

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\
 Data File : VD063629.D
 Acq On : 16 Aug 2019 11:17
 Operator : JC/SY
 Sample : VD0816SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 05:59:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1095815	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1435194	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1275489	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	636745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	576264	49.20	ug/l	-0.03
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	6.91	113	654550	54.15	ug/l	-0.03
Spiked Amount			Recovery	=	108.30%	
50) Toluene-d8	10.40	98	1515961	57.05	ug/l	-0.02
Spiked Amount			Recovery	=	114.10%	
62) 4-Bromofluorobenzene	13.55	95	607898	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	273086	20.599	ug/l	96
3) Chloromethane	1.74	50	215900	20.844	ug/l	94
4) Vinyl Chloride	1.84	62	214878	20.897	ug/l	95
5) Bromomethane	2.14	94	86983	17.928	ug/l #	97
6) Chloroethane	2.24	64	91722	19.506	ug/l	94
7) Trichlorofluoromethane	2.52	101	452211	22.421	ug/l	97
8) Diethyl Ether	2.86	74	65924	23.150	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	249355	20.937	ug/l #	86
10) Methyl Iodide	3.29	142	327809	19.453	ug/l #	97
11) Tert butyl alcohol	4.08	59	60076	117.817	ug/l	97
12) 1,1-Dichloroethene	3.11	96	185781	20.981	ug/l	87
13) Acrolein	3.02	56	37914	75.539	ug/l	92
14) Allyl chloride	3.60	41	290859	21.851	ug/l	98
15) Acrylonitrile	4.19	53	148777	110.154	ug/l	92
16) Acetone	3.22	43	244372	102.630	ug/l	94
17) Carbon Disulfide	3.35	76	602967	21.577	ug/l	99
18) Methyl Acetate	3.63	43	97262	21.565	ug/l #	82
19) Methyl tert-butyl Ether	4.23	73	409429	23.121	ug/l	96
20) Methylene Chloride	3.80	84	206678	20.073	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	219709	23.579	ug/l	95
22) Diisopropyl ether	5.11	45	584159	21.267	ug/l	97
23) Vinyl Acetate	5.04	43	1748555	109.500	ug/l	100
24) 1,1-Dichloroethane	4.97	63	363277	21.324	ug/l	98
25) 2-Butanone	6.06	43	248303	105.586	ug/l	95
26) 2,2-Dichloropropane	6.01	77	372156	21.932	ug/l	89
27) cis-1,2-Dichloroethene	6.02	96	221410	21.718	ug/l	95
28) Bromochloromethane	6.43	49	147109	21.306	ug/l	93
29) Tetrahydrofuran	6.46	42	118600	108.230	ug/l	94
30) Chloroform	6.65	83	447874	21.150	ug/l	100
31) Cyclohexane	6.95	56	212741	20.115	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	433475	21.399	ug/l	99
36) 1,1-Dichloropropene	7.13	75	280136	22.080	ug/l	97
37) Ethyl Acetate	6.17	43	119314	22.443	ug/l #	94
38) Carbon Tetrachloride	7.10	117	445794	23.314	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	245040	22.713	ug/l	99
40) Benzene	7.44	78	641517	22.976	ug/l	96
41) Methacrylonitrile	6.44	41	153759	22.970	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	323103	23.014	ug/l	99
43) Isopropyl Acetate	9.23	43	161166	22.634	ug/l #	99
44) Trichloroethene	8.53	130	252610	23.671	ug/l	93
45) 1,2-Dichloropropane	8.93	63	152937	23.521	ug/l	94
46) Dibromomethane	9.05	93	126277	22.742	ug/l #	84
47) Bromodichloromethane	9.37	83	318878	22.388	ug/l	93
48) Methyl methacrylate	9.11	41	105109	21.767	ug/l	90
49) 1,4-Dioxane	9.07	88	17892	429.397	ug/l	92
51) 4-Methyl-2-Pentanone	10.29	43	551767	113.246	ug/l	95
52) Toluene	10.50	92	445512	24.773	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	275667	23.716	ug/l	91
54) cis-1,3-Dichloropropene	10.03	75	301246	22.984	ug/l	91
55) 1,1,2-Trichloroethane	11.18	97	140136	23.069	ug/l #	94
56) Ethyl methacrylate	11.03	69	157908	23.949	ug/l	96
57) 1,3-Dichloropropane	11.40	76	215577	23.477	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	386865	111.138	ug/l	96
59) 2-Hexanone	11.53	43	425873	120.126	ug/l	99
60) Dibromochloromethane	11.68	129	259752	23.499	ug/l	96
61) 1,2-Dibromoethane	11.80	107	168054	22.852	ug/l	93
64) Tetrachloroethene	11.25	164	220037	22.347	ug/l	92
65) Chlorobenzene	12.39	112	514896	21.539	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	243691	23.163	ug/l	91
67) Ethyl Benzene	12.52	91	934565	22.484	ug/l	99
68) m/p-Xylenes	12.66	106	650085	44.516	ug/l	95
69) o-Xylene	13.04	106	307930	21.908	ug/l	100
70) Styrene	13.07	104	526916	21.075	ug/l	96
71) Bromoform	13.23	173	164230	22.765	ug/l #	91
73) Isopropylbenzene	13.40	105	943918	23.306	ug/l	97
74) N-amyl acetate	13.26	43	218775	21.518	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	153637	22.855	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	180388	24.685	ug/l	94
77) Bromobenzene	13.66	156	251805	22.749	ug/l	95
78) n-propylbenzene	13.77	91	1125212	23.745	ug/l	96
79) 2-Chlorotoluene	13.84	91	671345	24.571	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	842021	23.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	40623	20.683	ug/l	99
82) 4-Chlorotoluene	13.94	91	765035	23.285	ug/l	97
83) tert-Butylbenzene	14.18	119	857625	23.015	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	761048	23.244	ug/l	94
85) sec-Butylbenzene	14.36	105	971432	24.548	ug/l	99
86) p-Isopropyltoluene	14.49	119	932237	24.638	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	463222	23.136	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	444936	23.163	ug/l	98
89) n-Butylbenzene	14.79	91	831327	24.073	ug/l	97
90) Hexachloroethane	15.00	117	219999	23.132	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	410236	24.150	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	28875	22.812	ug/l	81

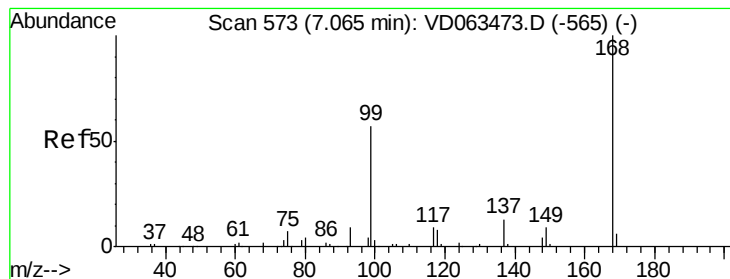
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	301518	24.123	ug/l	95
94) Hexachlorobutadiene	16.03	225	225870	23.710	ug/l	97
95) Naphthalene	16.12	128	417317	22.030	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	235271	23.304	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

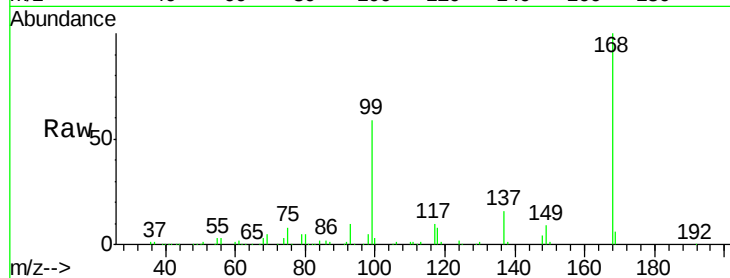
VD0816SBSD01

Tot Ion:168 Resp: 1095815

Ion Ratio Lower Upper

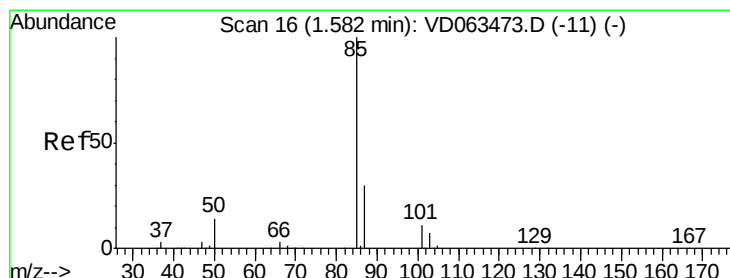
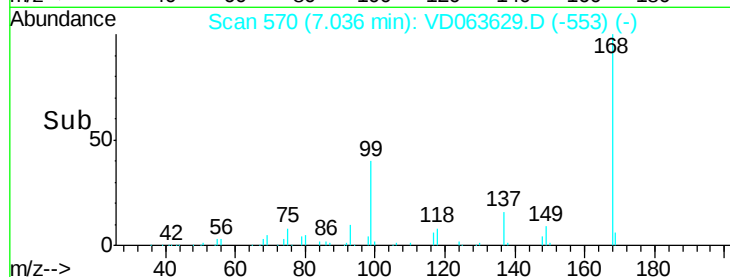
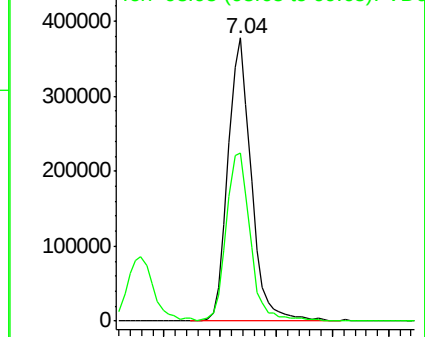
168 100

99 59.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.599 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063629.D

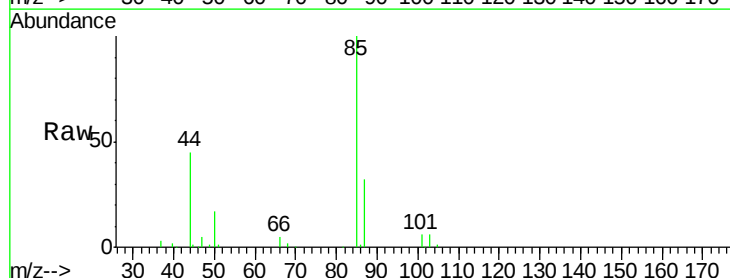
Acq: 16 Aug 2019 11:17

Tgt Ion: 85 Resp: 273086

Ion Ratio Lower Upper

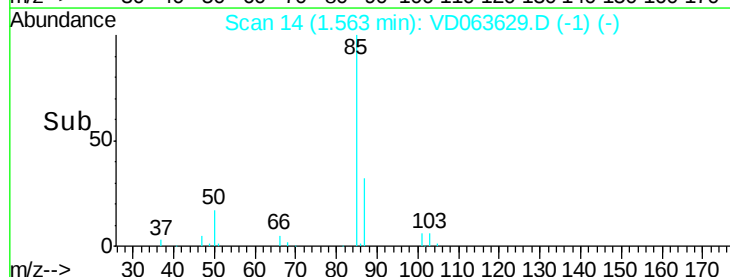
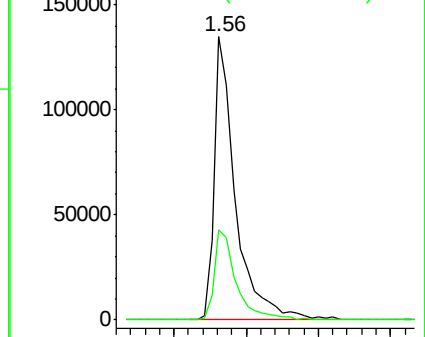
85 100

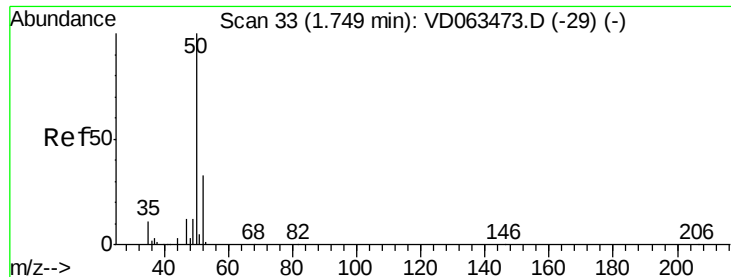
87 32.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.844 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

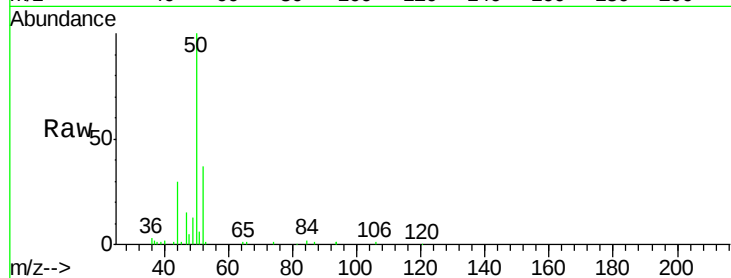
VD0816SBSD01

Tot Ion: 50 Resp: 215900

Ion Ratio Lower Upper

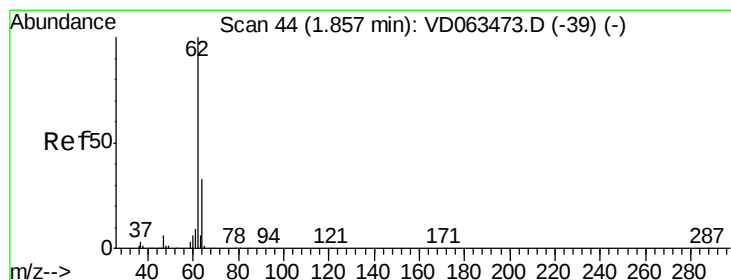
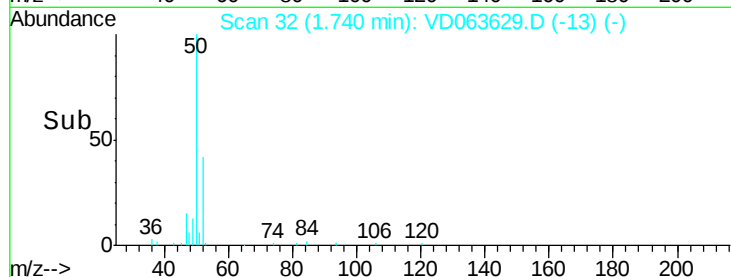
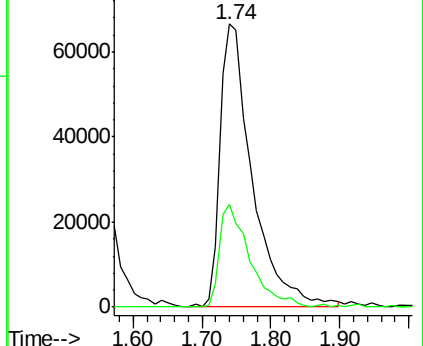
50 100

52 36.5 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.897 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063629.D

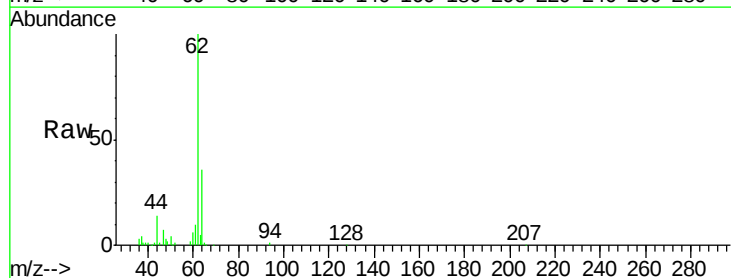
Acq: 16 Aug 2019 11:17

Tgt Ion: 62 Resp: 214878

Ion Ratio Lower Upper

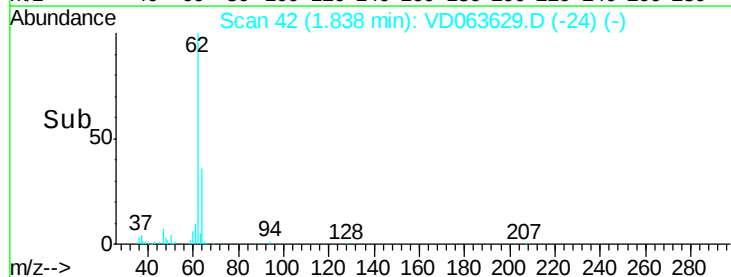
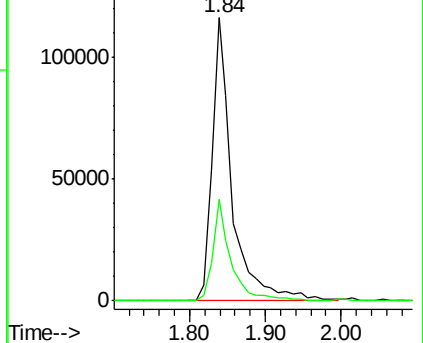
62 100

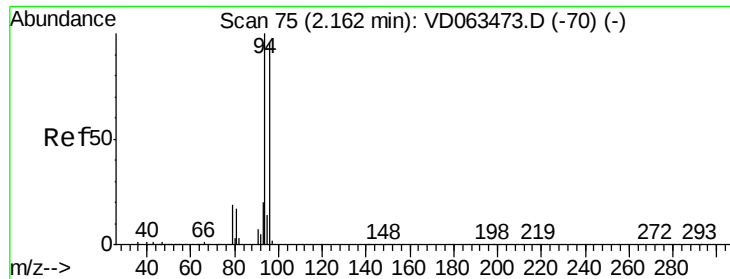
64 36.0 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.928 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

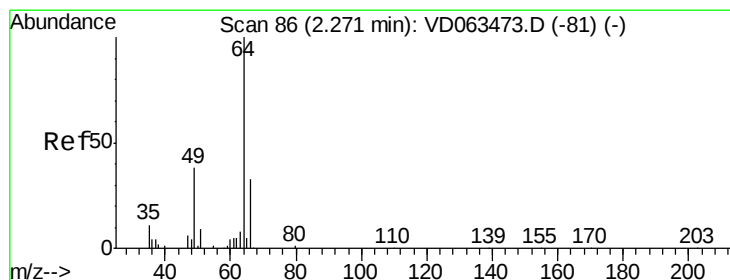
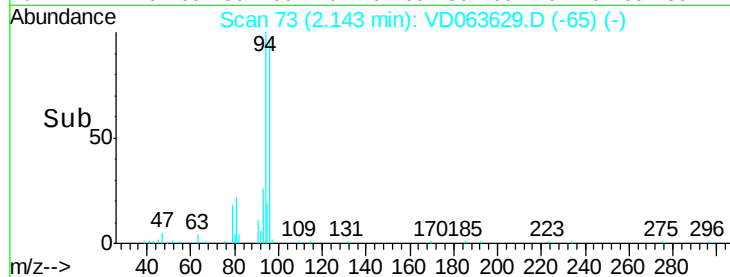
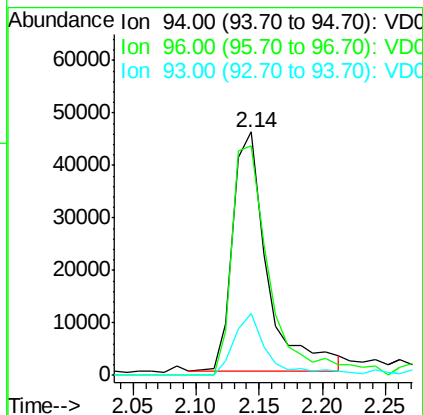
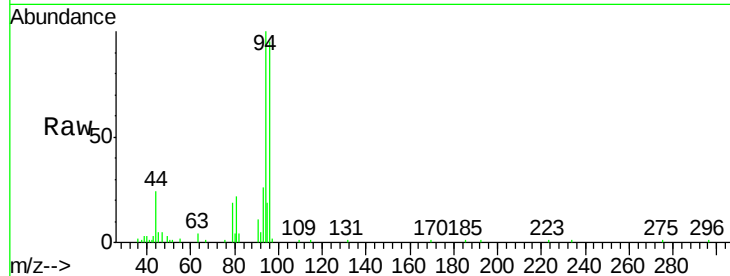
Tot Ion: 94 Resp: 86983

Ion Ratio Lower Upper

94 100

96 94.5 76.5 114.7

93 25.7 15.8 23.8#



#6

Chloroethane

Concen: 19.506 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063629.D

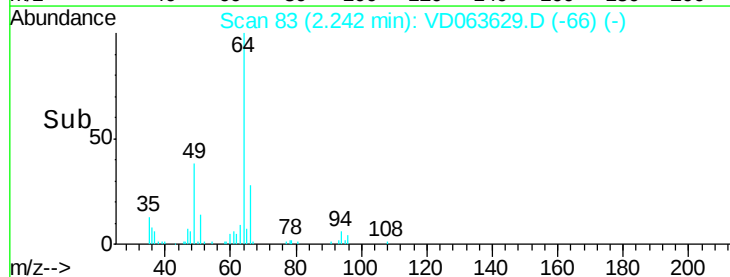
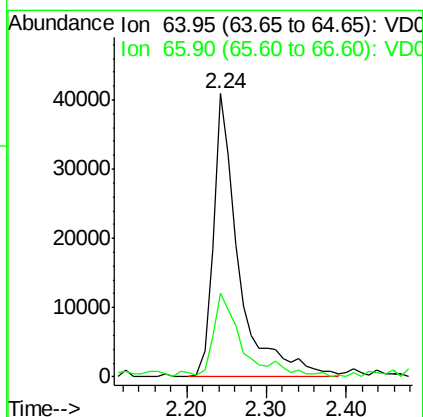
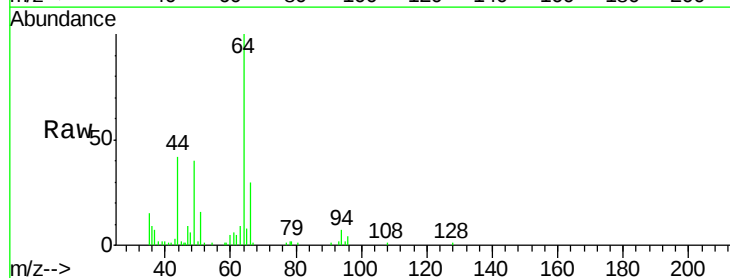
Acq: 16 Aug 2019 11:17

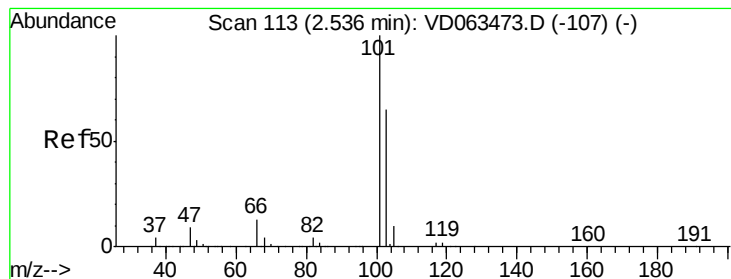
Tgt Ion: 64 Resp: 91722

Ion Ratio Lower Upper

64 100

66 29.7 26.3 39.5



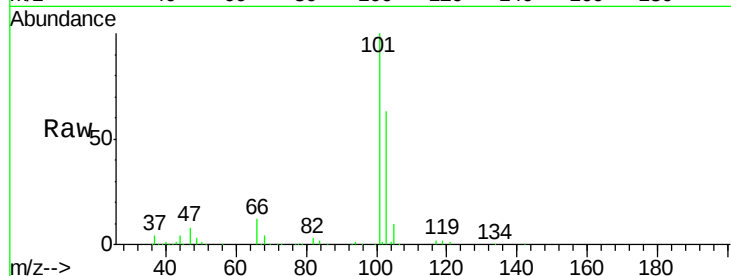


#7

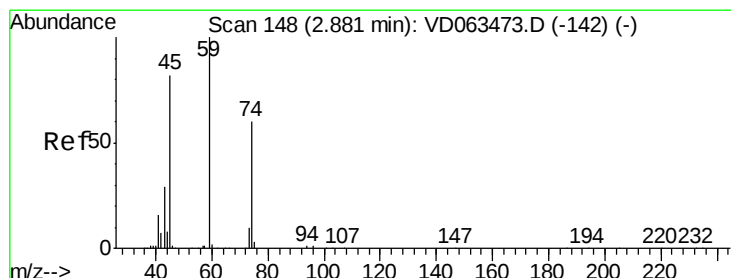
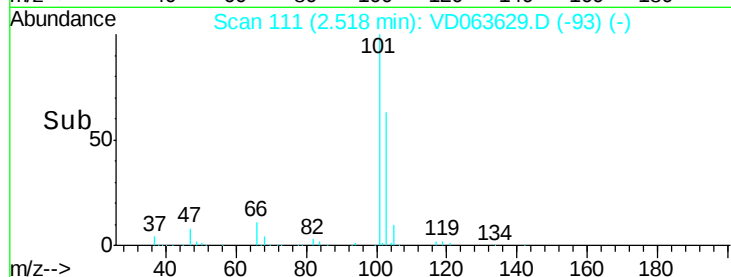
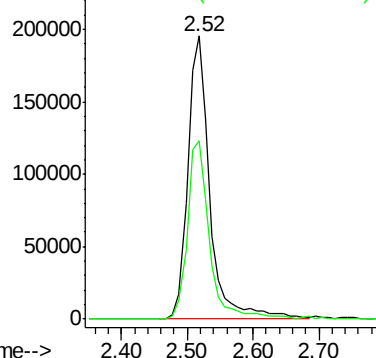
Trichlorofluoromethane
 Concen: 22.421 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tot Ion:101 Resp: 452211
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.2 78.4



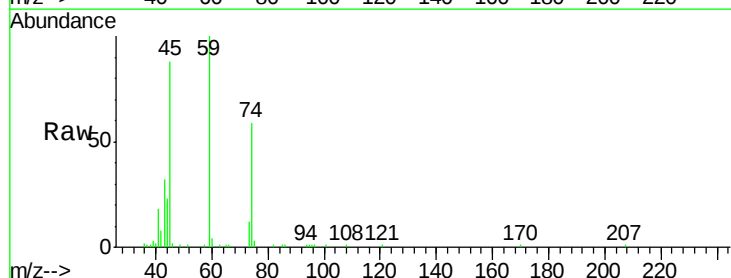
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



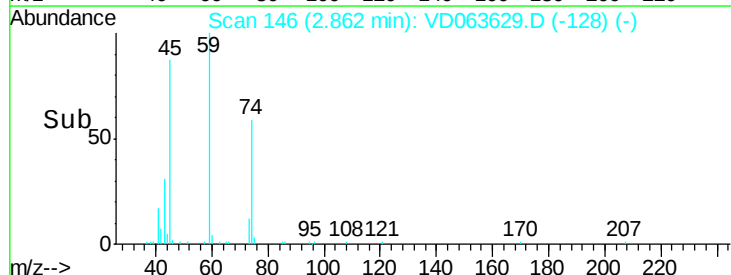
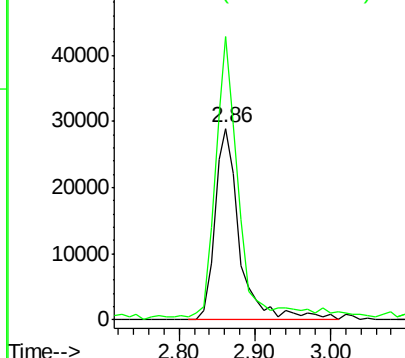
#8

Diethyl Ether
 Concen: 23.150 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion: 74 Resp: 65924
 Ion Ratio Lower Upper
 74 100
 45 147.7 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.937 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

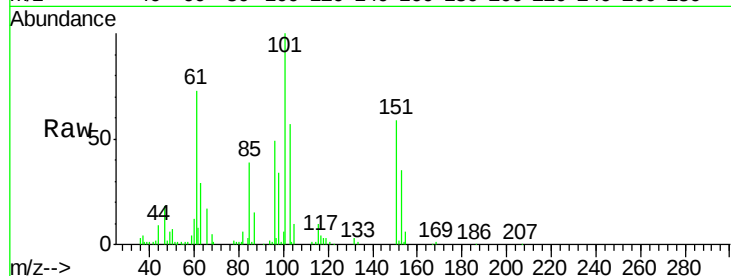
Tot Ion:101 Resp: 249355

Ion Ratio Lower Upper

101 100

85 39.4 35.8 53.6

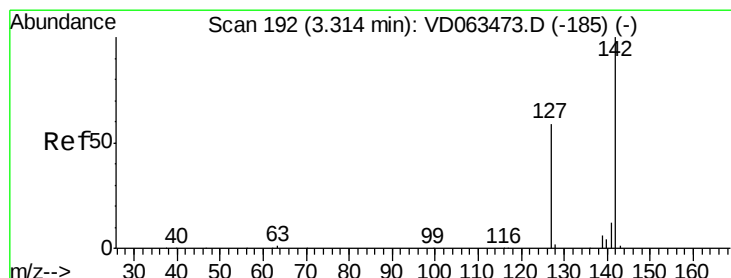
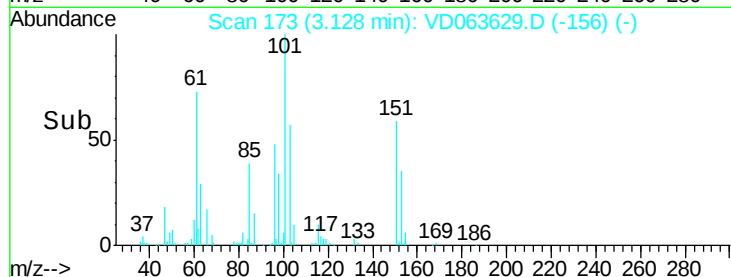
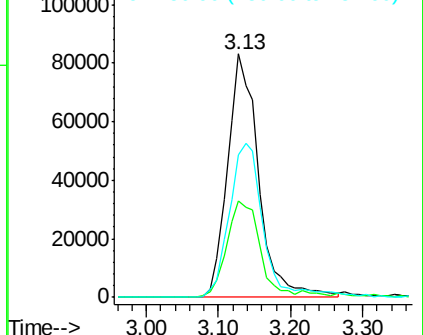
151 58.5 58.6 88.0#



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: 19.453 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

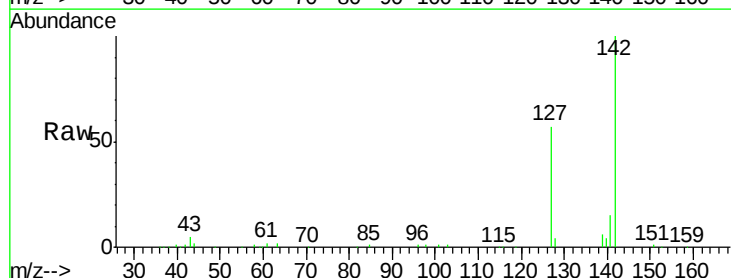
Tgt Ion:142 Resp: 327809

Ion Ratio Lower Upper

142 100

127 57.5 47.2 70.8

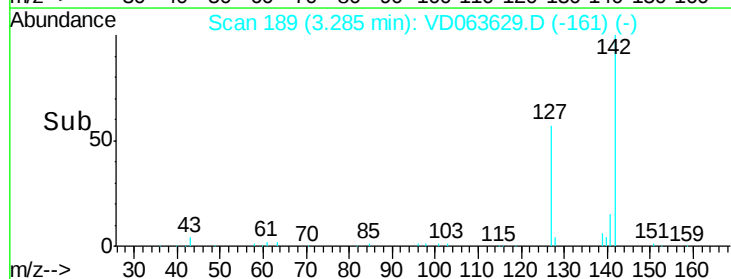
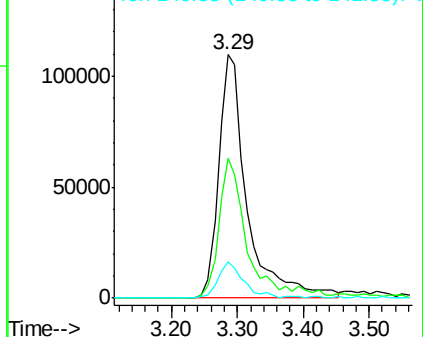
141 15.1 9.8 14.8#

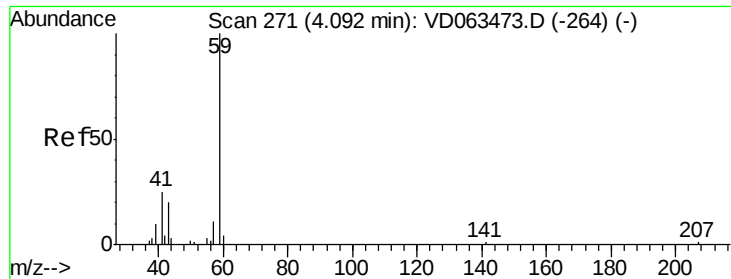


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



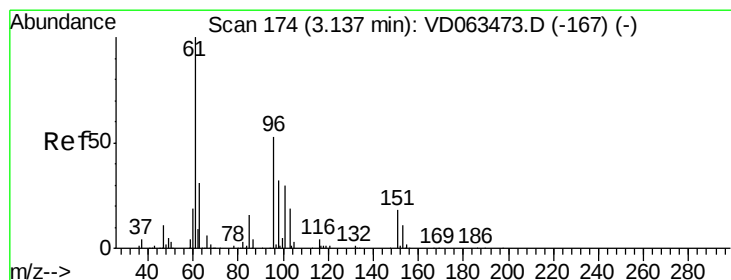
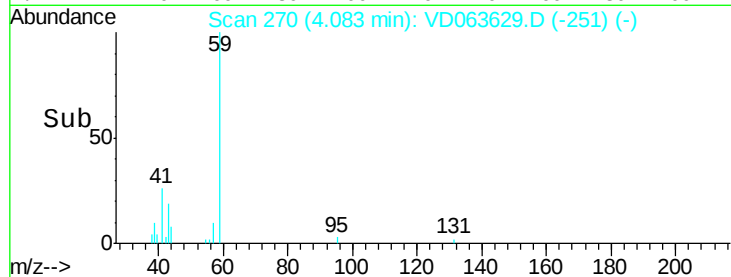
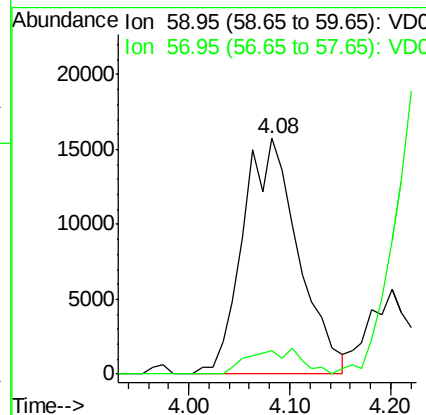
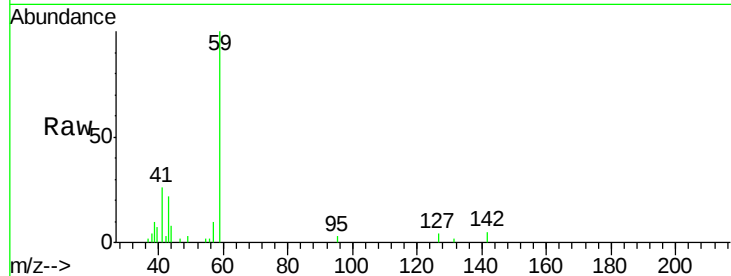


#11

Tert butyl alcohol
Concen: 117.817 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

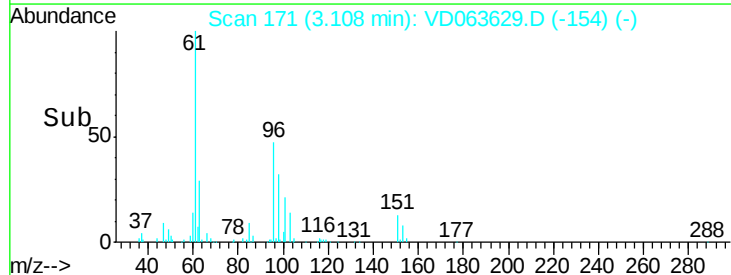
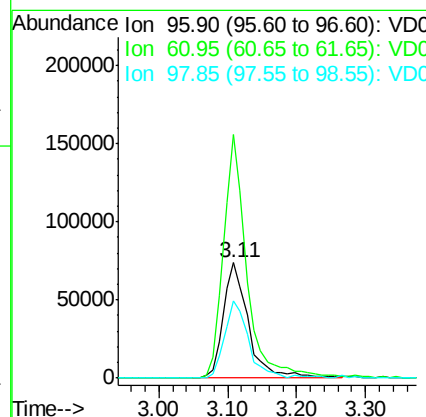
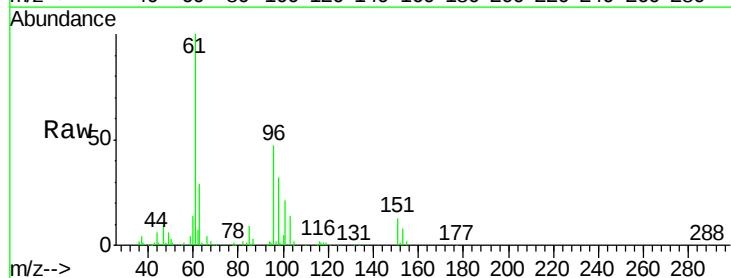
Tot Ion: 59 Resp: 60076
Ion Ratio Lower Upper
59 100
57 9.9 8.7 13.1

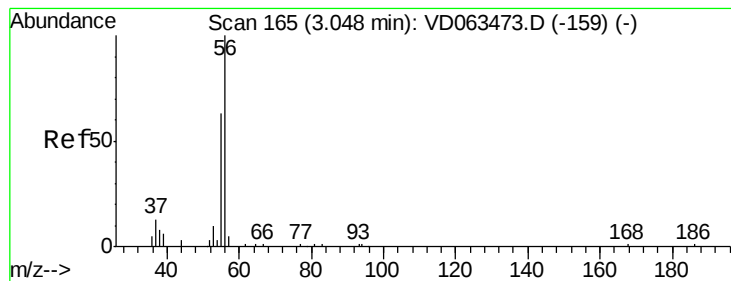


#12

1,1-Dichloroethene
Concen: 20.981 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 96 Resp: 185781
Ion Ratio Lower Upper
96 100
61 210.8 151.7 227.5
98 66.6 48.4 72.6





#13

Acrolein

Concen: 75.539 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

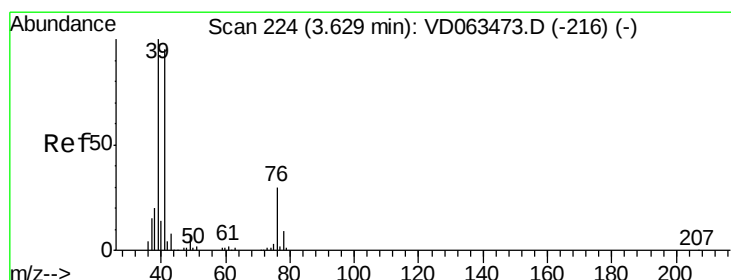
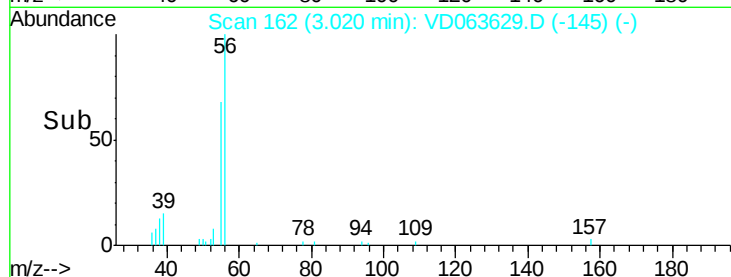
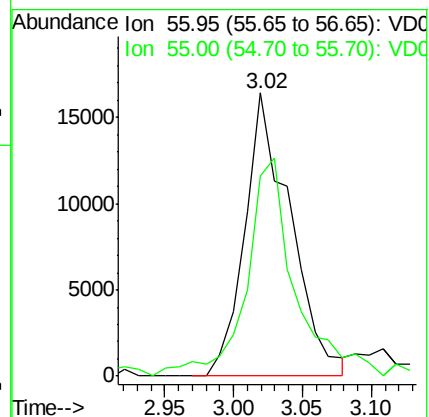
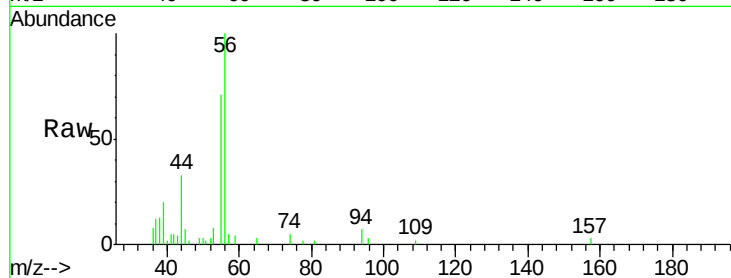
VD0816SBS01

Tot Ion: 56 Resp: 37914

Ion Ratio Lower Upper

56 100

55 70.6 51.3 76.9



#14

Allyl chloride

Concen: 21.851 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

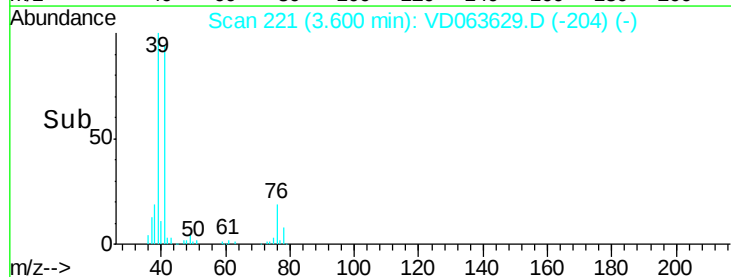
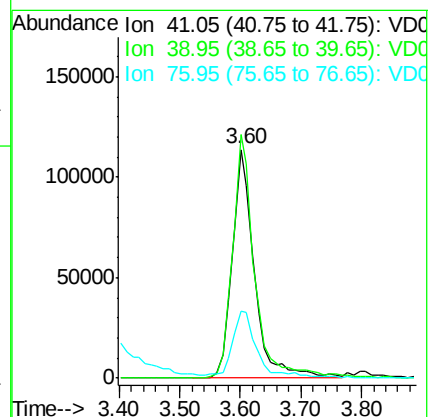
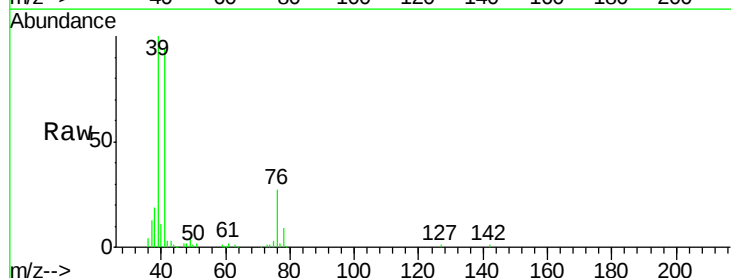
Tgt Ion: 41 Resp: 290859

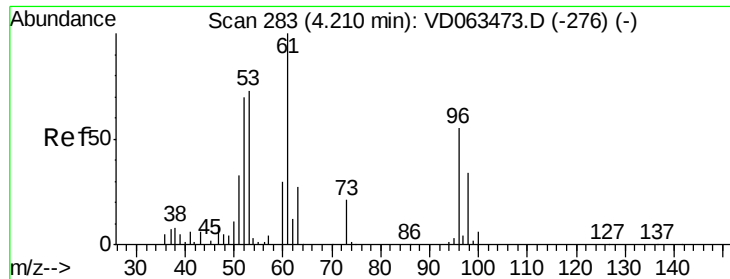
Ion Ratio Lower Upper

41 100

39 106.5 84.2 126.4

76 29.1 26.0 39.0





#15

Acrylonitrile

Concen: 110.154 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

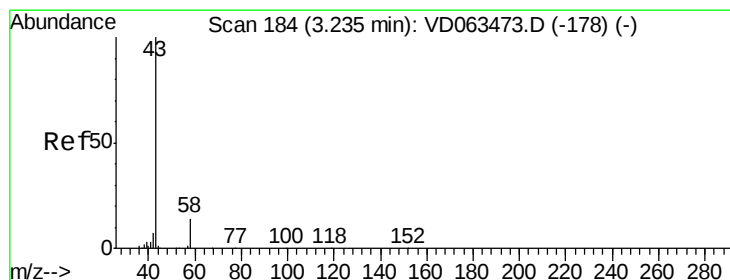
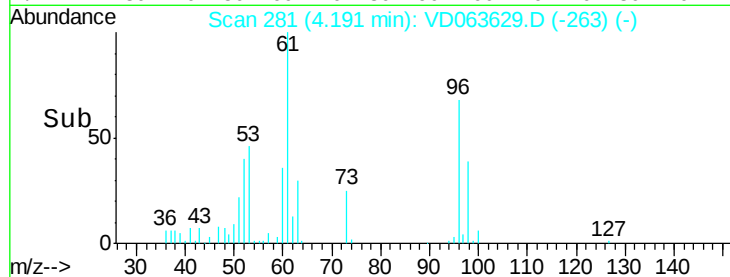
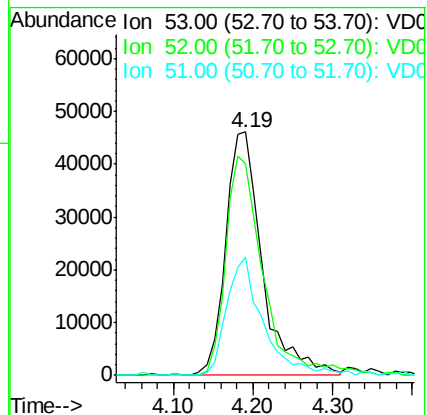
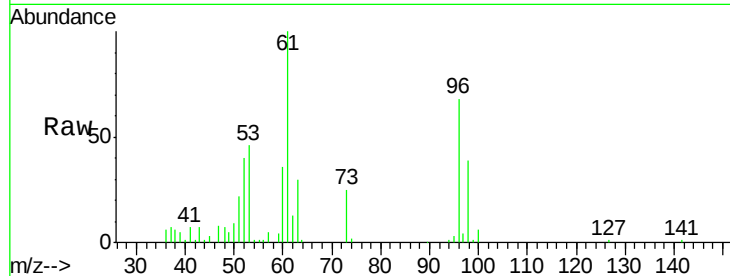
Tot Ion: 53 Resp: 148777

Ion Ratio Lower Upper

53 100

52 87.1 77.4 116.0

51 48.4 36.7 55.1



#16

Acetone

Concen: 102.630 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063629.D

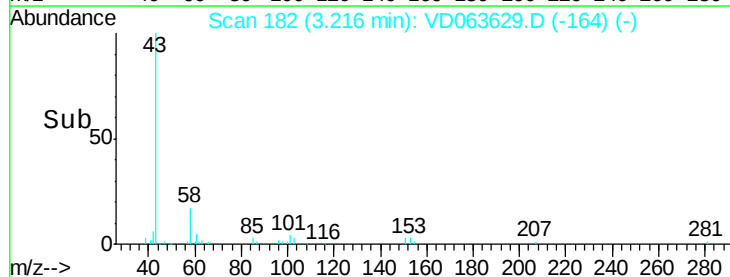
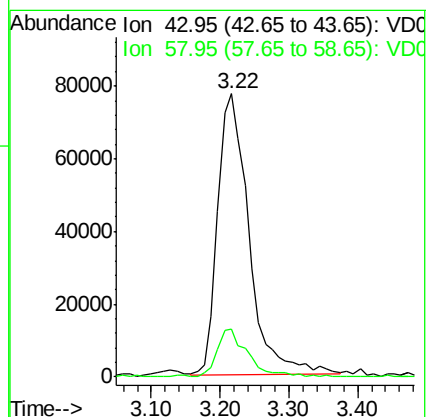
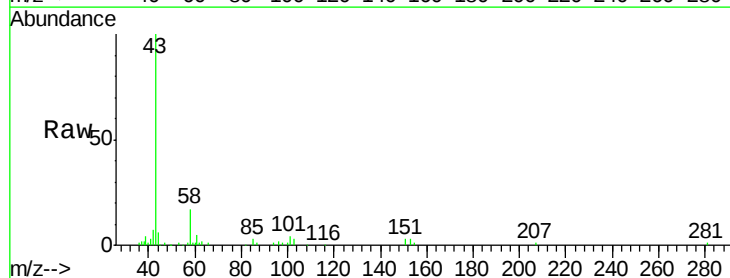
Acq: 16 Aug 2019 11:17

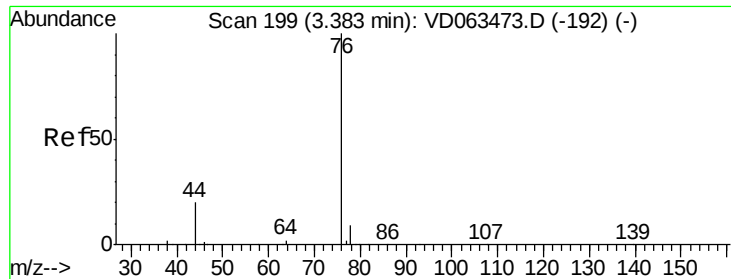
Tgt Ion: 43 Resp: 244372

Ion Ratio Lower Upper

43 100

58 16.8 11.4 17.2

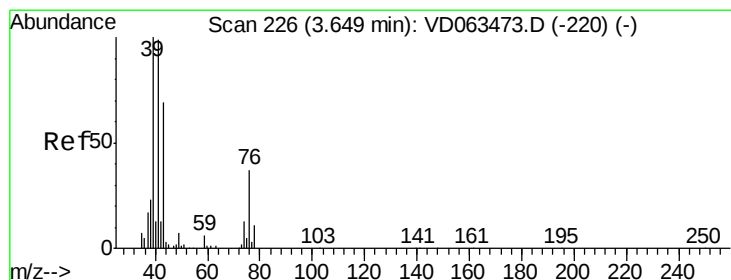
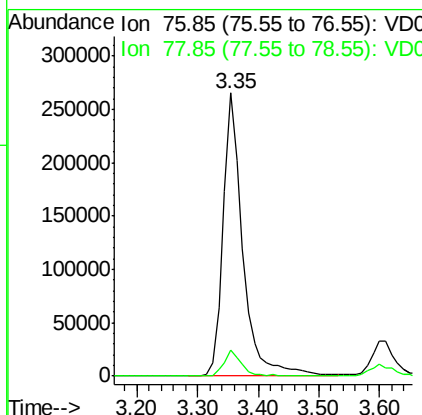
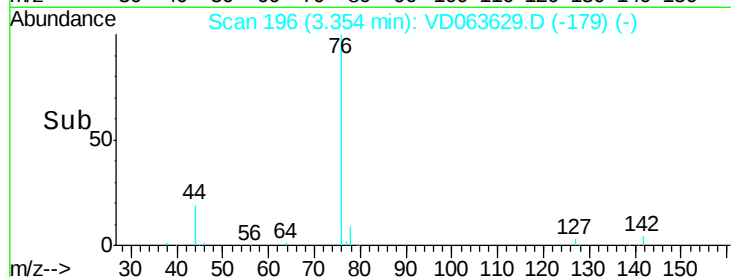
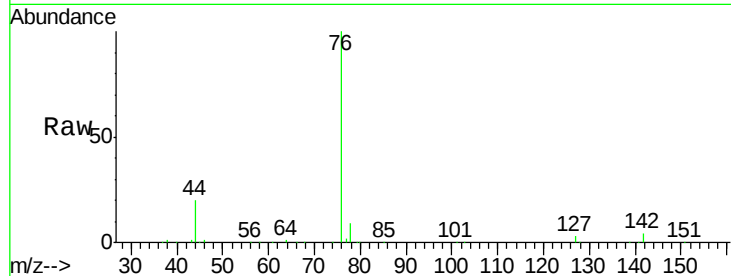




#17
Carbon Disulfide
Concen: 21.577 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

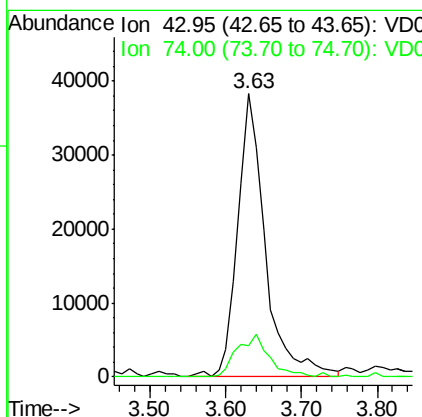
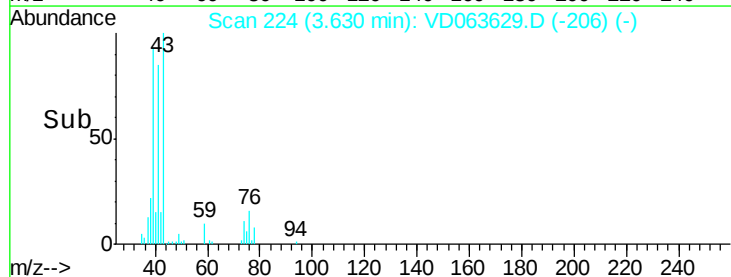
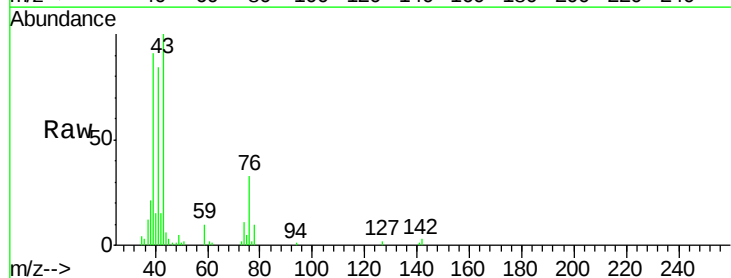
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

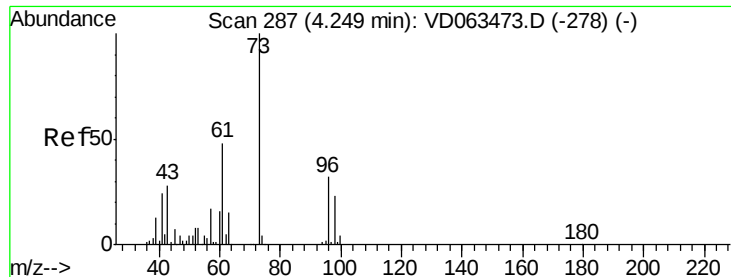
Tot Ion: 76 Resp: 602967
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 21.565 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 43 Resp: 97262
Ion Ratio Lower Upper
43 100
74 11.0 15.4 23.2#

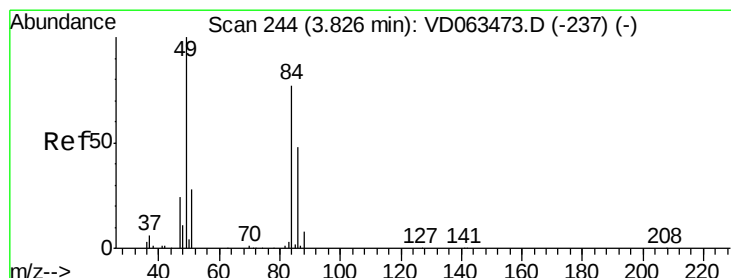
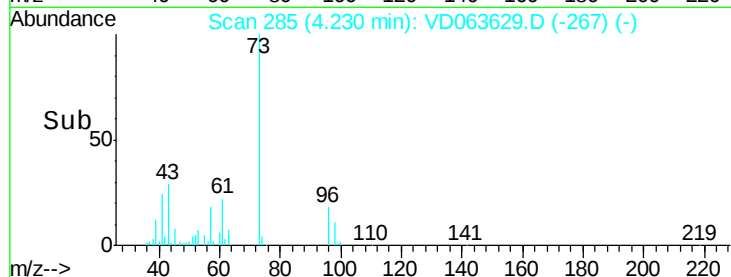
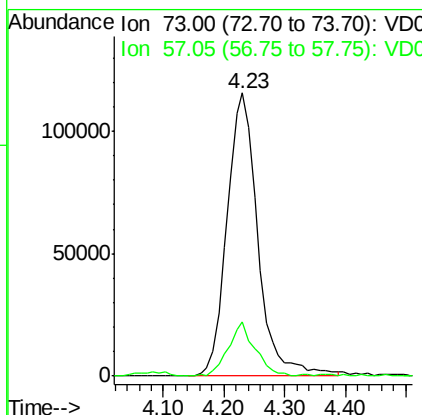
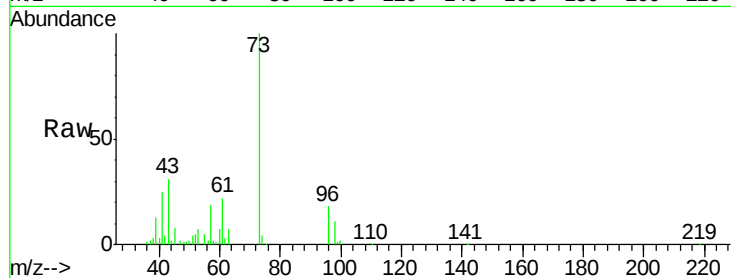




#19
Methvl tert-butvl Ether
Concen: 23.121 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

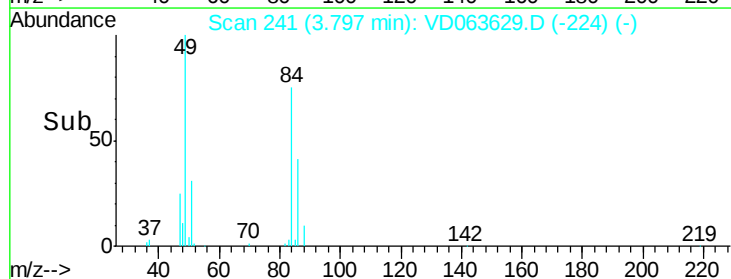
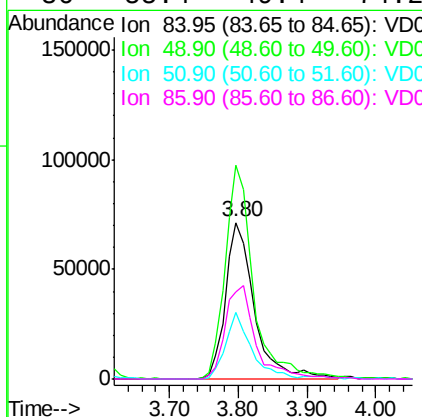
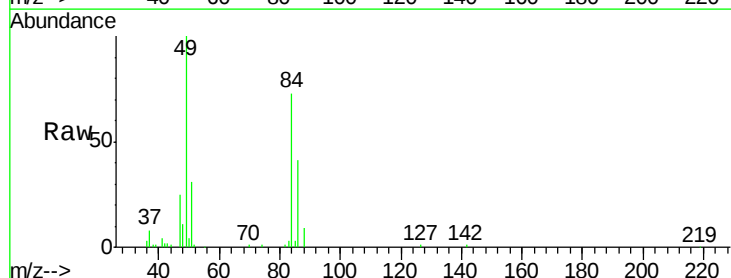
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

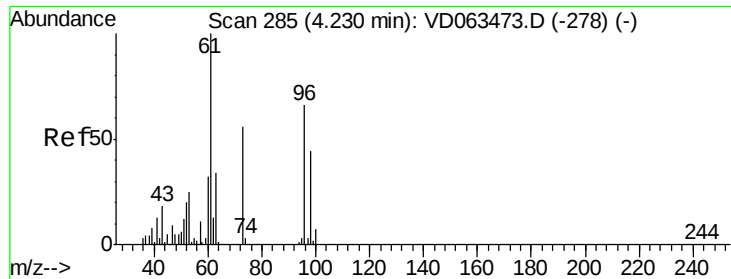
Tot Ion: 73 Resp: 409429
Ion Ratio Lower Upper
73 100
57 19.3 14.0 21.0



#20
Methylene Chloride
Concen: 20.073 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 84 Resp: 206678
Ion Ratio Lower Upper
84 100
49 136.5 103.4 155.2
51 42.5 28.5 42.7
86 55.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 23.579 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

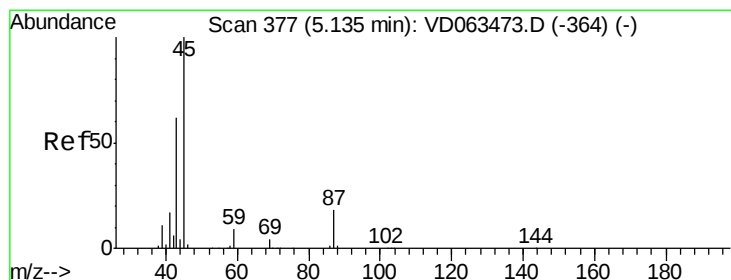
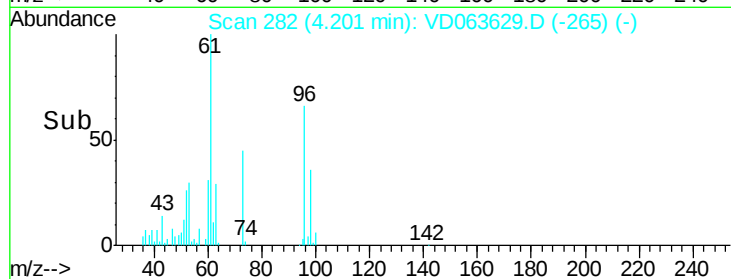
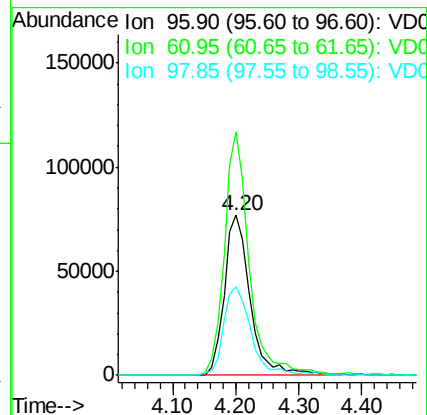
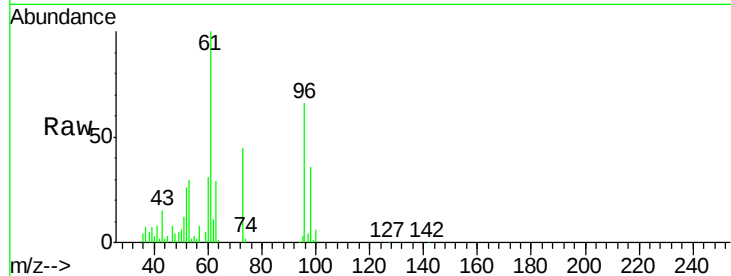
Tot Ion: 96 Resp: 219709

Ion Ratio Lower Upper

96 100

61 152.2 121.7 182.5

98 55.4 54.2 81.2



#22

Diisopropyl ether

Concen: 21.267 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Tgt Ion: 45 Resp: 584159

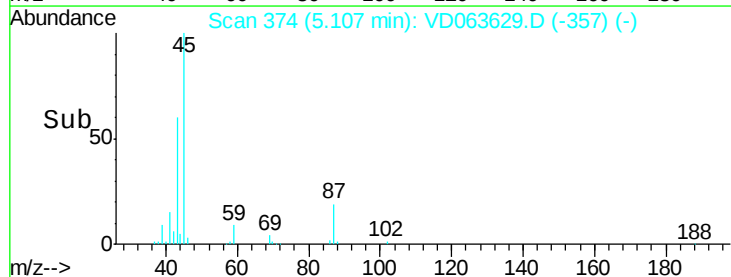
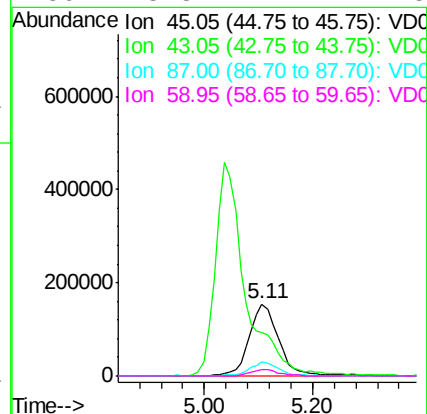
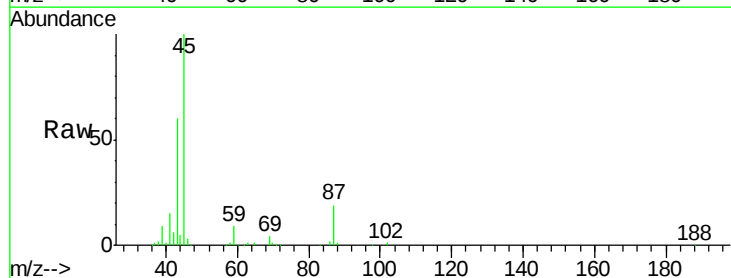
Ion Ratio Lower Upper

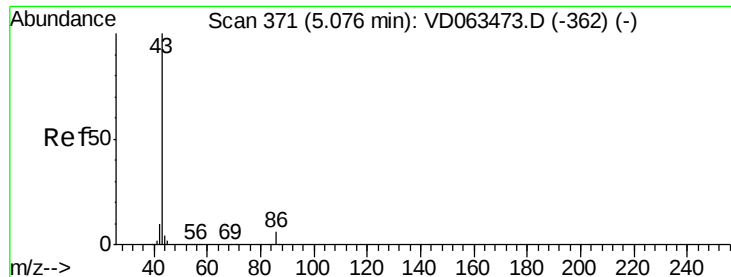
45 100

43 60.3 50.3 75.5

87 19.3 14.3 21.5

59 8.8 7.7 11.5





#23

Vinyl Acetate

Concen: 109.500 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.04 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleID :

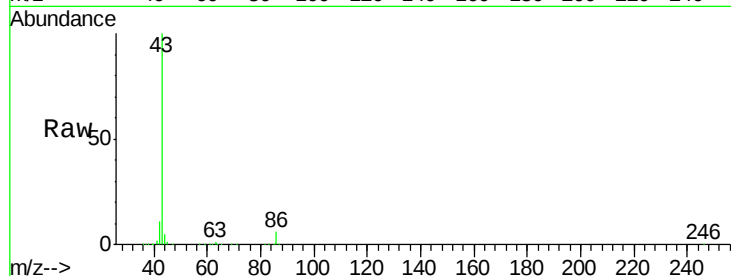
VD0816SBSD01

Tot Ion: 43 Resp: 1748555

Ion Ratio Lower Upper

43 100

86 5.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

400000

300000

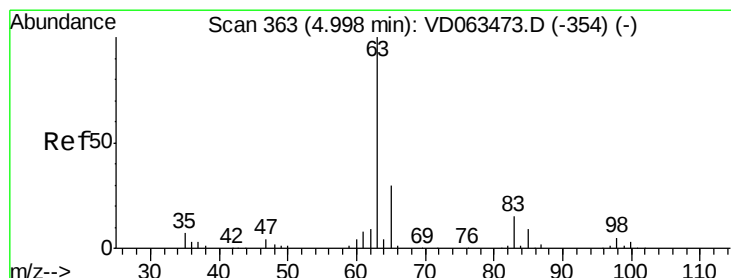
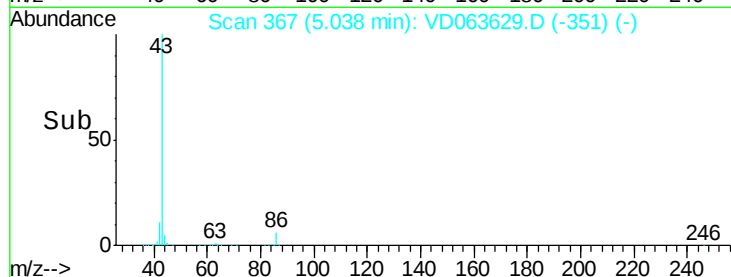
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 21.324 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

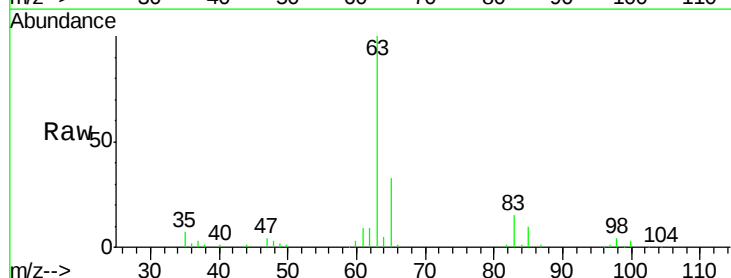
Tgt Ion: 63 Resp: 363277

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.2

100 2.9 1.3 3.8



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

4.97

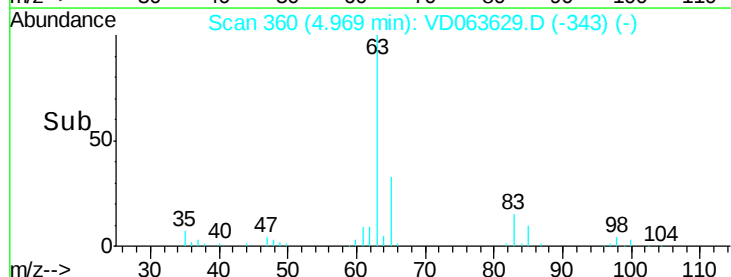
100000

50000

0

Time-->

4.80 4.90 5.00 5.10





#25

2-Butanone

Concen: 105.586 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

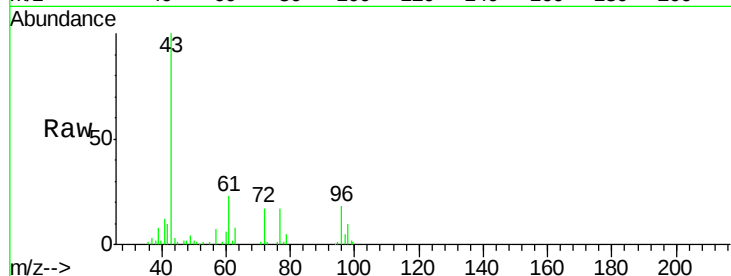
VD0816SBSD01

Tot Ion: 43 Resp: 248303

Ion Ratio Lower Upper

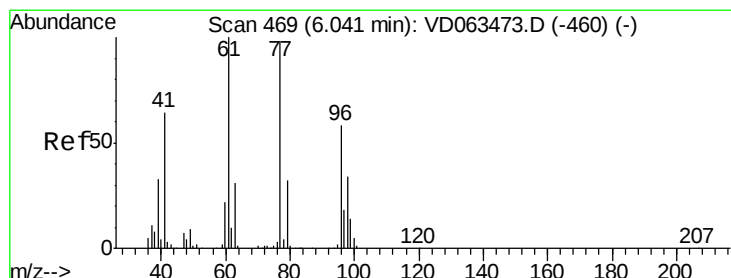
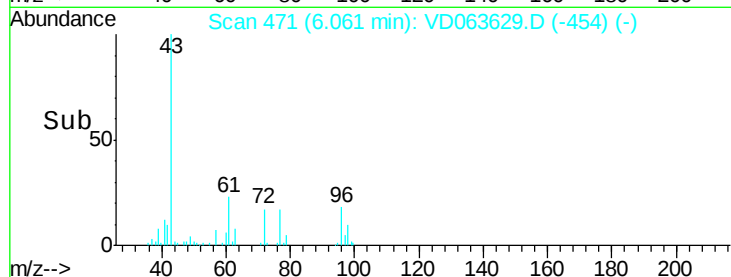
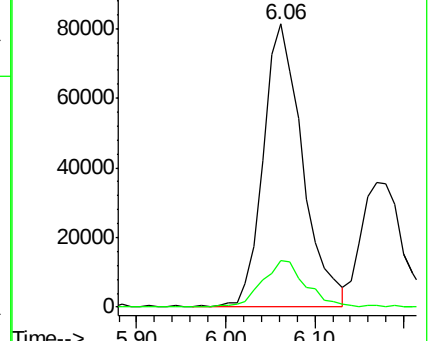
43 100

72 16.6 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.932 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063629.D

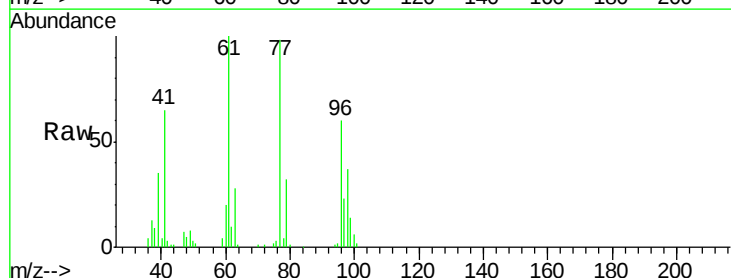
Acq: 16 Aug 2019 11:17

Tgt Ion: 77 Resp: 372156

Ion Ratio Lower Upper

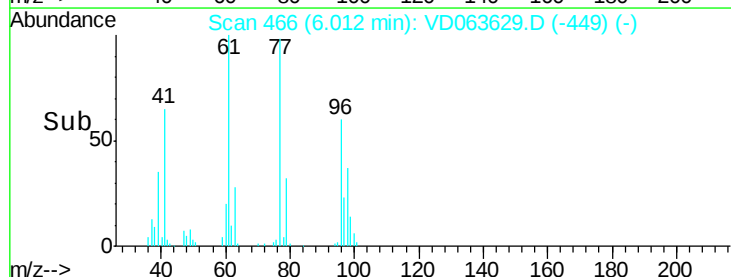
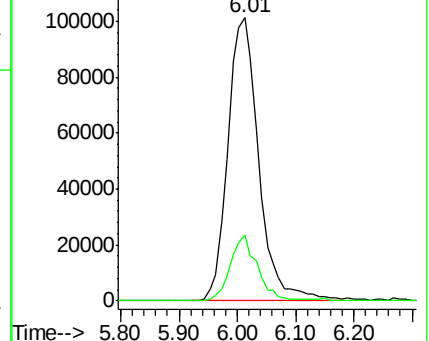
77 100

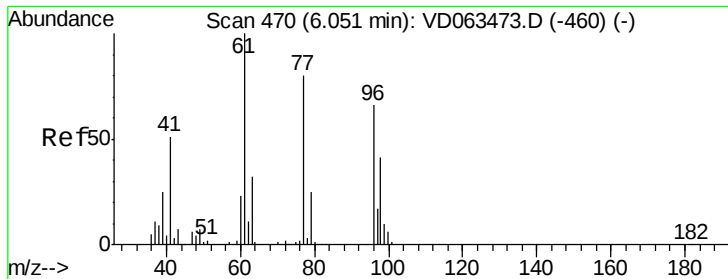
97 23.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



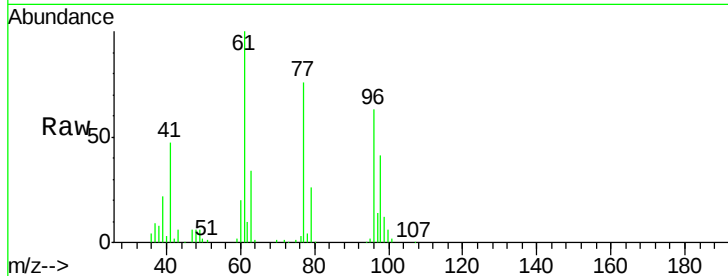


#27

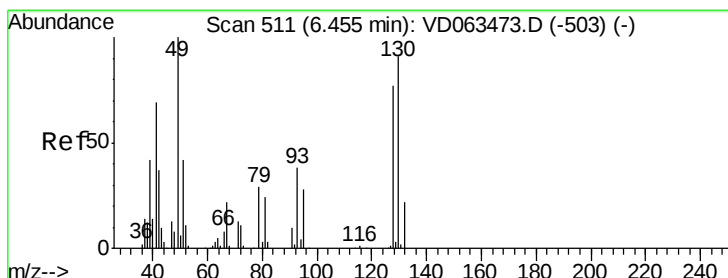
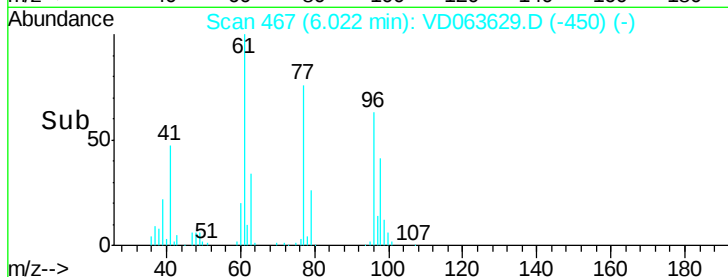
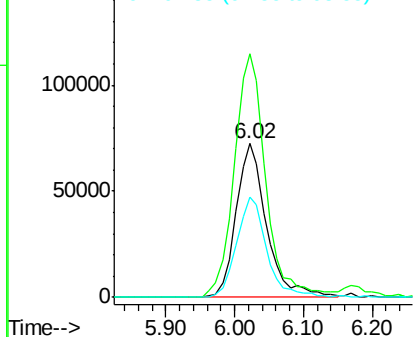
cis-1,2-Dichloroethene
 Concen: 21.718 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	304.0
98	65.1	0.0	124.8



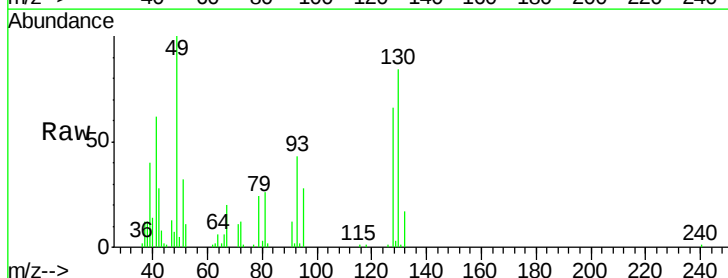
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



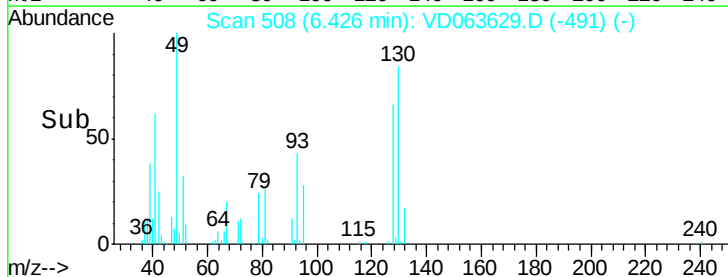
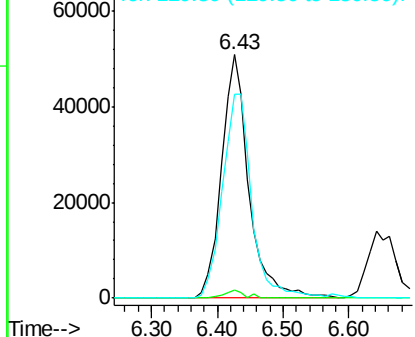
#28

Bromochloromethane
 Concen: 21.306 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.03 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	6.4
130	83.8	72.4	108.6



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

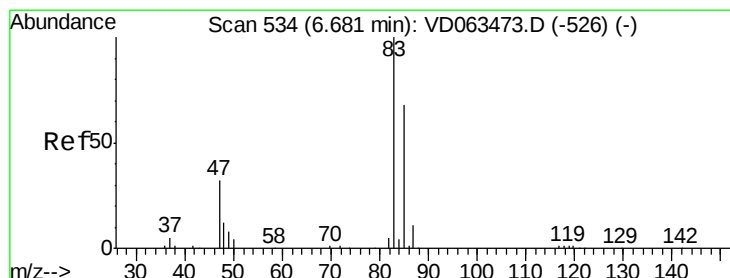
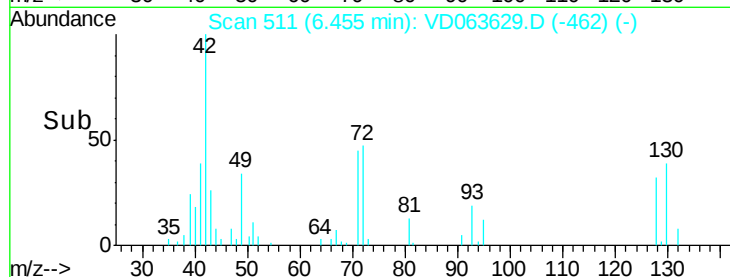
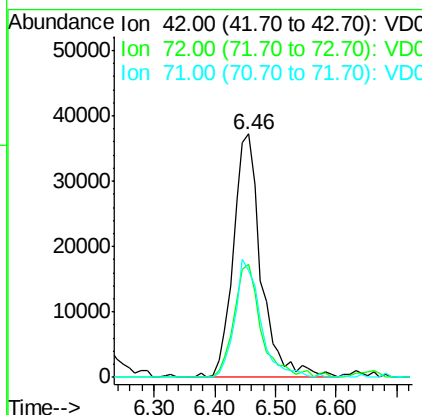
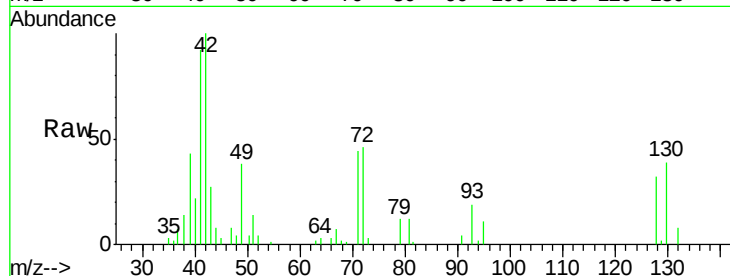




#29
Tetrahydrofuran
Concen: 108.230 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

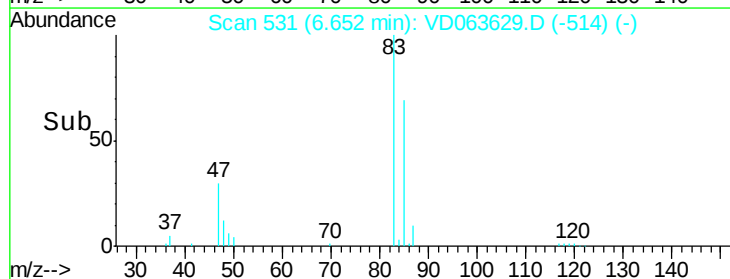
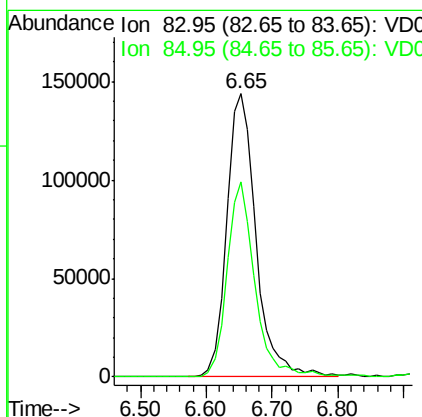
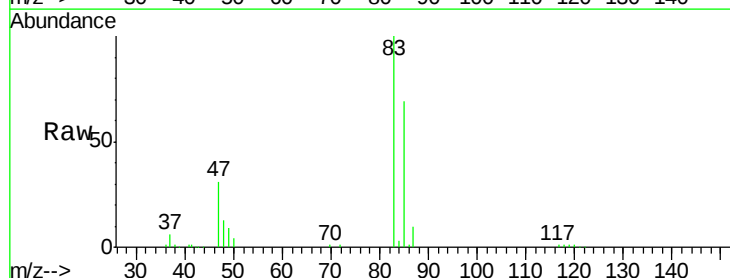
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

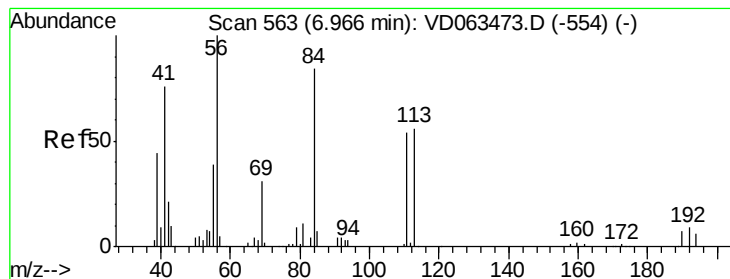
Tot Ion: 42 Resp: 118600
Ion Ratio Lower Upper
42 100
72 44.1 31.5 47.3
71 44.7 33.8 50.8



#30
Chloroform
Concen: 21.150 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 83 Resp: 447874
Ion Ratio Lower Upper
83 100
85 68.8 54.8 82.2





#31

Cyclohexane

Concen: 20.115 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

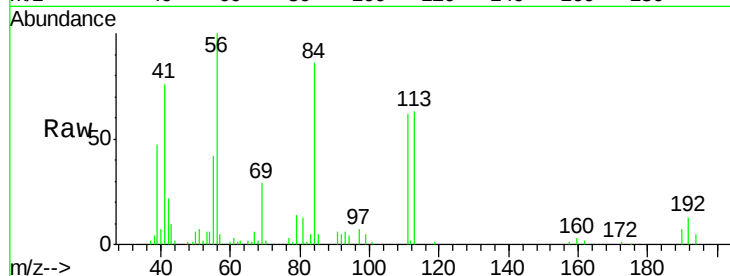
Tot Ion: 56 Resp: 212741

Ion Ratio Lower Upper

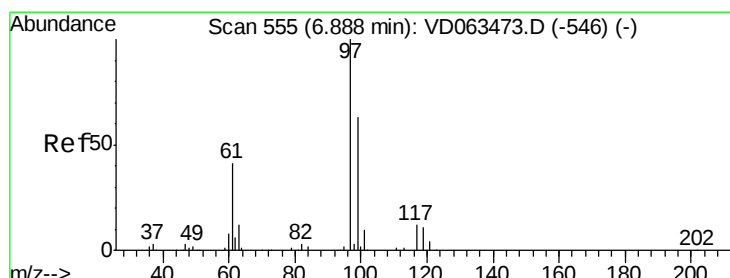
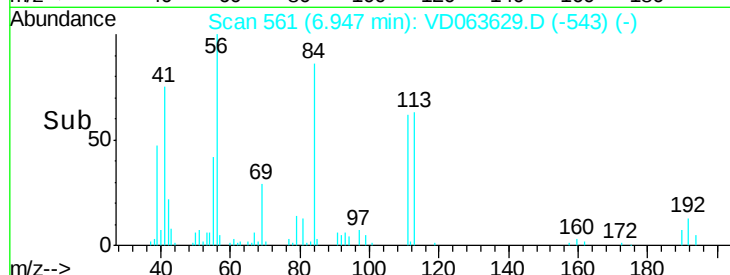
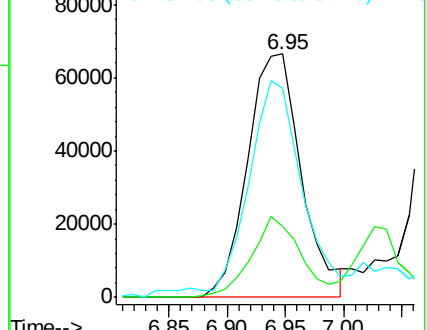
56 100

69 28.9 25.0 37.6

84 85.9 69.7 104.5



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: 21.399 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

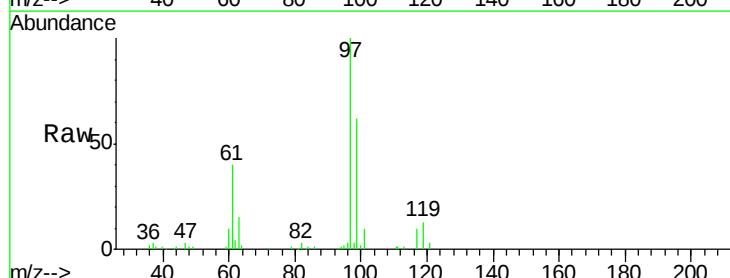
Tgt Ion: 97 Resp: 433475

Ion Ratio Lower Upper

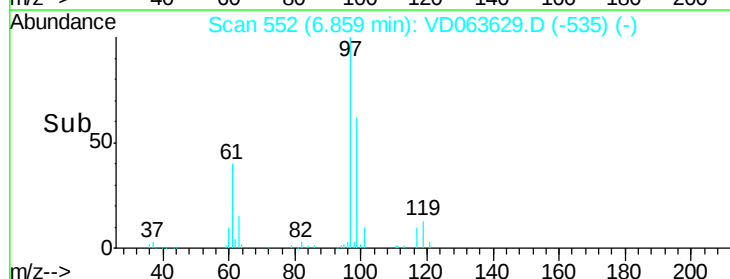
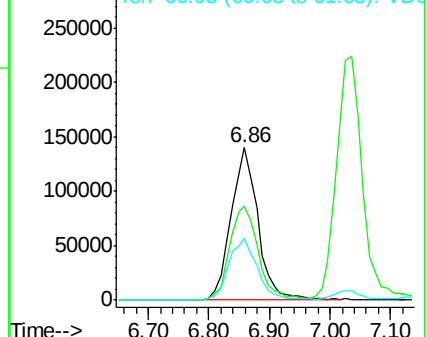
97 100

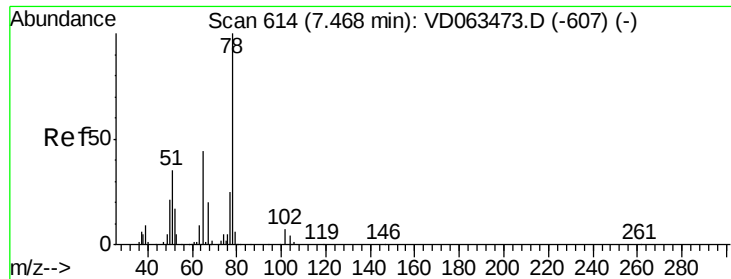
99 61.9 50.2 75.4

61 40.2 33.1 49.7



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

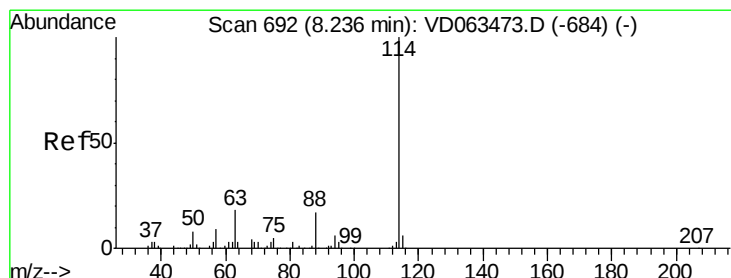
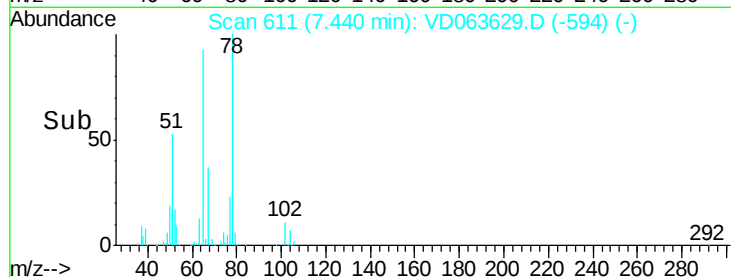
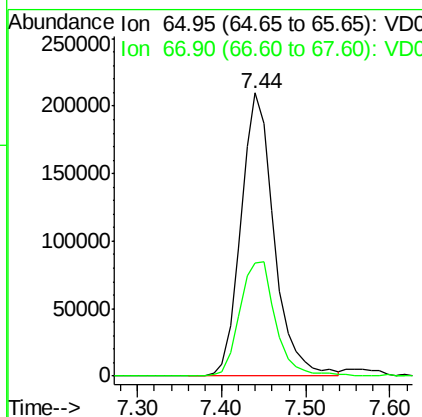
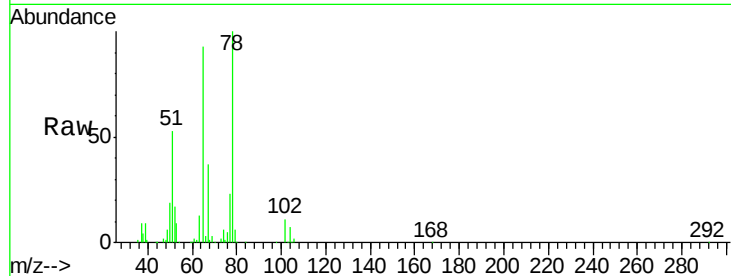




#33
 1,2-Dichloroethane-d4
 Concen: 49.197 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

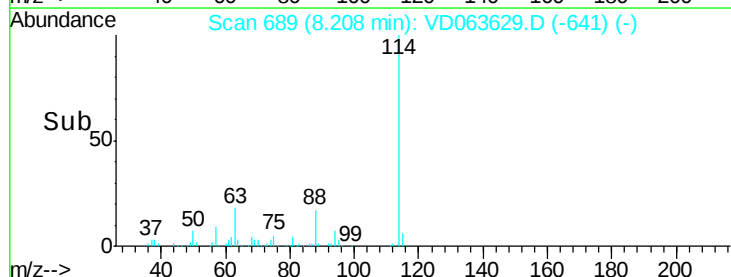
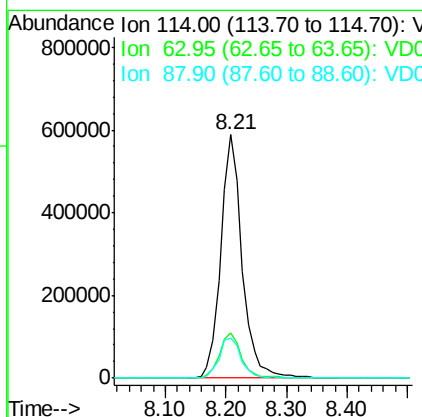
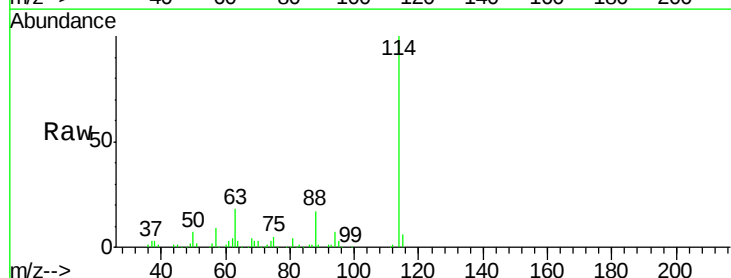
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

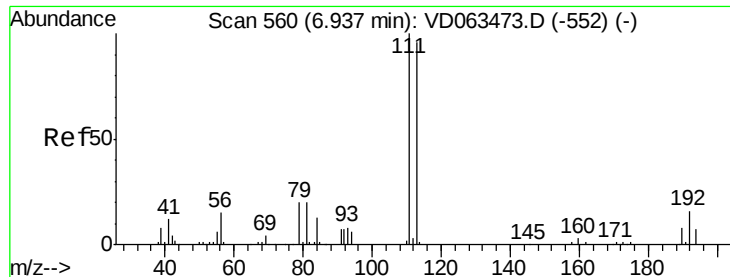
Tot Ion: 65 Resp: 576264
 Ion Ratio Lower Upper
 65 100
 67 40.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion: 114 Resp: 1435194
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 16.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 54.152 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

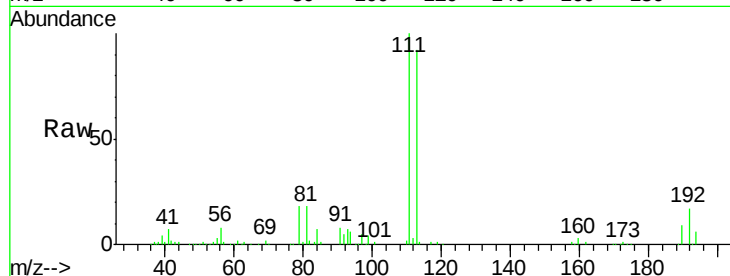
Tot Ion:113 Resp: 654550

Ion Ratio Lower Upper

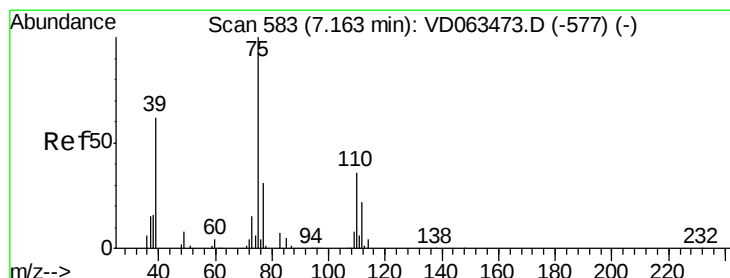
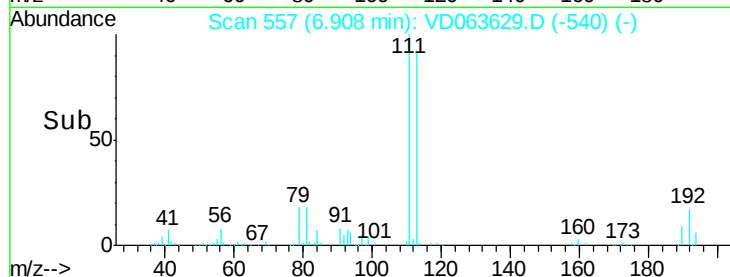
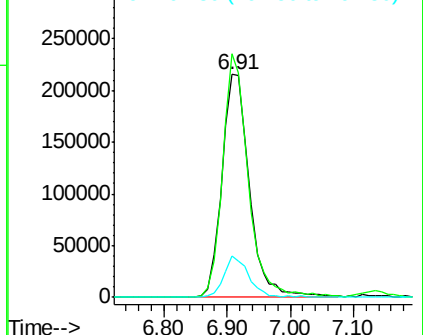
113 100

111 109.1 83.1 124.7

192 18.4 13.1 19.7



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: 22.080 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

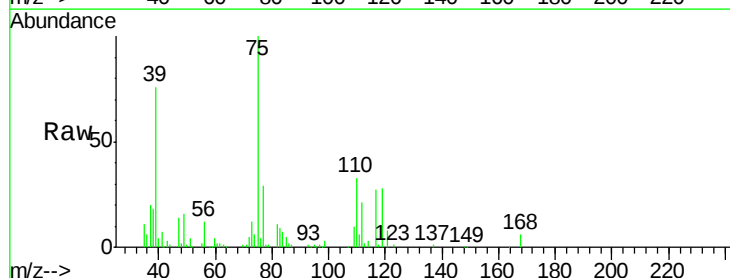
Tgt Ion: 75 Resp: 280136

Ion Ratio Lower Upper

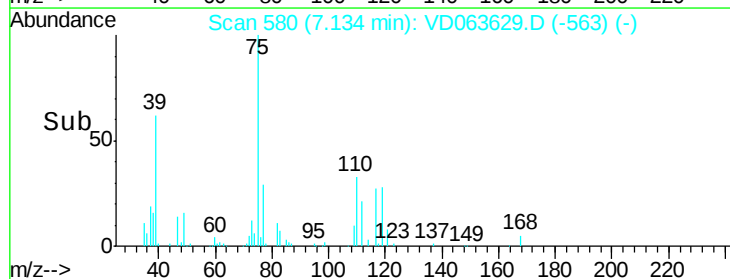
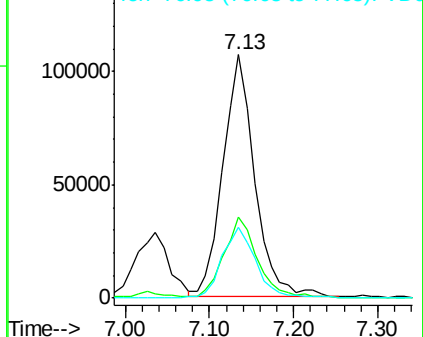
75 100

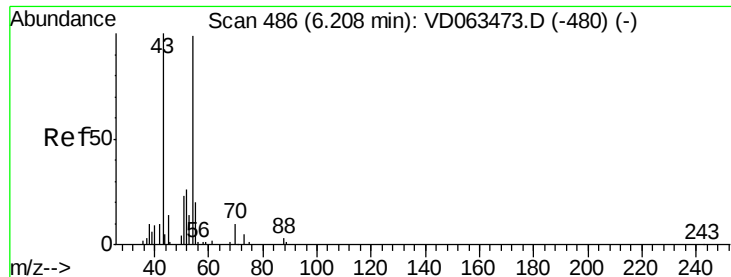
110 33.3 17.6 52.8

77 29.1 24.3 36.5



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

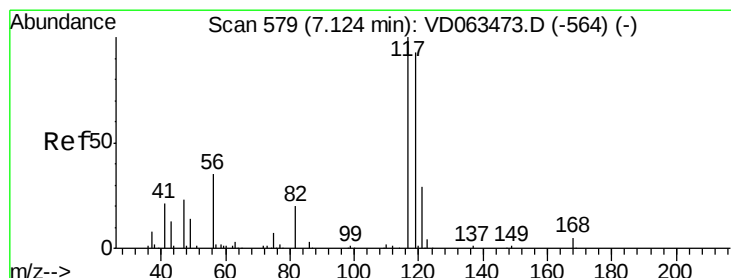
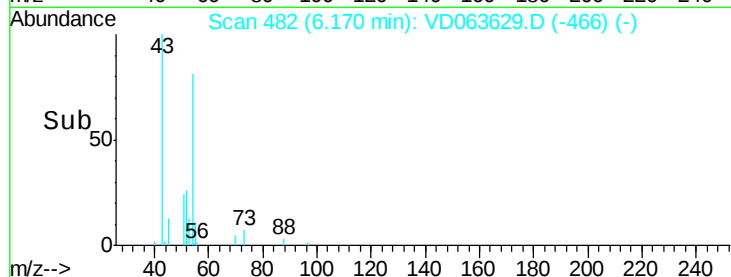
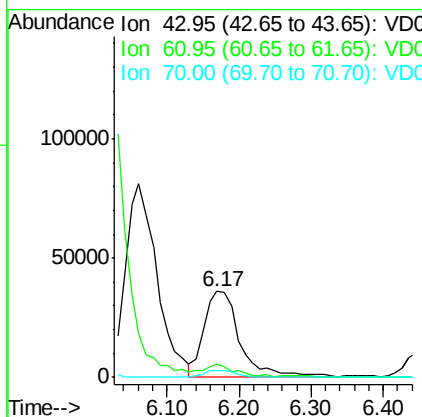
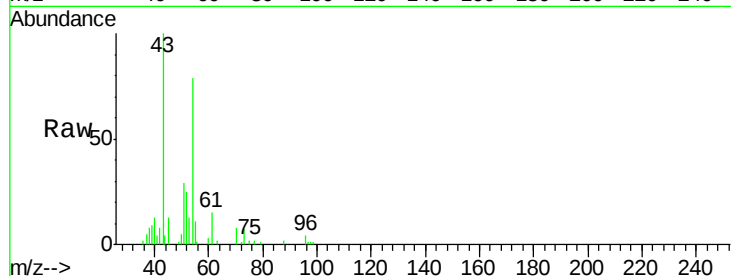




#37
Ethyl Acetate
Concen: 22.443 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

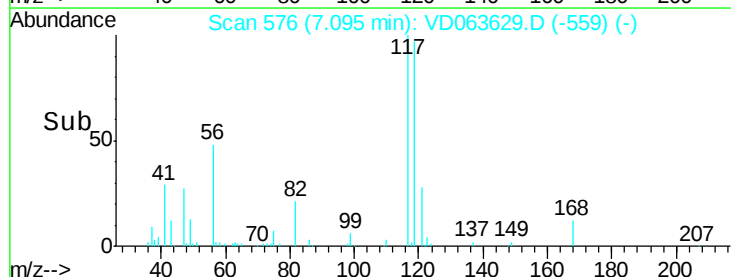
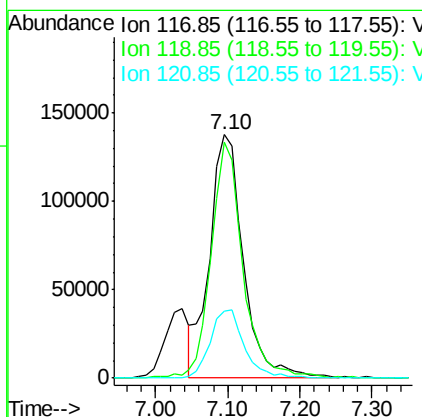
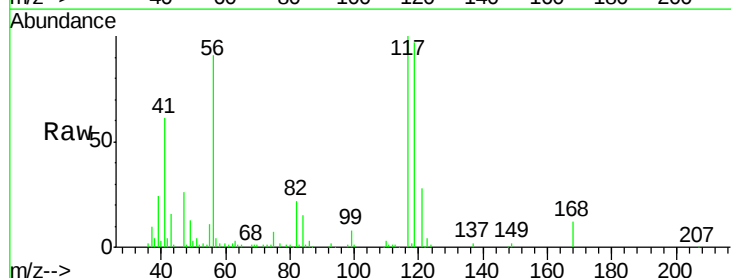
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

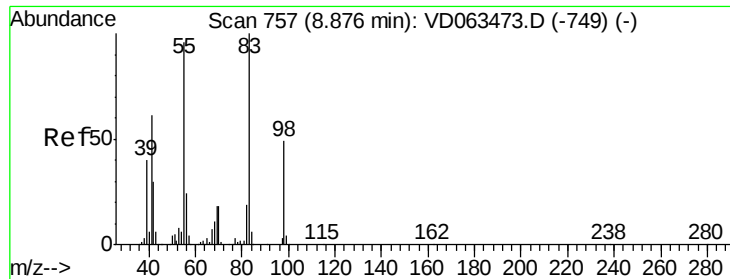
Tot Ion: 43 Resp: 119314
Ion Ratio Lower Upper
43 100
61 15.0 9.0 13.6#
70 8.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 23.314 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 117 Resp: 445794
Ion Ratio Lower Upper
117 100
119 96.8 74.2 111.2
121 27.5 23.1 34.7

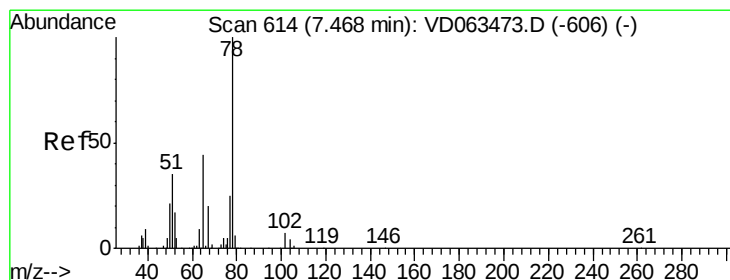
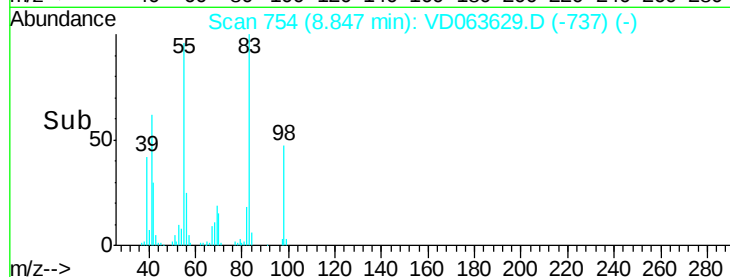
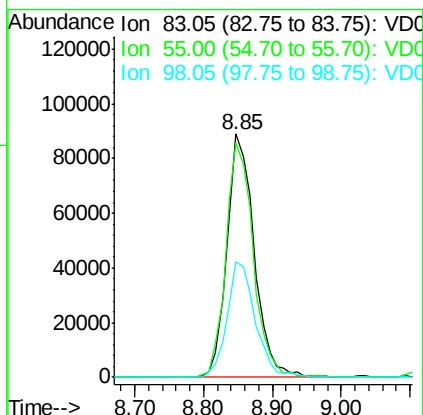
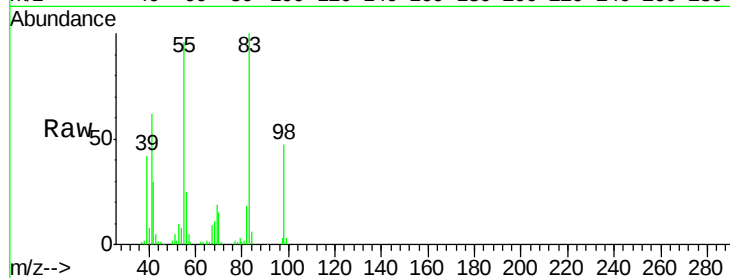




#39
Methvlcvclohexane
Concen: 22.713 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

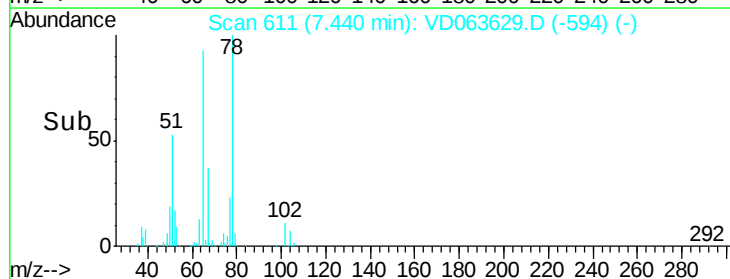
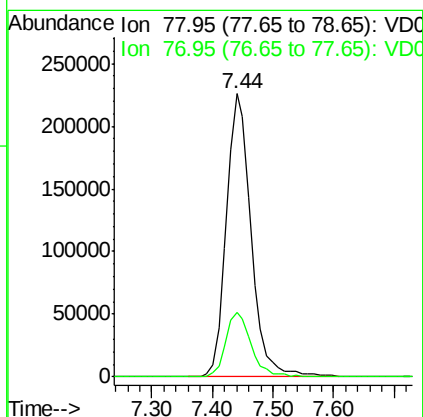
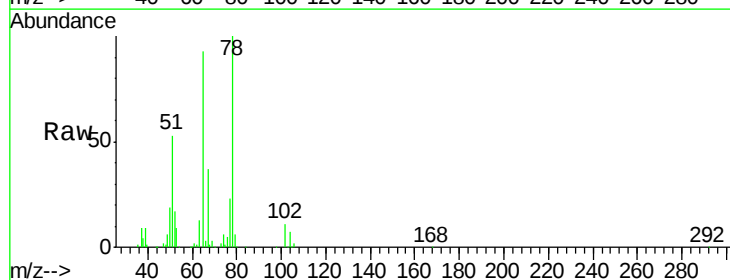
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

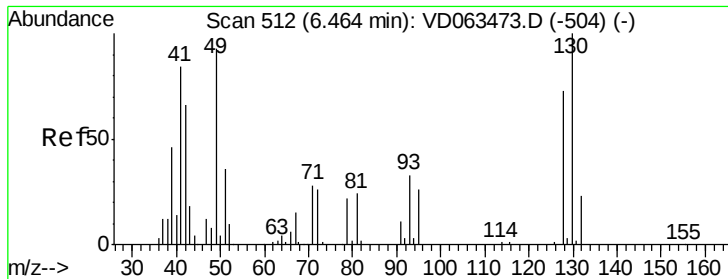
Tot Ion: 83 Resp: 245040
Ion Ratio Lower Upper
83 100
55 96.5 76.6 114.8
98 47.4 39.4 59.0



#40
Benzene
Concen: 22.976 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 78 Resp: 641517
Ion Ratio Lower Upper
78 100
77 22.8 20.1 30.1

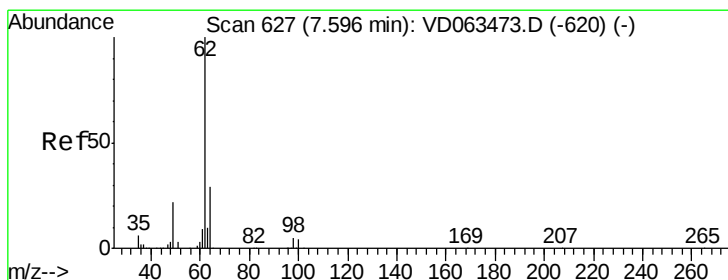
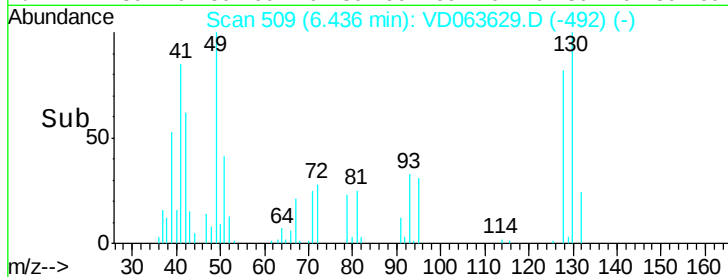
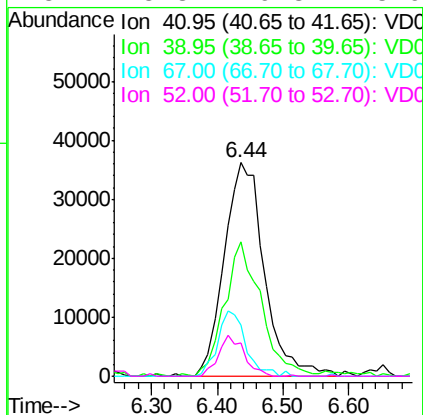
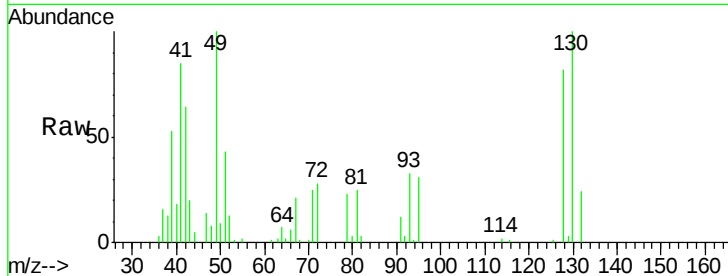




#41
Methacrylonitrile
Concen: 22.970 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

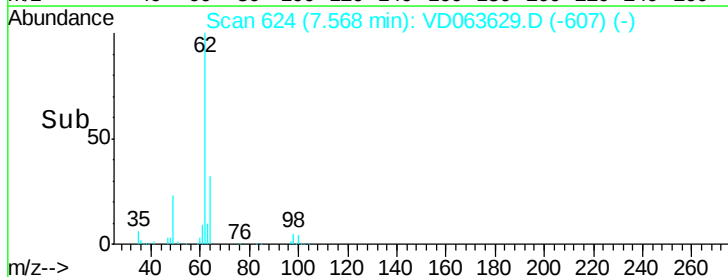
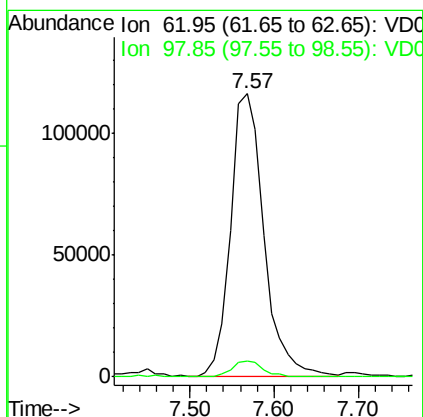
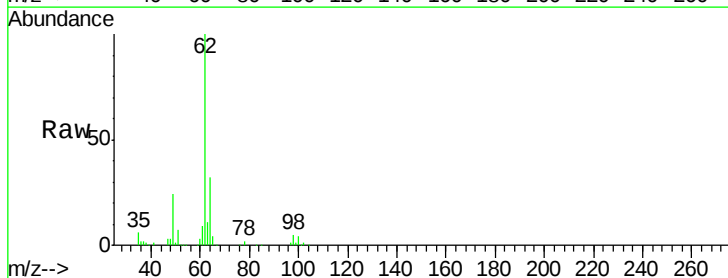
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

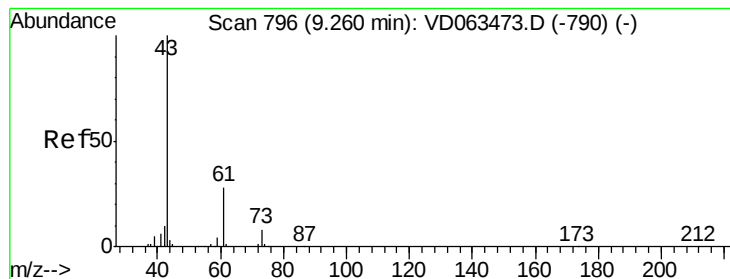
Tot Ion:	41	Resp:	153759
Ion	Ratio	Lower	Upper
41	100		
39	63.0	44.6	66.8
67	24.2	14.4	21.6#
52	15.3	9.3	13.9#



#42
1,2-Dichloroethane
Concen: 23.014 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion:	62	Resp:	323103
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	10.4





#43

Isopropyl Acetate

Concen: 22.634 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

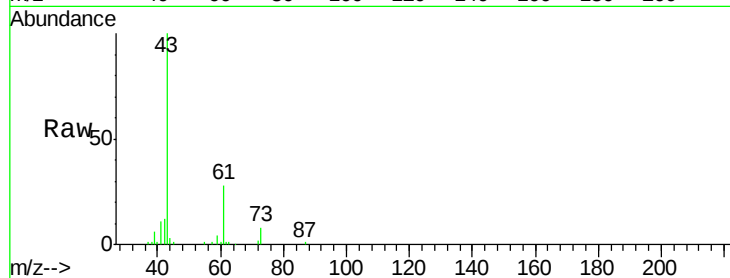
Tot Ion: 43 Resp: 161166

Ion Ratio Lower Upper

43 100

61 28.4 22.2 33.2

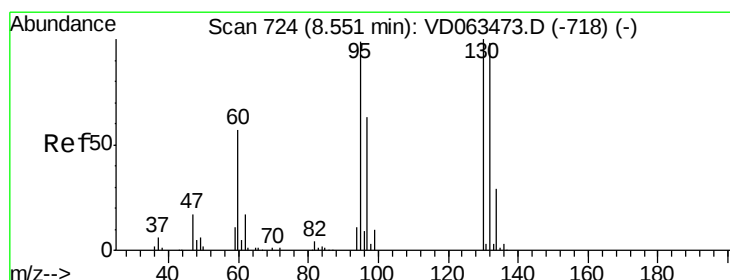
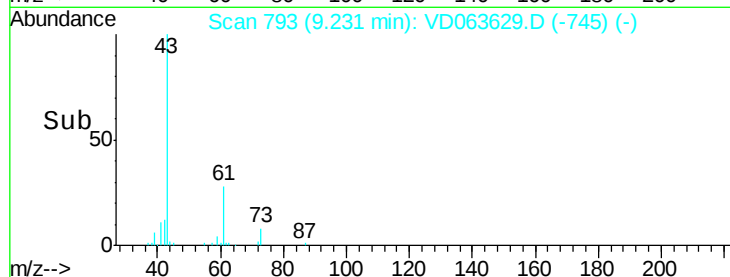
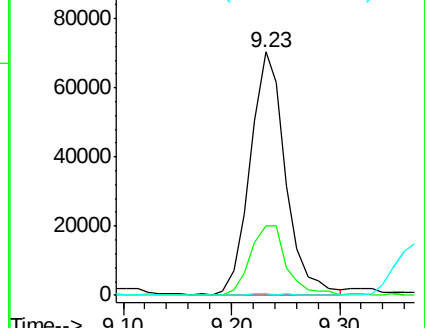
87 0.6 0.2 0.4#



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: 23.671 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063629.D

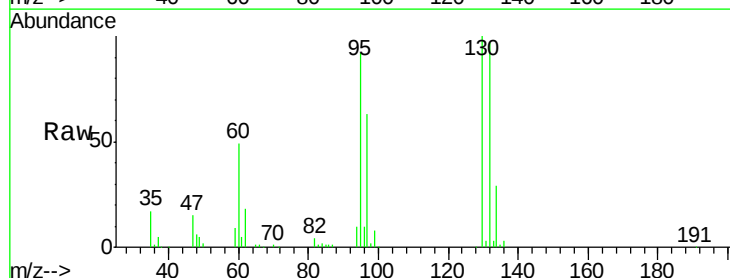
Acq: 16 Aug 2019 11:17

Tgt Ion: 130 Resp: 252610

Ion Ratio Lower Upper

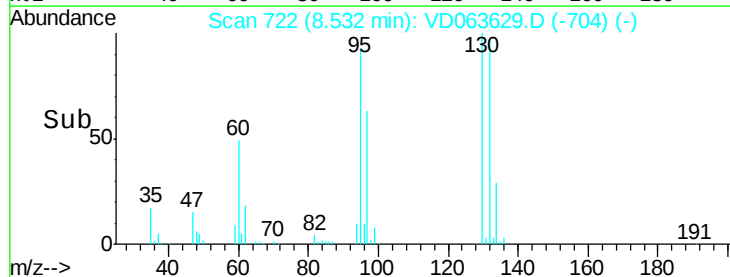
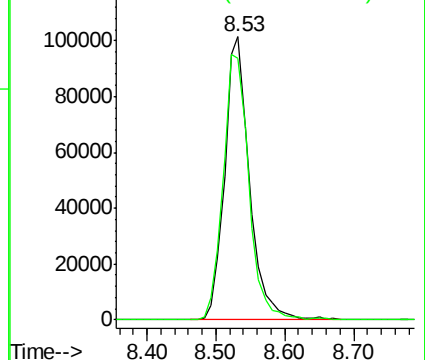
130 100

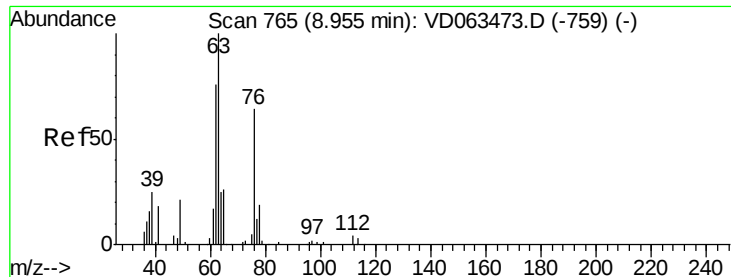
95 92.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.521 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

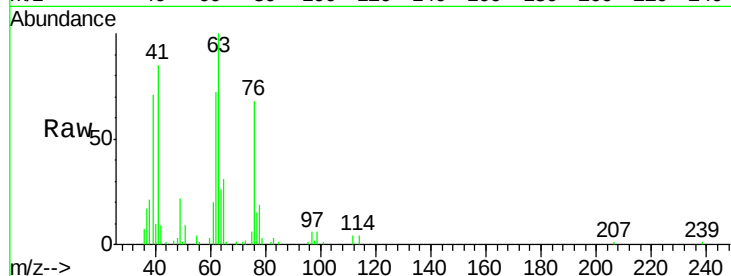
VD0816SBS01

Tot Ion: 63 Resp: 152937

Ion Ratio Lower Upper

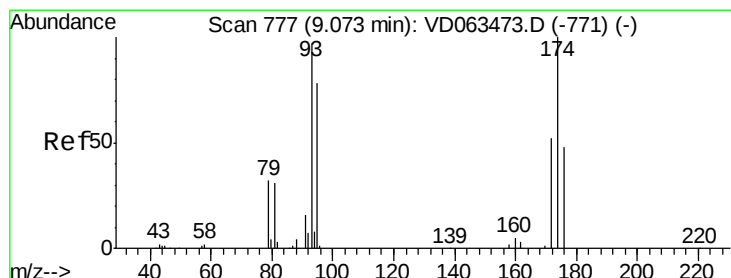
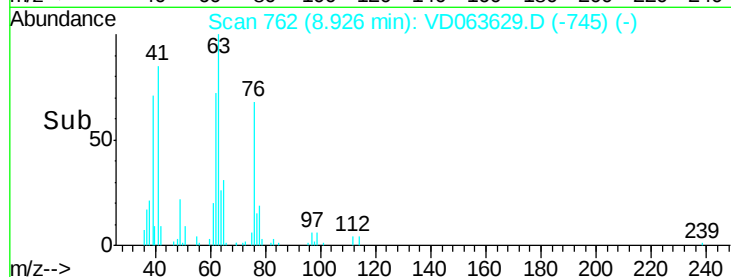
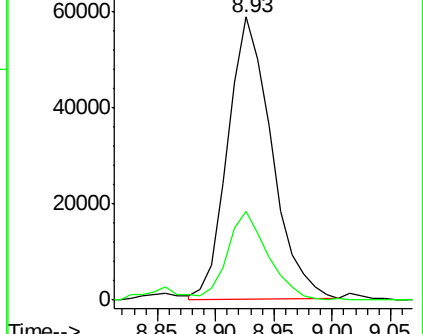
63 100

65 31.2 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.742 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

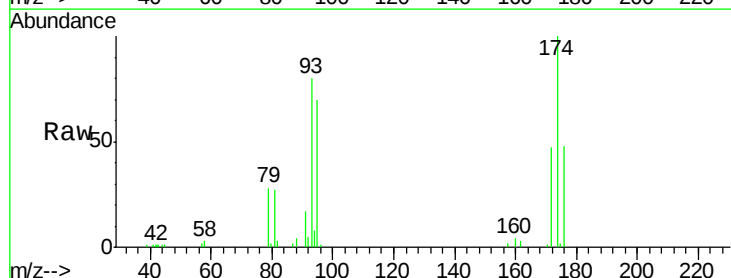
Tgt Ion: 93 Resp: 126277

Ion Ratio Lower Upper

93 100

95 88.1 64.2 96.2

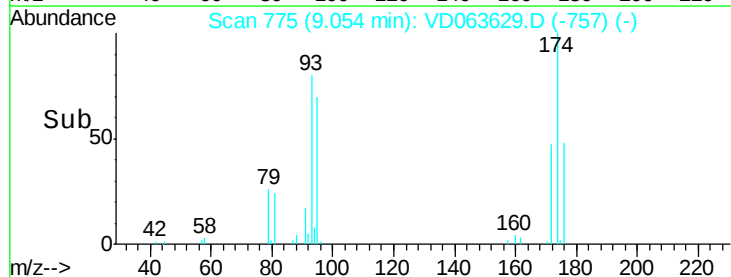
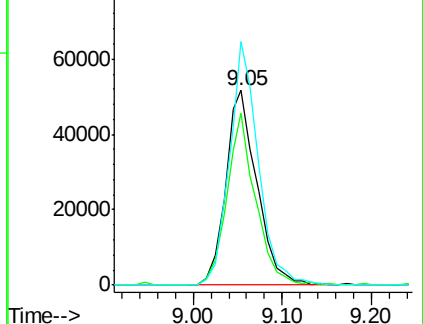
174 125.1 82.1 123.1#

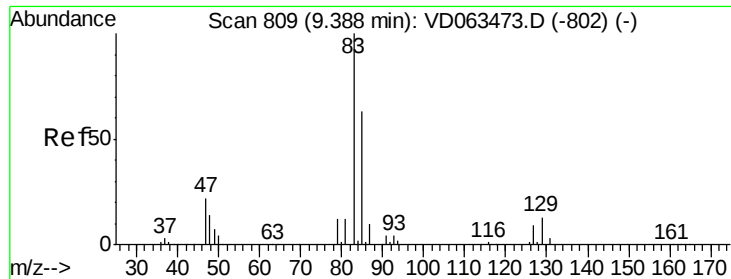


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.388 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

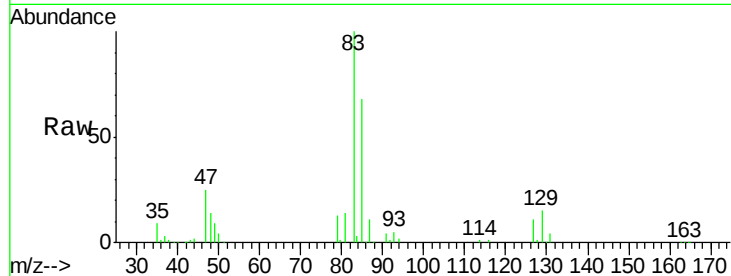
Tot Ion: 83 Resp: 318878

Ion Ratio Lower Upper

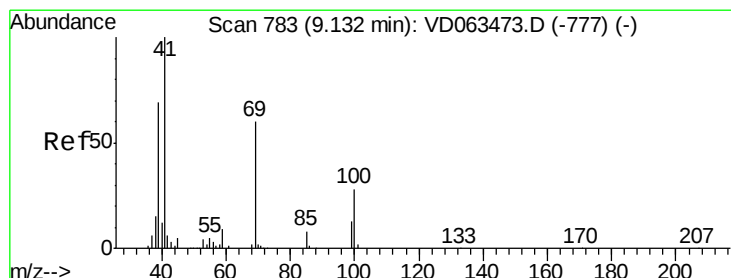
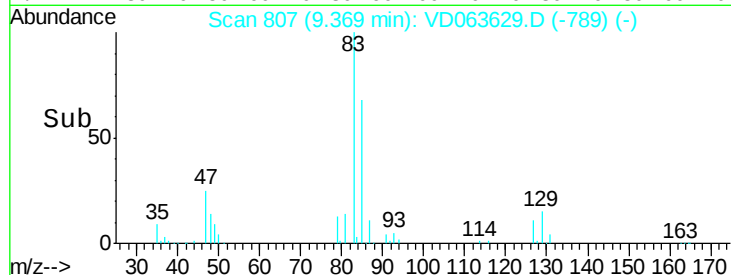
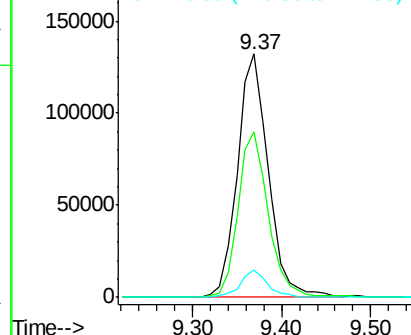
83 100

85 67.9 50.1 75.1

127 11.1 7.6 11.4



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: 21.767 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

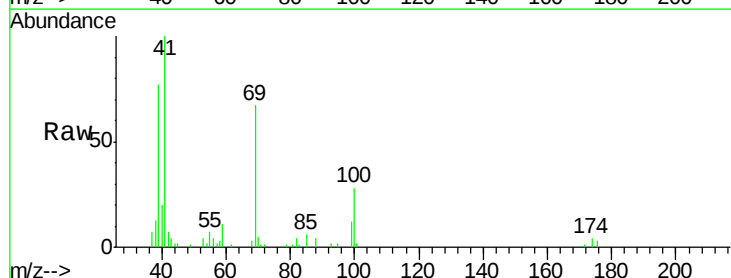
Tgt Ion: 41 Resp: 105109

Ion Ratio Lower Upper

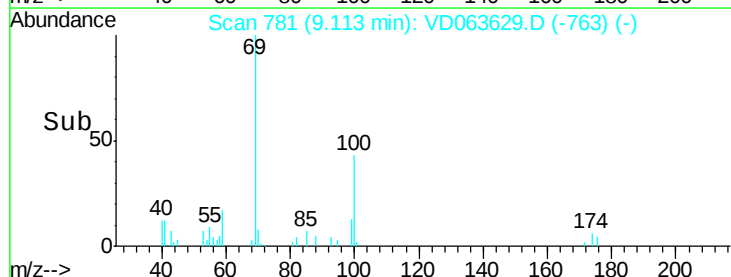
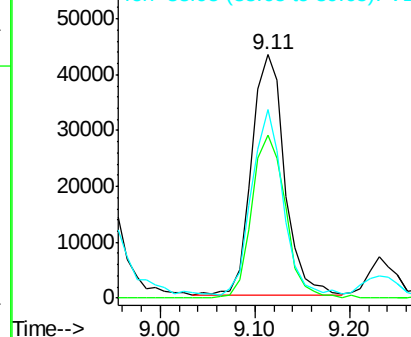
41 100

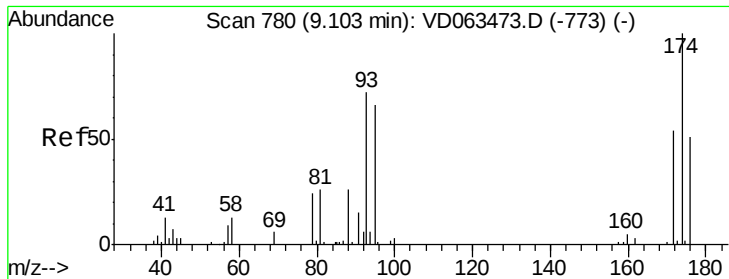
69 66.8 47.6 71.4

39 77.4 55.7 83.5



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

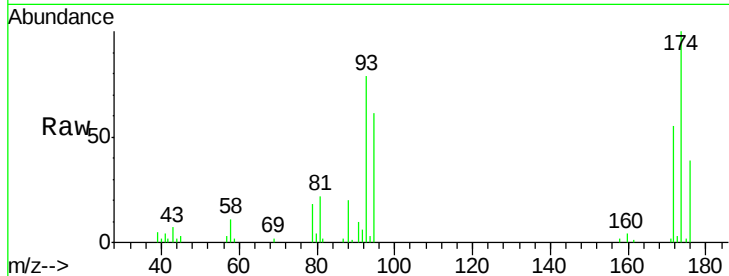




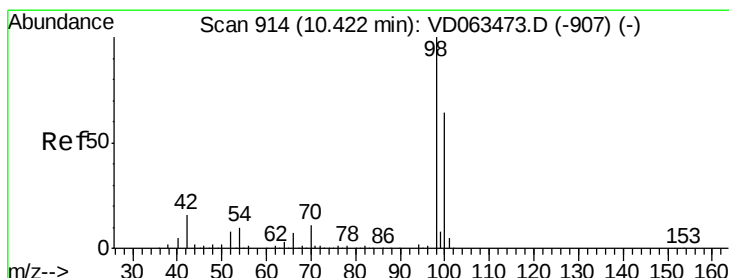
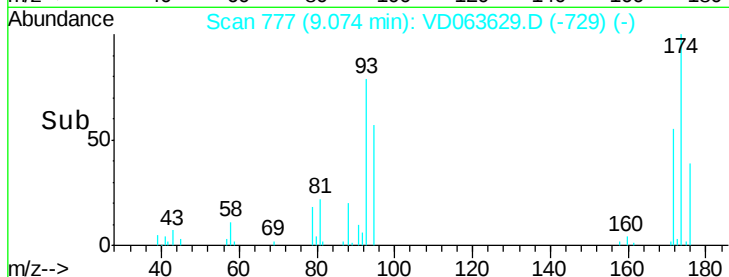
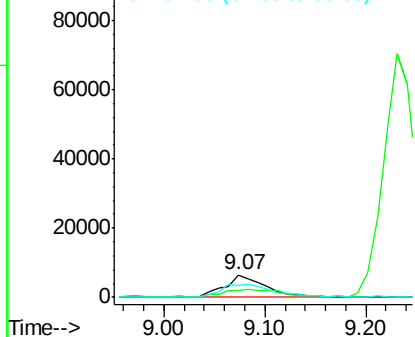
#49
1,4-Dioxane
Concen: 429.397 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tot Ion: 88 Resp: 17892
Ion Ratio Lower Upper
88 100
43 32.8 22.9 34.3
58 56.2 40.1 60.1

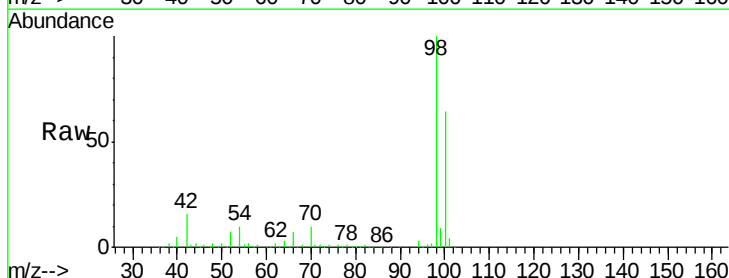


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

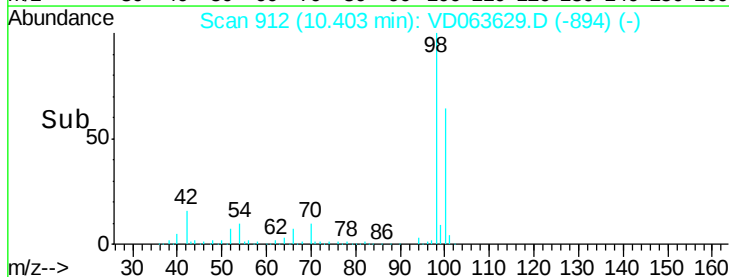
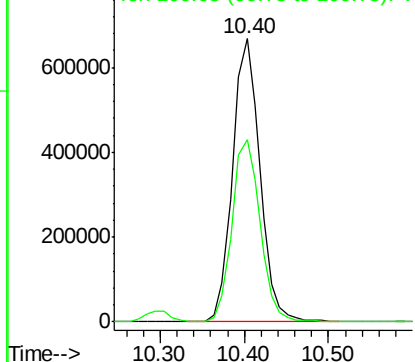


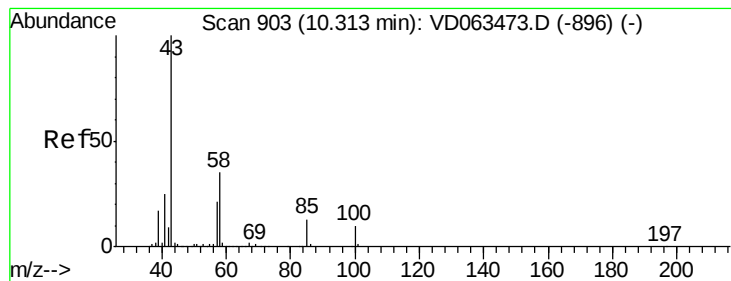
#50
Toluene-d8
Concen: 57.046 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 98 Resp: 1515961
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



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: 113.246 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

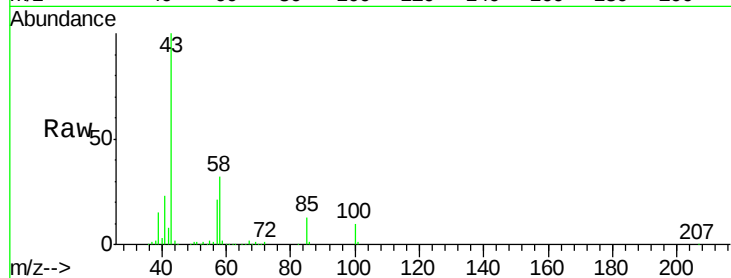
VD0816SBS01

Tot Ion: 43 Resp: 551767

Ion Ratio Lower Upper

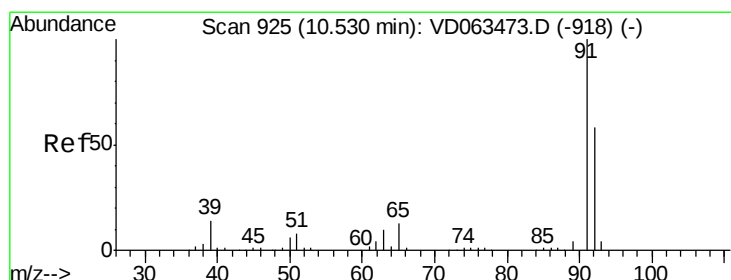
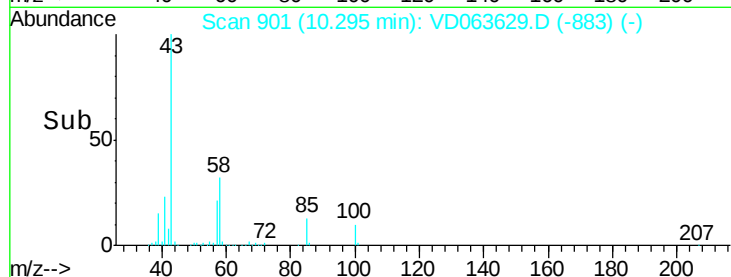
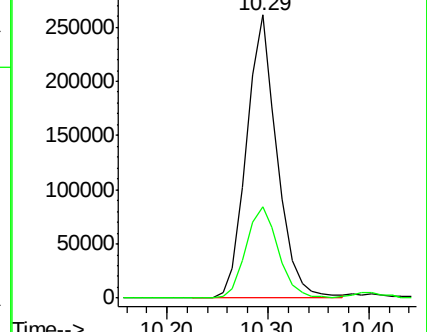
43 100

58 32.2 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 24.773 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063629.D

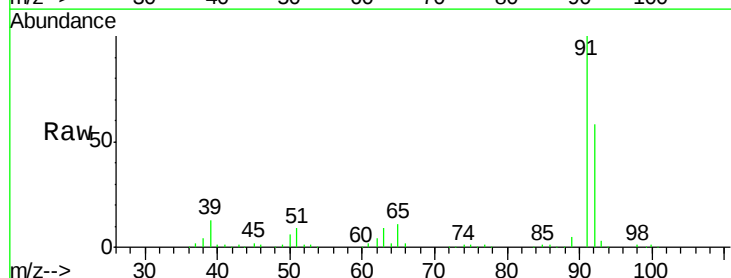
Acq: 16 Aug 2019 11:17

Tgt Ion: 92 Resp: 445512

Ion Ratio Lower Upper

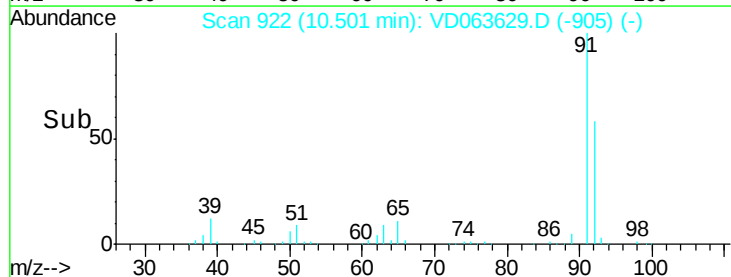
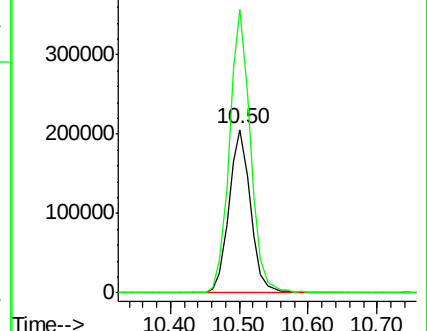
92 100

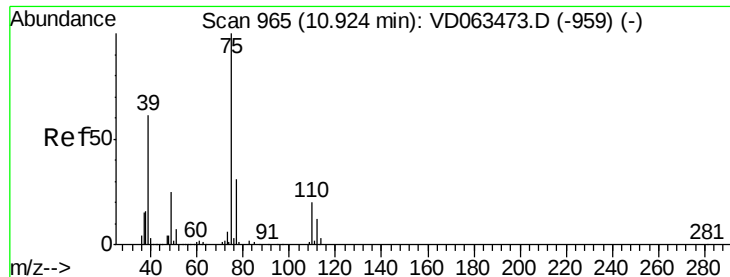
91 173.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

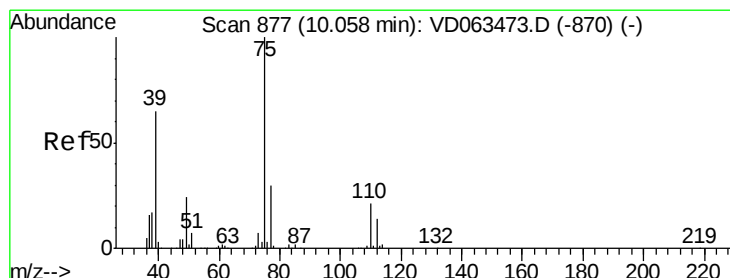
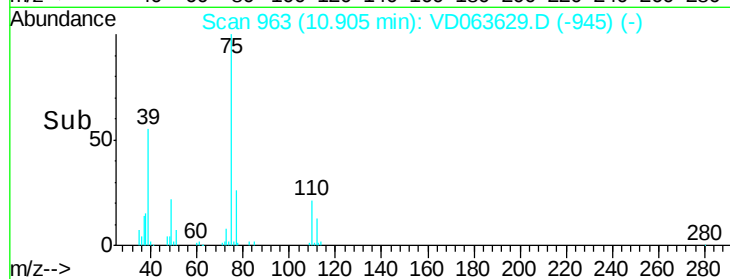
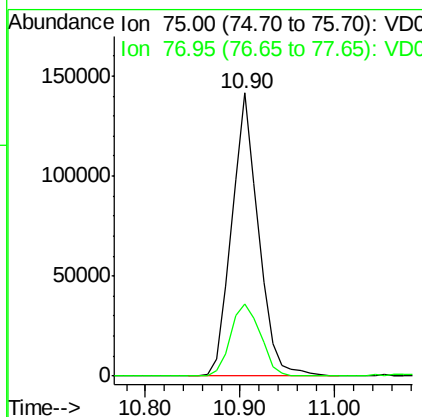
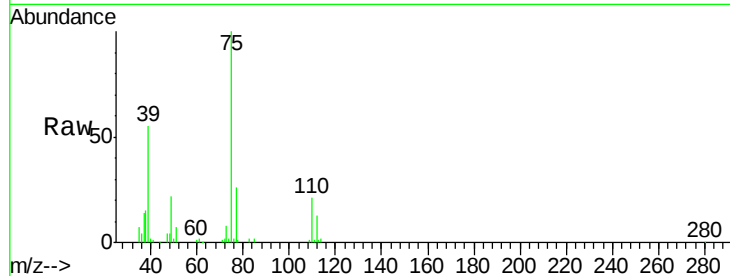




#53
 t-1,3-Dichloropropene
 Concen: 23.716 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

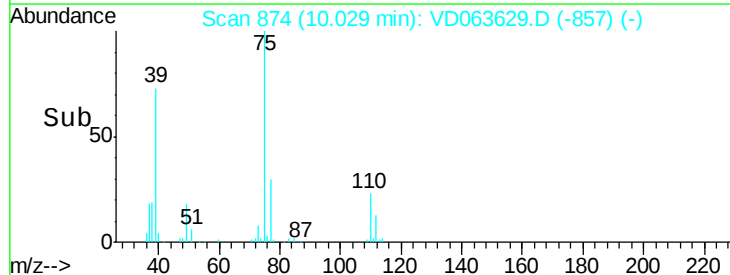
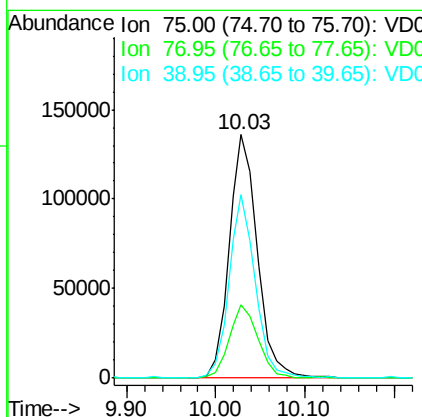
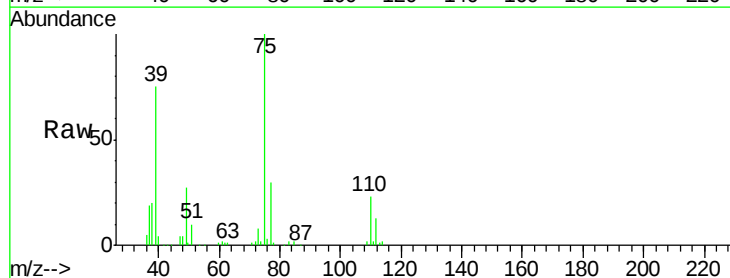
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

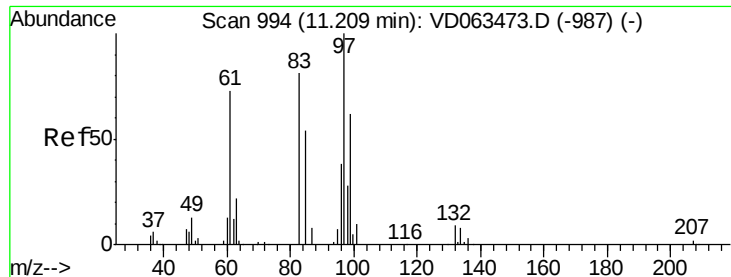
Tot Ion: 75 Resp: 275667
 Ion Ratio Lower Upper
 75 100
 77 25.6 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 22.984 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.03 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion: 75 Resp: 301246
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.7 35.5
 39 75.5 52.2 78.4

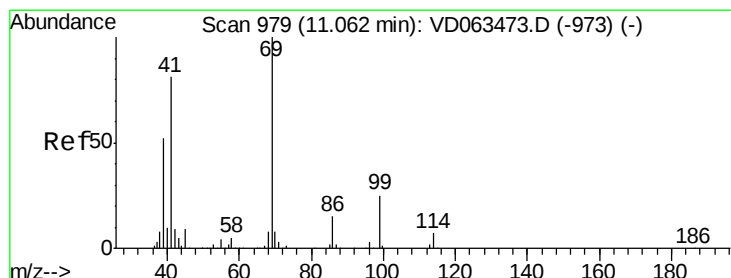
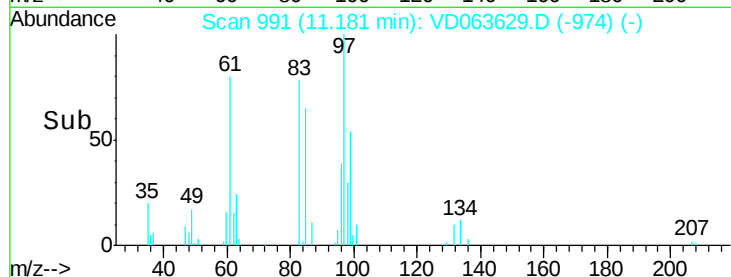
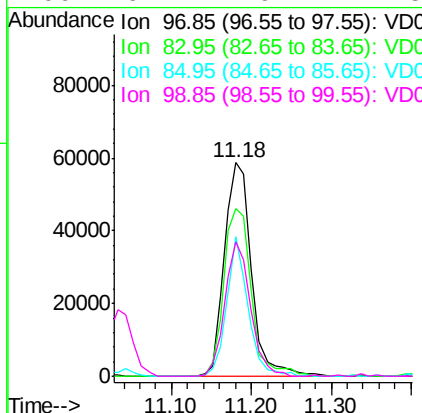
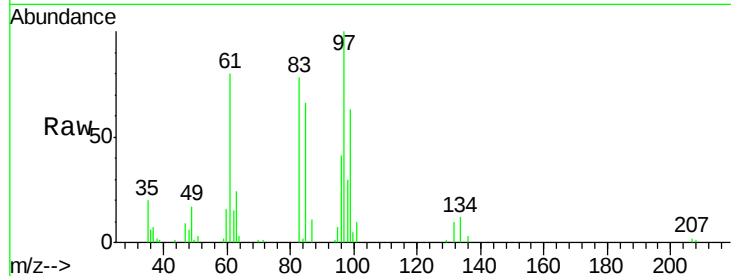




#55
 1,1,2-Trichloroethane
 Concen: 23.069 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

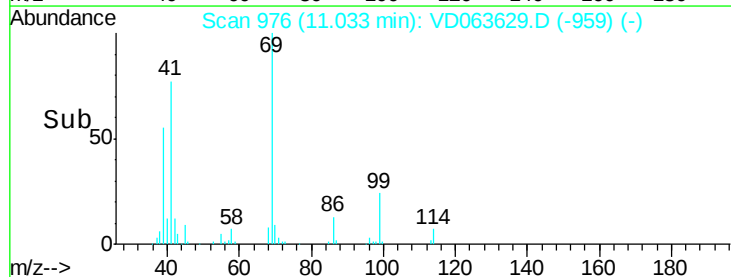
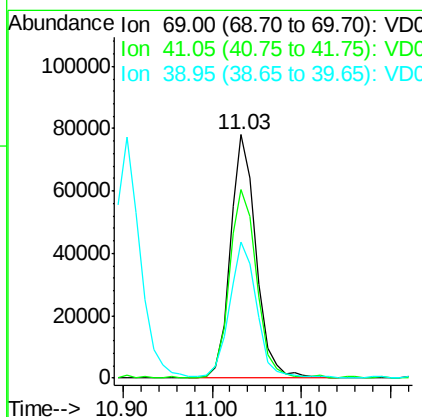
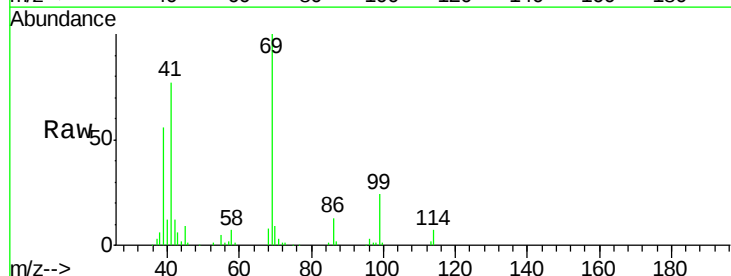
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

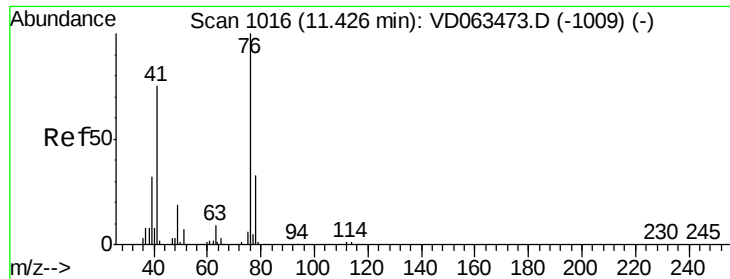
Tot Ion: 97 Resp: 140136
 Ion Ratio Lower Upper
 97 100
 83 78.2 64.7 97.1
 85 65.6 42.9 64.3#
 99 62.7 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 23.949 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion: 69 Resp: 157908
 Ion Ratio Lower Upper
 69 100
 41 77.3 64.8 97.2
 39 56.1 42.4 63.6





#57

1,3-Dichloropropane

Concen: 23.477 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

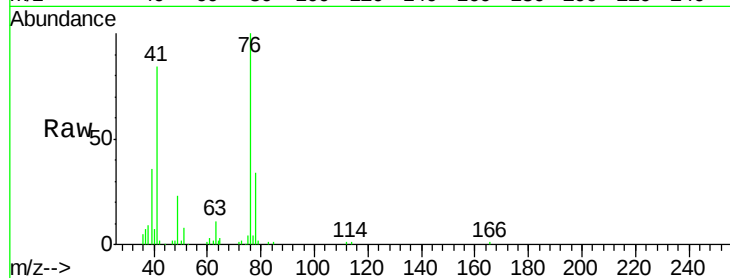
VD0816SBSD01

Tot Ion: 76 Resp: 215577

Ion Ratio Lower Upper

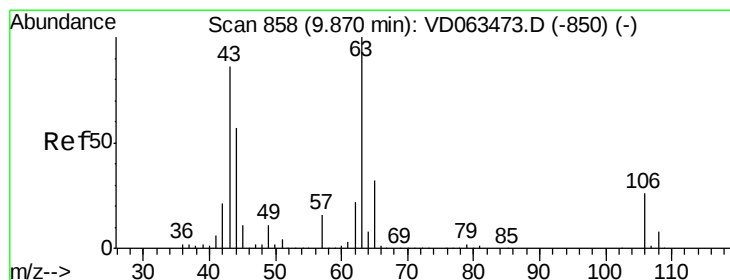
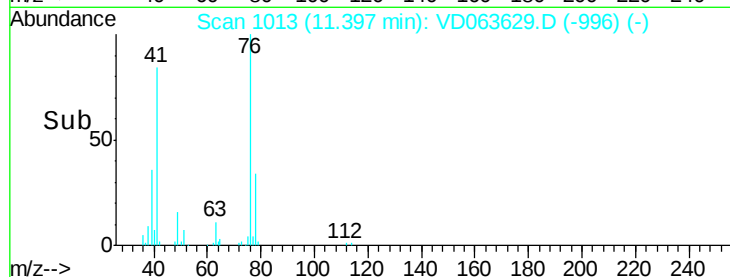
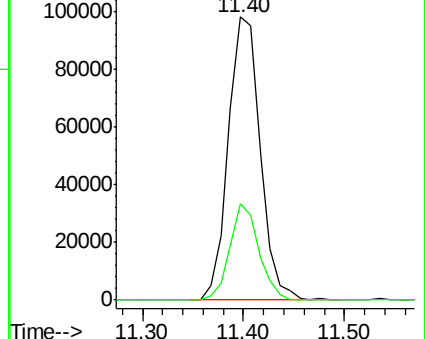
76 100

78 34.1 26.3 39.5



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: 111.138 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063629.D

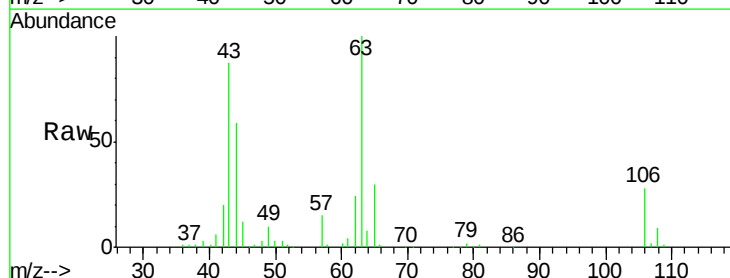
Acq: 16 Aug 2019 11:17

Tgt Ion: 63 Resp: 386865

Ion Ratio Lower Upper

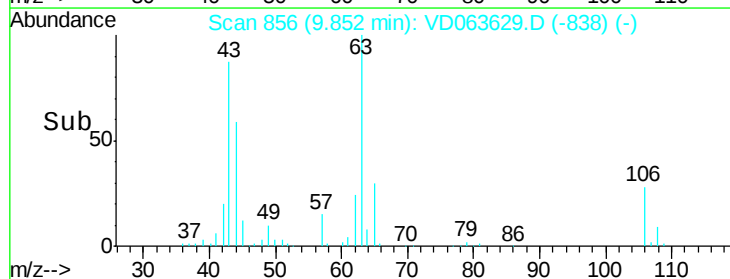
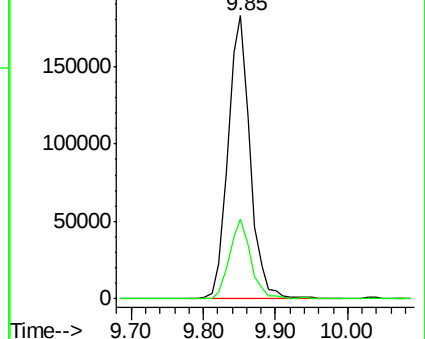
63 100

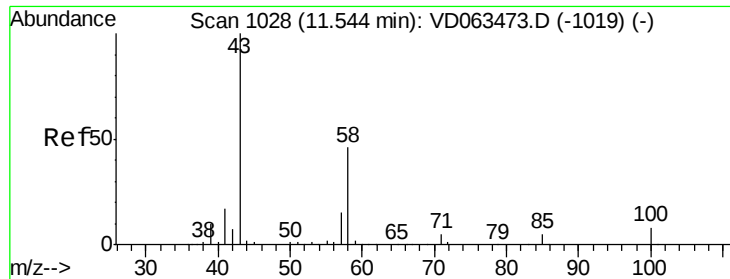
106 28.0 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

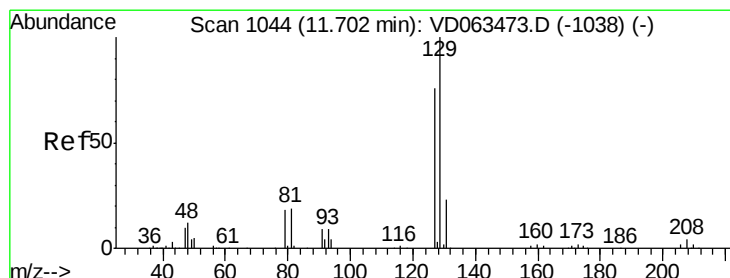
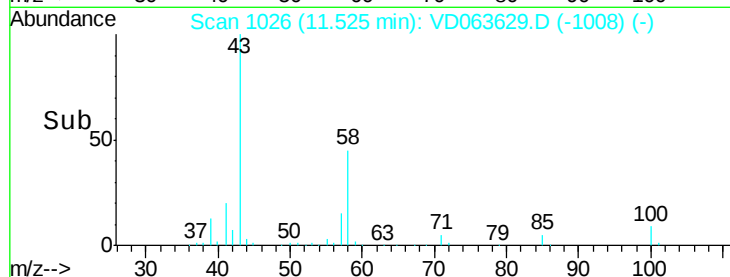
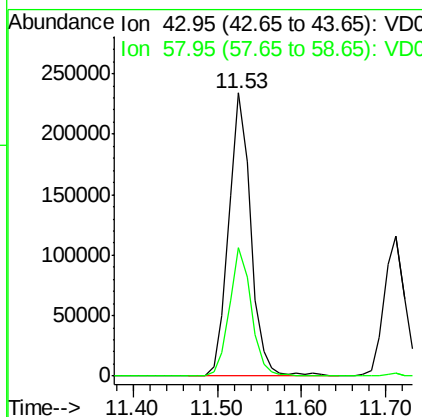
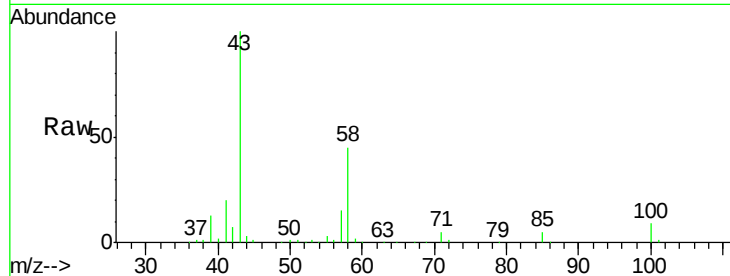




#59
2-Hexanone
Concen: 120.126 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

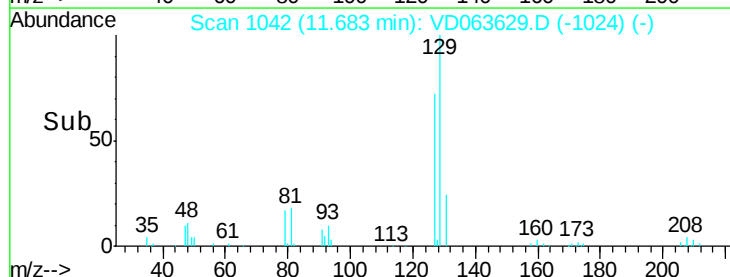
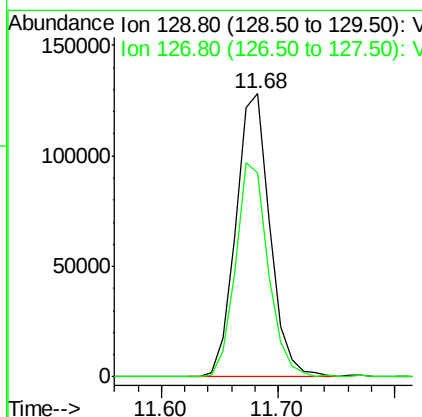
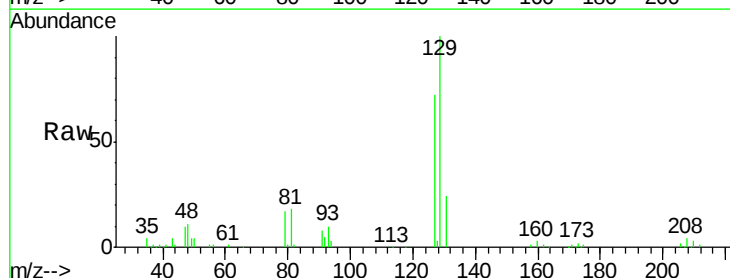
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

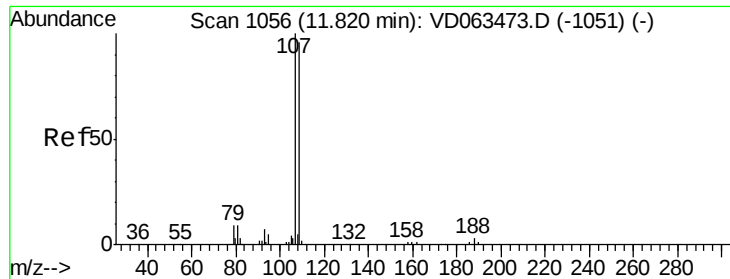
Tot Ion: 43 Resp: 425873
Ion Ratio Lower Upper
43 100
58 45.4 23.1 69.2



#60
Dibromochloromethane
Concen: 23.499 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion:129 Resp: 259752
Ion Ratio Lower Upper
129 100
127 72.3 37.8 113.4

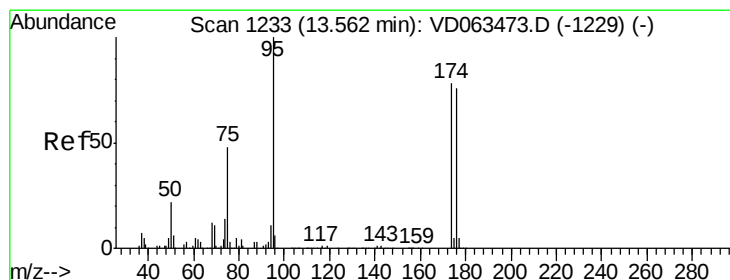
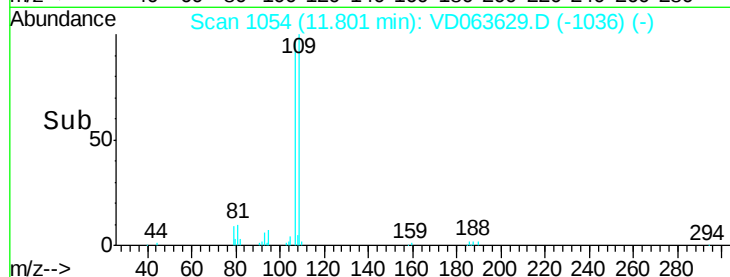
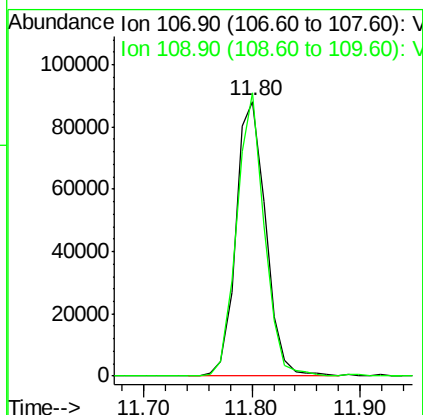
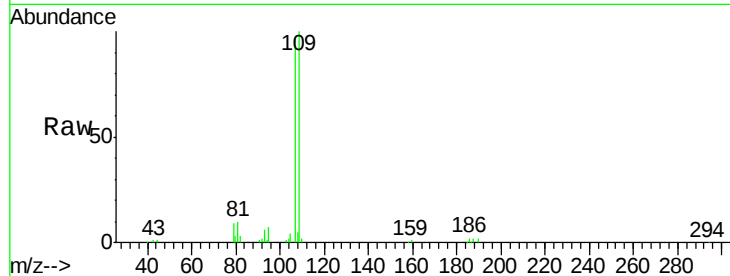




#61
 1,2-Dibromoethane
 Concen: 22.852 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

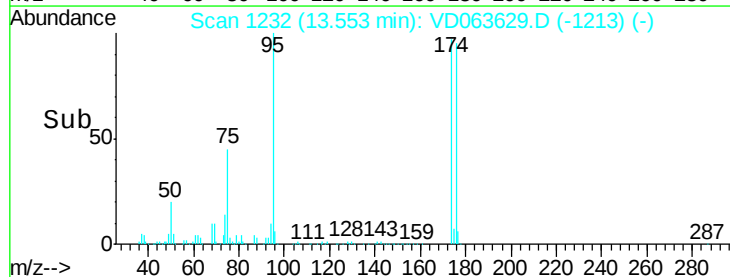
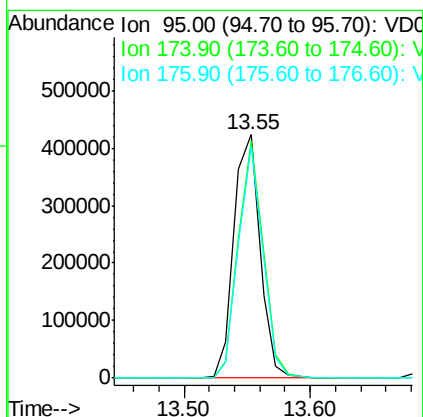
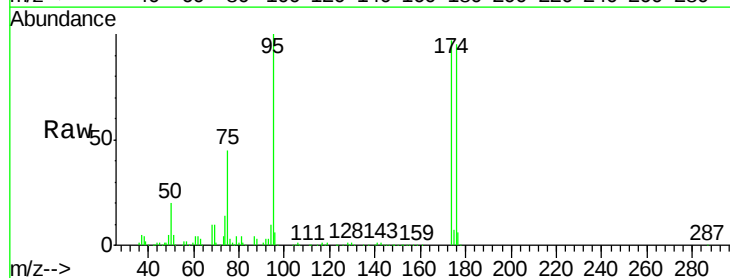
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

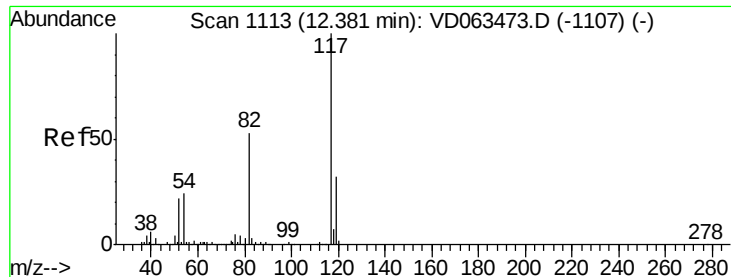
Tot Ion:107 Resp: 168054
 Ion Ratio Lower Upper
 107 100
 109 103.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.470 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion: 95 Resp: 607898
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 155.4
 176 95.4 0.0 152.4

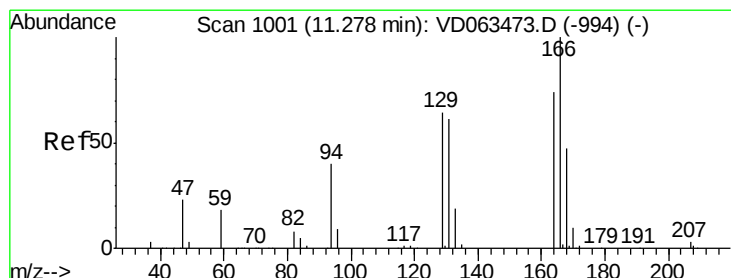
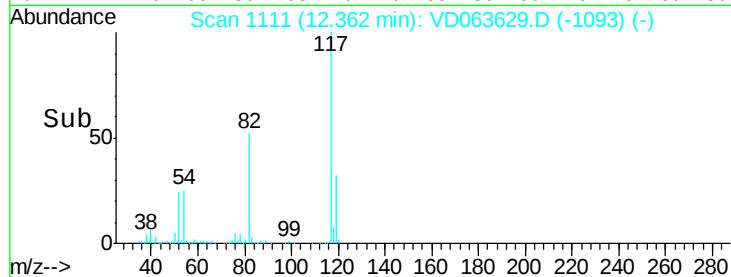
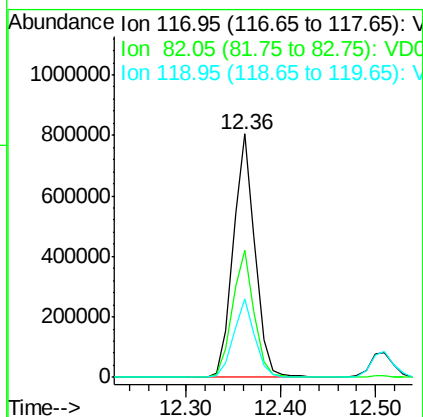
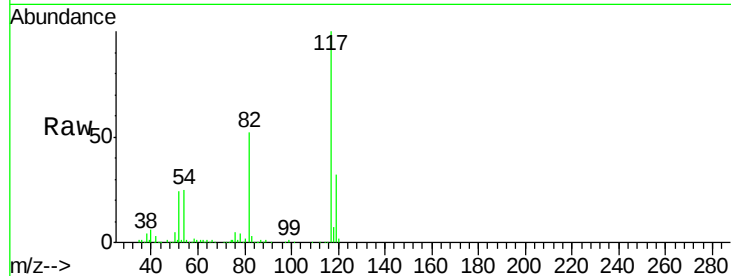




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

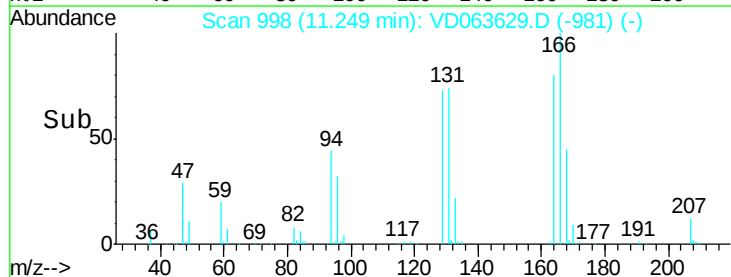
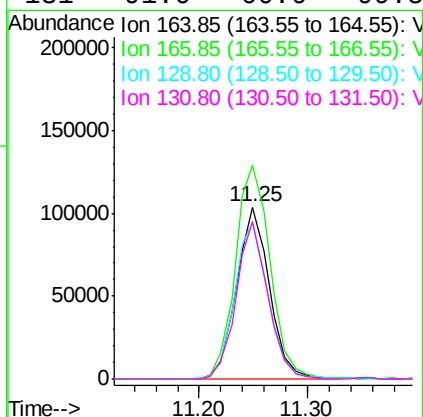
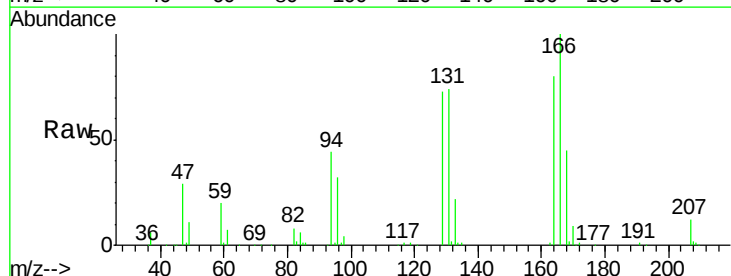
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

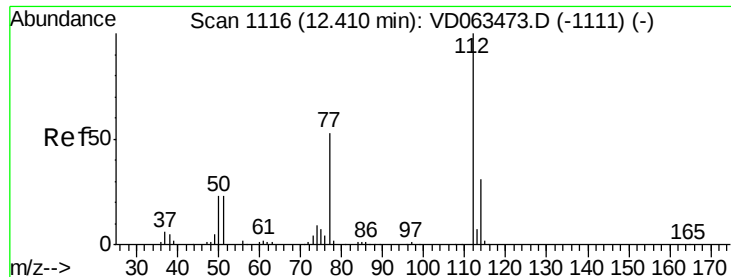
Tot Ion:117 Resp: 1275489
Ion Ratio Lower Upper
117 100
82 52.3 42.0 63.0
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 22.347 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion:164 Resp: 220037
Ion Ratio Lower Upper
164 100
166 124.5 108.6 163.0
129 90.7 69.0 103.6
131 91.6 66.6 99.8

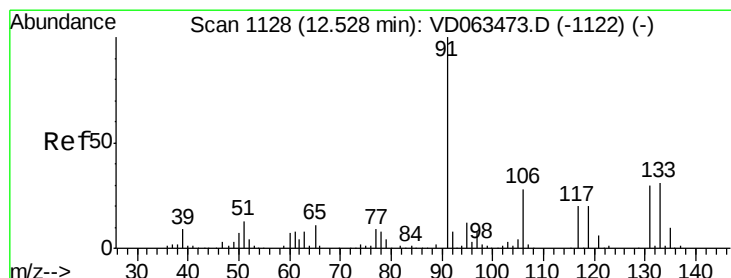
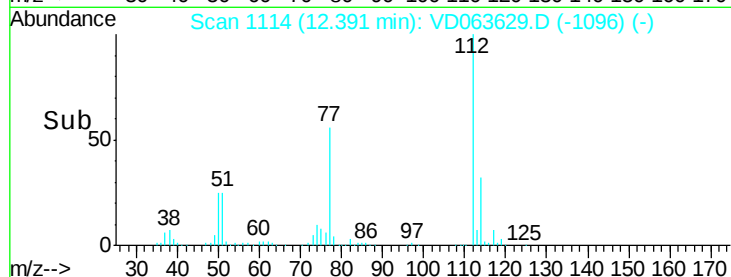
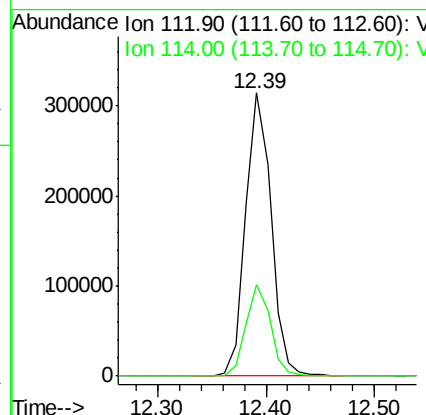
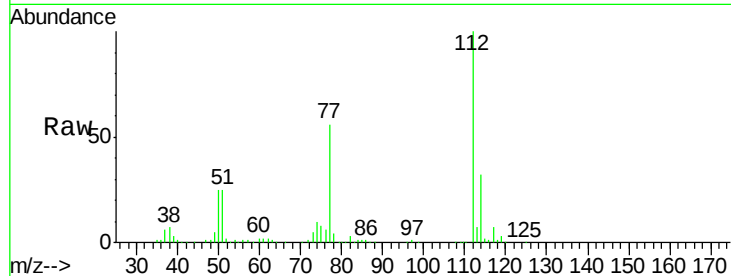




#65
Chlorobenzene
Concen: 21.539 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

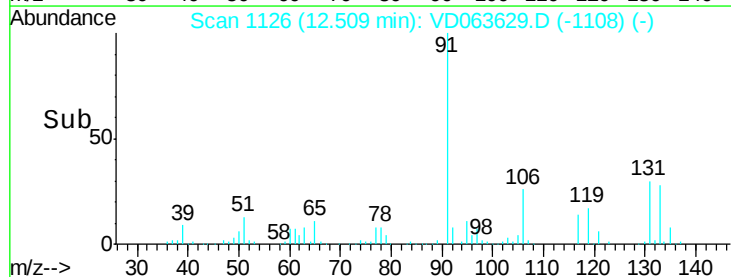
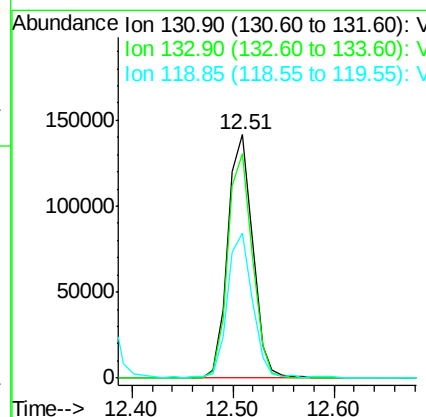
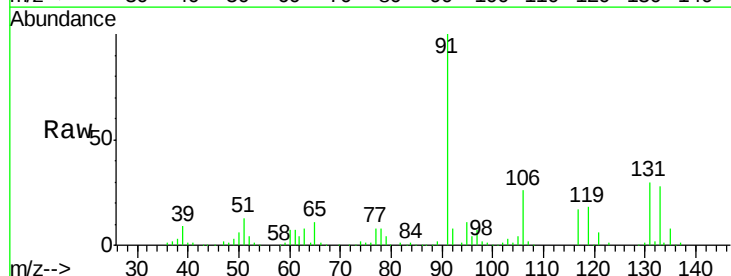
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

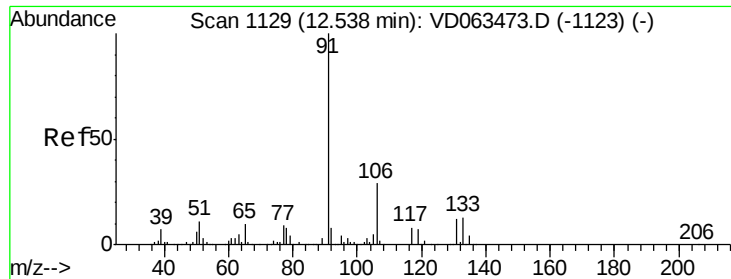
Tot Ion:112 Resp: 514896
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.163 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion:131 Resp: 243691
Ion Ratio Lower Upper
131 100
133 92.3 51.1 153.3
119 59.8 33.1 99.3

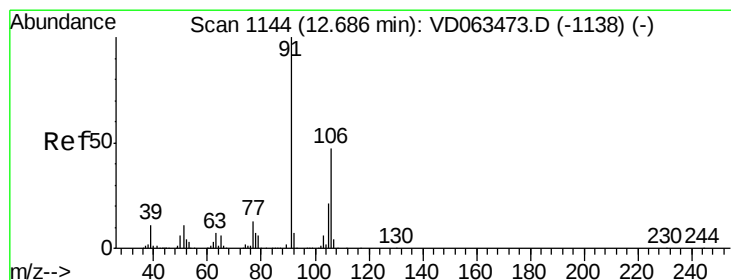
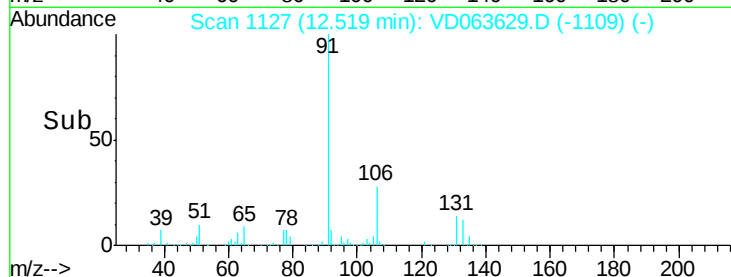
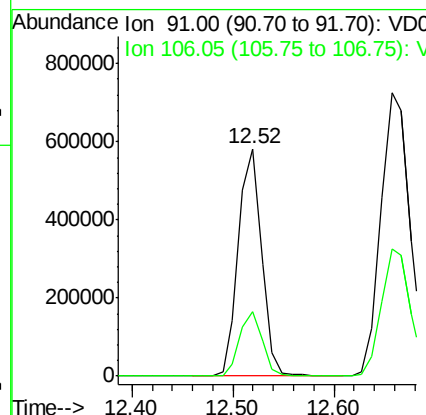
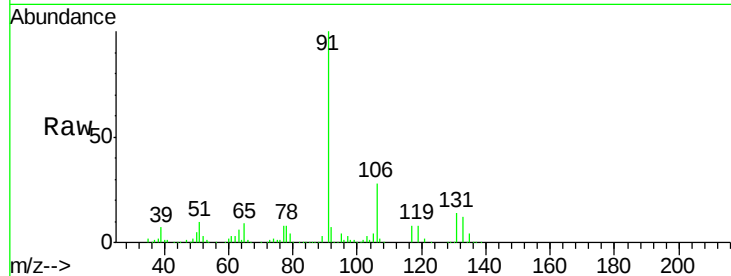




#67
Ethyl Benzene
Concen: 22.484 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

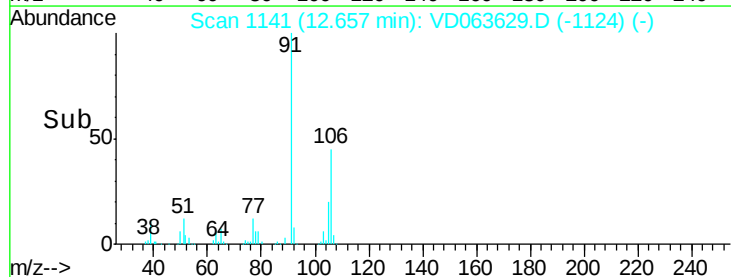
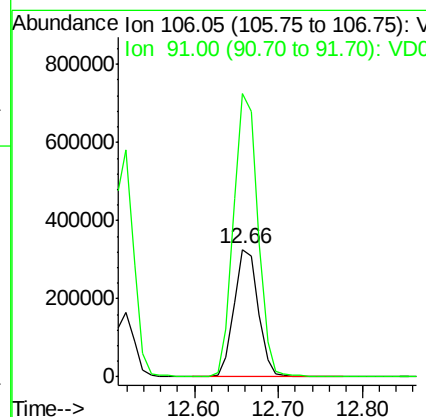
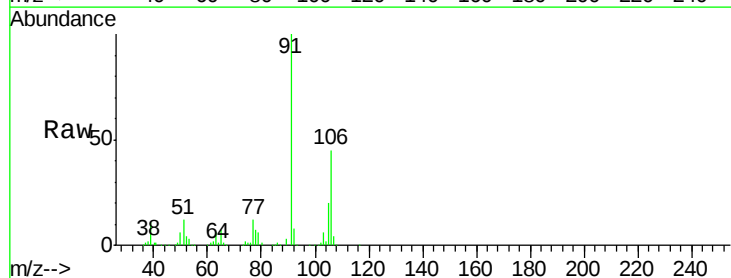
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

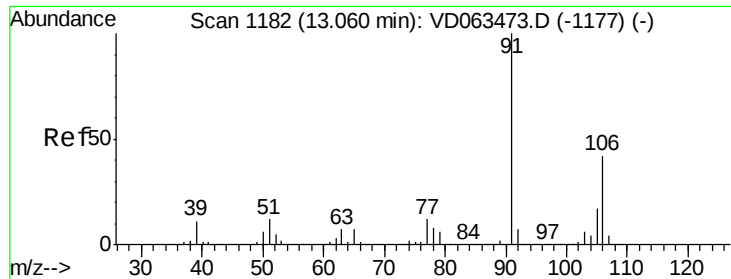
Tot Ion: 91 Resp: 934565
Ion Ratio Lower Upper
91 100
106 28.1 23.1 34.7



#68
m/p-Xylenes
Concen: 44.516 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 106 Resp: 650085
Ion Ratio Lower Upper
106 100
91 222.2 171.8 257.8

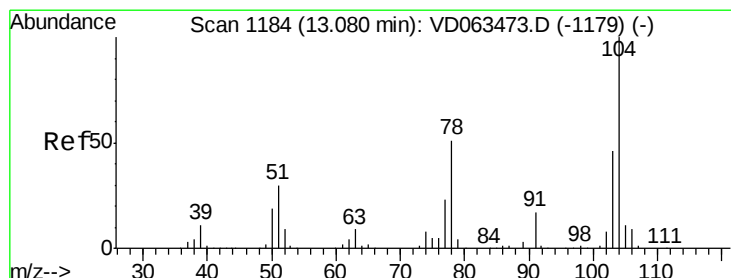
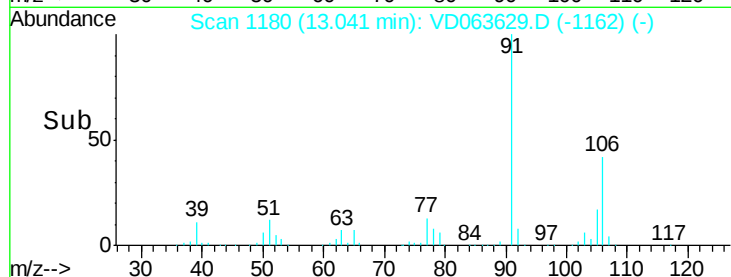
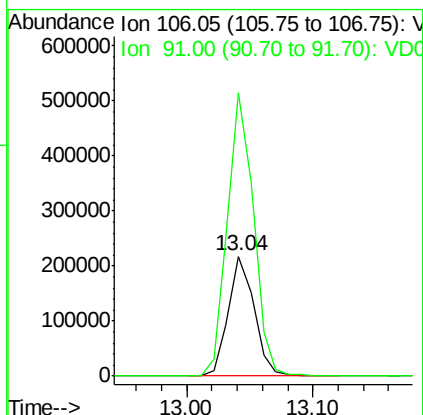
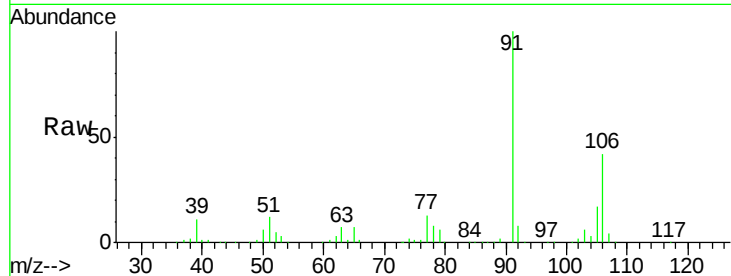




#69
o-Xylene
Concen: 21.908 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

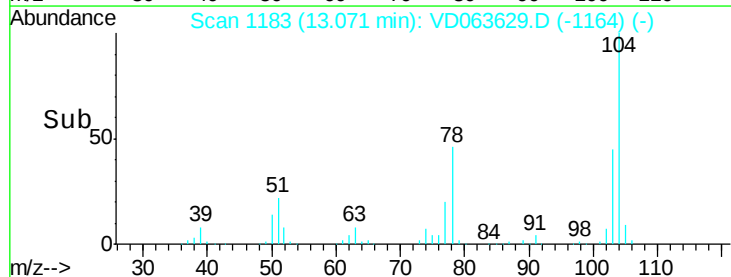
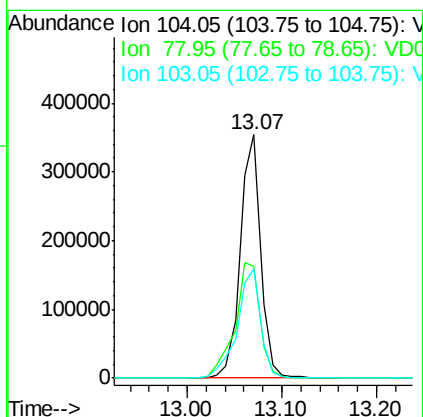
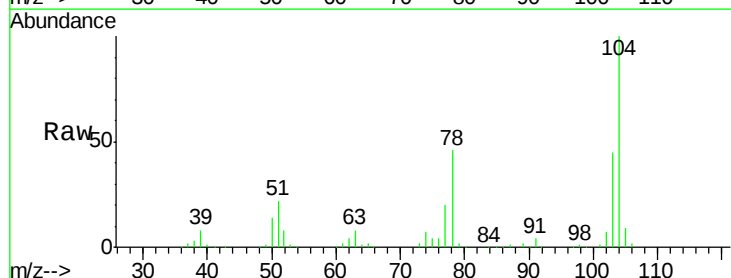
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

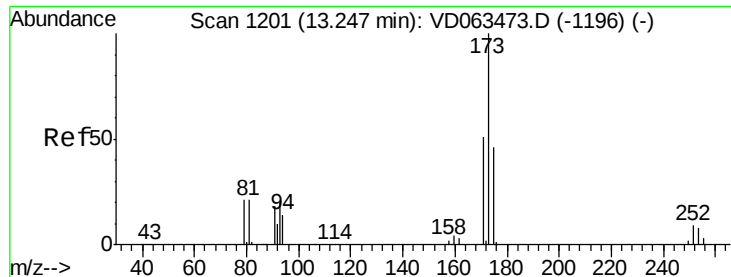
Tot Ion:106 Resp: 307930
Ion Ratio Lower Upper
106 100
91 236.3 118.1 354.2



#70
Styrene
Concen: 21.075 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion:104 Resp: 526916
Ion Ratio Lower Upper
104 100
78 46.0 40.8 61.2
103 44.7 36.4 54.6

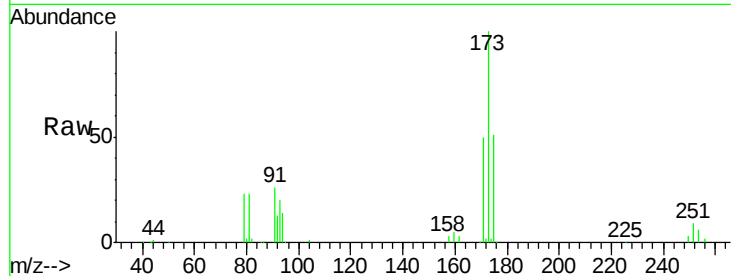




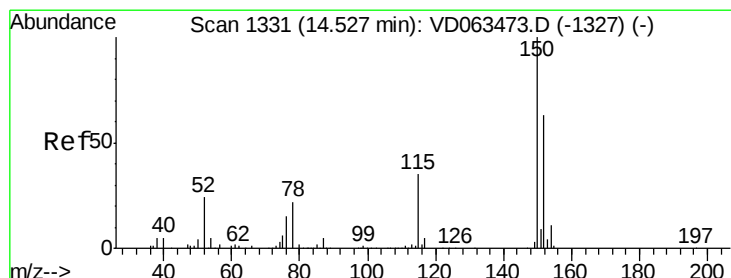
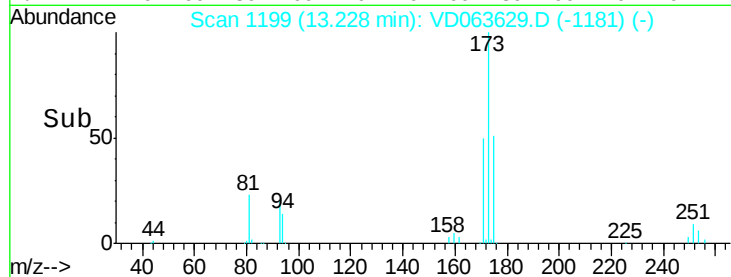
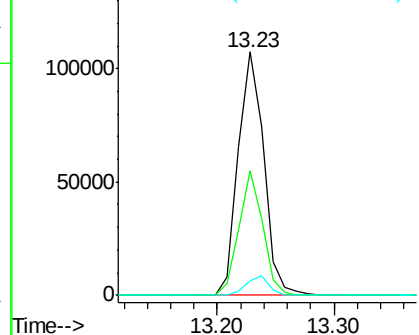
#71
Bromoform
Concen: 22.765 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tot Ion:173 Resp: 164230
Ion Ratio Lower Upper
173 100
175 51.3 22.8 68.3
254 5.8 6.6 9.8#

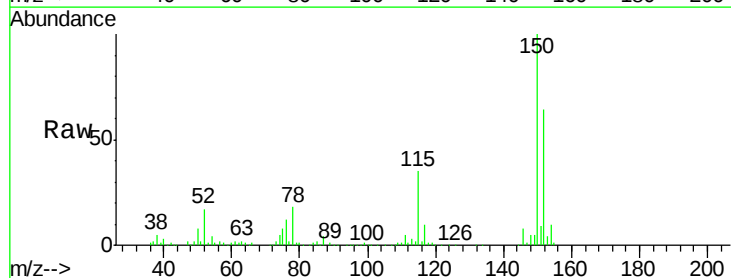


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

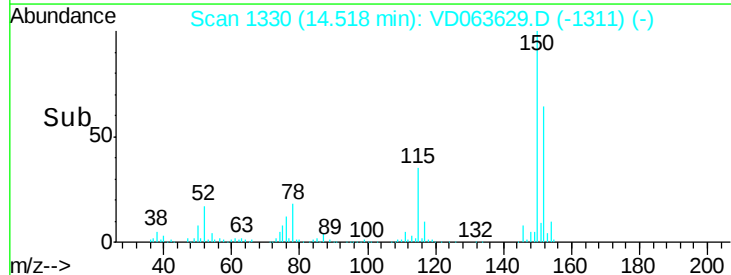
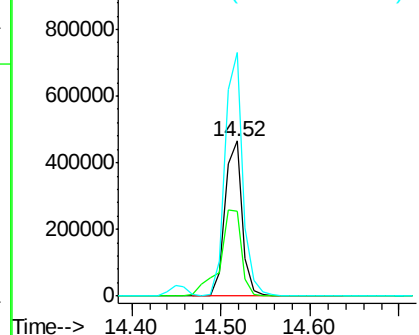


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion:152 Resp: 636745
Ion Ratio Lower Upper
152 100
115 54.8 30.9 92.7
150 157.1 0.0 318.6



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

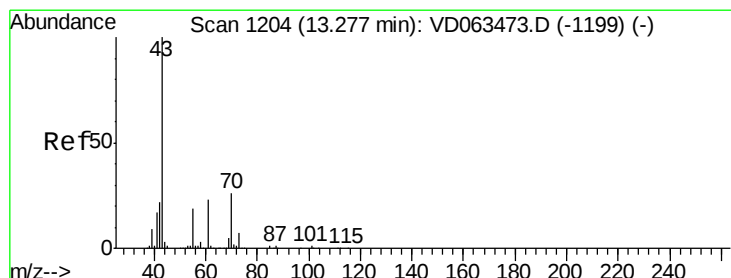
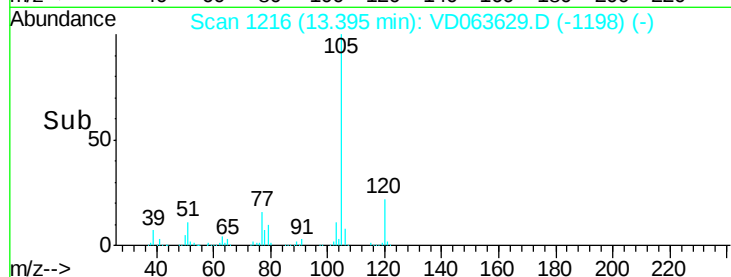
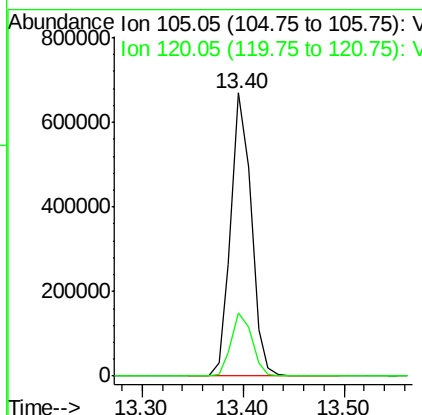
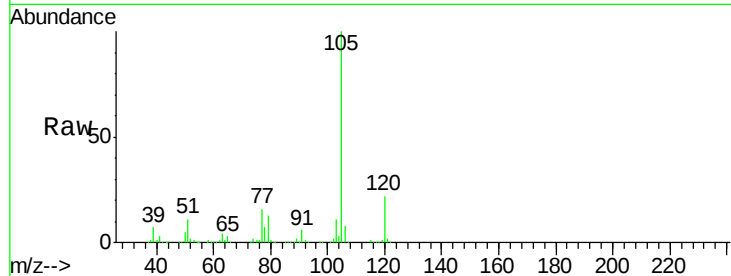




#73
Isopropylbenzene
Concen: 23.306 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

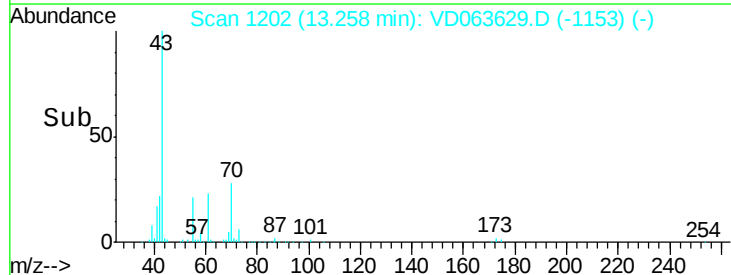
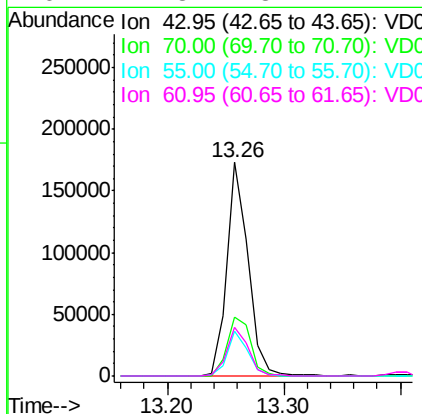
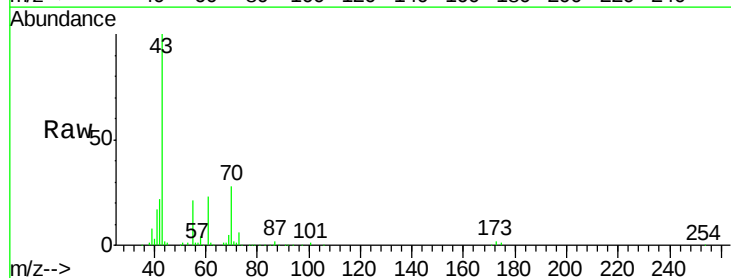
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

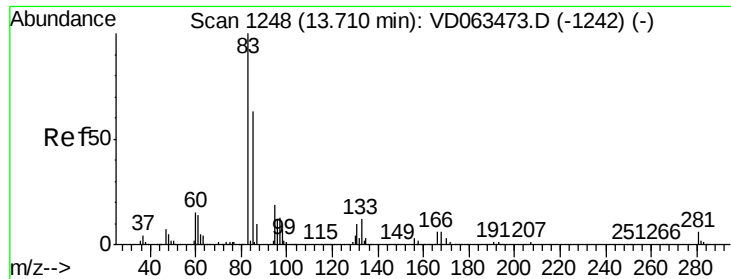
Tot Ion:105 Resp: 943918
Ion Ratio Lower Upper
105 100
120 22.5 11.9 35.9



#74
N-ethyl acetate
Concen: 21.518 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 43 Resp: 218775
Ion Ratio Lower Upper
43 100
70 27.8 21.1 31.7
55 20.7 15.4 23.0
61 22.8 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.855 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

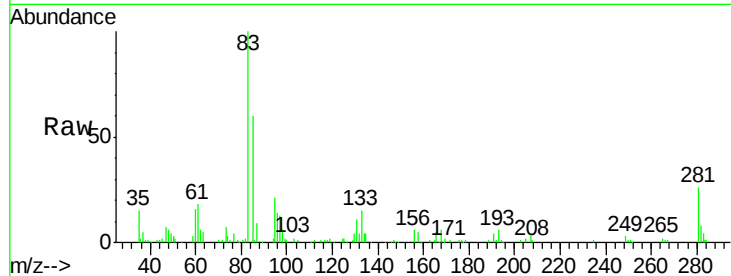
Tot Ion: 83 Resp: 153637

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

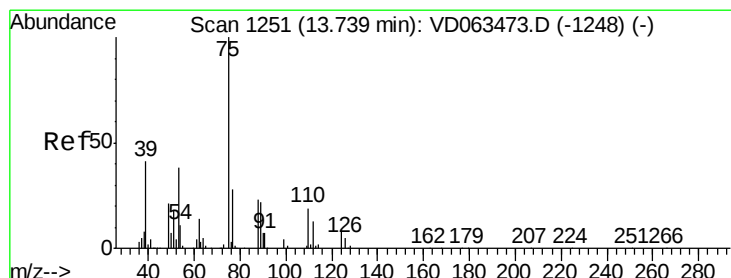
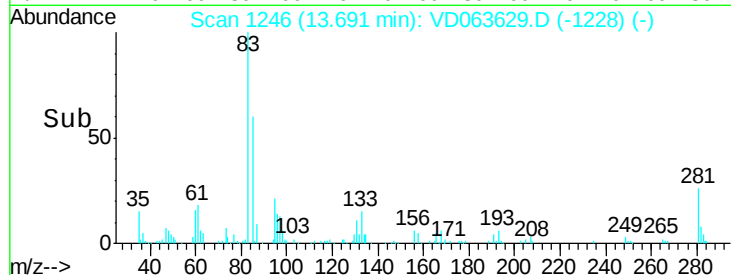
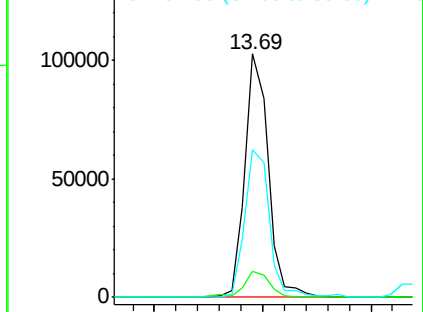
85 60.4 31.4 94.3



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: 24.685 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063629.D

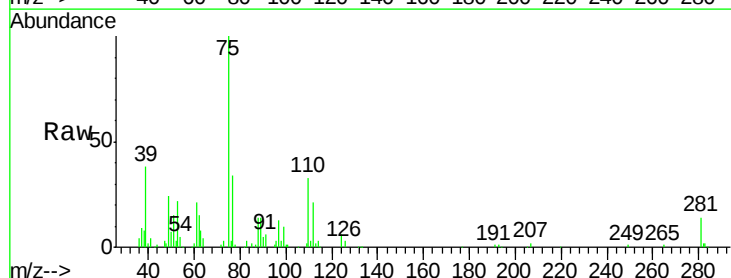
Acq: 16 Aug 2019 11:17

Tgt Ion: 75 Resp: 180388

Ion Ratio Lower Upper

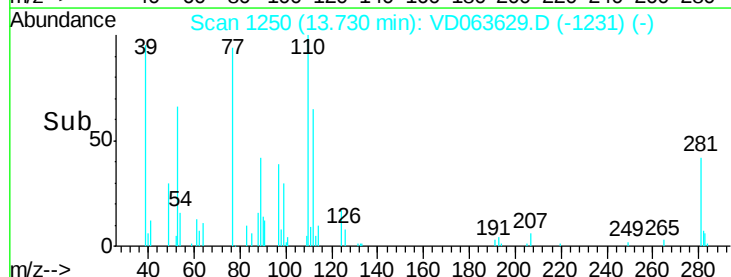
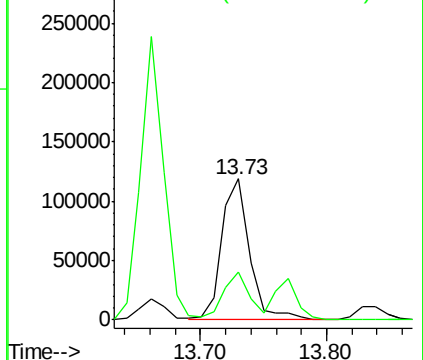
75 100

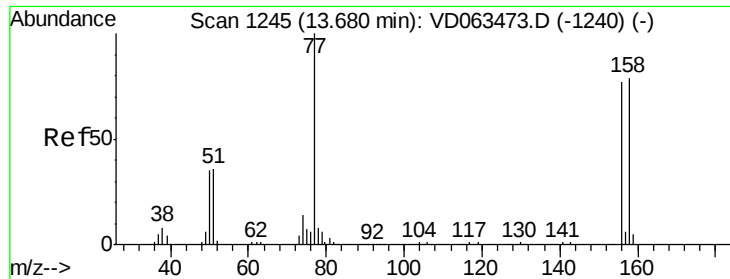
77 33.5 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

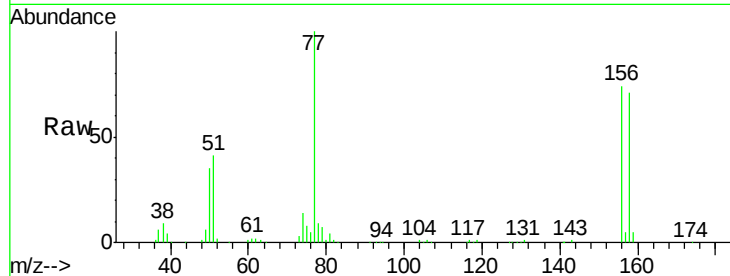




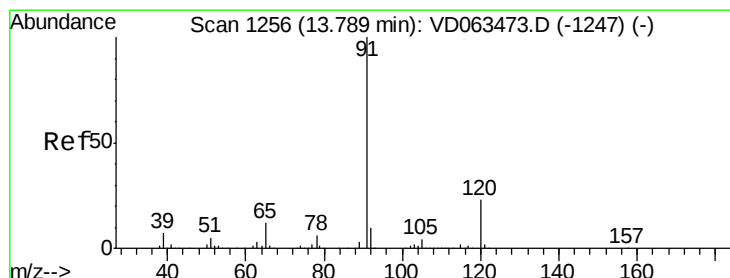
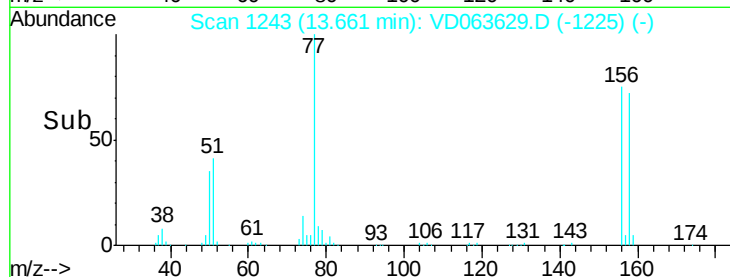
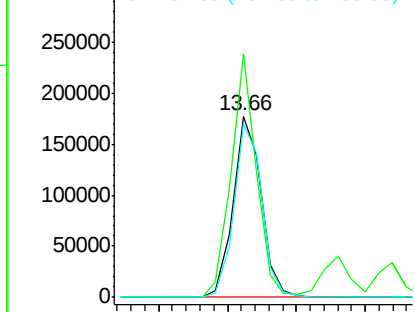
#77
Bromobenzene
Concen: 22.749 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tot Ion:156 Resp: 251805
Ion Ratio Lower Upper
156 100
77 134.3 64.6 193.8
158 95.8 50.9 152.7

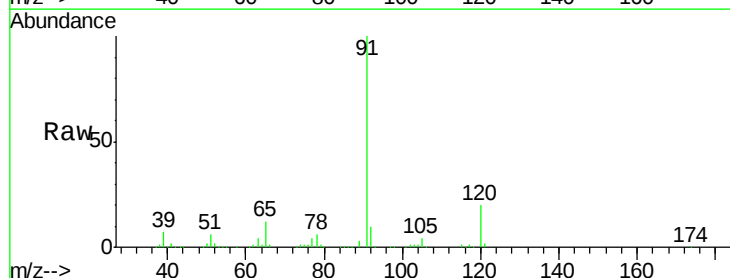


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

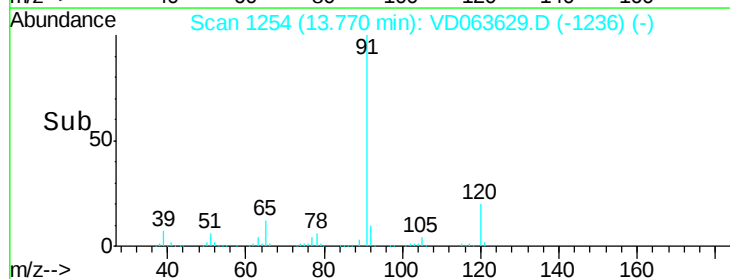
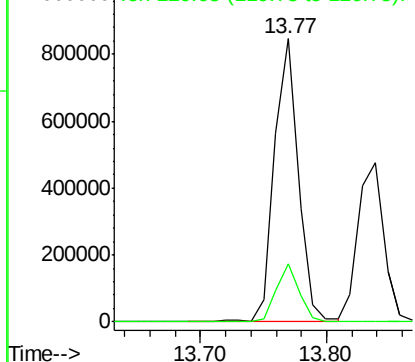


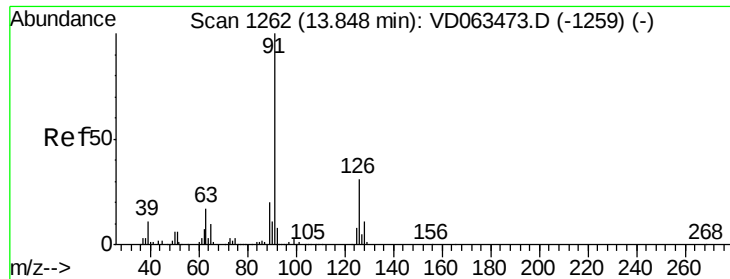
#78
n-propylbenzene
Concen: 23.745 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 91 Resp: 1125212
Ion Ratio Lower Upper
91 100
120 20.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

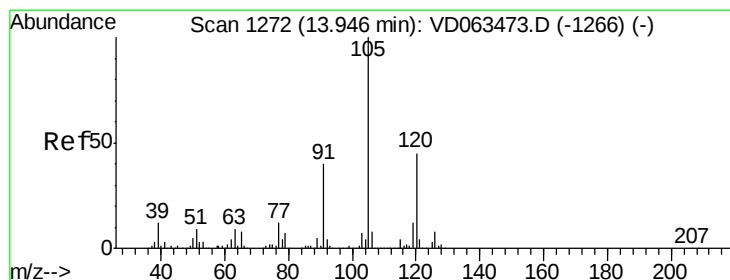
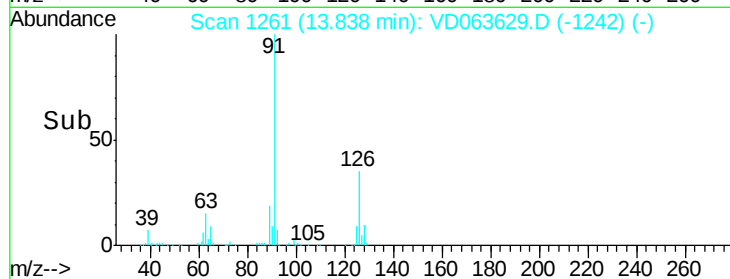
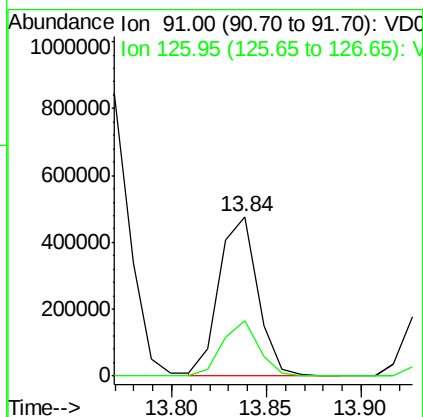
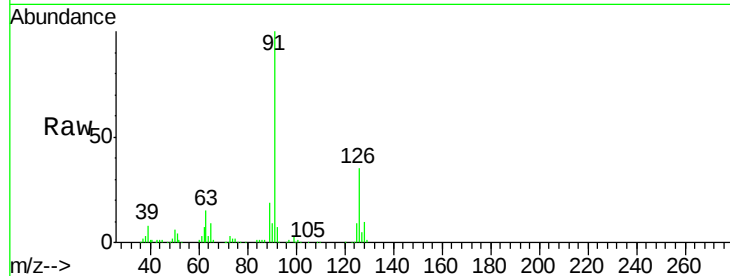




#79
2-Chlorotoluene
Concen: 24.571 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

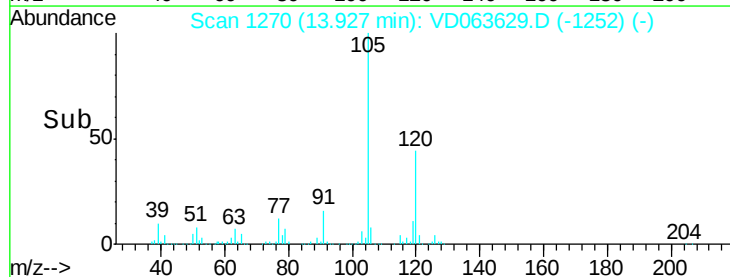
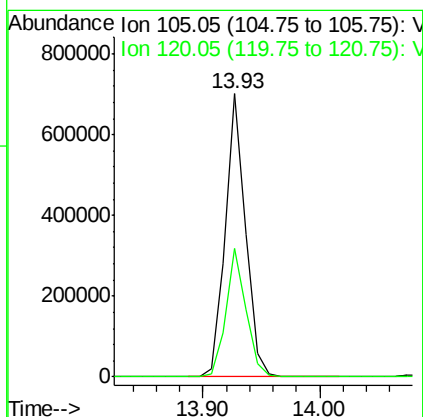
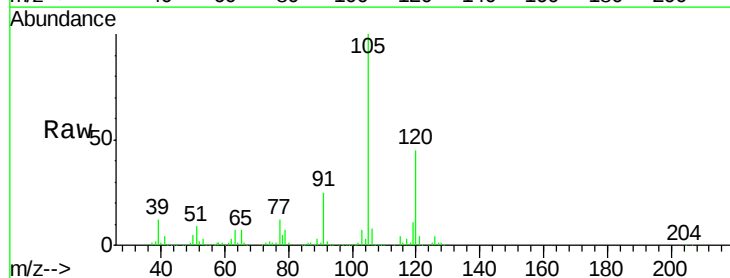
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

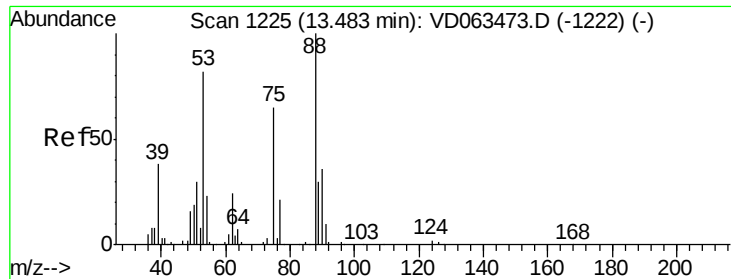
Tot Ion: 91 Resp: 671345
Ion Ratio Lower Upper
91 100
126 35.0 15.6 46.7



#80
1,3,5-Trimethylbenzene
Concen: 23.795 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 105 Resp: 842021
Ion Ratio Lower Upper
105 100
120 45.3 22.8 68.3

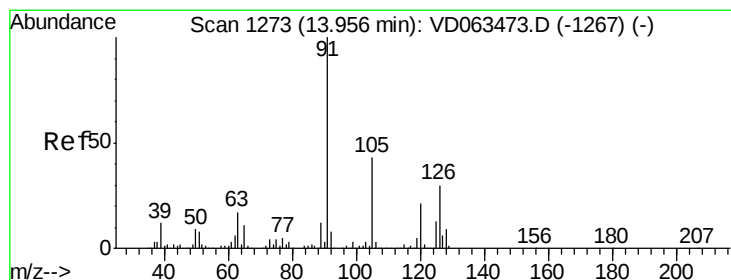
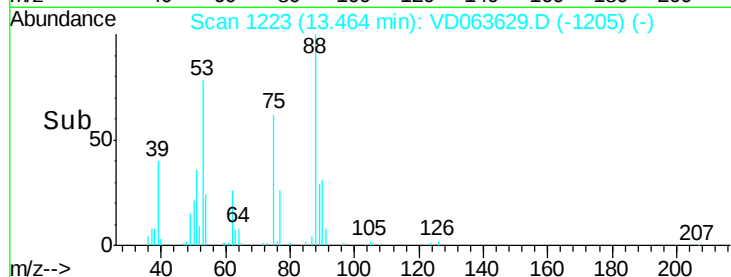
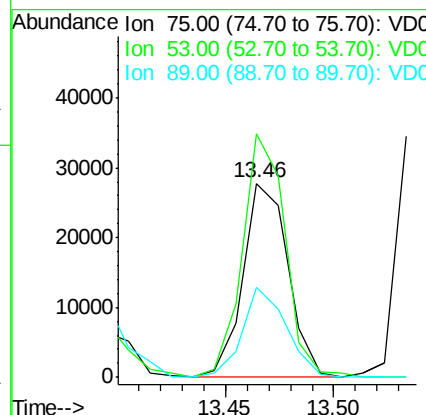
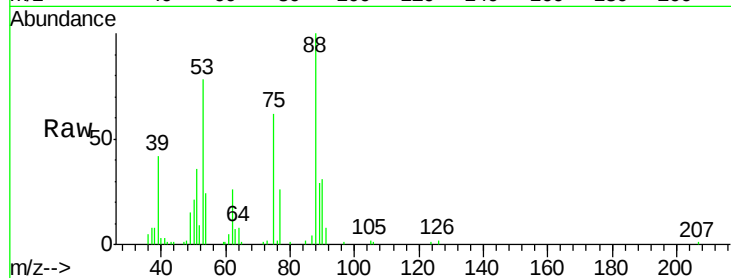




#81
trans-1,4-Dichloro-2-butene
Concen: 20.683 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

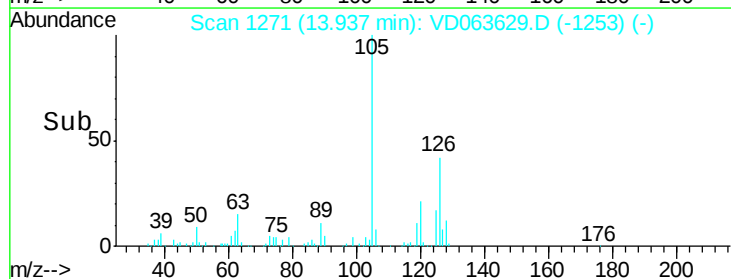
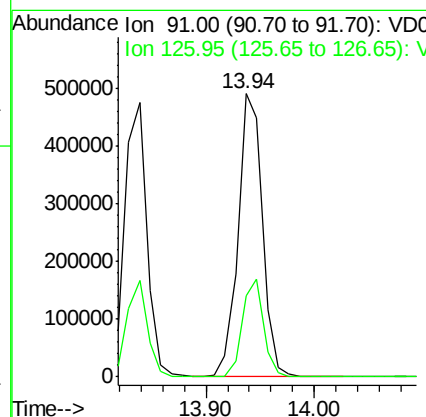
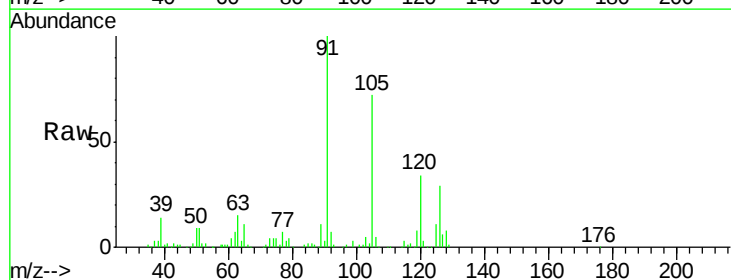
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

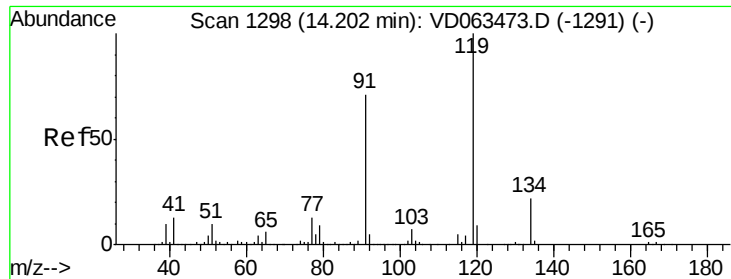
Tot Ion: 75 Resp: 40623
Ion Ratio Lower Upper
75 100
53 125.5 101.0 151.4
89 46.7 37.0 55.6



#82
4-Chlorotoluene
Concen: 23.285 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion: 91 Resp: 765035
Ion Ratio Lower Upper
91 100
126 28.6 15.2 45.6

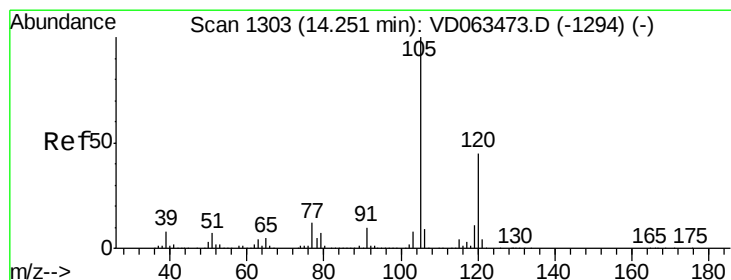
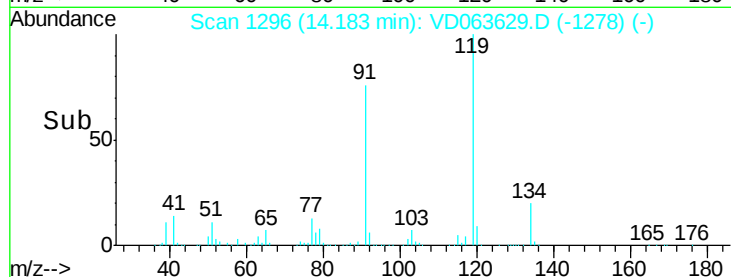
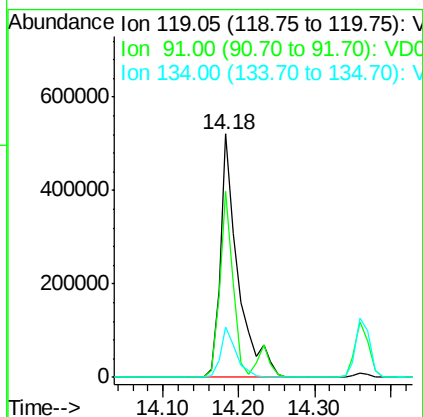
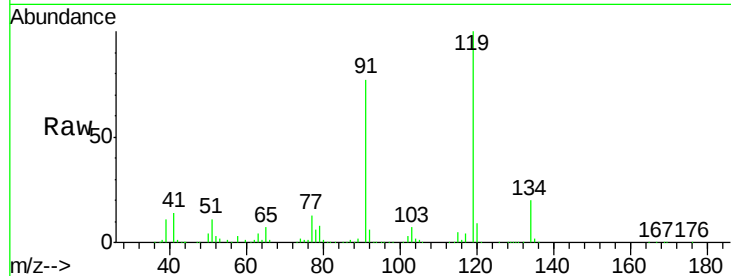




#83
 tert-Butylbenzene
 Concen: 23.015 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

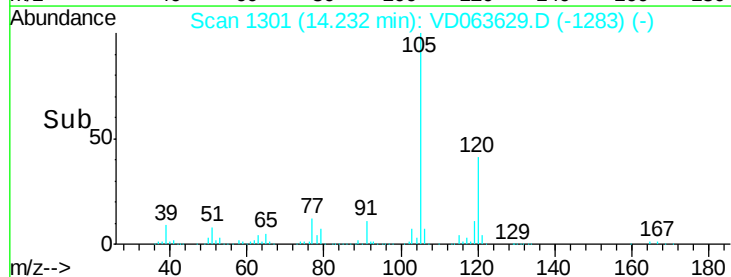
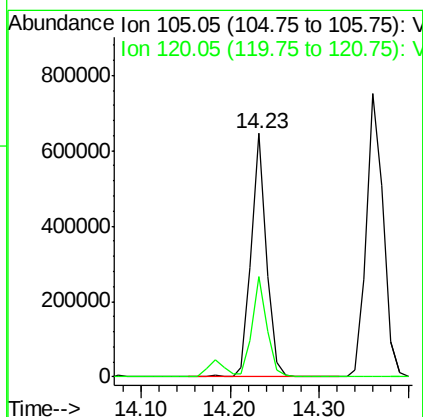
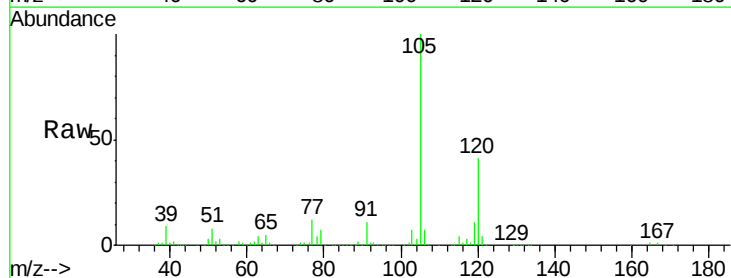
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

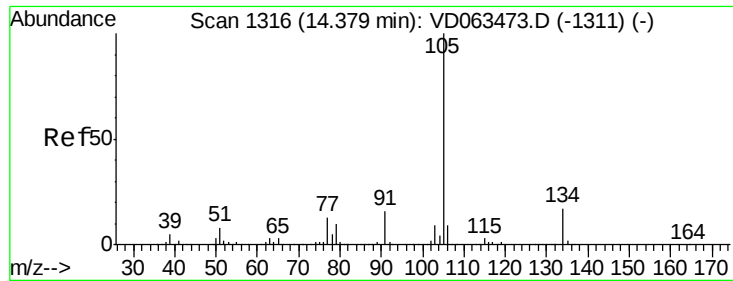
Tot Ion:119 Resp: 857625
 Ion Ratio Lower Upper
 119 100
 91 76.6 35.5 106.7
 134 20.5 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.244 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion:105 Resp: 761048
 Ion Ratio Lower Upper
 105 100
 120 41.3 22.7 68.1

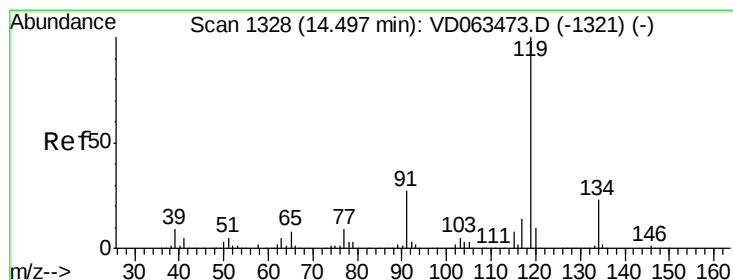
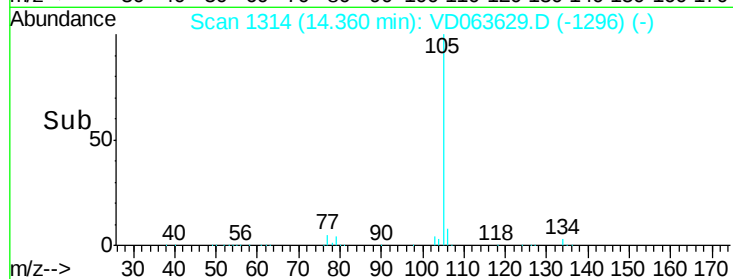
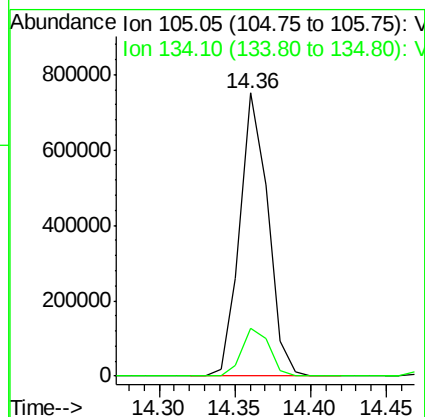
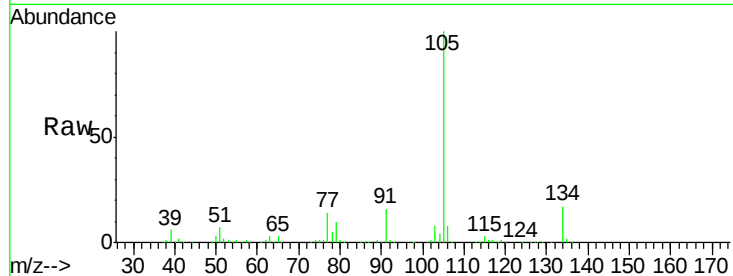




#85
 sec-Butylbenzene
 Concen: 24.548 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

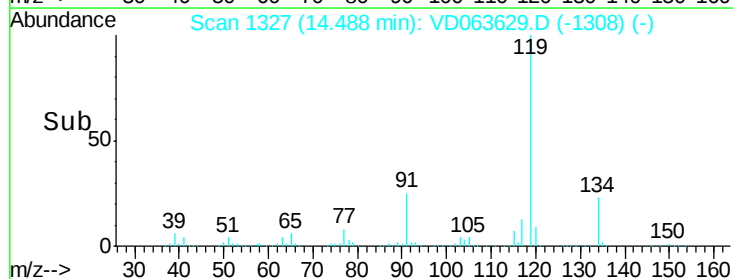
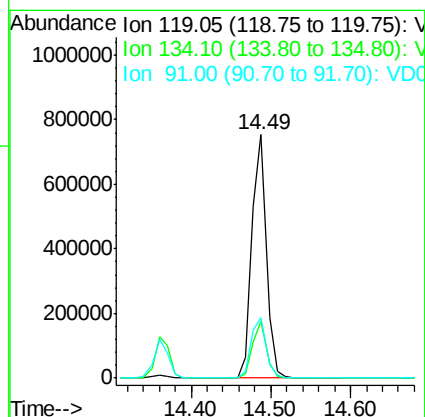
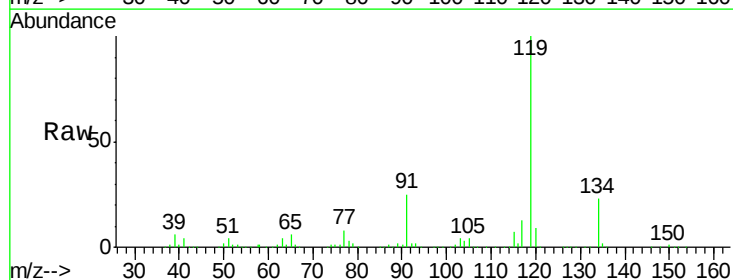
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

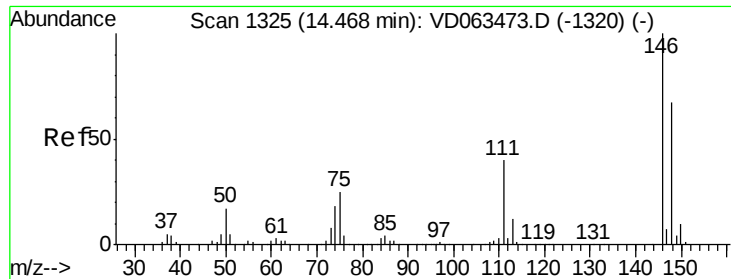
Tot Ion:105 Resp: 971432
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 24.638 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion:119 Resp: 932237
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.3 33.8
 91 24.7 13.5 40.4

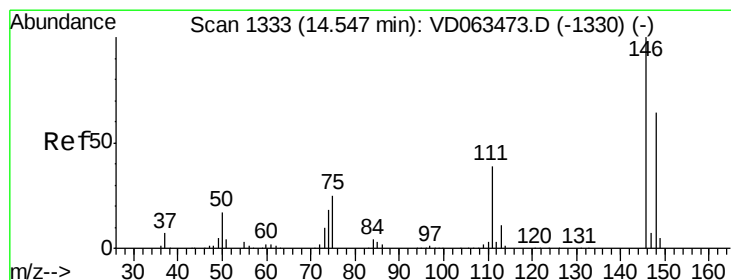
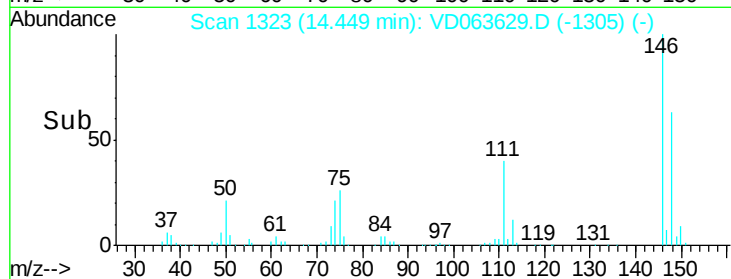
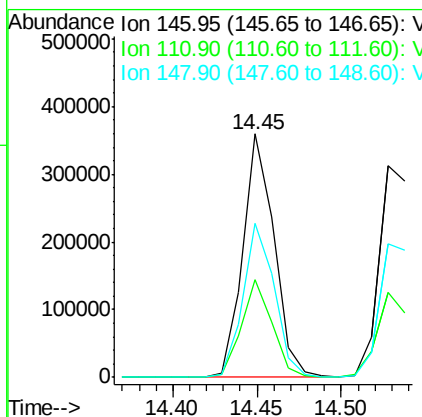
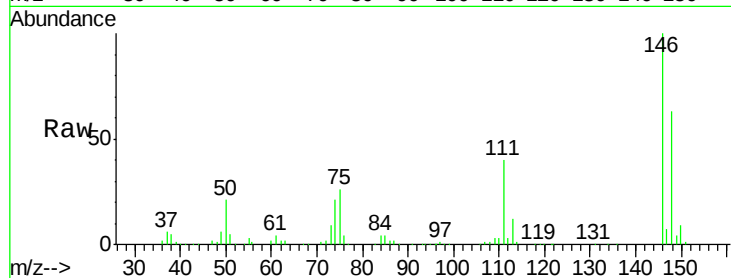




#87
 1,3-Dichlorobenzene
 Concen: 23.136 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

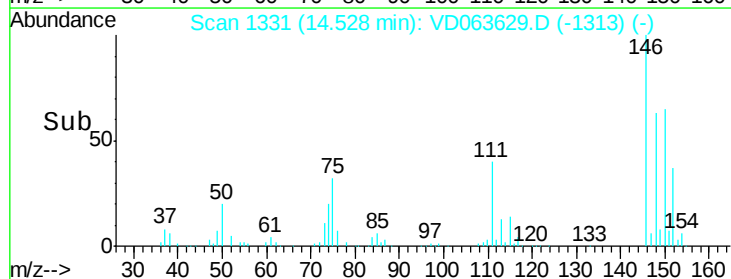
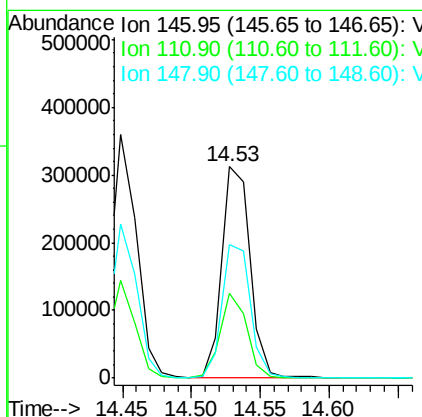
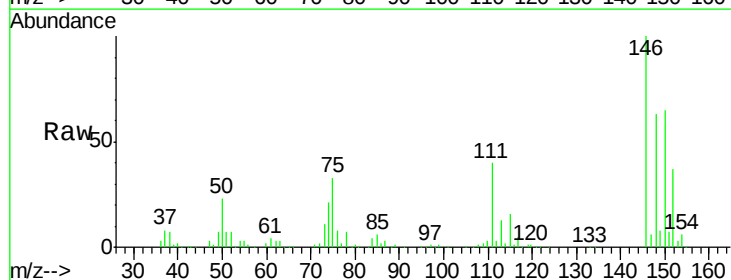
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

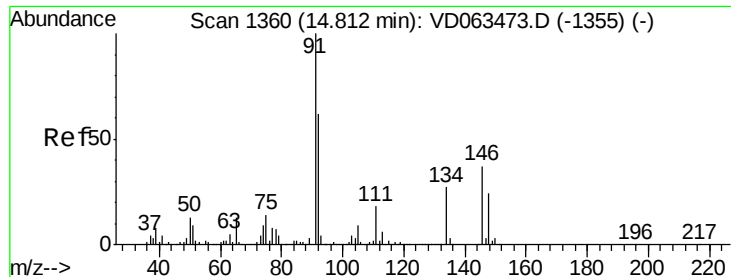
Tot Ion:146 Resp: 463222
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 60.0
 148 63.5 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 23.163 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion:146 Resp: 444936
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.7 59.0
 148 63.1 32.1 96.3





#89

n-Butylbenzene

Concen: 24.073 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063629.D

Acq: 16 Aug 2019 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

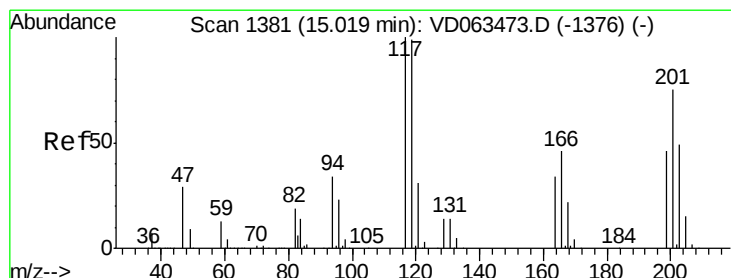
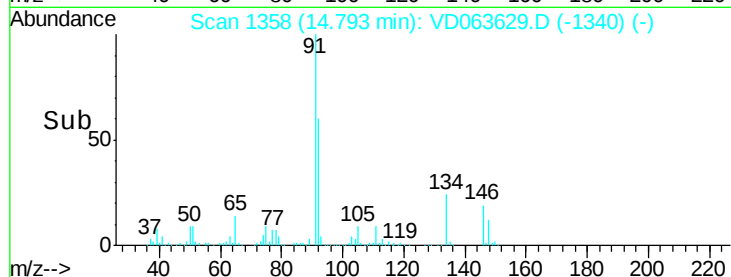
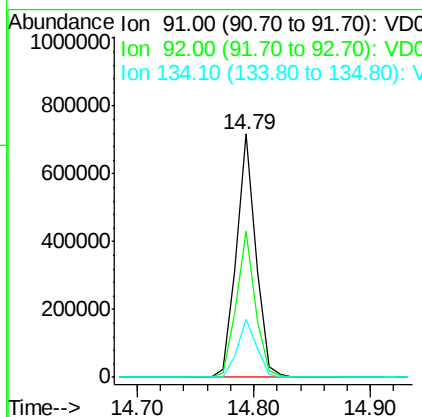
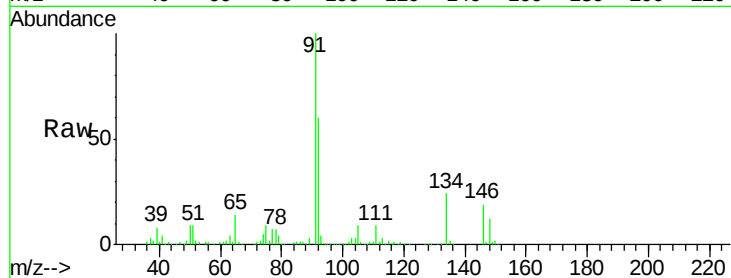
Tot Ion: 91 Resp: 831327

Ion Ratio Lower Upper

91 100

92 60.2 30.8 92.3

134 23.9 13.4 40.2



#90

Hexachloroethane

Concen: 23.132 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063629.D

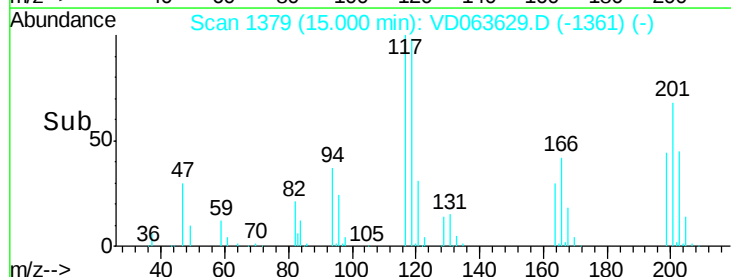
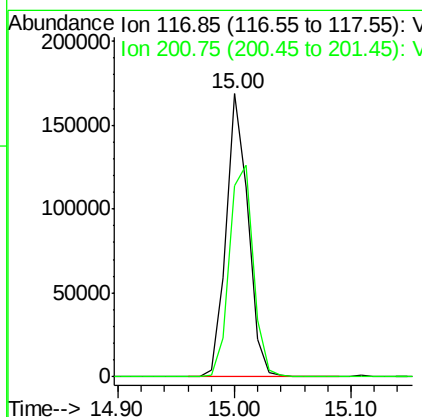
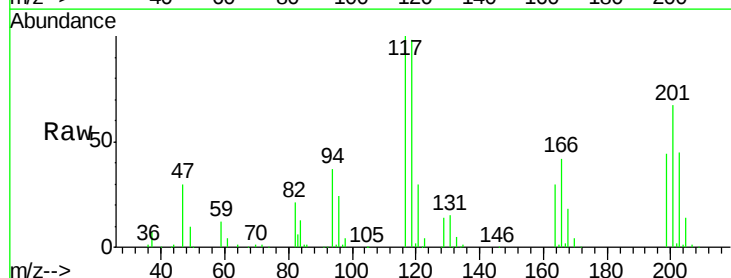
Acq: 16 Aug 2019 11:17

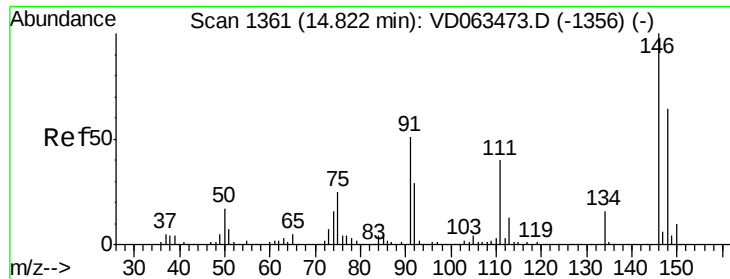
Tgt Ion: 117 Resp: 219999

Ion Ratio Lower Upper

117 100

201 67.4 37.5 112.5

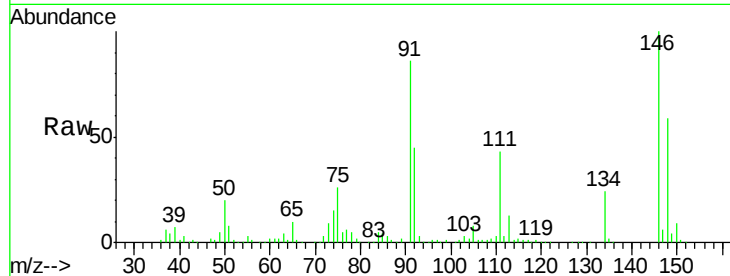




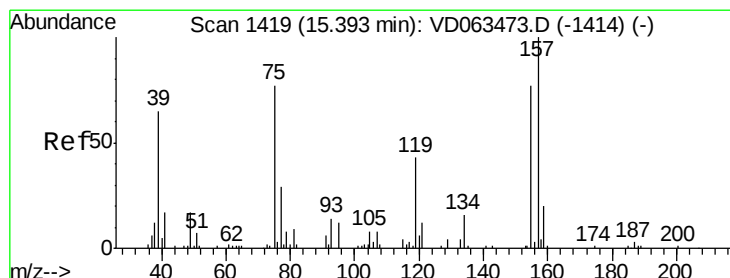
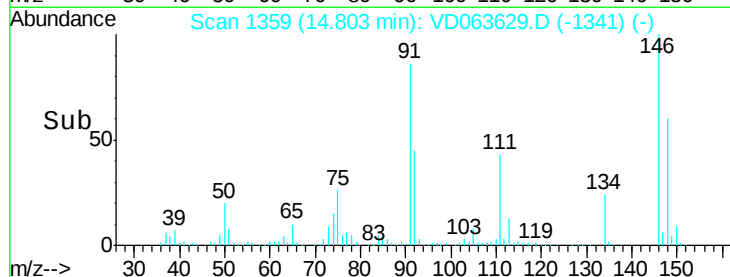
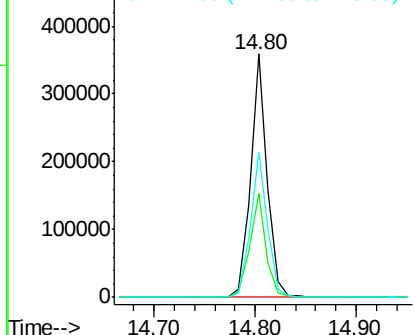
#91
 1,2-Dichlorobenzene
 Concen: 24.150 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tot Ion:146 Resp: 410236
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.2 60.6
 148 59.5 32.1 96.5

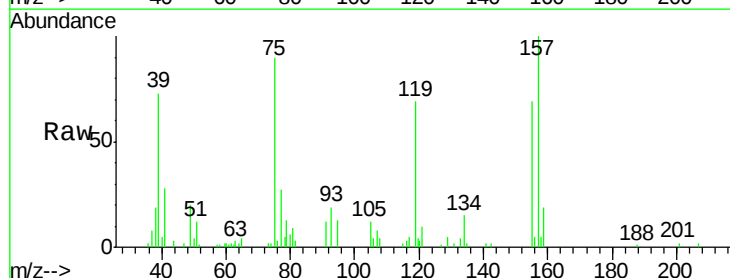


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

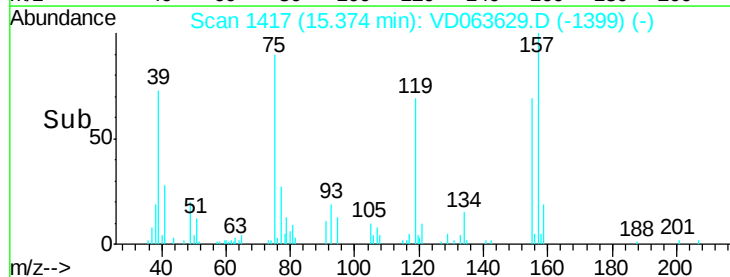
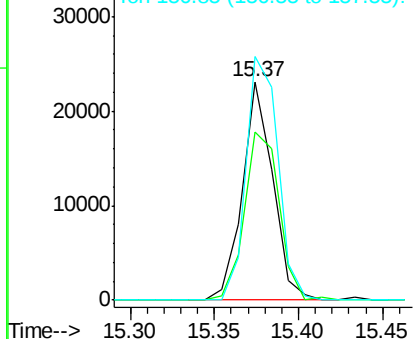


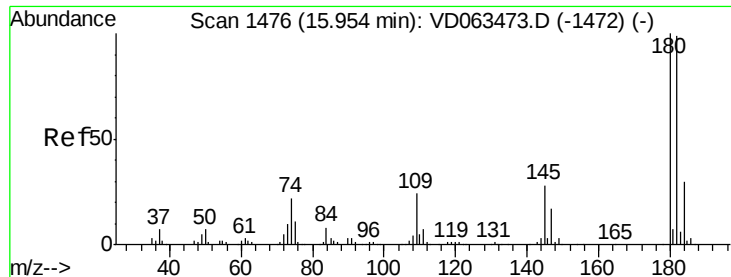
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.812 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion: 75 Resp: 28875
 Ion Ratio Lower Upper
 75 100
 155 76.9 50.1 150.3
 157 111.7 65.0 195.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

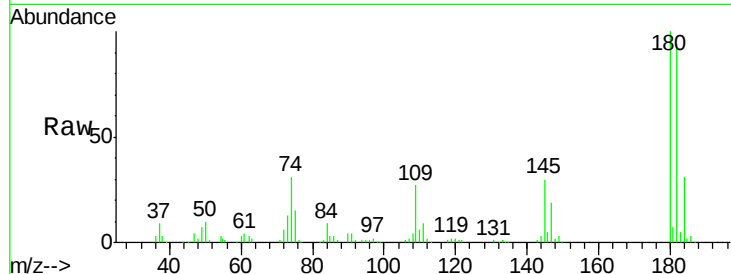




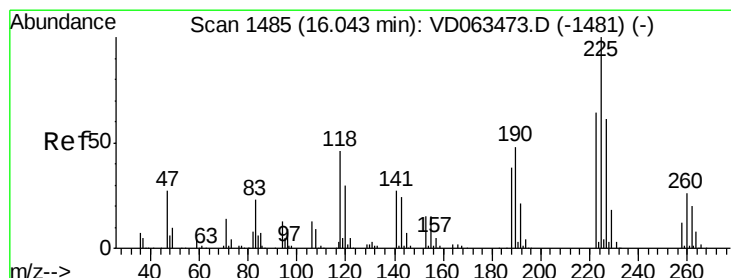
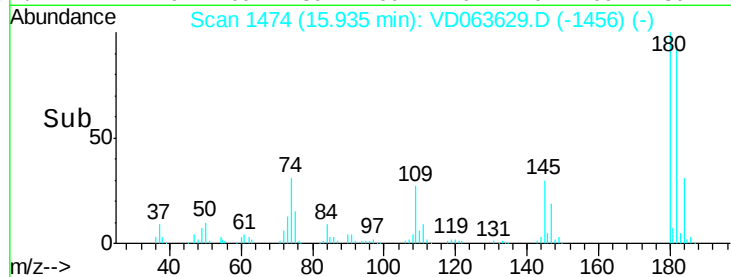
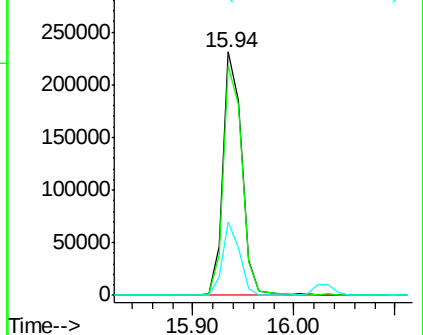
#93
 1,2,4-Trichlorobenzene
 Concen: 24.123 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	49.7	149.1
145	30.3	14.1	42.2

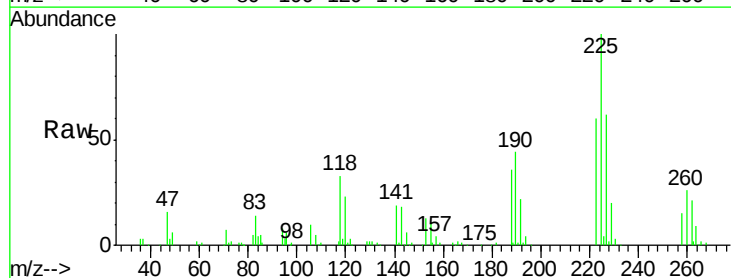


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

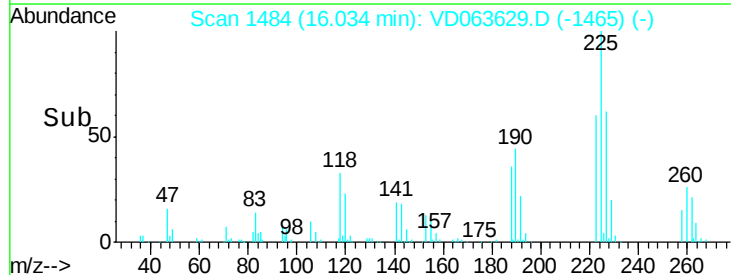
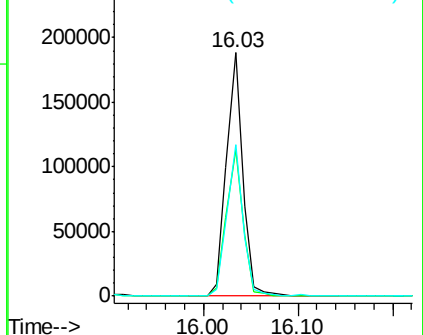


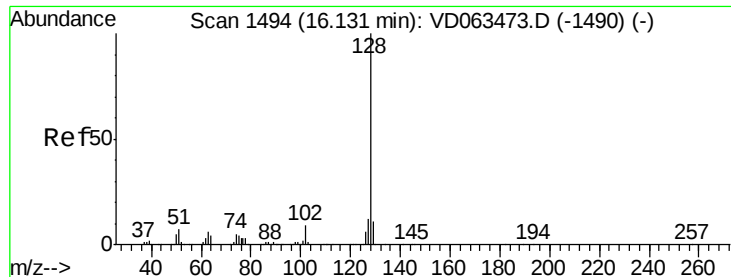
#94
 Hexachlorobutadiene
 Concen: 23.710 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063629.D
 Acq: 16 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.9	95.5
227	62.0	30.7	92.1



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

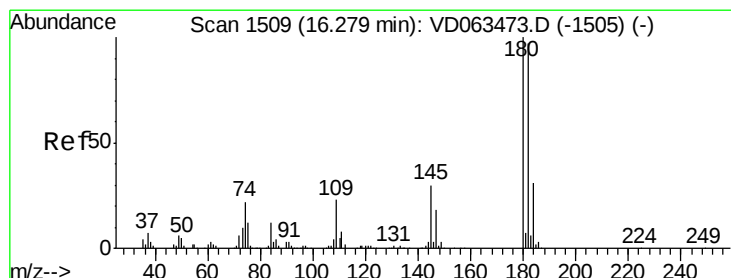
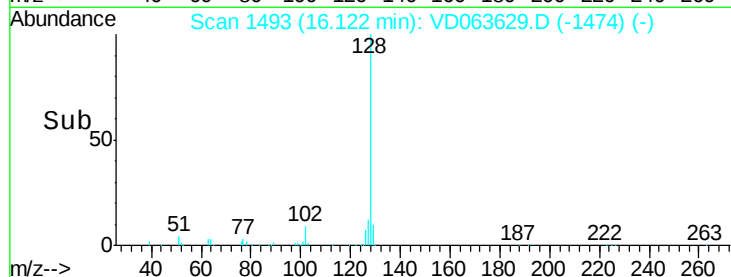
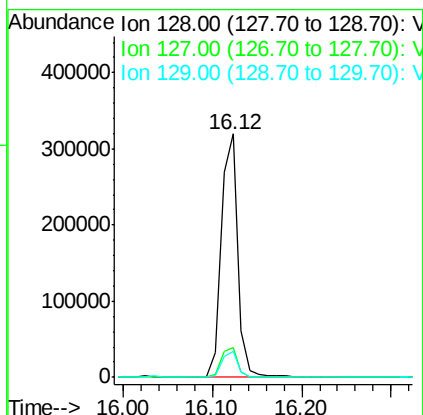
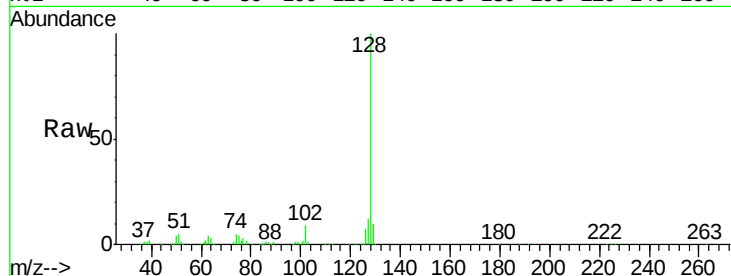




#95
Naphthalene
Concen: 22.030 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tot Ion:128 Resp: 417317
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.0
129 10.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 23.304 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063629.D
Acq: 16 Aug 2019 11:17

Tgt Ion:180 Resp: 235271
Ion Ratio Lower Upper
180 100
182 93.0 48.4 145.2
145 26.4 14.9 44.9

