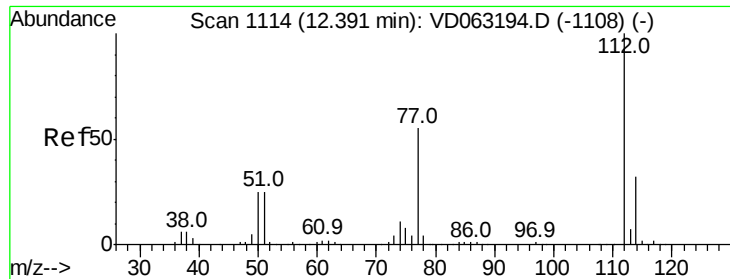
Tot Ion:117 Resp: 1245029
Ion Ratio Lower Upper
117 100
82 48.9 40.1 60.1
119 33.6 26.5 39.7



#64
Tetrachloroethene
Concen: 47.552 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion:164 Resp: 471653
Ion Ratio Lower Upper
164 100
166 127.1 104.3 156.5
129 91.4 70.9 106.3
131 89.1 71.6 107.4

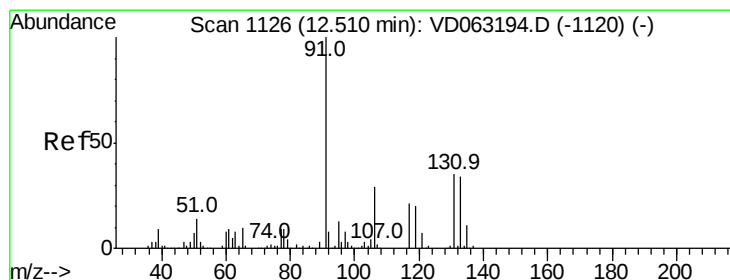
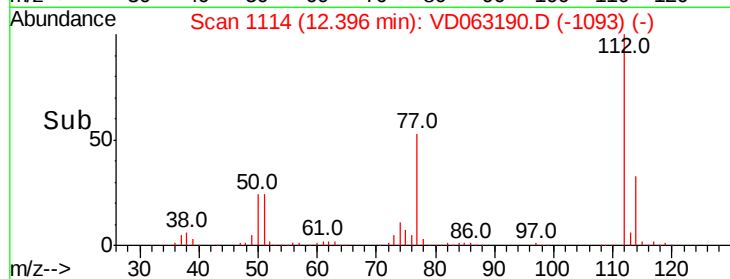
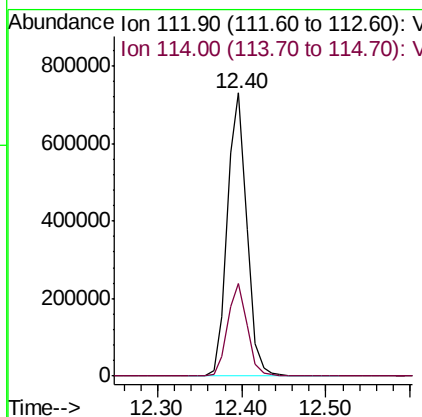
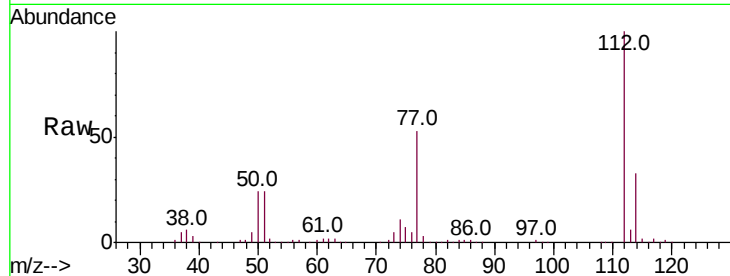




#65
Chlorobenzene
Concen: 48.758 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

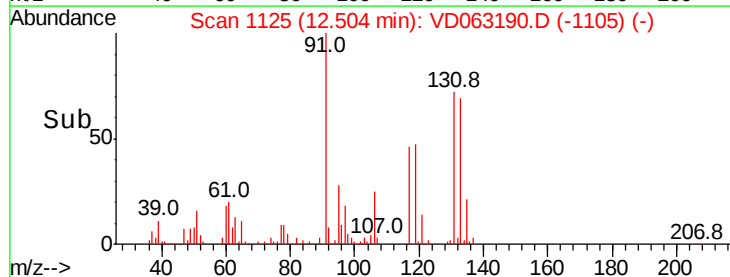
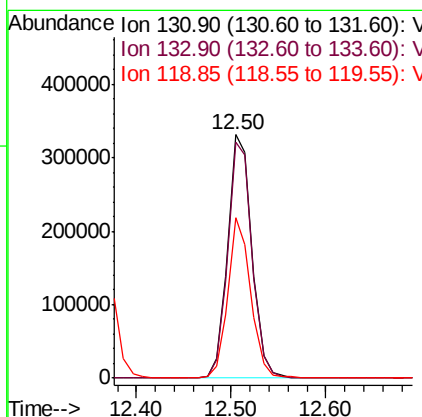
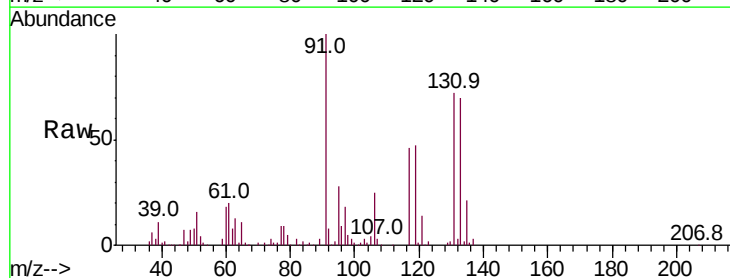
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

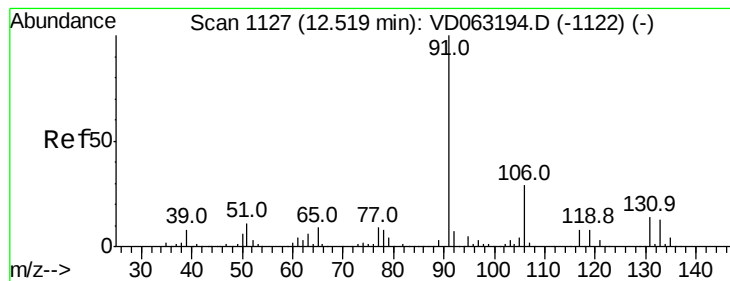
Tot Ion:112 Resp: 1167635
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.489 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion:131 Resp: 585335
Ion Ratio Lower Upper
131 100
133 96.9 48.4 145.2
119 65.7 29.1 87.3





#67

Ethyl Benzene

Concen: 50.922 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

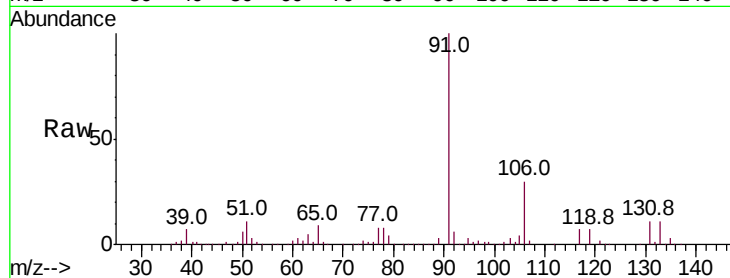
VSTDCCC050

Tot Ion: 91 Resp: 2071573

Ion Ratio Lower Upper

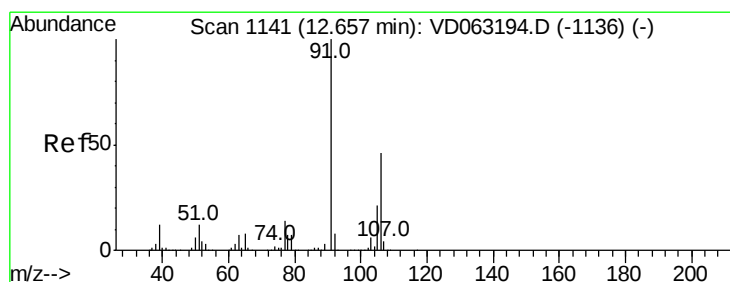
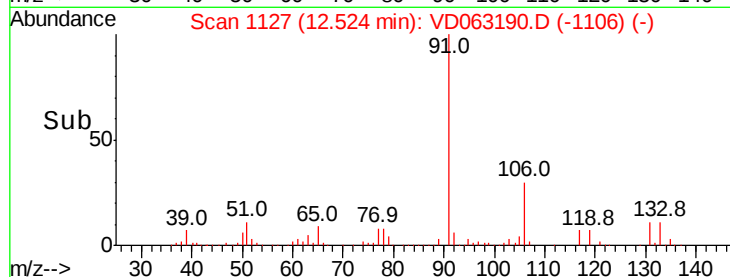
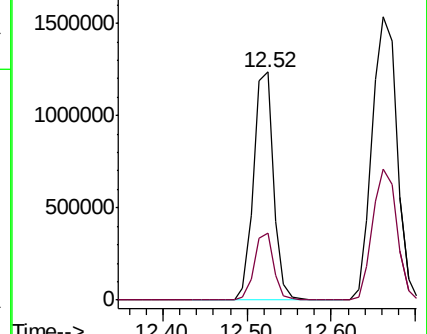
91 100

106 29.6 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 95.947 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VD063190.D

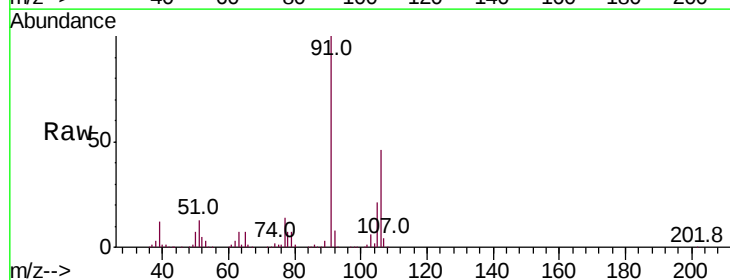
Acq: 29 Jul 2019 10:13

Tgt Ion: 106 Resp: 1431442

Ion Ratio Lower Upper

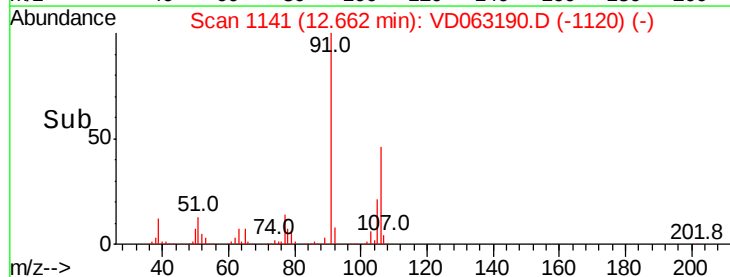
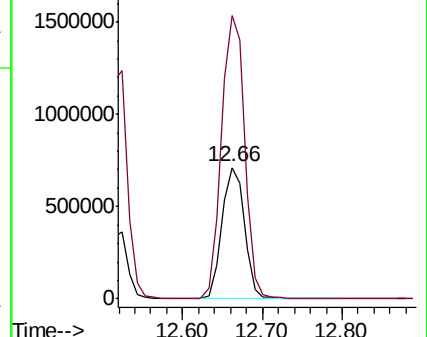
106 100

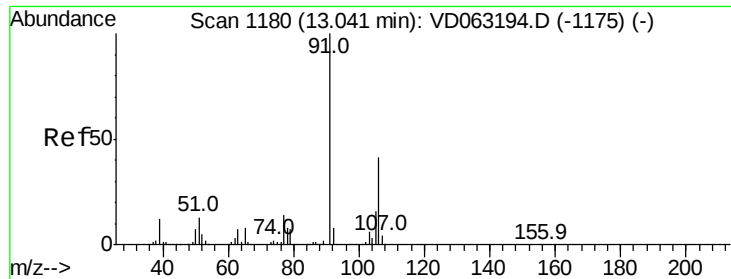
91 215.9 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

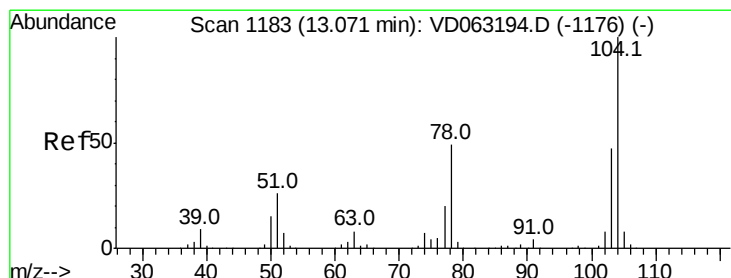
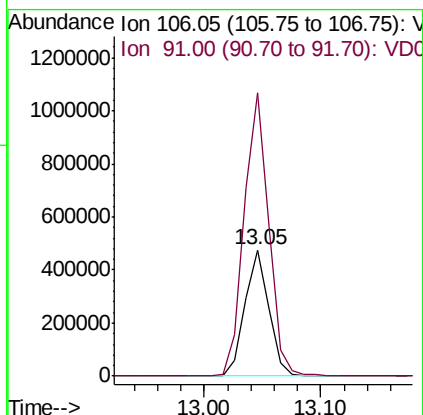
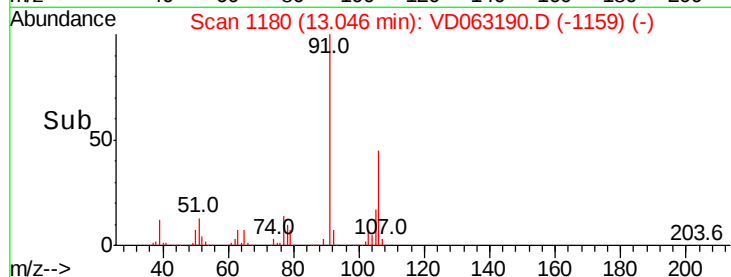
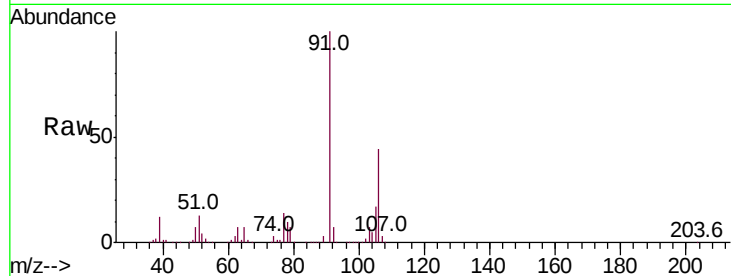




#69
o-Xylene
Concen: 49.635 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

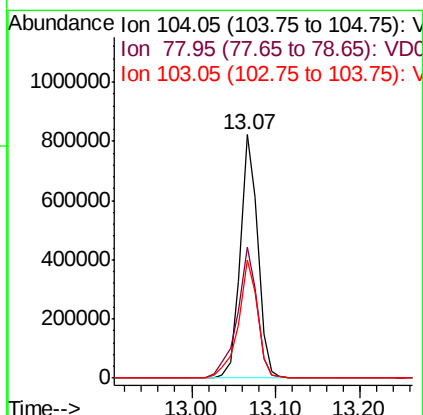
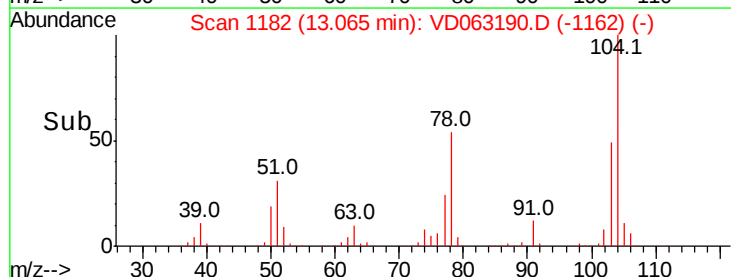
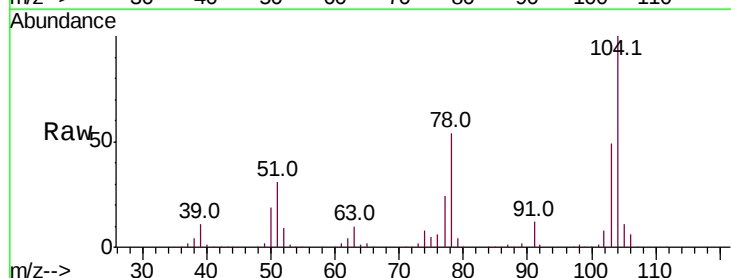
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

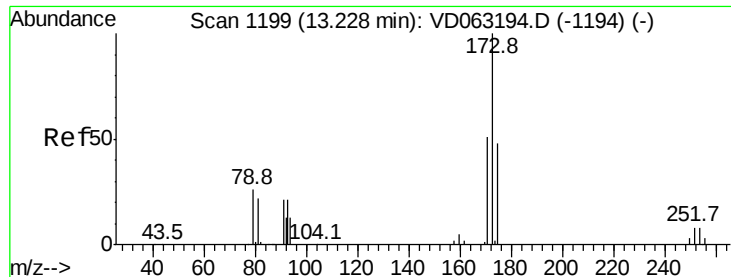
Tot Ion:106 Resp: 680013
Ion Ratio Lower Upper
106 100
91 224.8 121.3 363.9



#70
Styrene
Concen: 48.896 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion:104 Resp: 1187994
Ion Ratio Lower Upper
104 100
78 53.9 39.4 59.0
103 48.6 37.4 56.2





#71

Bromoform

Concen: 57.699 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

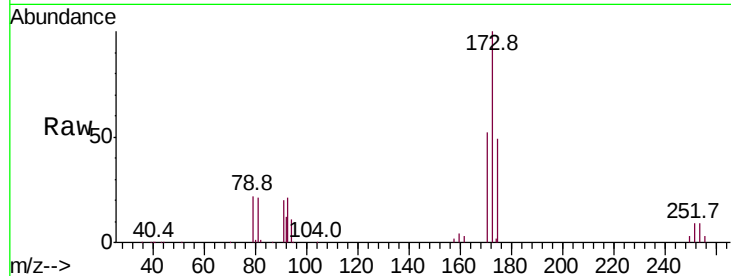
Tot Ion:173 Resp: 442615

Ion Ratio Lower Upper

173 100

175 48.9 23.8 71.5

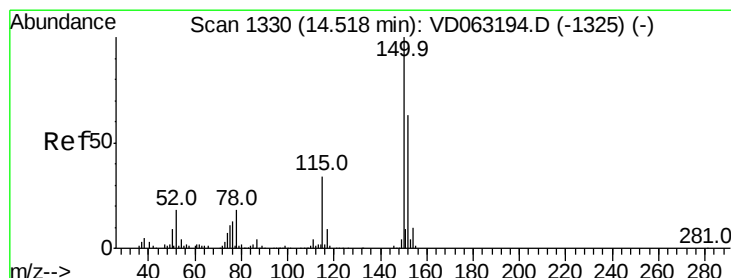
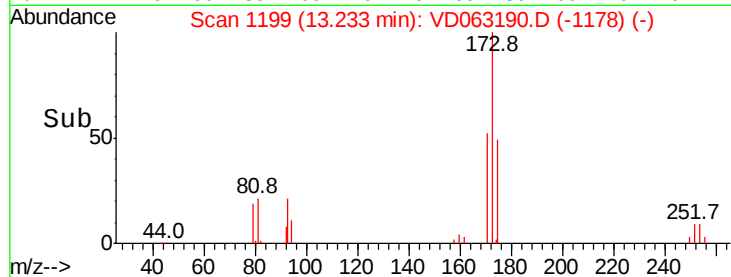
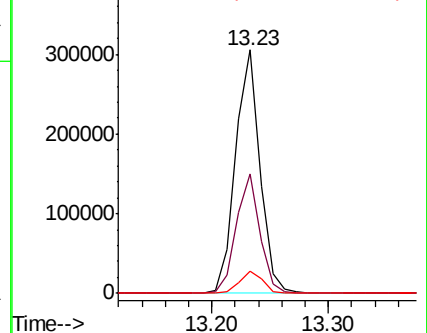
254 9.1 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

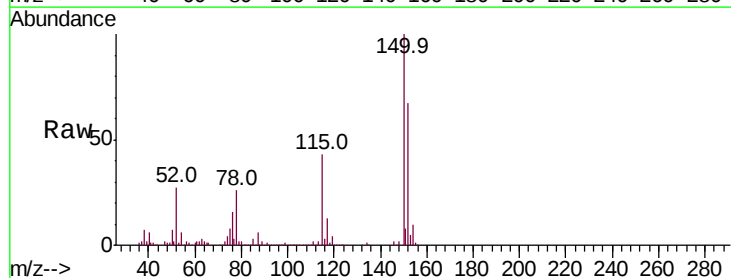
Tgt Ion:152 Resp: 679357

Ion Ratio Lower Upper

152 100

115 64.1 27.5 82.4

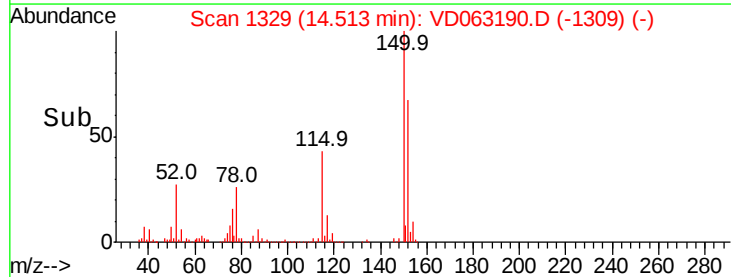
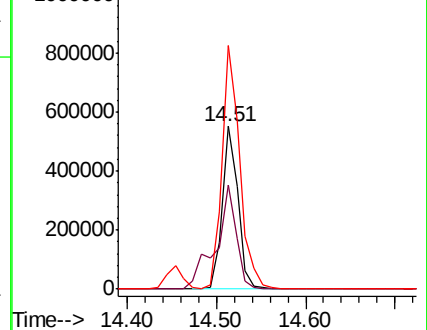
150 149.5 0.0 320.6

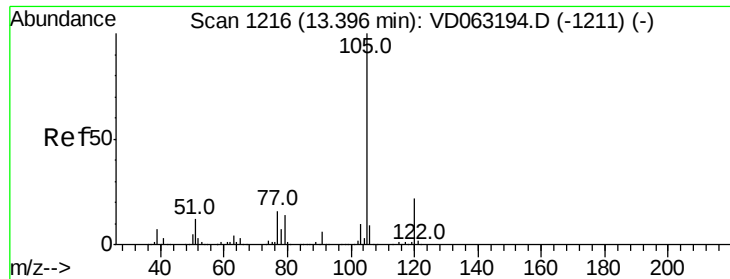


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.163 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

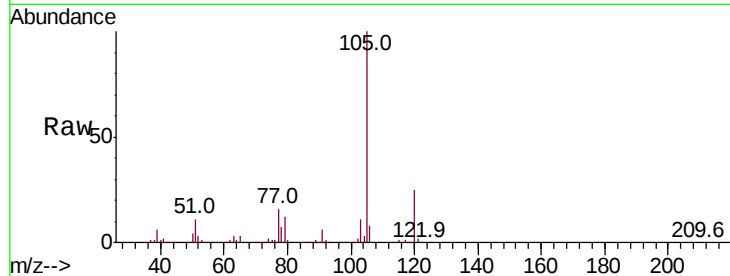
VSTDCCC050

Tot Ion:105 Resp: 2266800

Ion Ratio Lower Upper

105 100

120 24.6 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

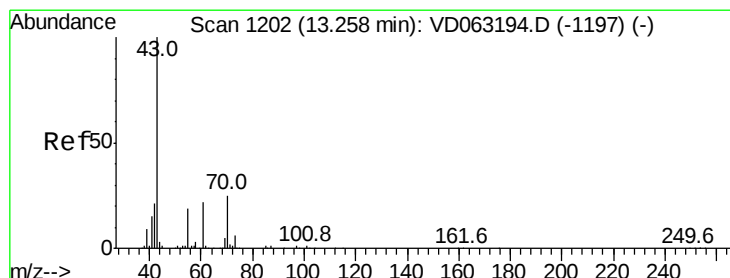
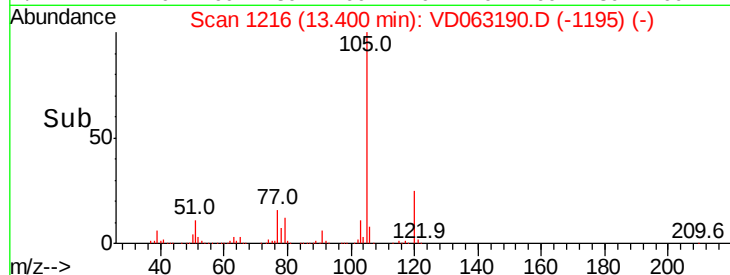
1000000

500000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 53.929 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Tgt Ion: 43 Resp: 607878

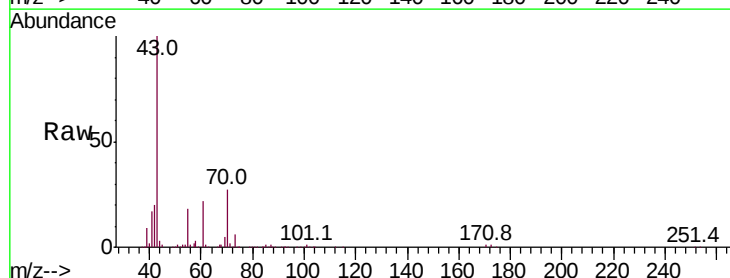
Ion Ratio Lower Upper

43 100

70 26.7 20.2 30.4

55 17.6 14.9 22.3

61 22.0 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

600000

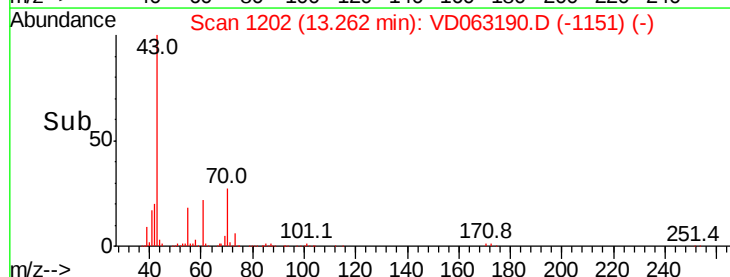
400000

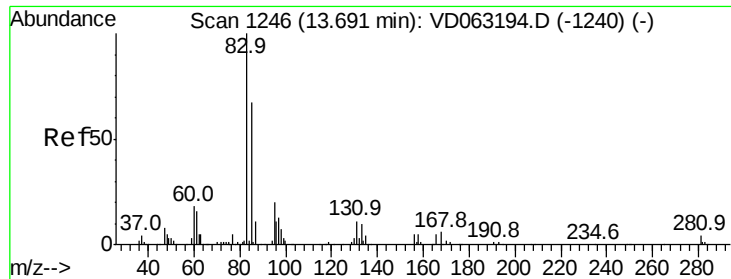
200000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 58.421 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

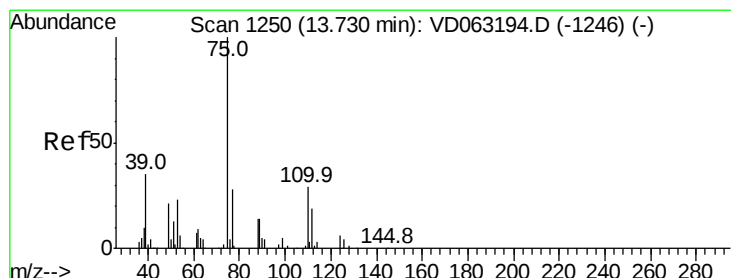
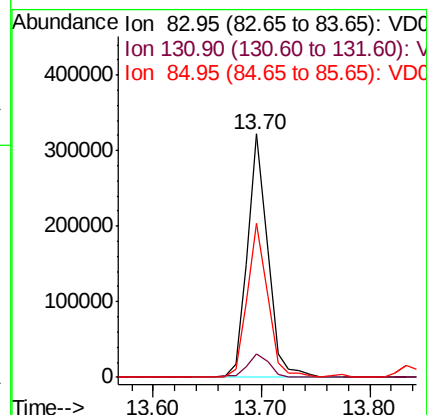
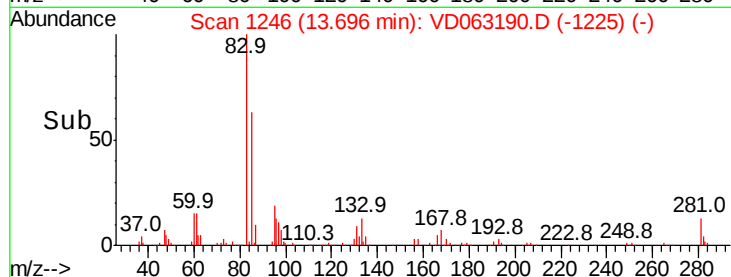
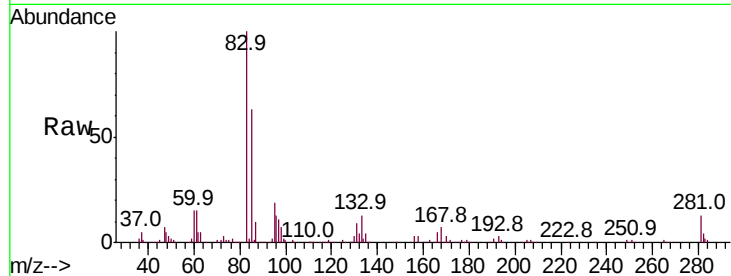
Tot Ion: 83 Resp: 423132

Ion Ratio Lower Upper

83 100

131 9.5 5.5 16.7

85 63.3 33.7 101.1



#76

1,2,3-Trichloropropane

Concen: 51.876 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063190.D

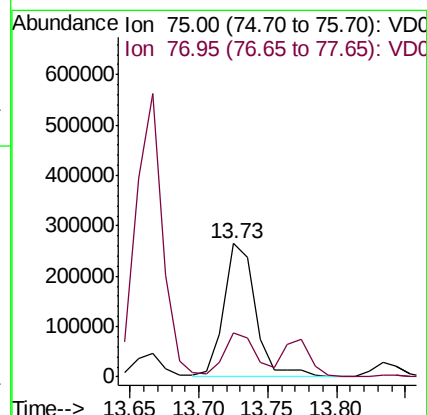
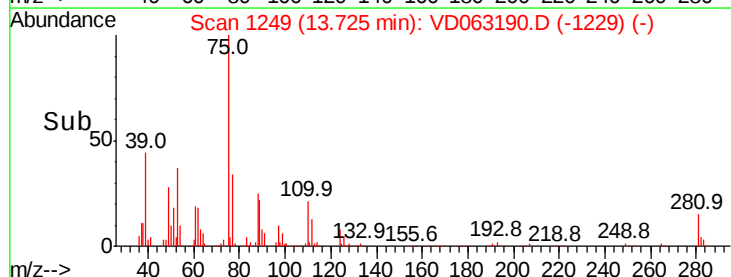
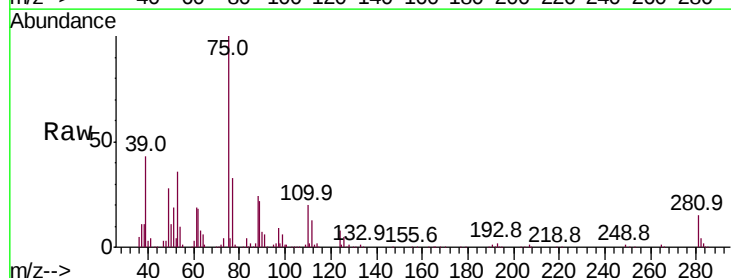
Acq: 29 Jul 2019 10:13

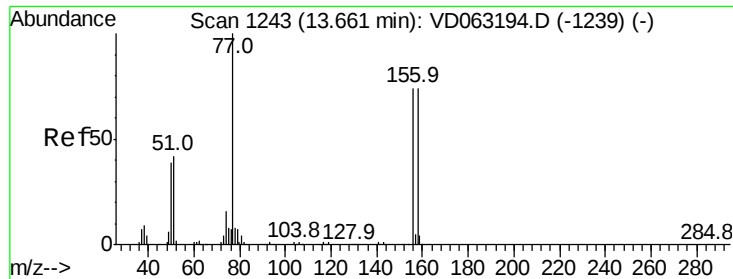
Tgt Ion: 75 Resp: 423308

Ion Ratio Lower Upper

75 100

77 33.0 16.0 48.0





#77

Bromobenzene

Concen: 51.270 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

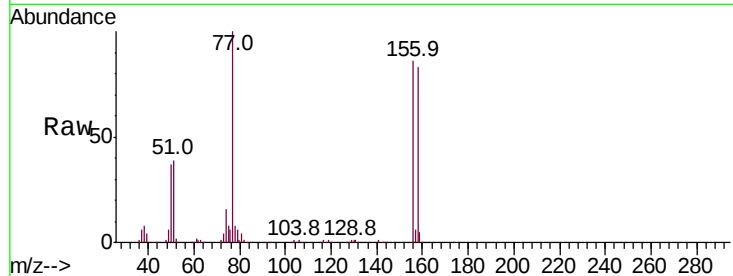
Tot Ion:156 Resp: 622747

Ion Ratio Lower Upper

156 100

77 116.1 67.6 202.8

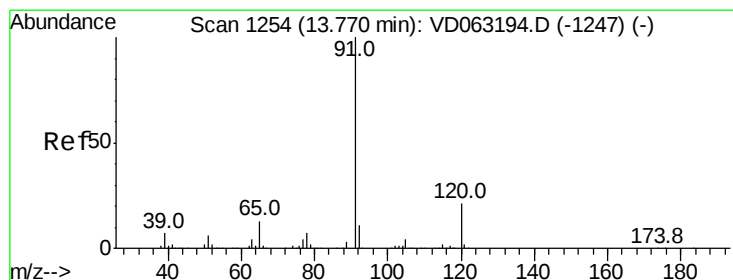
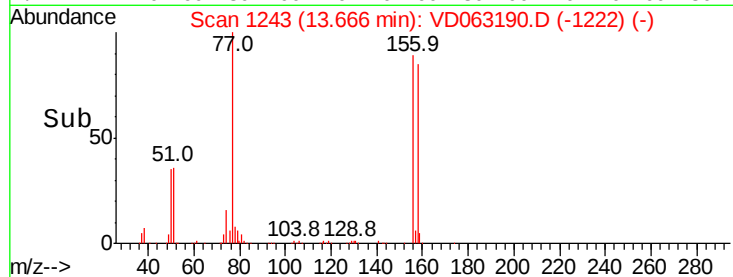
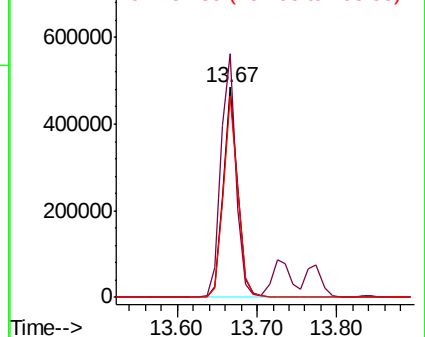
158 95.9 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.653 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063190.D

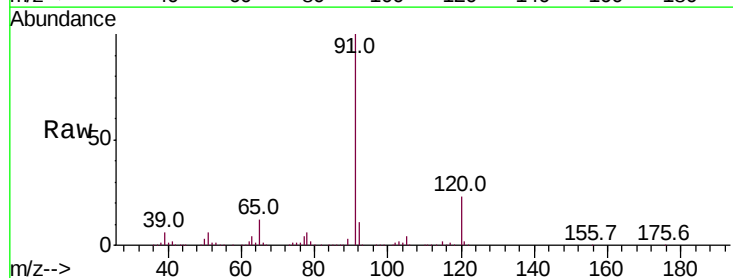
Acq: 29 Jul 2019 10:13

Tgt Ion: 91 Resp: 2519434

Ion Ratio Lower Upper

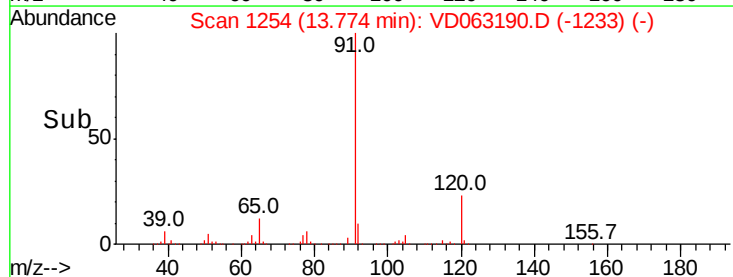
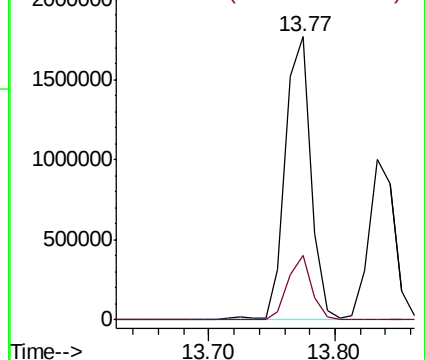
91 100

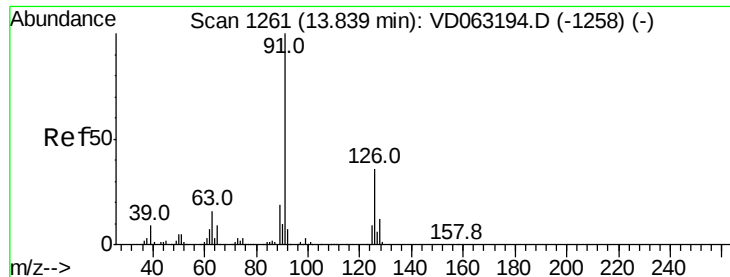
120 22.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.954 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

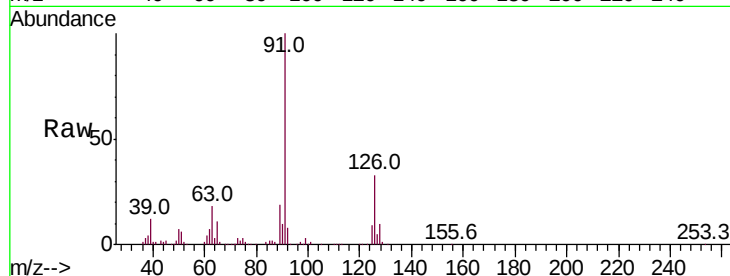
VSTDCCC050

Tot Ion: 91 Resp: 1409884

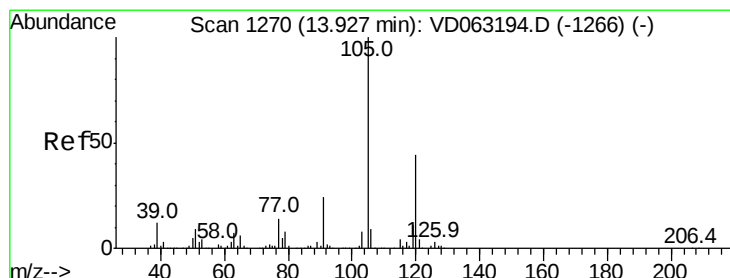
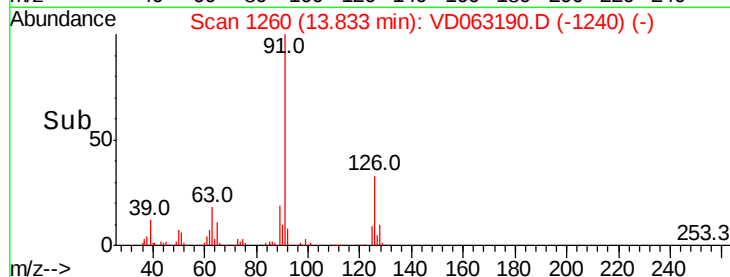
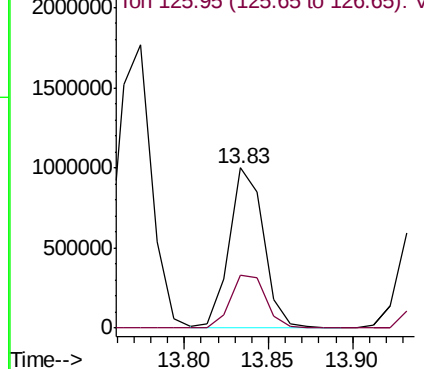
Ion Ratio Lower Upper

91 100

126 33.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063190.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.012 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063190.D

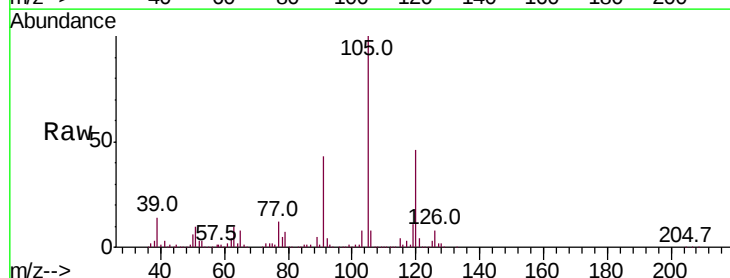
Acq: 29 Jul 2019 10:13

Tgt Ion:105 Resp: 1765675

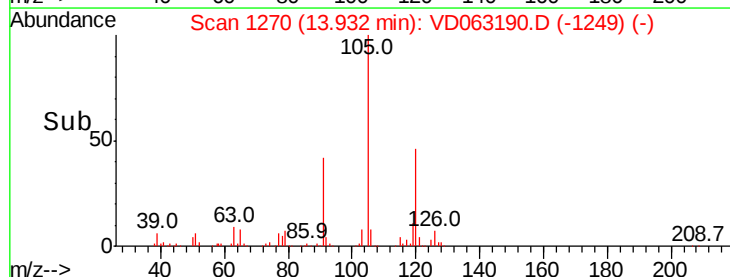
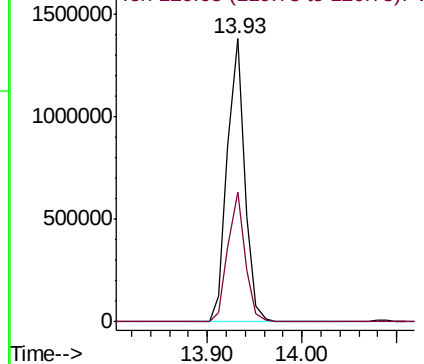
Ion Ratio Lower Upper

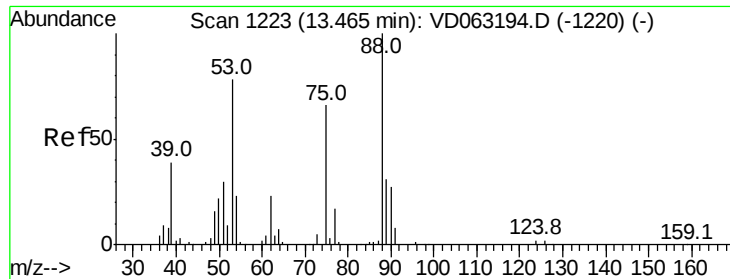
105 100

120 45.7 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063190.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.493 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

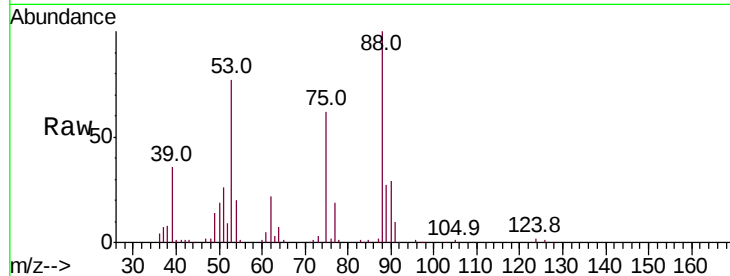
Tot Ion: 75 Resp: 118942

Ion Ratio Lower Upper

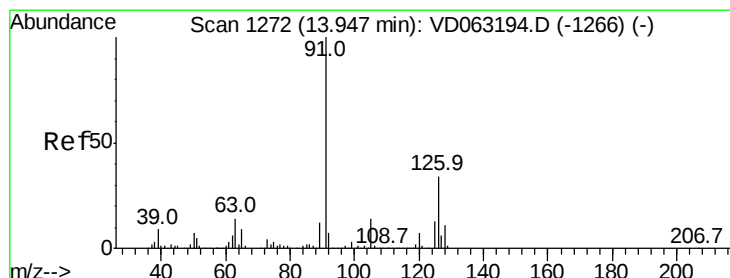
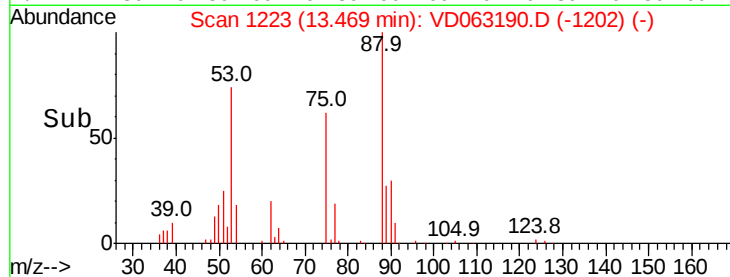
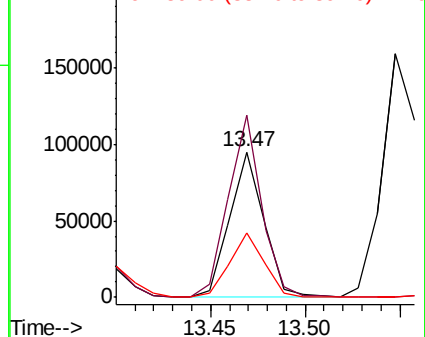
75 100

53 124.7 94.9 142.3

89 44.5 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.833 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063190.D

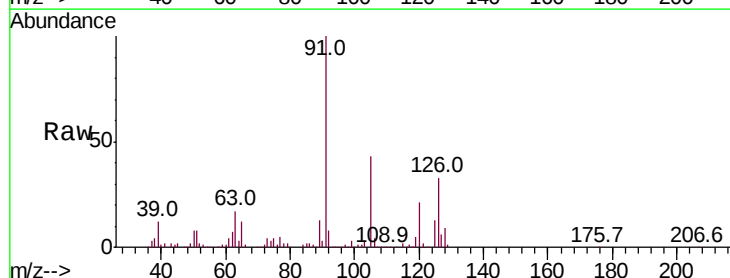
Acq: 29 Jul 2019 10:13

Tgt Ion: 91 Resp: 1689662

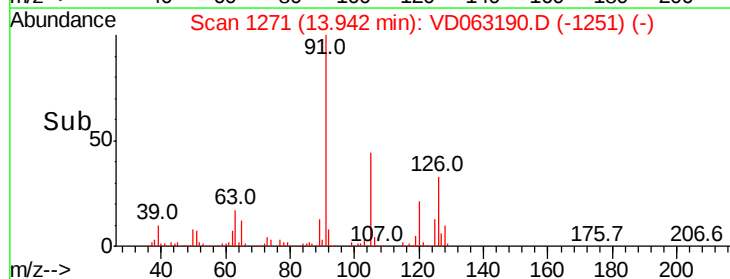
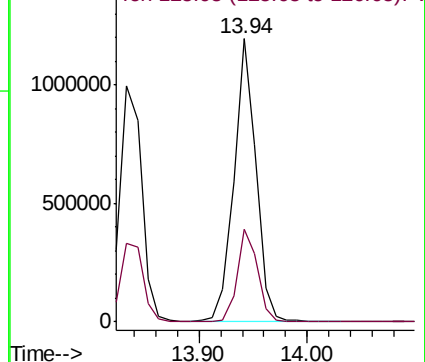
Ion Ratio Lower Upper

91 100

126 32.8 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 50.107 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

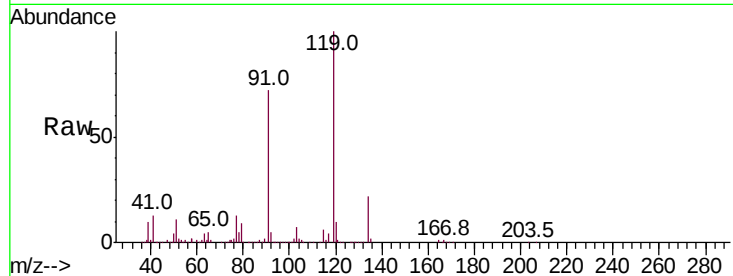
Tot Ion:119 Resp: 2104020

Ion Ratio Lower Upper

119 100

91 71.7 39.1 117.5

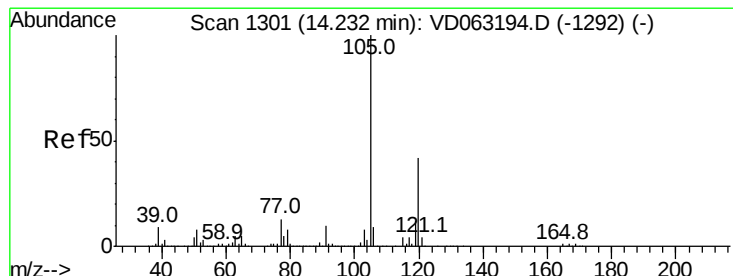
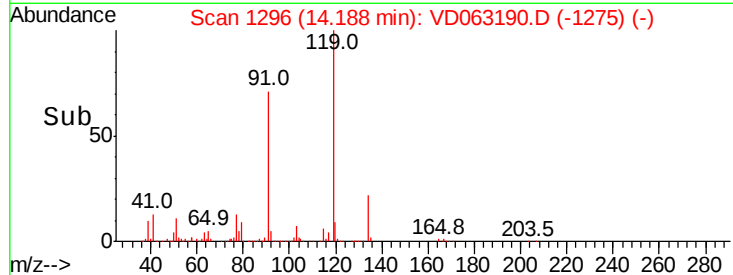
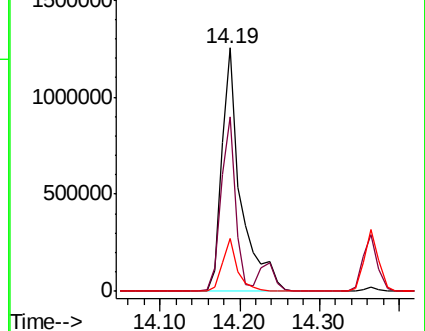
134 21.7 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.848 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063190.D

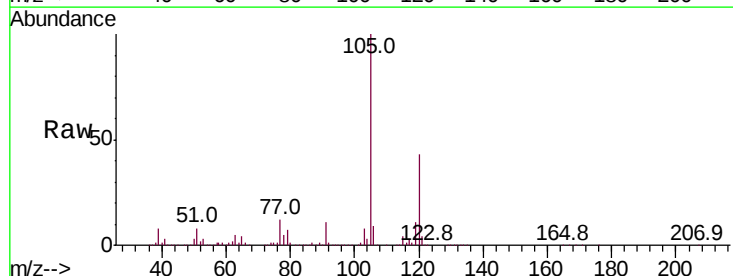
Acq: 29 Jul 2019 10:13

Tgt Ion:105 Resp: 1820054

Ion Ratio Lower Upper

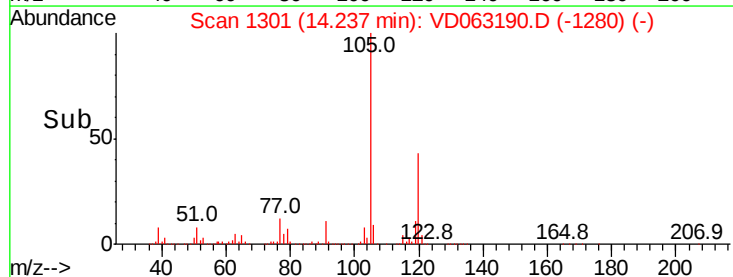
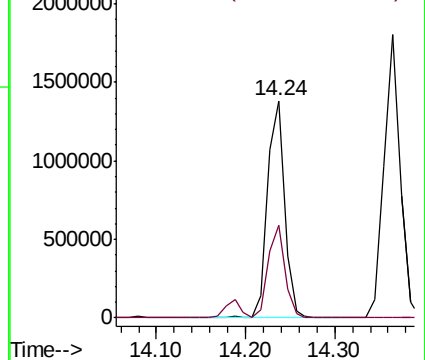
105 100

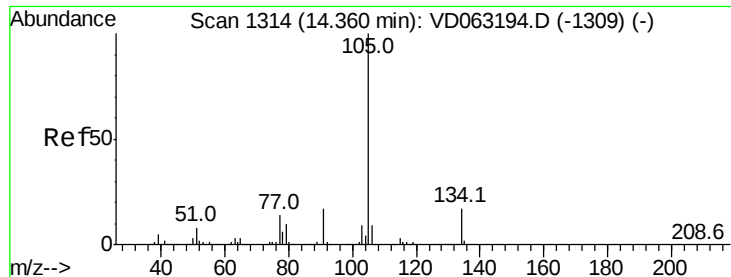
120 42.6 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.482 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

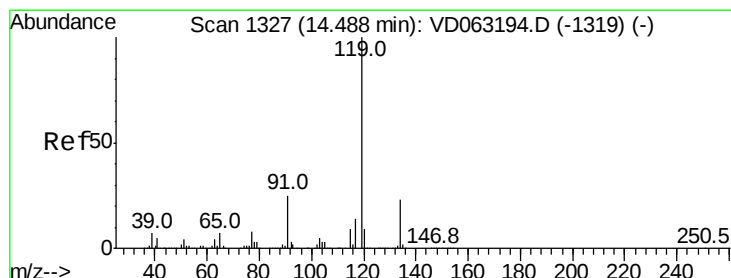
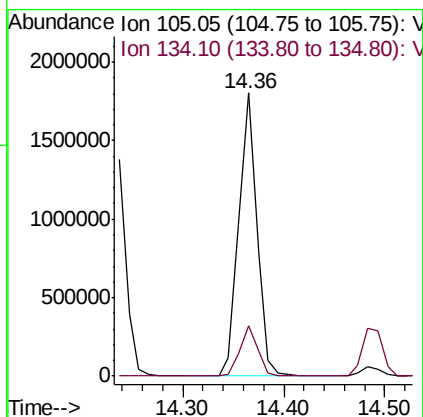
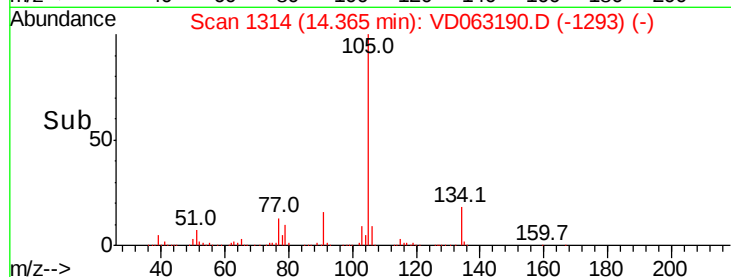
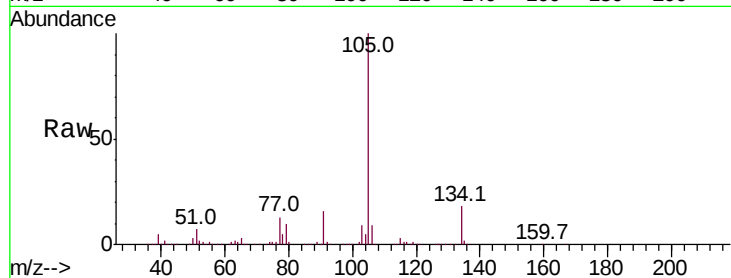
VSTDCCC050

Tot Ion:105 Resp: 2233359

Ion Ratio Lower Upper

105 100

134 17.6 8.3 24.9



#86

p-Isopropyltoluene

Concen: 45.777 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063190.D

Acq: 29 Jul 2019 10:13

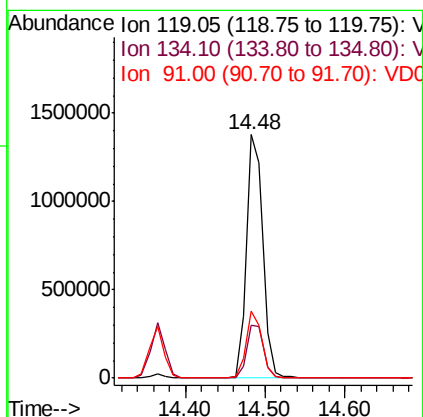
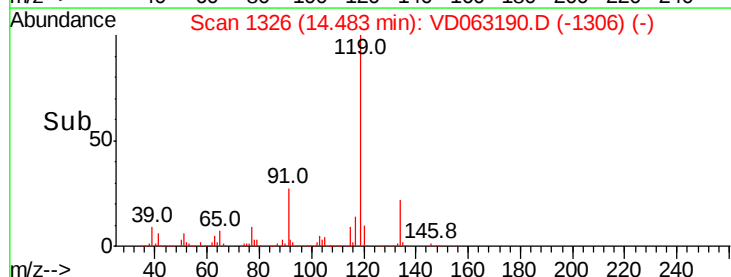
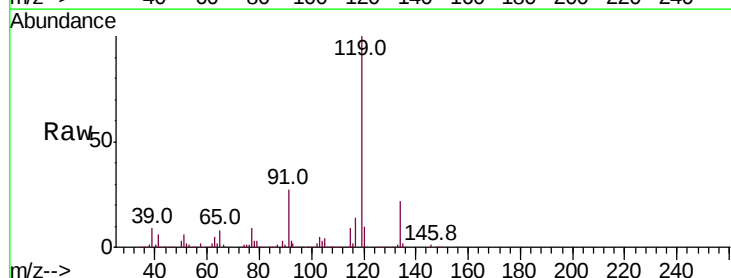
Tgt Ion:119 Resp: 1932938

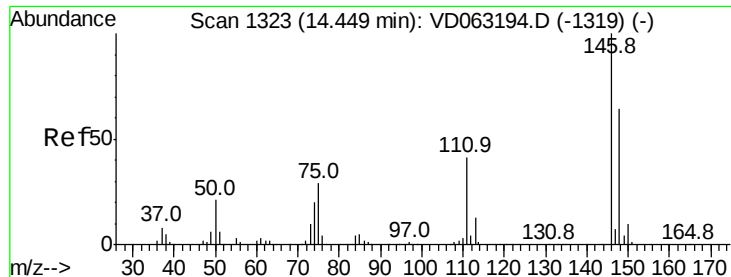
Ion Ratio Lower Upper

119 100

134 21.9 11.5 34.5

91 27.5 12.6 37.6

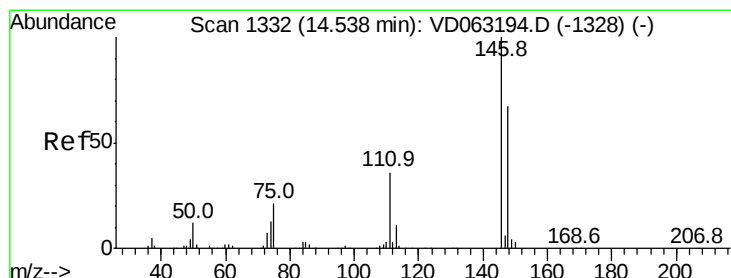
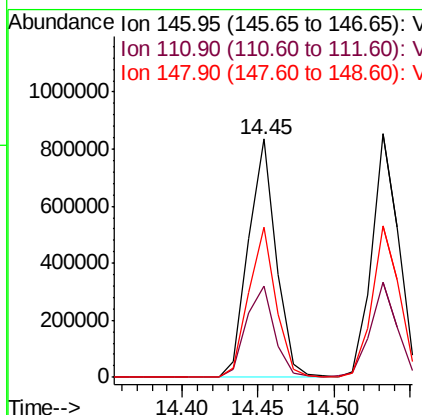
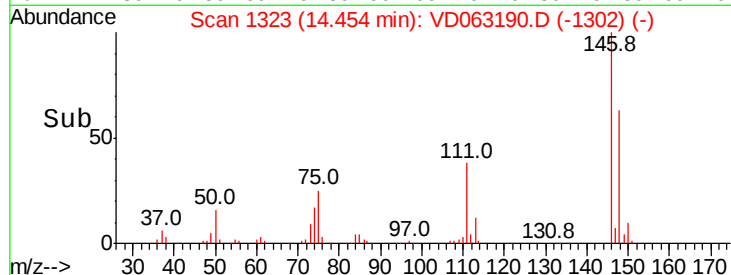
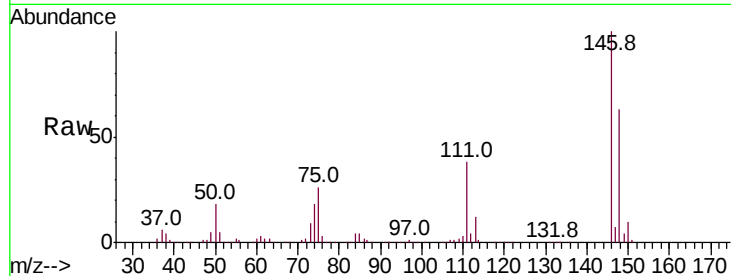




#87
 1,3-Dichlorobenzene
 Concen: 49.478 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

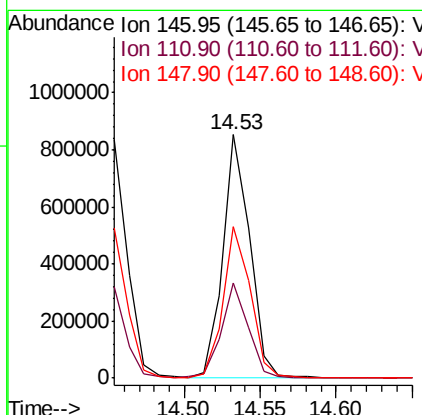
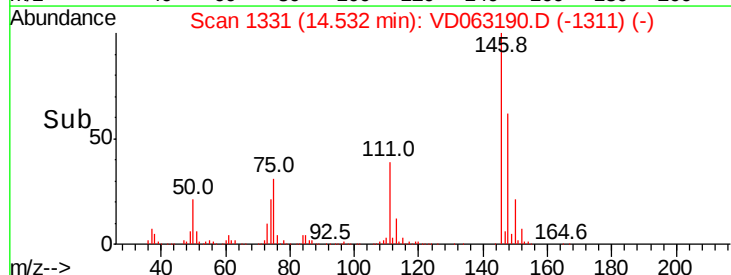
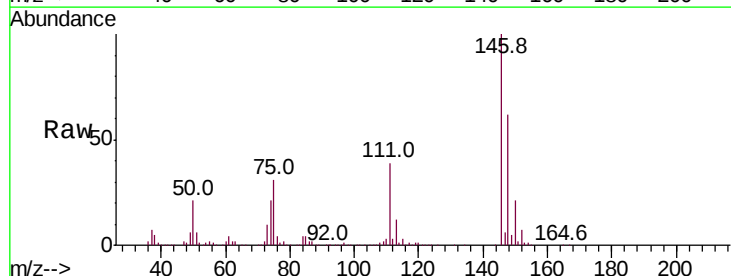
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

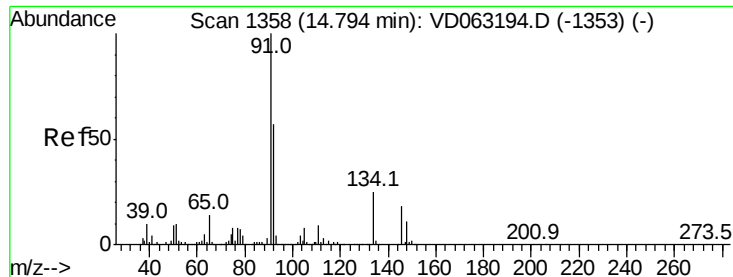
Tot Ion:146 Resp: 1064281
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.4 61.3
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.476 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Tgt Ion:146 Resp: 1054436
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.1 54.3
 148 62.2 33.4 100.1

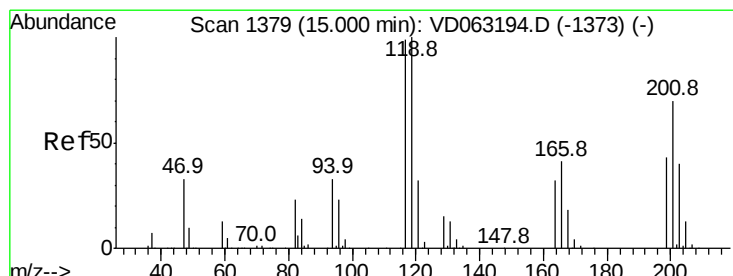
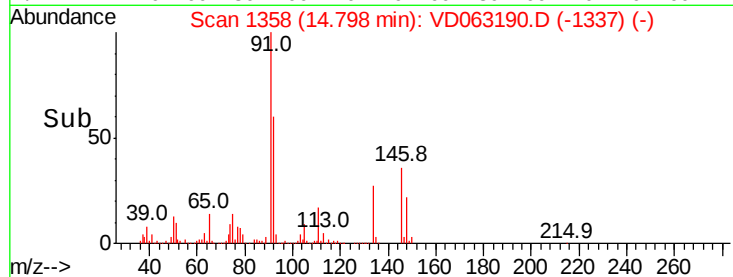
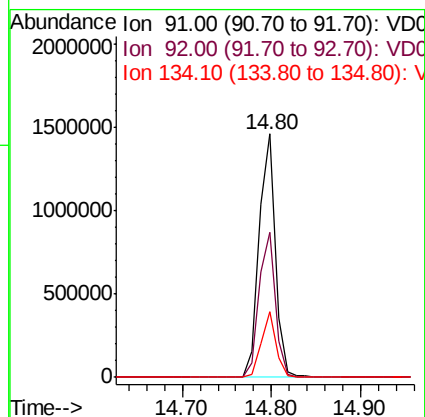
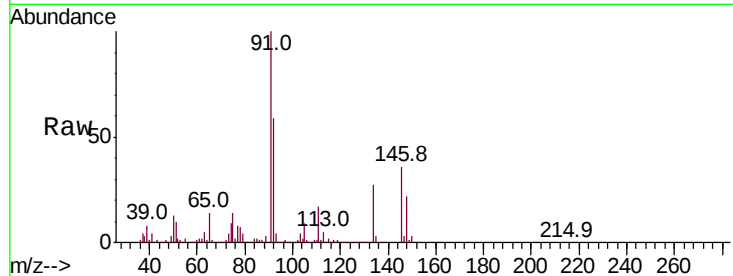




#89
n-Butylbenzene
Concen: 49.672 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

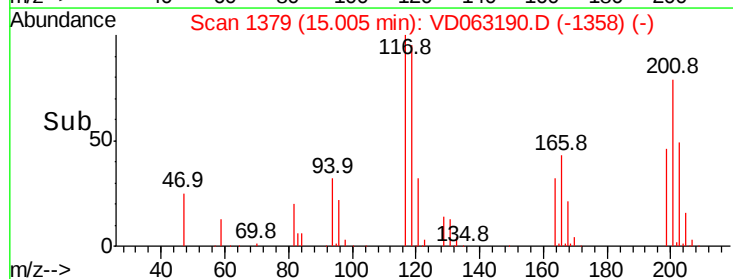
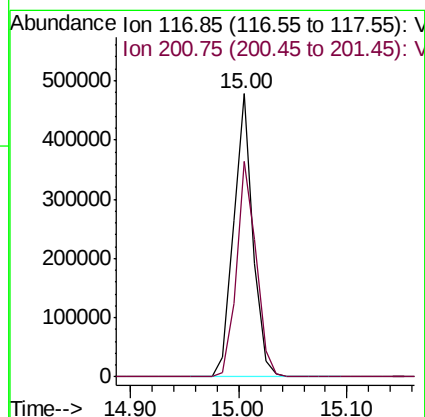
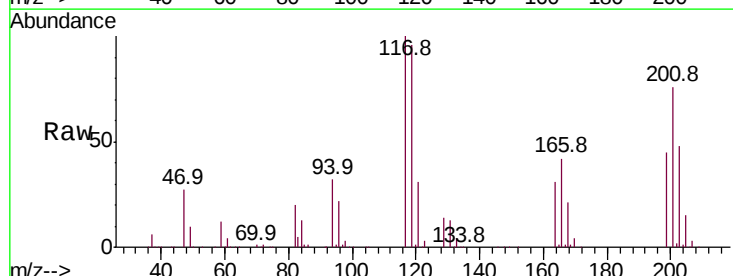
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

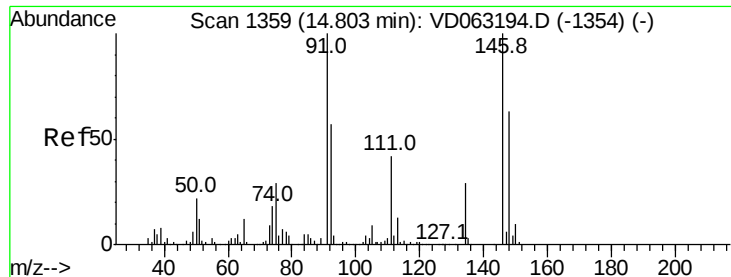
Tot Ion: 91 Resp: 1811538
Ion Ratio Lower Upper
91 100
92 59.5 28.3 85.0
134 26.9 12.3 36.8



#90
Hexachloroethane
Concen: 53.886 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion: 117 Resp: 592816
Ion Ratio Lower Upper
117 100
201 76.3 35.2 105.6

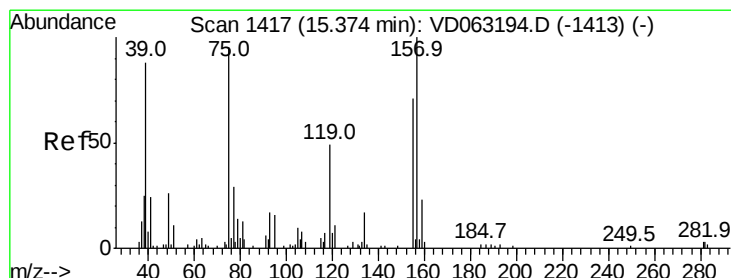
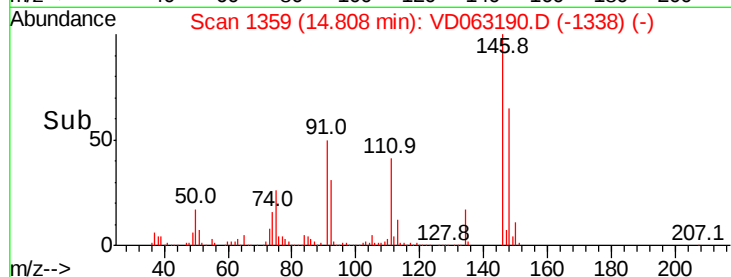
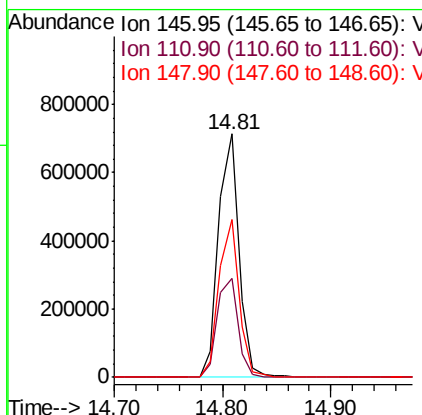
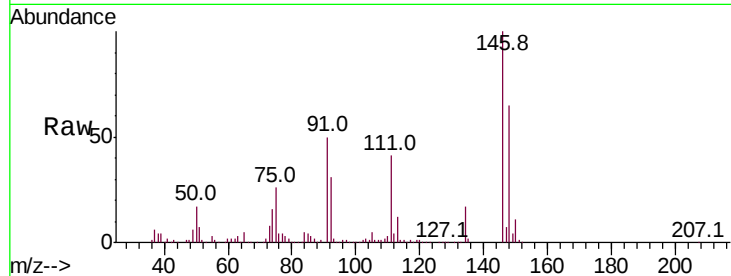




#91
 1,2-Dichlorobenzene
 Concen: 50.214 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

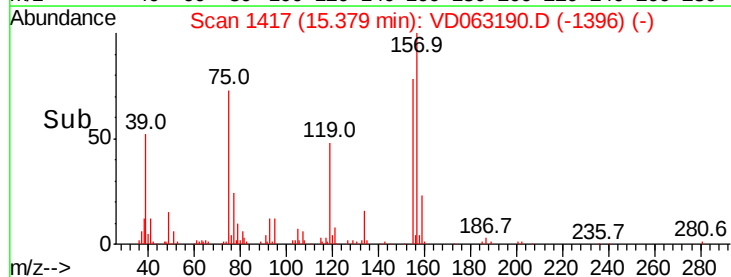
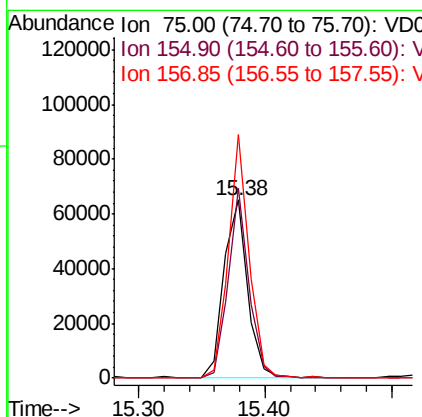
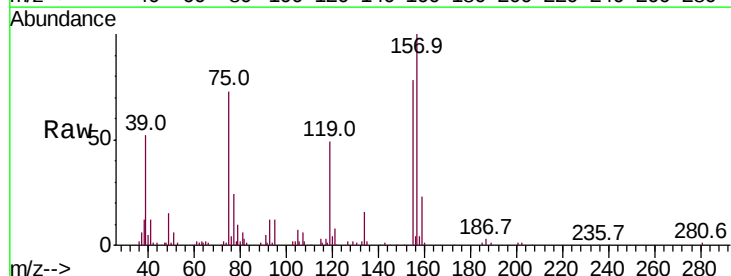
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

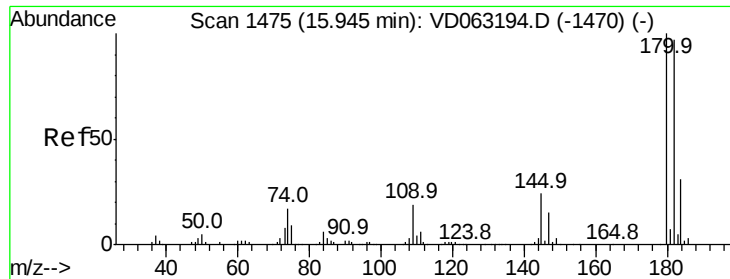
Tot Ion:146 Resp: 941082
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.1 63.3
 148 65.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.283 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Tgt Ion: 75 Resp: 84510
 Ion Ratio Lower Upper
 75 100
 155 106.9 37.0 111.0
 157 136.7 52.4 157.2

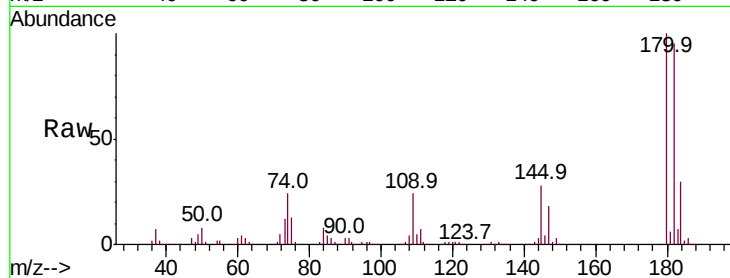




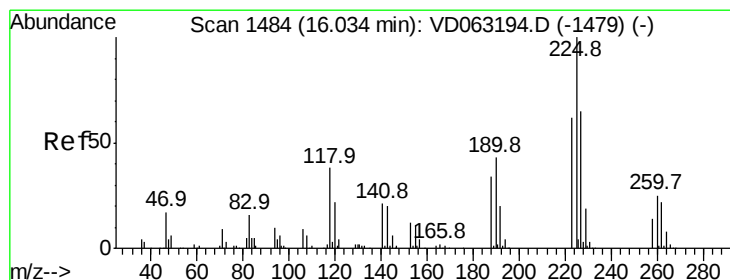
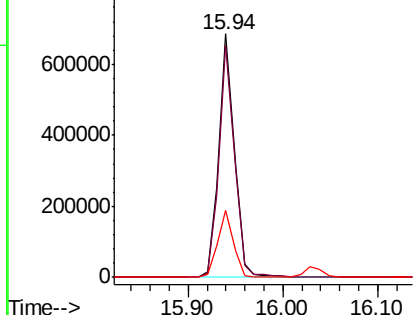
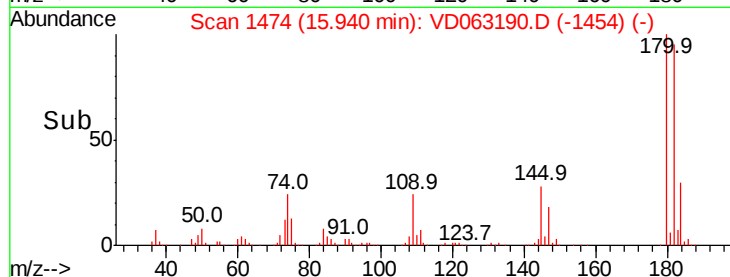
#93
 1,2,4-Trichlorobenzene
 Concen: 52.917 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 786764
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.6 145.8
 145 27.6 12.2 36.6

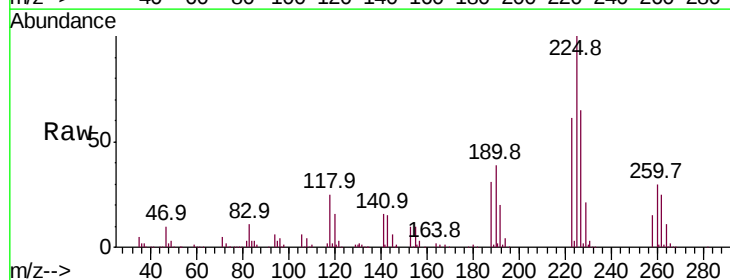


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

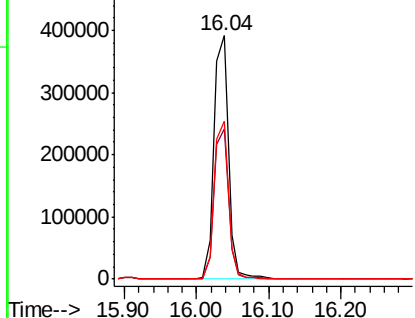
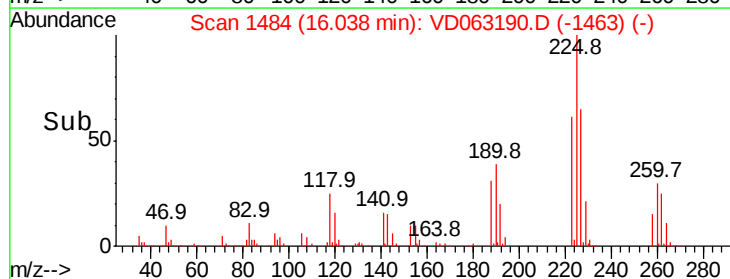


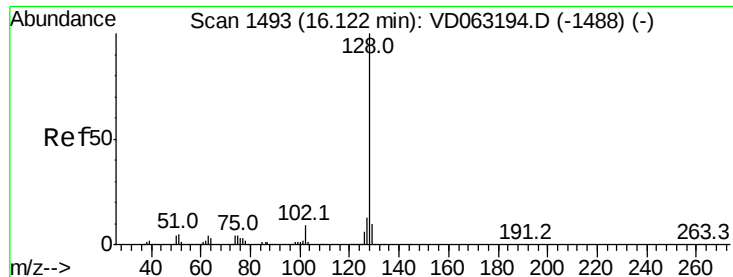
#94
 Hexachlorobutadiene
 Concen: 50.087 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063190.D
 Acq: 29 Jul 2019 10:13

Tgt Ion:225 Resp: 539656
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.9 92.5
 227 65.1 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

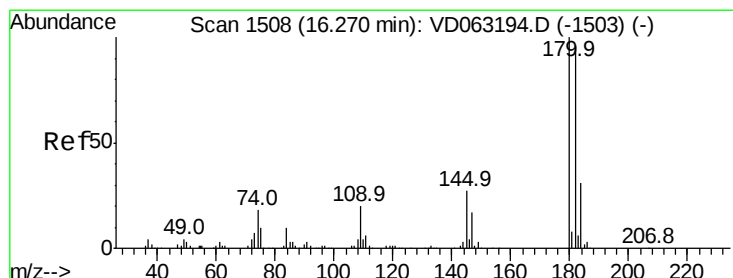
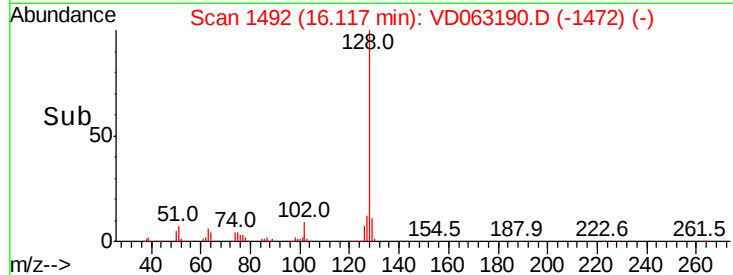
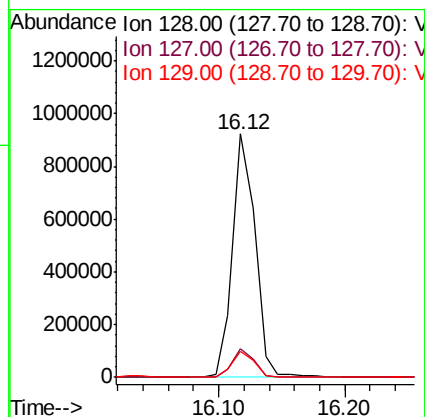
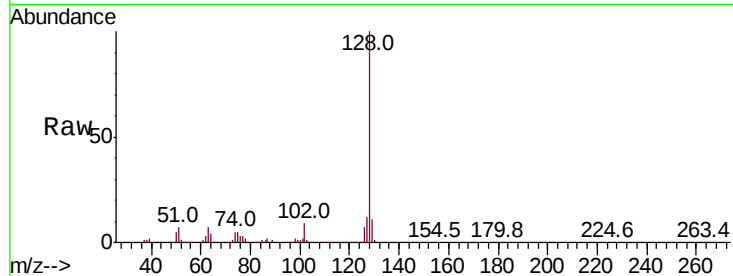




#95
Naphthalene
Concen: 54.206 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1139092
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 53.614 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063190.D
Acq: 29 Jul 2019 10:13

Tgt Ion:180 Resp: 629718
Ion Ratio Lower Upper
180 100
182 96.1 48.3 144.9
145 31.9 13.6 40.7

