

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			Recovery	=	115.28%	
35) Dibromofluoromethane	6.92	113	637190	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
50) Toluene-d8	10.40	98	1408704	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
62) 4-Bromofluorobenzene	13.55	95	607273	53.06	ug/l	0.00
Spiked Amount			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

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 : 5.00µl/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)
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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063214.D
Acq On : 29 Jul 2019 23:56
Operator : VA/AP
Sample : VD0729SBS02
Misc : 5.00µl/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:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

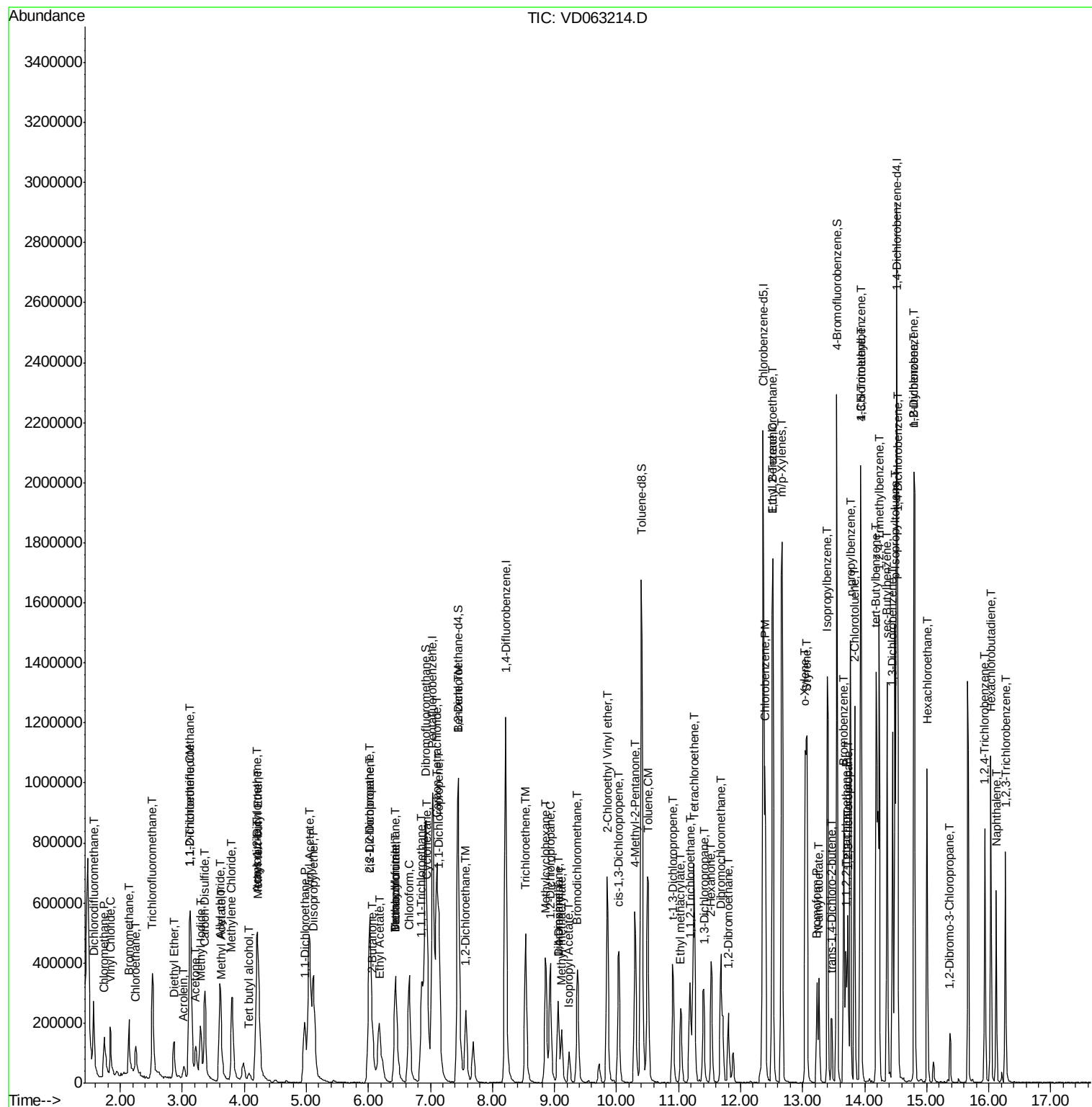
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	237377	18.028	ug/l	97
94) Hexachlorobutadiene	16.03	225	180618	18.929	ug/l	98
95) Naphthalene	16.12	128	392736	21.103	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	204876	19.696	ug/l	96

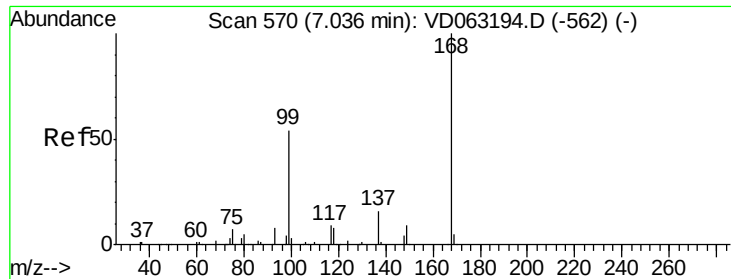
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063214.D
Acq On : 29 Jul 2019 23:56
Operator : VA/AP
Sample : VD0729SBS02
Misc : 5.00µl/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:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#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 :

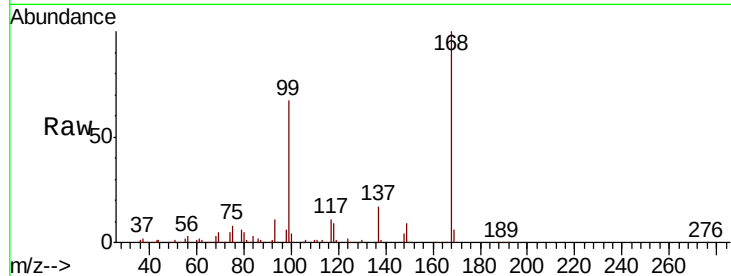
VD0729SBS02

Tot Ion:168 Resp: 926424

Ion Ratio Lower Upper

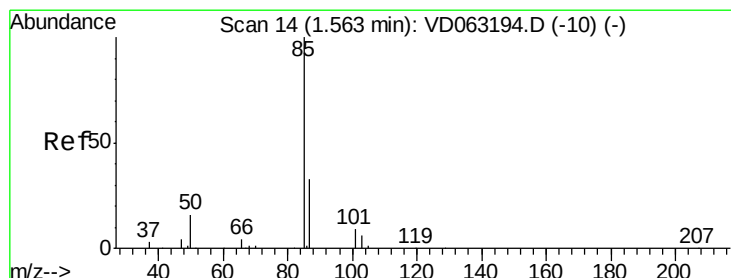
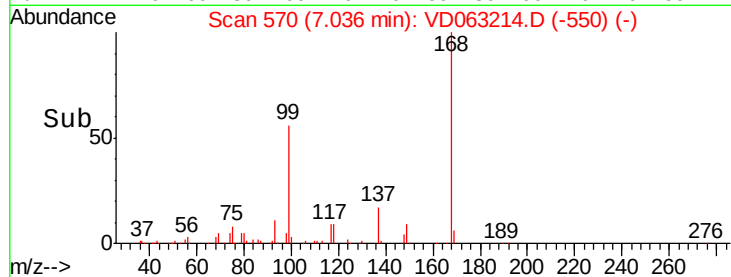
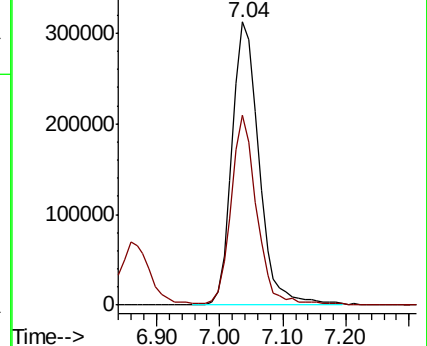
168 100

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

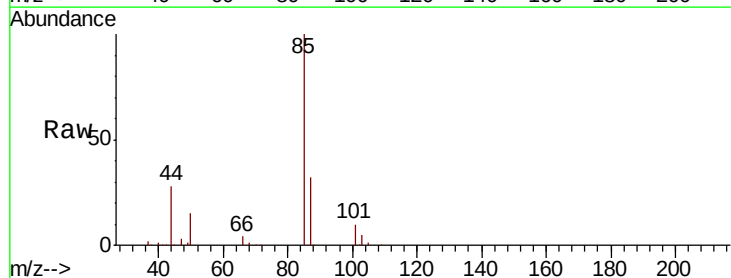
Acq: 29 Jul 2019 23:56

Tgt Ion: 85 Resp: 250994

Ion Ratio Lower Upper

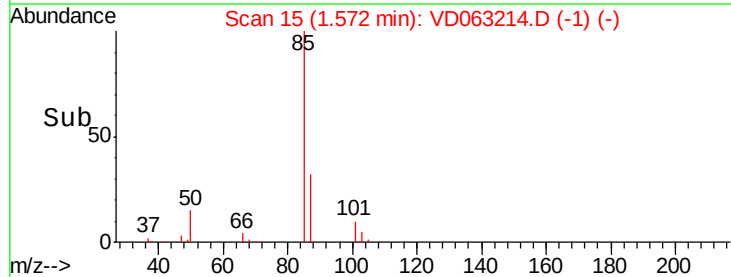
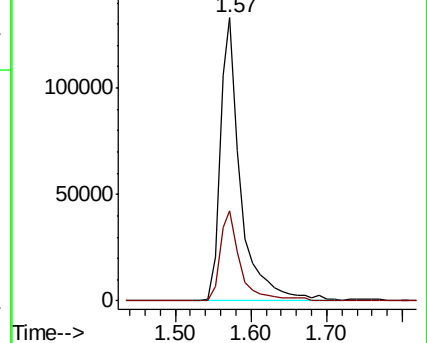
85 100

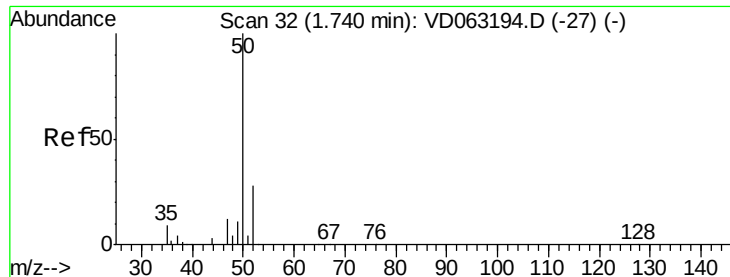
87 31.7 16.6 49.7



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 :

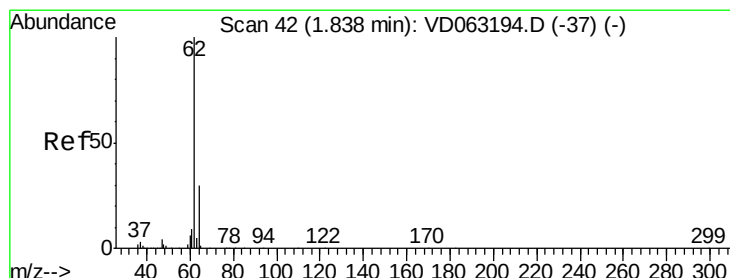
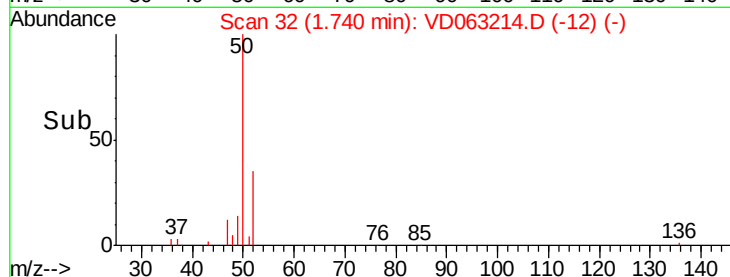
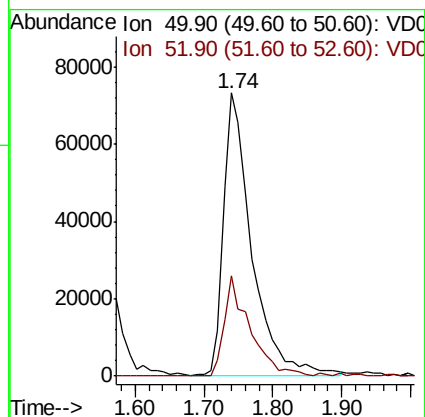
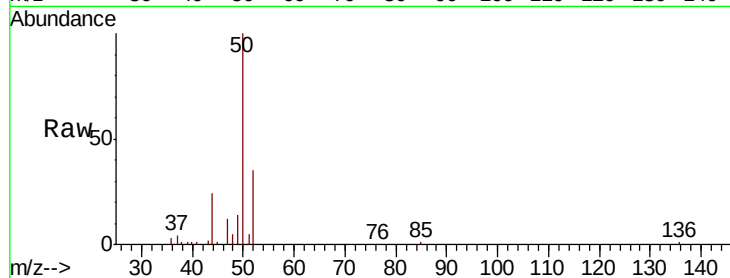
VD0729SBS02

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

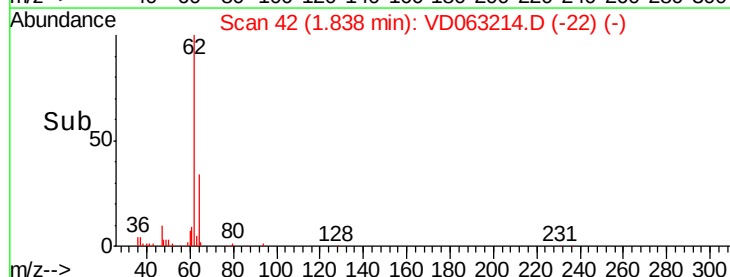
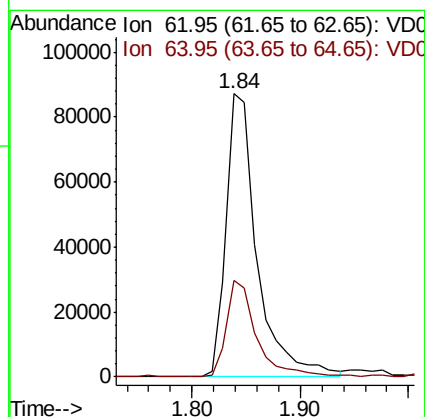
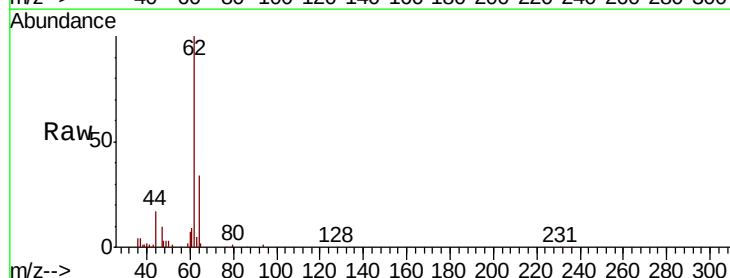
Acq: 29 Jul 2019 23:56

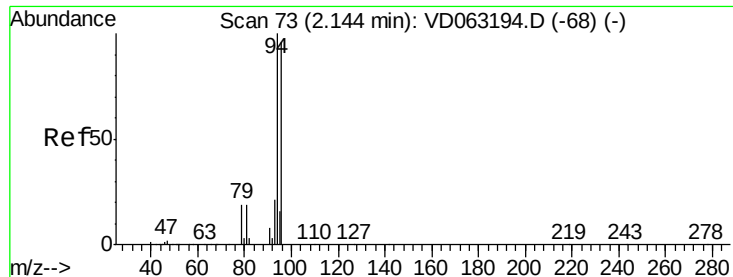
Tgt Ion: 62 Resp: 174169

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

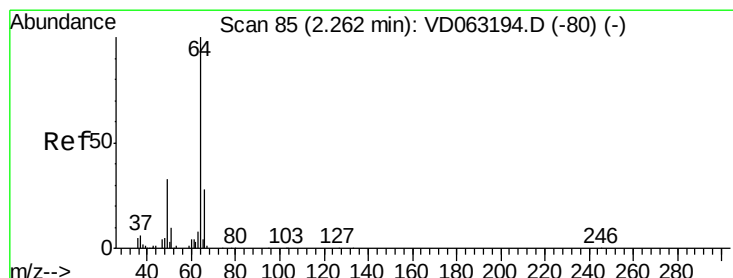
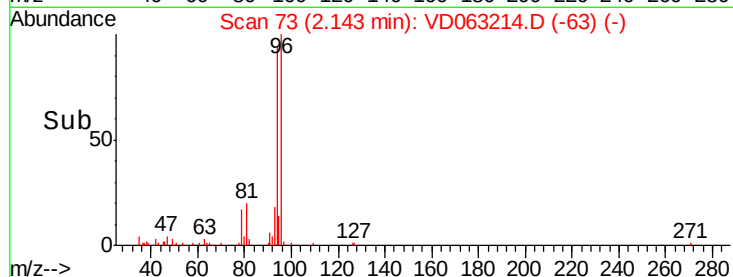
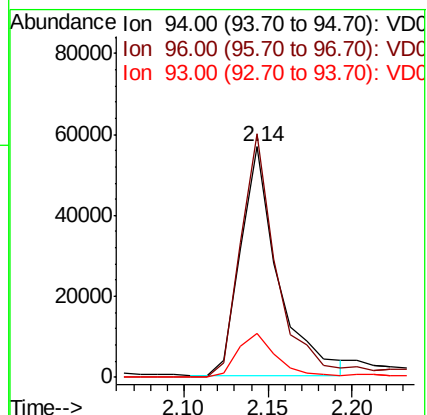
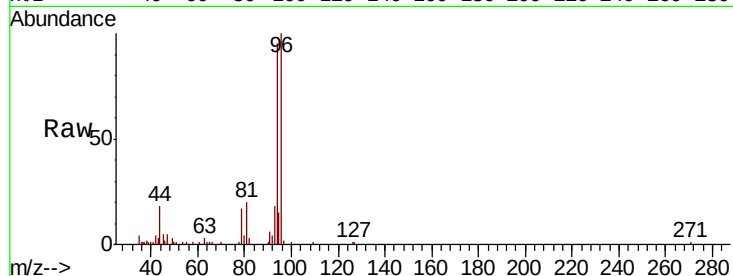
Tot Ion: 94 Resp: 87019

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

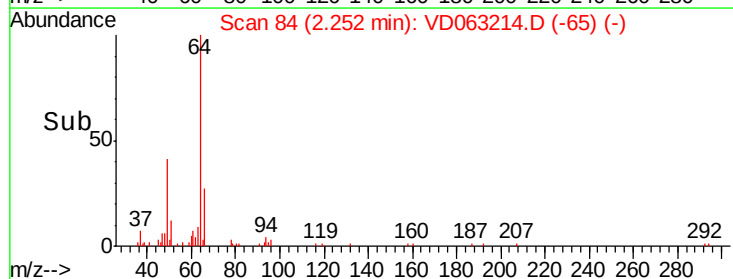
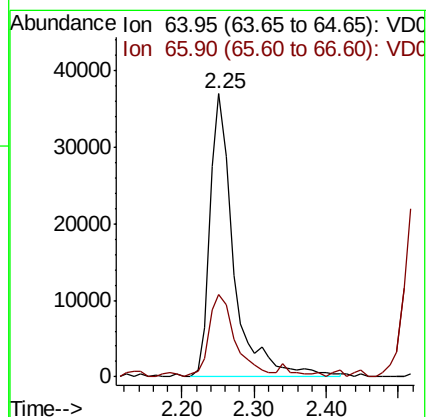
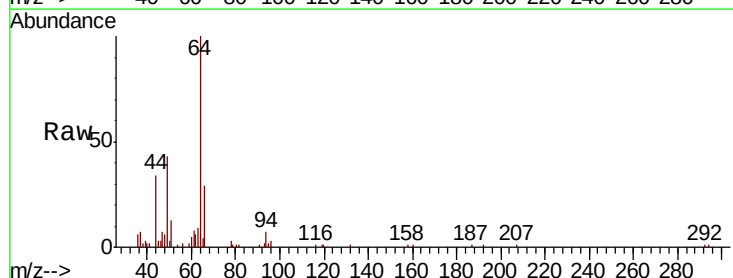
Acq: 29 Jul 2019 23:56

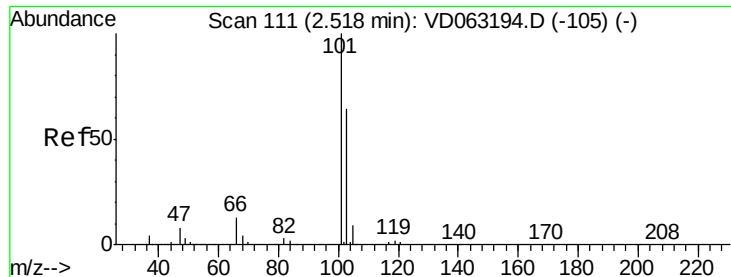
Tgt Ion: 64 Resp: 84513

Ion Ratio Lower Upper

64 100

66 28.9 22.2 33.2



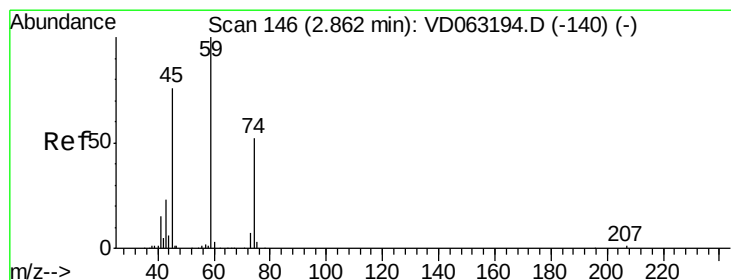
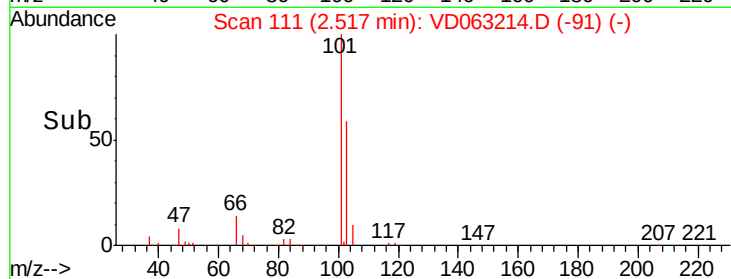
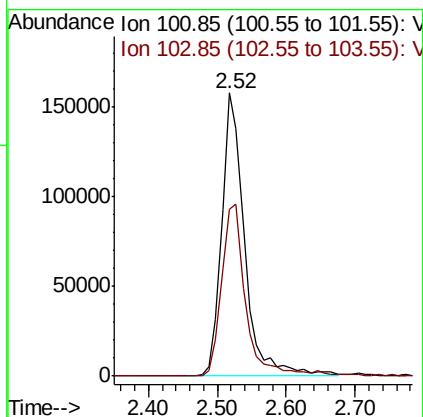
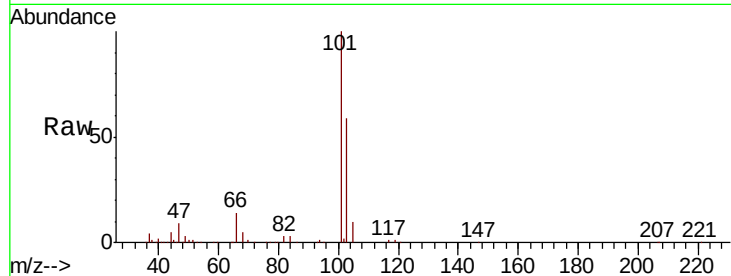


#7

Trichlorofluoromethane
 Concen: 20.581 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

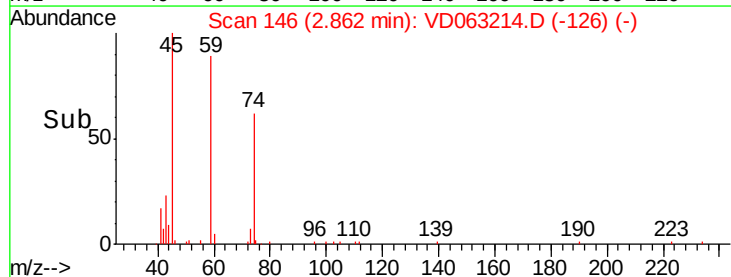
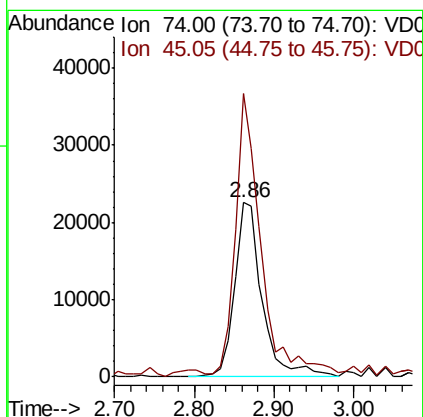
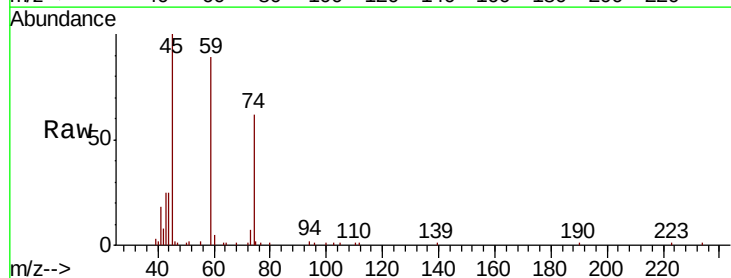
Tot Ion:101 Resp: 363672
 Ion Ratio Lower Upper
 101 100
 103 59.2 51.5 77.3

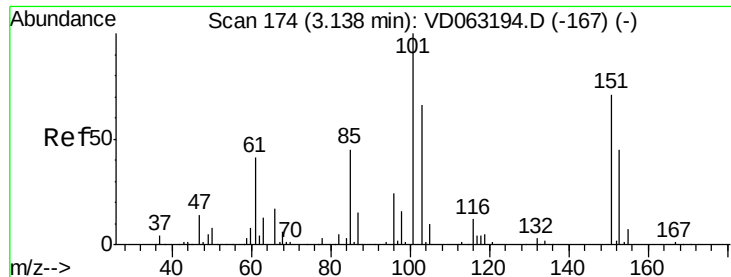


#8

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

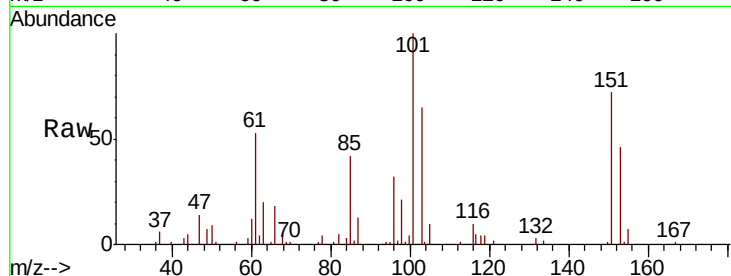




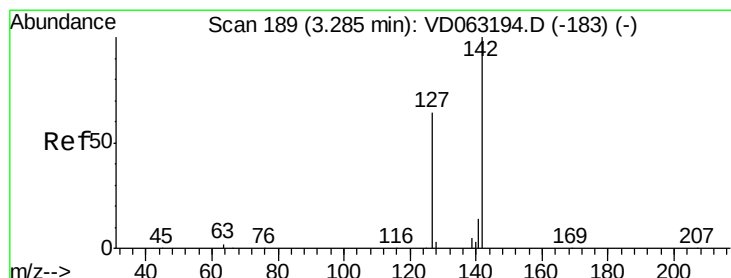
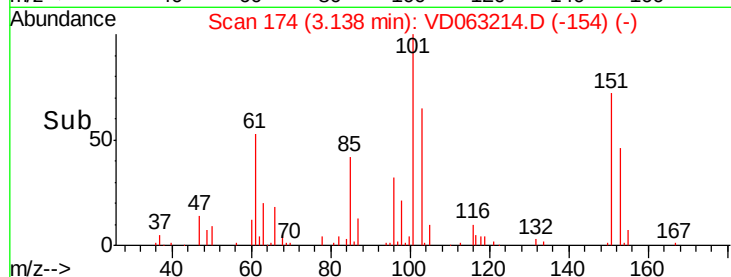
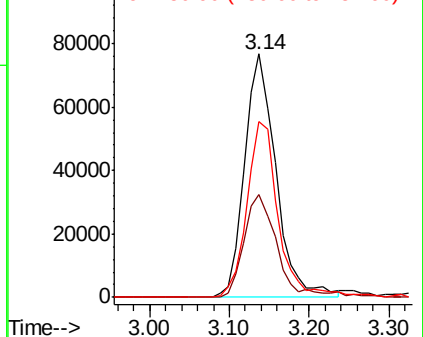
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.222 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

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

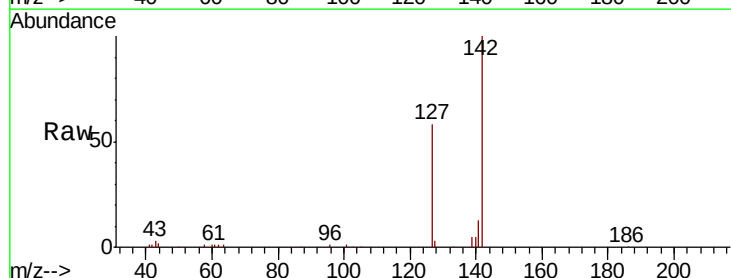


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

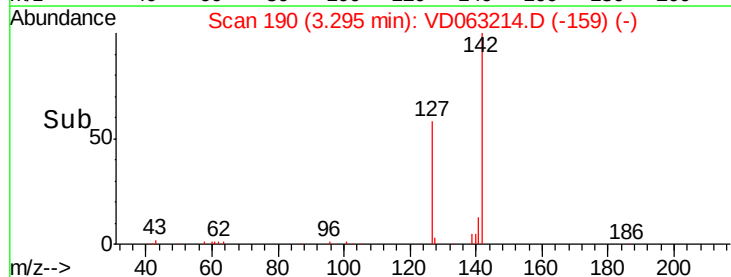
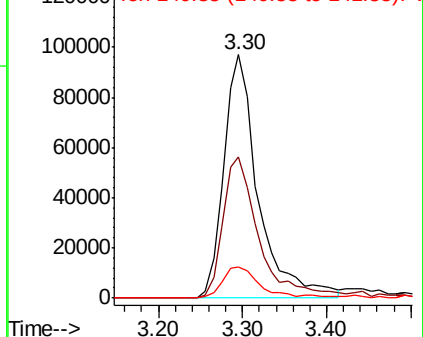


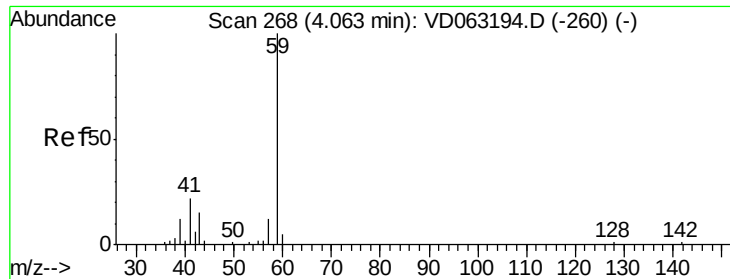
#10
 Methyl Iodide
 Concen: 19.447 ug/l
 RT: 3.30 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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

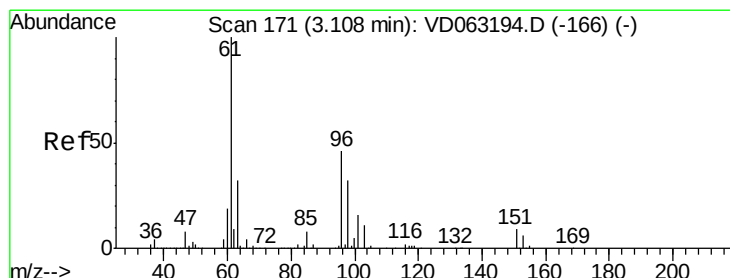
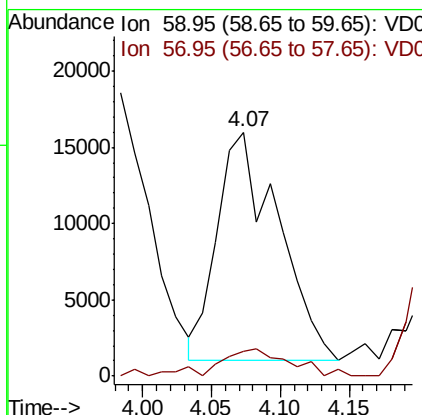
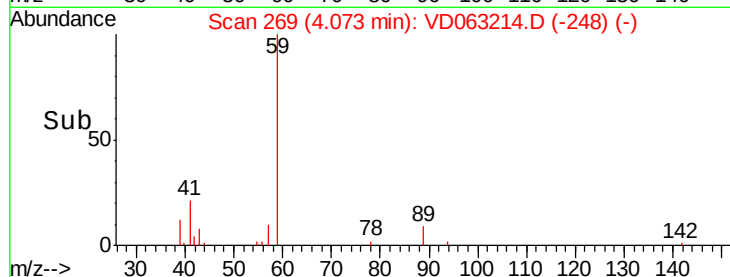
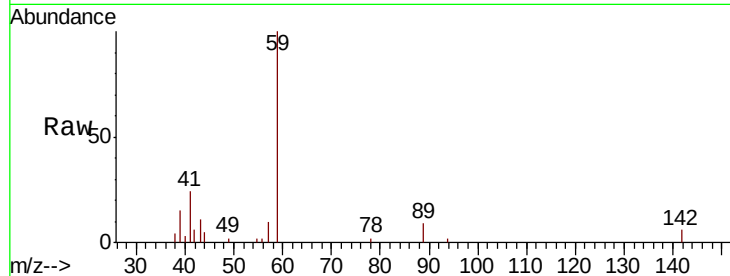




#11
Tert butyl alcohol
Concen: 101.271 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

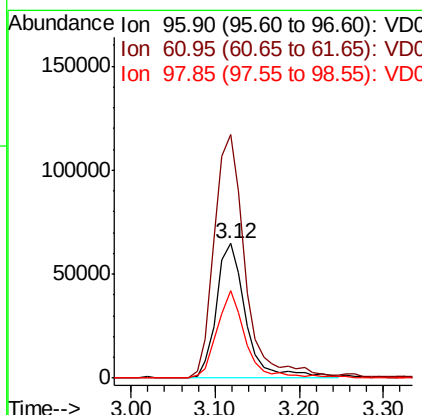
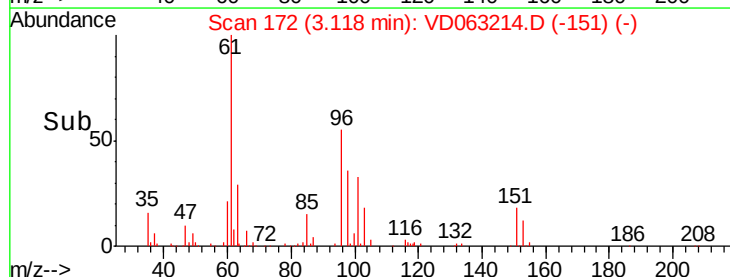
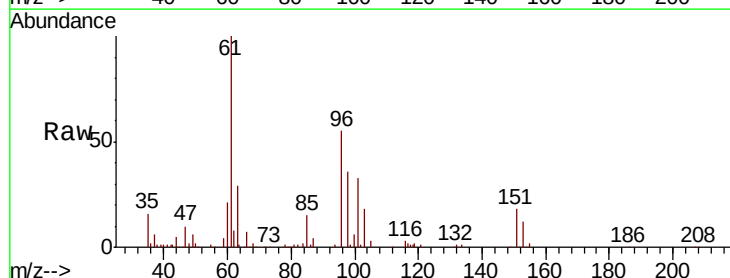
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

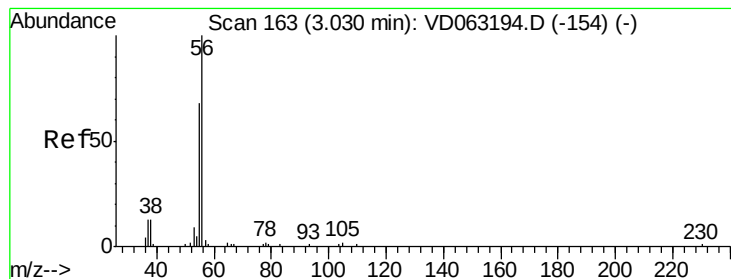
Tot Ion: 59 Resp: 45685
Ion Ratio Lower Upper
59 100
57 10.0 9.6 14.4



#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 :

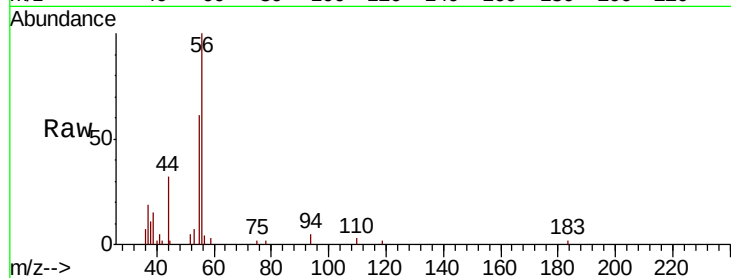
VD0729SBS02

Tot Ion: 56 Resp: 45257

Ion Ratio Lower Upper

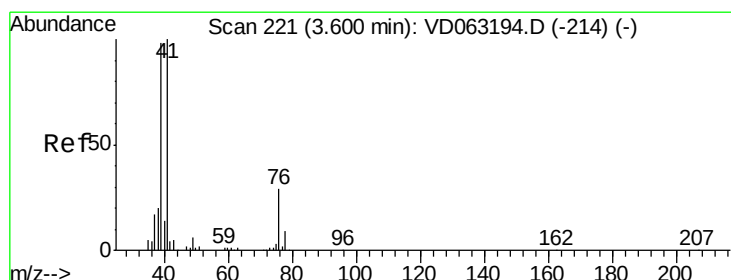
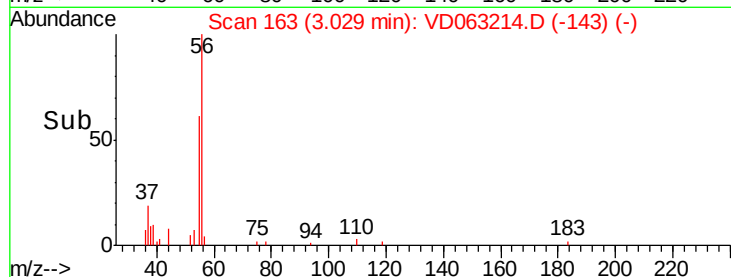
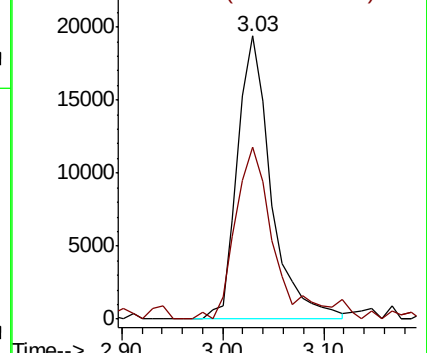
56 100

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



#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

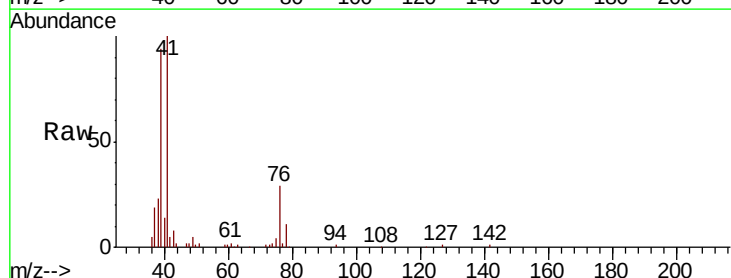
Tgt Ion: 41 Resp: 246581

Ion Ratio Lower Upper

41 100

39 94.4 78.6 117.8

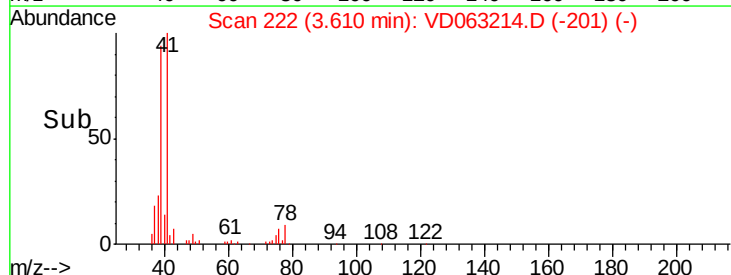
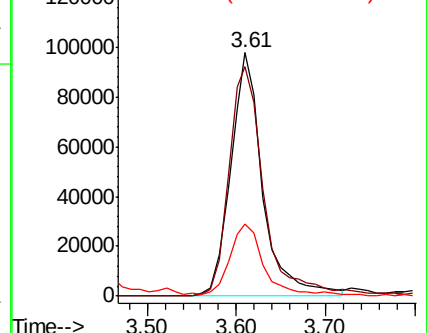
76 29.5 24.5 36.7

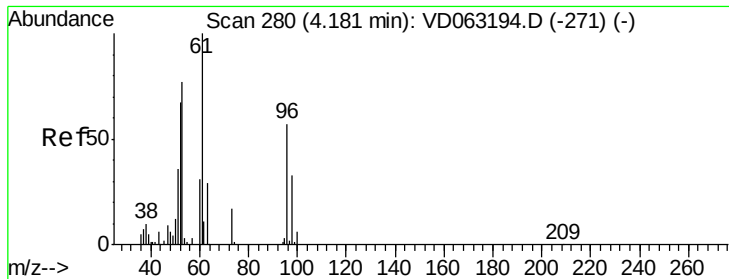


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#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

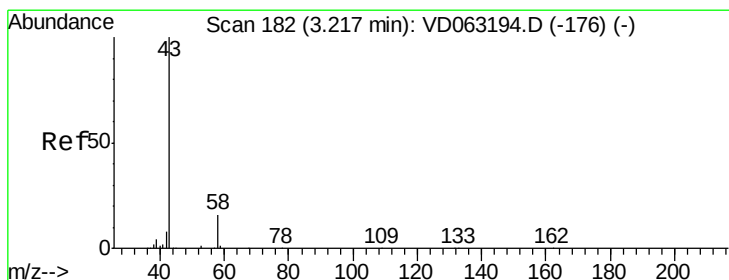
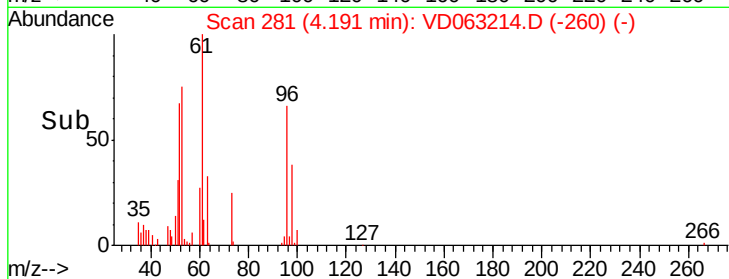
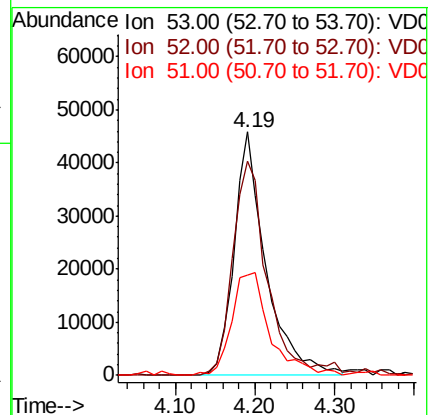
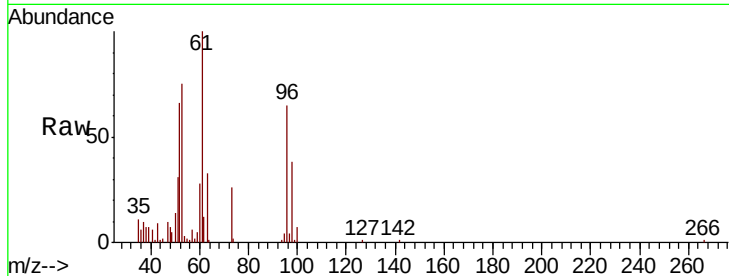
Tot Ion: 53 Resp: 127919

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

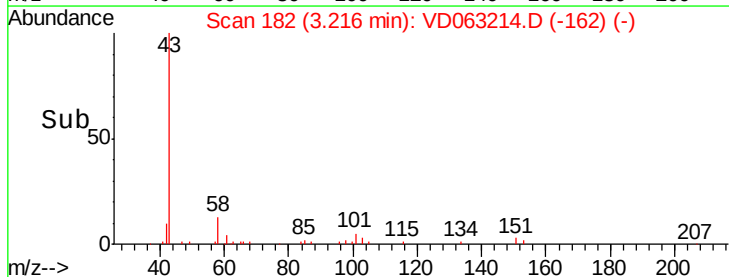
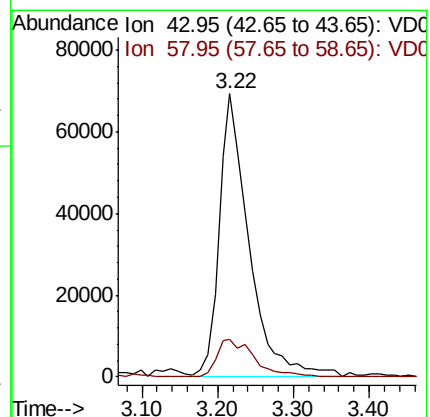
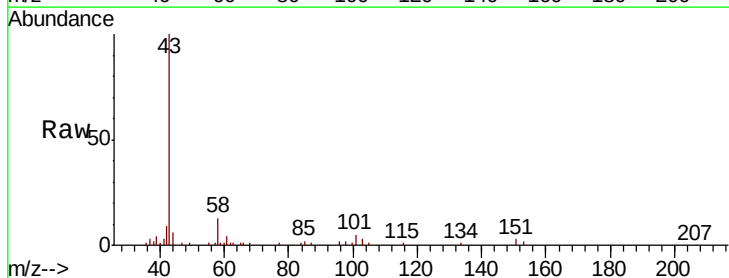
Acq: 29 Jul 2019 23:56

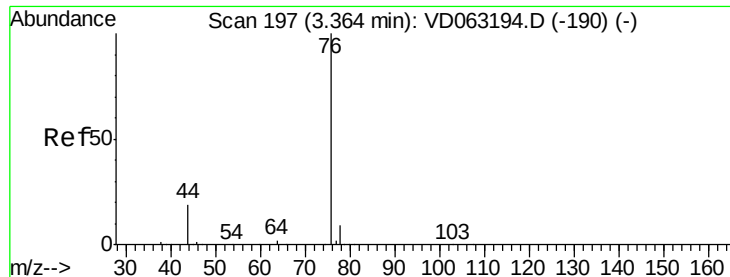
Tgt Ion: 43 Resp: 189996

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 :

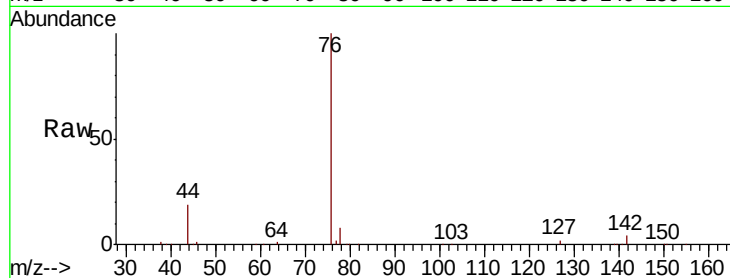
VD0729SBS02

Tot Ion: 76 Resp: 514038

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

200000

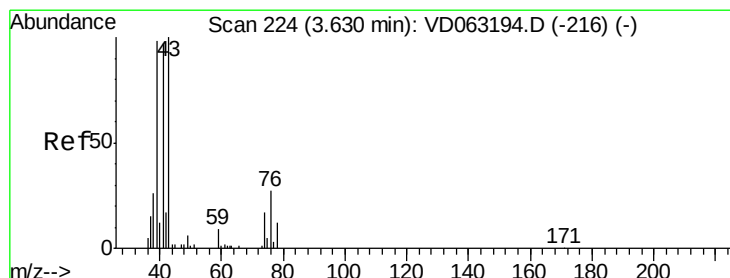
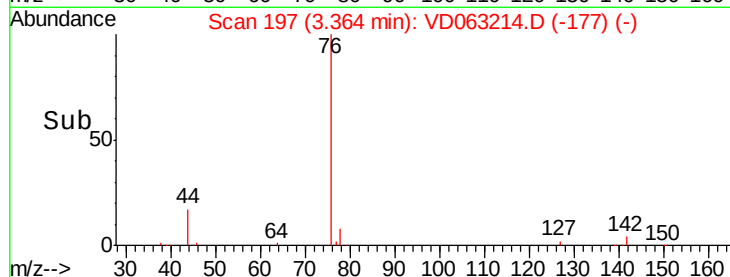
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 25.960 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063214.D

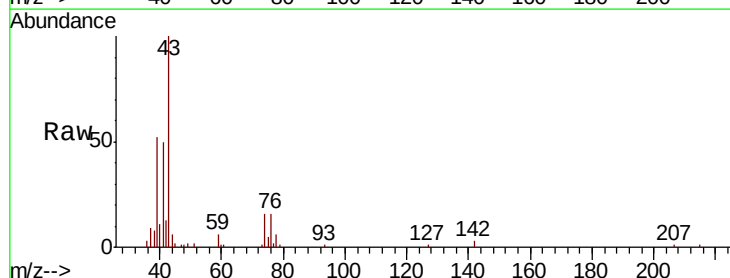
Acq: 29 Jul 2019 23:56

Tgt Ion: 43 Resp: 99873

Ion Ratio Lower Upper

43 100

74 16.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

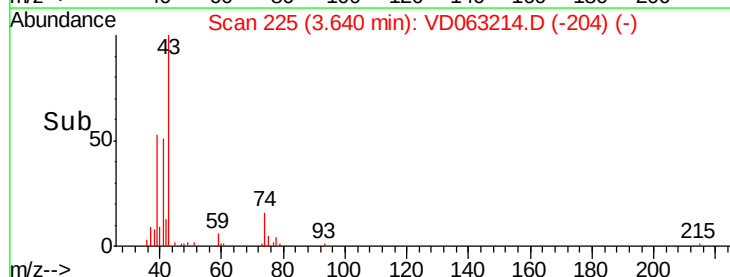
30000

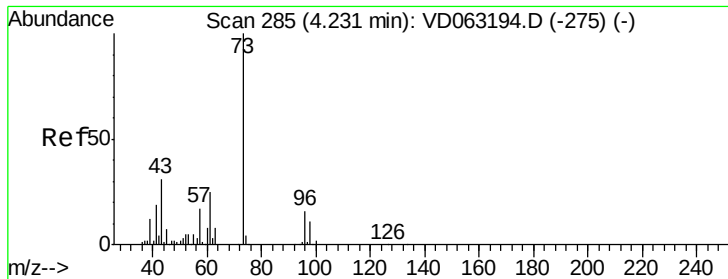
20000

10000

0

Time-->

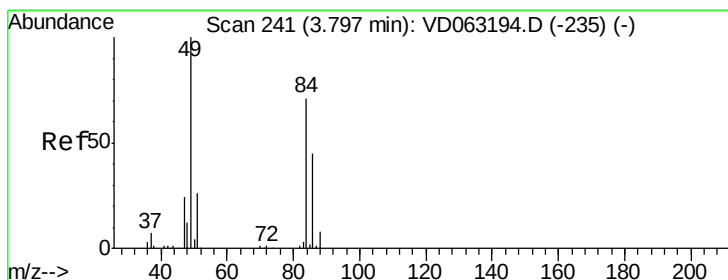
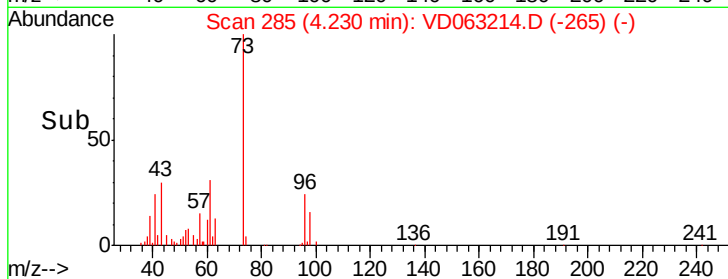
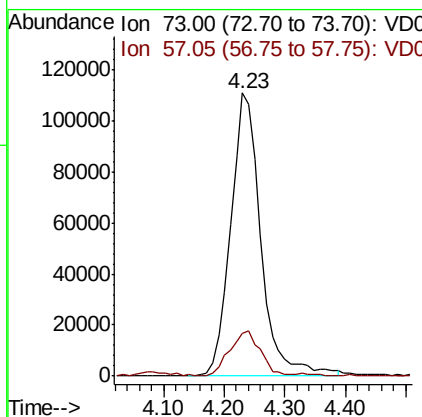
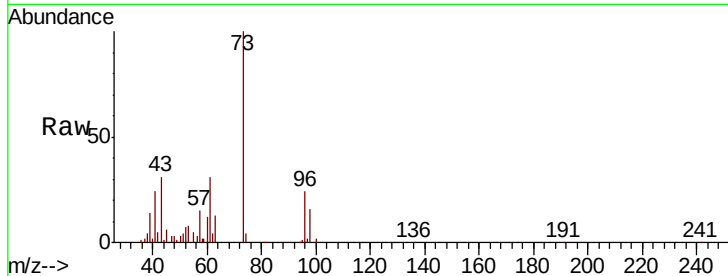




#19
Methyl tert-butyl Ether
Concen: 23.633 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

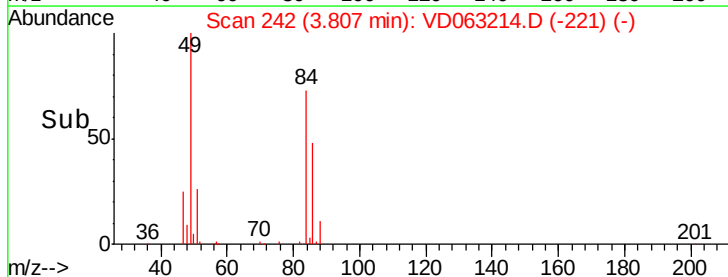
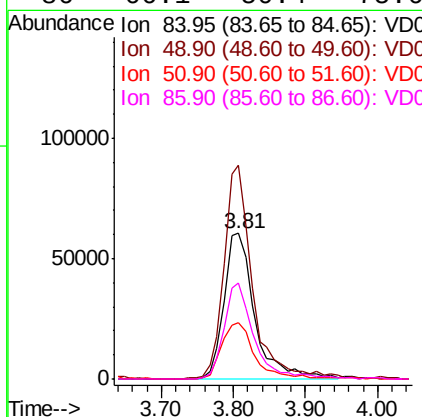
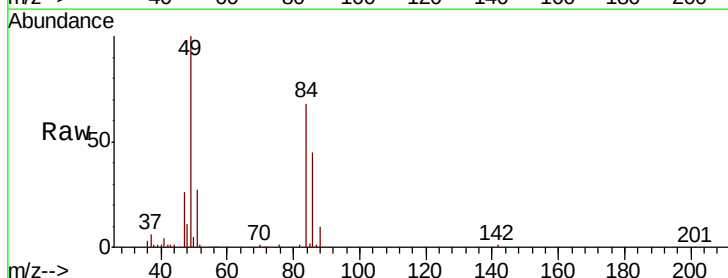
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

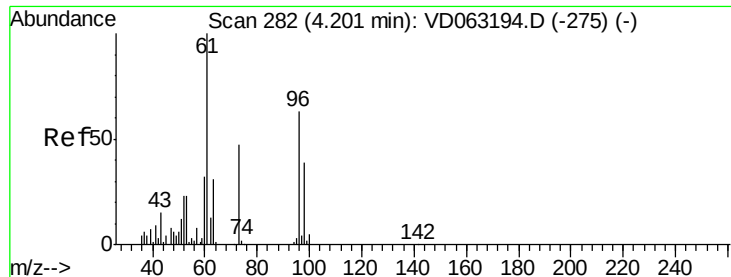
Tot Ion: 73 Resp: 383604
Ion Ratio Lower Upper
73 100
57 15.3 13.8 20.6



#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

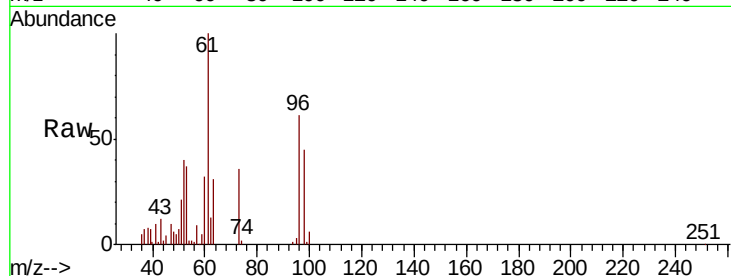
Tot Ion: 96 Resp: 166206

Ion Ratio Lower Upper

96 100

61 162.8 127.4 191.2

98 73.8 49.3 73.9

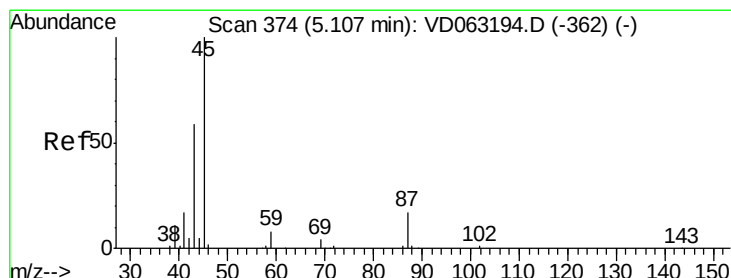
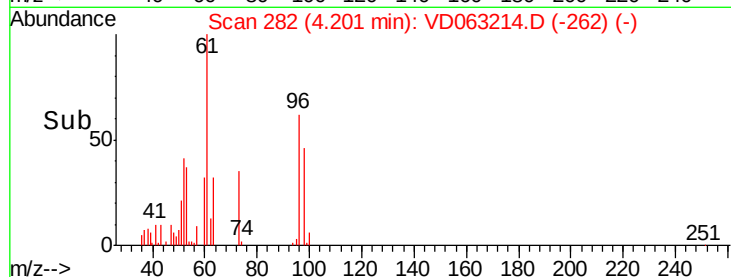
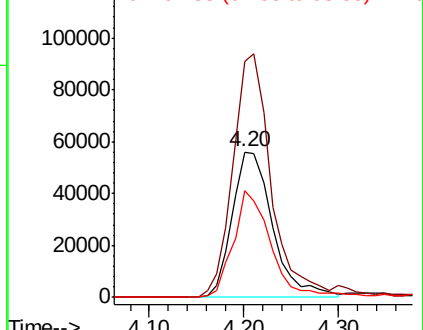


Abundance

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

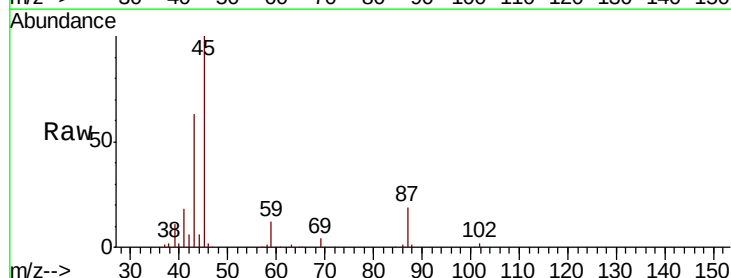
Ion Ratio Lower Upper

45 100

43 63.4 51.7 77.5

87 18.7 14.6 21.8

59 12.1 6.6 10.0#



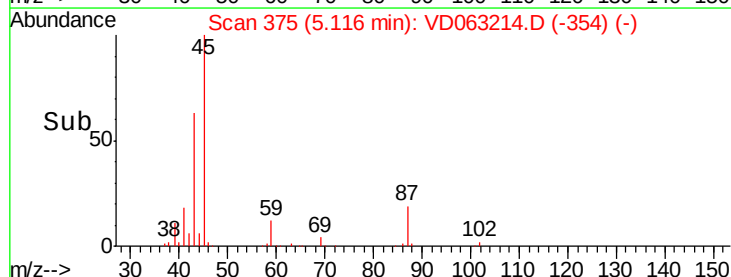
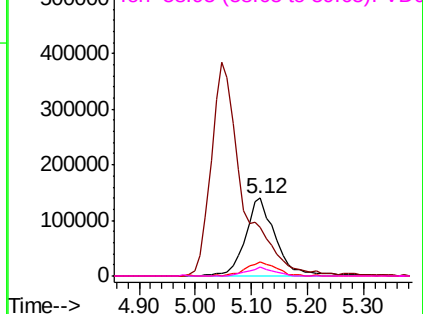
Abundance

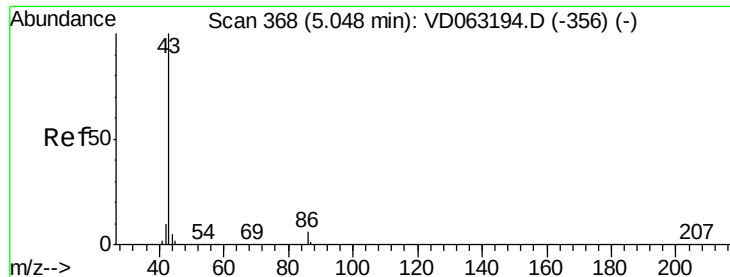
Ion 45.05 (44.75 to 45.75): VDC

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 :

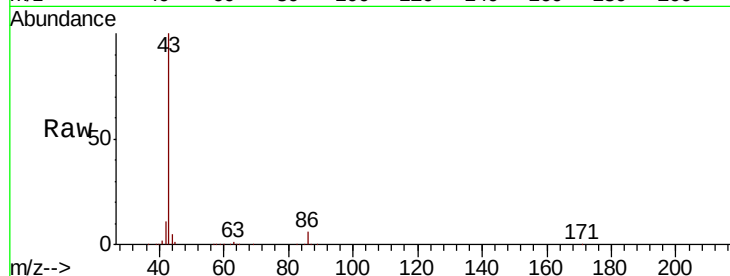
VD0729SBS02

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

5.05

400000

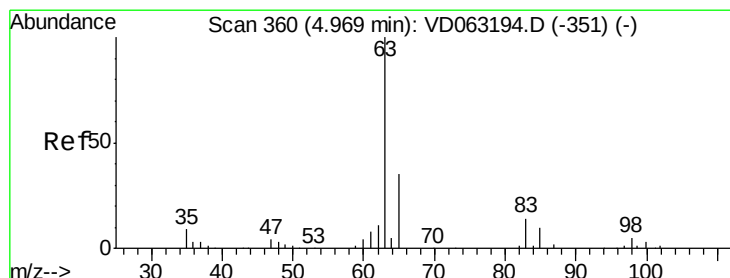
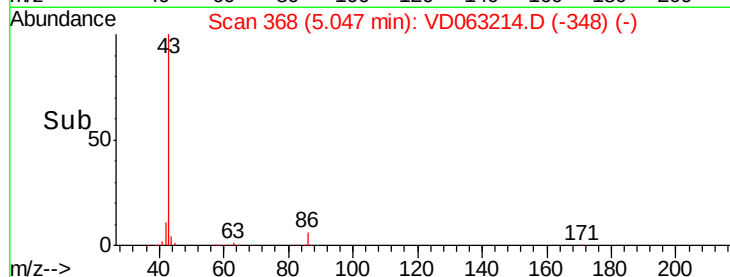
300000

200000

100000

0

Time-->



#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

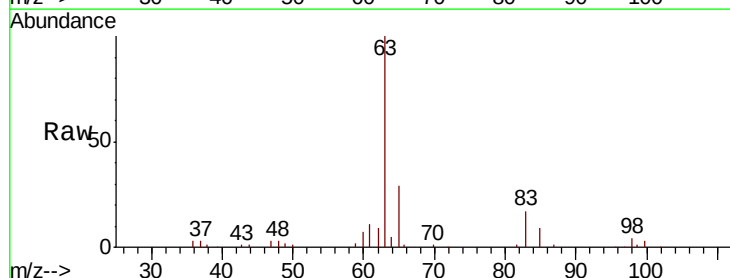
Tgt Ion: 63 Resp: 323668

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

4.98

120000

100000

80000

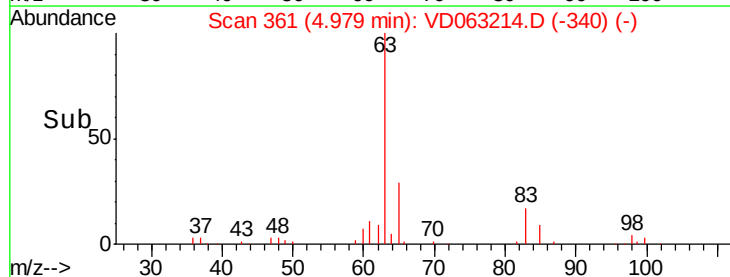
60000

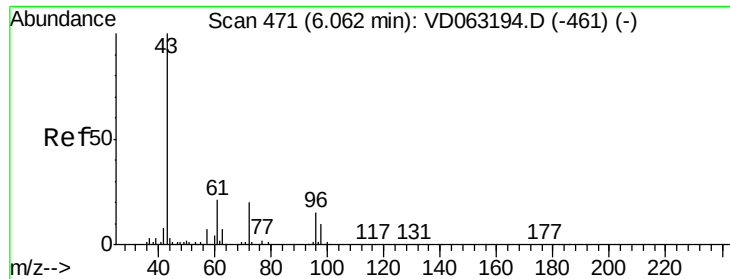
40000

20000

0

Time-->





#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 :

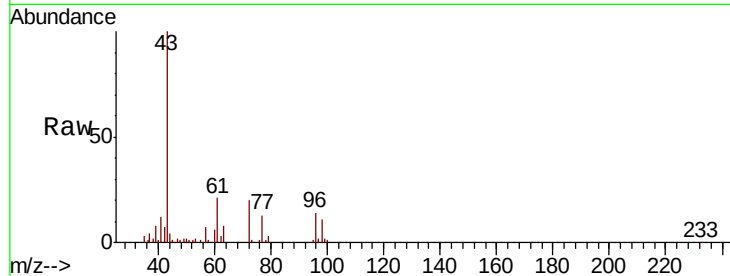
VD0729SBS02

Tot Ion: 43 Resp: 207955

Ion Ratio Lower Upper

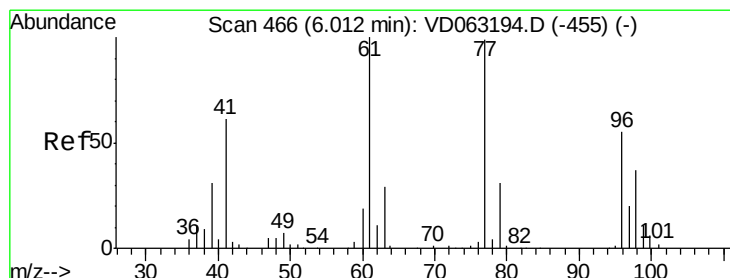
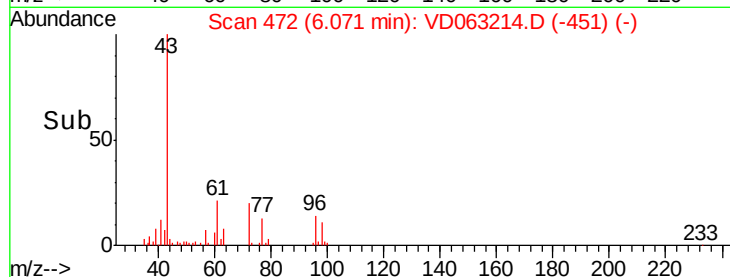
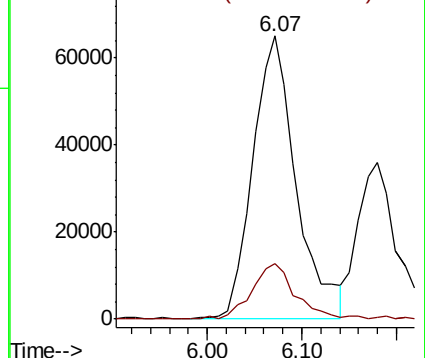
43 100

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

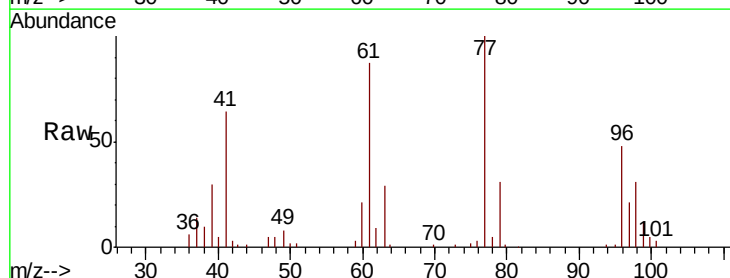
Acq: 29 Jul 2019 23:56

Tgt Ion: 77 Resp: 298720

Ion Ratio Lower Upper

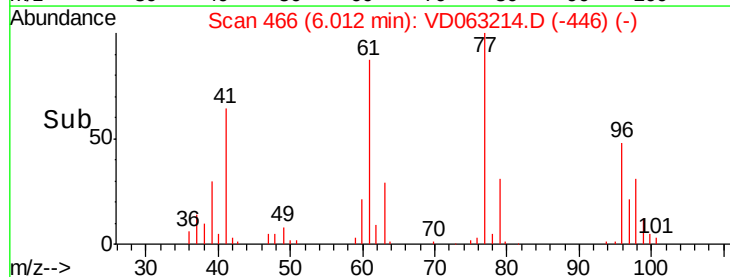
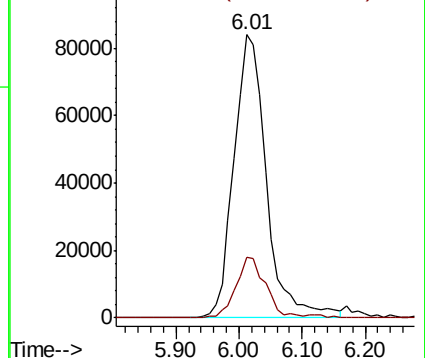
77 100

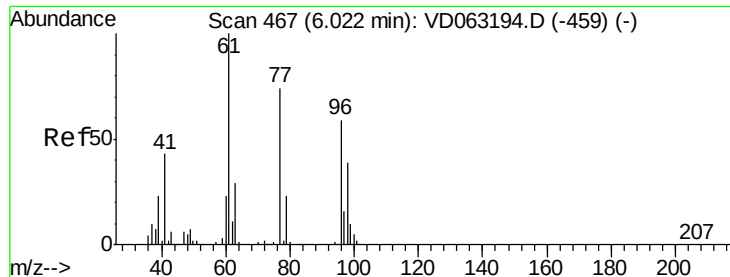
97 21.2 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



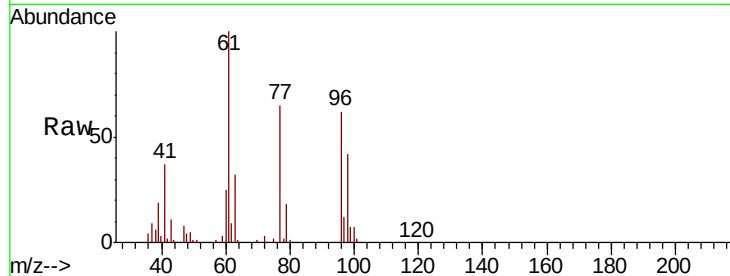


#27

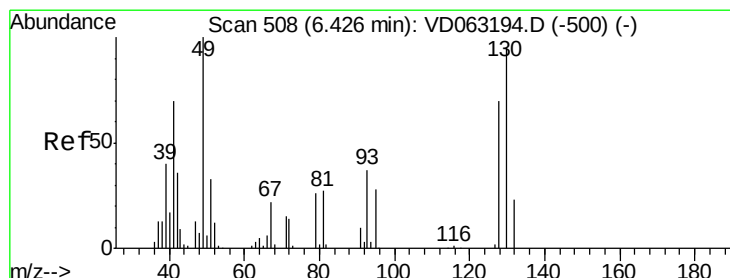
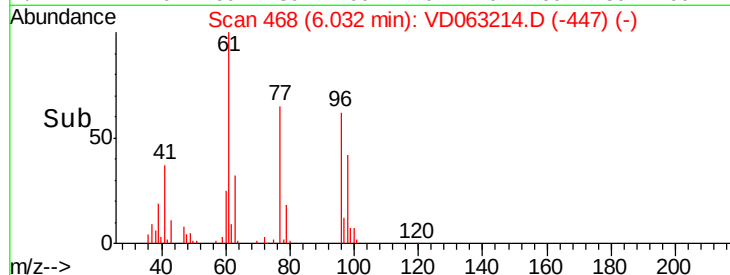
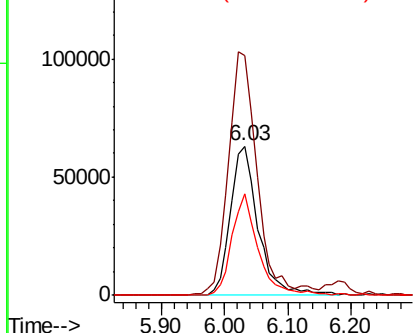
cis-1,2-Dichloroethene
 Concen: 22.127 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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



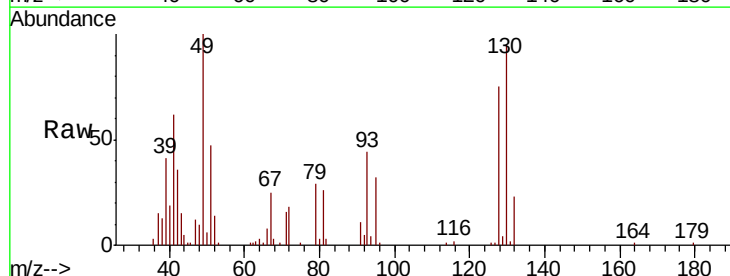
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



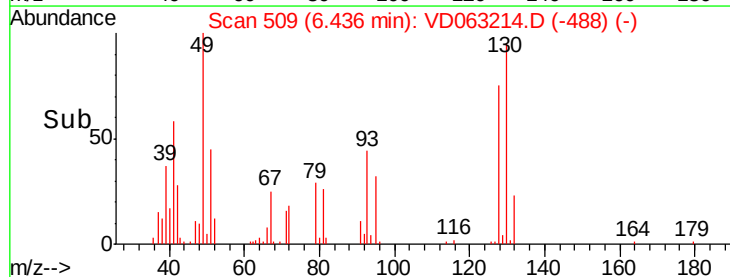
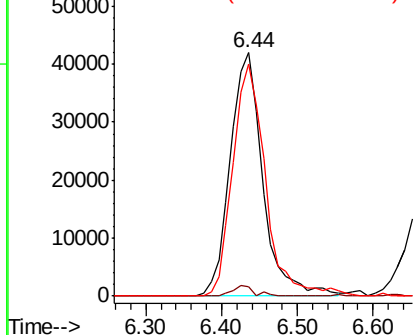
#28

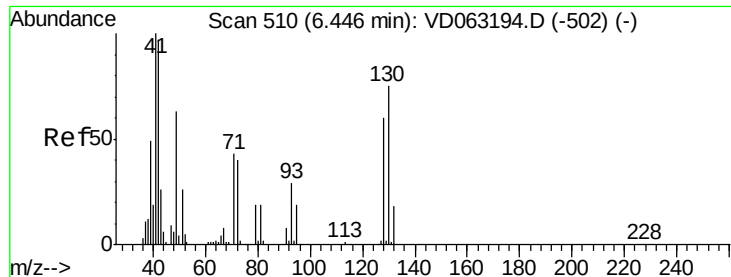
Bromochloromethane
 Concen: 21.506 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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

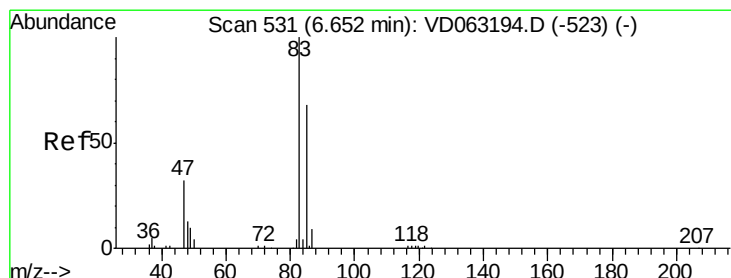
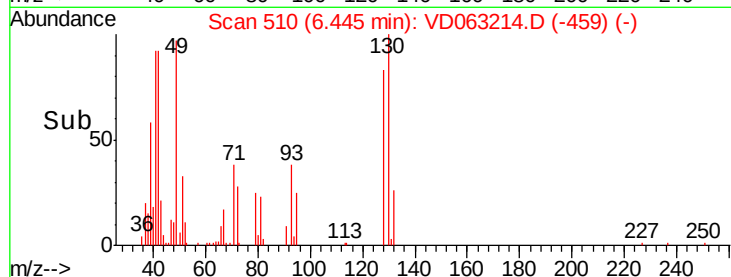
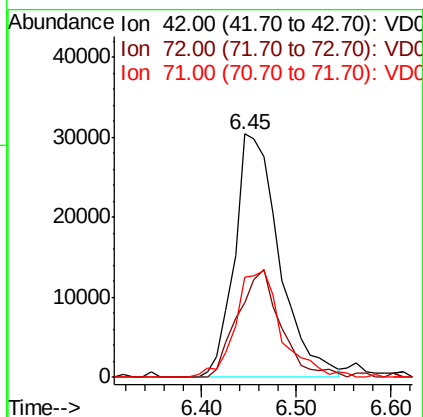
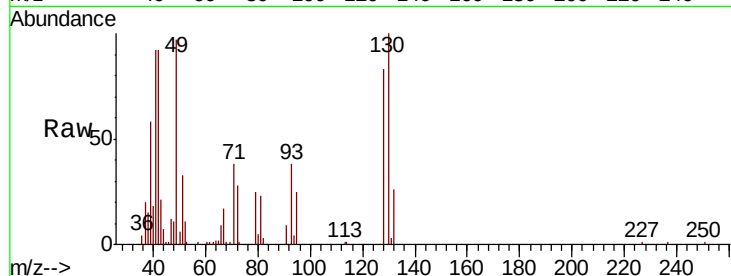




#29
Tetrahydrofuran
Concen: 104.880 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

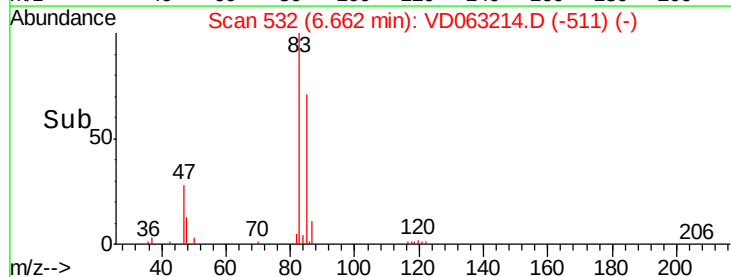
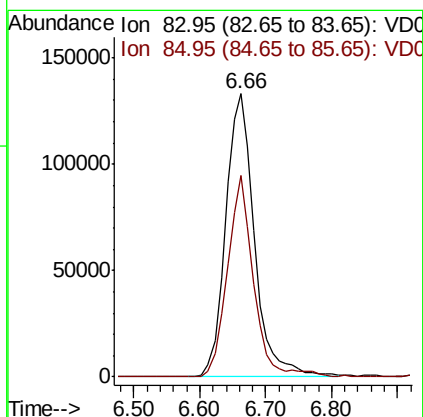
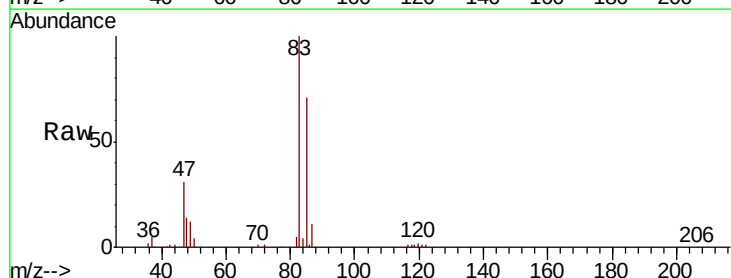
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

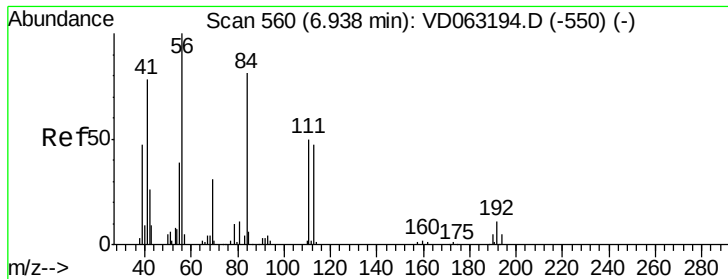
Tot Ion: 42 Resp: 99809
Ion Ratio Lower Upper
42 100
72 42.4 33.4 50.2
71 44.8 35.7 53.5



#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





#31

Cyclohexane

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

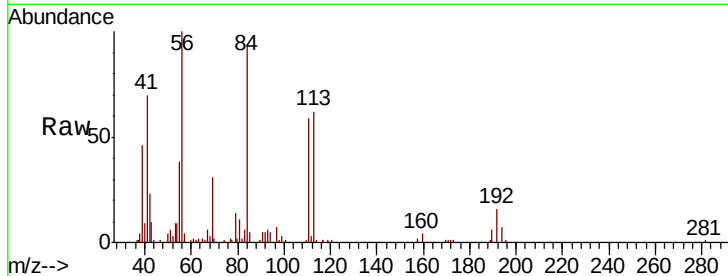
Tot Ion: 56 Resp: 189017

Ion Ratio Lower Upper

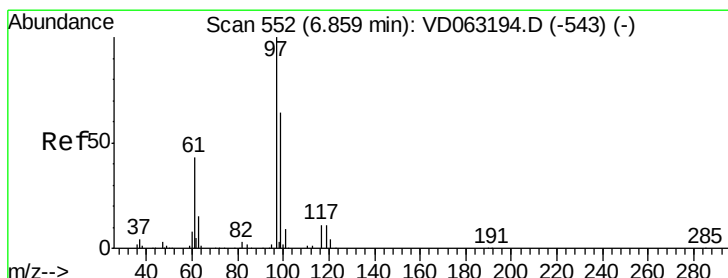
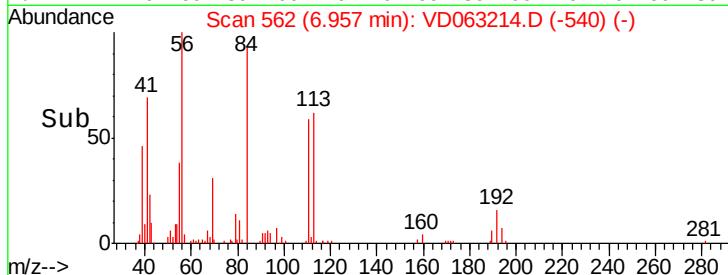
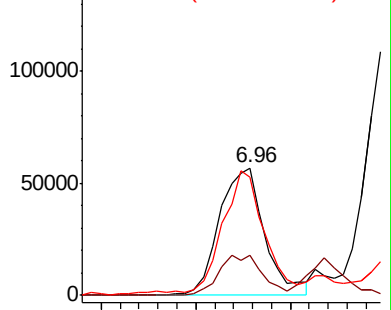
56 100

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

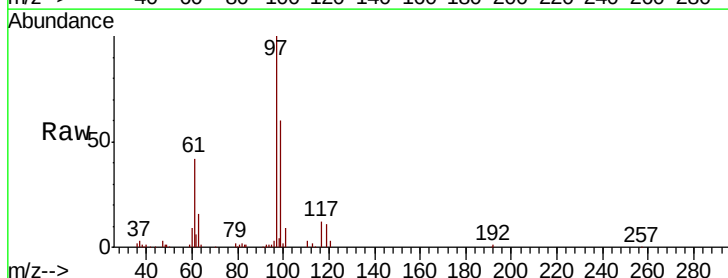
Tgt Ion: 97 Resp: 351068

Ion Ratio Lower Upper

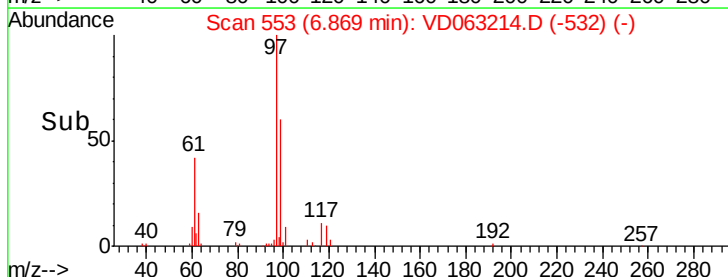
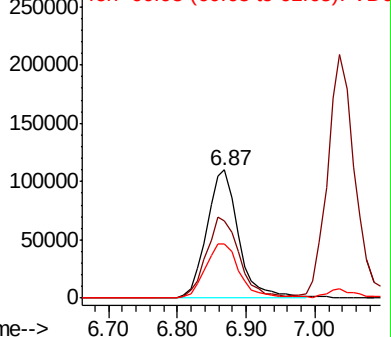
97 100

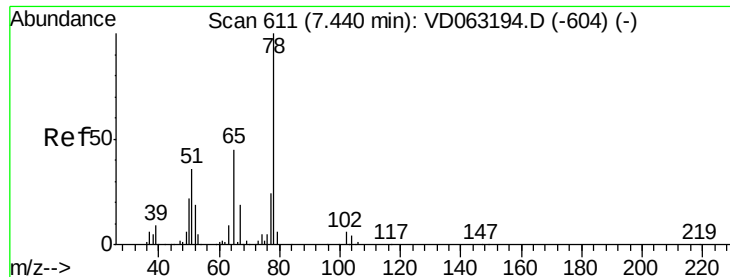
99 60.2 51.2 76.8

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

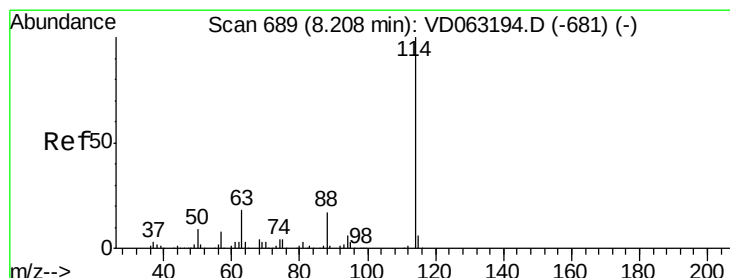
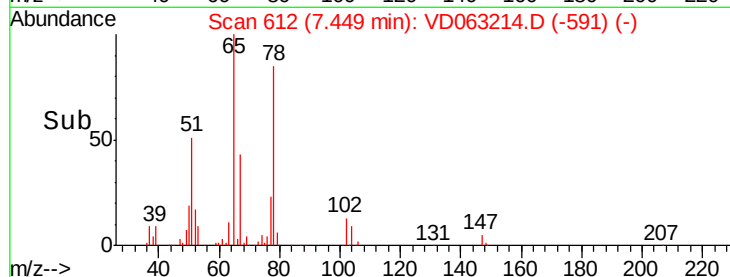
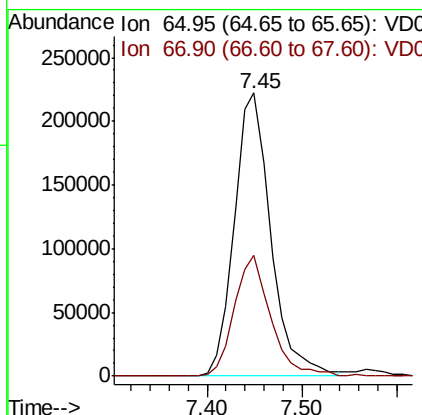
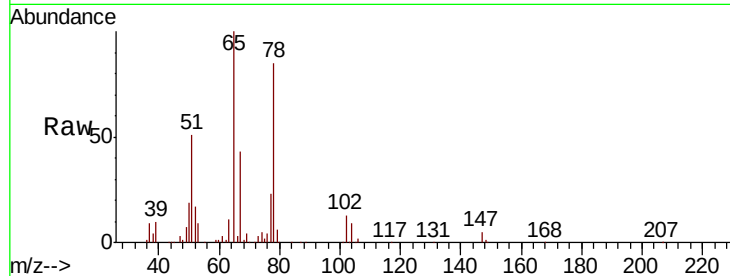




#33
 1,2-Dichloroethane-d4
 Concen: 57.643 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

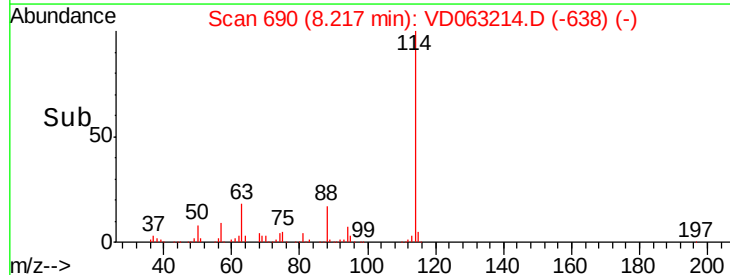
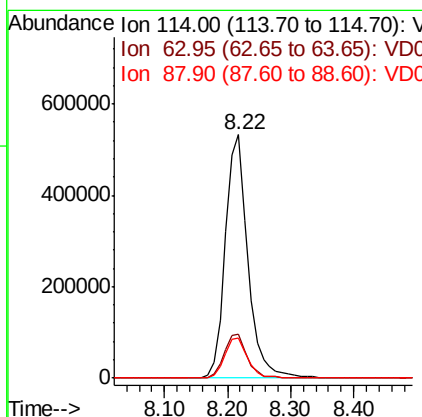
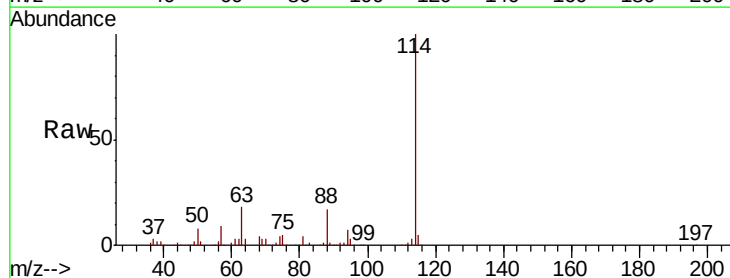
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

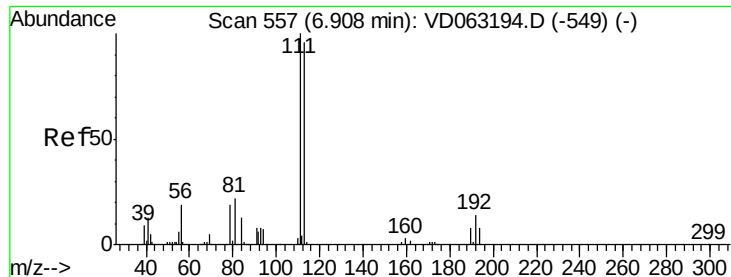
Tot Ion: 65 Resp: 592543
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 85.8



#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





#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

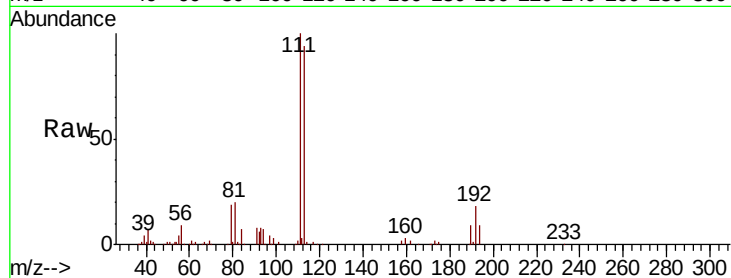
Tot Ion:113 Resp: 637190

Ion Ratio Lower Upper

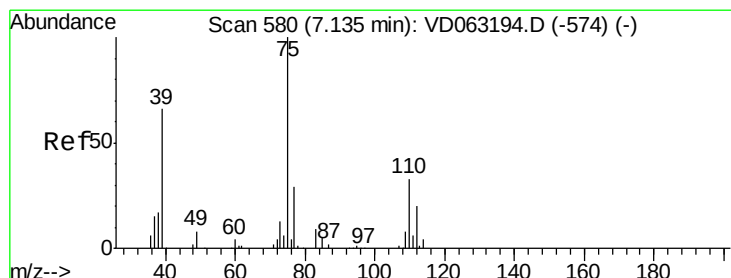
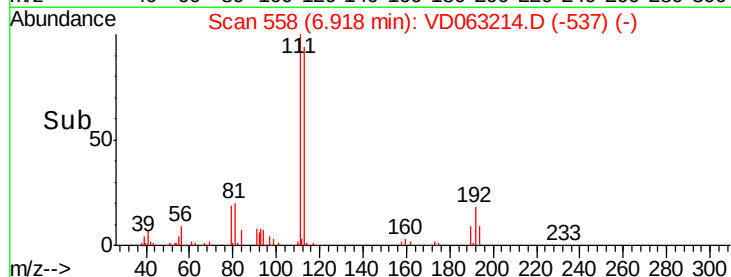
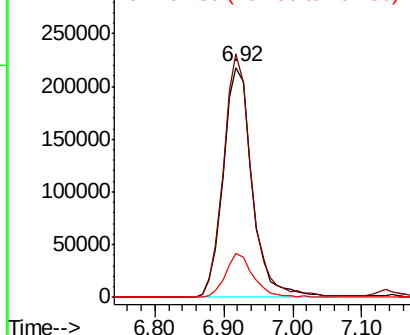
113 100

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

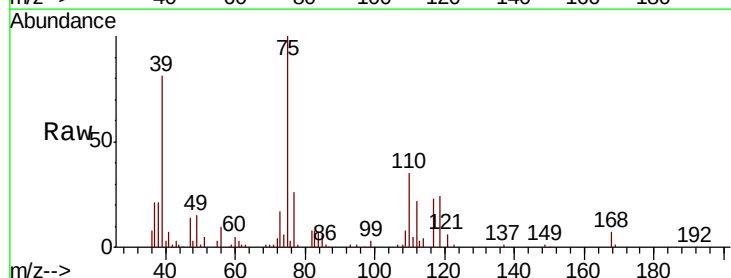
Tgt Ion: 75 Resp: 251544

Ion Ratio Lower Upper

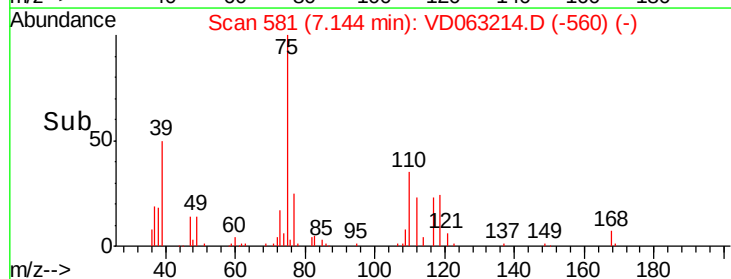
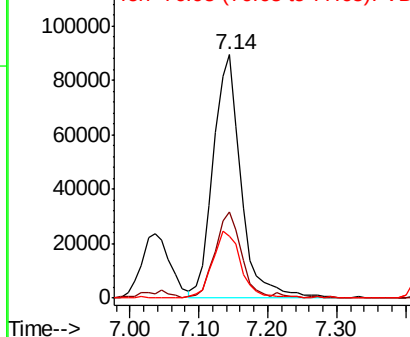
75 100

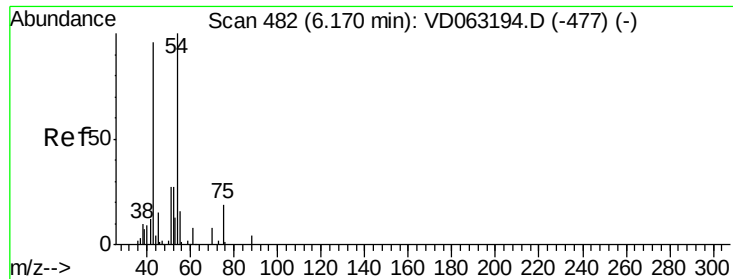
110 35.1 16.1 48.2

77 25.5 22.7 34.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

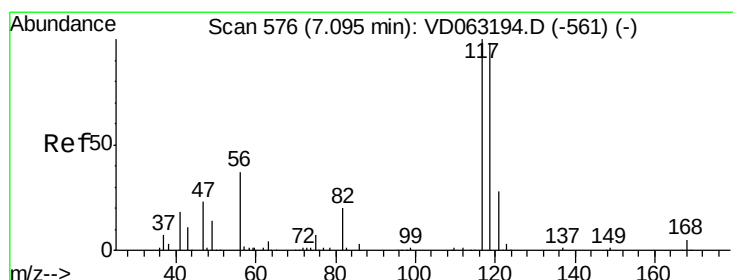
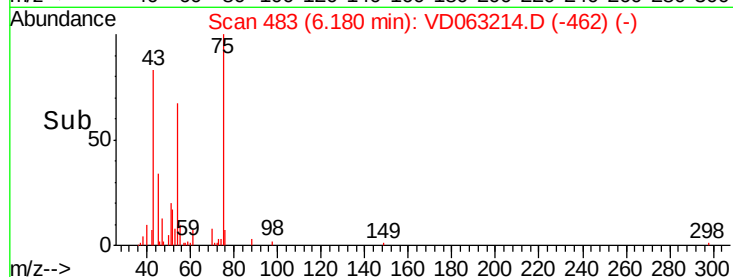
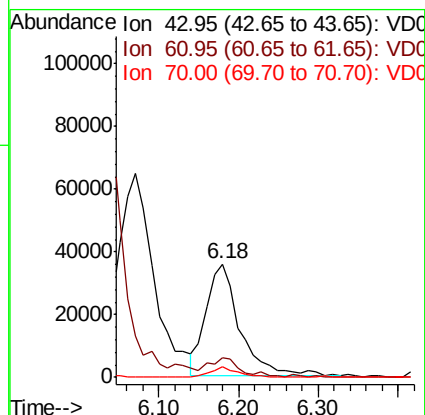
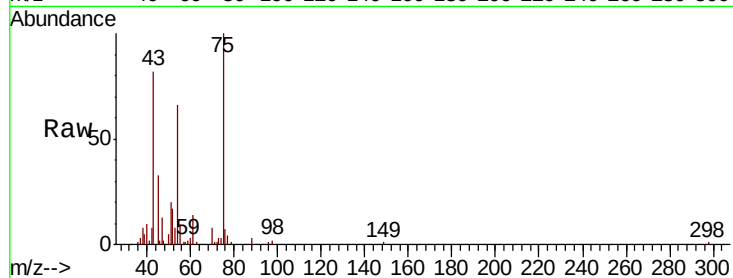




#37
Ethyl Acetate
Concen: 19.754 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

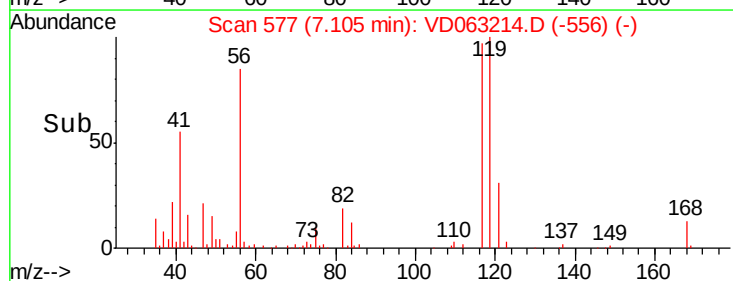
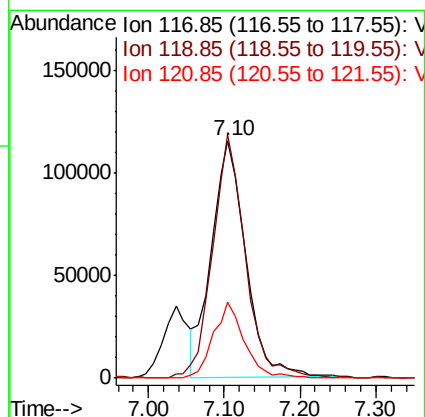
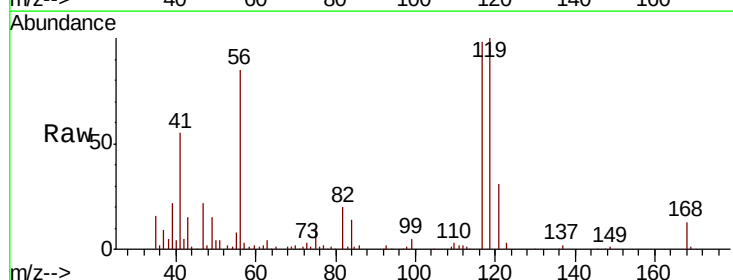
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

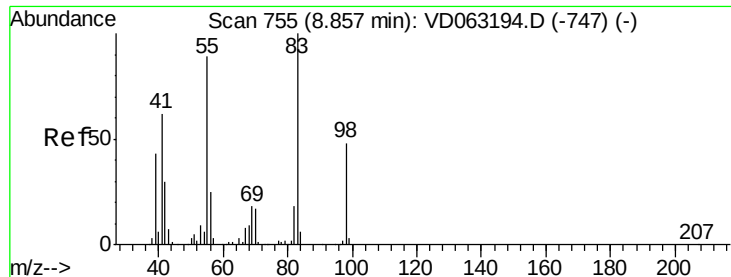
Tot Ion: 43 Resp: 106465
Ion Ratio Lower Upper
43 100
61 16.9 11.3 16.9
70 9.2 5.1 7.7#



#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

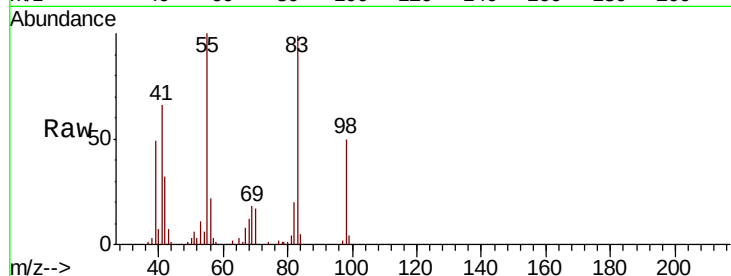




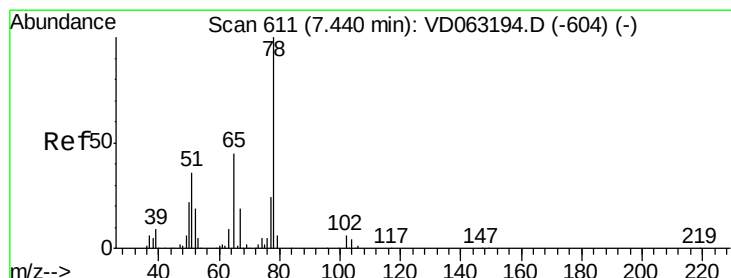
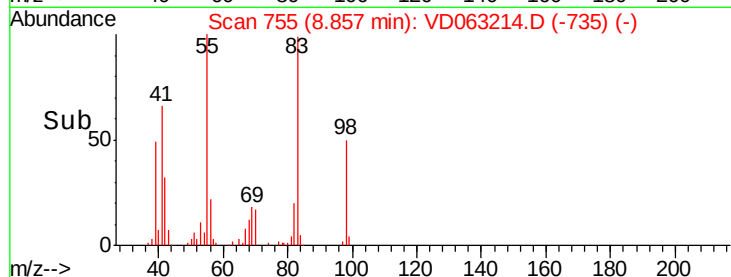
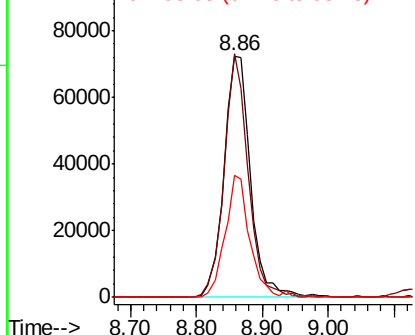
#39
Methylvlcyclohexane
Concen: 20.406 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

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

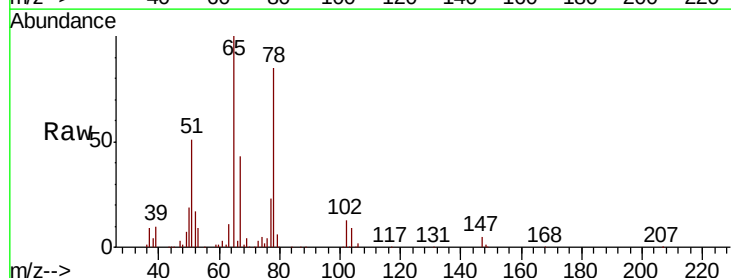


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

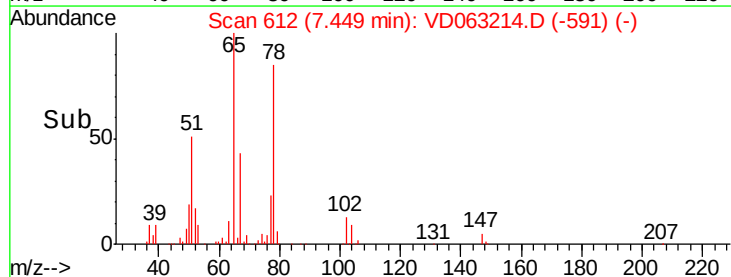
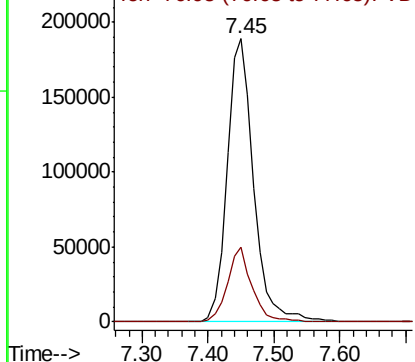


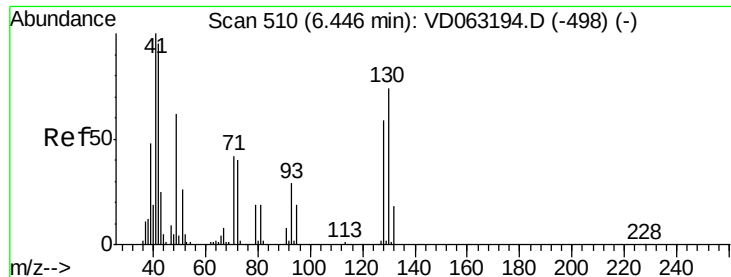
#40
Benzene
Concen: 21.099 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

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



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

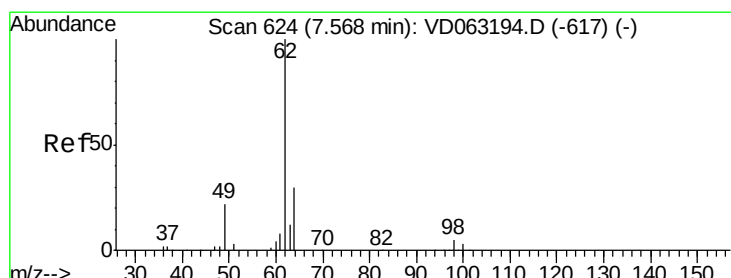
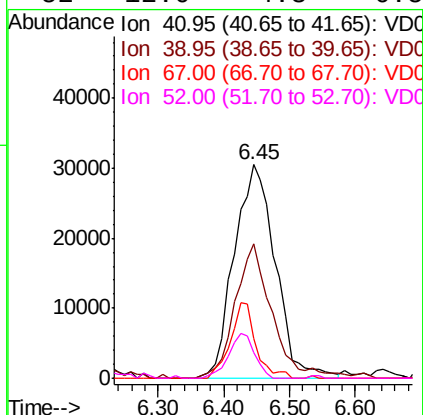
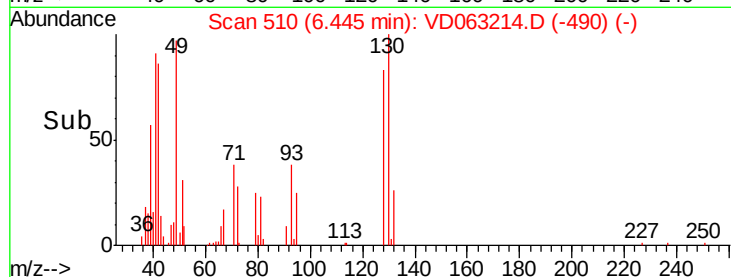
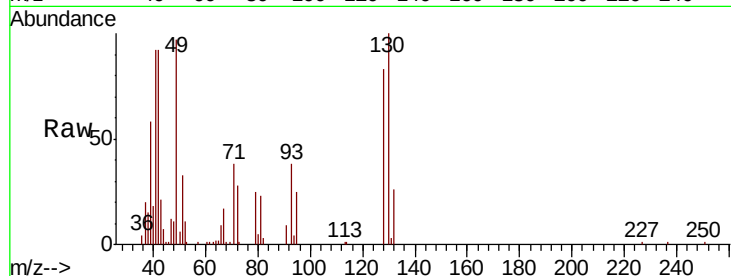




#41
Methacrylonitrile
Concen: 20.758 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

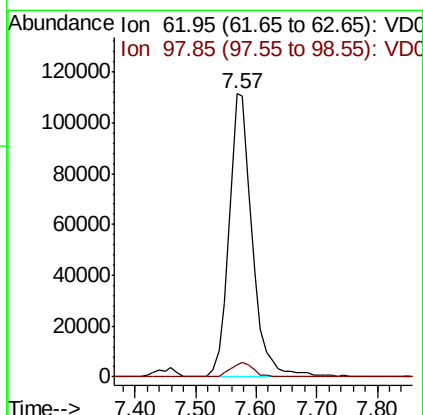
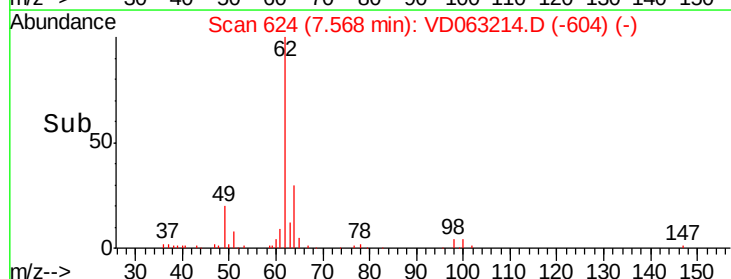
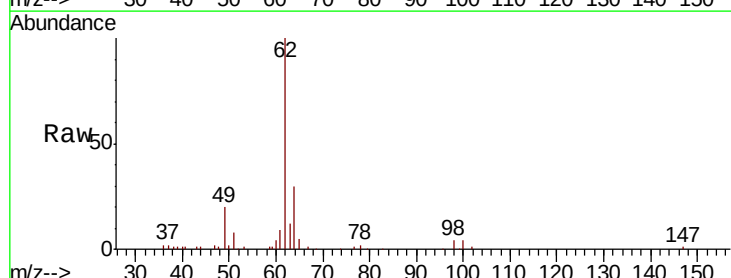
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

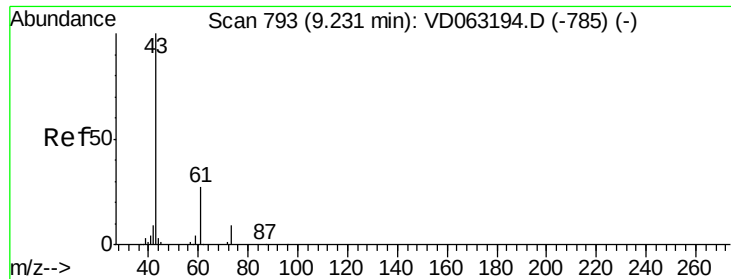
Tot Ion: 41 Resp: 133823
Ion Ratio Lower Upper
41 100
39 62.7 38.4 57.6#
67 18.5 6.7 10.1#
52 12.0 4.3 6.5#



#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

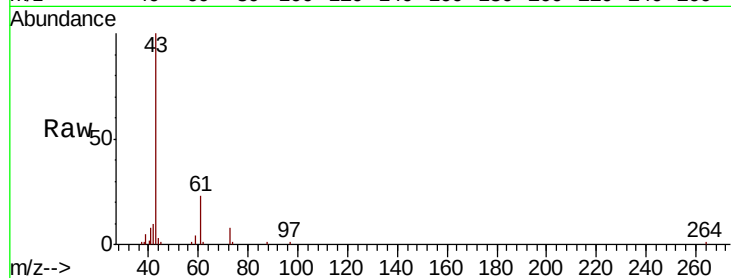
Tot Ion: 43 Resp: 133280

Ion Ratio Lower Upper

43 100

61 23.4 21.4 32.0

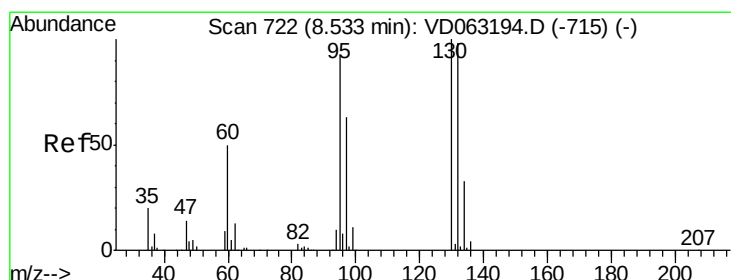
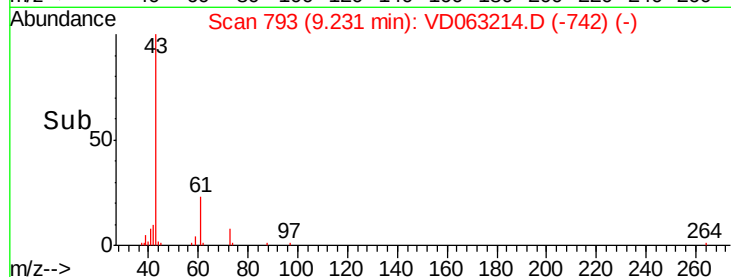
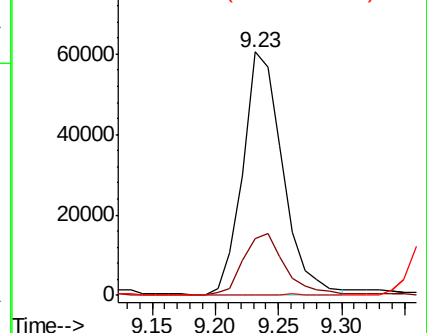
87 0.0 0.2 0.4#



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

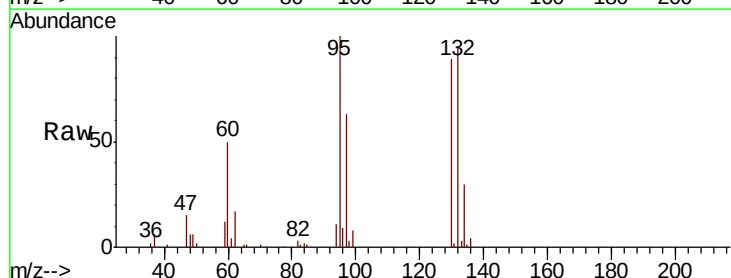
Acq: 29 Jul 2019 23:56

Tgt Ion:130 Resp: 206414

Ion Ratio Lower Upper

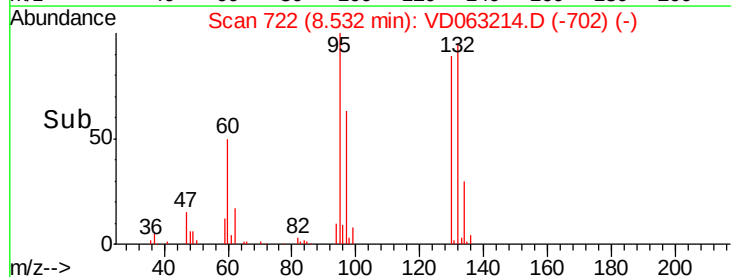
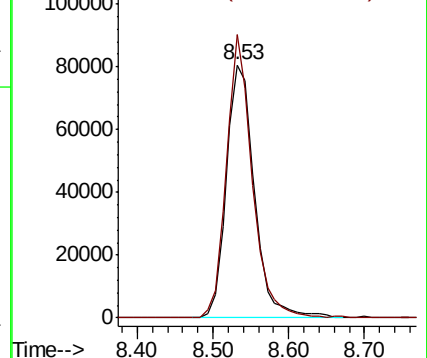
130 100

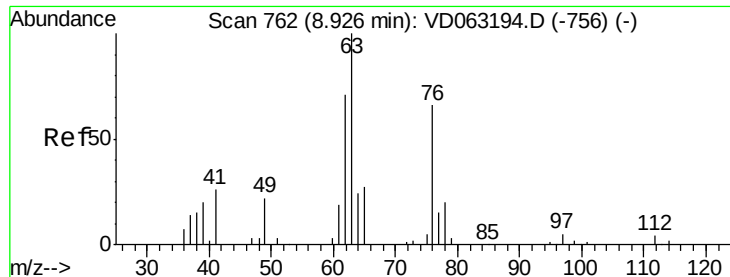
95 111.8 0.0 185.4



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 :

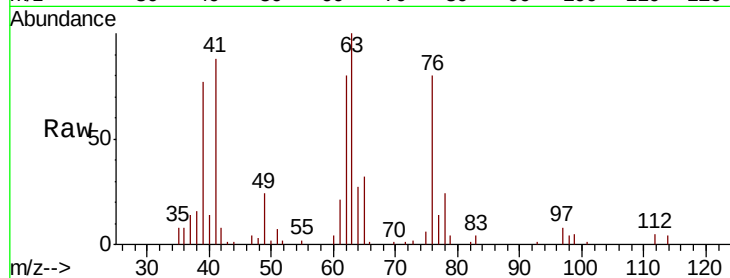
VD0729SBS02

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

60000

50000

40000

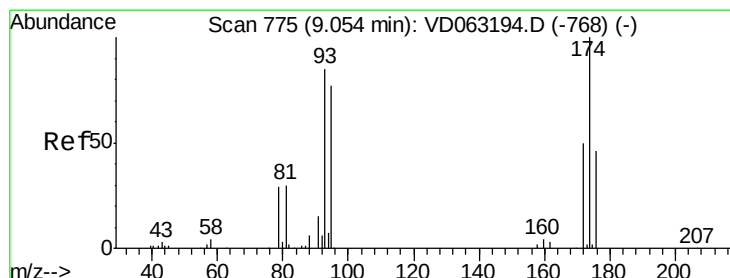
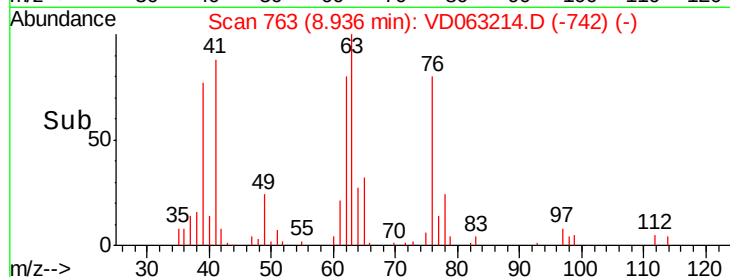
30000

20000

10000

0

Time--> 8.80 8.90 9.00



#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

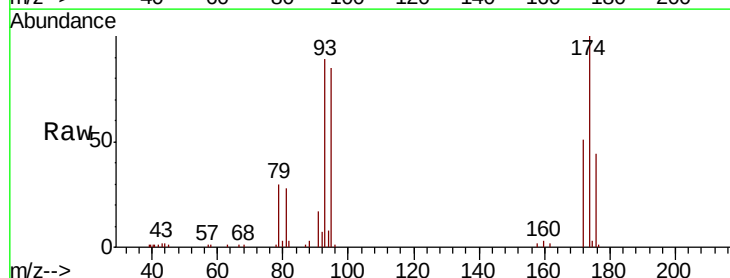
Tgt Ion: 93 Resp: 117004

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

80000

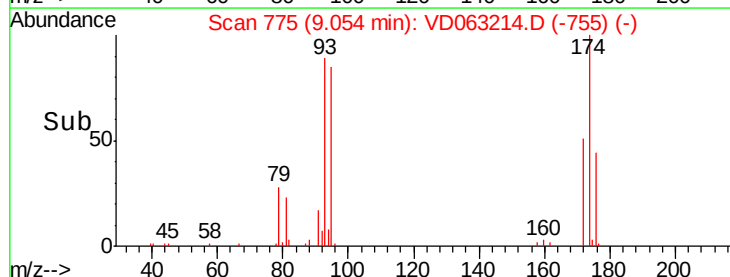
60000

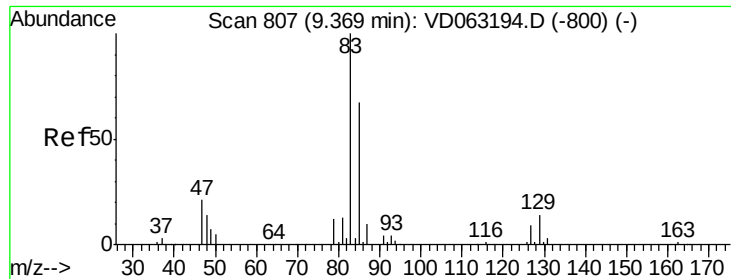
40000

20000

0

Time--> 9.00 9.10





#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

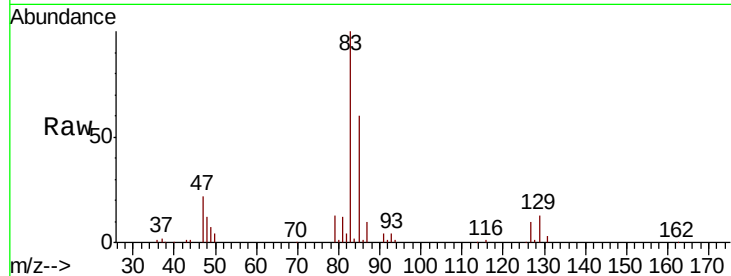
Tot Ion: 83 Resp: 301571

Ion Ratio Lower Upper

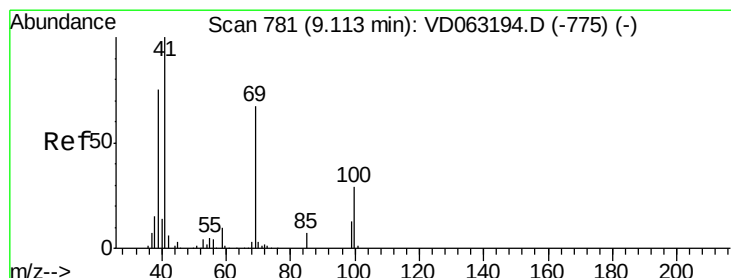
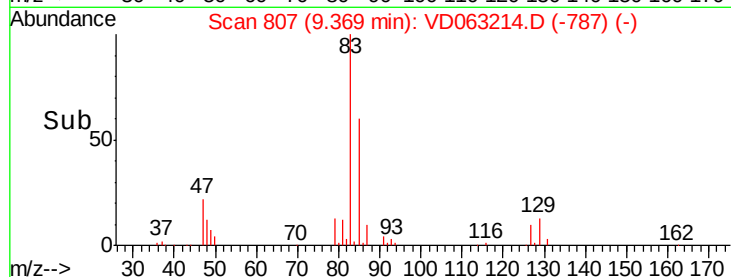
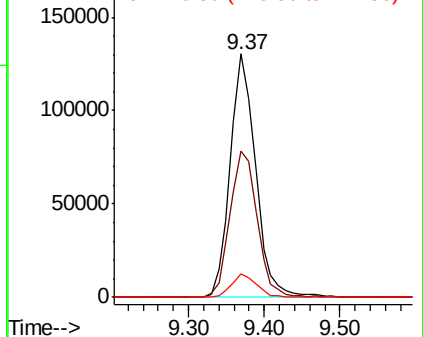
83 100

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

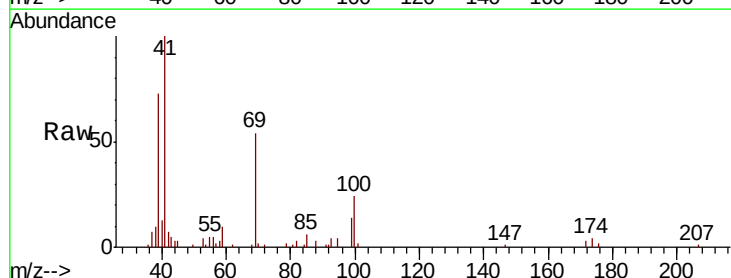
Tgt Ion: 41 Resp: 101868

Ion Ratio Lower Upper

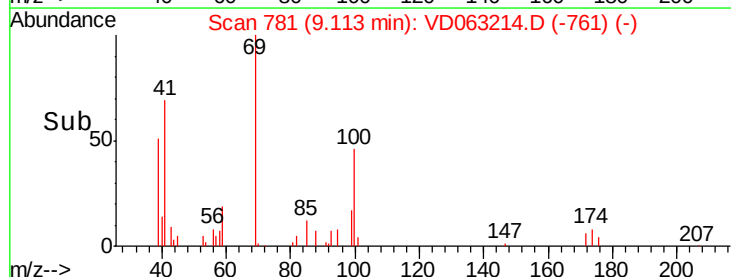
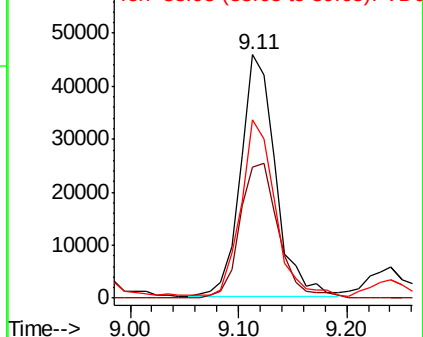
41 100

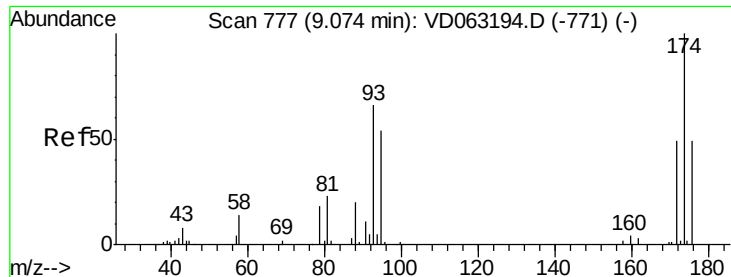
69 53.9 53.4 80.0

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

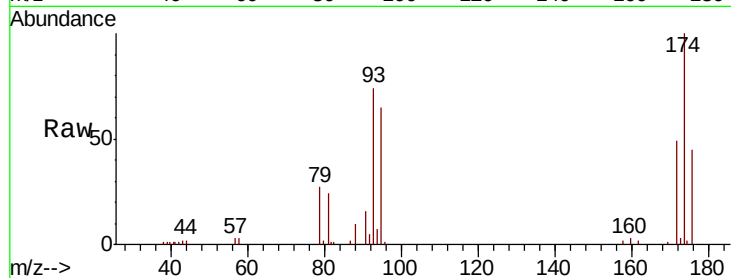




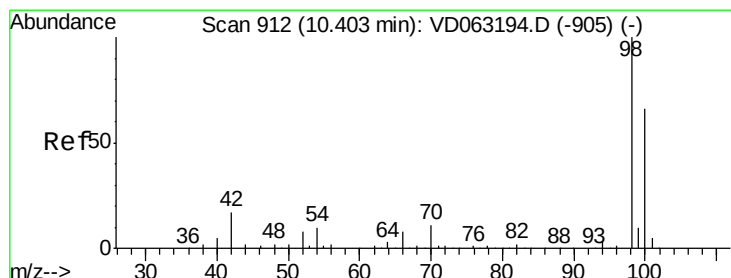
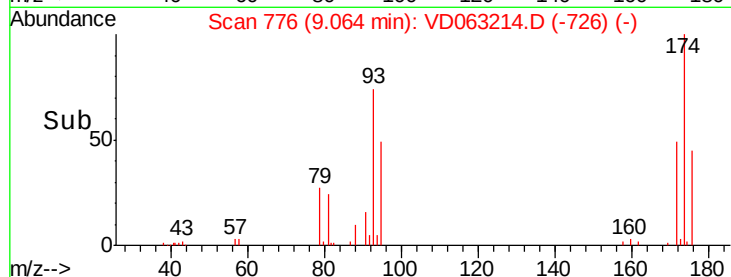
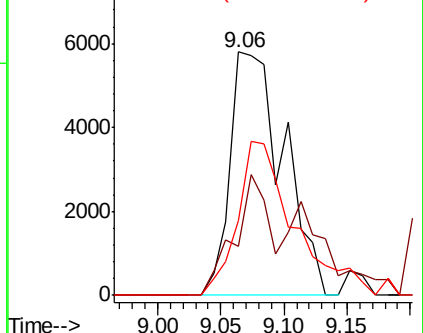
#49
 1,4-Dioxane
 Concen: 448.103 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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#

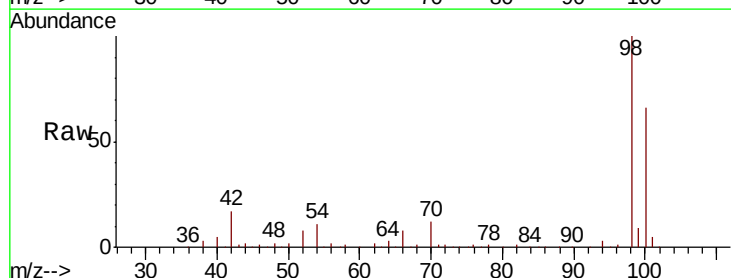


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

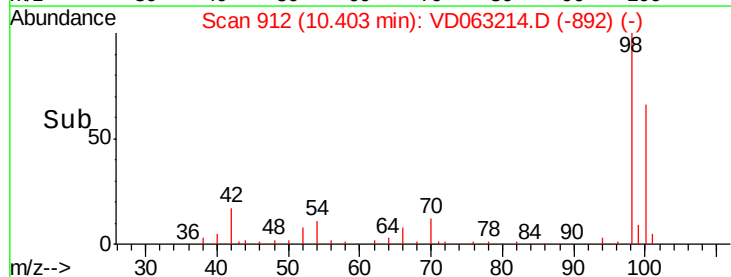
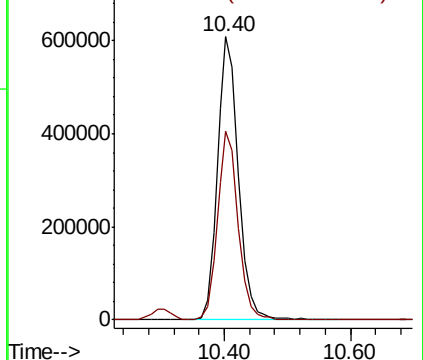


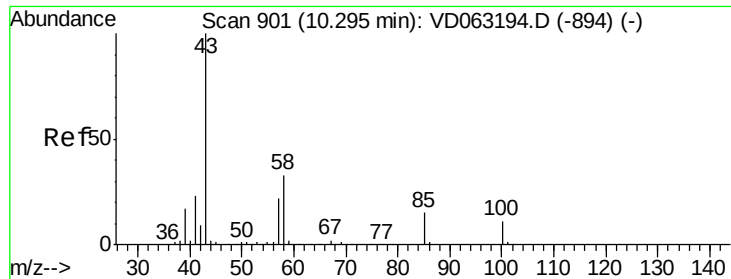
#50
 Toluene-d8
 Concen: 56.086 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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 :

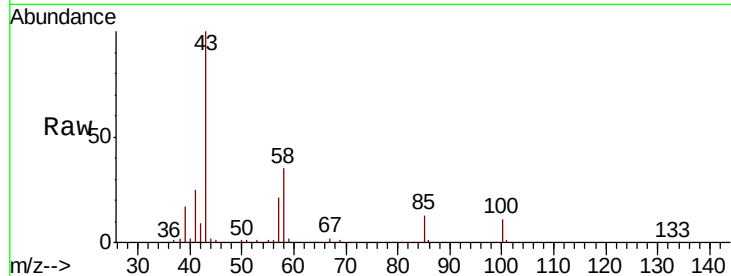
VD0729SBS02

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

Ion 57.95 (57.65 to 58.65): VDC

10.29

250000

200000

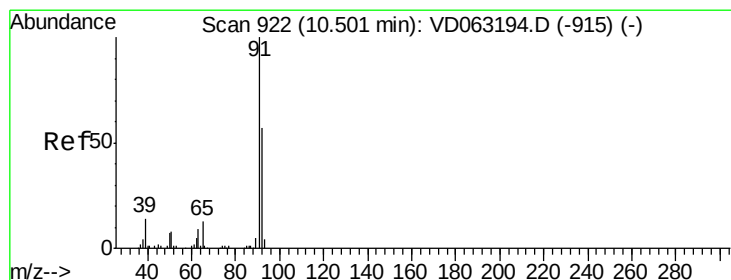
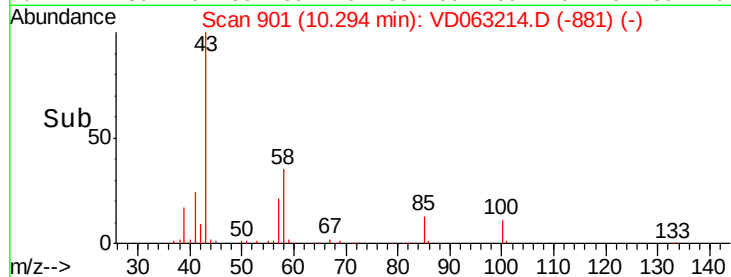
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.769 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063214.D

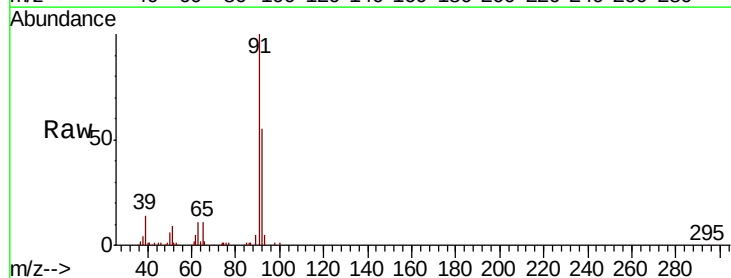
Acq: 29 Jul 2019 23:56

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

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

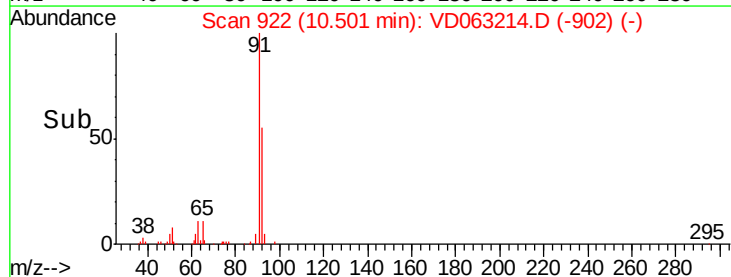
150000

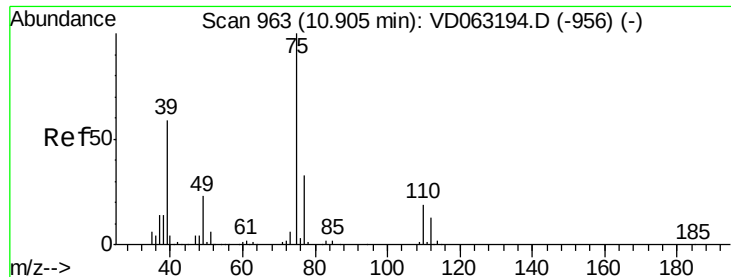
100000

50000

0

Time-->

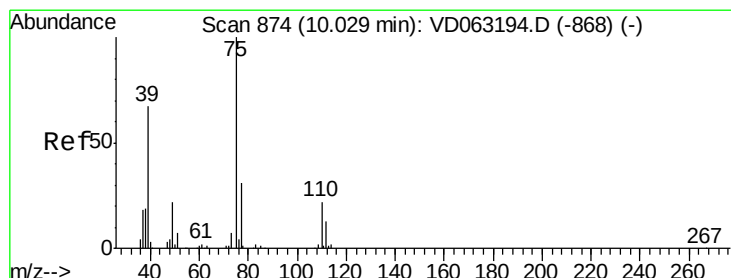
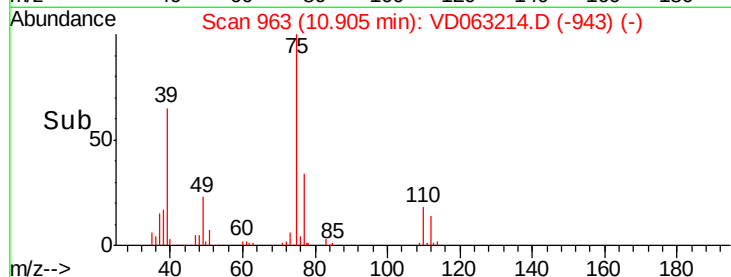
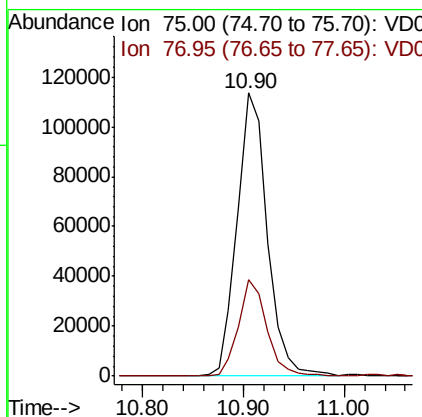
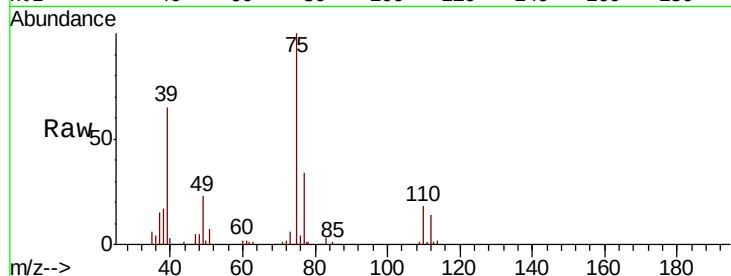




#53
 t-1,3-Dichloropropene
 Concen: 20.317 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

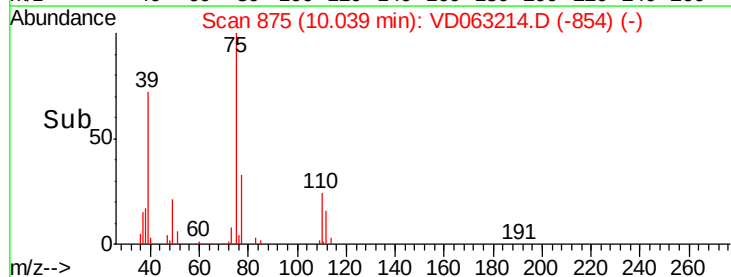
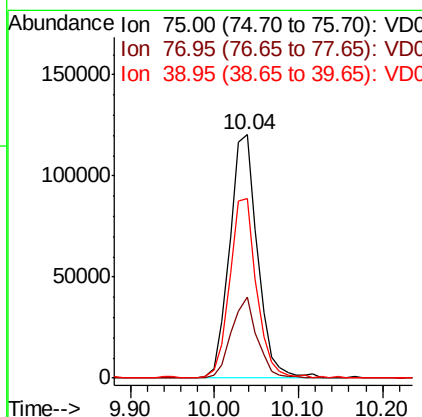
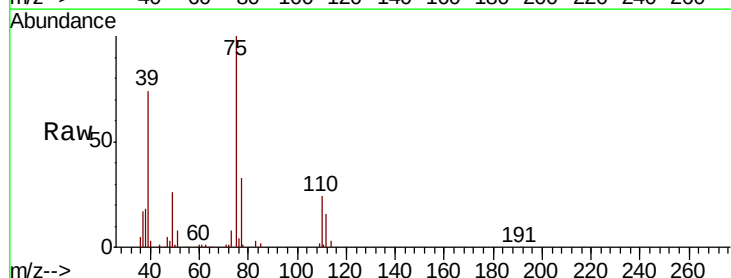
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

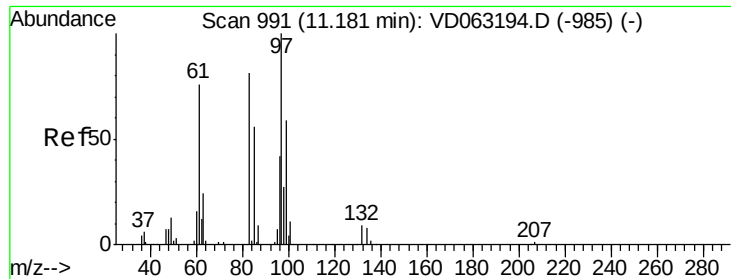
Tot Ion: 75 Resp: 237252
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.6 40.0



#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

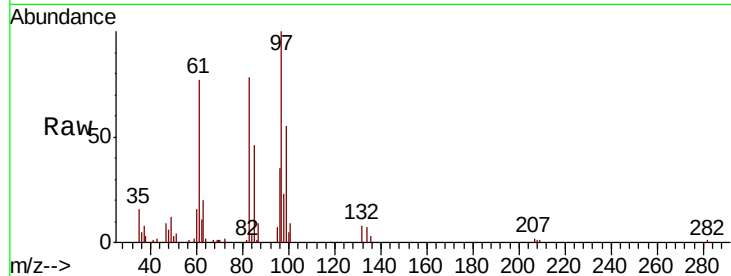
Ion Ratio Lower Upper

97 100

83 77.9 64.8 97.2

85 46.0 44.9 67.3

99 55.0 47.2 70.8

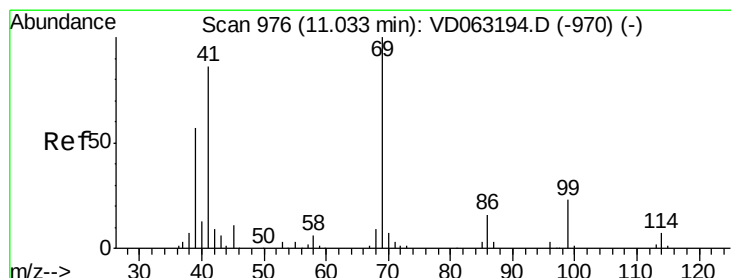
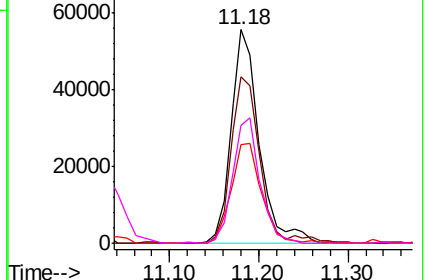
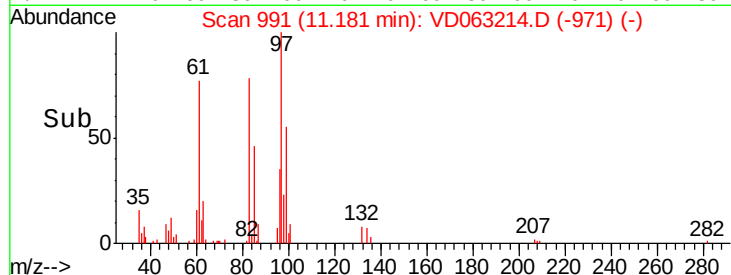


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

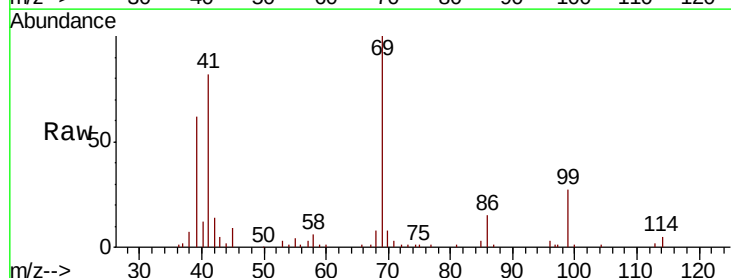
Tgt Ion: 69 Resp: 131457

Ion Ratio Lower Upper

69 100

41 82.3 68.8 103.2

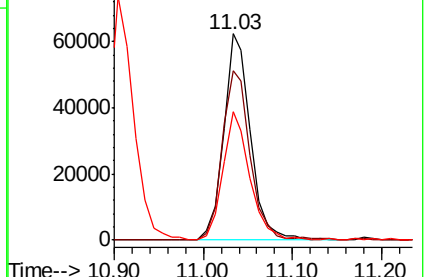
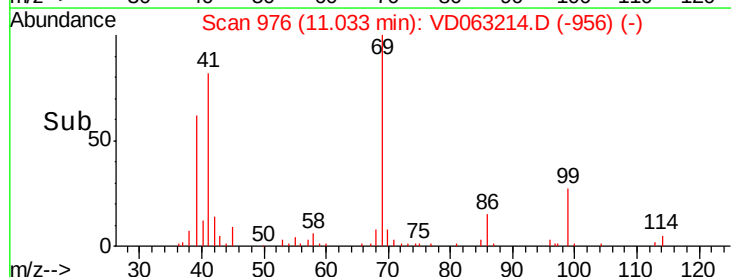
39 62.2 45.8 68.8

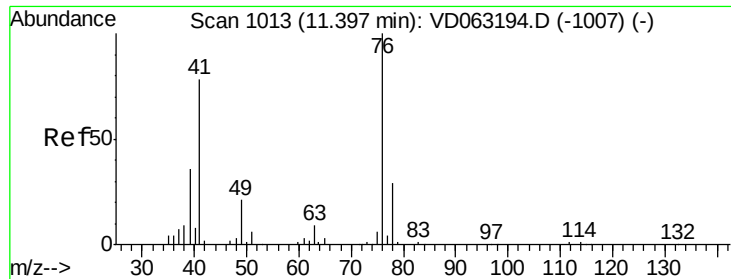


Abundance Ion 69.00 (68.70 to 69.70): VDC

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 :

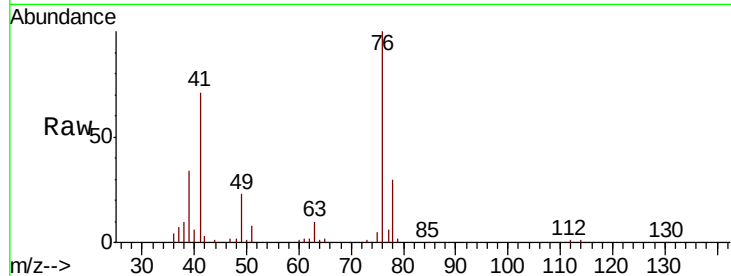
VD0729SBS02

Tot Ion: 76 Resp: 195257

Ion Ratio Lower Upper

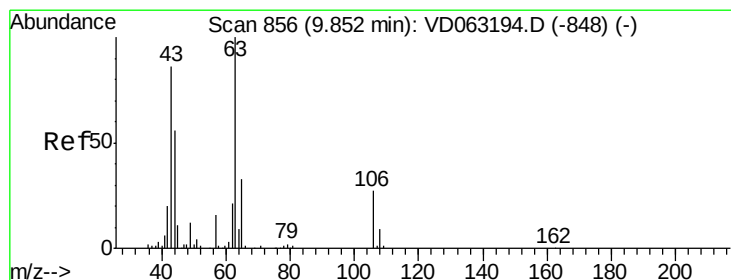
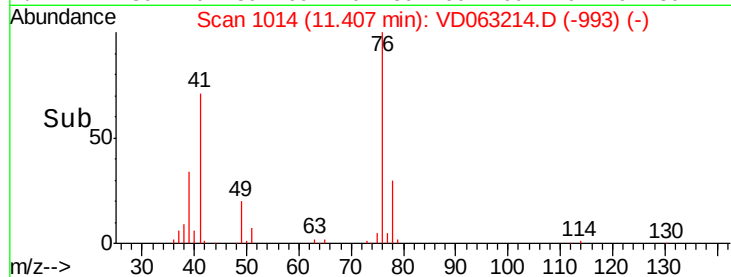
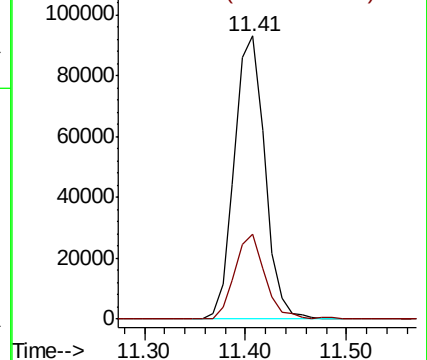
76 100

78 30.0 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.892 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063214.D

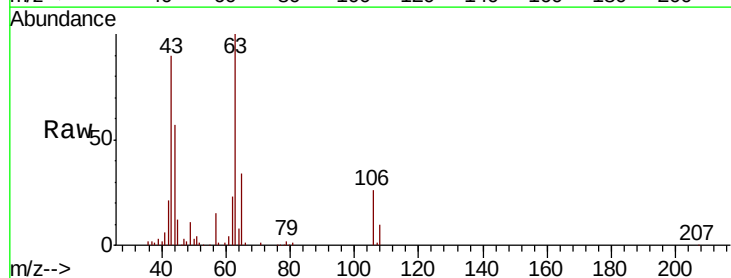
Acq: 29 Jul 2019 23:56

Tgt Ion: 63 Resp: 343974

Ion Ratio Lower Upper

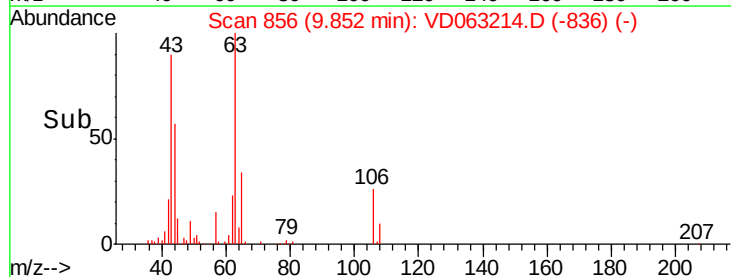
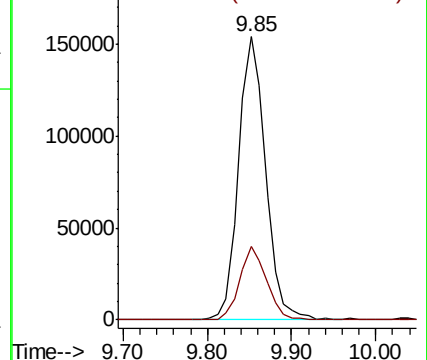
63 100

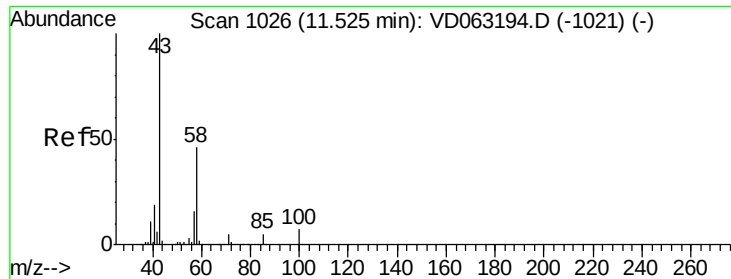
106 25.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

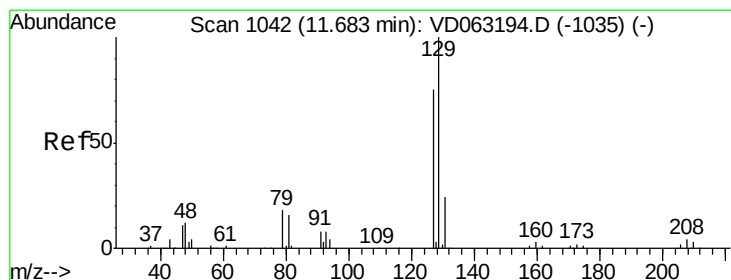
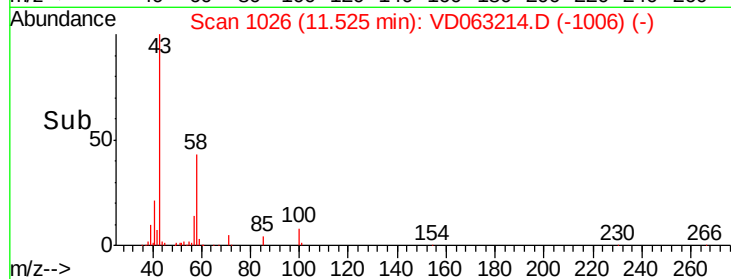
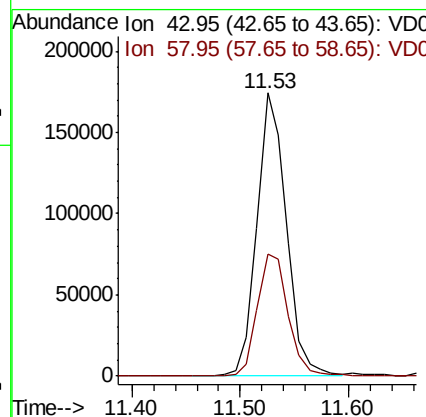
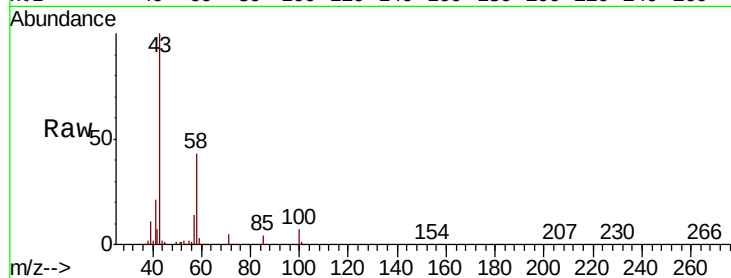




#59
2-Hexanone
Concen: 97.924 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

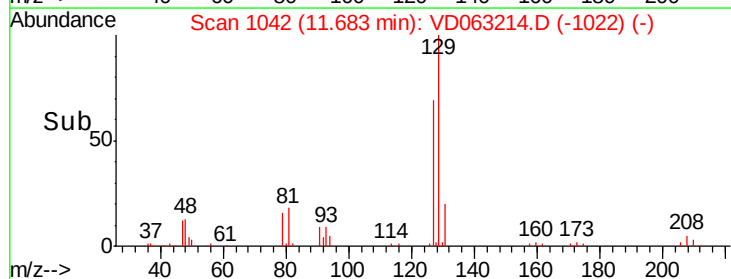
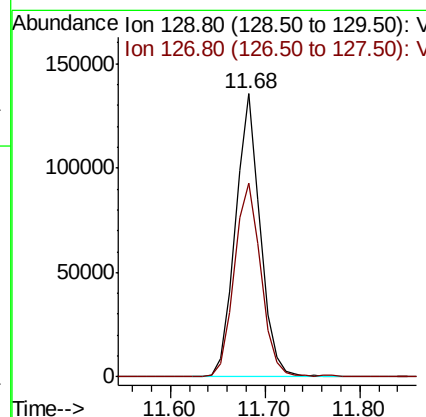
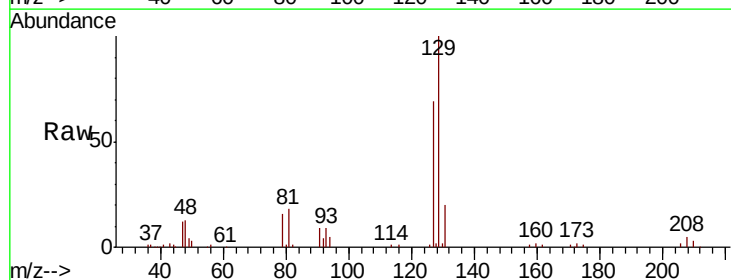
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

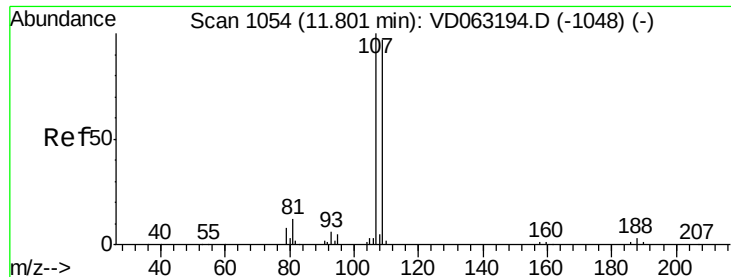
Tot Ion: 43 Resp: 330404
Ion Ratio Lower Upper
43 100
58 43.2 22.9 68.5



#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

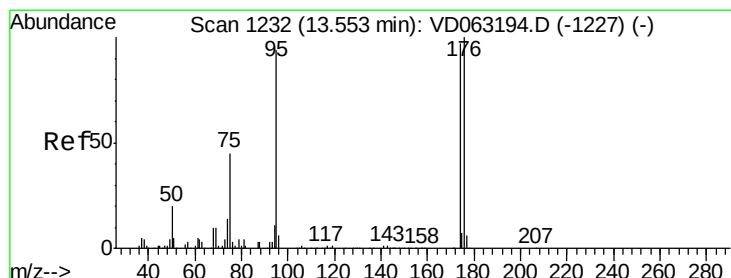
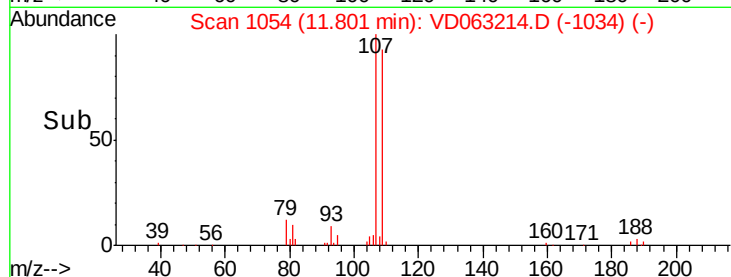
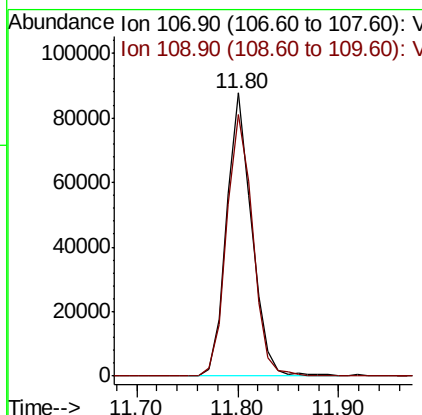
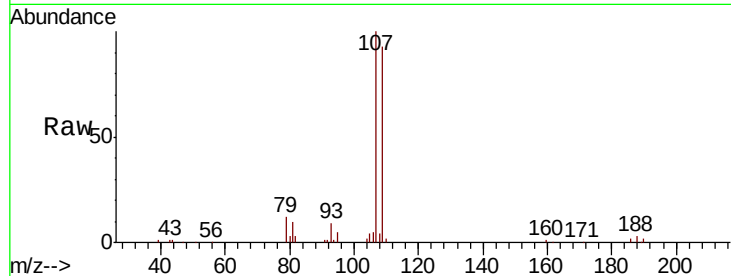




#61
 1,2-Dibromoethane
 Concen: 21.764 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

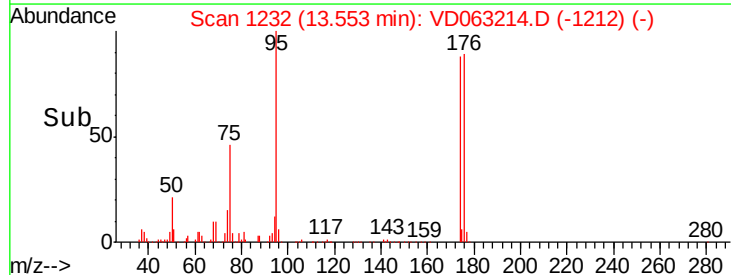
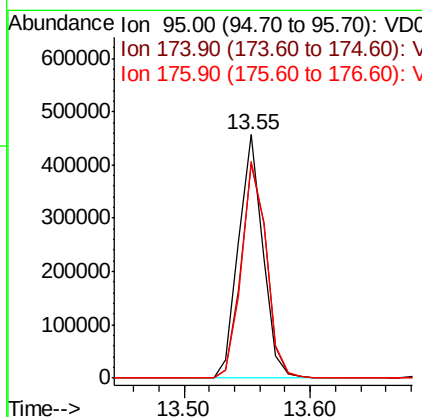
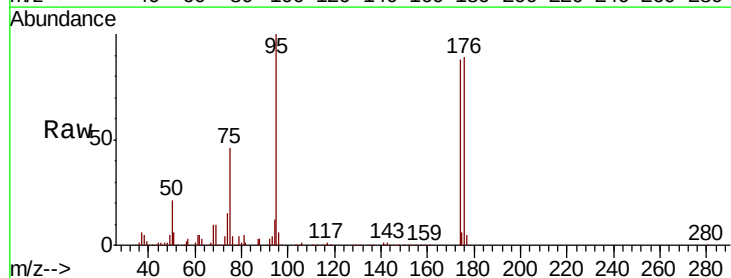
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

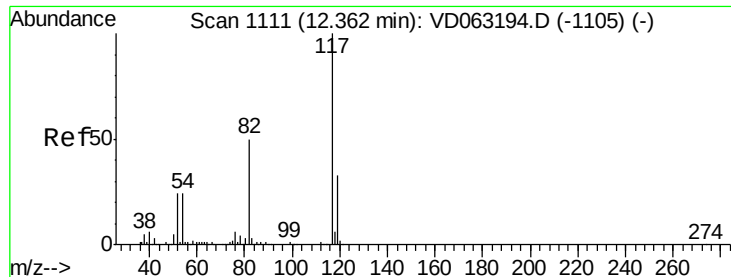
Tot Ion:107 Resp: 151668
 Ion Ratio Lower Upper
 107 100
 109 92.6 77.5 116.3



#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

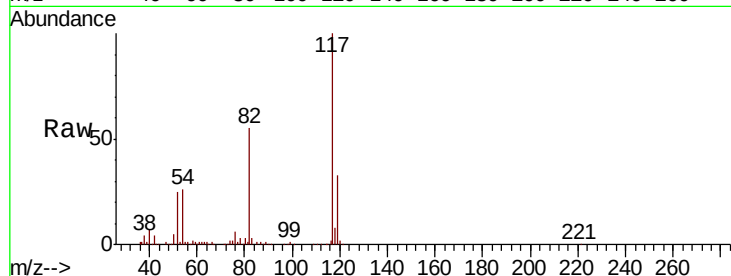




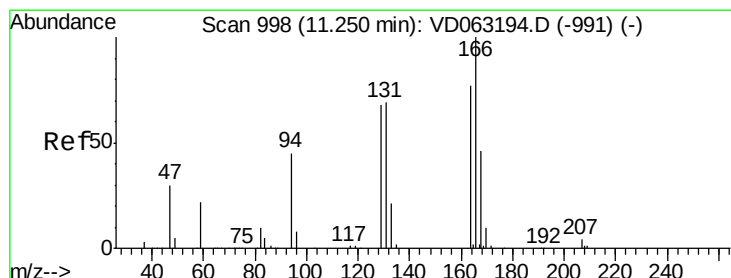
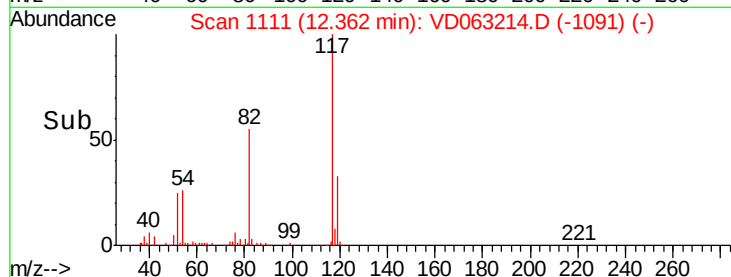
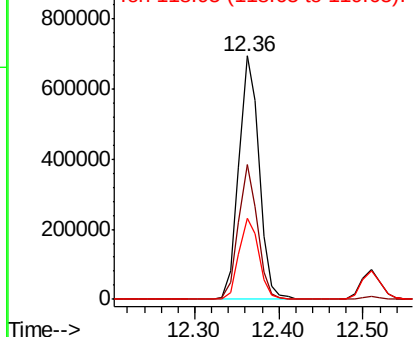
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

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

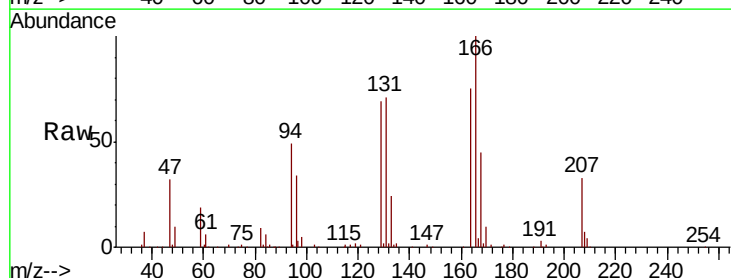


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

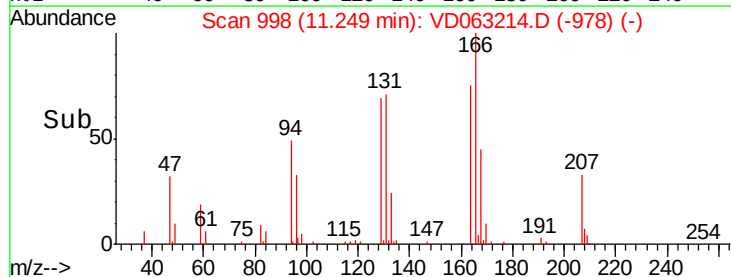
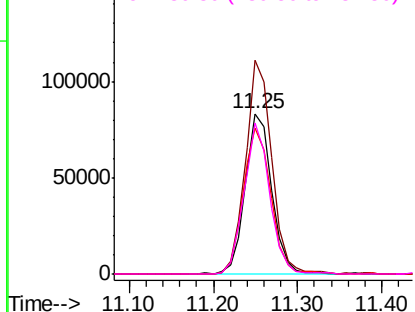


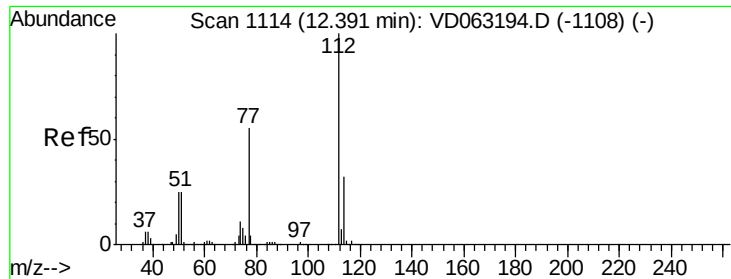
#64
Tetrachloroethene
Concen: 19.869 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

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



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

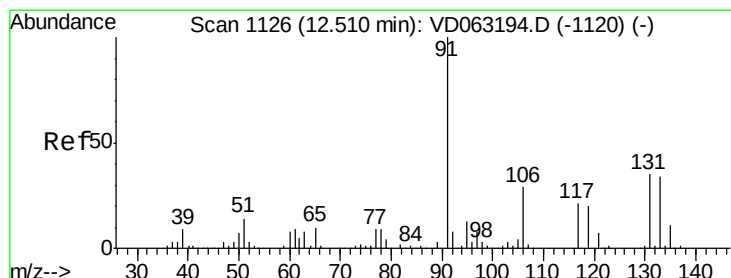
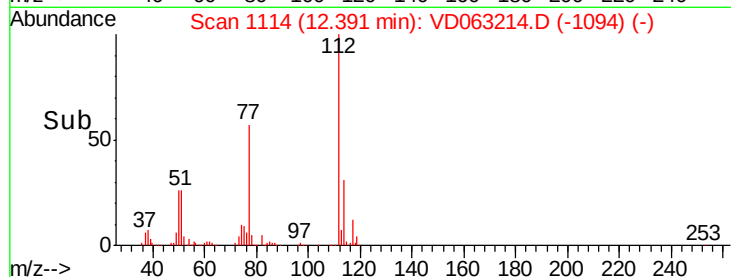
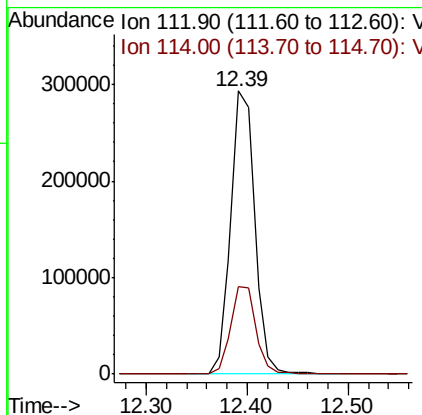
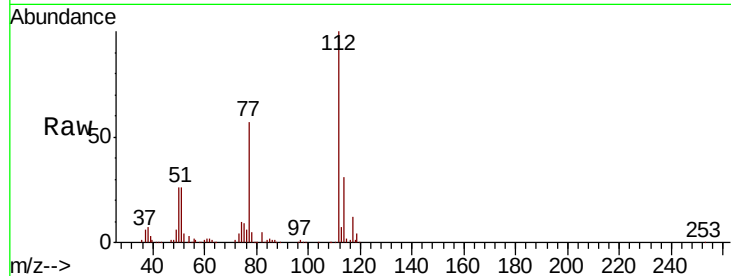




#65
Chlorobenzene
Concen: 21.694 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

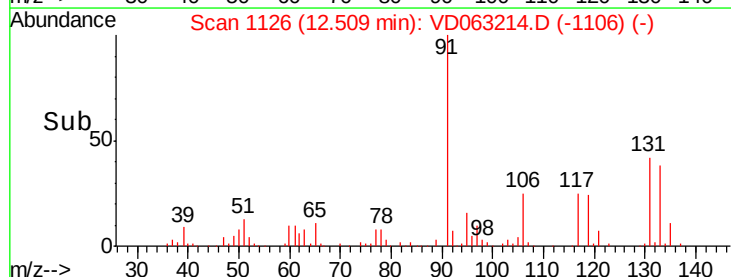
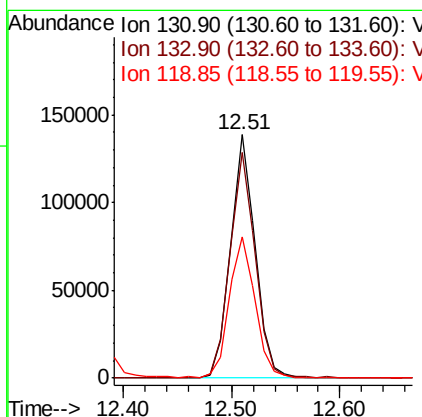
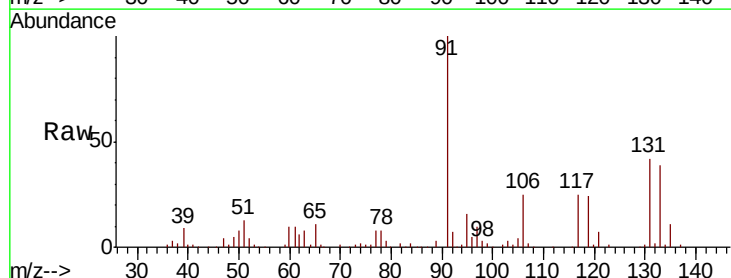
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

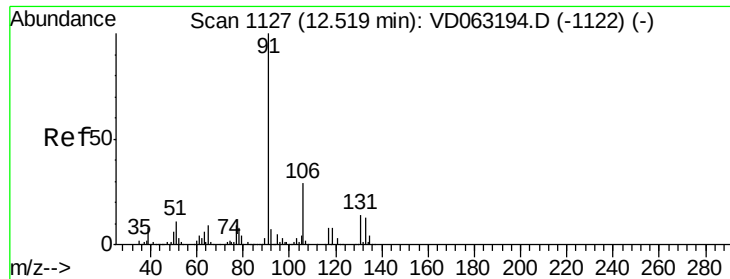
Tot Ion:112 Resp: 485748
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8



#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

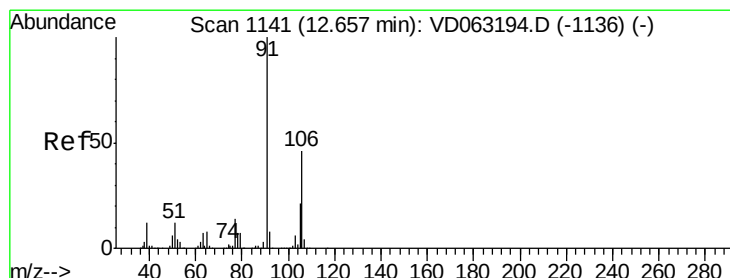
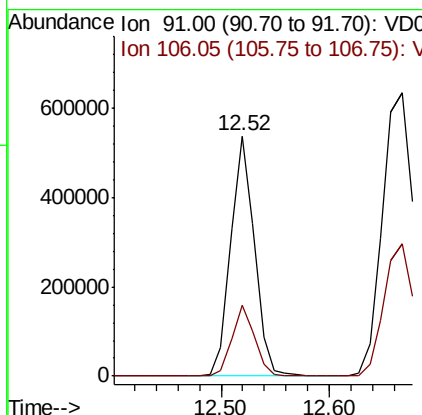
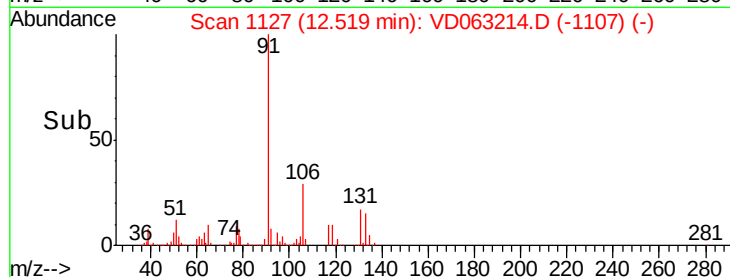
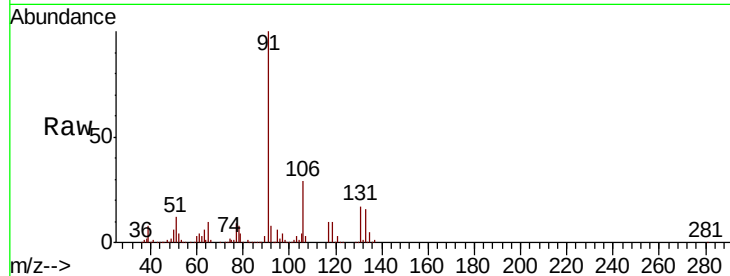




#67
Ethyl Benzene
Concen: 21.668 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

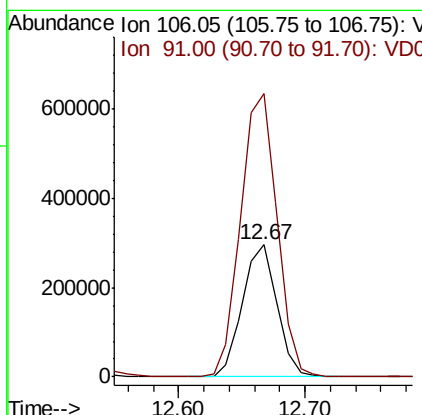
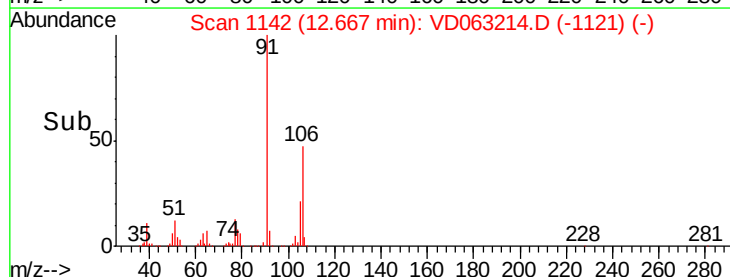
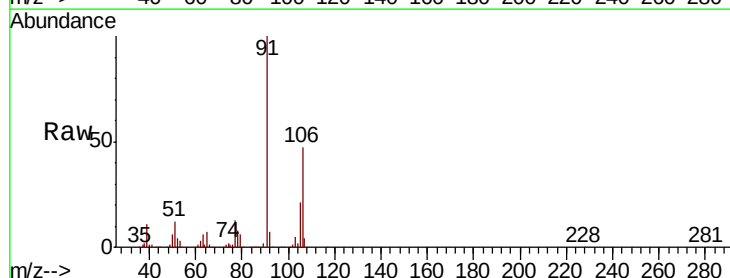
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

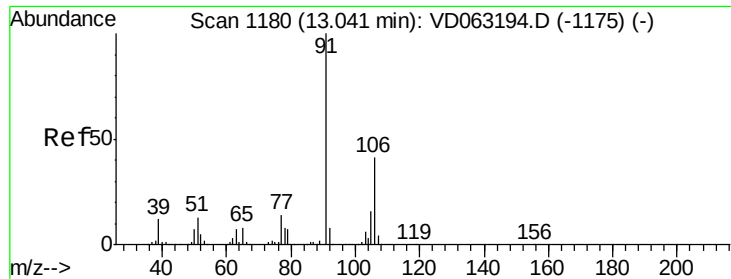
Tot Ion: 91 Resp: 824194
Ion Ratio Lower Upper
91 100
106 29.3 22.9 34.3



#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

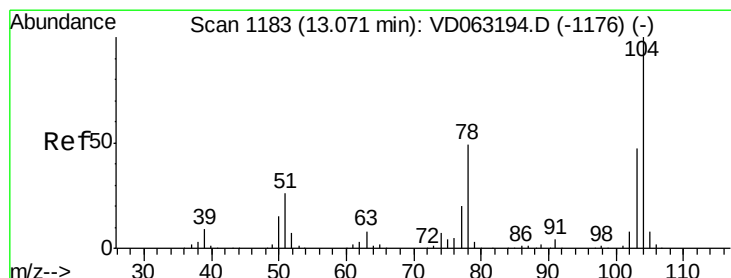
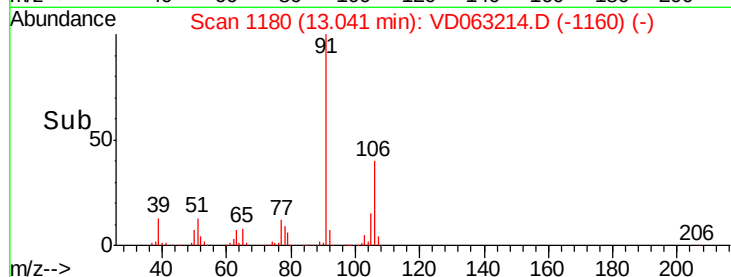
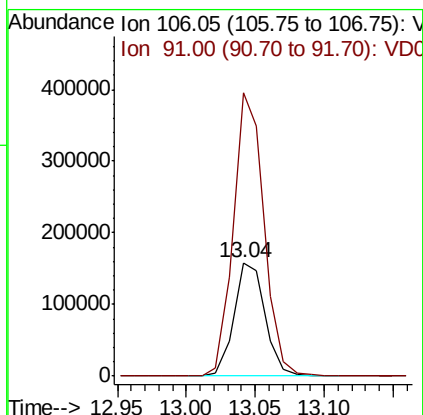
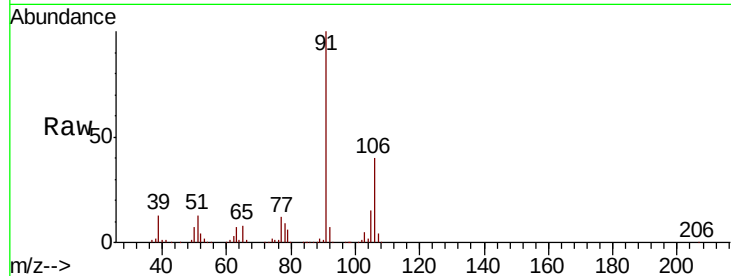




#69
o-Xylene
Concen: 19.490 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

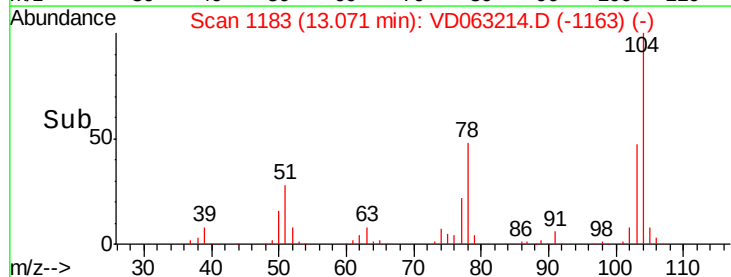
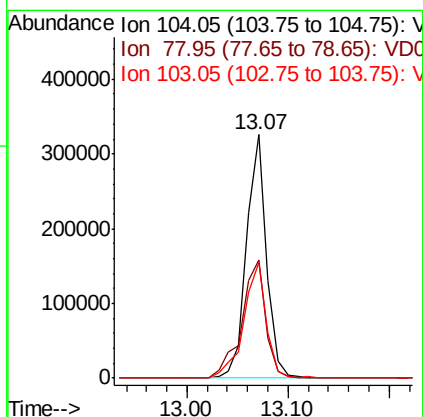
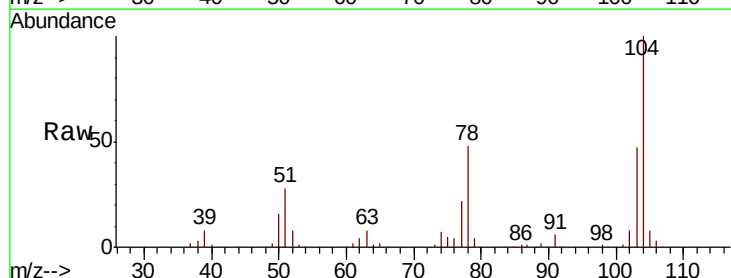
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

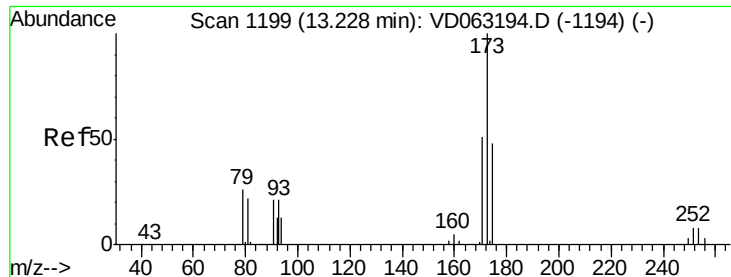
Tot Ion:106 Resp: 249663
Ion Ratio Lower Upper
106 100
91 248.8 121.3 363.9



#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

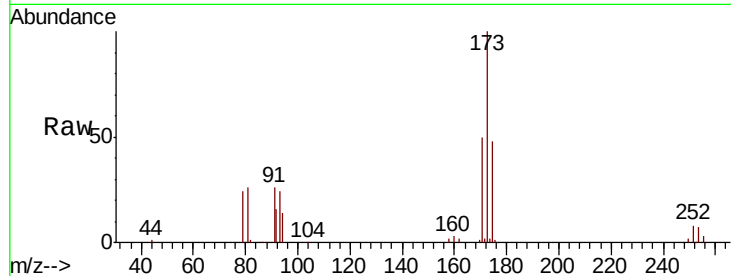




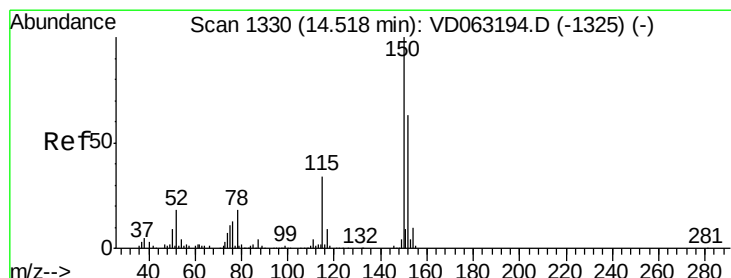
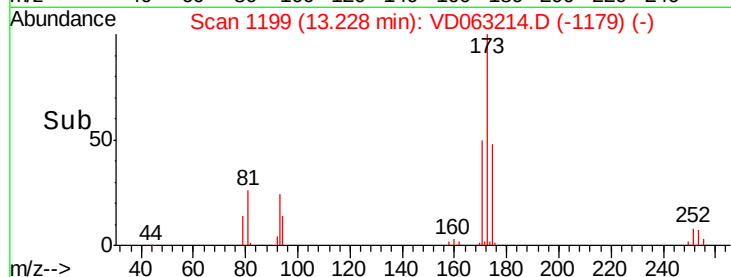
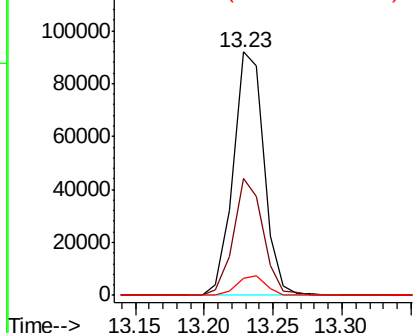
#71
Bromoform
Concen: 19.963 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

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

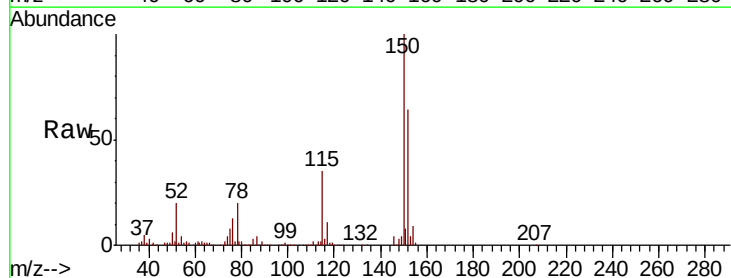


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

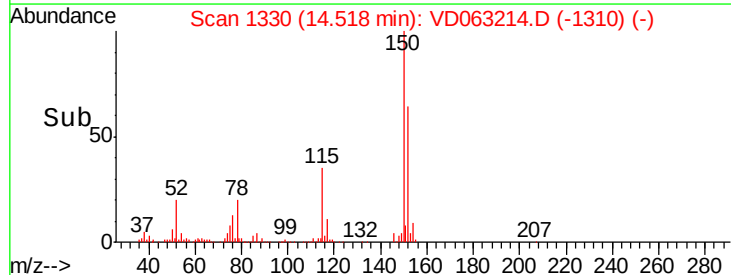
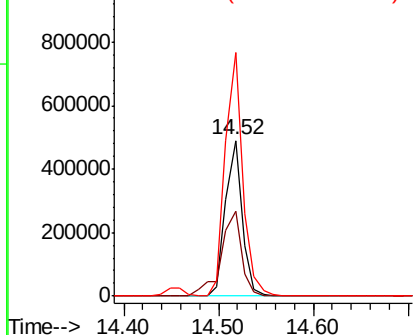


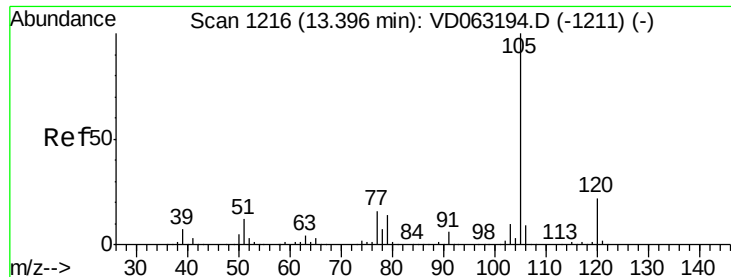
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

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



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 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 :

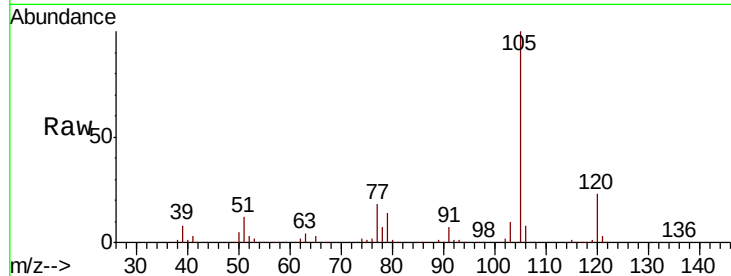
VD0729SBS02

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

600000

500000

400000

300000

200000

100000

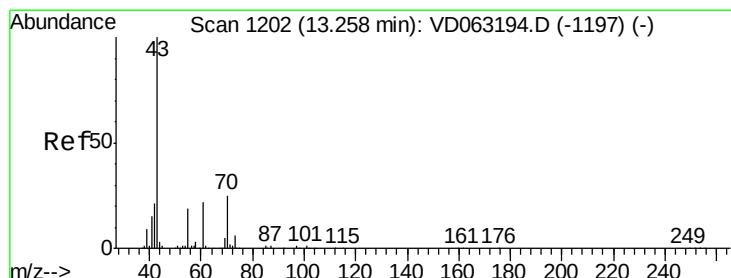
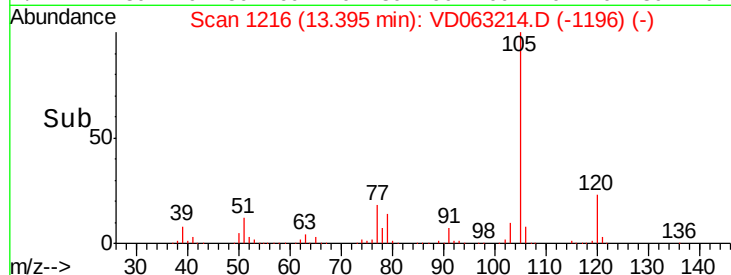
0

13.40

13.30

13.50

Time-->



#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

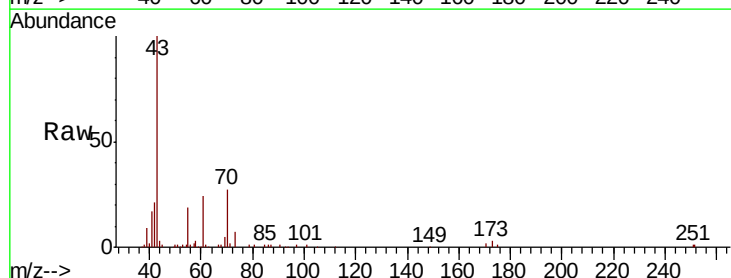
Ion Ratio Lower Upper

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

200000

150000

100000

50000

0

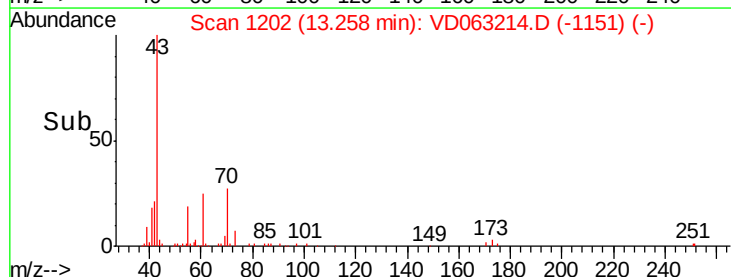
13.26

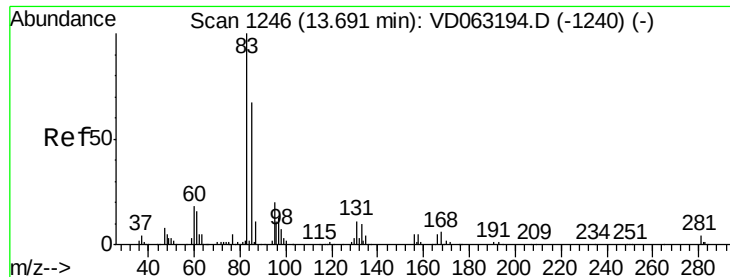
13.20

13.30

13.40

Time-->





#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

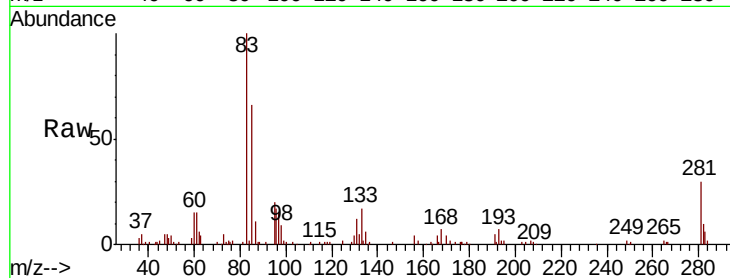
Tot Ion: 83 Resp: 136131

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.7

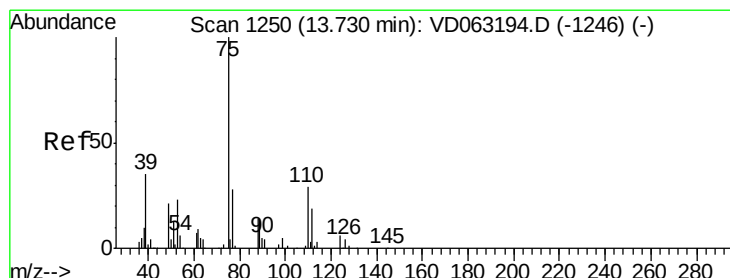
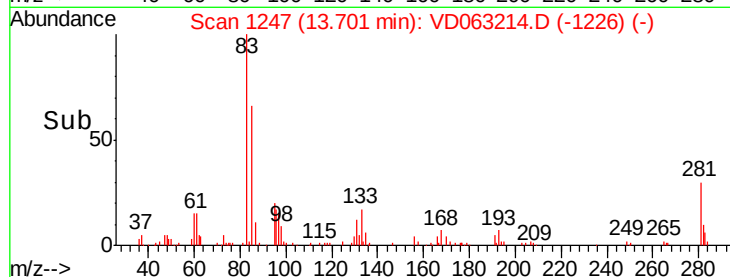
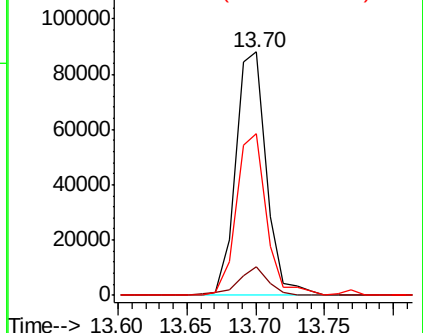
85 66.5 33.7 101.1



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

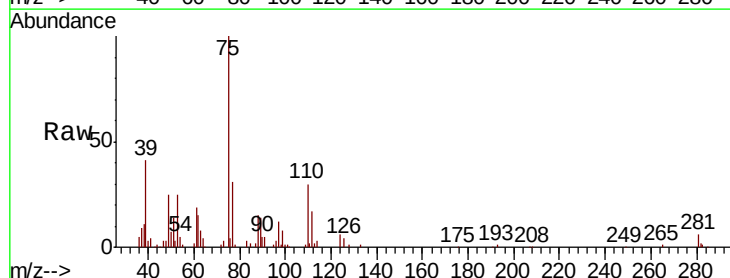
Acq: 29 Jul 2019 23:56

Tgt Ion: 75 Resp: 160728

Ion Ratio Lower Upper

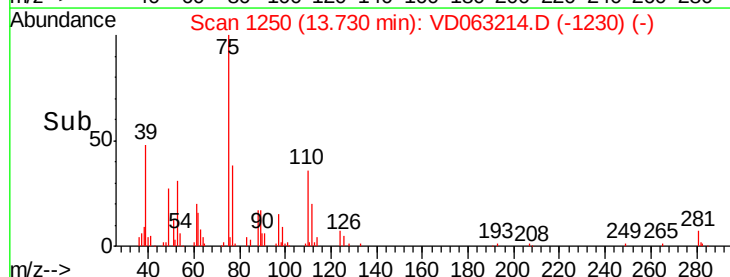
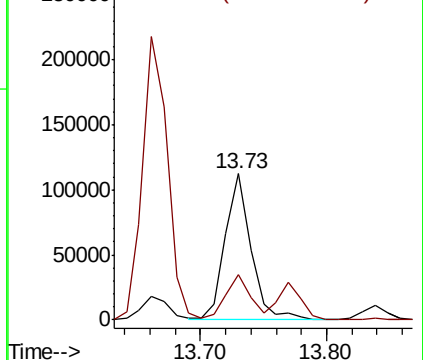
75 100

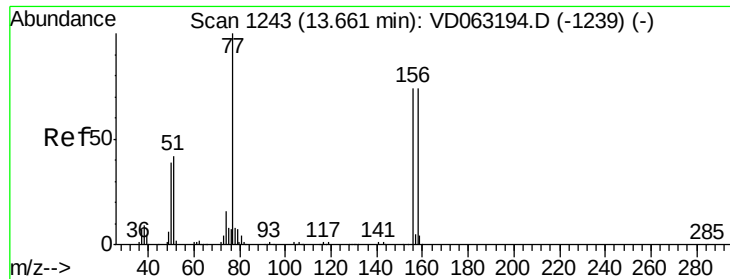
77 31.3 16.0 48.0



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

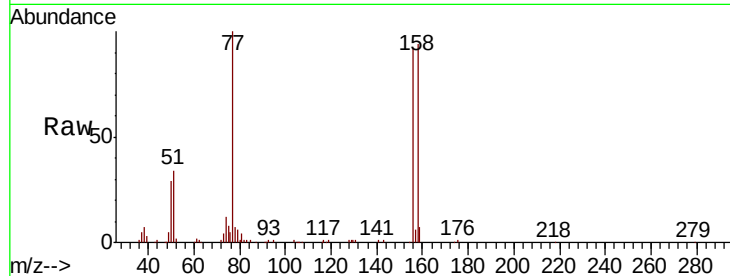
Tot Ion:156 Resp: 224776

Ion Ratio Lower Upper

156 100

77 108.7 67.6 202.8

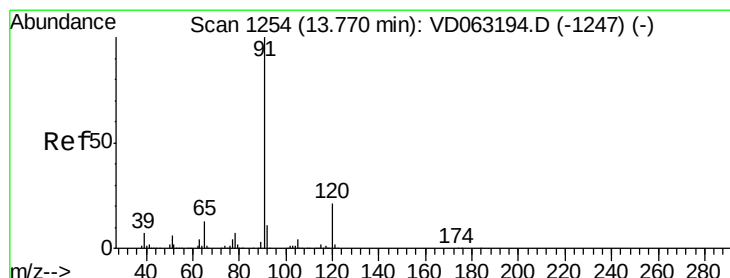
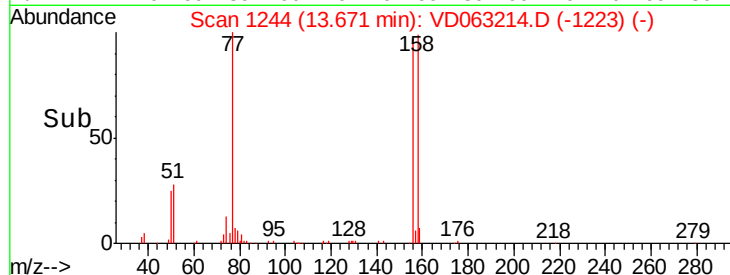
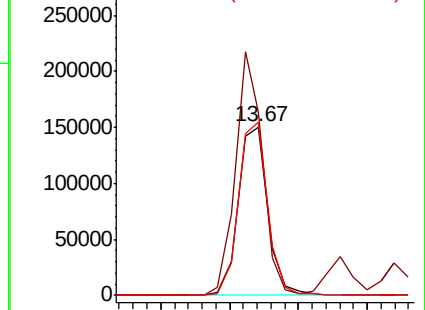
158 102.4 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.528 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063214.D

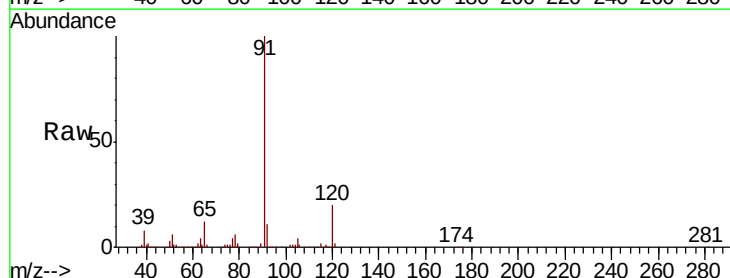
Acq: 29 Jul 2019 23:56

Tgt Ion: 91 Resp: 922461

Ion Ratio Lower Upper

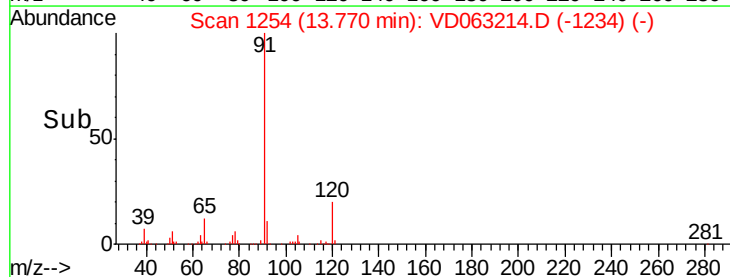
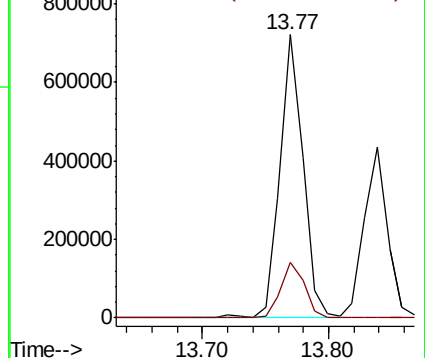
91 100

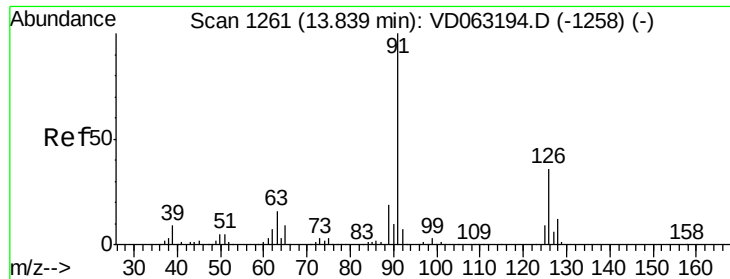
120 19.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

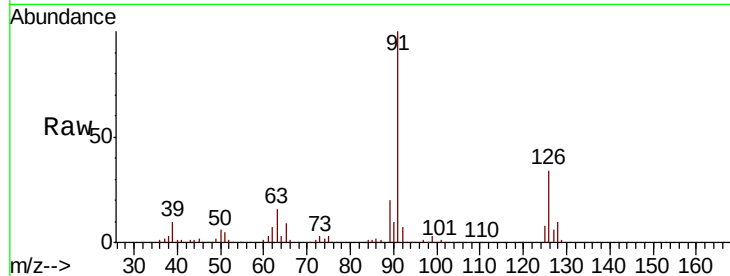




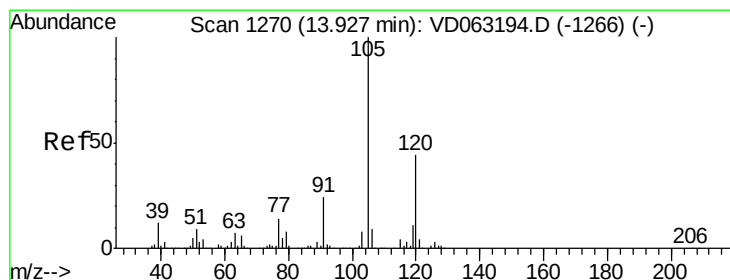
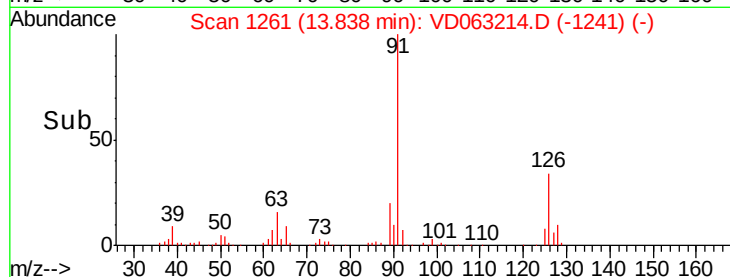
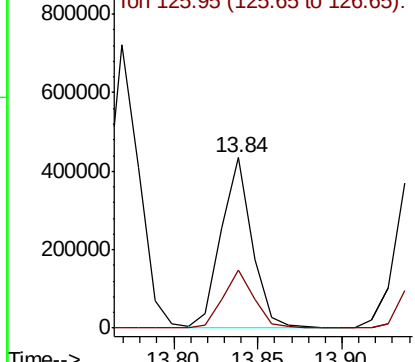
#79
 2-Chlorotoluene
 Concen: 21.277 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

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

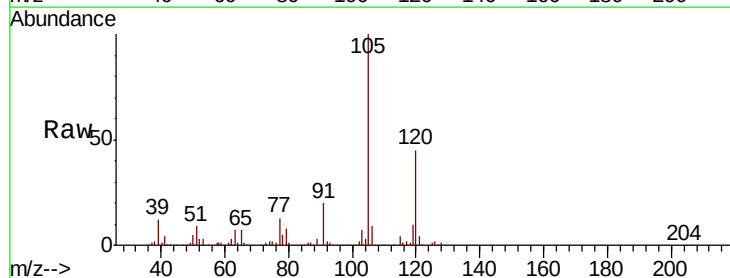


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

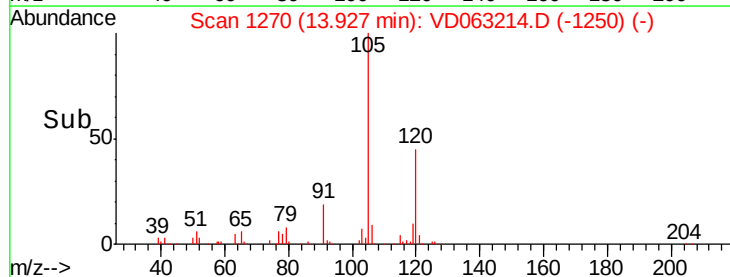
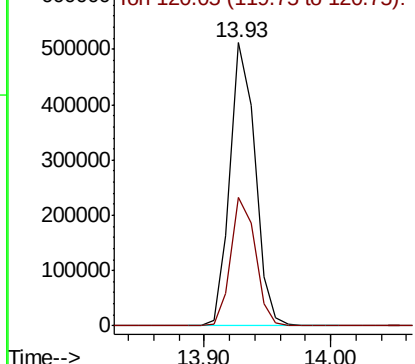


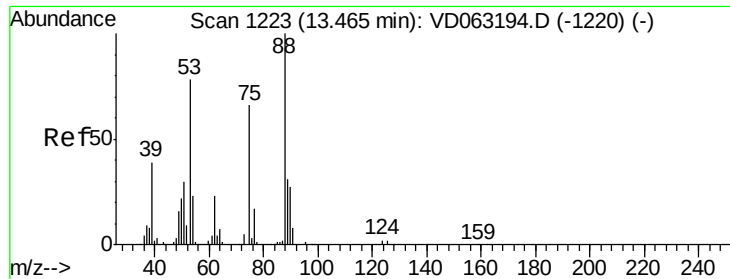
#80
 1,3,5-Trimethylbenzene
 Concen: 21.605 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#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

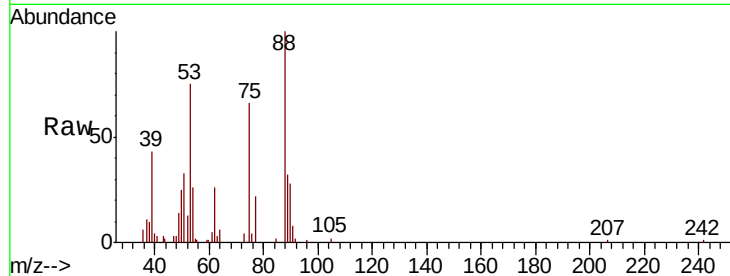
Tot Ion: 75 Resp: 35833

Ion Ratio Lower Upper

75 100

53 115.0 94.9 142.3

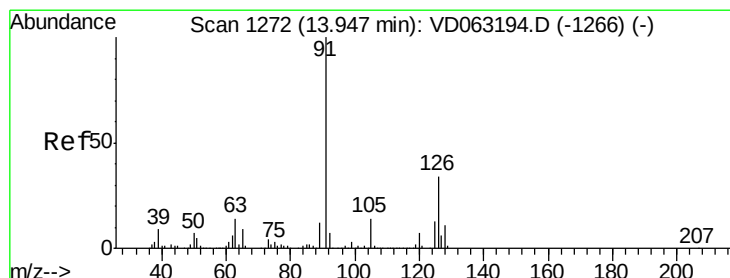
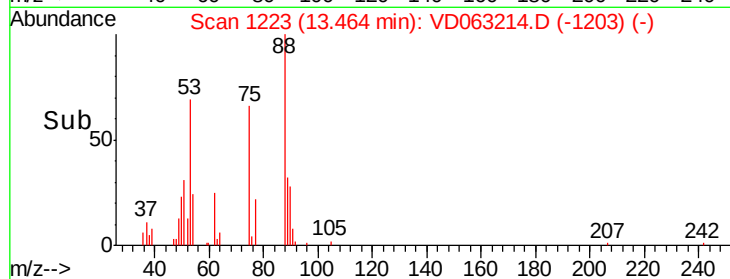
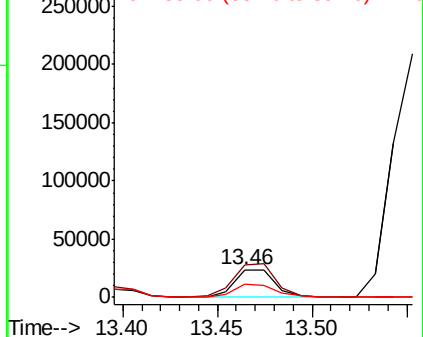
89 49.2 37.4 56.0



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

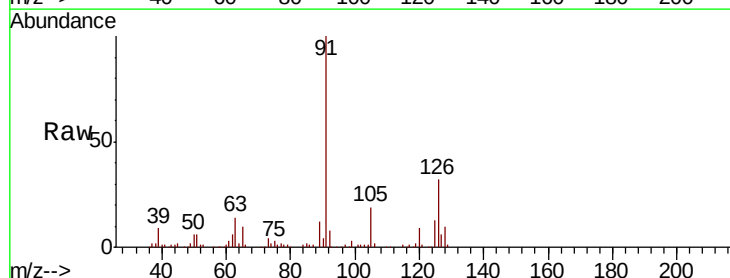
Acq: 29 Jul 2019 23:56

Tgt Ion: 91 Resp: 667476

Ion Ratio Lower Upper

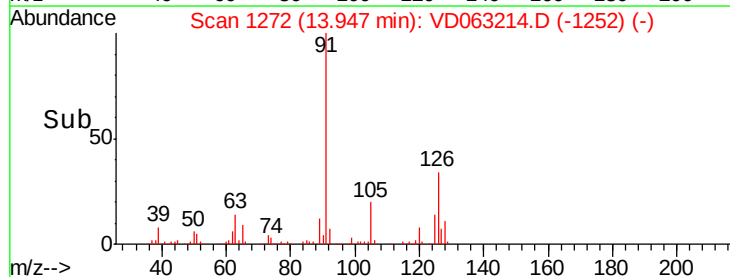
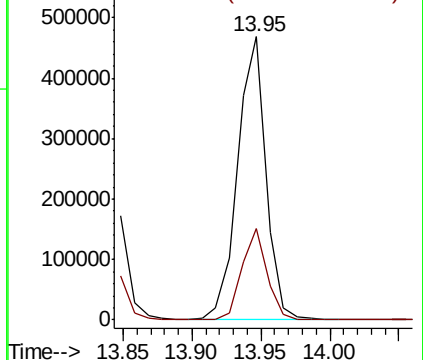
91 100

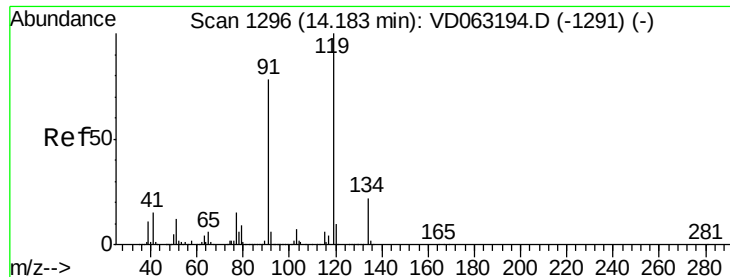
126 32.3 17.1 51.2



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

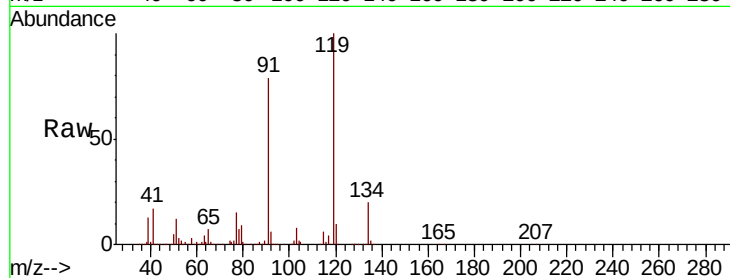
Tot Ion:119 Resp: 698672

Ion Ratio Lower Upper

119 100

91 78.5 39.1 117.5

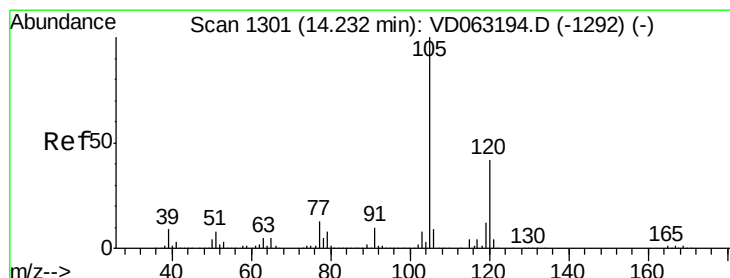
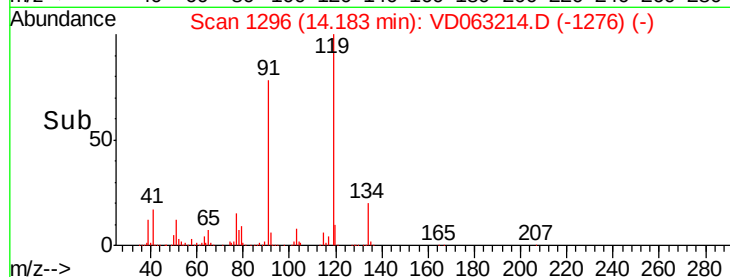
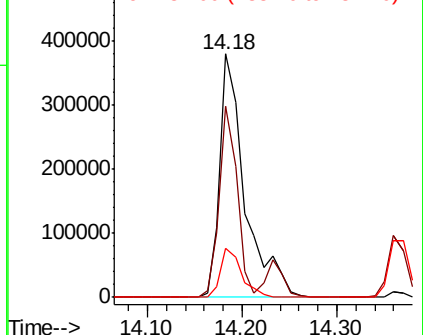
134 20.3 10.9 32.6



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

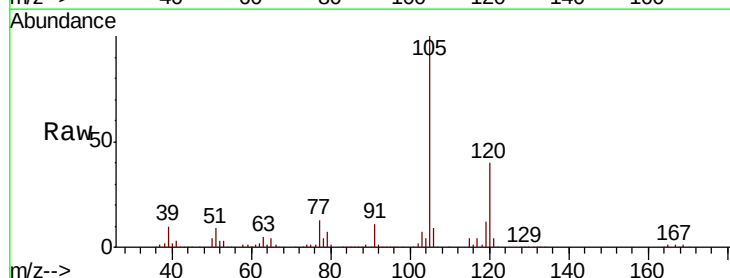
Acq: 29 Jul 2019 23:56

Tgt Ion:105 Resp: 680539

Ion Ratio Lower Upper

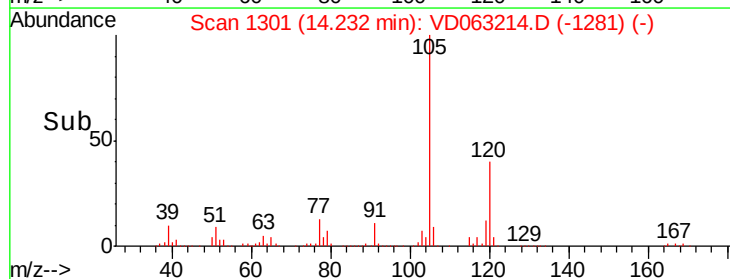
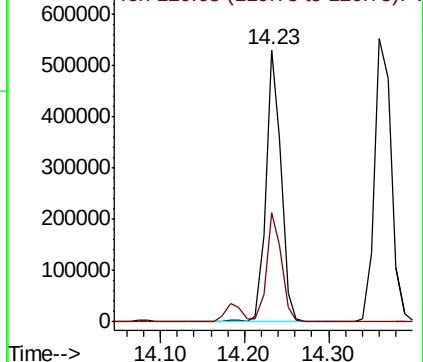
105 100

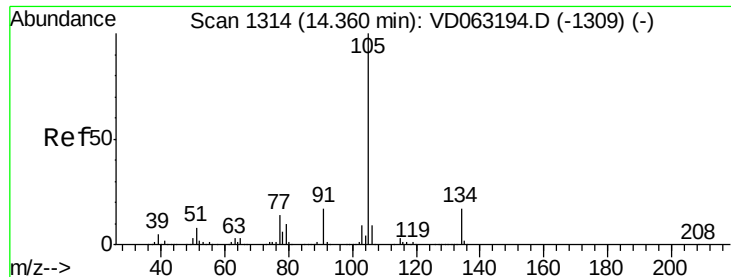
120 40.4 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

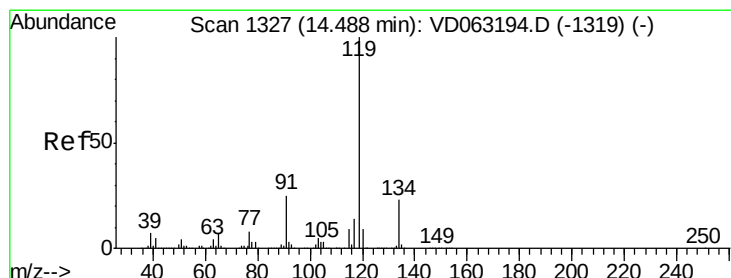
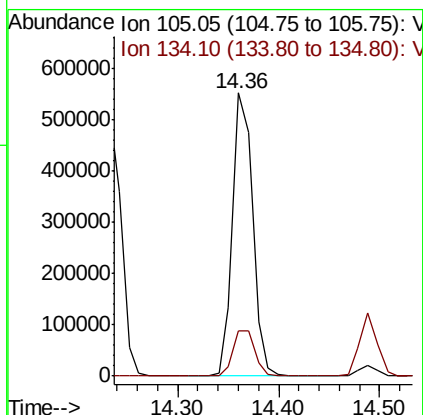
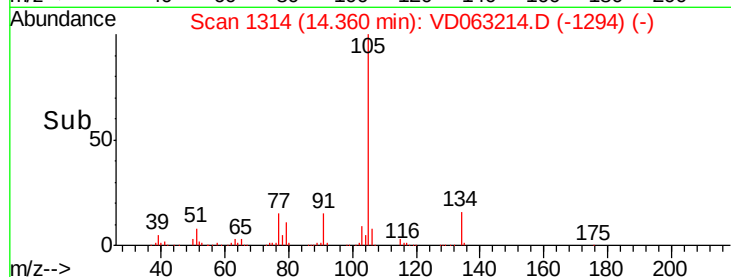
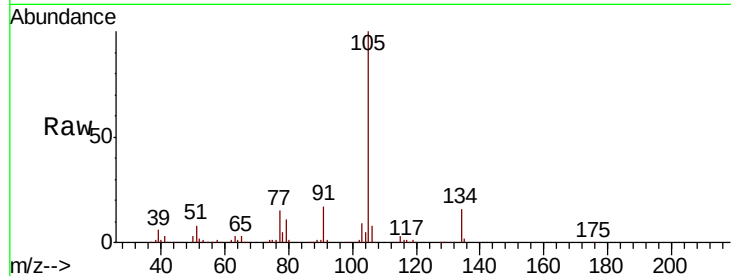




#85
 sec-Butylbenzene
 Concen: 19.561 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

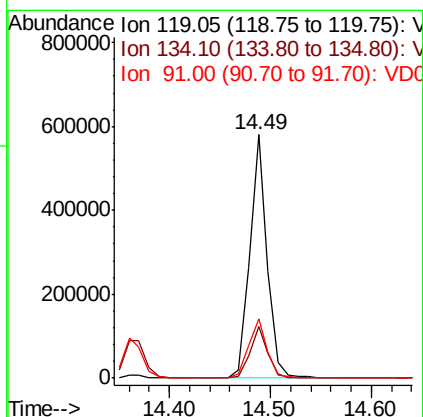
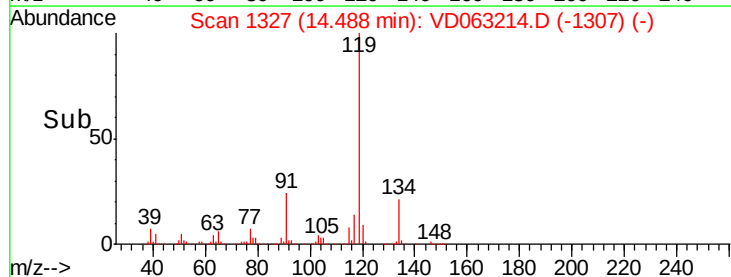
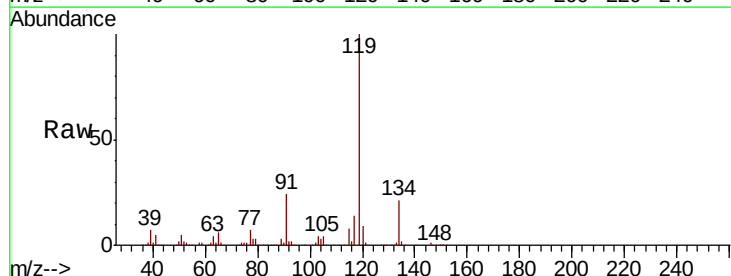
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

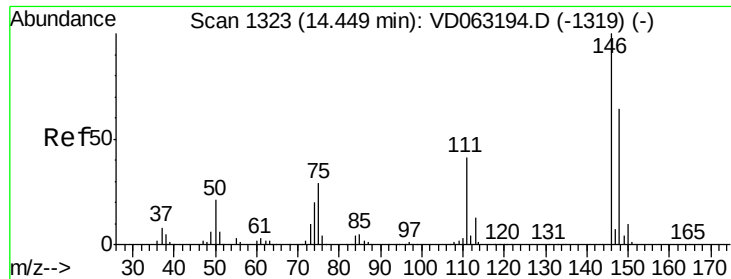
Tot Ion:105 Resp: 766402
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.3 24.9



#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

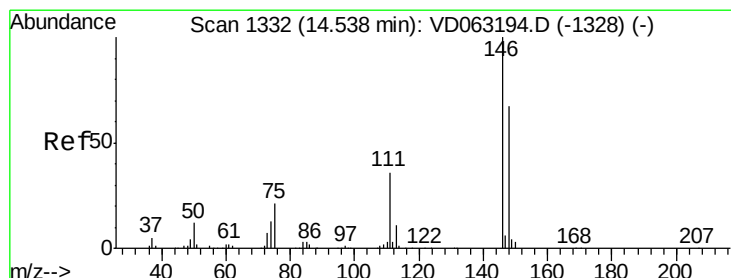
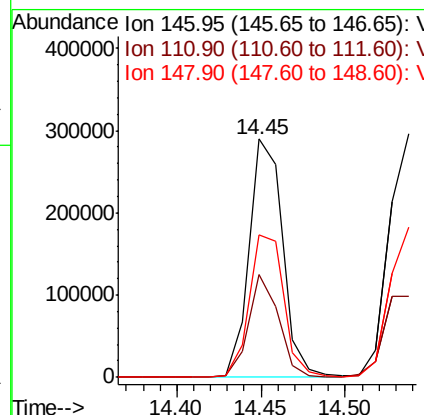
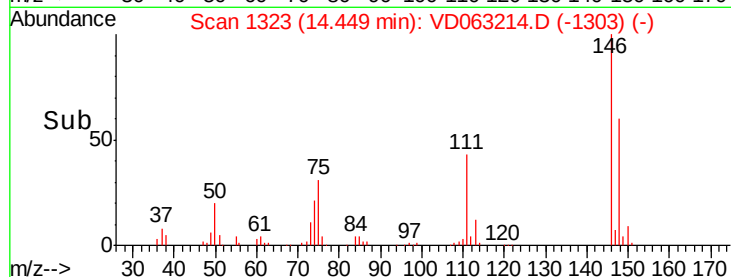
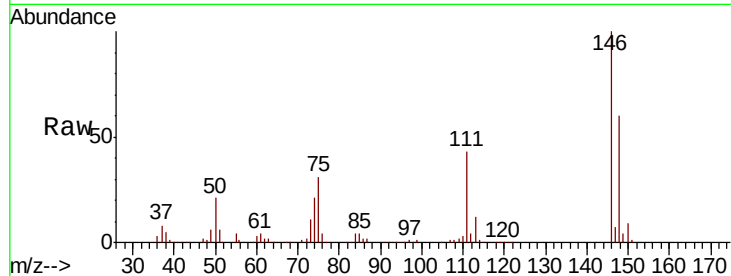




#87
 1,3-Dichlorobenzene
 Concen: 21.022 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

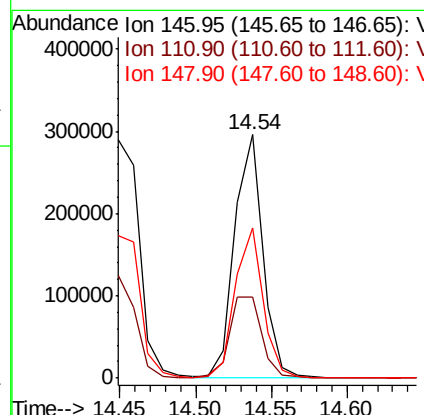
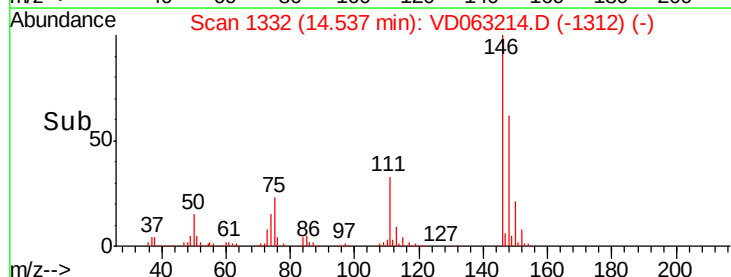
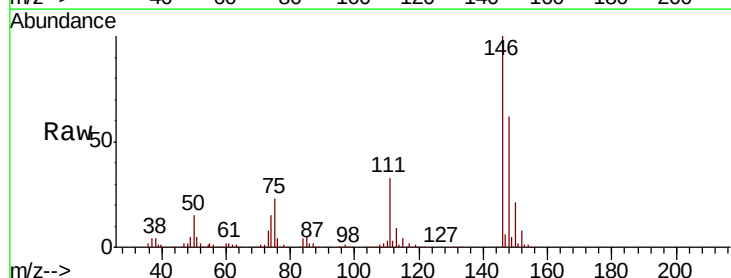
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

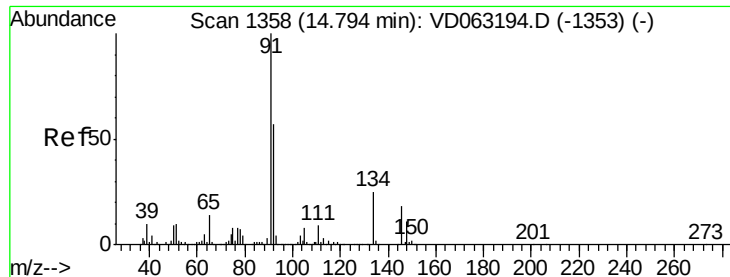
Tot Ion:146 Resp: 400460
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.4 61.3
 148 59.9 31.8 95.4



#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:146 Resp: 382690
 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

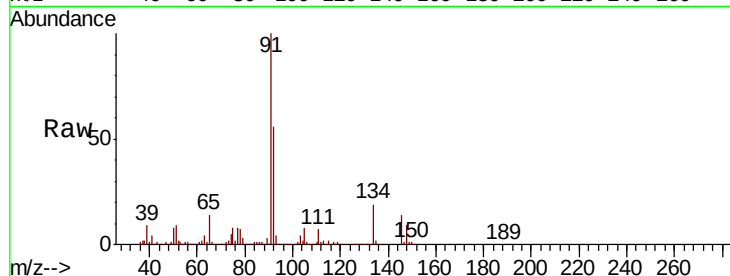
Tot Ion: 91 Resp: 667968

Ion	Ratio	Lower	Upper
91	100		
92	55.5	28.3	85.0
134	19.3	12.3	36.8

91 100

92 55.5 28.3 85.0

134 19.3 12.3 36.8

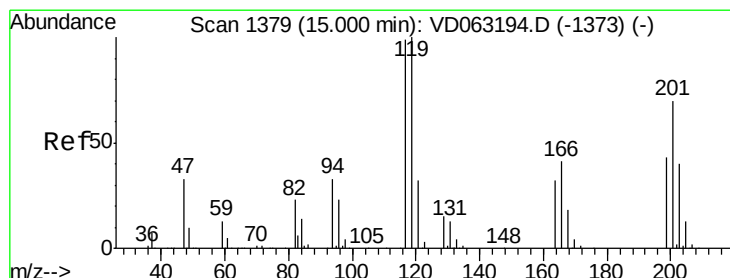
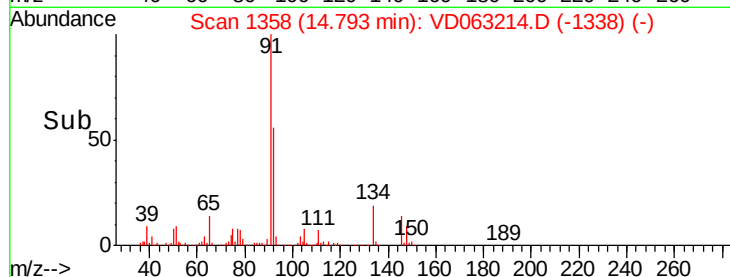
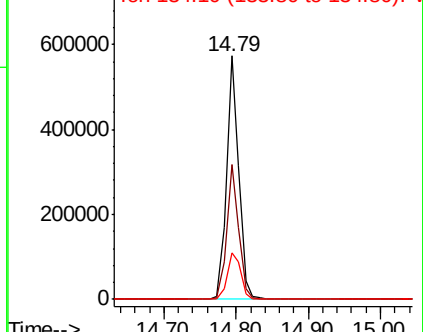


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.257 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063214.D

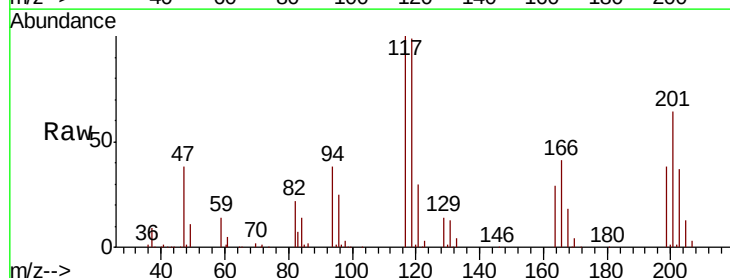
Acq: 29 Jul 2019 23:56

Tgt Ion: 117 Resp: 197359

Ion	Ratio	Lower	Upper
117	100		
201	63.7	35.2	105.6

117 100

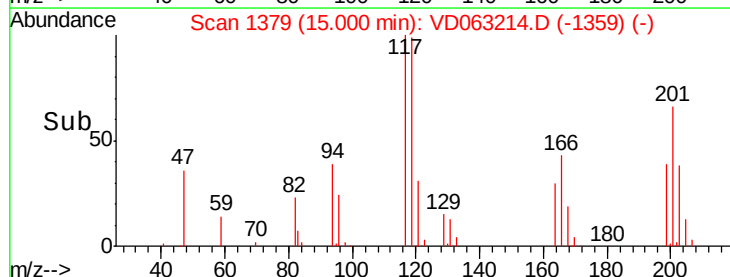
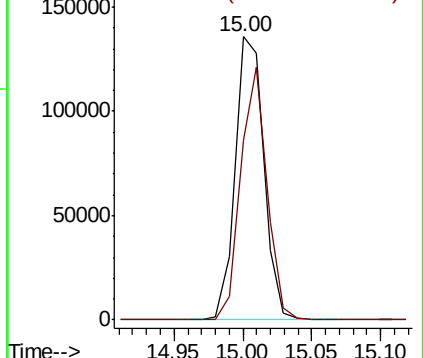
201 63.7 35.2 105.6

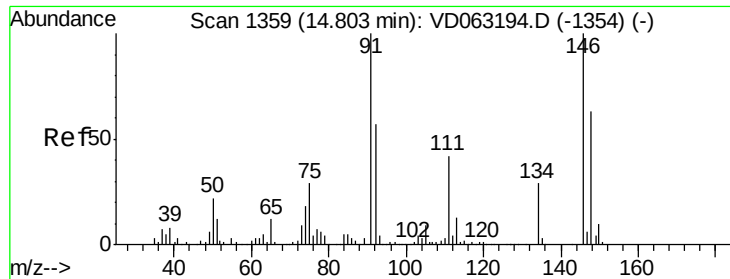


Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

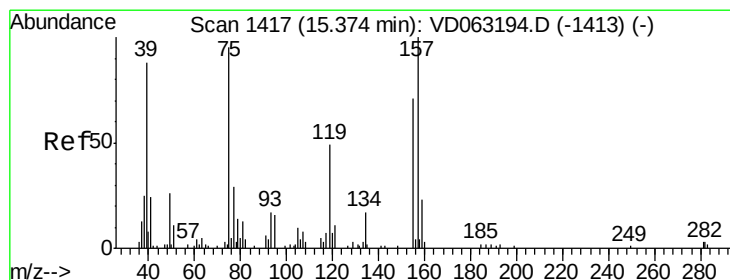
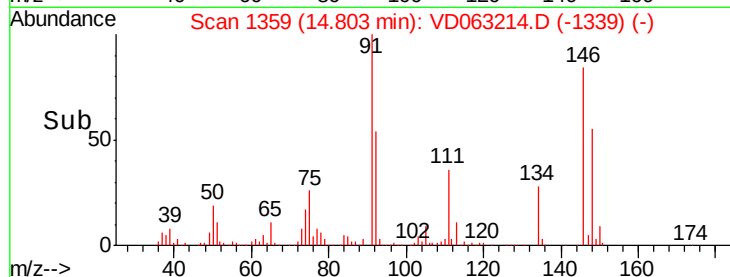
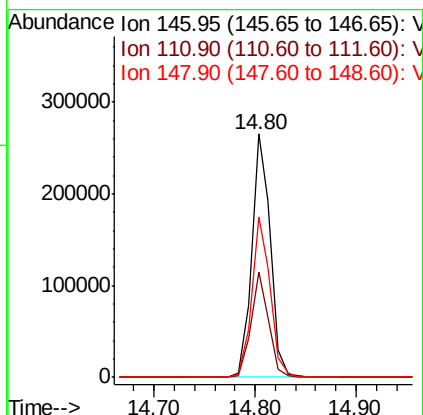
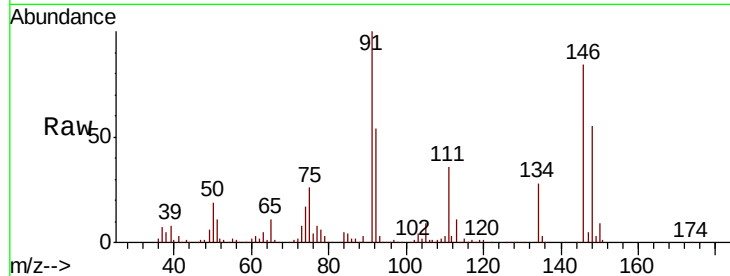




#91
1,2-Dichlorobenzene
Concen: 20.702 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD063214.D
Acq: 29 Jul 2019 23:56

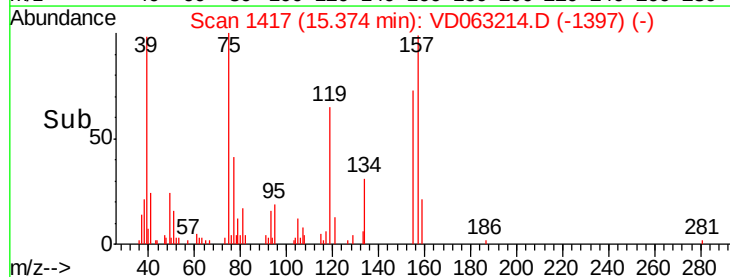
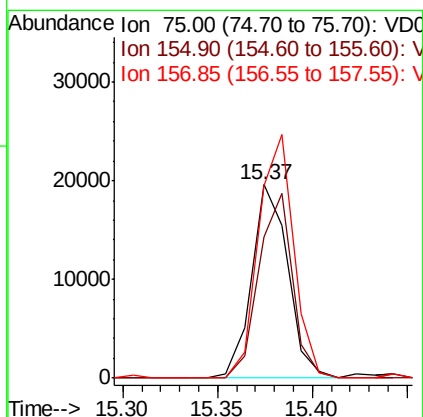
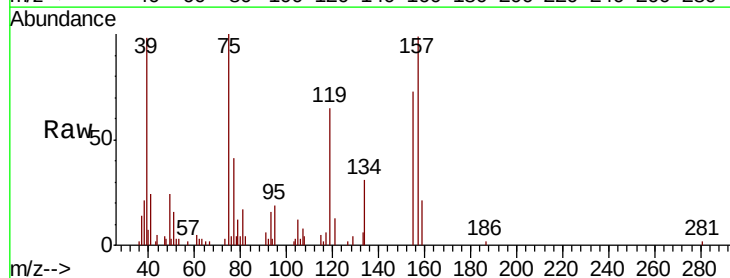
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

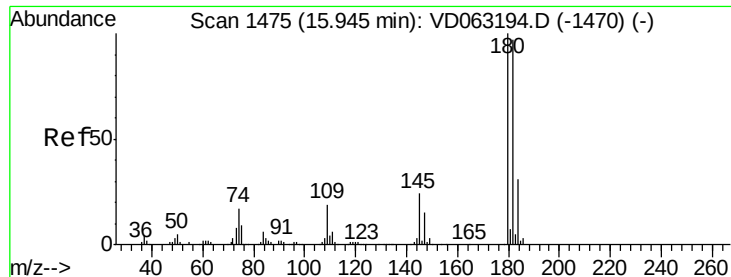
Tot Ion:146 Resp: 343603
Ion Ratio Lower Upper
146 100
111 43.3 21.1 63.3
148 65.8 31.6 94.8



#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

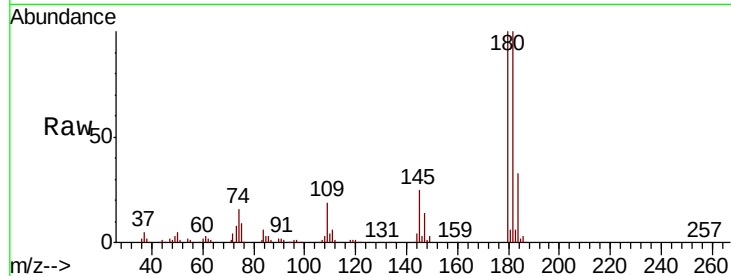




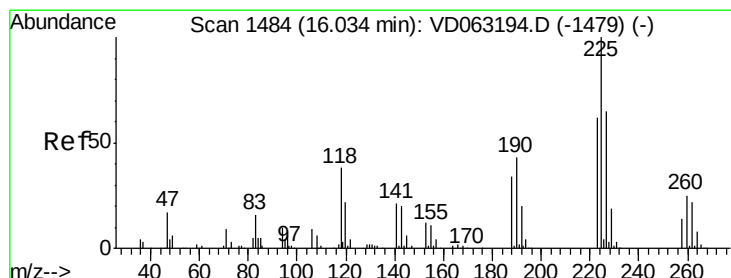
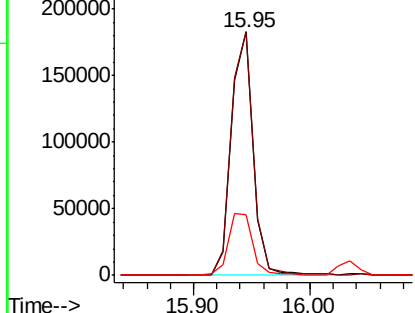
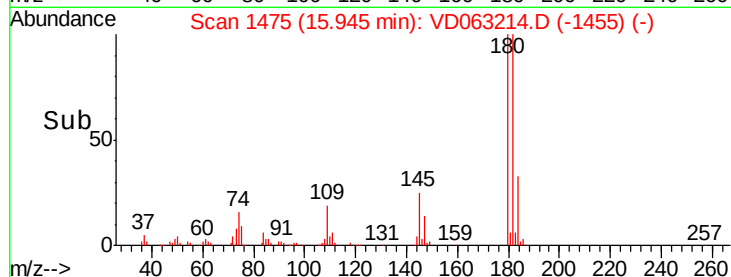
#93
 1,2,4-Trichlorobenzene
 Concen: 18.028 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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

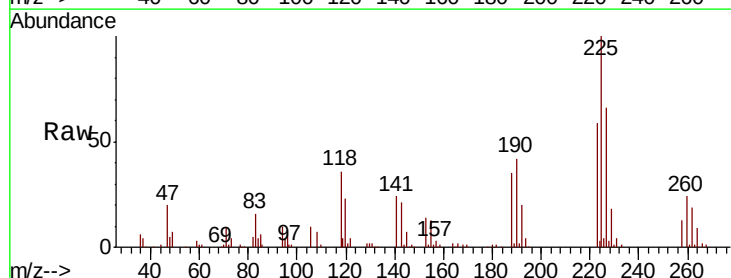


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

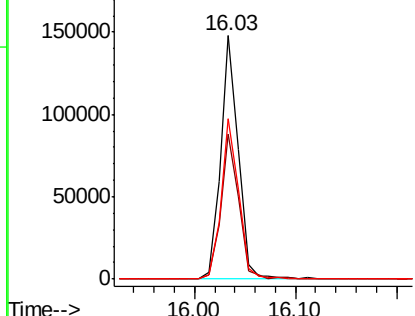
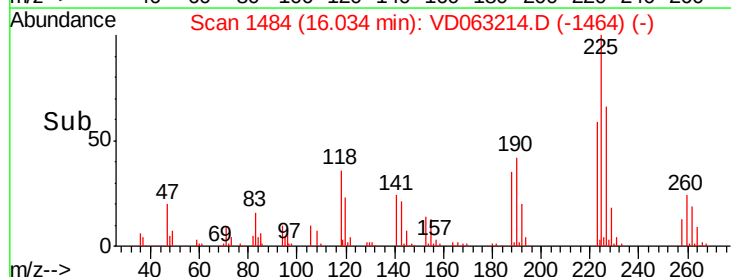


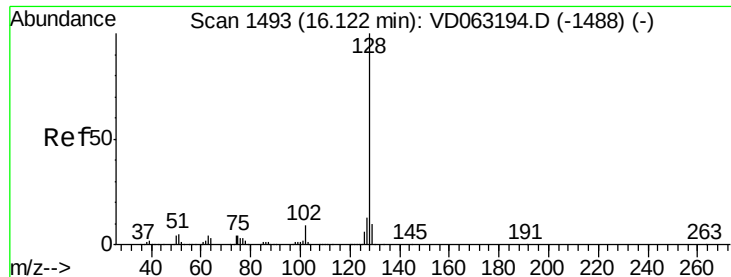
#94
 Hexachlorobutadiene
 Concen: 18.929 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063214.D
 Acq: 29 Jul 2019 23:56

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



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





#95

Naphthalene

Concen: 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

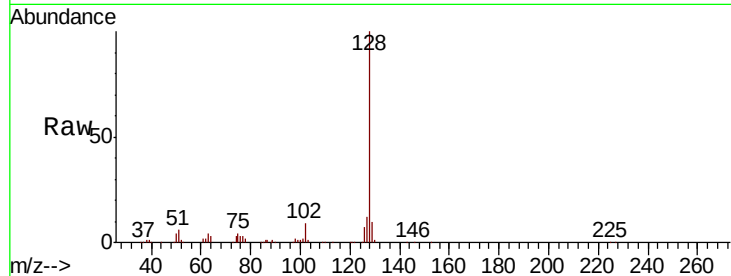
Tot Ion:128 Resp: 392736

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

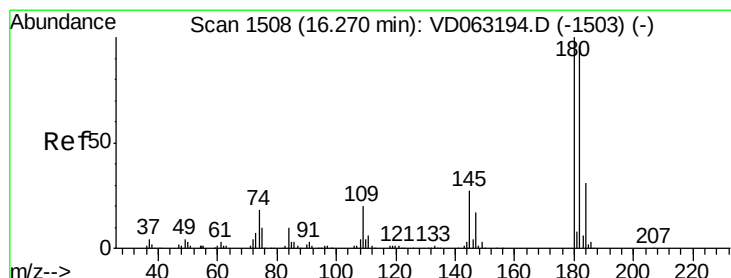
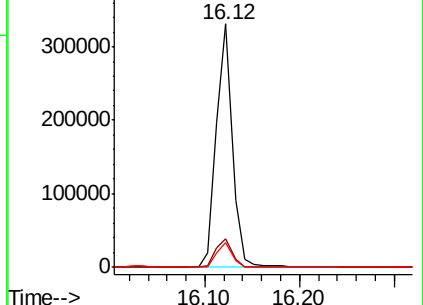
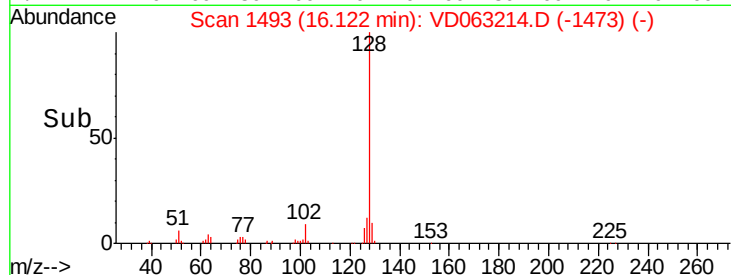
129 10.2 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

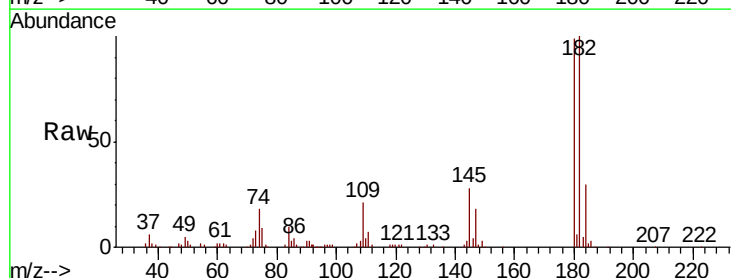
Tgt Ion:180 Resp: 204876

Ion Ratio Lower Upper

180 100

182 100.8 48.3 144.9

145 28.5 13.6 40.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

