

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063482.D
 Acq On : 12 Aug 2019 12:49
 Operator : JC/SY
 Sample : VD0812SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Quant Time: Aug 12 13:34:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1129498	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1554286	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1398835	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	658237	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	702425	58.18	ug/l	-0.02
Spiked Amount			Recovery	=	116.36%	
35) Dibromofluoromethane	6.91	113	732093	55.93	ug/l	-0.02
Spiked Amount			Recovery	=	111.86%	
50) Toluene-d8	10.41	98	1722937	59.87	ug/l	-0.01
Spiked Amount			Recovery	=	119.74%	
62) 4-Bromofluorobenzene	13.55	95	680859	52.20	ug/l	-0.01
Spiked Amount			Recovery	=	104.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	278248	20.362	ug/l	96
3) Chloromethane	1.74	50	228654	21.417	ug/l	99
4) Vinyl Chloride	1.84	62	220521	20.806	ug/l	93
5) Bromomethane	2.14	94	94791	18.954	ug/l	95
6) Chloroethane	2.25	64	96741	19.960	ug/l	99
7) Trichlorofluoromethane	2.52	101	446727	21.488	ug/l	95
8) Diethyl Ether	2.87	74	59876	20.399	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	243067	19.801	ug/l	92
10) Methyl Iodide	3.29	142	306150	17.626	ug/l #	94
11) Tert butyl alcohol	4.08	59	57295	109.012	ug/l	98
12) 1,1-Dichloroethene	3.11	96	173233	18.981	ug/l #	82
13) Acrolein	3.02	56	54484	105.316	ug/l	90
14) Allyl chloride	3.60	41	297955	21.716	ug/l	97
15) Acrylonitrile	4.19	53	144808	104.018	ug/l	98
16) Acetone	3.21	43	240775	98.103	ug/l	96
17) Carbon Disulfide	3.36	76	598779	20.788	ug/l	98
18) Methyl Acetate	3.63	43	92503	19.898	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	399955	21.912	ug/l	99
20) Methylene Chloride	3.80	84	211340	19.914	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	205126	21.358	ug/l	98
22) Diisopropyl ether	5.11	45	587885	20.764	ug/l #	95
23) Vinyl Acetate	5.05	43	1736735	105.517	ug/l	99
24) 1,1-Dichloroethane	4.97	63	379962	21.638	ug/l	99
25) 2-Butanone	6.07	43	245401	101.240	ug/l	98
26) 2,2-Dichloropropane	6.01	77	384310	21.973	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	219879	20.925	ug/l	83
28) Bromochloromethane	6.42	49	142628	20.041	ug/l	93
29) Tetrahydrofuran	6.45	42	119902	106.155	ug/l	96
30) Chloroform	6.66	83	458098	20.988	ug/l	99
31) Cyclohexane	6.94	56	218457	20.039	ug/l	91
32) 1,1,1-Trichloroethane	6.85	97	439520	21.051	ug/l	97
36) 1,1-Dichloropropene	7.13	75	289853	21.095	ug/l	94
37) Ethyl Acetate	6.17	43	129216	22.443	ug/l #	89
38) Carbon Tetrachloride	7.10	117	409458	19.773	ug/l	94

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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	242918	20.791	ug/l	94
40) Benzene	7.44	78	653554	21.614	ug/l	95
41) Methacrylonitrile	6.45	41	164645	22.711	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	319261	20.998	ug/l	98
43) Isopropyl Acetate	9.24	43	171055	22.183	ug/l #	97
44) Trichloroethene	8.54	130	250727	21.694	ug/l	92
45) 1,2-Dichloropropane	8.93	63	151779	21.555	ug/l	96
46) Dibromomethane	9.06	93	125615	20.889	ug/l	85
47) Bromodichloromethane	9.36	83	331269	21.476	ug/l	99
48) Methyl methacrylate	9.12	41	106646	20.393	ug/l	88
49) 1,4-Dioxane	9.08	88	21292	469.397	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	544079	103.112	ug/l	99
52) Toluene	10.51	92	410312	21.068	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	284515	22.602	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	298954	21.062	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	135247	20.558	ug/l	94
56) Ethyl methacrylate	11.04	69	144784	20.276	ug/l	88
57) 1,3-Dichloropropane	11.40	76	217341	21.856	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	398365	105.673	ug/l	100
59) 2-Hexanone	11.53	43	431198	112.309	ug/l	94
60) Dibromochloromethane	11.68	129	273353	22.834	ug/l	99
61) 1,2-Dibromoethane	11.80	107	172426	21.650	ug/l	93
64) Tetrachloroethene	11.25	164	218013	20.189	ug/l	96
65) Chlorobenzene	12.40	112	509866	19.448	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	232371	20.139	ug/l	94
67) Ethyl Benzene	12.51	91	903741	19.825	ug/l	97
68) m/p-Xylenes	12.66	106	634841	39.639	ug/l	95
69) o-Xylene	13.05	106	301023	19.528	ug/l	95
70) Styrene	13.07	104	499297	18.210	ug/l	99
71) Bromoform	13.23	173	158936	20.089	ug/l	100
73) Isopropylbenzene	13.40	105	967690	23.113	ug/l	96
74) N-amyl acetate	13.26	43	225029	21.411	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	153073	22.027	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	167268	22.142	ug/l	93
77) Bromobenzene	13.67	156	250089	21.856	ug/l	89
78) n-propylbenzene	13.77	91	1014563	20.711	ug/l	100
79) 2-Chlorotoluene	13.83	91	609463	21.578	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	777636	21.258	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	39435	19.422	ug/l	93
82) 4-Chlorotoluene	13.94	91	703972	20.727	ug/l	97
83) tert-Butylbenzene	14.19	119	853947	22.168	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	785947	23.220	ug/l	95
85) sec-Butylbenzene	14.36	105	952950	23.294	ug/l	100
86) p-Isopropyltoluene	14.48	119	883090	22.577	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	495282	23.930	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	434897	21.901	ug/l	100
89) n-Butylbenzene	14.80	91	816784	22.879	ug/l	96
90) Hexachloroethane	15.00	117	236626	24.068	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	410740	23.390	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27838	21.275	ug/l	93

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

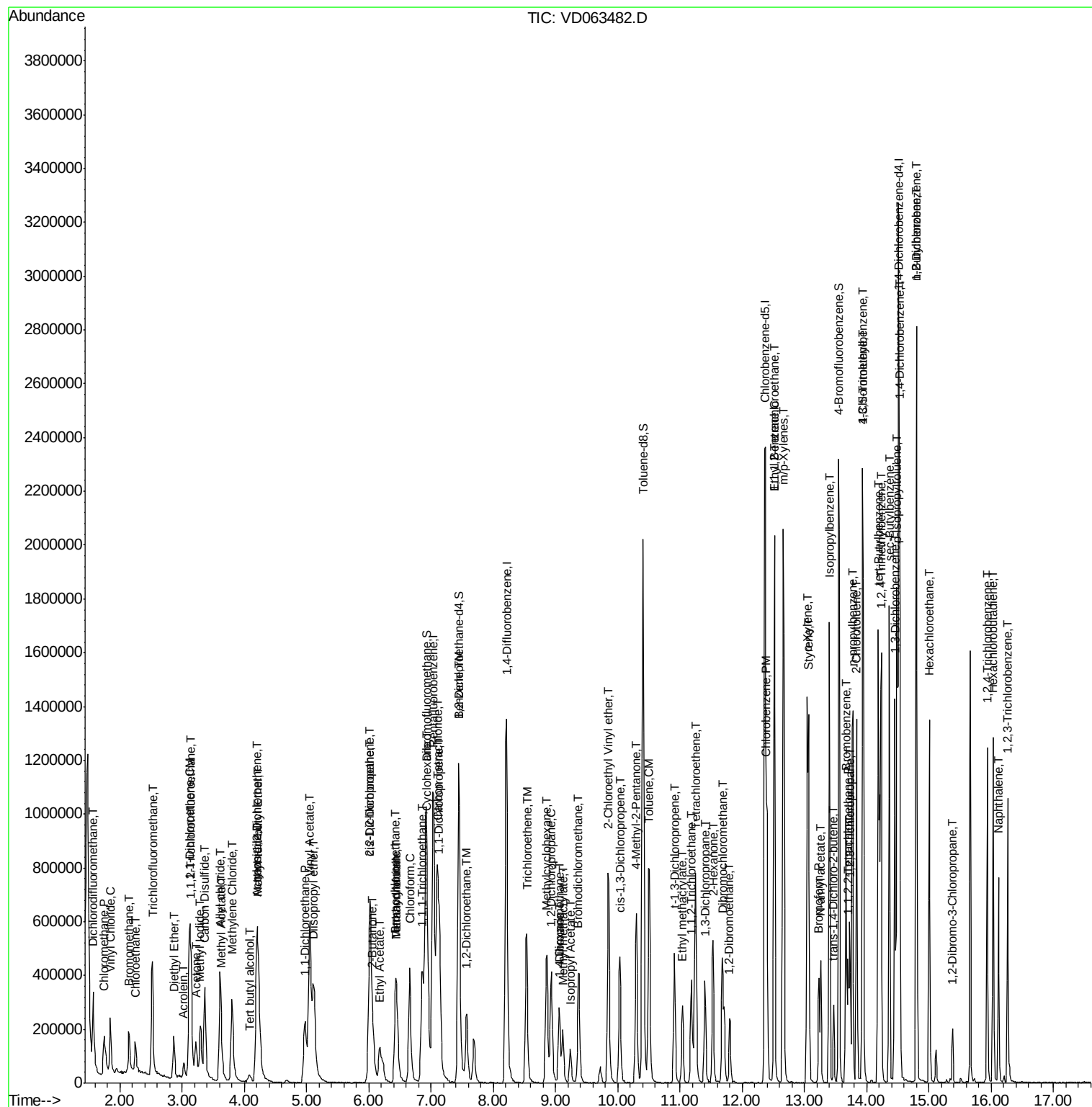
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	291578	22.566	ug/l	98
94) Hexachlorobutadiene	16.04	225	220672	22.408	ug/l	93
95) Naphthalene	16.12	128	443220	22.634	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	233070	22.333	ug/l	96

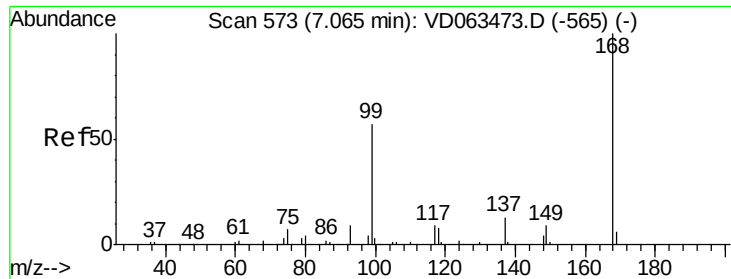
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

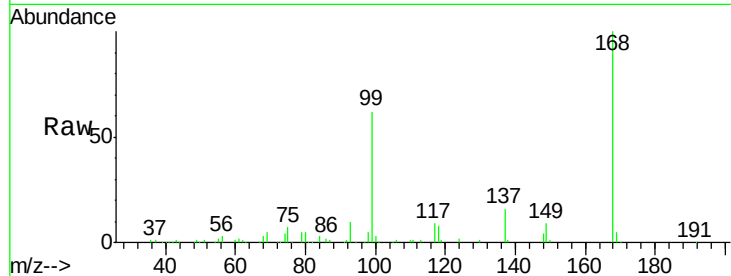
VD0812SBSD01

Tot Ion:168 Resp: 1129498

Ion Ratio Lower Upper

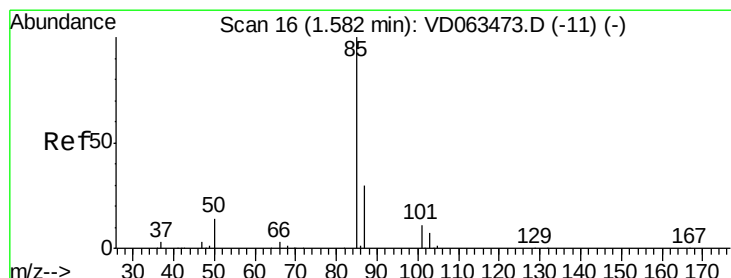
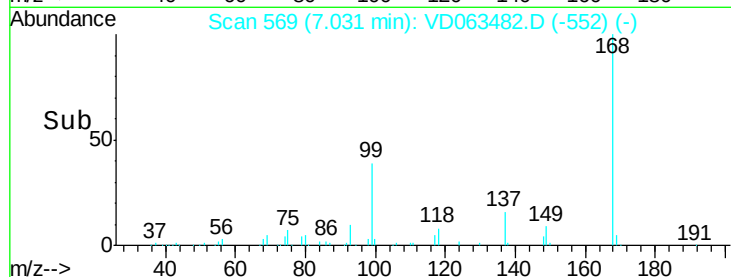
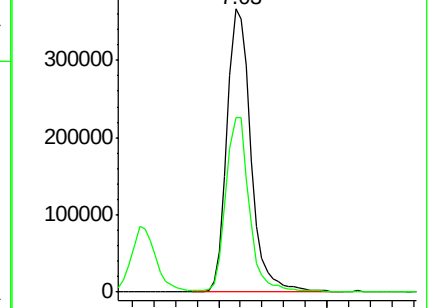
168 100

99 61.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.362 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063482.D

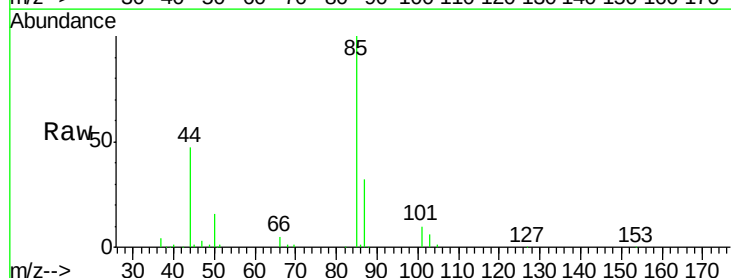
Acq: 12 Aug 2019 12:49

Tgt Ion: 85 Resp: 278248

Ion Ratio Lower Upper

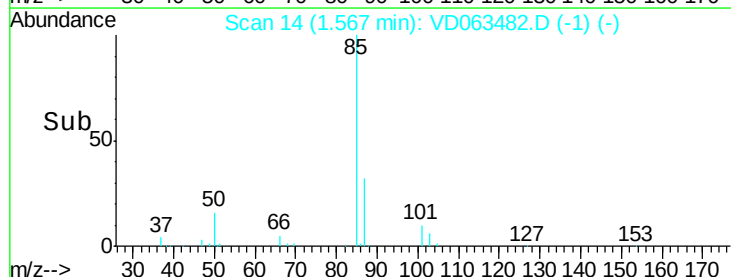
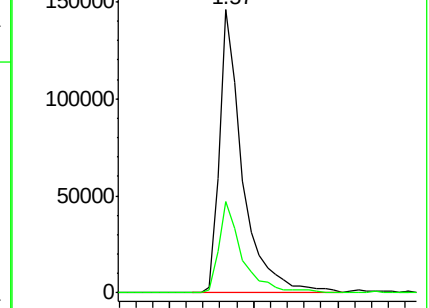
85 100

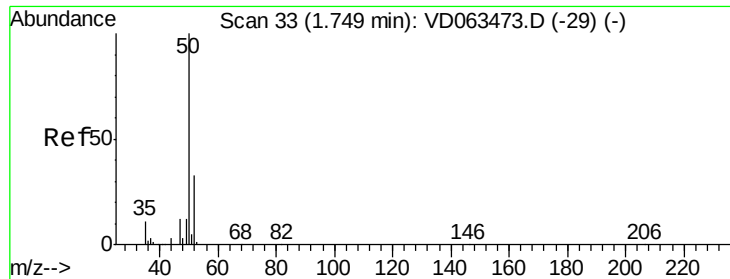
87 32.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.417 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

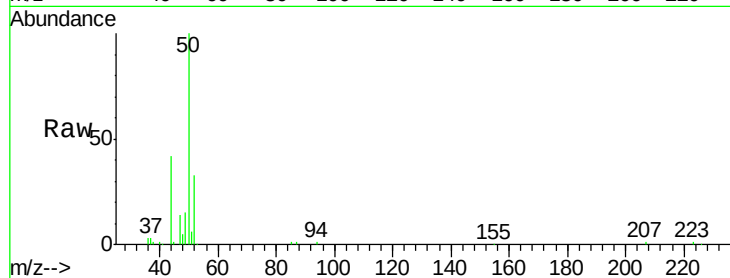
VD0812SBSD01

Tot Ion: 50 Resp: 228654

Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

80000

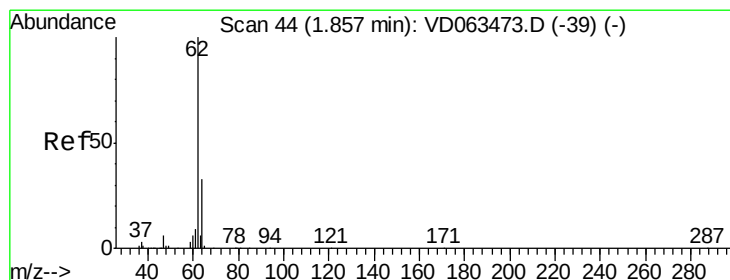
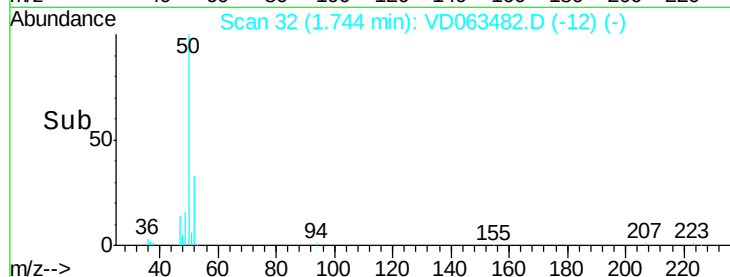
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.806 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063482.D

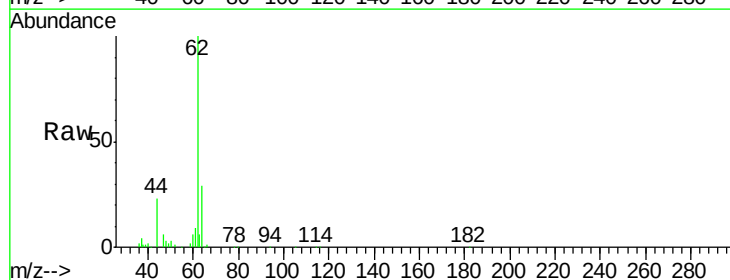
Acq: 12 Aug 2019 12:49

Tgt Ion: 62 Resp: 220521

Ion Ratio Lower Upper

62 100

64 29.2 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

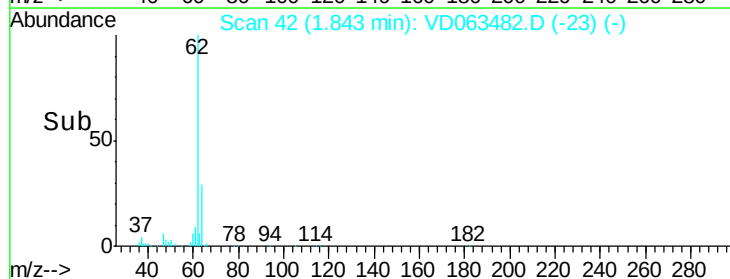
1.84

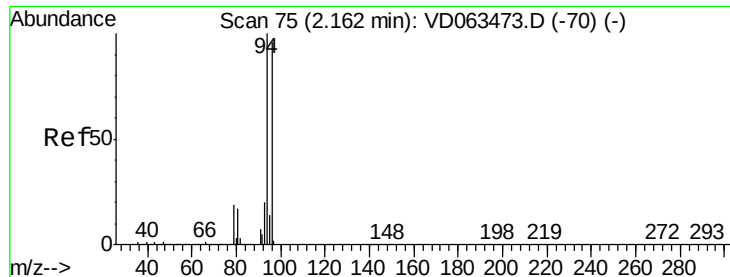
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.954 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

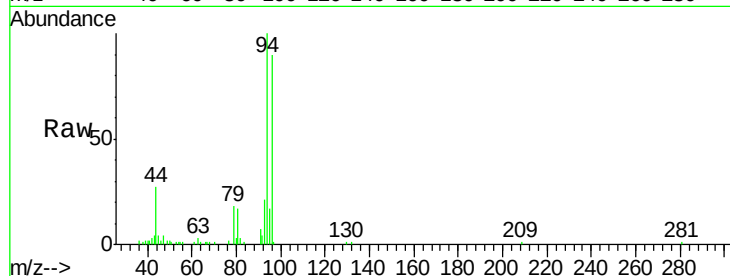
Tot Ion: 94 Resp: 94791

Ion Ratio Lower Upper

94 100

96 89.9 76.5 114.7

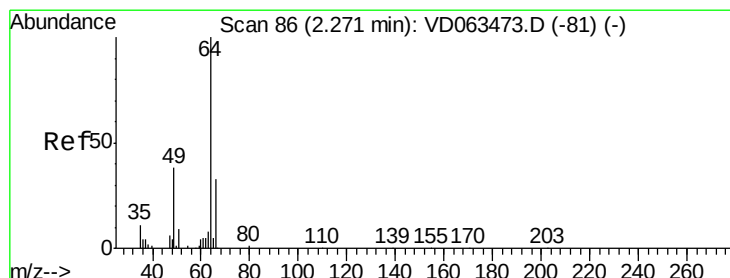
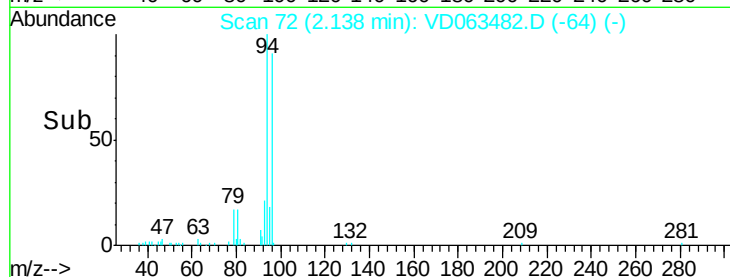
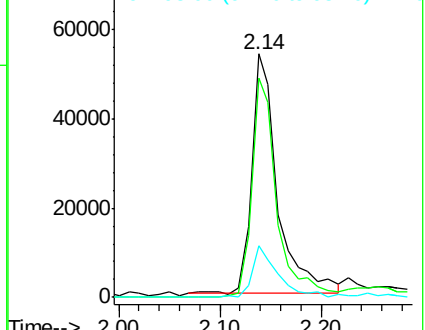
93 21.3 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.960 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063482.D

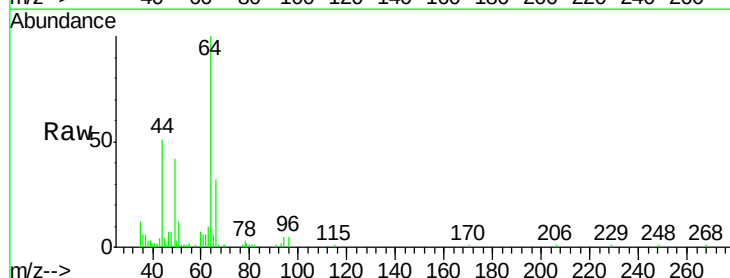
Acq: 12 Aug 2019 12:49

Tgt Ion: 64 Resp: 96741

Ion Ratio Lower Upper

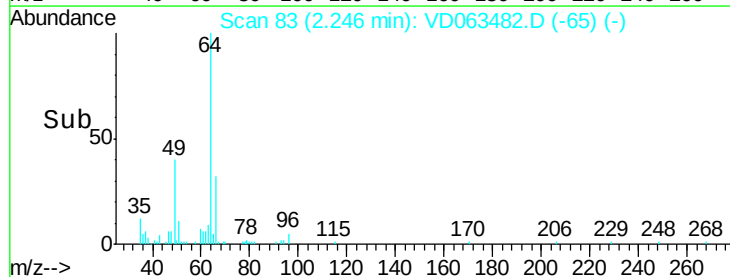
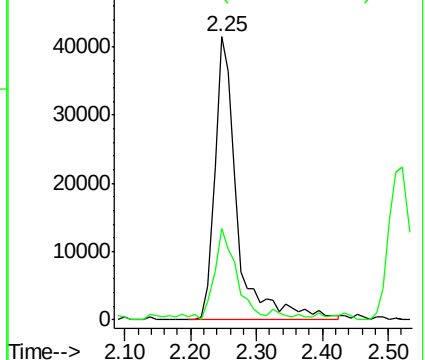
64 100

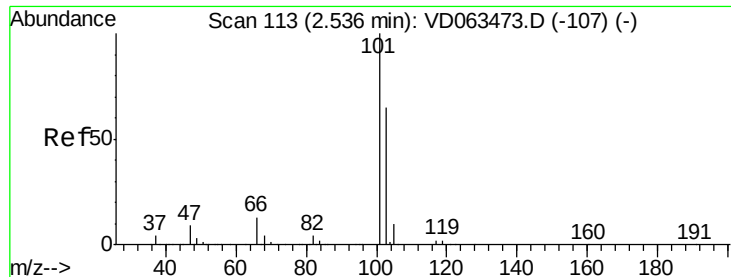
66 32.1 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



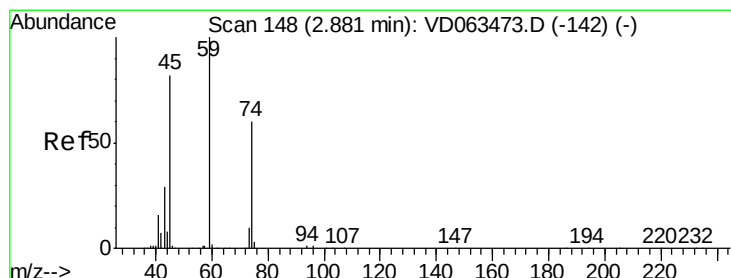
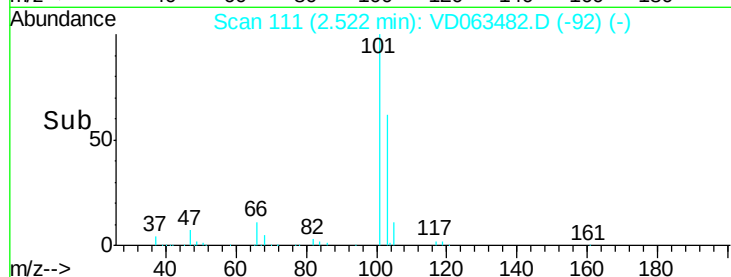
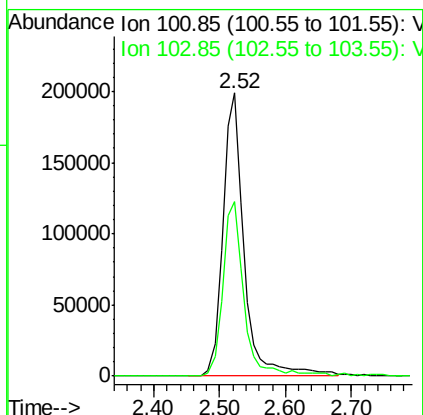
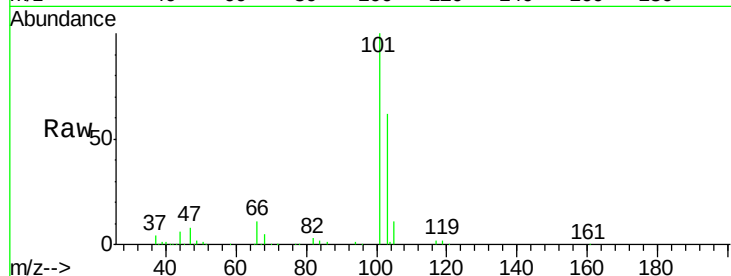


#7

Trichlorofluoromethane
Concen: 21.488 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

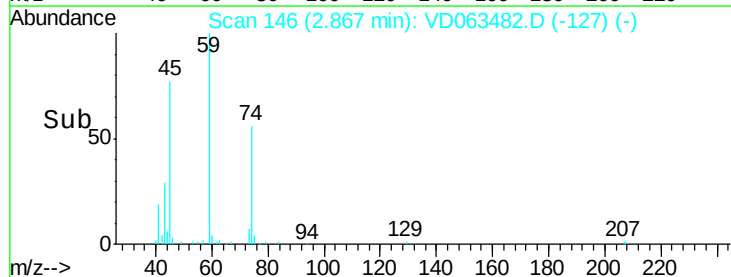
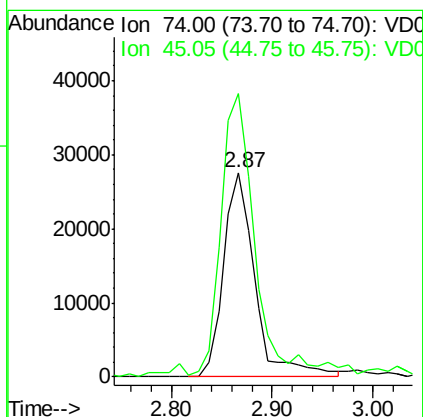
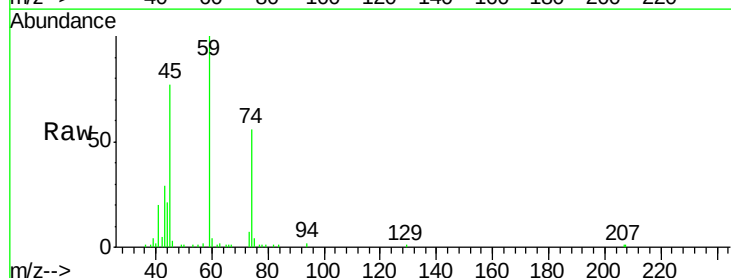
Tot Ion:101 Resp: 446727
Ion Ratio Lower Upper
101 100
103 61.5 52.2 78.4

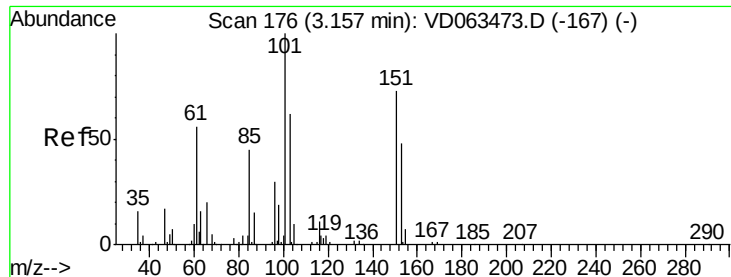


#8

Diethyl Ether
Concen: 20.399 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 74 Resp: 59876
Ion Ratio Lower Upper
74 100
45 138.6 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.801 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

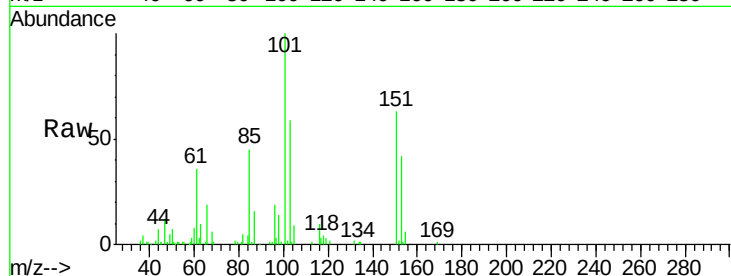
Tot Ion:101 Resp: 243067

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.6

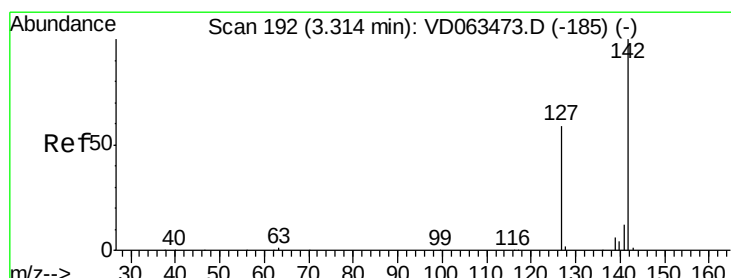
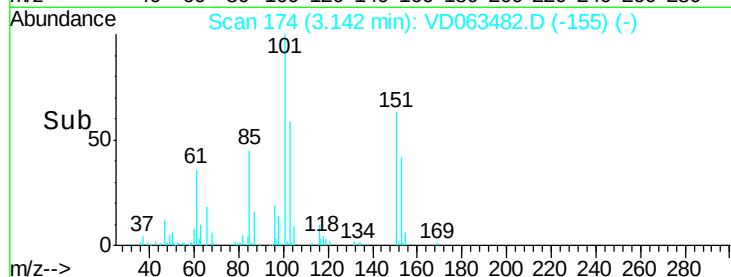
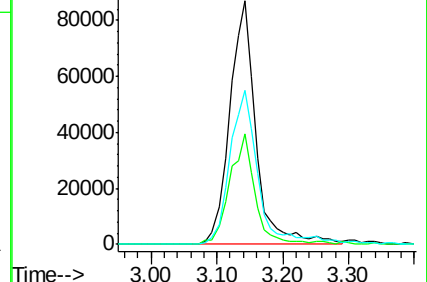
151 63.3 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.626 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

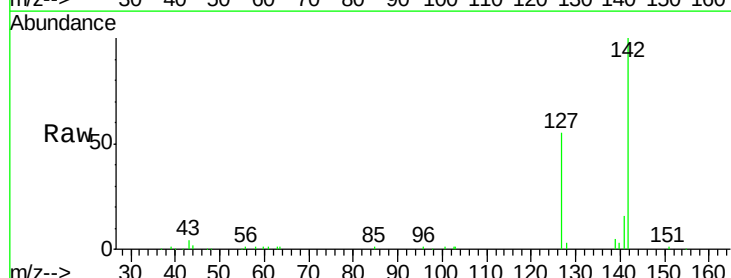
Tgt Ion:142 Resp: 306150

Ion Ratio Lower Upper

142 100

127 54.7 47.2 70.8

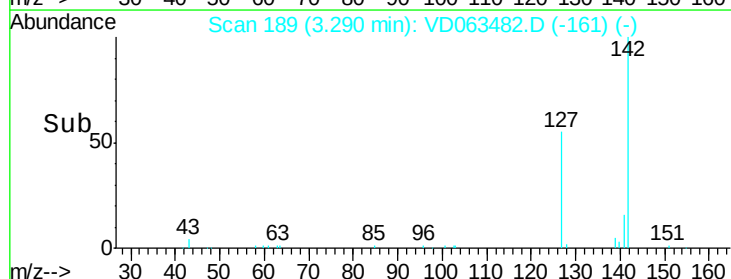
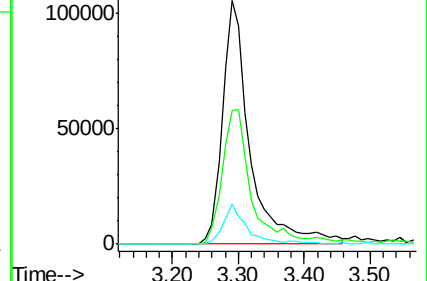
141 16.3 9.8 14.8#

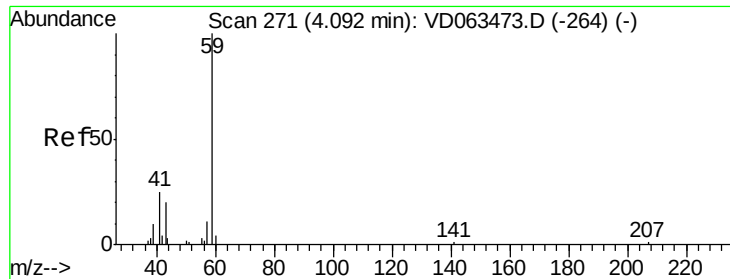


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



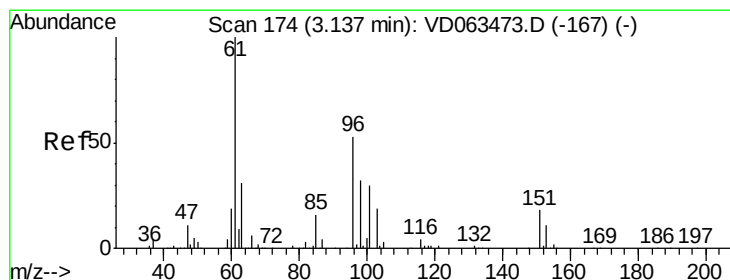
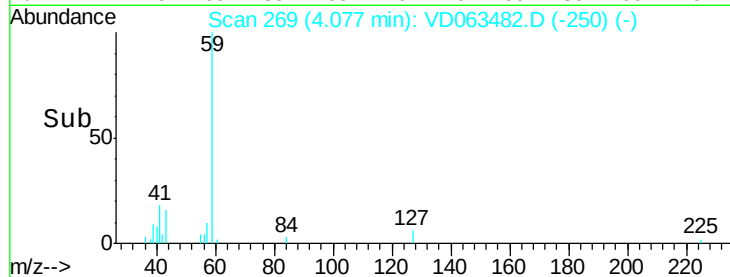
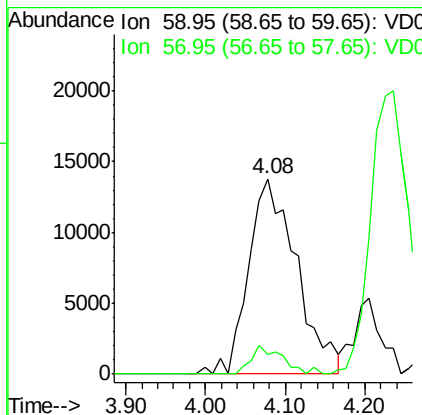
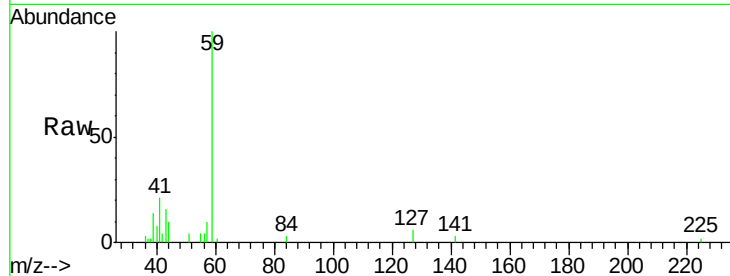


#11

Tert butyl alcohol
Concen: 109.012 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

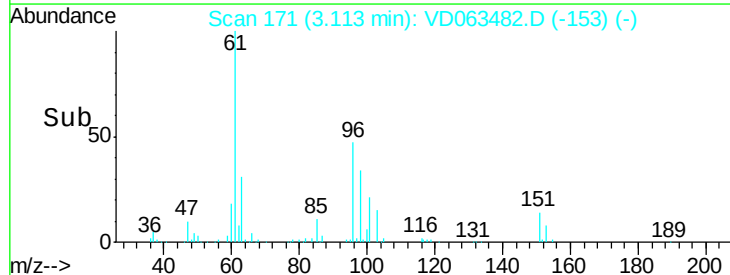
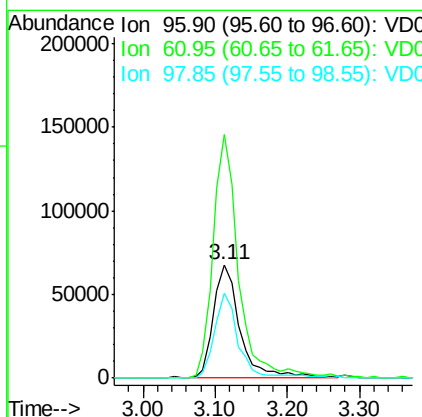
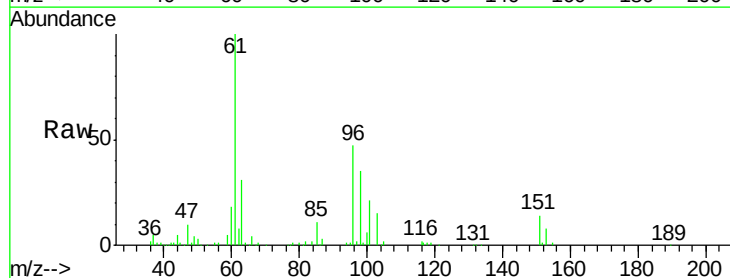
Tot Ion: 59 Resp: 57295
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1

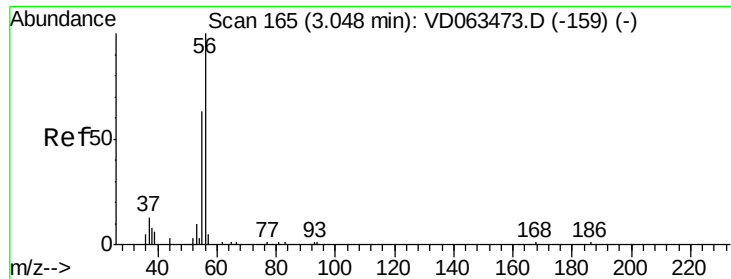


#12

1,1-Dichloroethene
Concen: 18.981 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 96 Resp: 173233
Ion Ratio Lower Upper
96 100
61 215.1 151.7 227.5
98 74.5 48.4 72.6#





#13

Acrolein

Concen: 105.316 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

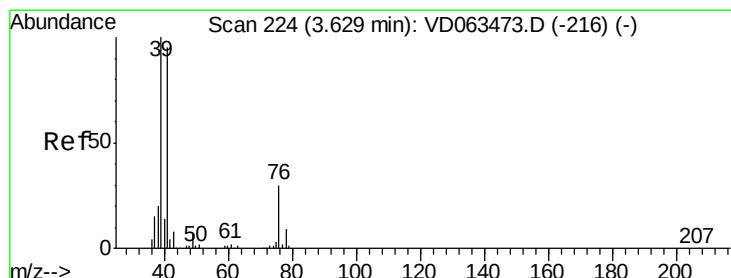
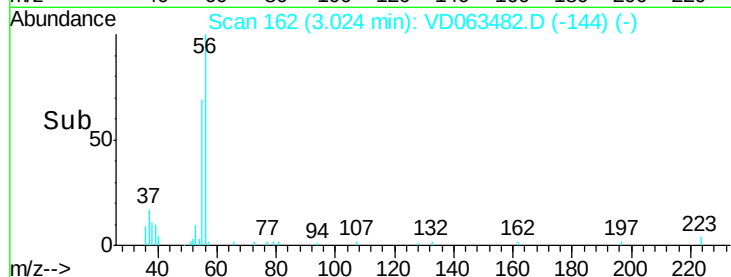
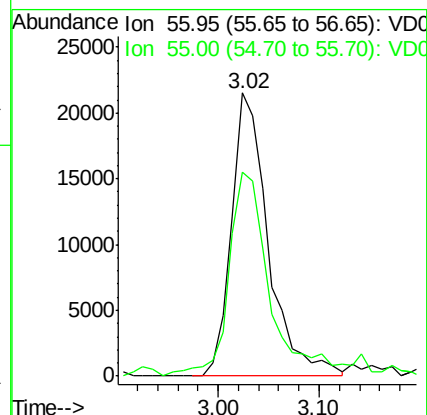
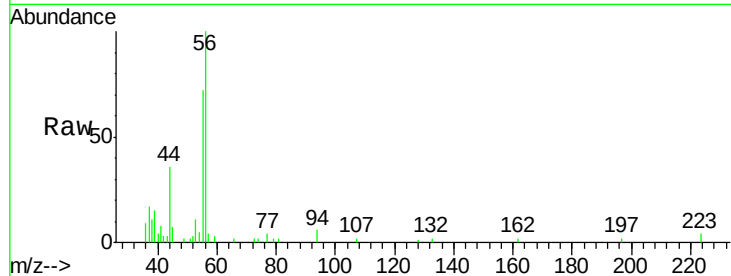
VD0812SBSD01

Tot Ion: 56 Resp: 54484

Ion Ratio Lower Upper

56 100

55 72.0 51.3 76.9



#14

Allyl chloride

Concen: 21.716 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

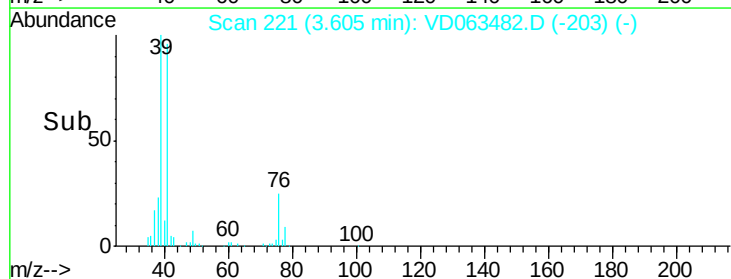
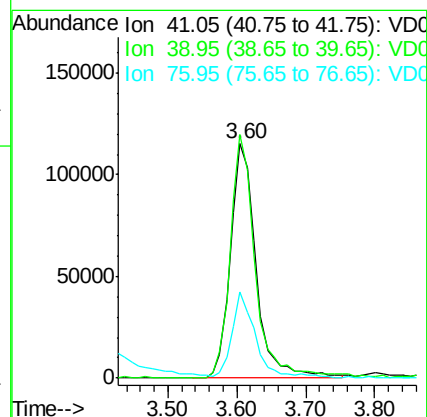
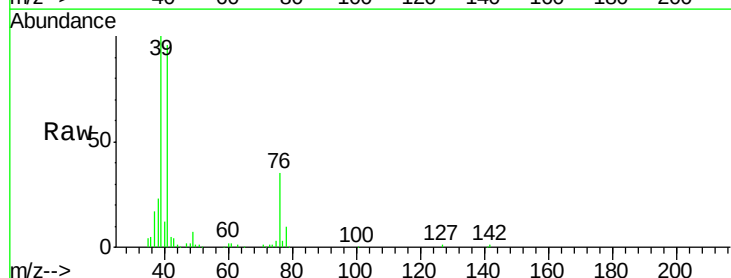
Tgt Ion: 41 Resp: 297955

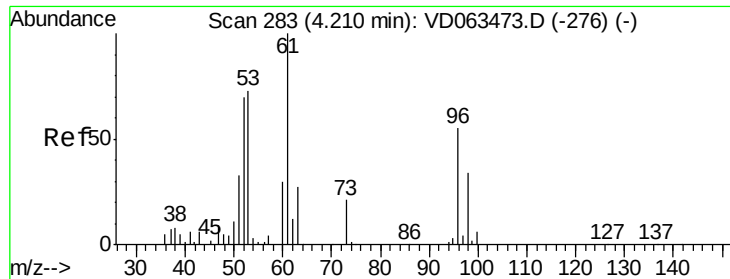
Ion Ratio Lower Upper

41 100

39 103.8 84.2 126.4

76 36.7 26.0 39.0





#15

Acrylonitrile

Concen: 104.018 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

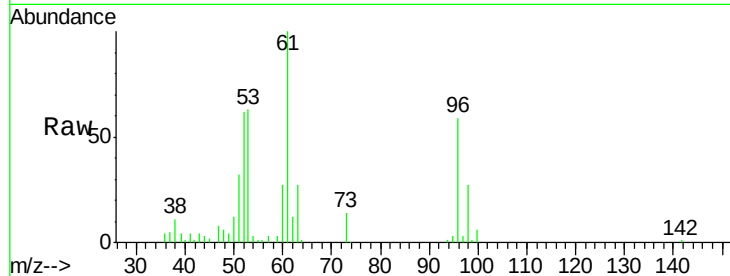
Tot Ion: 53 Resp: 144808

Ion Ratio Lower Upper

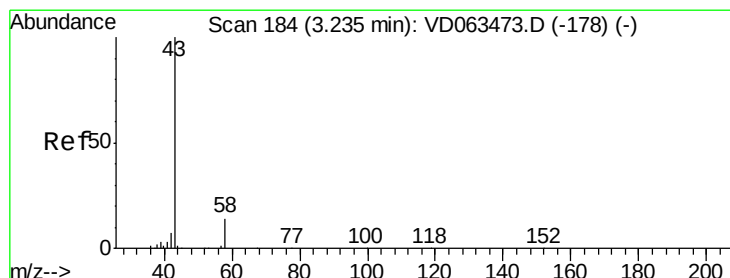
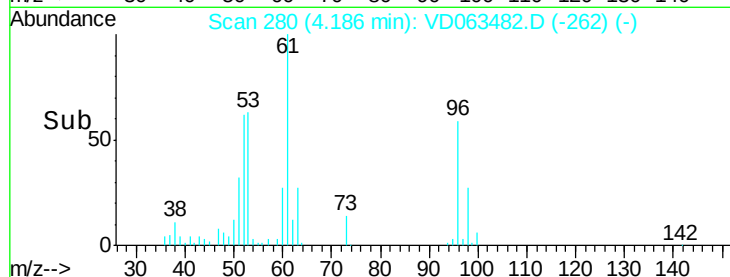
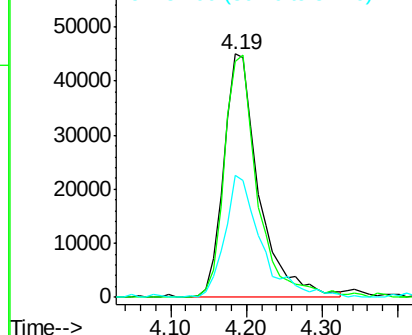
53 100

52 97.1 77.4 116.0

51 50.3 36.7 55.1



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: 98.103 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063482.D

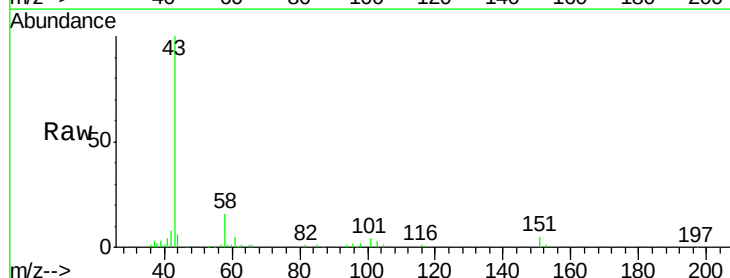
Acq: 12 Aug 2019 12:49

Tgt Ion: 43 Resp: 240775

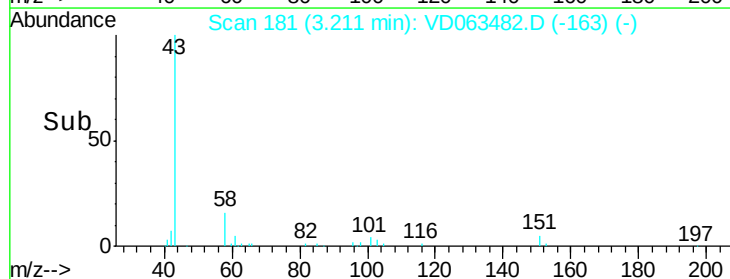
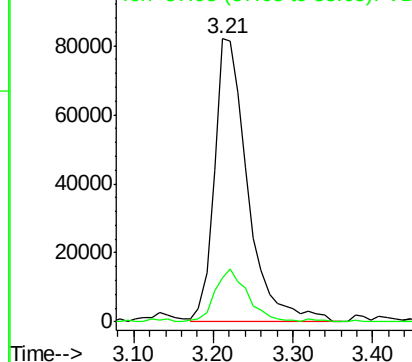
Ion Ratio Lower Upper

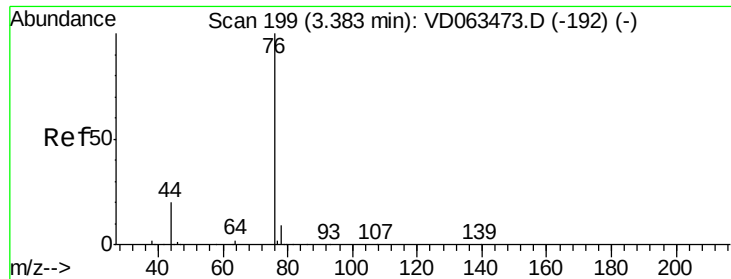
43 100

58 15.8 11.4 17.2



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

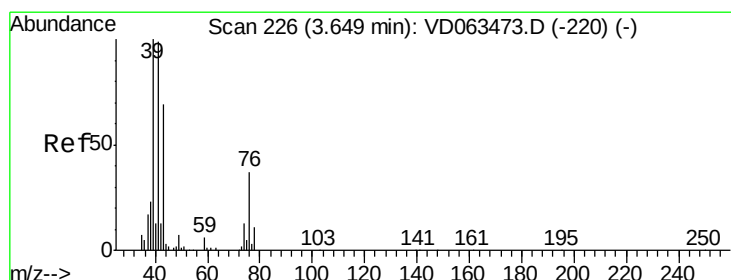
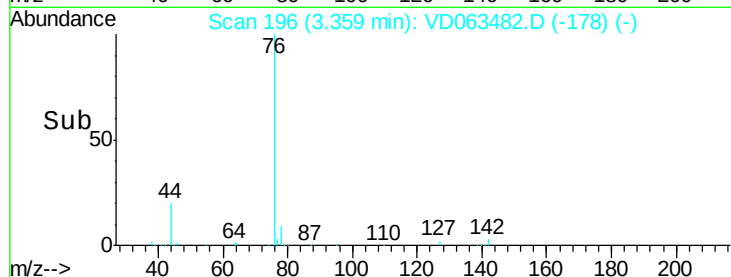
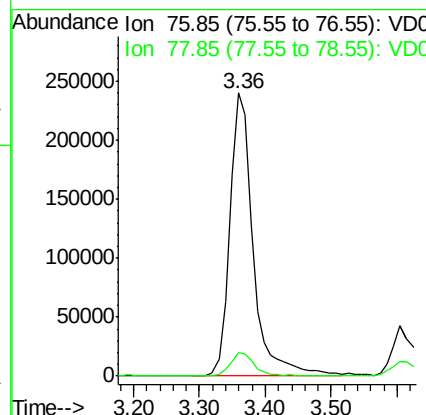
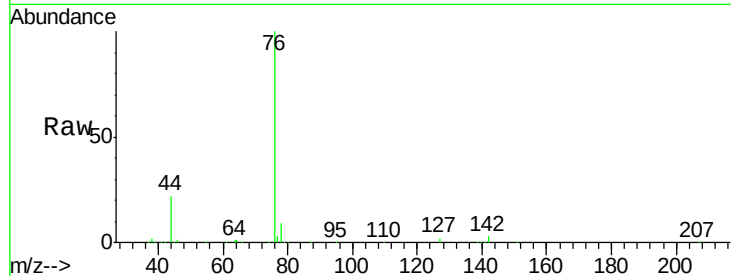




#17
Carbon Disulfide
Concen: 20.788 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

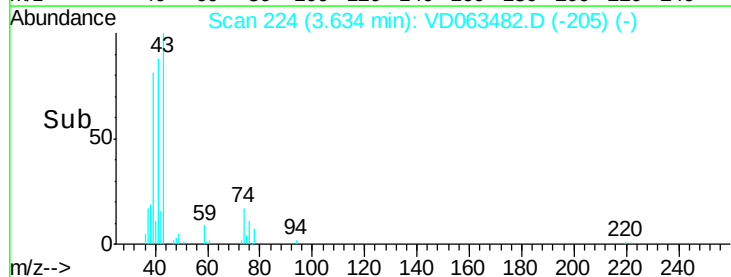
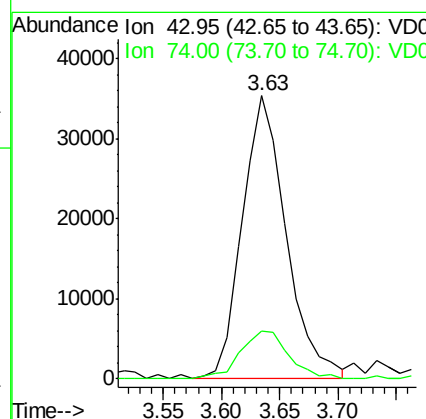
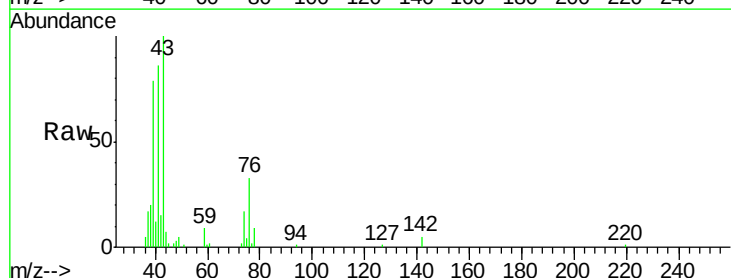
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

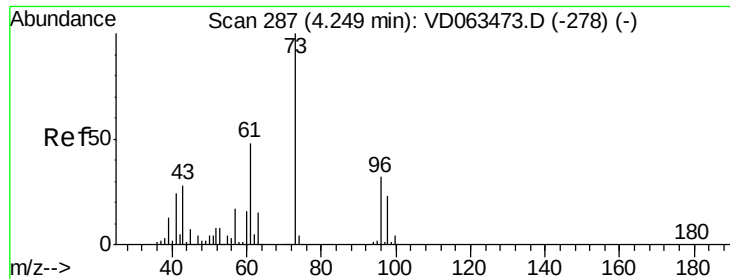
Tot Ion: 76 Resp: 598779
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 19.898 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 43 Resp: 92503
Ion Ratio Lower Upper
43 100
74 17.0 15.4 23.2

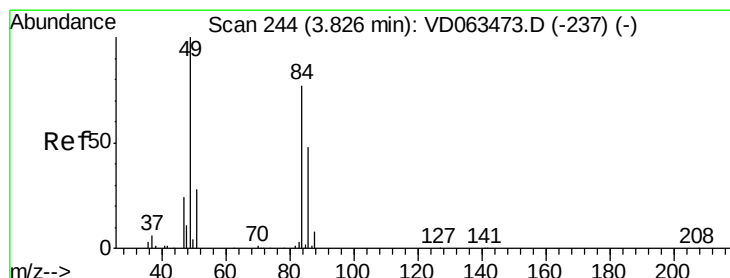
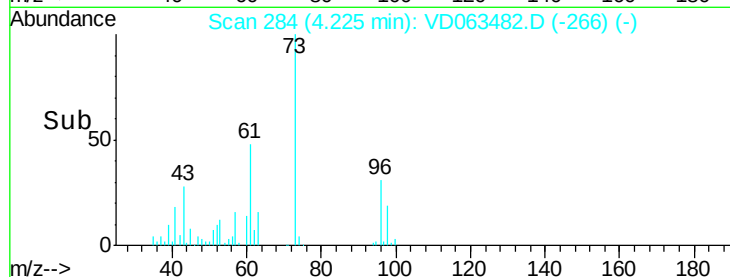
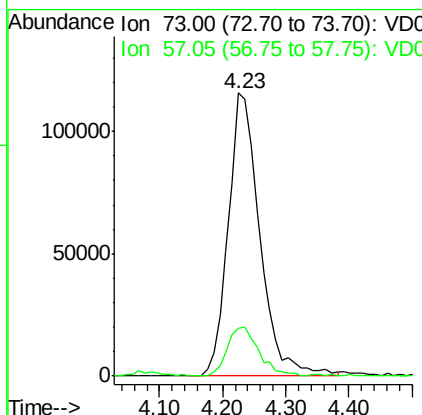
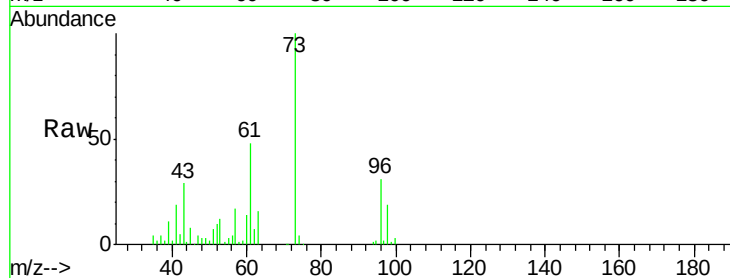




#19
Methyl tert-butyl Ether
Concen: 21.912 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

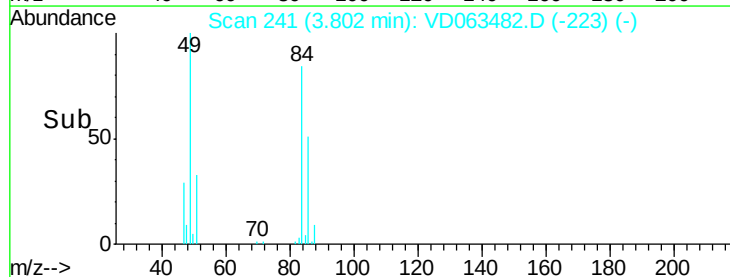
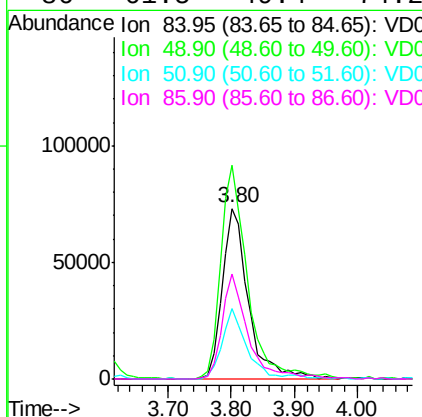
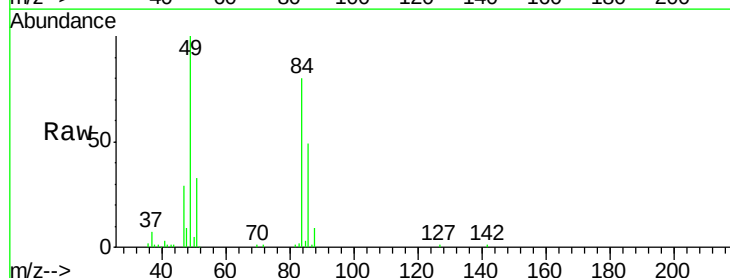
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

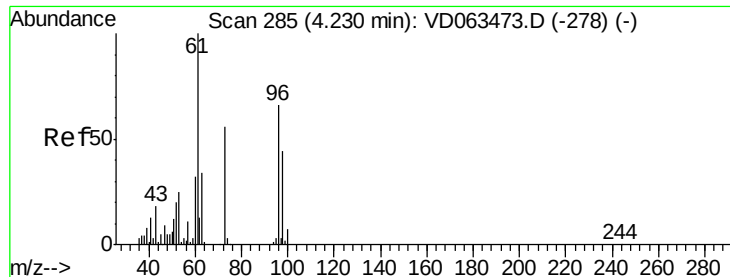
Tot Ion: 73 Resp: 399955
Ion Ratio Lower Upper
73 100
57 17.0 14.0 21.0



#20
Methylene Chloride
Concen: 19.914 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 84 Resp: 211340
Ion Ratio Lower Upper
84 100
49 125.0 103.4 155.2
51 41.2 28.5 42.7
86 61.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.358 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

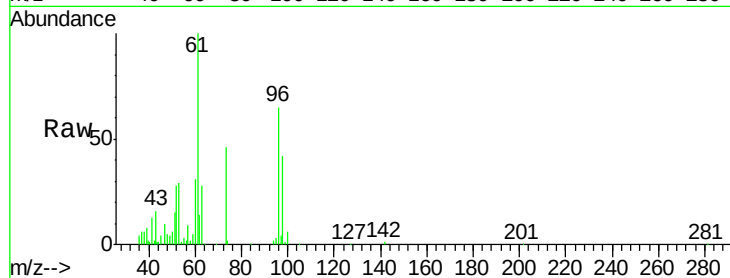
Tot Ion: 96 Resp: 205126

Ion Ratio Lower Upper

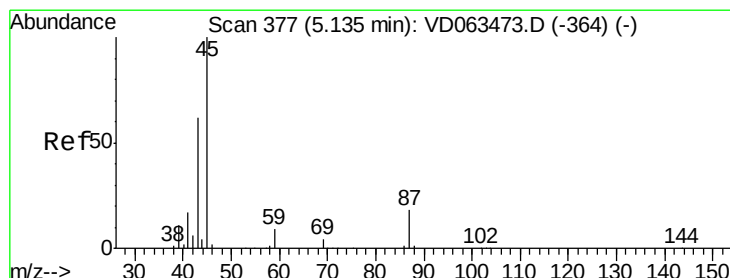
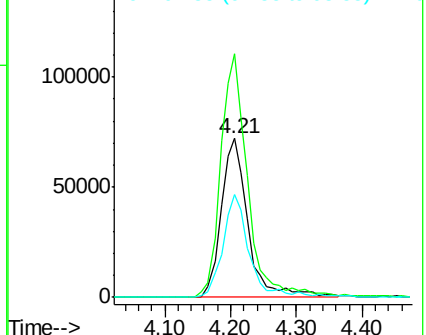
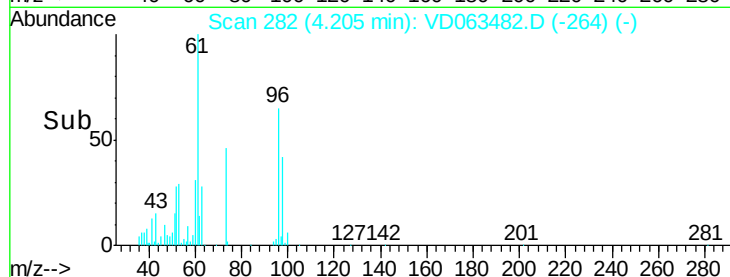
96 100

61 153.6 121.7 182.5

98 64.6 54.2 81.2



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: 20.764 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Tgt Ion: 45 Resp: 587885

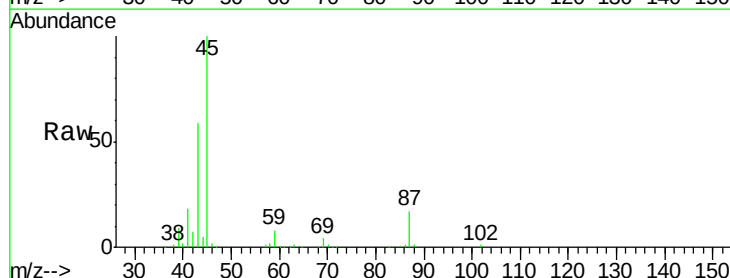
Ion Ratio Lower Upper

45 100

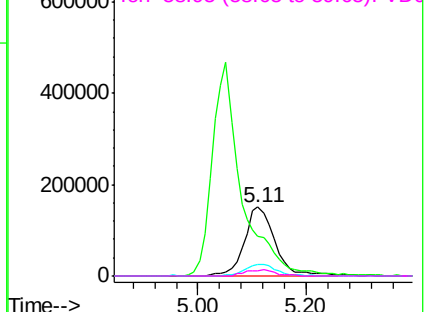
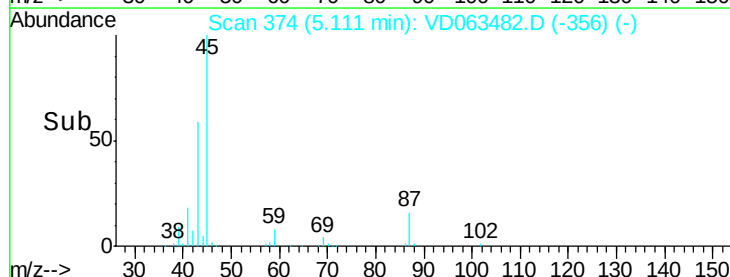
43 58.7 50.3 75.5

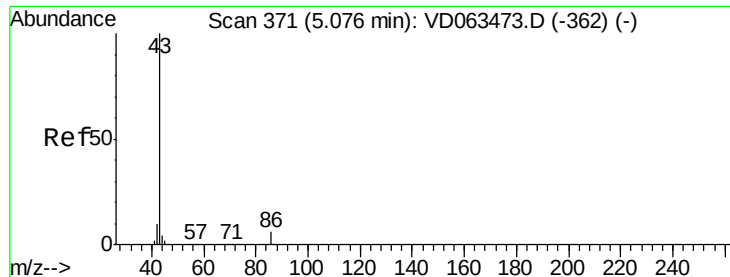
87 16.5 14.3 21.5

59 7.7 7.7 11.5#



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: 105.517 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleID :

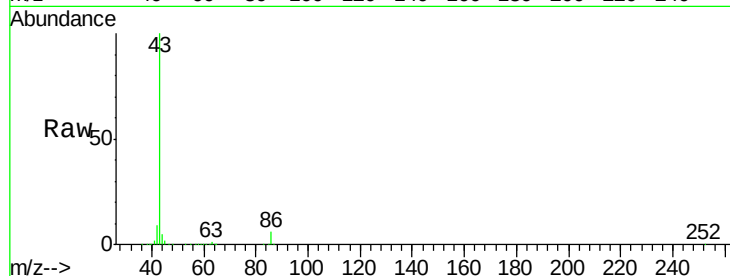
VD0812SBS01

Tot Ion: 43 Resp: 1736735

Ion Ratio Lower Upper

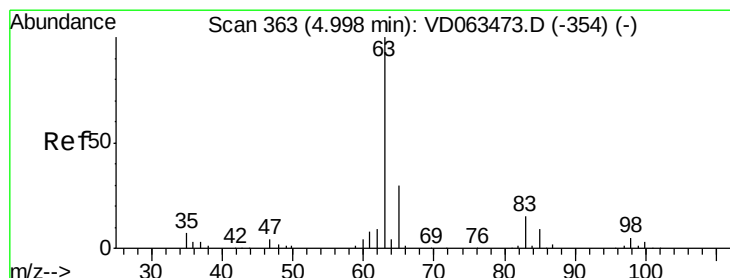
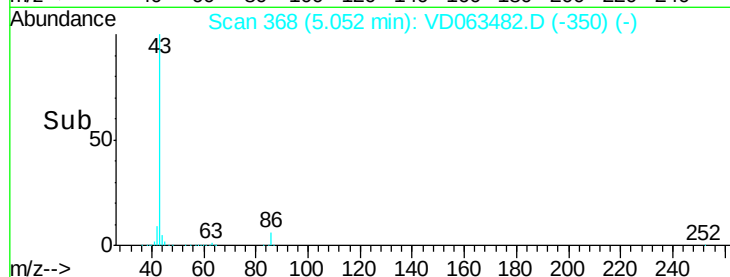
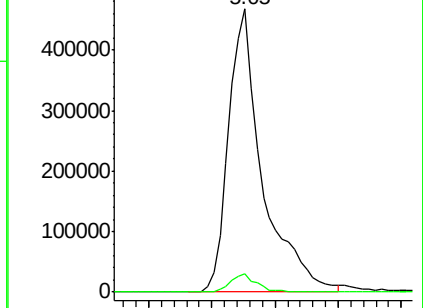
43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.638 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

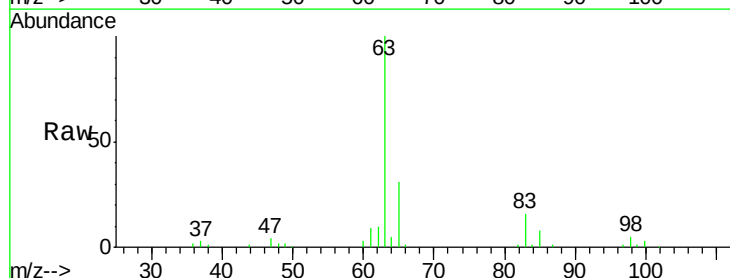
Tgt Ion: 63 Resp: 379962

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

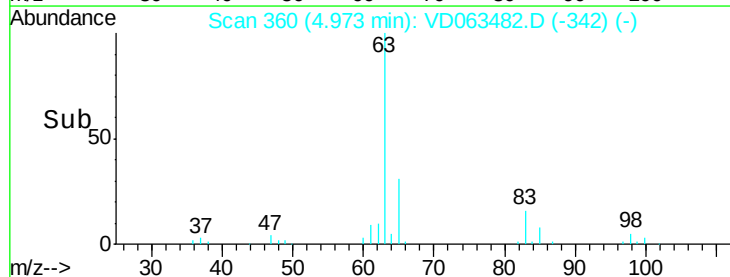
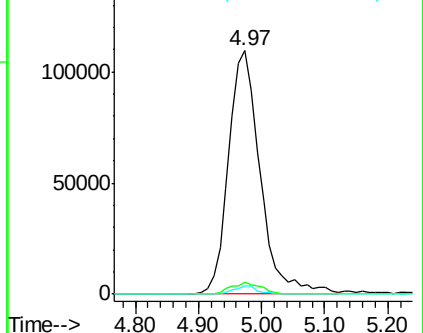
100 3.4 1.3 3.8

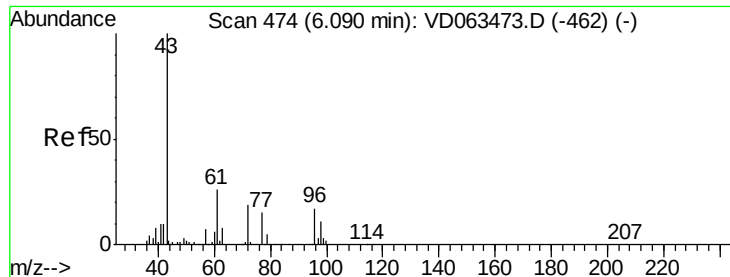


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.240 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

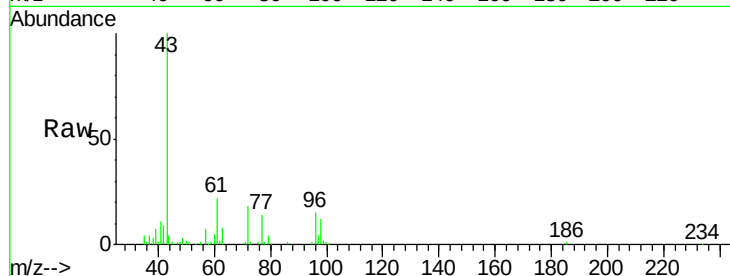
VD0812SBSD01

Tot Ion: 43 Resp: 245401

Ion Ratio Lower Upper

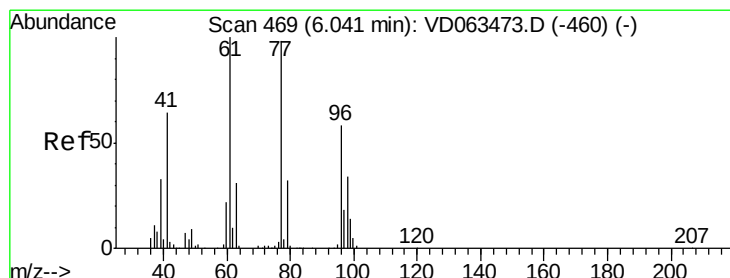
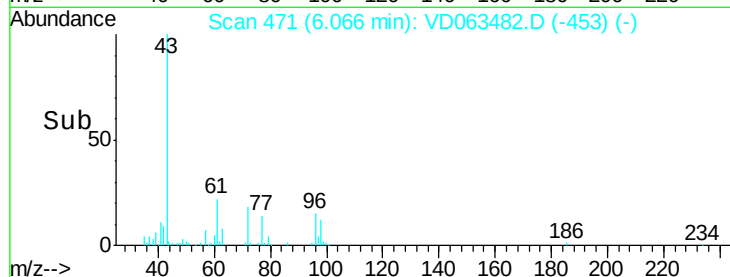
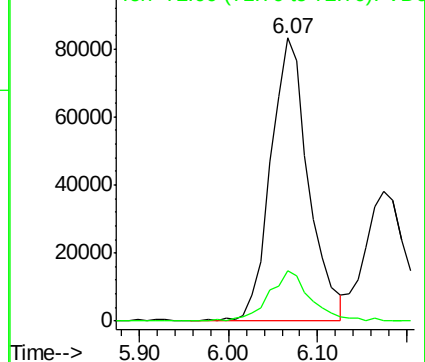
43 100

72 17.9 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.973 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.03 min

Lab File: VD063482.D

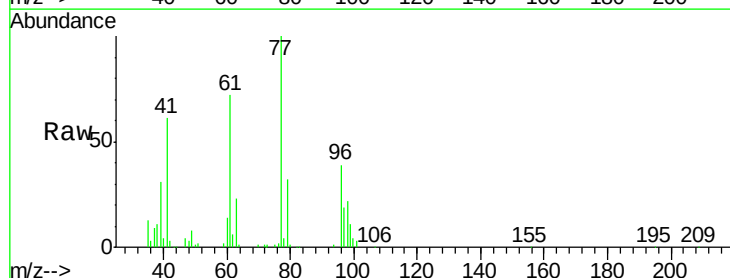
Acq: 12 Aug 2019 12:49

Tgt Ion: 77 Resp: 384310

Ion Ratio Lower Upper

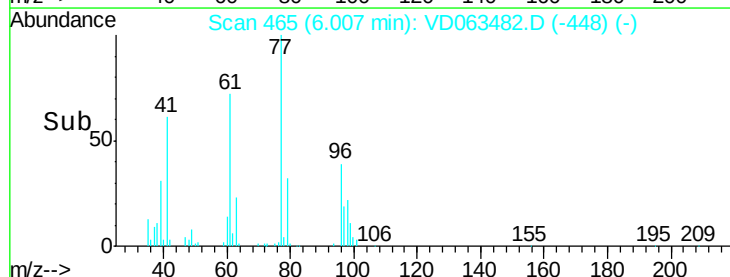
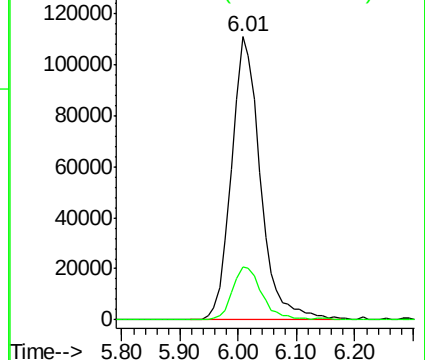
77 100

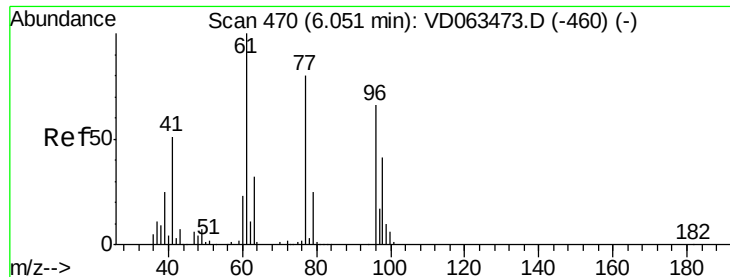
97 18.7 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



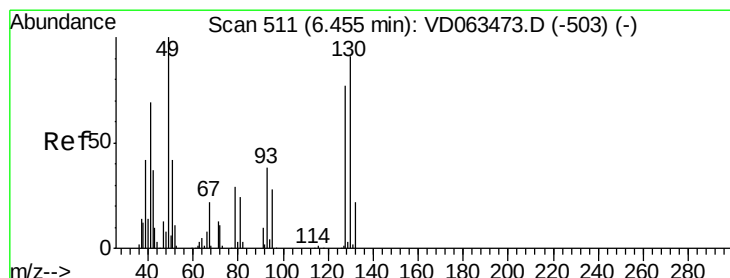
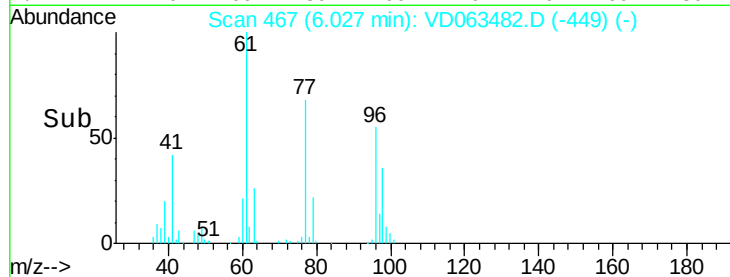
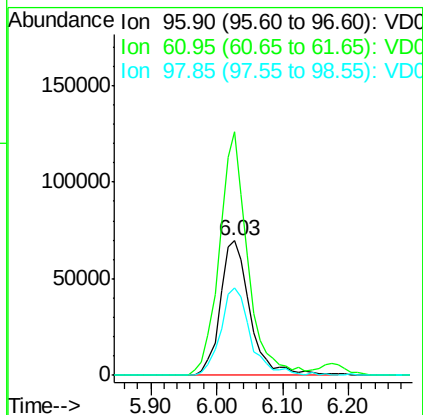
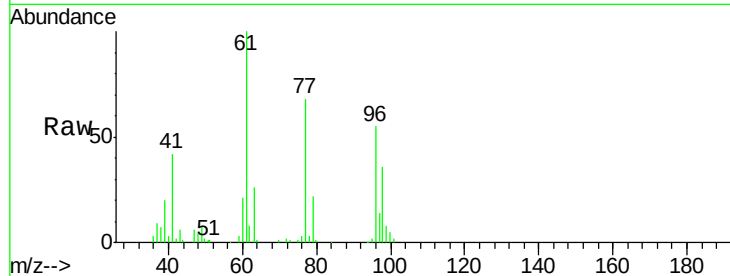


#27

cis-1,2-Dichloroethene
 Concen: 20.925 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

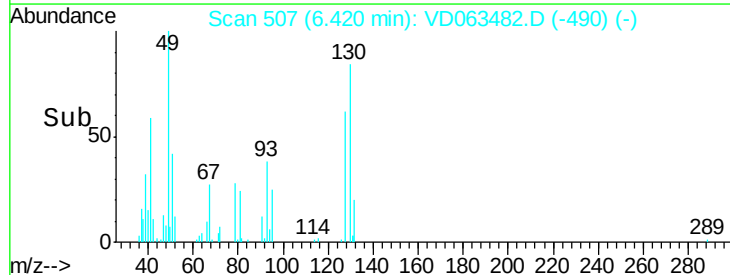
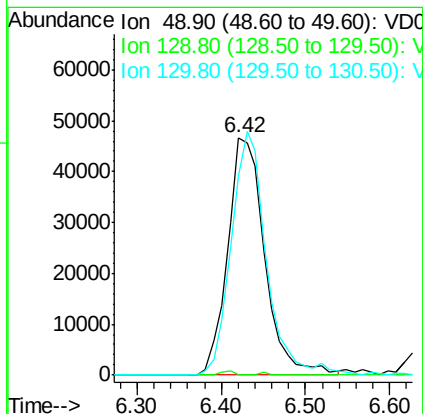
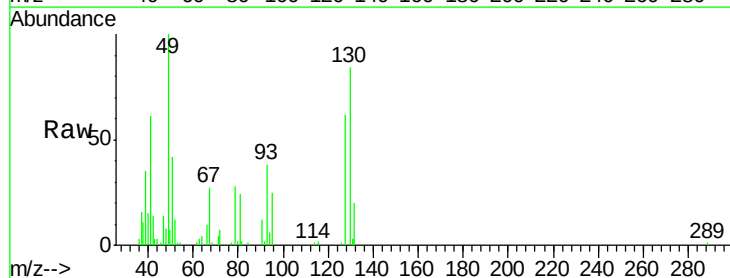
Tot Ion: 96 Resp: 219879
 Ion Ratio Lower Upper
 96 100
 61 180.7 0.0 304.0
 98 64.6 0.0 124.8

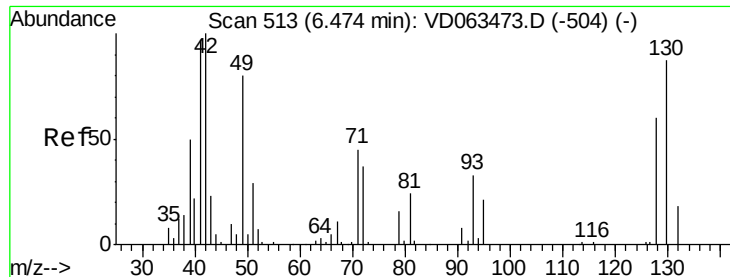


#28

Bromochloromethane
 Concen: 20.041 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion: 49 Resp: 142628
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.4
 130 83.7 72.4 108.6





#29

Tetrahydrofuran

Concen: 106.155 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

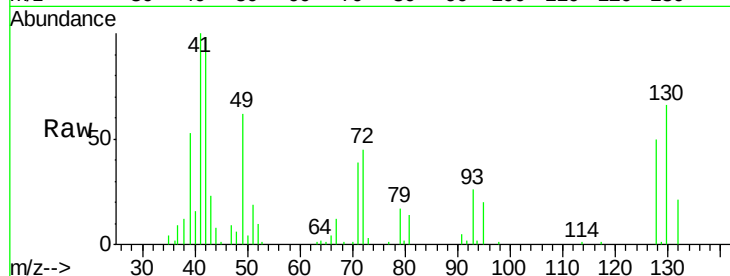
Tot Ion: 42 Resp: 119902

Ion Ratio Lower Upper

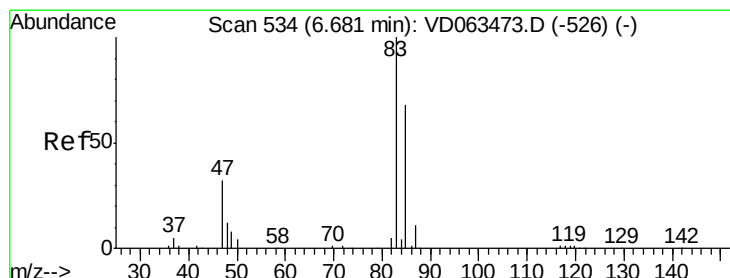
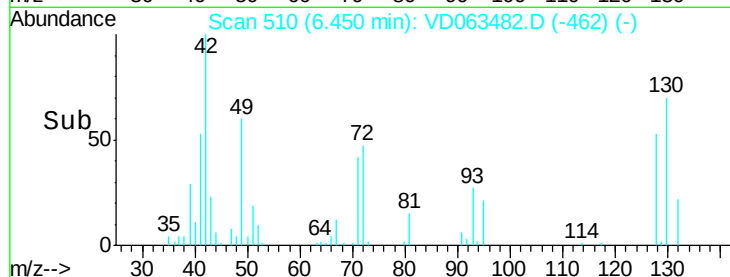
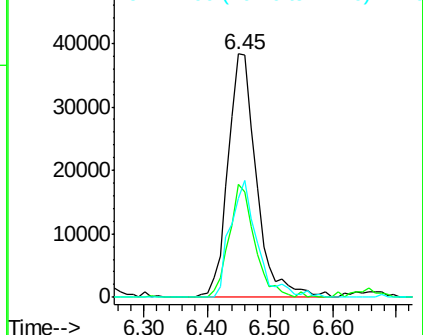
42 100

72 41.5 31.5 47.3

71 44.8 33.8 50.8



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: 20.988 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063482.D

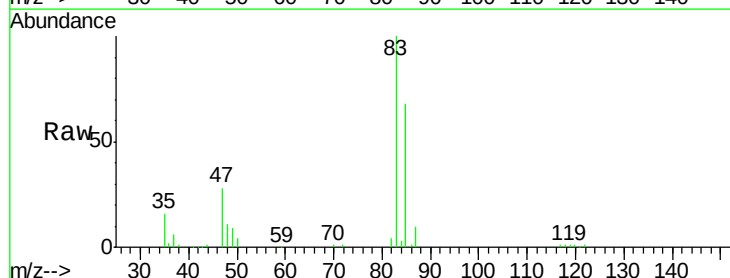
Acq: 12 Aug 2019 12:49

Tgt Ion: 83 Resp: 458098

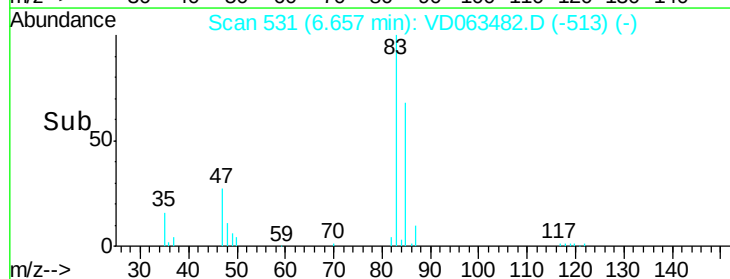
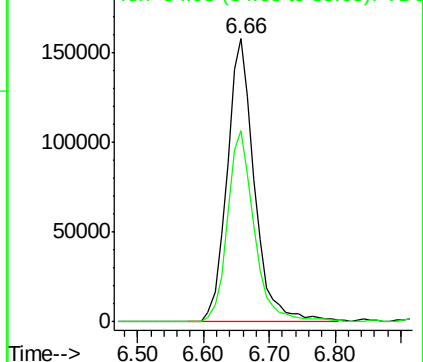
Ion Ratio Lower Upper

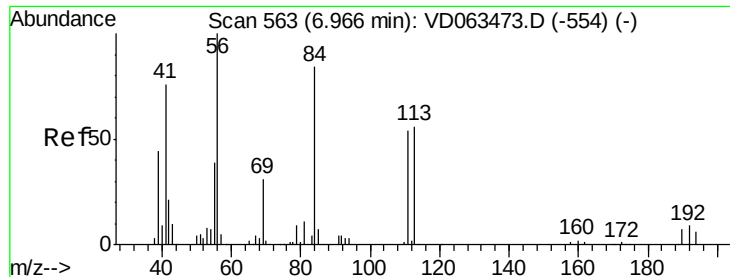
83 100

85 67.7 54.8 82.2



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

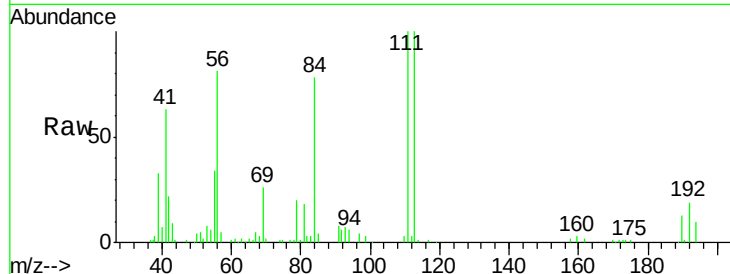




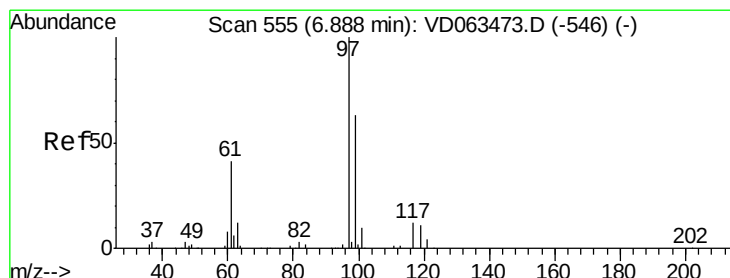
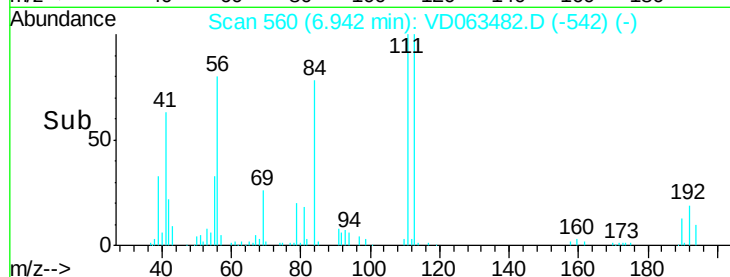
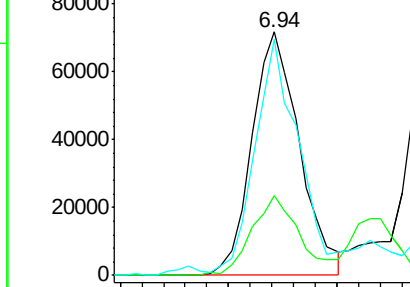
#31
Cyclohexane
Concen: 20.039 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

Tot Ion: 56 Resp: 218457
Ion Ratio Lower Upper
56 100
69 32.6 25.0 37.6
84 97.0 69.7 104.5

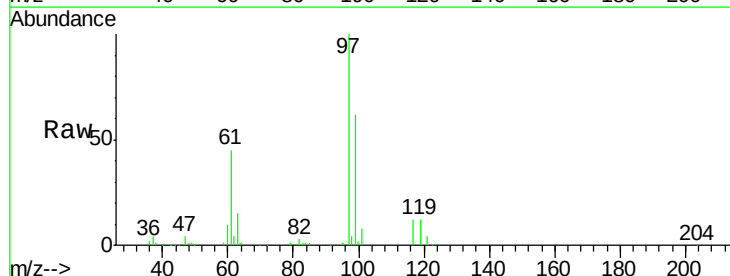


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

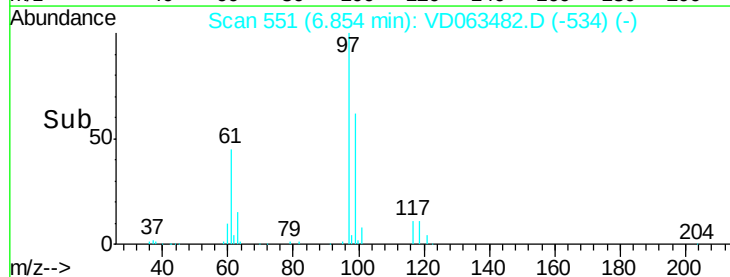
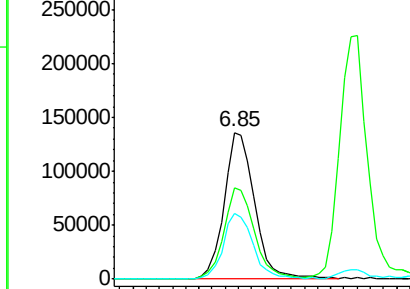


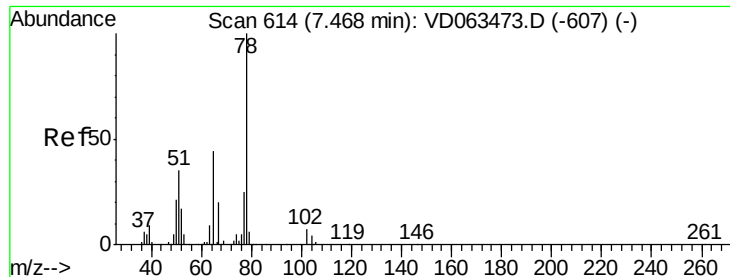
#32
1,1,1-Trichloroethane
Concen: 21.051 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.03 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 97 Resp: 439520
Ion Ratio Lower Upper
97 100
99 62.5 50.2 75.4
61 45.1 33.1 49.7



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

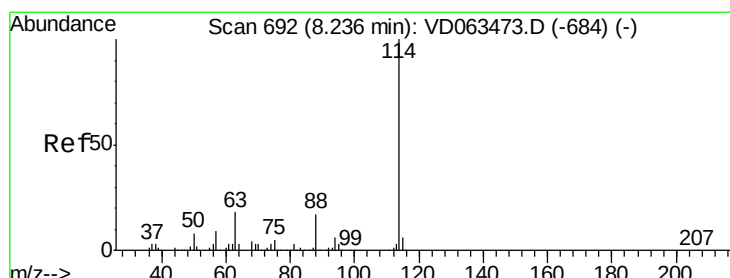
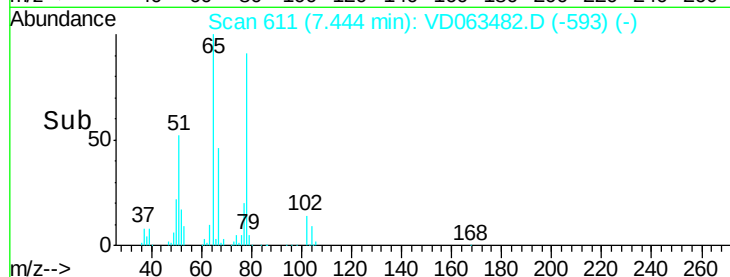
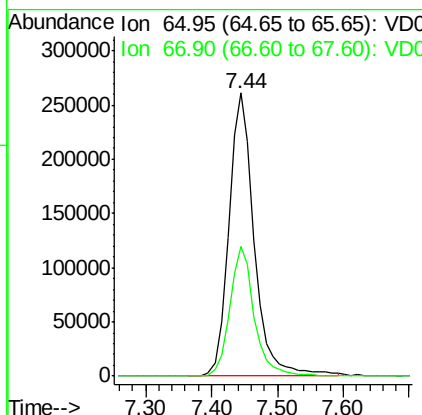
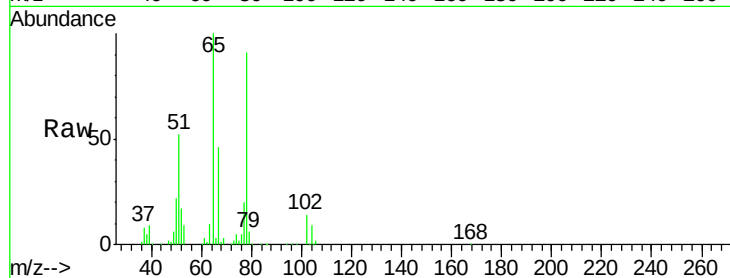




#33
 1,2-Dichloroethane-d4
 Concen: 58.179 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

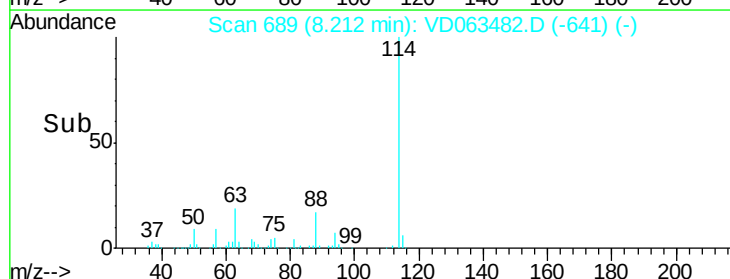
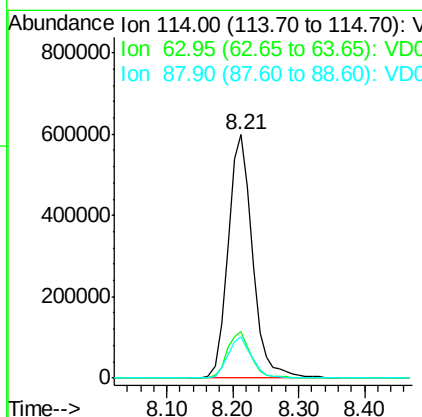
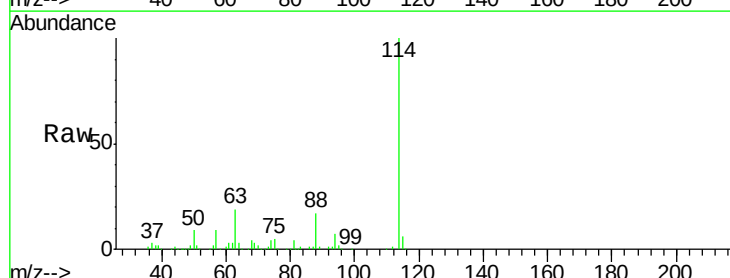
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

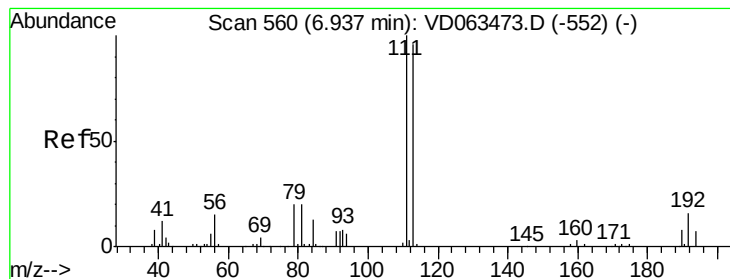
Tot Ion: 65 Resp: 702425
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion: 114 Resp: 1554286
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.2
 88 16.8 0.0 35.0





#35

Dibromofluoromethane

Concen: 55.926 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

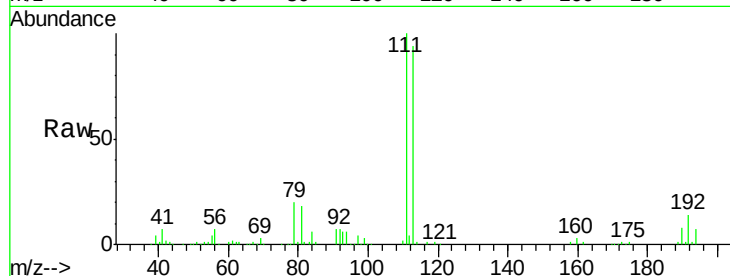
Tot Ion:113 Resp: 732093

Ion Ratio Lower Upper

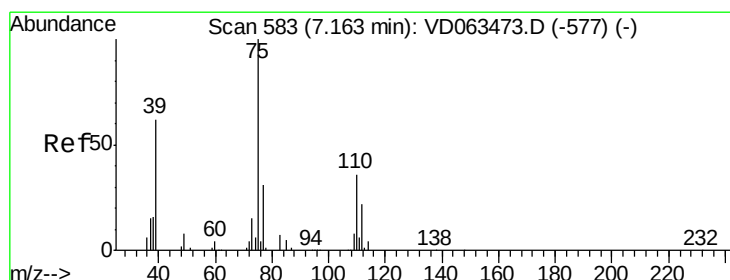
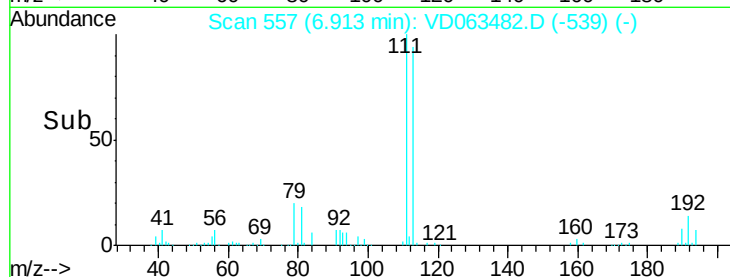
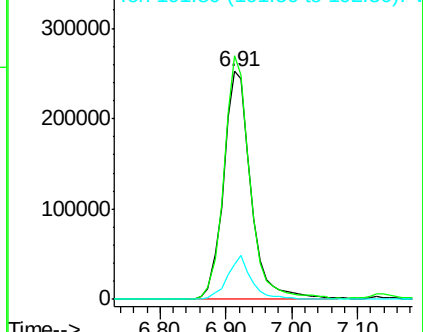
113 100

111 106.7 83.1 124.7

192 15.4 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.095 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

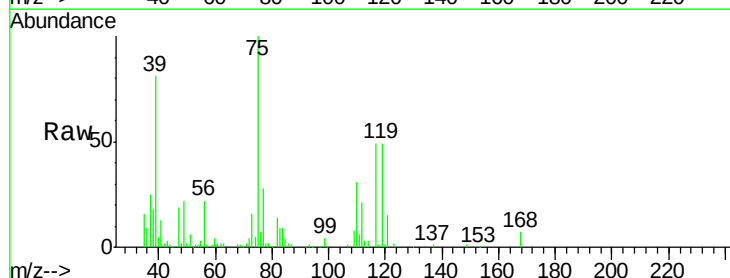
Tgt Ion: 75 Resp: 289853

Ion Ratio Lower Upper

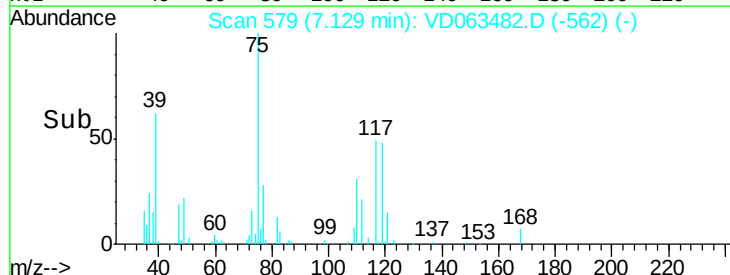
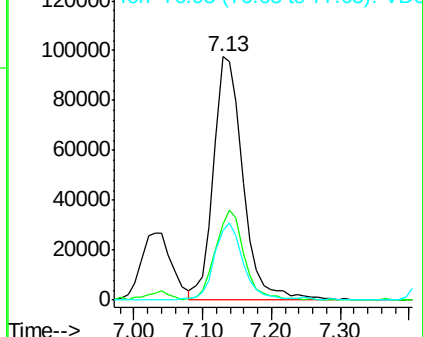
75 100

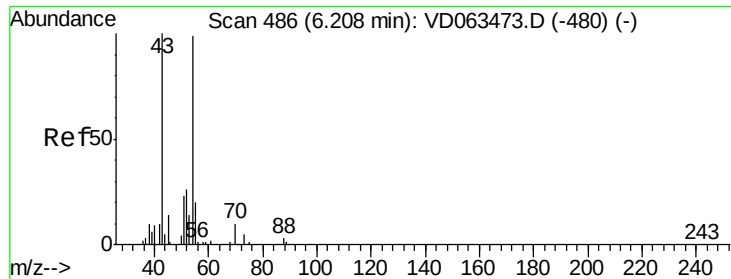
110 31.1 17.6 52.8

77 28.4 24.3 36.5



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

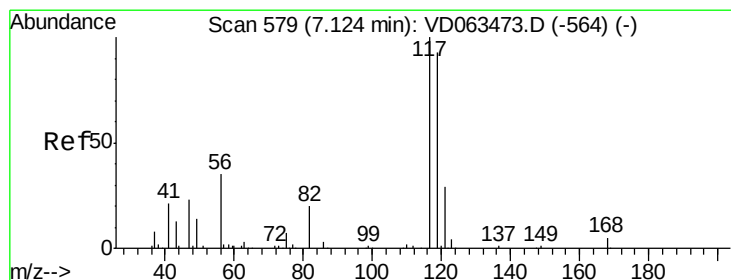
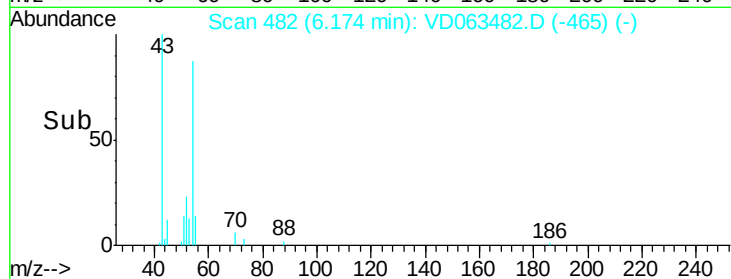
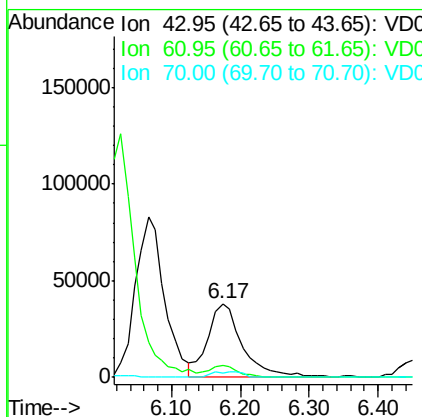
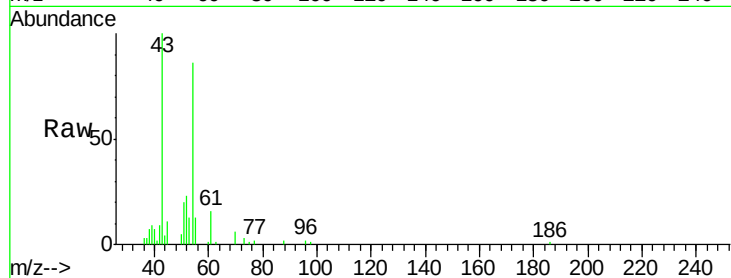




#37
Ethyl Acetate
Concen: 22.443 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

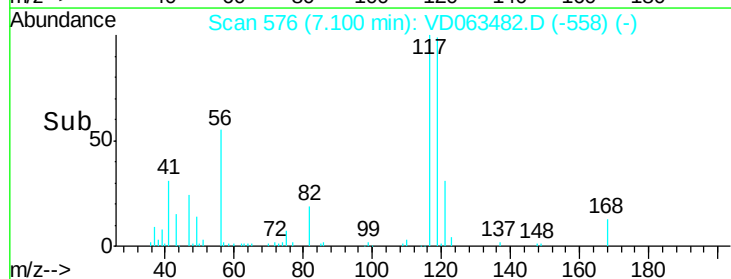
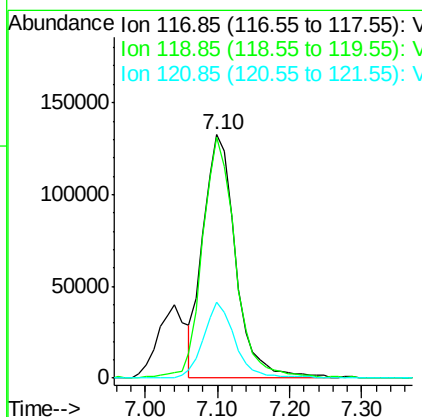
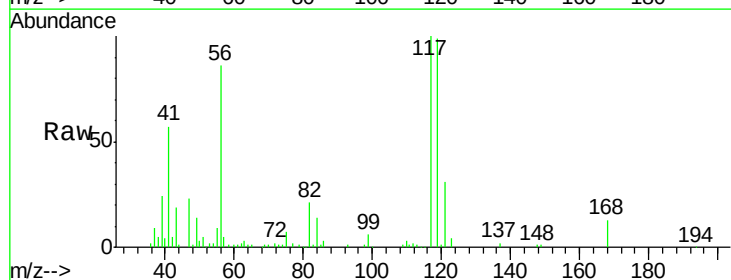
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

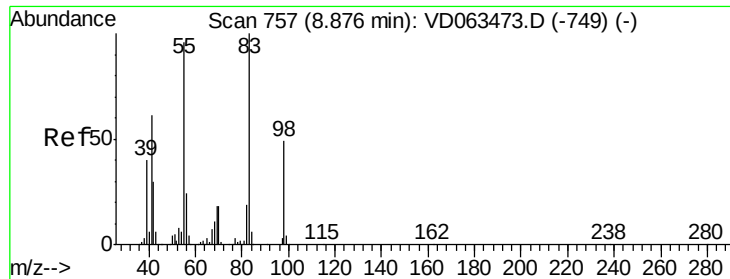
Tot Ion: 43 Resp: 129216
Ion Ratio Lower Upper
43 100
61 16.2 9.0 13.6#
70 5.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 19.773 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 117 Resp: 409458
Ion Ratio Lower Upper
117 100
119 98.9 74.2 111.2
121 31.1 23.1 34.7

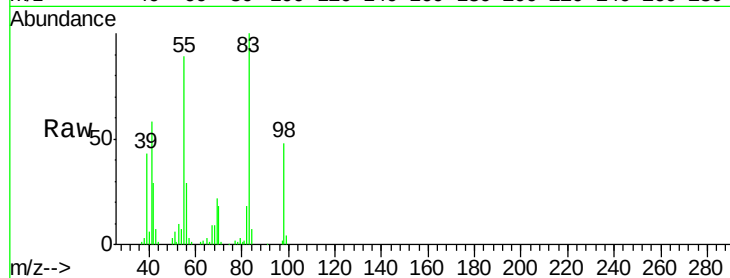




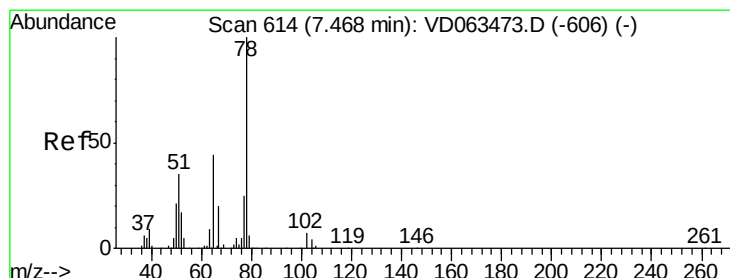
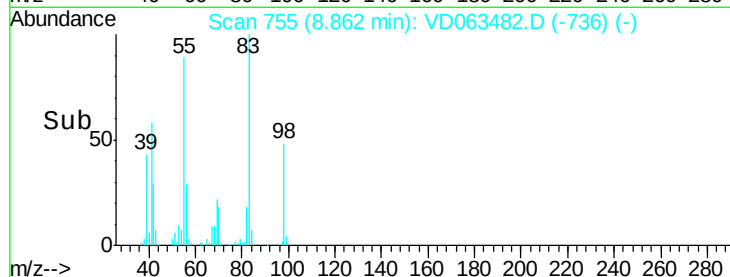
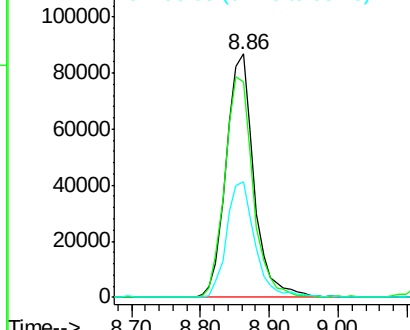
#39
Methylvlcyclohexane
Concen: 20.791 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

Tot Ion: 83 Resp: 242918
Ion Ratio Lower Upper
83 100
55 88.7 76.6 114.8
98 47.6 39.4 59.0

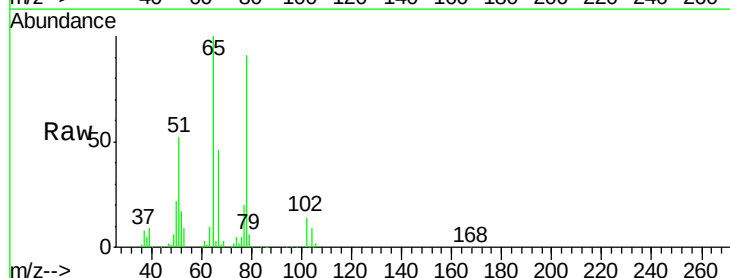


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

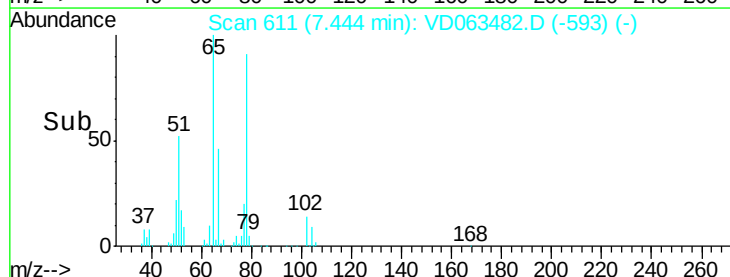
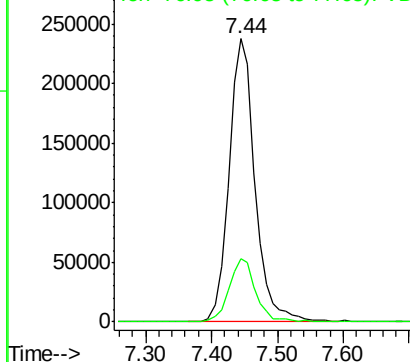


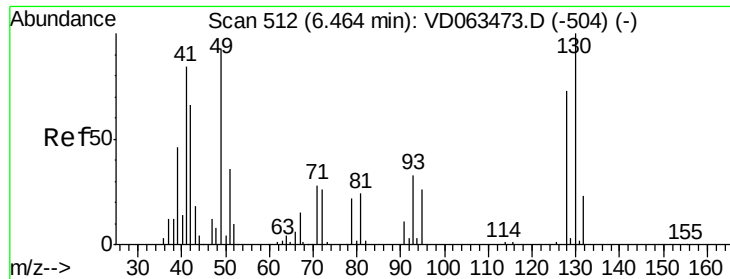
#40
Benzene
Concen: 21.614 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 78 Resp: 653554
Ion Ratio Lower Upper
78 100
77 22.3 20.1 30.1



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

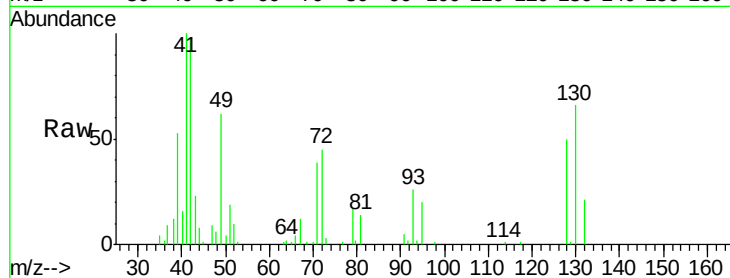




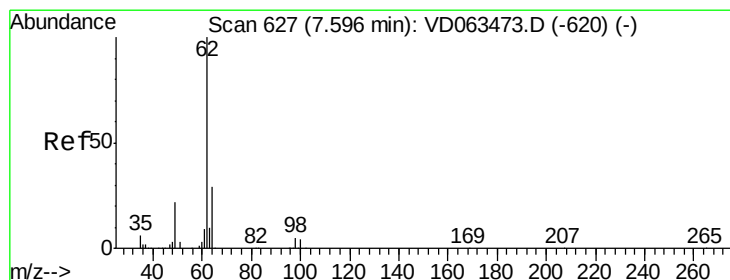
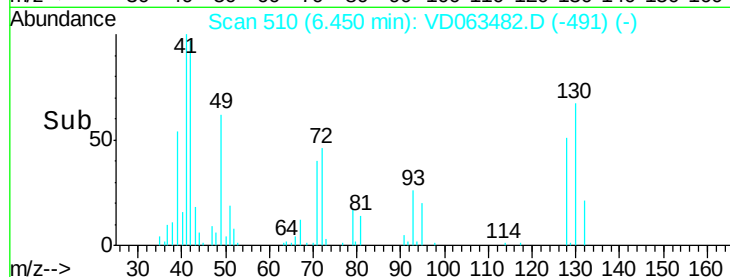
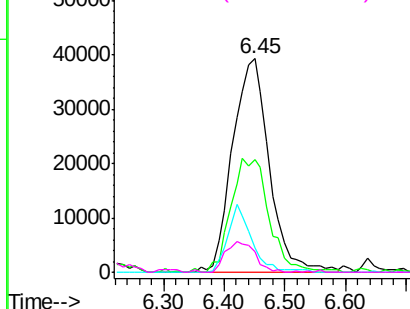
#41
Methacrylonitrile
Concen: 22.711 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

Tot Ion:	41	Resp:	164645
Ion	Ratio	Lower	Upper
41	100		
39	53.0	44.6	66.8
67	11.5	14.4	21.6
52	9.6	9.3	13.9

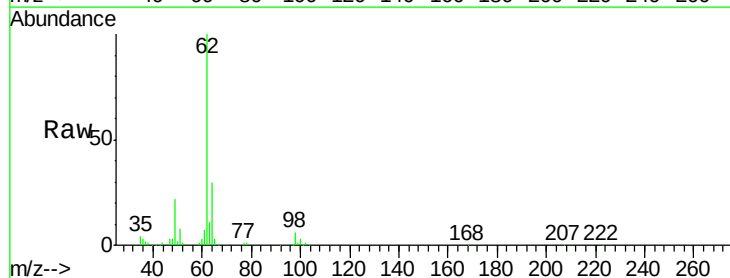


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

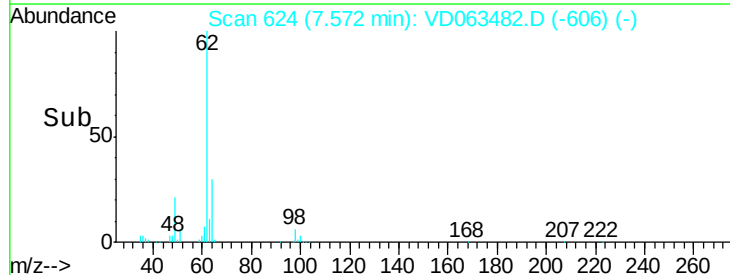
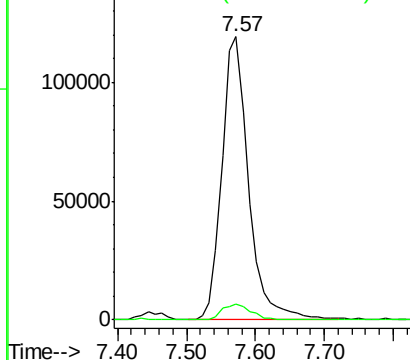


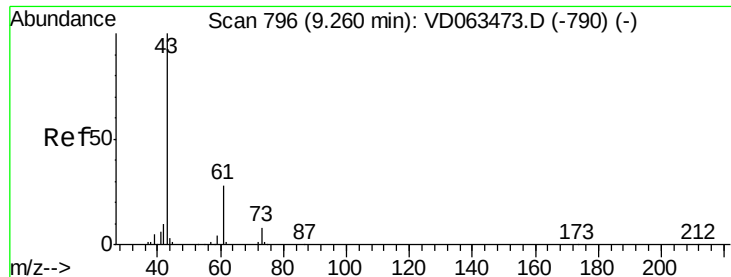
#42
1,2-Dichloroethane
Concen: 20.998 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion:	62	Resp:	319261
Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	10.4



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





#43

Isopropyl Acetate

Concen: 22.183 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

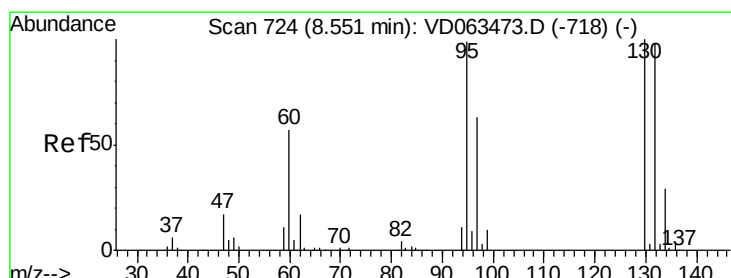
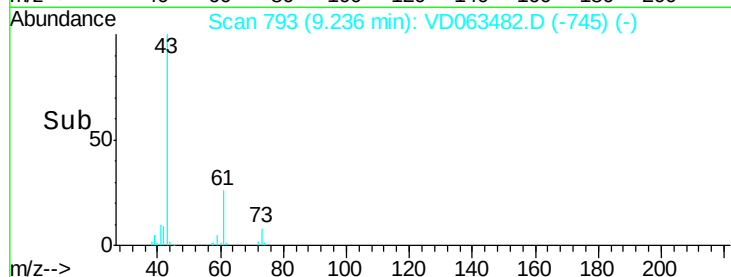
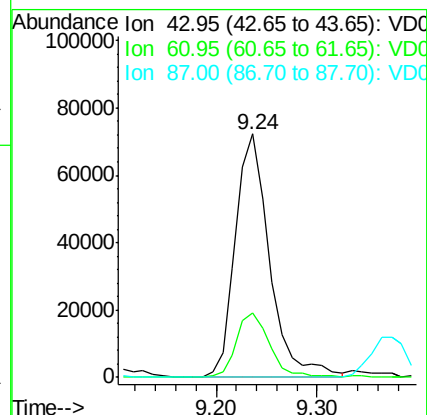
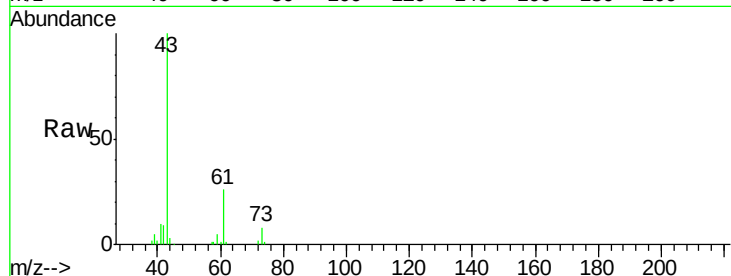
Tot Ion: 43 Resp: 171055

Ion Ratio Lower Upper

43 100

61 26.3 22.2 33.2

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 21.694 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063482.D

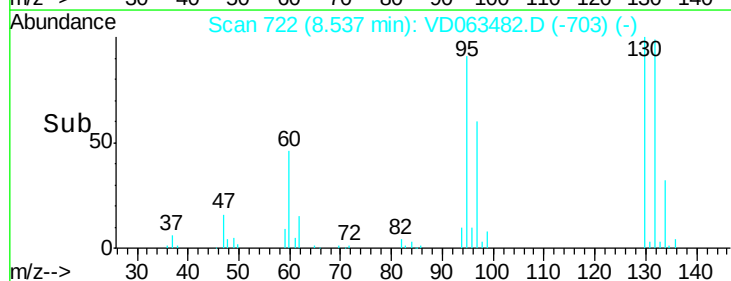
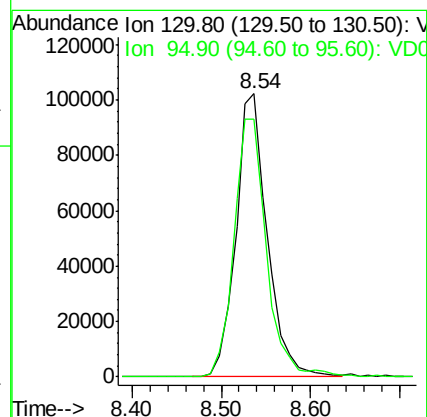
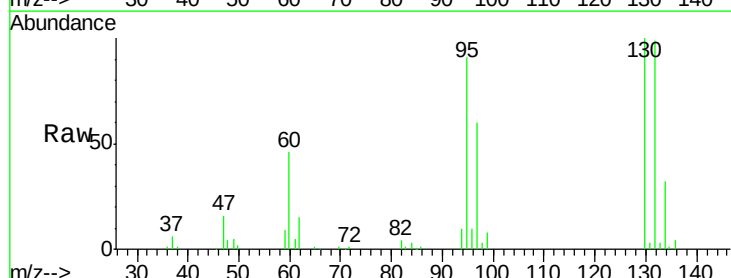
Acq: 12 Aug 2019 12:49

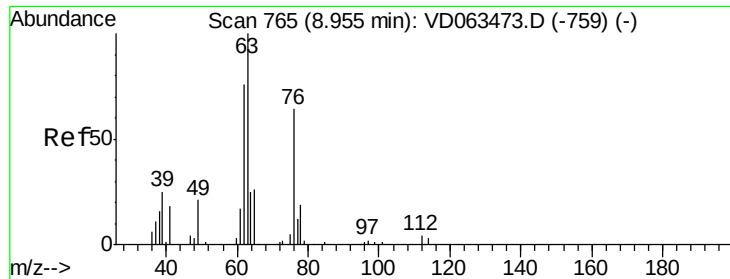
Tgt Ion: 130 Resp: 250727

Ion Ratio Lower Upper

130 100

95 91.0 0.0 198.0

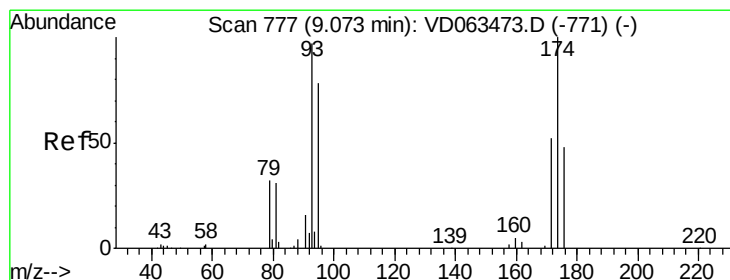
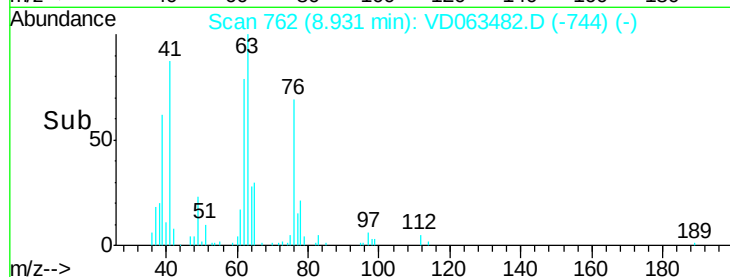
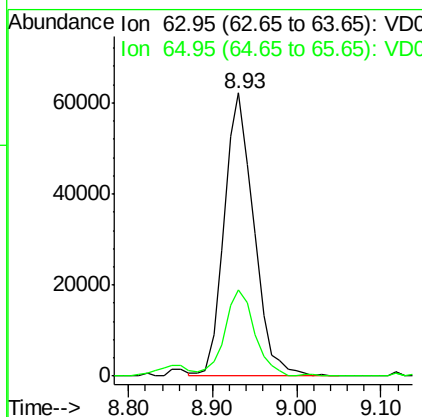
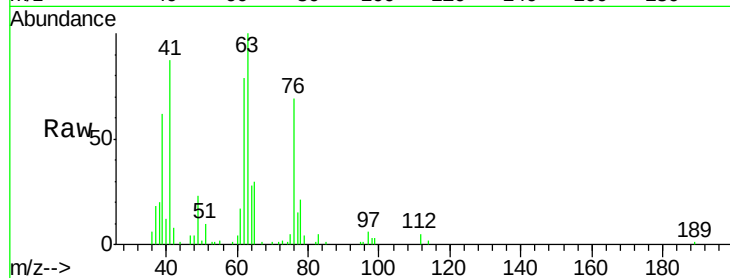




#45
 1,2-Dichloropropane
 Concen: 21.555 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

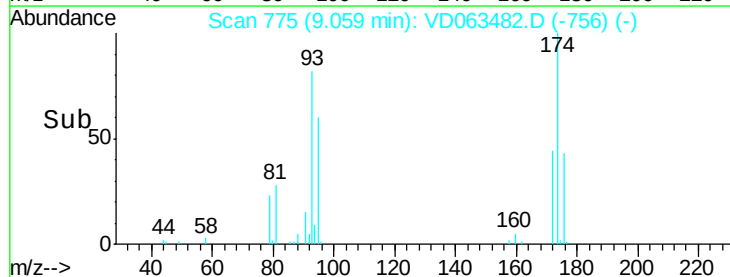
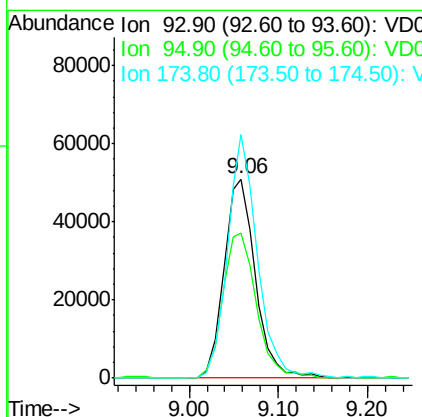
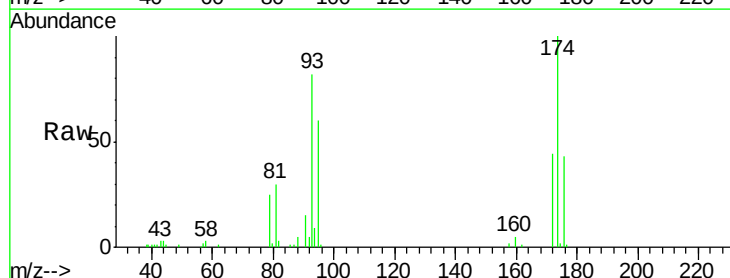
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

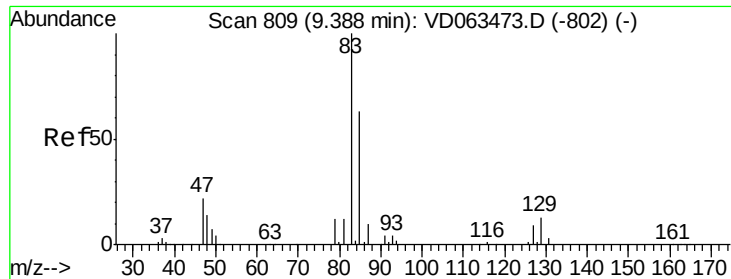
Tot Ion: 63 Resp: 151779
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.5 33.7



#46
 Dibromomethane
 Concen: 20.889 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion: 93 Resp: 125615
 Ion Ratio Lower Upper
 93 100
 95 72.8 64.2 96.2
 174 122.1 82.1 123.1





#47

Bromodichloromethane

Concen: 21.476 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

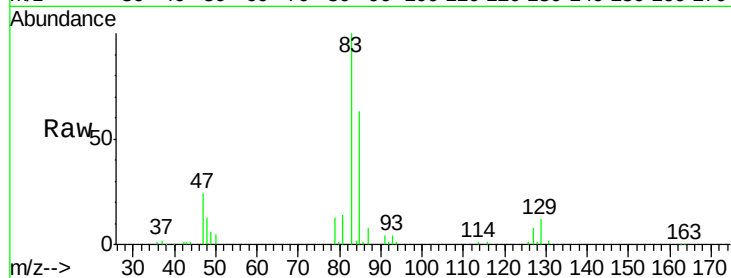
Tot Ion: 83 Resp: 331269

Ion Ratio Lower Upper

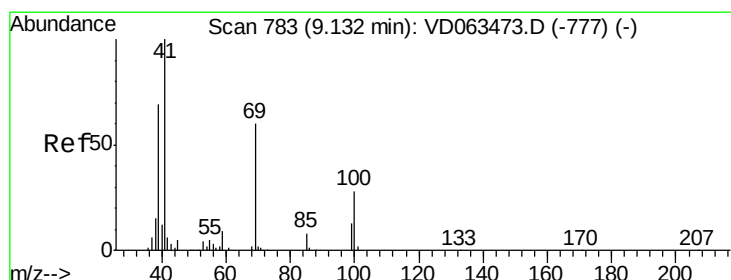
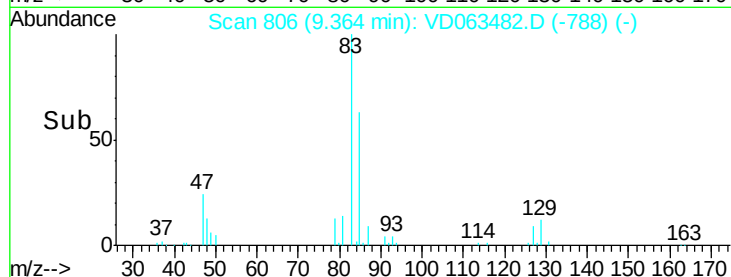
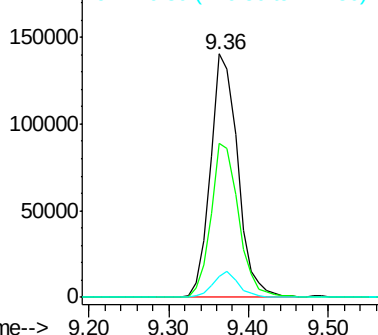
83 100

85 63.1 50.1 75.1

127 8.5 7.6 11.4



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



#48

Methyl methacrylate

Concen: 20.393 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

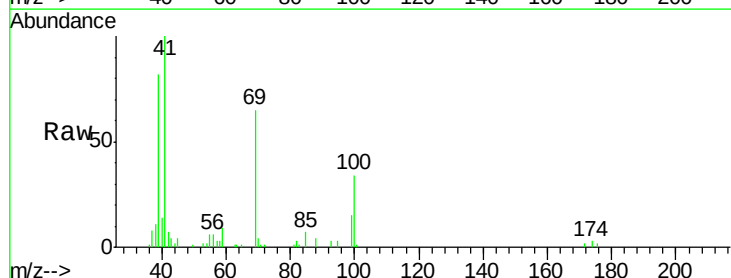
Tgt Ion: 41 Resp: 106646

Ion Ratio Lower Upper

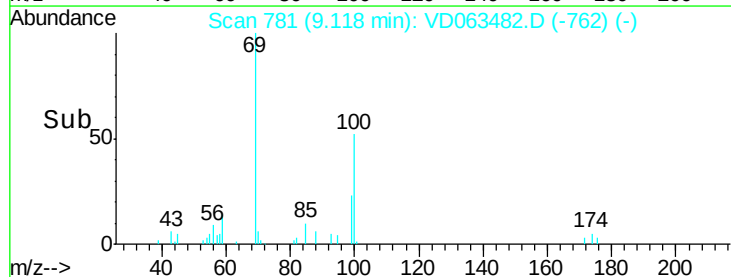
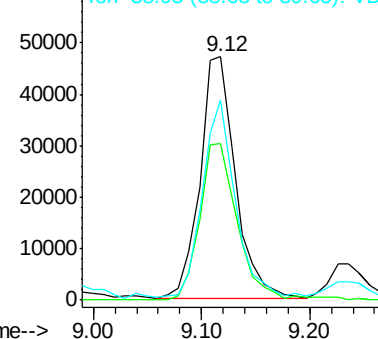
41 100

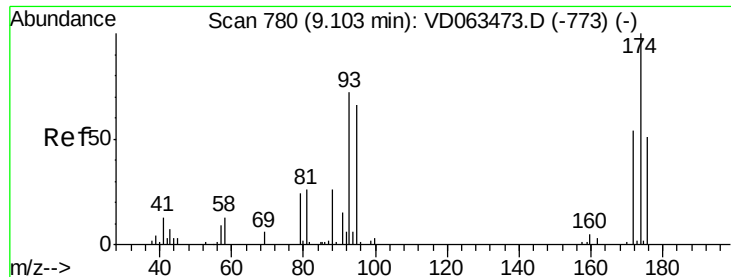
69 64.5 47.6 71.4

39 82.4 55.7 83.5



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





#49

1,4-Dioxane

Concen: 469.397 ug/l

RT: 9.08 min Scan# 777

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

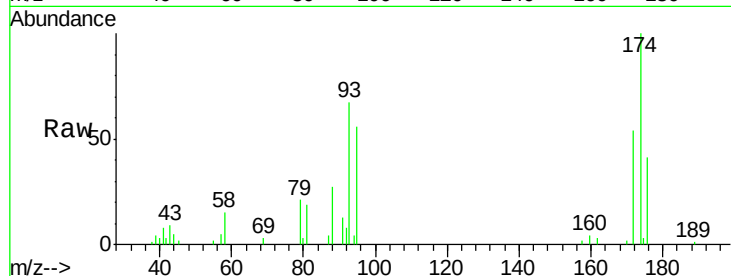
Tot Ion: 88 Resp: 21292

Ion Ratio Lower Upper

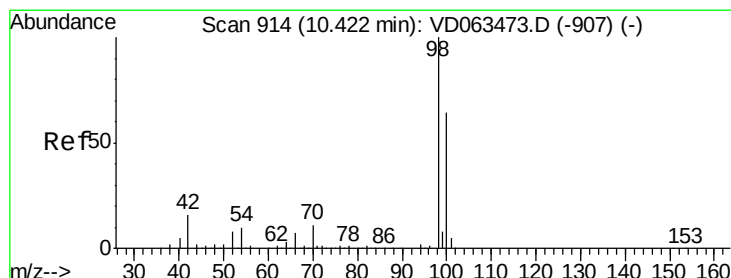
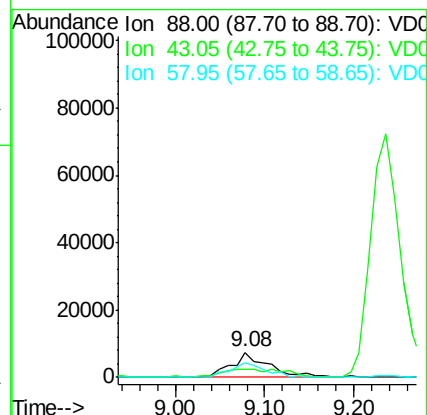
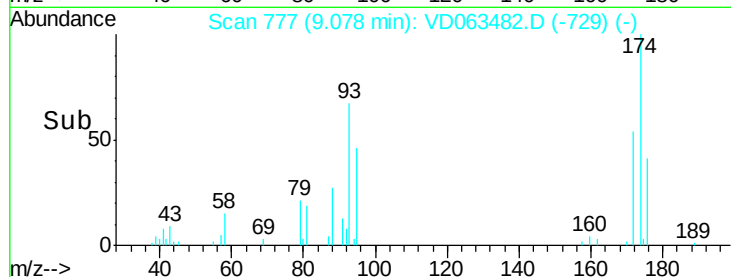
88 100

43 33.1 22.9 34.3

58 55.9 40.1 60.1



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



#50

Toluene-d8

Concen: 59.867 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063482.D

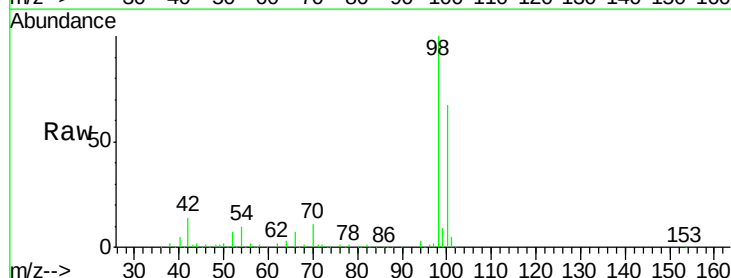
Acq: 12 Aug 2019 12:49

Tgt Ion: 98 Resp: 1722937

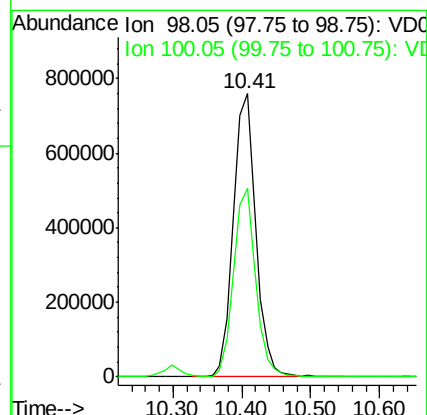
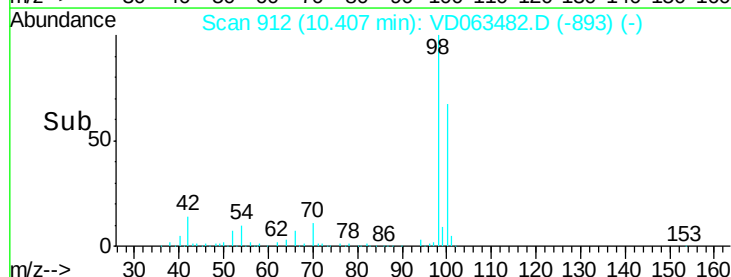
Ion Ratio Lower Upper

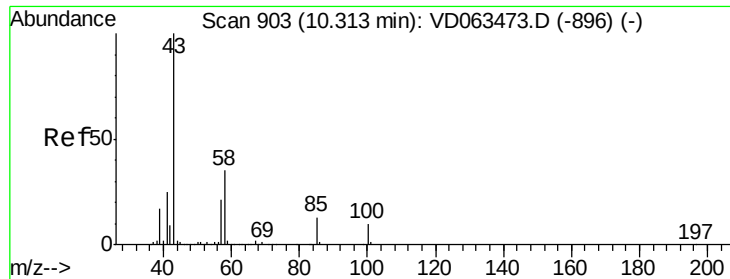
98 100

100 66.8 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 103.112 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

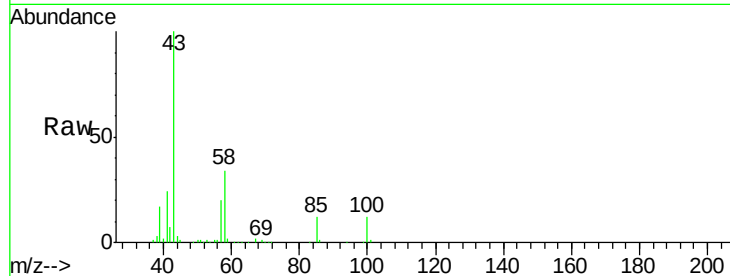
VD0812SBS01

Tot Ion: 43 Resp: 544079

Ion Ratio Lower Upper

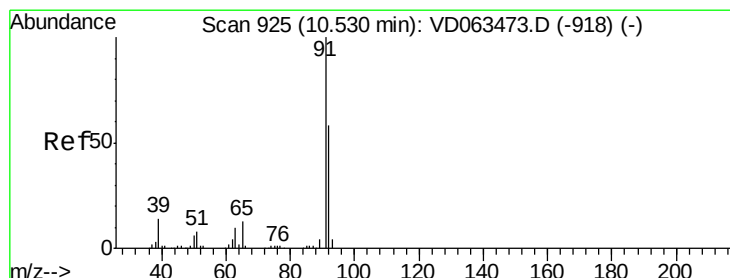
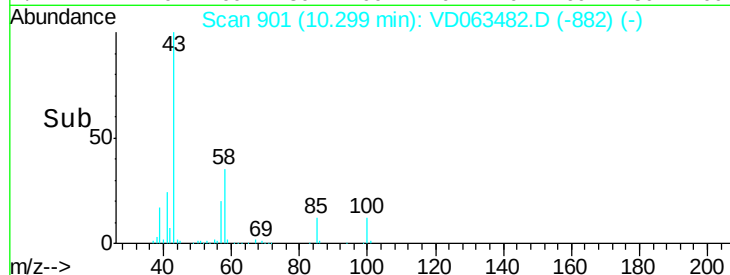
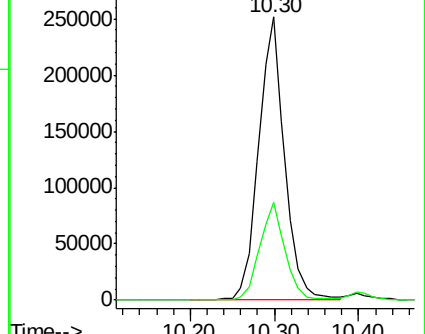
43 100

58 34.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.068 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD063482.D

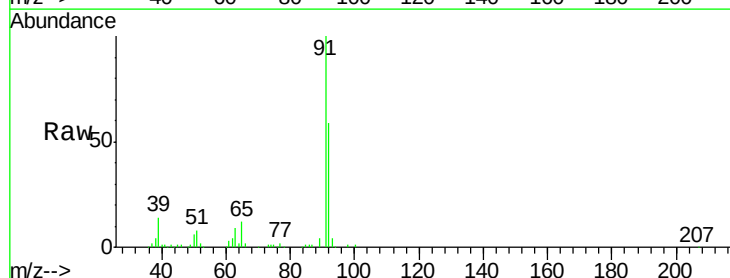
Acq: 12 Aug 2019 12:49

Tgt Ion: 92 Resp: 410312

Ion Ratio Lower Upper

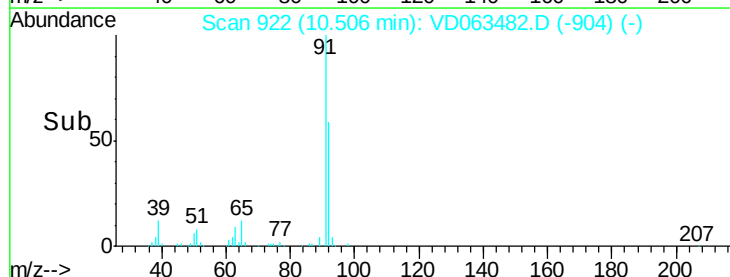
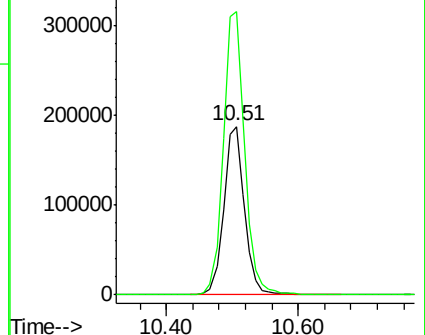
92 100

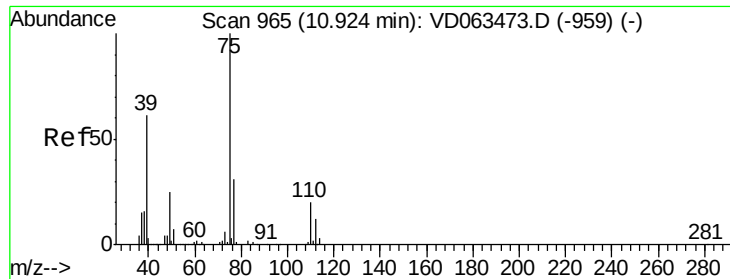
91 168.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

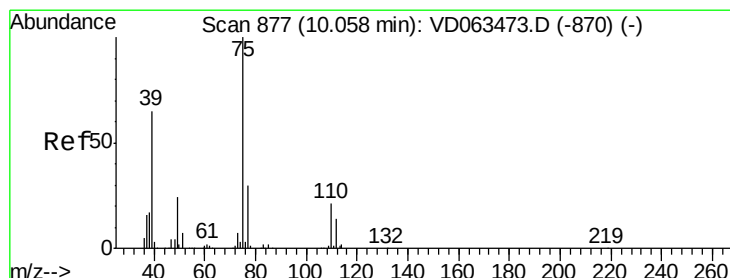
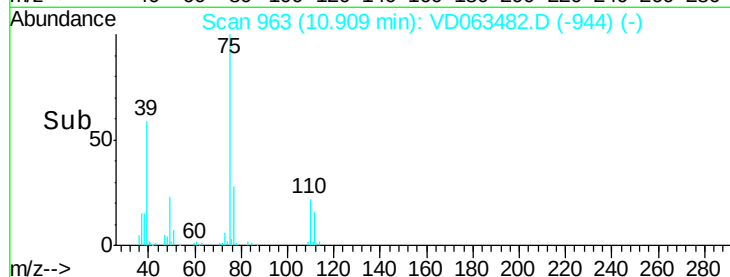
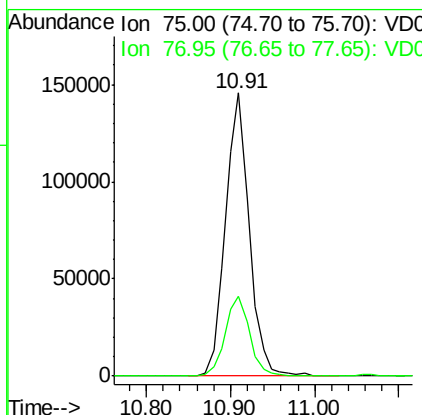
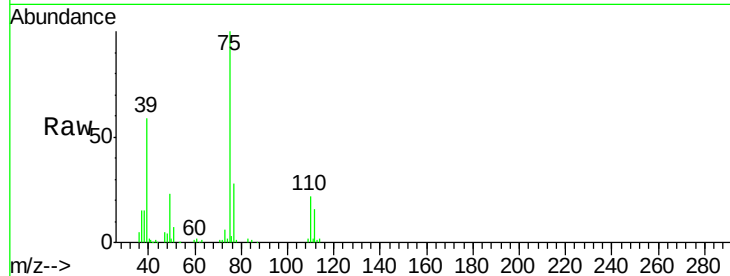




#53
 t-1,3-Dichloropropene
 Concen: 22.602 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

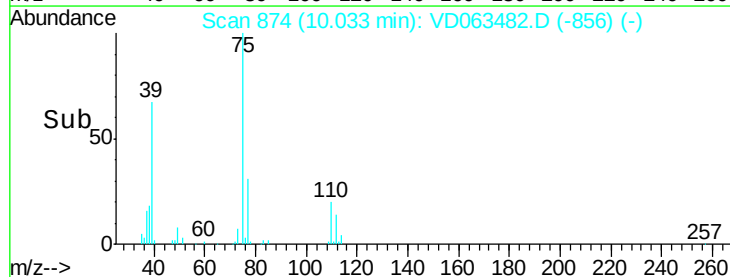
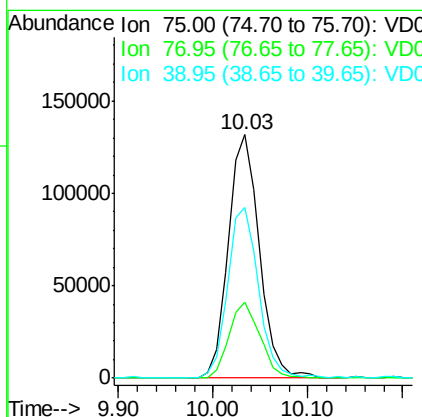
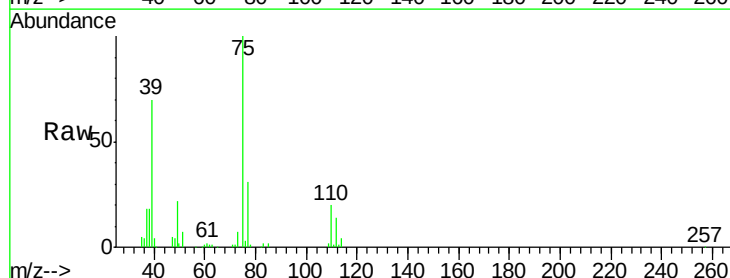
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

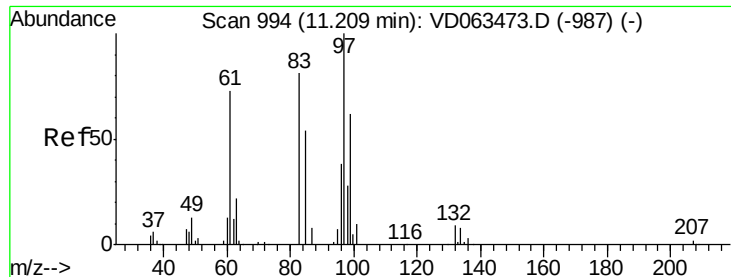
Tot Ion: 75 Resp: 284515
 Ion Ratio Lower Upper
 75 100
 77 28.1 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 21.062 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion: 75 Resp: 298954
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.7 35.5
 39 70.3 52.2 78.4

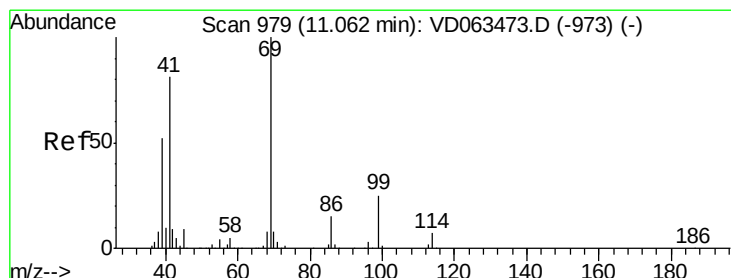
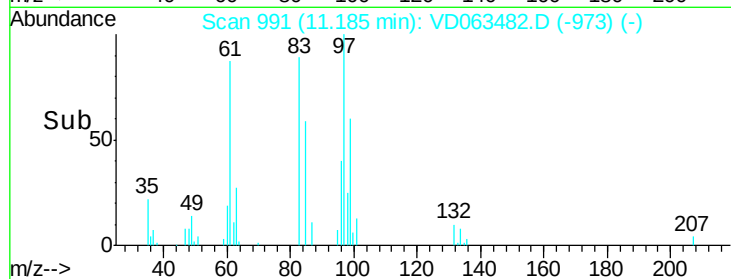
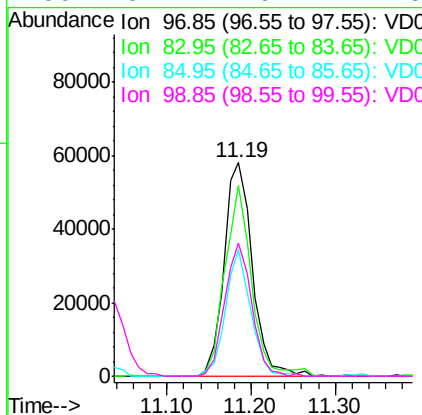
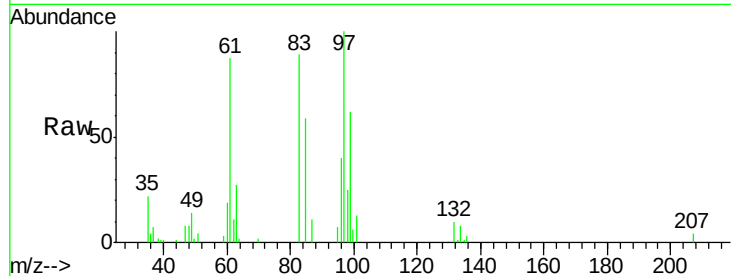




#55
 1,1,2-Trichloroethane
 Concen: 20.558 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

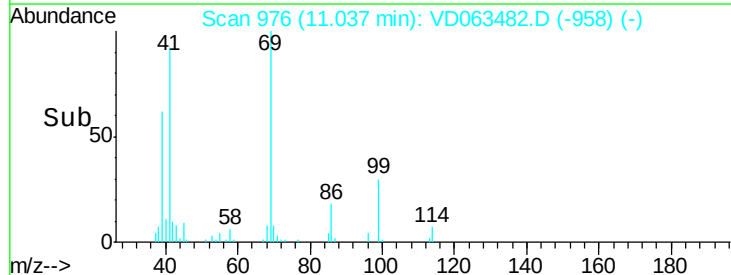
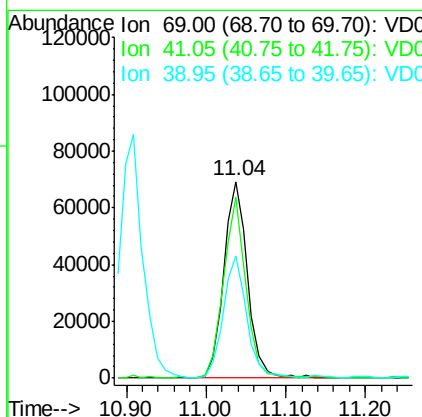
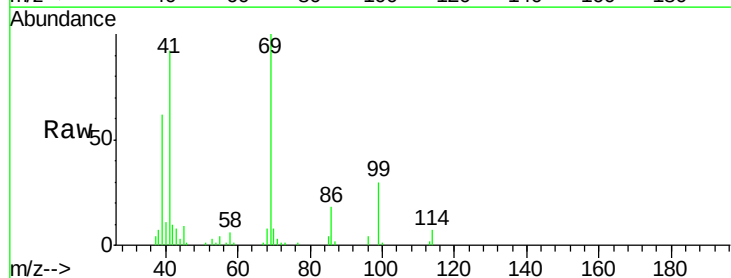
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

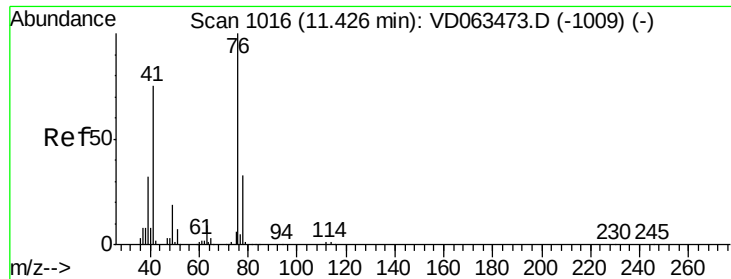
Tot Ion:	97	Resp:	135247
Ion	Ratio	Lower	Upper
97	100		
83	89.2	64.7	97.1
85	59.3	42.9	64.3
99	62.4	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 20.276 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion:	69	Resp:	144784
Ion	Ratio	Lower	Upper
69	100		
41	91.8	64.8	97.2
39	62.1	42.4	63.6





#57

1,3-Dichloropropane

Concen: 21.856 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

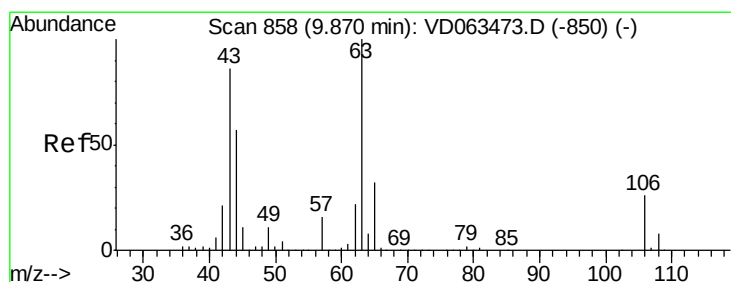
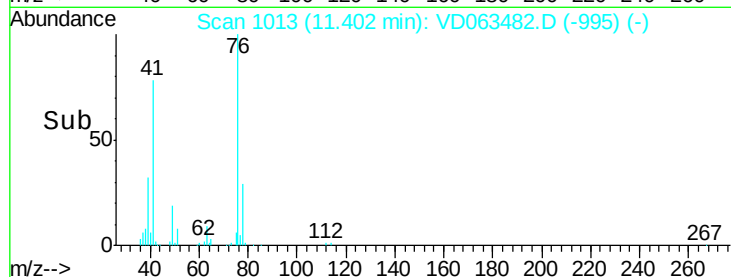
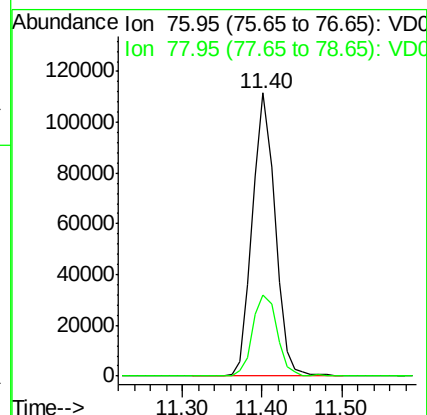
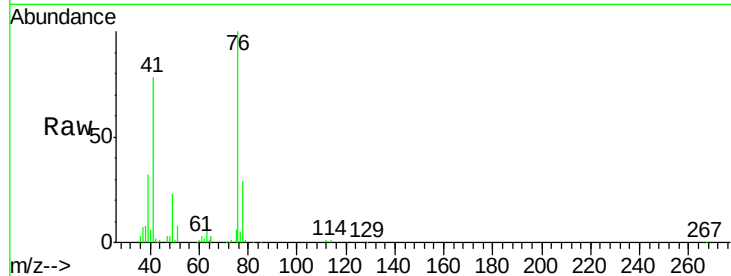
VD0812SBSD01

Tot Ion: 76 Resp: 217341

Ion Ratio Lower Upper

76 100

78 28.6 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 105.673 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.02 min

Lab File: VD063482.D

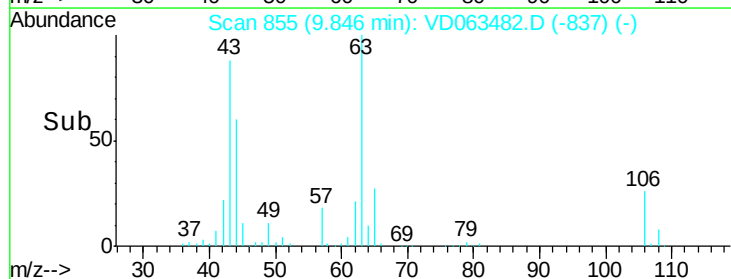
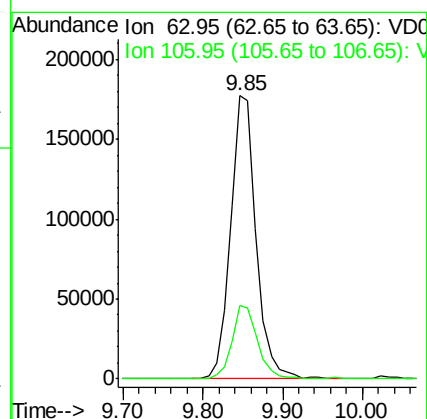
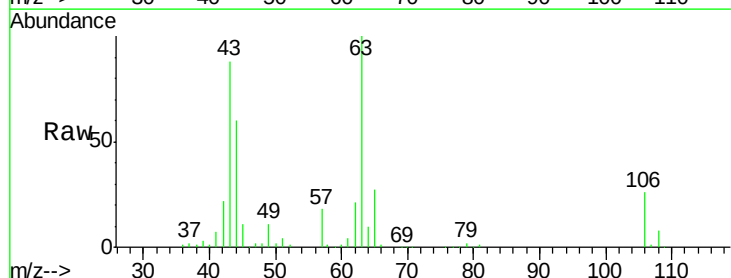
Acq: 12 Aug 2019 12:49

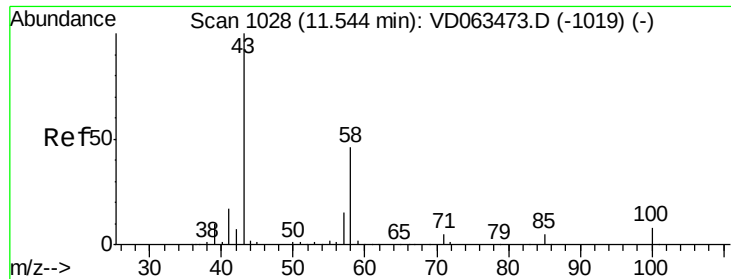
Tgt Ion: 63 Resp: 398365

Ion Ratio Lower Upper

63 100

106 25.9 20.8 31.2

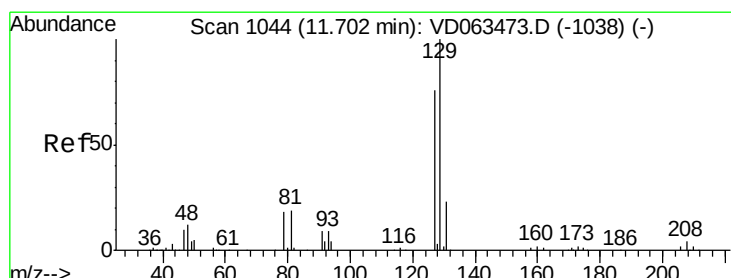
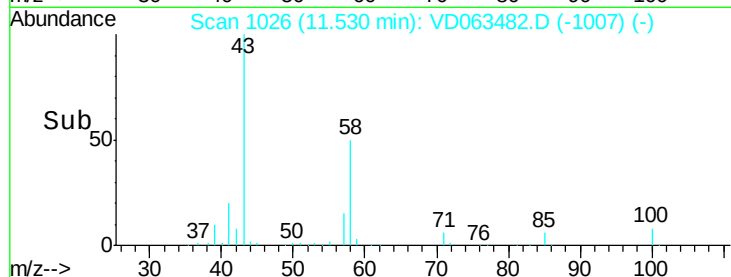
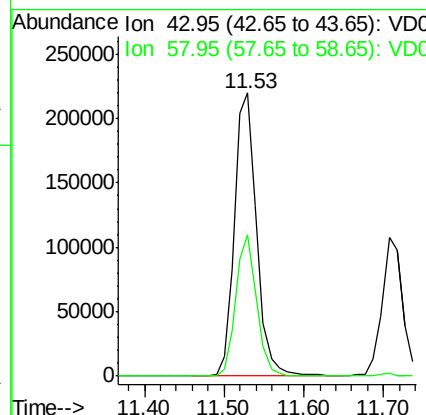
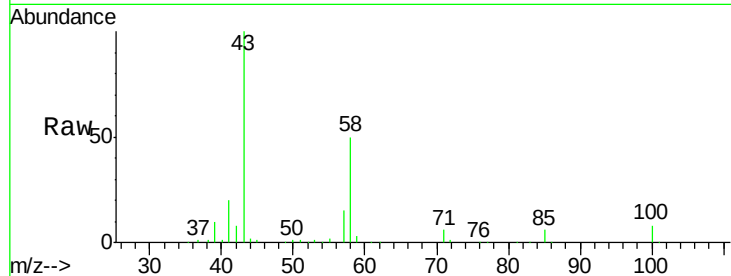




#59
2-Hexanone
Concen: 112.309 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

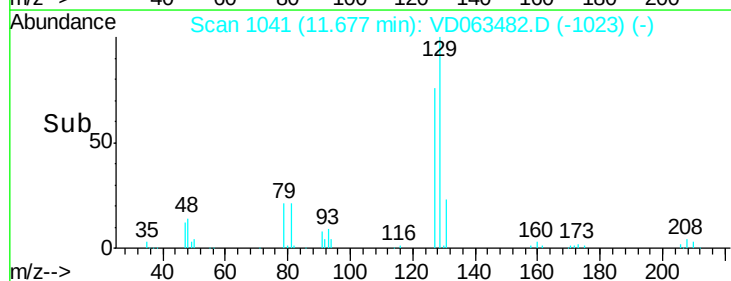
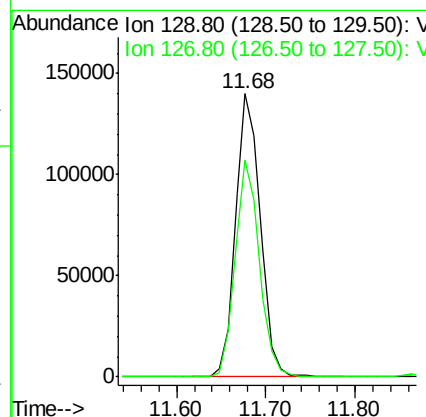
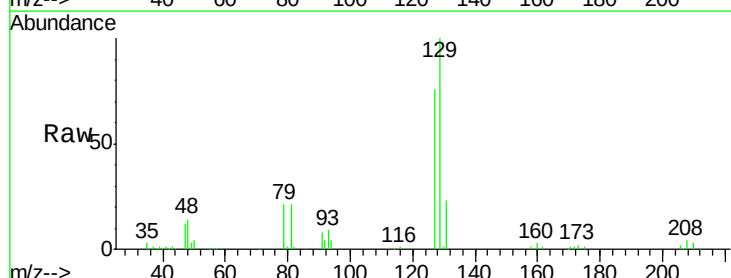
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

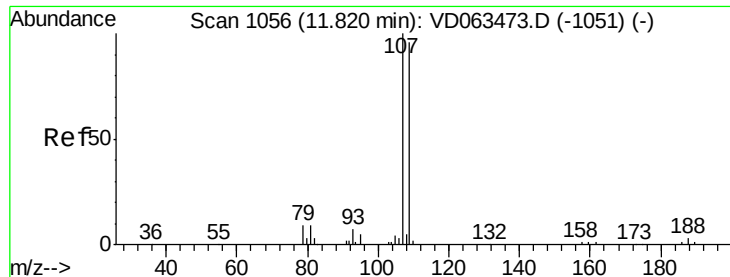
Tot Ion: 43 Resp: 431198
Ion Ratio Lower Upper
43 100
58 50.1 23.1 69.2



#60
Dibromochloromethane
Concen: 22.834 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 129 Resp: 273353
Ion Ratio Lower Upper
129 100
127 76.5 37.8 113.4

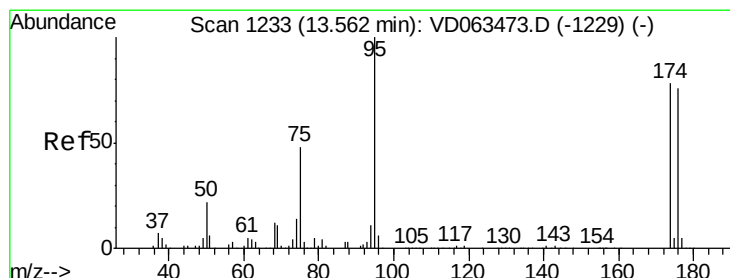
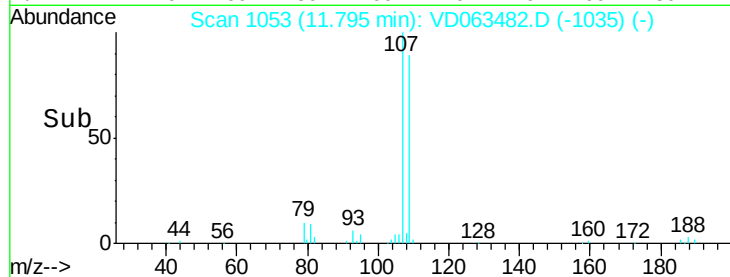
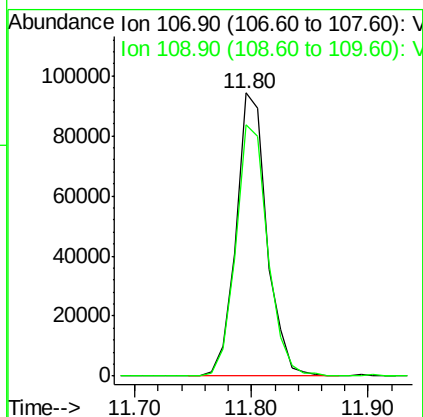
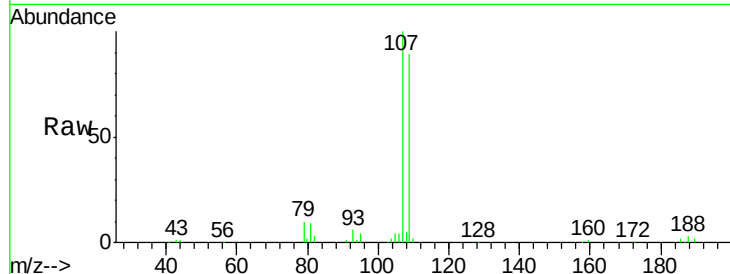




#61
 1,2-Dibromoethane
 Concen: 21.650 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

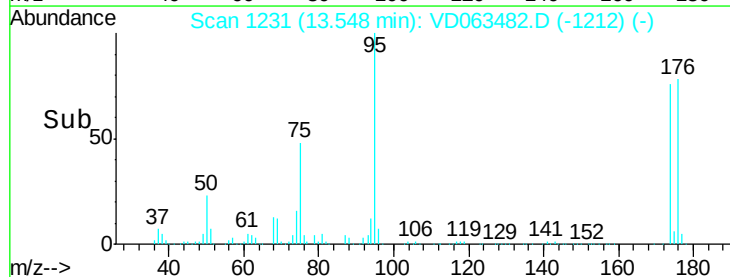
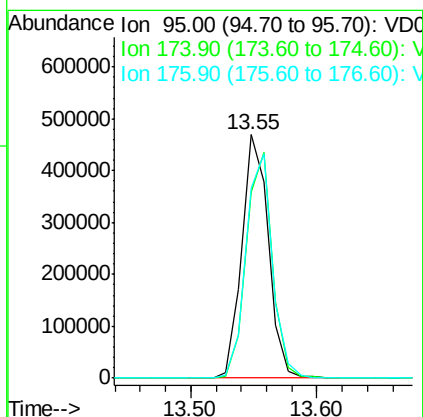
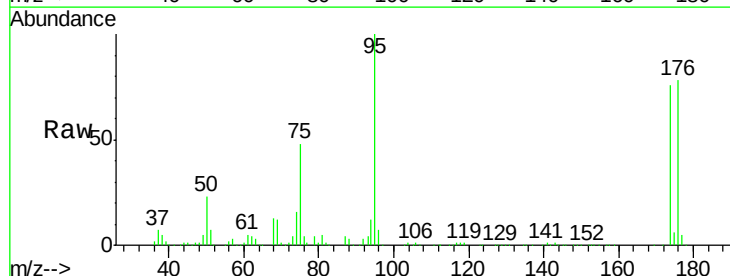
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

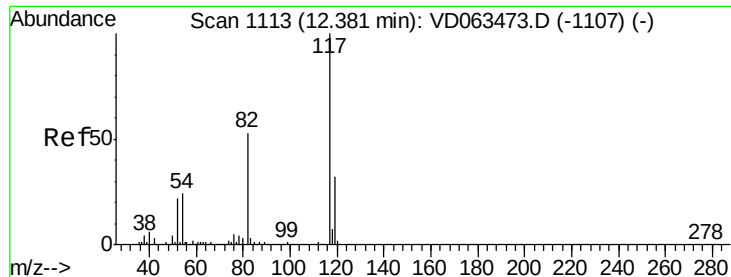
Tot Ion:107 Resp: 172426
 Ion Ratio Lower Upper
 107 100
 109 89.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 52.196 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion: 95 Resp: 680859
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 155.4
 176 77.9 0.0 152.4

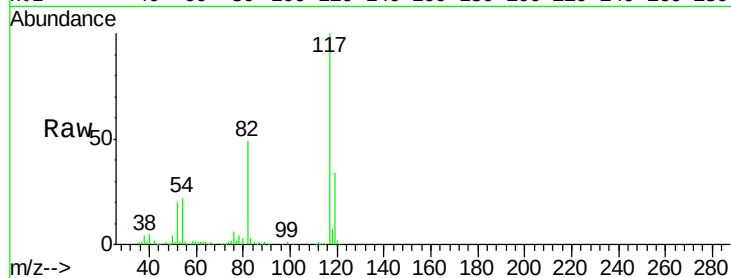




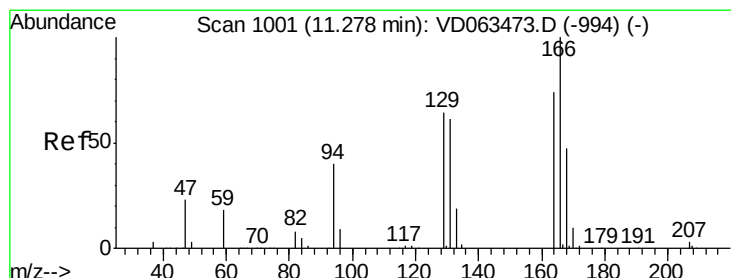
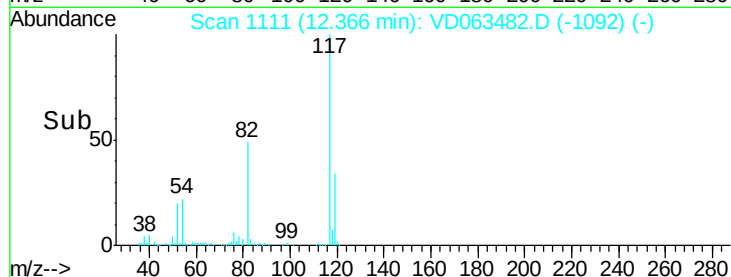
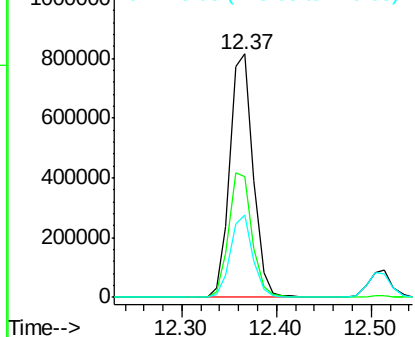
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

Tot Ion:117 Resp: 1398835
Ion Ratio Lower Upper
117 100
82 49.4 42.0 63.0
119 34.1 25.4 38.0

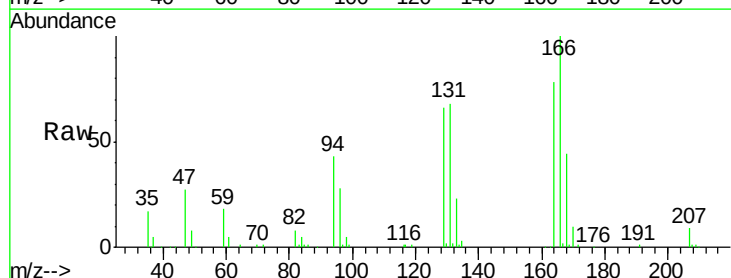


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

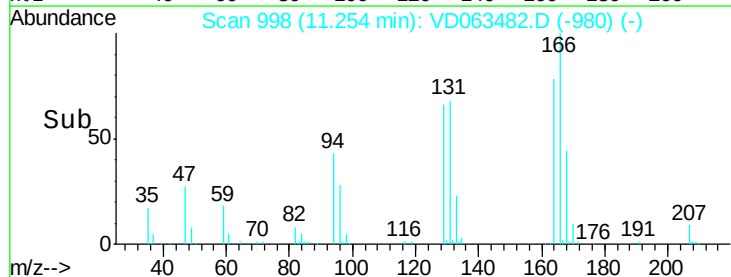
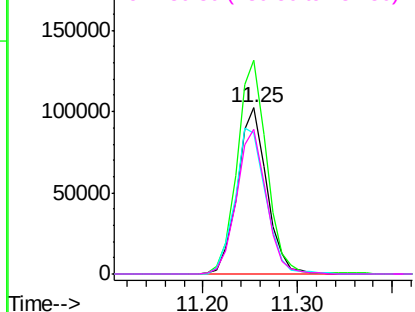


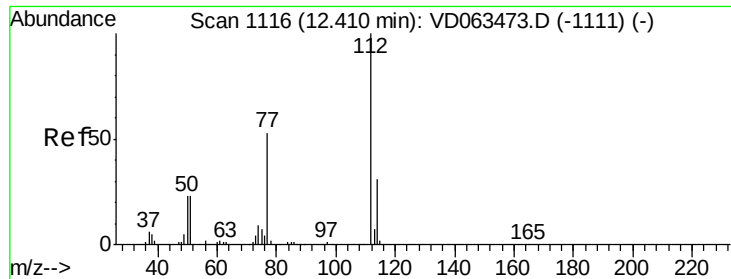
#64
Tetrachloroethene
Concen: 20.189 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion:164 Resp: 218013
Ion Ratio Lower Upper
164 100
166 128.8 108.6 163.0
129 84.8 69.0 103.6
131 87.0 66.6 99.8



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

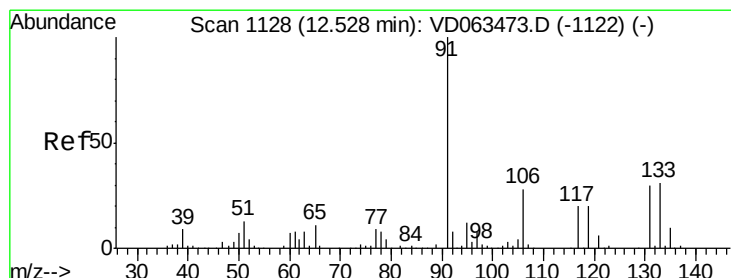
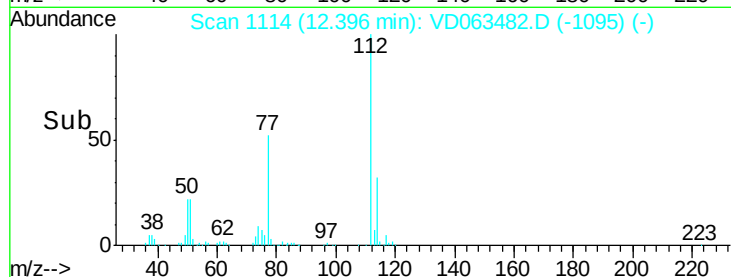
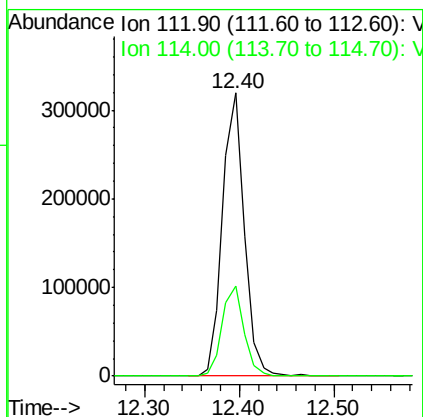
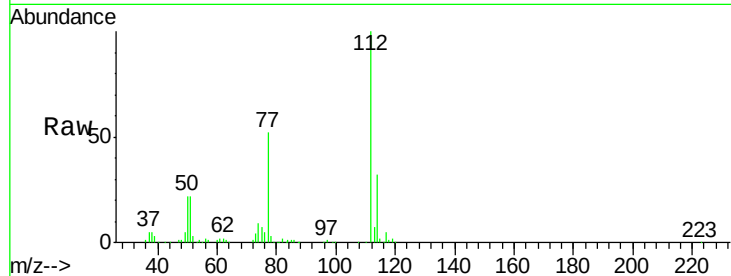




#65
Chlorobenzene
Concen: 19.448 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

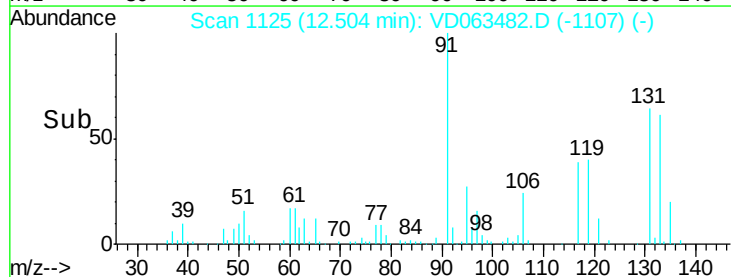
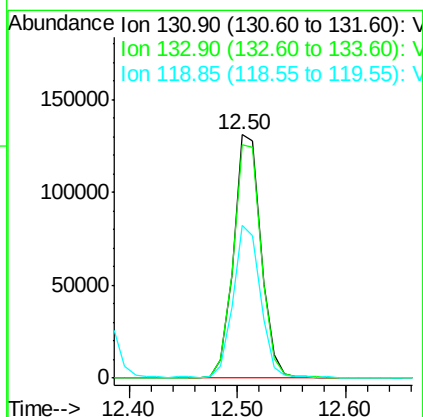
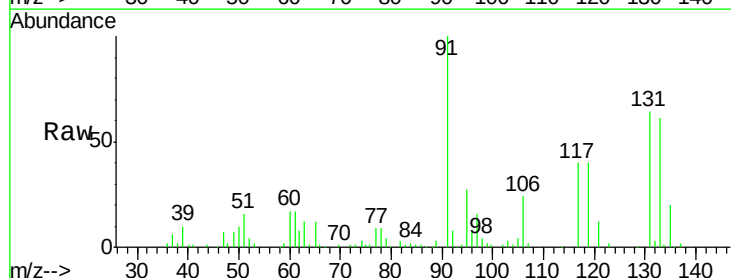
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

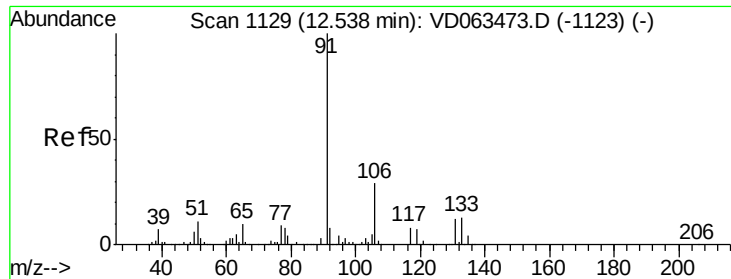
Tot Ion:112 Resp: 509866
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.139 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion:131 Resp: 232371
Ion Ratio Lower Upper
131 100
133 95.6 51.1 153.3
119 62.8 33.1 99.3

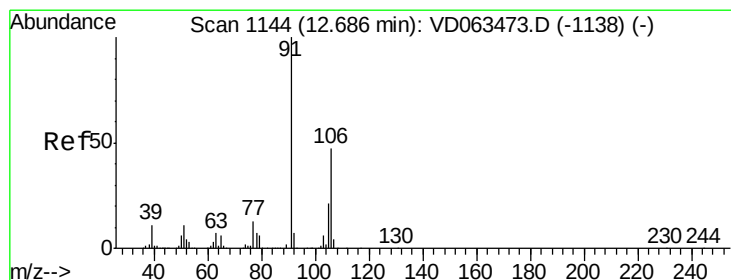
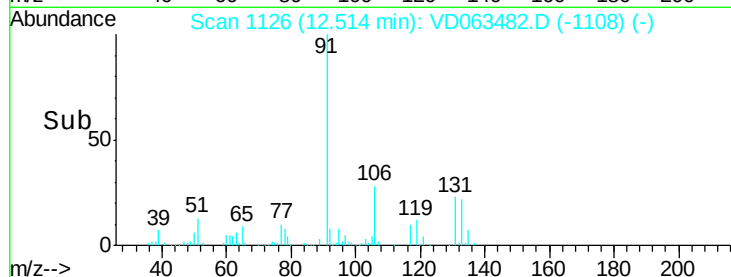
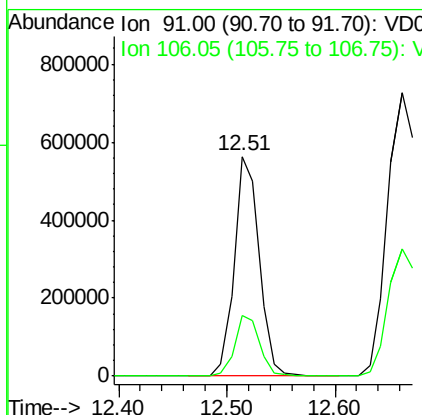
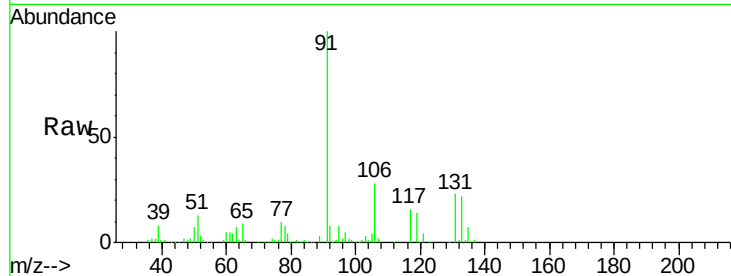




#67
Ethyl Benzene
Concen: 19.825 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

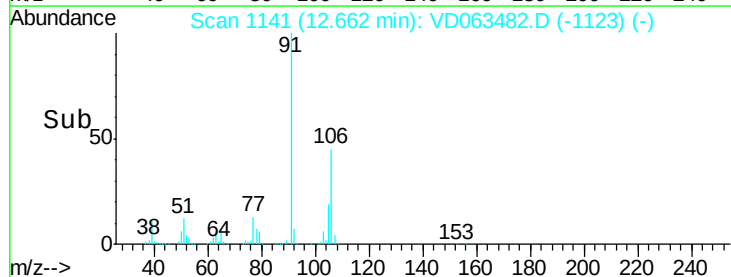
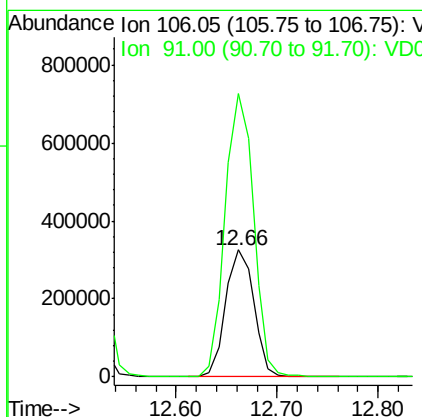
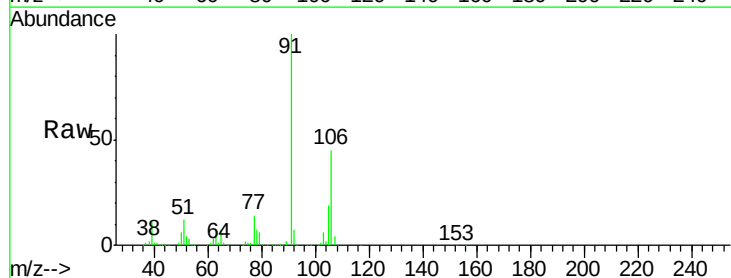
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

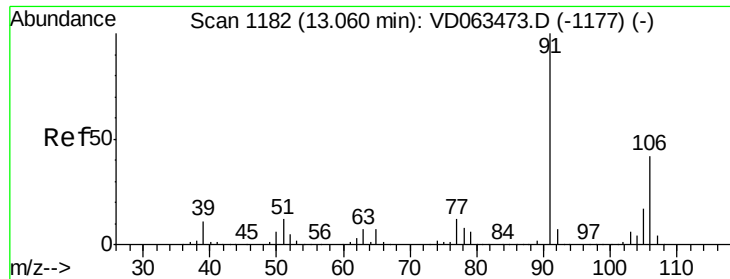
Tot Ion: 91 Resp: 903741
Ion Ratio Lower Upper
91 100
106 27.5 23.1 34.7



#68
m/p-Xylenes
Concen: 39.639 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 106 Resp: 634841
Ion Ratio Lower Upper
106 100
91 223.0 171.8 257.8

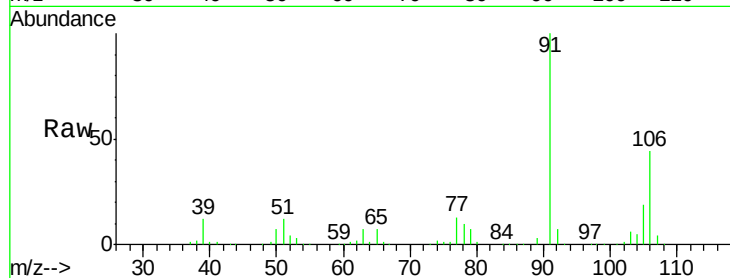




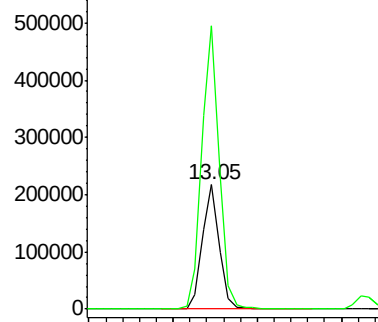
#69
o-Xylene
Concen: 19.528 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

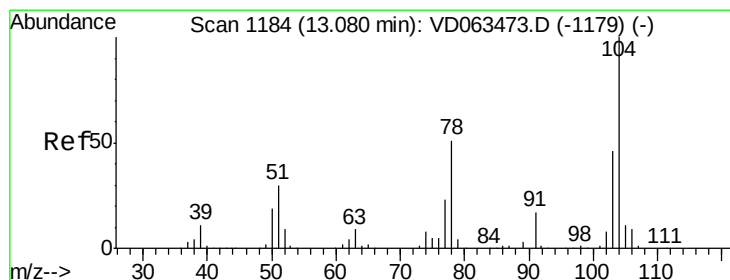
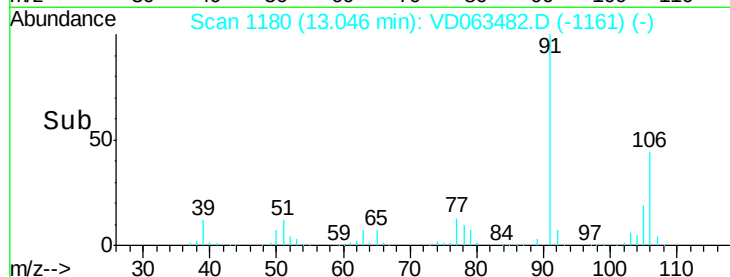
Tot Ion:106 Resp: 301023
Ion Ratio Lower Upper
106 100
91 227.7 118.1 354.2



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

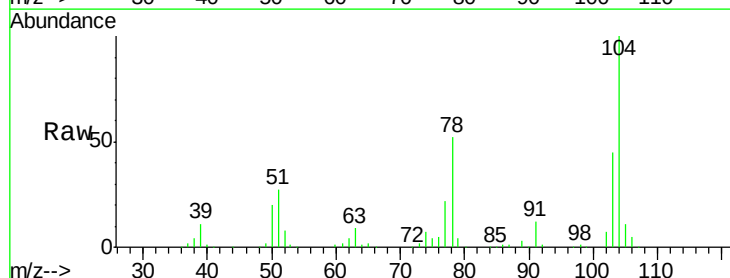


Time--> 12.90 13.00 13.10 13.20

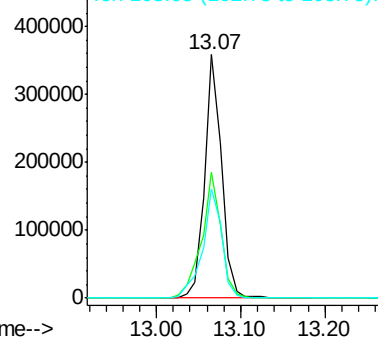


#70
Styrene
Concen: 18.210 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

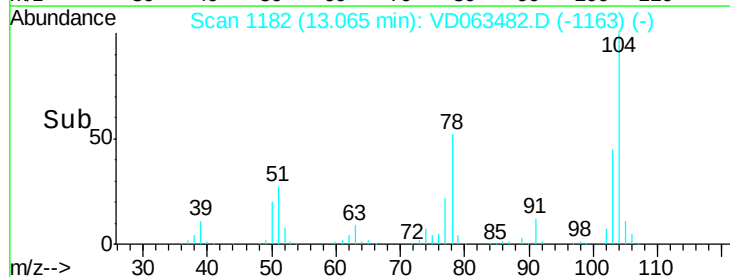
Tgt Ion:104 Resp: 499297
Ion Ratio Lower Upper
104 100
78 51.8 40.8 61.2
103 45.0 36.4 54.6

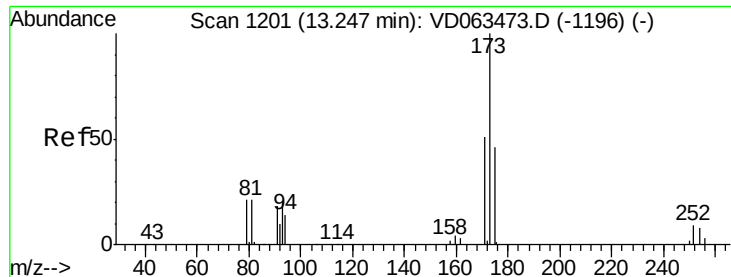


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time--> 13.00 13.10 13.20





#71

Bromoform

Concen: 20.089 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

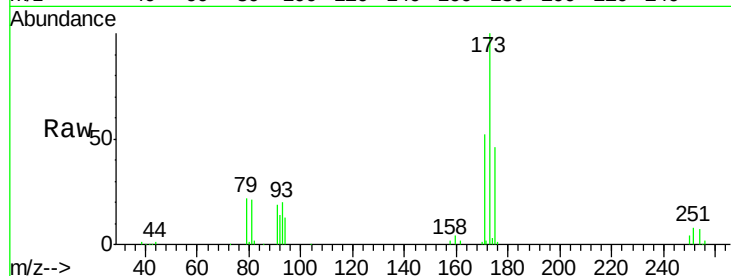
Tot Ion:173 Resp: 158936

Ion Ratio Lower Upper

173 100

175 45.6 22.8 68.3

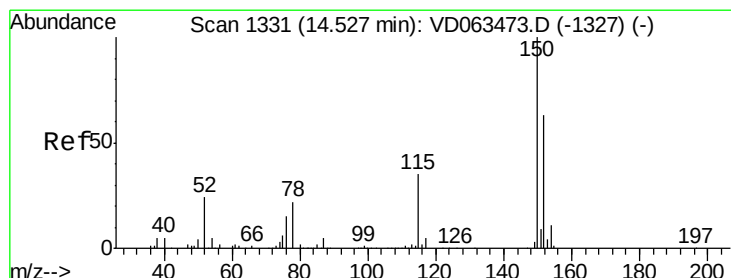
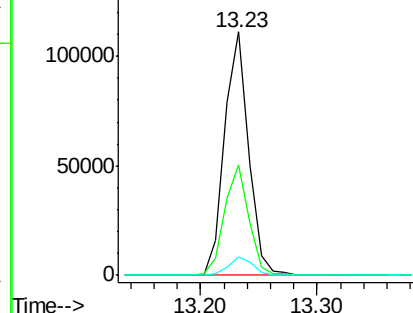
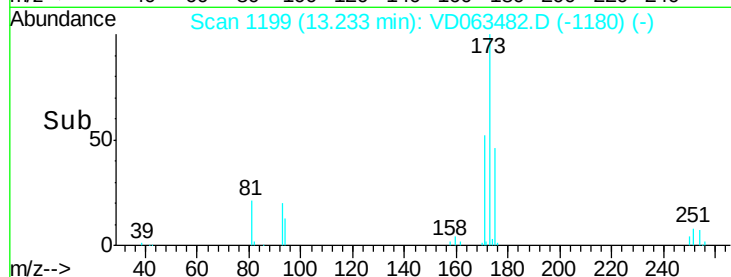
254 7.5 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

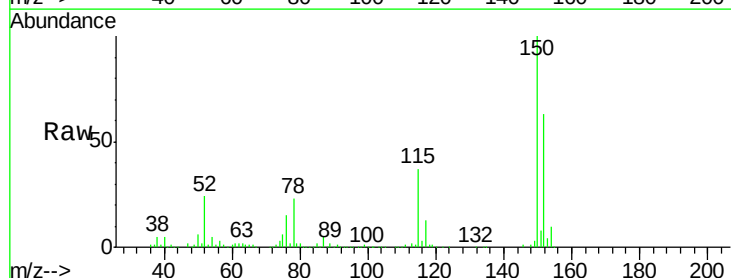
Tgt Ion:152 Resp: 658237

Ion Ratio Lower Upper

152 100

115 59.0 30.9 92.7

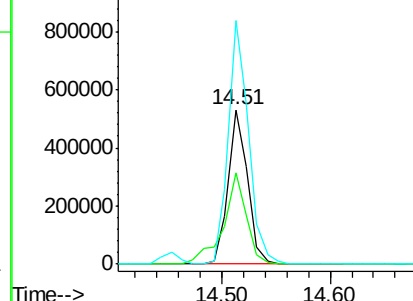
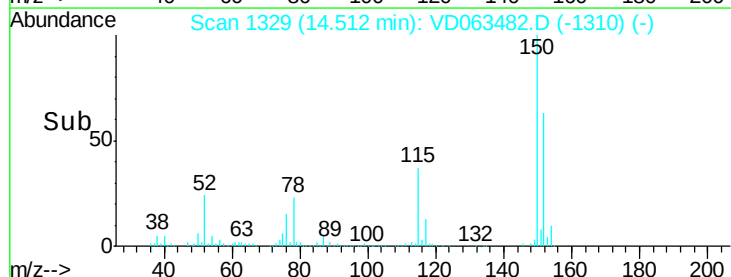
150 157.7 0.0 318.6

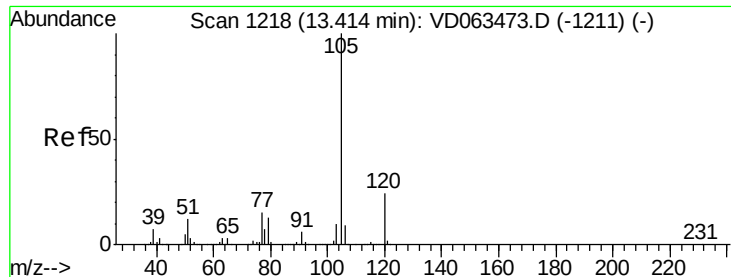


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.113 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

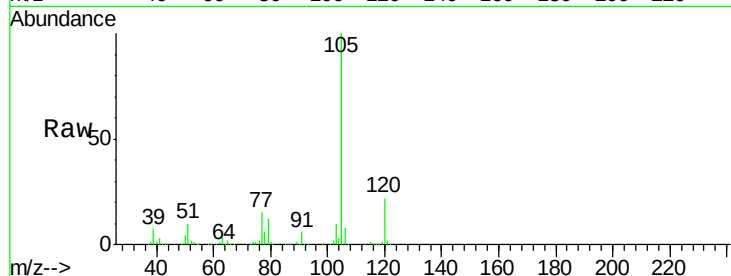
VD0812SBSD01

Tot Ion:105 Resp: 967690

Ion Ratio Lower Upper

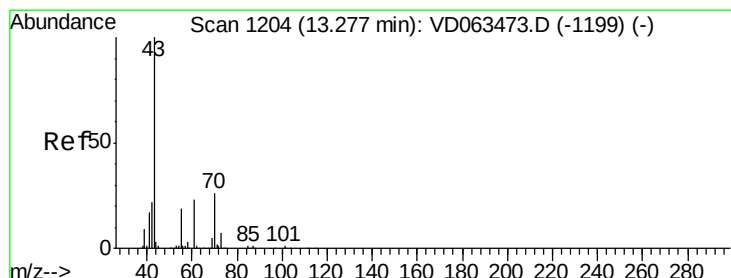
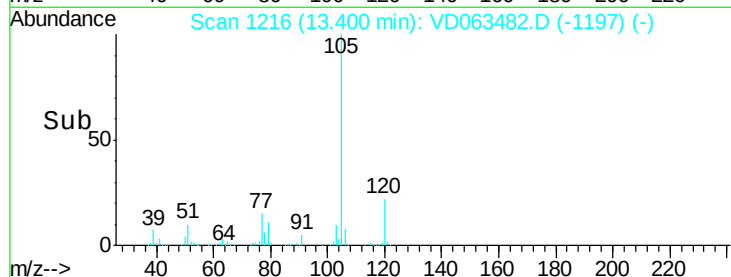
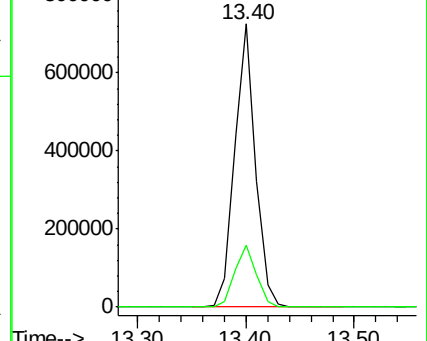
105 100

120 21.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.411 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Tgt Ion: 43 Resp: 225029

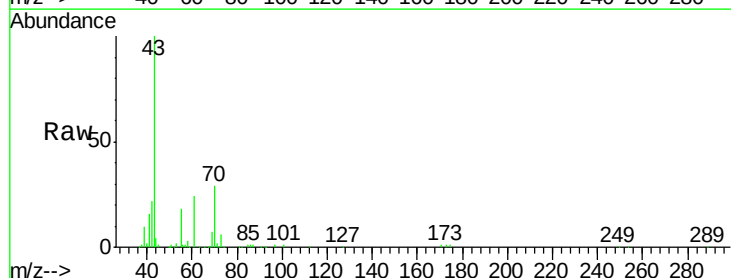
Ion Ratio Lower Upper

43 100

70 29.1 21.1 31.7

55 18.0 15.4 23.0

61 24.3 18.2 27.2

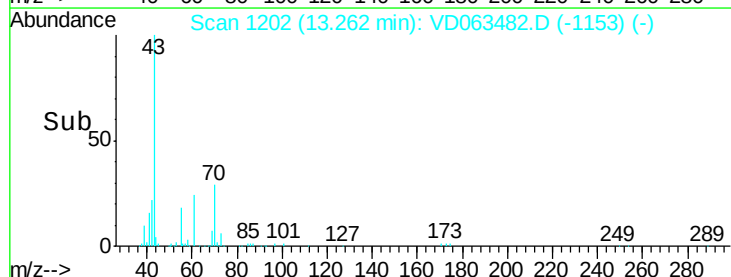
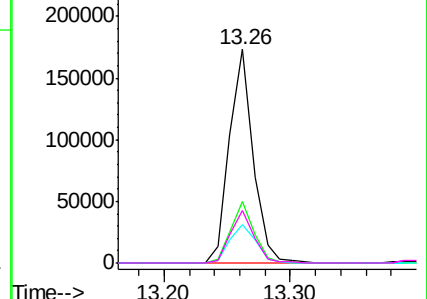


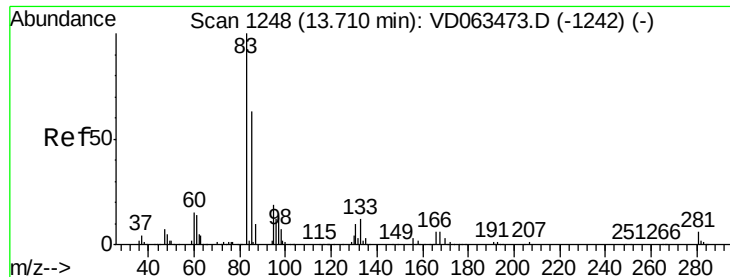
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.027 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

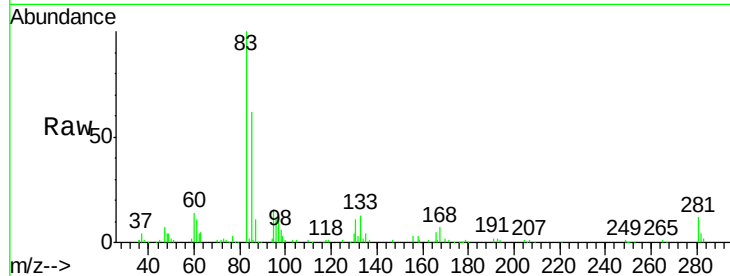
Tot Ion: 83 Resp: 153073

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

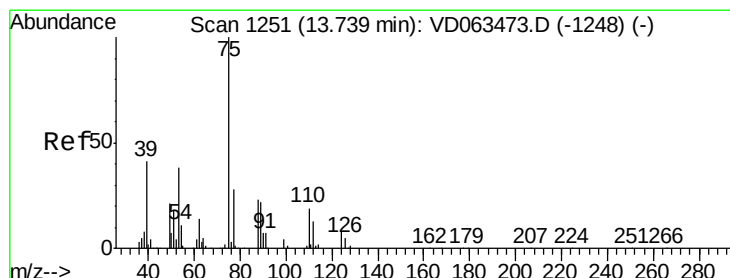
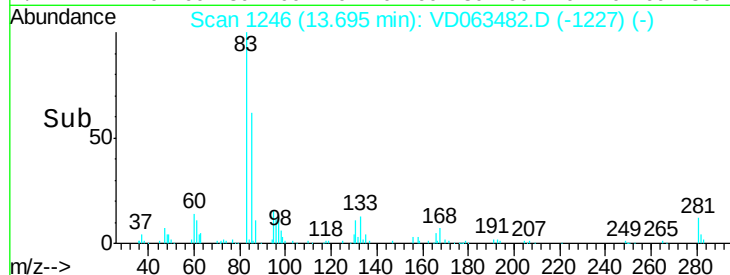
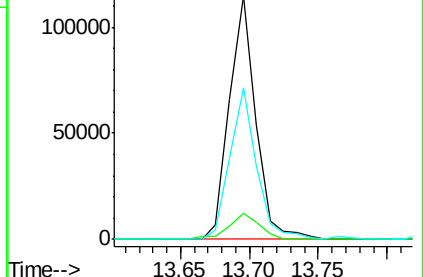
85 62.4 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.142 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063482.D

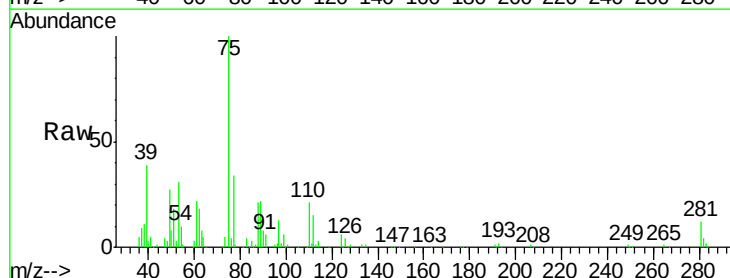
Acq: 12 Aug 2019 12:49

Tgt Ion: 75 Resp: 167268

Ion Ratio Lower Upper

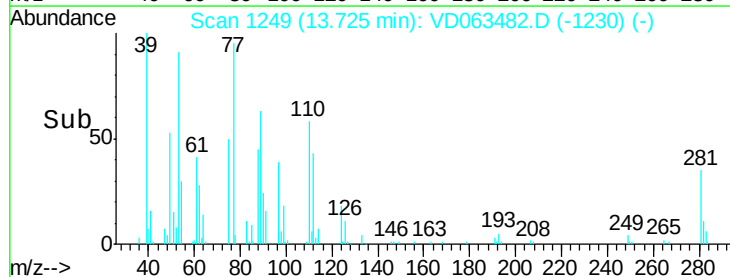
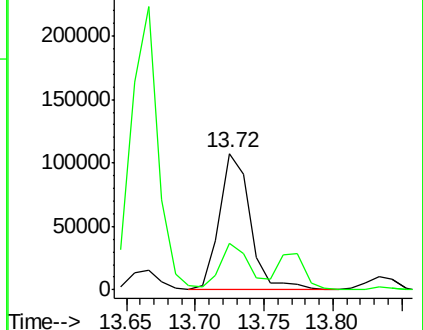
75 100

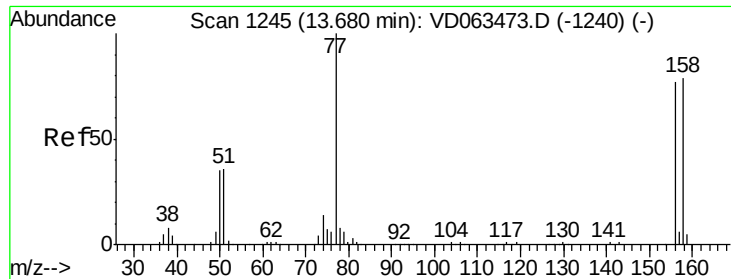
77 33.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.856 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

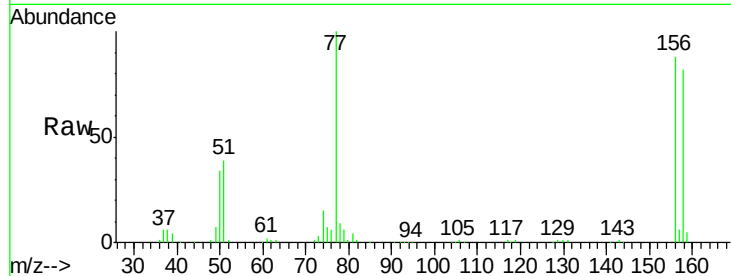
Tot Ion:156 Resp: 250089

Ion Ratio Lower Upper

156 100

77 113.6 64.6 193.8

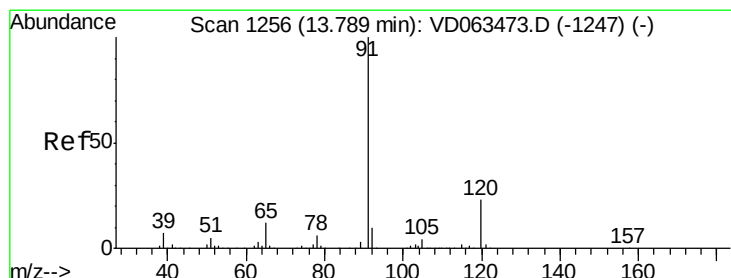
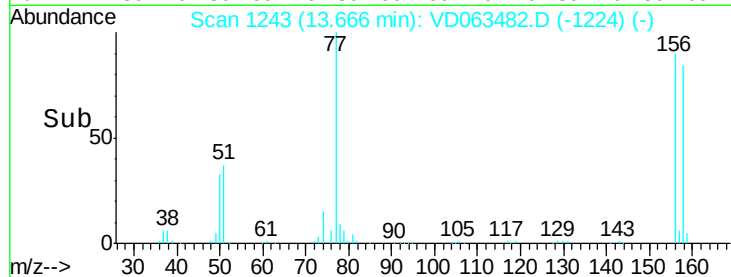
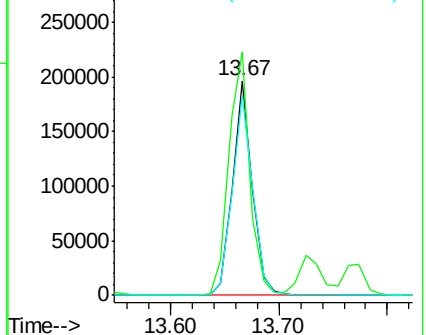
158 93.3 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.711 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063482.D

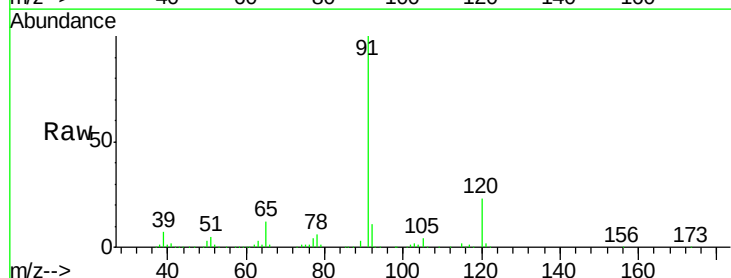
Acq: 12 Aug 2019 12:49

Tgt Ion: 91 Resp: 1014563

Ion Ratio Lower Upper

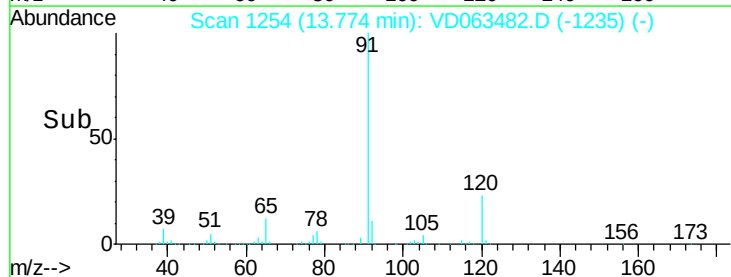
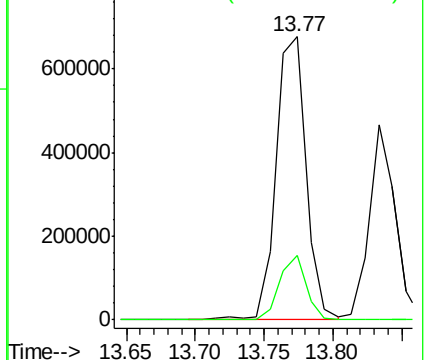
91 100

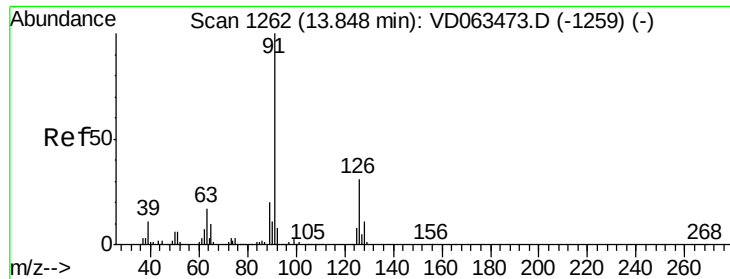
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.578 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

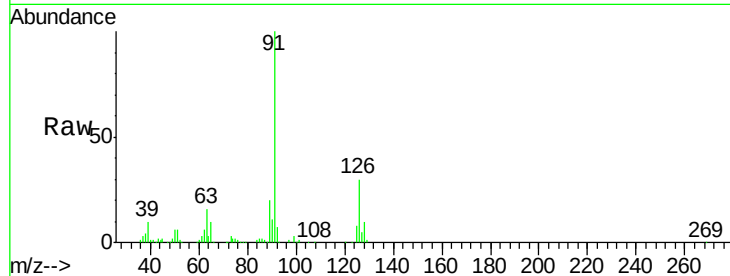
VD0812SBSD01

Tot Ion: 91 Resp: 609463

Ion Ratio Lower Upper

91 100

126 30.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)

800000

600000

400000

200000

0

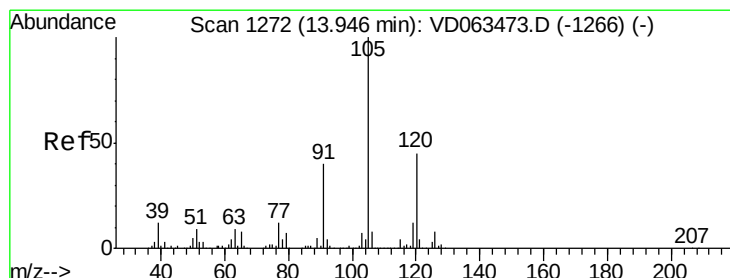
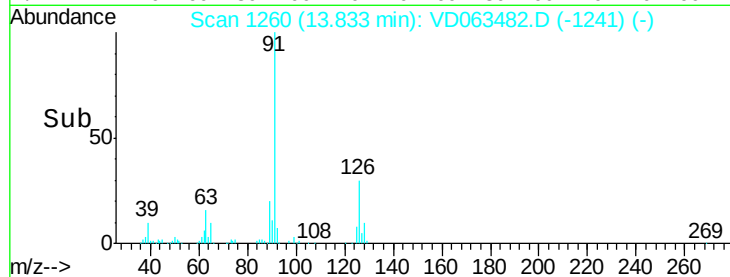
13.80

13.83

13.85

13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.258 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063482.D

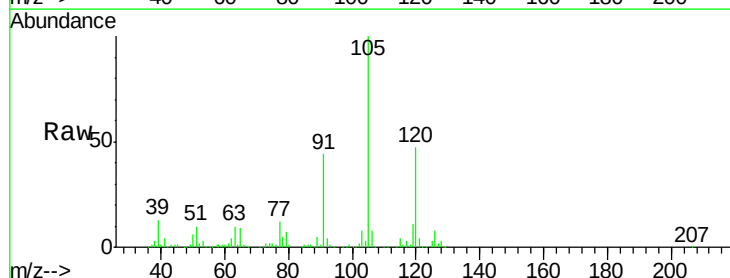
Acq: 12 Aug 2019 12:49

Tgt Ion: 105 Resp: 777636

Ion Ratio Lower Upper

105 100

120 46.9 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

600000

400000

200000

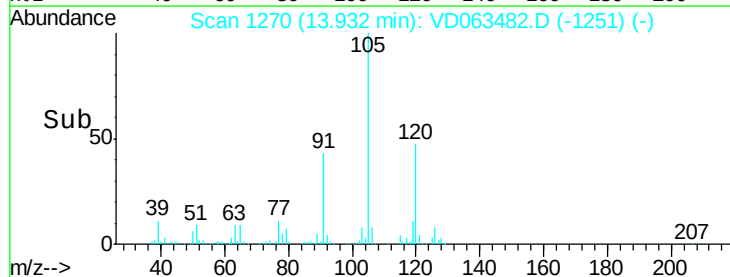
0

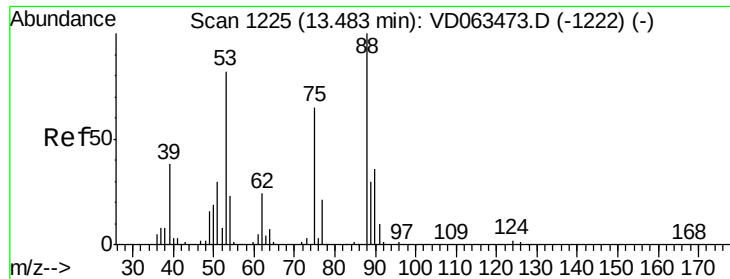
13.80

13.93

14.00

Time-->

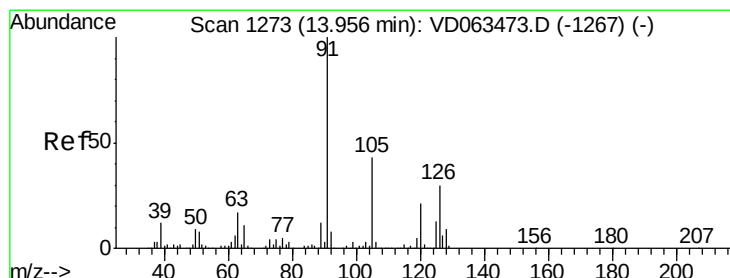
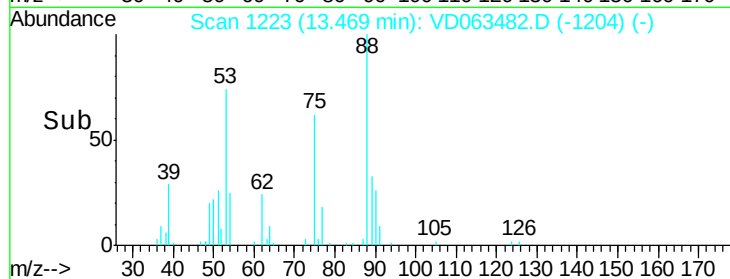
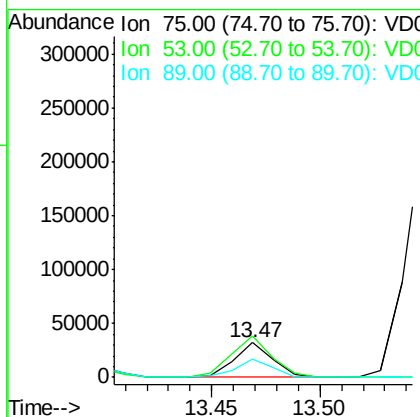
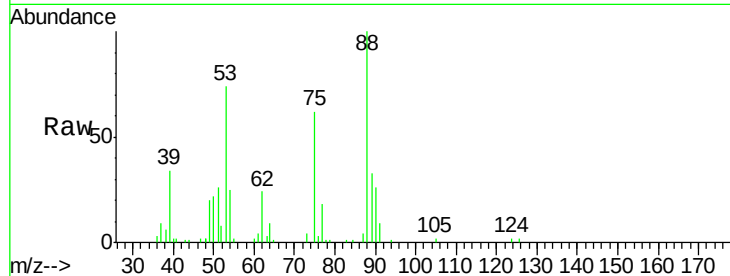




#81
trans-1,4-Dichloro-2-butene
Concen: 19.422 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

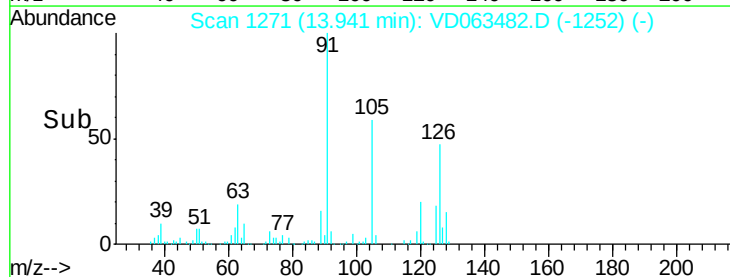
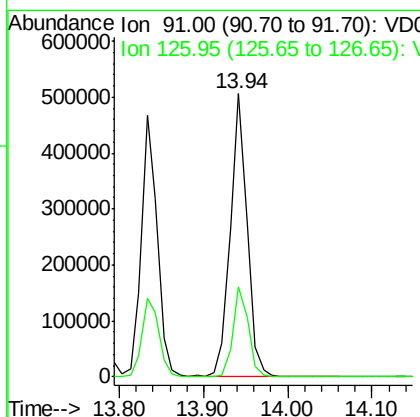
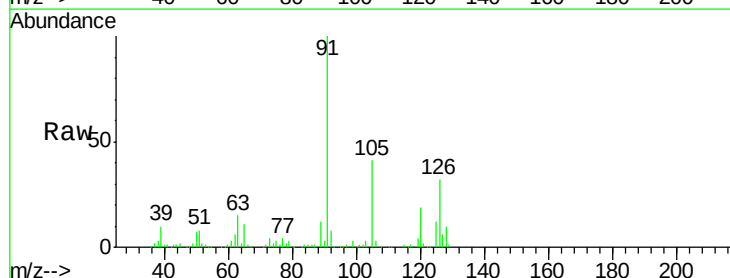
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

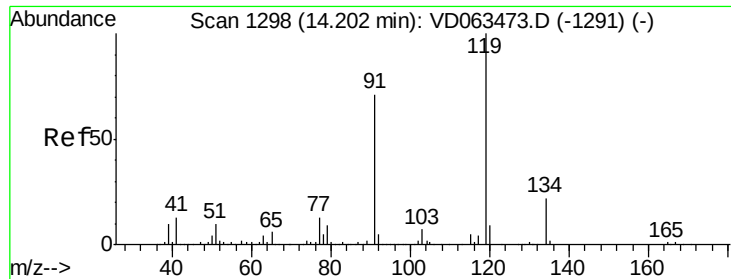
Tot Ion: 75 Resp: 39435
Ion Ratio Lower Upper
75 100
53 120.0 101.0 151.4
89 53.5 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.727 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion: 91 Resp: 703972
Ion Ratio Lower Upper
91 100
126 31.8 15.2 45.6

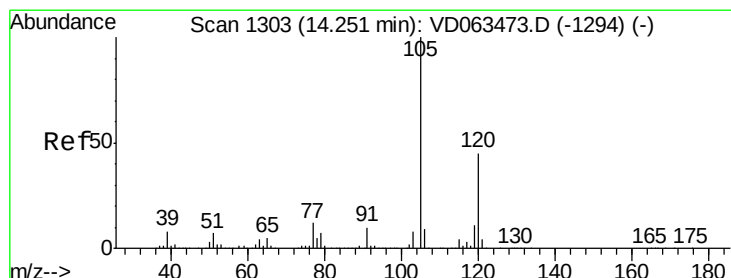
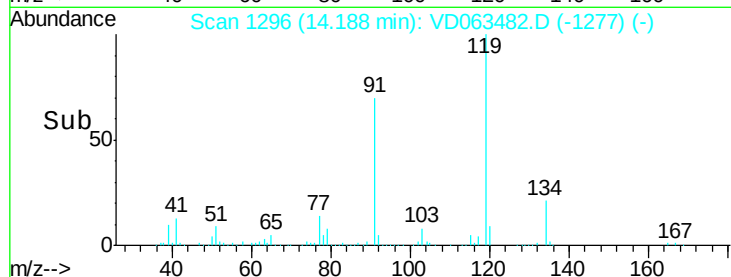
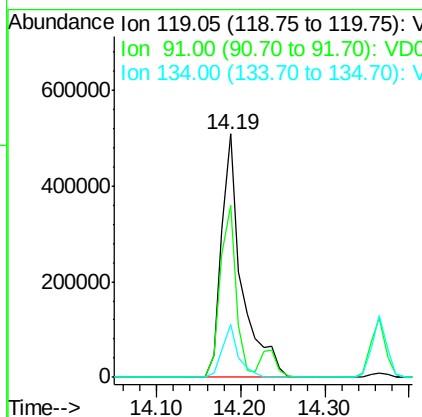
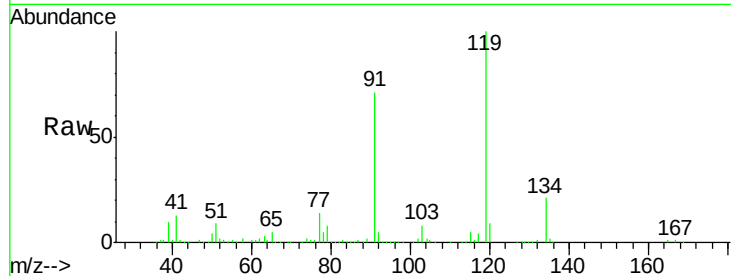




#83
 tert-Butylbenzene
 Concen: 22.168 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

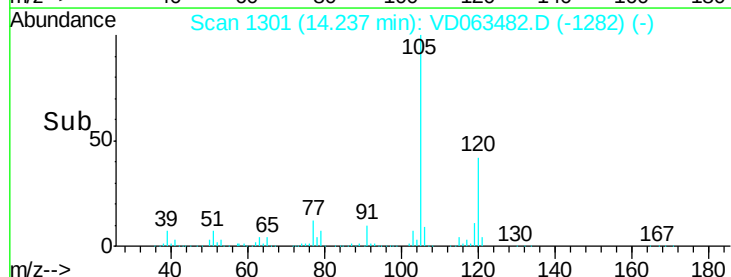
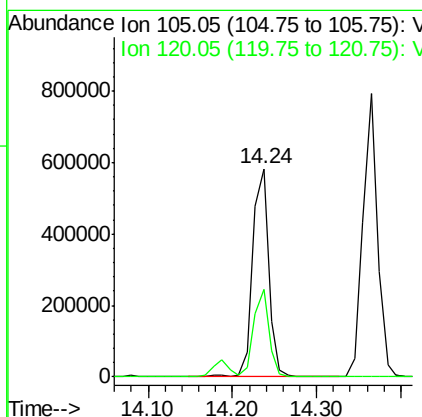
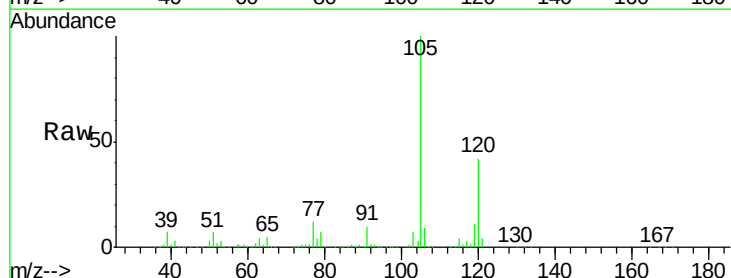
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

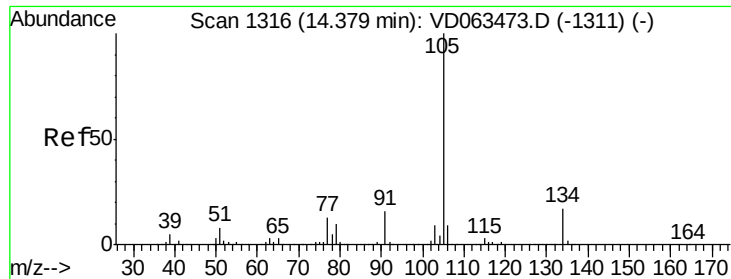
Tot Ion:119 Resp: 853947
 Ion Ratio Lower Upper
 119 100
 91 70.7 35.5 106.7
 134 21.5 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.220 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion:105 Resp: 785947
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.7 68.1

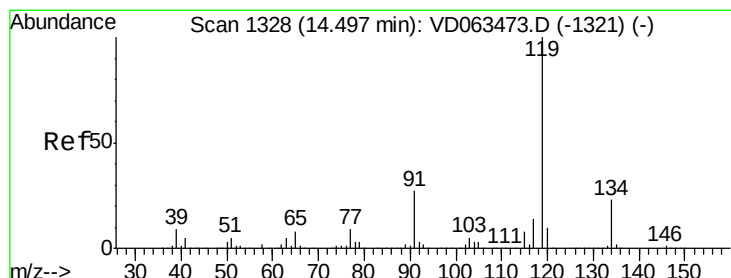
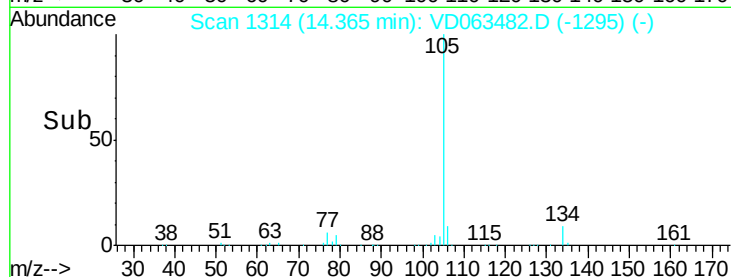
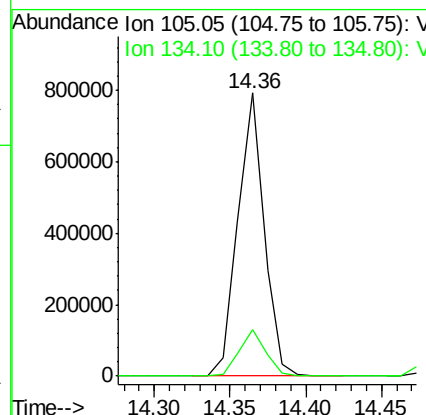
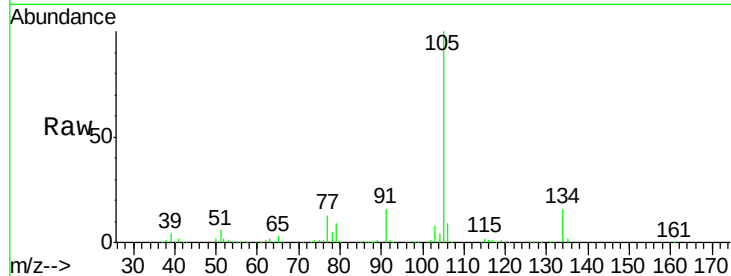




#85
 sec-Butylbenzene
 Concen: 23.294 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

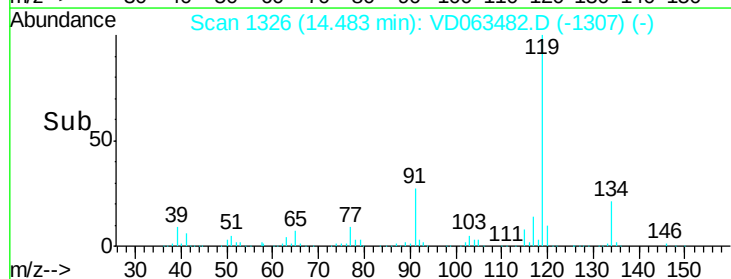
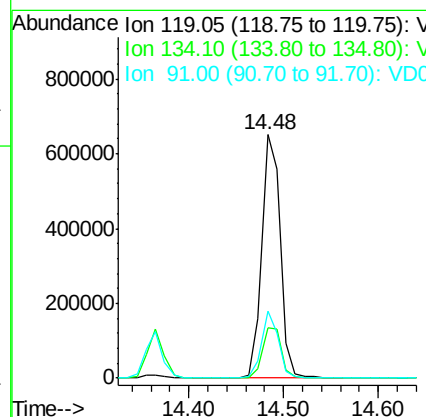
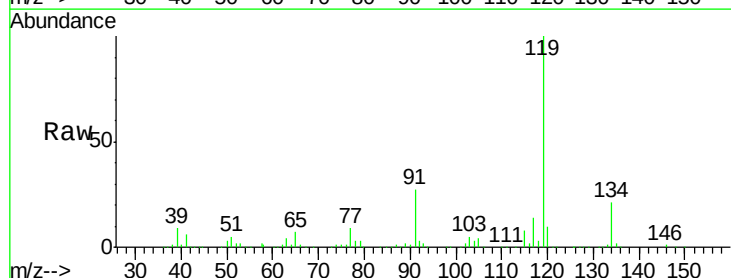
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

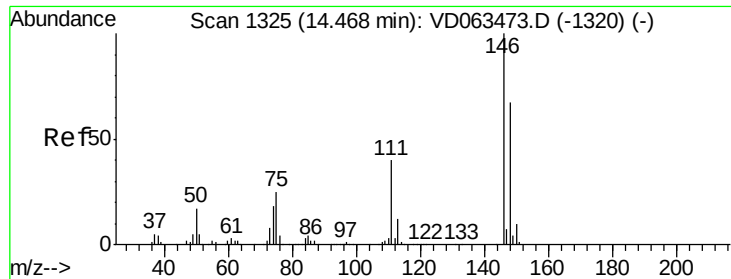
Tot Ion:105 Resp: 952950
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 22.577 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion:119 Resp: 883090
 Ion Ratio Lower Upper
 119 100
 134 20.8 11.3 33.8
 91 27.3 13.5 40.4

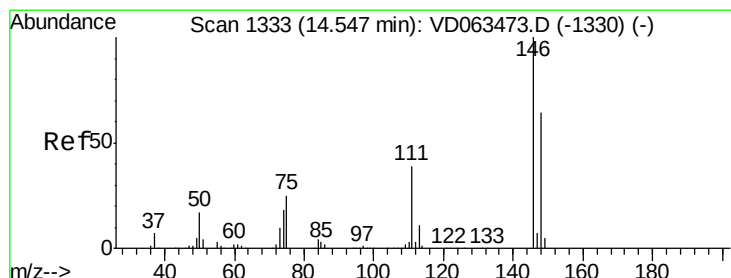
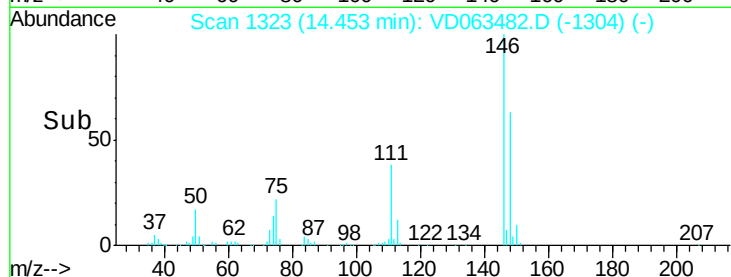
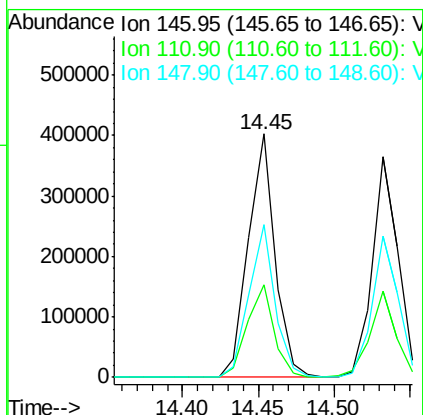
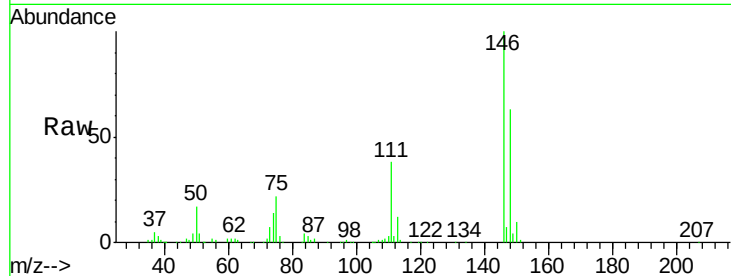




#87
 1,3-Dichlorobenzene
 Concen: 23.930 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

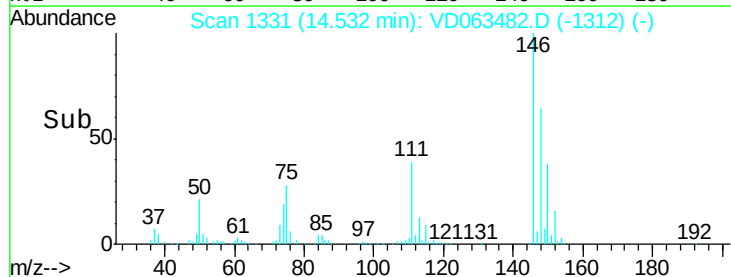
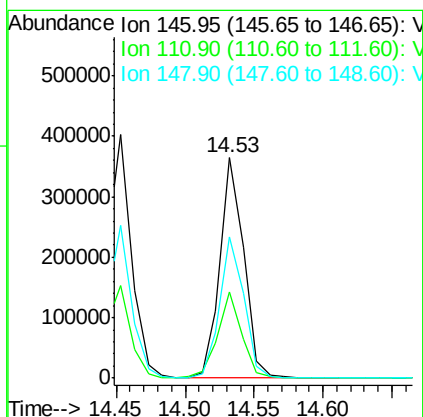
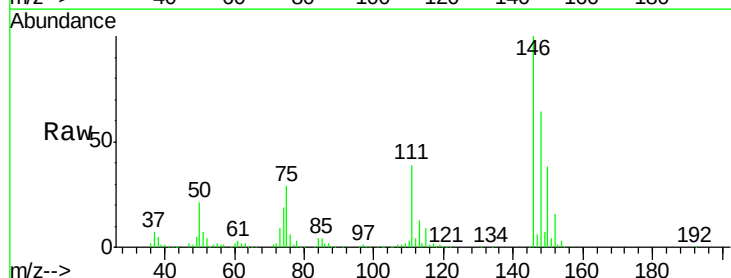
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

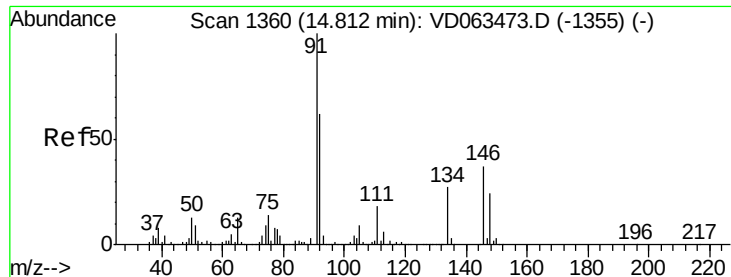
Tot Ion:146 Resp: 495282
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.0 60.0
 148 62.6 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.901 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion:146 Resp: 434897
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.0
 148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 22.879 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063482.D

Acq: 12 Aug 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBSD01

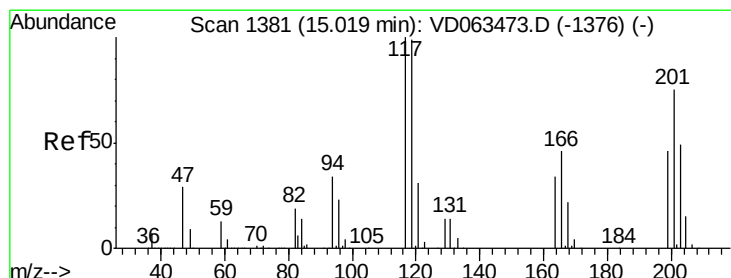
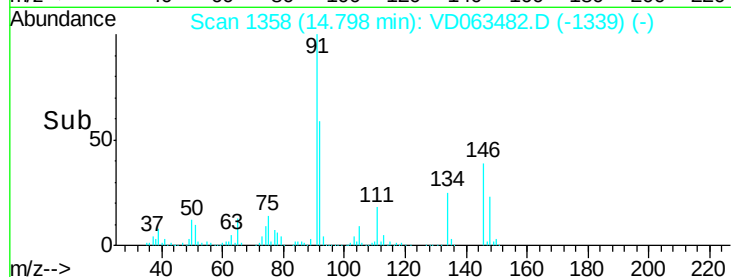
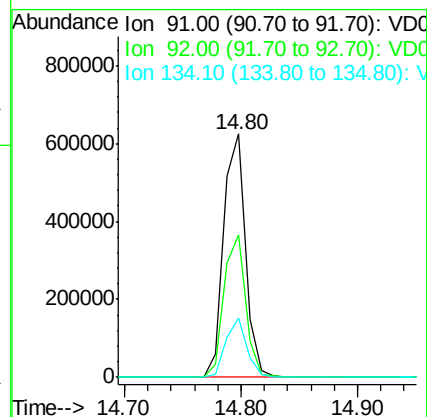
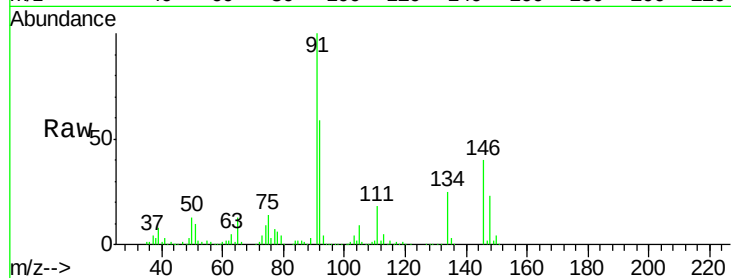
Tot Ion: 91 Resp: 816784

Ion Ratio Lower Upper

91 100

92 58.6 30.8 92.3

134 24.6 13.4 40.2



#90

Hexachloroethane

Concen: 24.068 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063482.D

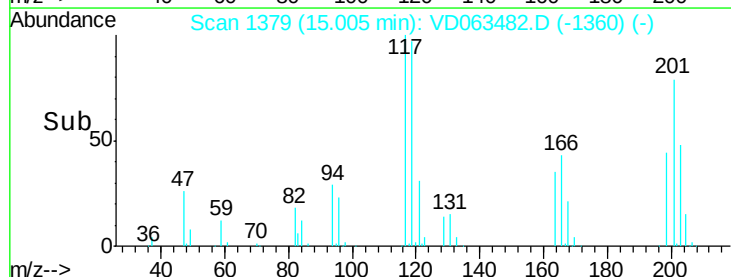
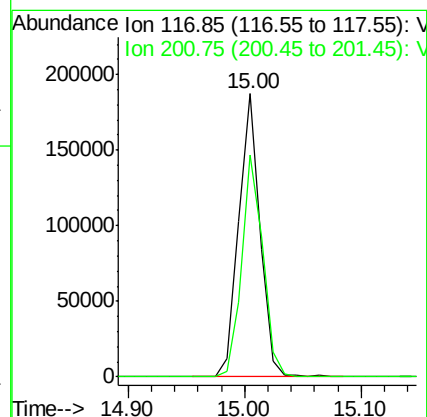
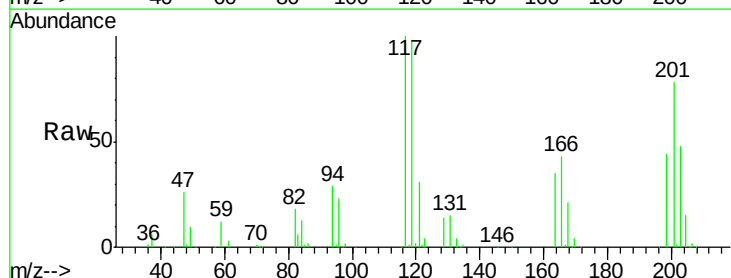
Acq: 12 Aug 2019 12:49

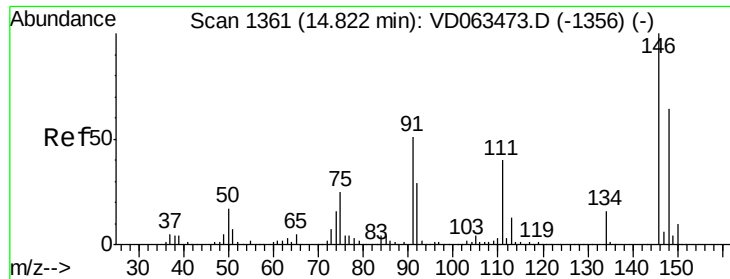
Tgt Ion: 117 Resp: 236626

Ion Ratio Lower Upper

117 100

201 78.4 37.5 112.5

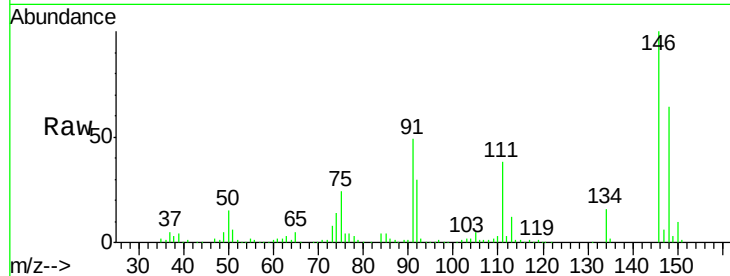




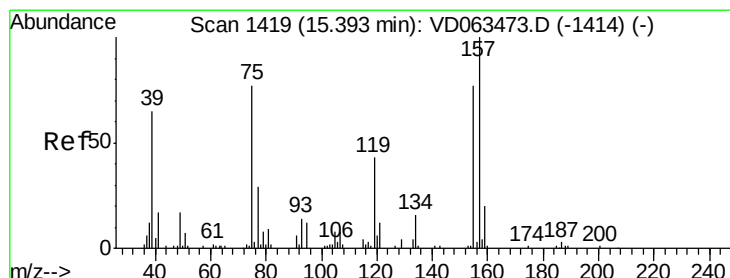
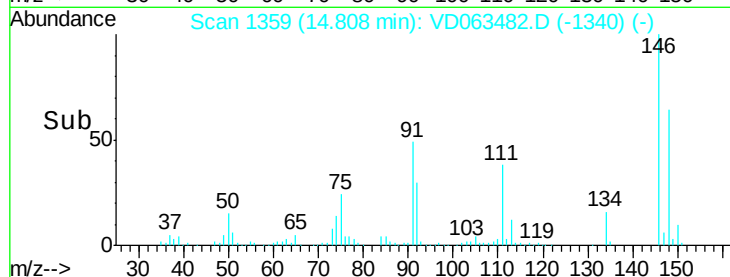
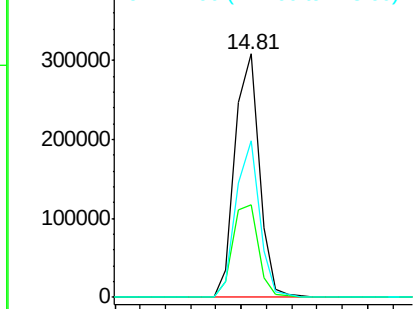
#91
 1,2-Dichlorobenzene
 Concen: 23.390 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

Tot Ion:146 Resp: 410740
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.2 60.6
 148 64.2 32.1 96.5

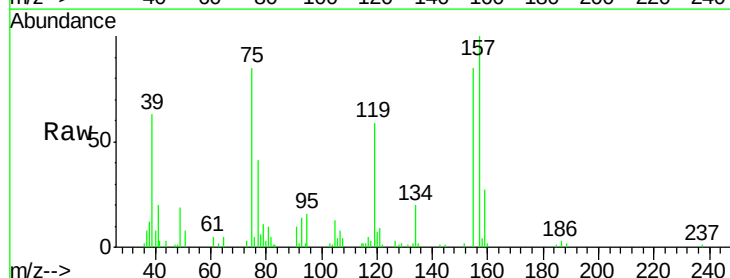


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

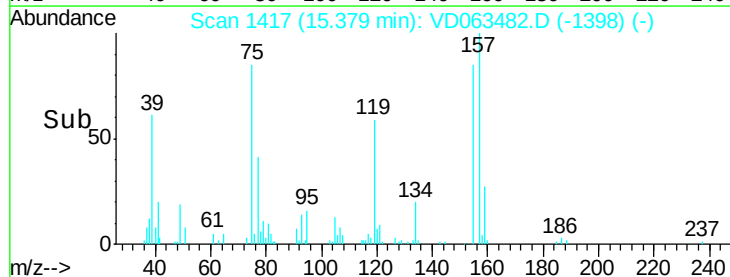
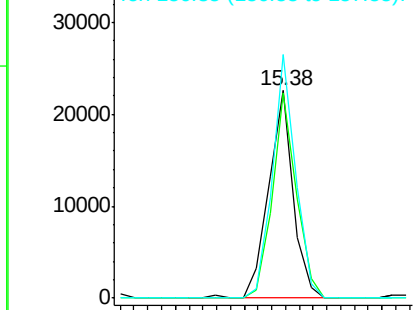


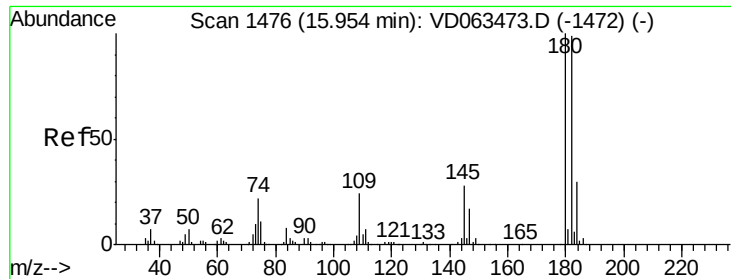
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.275 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion: 75 Resp: 27838
 Ion Ratio Lower Upper
 75 100
 155 99.1 50.1 150.3
 157 117.3 65.0 195.1



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

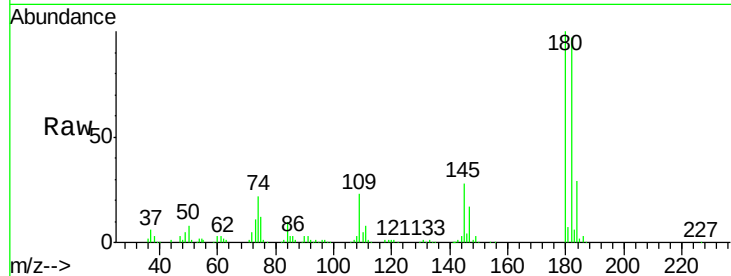




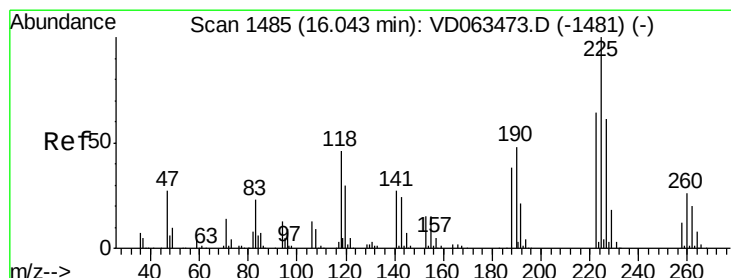
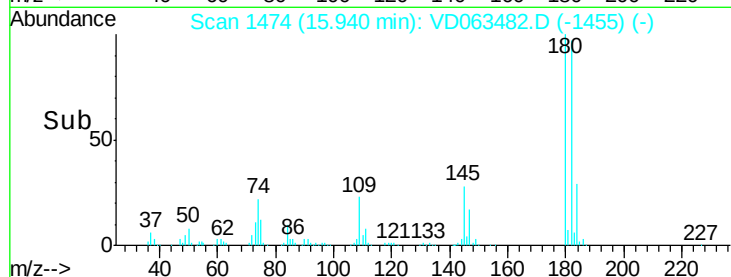
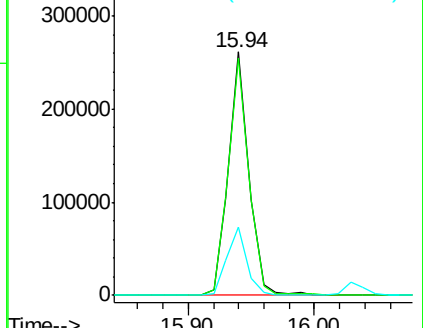
#93
 1,2,4-Trichlorobenzene
 Concen: 22.566 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	49.7	149.1
145	27.8	14.1	42.2

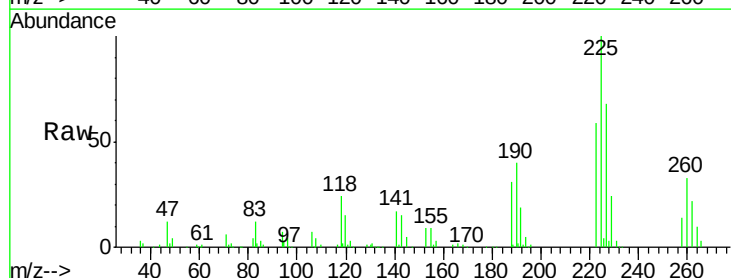


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

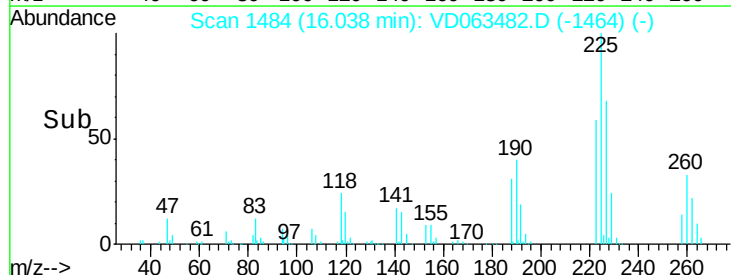
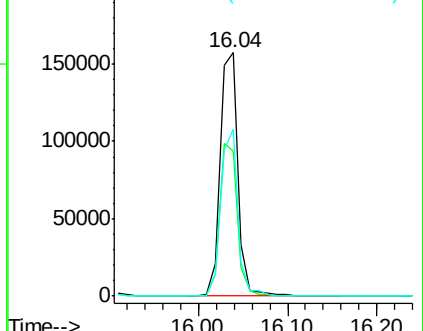


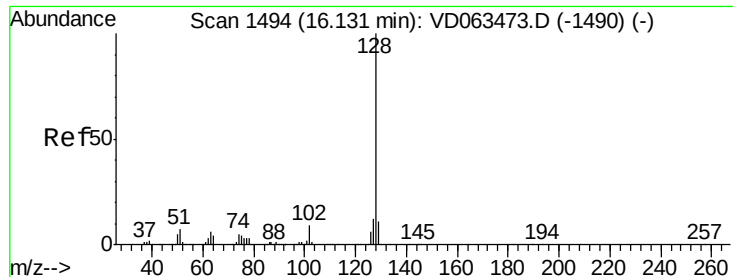
#94
 Hexachlorobutadiene
 Concen: 22.408 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063482.D
 Acq: 12 Aug 2019 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	31.9	95.5
227	68.4	30.7	92.1



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

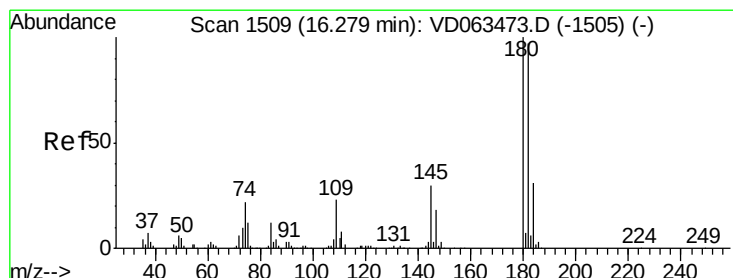
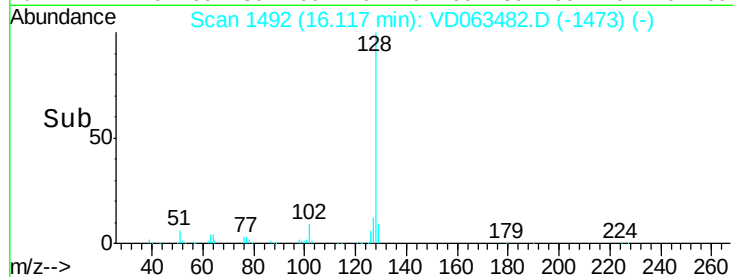
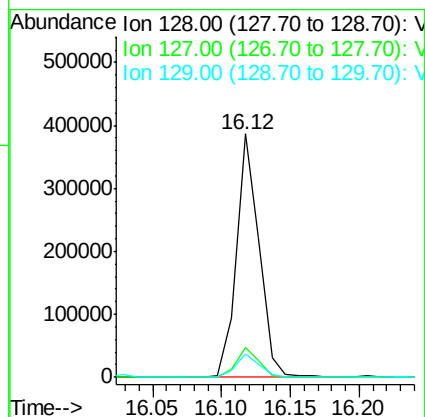
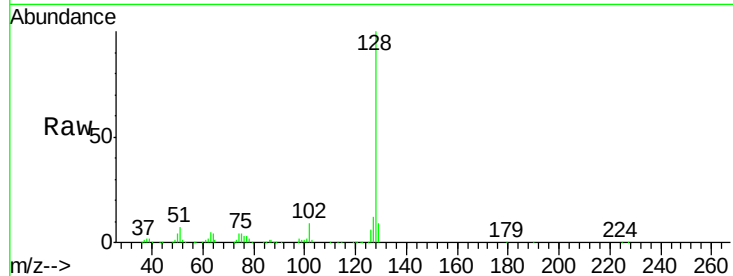




#95
Naphthalene
Concen: 22.634 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBSD01

Tot Ion:128 Resp: 443220
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.0
129 9.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.333 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063482.D
Acq: 12 Aug 2019 12:49

Tgt Ion:180 Resp: 233070
Ion Ratio Lower Upper
180 100
182 99.8 48.4 145.2
145 32.7 14.9 44.9

