

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063214.D
 Acq On : 29 Jul 2019 23:56
 Operator : VA/AP
 Sample : VD0729SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

Quant Time: Jul 30 04:02:24 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	926424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1314499	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1164114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	601648	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	592543	57.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.28%	
35) Dibromofluoromethane	6.92	113	637190	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	
50) Toluene-d8	10.40	98	1408704	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
62) 4-Bromofluorobenzene	13.55	95	607273	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	250994	22.164	ug/l	98
3) Chloromethane	1.74	50	208394	23.686	ug/l #	87
4) Vinyl Chloride	1.84	62	174169	19.122	ug/l	92
5) Bromomethane	2.14	94	87019	18.943	ug/l	90
6) Chloroethane	2.25	64	84513	20.097	ug/l	98
7) Trichlorofluoromethane	2.52	101	363672	20.581	ug/l	93
8) Diethyl Ether	2.86	74	54095	21.875	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	207723	21.222	ug/l	97
10) Methyl Iodide	3.30	142	274985	19.447	ug/l	93
11) Tert butyl alcohol	4.07	59	45685	101.271	ug/l	95
12) 1,1-Dichloroethene	3.12	96	157434	21.909	ug/l	81
13) Acrolein	3.03	56	45257	104.241	ug/l	90
14) Allyl chloride	3.61	41	246581	21.541	ug/l	97
15) Acrylonitrile	4.19	53	127919	109.374	ug/l	96
16) Acetone	3.22	43	189996	94.862	ug/l	93
17) Carbon Disulfide	3.36	76	514038	21.373	ug/l	97
18) Methyl Acetate	3.64	43	99873	25.960	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	383604	23.633	ug/l	96
20) Methylene Chloride	3.81	84	179918	22.224	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	166206	20.614	ug/l	94
22) Diisopropyl ether	5.12	45	519250	22.704	ug/l #	98
23) Vinyl Acetate	5.05	43	1496494	106.450	ug/l	100
24) 1,1-Dichloroethane	4.98	63	323668	22.156	ug/l	98
25) 2-Butanone	6.07	43	207955	103.458	ug/l	99
26) 2,2-Dichloropropane	6.01	77	298720	19.843	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	191273	22.127	ug/l	95
28) Bromochloromethane	6.44	49	125171	21.506	ug/l #	99
29) Tetrahydrofuran	6.45	42	99809	104.880	ug/l	99
30) Chloroform	6.66	83	406821	22.440	ug/l	96
31) Cyclohexane	6.96	56	189017	20.643	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	351068	20.020	ug/l	97
36) 1,1-Dichloropropene	7.14	75	251544	20.968	ug/l	95
37) Ethyl Acetate	6.18	43	106465	19.754	ug/l #	93
38) Carbon Tetrachloride	7.10	117	362409	20.067	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	203958	20.406	ug/l	90
40) Benzene	7.45	78	530470	21.099	ug/l	96
41) Methacrylonitrile	6.45	41	133823	20.758	ug/l #	77
42) 1,2-Dichloroethane	7.57	62	295863	22.204	ug/l	99
43) Isopropyl Acetate	9.23	43	133280	19.359	ug/l #	94
44) Trichloroethene	8.53	130	206414	20.261	ug/l	80
45) 1,2-Dichloropropane	8.94	63	140108	21.924	ug/l	96
46) Dibromomethane	9.05	93	117004	22.020	ug/l	95
47) Bromodichloromethane	9.37	83	301571	22.264	ug/l	92
48) Methyl methacrylate	9.11	41	101868	22.814	ug/l	91
49) 1,4-Dioxane	9.06	88	17035	448.103	ug/l #	58
51) 4-Methyl-2-Pentanone	10.29	43	506783	108.239	ug/l	97
52) Toluene	10.50	92	347306	20.769	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	237252	20.317	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	277615	22.620	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	123014	21.781	ug/l	93
56) Ethyl methacrylate	11.03	69	131457	21.256	ug/l	95
57) 1,3-Dichloropropane	11.41	76	195257	21.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	343974	106.892	ug/l	97
59) 2-Hexanone	11.53	43	330404	97.924	ug/l	96
60) Dibromochloromethane	11.68	129	244930	22.973	ug/l	92
61) 1,2-Dibromoethane	11.80	107	151668	21.764	ug/l	96
64) Tetrachloroethene	11.25	164	184262	19.869	ug/l	97
65) Chlorobenzene	12.39	112	485748	21.694	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	220835	22.390	ug/l	97
67) Ethyl Benzene	12.52	91	824194	21.668	ug/l	99
68) m/p-Xylenes	12.67	106	562545	40.327	ug/l	99
69) o-Xylene	13.04	106	249663	19.490	ug/l	96
70) Styrene	13.07	104	452631	19.924	ug/l	99
71) Bromoform	13.23	173	143184	19.963	ug/l	99
73) Isopropylbenzene	13.40	105	811210	21.483	ug/l	99
74) N-amyl acetate	13.26	43	196489	19.683	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	136131	21.223	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	160728	22.241	ug/l	99
77) Bromobenzene	13.67	156	224776	20.896	ug/l	86
78) n-propylbenzene	13.77	91	922461	20.528	ug/l	96
79) 2-Chlorotoluene	13.84	91	554000	21.277	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	703657	21.605	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	35833	17.857	ug/l	97
82) 4-Chlorotoluene	13.95	91	667476	21.782	ug/l	97
83) tert-Butylbenzene	14.18	119	698672	18.788	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	680539	20.202	ug/l	98
85) sec-Butylbenzene	14.36	105	766402	19.561	ug/l	99
86) p-Isopropyltoluene	14.49	119	694421	18.570	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	400460	21.022	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	382690	19.866	ug/l	94
89) n-Butylbenzene	14.79	91	667968	20.681	ug/l	96
90) Hexachloroethane	15.00	117	197359	20.257	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	343603	20.702	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25927	19.844	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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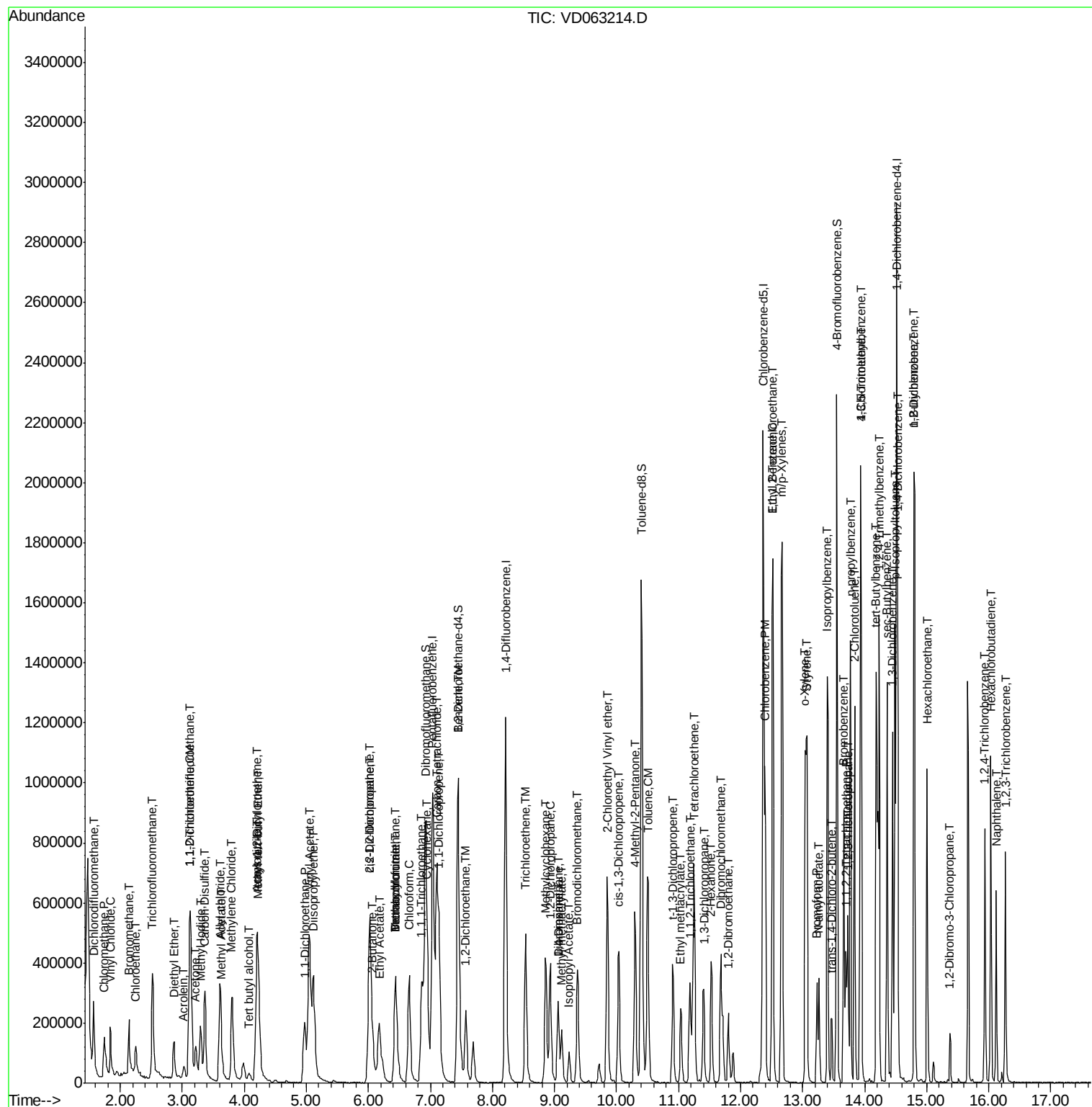
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	237377	18.028	ug/l	97
94) Hexachlorobutadiene	16.03	225	180618	18.929	ug/l	98
95) Naphthalene	16.12	128	392736	21.103	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	204876	19.696	ug/l	96

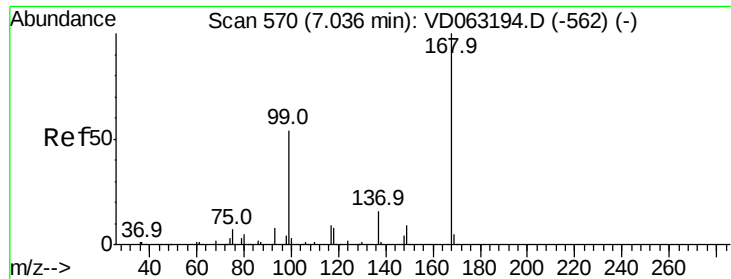
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Quant Time: Jul 30 04:02:24 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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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: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

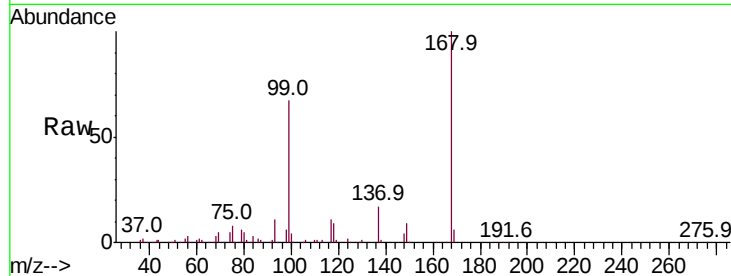
VD0729SBS02

Tot Ion:168 Resp: 926424

Ion Ratio Lower Upper

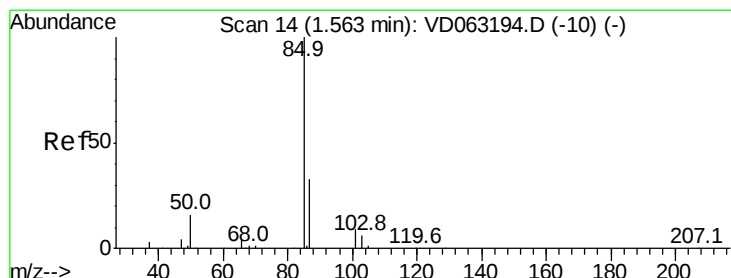
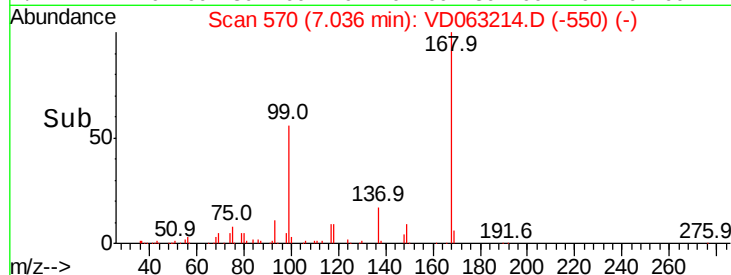
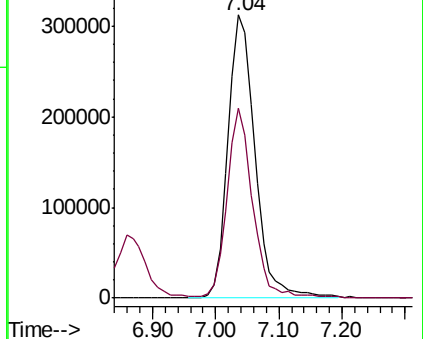
168 100

99 66.9 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: 22.164 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063214.D

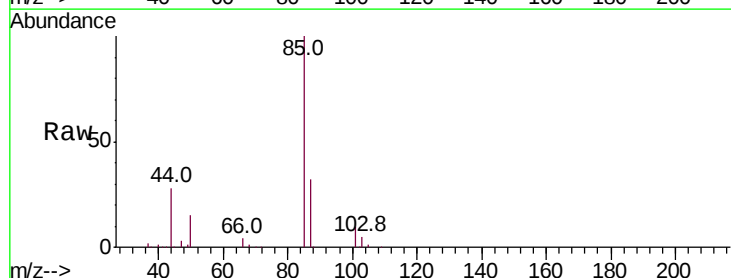
Acq: 29 Jul 2019 23:56

Tgt Ion: 85 Resp: 250994

Ion Ratio Lower Upper

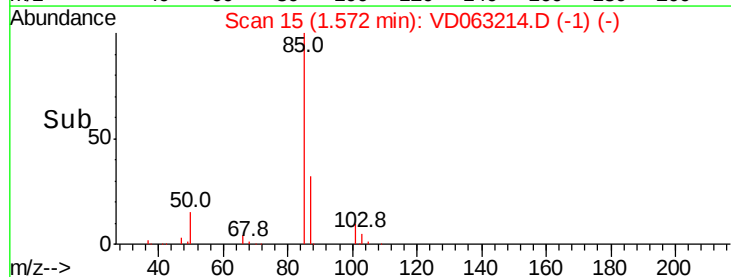
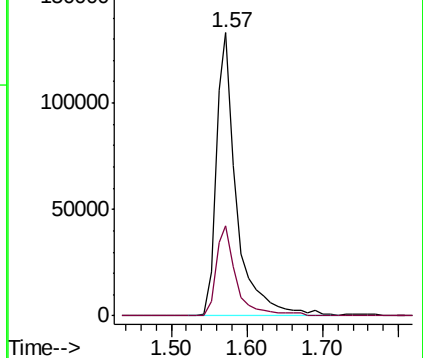
85 100

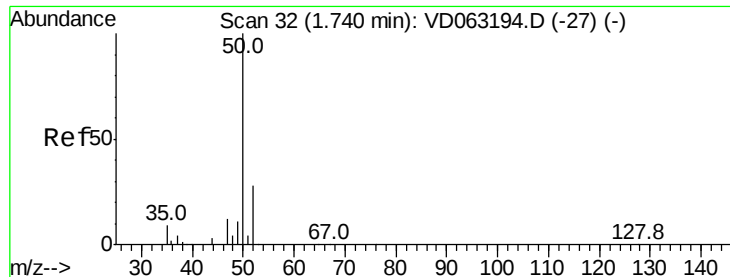
87 31.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.686 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

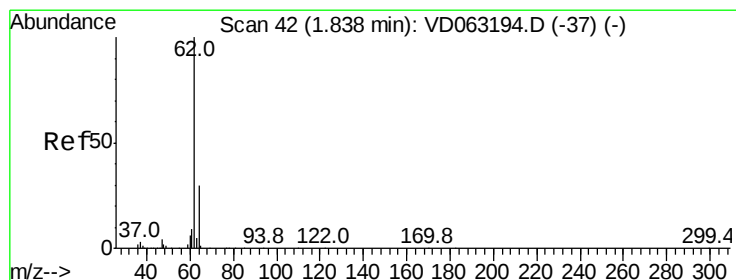
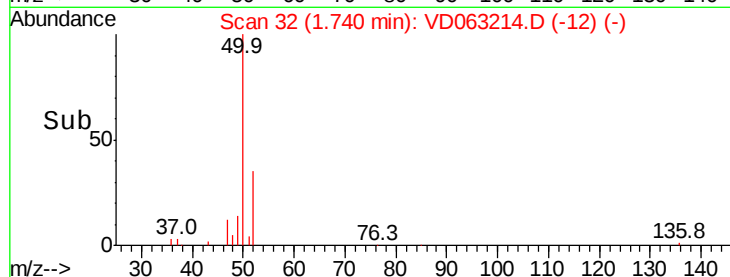
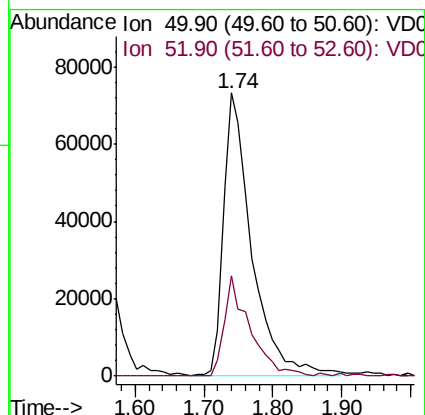
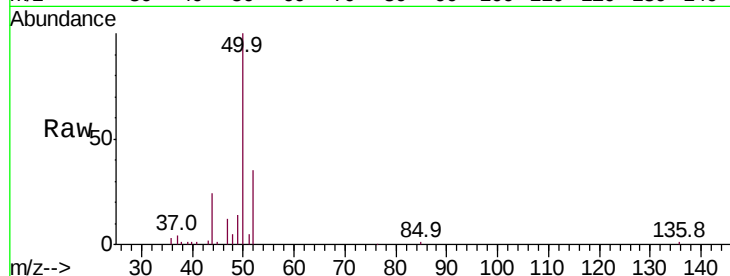
VD0729SBS02

Tot Ion: 50 Resp: 208394

Ion Ratio Lower Upper

50 100

52 35.3 22.6 34.0#



#4

Vinyl Chloride

Concen: 19.122 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063214.D

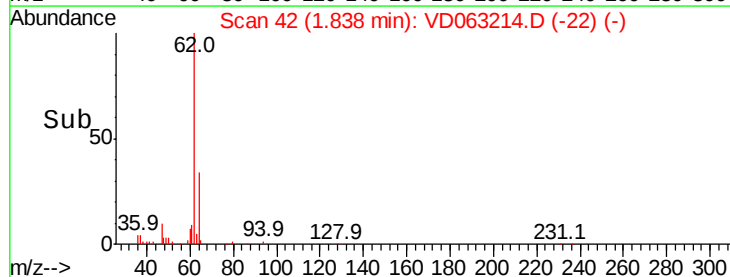
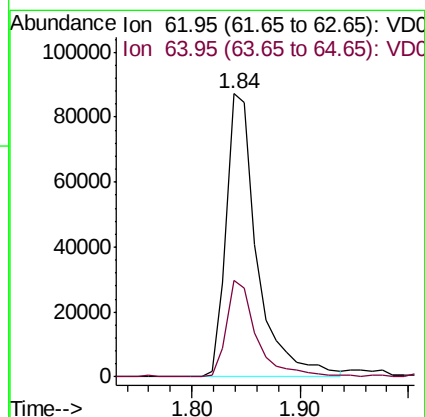
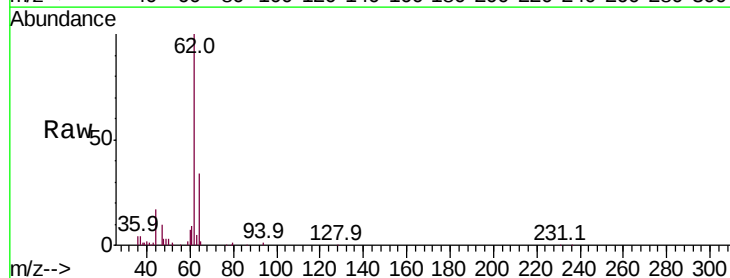
Acq: 29 Jul 2019 23:56

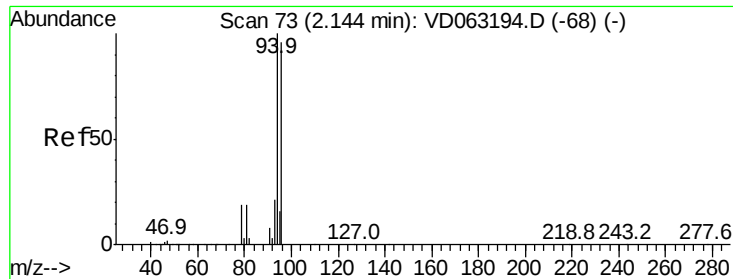
Tgt Ion: 62 Resp: 174169

Ion Ratio Lower Upper

62 100

64 34.3 24.1 36.1





#5

Bromomethane

Concen: 18.943 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

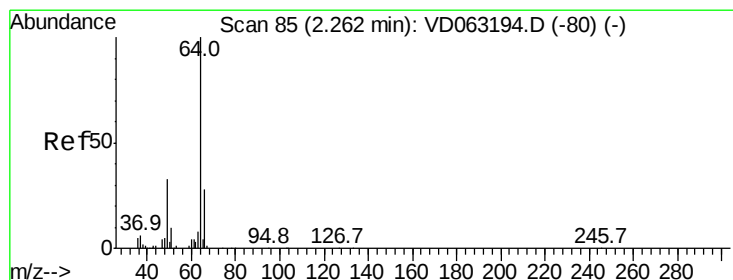
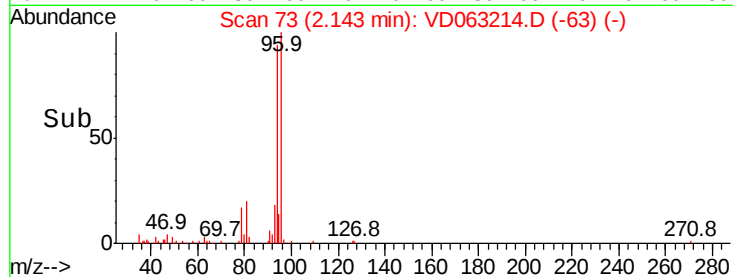
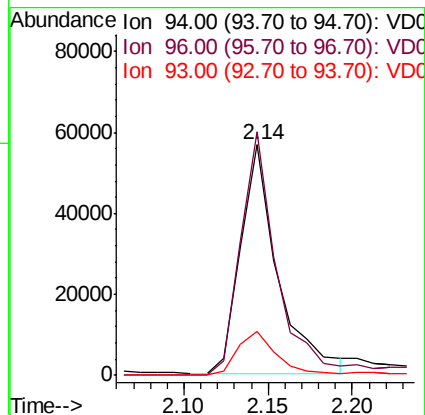
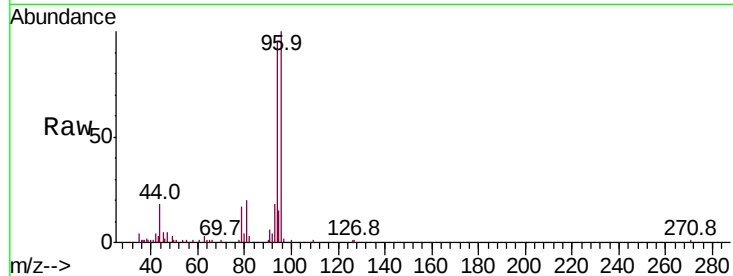
Tot Ion: 94 Resp: 87019

Ion Ratio Lower Upper

94 100

96 105.7 76.4 114.6

93 18.9 17.3 25.9



#6

Chloroethane

Concen: 20.097 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063214.D

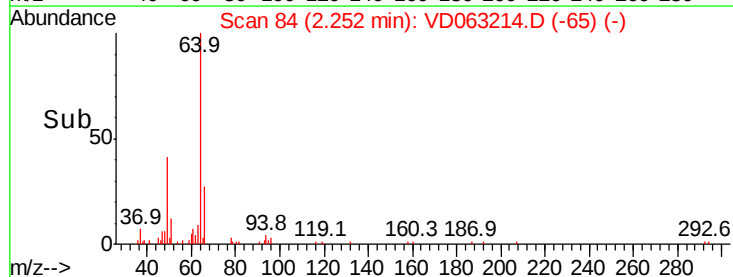
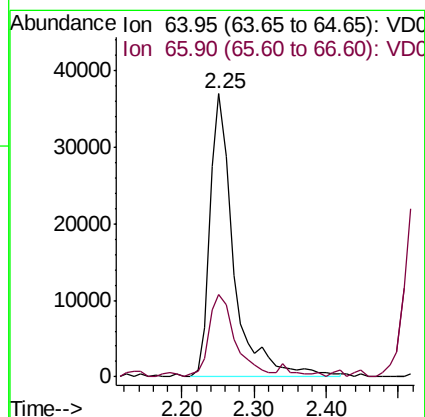
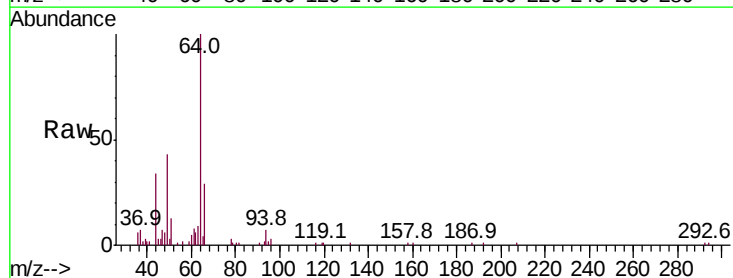
Acq: 29 Jul 2019 23:56

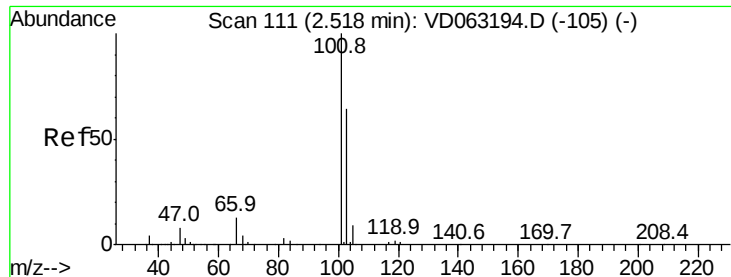
Tgt Ion: 64 Resp: 84513

Ion Ratio Lower Upper

64 100

66 28.9 22.2 33.2



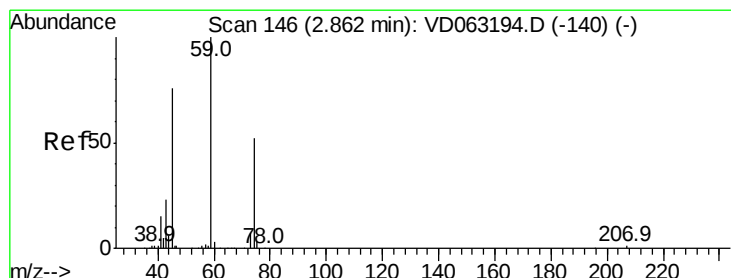
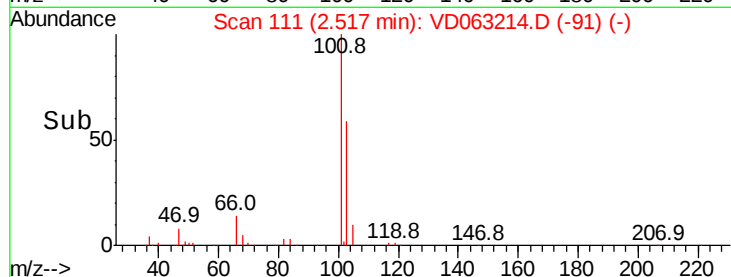
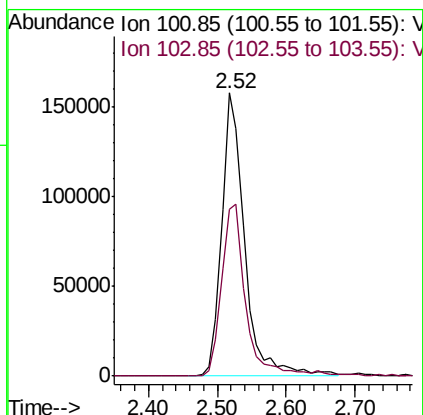
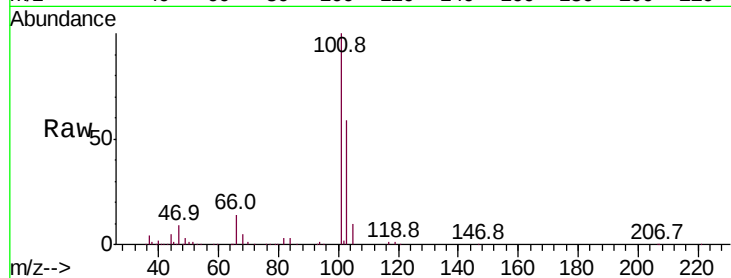


#7

Trichlorofluoromethane
Concen: 20.581 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063214.D
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Instrument :
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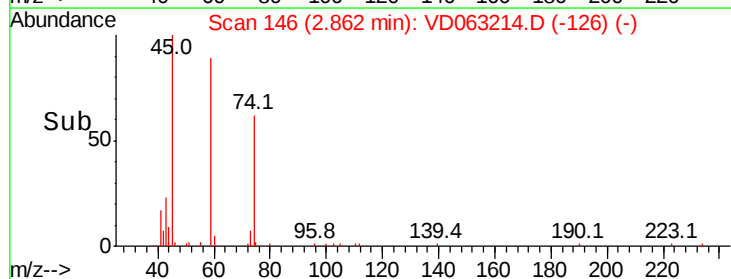
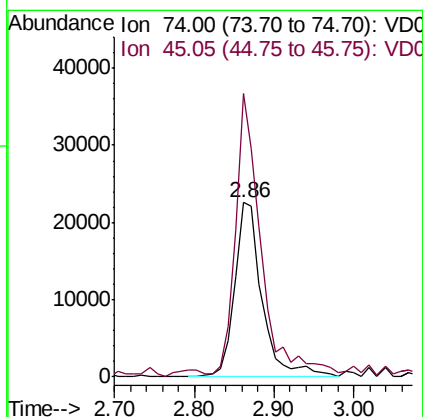
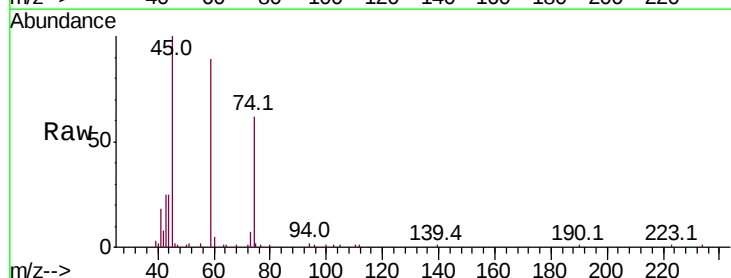
Tot Ion:101 Resp: 363672
Ion Ratio Lower Upper
101 100
103 59.2 51.5 77.3

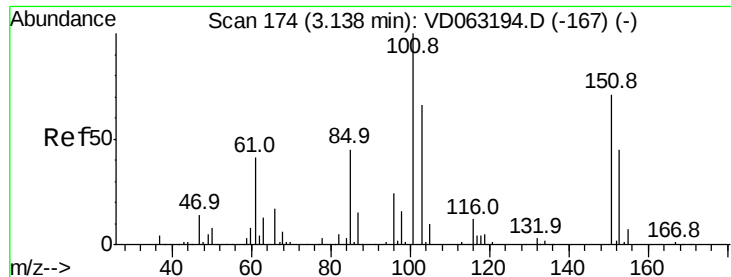


#8

Diethyl Ether
Concen: 21.875 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 74 Resp: 54095
Ion Ratio Lower Upper
74 100
45 162.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.222 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

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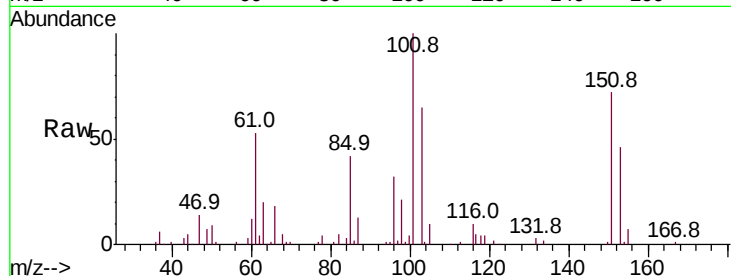
Tot Ion:101 Resp: 207723

Ion Ratio Lower Upper

101 100

85 42.1 36.1 54.1

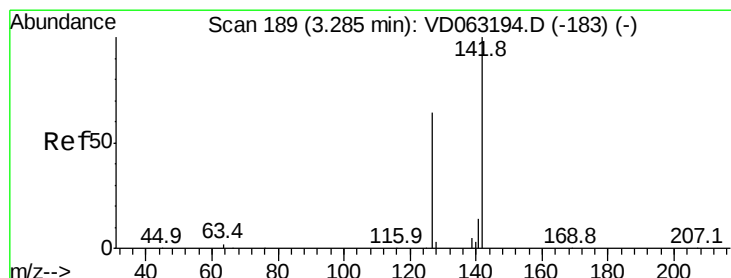
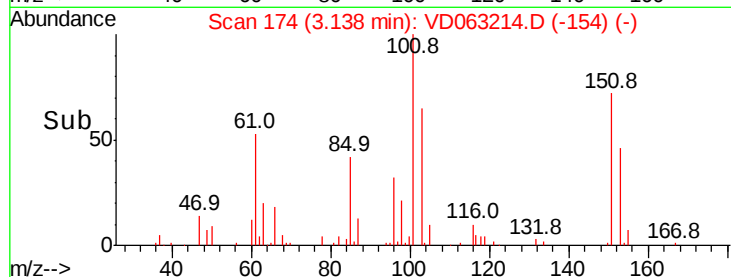
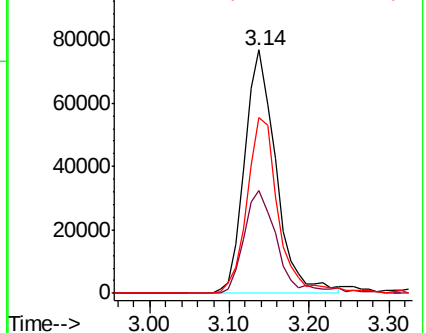
151 72.4 57.1 85.7



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: 19.447 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

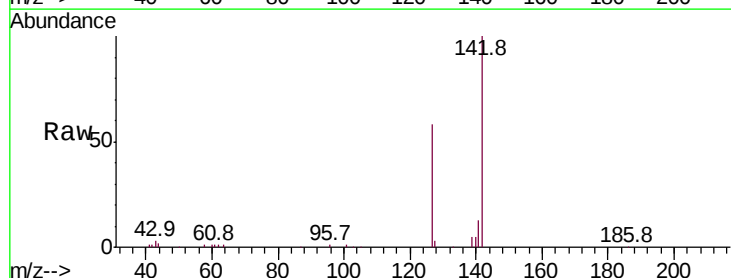
Tgt Ion:142 Resp: 274985

Ion Ratio Lower Upper

142 100

127 57.8 50.8 76.2

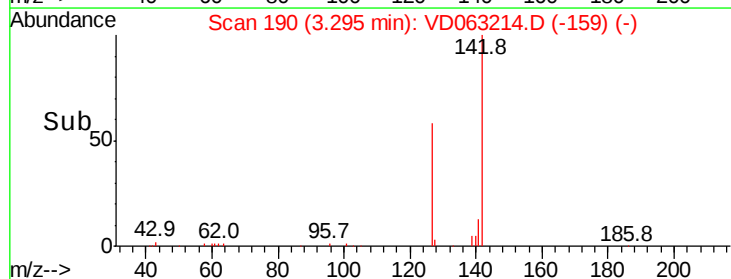
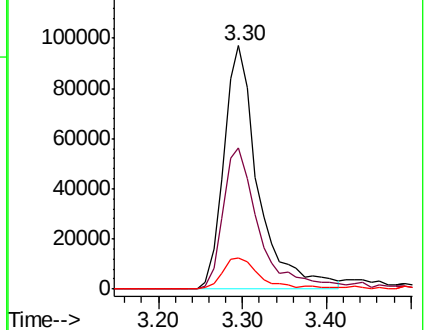
141 12.6 11.4 17.2

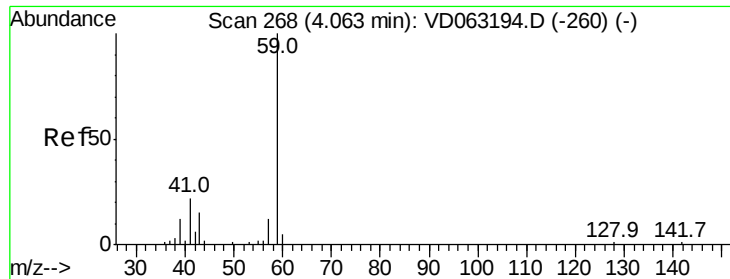


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



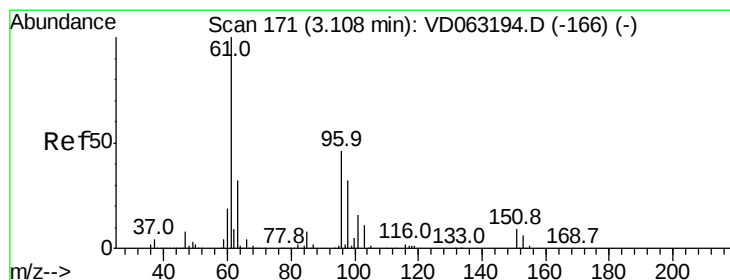
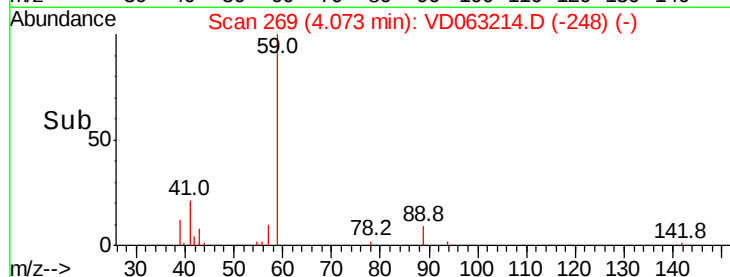
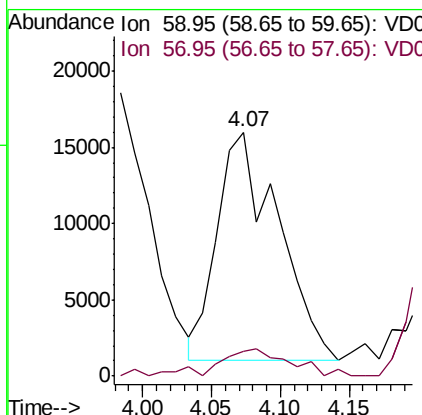
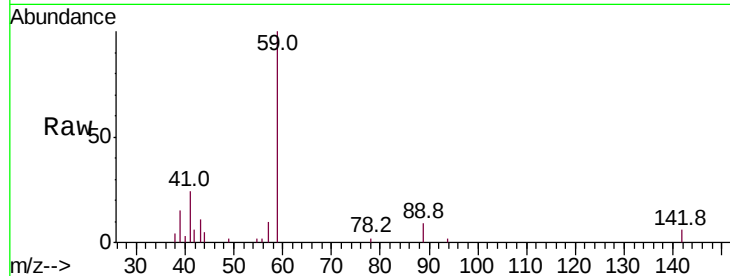


#11

Tert butyl alcohol
Concen: 101.271 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

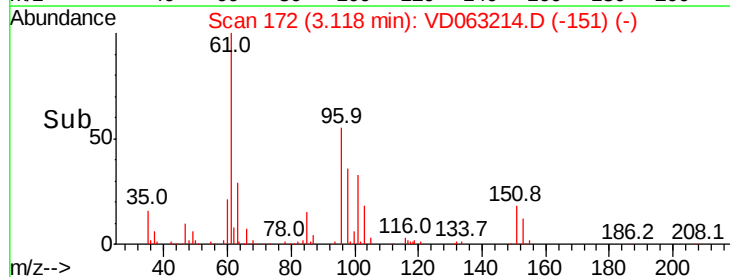
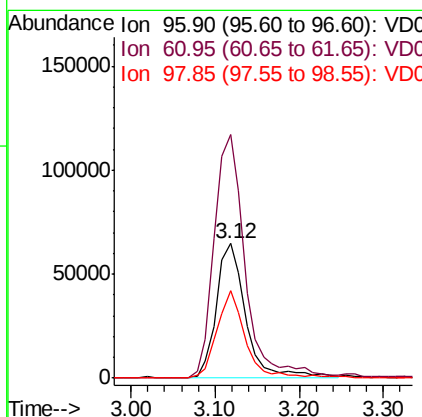
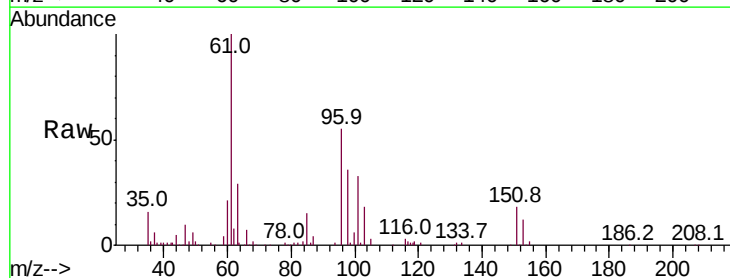
Tot Ion: 59 Resp: 45685
Ion Ratio Lower Upper
59 100
57 10.0 9.6 14.4

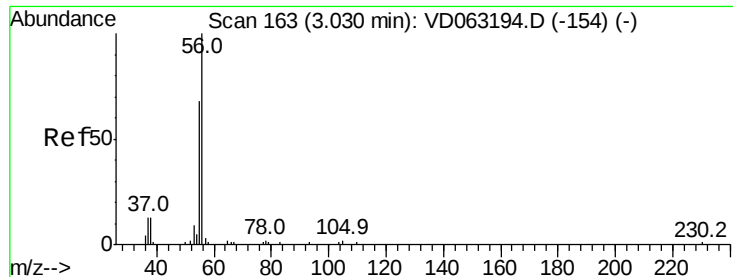


#12

1,1-Dichloroethene
Concen: 21.909 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 96 Resp: 157434
Ion Ratio Lower Upper
96 100
61 180.9 173.7 260.5
98 64.9 55.8 83.8





#13

Acrolein

Concen: 104.241 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

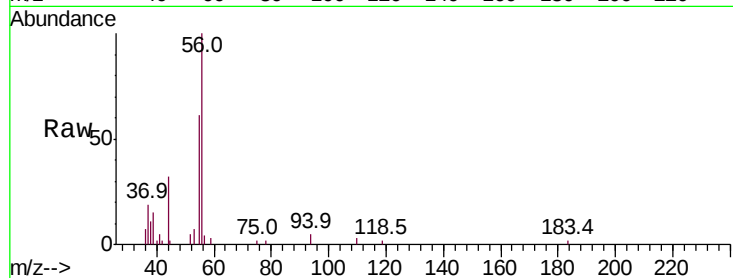
VD0729SBS02

Tot Ion: 56 Resp: 45257

Ion Ratio Lower Upper

56 100

55 60.9 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

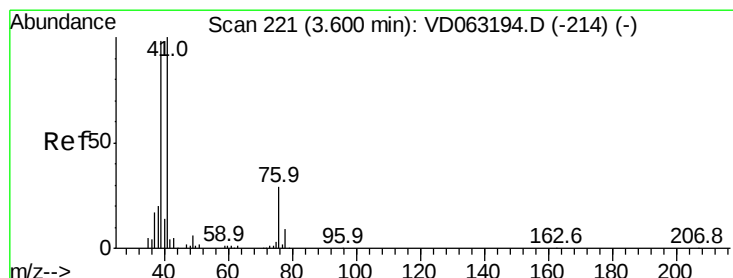
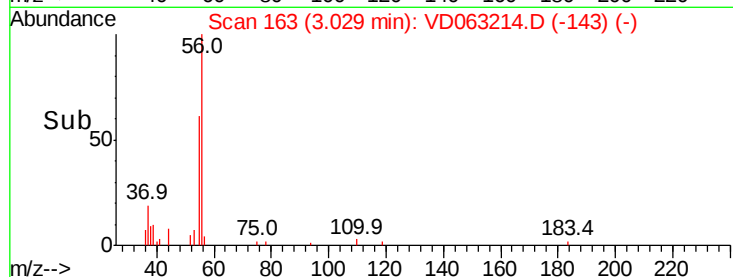
10000

5000

0

Time--> 2.90 3.00 3.10

3.03



#14

Allyl chloride

Concen: 21.541 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

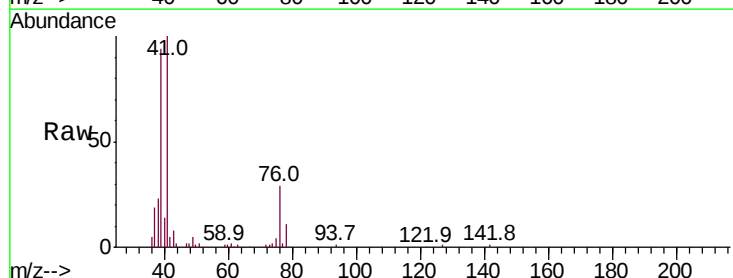
Tgt Ion: 41 Resp: 246581

Ion Ratio Lower Upper

41 100

39 94.4 78.6 117.8

76 29.5 24.5 36.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

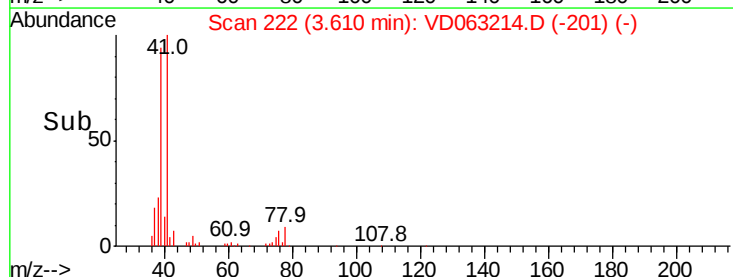
40000

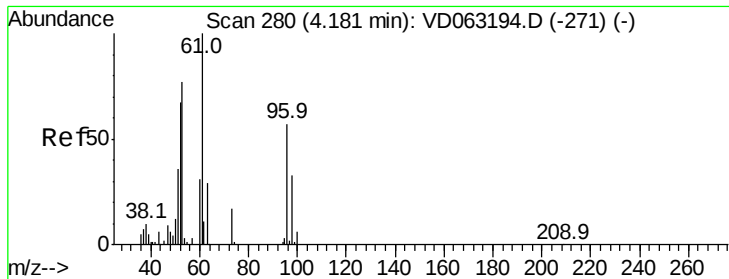
20000

0

Time--> 3.50 3.60 3.70

3.61





#15

Acrylonitrile

Concen: 109.374 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

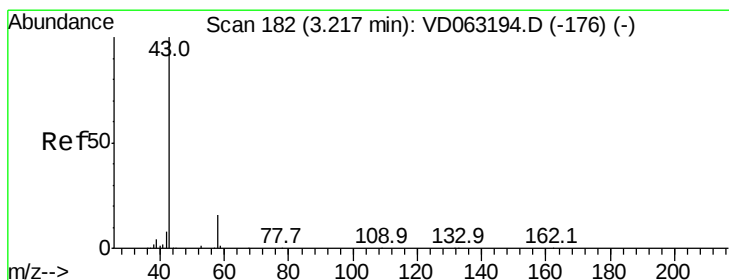
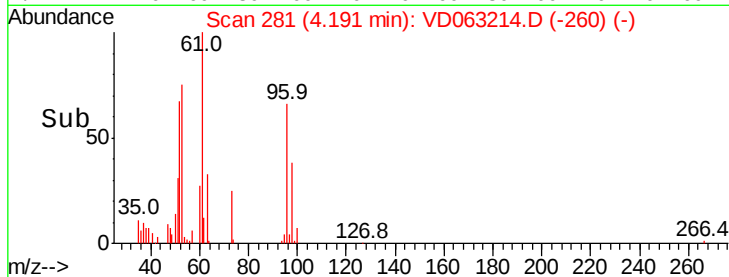
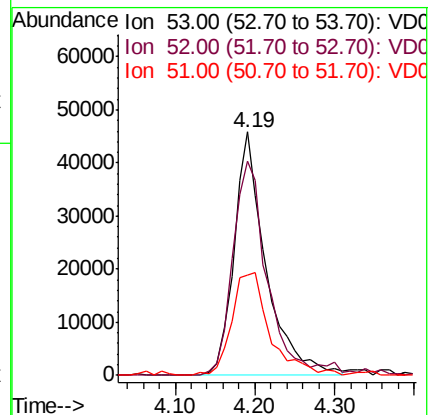
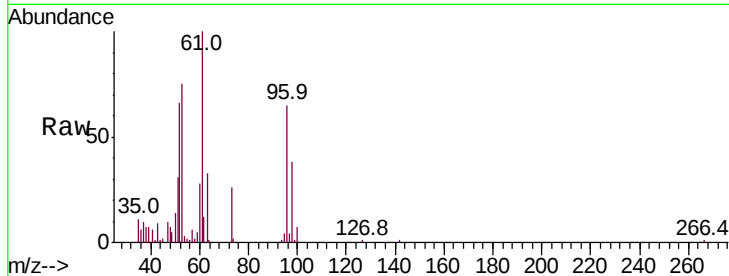
Tot Ion: 53 Resp: 127919

Ion Ratio Lower Upper

53 100

52 88.1 69.7 104.5

51 40.9 37.4 56.0



#16

Acetone

Concen: 94.862 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063214.D

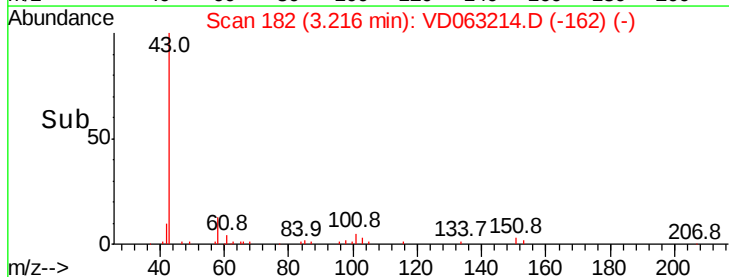
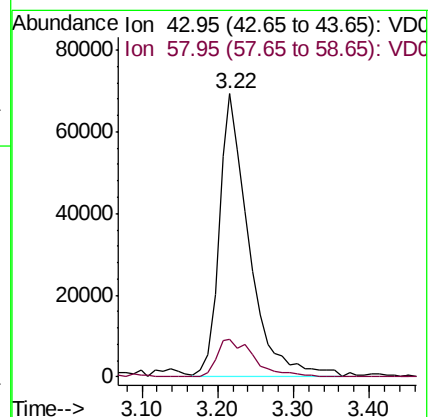
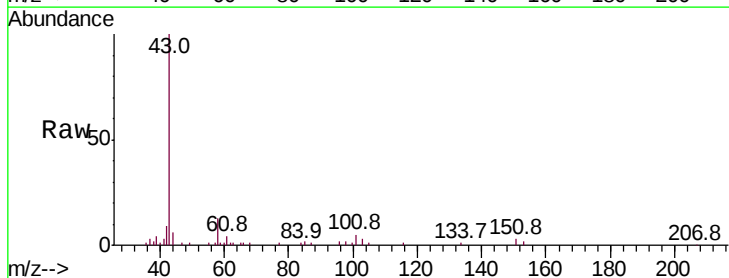
Acq: 29 Jul 2019 23:56

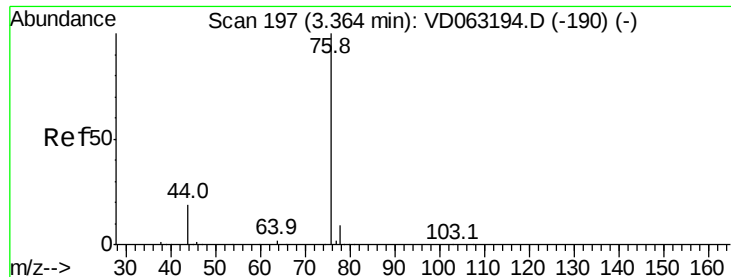
Tgt Ion: 43 Resp: 189996

Ion Ratio Lower Upper

43 100

58 13.4 13.0 19.4

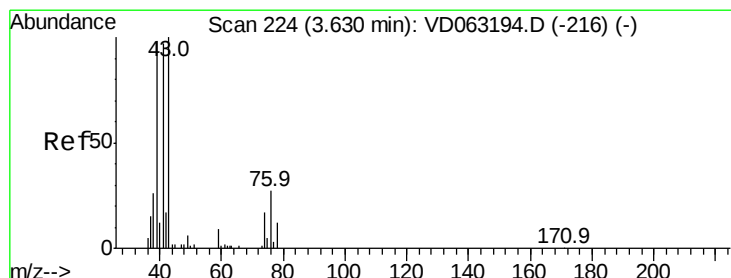
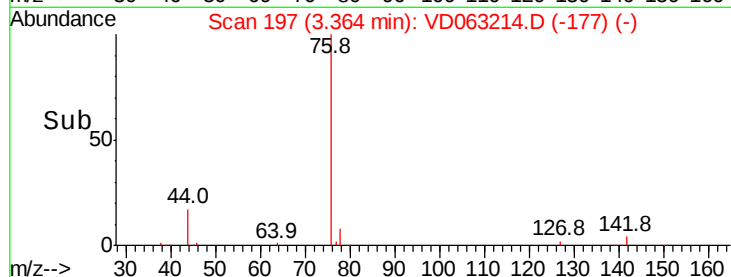
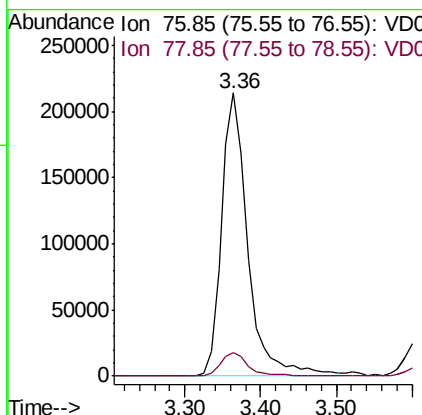
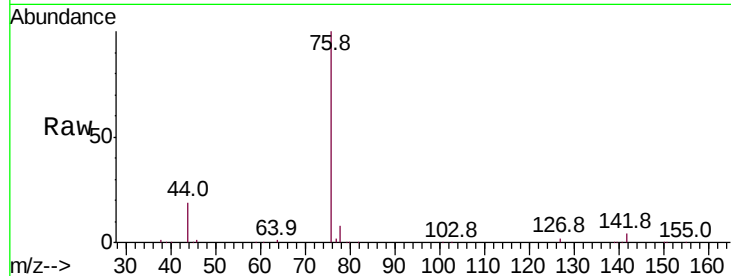




#17
Carbon Disulfide
Concen: 21.373 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

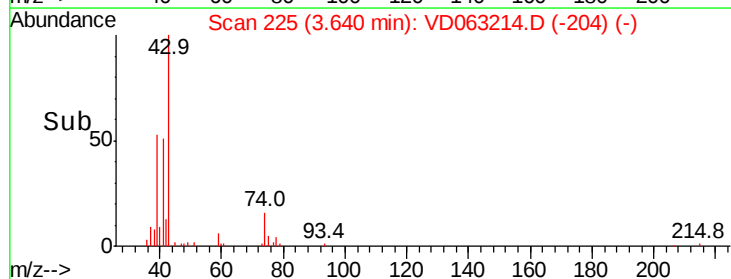
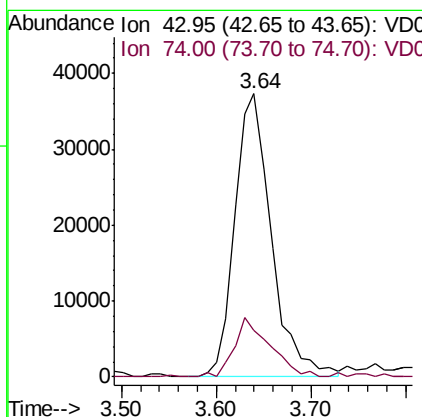
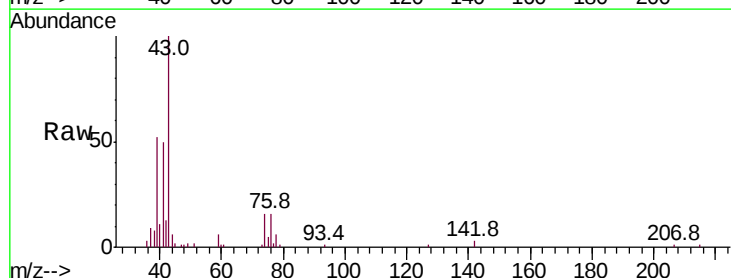
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

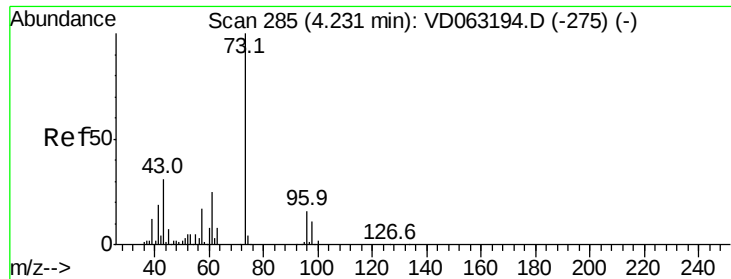
Tot Ion: 76 Resp: 514038
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2



#18
Methyl Acetate
Concen: 25.960 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 43 Resp: 99873
Ion Ratio Lower Upper
43 100
74 16.2 13.8 20.8

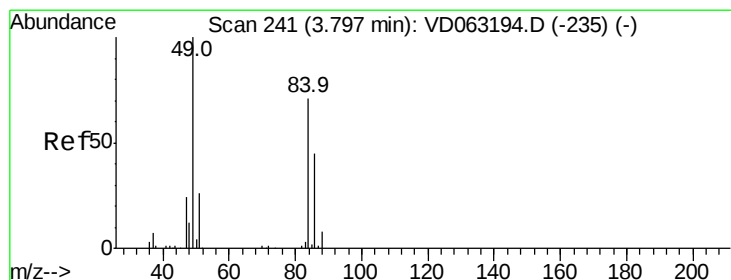
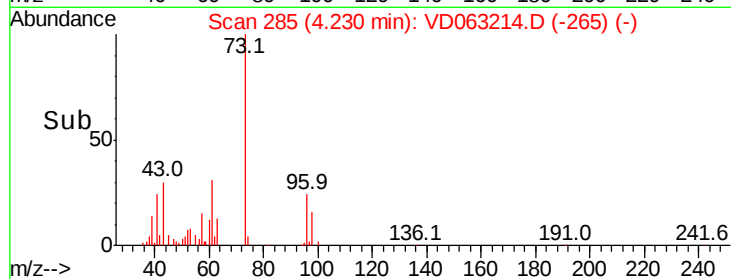
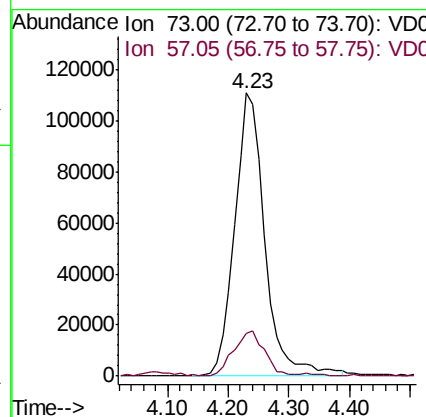
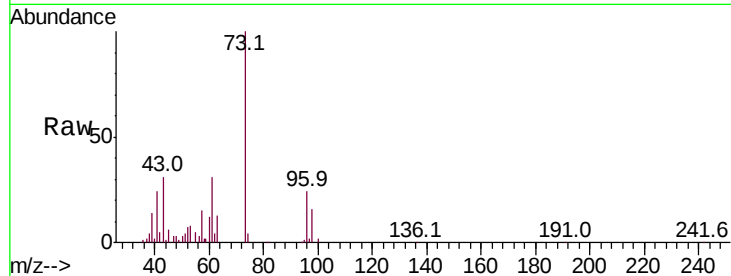




#19
Methvl tert-butvl Ether
Concen: 23.633 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

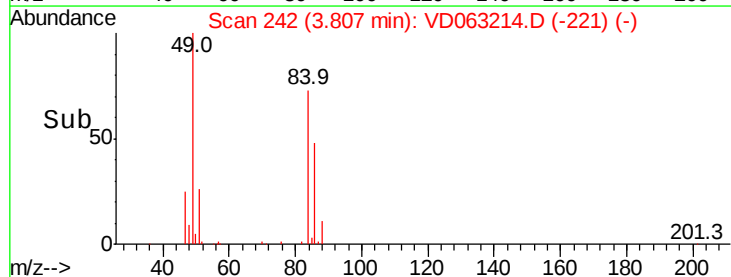
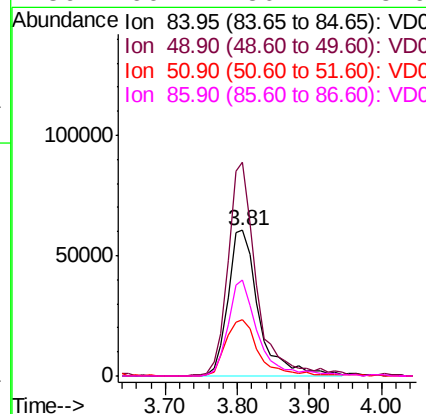
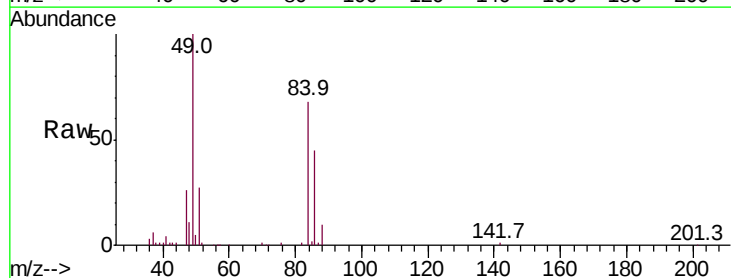
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

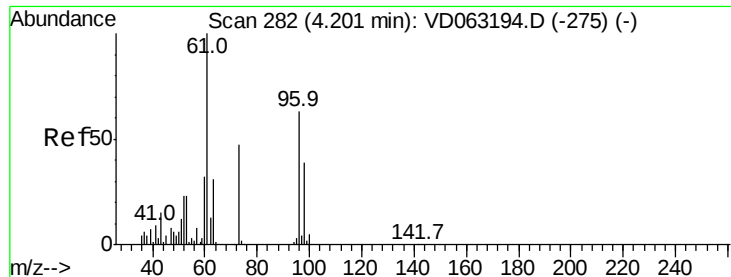
Tot Ion: 73 Resp: 383604
Ion Ratio Lower Upper
73 100
57 15.3 13.8 20.6



#20
Methylene Chloride
Concen: 22.224 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 84 Resp: 179918
Ion Ratio Lower Upper
84 100
49 146.6 112.5 168.7
51 39.0 29.6 44.4
86 66.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.614 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

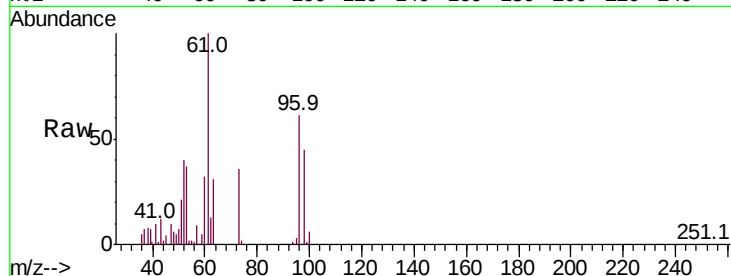
Tot Ion: 96 Resp: 166206

Ion Ratio Lower Upper

96 100

61 162.8 127.4 191.2

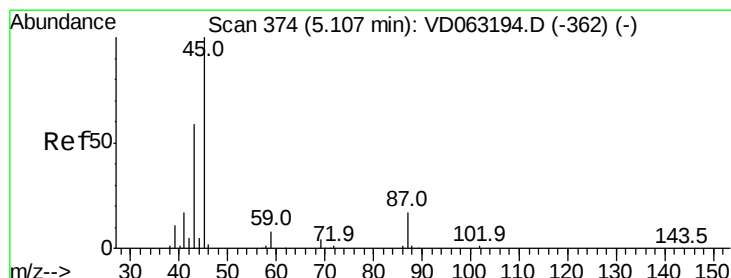
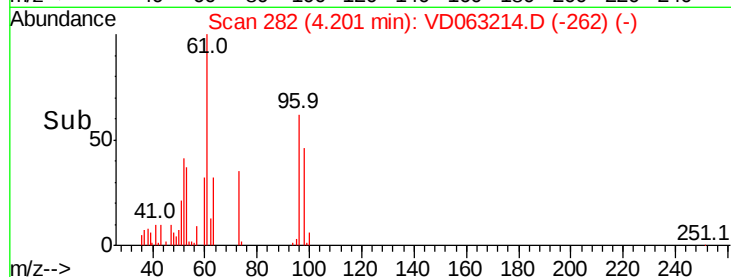
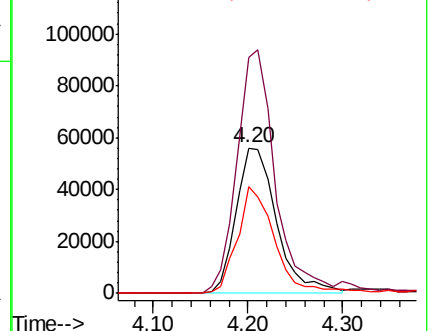
98 73.8 49.3 73.9



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: 22.704 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Tgt Ion: 45 Resp: 519250

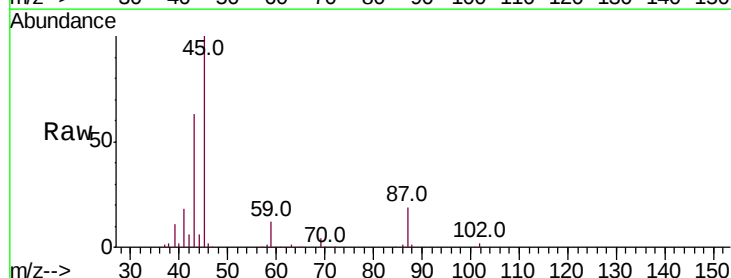
Ion Ratio Lower Upper

45 100

43 63.4 51.7 77.5

87 18.7 14.6 21.8

59 12.1 6.6 10.0#

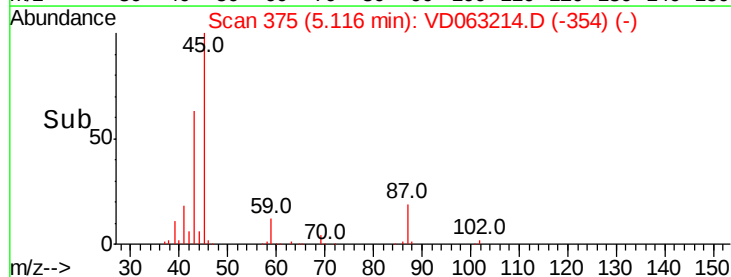
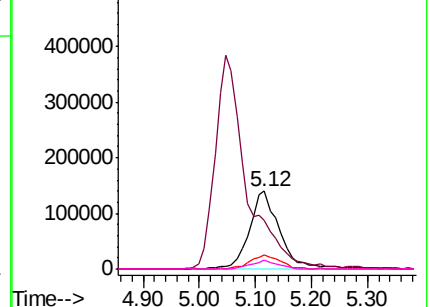


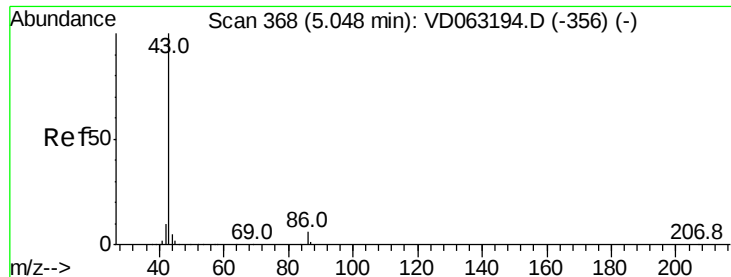
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 106.450 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

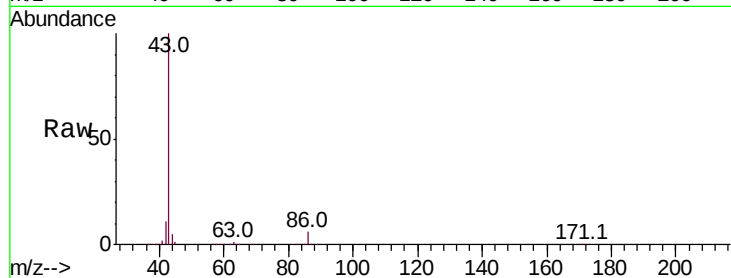
VD0729SBS02

Tot Ion: 43 Resp: 1496494

Ion Ratio Lower Upper

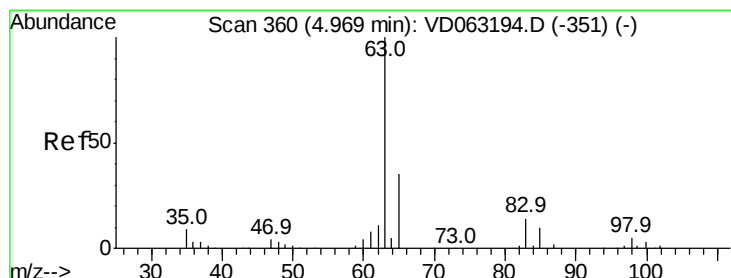
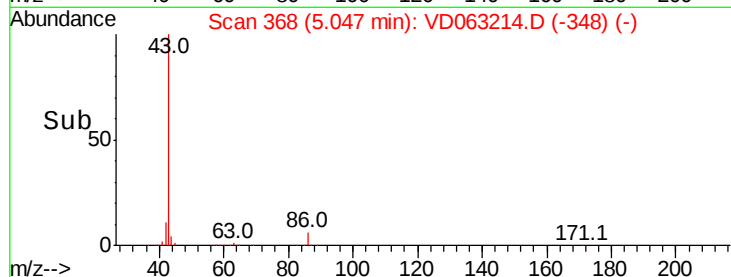
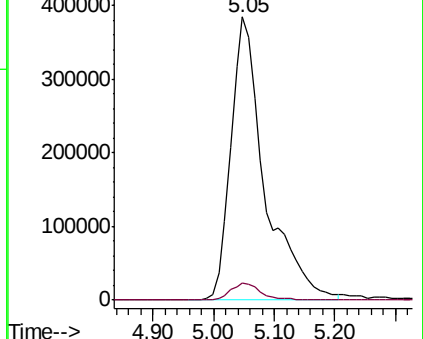
43 100

86 6.1 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: 22.156 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

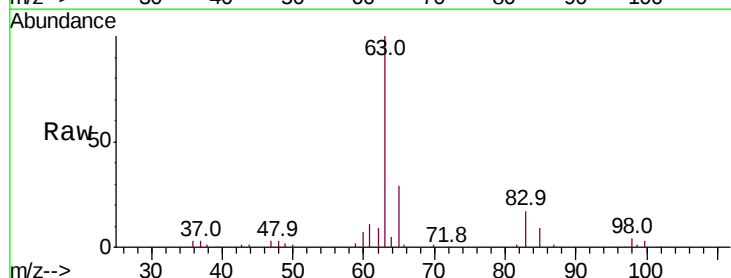
Tgt Ion: 63 Resp: 323668

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

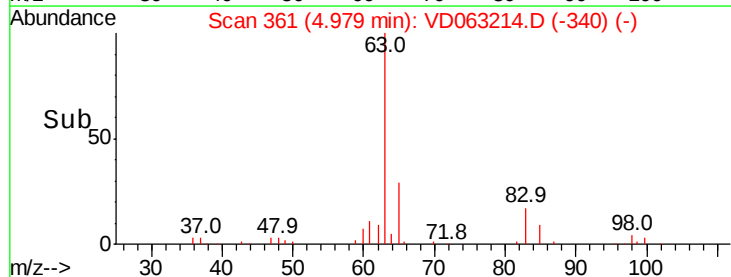
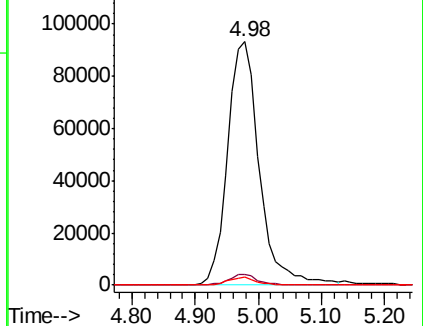
100 3.4 1.3 3.9

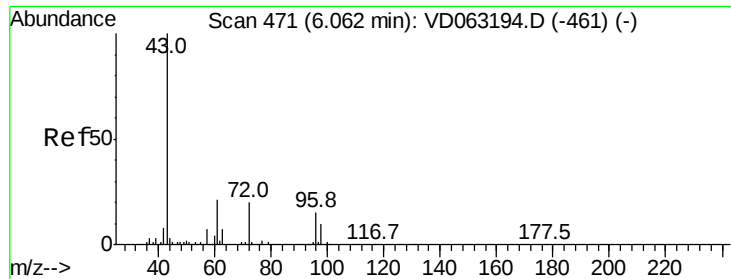


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.458 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

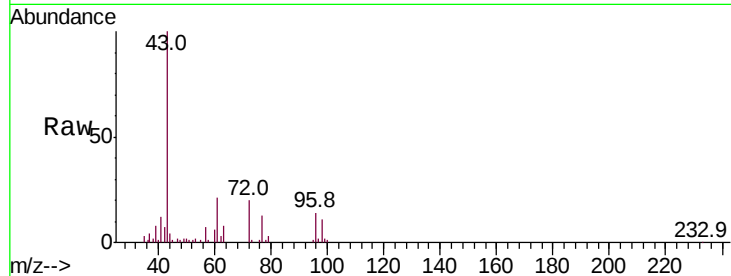
VD0729SBS02

Tot Ion: 43 Resp: 207955

Ion Ratio Lower Upper

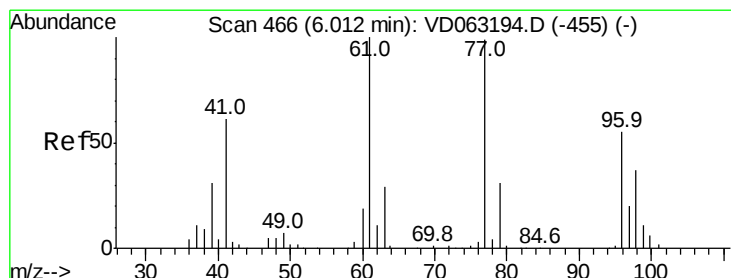
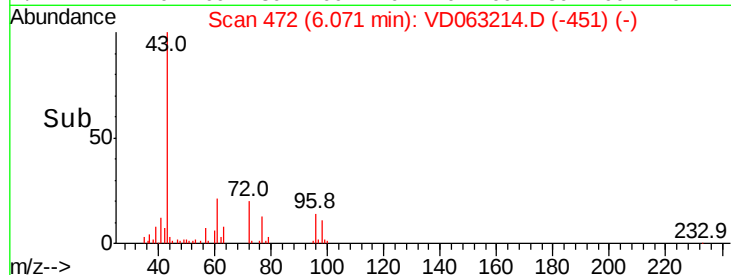
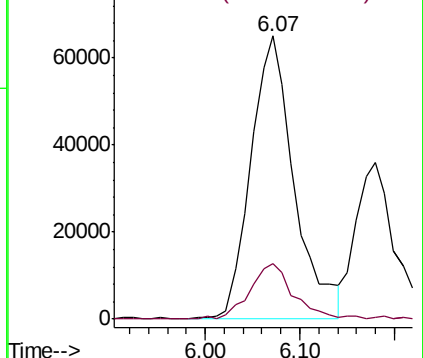
43 100

72 19.8 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.843 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063214.D

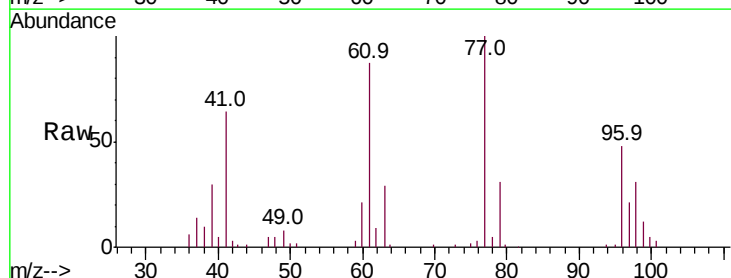
Acq: 29 Jul 2019 23:56

Tgt Ion: 77 Resp: 298720

Ion Ratio Lower Upper

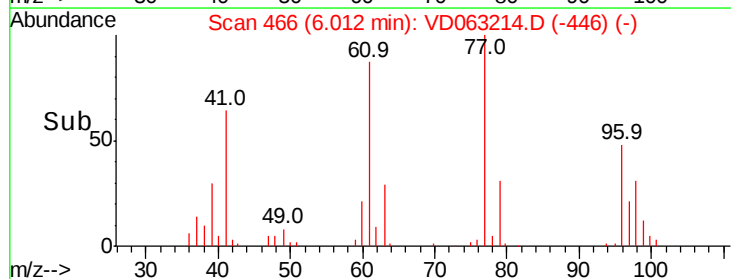
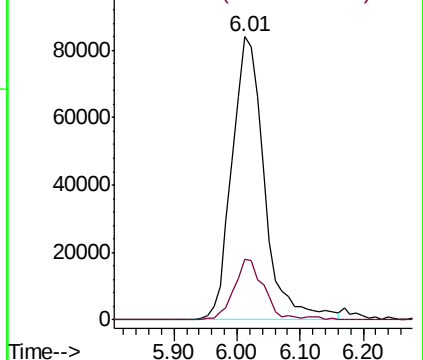
77 100

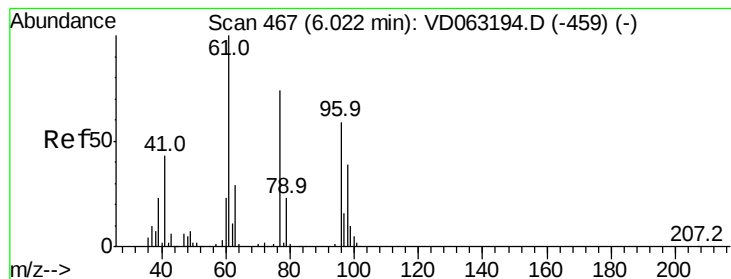
97 21.2 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



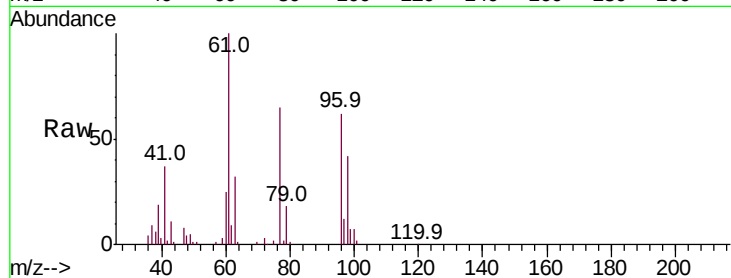


#27

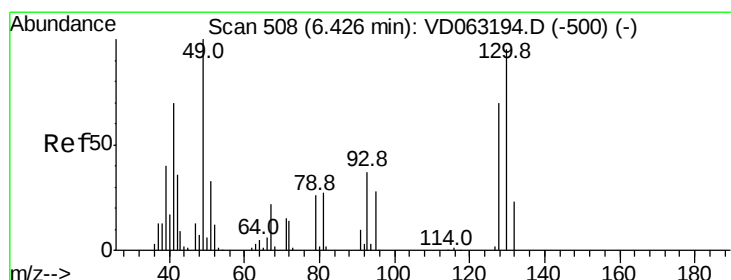
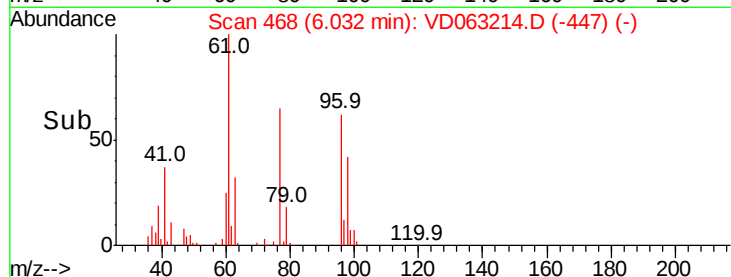
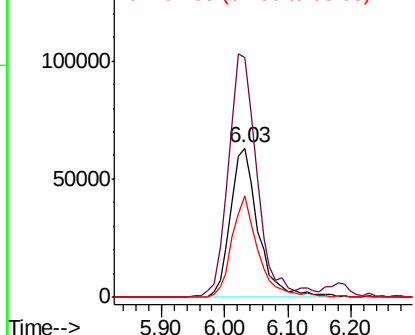
cis-1,2-Dichloroethene
Concen: 22.127 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

Tot Ion: 96 Resp: 191273
Ion Ratio Lower Upper
96 100
61 160.8 0.0 337.2
98 67.8 0.0 130.6



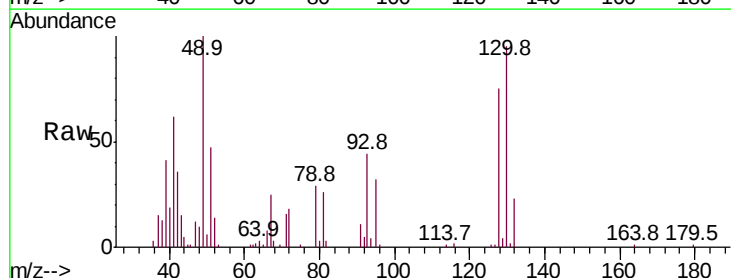
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



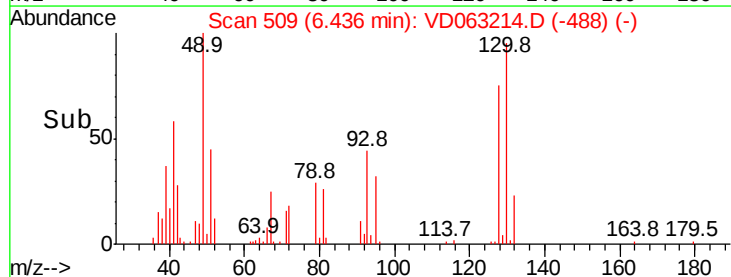
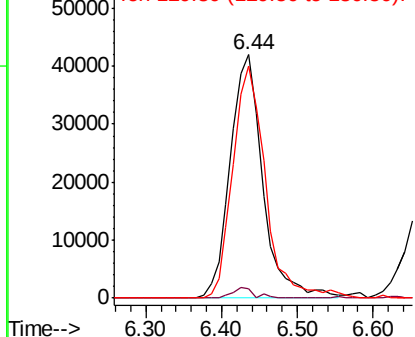
#28

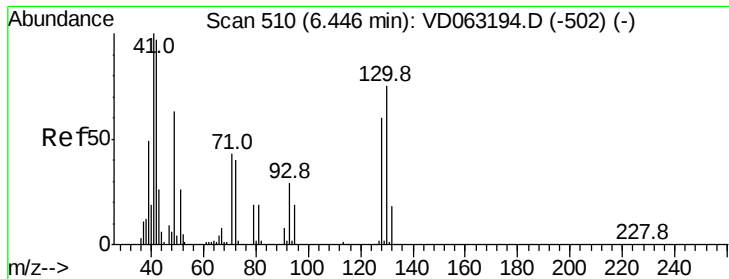
Bromochloromethane
Concen: 21.506 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 49 Resp: 125171
Ion Ratio Lower Upper
49 100
129 3.7 0.0 0.0#
130 95.1 75.7 113.5



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





#29

Tetrahydrofuran

Concen: 104.880 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

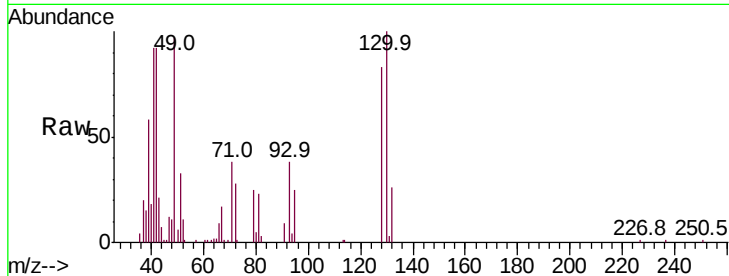
Tot Ion: 42 Resp: 99809

Ion Ratio Lower Upper

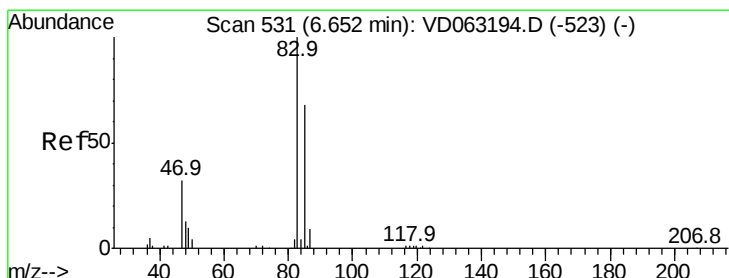
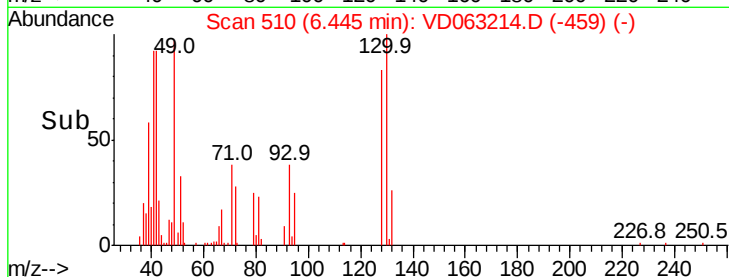
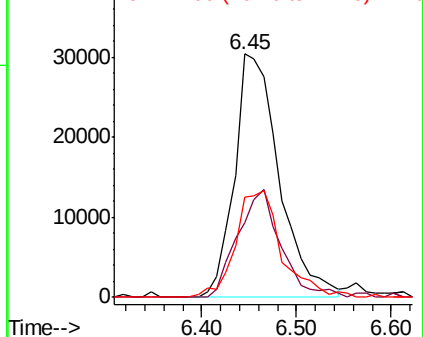
42 100

72 42.4 33.4 50.2

71 44.8 35.7 53.5



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



#30

Chloroform

Concen: 22.440 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063214.D

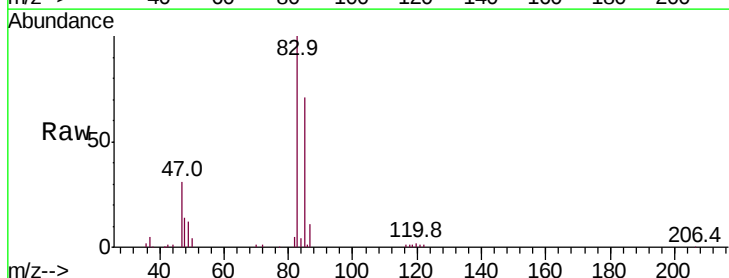
Acq: 29 Jul 2019 23:56

Tgt Ion: 83 Resp: 406821

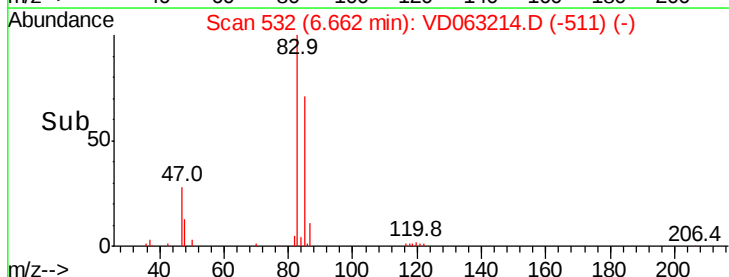
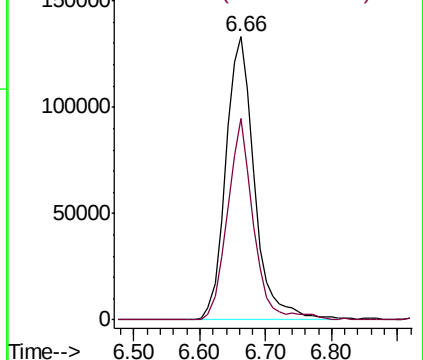
Ion Ratio Lower Upper

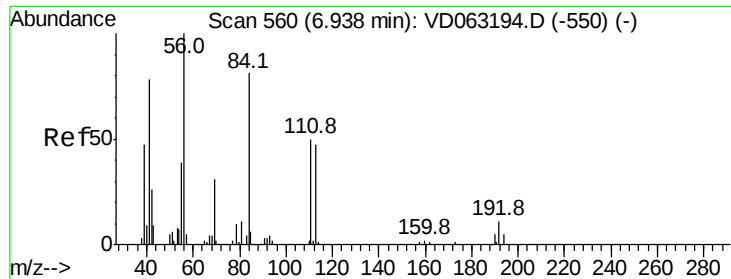
83 100

85 71.1 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

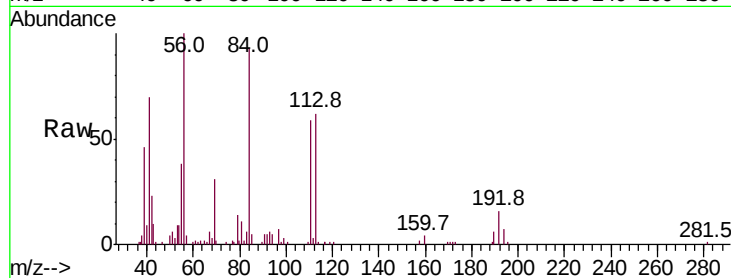




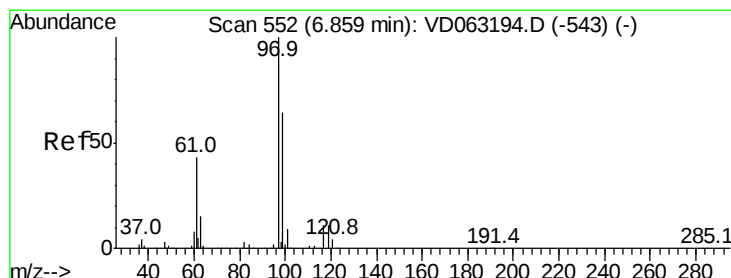
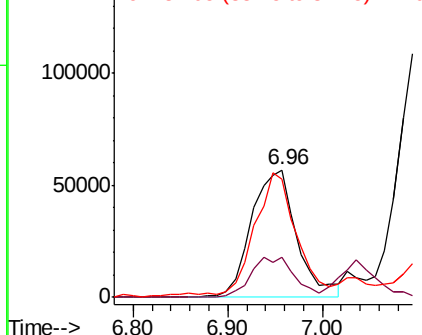
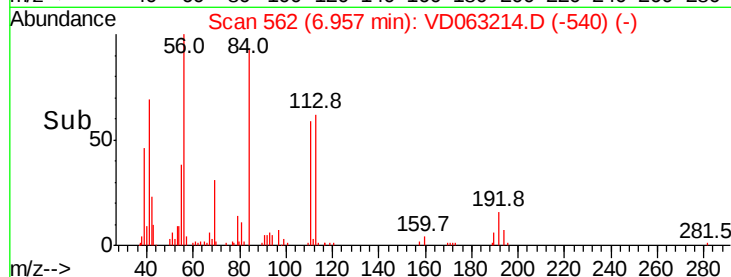
#31
Cvclohexane
Concen: 20.643 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

Tot Ion: 56 Resp: 189017
Ion Ratio Lower Upper
56 100
69 31.2 24.5 36.7
84 92.7 64.9 97.3

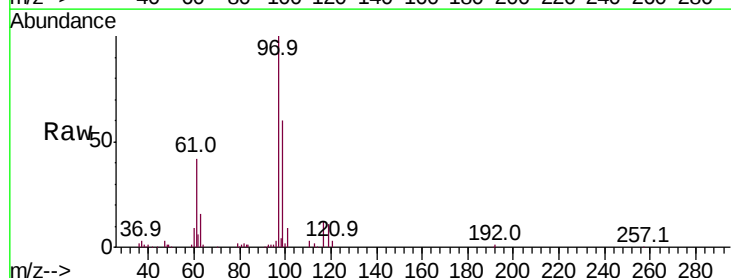


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

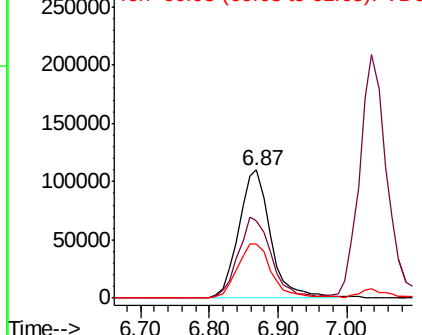
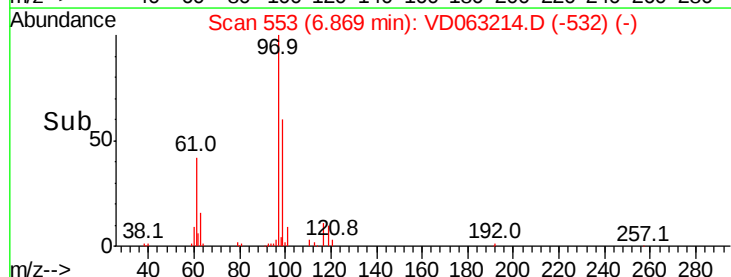


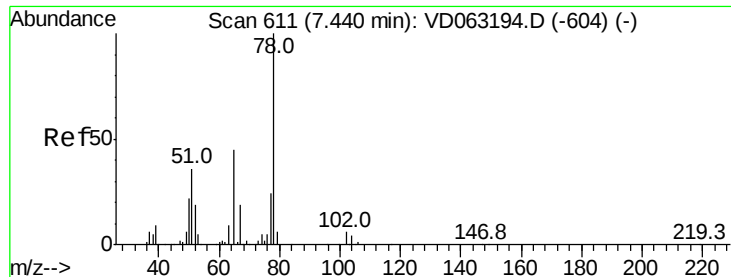
#32
1,1,1-Trichloroethane
Concen: 20.020 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 97 Resp: 351068
Ion Ratio Lower Upper
97 100
99 60.2 51.2 76.8
61 41.9 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: 57.643 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

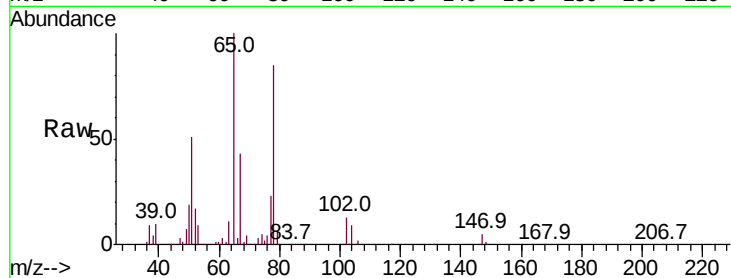
VD0729SBS02

Tot Ion: 65 Resp: 592543

Ion Ratio Lower Upper

65 100

67 42.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

150000

100000

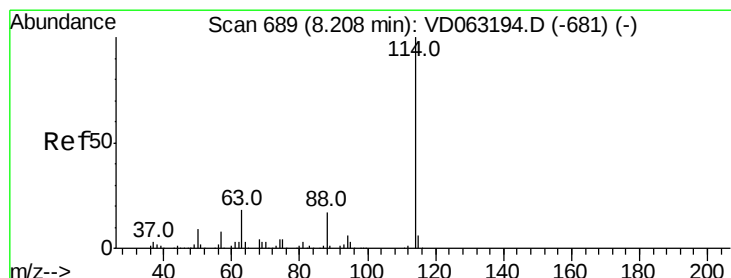
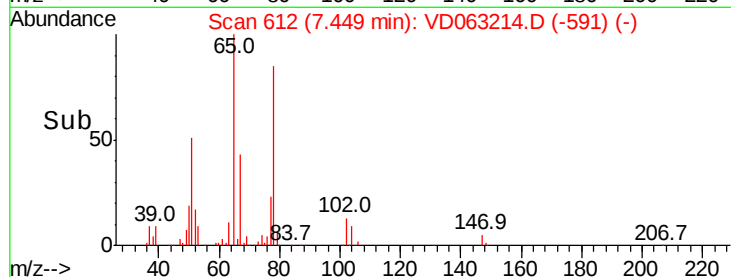
50000

0

7.40

7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

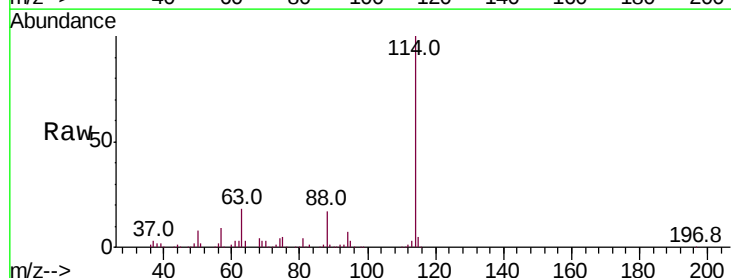
Tgt Ion: 114 Resp: 1314499

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 16.6 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

600000

400000

200000

0

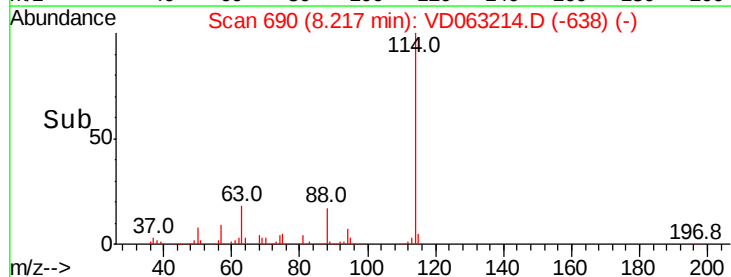
8.10

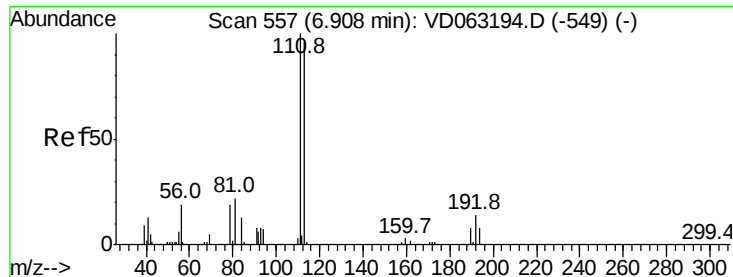
8.20

8.30

8.40

Time-->





#35

Dibromofluoromethane

Concen: 56.775 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

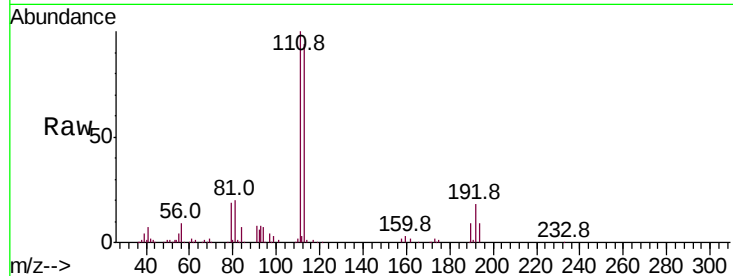
Tot Ion:113 Resp: 637190

Ion Ratio Lower Upper

113 100

111 106.0 83.2 124.8

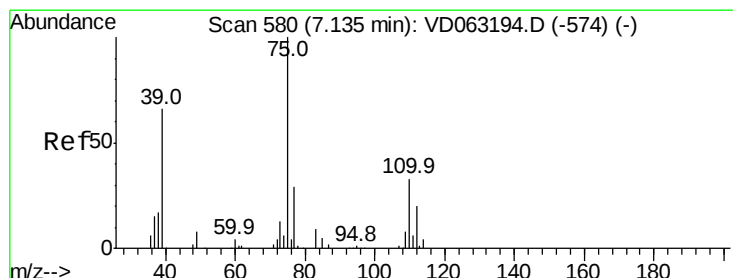
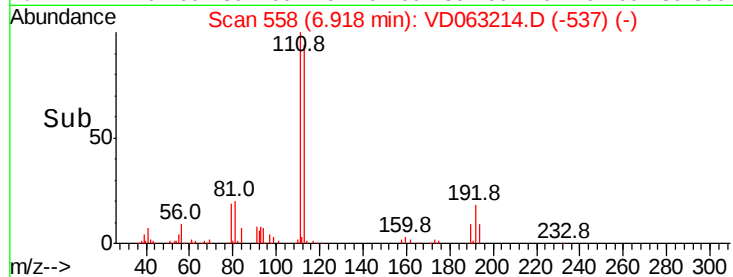
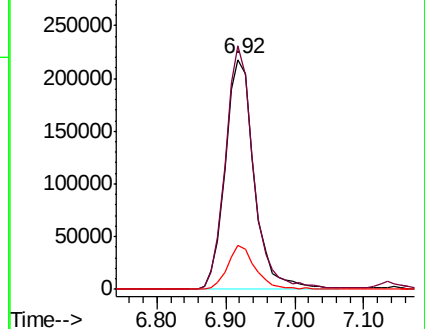
192 19.1 11.8 17.8#



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: 20.968 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

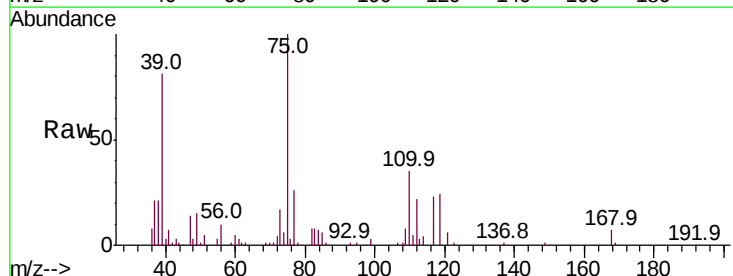
Tgt Ion: 75 Resp: 251544

Ion Ratio Lower Upper

75 100

110 35.1 16.1 48.2

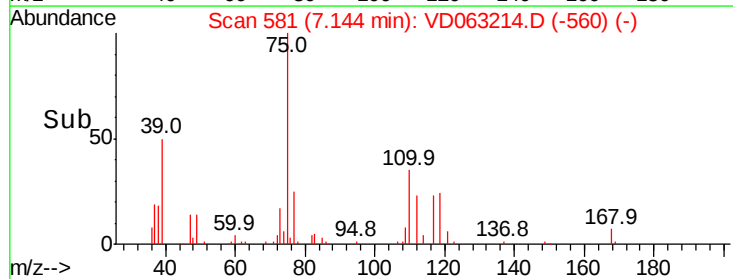
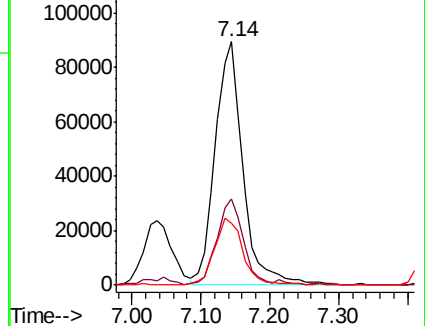
77 25.5 22.7 34.1

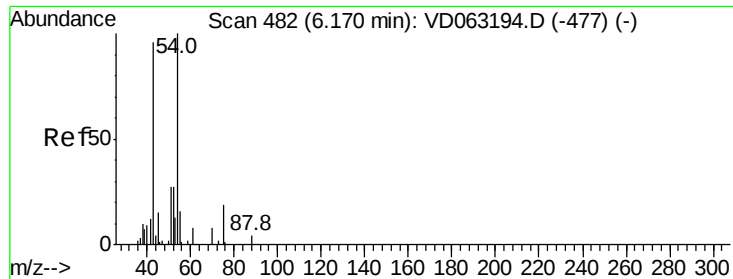


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

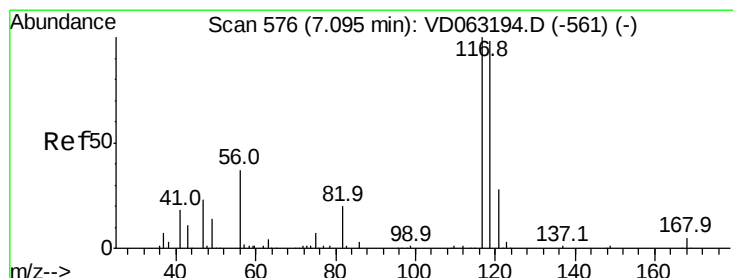
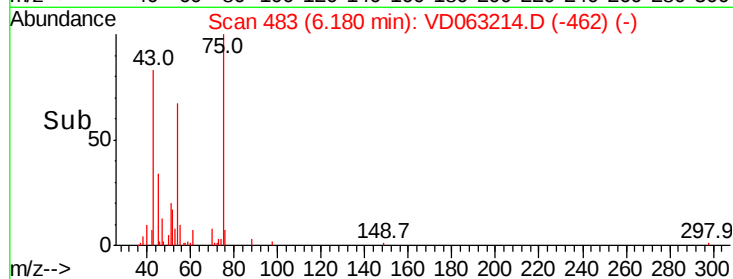
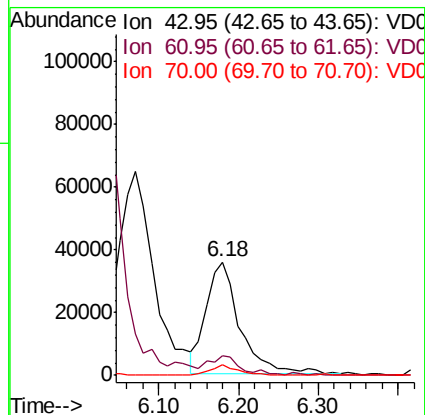
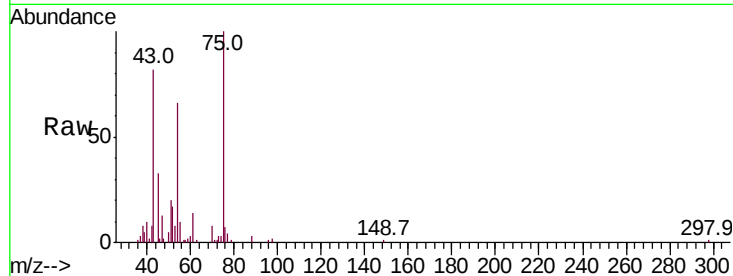




#37
Ethyl Acetate
Concen: 19.754 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

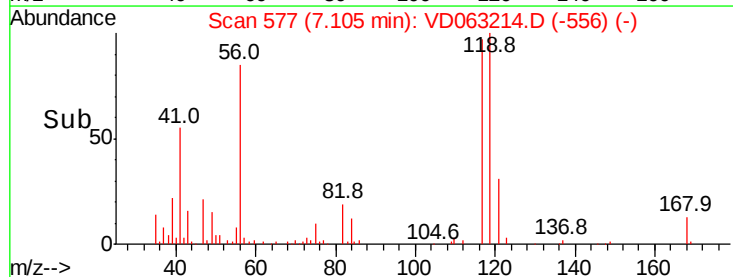
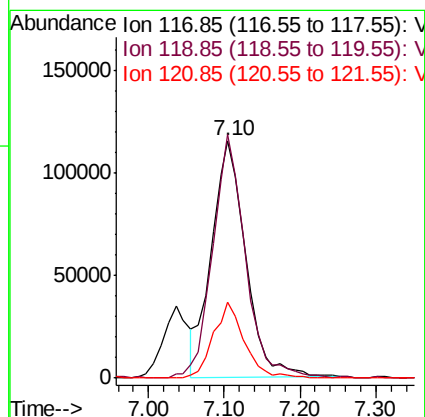
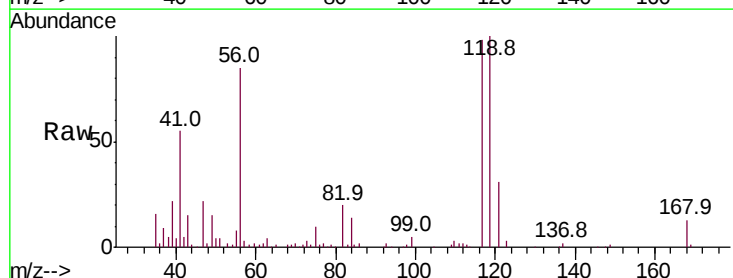
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

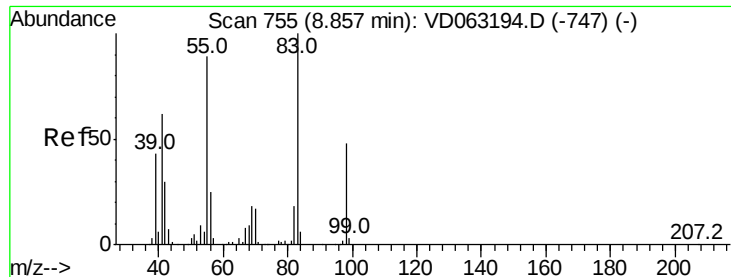
Tot Ion: 43 Resp: 106465
Ion Ratio Lower Upper
43 100
61 16.9 11.3 16.9
70 9.2 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 20.067 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 117 Resp: 362409
Ion Ratio Lower Upper
117 100
119 102.4 78.2 117.2
121 31.7 22.1 33.1

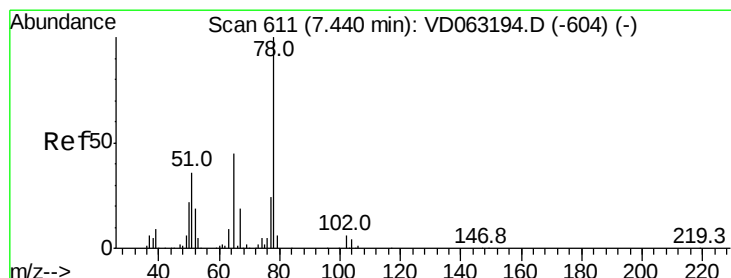
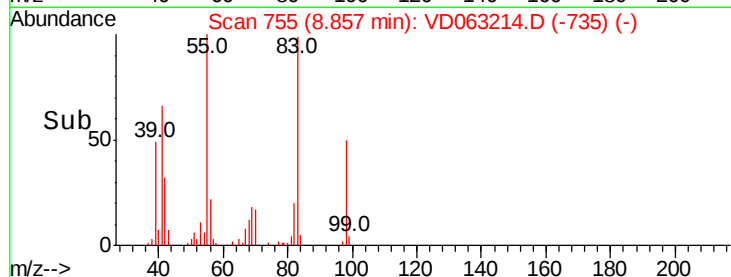
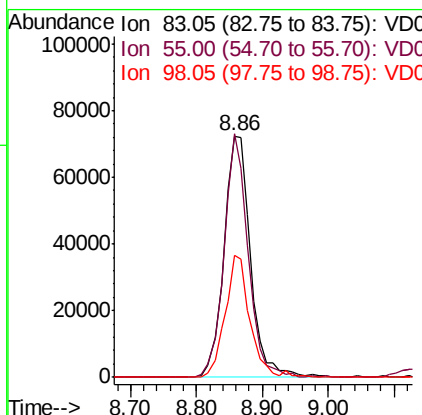
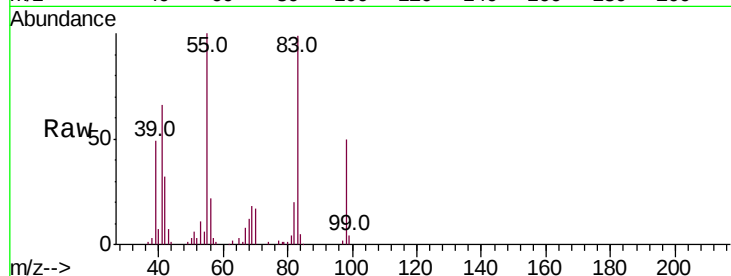




#39
Methvlcvclohexane
Concen: 20.406 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

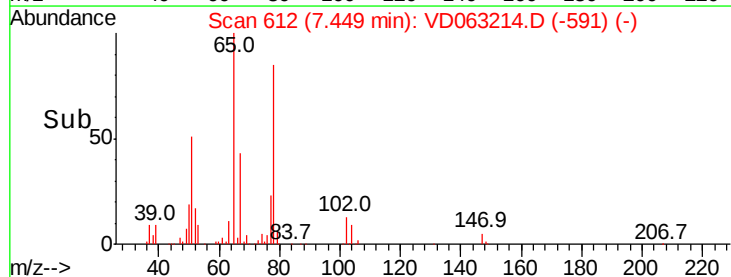
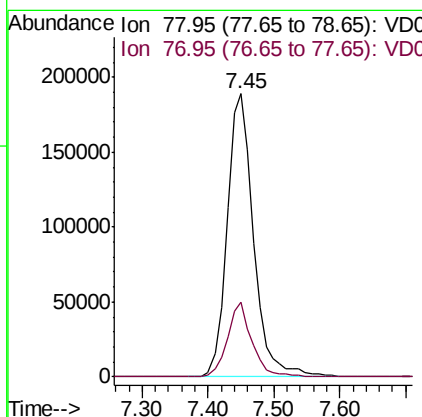
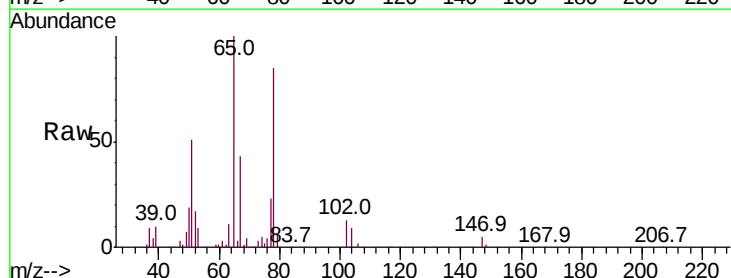
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

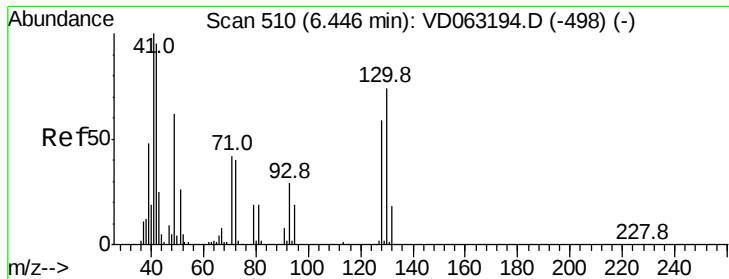
Tot Ion: 83 Resp: 203958
Ion Ratio Lower Upper
83 100
55 100.8 71.1 106.7
98 50.6 38.5 57.7



#40
Benzene
Concen: 21.099 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 78 Resp: 530470
Ion Ratio Lower Upper
78 100
77 26.5 19.4 29.2

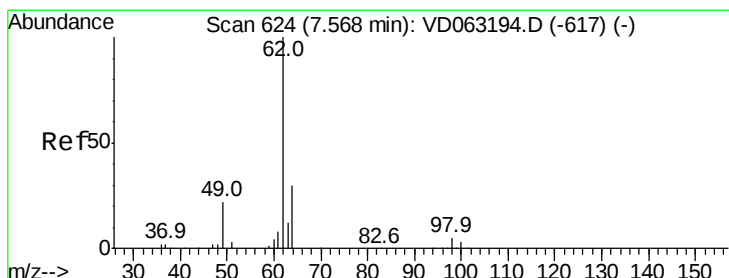
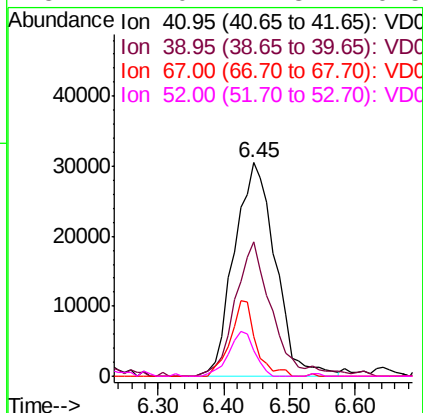
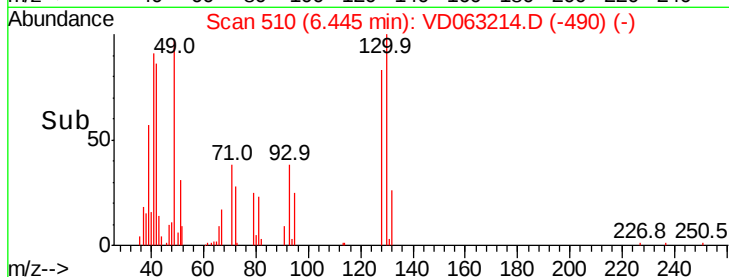
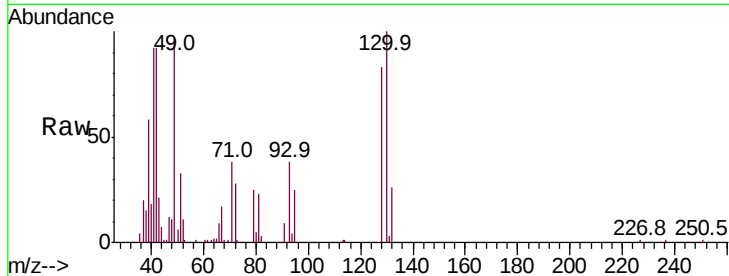




#41
Methacrylonitrile
Concen: 20.758 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

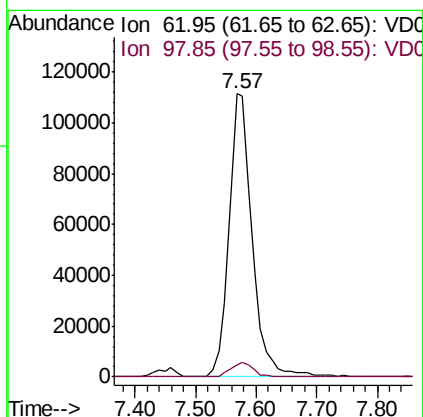
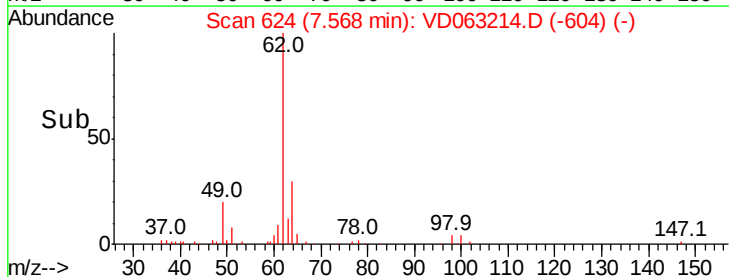
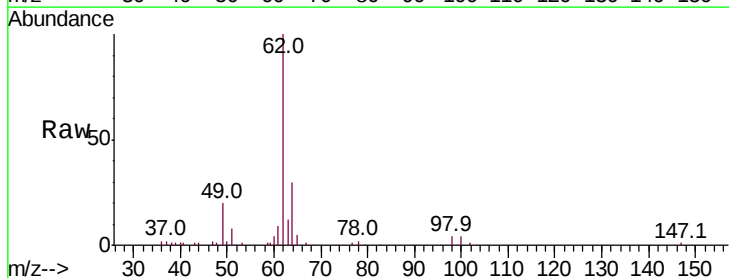
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

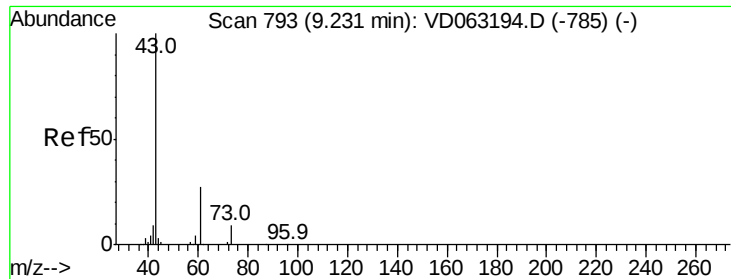
Tot Ion: 41 Resp: 133823
Ion Ratio Lower Upper
41 100
39 62.7 38.4 57.6#
67 18.5 6.7 10.1#
52 12.0 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 22.204 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 62 Resp: 295863
Ion Ratio Lower Upper
62 100
98 4.4 0.0 9.8



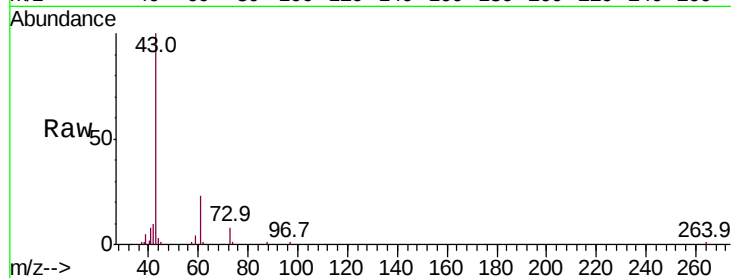


#43

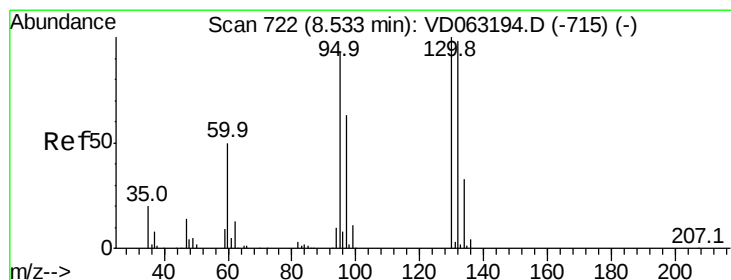
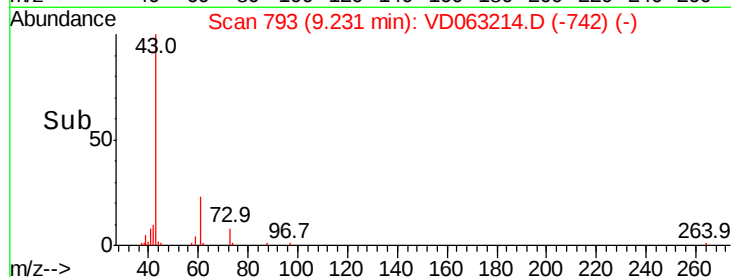
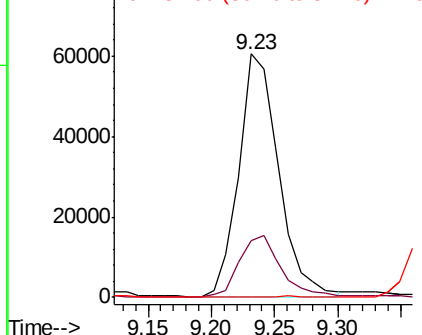
Isopropyl Acetate
 Concen: 19.359 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

Tot Ion: 43 Resp: 133280
 Ion Ratio Lower Upper
 43 100
 61 23.4 21.4 32.0
 87 0.0 0.2 0.4#



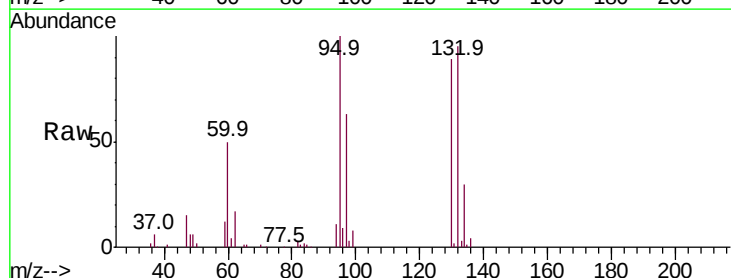
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



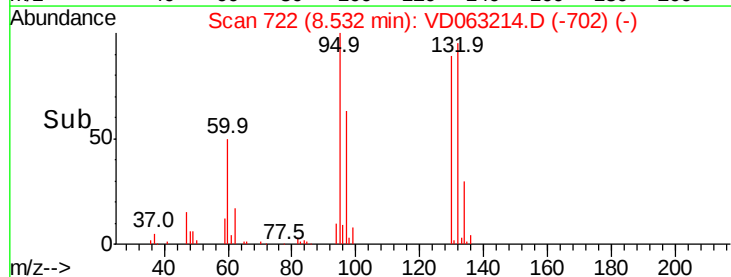
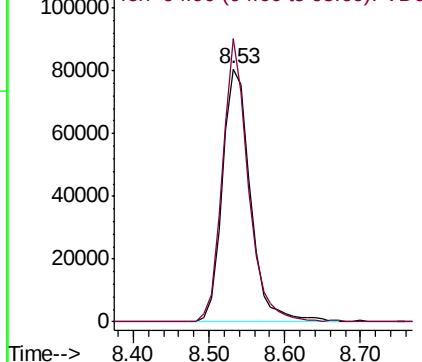
#44

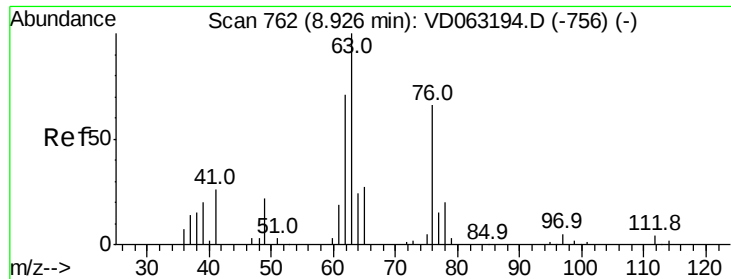
Trichloroethene
 Concen: 20.261 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion:130 Resp: 206414
 Ion Ratio Lower Upper
 130 100
 95 111.8 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: 21.924 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

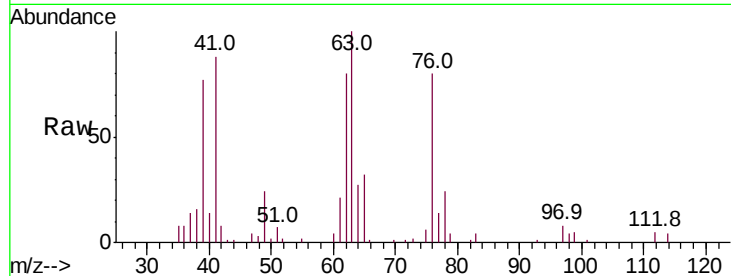
VD0729SBS02

Tot Ion: 63 Resp: 140108

Ion Ratio Lower Upper

63 100

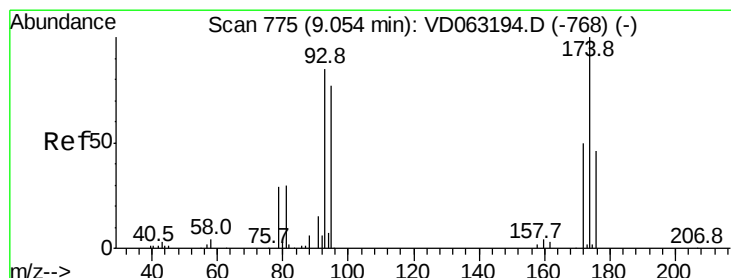
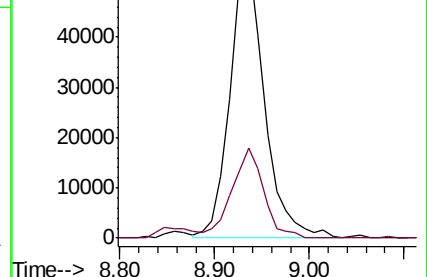
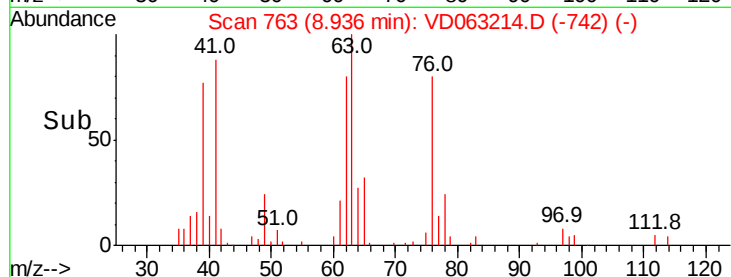
65 31.6 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94



#46

Dibromomethane

Concen: 22.020 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

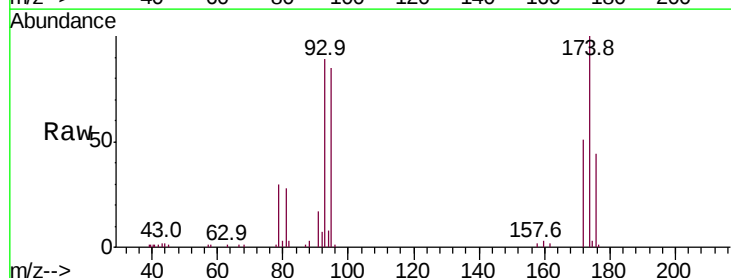
Tgt Ion: 93 Resp: 117004

Ion Ratio Lower Upper

93 100

95 95.3 72.8 109.2

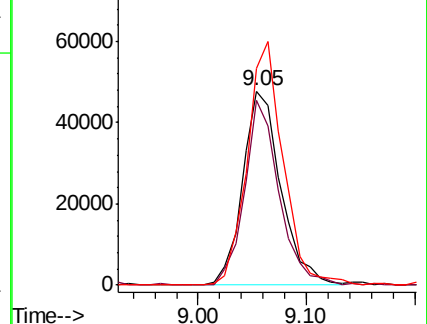
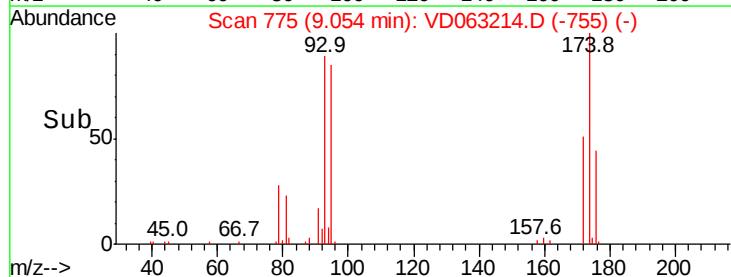
174 112.0 94.4 141.6

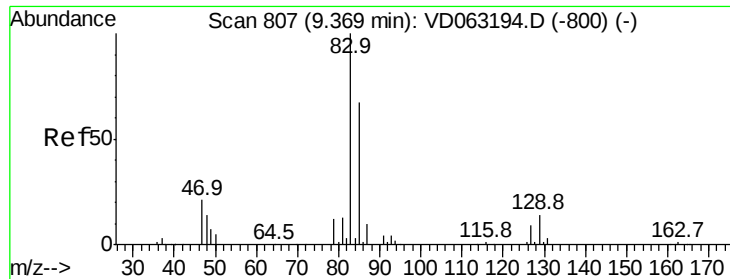


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.264 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

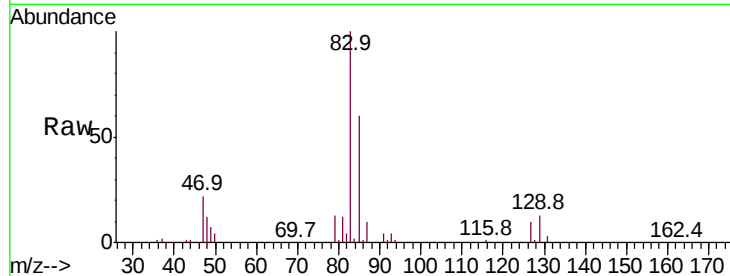
Tot Ion: 83 Resp: 301571

Ion Ratio Lower Upper

83 100

85 60.1 53.6 80.4

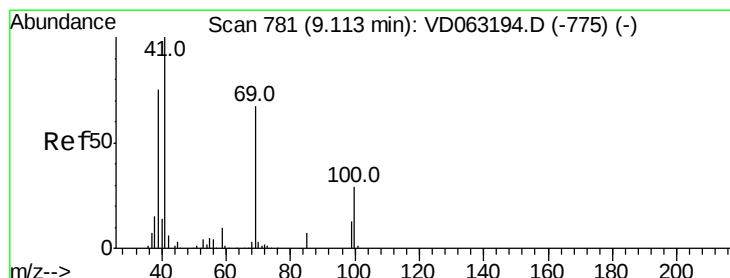
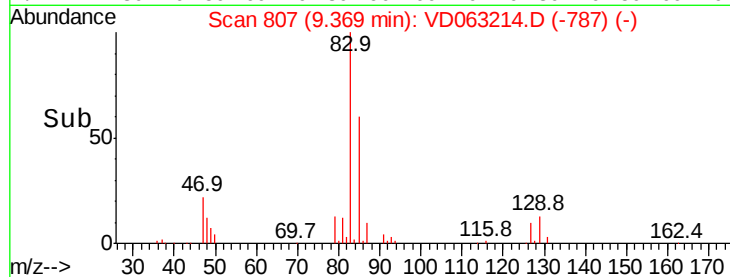
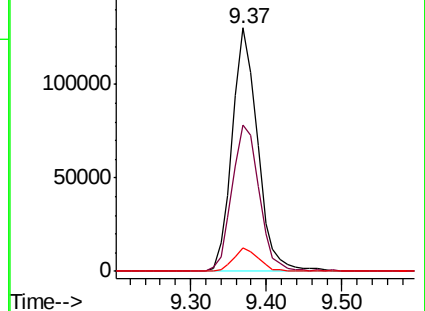
127 9.7 7.2 10.8



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: 22.814 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

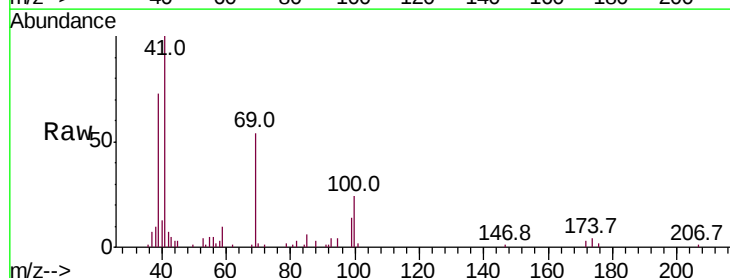
Tgt Ion: 41 Resp: 101868

Ion Ratio Lower Upper

41 100

69 53.9 53.4 80.0

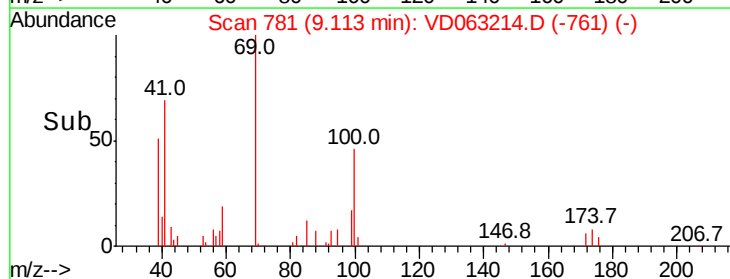
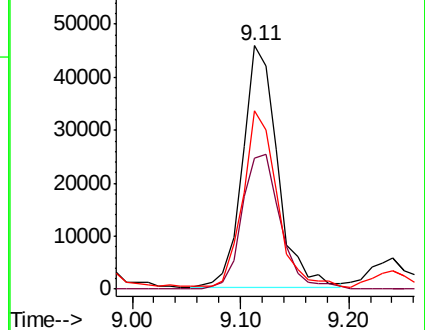
39 73.2 60.3 90.5

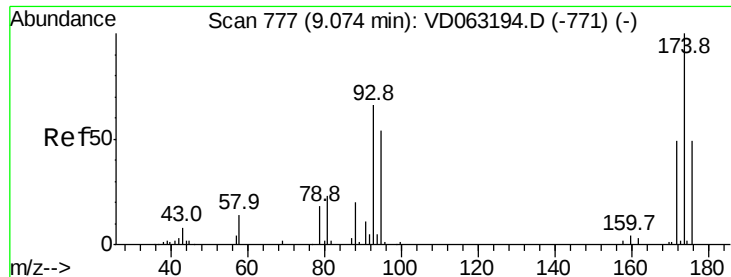


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

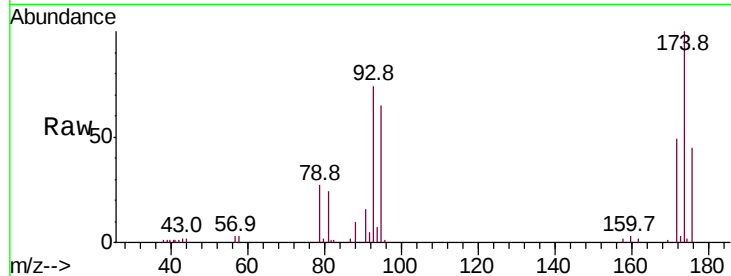




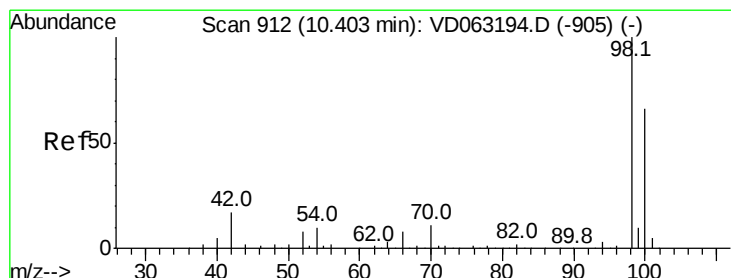
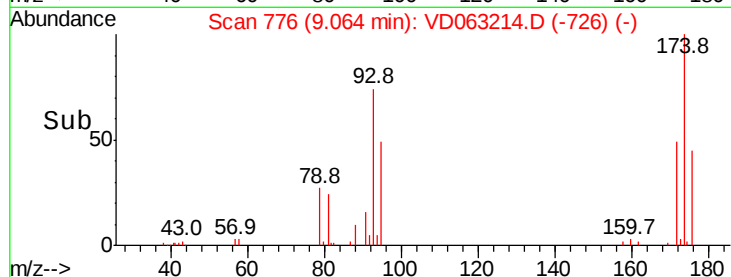
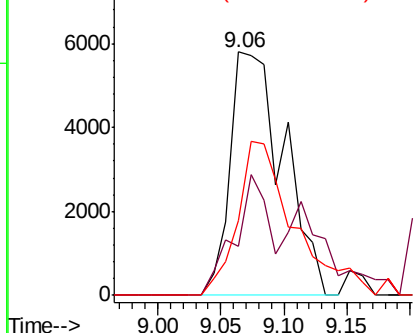
#49
 1,4-Dioxane
 Concen: 448.103 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

Tot Ion: 88 Resp: 17035
 Ion Ratio Lower Upper
 88 100
 43 20.4 30.7 46.1#
 58 30.7 56.5 84.7#

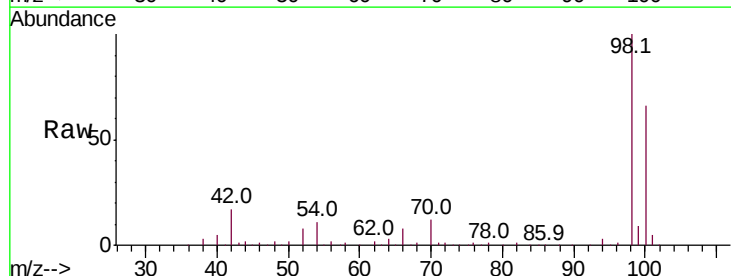


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

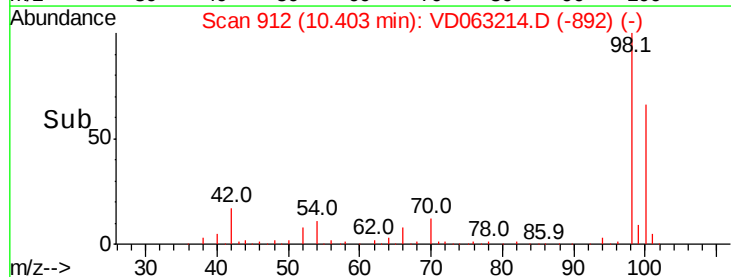
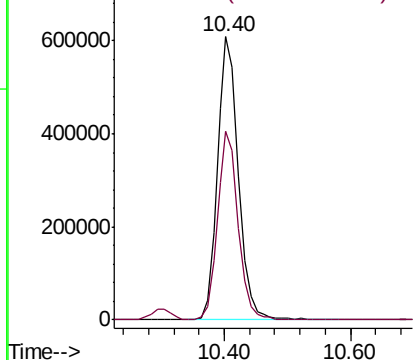


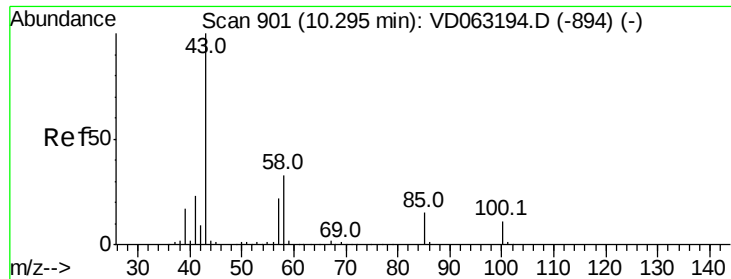
#50
 Toluene-d8
 Concen: 56.086 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion: 98 Resp: 1408704
 Ion Ratio Lower Upper
 98 100
 100 66.5 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: 108.239 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

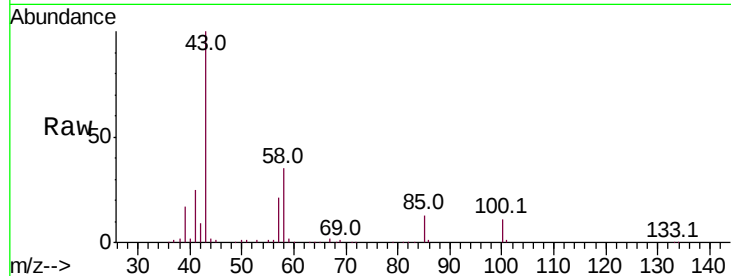
VD0729SBS02

Tot Ion: 43 Resp: 506783

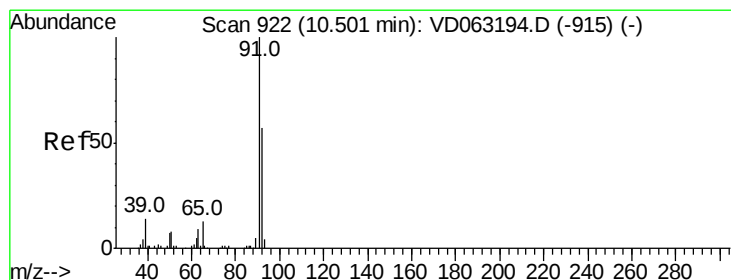
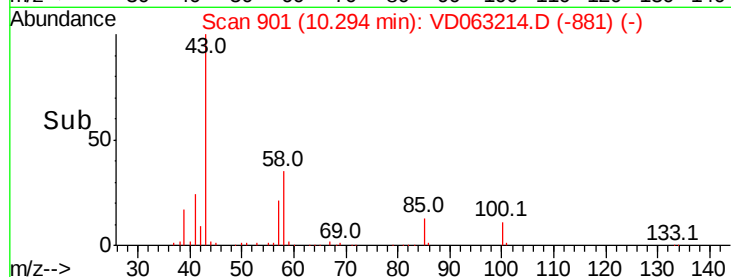
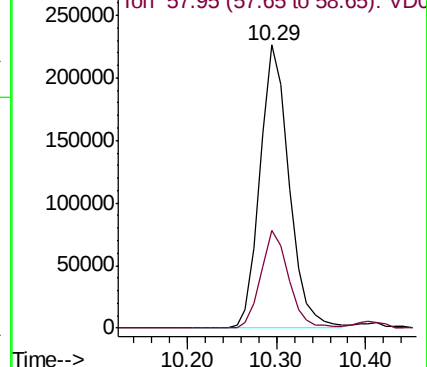
Ion Ratio Lower Upper

43 100

58 34.6 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 20.769 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063214.D

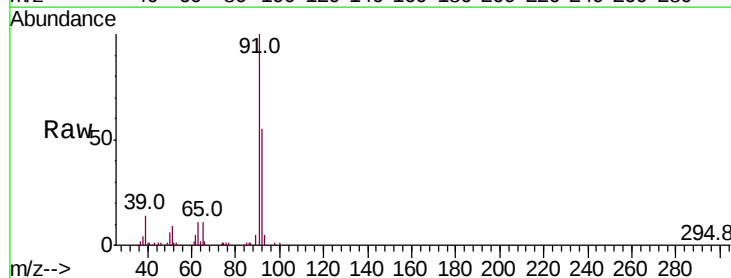
Acq: 29 Jul 2019 23:56

Tgt Ion: 92 Resp: 347306

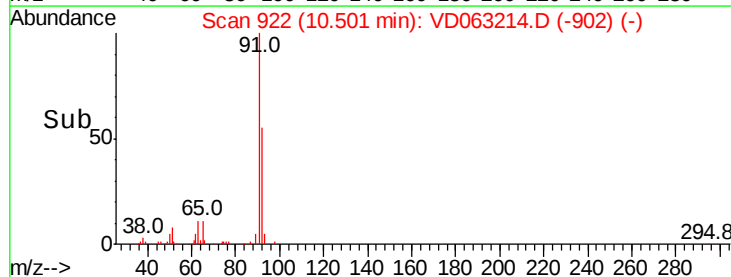
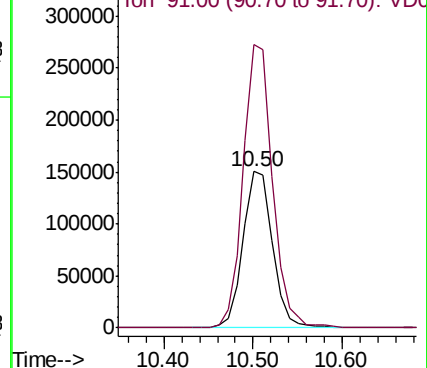
Ion Ratio Lower Upper

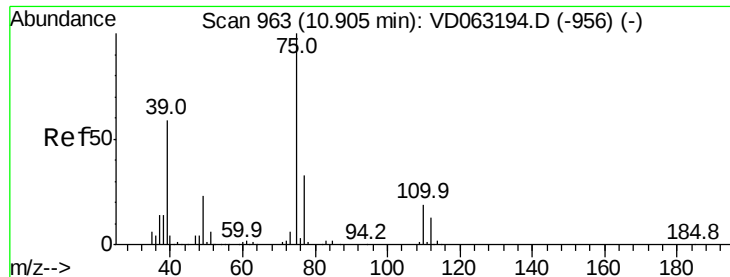
92 100

91 180.8 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

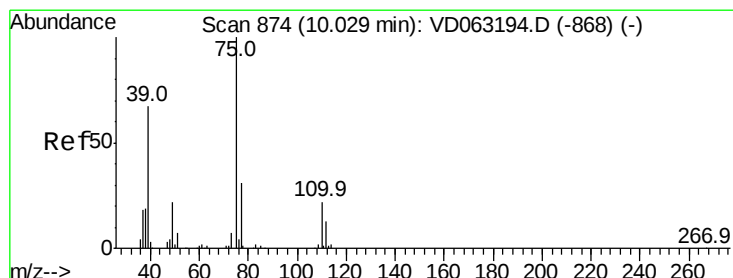
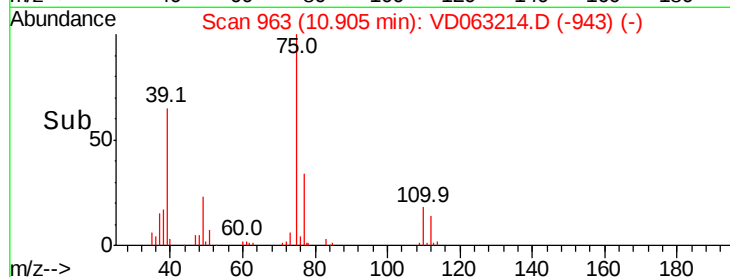
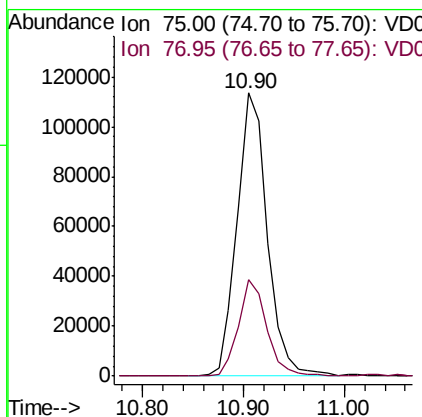
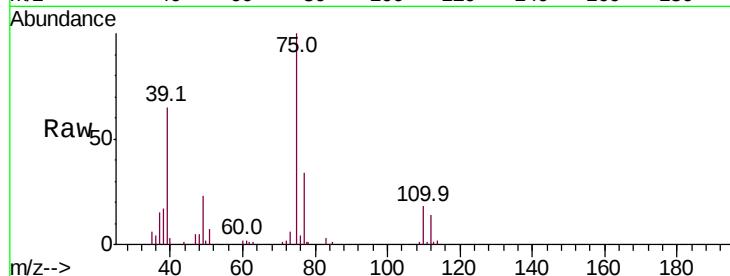




#53
 t-1,3-Dichloropropene
 Concen: 20.317 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

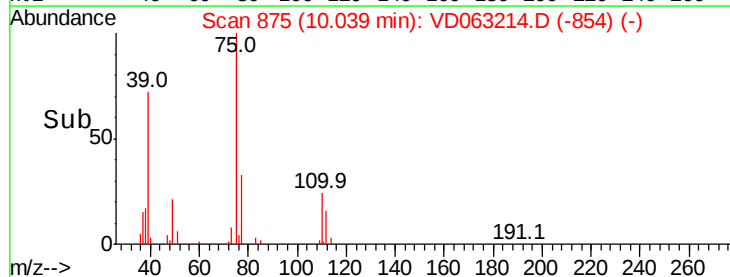
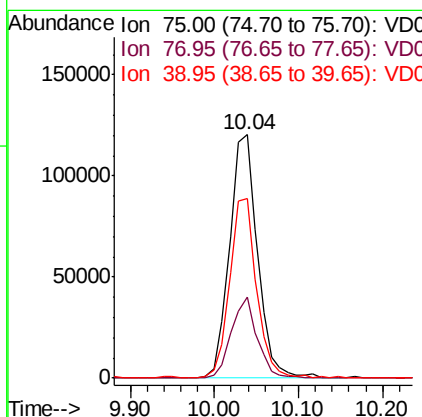
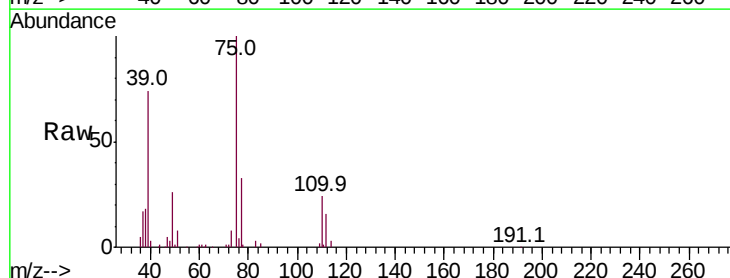
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

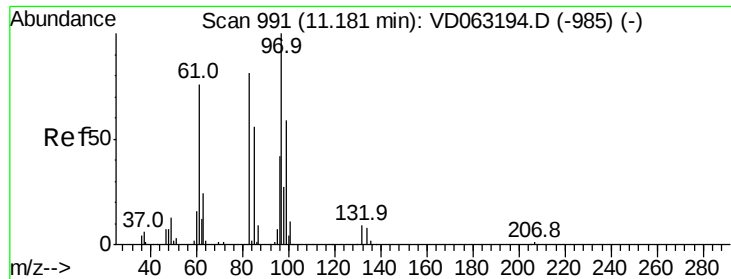
Tot Ion: 75 Resp: 237252
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.620 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion: 75 Resp: 277615
 Ion Ratio Lower Upper
 75 100
 77 33.4 24.9 37.3
 39 73.7 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 21.781 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

Tot Ion: 97 Resp: 123014

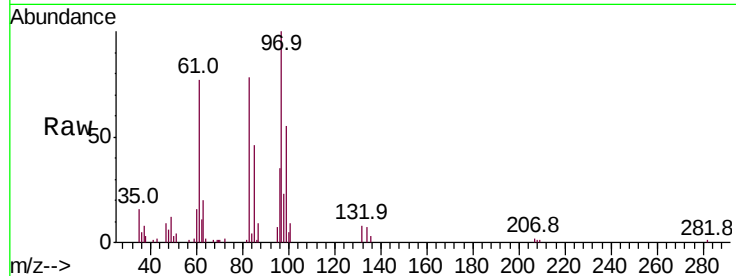
Ion Ratio Lower Upper

97 100

83 77.9 64.8 97.2

85 46.0 44.9 67.3

99 55.0 47.2 70.8

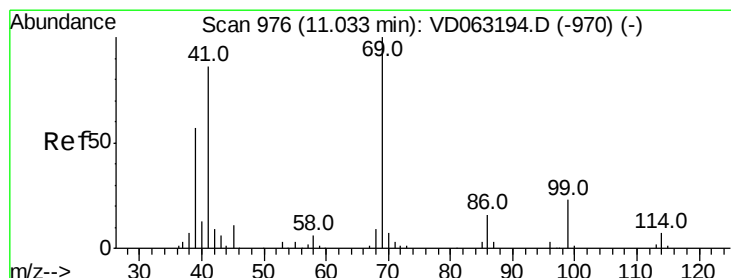
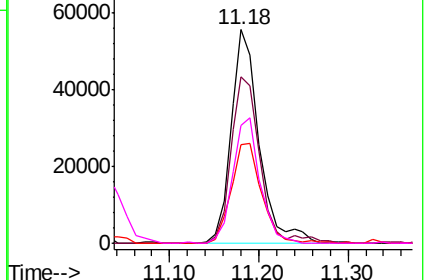
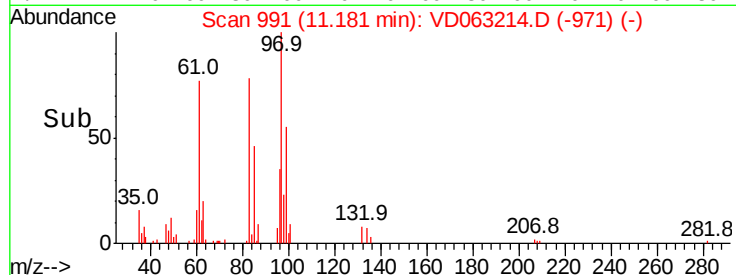


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.256 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

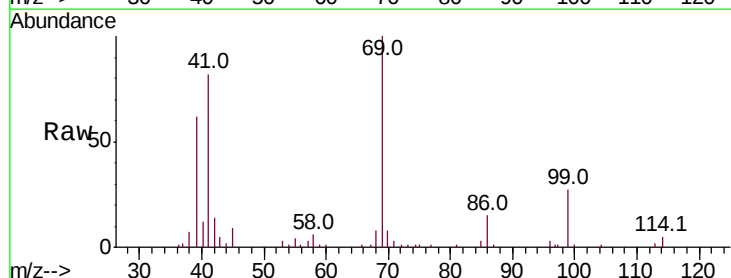
Tgt Ion: 69 Resp: 131457

Ion Ratio Lower Upper

69 100

41 82.3 68.8 103.2

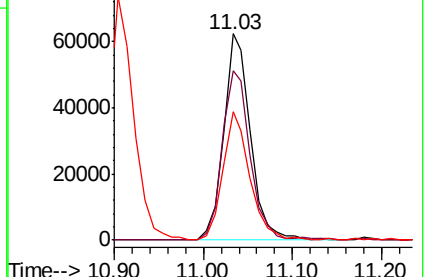
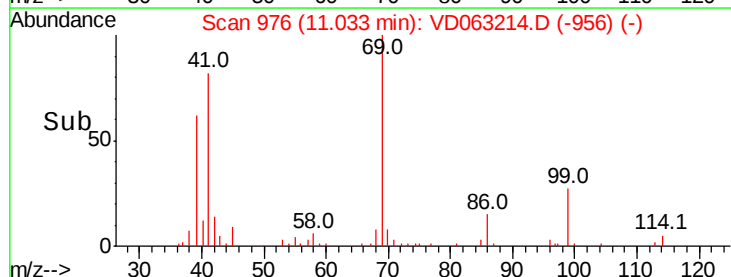
39 62.2 45.8 68.8

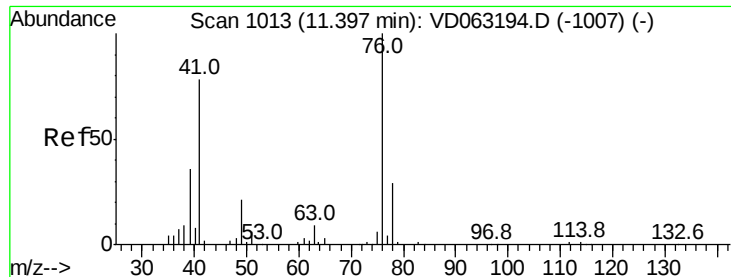


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

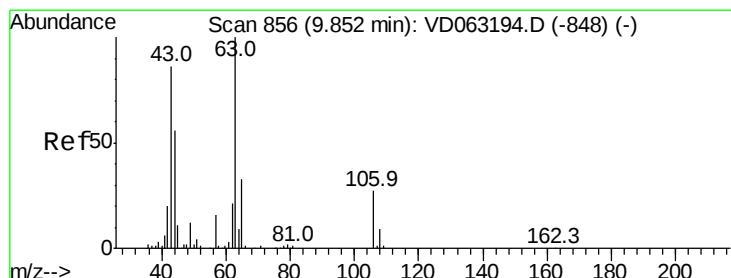
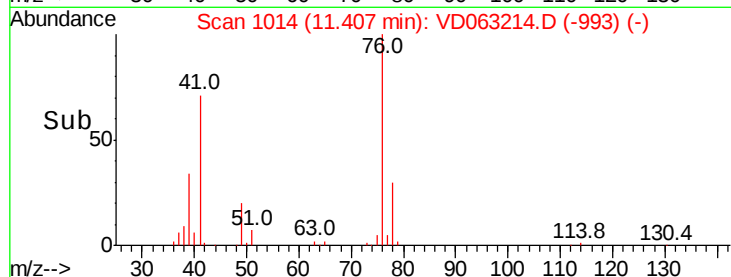
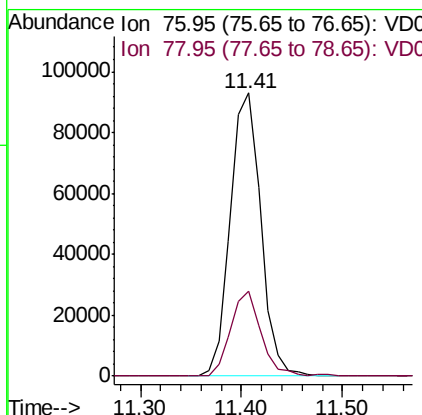
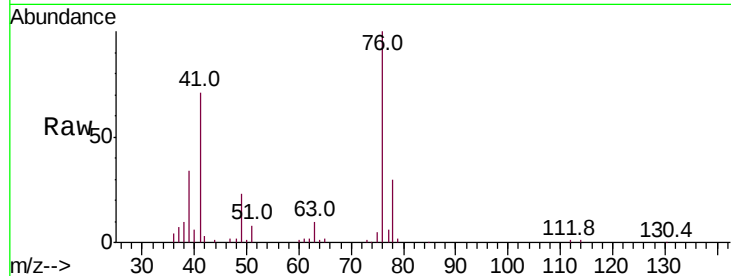




#57
 1,3-Dichloropropane
 Concen: 21.943 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

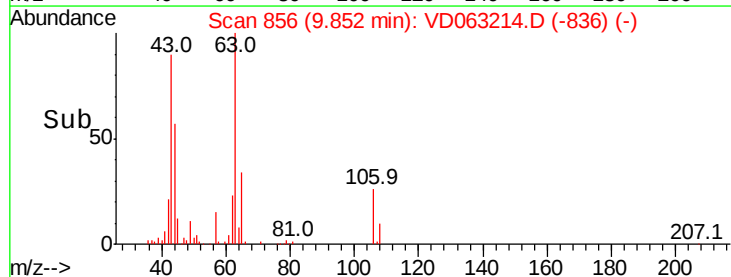
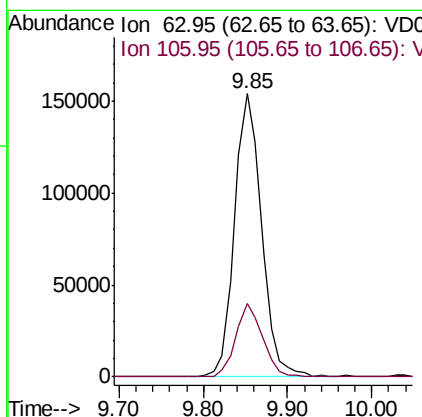
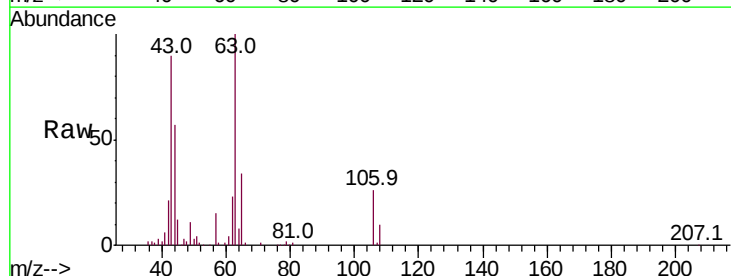
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

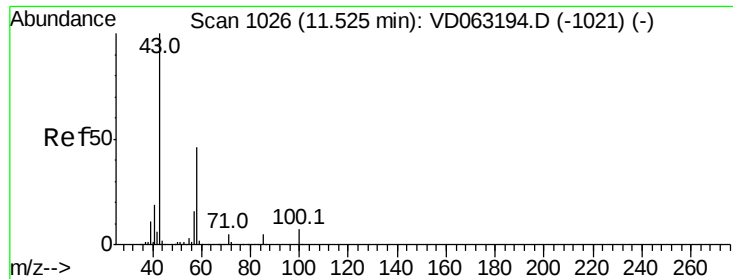
Tot Ion: 76 Resp: 195257
 Ion Ratio Lower Upper
 76 100
 78 30.0 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.892 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion: 63 Resp: 343974
 Ion Ratio Lower Upper
 63 100
 106 25.9 22.0 33.0

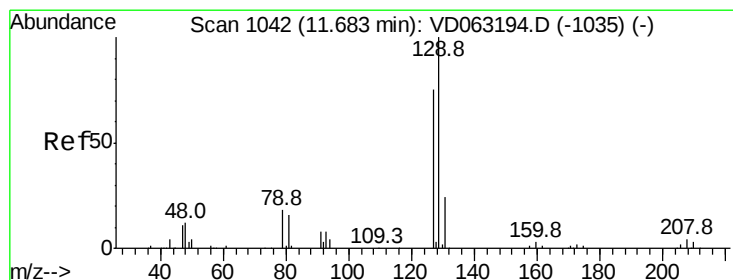
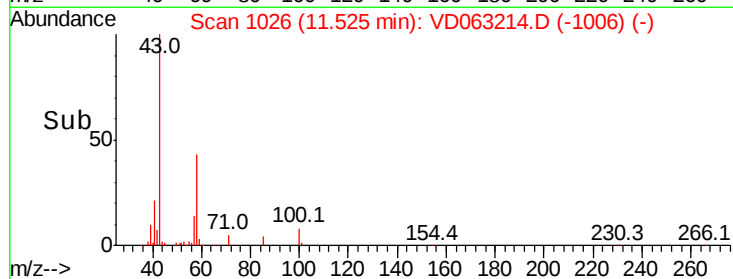
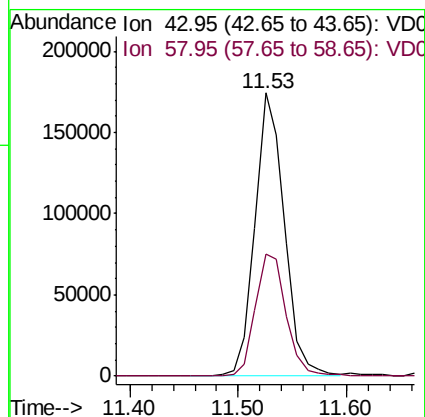
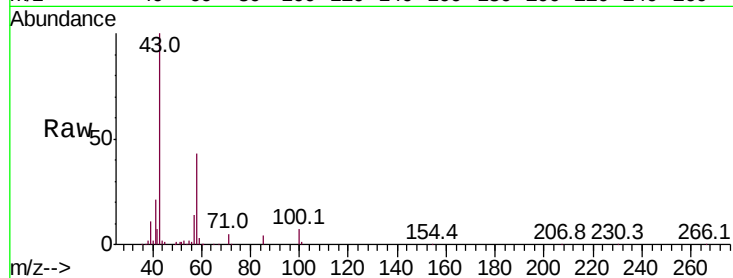




#59
2-Hexanone
Concen: 97.924 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

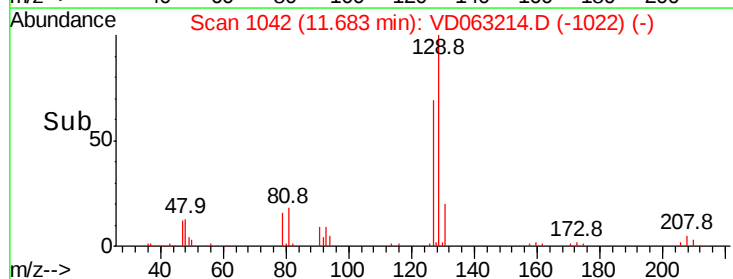
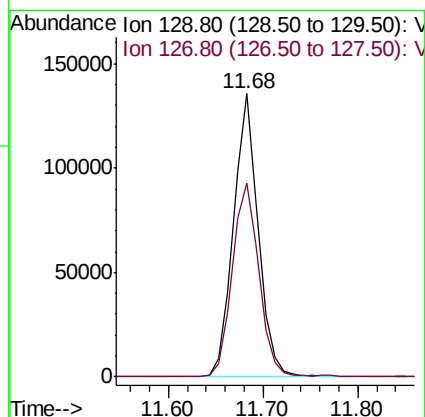
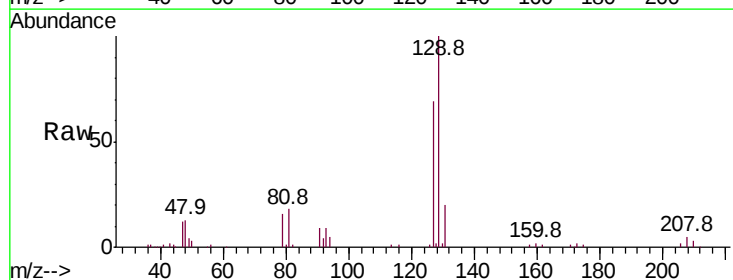
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

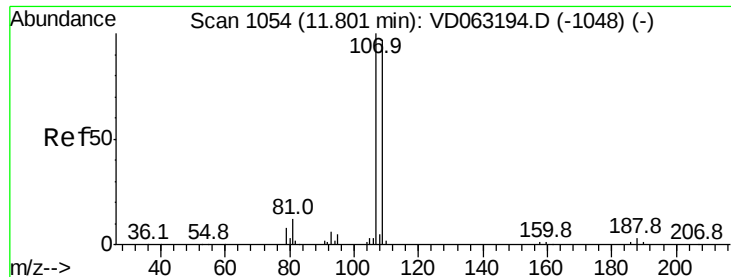
Tot Ion: 43 Resp: 330404
Ion Ratio Lower Upper
43 100
58 43.2 22.9 68.5



#60
Dibromochloromethane
Concen: 22.973 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 129 Resp: 244930
Ion Ratio Lower Upper
129 100
127 68.5 37.6 112.8

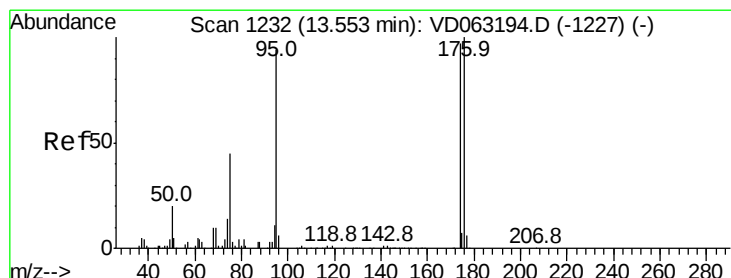
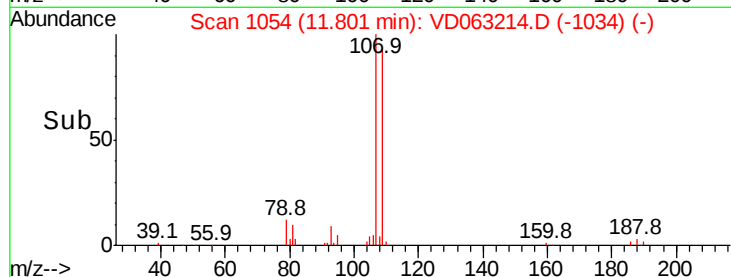
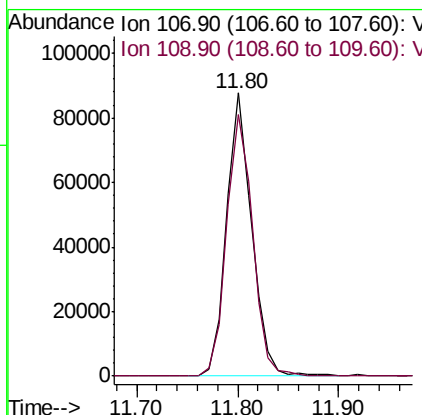
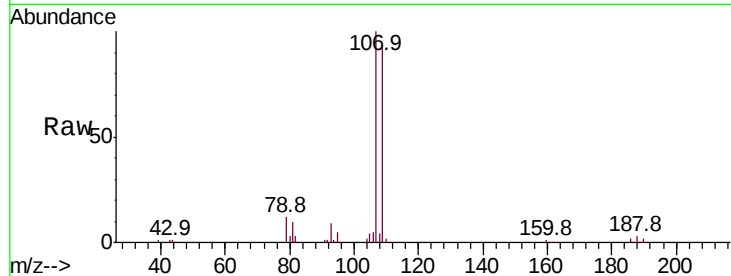




#61
 1,2-Dibromoethane
 Concen: 21.764 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

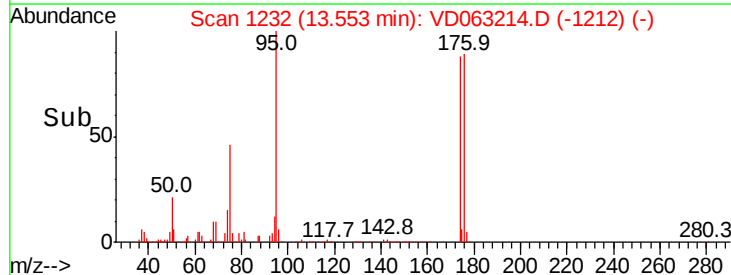
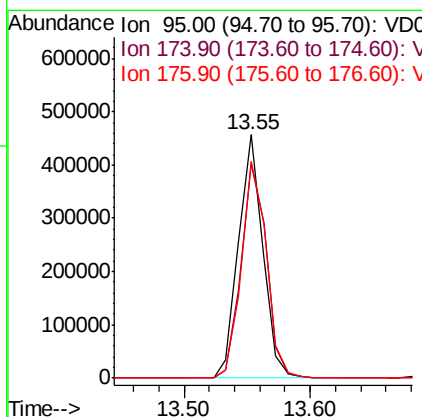
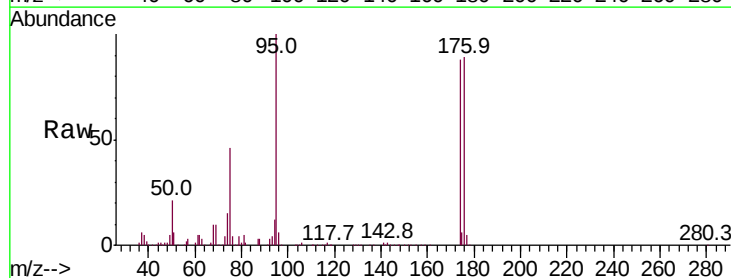
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

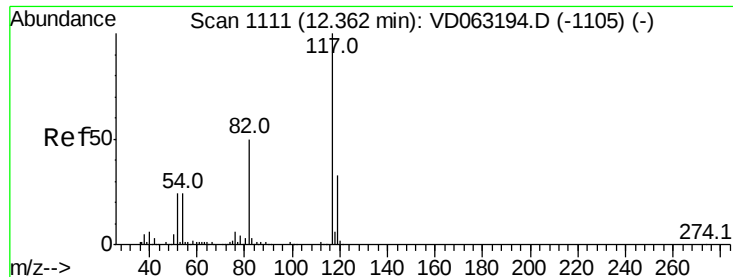
Tot Ion:107 Resp: 151668
 Ion Ratio Lower Upper
 107 100
 109 92.6 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 53.057 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion: 95 Resp: 607273
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 205.4
 176 88.8 0.0 211.8

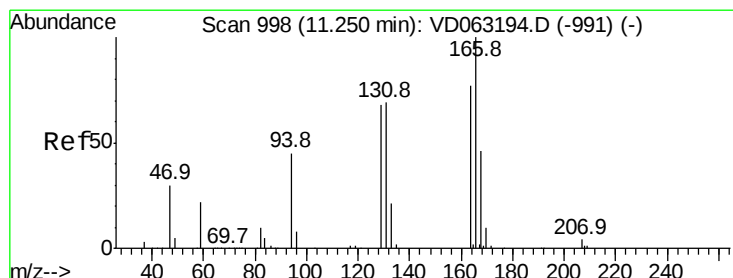
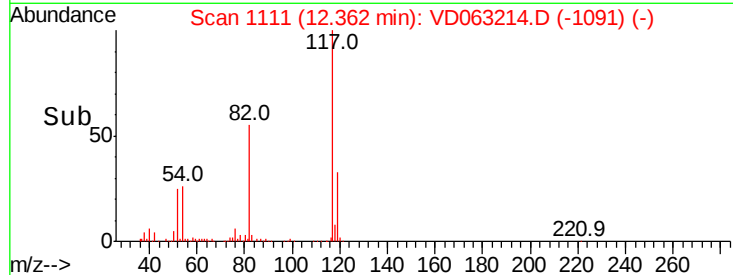
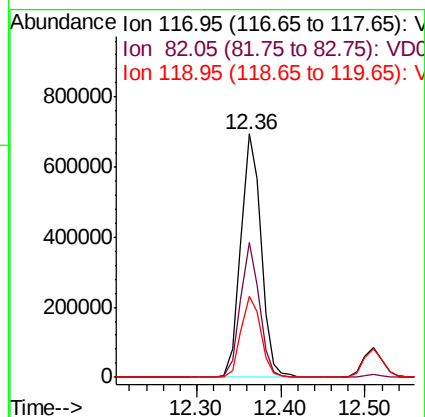
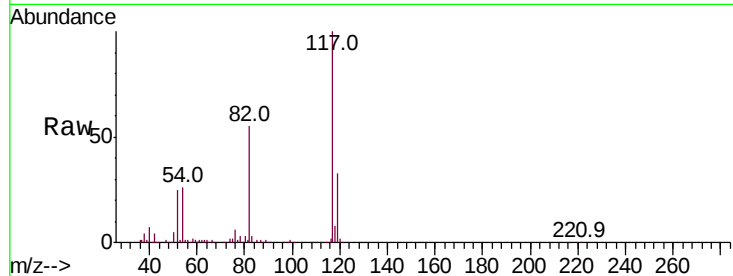




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

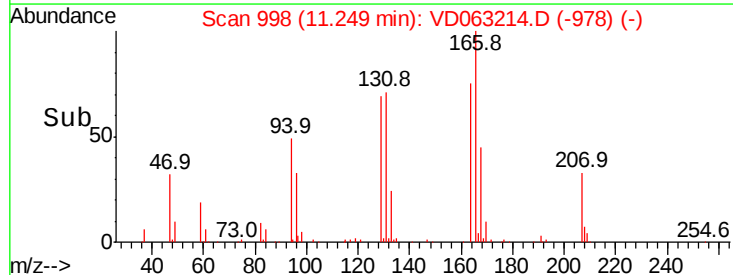
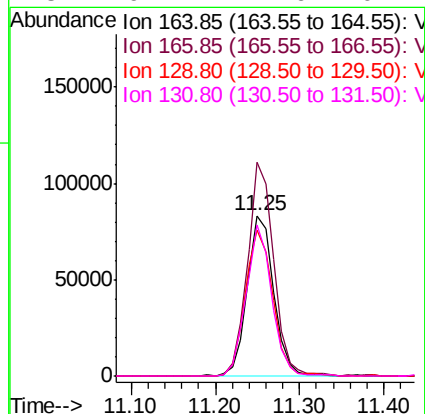
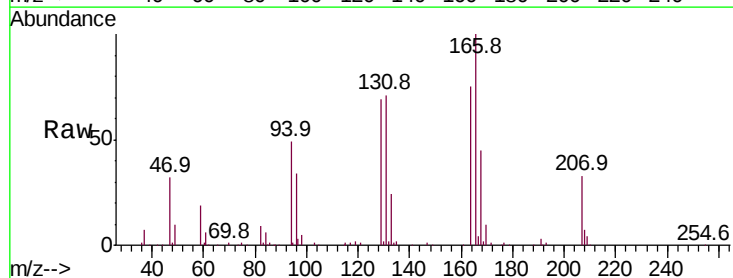
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

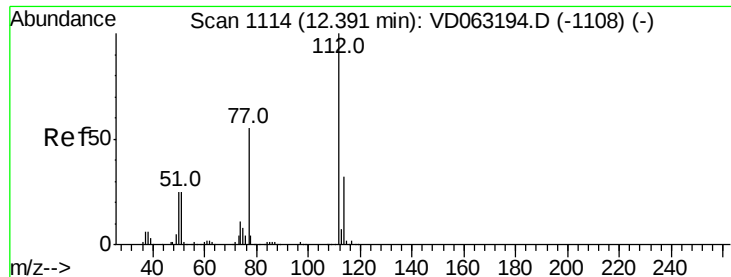
Tot Ion:117 Resp: 1164114
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 33.5 26.5 39.7



#64
Tetrachloroethene
Concen: 19.869 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion:164 Resp: 184262
Ion Ratio Lower Upper
164 100
166 133.0 104.3 156.5
129 91.2 70.9 106.3
131 94.2 71.6 107.4

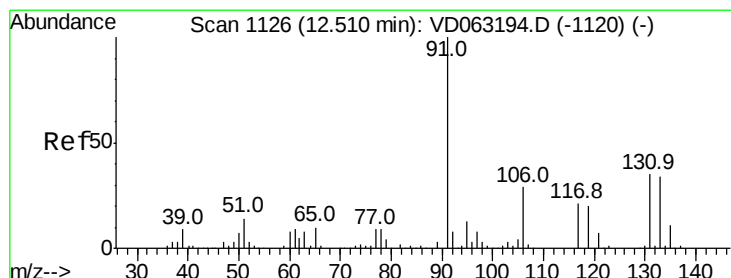
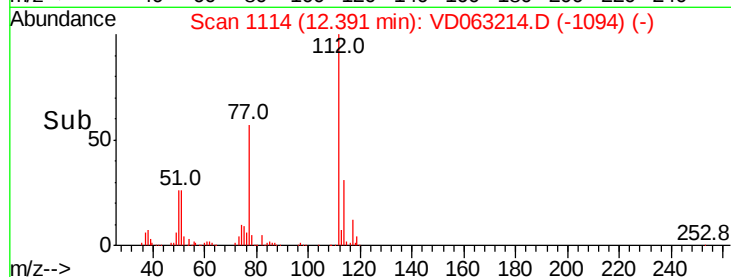
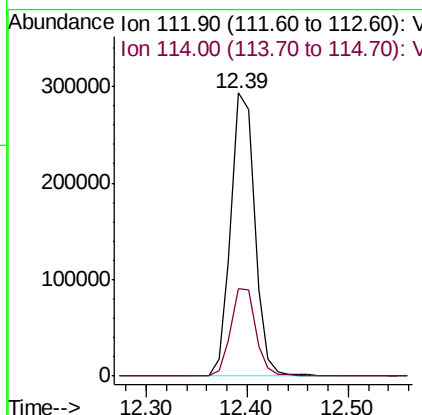
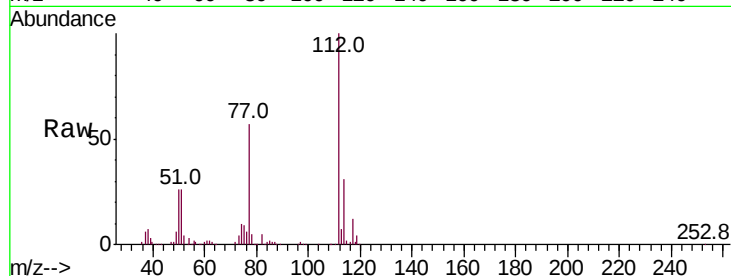




#65
Chlorobenzene
Concen: 21.694 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

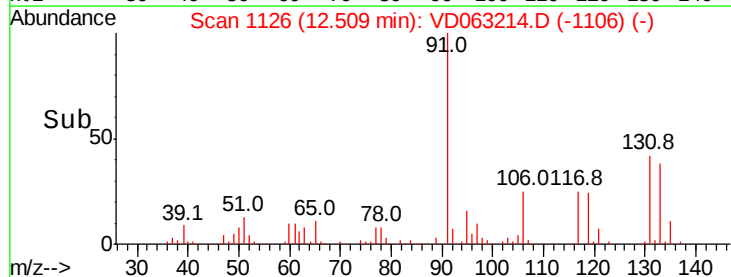
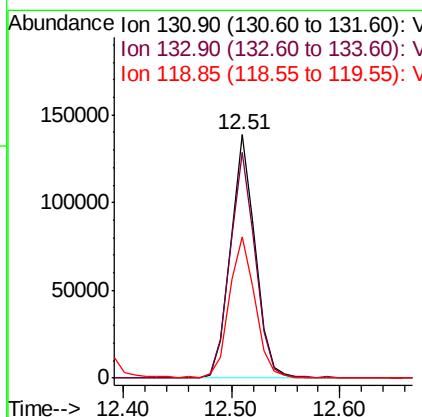
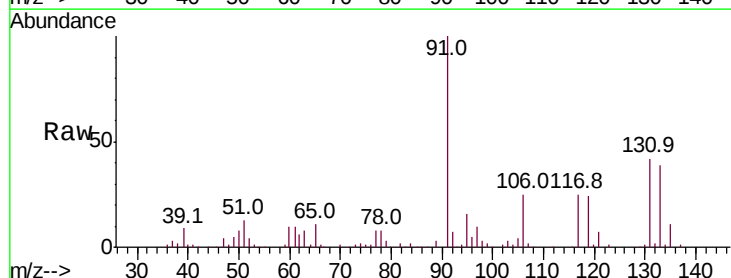
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

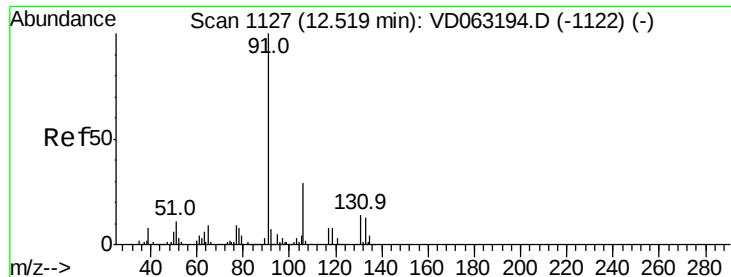
Tot Ion:112 Resp: 485748
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.390 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion:131 Resp: 220835
Ion Ratio Lower Upper
131 100
133 92.5 48.4 145.2
119 58.0 29.1 87.3

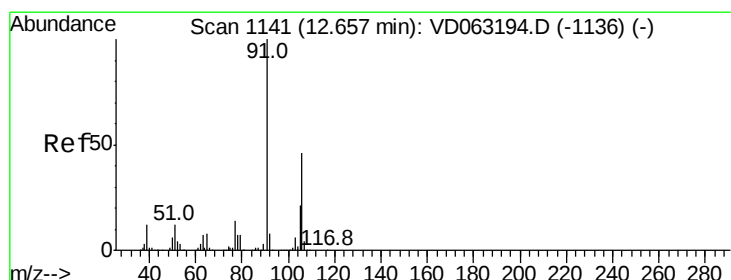
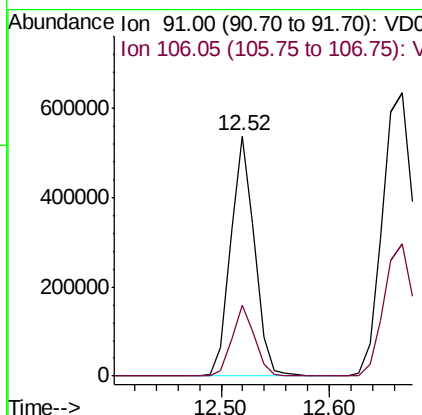
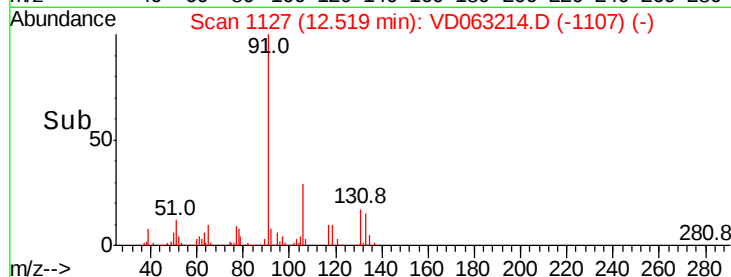
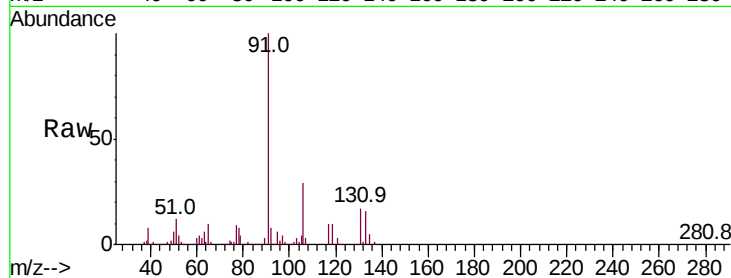




#67
Ethyl Benzene
Concen: 21.668 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

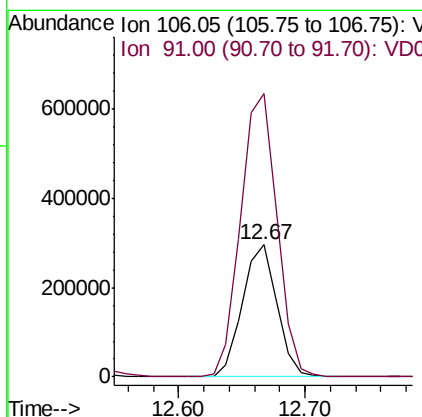
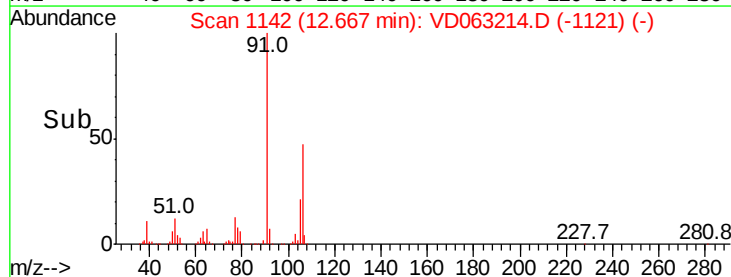
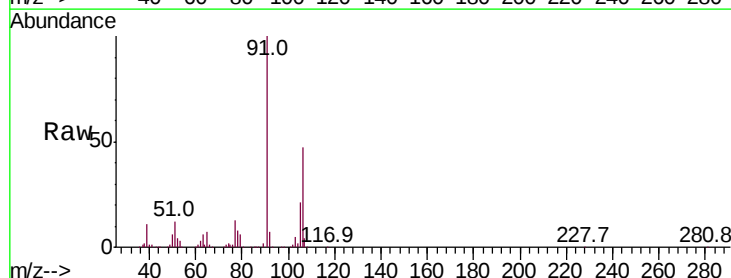
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

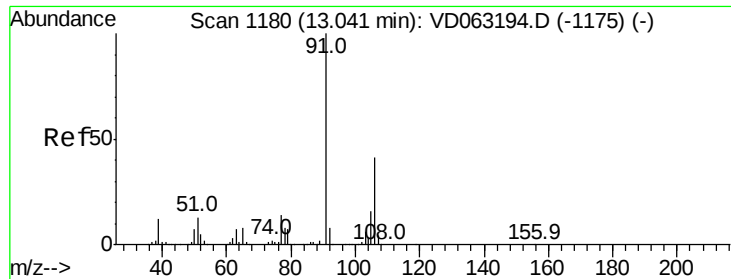
Tot Ion: 91 Resp: 824194
Ion Ratio Lower Upper
91 100
106 29.3 22.9 34.3



#68
m/p-Xylenes
Concen: 40.327 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 106 Resp: 562545
Ion Ratio Lower Upper
106 100
91 214.2 172.6 259.0

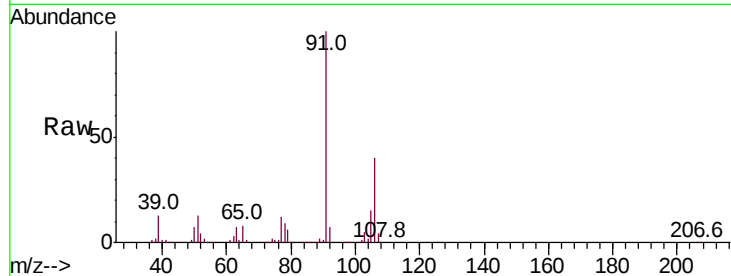




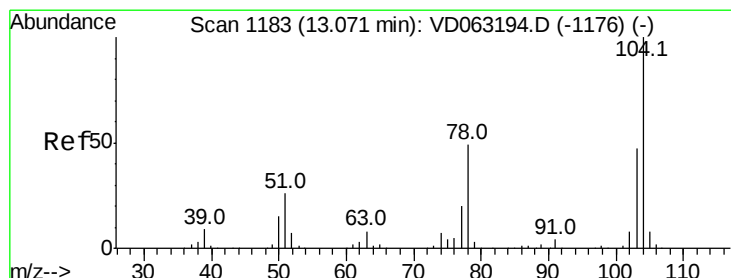
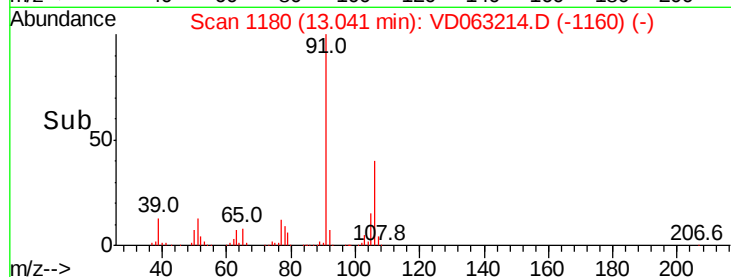
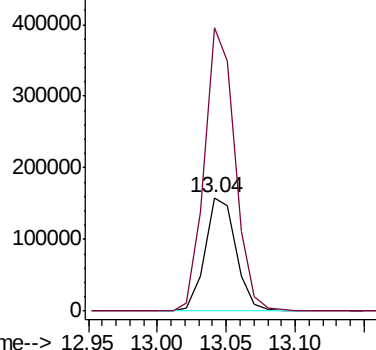
#69
o-Xylene
Concen: 19.490 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

Tot Ion:106 Resp: 249663
Ion Ratio Lower Upper
106 100
91 248.8 121.3 363.9

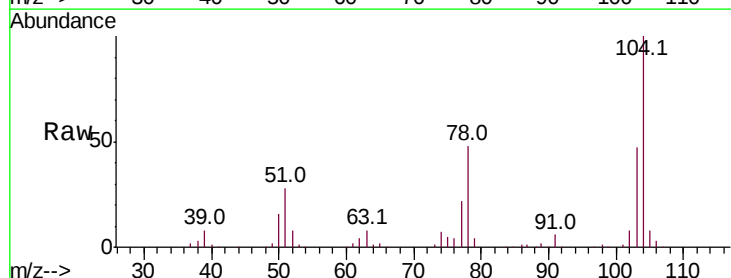


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

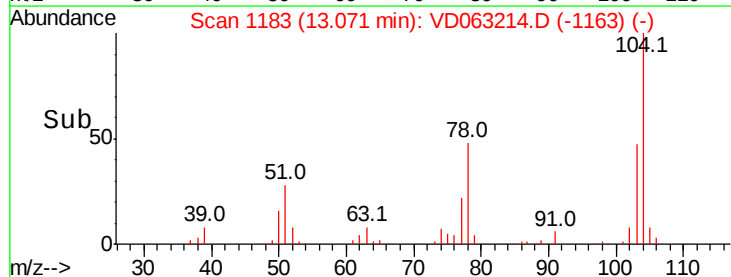
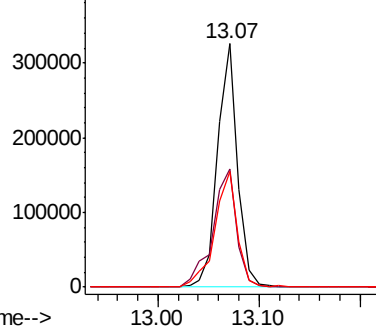


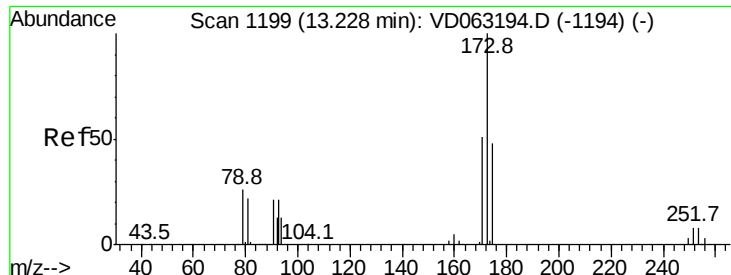
#70
Styrene
Concen: 19.924 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion:104 Resp: 452631
Ion Ratio Lower Upper
104 100
78 48.3 39.4 59.0
103 47.3 37.4 56.2



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

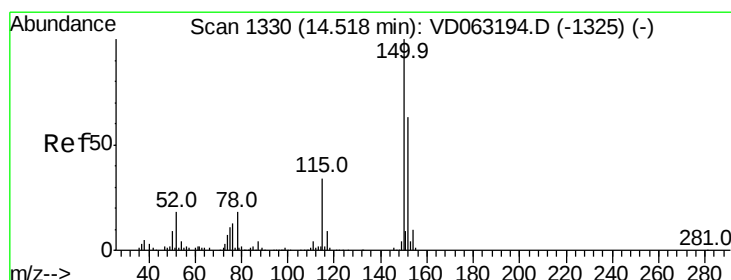
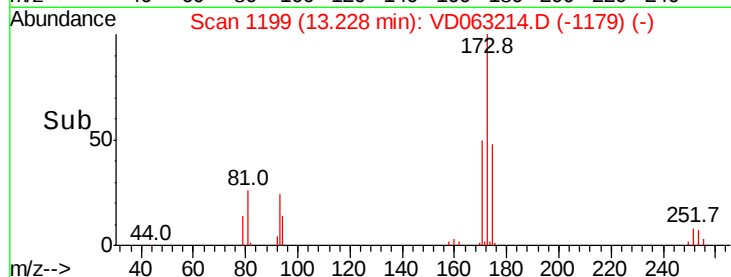
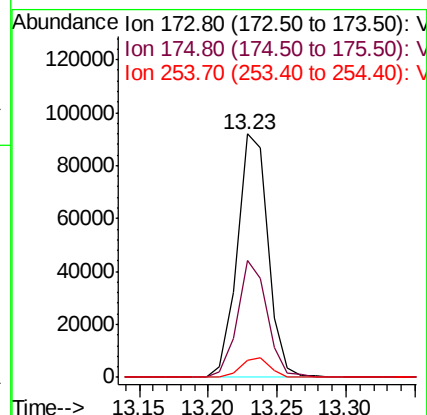
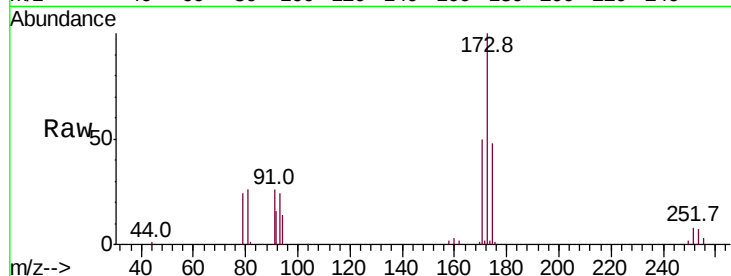




#71
Bromoform
Concen: 19.963 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

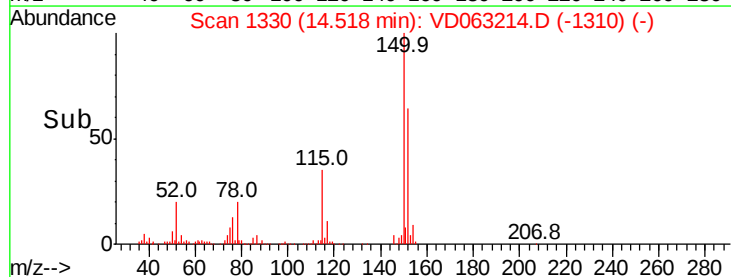
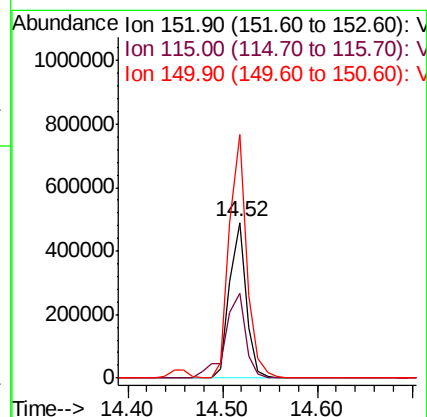
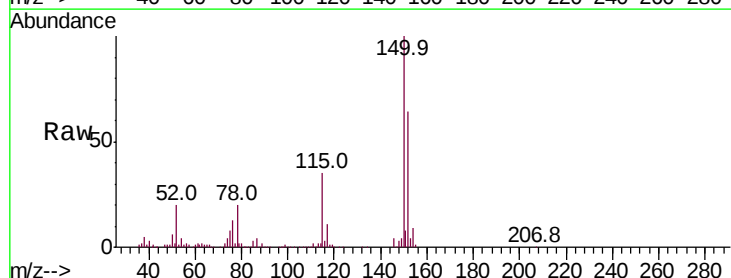
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

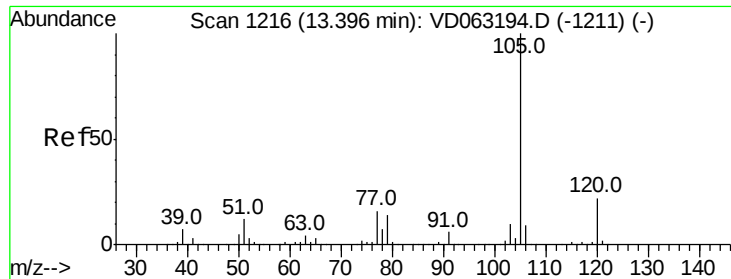
Tot Ion:173 Resp: 143184
Ion Ratio Lower Upper
173 100
175 47.8 23.8 71.5
254 7.0 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion:152 Resp: 601648
Ion Ratio Lower Upper
152 100
115 55.1 27.5 82.4
150 156.8 0.0 320.6





#73

Isopropylbenzene

Concen: 21.483 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

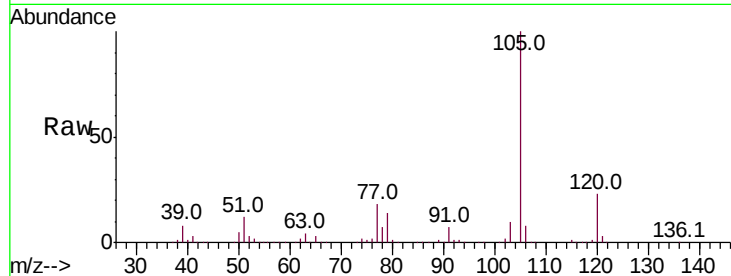
VD0729SBS02

Tot Ion:105 Resp: 811210

Ion Ratio Lower Upper

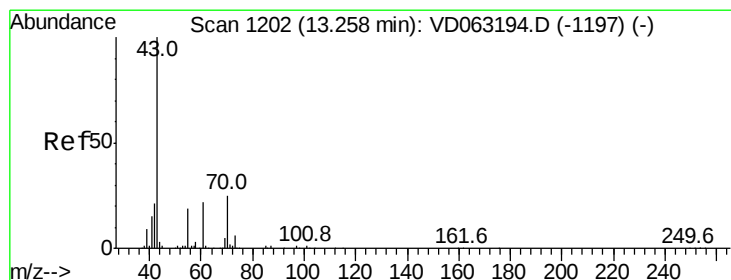
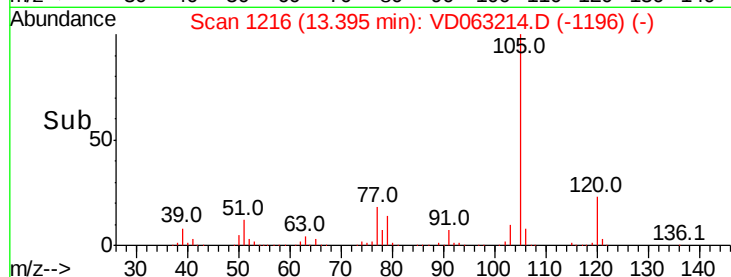
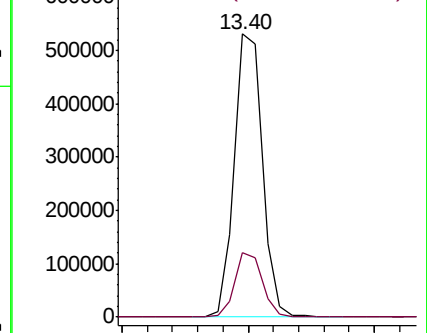
105 100

120 22.7 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.683 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Tgt Ion: 43 Resp: 196489

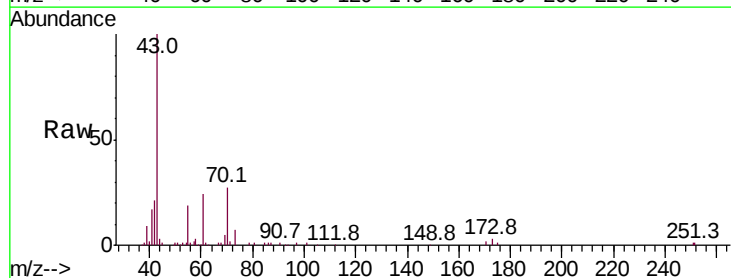
Ion Ratio Lower Upper

43 100

70 26.6 20.2 30.4

55 19.1 14.9 22.3

61 24.5 17.9 26.9

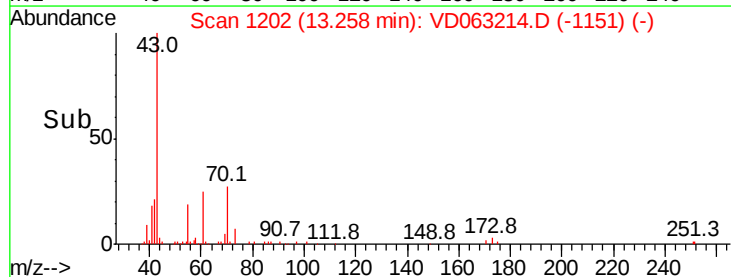
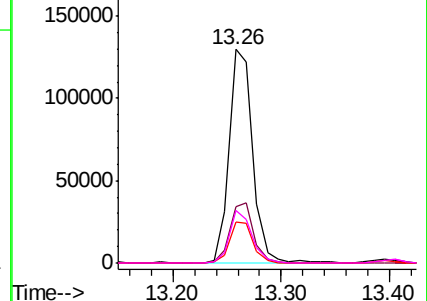


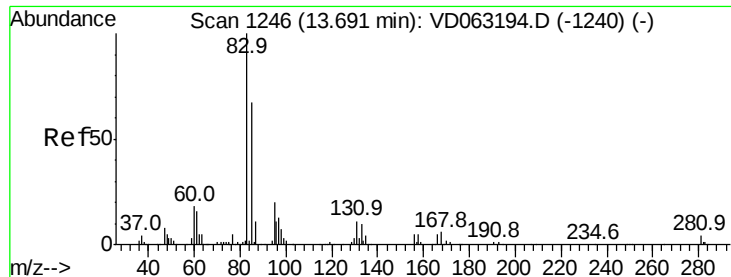
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.223 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

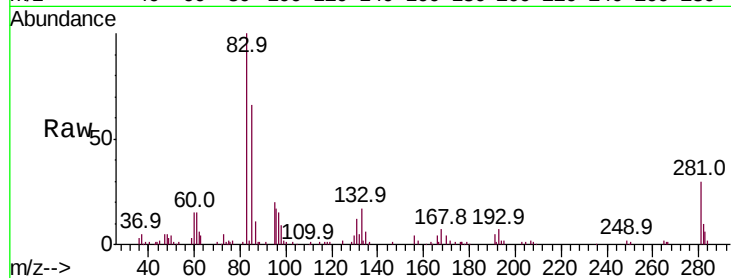
Tot Ion: 83 Resp: 136131

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.7

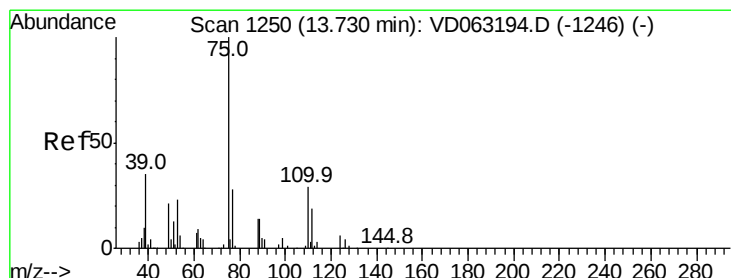
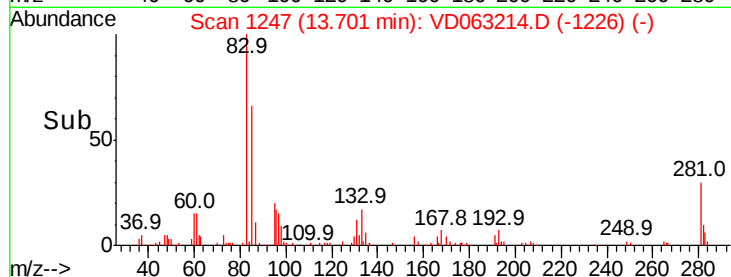
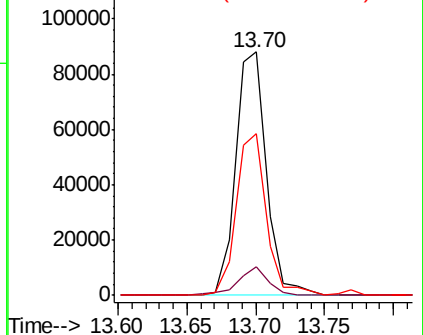
85 66.5 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.241 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063214.D

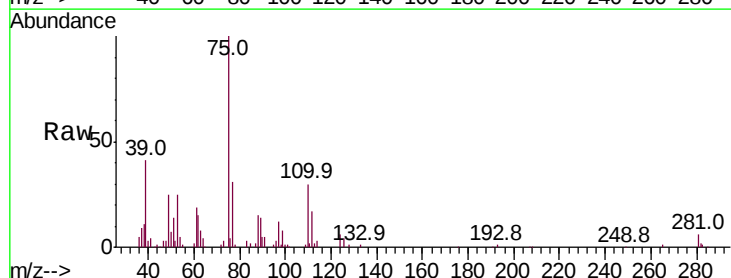
Acq: 29 Jul 2019 23:56

Tgt Ion: 75 Resp: 160728

Ion Ratio Lower Upper

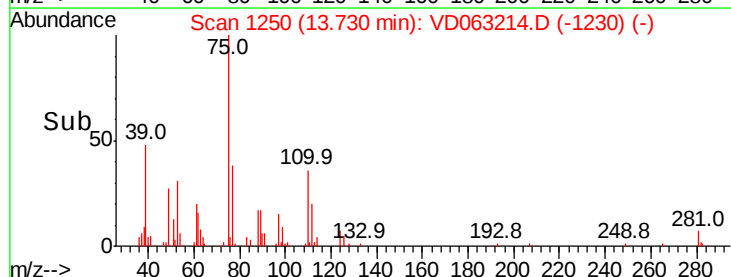
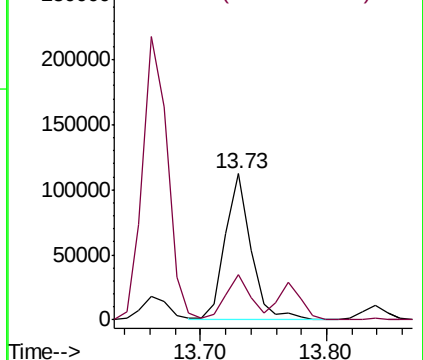
75 100

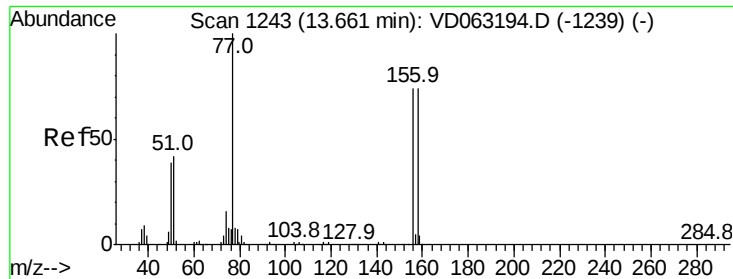
77 31.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.896 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

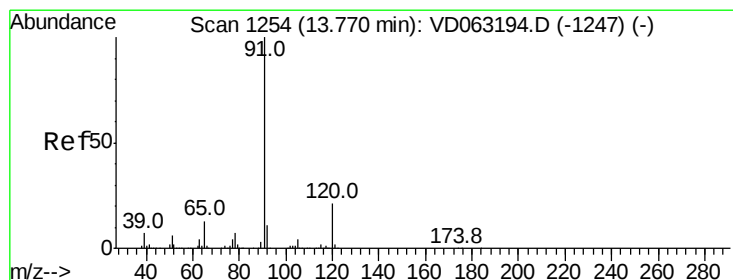
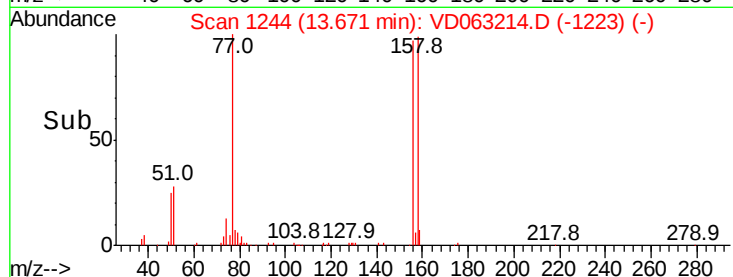
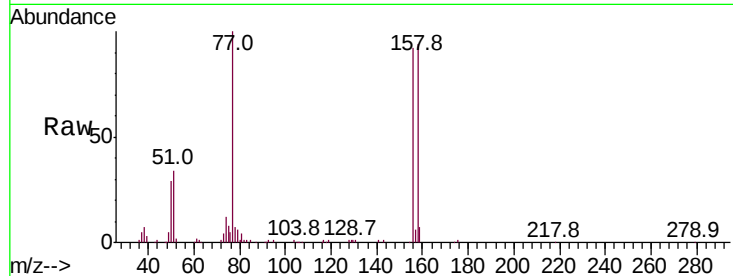
Tot Ion:156 Resp: 224776

Ion Ratio Lower Upper

156 100

77 108.7 67.6 202.8

158 102.4 49.8 149.4



#78

n-propylbenzene

Concen: 20.528 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063214.D

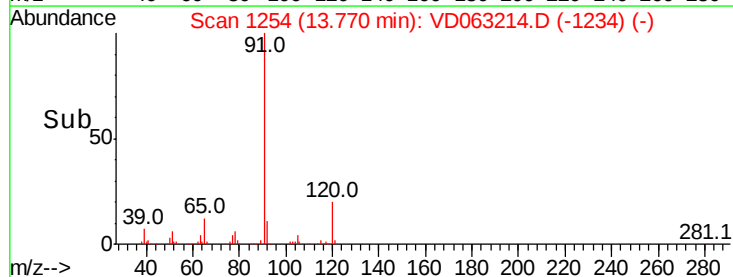
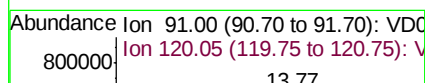
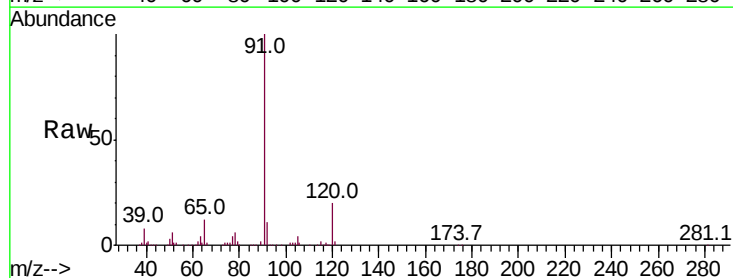
Acq: 29 Jul 2019 23:56

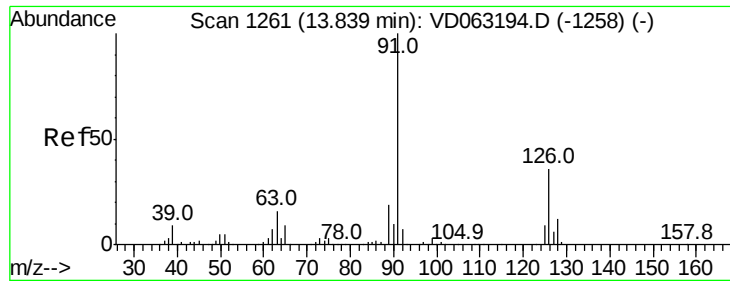
Tgt Ion: 91 Resp: 922461

Ion Ratio Lower Upper

91 100

120 19.6 10.7 32.1

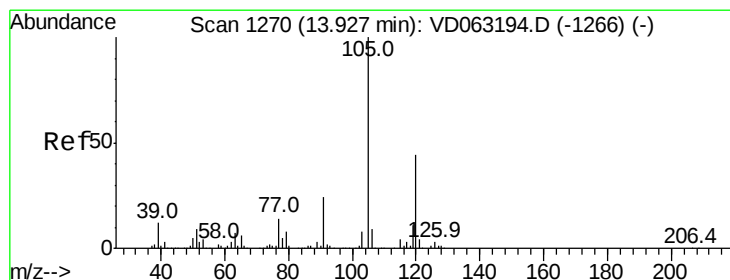
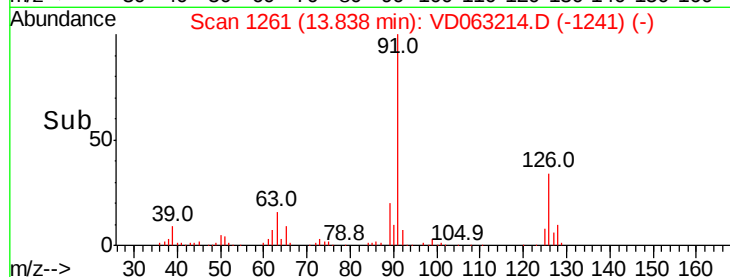
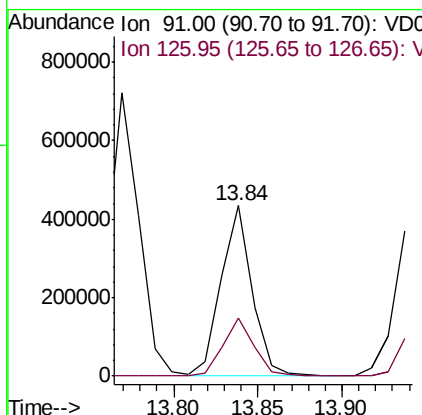
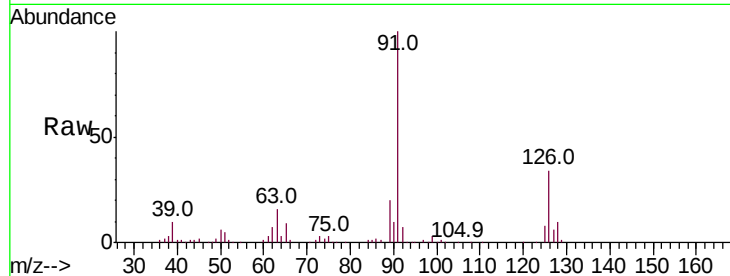




#79
 2-Chlorotoluene
 Concen: 21.277 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

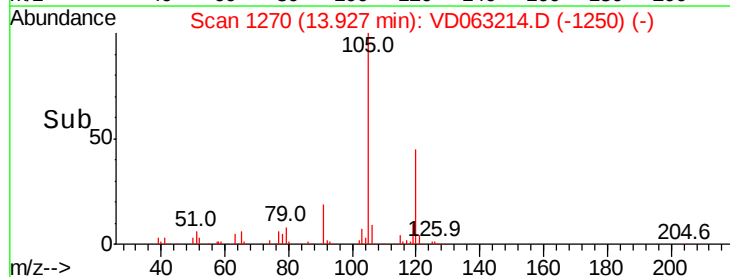
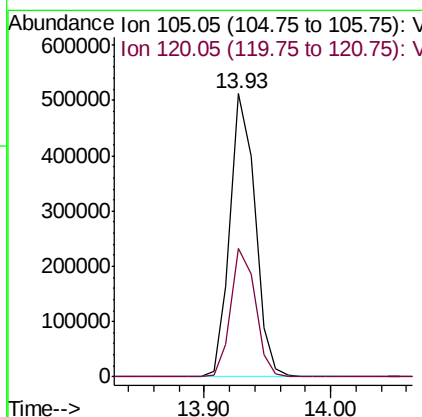
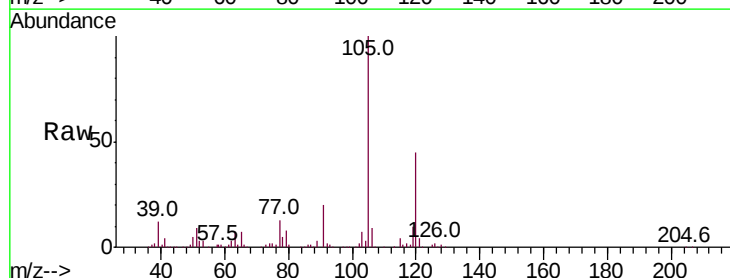
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

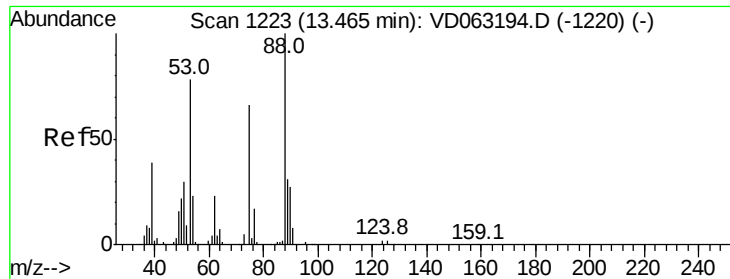
Tot Ion: 91 Resp: 554000
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.605 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion:105 Resp: 703657
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.857 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

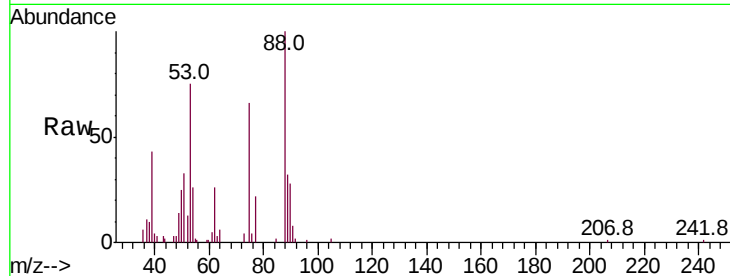
Tot Ion: 75 Resp: 35833

Ion Ratio Lower Upper

75 100

53 115.0 94.9 142.3

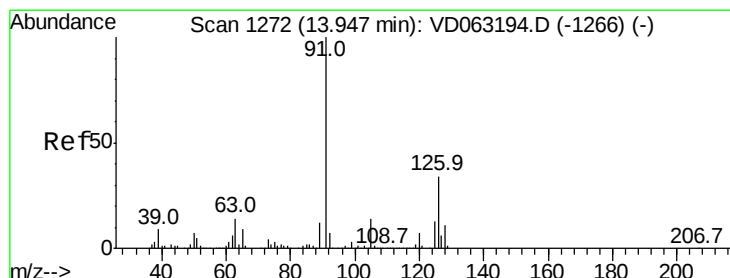
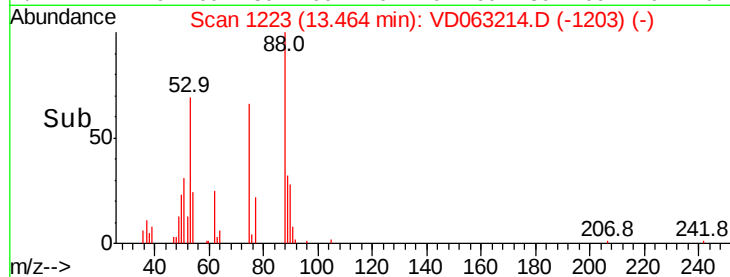
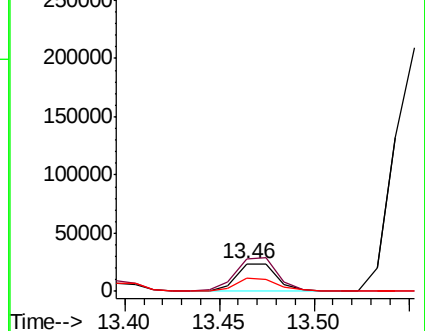
89 49.2 37.4 56.0



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: 21.782 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063214.D

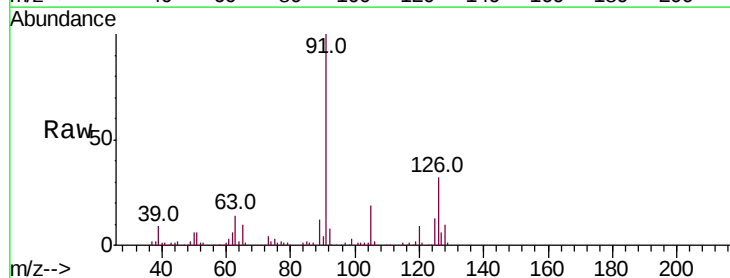
Acq: 29 Jul 2019 23:56

Tgt Ion: 91 Resp: 667476

Ion Ratio Lower Upper

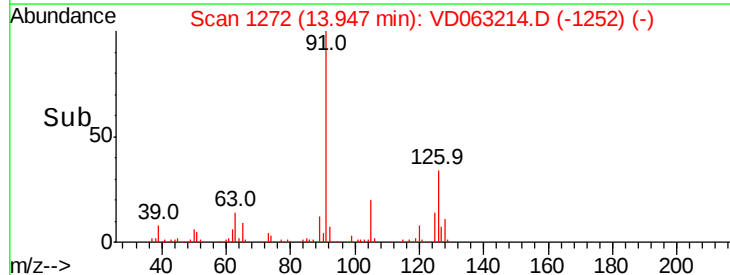
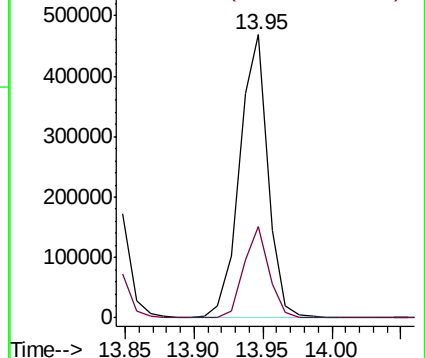
91 100

126 32.3 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: 18.788 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

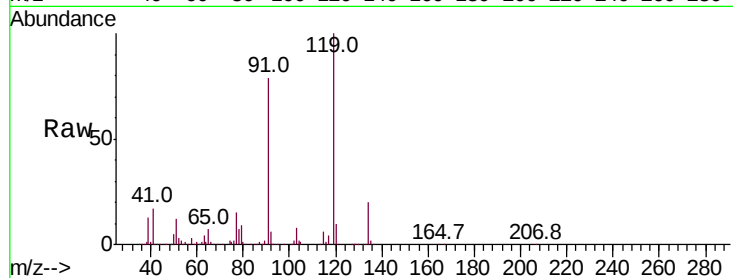
Tot Ion:119 Resp: 698672

Ion Ratio Lower Upper

119 100

91 78.5 39.1 117.5

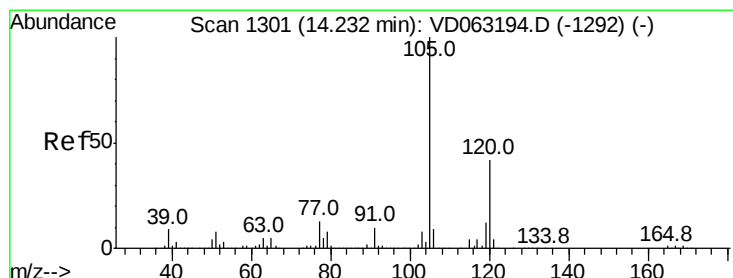
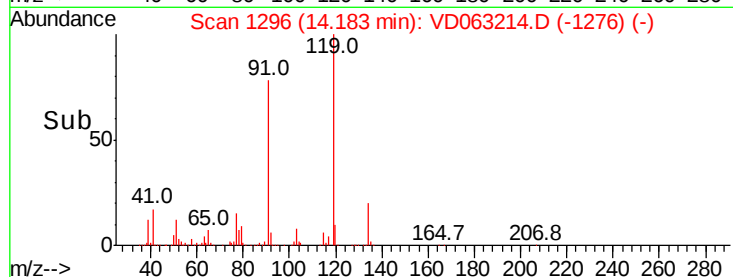
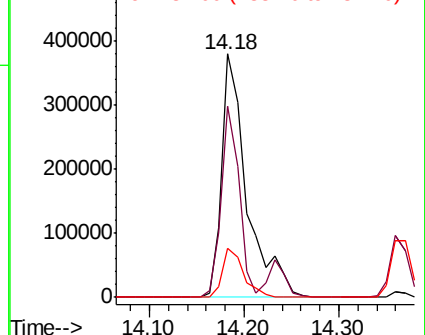
134 20.3 10.9 32.6



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: 20.202 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063214.D

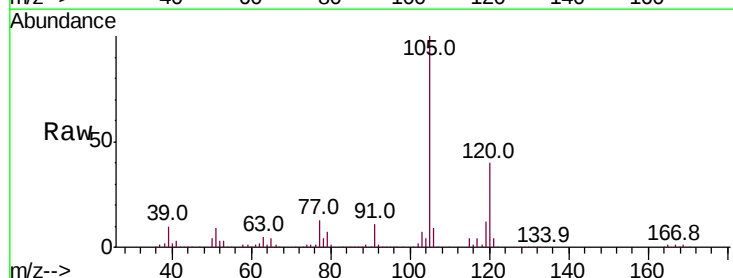
Acq: 29 Jul 2019 23:56

Tgt Ion:105 Resp: 680539

Ion Ratio Lower Upper

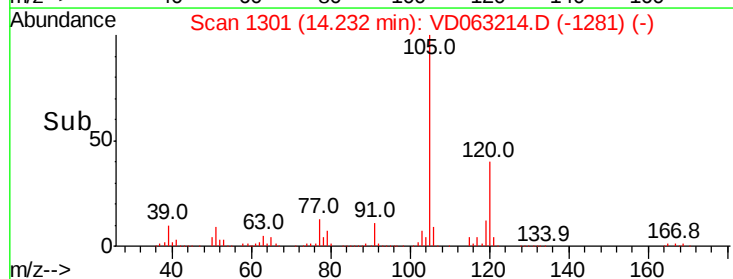
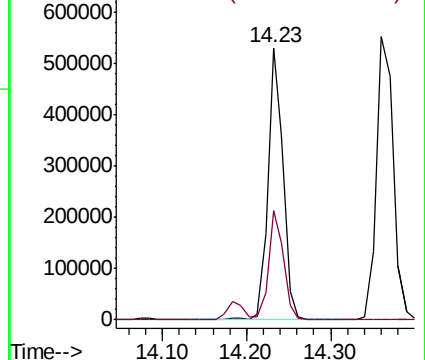
105 100

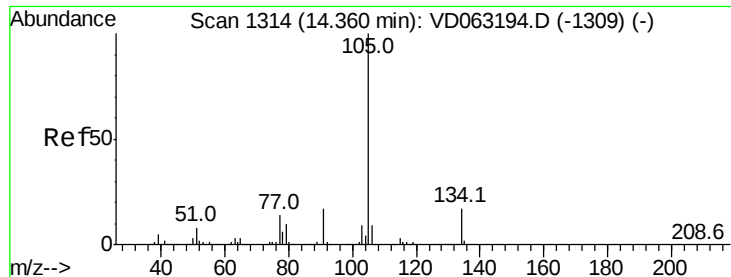
120 40.4 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.561 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

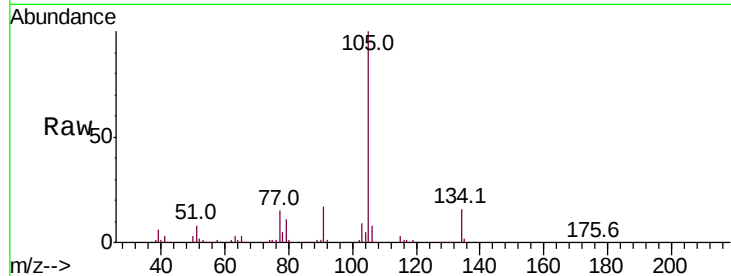
VD0729SBS02

Tot Ion:105 Resp: 766402

Ion Ratio Lower Upper

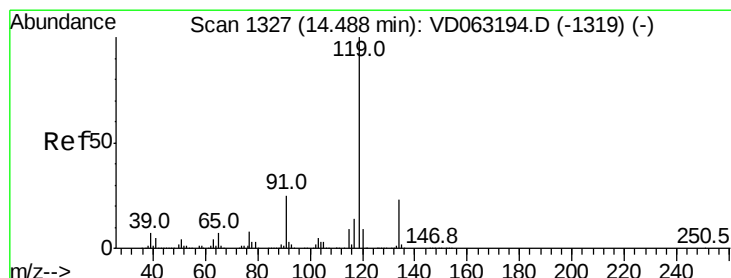
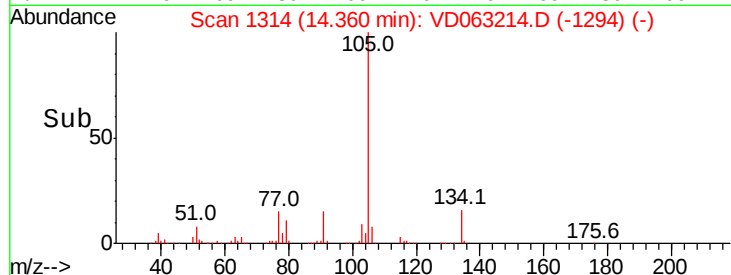
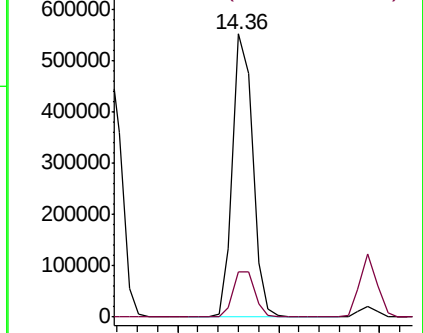
105 100

134 16.1 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.570 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063214.D

Acq: 29 Jul 2019 23:56

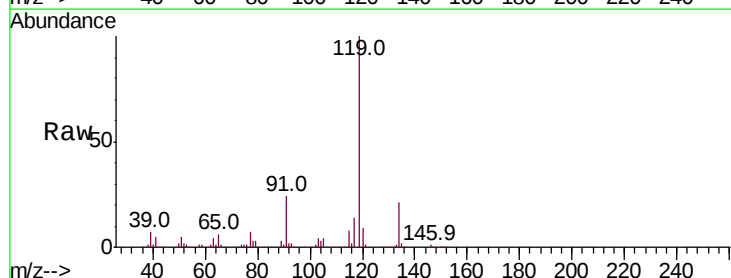
Tgt Ion:119 Resp: 694421

Ion Ratio Lower Upper

119 100

134 21.1 11.5 34.5

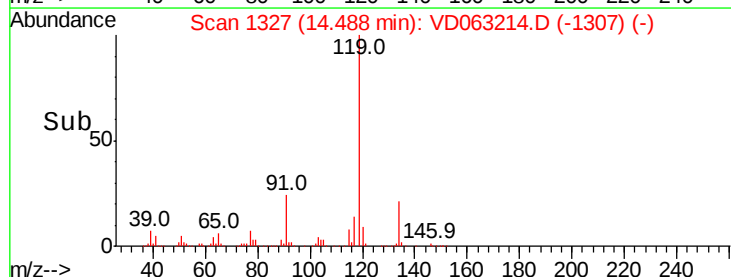
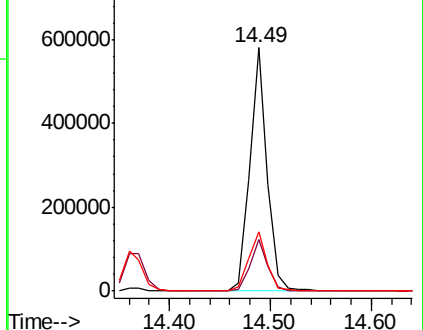
91 24.1 12.6 37.6

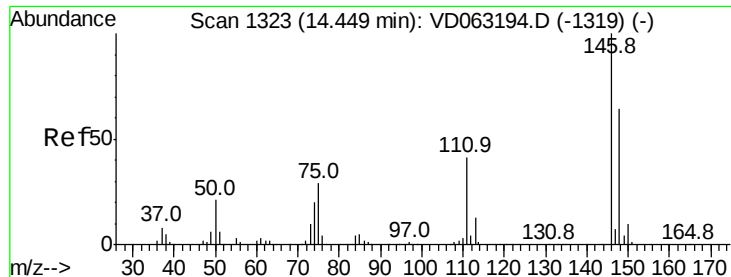


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

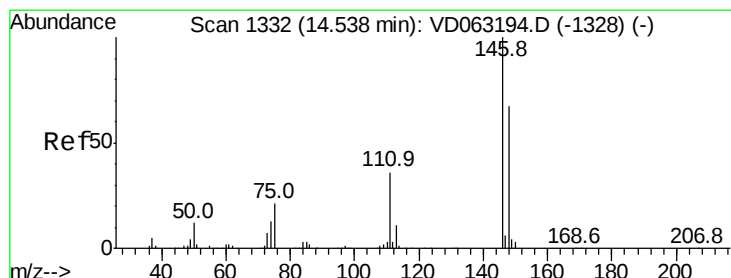
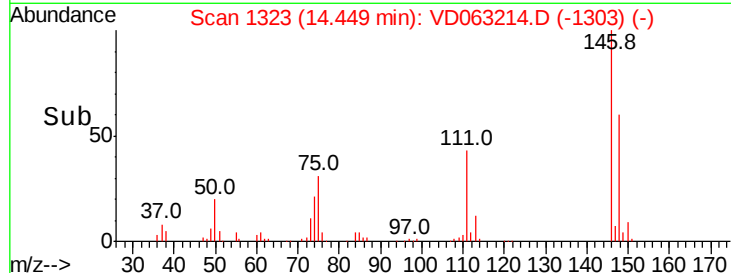
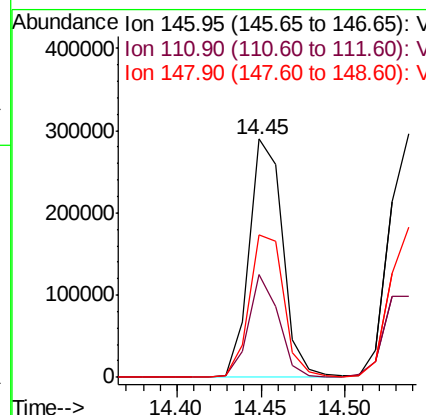
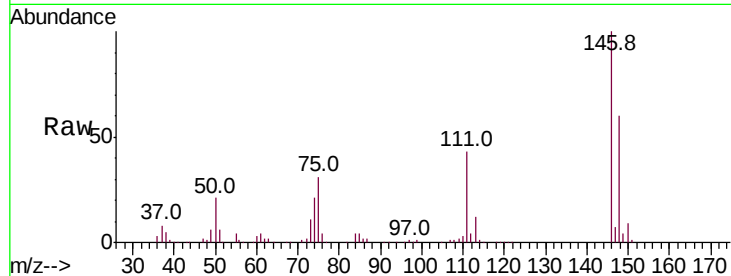




#87
 1,3-Dichlorobenzene
 Concen: 21.022 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

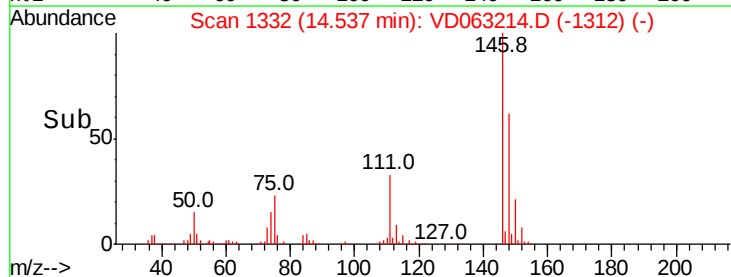
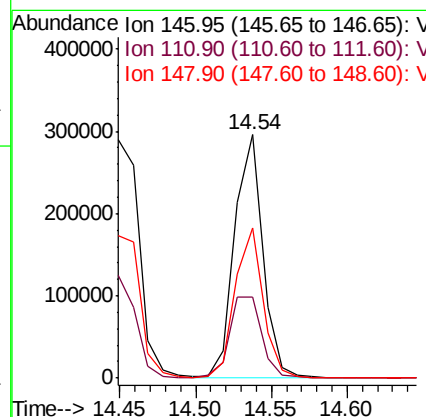
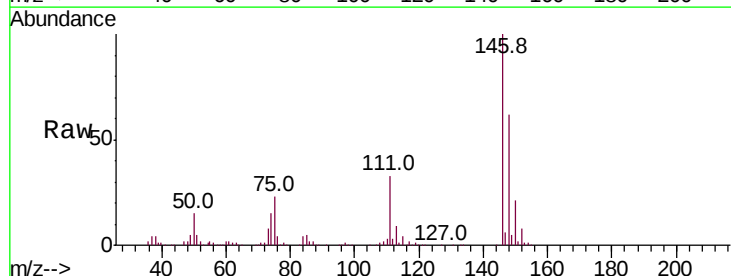
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

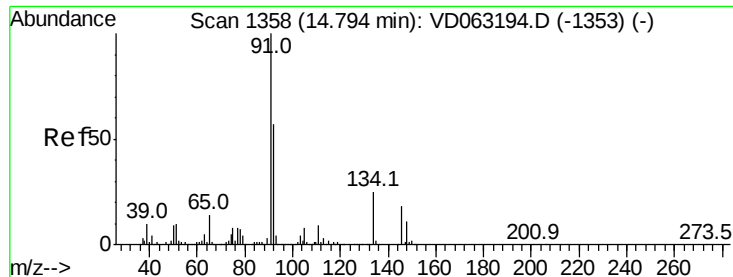
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.4	61.3
148	59.9	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.4	18.1	54.3
148	61.6	33.4	100.1

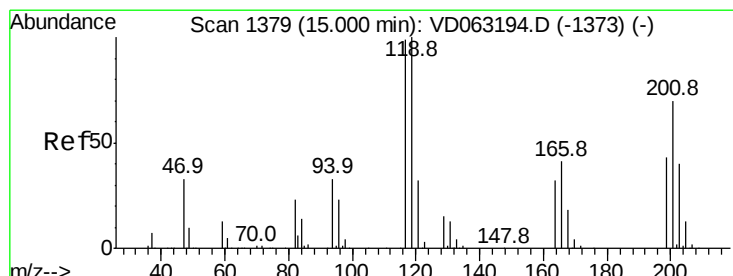
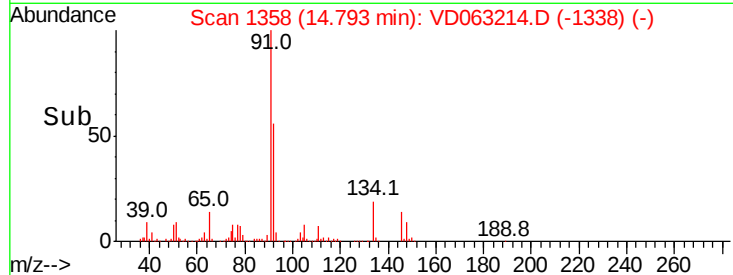
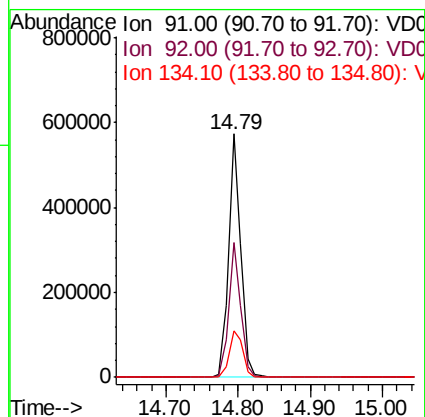
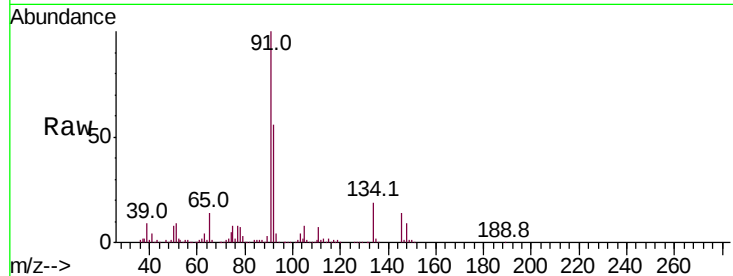




#89
n-Butylbenzene
Concen: 20.681 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

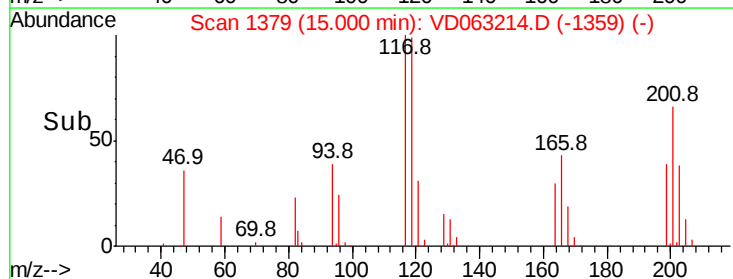
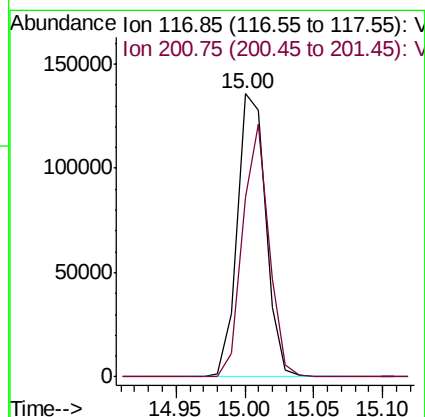
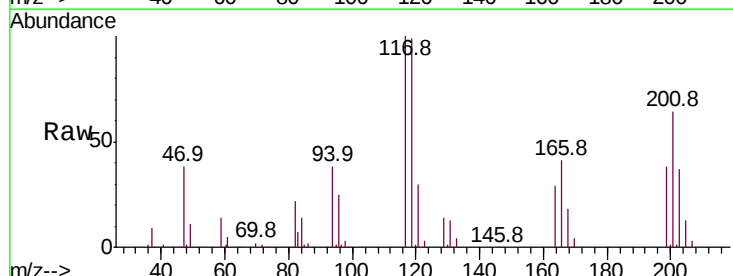
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

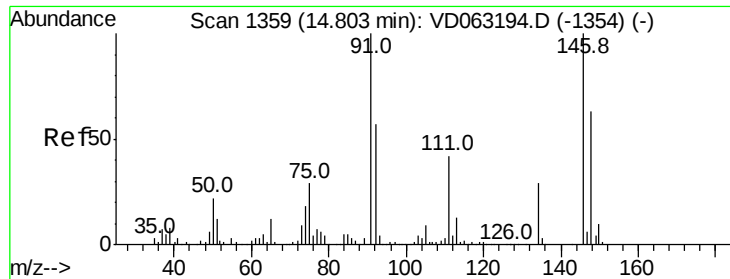
Tot Ion: 91 Resp: 667968
Ion Ratio Lower Upper
91 100
92 55.5 28.3 85.0
134 19.3 12.3 36.8



#90
Hexachloroethane
Concen: 20.257 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion: 117 Resp: 197359
Ion Ratio Lower Upper
117 100
201 63.7 35.2 105.6

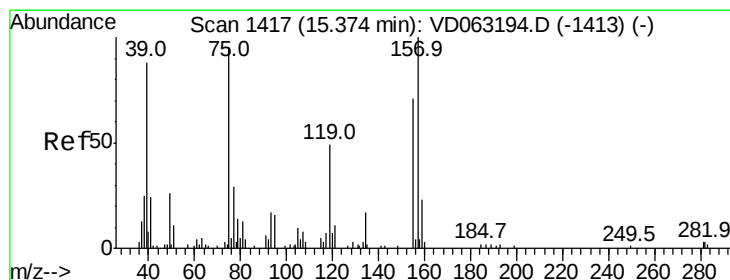
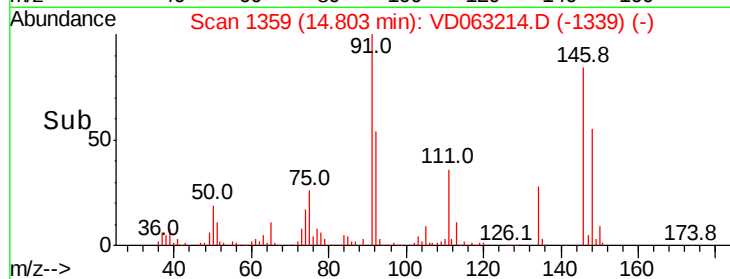
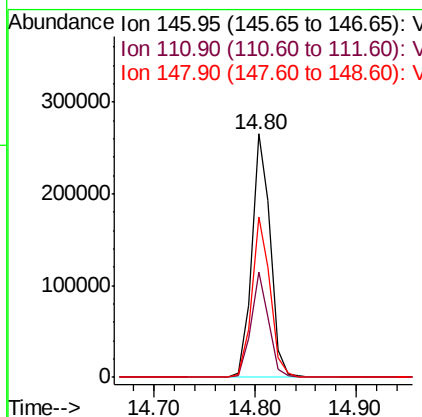
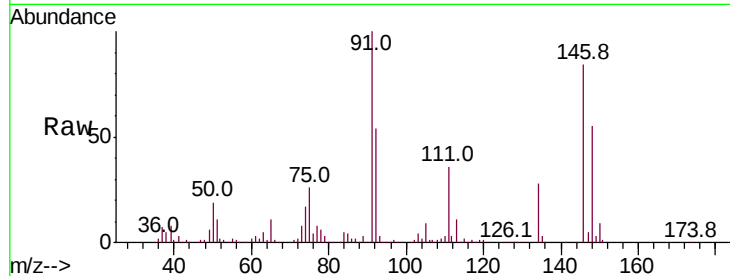




#91
 1,2-Dichlorobenzene
 Concen: 20.702 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

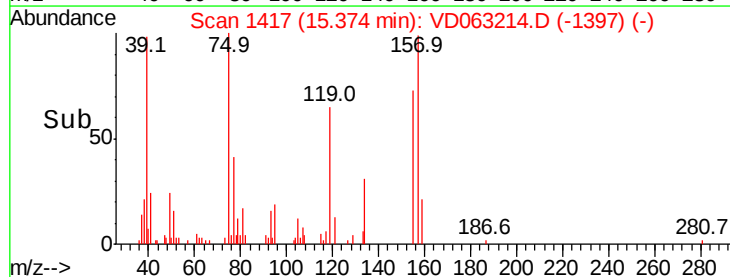
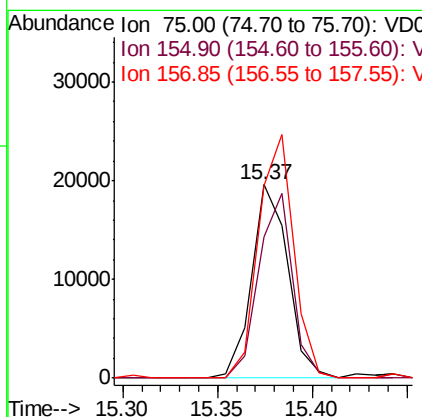
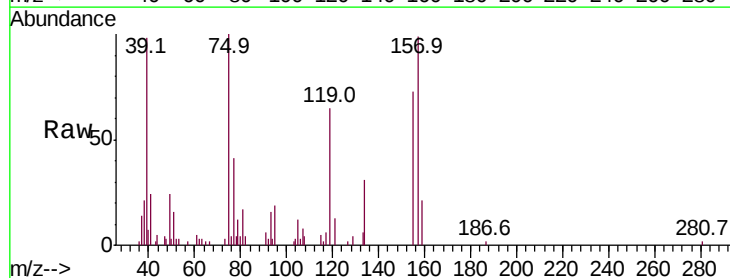
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

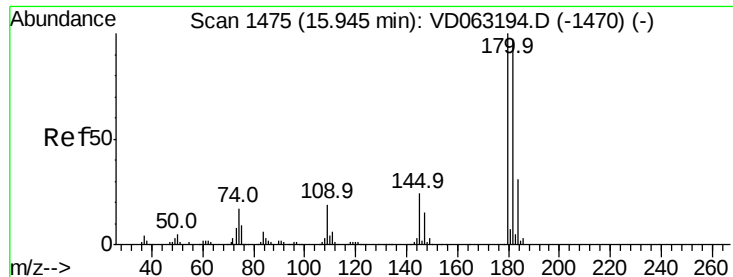
Tot Ion:	146	Resp:	343603
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	65.8	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.844 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion:	75	Resp:	25927
Ion	Ratio	Lower	Upper
75	100		
155	73.0	37.0	111.0
157	99.3	52.4	157.2

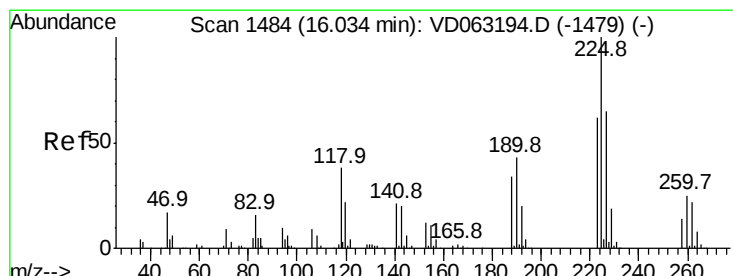
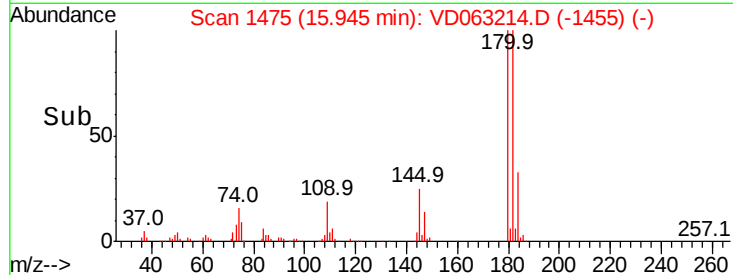
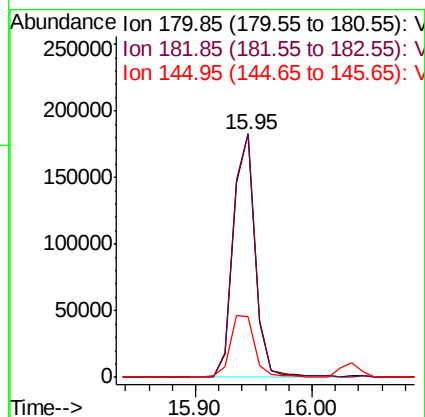
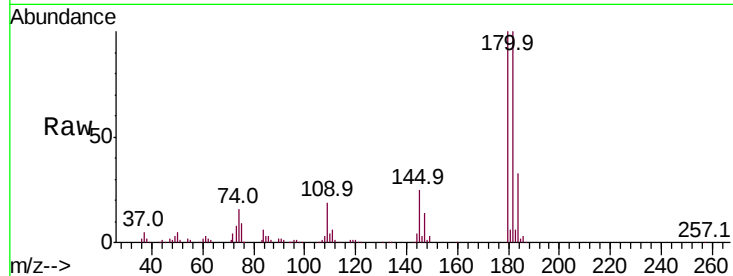




#93
 1,2,4-Trichlorobenzene
 Concen: 18.028 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

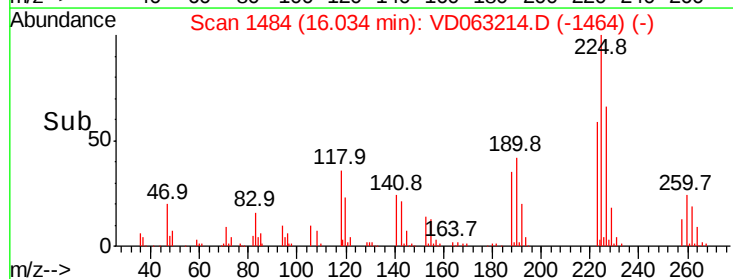
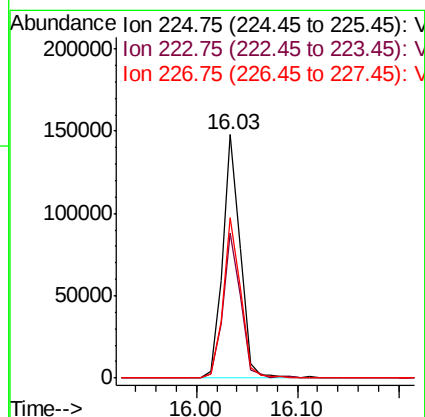
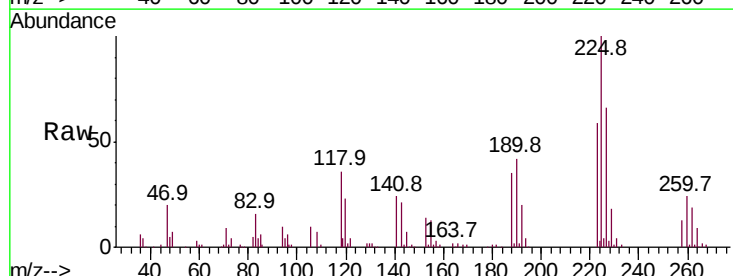
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

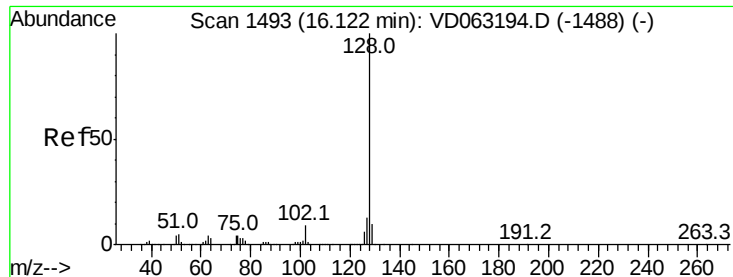
Tot Ion:180 Resp: 237377
 Ion Ratio Lower Upper
 180 100
 182 100.1 48.6 145.8
 145 25.1 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 18.929 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Tgt Ion:225 Resp: 180618
 Ion Ratio Lower Upper
 225 100
 223 59.5 30.9 92.5
 227 66.0 32.6 97.7

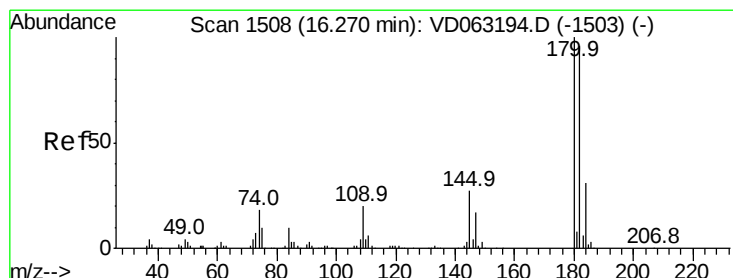
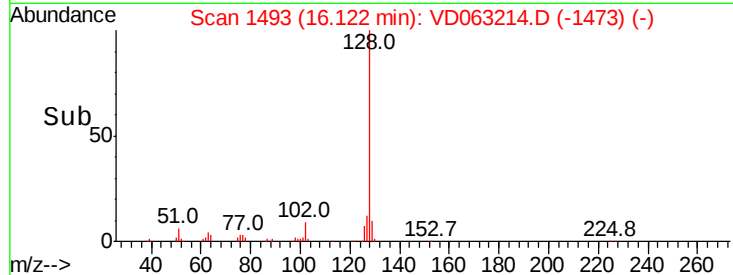
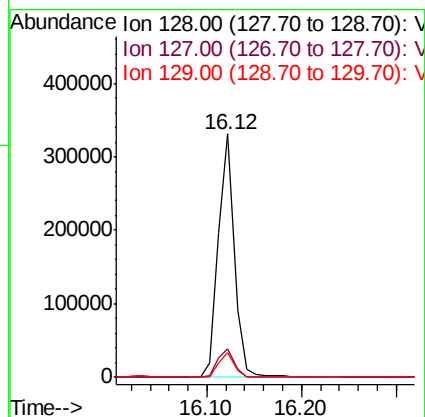
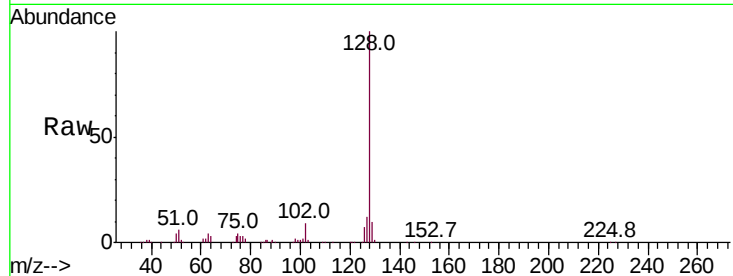




#95
Naphthalene
Concen: 21.103 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

Tot Ion:128 Resp: 392736
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 19.696 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

Tgt Ion:180 Resp: 204876
Ion Ratio Lower Upper
180 100
182 100.8 48.3 144.9
145 28.5 13.6 40.7

