

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063288.D
 Acq On : 1 Aug 2019 11:56
 Operator : VA/AP
 Sample : VD0801SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBSD01

Quant Time: Aug 02 07:23:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1043928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1505602	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1198117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	673949	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	558495	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
35) Dibromofluoromethane	6.92	113	631048	49.09	ug/l	0.00
Spiked Amount						
			Recovery	=	98.18%	
50) Toluene-d8	10.40	98	1370516	47.64	ug/l	0.00
Spiked Amount						
			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	13.55	95	617387	47.09	ug/l	0.00
Spiked Amount						
			Recovery	=	94.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	275120	21.560	ug/l	94
3) Chloromethane	1.74	50	210182	21.200	ug/l	97
4) Vinyl Chloride	1.84	62	216021	21.048	ug/l	94
5) Bromomethane	2.13	94	86157	16.644	ug/l	94
6) Chloroethane	2.24	64	96625	20.391	ug/l	91
7) Trichlorofluoromethane	2.52	101	401767	20.178	ug/l	95
8) Diethyl Ether	2.86	74	50026	17.952	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.13	101	240901	21.841	ug/l	98
10) Methyl Iodide	3.29	142	288355	18.098	ug/l	94
11) Tert butyl alcohol	4.07	59	40721	80.107	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	179491	22.167	ug/l	90
13) Acrolein	3.03	56	42896	87.682	ug/l	93
14) Allyl chloride	3.60	41	264102	20.475	ug/l	96
15) Acrylonitrile	4.19	53	120257	91.249	ug/l	96
16) Acetone	3.21	43	204406	90.570	ug/l	100
17) Carbon Disulfide	3.35	76	543801	20.065	ug/l #	94
18) Methyl Acetate	3.63	43	86952	20.058	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	347634	19.007	ug/l	99
20) Methylene Chloride	3.80	84	183896	20.158	ug/l	88
21) trans-1,2-Dichloroethene	4.20	96	183910	20.243	ug/l	97
22) Diisopropyl ether	5.11	45	529490	20.546	ug/l	98
23) Vinyl Acetate	5.04	43	1539784	97.200	ug/l	99
24) 1,1-Dichloroethane	4.97	63	333899	20.284	ug/l	96
25) 2-Butanone	6.06	43	215191	95.008	ug/l	97
26) 2,2-Dichloropropane	6.00	77	356473	21.014	ug/l	92
27) cis-1,2-Dichloroethene	6.02	96	204839	21.029	ug/l	95
28) Bromochloromethane	6.43	49	130328	19.871	ug/l	94
29) Tetrahydrofuran	6.45	42	100980	94.167	ug/l	97
30) Chloroform	6.65	83	427842	20.943	ug/l	99
31) Cyclohexane	6.94	56	221749	21.492	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	388712	19.672	ug/l	96
36) 1,1-Dichloropropene	7.13	75	273674	19.917	ug/l	99
37) Ethyl Acetate	6.17	43	111029	17.986	ug/l #	91
38) Carbon Tetrachloride	7.09	117	398927	19.285	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	228757	19.982	ug/l	93
40) Benzene	7.44	78	588383	20.432	ug/l	98
41) Methacrylonitrile	6.45	41	135715	18.379	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	307033	20.117	ug/l	95
43) Isopropyl Acetate	9.23	43	150232	19.052	ug/l #	91
44) Trichloroethene	8.53	130	231768	19.862	ug/l	93
45) 1,2-Dichloropropane	8.93	63	140697	19.222	ug/l	95
46) Dibromomethane	9.05	93	119190	19.584	ug/l #	87
47) Bromodichloromethane	9.37	83	311473	20.077	ug/l	100
48) Methyl methacrylate	9.11	41	86989	17.009	ug/l	91
49) 1,4-Dioxane	9.07	88	15289	350.233	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	493499	92.023	ug/l	99
52) Toluene	10.50	92	410996	21.458	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	244151	18.254	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	270782	19.263	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	127905	19.773	ug/l	96
56) Ethyl methacrylate	11.03	69	132485	18.704	ug/l	95
57) 1,3-Dichloropropane	11.40	76	174902	17.161	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.84	63	332712	90.269	ug/l	94
59) 2-Hexanone	11.52	43	360427	93.263	ug/l	94
60) Dibromochloromethane	11.67	129	227053	18.593	ug/l	92
61) 1,2-Dibromoethane	11.80	107	150390	18.841	ug/l	95
64) Tetrachloroethene	11.25	164	194791	20.408	ug/l	91
65) Chlorobenzene	12.39	112	488156	21.183	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	214510	21.132	ug/l	97
67) Ethyl Benzene	12.52	91	818633	20.911	ug/l	99
68) m/p-Xylenes	12.66	106	580539	40.436	ug/l	94
69) o-Xylene	13.04	106	292583	22.192	ug/l	99
70) Styrene	13.06	104	494047	21.130	ug/l	95
71) Bromoform	13.23	173	147589	19.993	ug/l #	97
73) Isopropylbenzene	13.40	105	903440	21.358	ug/l	100
74) N-amyl acetate	13.26	43	211857	18.946	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	133786	18.620	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	147873	18.267	ug/l	99
77) Bromobenzene	13.66	156	229747	19.067	ug/l	92
78) n-propylbenzene	13.77	91	972274	19.315	ug/l	100
79) 2-Chlorotoluene	13.84	91	561404	19.248	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	747245	20.482	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	38670	17.203	ug/l	94
82) 4-Chlorotoluene	13.94	91	713869	20.797	ug/l	89
83) tert-Butylbenzene	14.18	119	827758	19.871	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	733044	19.426	ug/l	99
85) sec-Butylbenzene	14.36	105	828203	18.871	ug/l	96
86) p-Isopropyltoluene	14.49	119	844554	20.162	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	425246	19.928	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	403827	18.714	ug/l	94
89) n-Butylbenzene	14.79	91	794855	21.970	ug/l	98
90) Hexachloroethane	15.00	117	202784	18.581	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	390589	21.008	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	24078	16.452	ug/l	87

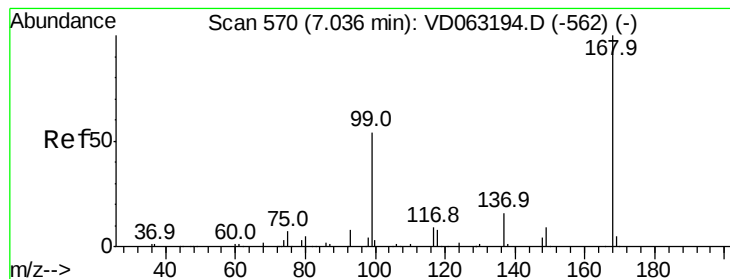
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063288.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	291812	19.785	ug/l	96
94) Hexachlorobutadiene	16.03	225	204926	19.172	ug/l	97
95) Naphthalene	16.12	128	369007	17.701	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	209498	17.980	ug/l	99

(#) = 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. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

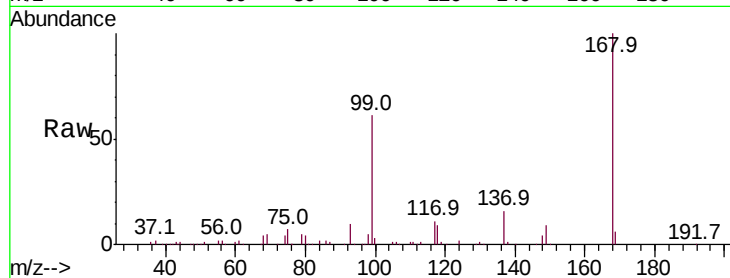
VD0801SBSD01

Tot Ion:168 Resp: 1043928

Ion Ratio Lower Upper

168 100

99 60.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

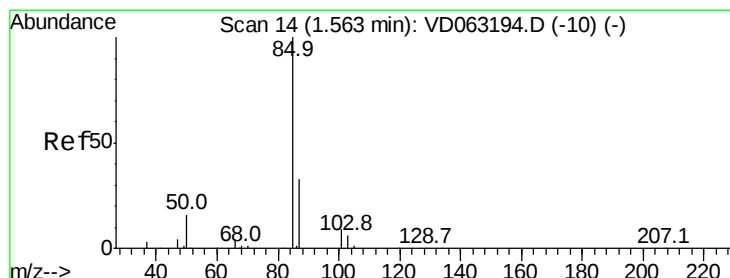
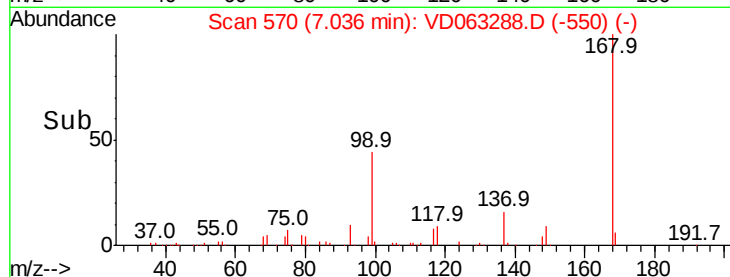
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.560 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063288.D

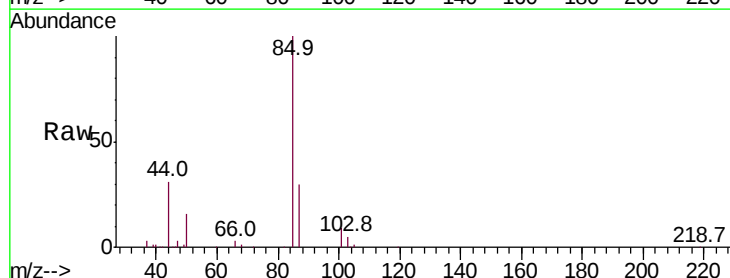
Acq: 1 Aug 2019 11:56

Tgt Ion: 85 Resp: 275120

Ion Ratio Lower Upper

85 100

87 29.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

150000

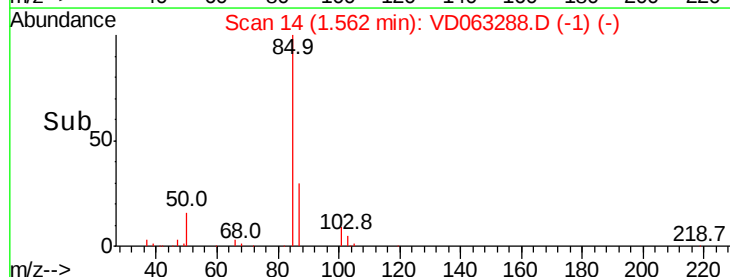
100000

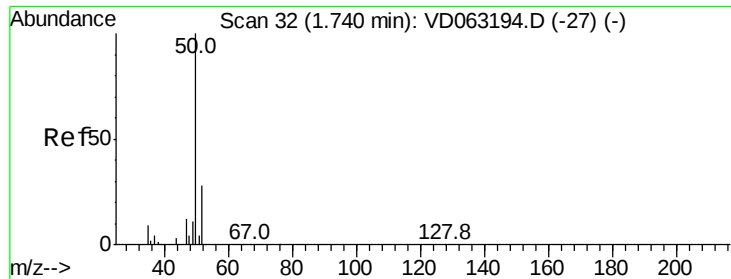
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.200 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

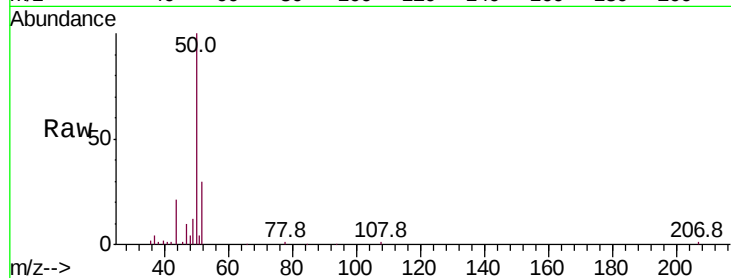
VD0801SBSD01

Tot Ion: 50 Resp: 210182

Ion Ratio Lower Upper

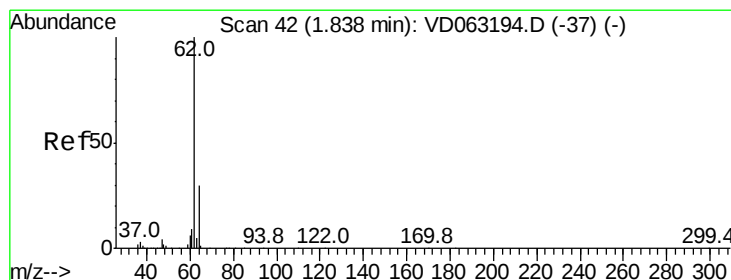
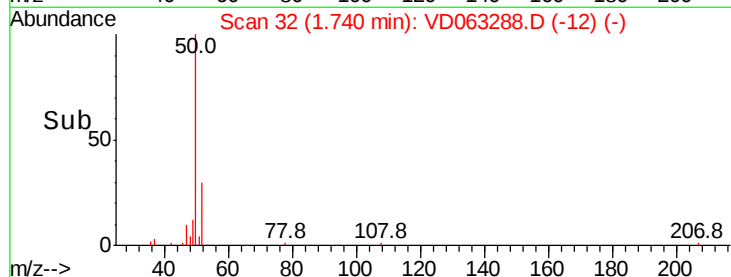
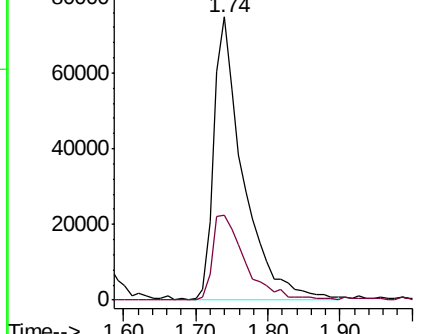
50 100

52 30.1 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.048 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063288.D

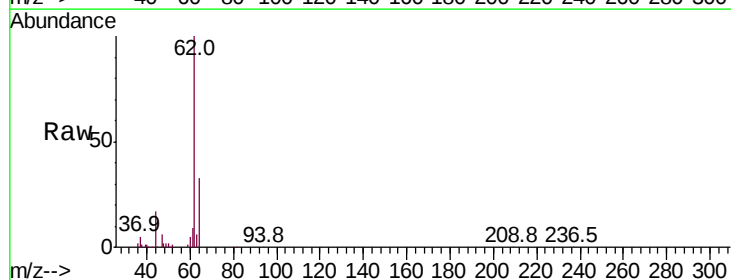
Acq: 1 Aug 2019 11:56

Tgt Ion: 62 Resp: 216021

Ion Ratio Lower Upper

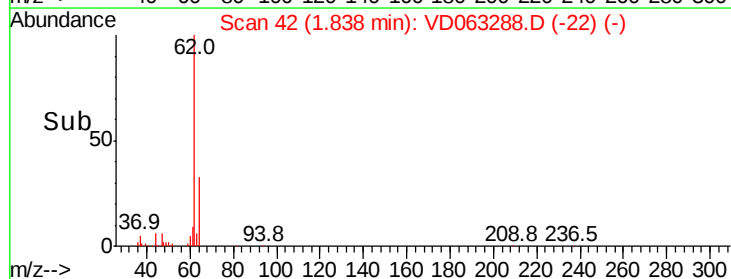
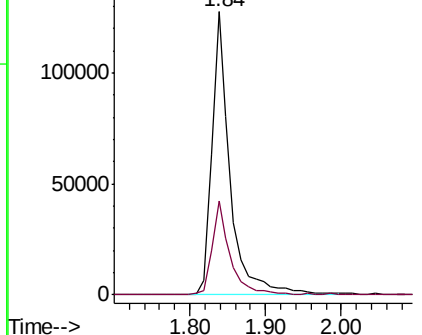
62 100

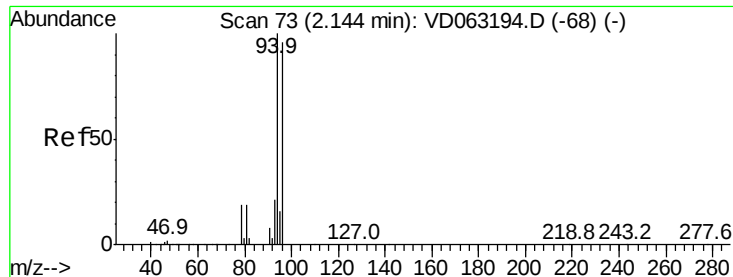
64 33.3 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.644 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

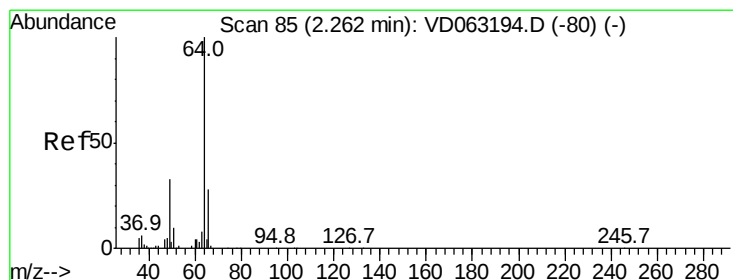
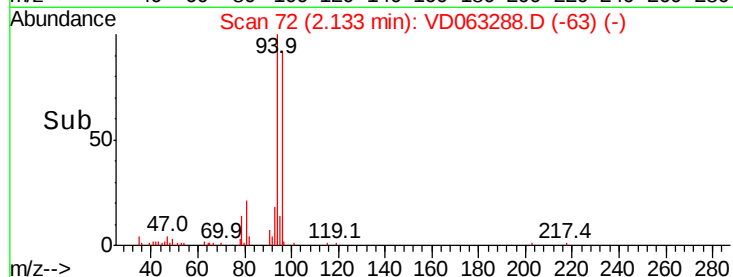
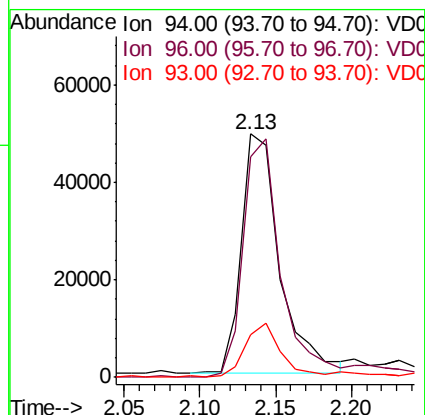
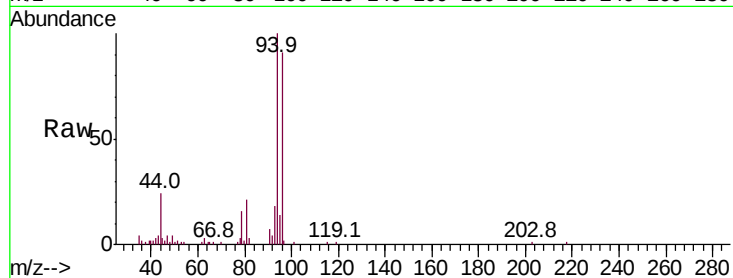
Tot Ion: 94 Resp: 86157

Ion Ratio Lower Upper

94 100

96 90.7 76.4 114.6

93 17.7 17.3 25.9



#6

Chloroethane

Concen: 20.391 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063288.D

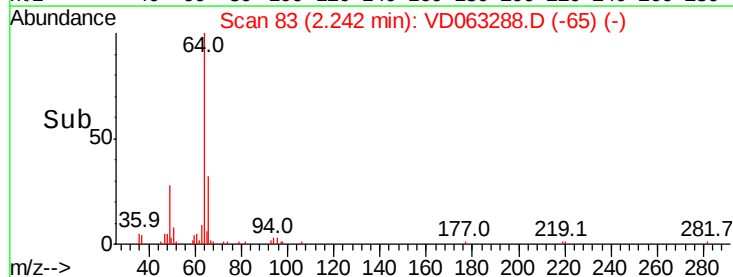
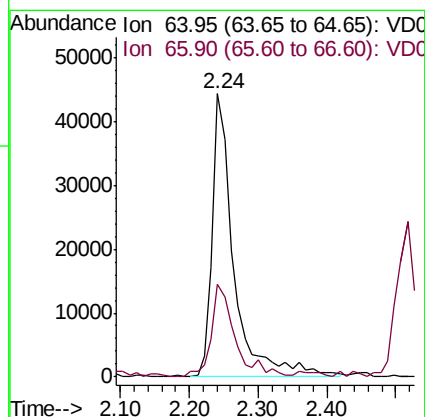
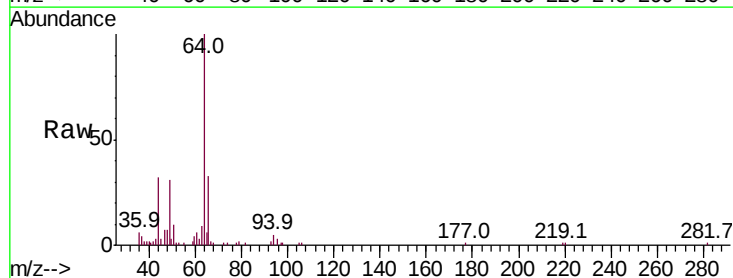
Acq: 1 Aug 2019 11:56

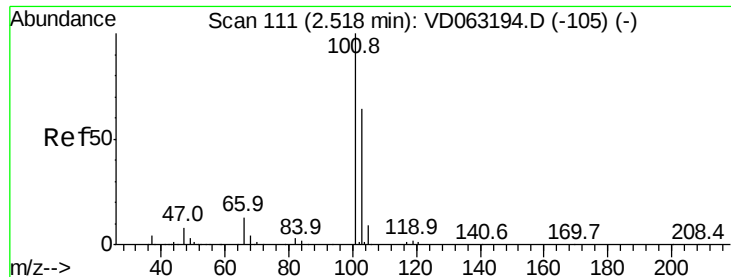
Tgt Ion: 64 Resp: 96625

Ion Ratio Lower Upper

64 100

66 32.6 22.2 33.2



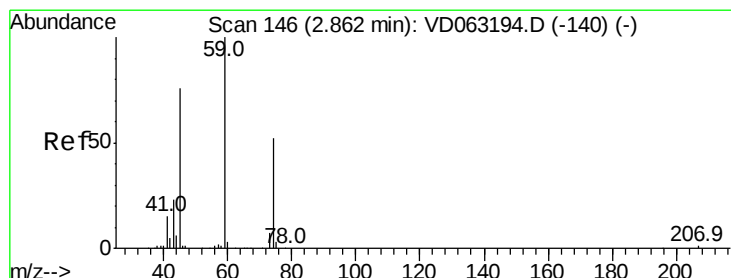
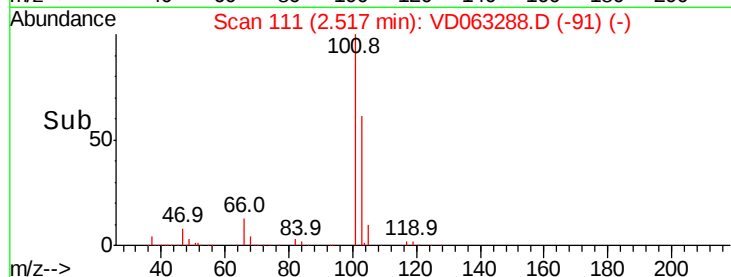
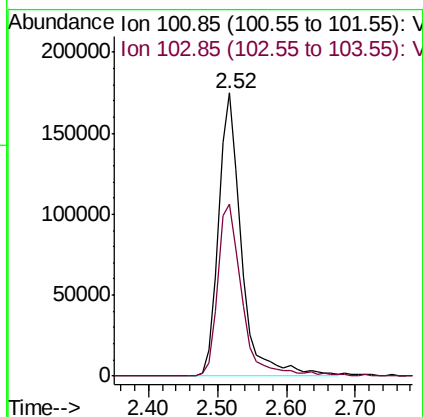
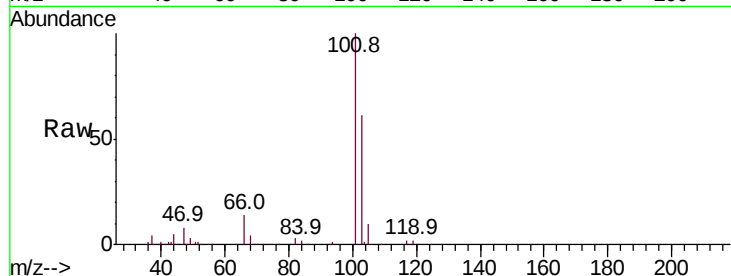


#7

Trichlorofluoromethane
Concen: 20.178 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

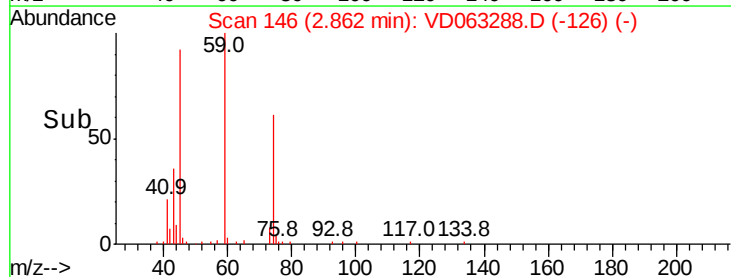
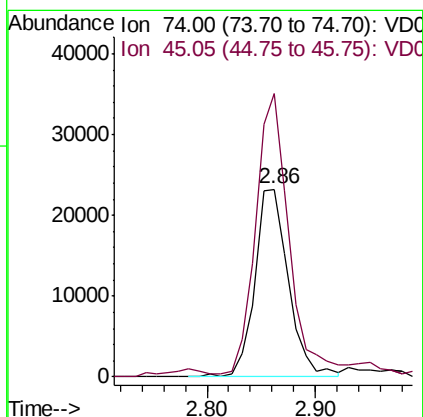
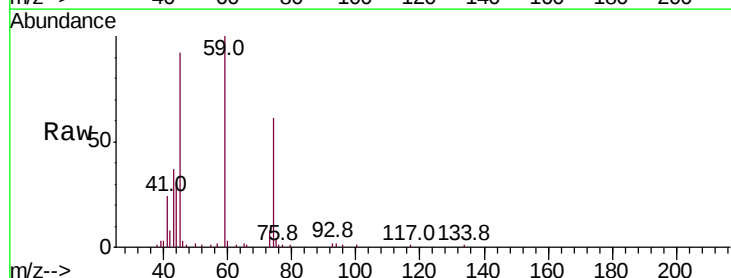
Tot Ion:101 Resp: 401767
Ion Ratio Lower Upper
101 100
103 60.7 51.5 77.3

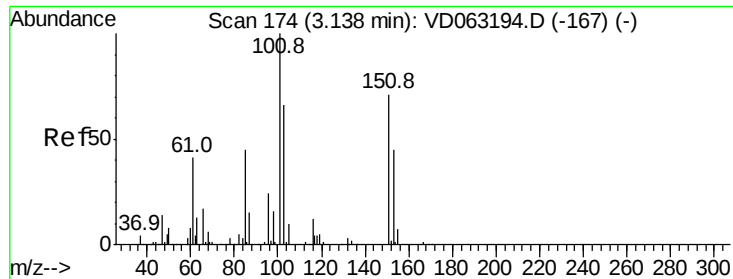


#8

Diethyl Ether
Concen: 17.952 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 74 Resp: 50026
Ion Ratio Lower Upper
74 100
45 151.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.841 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

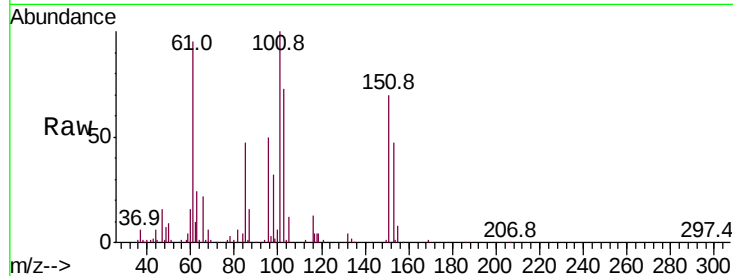
Tot Ion:101 Resp: 240901

Ion Ratio Lower Upper

101 100

85 47.2 36.1 54.1

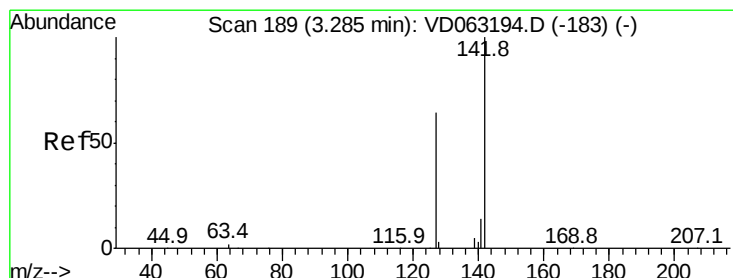
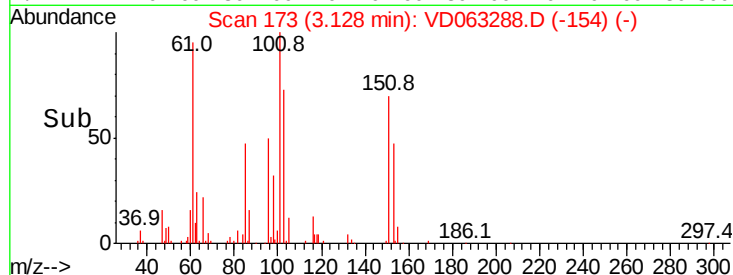
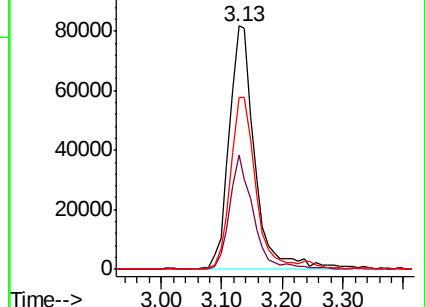
151 70.5 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.098 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

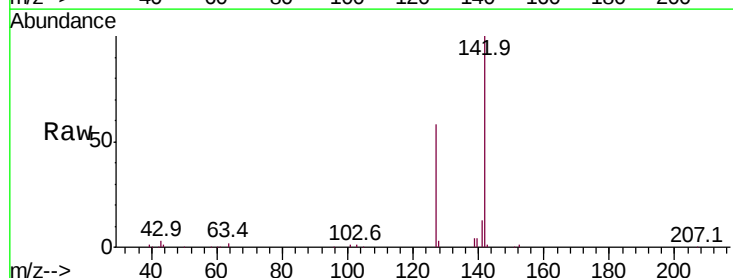
Tgt Ion:142 Resp: 288355

Ion Ratio Lower Upper

142 100

127 58.4 50.8 76.2

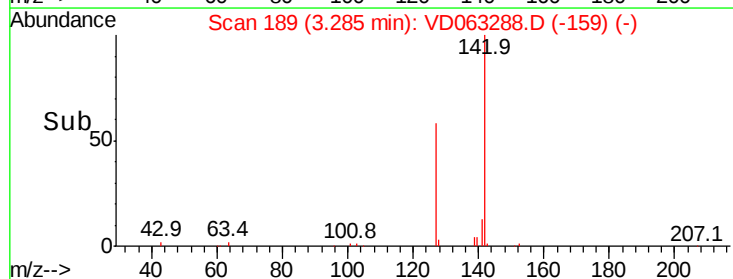
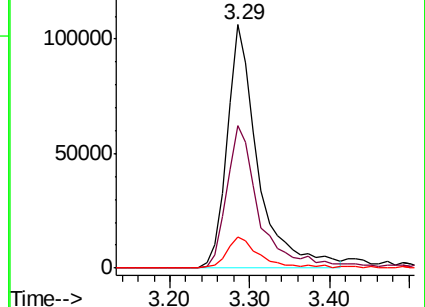
141 12.9 11.4 17.2

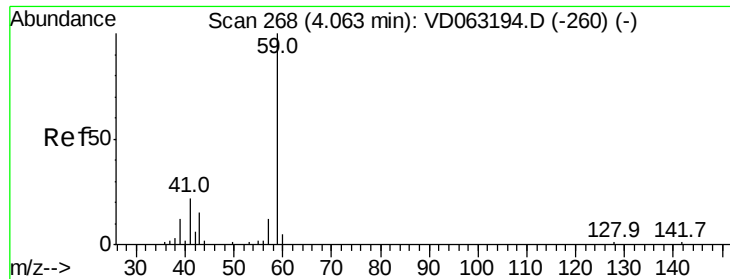


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

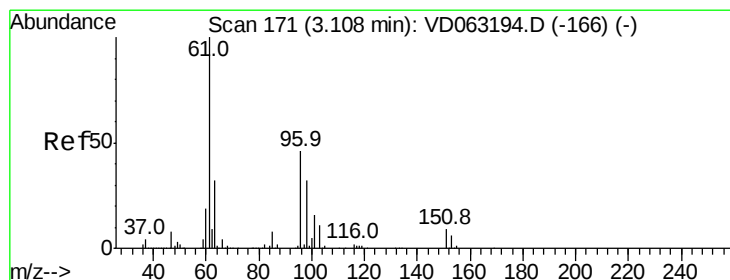
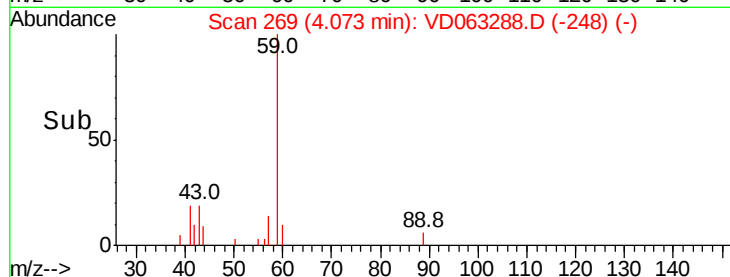
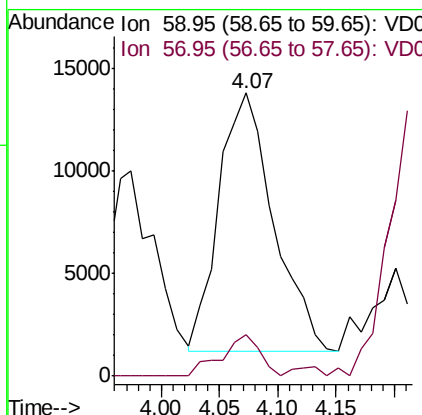
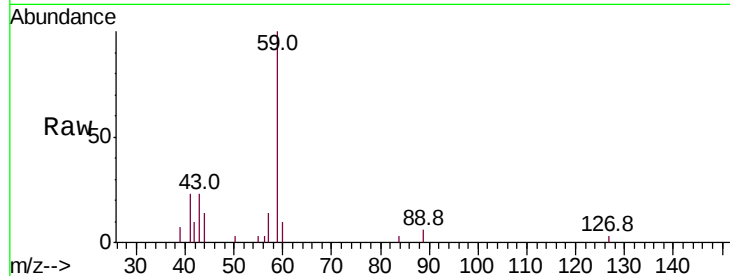




#11
Tert butyl alcohol
Concen: 80.107 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

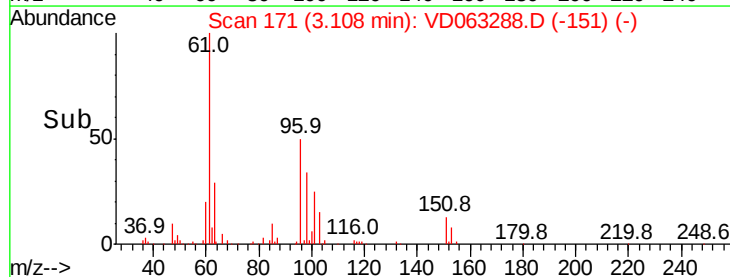
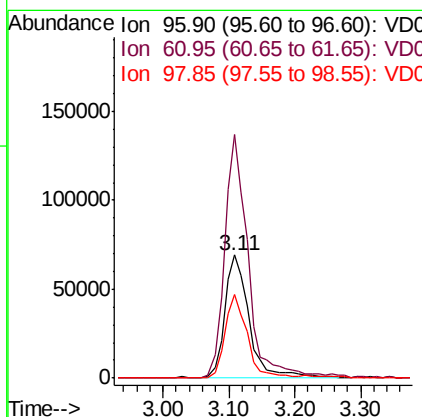
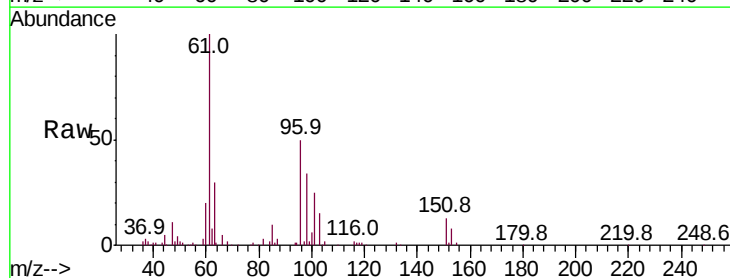
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

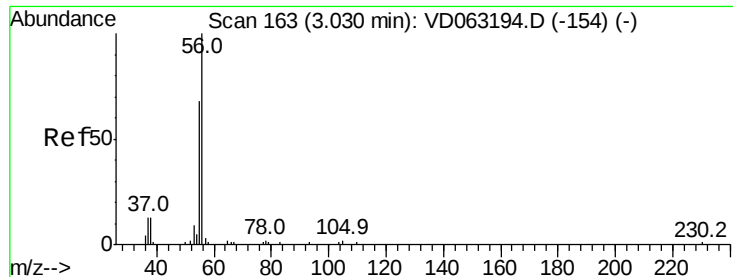
Tot Ion: 59 Resp: 40721
Ion Ratio Lower Upper
59 100
57 14.5 9.6 14.4#



#12
1,1-Dichloroethene
Concen: 22.167 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 96 Resp: 179491
Ion Ratio Lower Upper
96 100
61 198.0 173.7 260.5
98 67.5 55.8 83.8





#13

Acrolein

Concen: 87.682 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

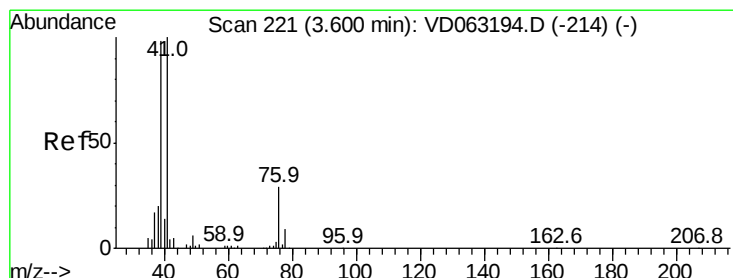
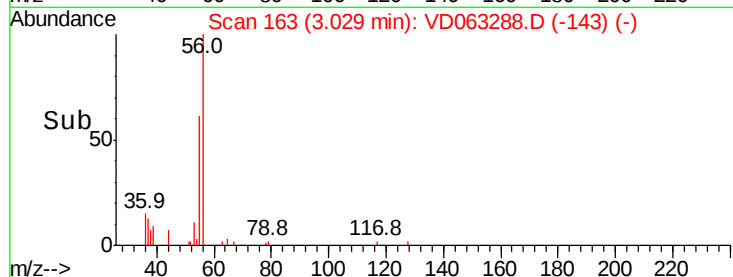
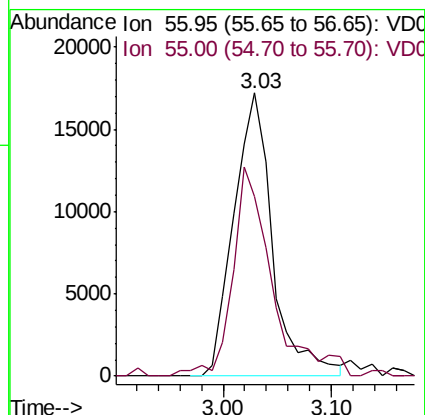
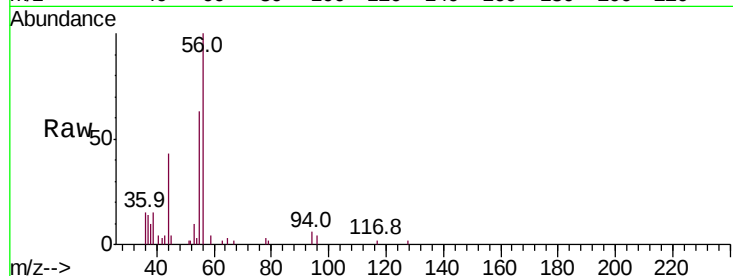
VD0801SBSD01

Tot Ion: 56 Resp: 42896

Ion Ratio Lower Upper

56 100

55 63.3 55.3 82.9



#14

Allyl chloride

Concen: 20.475 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

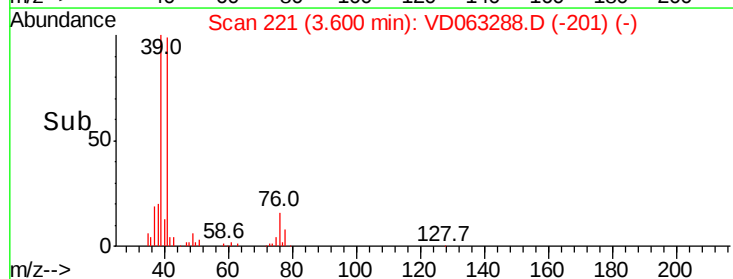
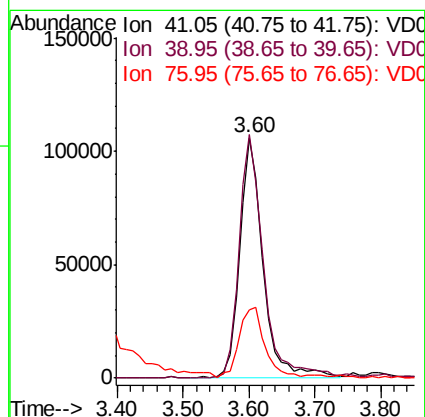
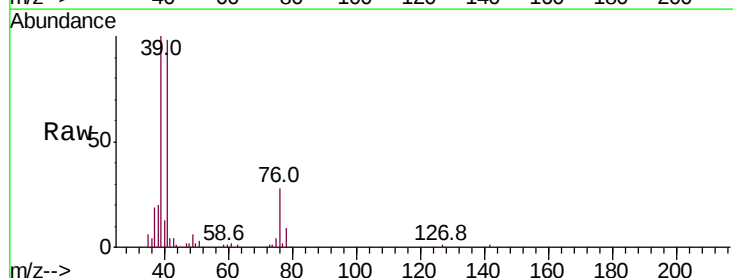
Tgt Ion: 41 Resp: 264102

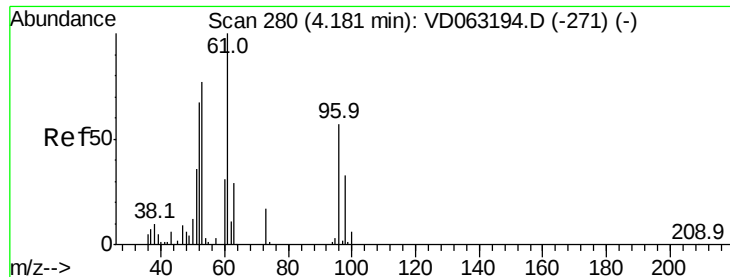
Ion Ratio Lower Upper

41 100

39 101.5 78.6 117.8

76 28.3 24.5 36.7





#15

Acrylonitrile

Concen: 91.249 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

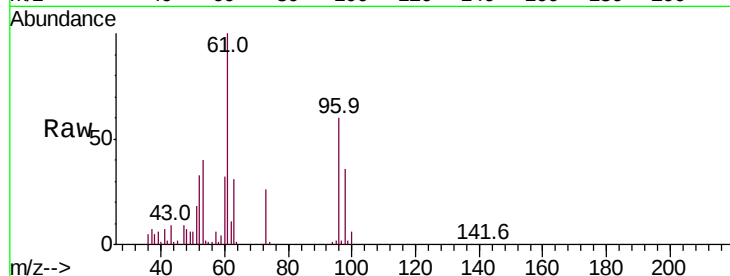
Tot Ion: 53 Resp: 120257

Ion Ratio Lower Upper

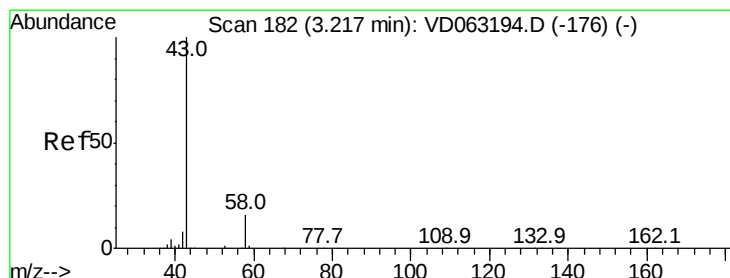
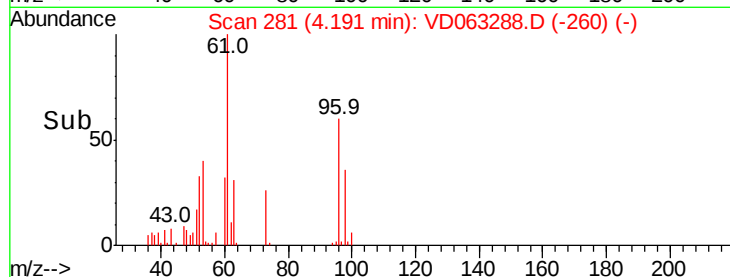
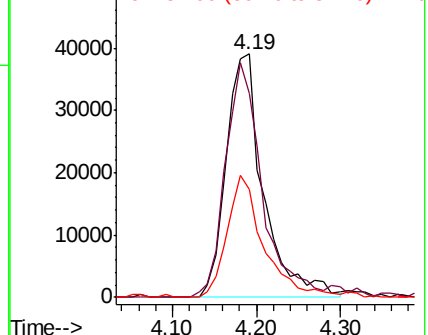
53 100

52 83.7 69.7 104.5

51 44.4 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 90.570 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063288.D

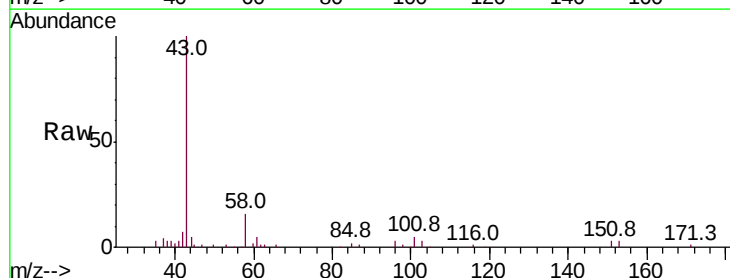
Acq: 1 Aug 2019 11:56

Tgt Ion: 43 Resp: 204406

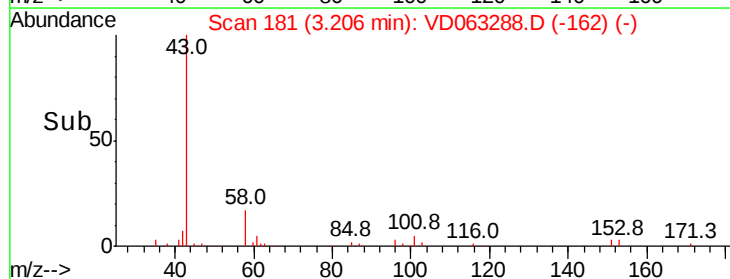
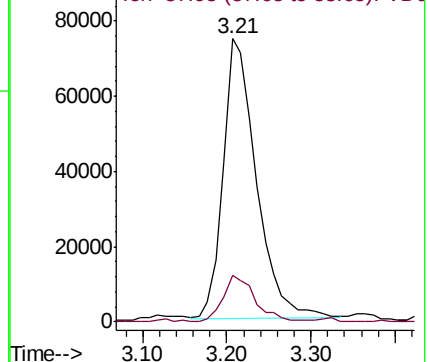
Ion Ratio Lower Upper

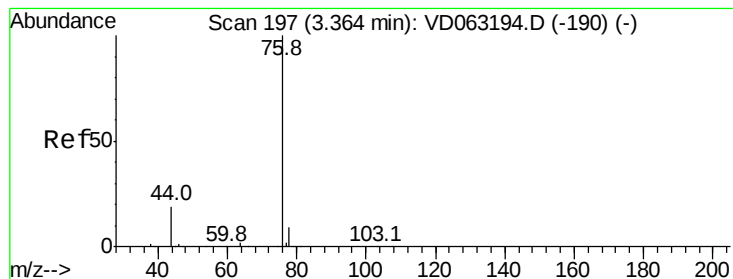
43 100

58 16.4 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.065 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

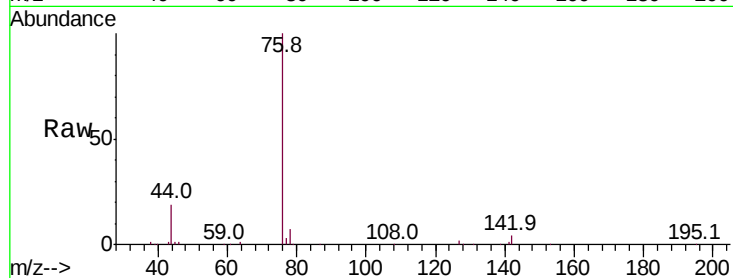
VD0801SBSD01

Tot Ion: 76 Resp: 543801

Ion Ratio Lower Upper

76 100

78 7.0 7.4 11.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

250000

200000

150000

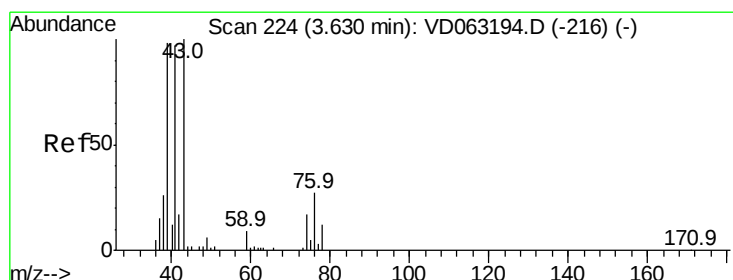
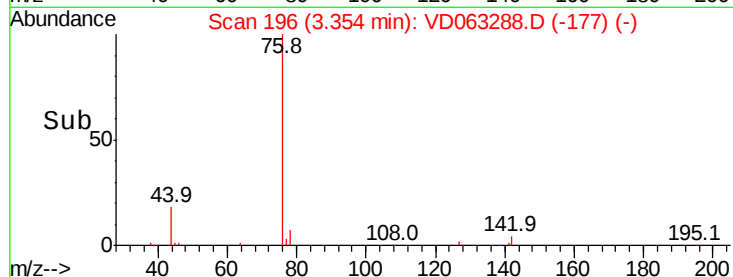
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 20.058 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063288.D

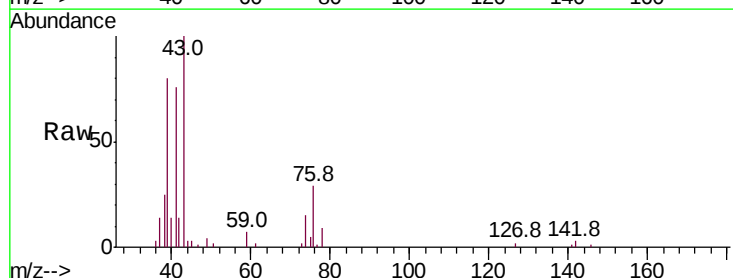
Acq: 1 Aug 2019 11:56

Tgt Ion: 43 Resp: 86952

Ion Ratio Lower Upper

43 100

74 14.5 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

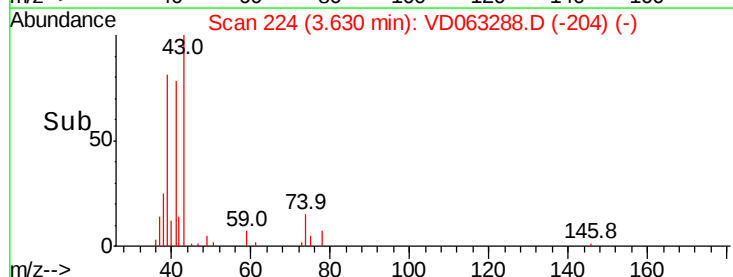
20000

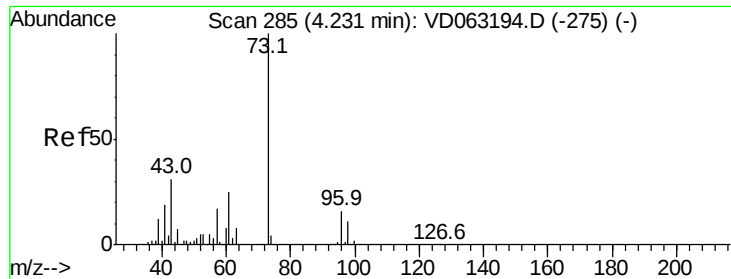
10000

0

3.50 3.60 3.70 3.80

Time-->



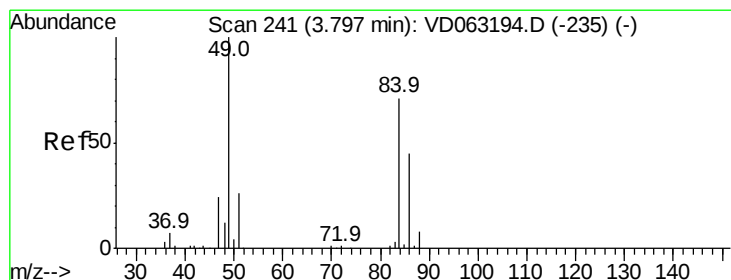
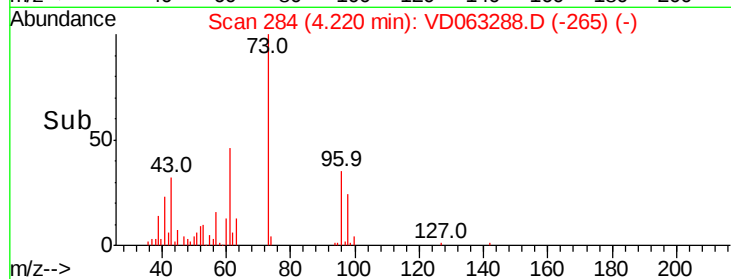
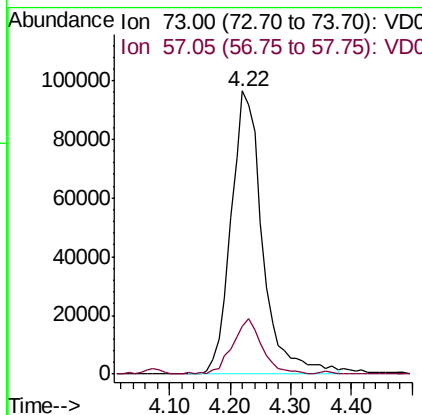
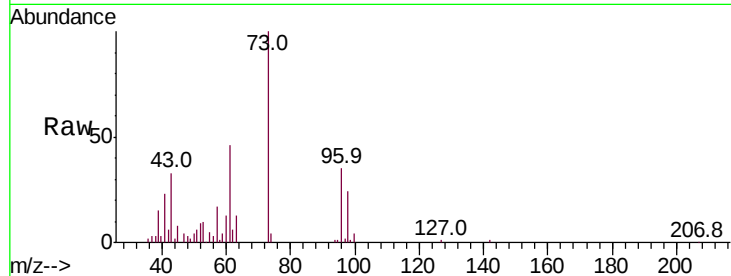


#19

Methyl tert-butyl Ether
 Concen: 19.007 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

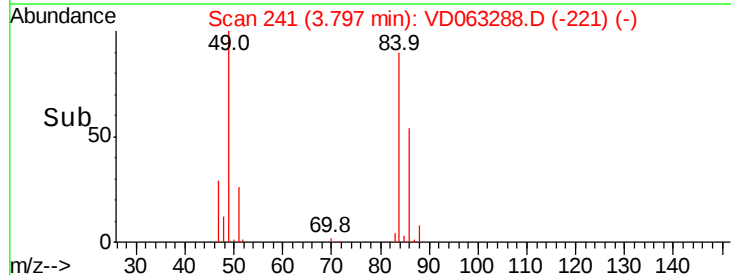
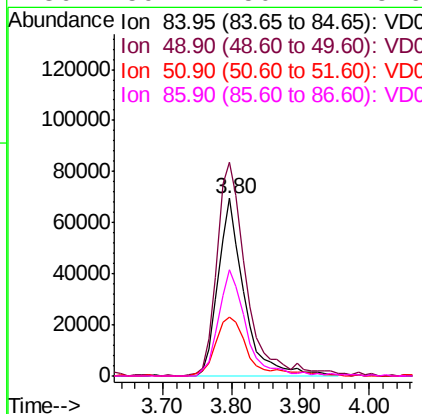
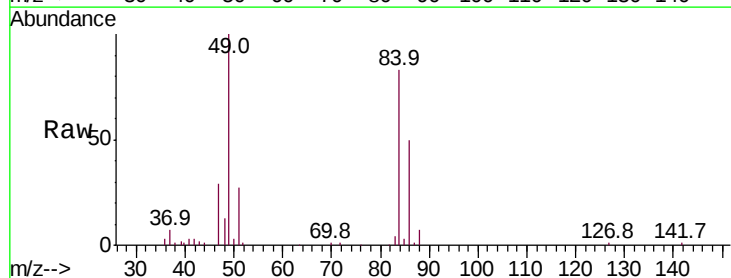
Tot Ion: 73 Resp: 347634
 Ion Ratio Lower Upper
 73 100
 57 16.9 13.8 20.6

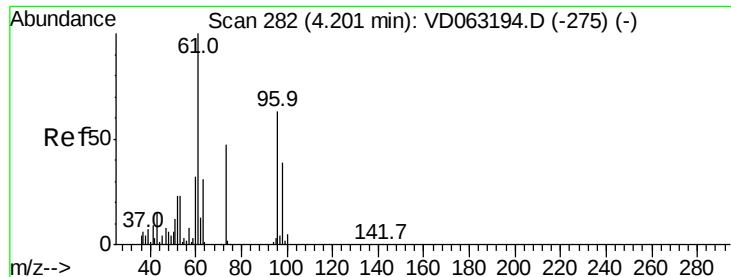


#20

Methylene Chloride
 Concen: 20.158 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Tgt Ion: 84 Resp: 183896
 Ion Ratio Lower Upper
 84 100
 49 120.3 112.5 168.7
 51 33.1 29.6 44.4
 86 59.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.243 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

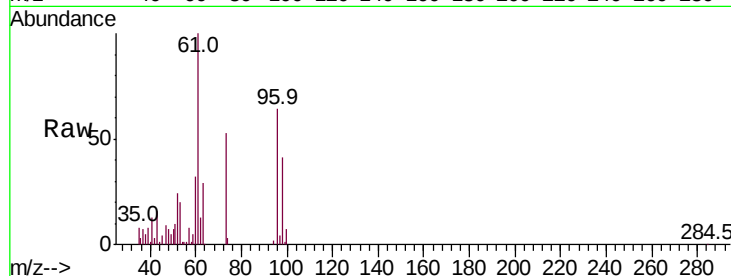
Tot Ion: 96 Resp: 183910

Ion Ratio Lower Upper

96 100

61 155.1 127.4 191.2

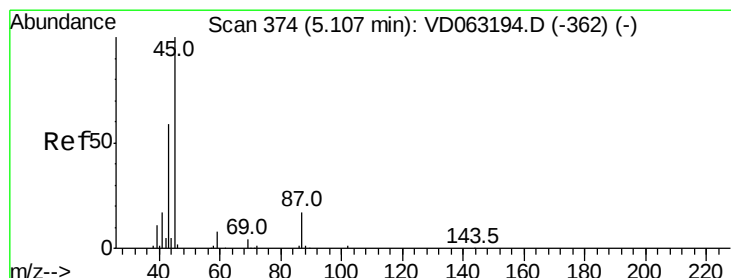
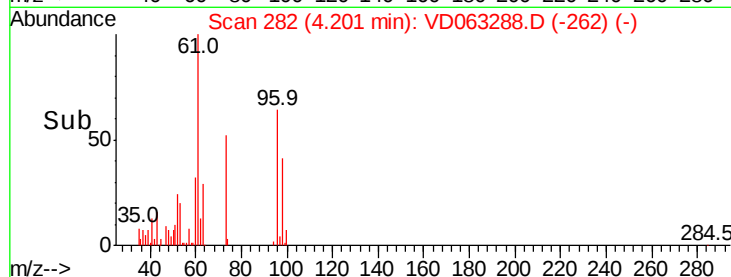
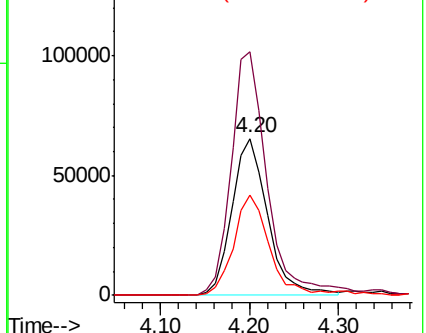
98 63.8 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.546 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Tgt Ion: 45 Resp: 529490

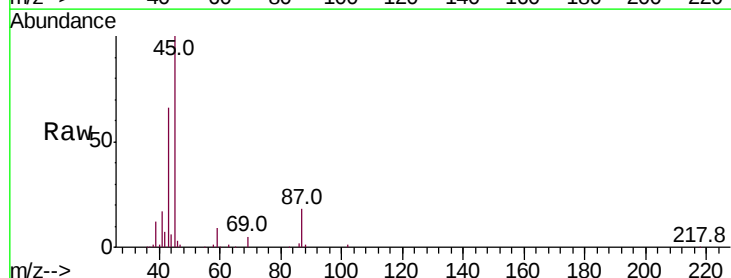
Ion Ratio Lower Upper

45 100

43 66.5 51.7 77.5

87 17.9 14.6 21.8

59 8.9 6.6 10.0

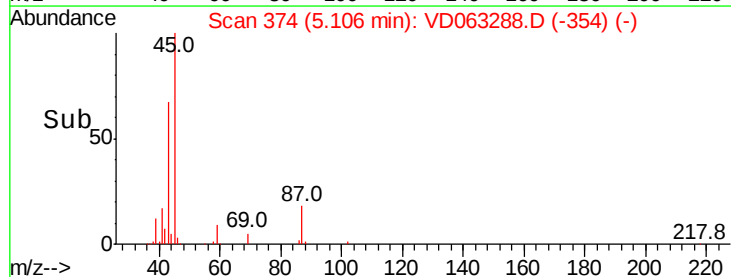
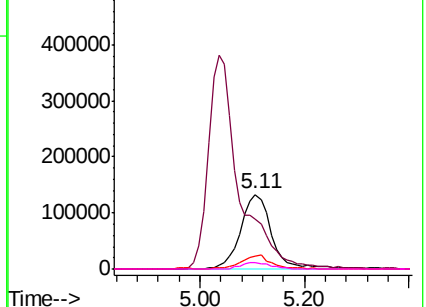


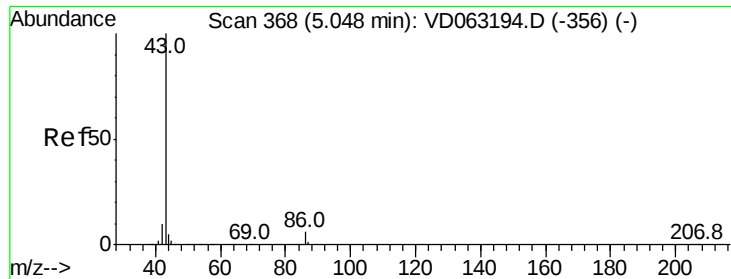
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 97.200 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

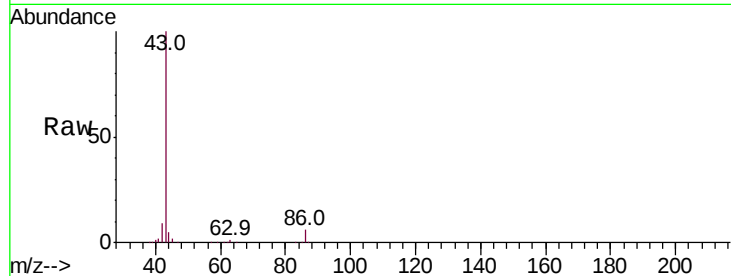
VD0801SBSD01

Tot Ion: 43 Resp: 1539784

Ion Ratio Lower Upper

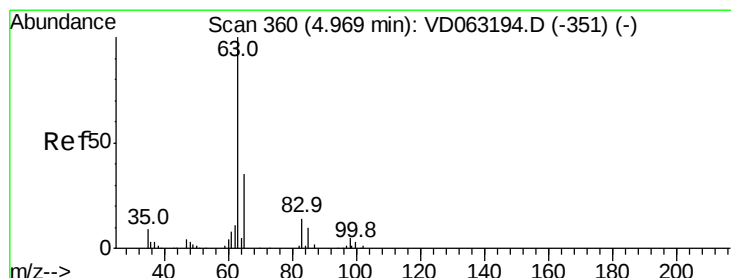
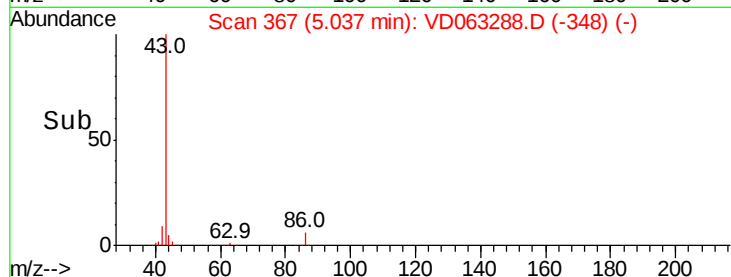
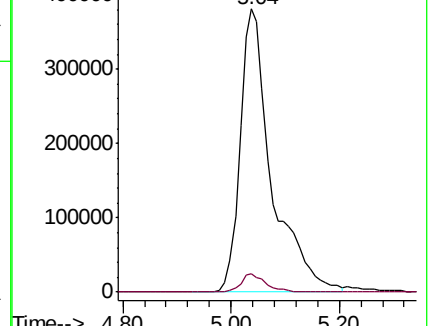
43 100

86 6.3 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.284 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

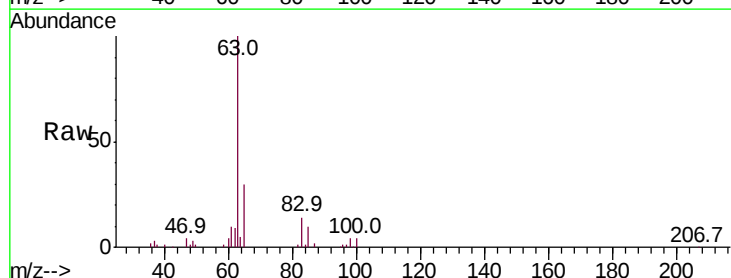
Tgt Ion: 63 Resp: 333899

Ion Ratio Lower Upper

63 100

98 4.2 2.8 8.4

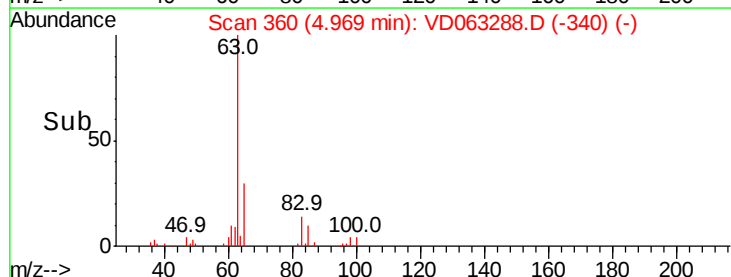
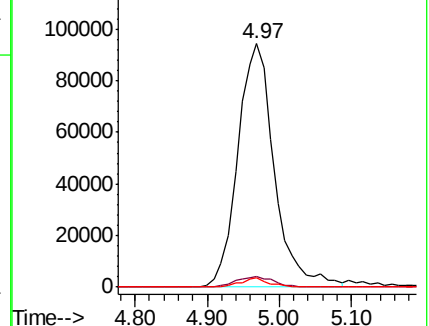
100 3.8 1.3 3.9

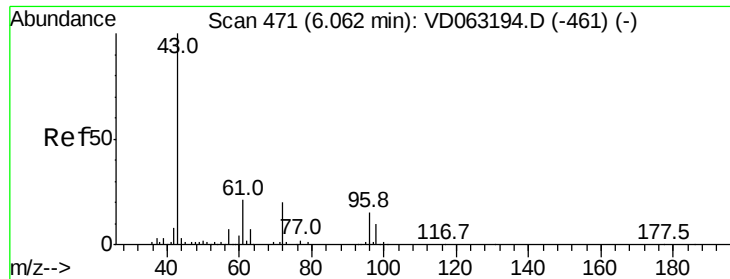


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 95.008 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

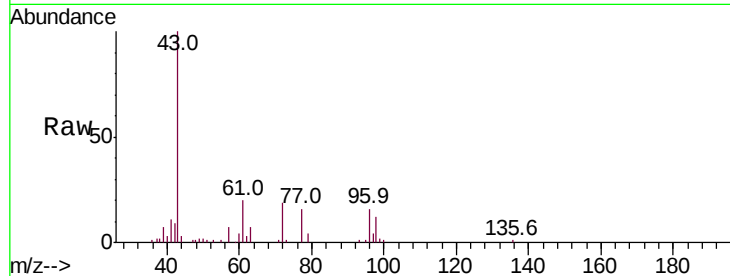
VD0801SBSD01

Tot Ion: 43 Resp: 215191

Ion Ratio Lower Upper

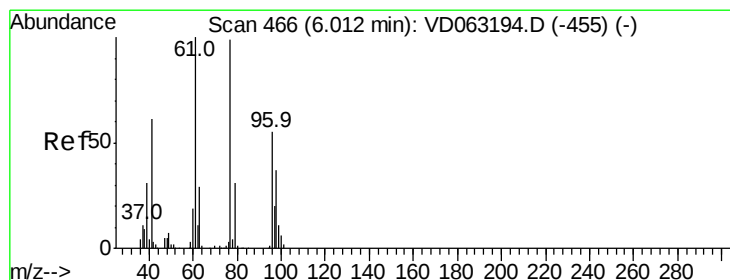
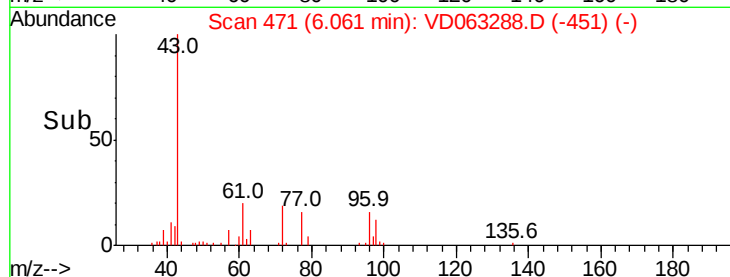
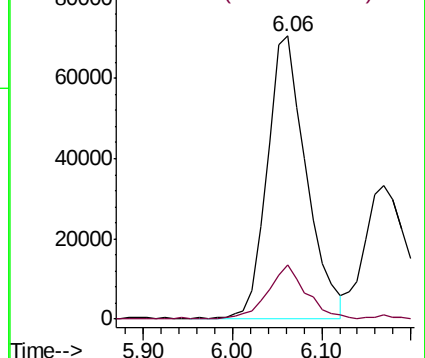
43 100

72 19.0 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.014 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063288.D

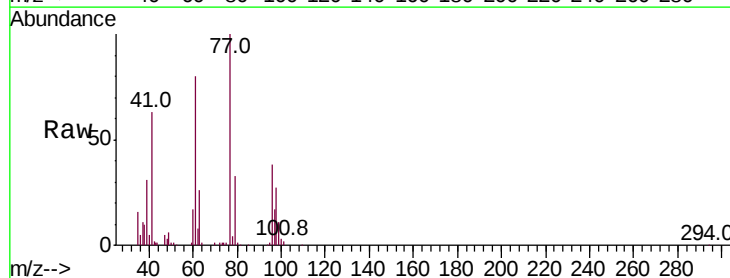
Acq: 1 Aug 2019 11:56

Tgt Ion: 77 Resp: 356473

Ion Ratio Lower Upper

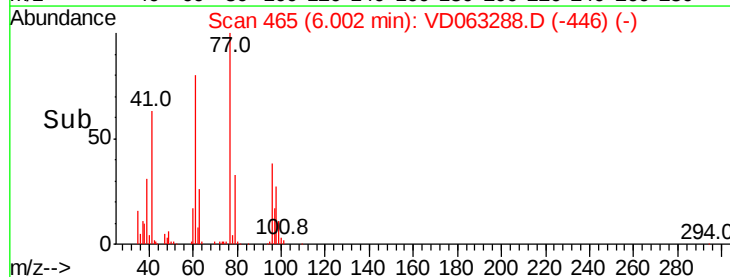
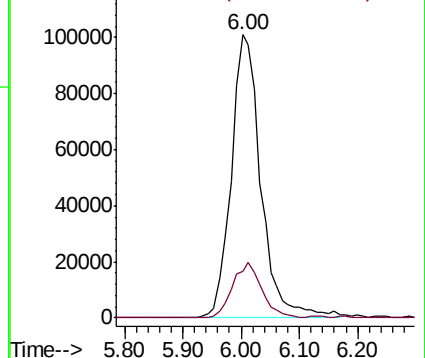
77 100

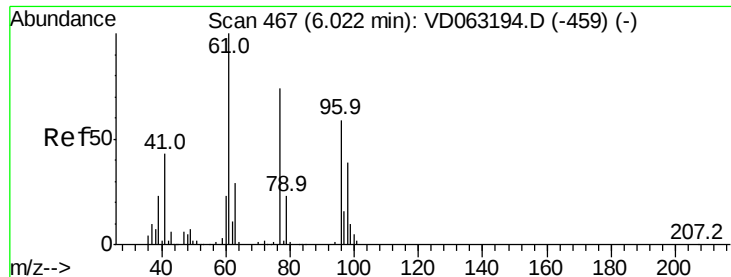
97 16.7 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



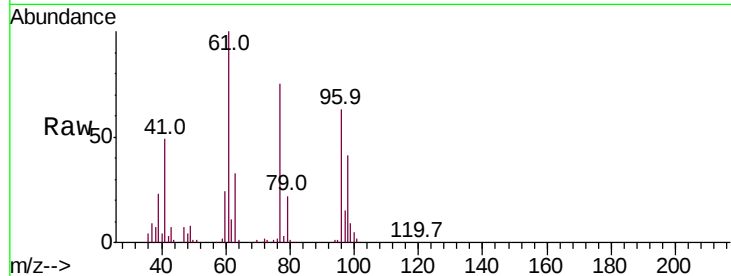


#27

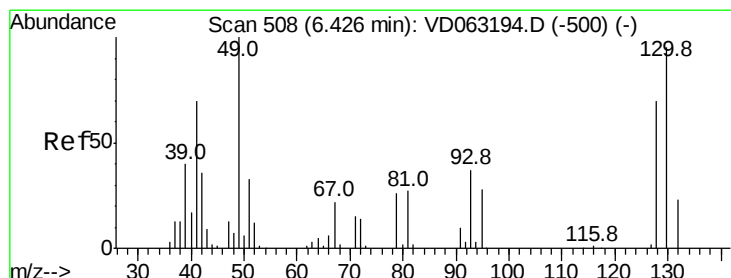
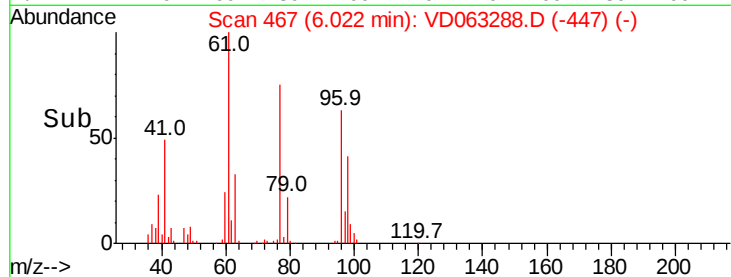
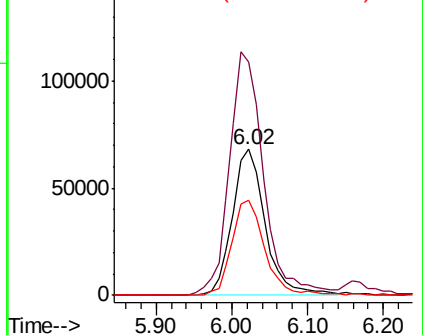
cis-1,2-Dichloroethene
Concen: 21.029 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

Tot Ion	96	Resp	204839
Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	337.2
98	65.0	0.0	130.6



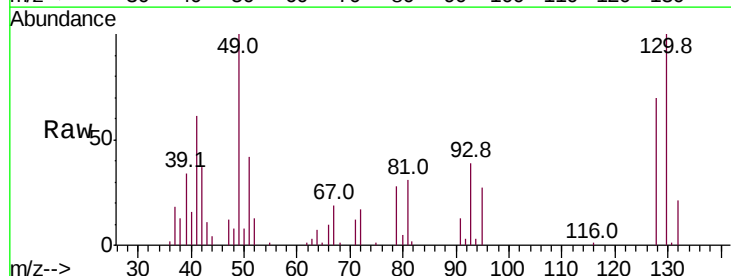
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



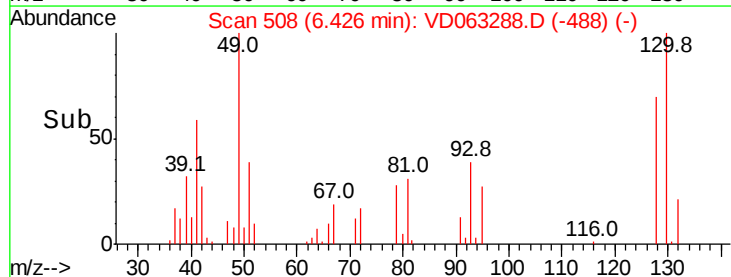
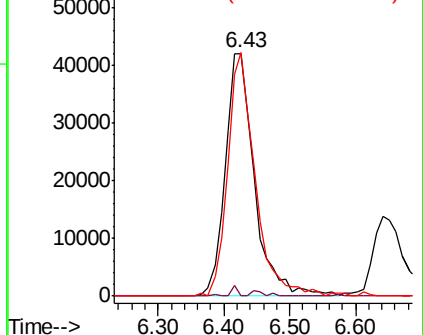
#28

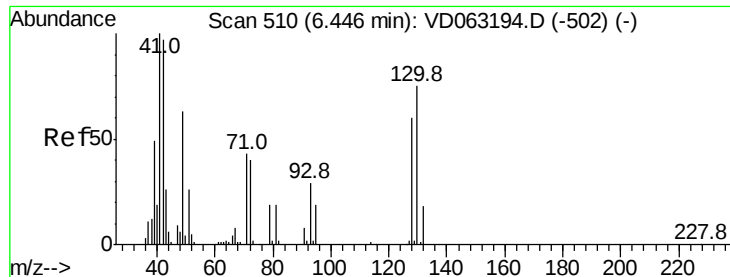
Bromochloromethane
Concen: 19.871 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion	49	Resp	130328
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	100.2	75.7	113.5



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

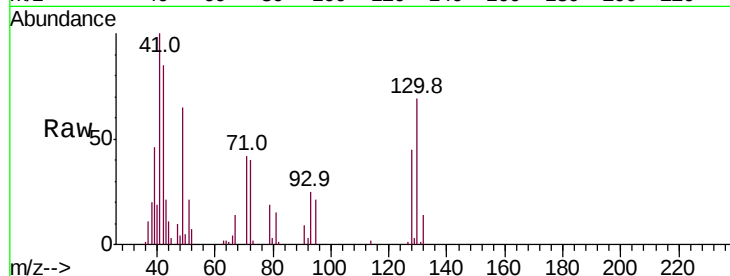




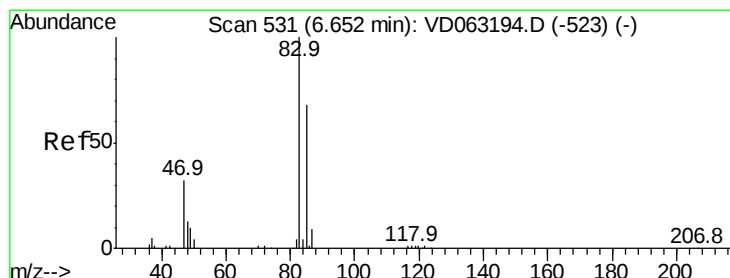
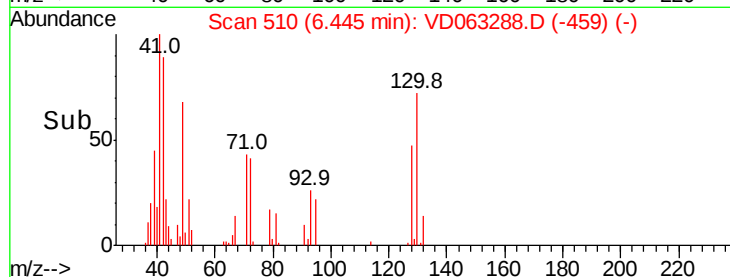
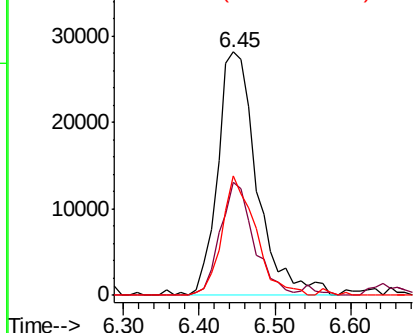
#29
Tetrahydrofuran
Concen: 94.167 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

Tot Ion: 42 Resp: 100980
Ion Ratio Lower Upper
42 100
72 40.1 33.4 50.2
71 42.1 35.7 53.5

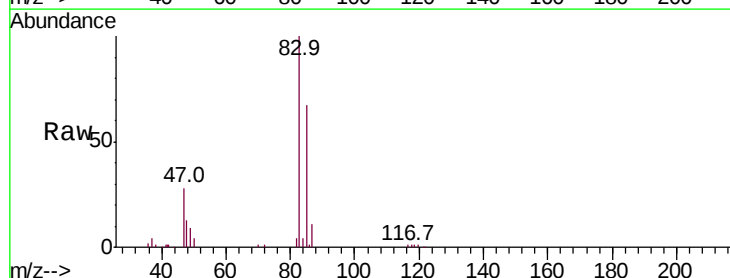


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

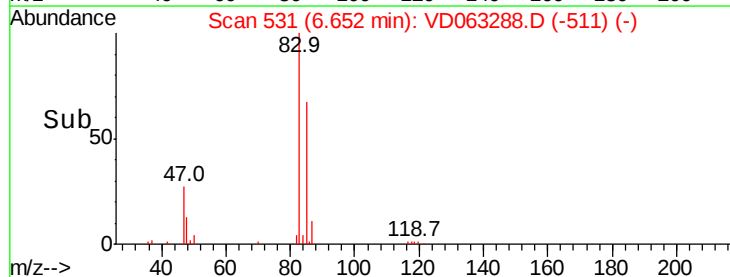
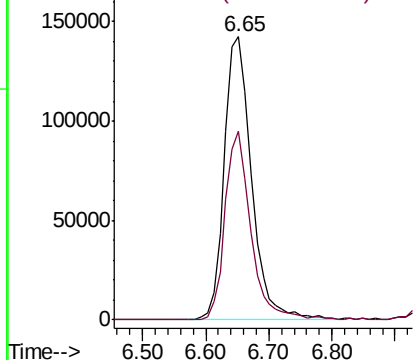


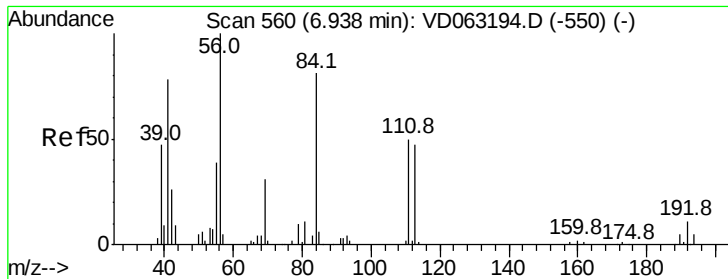
#30
Chloroform
Concen: 20.943 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 83 Resp: 427842
Ion Ratio Lower Upper
83 100
85 66.6 54.2 81.4



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

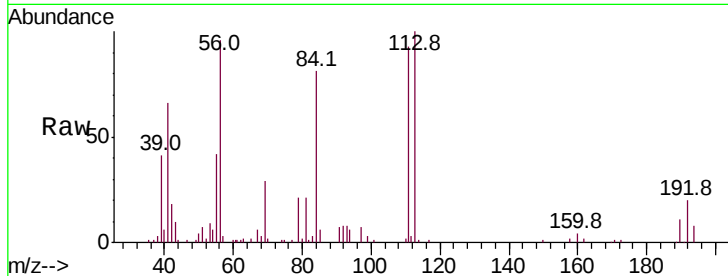




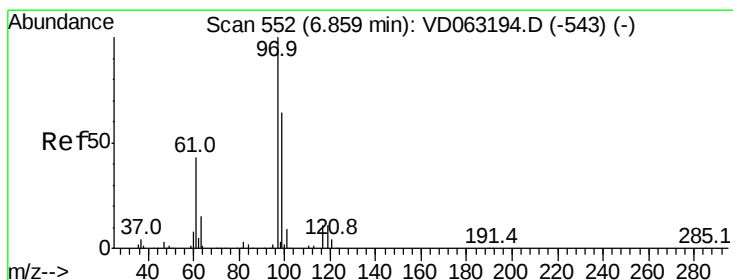
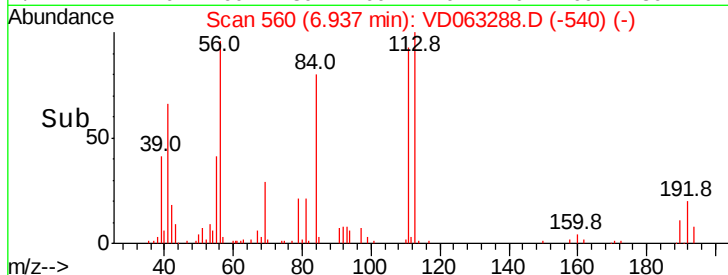
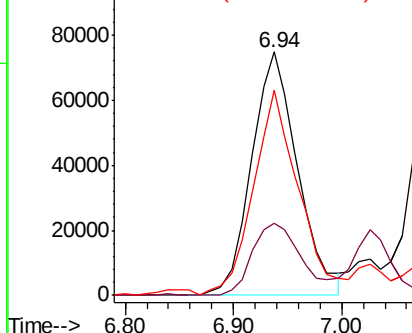
#31
Cyclohexane
Concen: 21.492 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

Tot Ion: 56 Resp: 221749
Ion Ratio Lower Upper
56 100
69 29.8 24.5 36.7
84 84.1 64.9 97.3

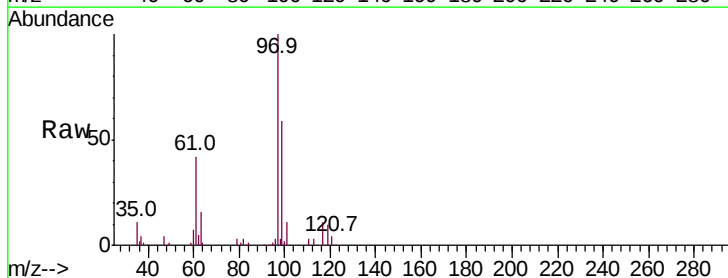


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

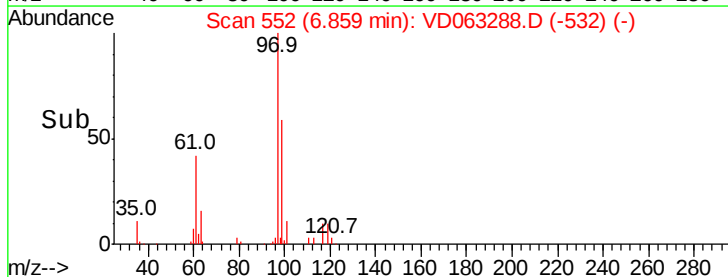
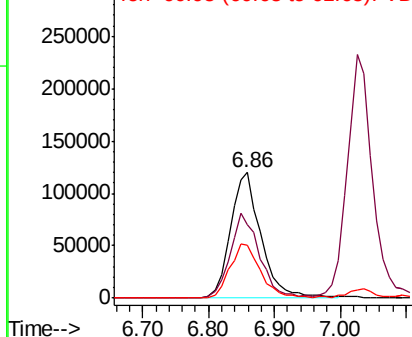


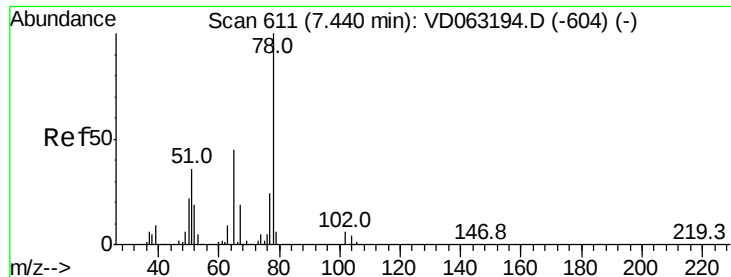
#32
1,1,1-Trichloroethane
Concen: 19.672 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 97 Resp: 388712
Ion Ratio Lower Upper
97 100
99 59.0 51.2 76.8
61 41.9 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.215 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

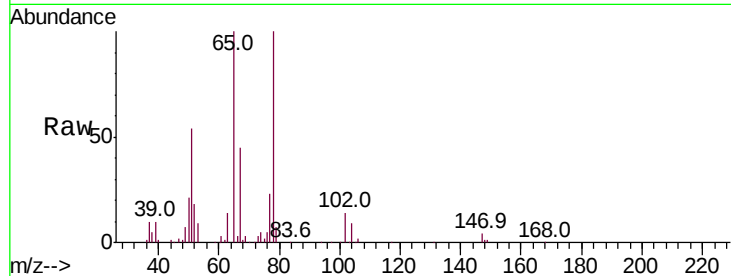
VD0801SBSD01

Tot Ion: 65 Resp: 558495

Ion Ratio Lower Upper

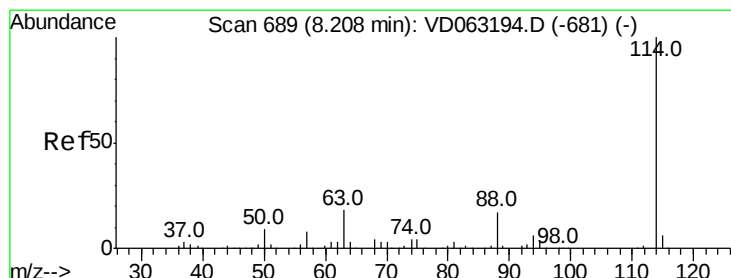
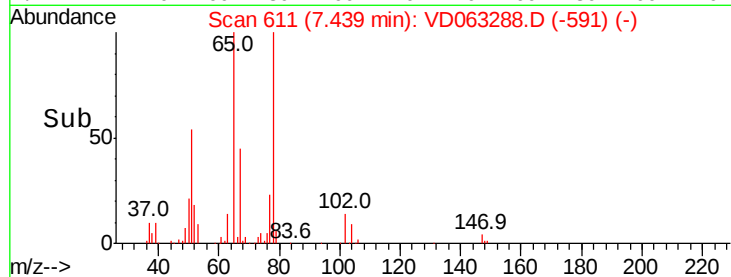
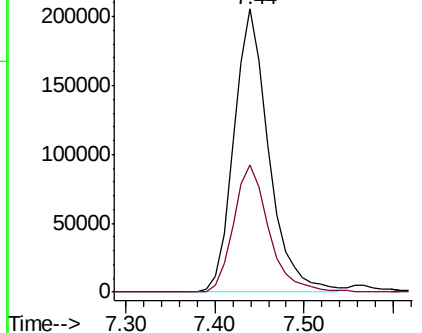
65 100

67 44.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

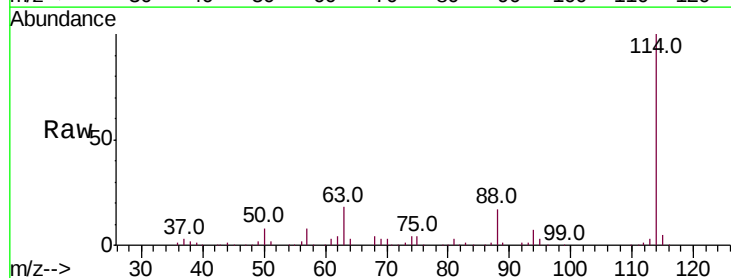
Tgt Ion: 114 Resp: 1505602

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

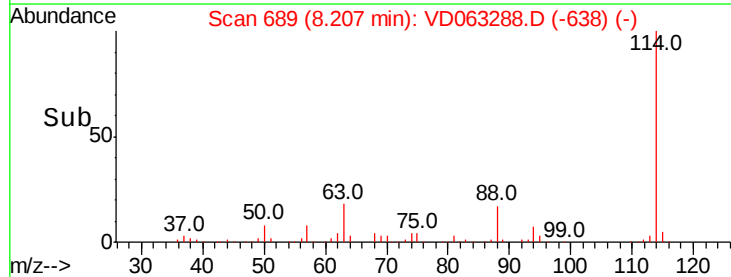
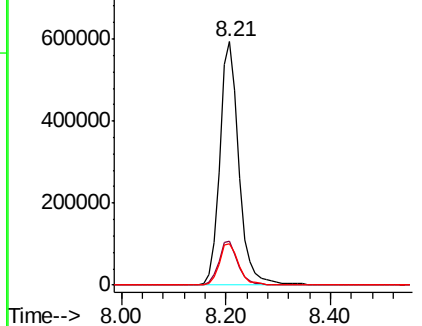
88 17.1 0.0 34.6

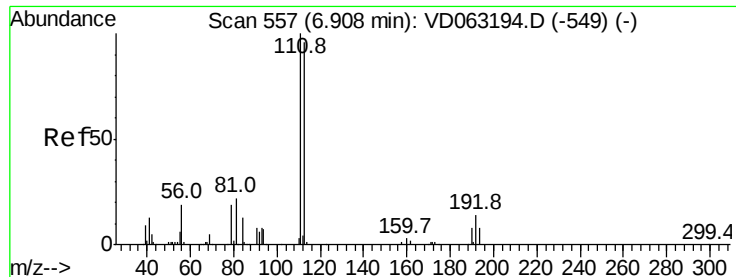


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.091 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

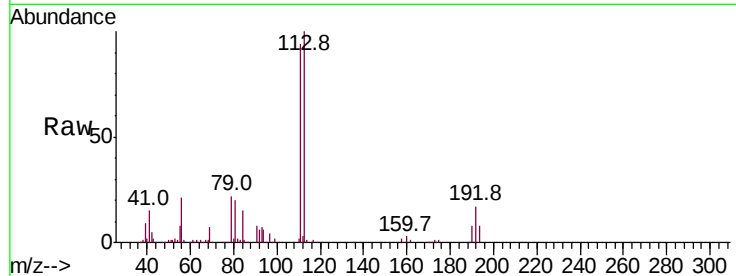
Tot Ion:113 Resp: 631048

Ion Ratio Lower Upper

113 100

111 94.2 83.2 124.8

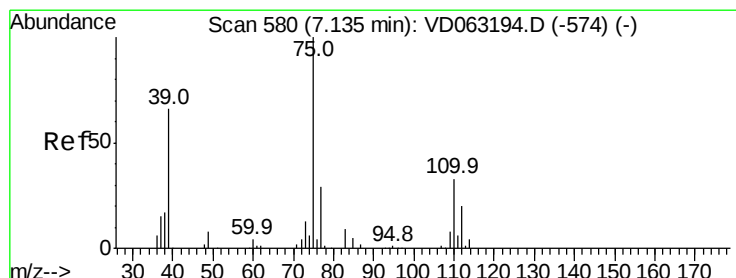
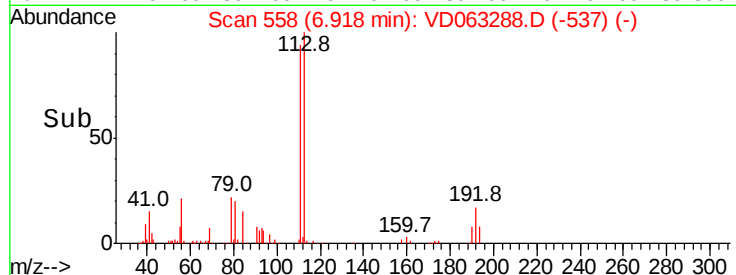
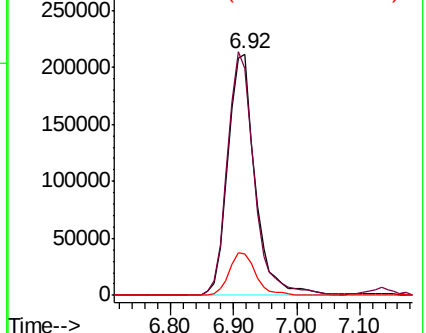
192 17.1 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.917 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

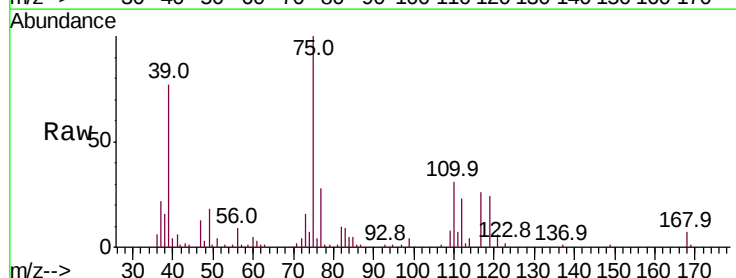
Tgt Ion: 75 Resp: 273674

Ion Ratio Lower Upper

75 100

110 31.2 16.1 48.2

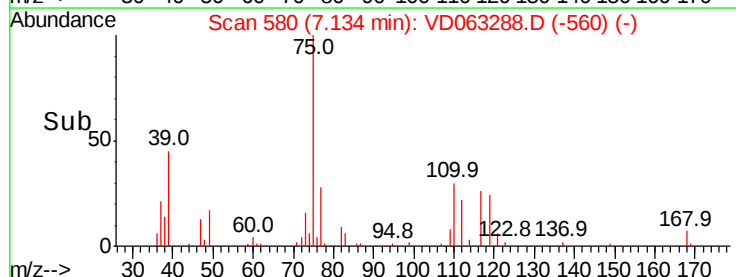
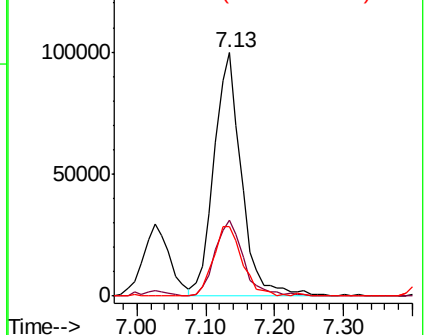
77 28.5 22.7 34.1

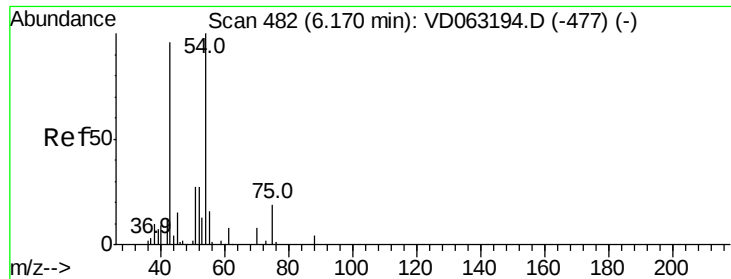


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 17.986 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleID :

VD0801SBSD01

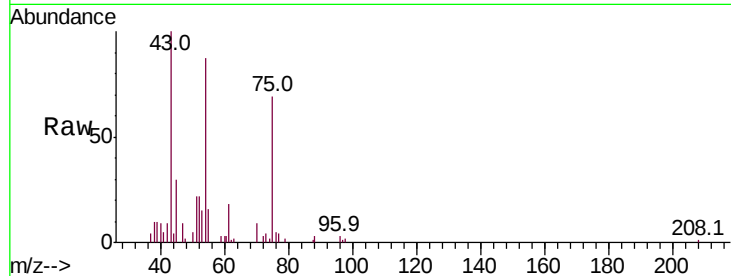
Tot Ion: 43 Resp: 111029

Ion Ratio Lower Upper

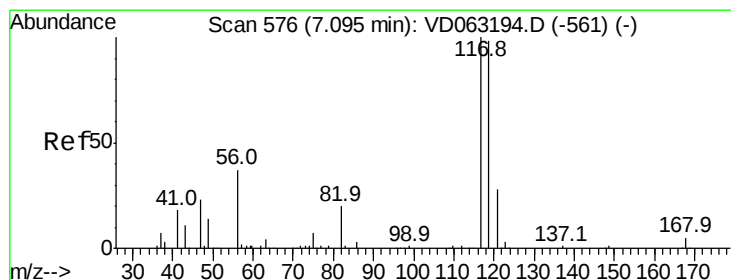
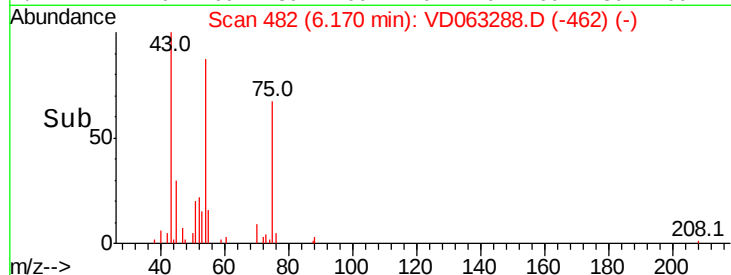
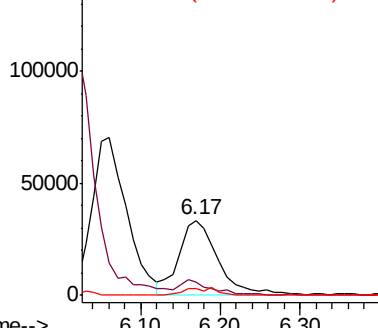
43 100

61 18.2 11.3 16.9#

70 8.9 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.285 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

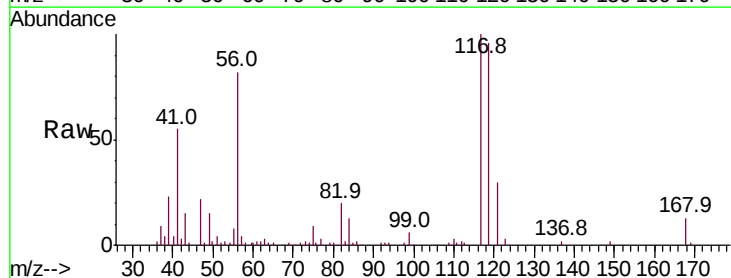
Tgt Ion: 117 Resp: 398927

Ion Ratio Lower Upper

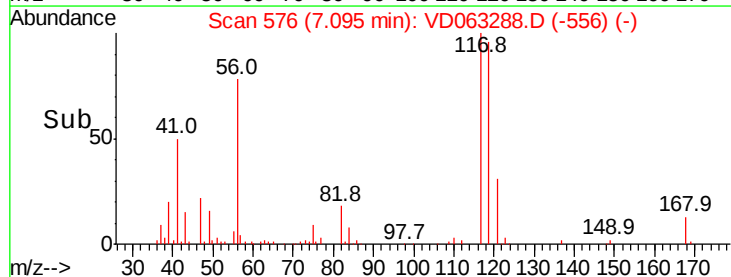
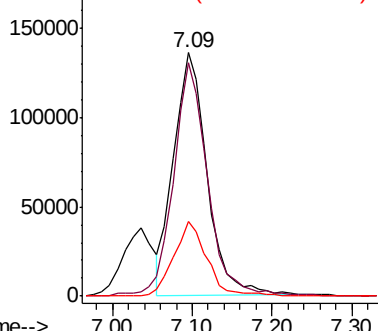
117 100

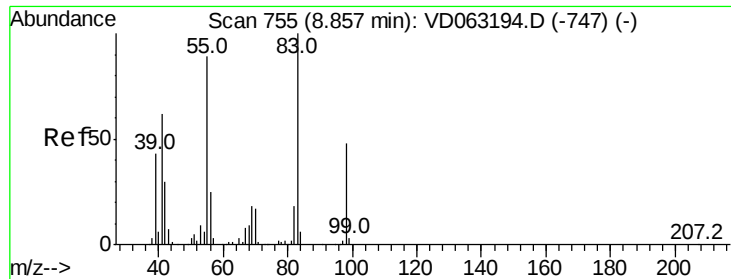
119 95.8 78.2 117.2

121 30.4 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

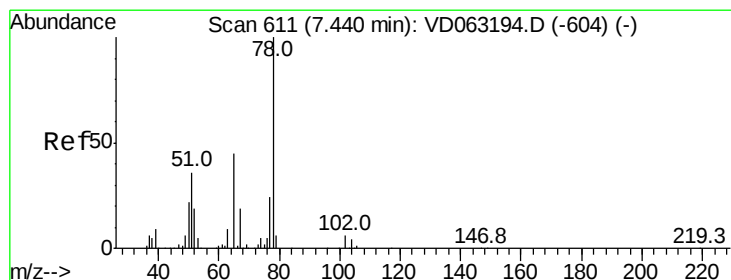
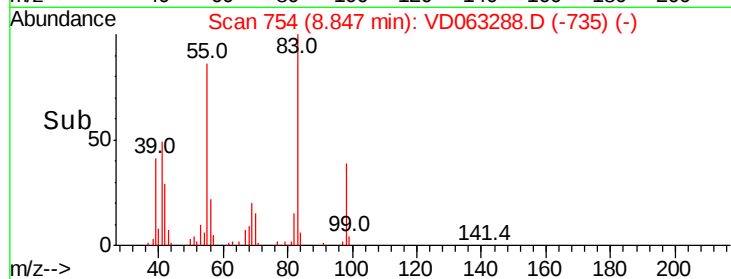
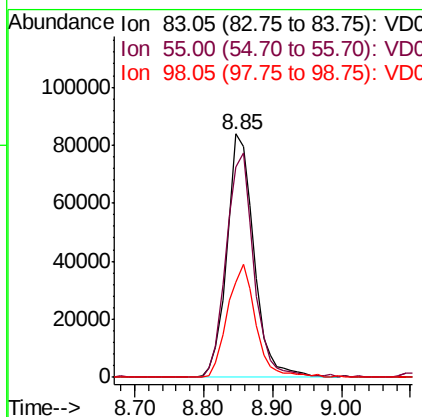
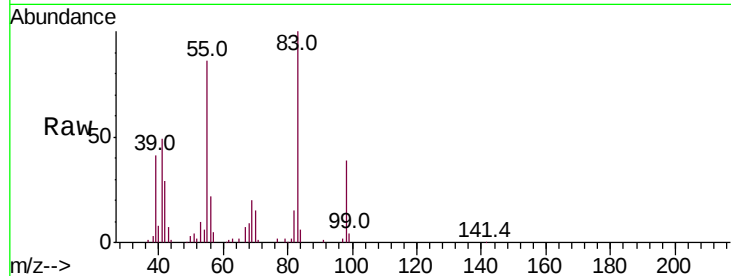




#39
Methvlcvclohexane
Concen: 19.982 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

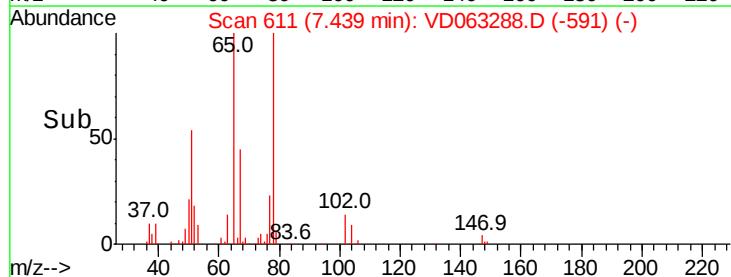
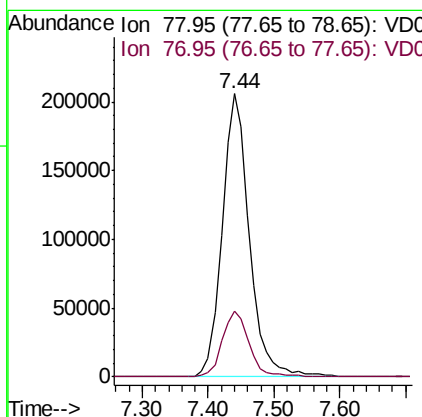
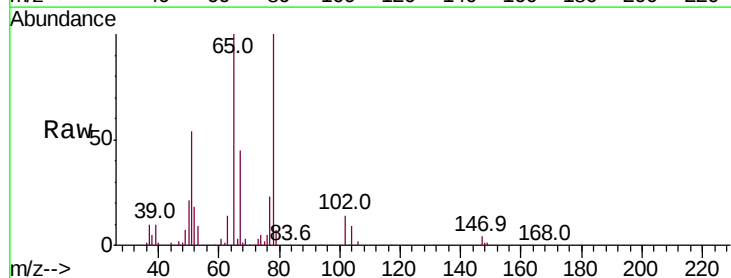
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

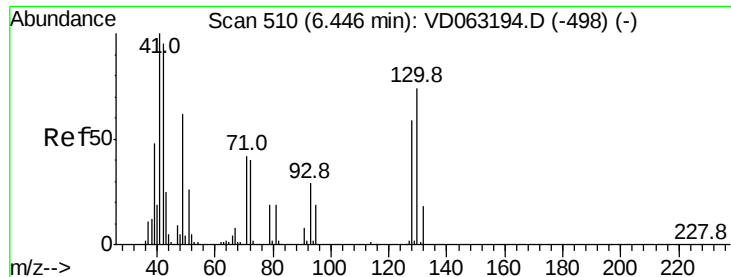
Tot Ion	83	Resp	228757
Ion Ratio	Lower	Upper	
83	100		
55	86.2	71.1	106.7
98	38.9	38.5	57.7



#40
Benzene
Concen: 20.432 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion	78	Resp	588383
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.4	29.2

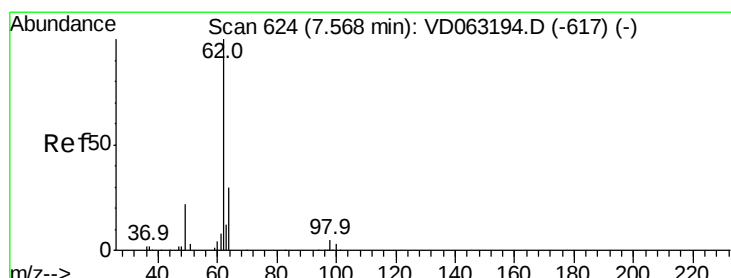
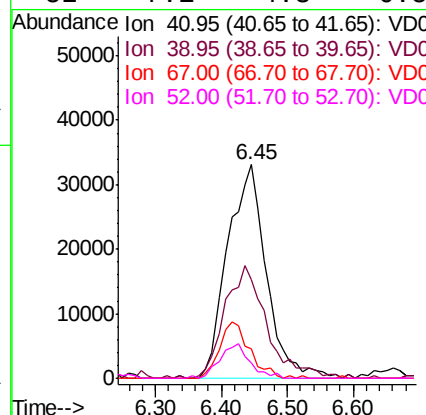
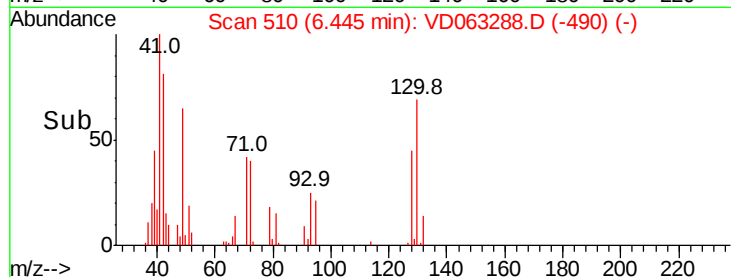
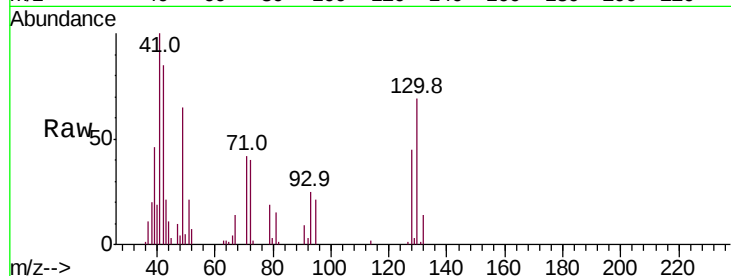




#41
Methacrylonitrile
Concen: 18.379 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

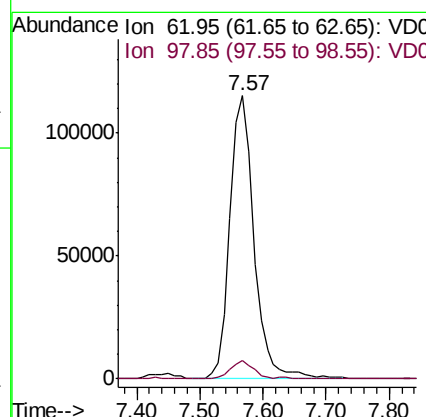
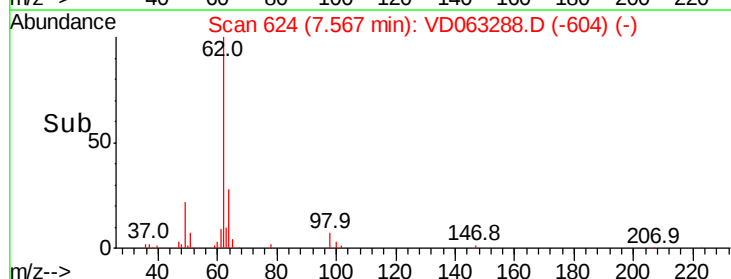
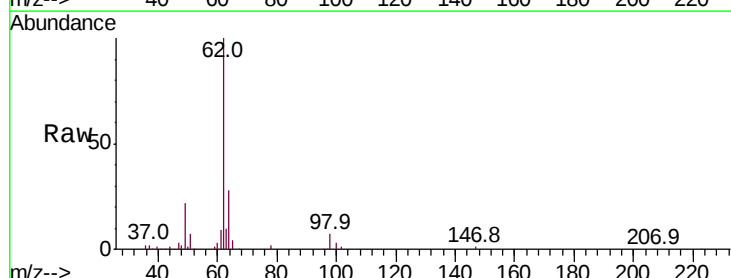
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

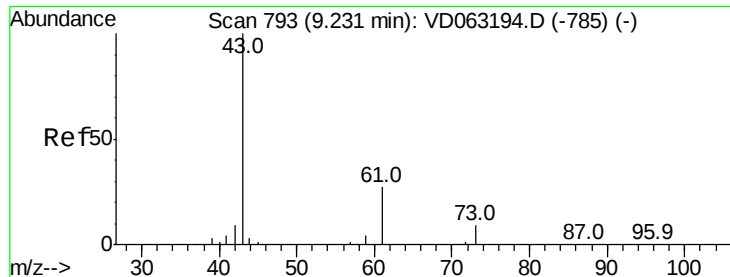
Tot Ion: 41 Resp: 135715
Ion Ratio Lower Upper
41 100
39 46.2 38.4 57.6
67 13.9 6.7 10.1#
52 7.1 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 20.117 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 62 Resp: 307033
Ion Ratio Lower Upper
62 100
98 6.6 0.0 9.8





#43

Isopropyl Acetate

Concen: 19.052 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

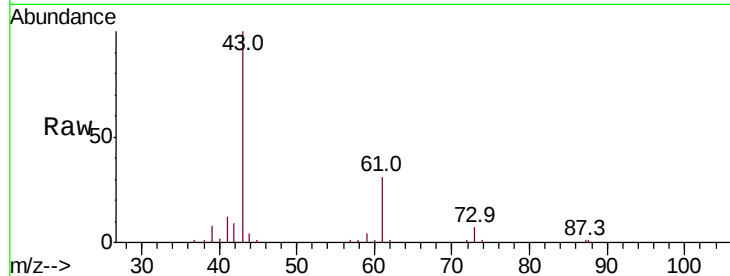
Tot Ion: 43 Resp: 150232

Ion Ratio Lower Upper

43 100

61 31.2 21.4 32.0

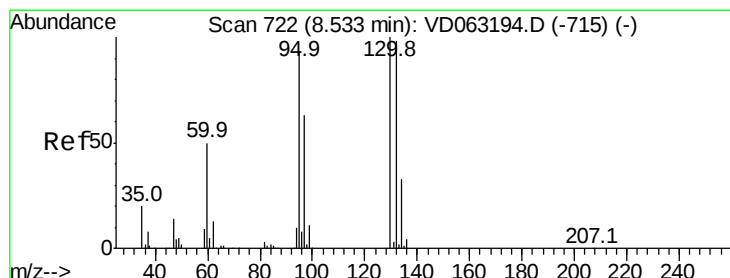
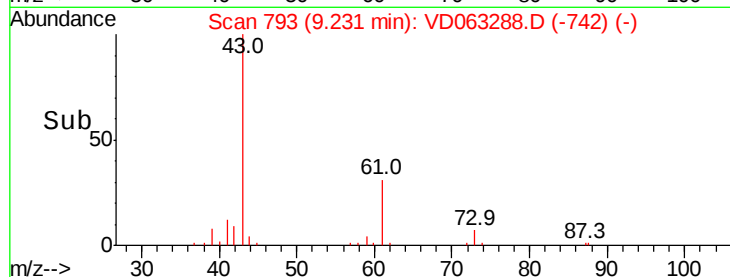
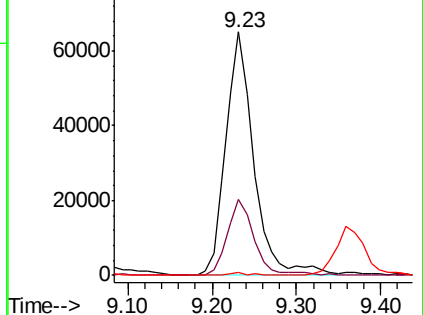
87 1.1 0.2 0.4#



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: 19.862 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063288.D

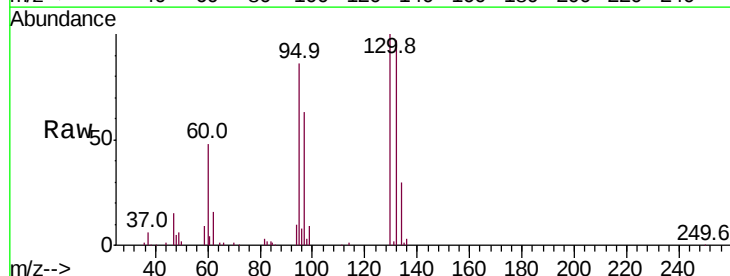
Acq: 1 Aug 2019 11:56

Tgt Ion:130 Resp: 231768

Ion Ratio Lower Upper

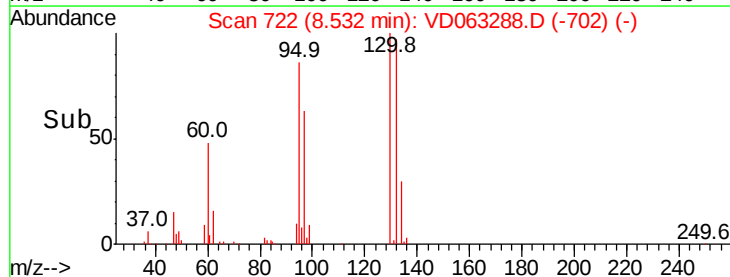
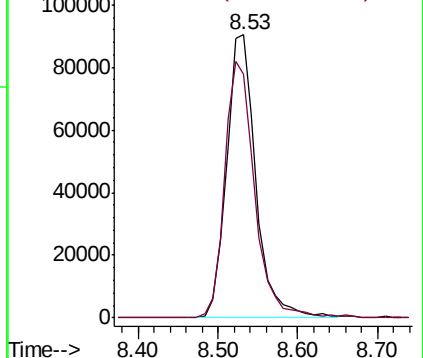
130 100

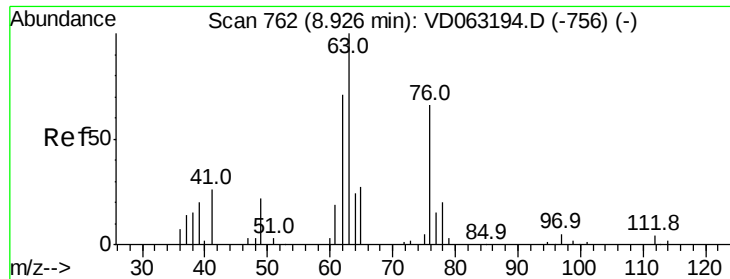
95 86.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.222 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

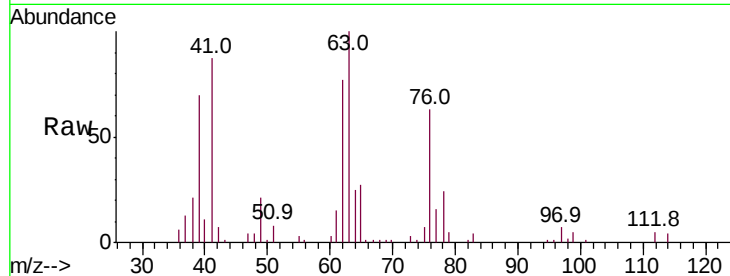
VD0801SBSD01

Tot Ion: 63 Resp: 140697

Ion Ratio Lower Upper

63 100

65 26.8 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

60000

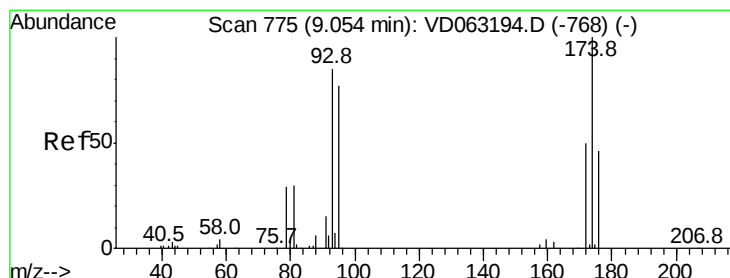
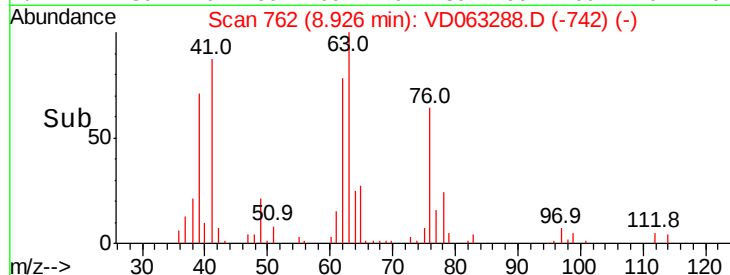
40000

20000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 19.584 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

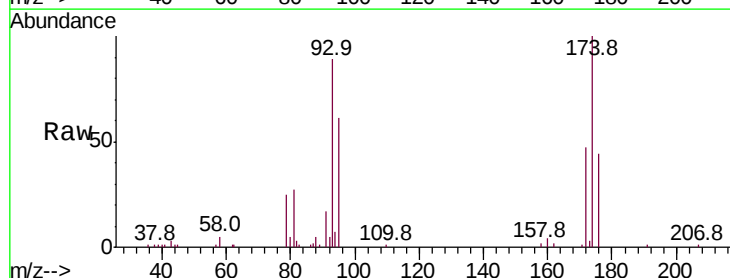
Tgt Ion: 93 Resp: 119190

Ion Ratio Lower Upper

93 100

95 68.1 72.8 109.2#

174 112.3 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.05

60000

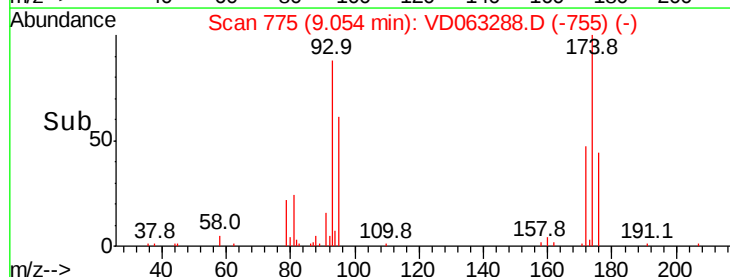
40000

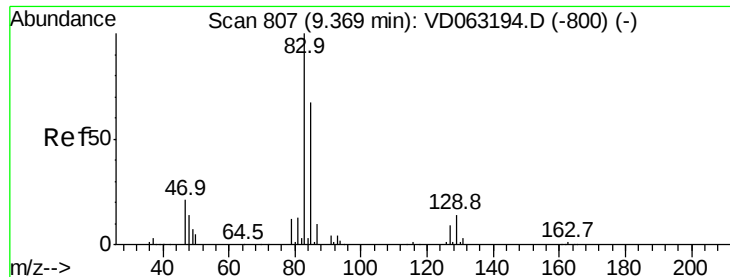
20000

0

8.90 9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 20.077 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

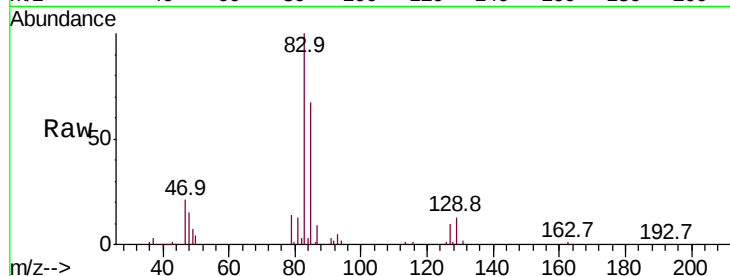
Tot Ion: 83 Resp: 311473

Ion Ratio Lower Upper

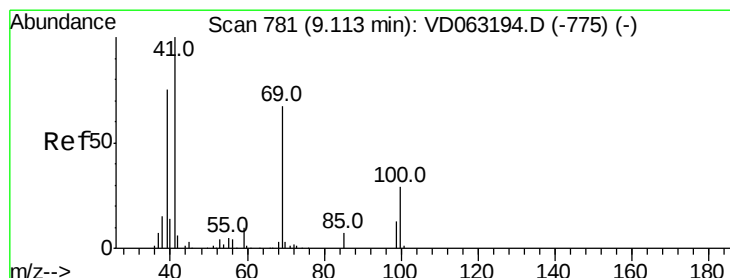
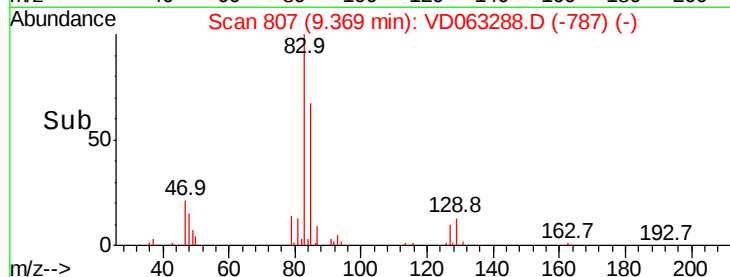
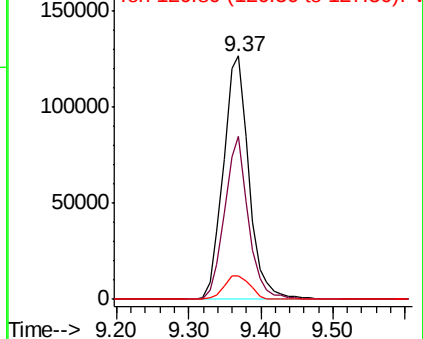
83 100

85 66.8 53.6 80.4

127 9.6 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 17.009 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

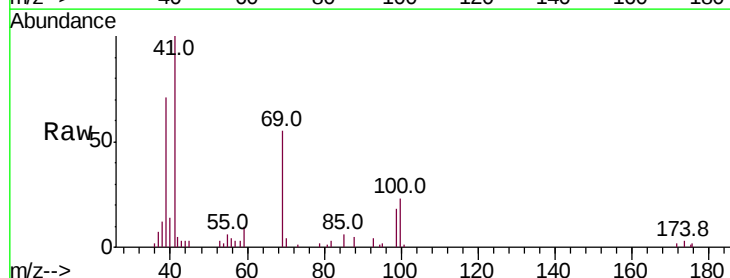
Tgt Ion: 41 Resp: 86989

Ion Ratio Lower Upper

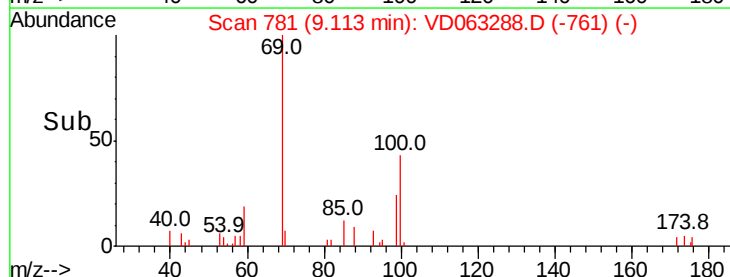
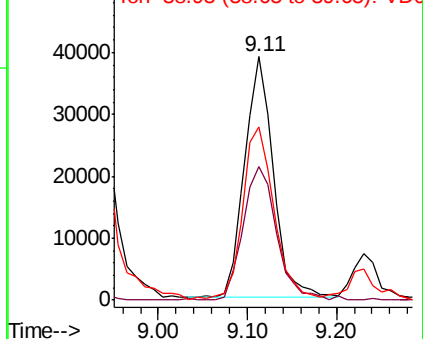
41 100

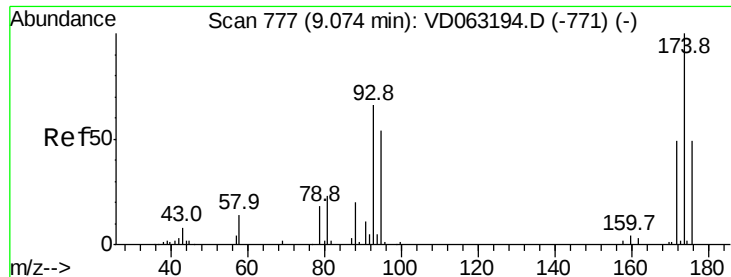
69 55.0 53.4 80.0

39 71.4 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

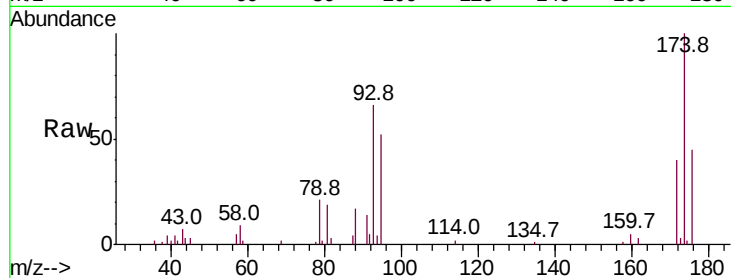




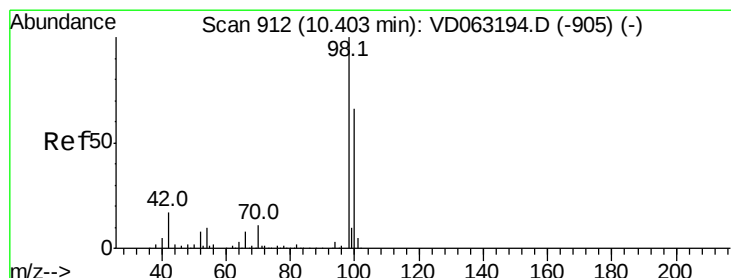
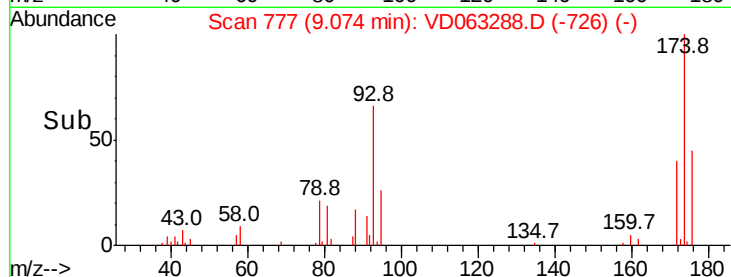
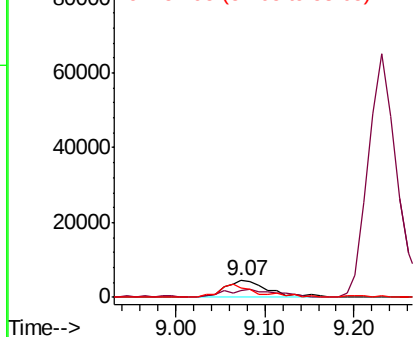
#49
1,4-Dioxane
Concen: 350.233 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

Tot Ion: 88 Resp: 15289
Ion Ratio Lower Upper
88 100
43 39.1 30.7 46.1
58 55.4 56.5 84.7#

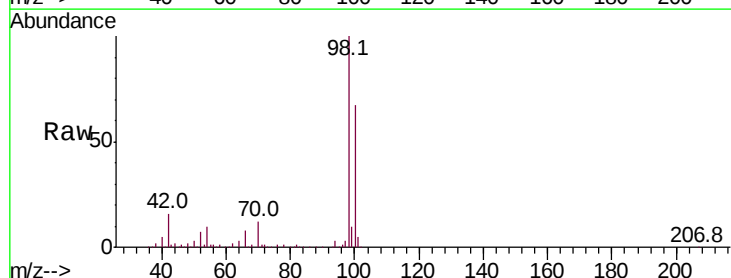


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

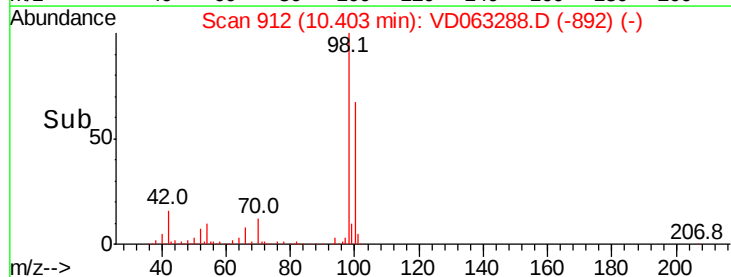
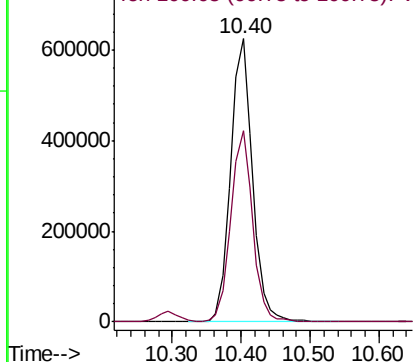


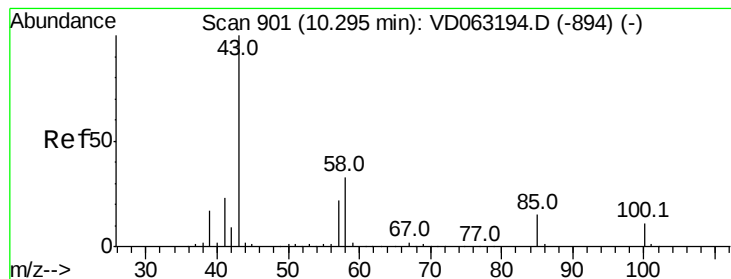
#50
Toluene-d8
Concen: 47.639 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 98 Resp: 1370516
Ion Ratio Lower Upper
98 100
100 67.4 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 92.023 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

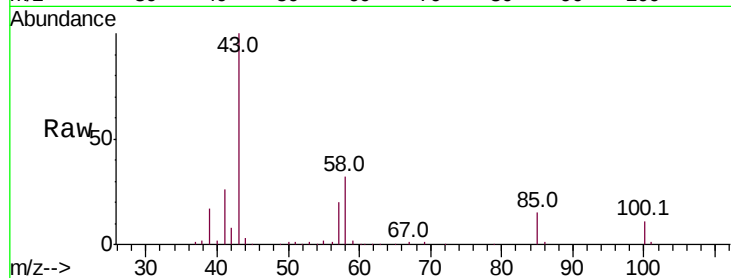
VD0801SBS01

Tot Ion: 43 Resp: 493499

Ion Ratio Lower Upper

43 100

58 32.2 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

150000

100000

50000

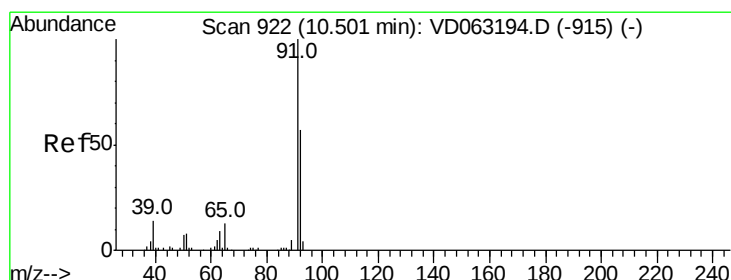
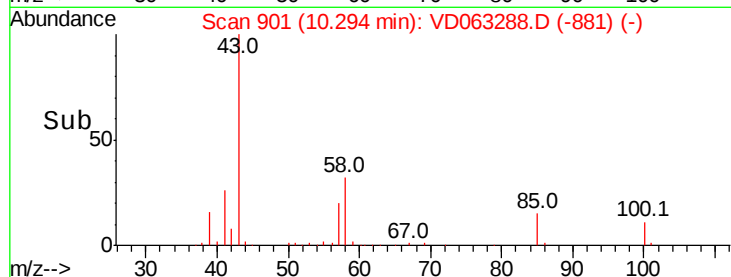
0

10.20

10.30

10.40

Time-->



#52

Toluene

Concen: 21.458 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063288.D

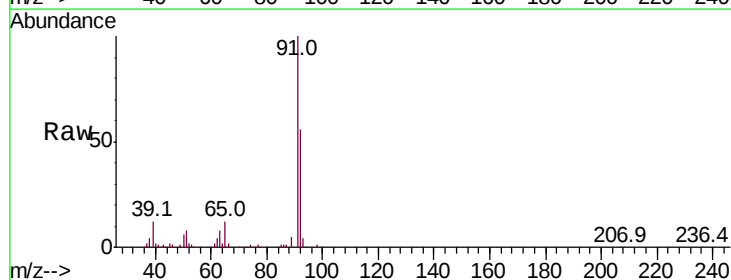
Acq: 1 Aug 2019 11:56

Tgt Ion: 92 Resp: 410996

Ion Ratio Lower Upper

92 100

91 177.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

200000

100000

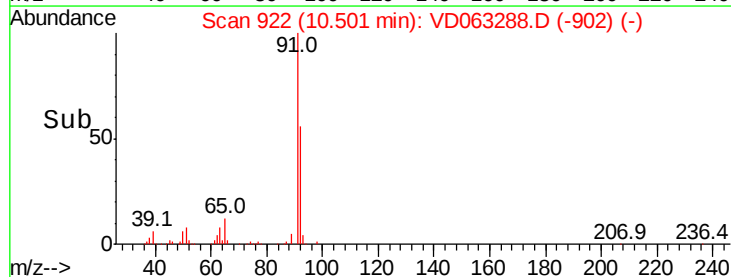
0

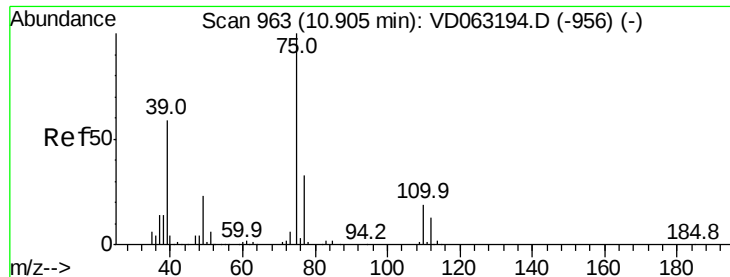
10.40

10.50

10.60

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.254 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

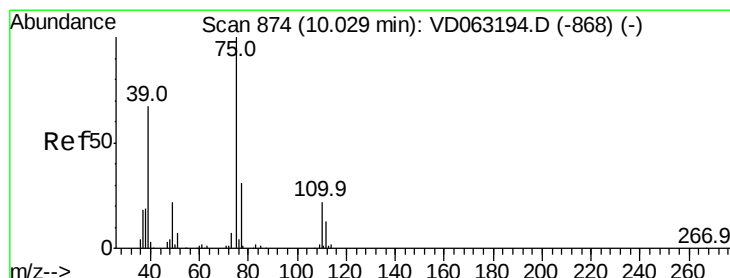
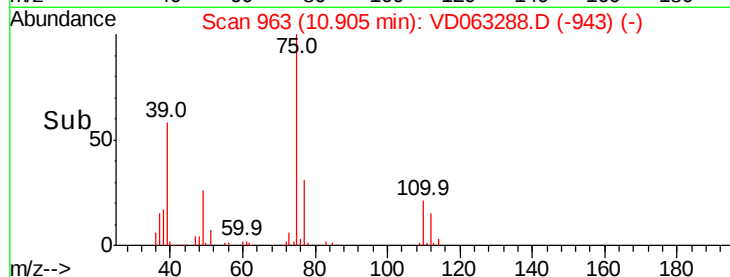
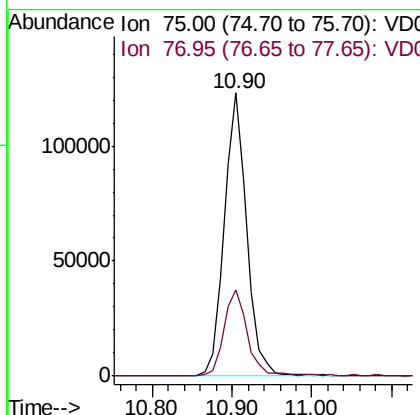
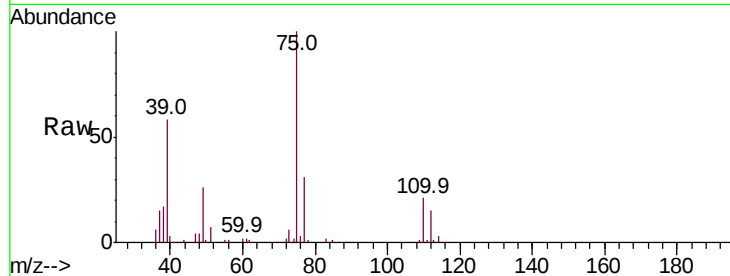
Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

Tot Ion: 75 Resp: 244151

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.6	40.0



#54

cis-1,3-Dichloropropene

Concen: 19.263 ug/l

RT: 10.03 min Scan# 874

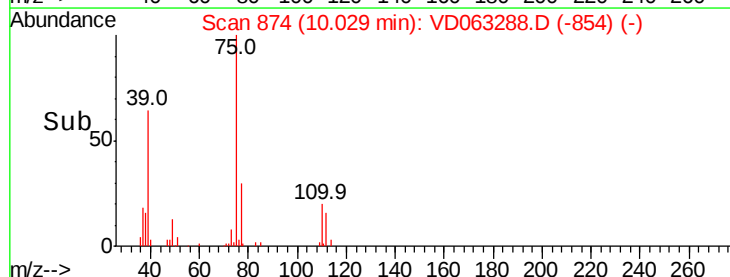
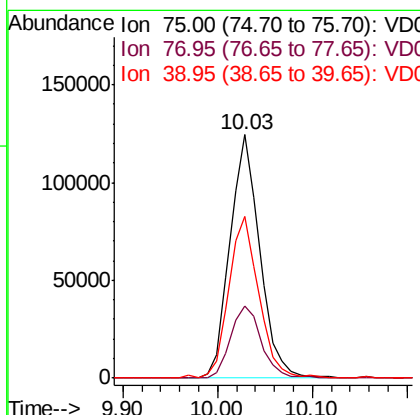
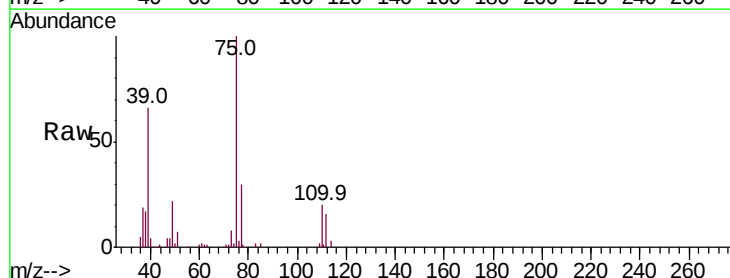
Delta R.T. -0.00 min

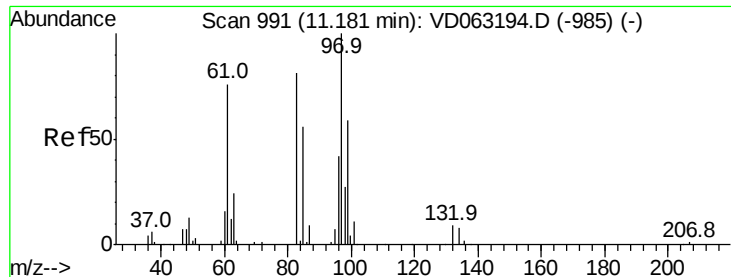
Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Tgt Ion: 75 Resp: 270782

Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.9	37.3
39	66.5	53.9	80.9

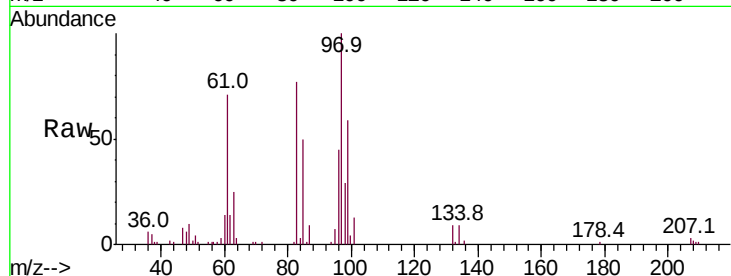




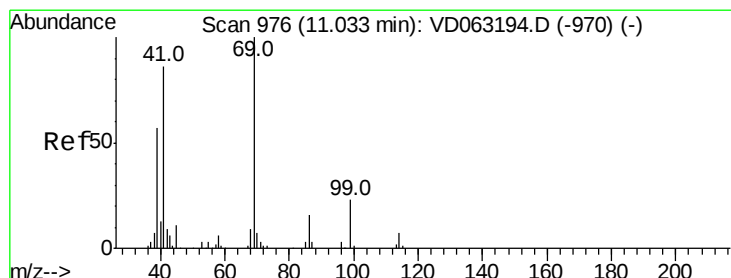
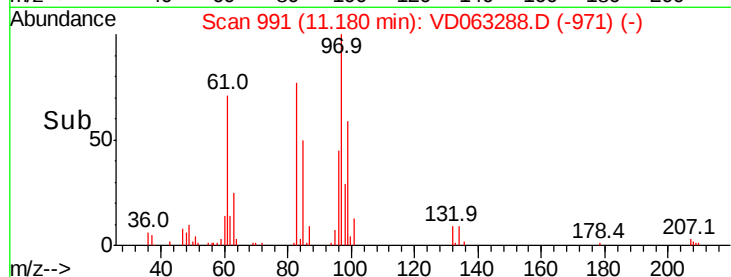
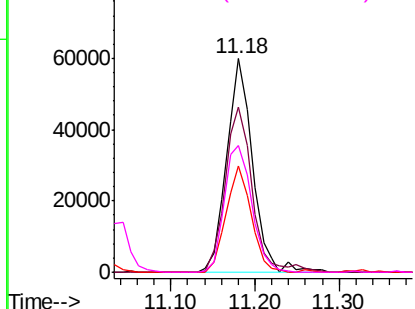
#55
 1,1,2-Trichloroethane
 Concen: 19.773 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBSD01

Tot Ion:	97	Resp:	127905
Ion	Ratio	Lower	Upper
97	100		
83	77.5	64.8	97.2
85	49.6	44.9	67.3
99	59.2	47.2	70.8

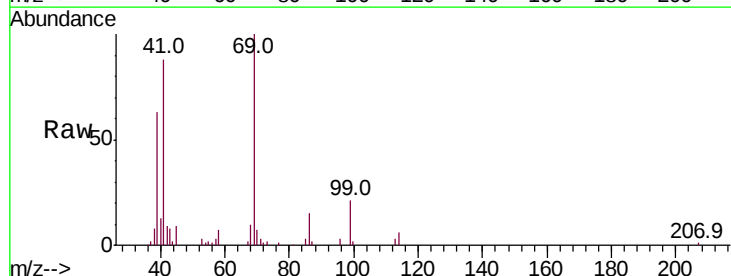


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

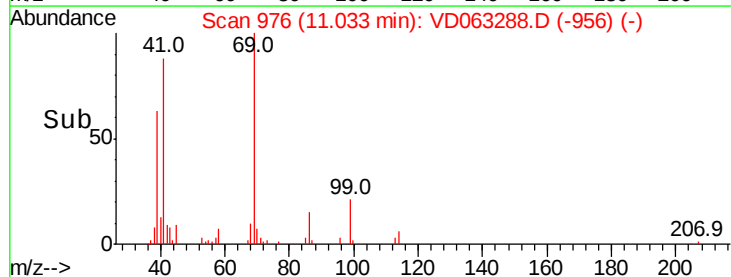
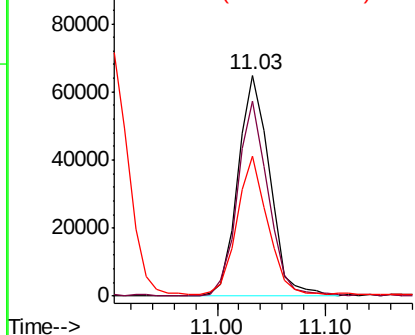


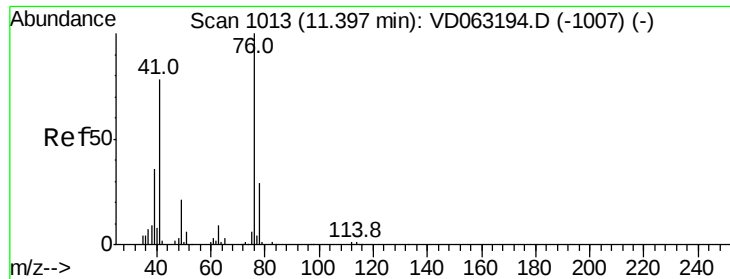
#56
 Ethyl methacrylate
 Concen: 18.704 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Tgt Ion:	69	Resp:	132485
Ion	Ratio	Lower	Upper
69	100		
41	88.2	68.8	103.2
39	63.4	45.8	68.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 17.161 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

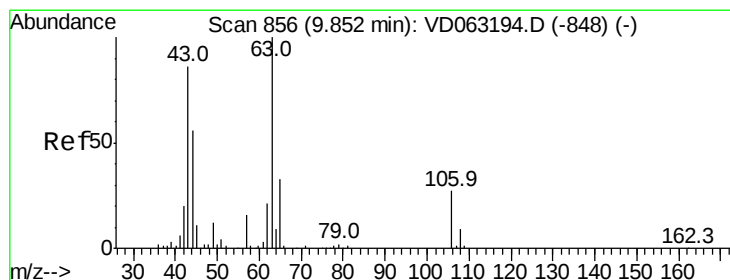
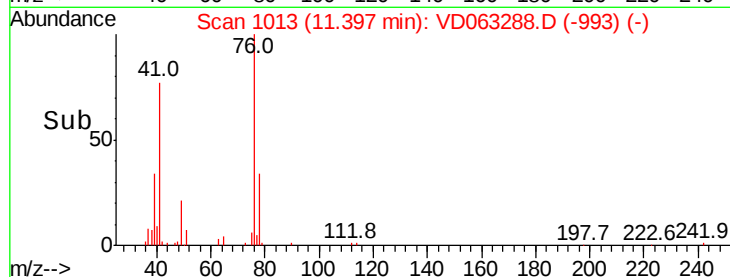
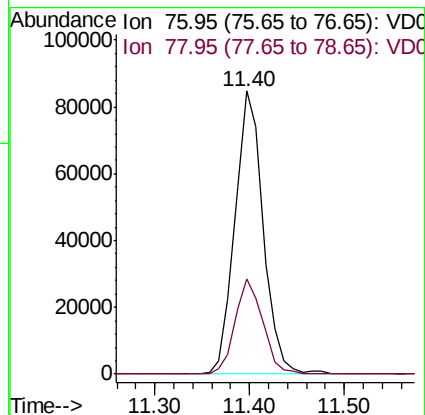
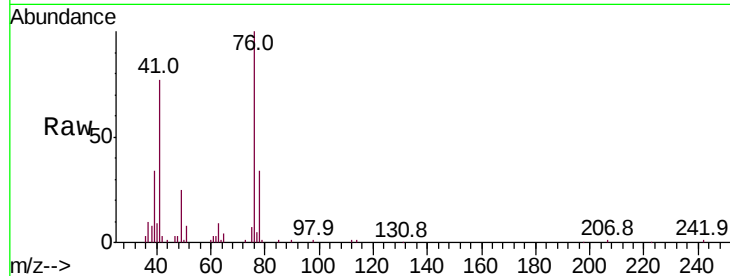
VD0801SBS01

Tot Ion: 76 Resp: 174902

Ion Ratio Lower Upper

76 100

78 33.7 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 90.269 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063288.D

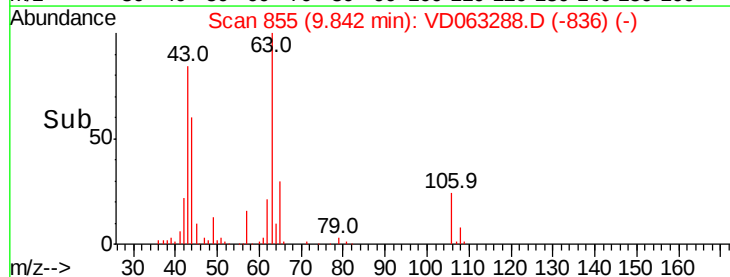
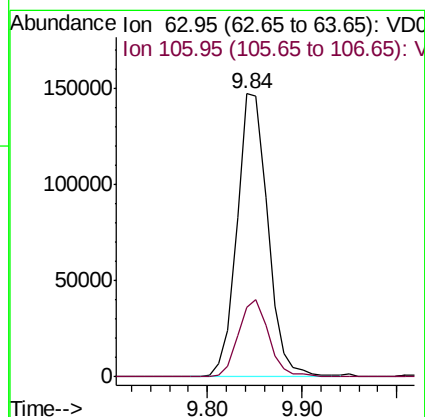
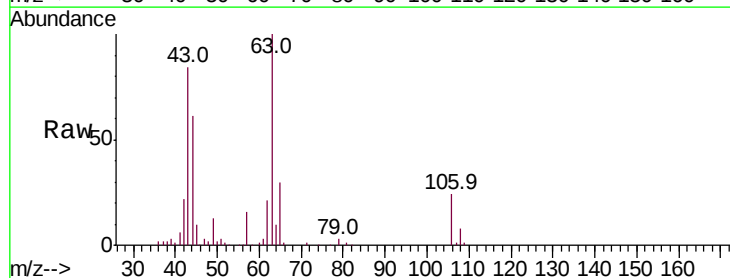
Acq: 1 Aug 2019 11:56

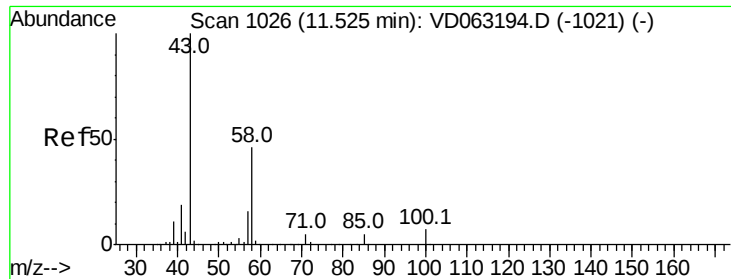
Tgt Ion: 63 Resp: 332712

Ion Ratio Lower Upper

63 100

106 24.5 22.0 33.0

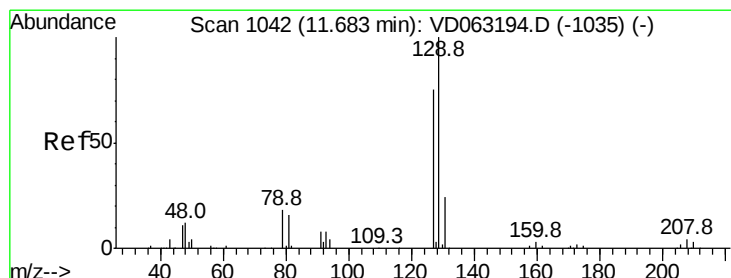
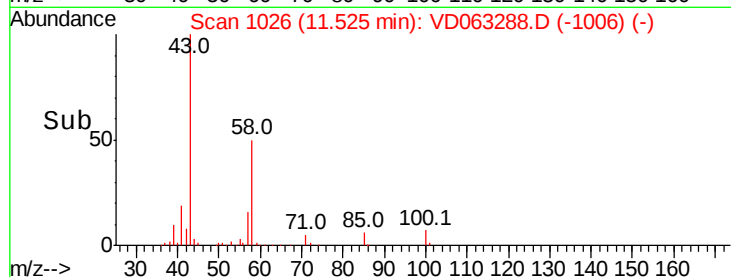
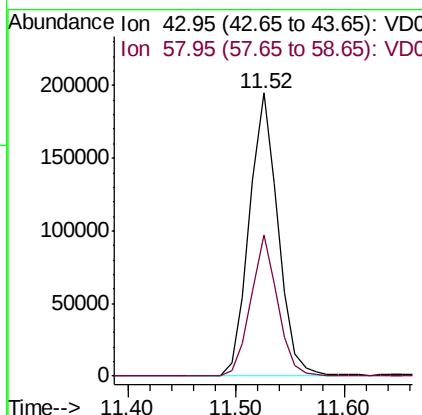
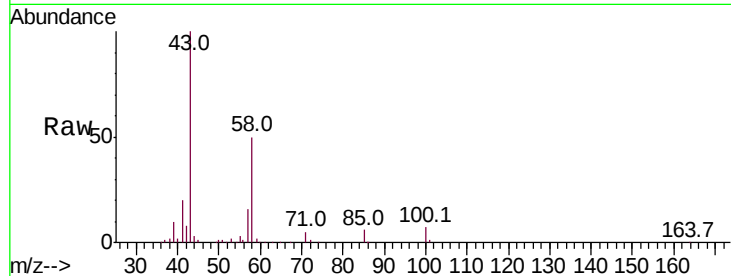




#59
2-Hexanone
Concen: 93.263 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

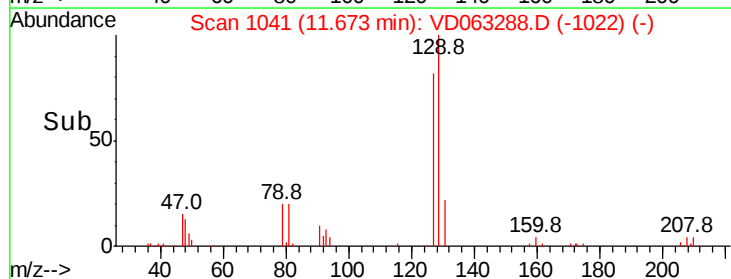
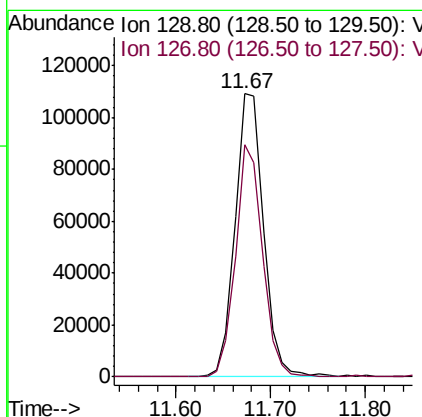
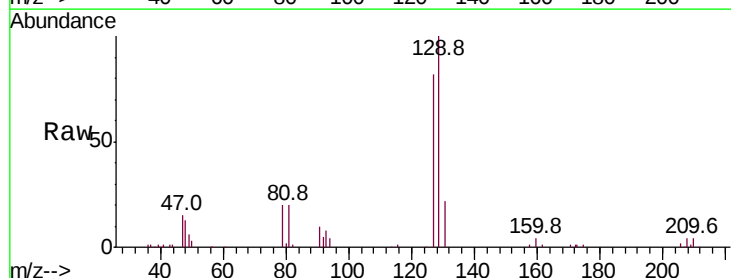
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

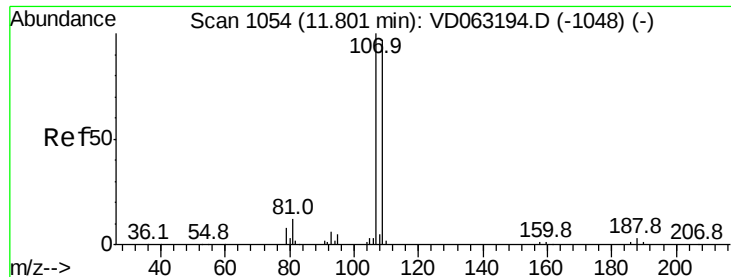
Tot Ion: 43 Resp: 360427
Ion Ratio Lower Upper
43 100
58 49.9 22.9 68.5



#60
Dibromochloromethane
Concen: 18.593 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 129 Resp: 227053
Ion Ratio Lower Upper
129 100
127 82.2 37.6 112.8

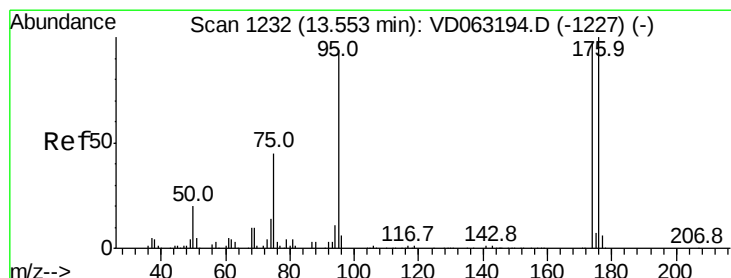
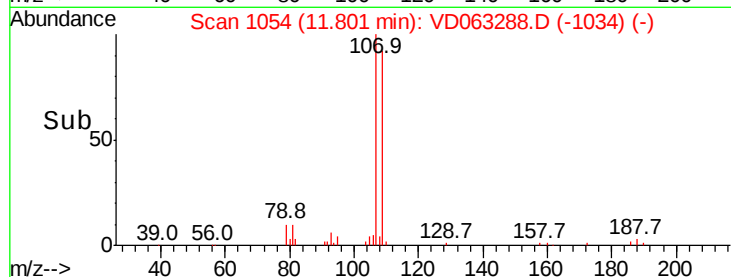
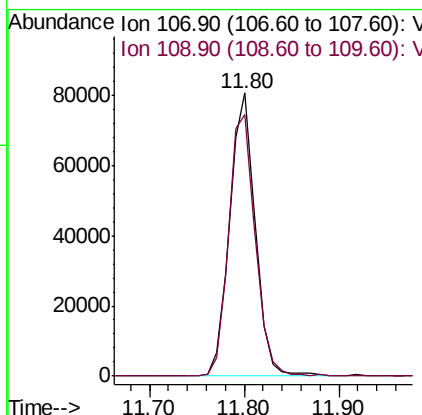
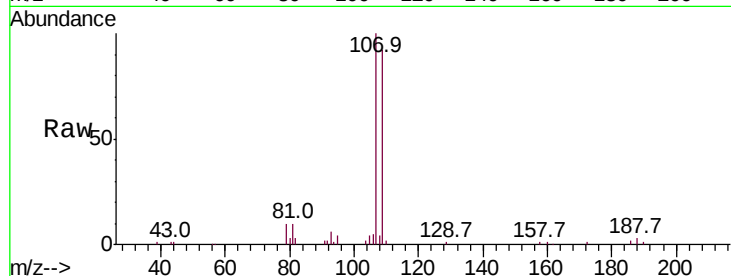




#61
 1,2-Dibromoethane
 Concen: 18.841 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

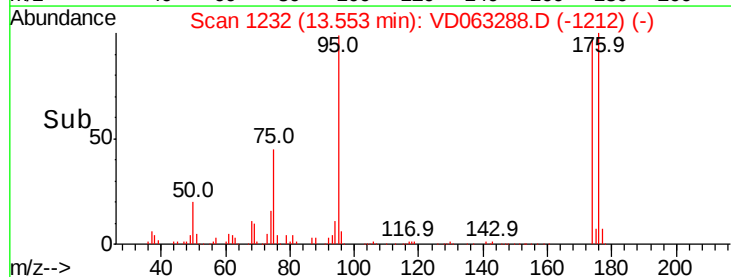
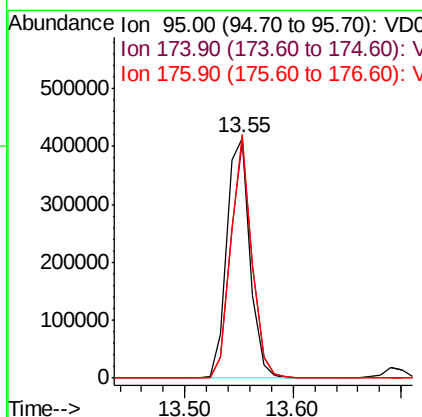
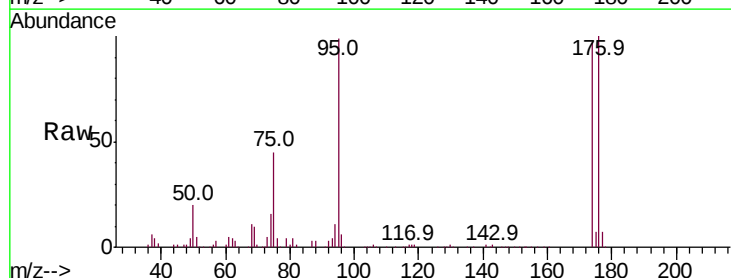
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBSD01

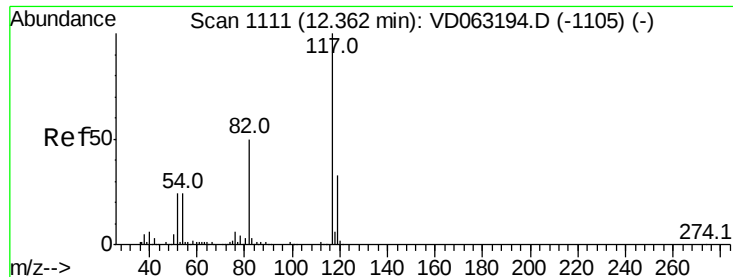
Tot Ion:107 Resp: 150390
 Ion Ratio Lower Upper
 107 100
 109 92.3 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 47.094 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Tgt Ion: 95 Resp: 617387
 Ion Ratio Lower Upper
 95 100
 174 98.2 0.0 205.4
 176 101.4 0.0 211.8

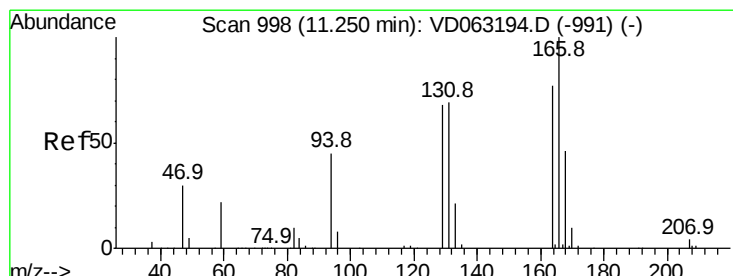
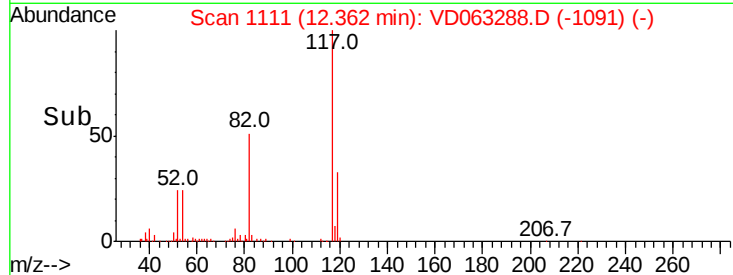
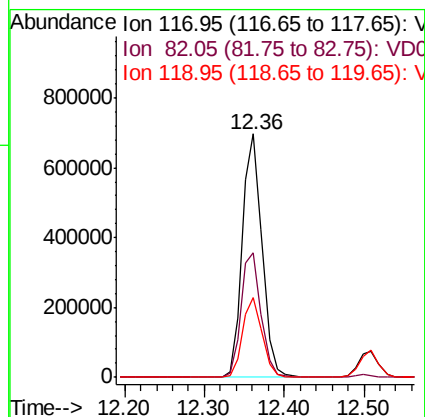
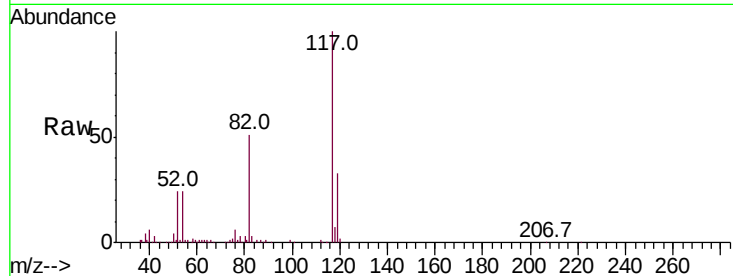




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

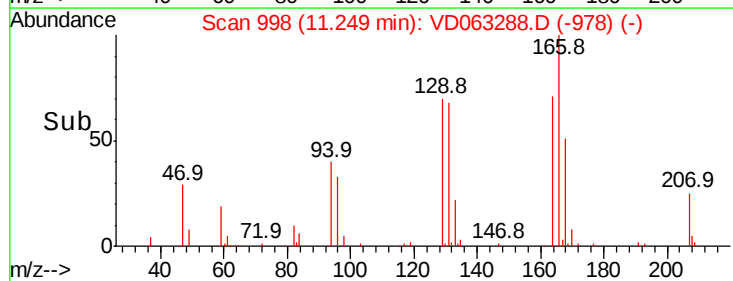
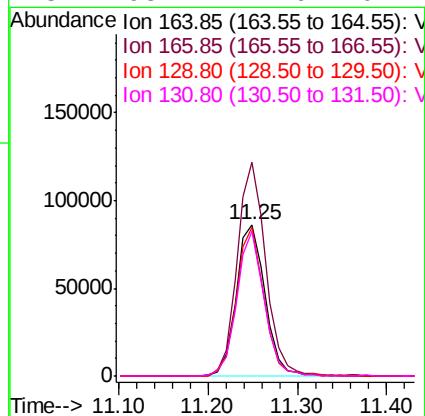
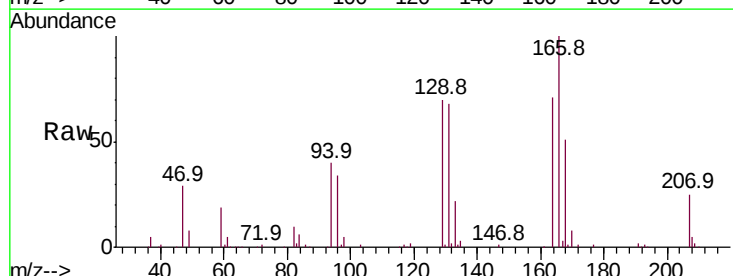
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

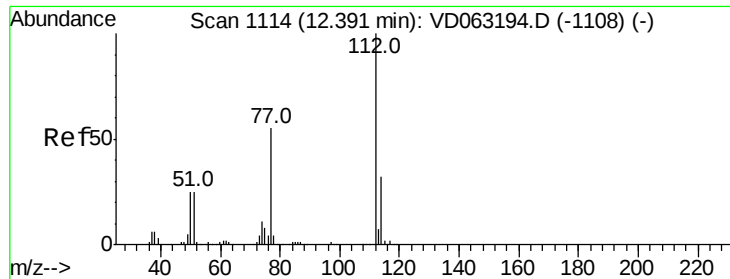
Tot Ion:117 Resp: 1198117
Ion Ratio Lower Upper
117 100
82 51.0 40.1 60.1
119 32.8 26.5 39.7



#64
Tetrachloroethene
Concen: 20.408 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion:164 Resp: 194791
Ion Ratio Lower Upper
164 100
166 141.1 104.3 156.5
129 98.4 70.9 106.3
131 95.4 71.6 107.4

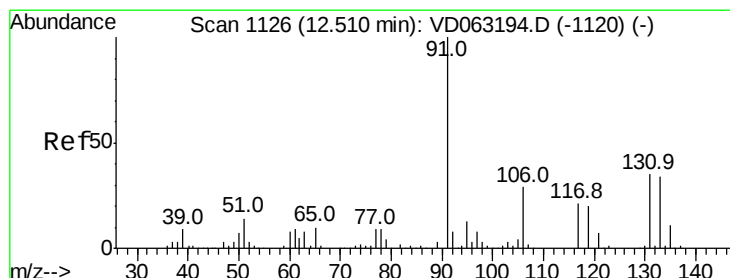
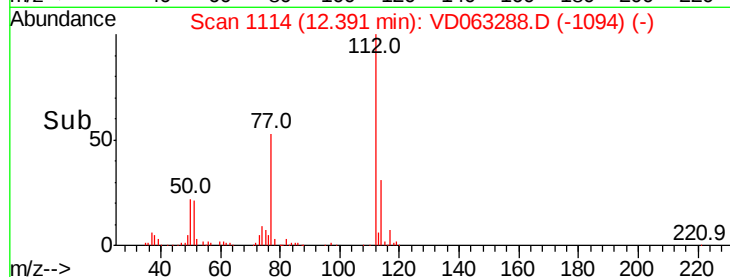
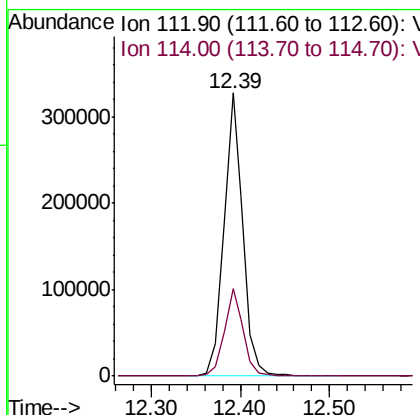
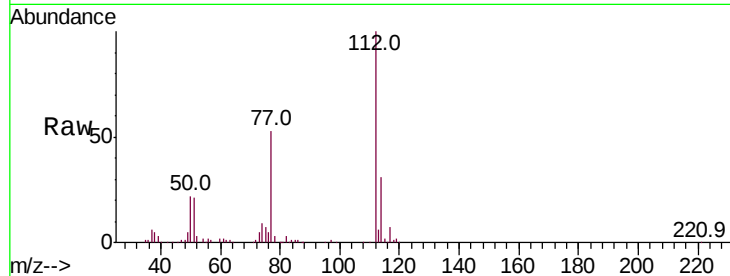




#65
Chlorobenzene
Concen: 21.183 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

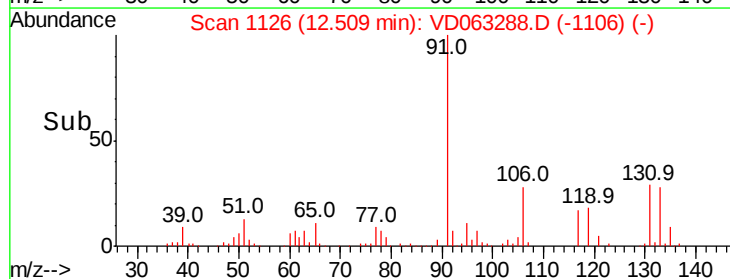
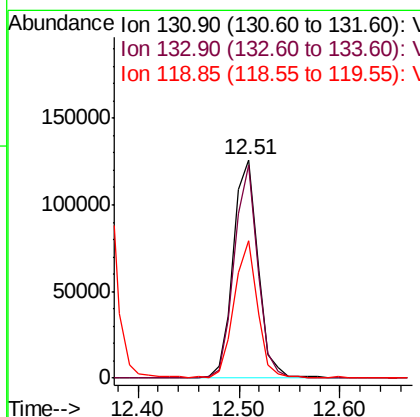
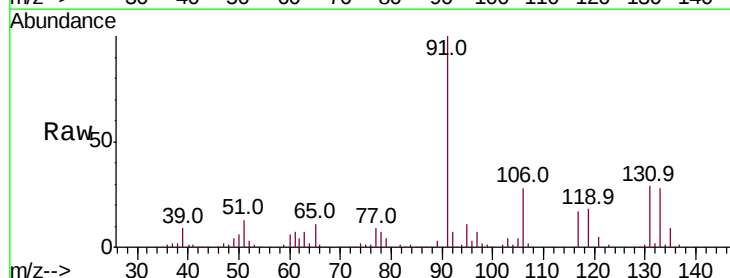
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

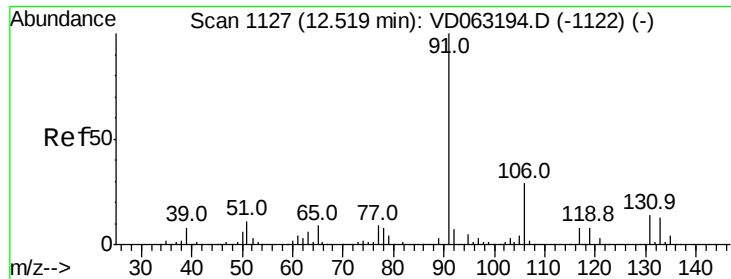
Tot Ion:112 Resp: 488156
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.132 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion:131 Resp: 214510
Ion Ratio Lower Upper
131 100
133 97.5 48.4 145.2
119 62.8 29.1 87.3

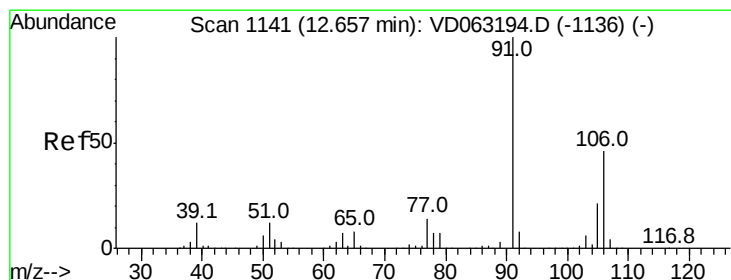
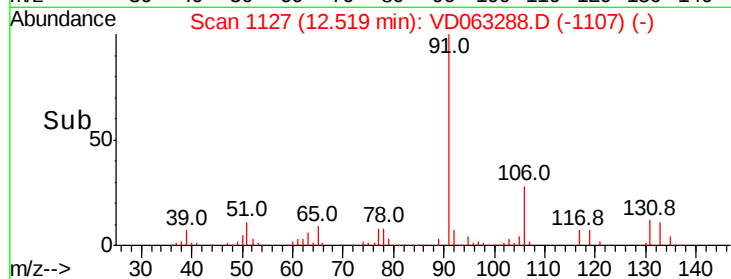
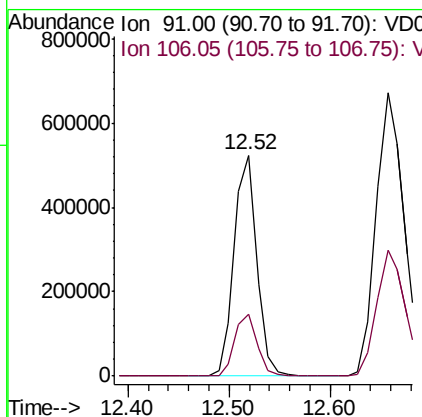
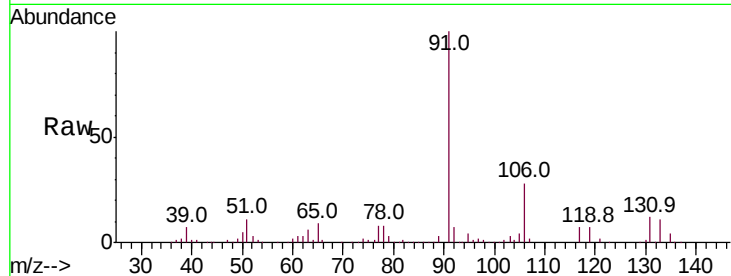




#67
Ethyl Benzene
Concen: 20.911 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

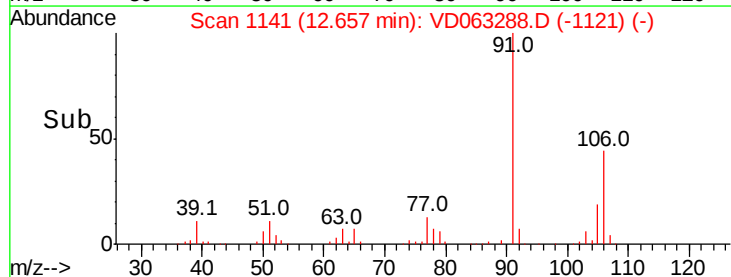
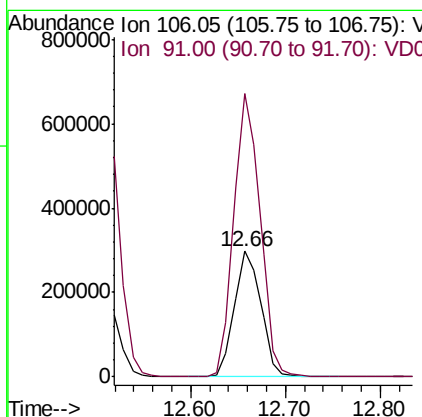
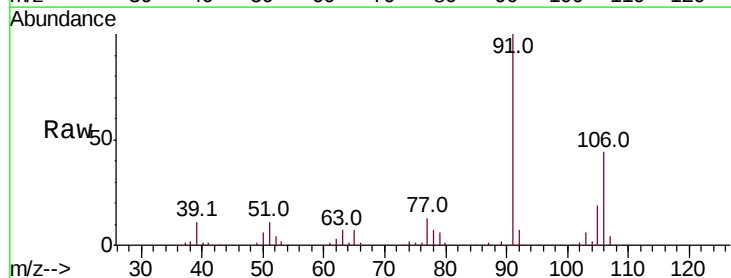
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

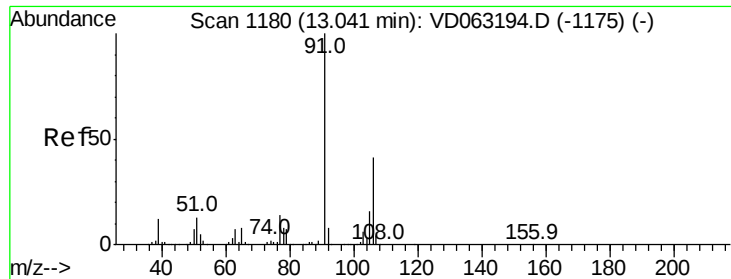
Tot Ion: 91 Resp: 818633
Ion Ratio Lower Upper
91 100
106 28.2 22.9 34.3



#68
m/p-Xylenes
Concen: 40.436 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 106 Resp: 580539
Ion Ratio Lower Upper
106 100
91 225.8 172.6 259.0

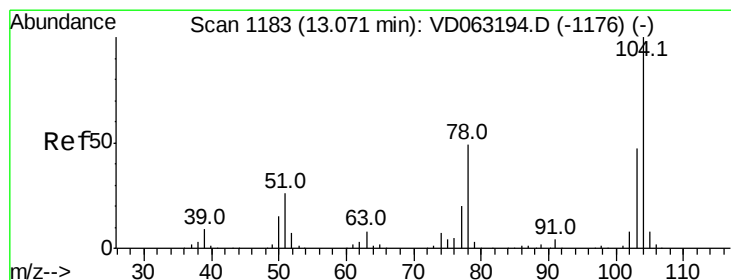
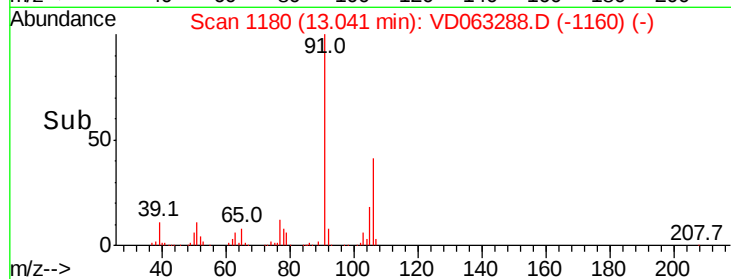
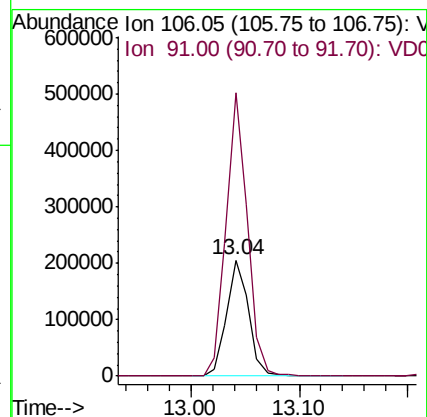
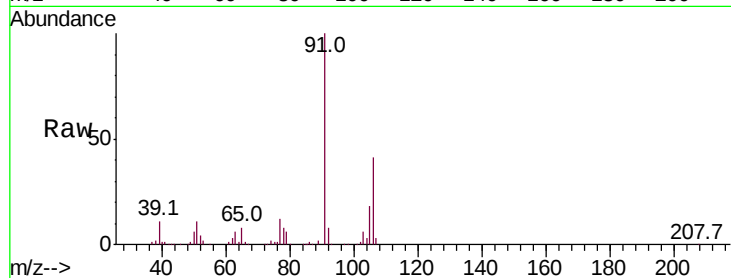




#69
o-Xylene
Concen: 22.192 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

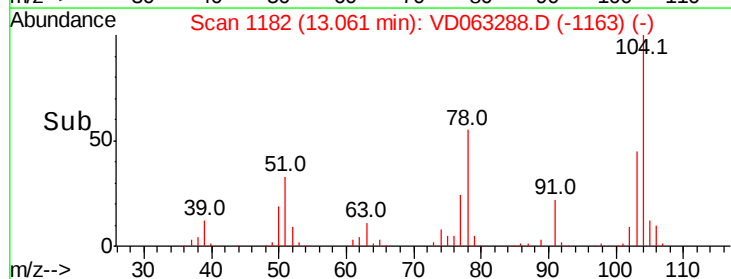
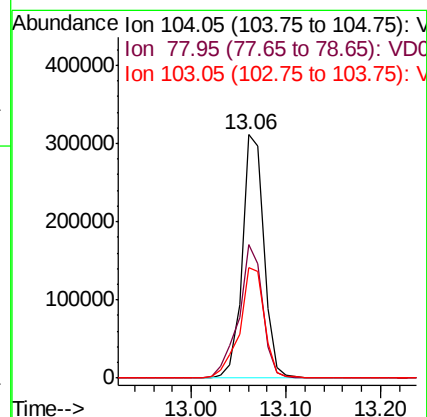
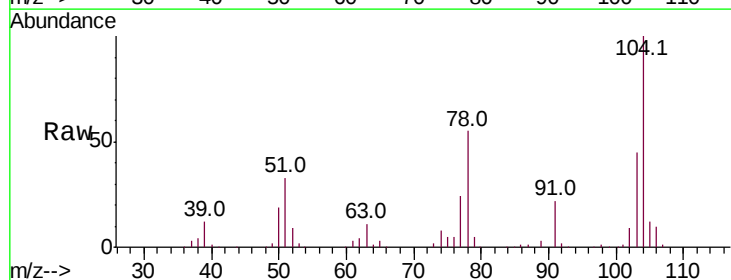
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

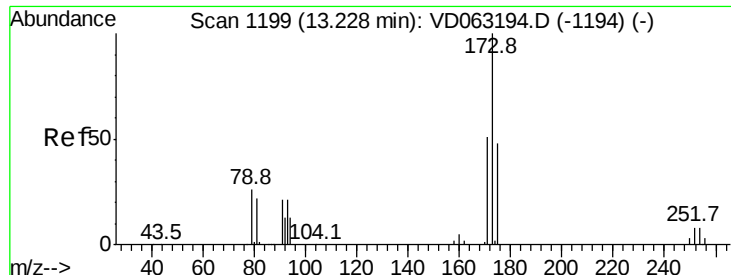
Tot Ion:106 Resp: 292583
Ion Ratio Lower Upper
106 100
91 244.3 121.3 363.9



#70
Styrene
Concen: 21.130 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion:104 Resp: 494047
Ion Ratio Lower Upper
104 100
78 54.6 39.4 59.0
103 45.3 37.4 56.2

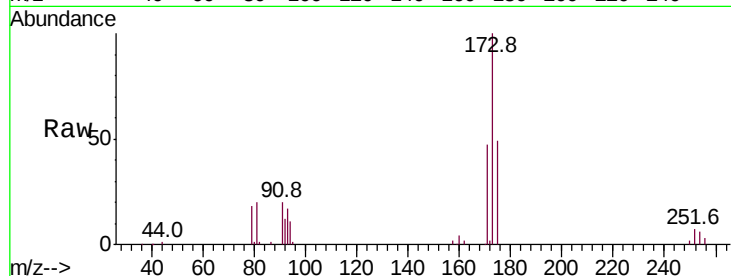




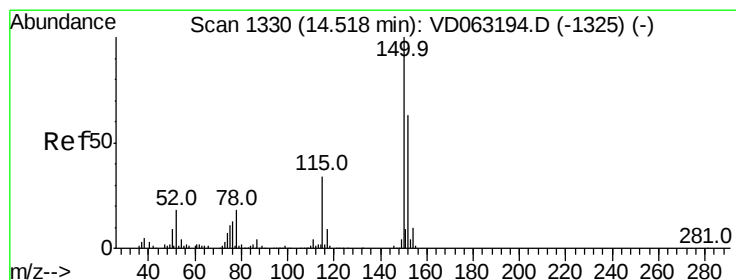
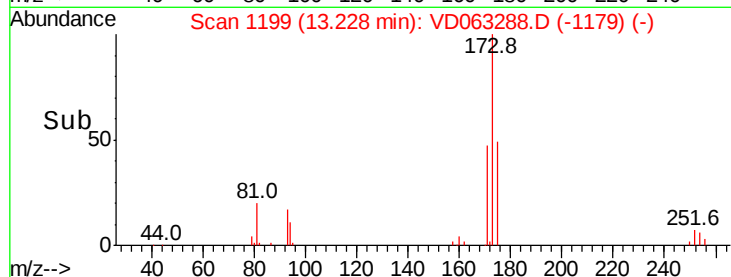
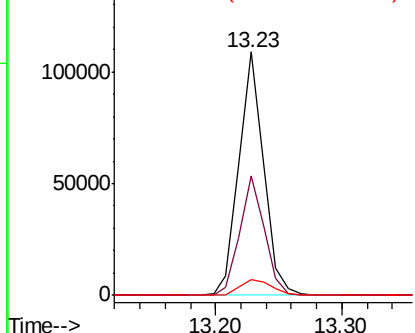
#71
Bromoform
Concen: 19.993 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

Tot Ion:173 Resp: 147589
Ion Ratio Lower Upper
173 100
175 49.3 23.8 71.5
254 6.4 6.6 10.0#

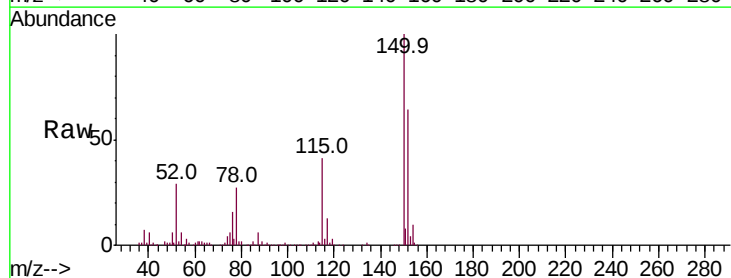


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

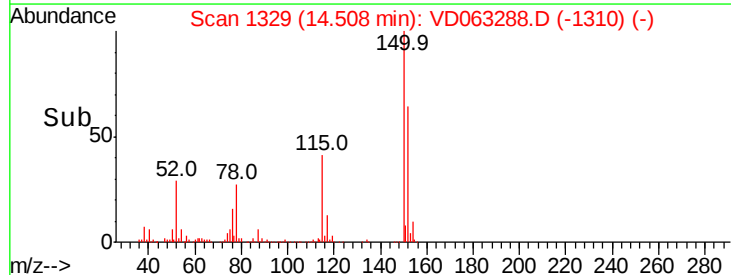
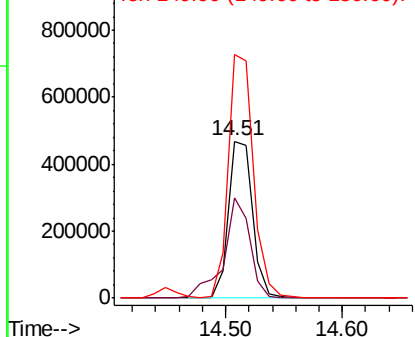


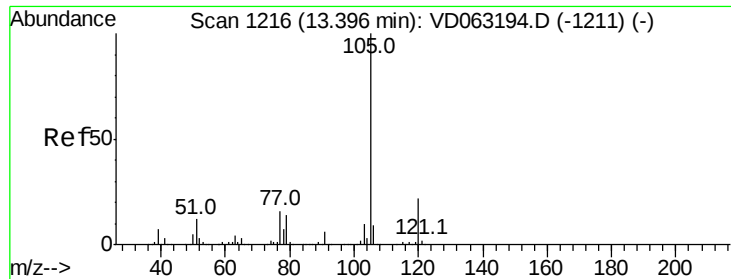
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion:152 Resp: 673949
Ion Ratio Lower Upper
152 100
115 63.6 27.5 82.4
150 155.4 0.0 320.6



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

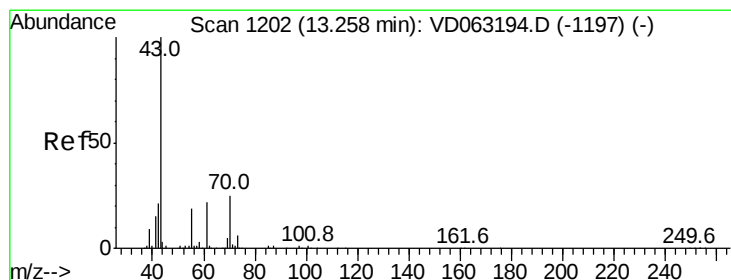
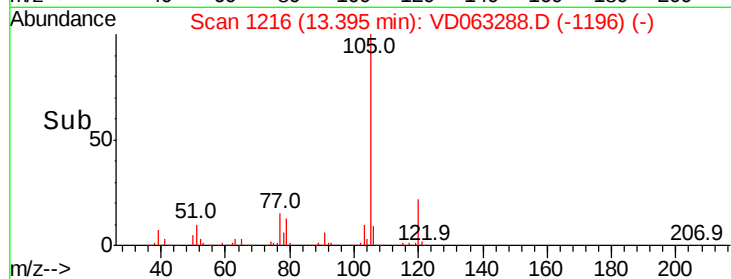
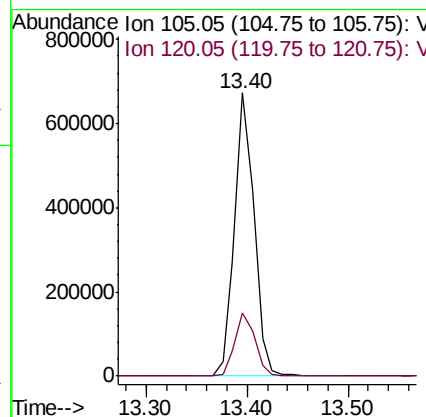
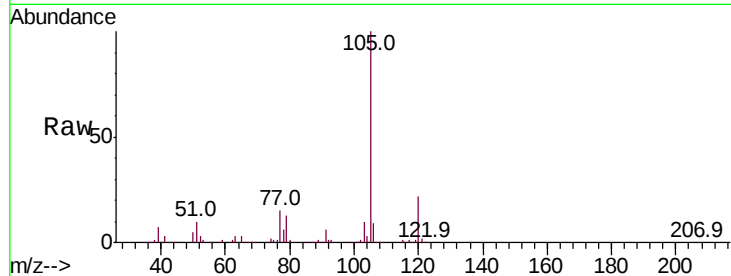




#73
Isopropylbenzene
Concen: 21.358 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

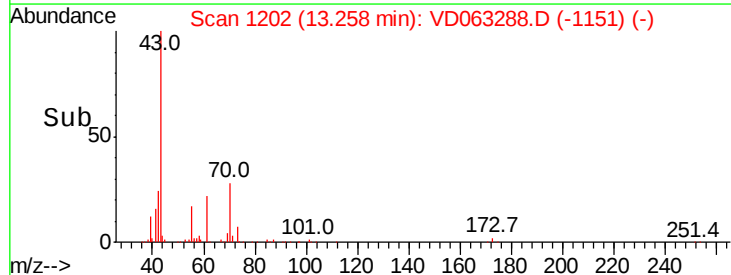
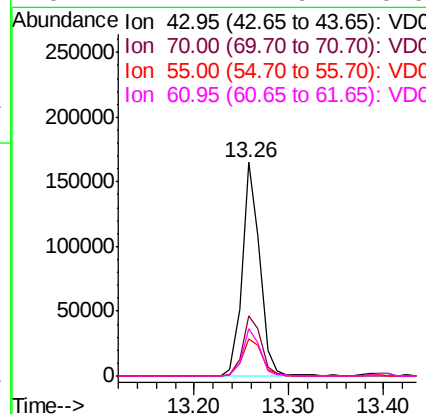
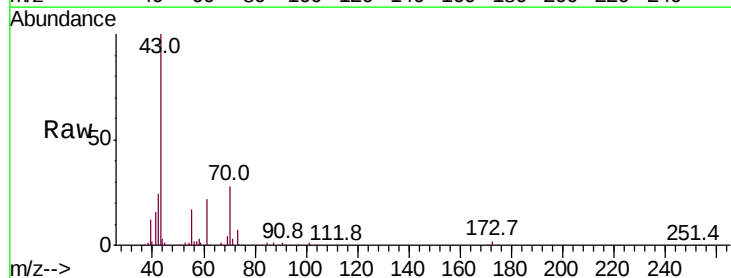
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBSD01

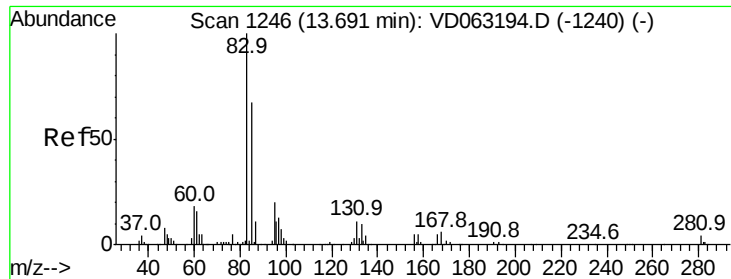
Tot Ion:105 Resp: 903440
Ion Ratio Lower Upper
105 100
120 22.4 11.1 33.3



#74
N-ethyl acetate
Concen: 18.946 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VD063288.D
Acq: 1 Aug 2019 11:56

Tgt Ion: 43 Resp: 211857
Ion Ratio Lower Upper
43 100
70 28.2 20.2 30.4
55 17.2 14.9 22.3
61 22.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.620 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

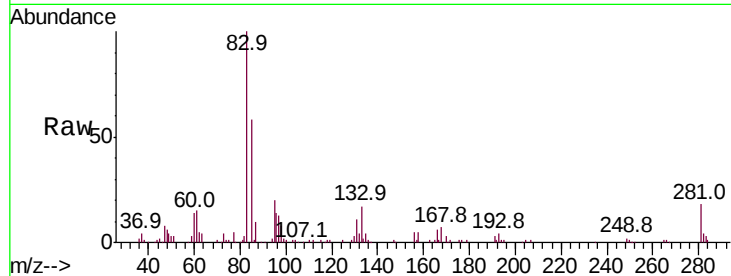
Tot Ion: 83 Resp: 133786

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

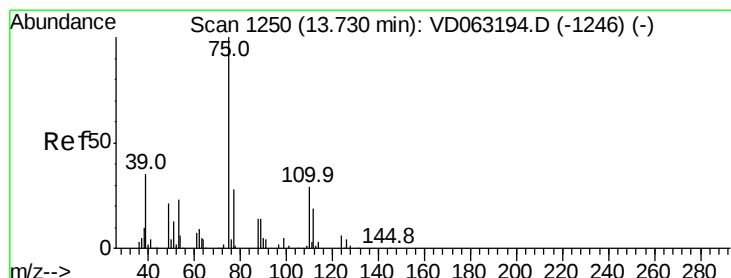
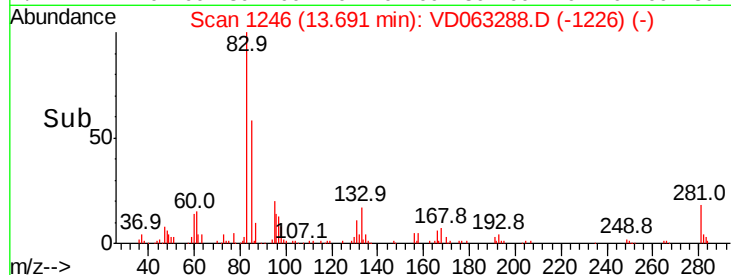
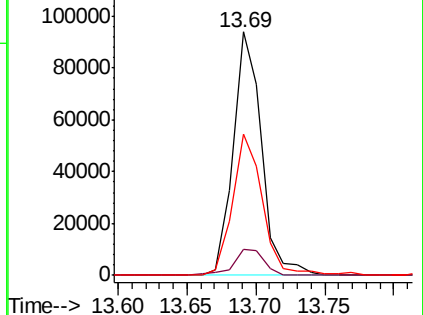
85 58.3 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.267 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063288.D

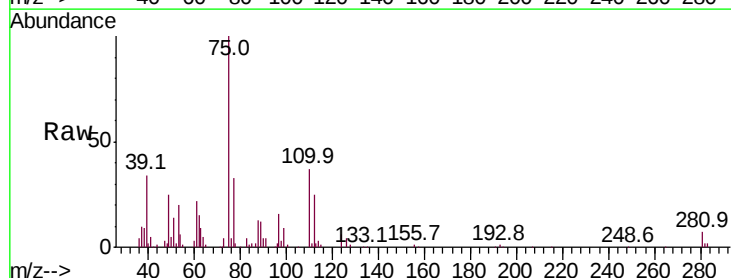
Acq: 1 Aug 2019 11:56

Tgt Ion: 75 Resp: 147873

Ion Ratio Lower Upper

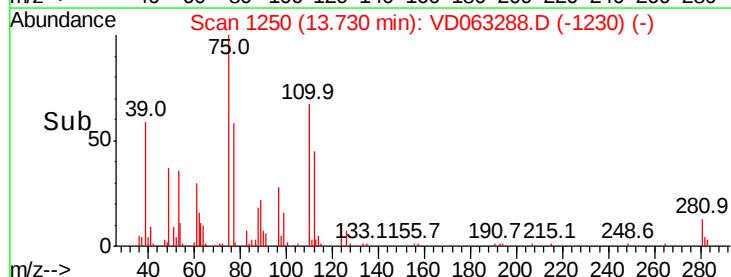
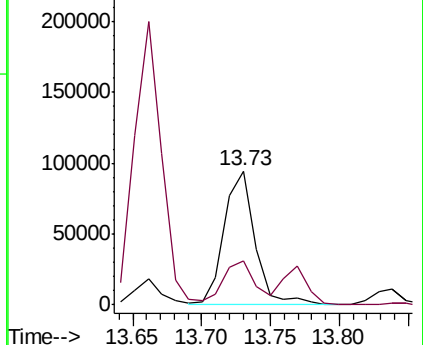
75 100

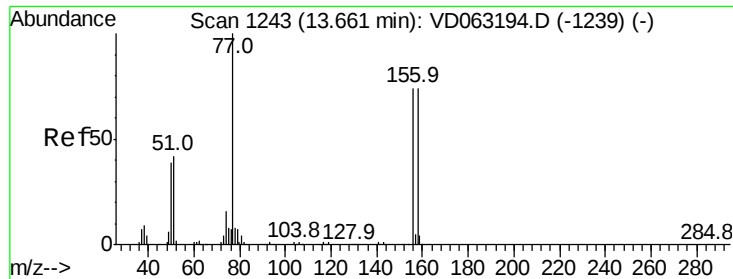
77 32.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.067 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

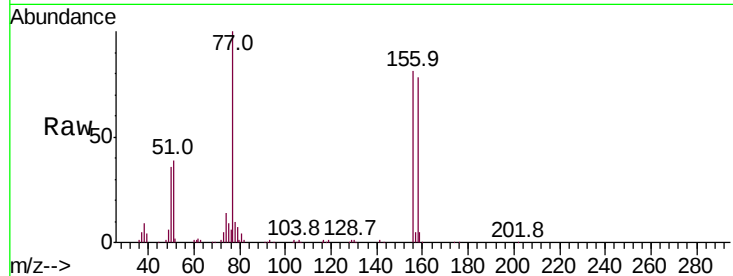
Tot Ion:156 Resp: 229747

Ion Ratio Lower Upper

156 100

77 122.8 67.6 202.8

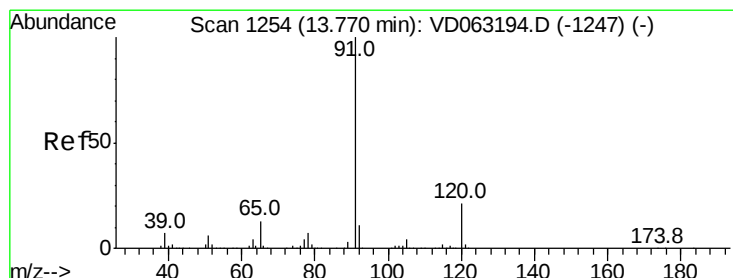
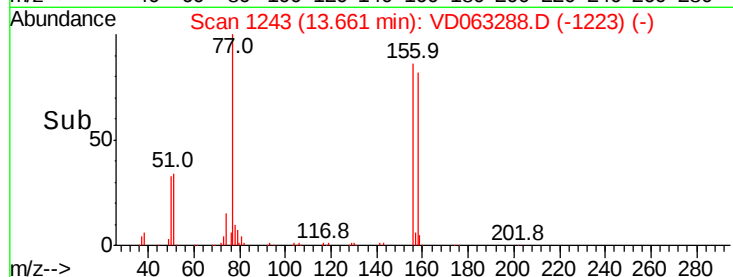
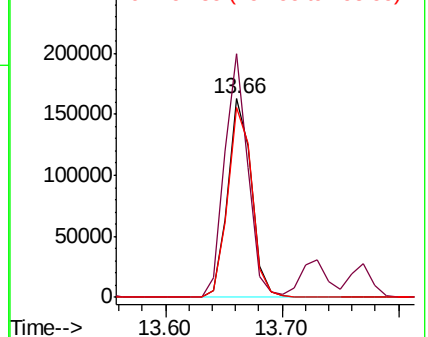
158 95.7 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.315 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063288.D

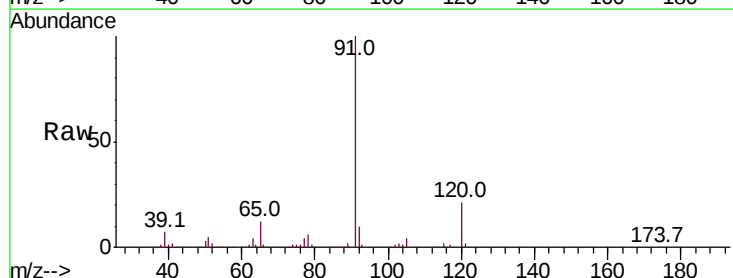
Acq: 1 Aug 2019 11:56

Tgt Ion: 91 Resp: 972274

Ion Ratio Lower Upper

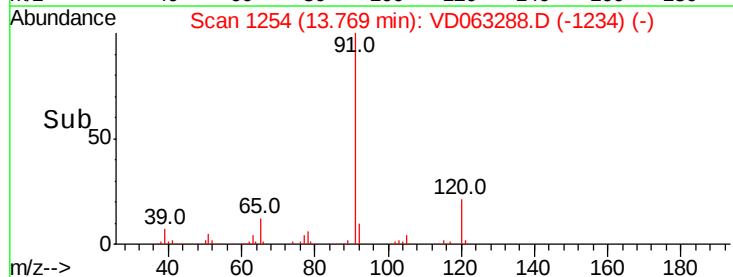
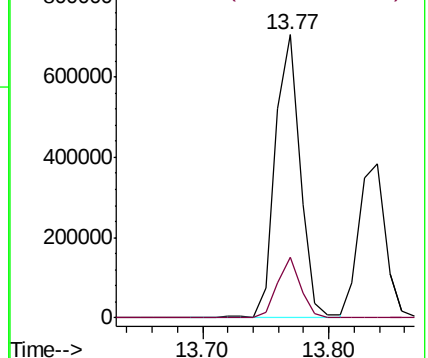
91 100

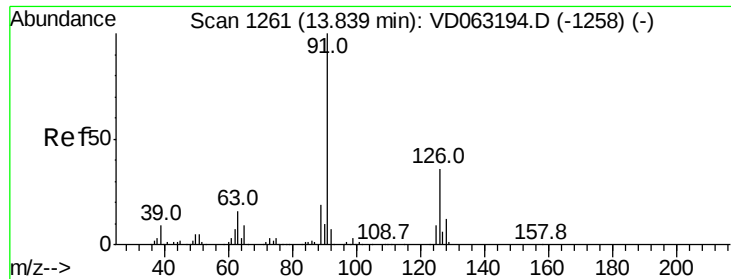
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

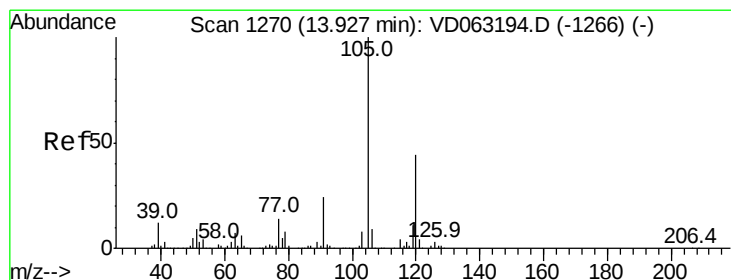
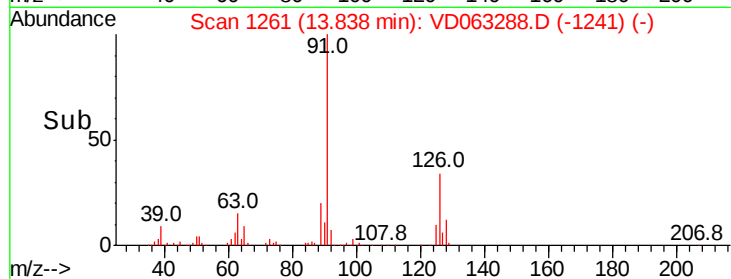
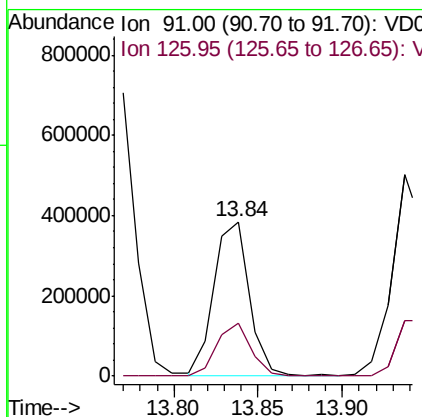
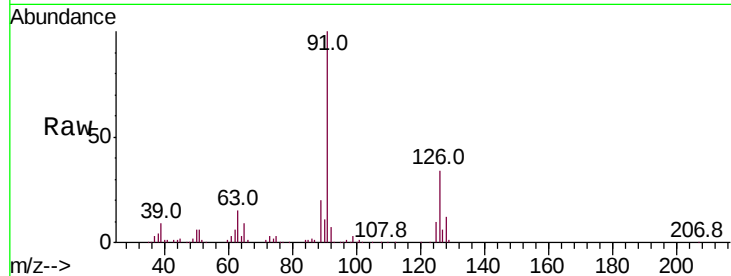




#79
 2-Chlorotoluene
 Concen: 19.248 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

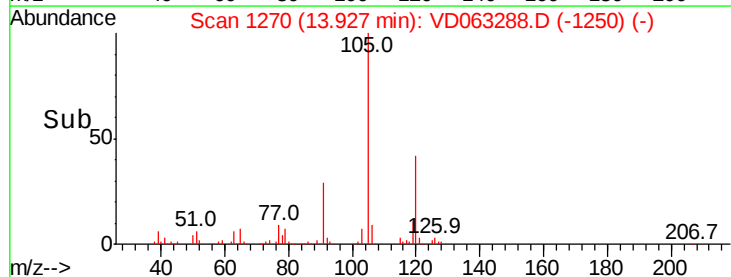
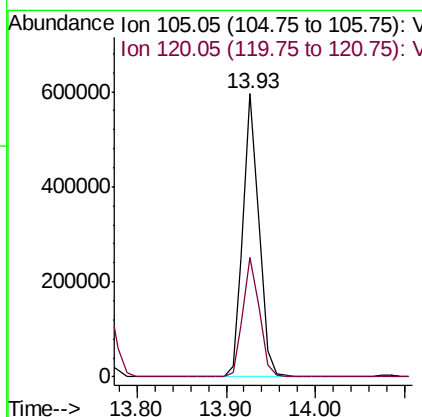
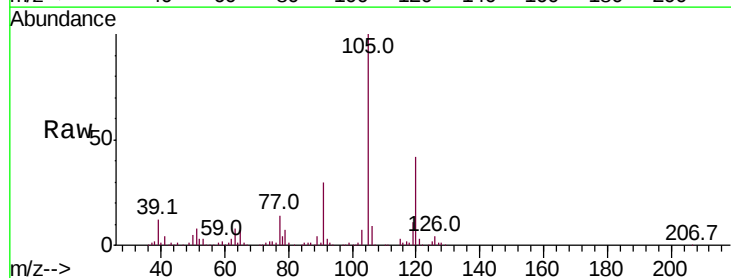
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBSD01

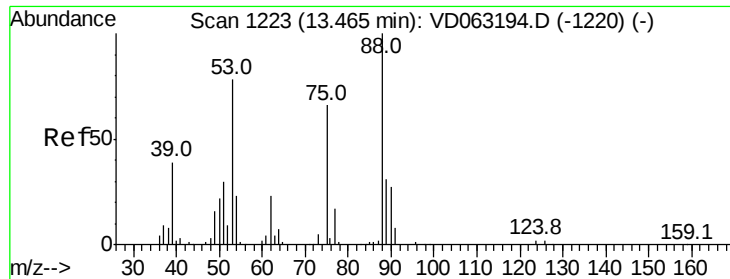
Tot Ion: 91 Resp: 561404
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.482 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Tgt Ion: 105 Resp: 747245
 Ion Ratio Lower Upper
 105 100
 120 42.2 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.203 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

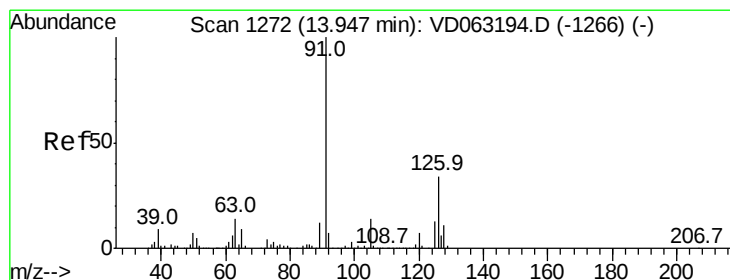
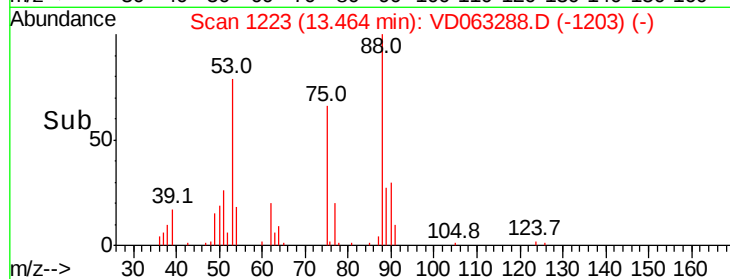
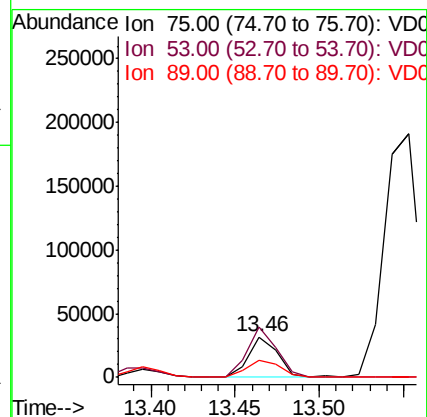
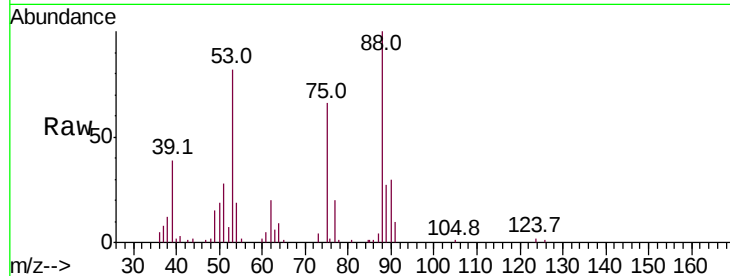
Tot Ion: 75 Resp: 38670

Ion Ratio Lower Upper

75 100

53 124.5 94.9 142.3

89 41.3 37.4 56.0



#82

4-Chlorotoluene

Concen: 20.797 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063288.D

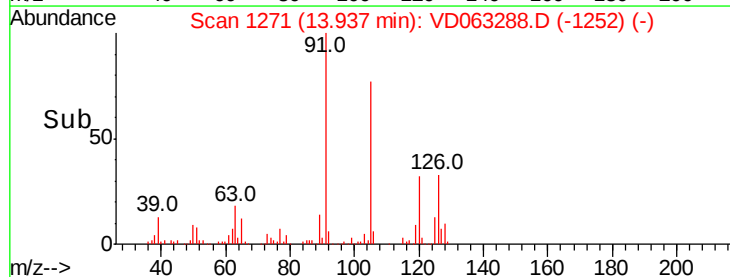
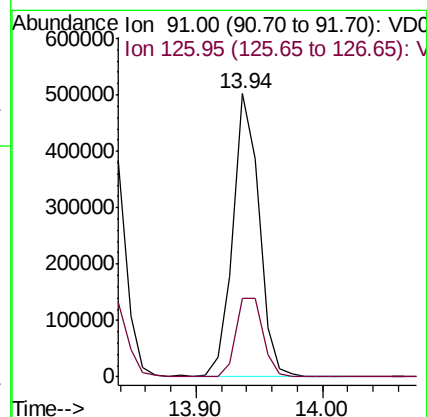
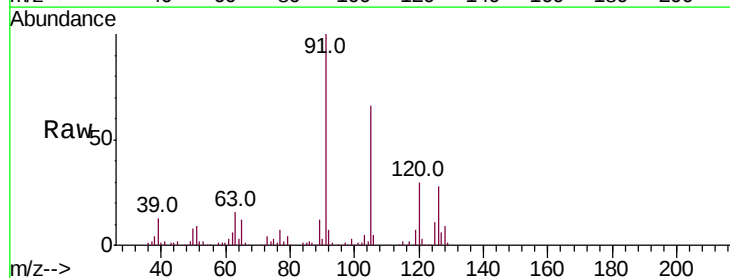
Acq: 1 Aug 2019 11:56

Tgt Ion: 91 Resp: 713869

Ion Ratio Lower Upper

91 100

126 27.8 17.1 51.2





#83

tert-Butylbenzene

Concen: 19.871 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

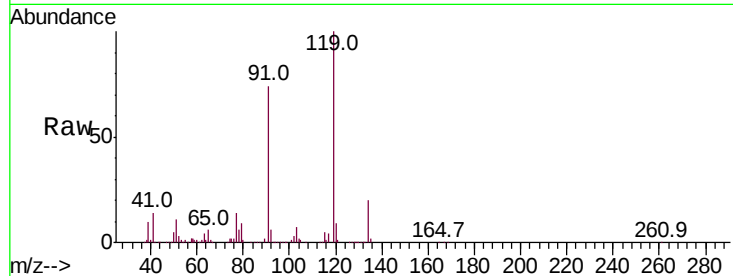
Tot Ion:119 Resp: 827758

Ion Ratio Lower Upper

119 100

91 74.2 39.1 117.5

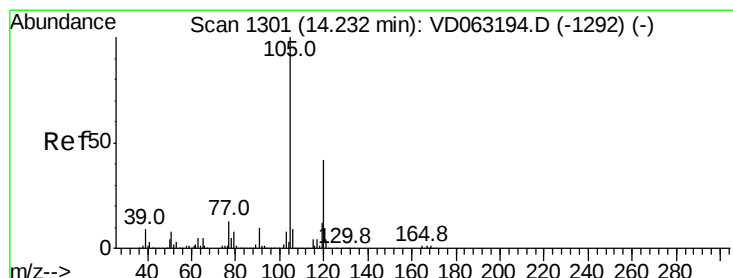
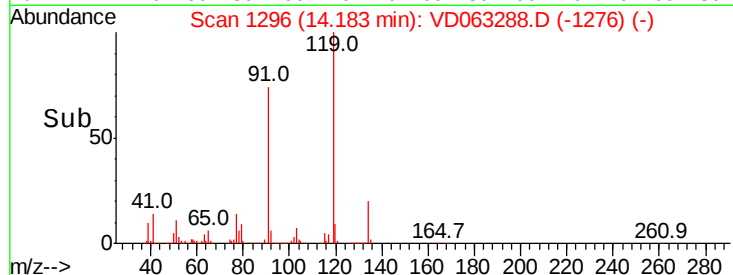
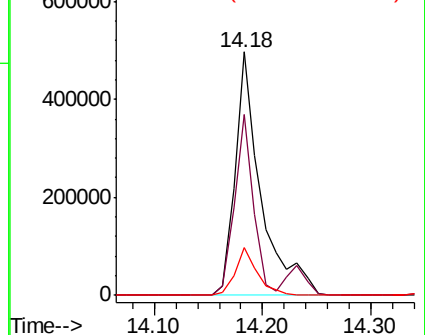
134 19.8 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.426 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063288.D

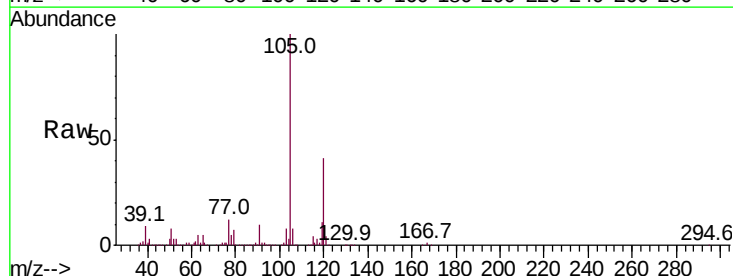
Acq: 1 Aug 2019 11:56

Tgt Ion:105 Resp: 733044

Ion Ratio Lower Upper

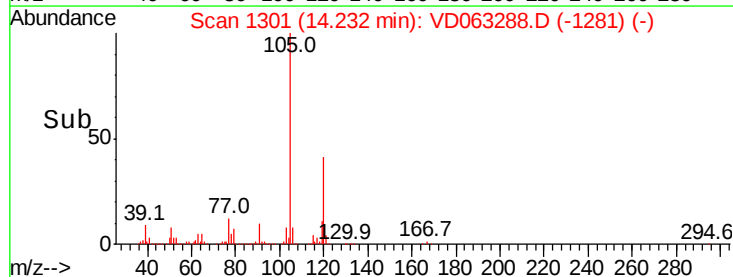
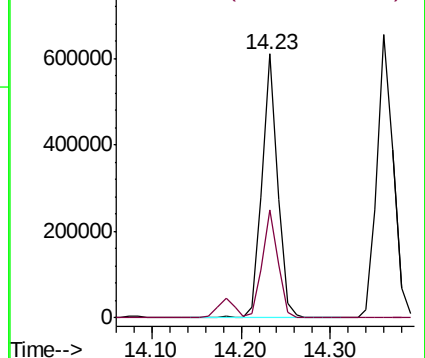
105 100

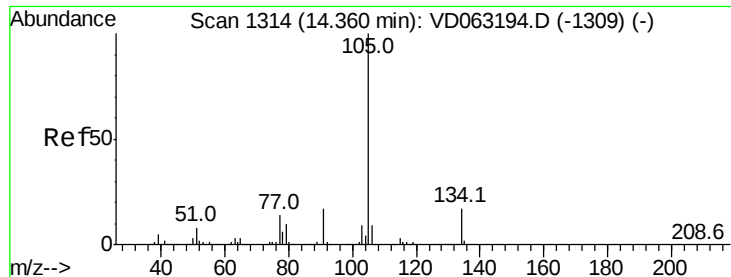
120 41.1 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 18.871 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

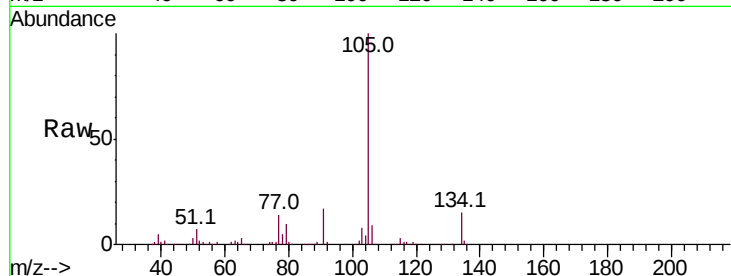
VD0801SBSD01

Tot Ion:105 Resp: 828203

Ion Ratio Lower Upper

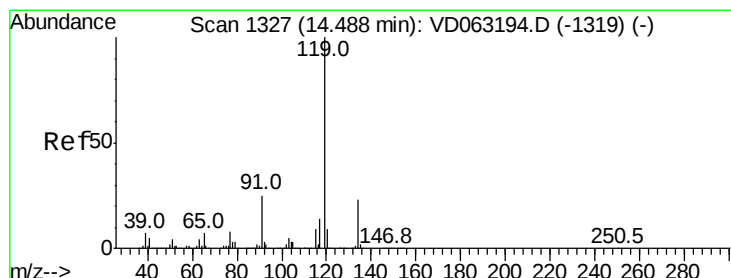
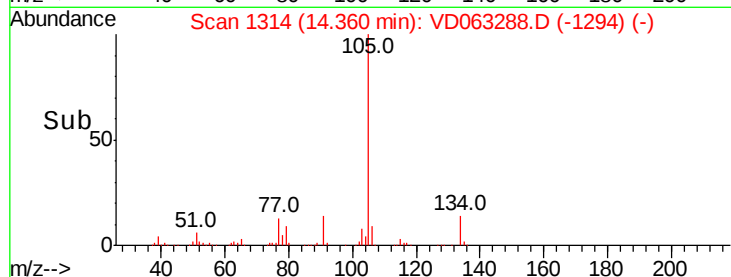
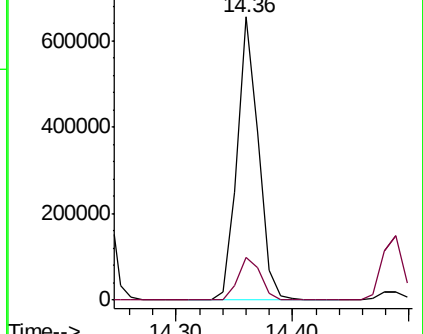
105 100

134 15.0 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.162 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

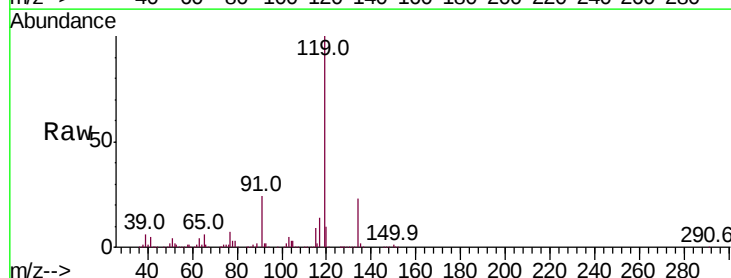
Tgt Ion:119 Resp: 844554

Ion Ratio Lower Upper

119 100

134 23.4 11.5 34.5

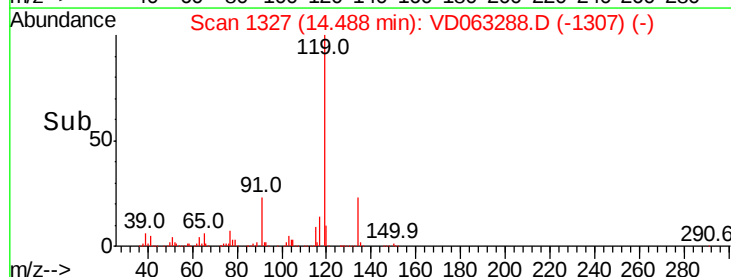
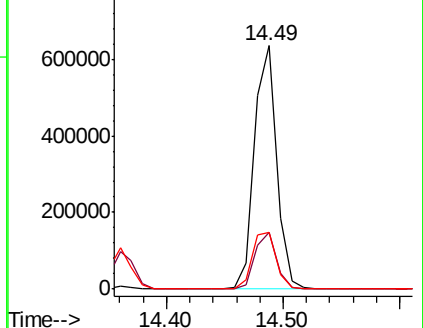
91 23.5 12.6 37.6

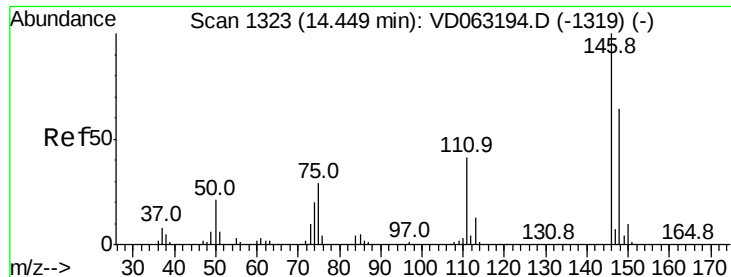


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.928 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

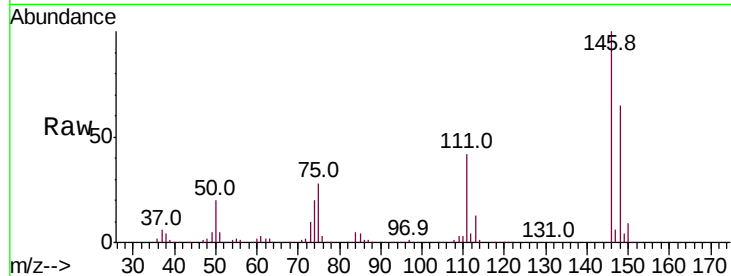
Tot Ion:146 Resp: 425246

Ion Ratio Lower Upper

146 100

111 42.0 20.4 61.3

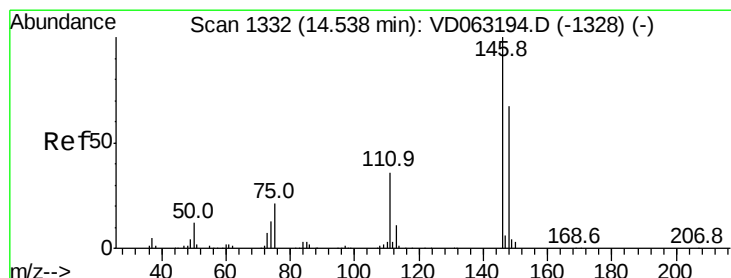
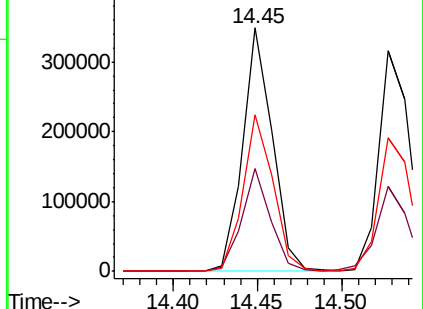
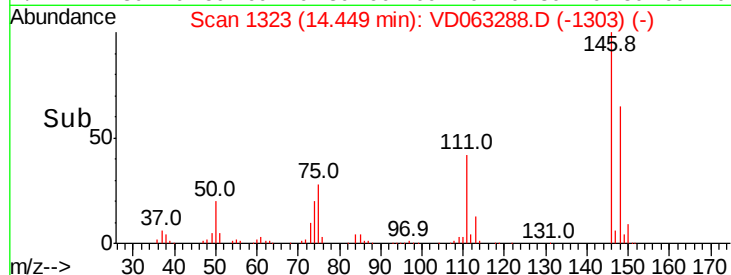
148 64.5 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 18.714 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

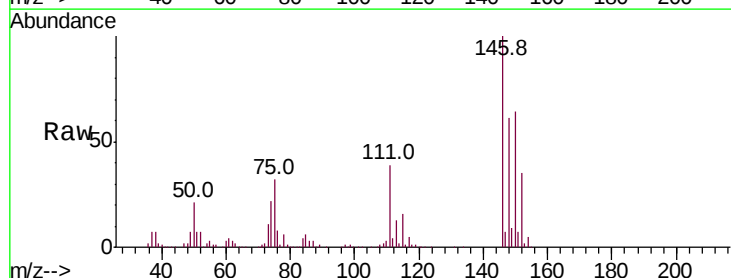
Tgt Ion:146 Resp: 403827

Ion Ratio Lower Upper

146 100

111 38.7 18.1 54.3

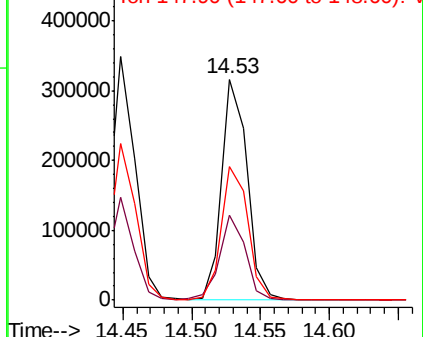
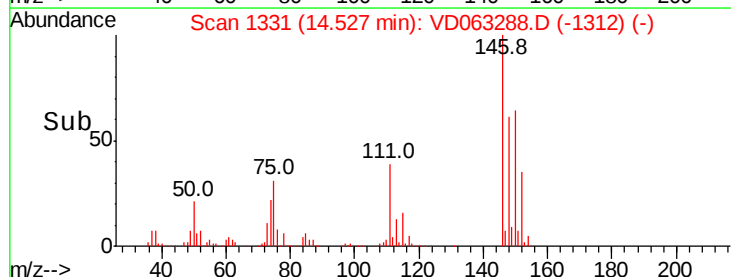
148 60.6 33.4 100.1

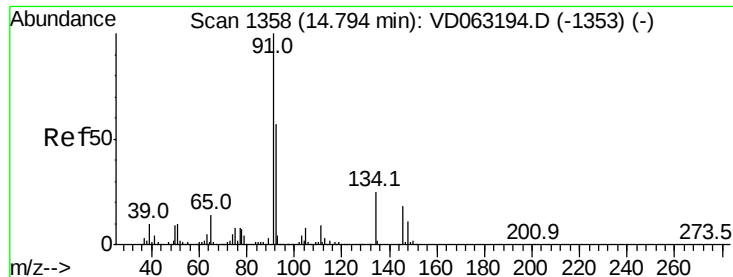


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.970 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

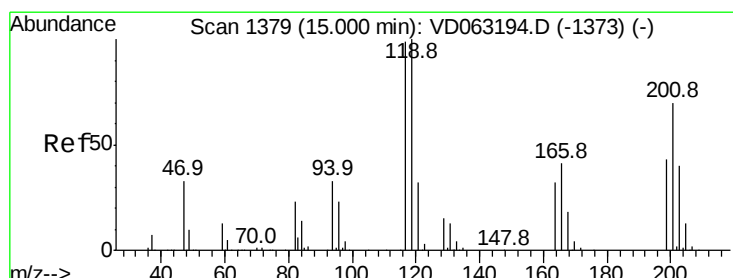
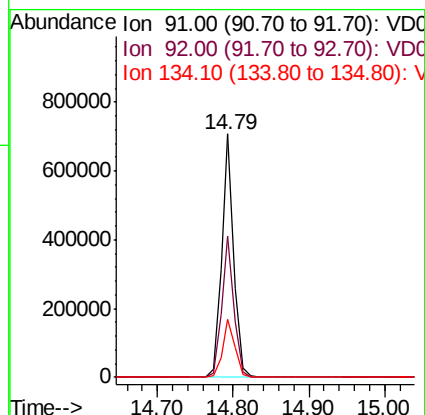
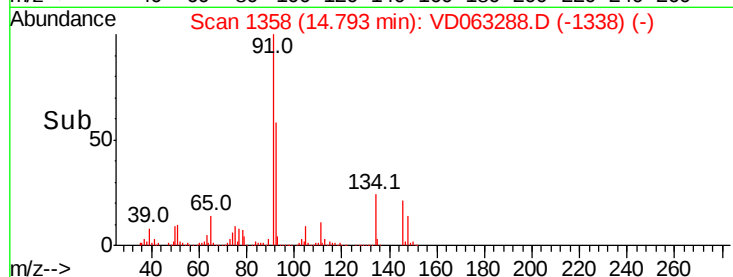
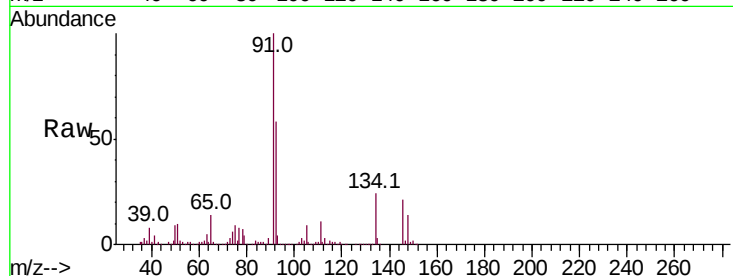
Tot Ion: 91 Resp: 794855

Ion Ratio Lower Upper

91 100

92 58.1 28.3 85.0

134 23.6 12.3 36.8



#90

Hexachloroethane

Concen: 18.581 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063288.D

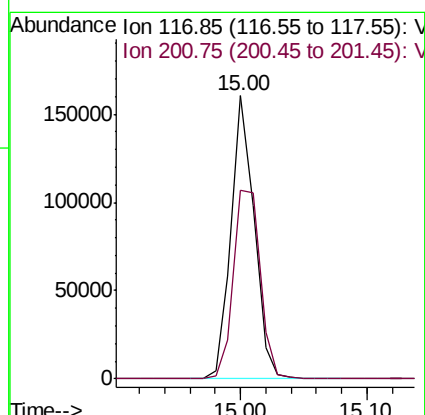
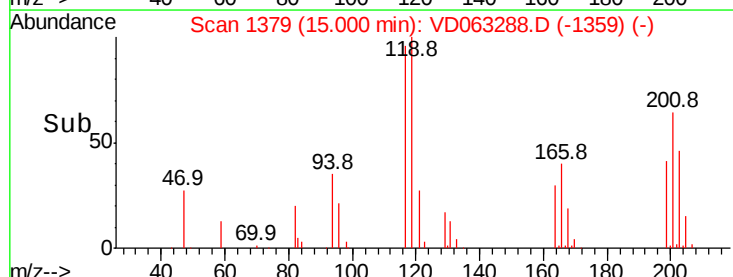
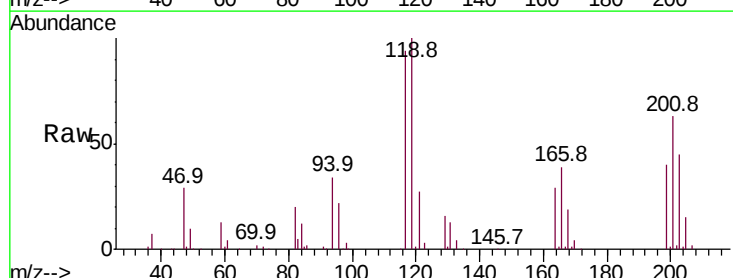
Acq: 1 Aug 2019 11:56

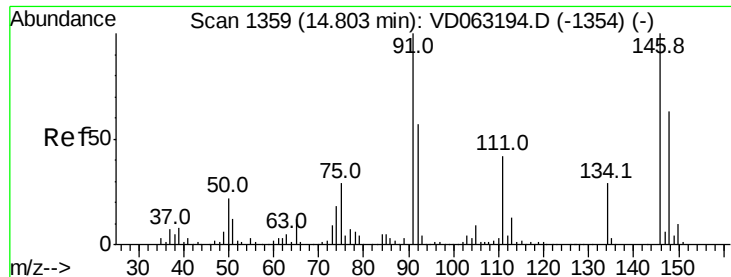
Tgt Ion: 117 Resp: 202784

Ion Ratio Lower Upper

117 100

201 66.5 35.2 105.6

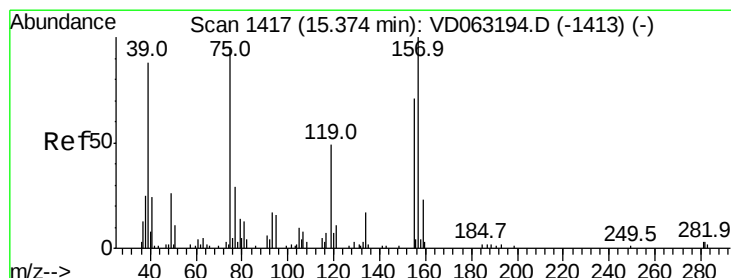
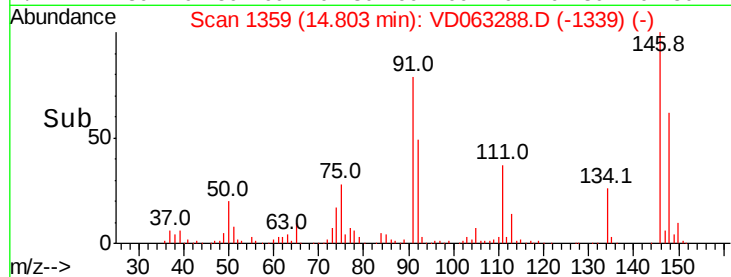
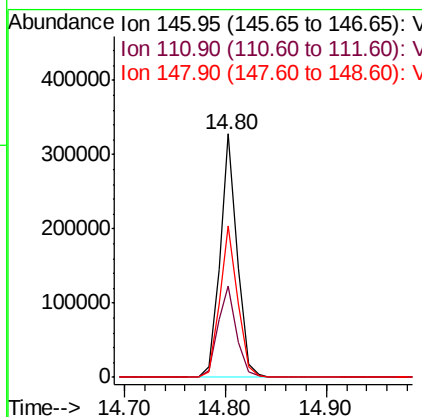
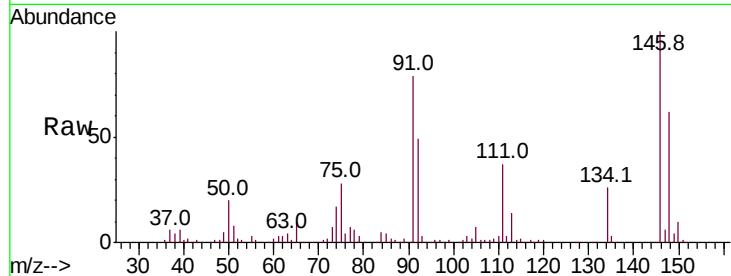




#91
 1,2-Dichlorobenzene
 Concen: 21.008 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

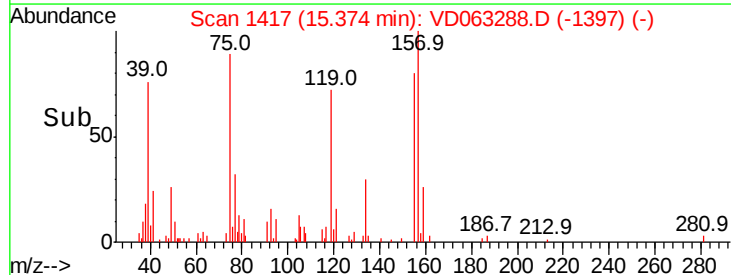
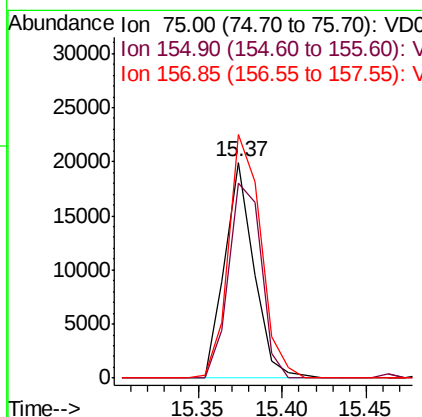
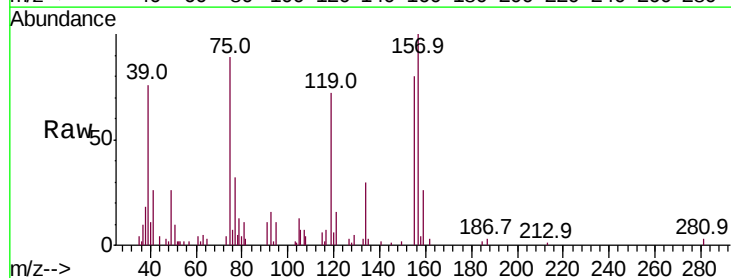
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBSD01

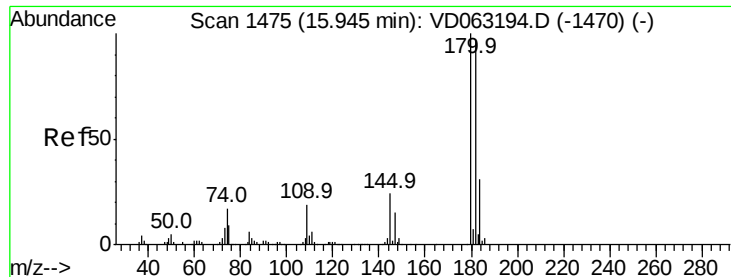
Tot Ion:146 Resp: 390589
 Ion Ratio Lower Upper
 146 100
 111 37.4 21.1 63.3
 148 62.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.452 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Tgt Ion: 75 Resp: 24078
 Ion Ratio Lower Upper
 75 100
 155 90.4 37.0 111.0
 157 113.0 52.4 157.2

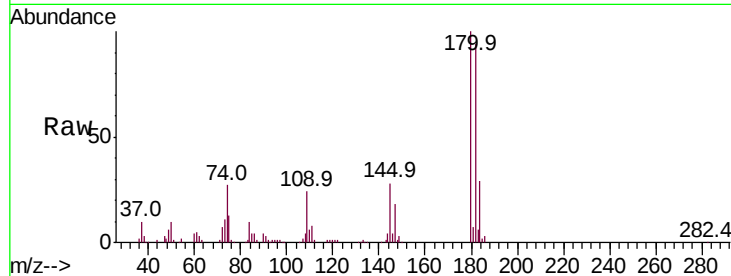




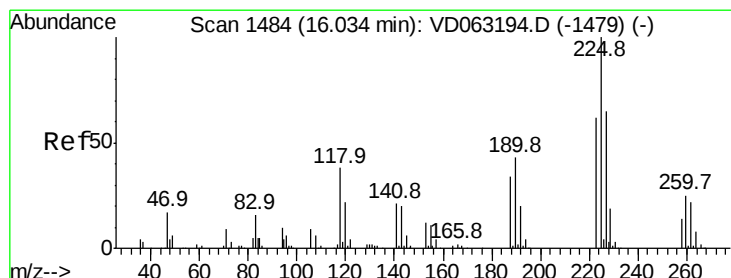
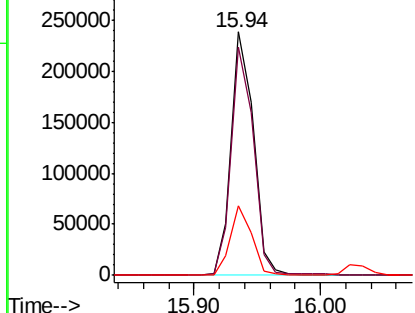
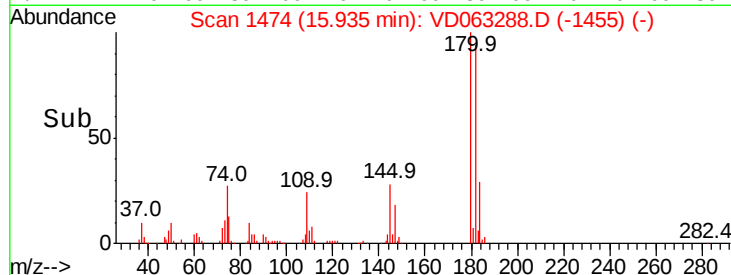
#93
 1,2,4-Trichlorobenzene
 Concen: 19.785 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.6	145.8
145	28.4	12.2	36.6

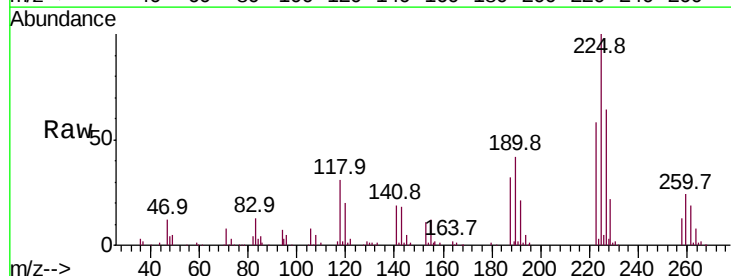


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

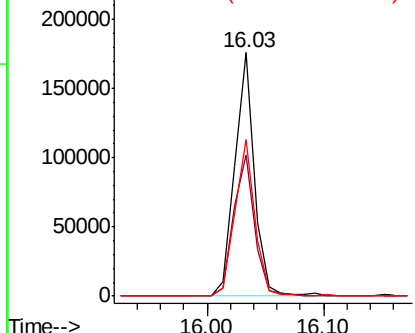
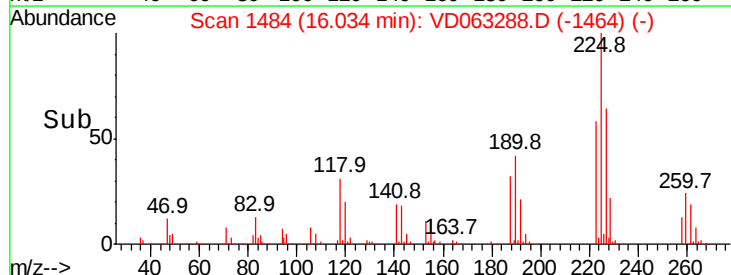


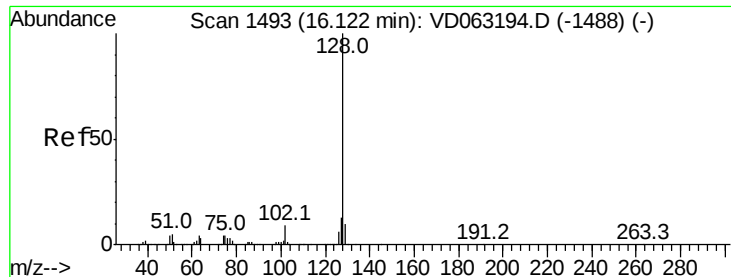
#94
 Hexachlorobutadiene
 Concen: 19.172 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063288.D
 Acq: 1 Aug 2019 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.1	30.9	92.5
227	64.4	32.6	97.7



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





#95

Naphthalene

Concen: 17.701 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBSD01

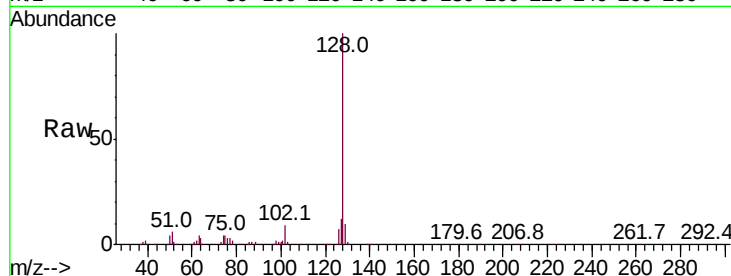
Tot Ion:128 Resp: 369007

Ion Ratio Lower Upper

128 100

127 11.7 10.2 15.4

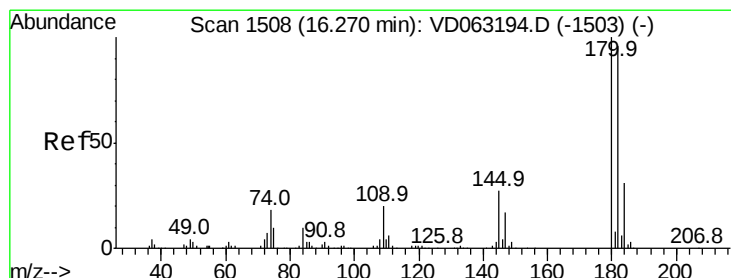
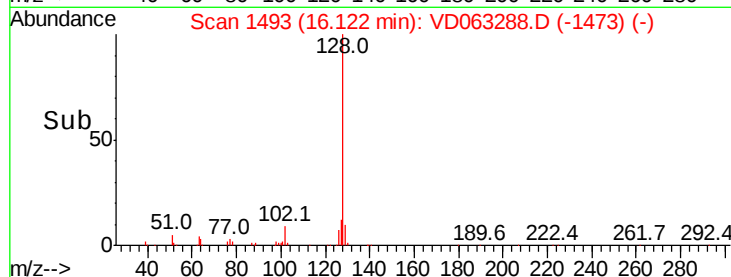
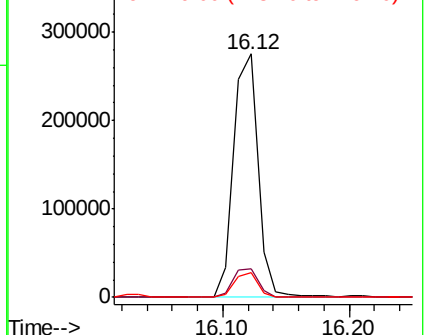
129 10.3 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.980 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063288.D

Acq: 1 Aug 2019 11:56

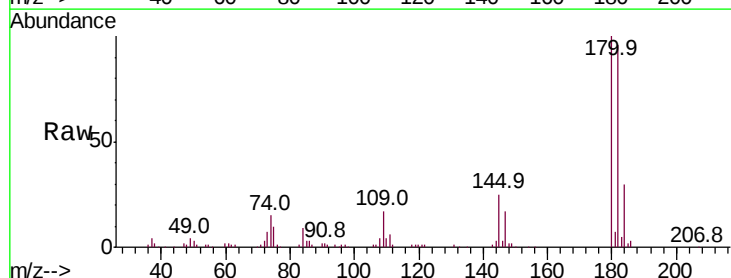
Tgt Ion:180 Resp: 209498

Ion Ratio Lower Upper

180 100

182 96.3 48.3 144.9

145 25.5 13.6 40.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

