

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063731.D
 Acq On : 22 Aug 2019 14:11
 Operator : JC/SY
 Sample : VD0822SBSD01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Quant Time: Aug 23 06:57:29 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	7.05	168	882436	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1262438	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1025087	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	542419	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	566989	60.11	ug/l	-0.01
Spiked Amount			Recovery	=	120.22%	
35) Dibromofluoromethane	6.92	113	637007	59.91	ug/l	-0.01
Spiked Amount			Recovery	=	119.82%	
50) Toluene-d8	10.42	98	1365689	58.42	ug/l	0.00
Spiked Amount			Recovery	=	116.84%	
62) 4-Bromofluorobenzene	13.56	95	548555	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	227468	21.307	ug/l	92
3) Chloromethane	1.74	50	190154	22.797	ug/l	99
4) Vinyl Chloride	1.84	62	170630	20.606	ug/l	96
5) Bromomethane	2.15	94	76114	19.481	ug/l	92
6) Chloroethane	2.26	64	87882	23.209	ug/l	94
7) Trichlorofluoromethane	2.52	101	361090	22.232	ug/l	95
8) Diethyl Ether	2.87	74	50007	21.807	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	201642	21.025	ug/l	90
10) Methyl Iodide	3.30	142	258955	19.083	ug/l #	91
11) Tert butyl alcohol	4.09	59	50111	122.038	ug/l	100
12) 1,1-Dichloroethene	3.12	96	148769	20.864	ug/l	89
13) Acrolein	3.03	56	30559	75.608	ug/l #	82
14) Allyl chloride	3.62	41	247207	23.062	ug/l	94
15) Acrylonitrile	4.20	53	122810	112.915	ug/l	91
16) Acetone	3.22	43	194763	101.574	ug/l	93
17) Carbon Disulfide	3.37	76	469870	20.879	ug/l	98
18) Methyl Acetate	3.64	43	92742	25.535	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	349962	24.541	ug/l	92
20) Methylene Chloride	3.81	84	184776	22.285	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	172135	22.941	ug/l	97
22) Diisopropyl ether	5.12	45	514659	23.268	ug/l	97
23) Vinyl Acetate	5.06	43	1548288	120.404	ug/l	99
24) 1,1-Dichloroethane	4.98	63	326342	23.788	ug/l	99
25) 2-Butanone	6.08	43	214369	113.198	ug/l	100
26) 2,2-Dichloropropane	6.03	77	303458	22.208	ug/l	88
27) cis-1,2-Dichloroethene	6.04	96	204381	24.896	ug/l	91
28) Bromochloromethane	6.44	49	133466	24.004	ug/l	94
29) Tetrahydrofuran	6.47	42	102829	116.528	ug/l	95
30) Chloroform	6.67	83	398039	23.342	ug/l	98
31) Cyclohexane	6.95	56	176010	20.666	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	379061	23.238	ug/l	99
36) 1,1-Dichloropropene	7.15	75	254307	22.787	ug/l	97
37) Ethyl Acetate	6.19	43	99203	21.213	ug/l #	94
38) Carbon Tetrachloride	7.11	117	362320	21.541	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	198638	20.931	ug/l	96
40) Benzene	7.45	78	554628	22.583	ug/l	99
41) Methacrylonitrile	6.46	41	145022	24.629	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	290956	23.561	ug/l	97
43) Isopropyl Acetate	9.25	43	155123	24.767	ug/l #	90
44) Trichloroethene	8.55	130	212584	22.646	ug/l	86
45) 1,2-Dichloropropane	8.94	63	136359	23.842	ug/l	94
46) Dibromomethane	9.07	93	117828	24.124	ug/l	97
47) Bromodichloromethane	9.37	83	305324	24.370	ug/l	99
48) Methyl methacrylate	9.13	41	94793	22.317	ug/l	98
49) 1,4-Dioxane	9.09	88	17054	463.226	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	501707	117.062	ug/l	91
52) Toluene	10.52	92	366182	23.148	ug/l	93
53) t-1,3-Dichloropropene	10.92	75	244353	23.899	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	265143	22.998	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	135310	25.322	ug/l	94
56) Ethyl methacrylate	11.05	69	117139	20.197	ug/l	92
57) 1,3-Dichloropropane	11.41	76	180657	22.366	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.87	63	353026	115.295	ug/l	94
59) 2-Hexanone	11.54	43	346923	111.248	ug/l	95
60) Dibromochloromethane	11.69	129	214121	22.021	ug/l	91
61) 1,2-Dibromoethane	11.81	107	155228	23.997	ug/l	92
64) Tetrachloroethene	11.26	164	201294	25.437	ug/l	93
65) Chlorobenzene	12.41	112	492786	25.649	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	200782	23.746	ug/l	89
67) Ethyl Benzene	12.52	91	723058	21.645	ug/l	97
68) m/p-Xylenes	12.67	106	577062	49.168	ug/l	97
69) o-Xylene	13.06	106	262022	23.196	ug/l	93
70) Styrene	13.08	104	475981	23.689	ug/l	98
71) Bromoform	13.23	173	138039	23.809	ug/l	92
73) Isopropylbenzene	13.40	105	796036	23.073	ug/l	96
74) N-amyl acetate	13.26	43	215630	24.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	134653	23.514	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	158694	25.492	ug/l	95
77) Bromobenzene	13.68	156	222719	23.620	ug/l	85
78) n-propylbenzene	13.77	91	930805	23.058	ug/l	94
79) 2-Chlorotoluene	13.84	91	529165	22.735	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	734752	24.374	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	36058	21.551	ug/l	96
82) 4-Chlorotoluene	13.95	91	687872	24.577	ug/l	94
83) tert-Butylbenzene	14.19	119	816574	25.724	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	687777	24.659	ug/l	92
85) sec-Butylbenzene	14.37	105	851436	25.257	ug/l	97
86) p-Isopropyltoluene	14.49	119	768584	23.845	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	425108	24.925	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	399942	24.441	ug/l	95
89) n-Butylbenzene	14.80	91	704921	23.962	ug/l	93
90) Hexachloroethane	15.01	117	198467	24.497	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	348795	24.104	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	28126	26.085	ug/l	64

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

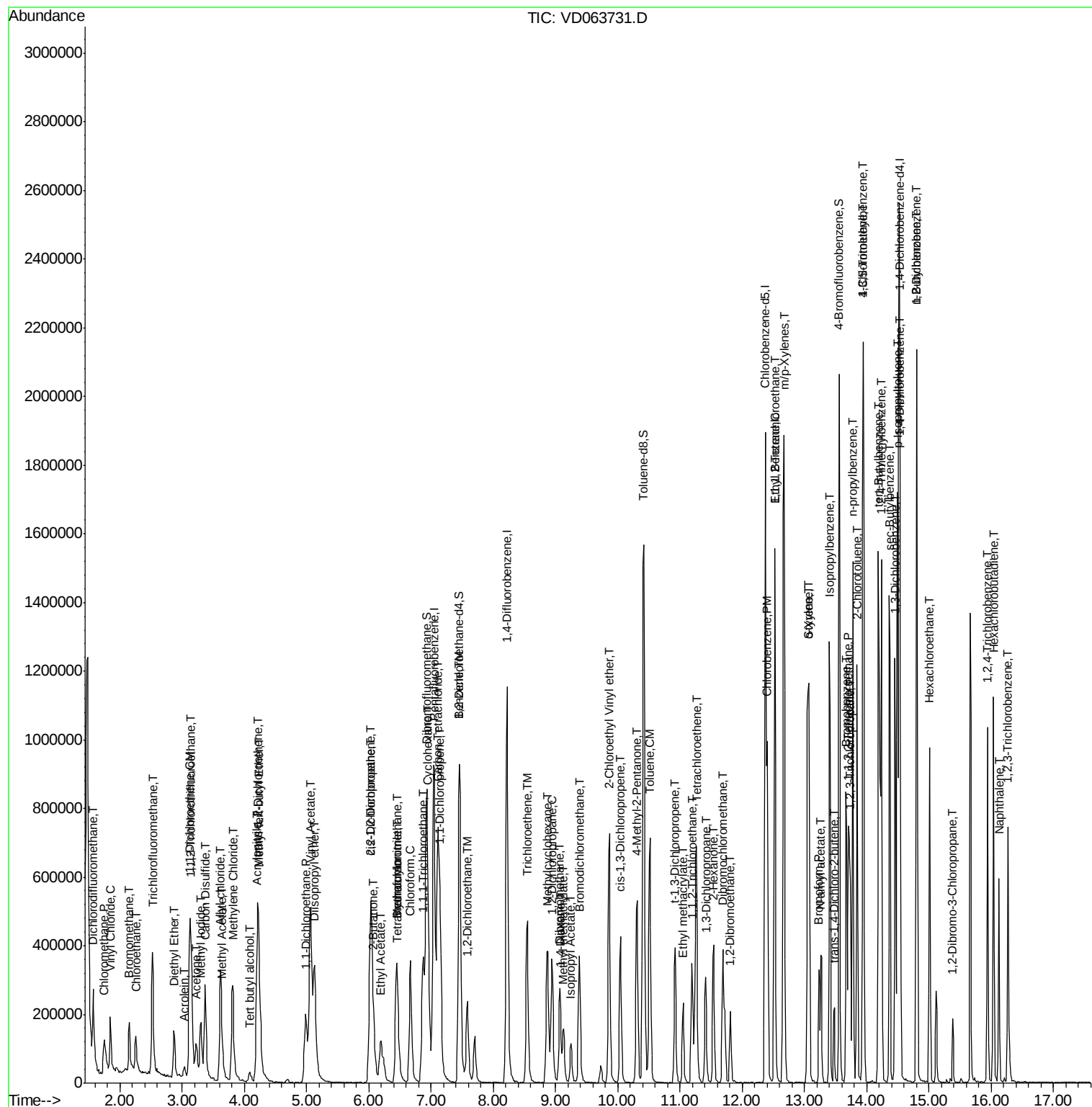
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	268223	25.191	ug/l	95
94) Hexachlorobutadiene	16.04	225	180658	22.262	ug/l	98
95) Naphthalene	16.13	128	387806	24.033	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	214690	24.964	ug/l	98

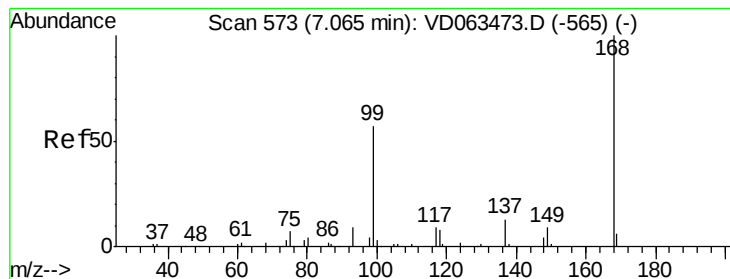
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082219\
Data File : VD063731.D
Acq On : 22 Aug 2019 14:11
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Sample : VD0822SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
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Quant Time: Aug 23 06:57:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

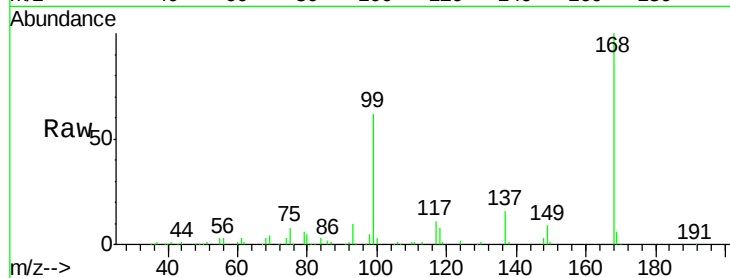
VD0822SBS01

Tot Ion:168 Resp: 882436

Ion Ratio Lower Upper

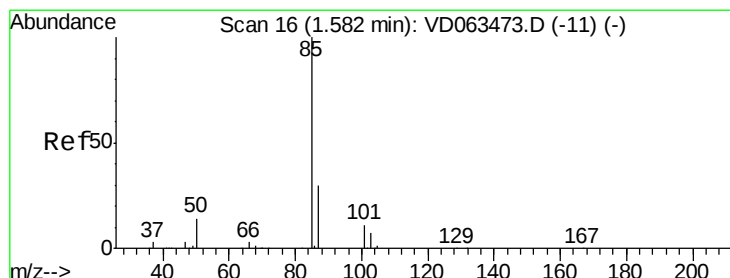
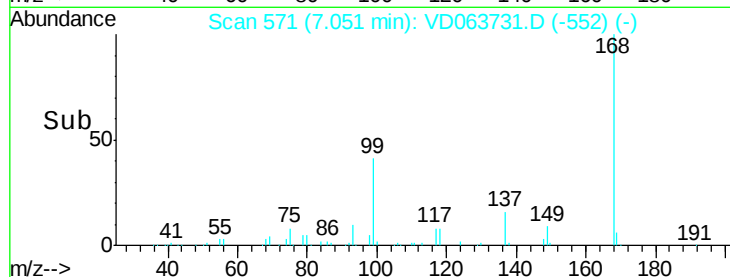
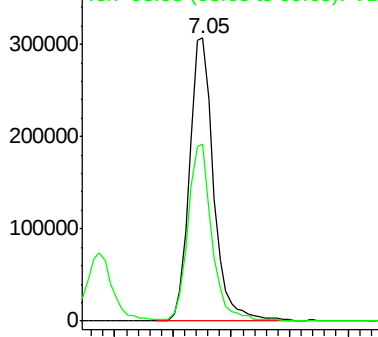
168 100

99 62.4 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: 21.307 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063731.D

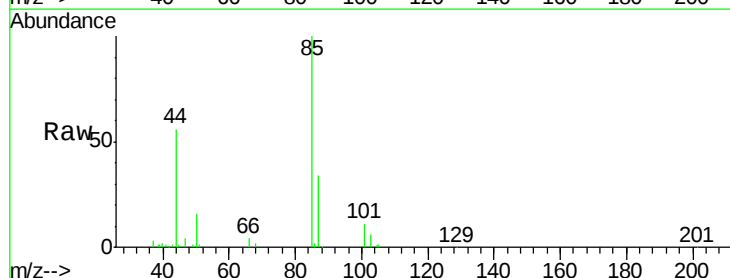
Acq: 22 Aug 2019 14:11

Tgt Ion: 85 Resp: 227468

Ion Ratio Lower Upper

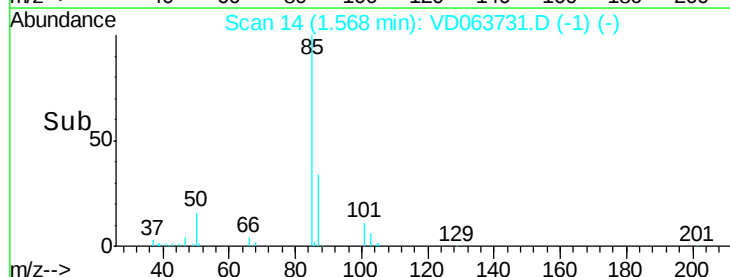
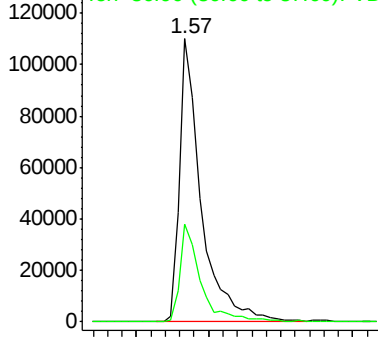
85 100

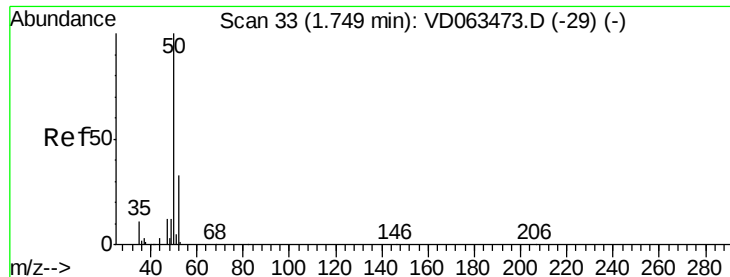
87 34.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.797 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

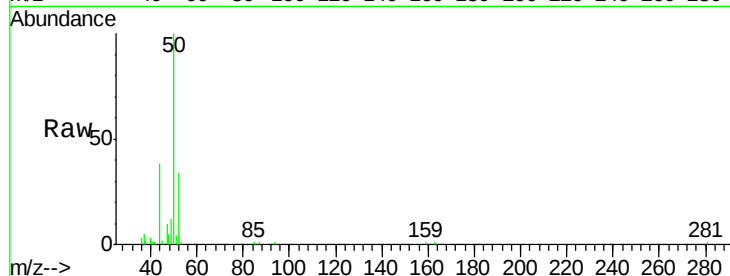
VD0822SBSD01

Tot Ion: 50 Resp: 190154

Ion Ratio Lower Upper

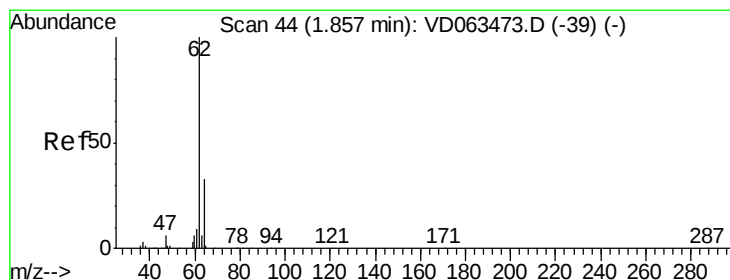
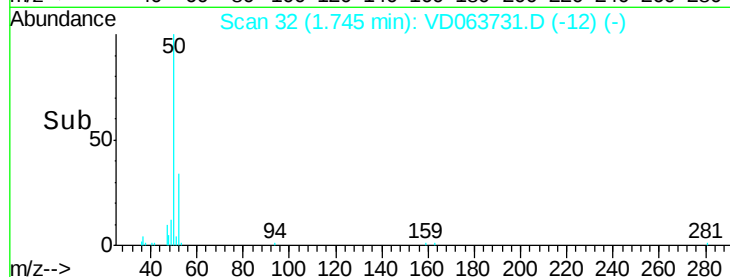
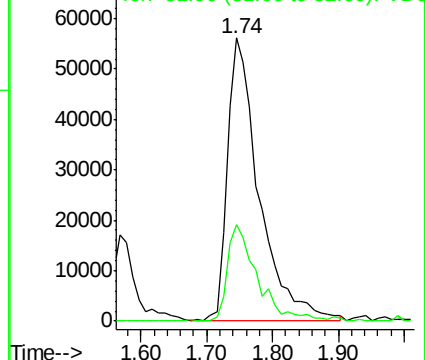
50 100

52 34.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.606 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063731.D

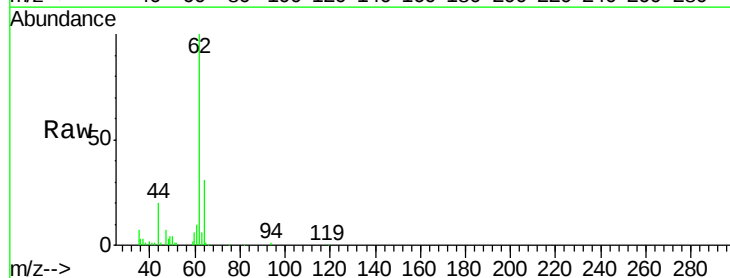
Acq: 22 Aug 2019 14:11

Tgt Ion: 62 Resp: 170630

Ion Ratio Lower Upper

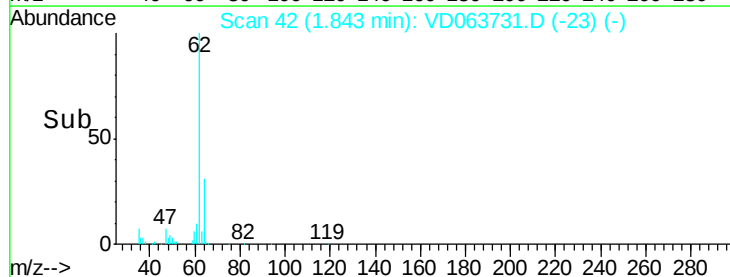
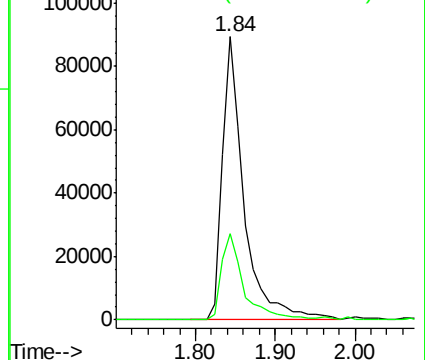
62 100

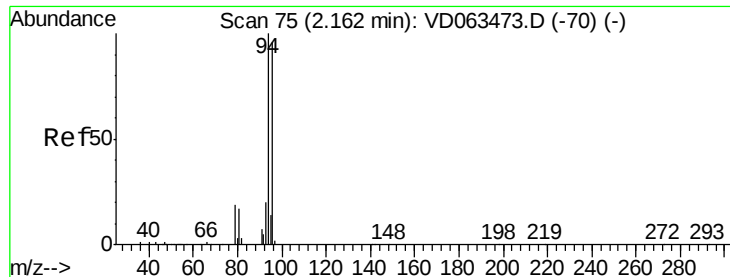
64 30.5 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.481 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

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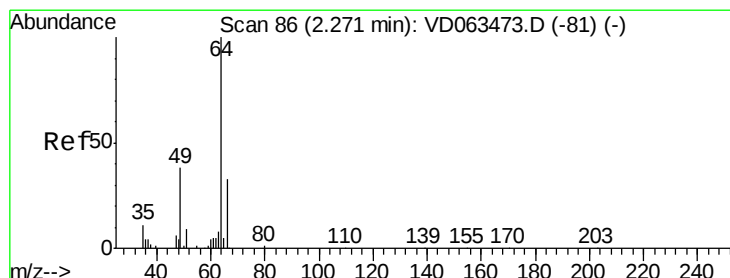
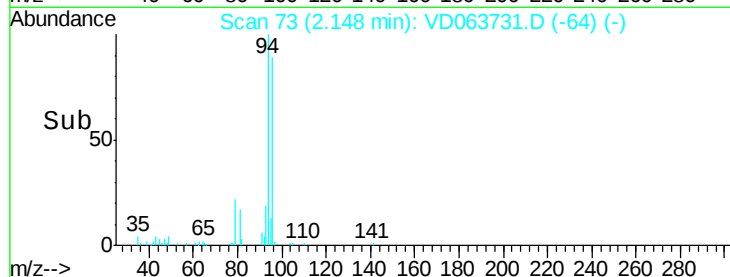
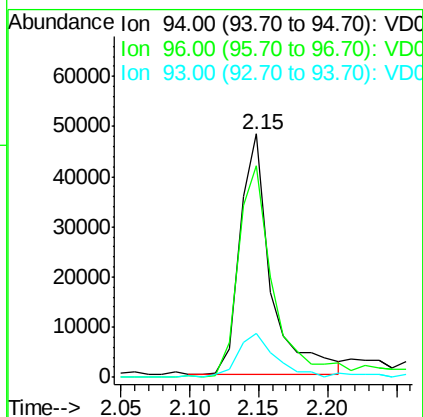
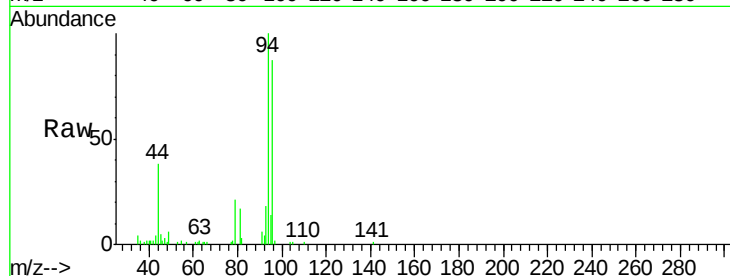
Tot Ion: 94 Resp: 76114

Ion Ratio Lower Upper

94 100

96 86.9 76.5 114.7

93 18.1 15.8 23.8



#6

Chloroethane

Concen: 23.209 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063731.D

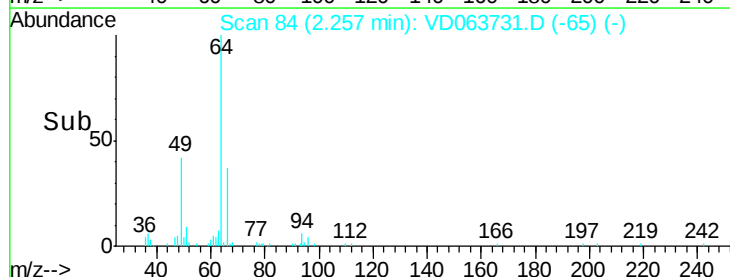
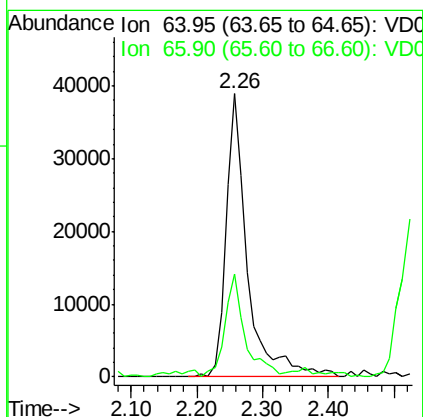
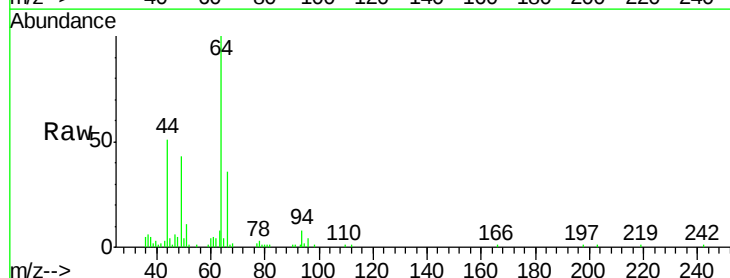
Acq: 22 Aug 2019 14:11

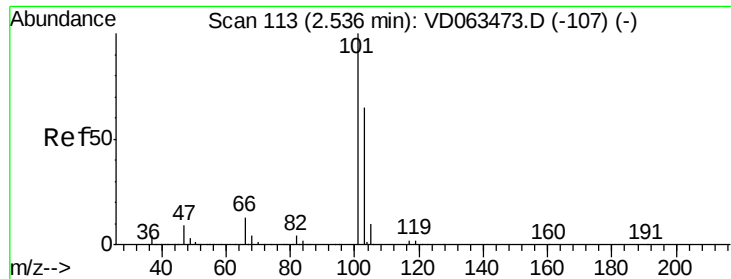
Tgt Ion: 64 Resp: 87882

Ion Ratio Lower Upper

64 100

66 36.3 26.3 39.5



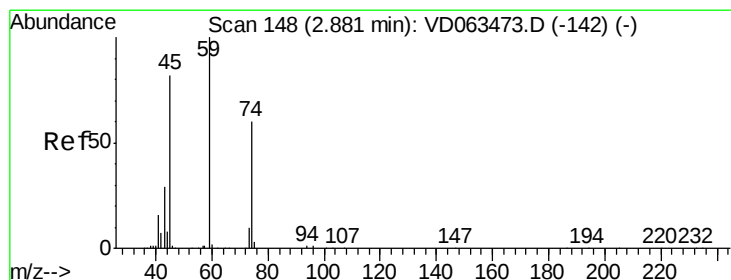
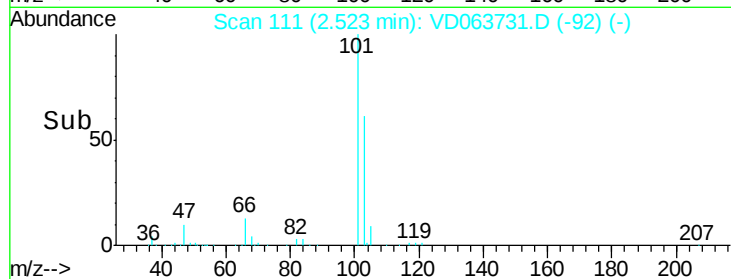
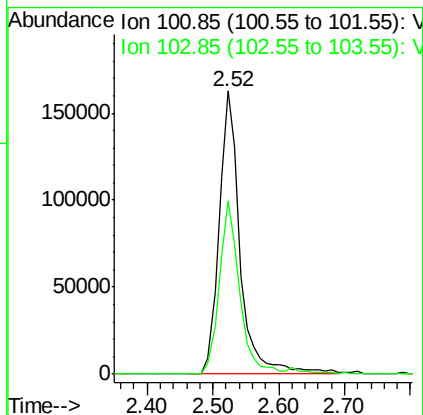
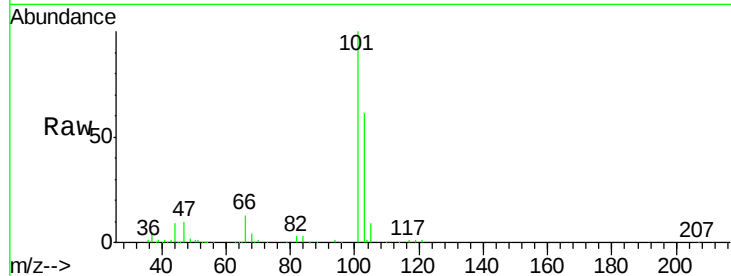


#7

Trichlorofluoromethane
 Concen: 22.232 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Instrument :
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 ClientSampleId :
 VD0822SBSD01

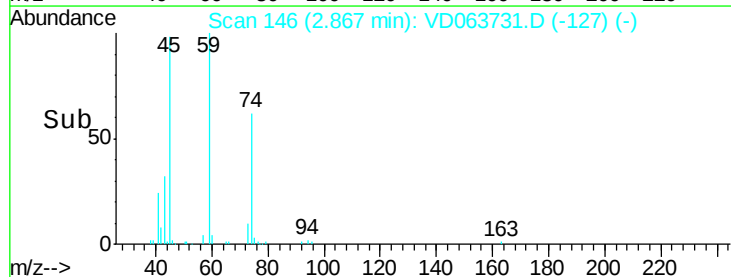
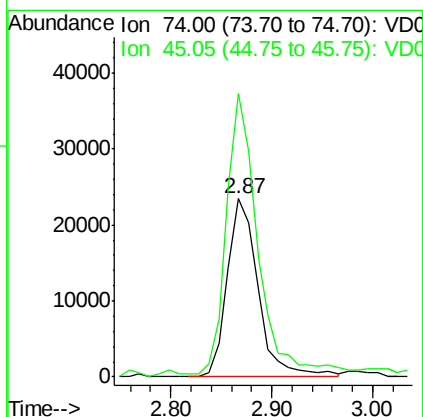
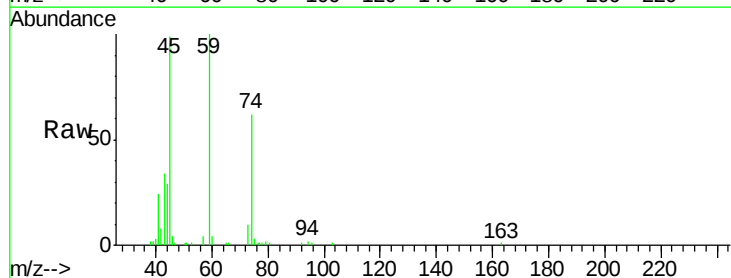
Tot Ion:101 Resp: 361090
 Ion Ratio Lower Upper
 101 100
 103 61.0 52.2 78.4



#8

Diethyl Ether
 Concen: 21.807 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 74 Resp: 50007
 Ion Ratio Lower Upper
 74 100
 45 159.2 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.025 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

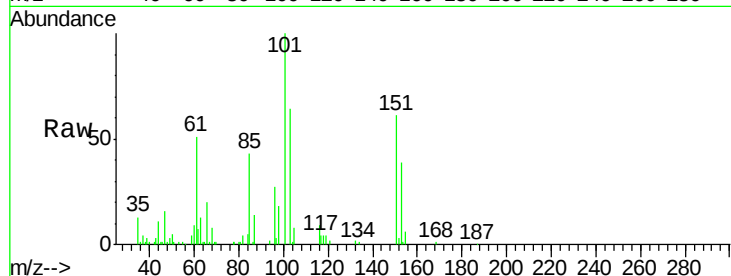
Tot Ion:101 Resp: 201642

Ion Ratio Lower Upper

101 100

85 43.0 35.8 53.6

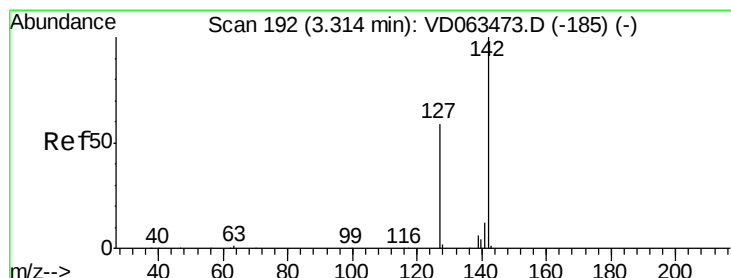
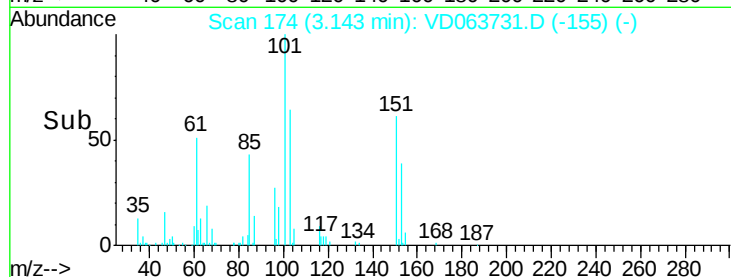
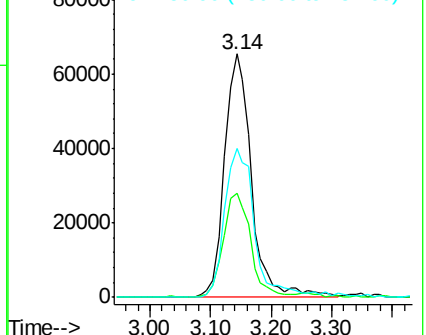
151 61.4 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.083 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

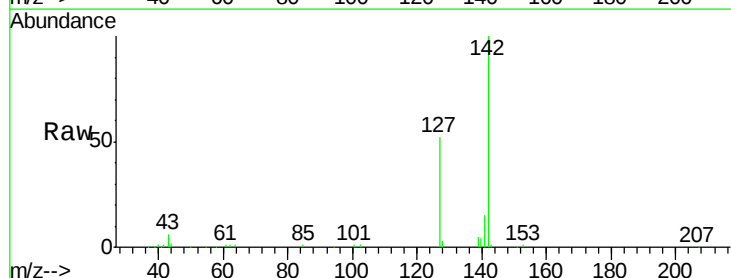
Tgt Ion:142 Resp: 258955

Ion Ratio Lower Upper

142 100

127 52.0 47.2 70.8

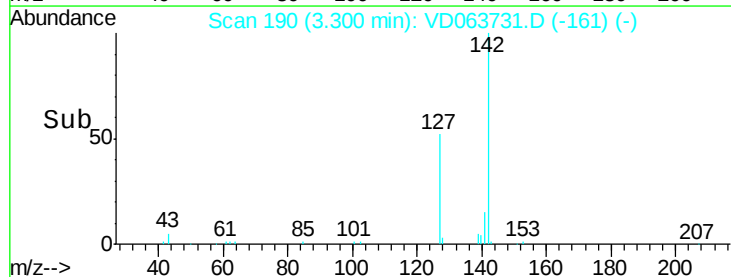
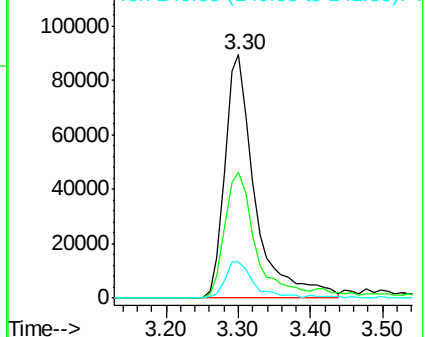
141 14.8 9.8 14.8#

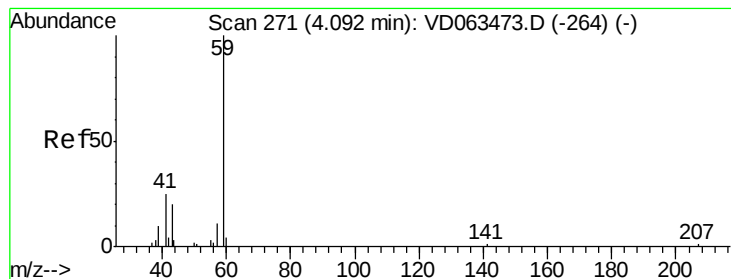


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



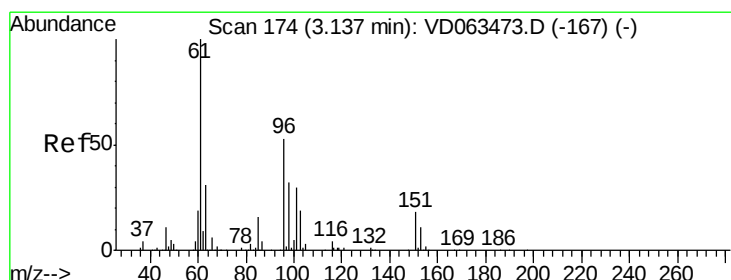
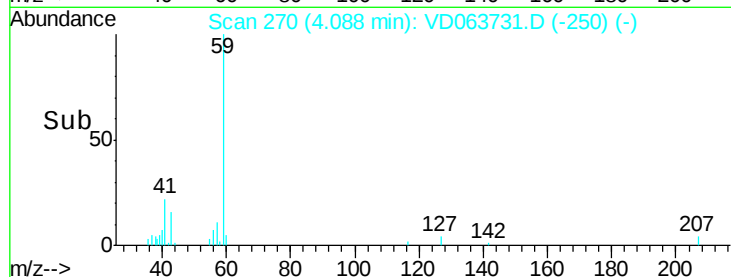
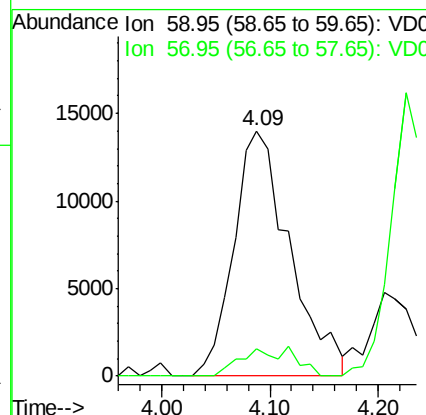
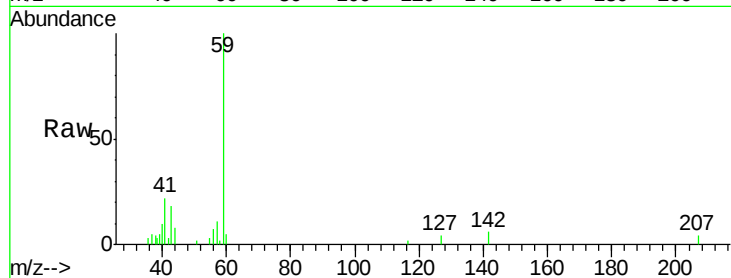


#11

Tert butyl alcohol
 Concen: 122.038 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

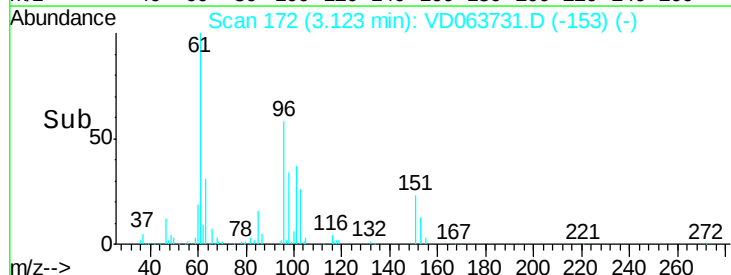
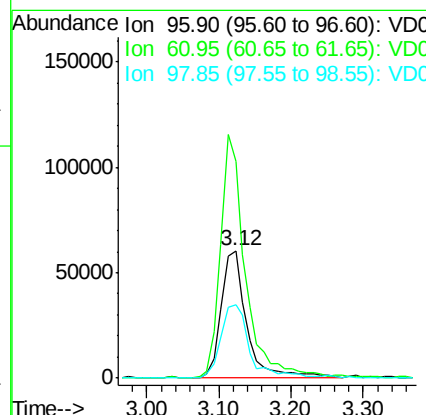
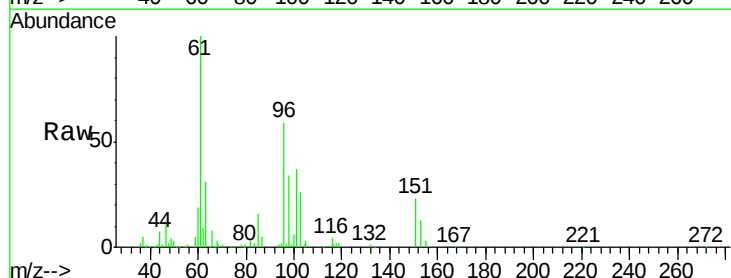
Tot Ion: 59 Resp: 50111
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.7 13.1

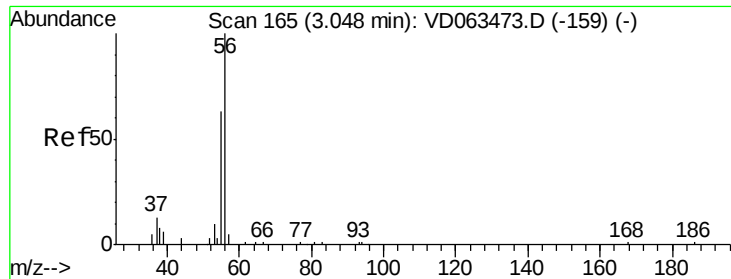


#12

1,1-Dichloroethene
 Concen: 20.864 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 96 Resp: 148769
 Ion Ratio Lower Upper
 96 100
 61 170.1 151.7 227.5
 98 57.8 48.4 72.6





#13

Acrolein

Concen: 75.608 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

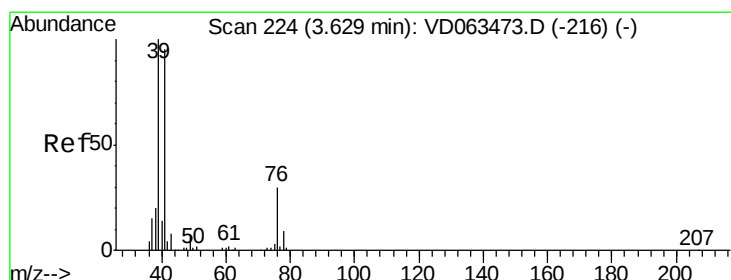
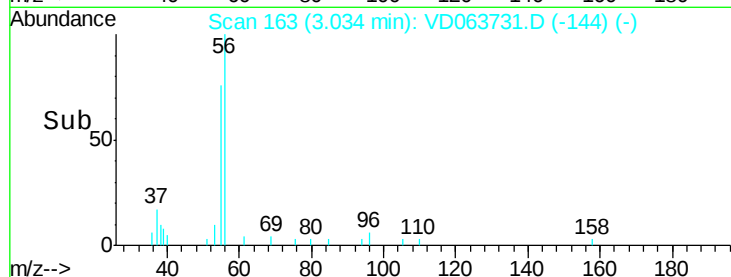
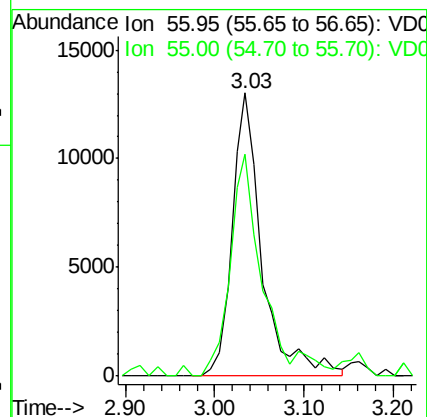
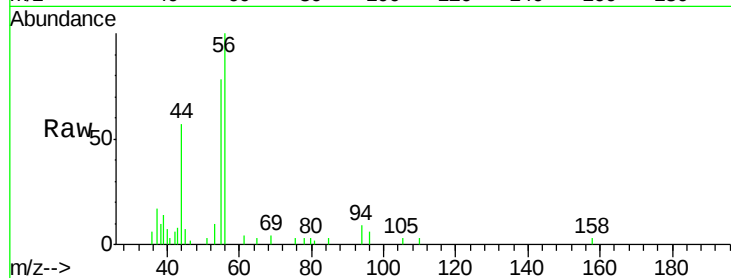
VD0822SBSD01

Tot Ion: 56 Resp: 30559

Ion Ratio Lower Upper

56 100

55 78.4 51.3 76.9#



#14

Allyl chloride

Concen: 23.062 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

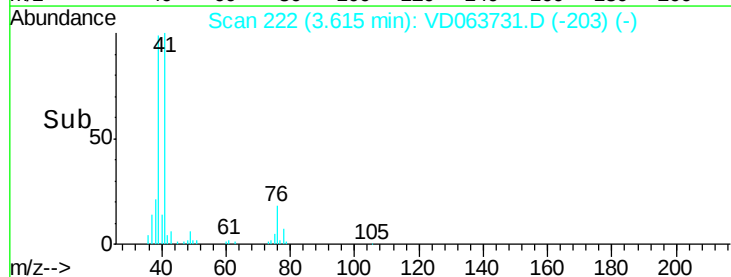
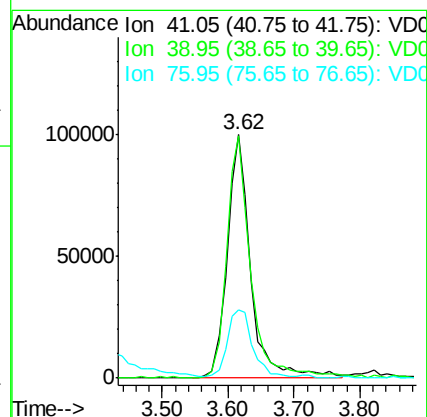
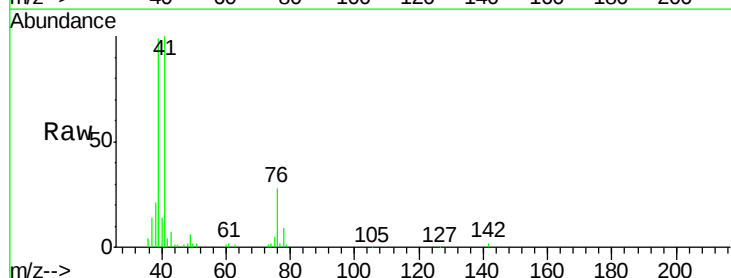
Tgt Ion: 41 Resp: 247207

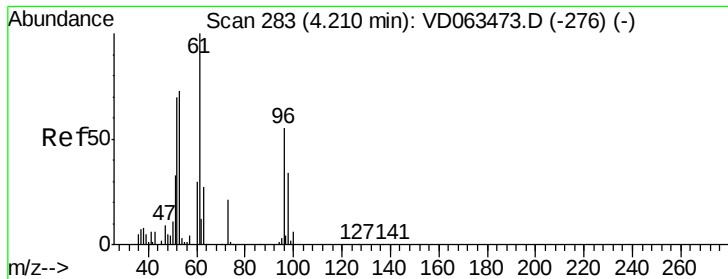
Ion Ratio Lower Upper

41 100

39 99.5 84.2 126.4

76 27.9 26.0 39.0





#15

Acrylonitrile

Concen: 112.915 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

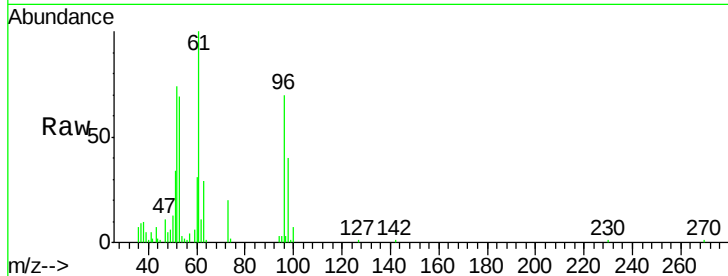
Tot Ion: 53 Resp: 122810

Ion Ratio Lower Upper

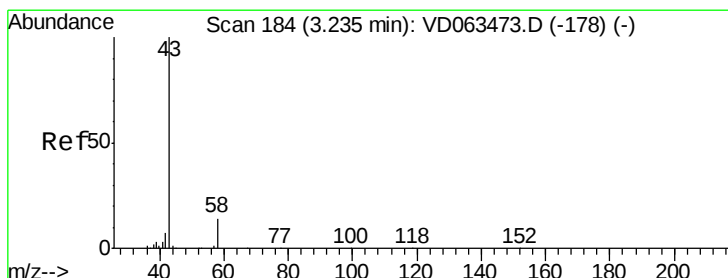
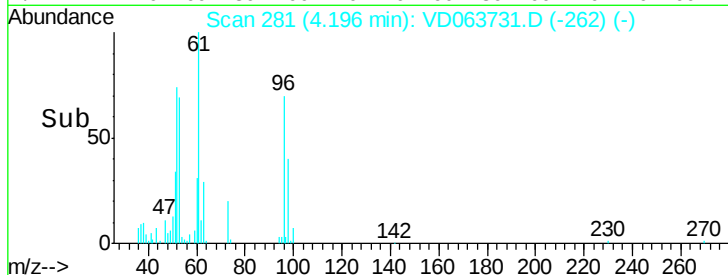
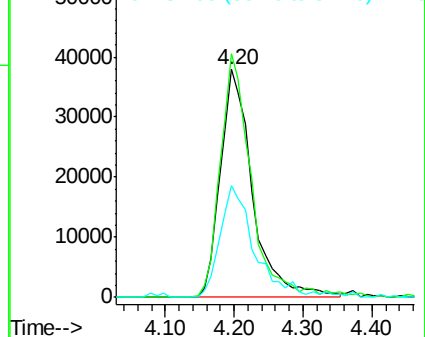
53 100

52 106.9 77.4 116.0

51 49.1 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: 101.574 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063731.D

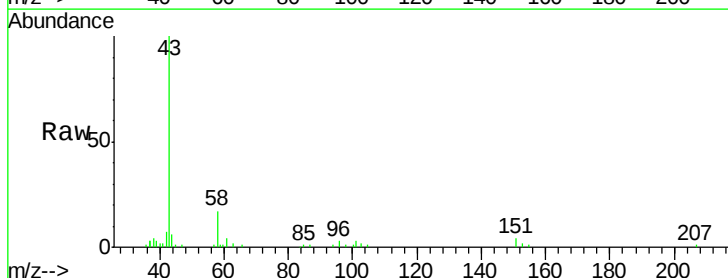
Acq: 22 Aug 2019 14:11

Tgt Ion: 43 Resp: 194763

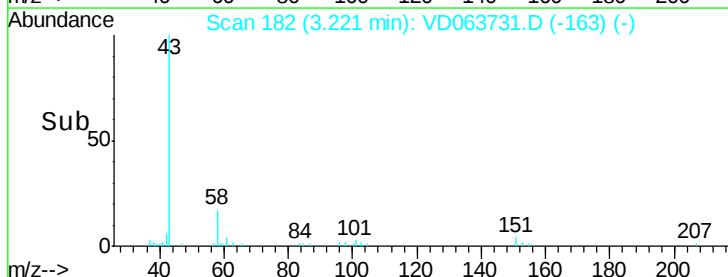
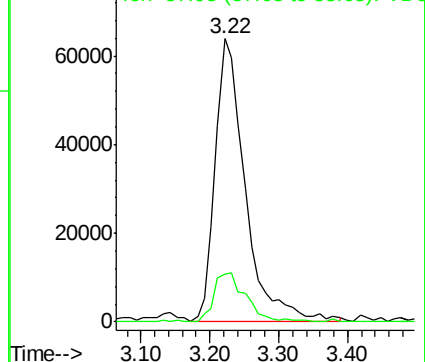
Ion Ratio Lower Upper

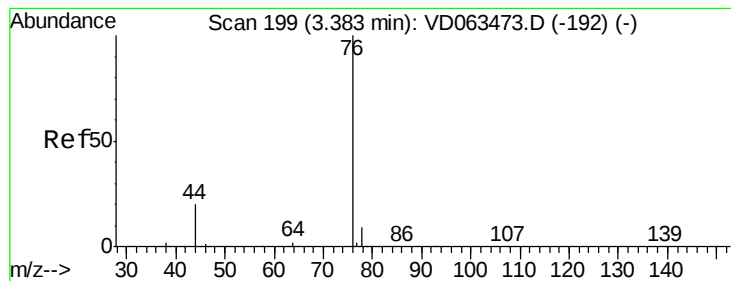
43 100

58 17.1 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: 20.879 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

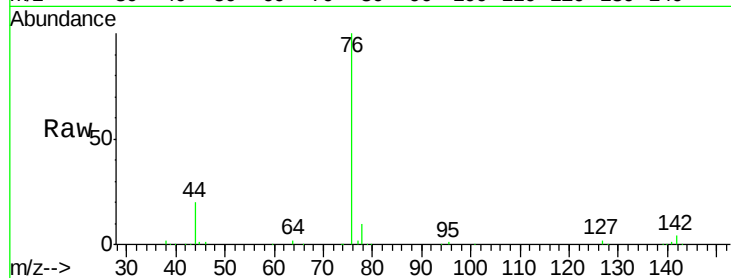
VD0822SBSD01

Tot Ion: 76 Resp: 469870

Ion Ratio Lower Upper

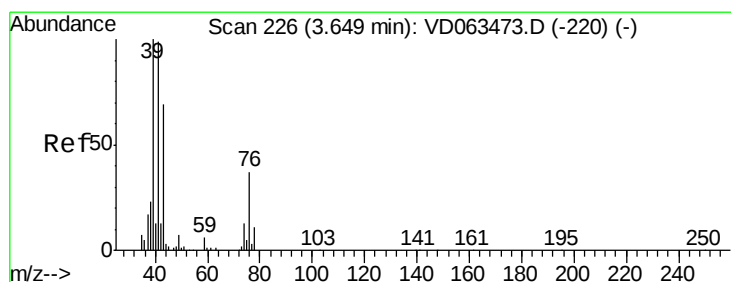
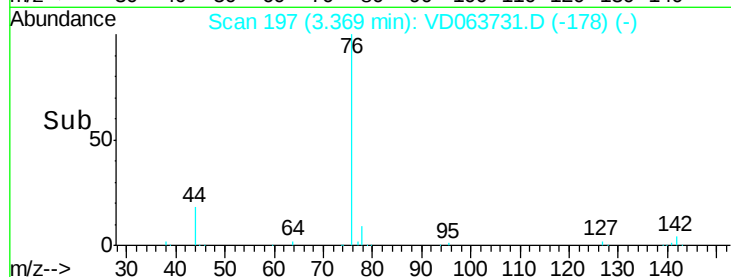
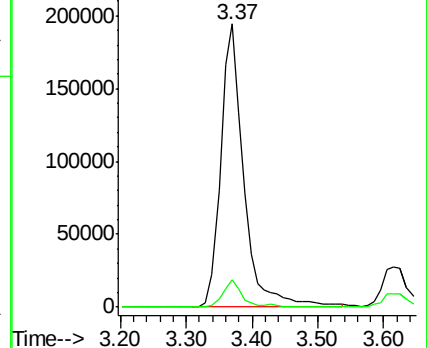
76 100

78 9.8 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 25.535 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063731.D

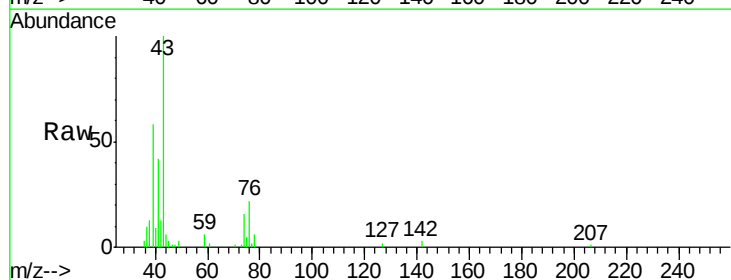
Acq: 22 Aug 2019 14:11

Tgt Ion: 43 Resp: 92742

Ion Ratio Lower Upper

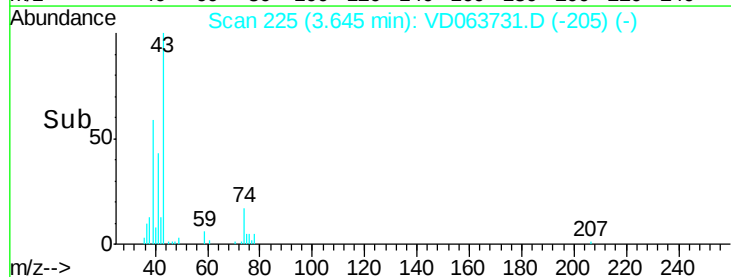
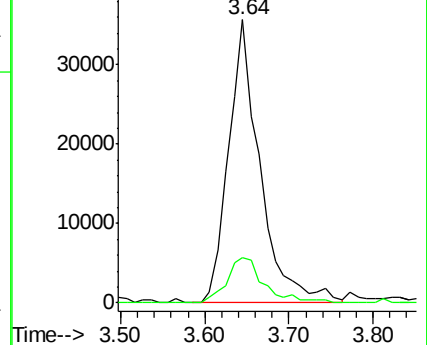
43 100

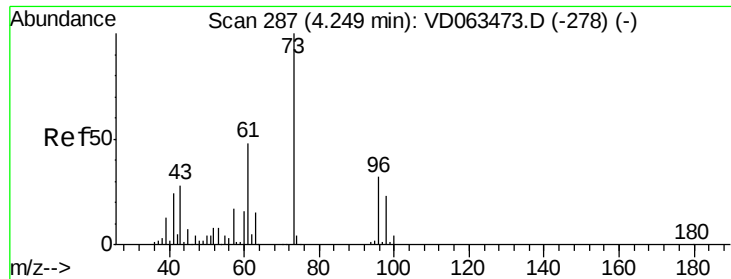
74 16.2 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

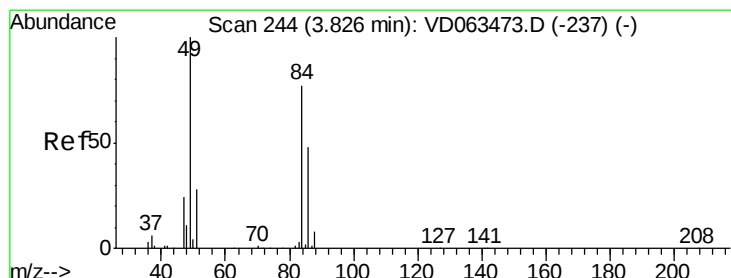
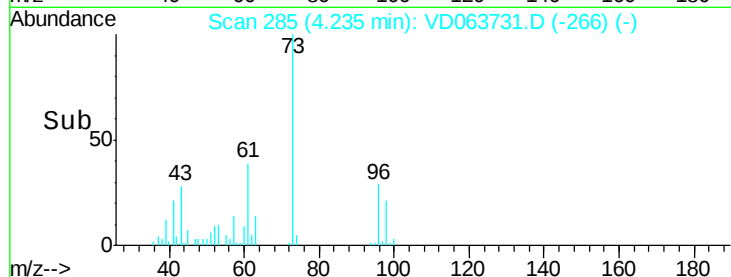
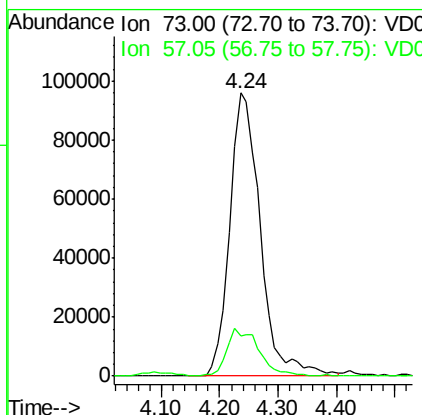
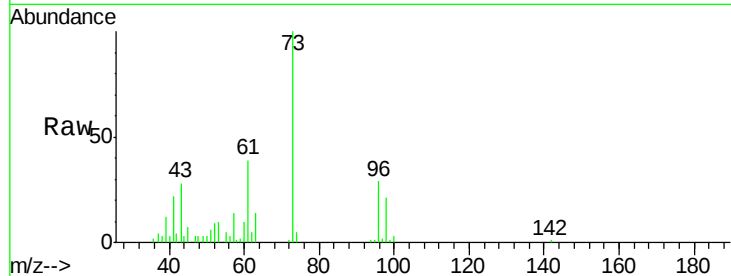




#19
Methvl tert-butvl Ether
Concen: 24.541 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

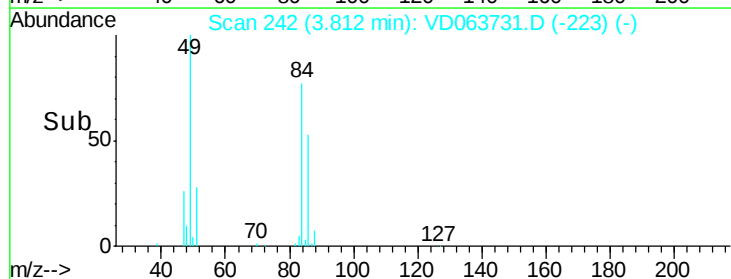
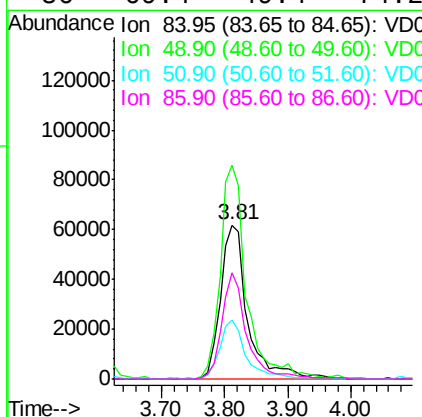
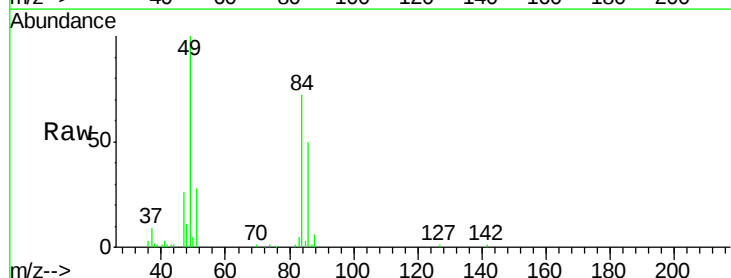
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

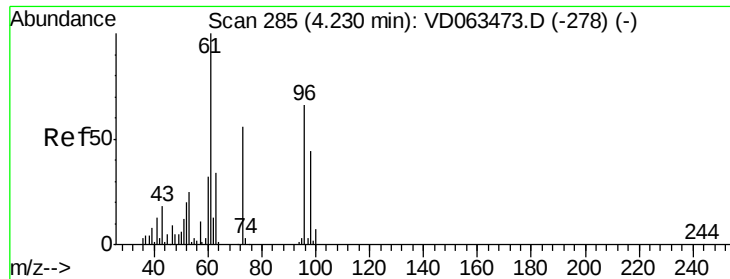
Tot Ion: 73 Resp: 349962
Ion Ratio Lower Upper
73 100
57 14.2 14.0 21.0



#20
Methylene Chloride
Concen: 22.285 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion: 84 Resp: 184776
Ion Ratio Lower Upper
84 100
49 138.9 103.4 155.2
51 38.7 28.5 42.7
86 69.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.941 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

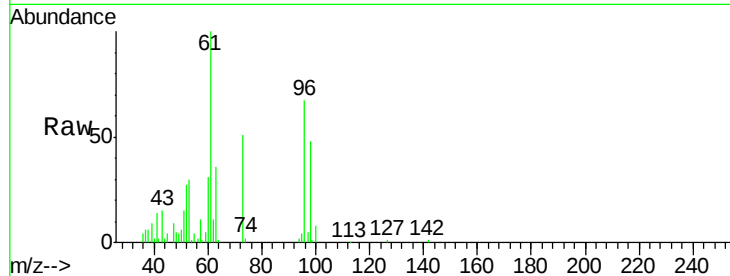
Tot Ion: 96 Resp: 172135

Ion Ratio Lower Upper

96 100

61 149.2 121.7 182.5

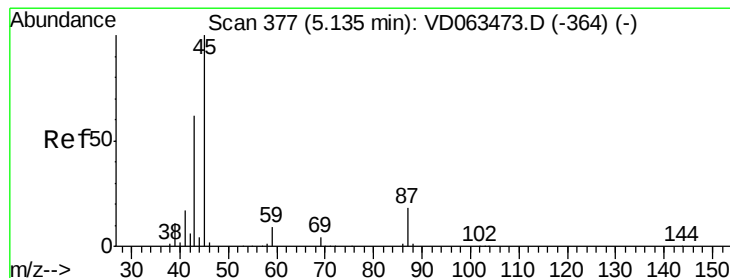
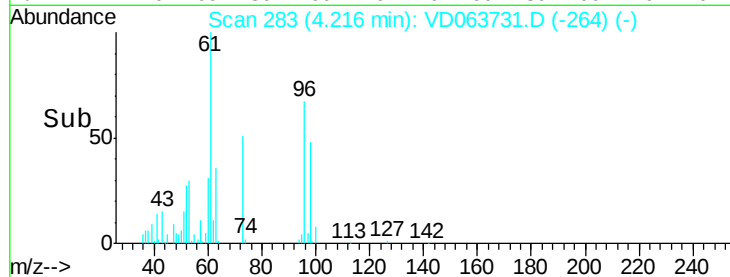
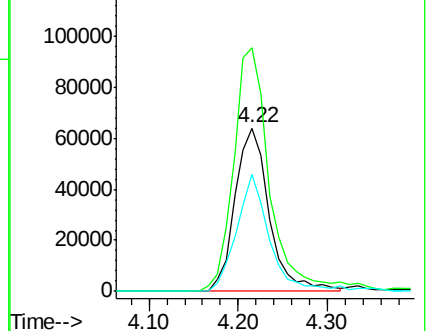
98 71.9 54.2 81.2



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: 23.268 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Tgt Ion: 45 Resp: 514659

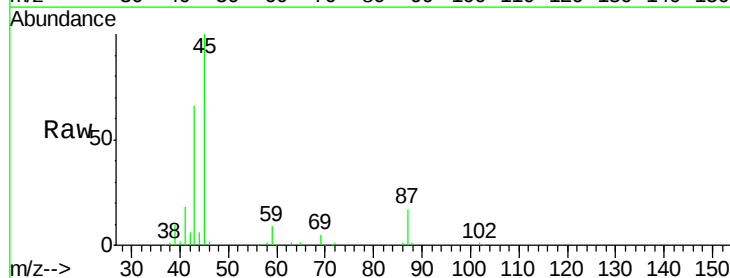
Ion Ratio Lower Upper

45 100

43 65.9 50.3 75.5

87 17.0 14.3 21.5

59 9.4 7.7 11.5

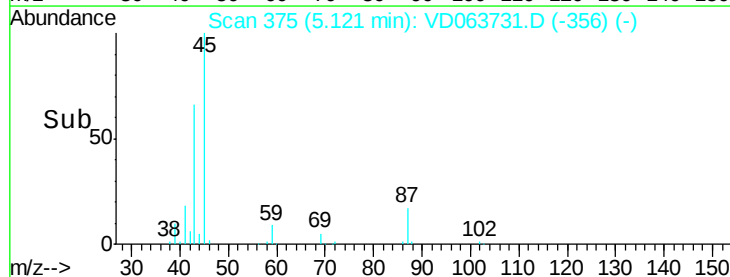
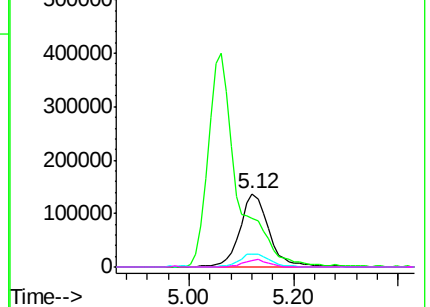


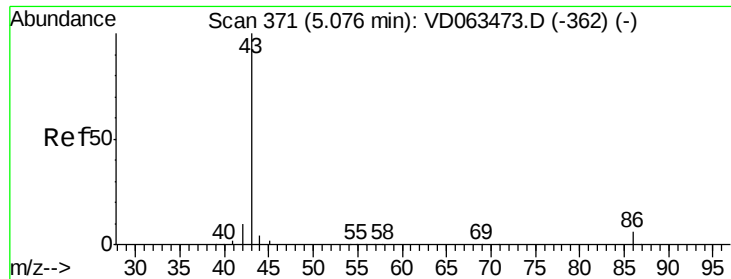
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

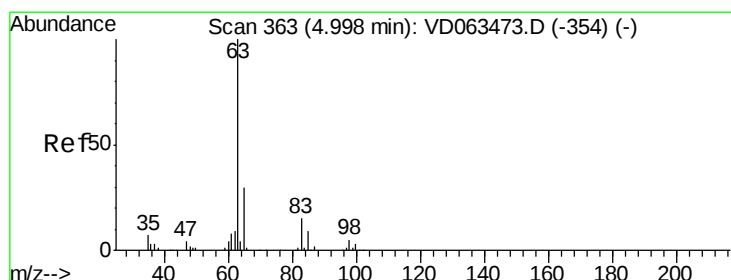
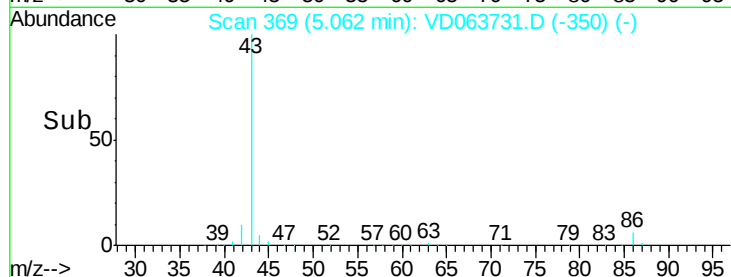
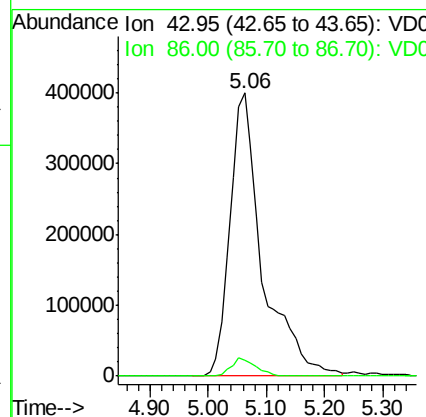
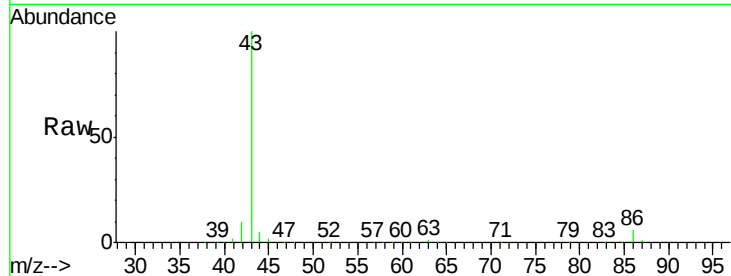




#23
 Vinyl Acetate
 Concen: 120.404 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

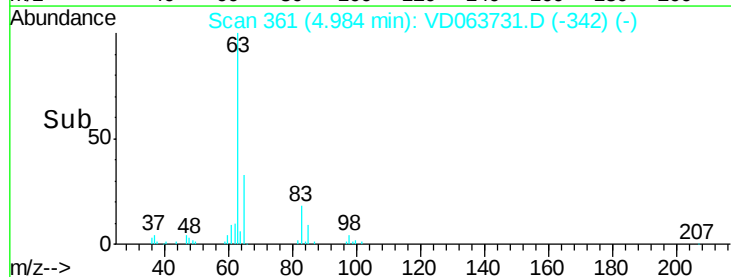
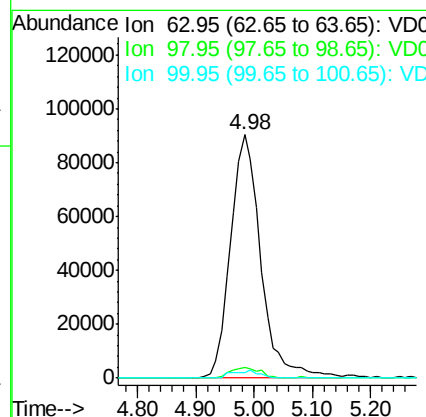
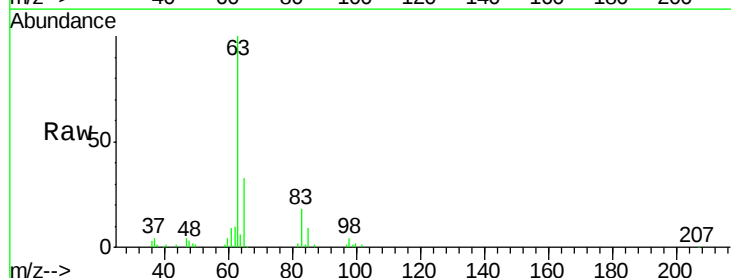
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0822SBSD01

Tot Ion: 43 Resp: 1548288
 Ion Ratio Lower Upper
 43 100
 86 5.8 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 23.788 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 63 Resp: 326342
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.4 7.2
 100 2.3 1.3 3.8





#25

2-Butanone

Concen: 113.198 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

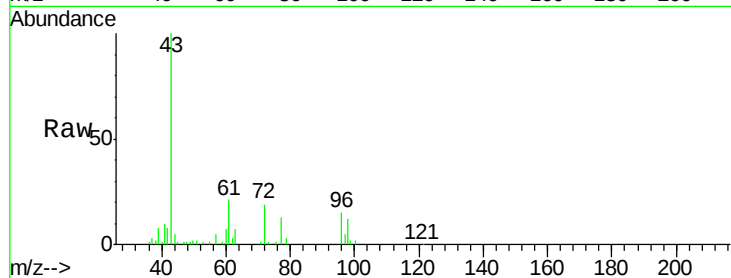
VD0822SBS01

Tot Ion: 43 Resp: 214369

Ion Ratio Lower Upper

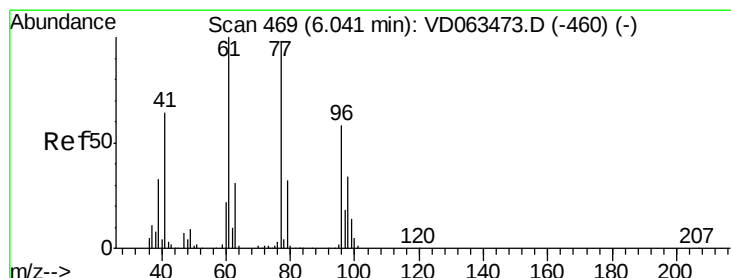
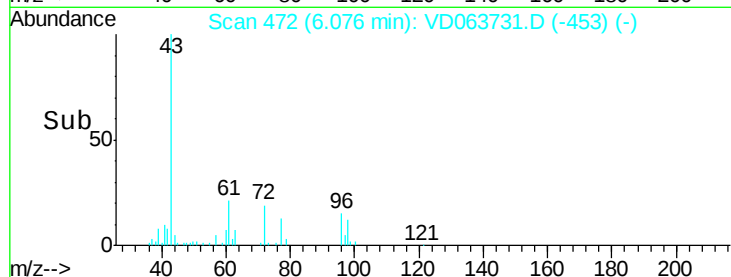
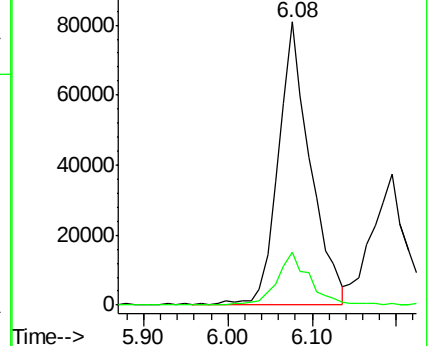
43 100

72 18.8 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: 22.208 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063731.D

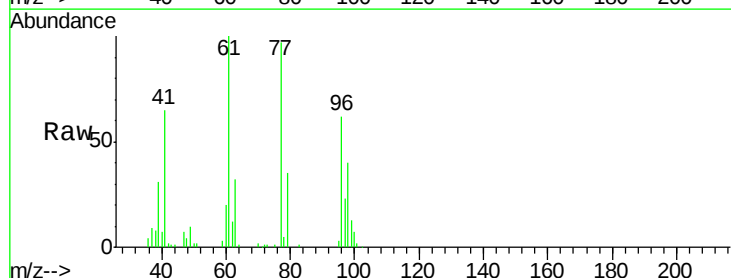
Acq: 22 Aug 2019 14:11

Tgt Ion: 77 Resp: 303458

Ion Ratio Lower Upper

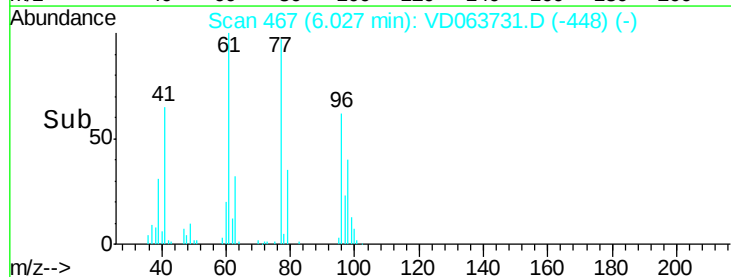
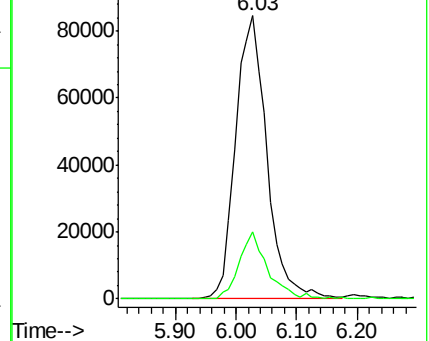
77 100

97 23.6 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



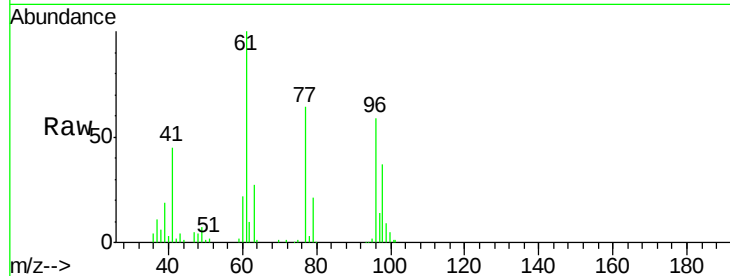


#27

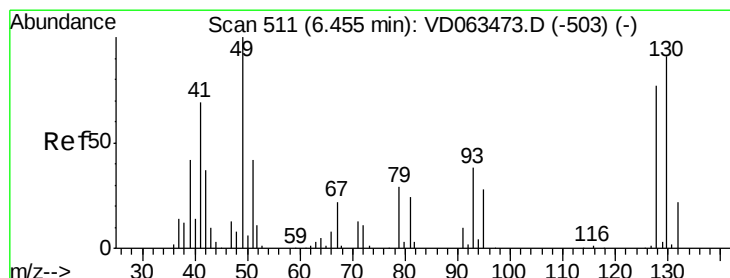
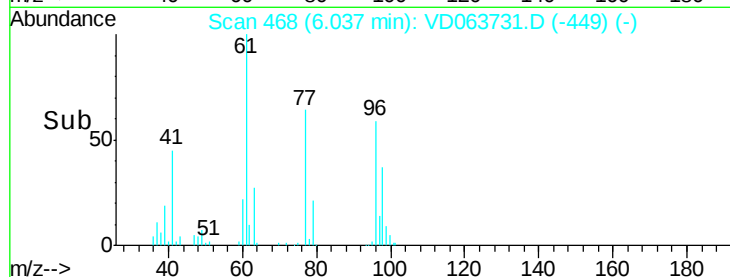
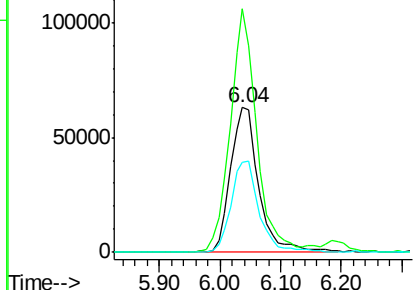
cis-1,2-Dichloroethene
 Concen: 24.896 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Tot Ion	96	Resp	204381
Ion Ratio	Lower	Upper	
96	100		
61	168.5	0.0	304.0
98	62.6	0.0	124.8



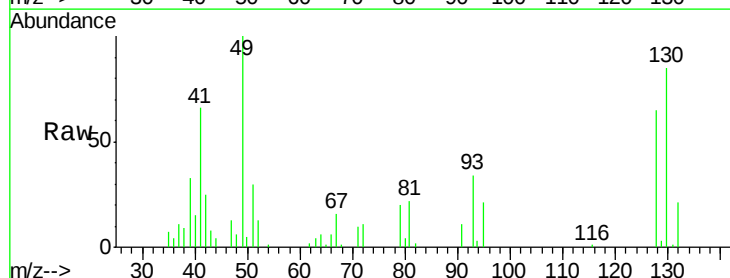
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



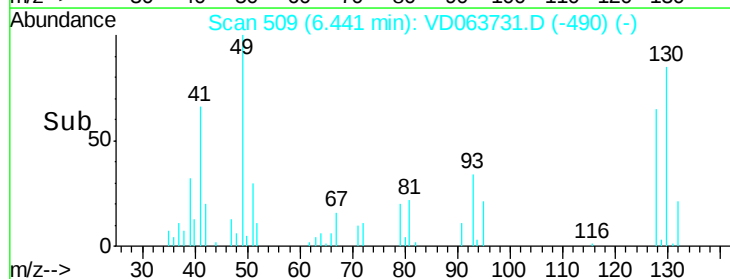
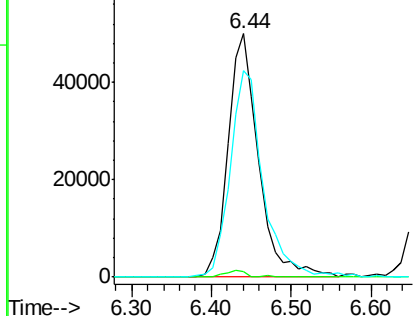
#28

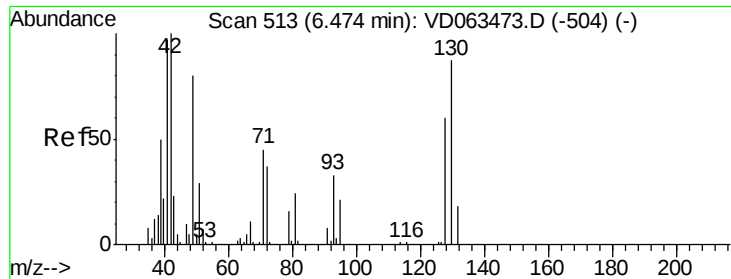
Bromochloromethane
 Concen: 24.004 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion	49	Resp	133466
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	6.4
130	85.0	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 116.528 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

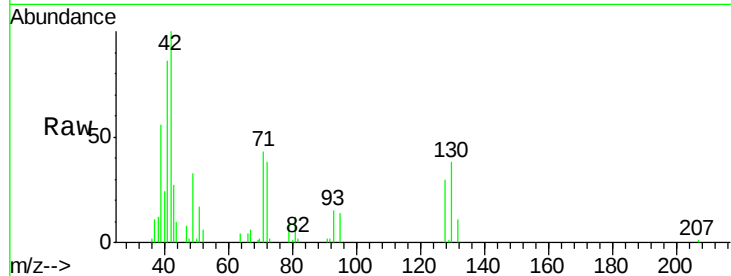
Tot Ion: 42 Resp: 102829

Ion Ratio Lower Upper

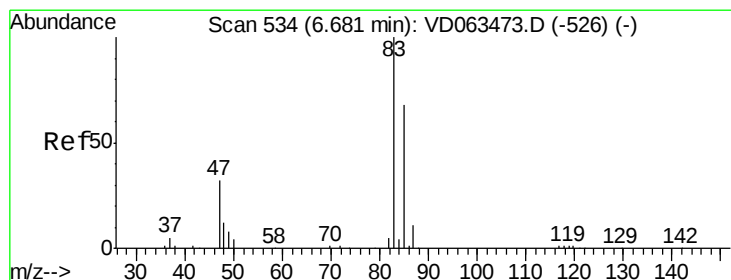
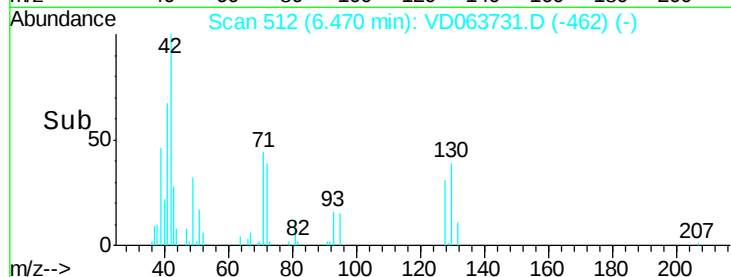
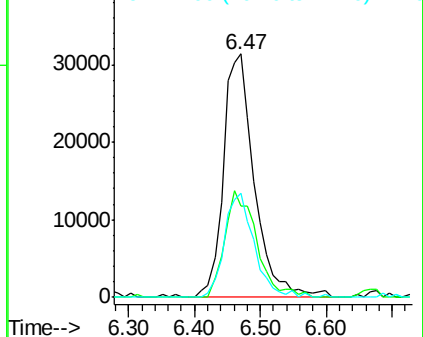
42 100

72 45.3 31.5 47.3

71 41.3 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: 23.342 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063731.D

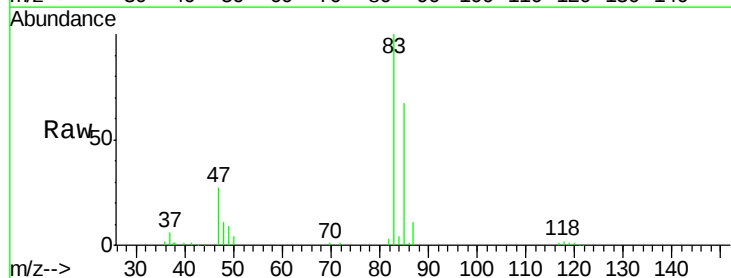
Acq: 22 Aug 2019 14:11

Tgt Ion: 83 Resp: 398039

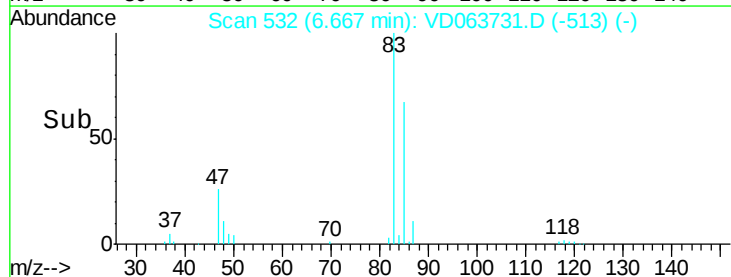
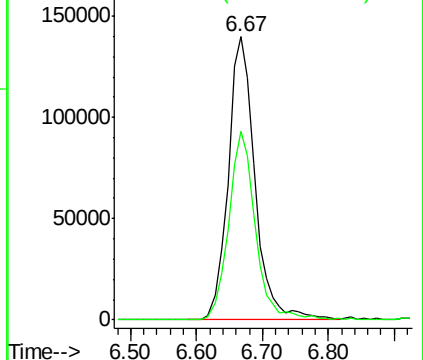
Ion Ratio Lower Upper

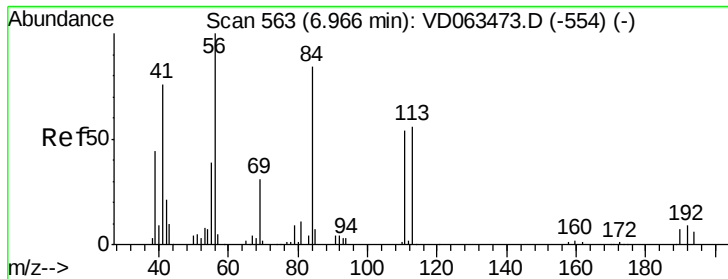
83 100

85 66.6 54.8 82.2



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

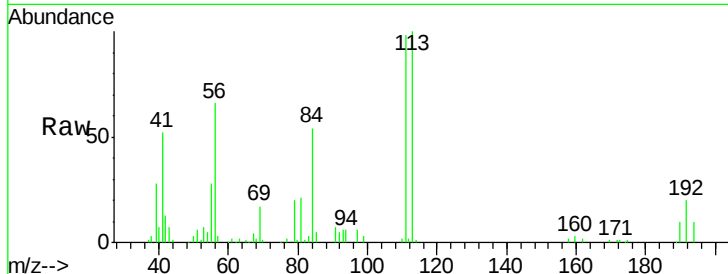




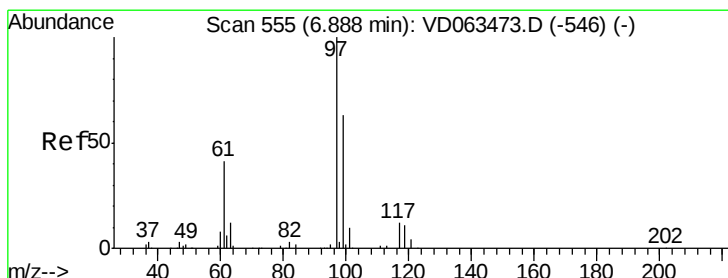
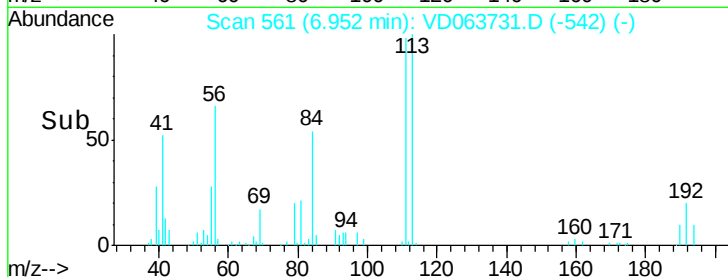
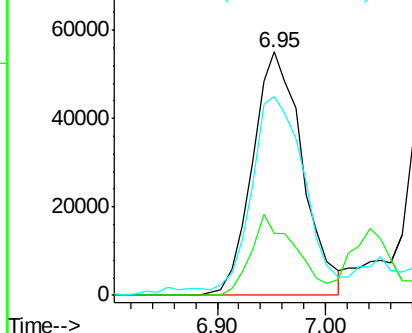
#31
Cyclohexane
Concen: 20.666 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

Tot Ion: 56 Resp: 176010
Ion Ratio Lower Upper
56 100
69 25.6 25.0 37.6
84 81.4 69.7 104.5

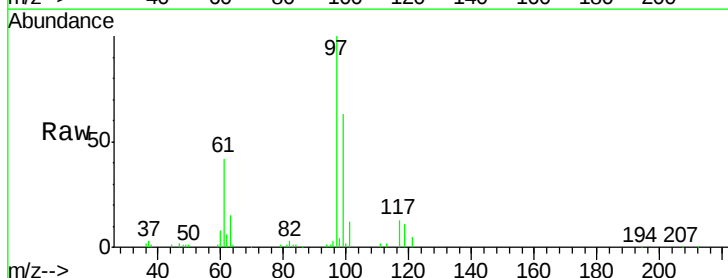


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

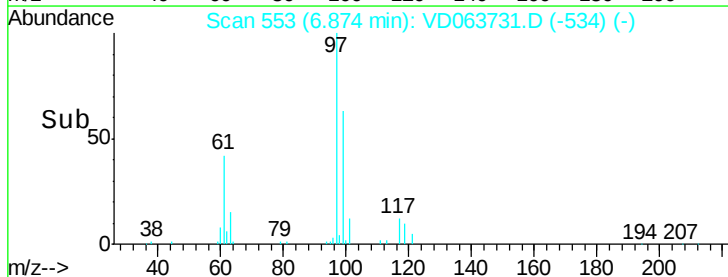
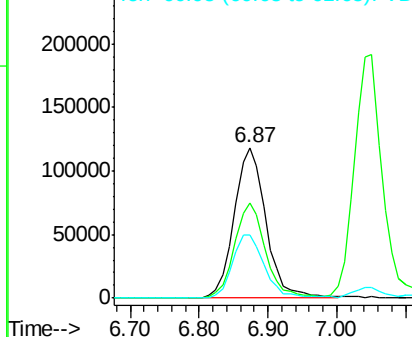


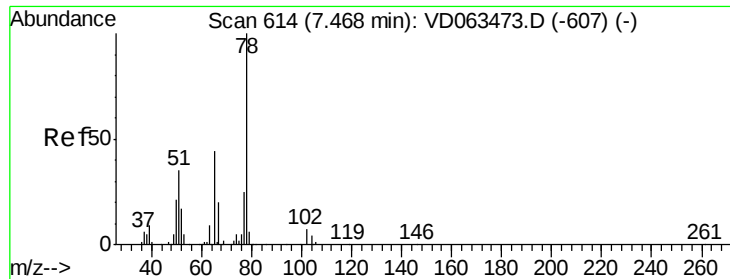
#32
1,1,1-Trichloroethane
Concen: 23.238 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion: 97 Resp: 379061
Ion Ratio Lower Upper
97 100
99 63.0 50.2 75.4
61 42.3 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

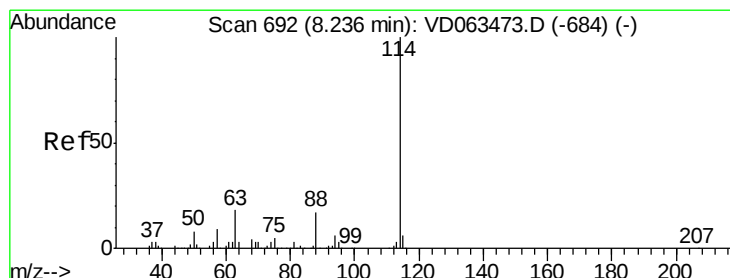
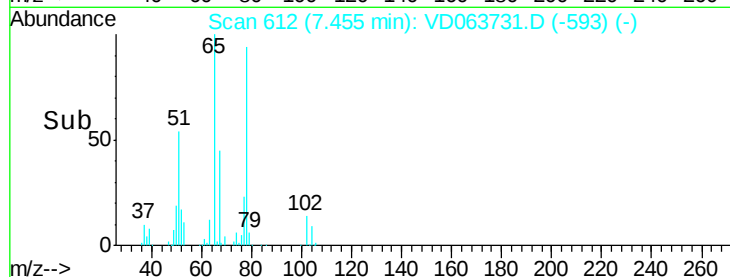
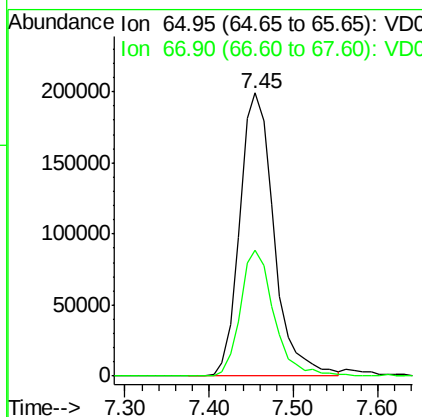
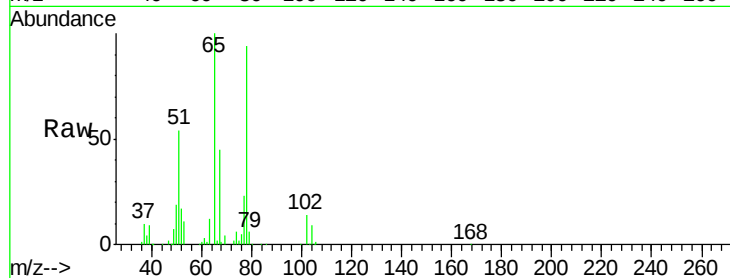




#33
 1,2-Dichloroethane-d4
 Concen: 60.110 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

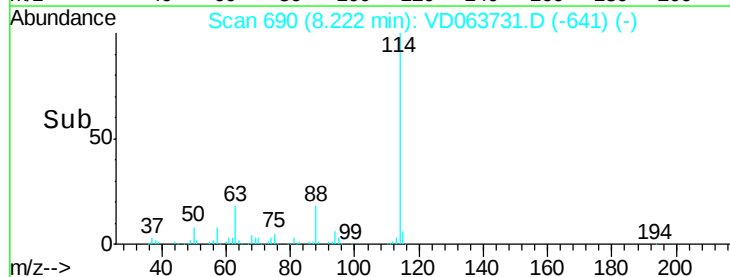
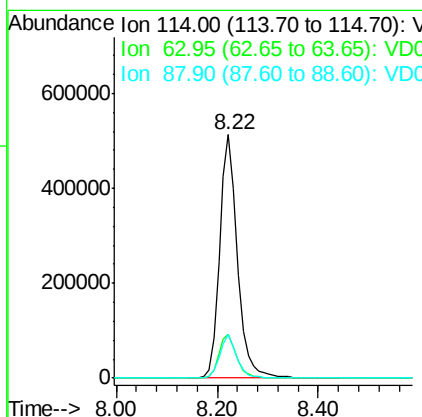
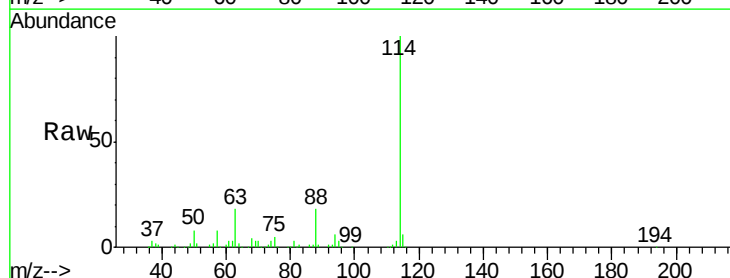
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

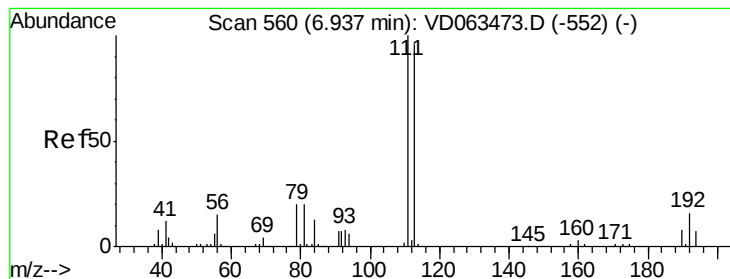
Tot Ion: 65 Resp: 566989
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 114 Resp: 1262438
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.2
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 59.912 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

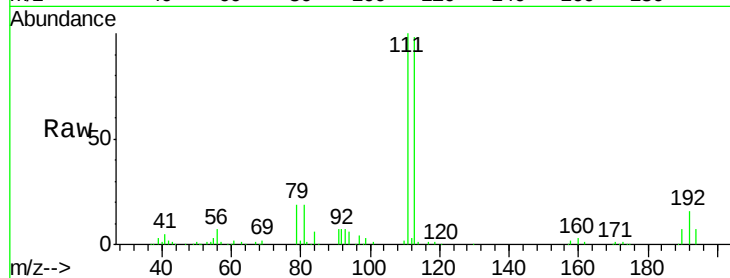
Tot Ion:113 Resp: 637007

Ion Ratio Lower Upper

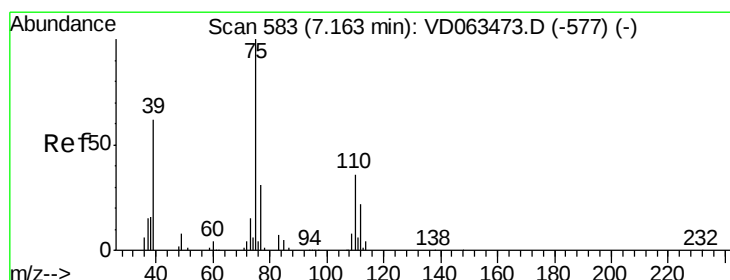
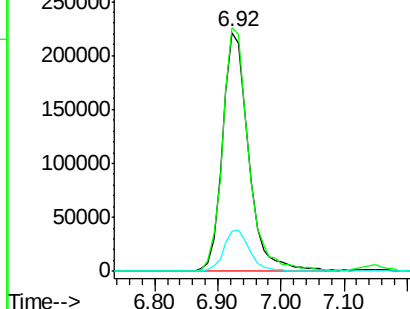
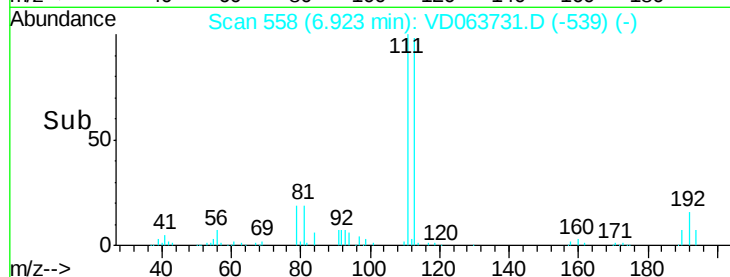
113 100

111 101.9 83.1 124.7

192 16.6 13.1 19.7



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



#36

1,1-Dichloropropene

Concen: 22.787 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

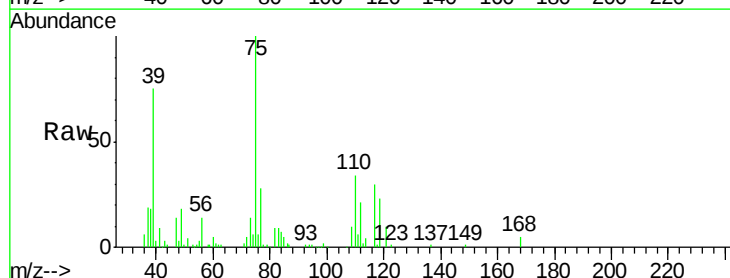
Tgt Ion: 75 Resp: 254307

Ion Ratio Lower Upper

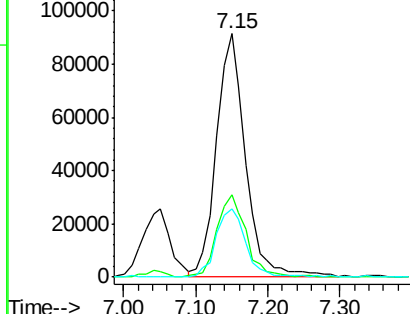
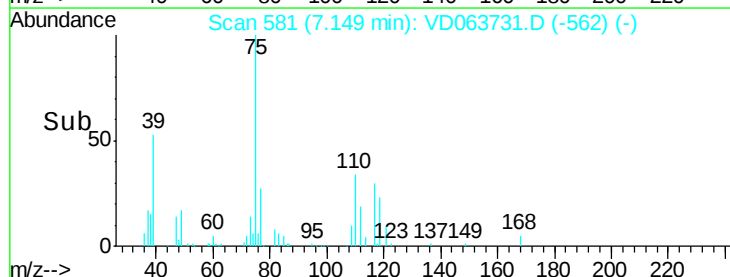
75 100

110 33.7 17.6 52.8

77 28.1 24.3 36.5



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

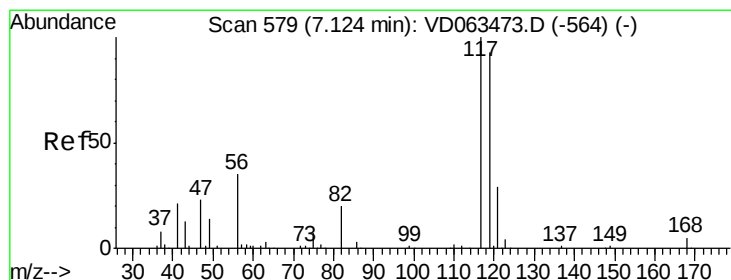
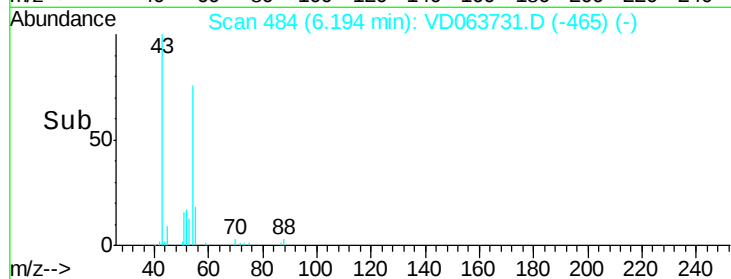
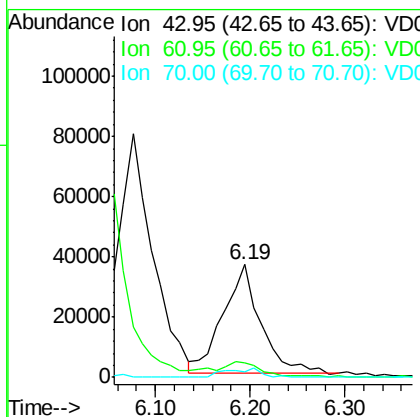
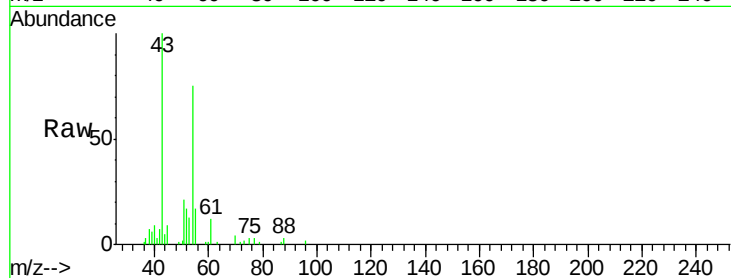




#37
 Ethyl Acetate
 Concen: 21.213 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

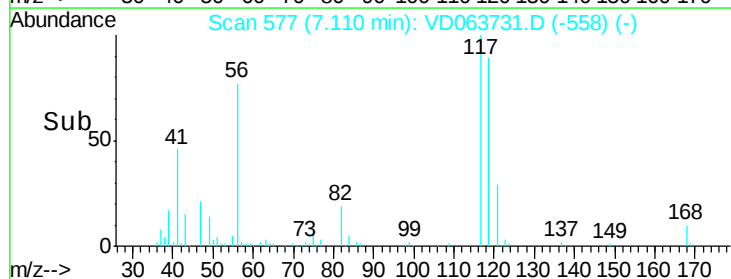
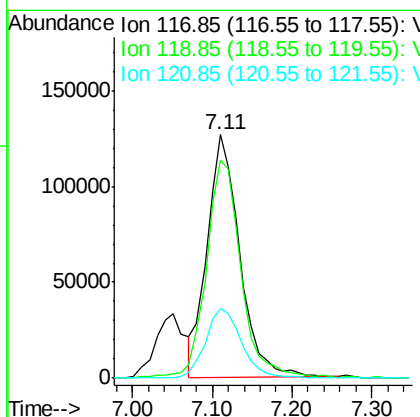
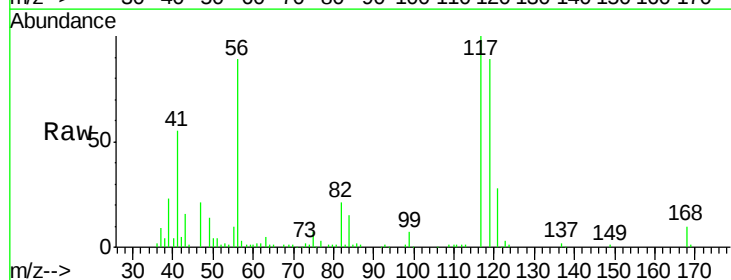
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

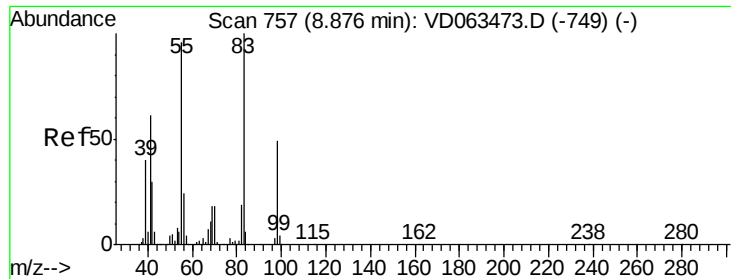
Tot Ion	43	Resp	99203
Ion Ratio	Lower	Upper	
43	100		
61	12.3	9.0	13.6
70	4.5	6.9	10.3



#38
 Carbon Tetrachloride
 Concen: 21.541 ug/l
 RT: 7.11 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion	117	Resp	362320
Ion Ratio	Lower	Upper	
117	100		
119	89.3	74.2	111.2
121	28.4	23.1	34.7

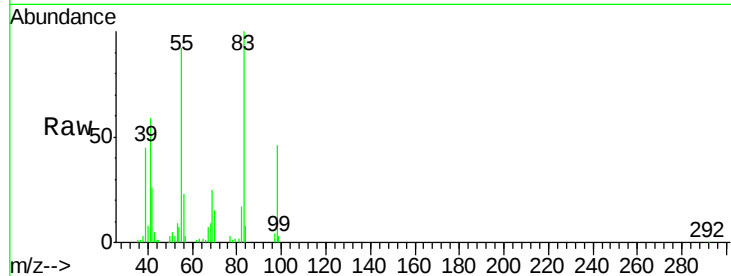




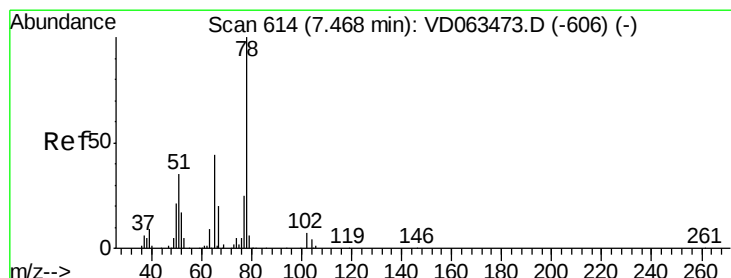
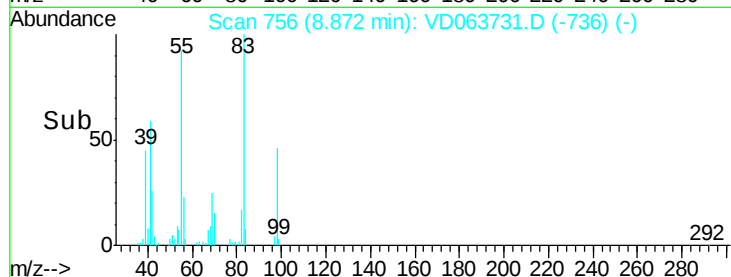
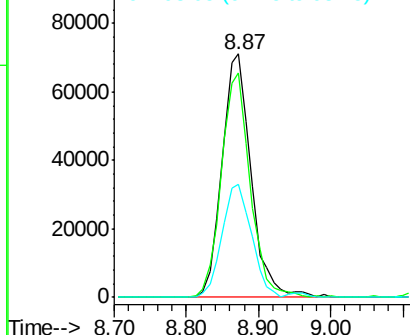
#39
Methvlcvclohexane
Concen: 20.931 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

Tot Ion: 83 Resp: 198638
Ion Ratio Lower Upper
83 100
55 91.9 76.6 114.8
98 46.4 39.4 59.0

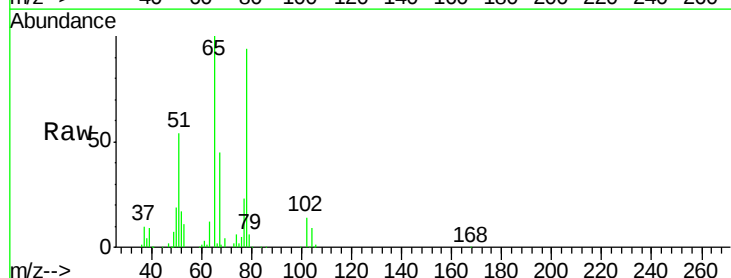


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

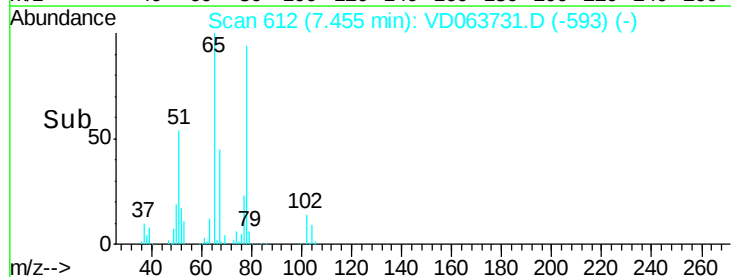
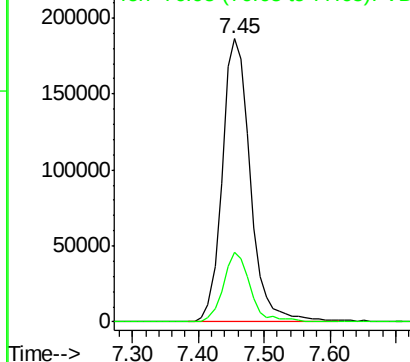


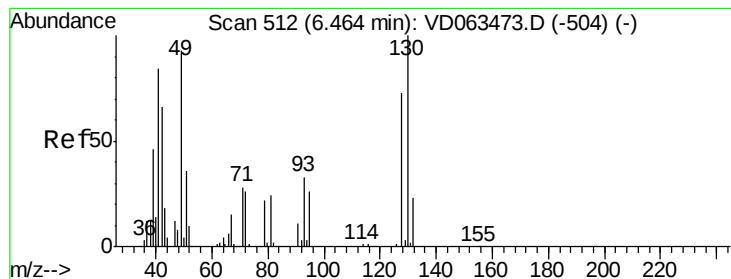
#40
Benzene
Concen: 22.583 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion: 78 Resp: 554628
Ion Ratio Lower Upper
78 100
77 24.4 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: 24.629 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

Tot Ion: 41 Resp: 145022

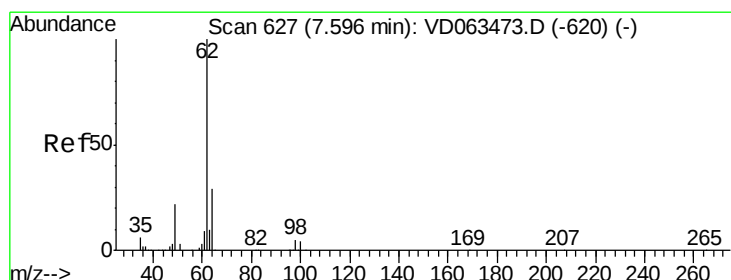
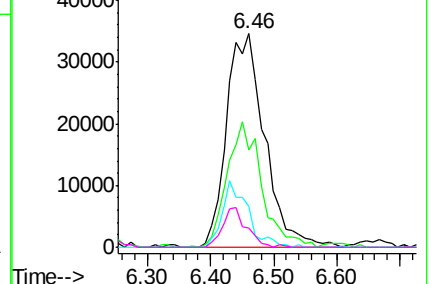
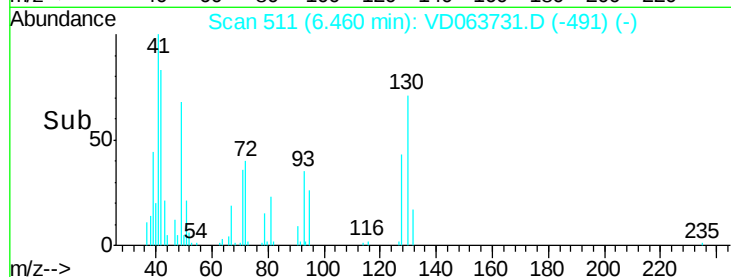
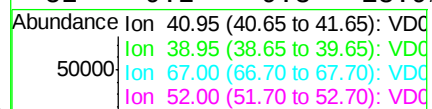
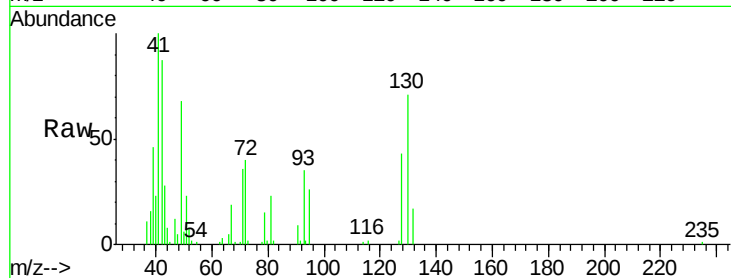
Ion Ratio Lower Upper

41 100

39 45.6 44.6 66.8

67 19.4 14.4 21.6

52 9.2 9.3 13.9#



#42

1,2-Dichloroethane

Concen: 23.561 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.01 min

Lab File: VD063731.D

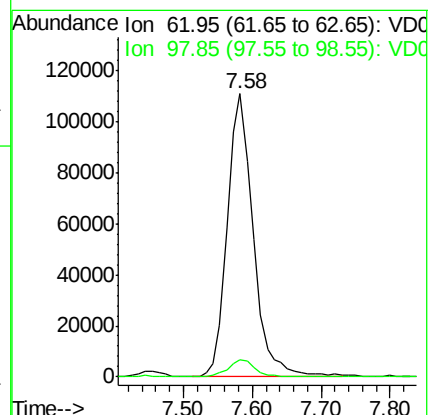
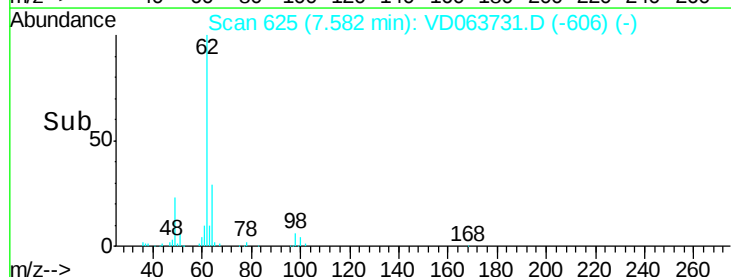
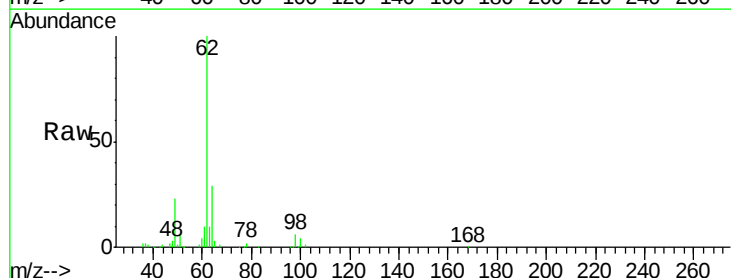
Acq: 22 Aug 2019 14:11

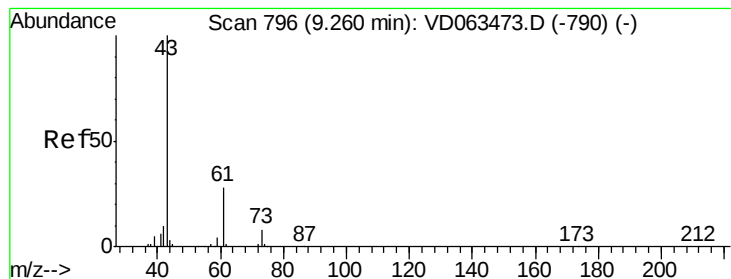
Tgt Ion: 62 Resp: 290956

Ion Ratio Lower Upper

62 100

98 6.2 0.0 10.4



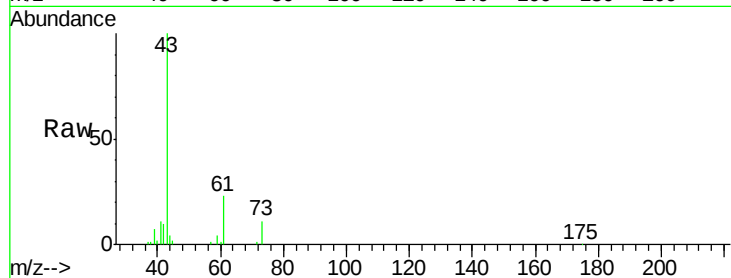


#43

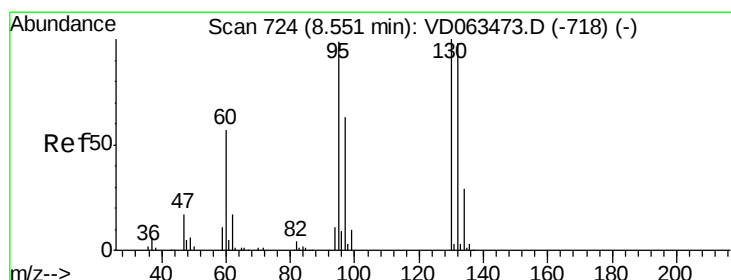
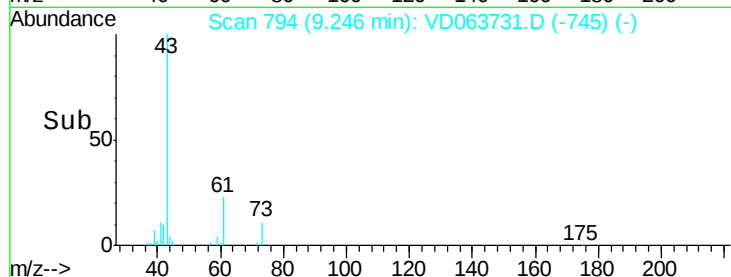
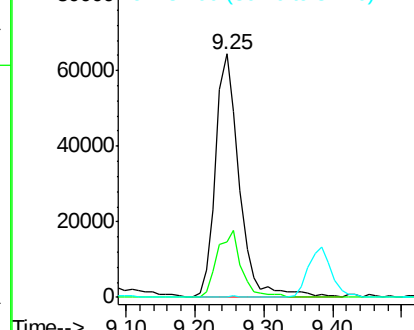
Isopropyl Acetate
 Concen: 24.767 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Tot Ion: 43 Resp: 155123
 Ion Ratio Lower Upper
 43 100
 61 22.5 22.2 33.2
 87 0.0 0.2 0.4#



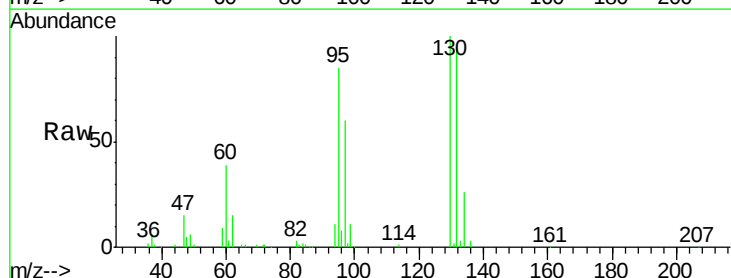
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



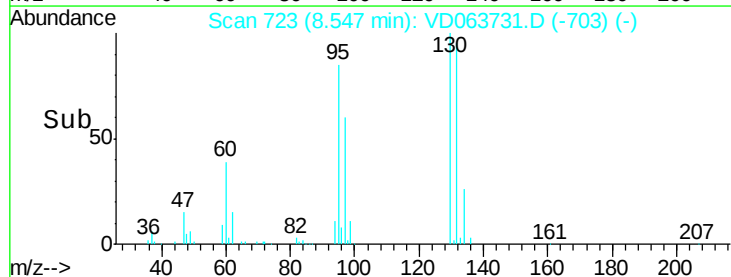
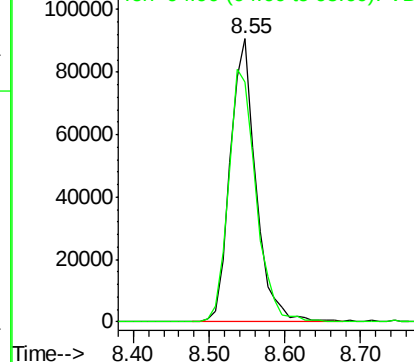
#44

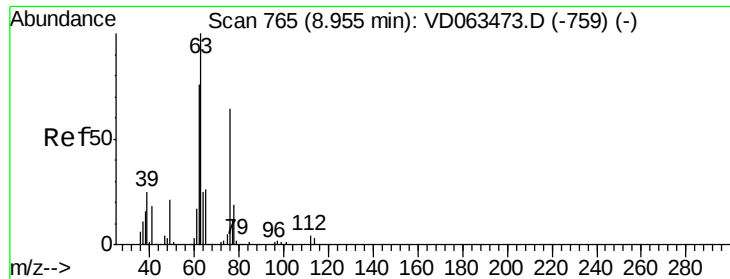
Trichloroethene
 Concen: 22.646 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 130 Resp: 212584
 Ion Ratio Lower Upper
 130 100
 95 84.8 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.842 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

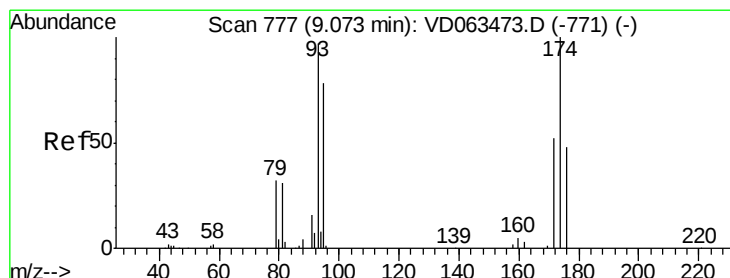
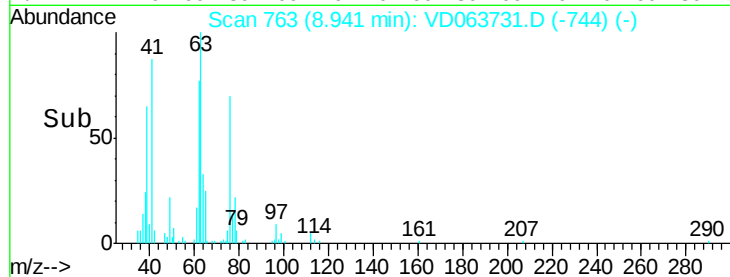
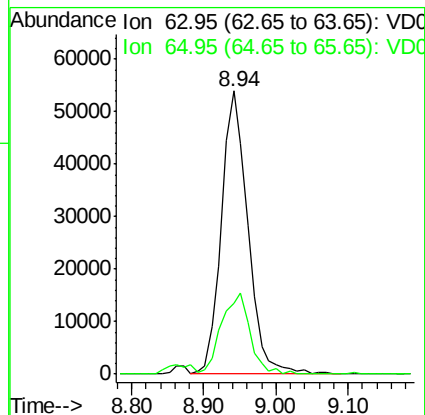
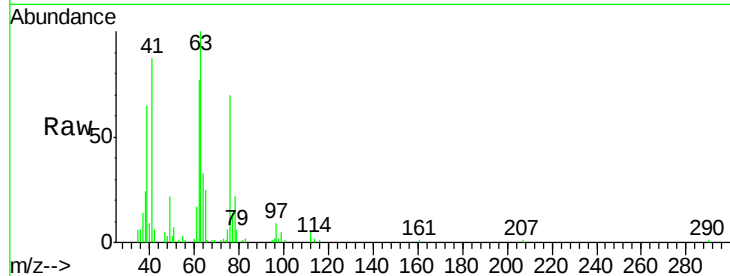
VD0822SBS01

Tot Ion: 63 Resp: 136359

Ion Ratio Lower Upper

63 100

65 25.1 22.5 33.7



#46

Dibromomethane

Concen: 24.124 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

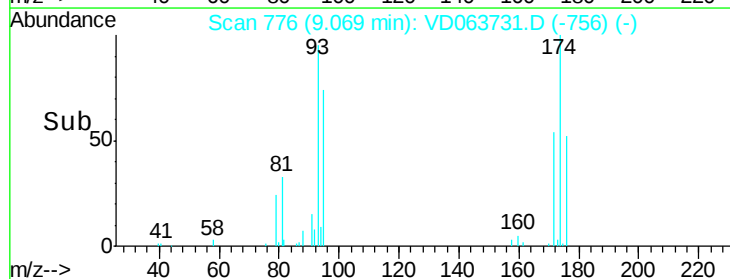
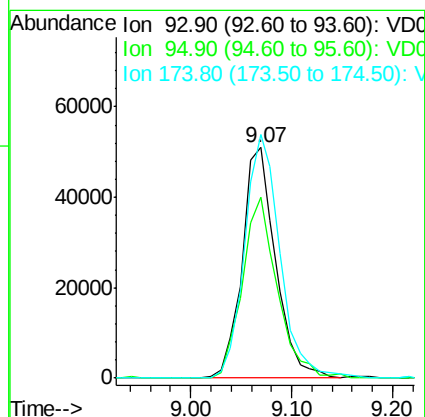
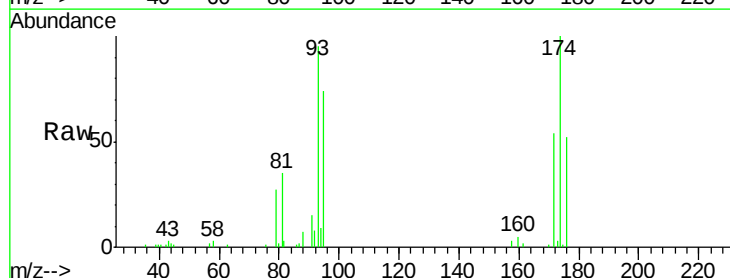
Tgt Ion: 93 Resp: 117828

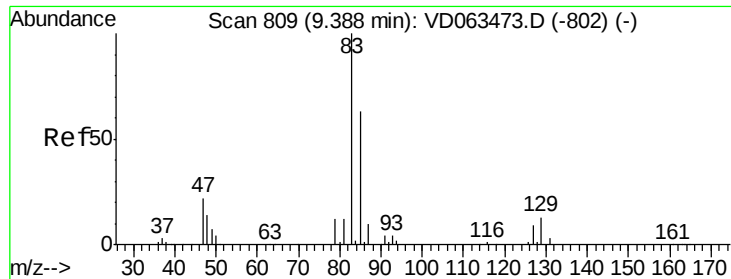
Ion Ratio Lower Upper

93 100

95 78.5 64.2 96.2

174 105.6 82.1 123.1





#47

Bromodichloromethane

Concen: 24.370 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

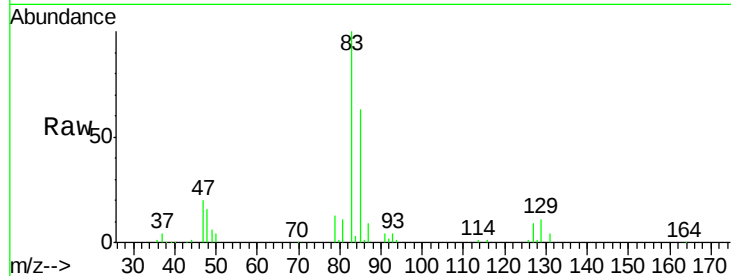
Tot Ion: 83 Resp: 305324

Ion Ratio Lower Upper

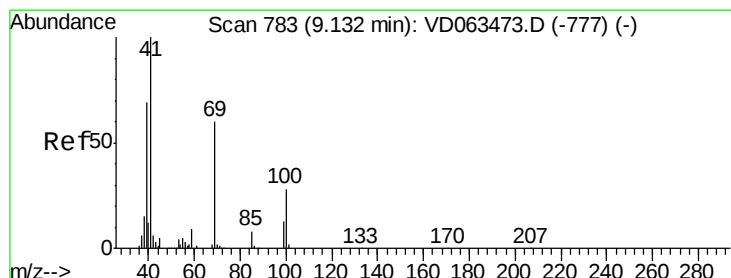
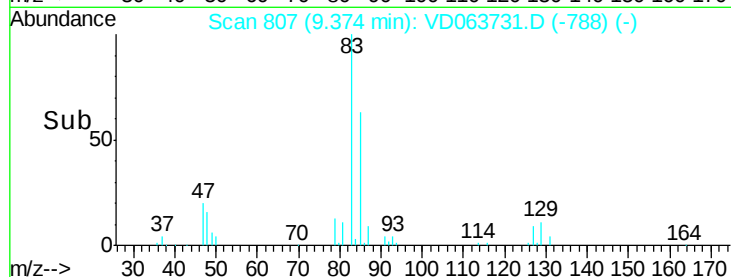
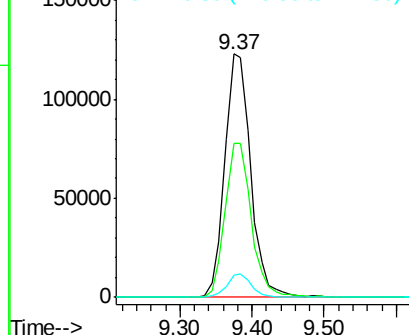
83 100

85 63.3 50.1 75.1

127 9.0 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: 22.317 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

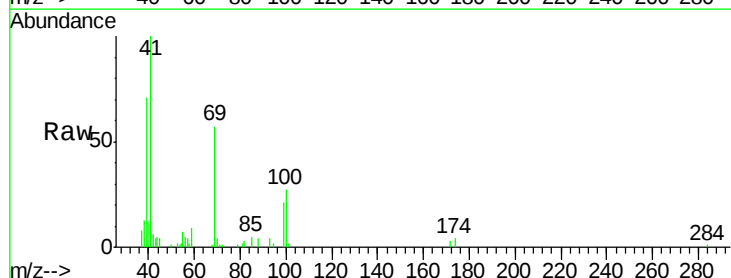
Tgt Ion: 41 Resp: 94793

Ion Ratio Lower Upper

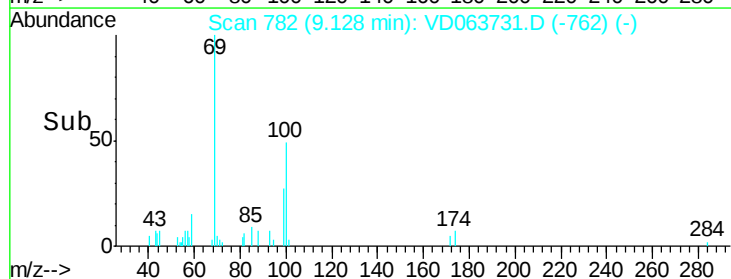
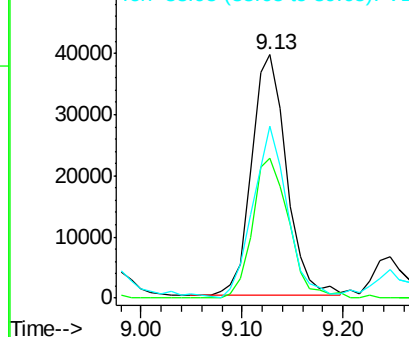
41 100

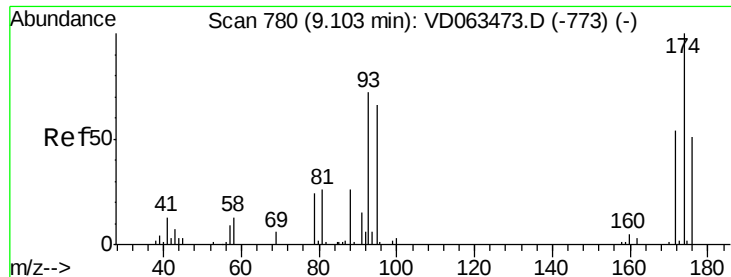
69 57.3 47.6 71.4

39 70.8 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

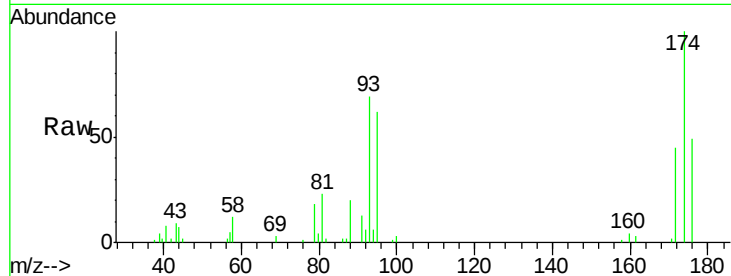




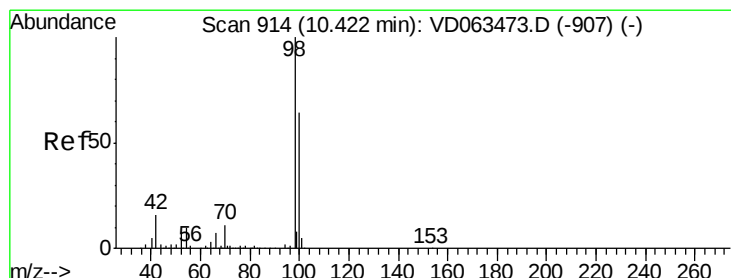
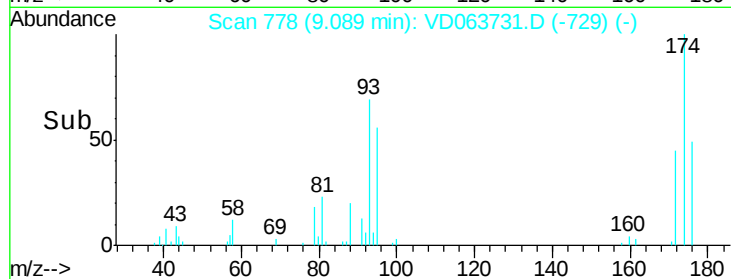
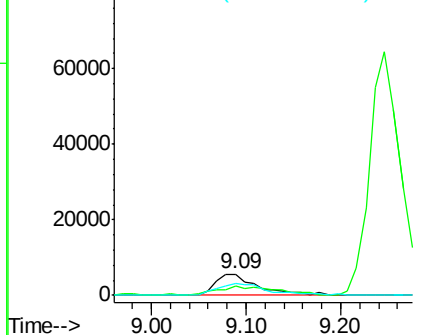
#49
1,4-Dioxane
Concen: 463.226 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

Tot Ion: 88 Resp: 17054
Ion Ratio Lower Upper
88 100
43 43.1 22.9 34.3#
58 58.2 40.1 60.1

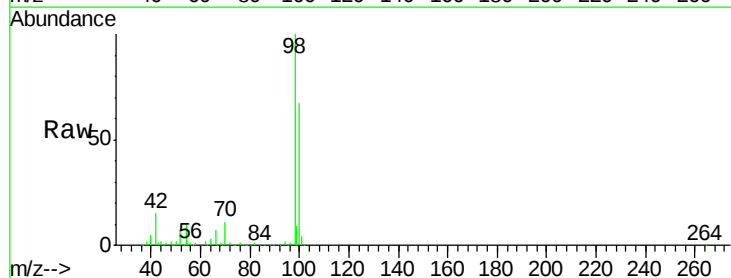


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

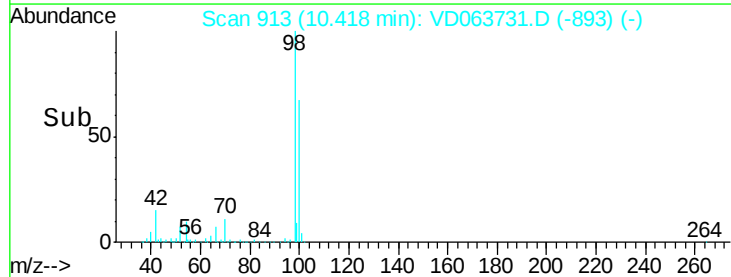
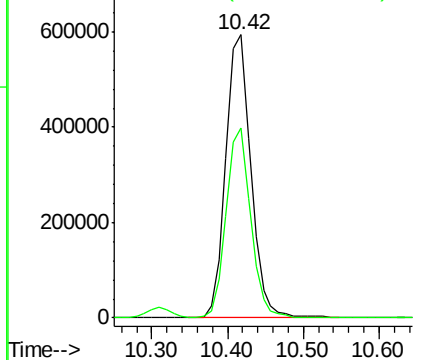


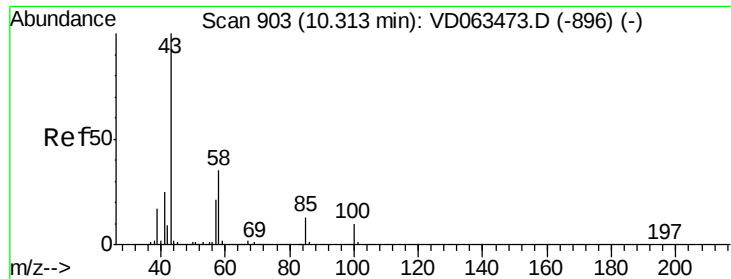
#50
Toluene-d8
Concen: 58.424 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion: 98 Resp: 1365689
Ion Ratio Lower Upper
98 100
100 67.1 51.7 77.5



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

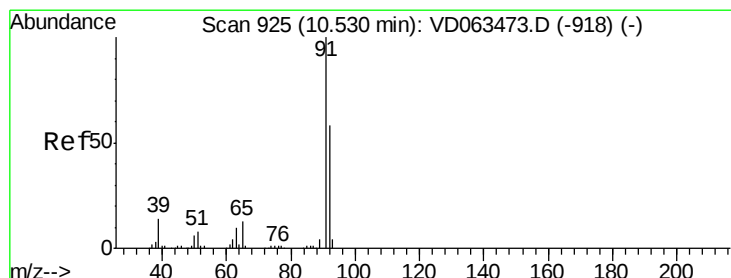
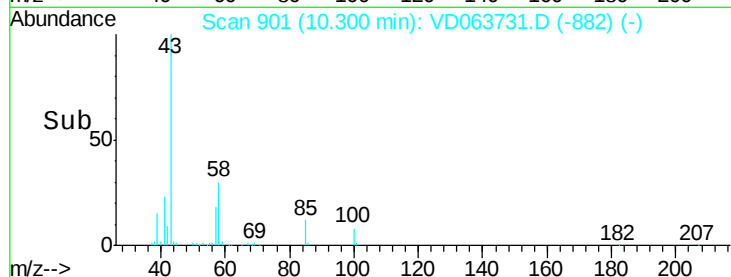
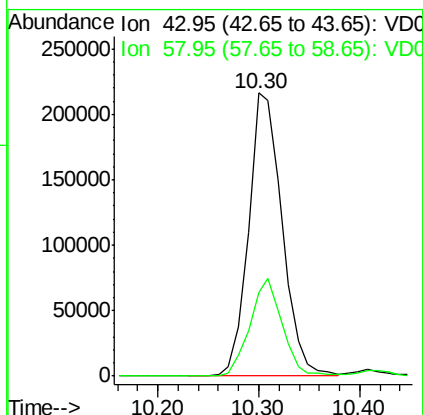
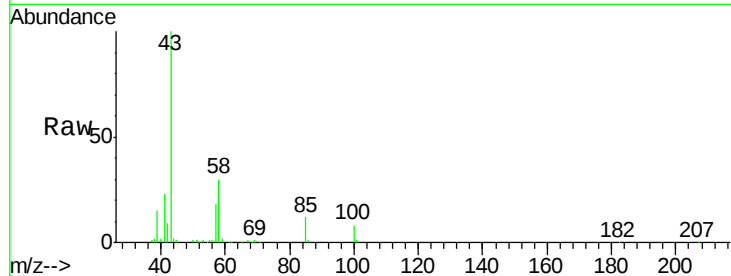




#51
 4-Methyl-2-Pentanone
 Concen: 117.062 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

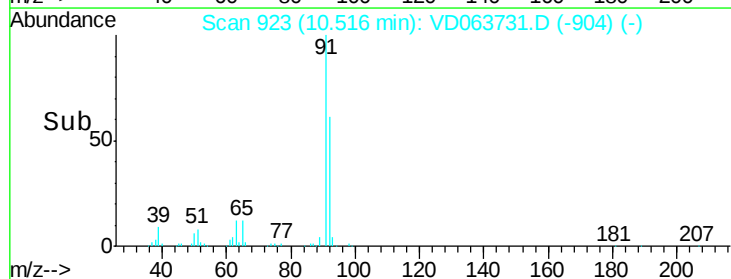
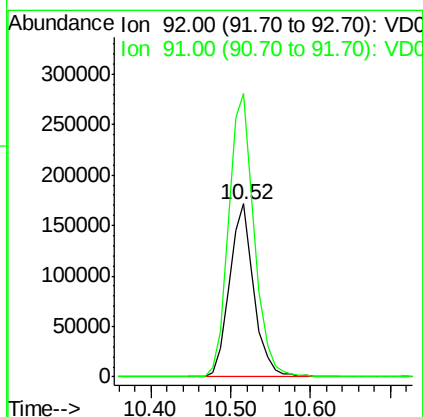
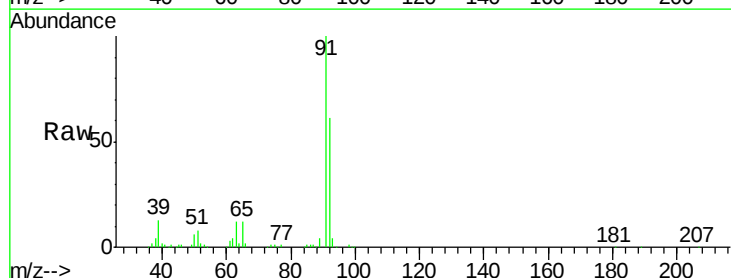
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

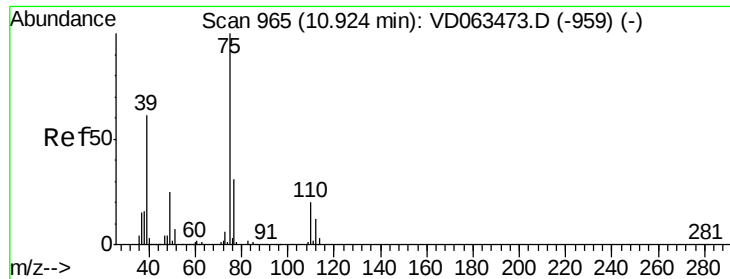
Tot Ion: 43 Resp: 501707
 Ion Ratio Lower Upper
 43 100
 58 29.7 28.0 42.0



#52
 Toluene
 Concen: 23.148 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 92 Resp: 366182
 Ion Ratio Lower Upper
 92 100
 91 163.4 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 23.899 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

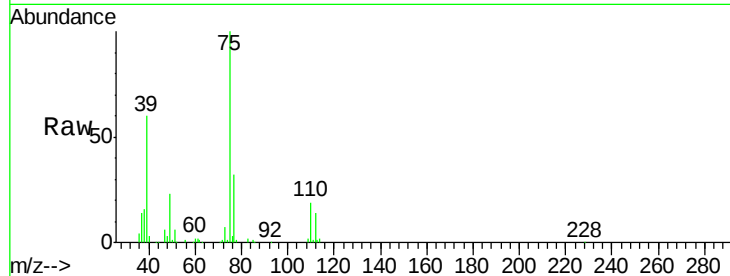
VD0822SBSD01

Tot Ion: 75 Resp: 244353

Ion Ratio Lower Upper

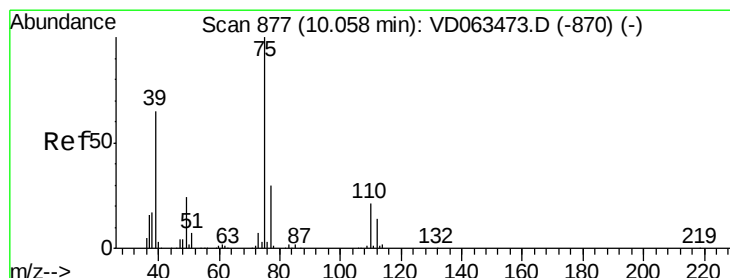
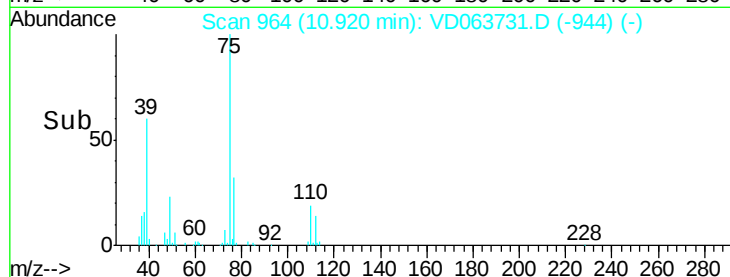
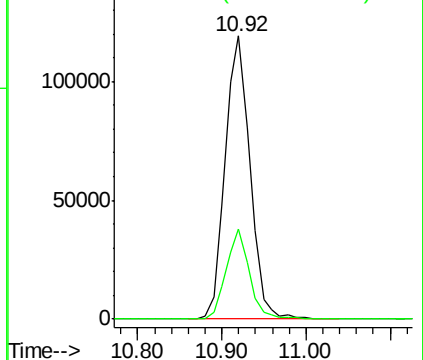
75 100

77 31.8 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.998 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

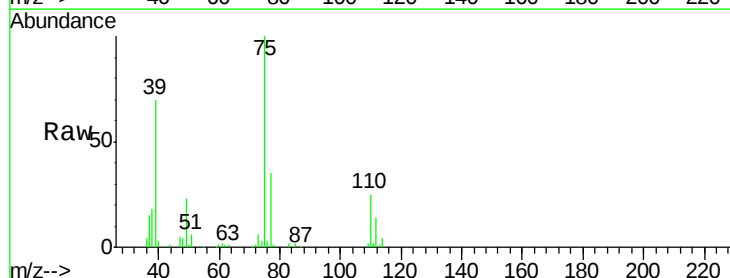
Tgt Ion: 75 Resp: 265143

Ion Ratio Lower Upper

75 100

77 35.1 23.7 35.5

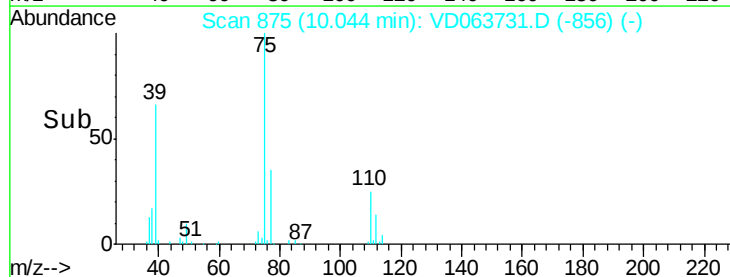
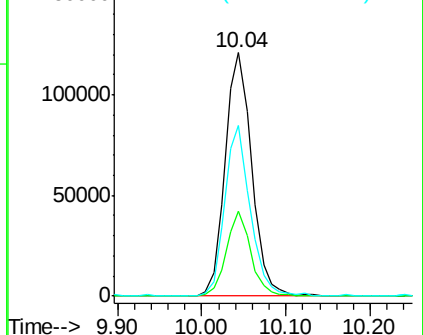
39 70.0 52.2 78.4

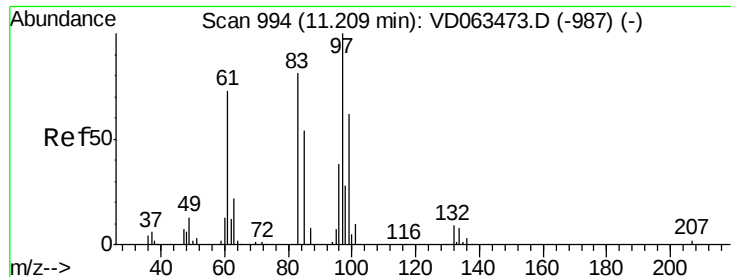


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

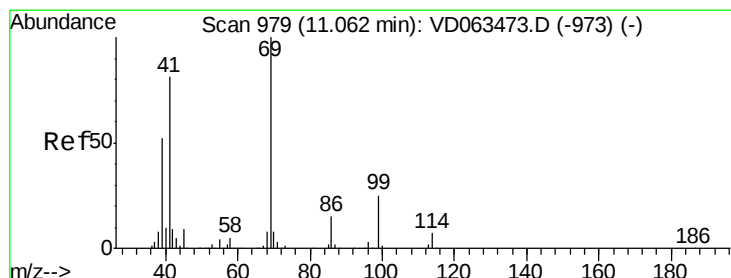
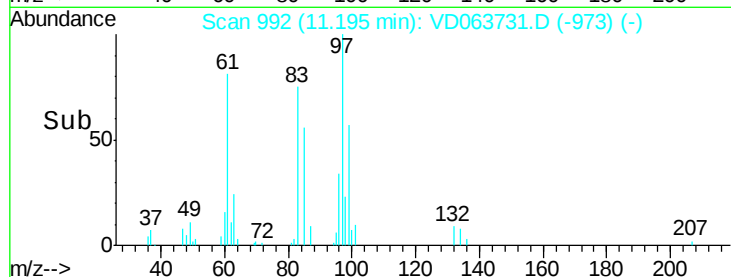
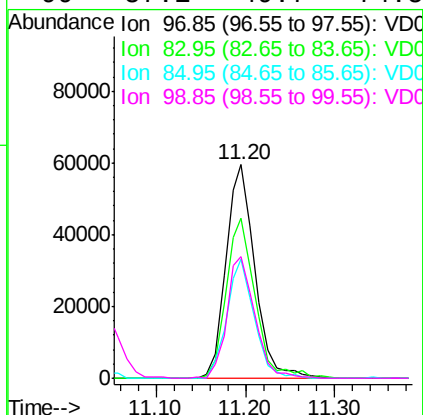
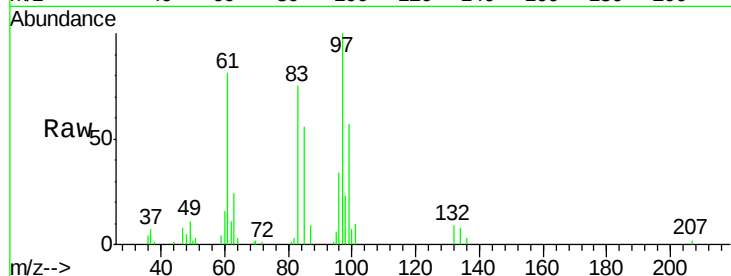




#55
 1,1,2-Trichloroethane
 Concen: 25.322 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

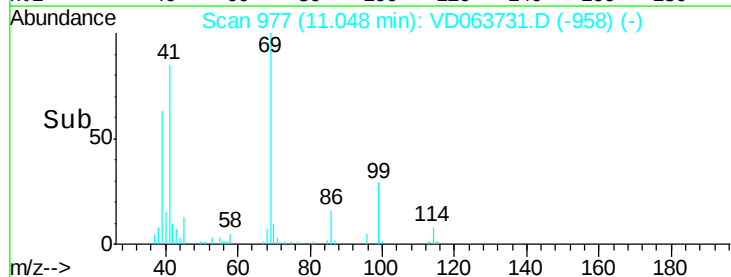
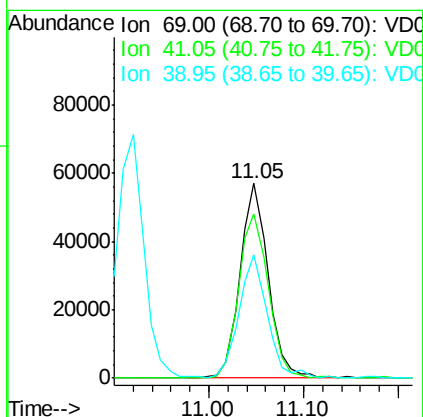
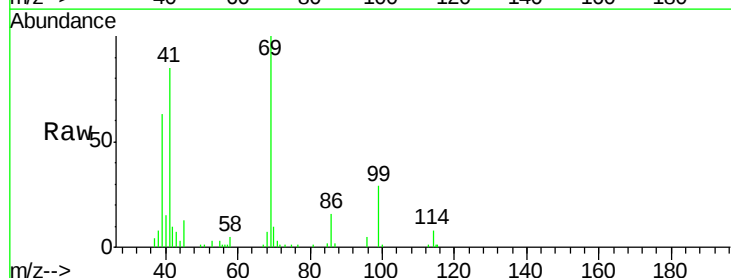
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

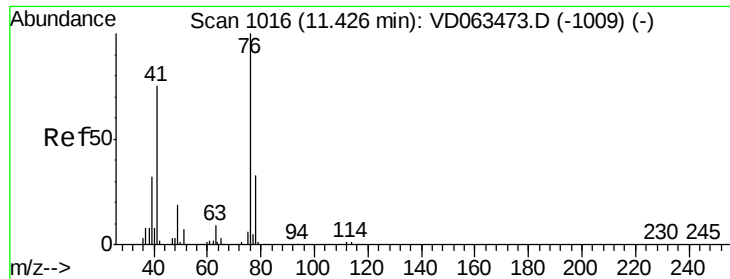
Tot Ion: 97 Resp: 135310
 Ion Ratio Lower Upper
 97 100
 83 75.2 64.7 97.1
 85 55.9 42.9 64.3
 99 57.1 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 20.197 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 69 Resp: 117139
 Ion Ratio Lower Upper
 69 100
 41 84.7 64.8 97.2
 39 63.4 42.4 63.6

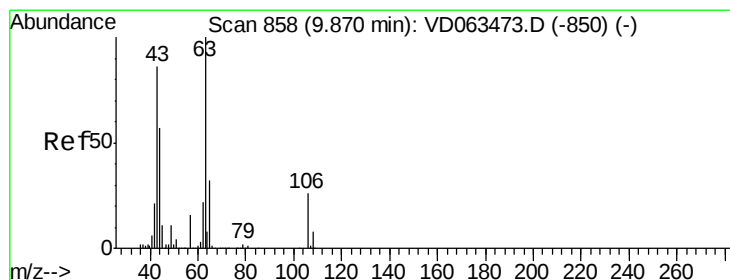
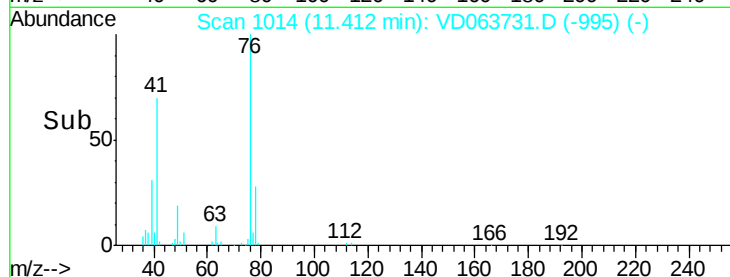
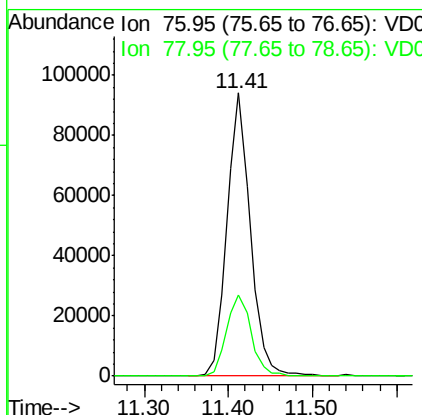
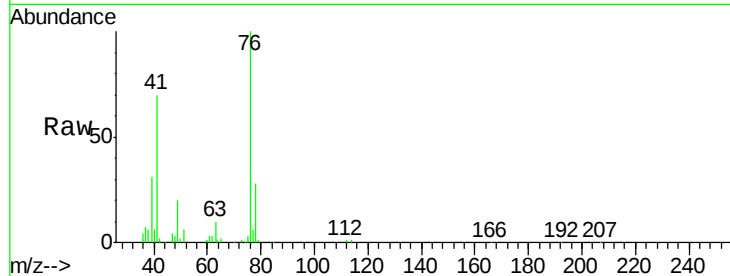




#57
 1,3-Dichloropropane
 Concen: 22.366 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

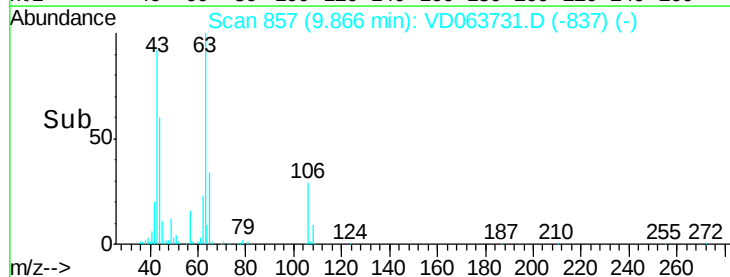
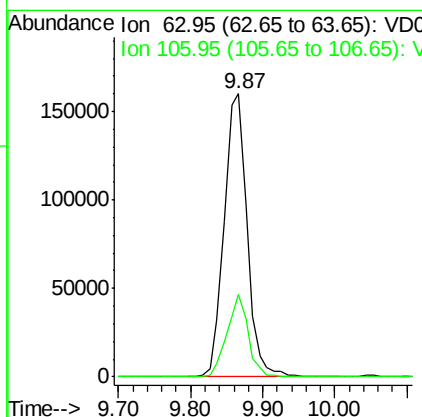
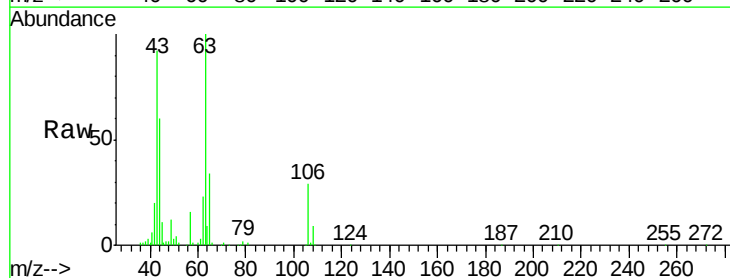
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

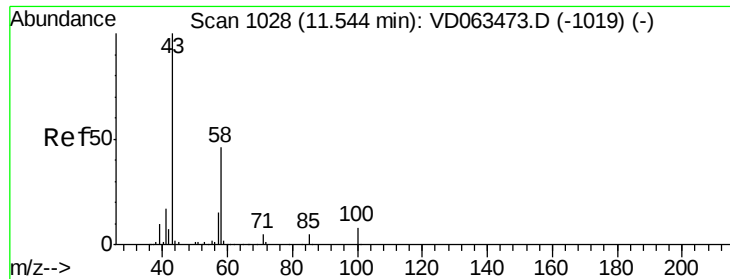
Tot Ion: 76 Resp: 180657
 Ion Ratio Lower Upper
 76 100
 78 28.5 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.295 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 63 Resp: 353026
 Ion Ratio Lower Upper
 63 100
 106 28.9 20.8 31.2

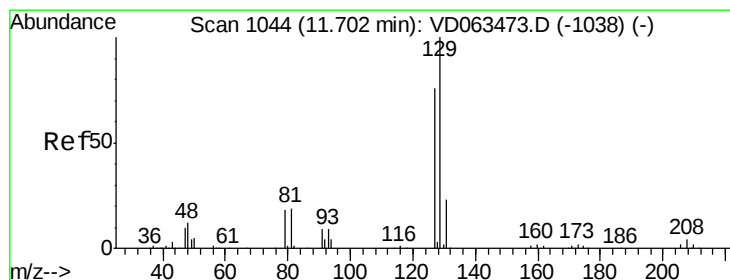
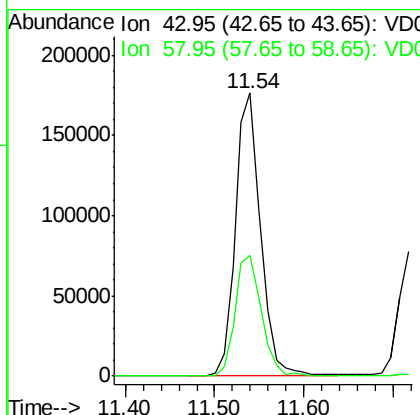
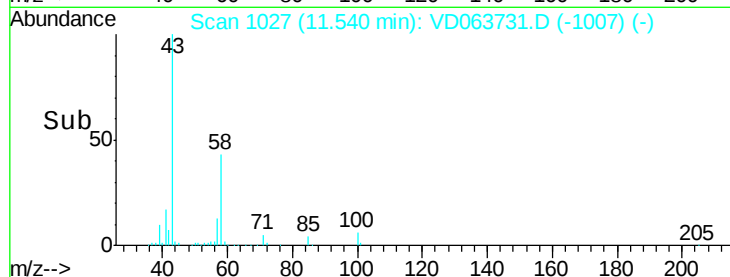
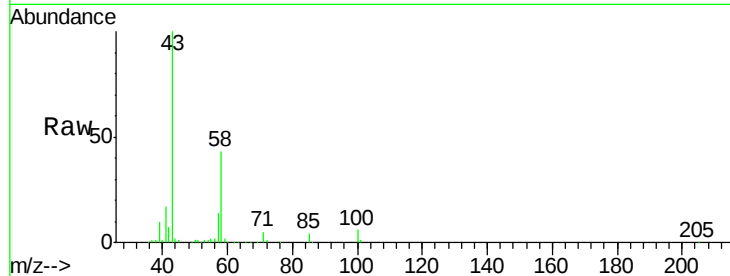




#59
2-Hexanone
Concen: 111.248 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

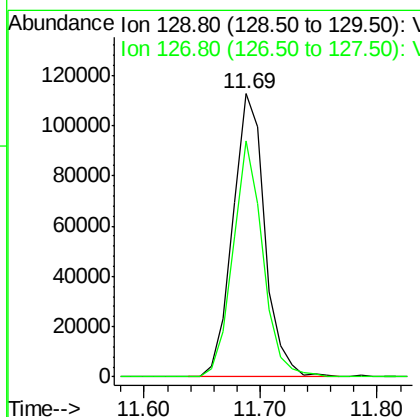
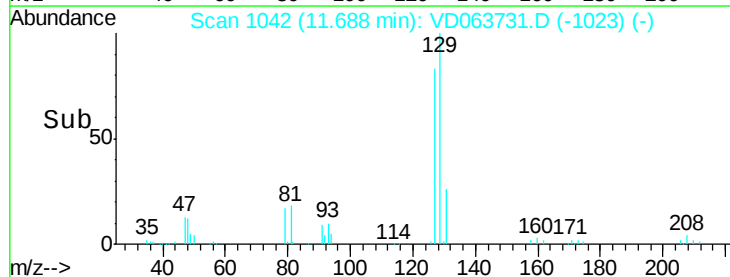
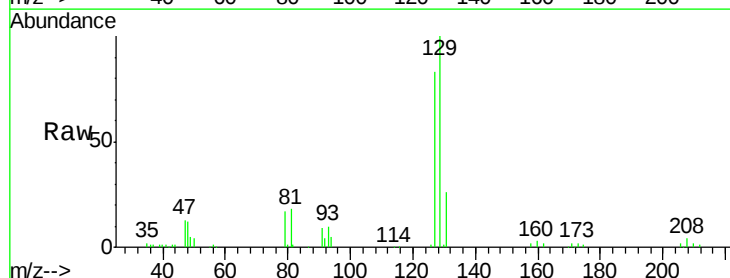
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

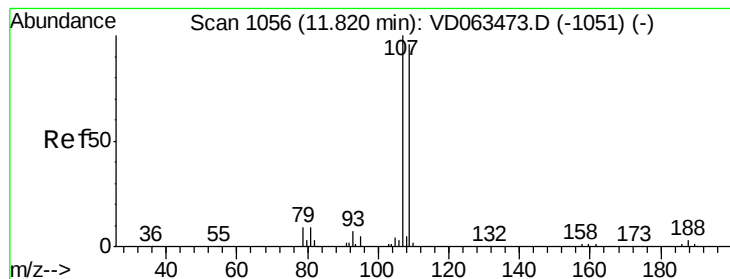
Tot Ion: 43 Resp: 346923
Ion Ratio Lower Upper
43 100
58 42.7 23.1 69.2



#60
Dibromochloromethane
Concen: 22.021 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion: 129 Resp: 214121
Ion Ratio Lower Upper
129 100
127 83.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 23.997 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

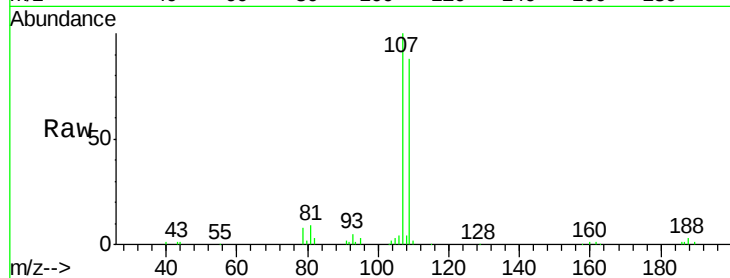
VD0822SBSD01

Tot Ion: 107 Resp: 155228

Ion Ratio Lower Upper

107 100

109 88.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

80000

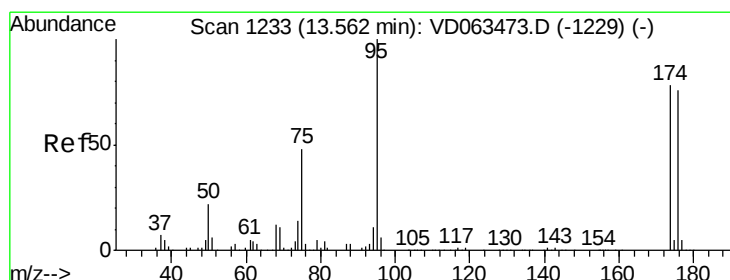
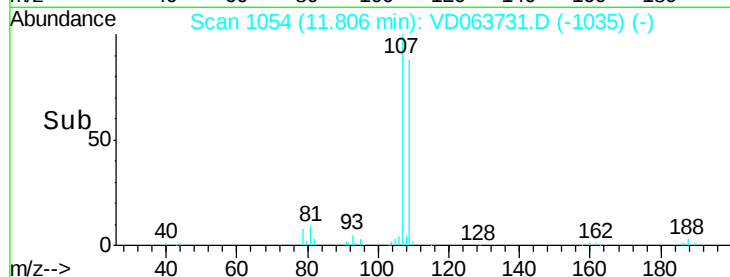
60000

40000

20000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 51.776 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

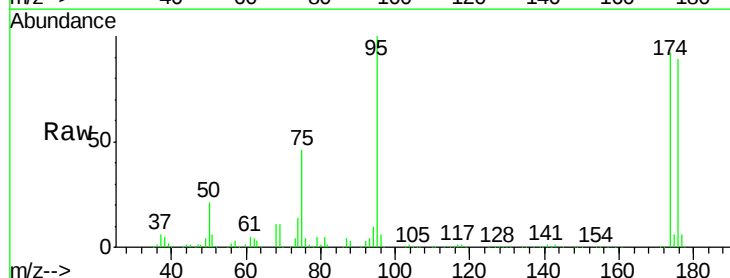
Tgt Ion: 95 Resp: 548555

Ion Ratio Lower Upper

95 100

174 92.2 0.0 155.4

176 89.0 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.56

500000

400000

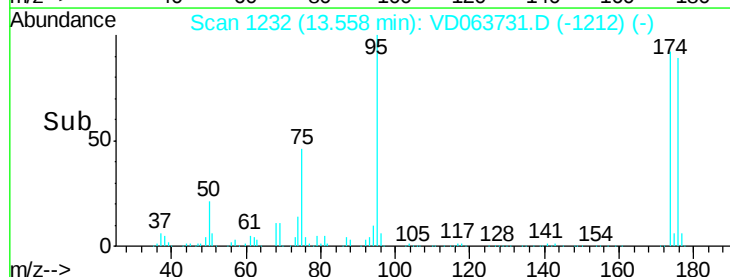
300000

200000

100000

0

Time--> 13.50 13.60

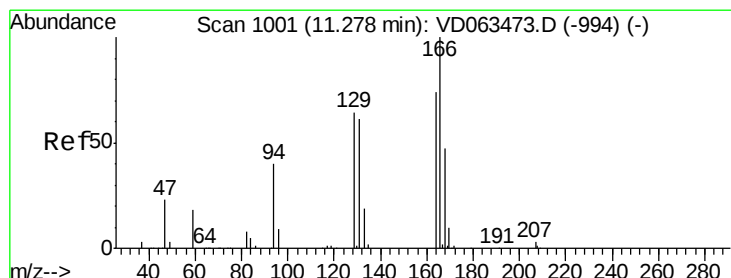
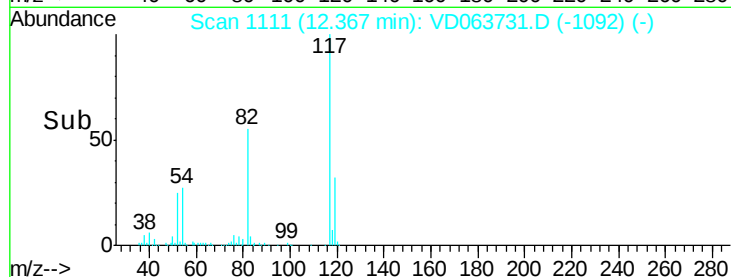
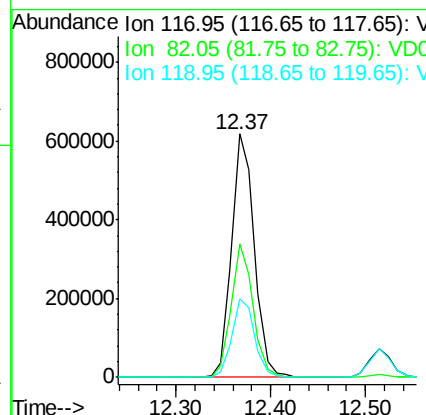
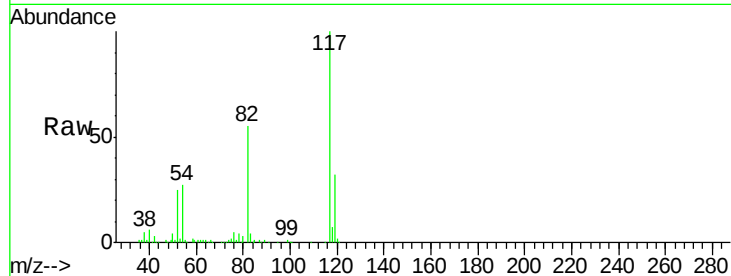




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

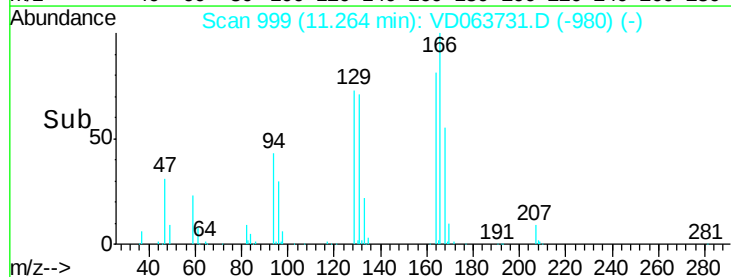
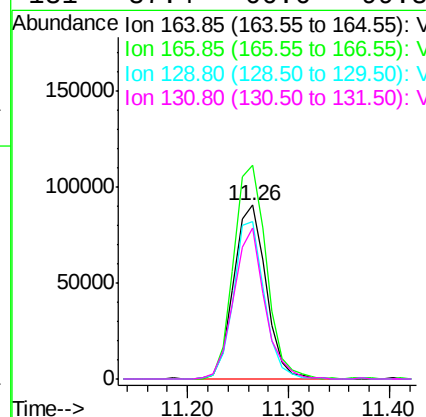
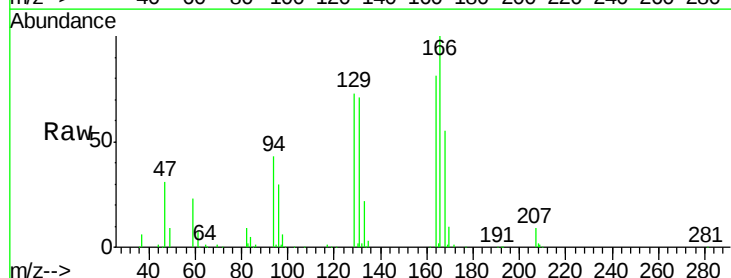
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

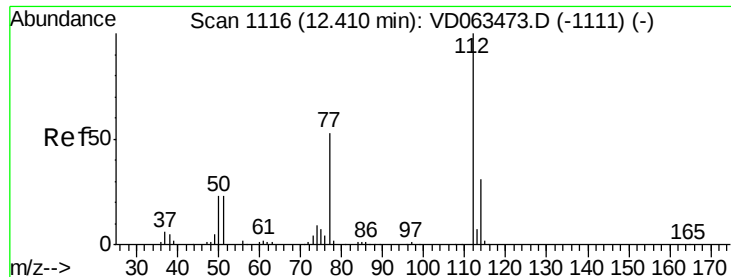
Tot Ion:117 Resp: 1025087
Ion Ratio Lower Upper
117 100
82 55.0 42.0 63.0
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 25.437 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion:164 Resp: 201294
Ion Ratio Lower Upper
164 100
166 123.1 108.6 163.0
129 90.5 69.0 103.6
131 87.4 66.6 99.8

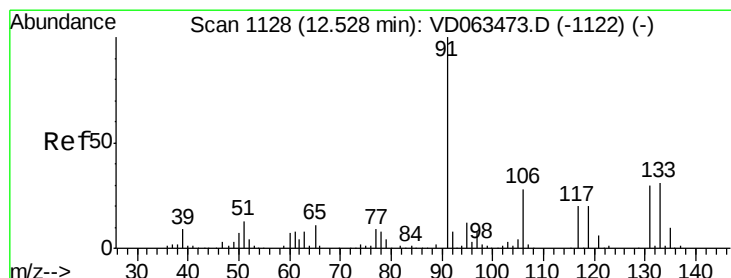
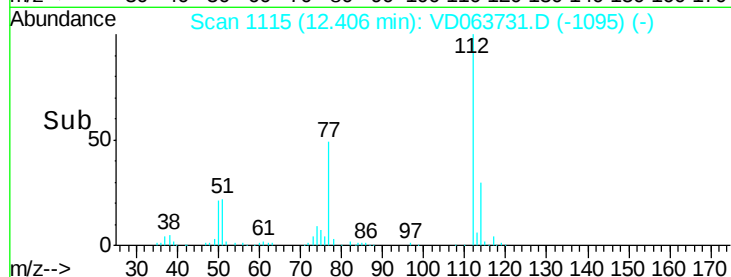
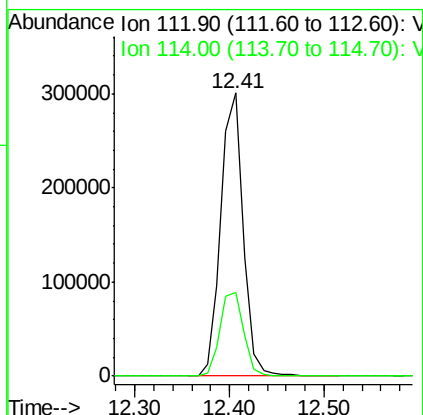
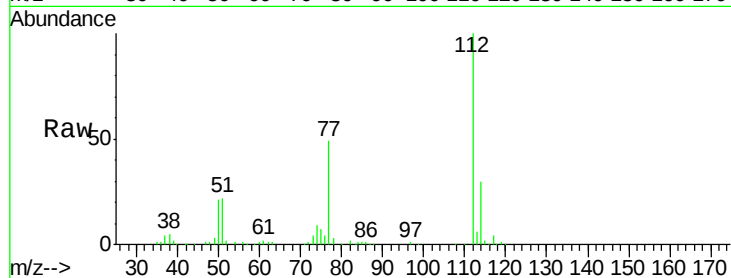




#65
Chlorobenzene
Concen: 25.649 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

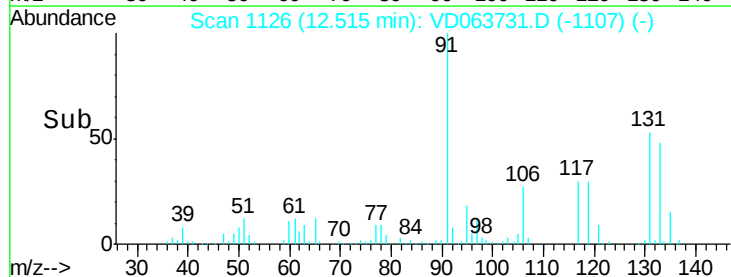
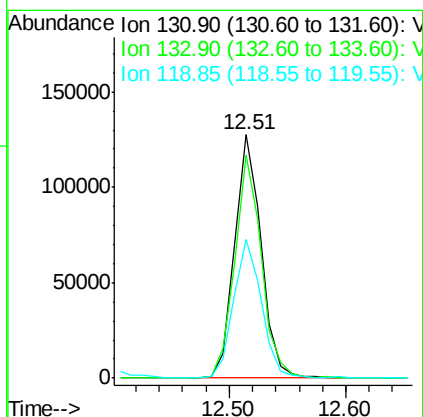
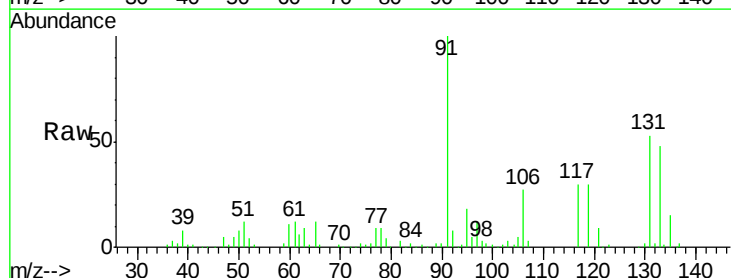
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

Tot Ion:112 Resp: 492786
Ion Ratio Lower Upper
112 100
114 29.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.746 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion:131 Resp: 200782
Ion Ratio Lower Upper
131 100
133 91.4 51.1 153.3
119 57.1 33.1 99.3

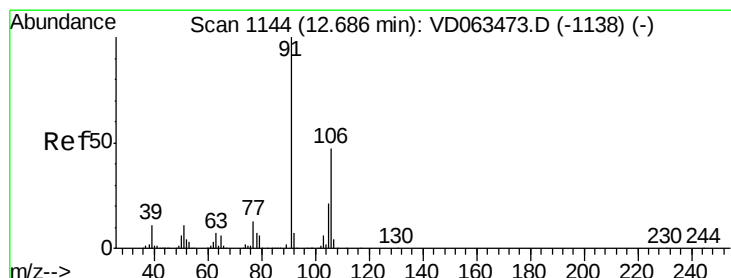
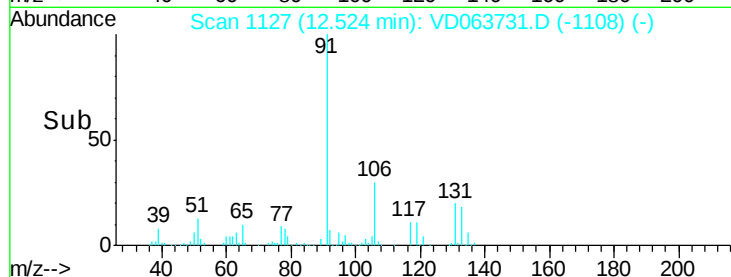
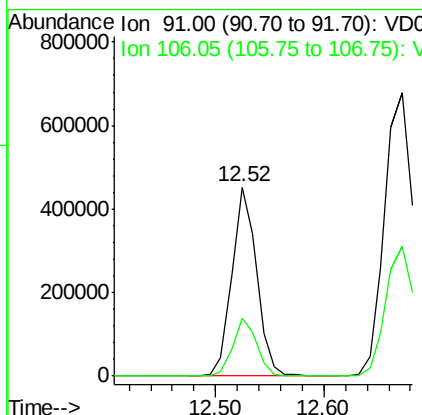
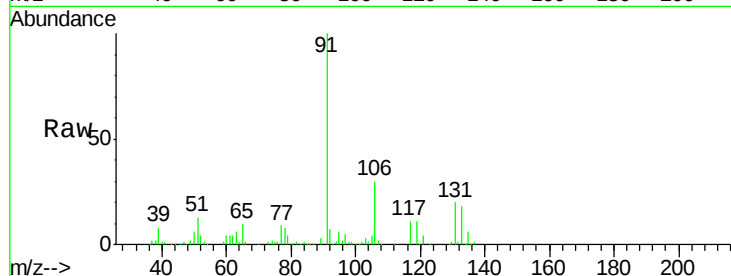




#67
Ethyl Benzene
Concen: 21.645 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

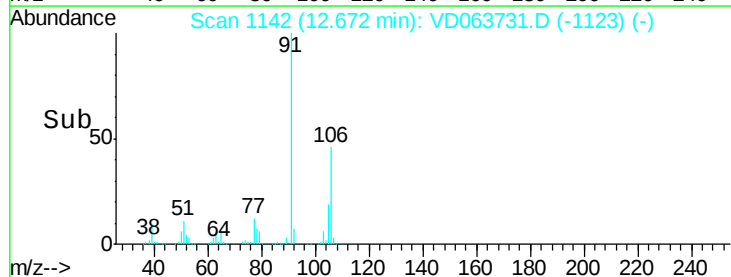
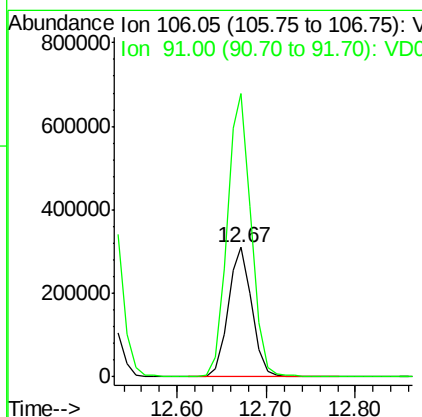
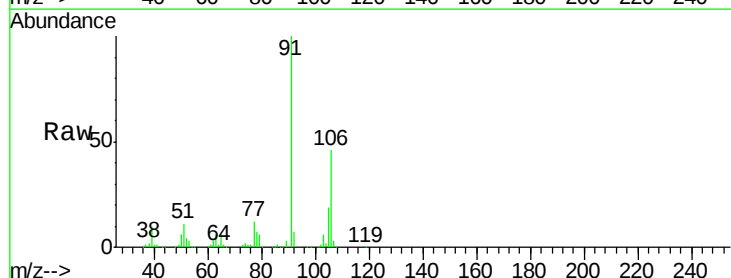
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

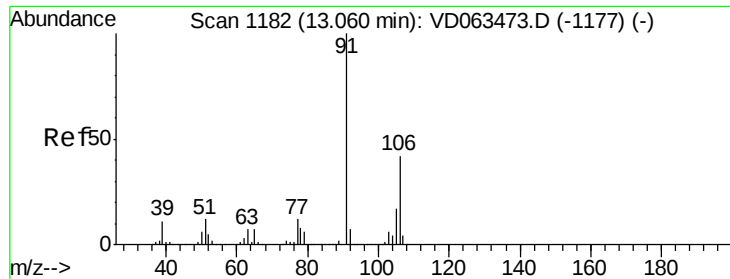
Tot Ion: 91 Resp: 723058
Ion Ratio Lower Upper
91 100
106 30.5 23.1 34.7



#68
m/p-Xylenes
Concen: 49.168 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion: 106 Resp: 577062
Ion Ratio Lower Upper
106 100
91 219.1 171.8 257.8

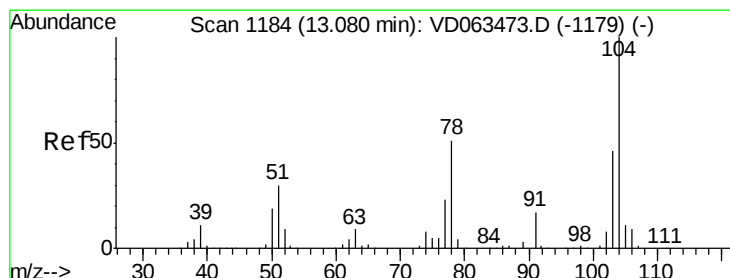
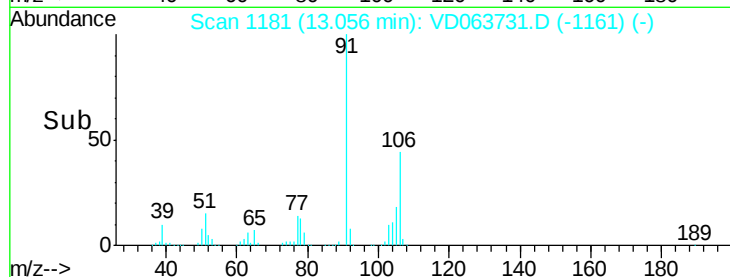
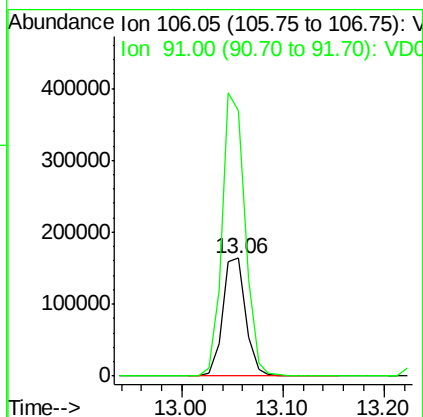
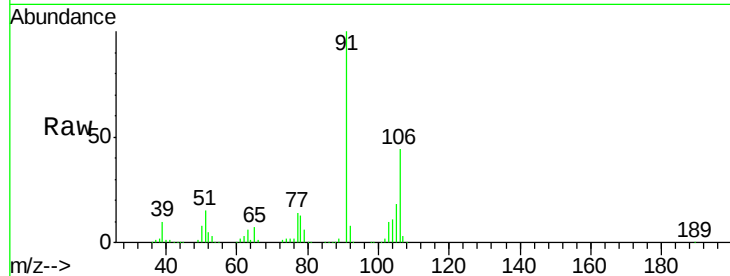




#69
o-Xylene
Concen: 23.196 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

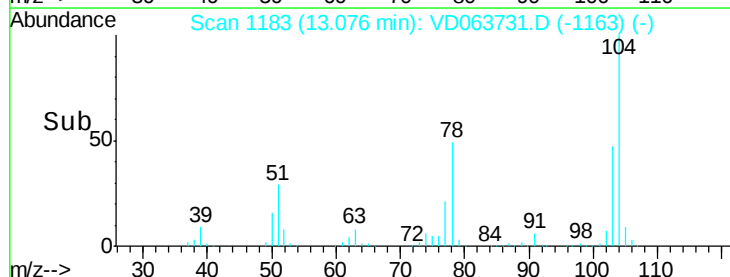
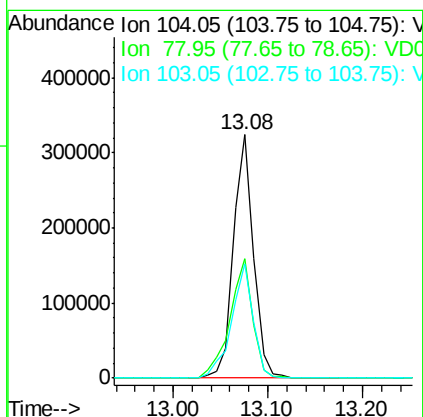
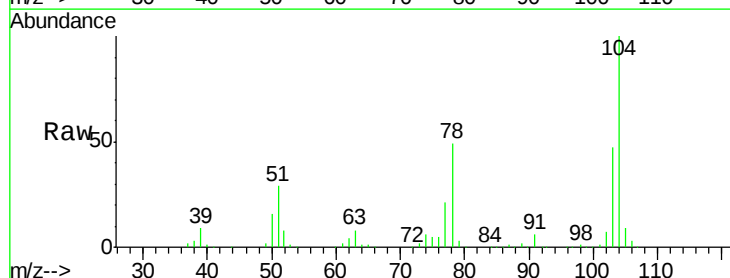
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

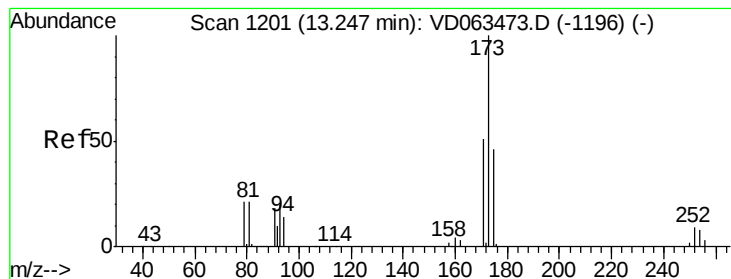
Tot Ion:106 Resp: 262022
Ion Ratio Lower Upper
106 100
91 225.2 118.1 354.2



#70
Styrene
Concen: 23.689 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion:104 Resp: 475981
Ion Ratio Lower Upper
104 100
78 49.2 40.8 61.2
103 47.0 36.4 54.6





#71

Bromoform

Concen: 23.809 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

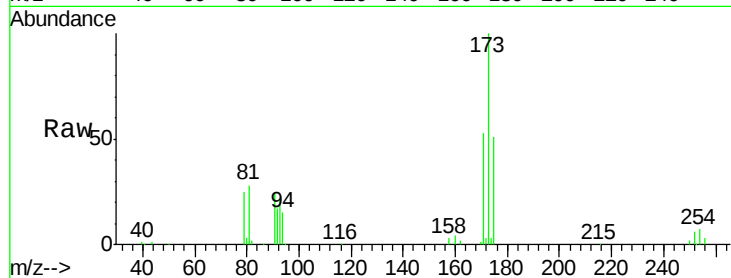
Tot Ion:173 Resp: 138039

Ion Ratio Lower Upper

173 100

175 51.2 22.8 68.3

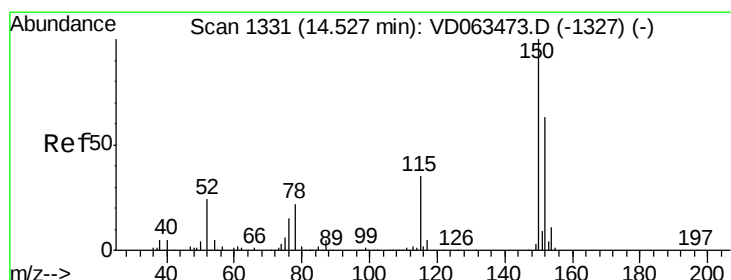
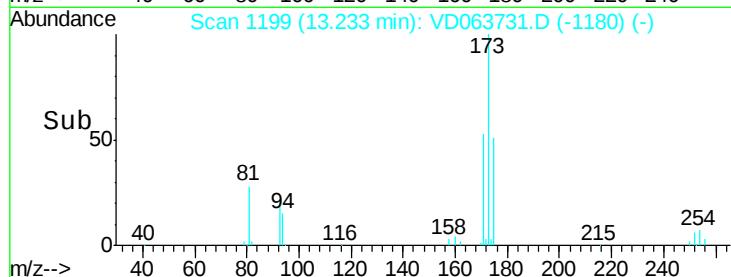
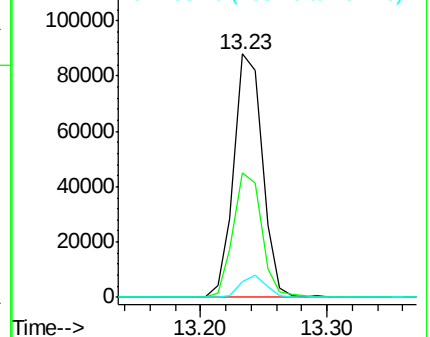
254 6.7 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

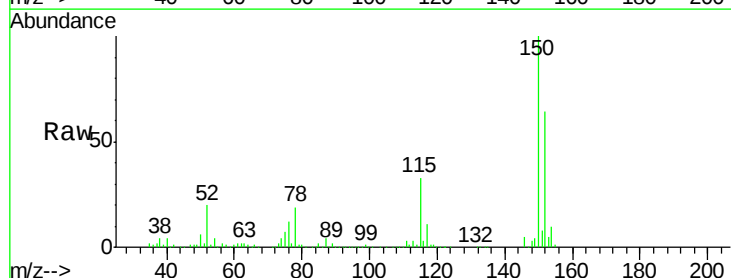
Tgt Ion:152 Resp: 542419

Ion Ratio Lower Upper

152 100

115 52.5 30.9 92.7

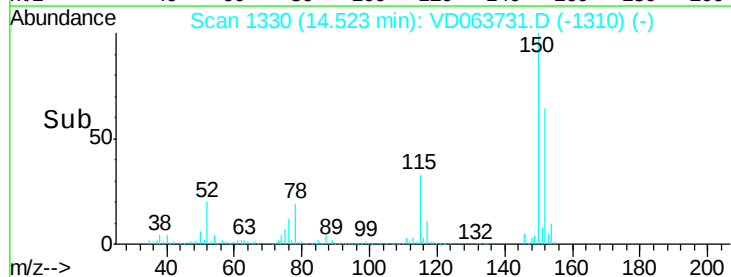
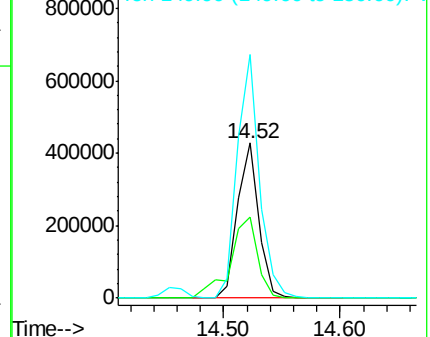
150 157.0 0.0 318.6



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: 23.073 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

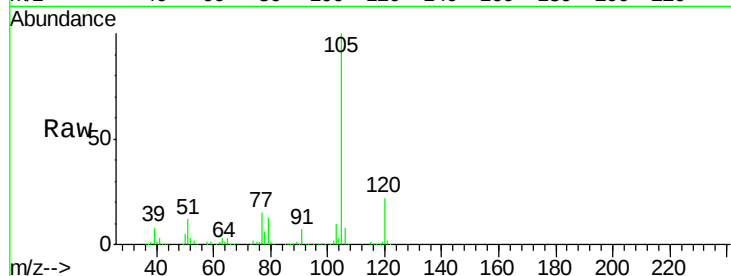
VD0822SBS01

Tot Ion: 105 Resp: 796036

Ion Ratio Lower Upper

105 100

120 21.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

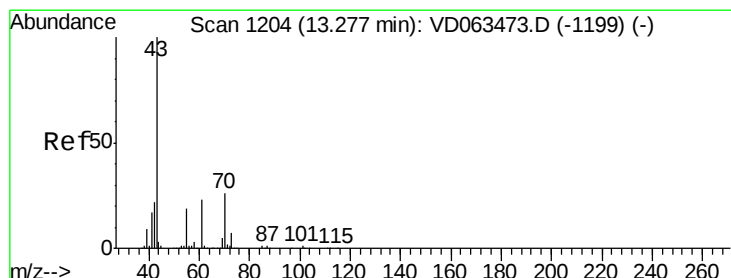
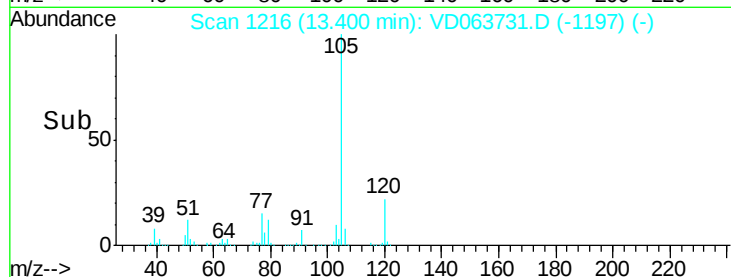
100000

0

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 24.897 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Tgt Ion: 43 Resp: 215630

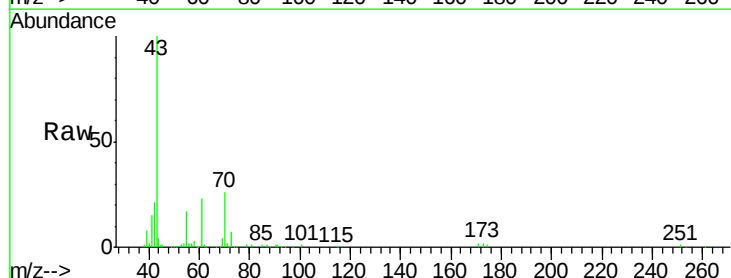
Ion Ratio Lower Upper

43 100

70 25.9 21.1 31.7

55 17.5 15.4 23.0

61 23.2 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

200000

150000

100000

50000

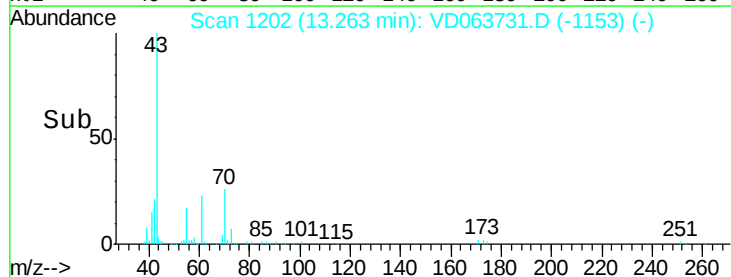
0

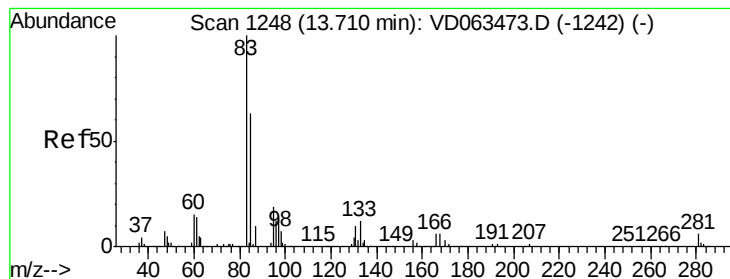
13.26

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.514 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

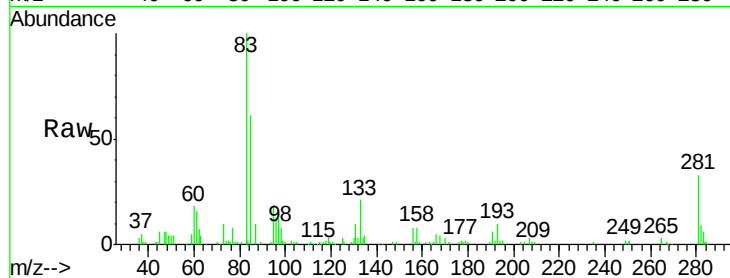
Tot Ion: 83 Resp: 134653

Ion Ratio Lower Upper

83 100

131 9.8 5.3 15.8

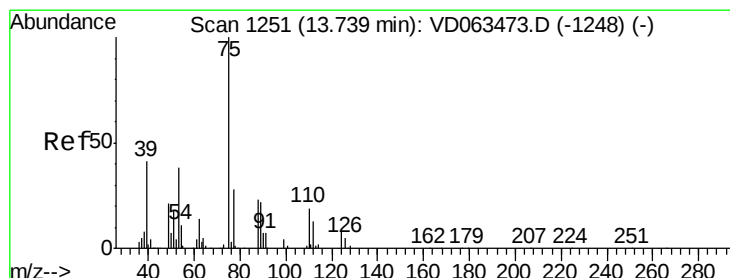
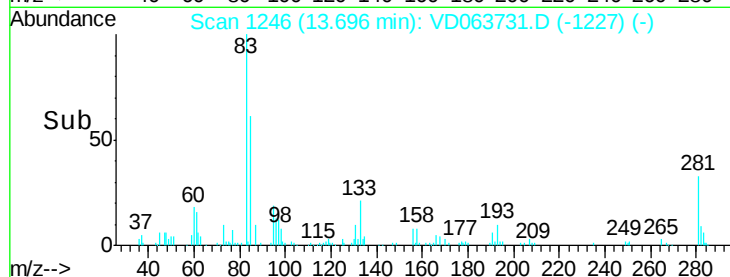
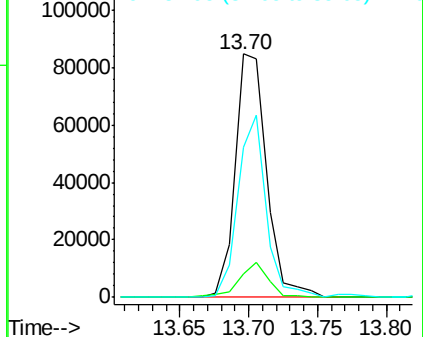
85 61.5 31.4 94.3



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: 25.492 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063731.D

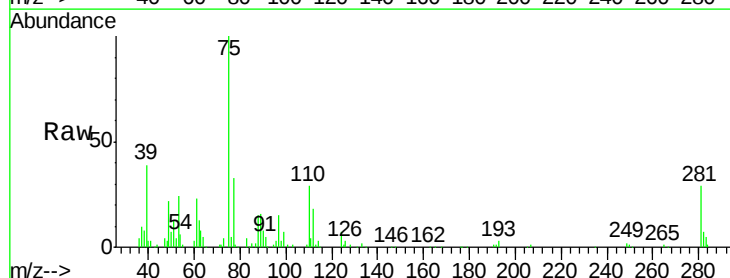
Acq: 22 Aug 2019 14:11

Tgt Ion: 75 Resp: 158694

Ion Ratio Lower Upper

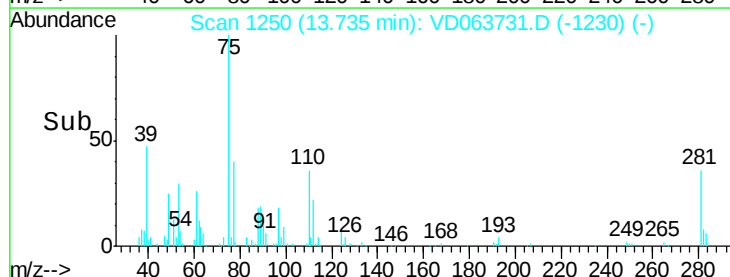
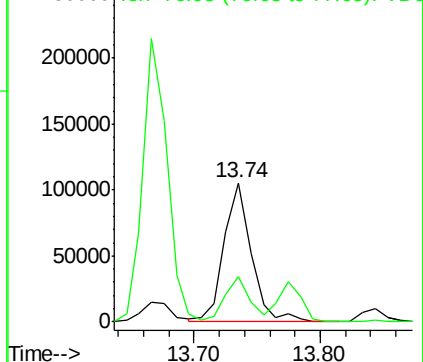
75 100

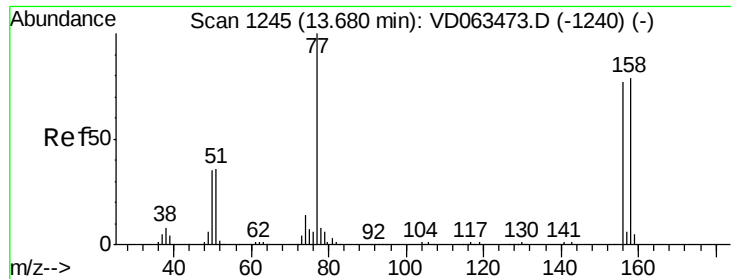
77 32.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.620 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

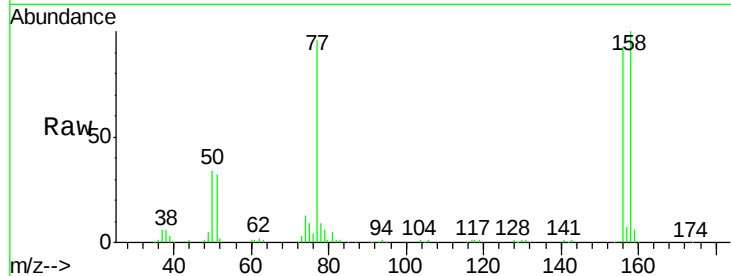
Tot Ion:156 Resp: 222719

Ion Ratio Lower Upper

156 100

77 102.7 64.6 193.8

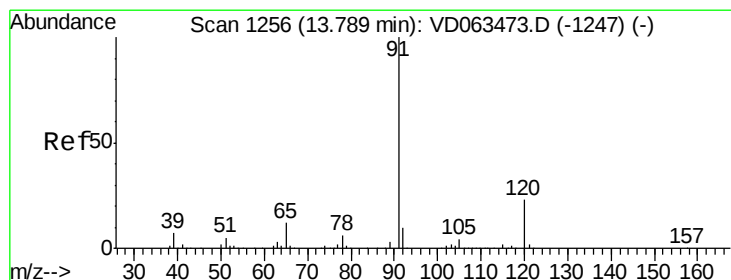
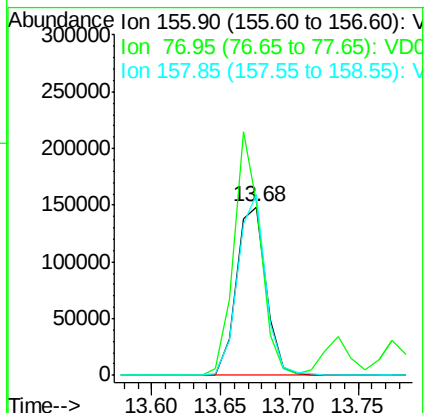
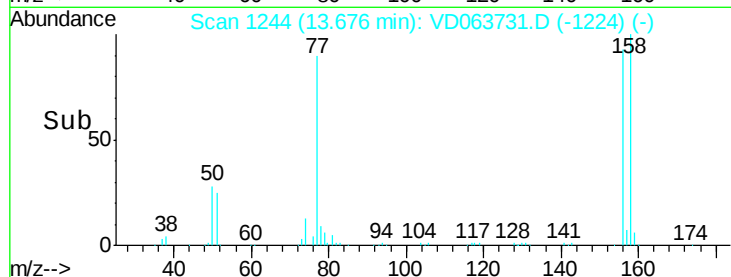
158 107.1 50.9 152.7



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: 23.058 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063731.D

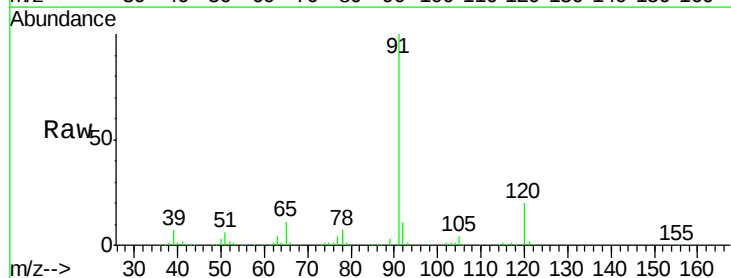
Acq: 22 Aug 2019 14:11

Tgt Ion: 91 Resp: 930805

Ion Ratio Lower Upper

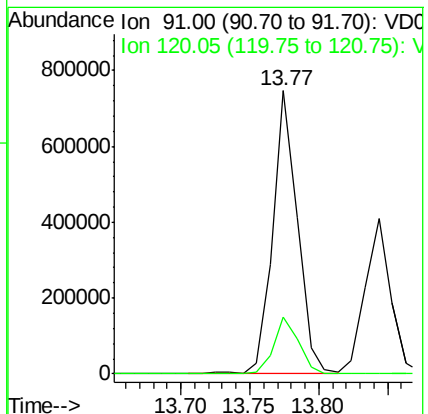
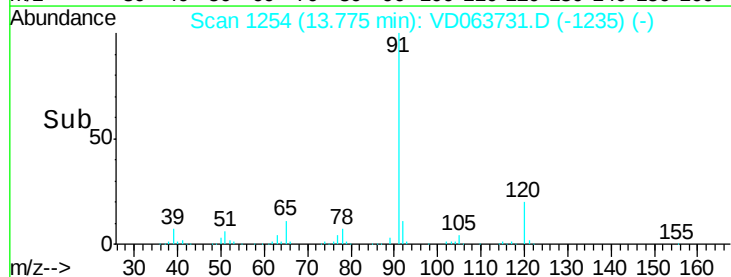
91 100

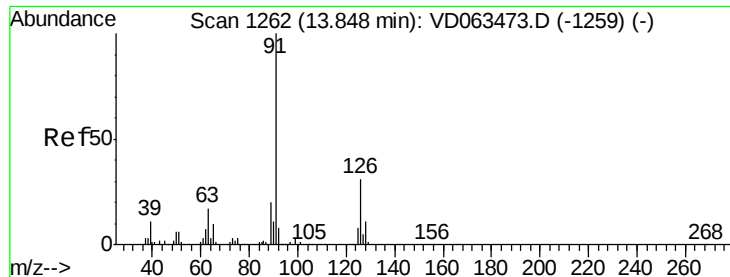
120 19.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.735 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

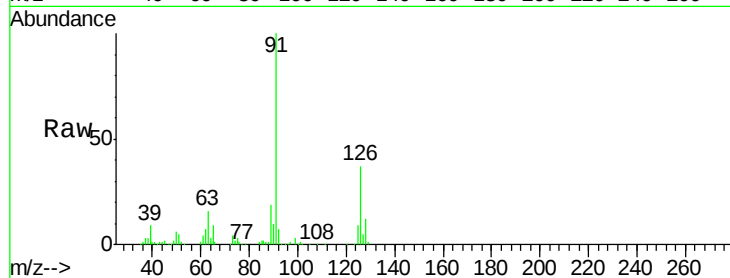
VD0822SBSD01

Tot Ion: 91 Resp: 529165

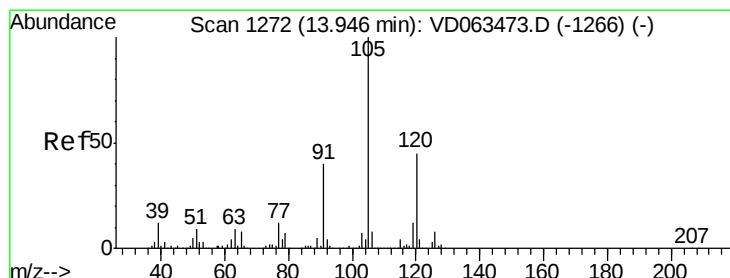
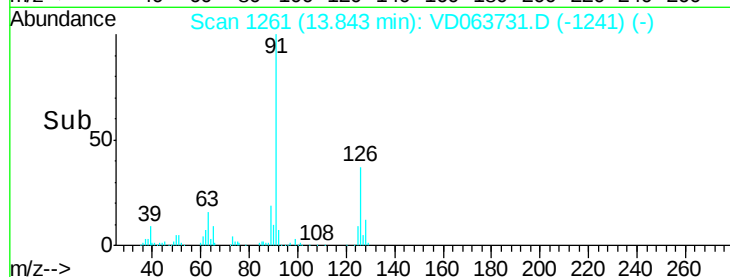
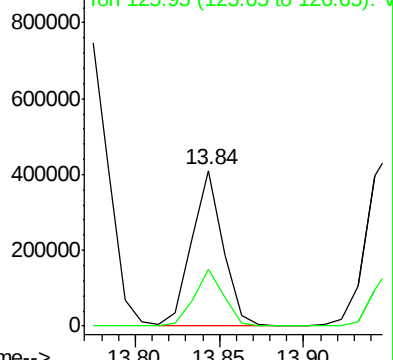
Ion Ratio Lower Upper

91 100

126 36.6 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 24.374 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063731.D

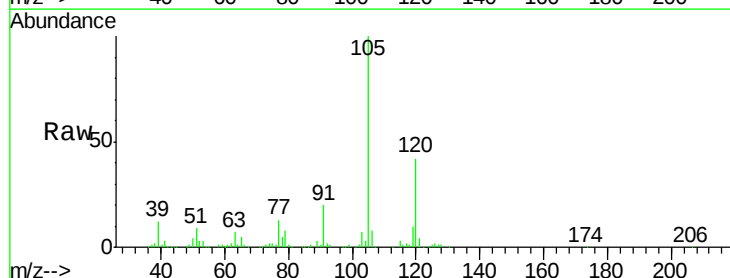
Acq: 22 Aug 2019 14:11

Tgt Ion: 105 Resp: 734752

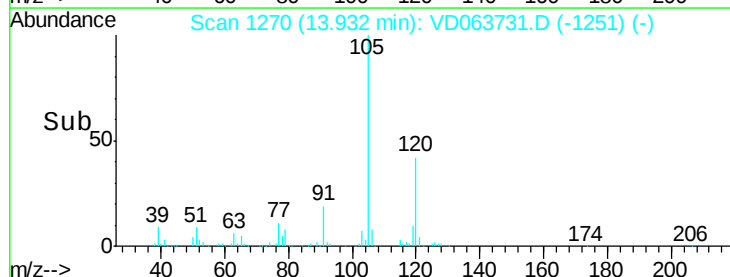
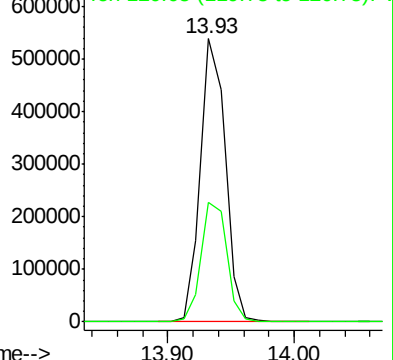
Ion Ratio Lower Upper

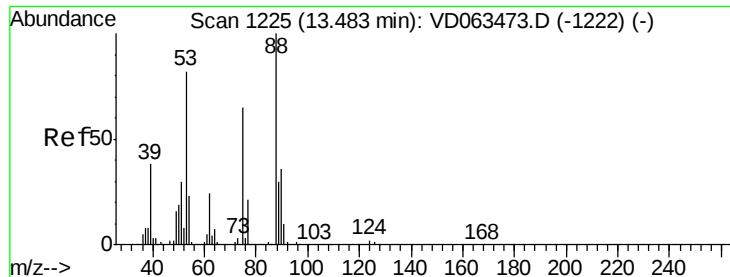
105 100

120 42.2 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.551 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

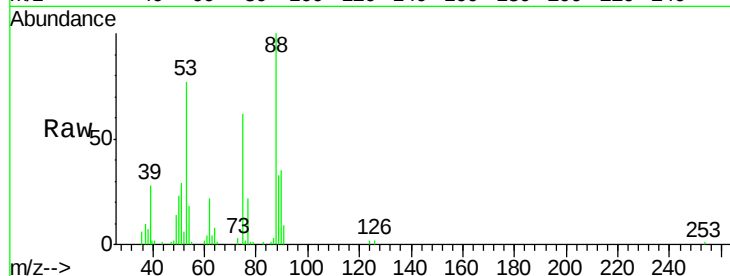
Tot Ion: 75 Resp: 36058

Ion Ratio Lower Upper

75 100

53 123.6 101.0 151.4

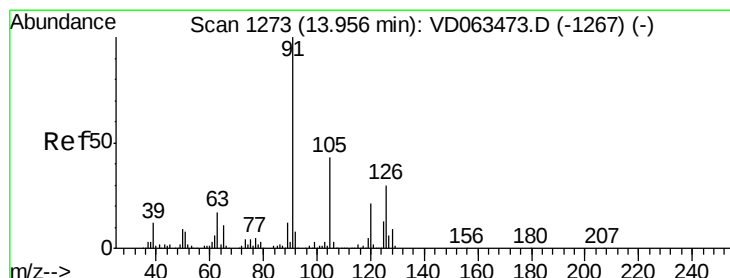
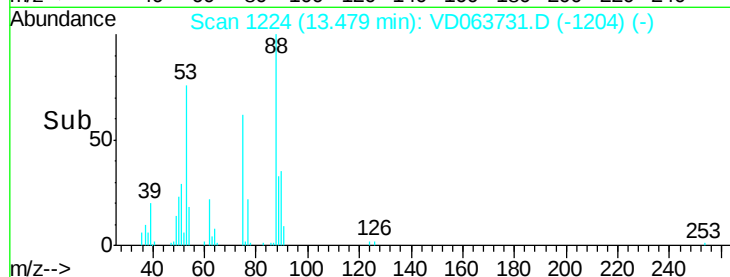
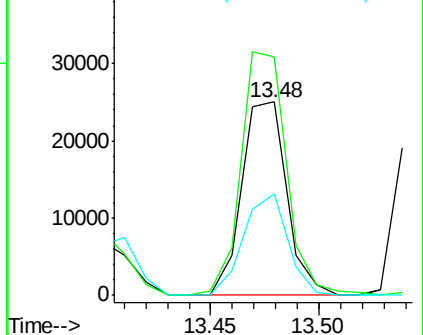
89 52.4 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.577 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063731.D

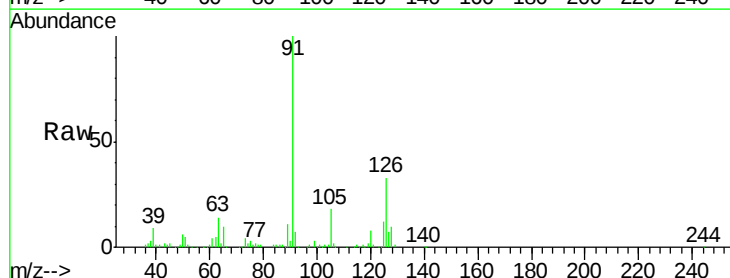
Acq: 22 Aug 2019 14:11

Tgt Ion: 91 Resp: 687872

Ion Ratio Lower Upper

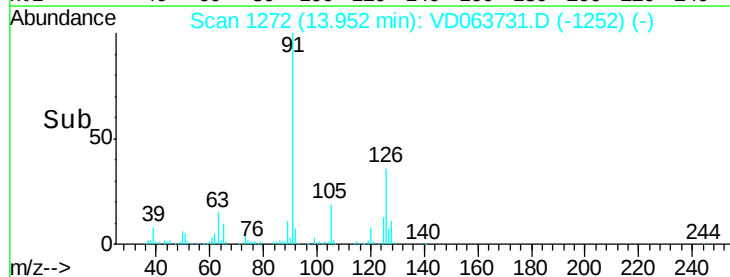
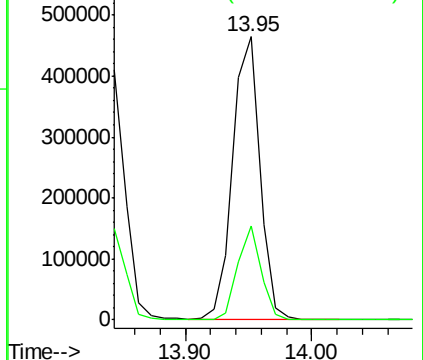
91 100

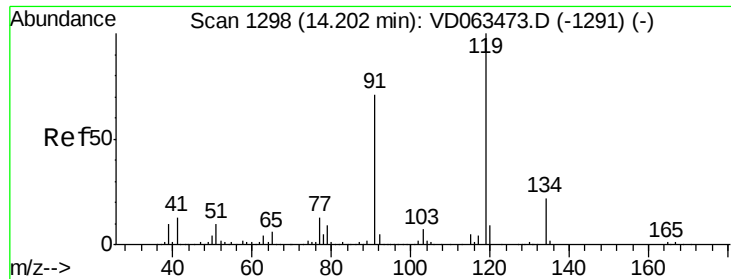
126 33.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

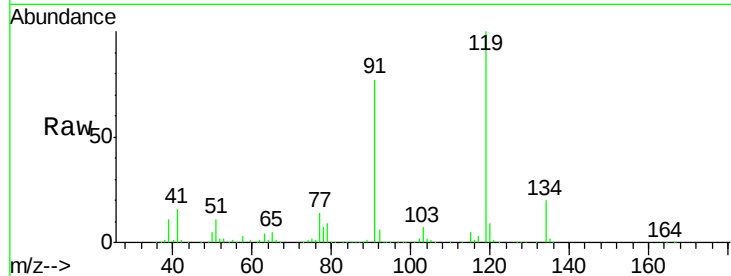




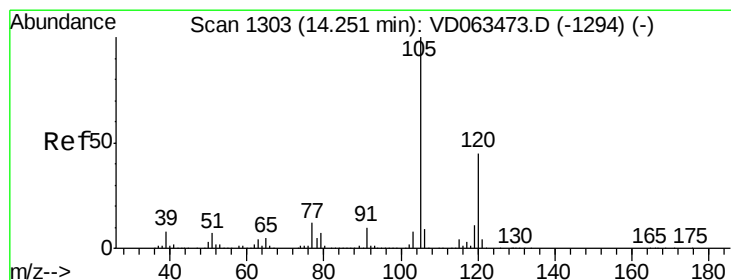
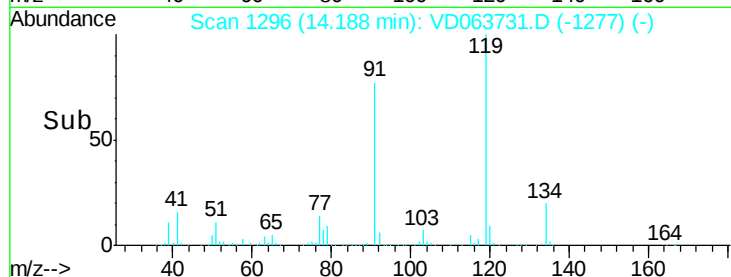
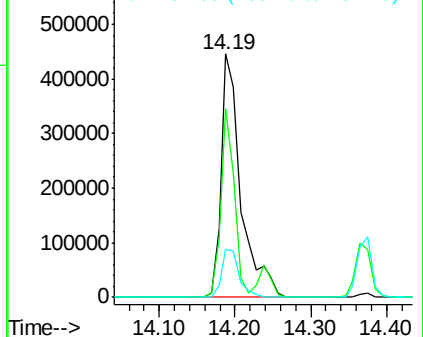
#83
tert-Butylbenzene
Concen: 25.724 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

Tot Ion:119 Resp: 816574
Ion Ratio Lower Upper
119 100
91 77.4 35.5 106.7
134 19.9 11.1 33.1

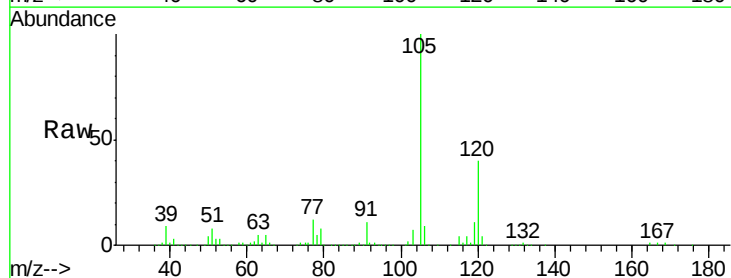


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

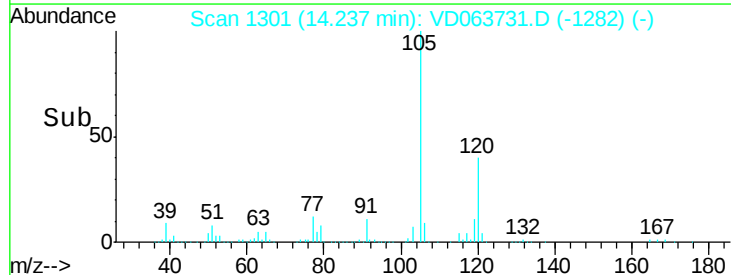
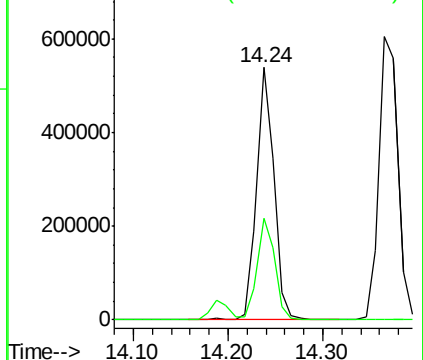


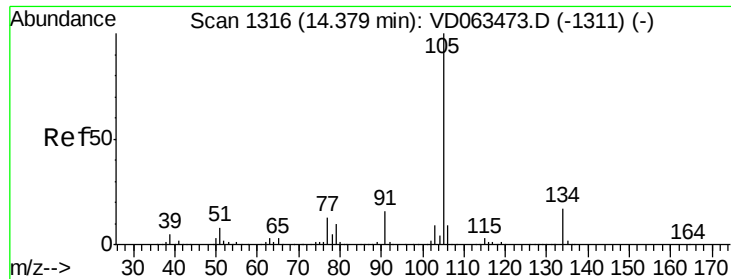
#84
1,2,4-Trimethylbenzene
Concen: 24.659 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion:105 Resp: 687777
Ion Ratio Lower Upper
105 100
120 40.4 22.7 68.1



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

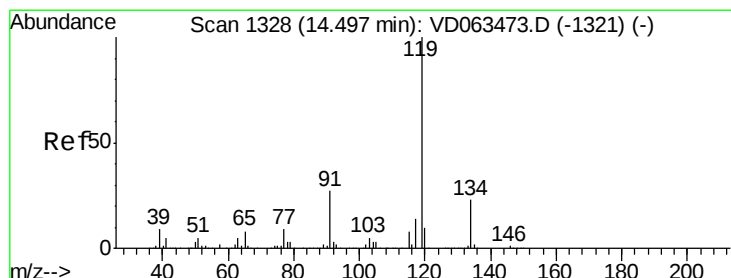
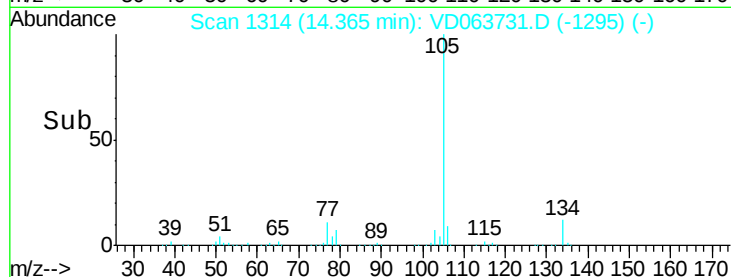
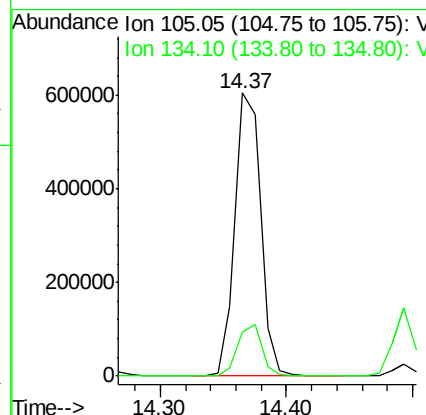
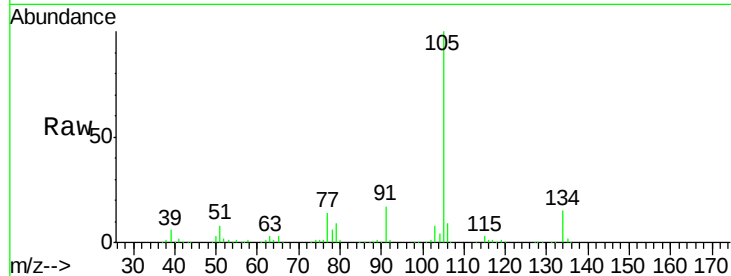




#85
 sec-Butylbenzene
 Concen: 25.257 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

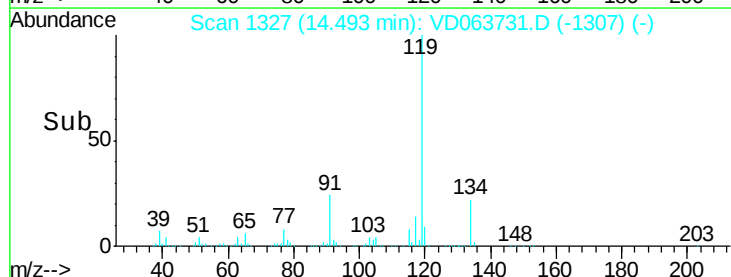
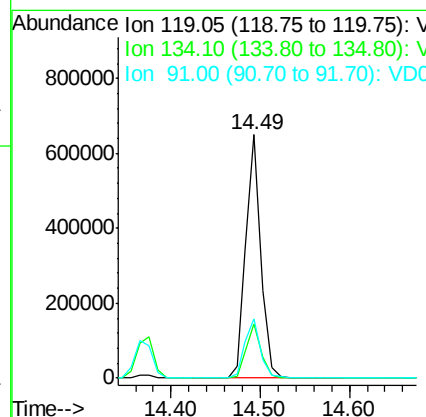
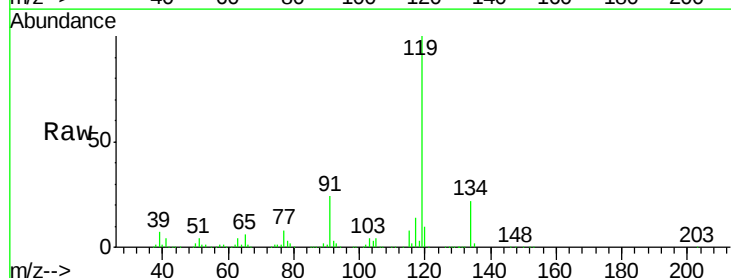
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

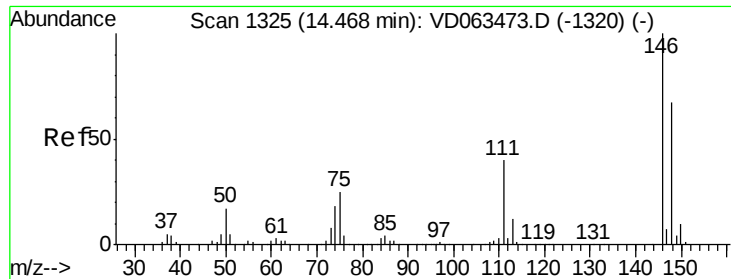
Tot Ion:105 Resp: 851436
 Ion Ratio Lower Upper
 105 100
 134 15.4 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 23.845 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion:119 Resp: 768584
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.3 33.8
 91 24.3 13.5 40.4

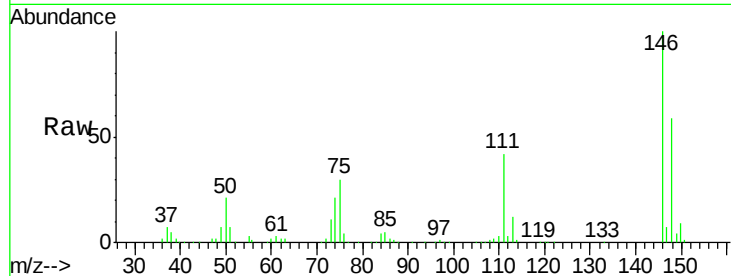




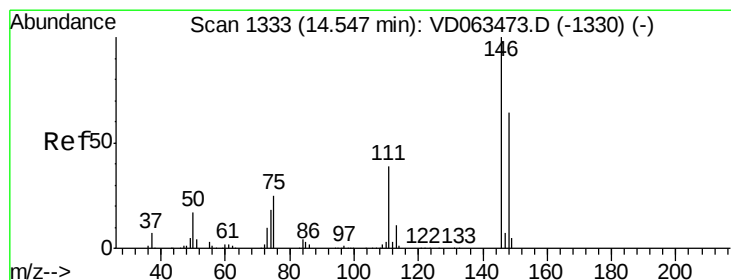
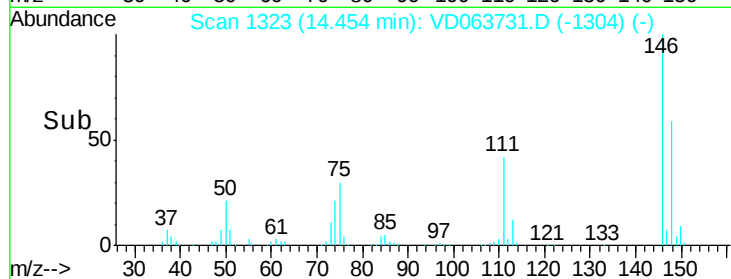
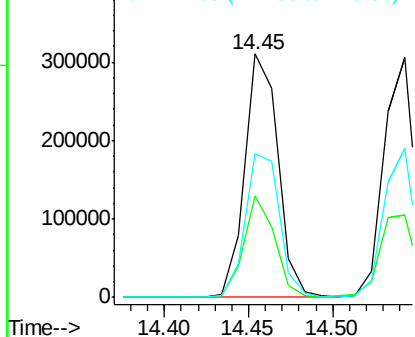
#87
 1,3-Dichlorobenzene
 Concen: 24.925 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Tot Ion:146 Resp: 425108
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 60.0
 148 59.0 33.6 100.6

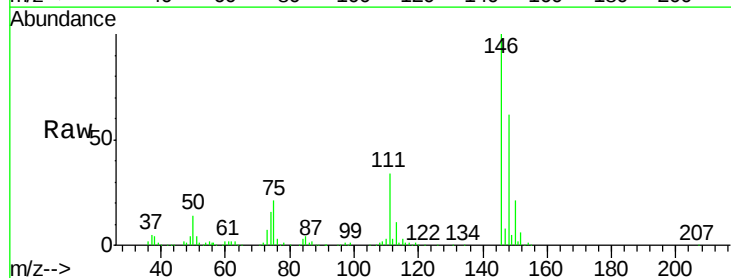


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

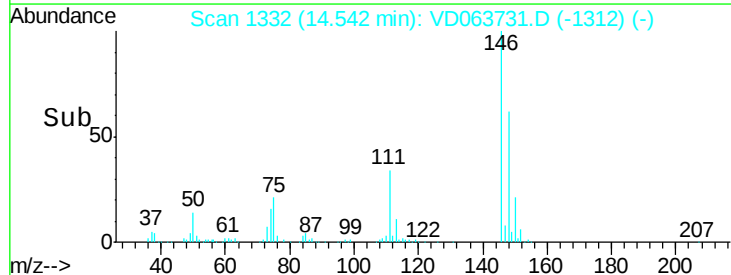
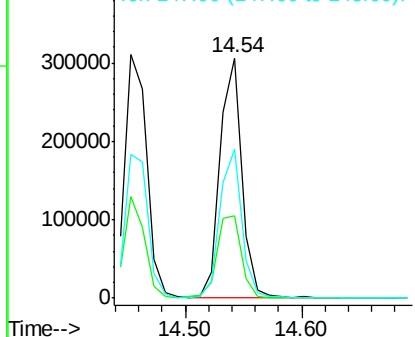


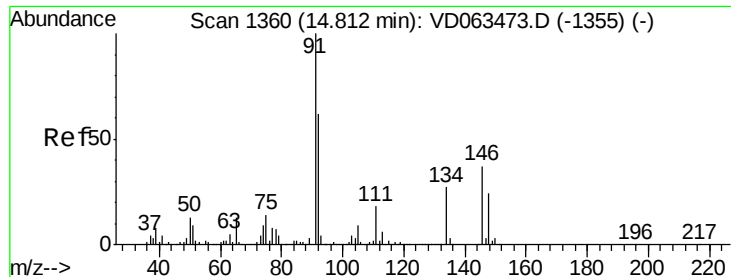
#88
 1,4-Dichlorobenzene
 Concen: 24.441 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion:146 Resp: 399942
 Ion Ratio Lower Upper
 146 100
 111 34.5 19.7 59.0
 148 62.2 32.1 96.3



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





#89

n-Butylbenzene

Concen: 23.962 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063731.D

Acq: 22 Aug 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

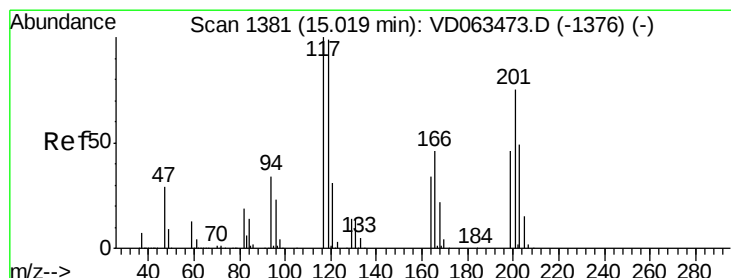
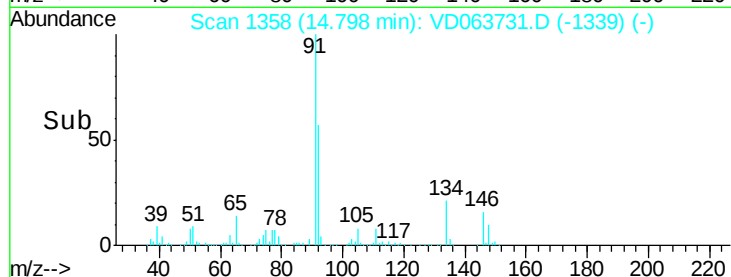
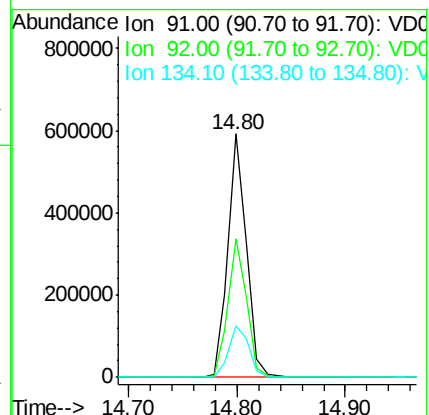
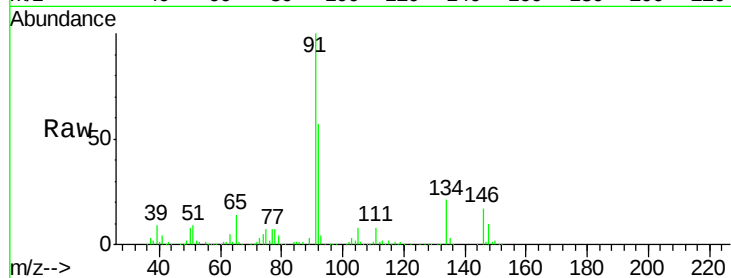
Tot Ion: 91 Resp: 704921

Ion Ratio Lower Upper

91 100

92 57.1 30.8 92.3

134 21.4 13.4 40.2



#90

Hexachloroethane

Concen: 24.497 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063731.D

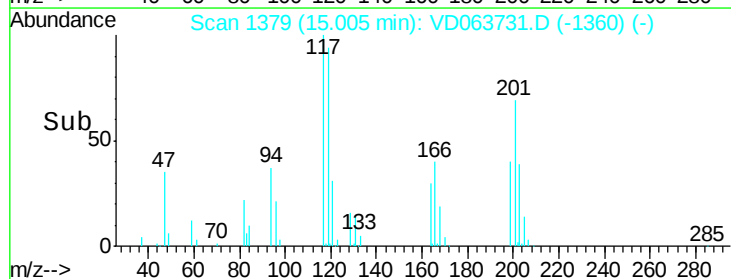
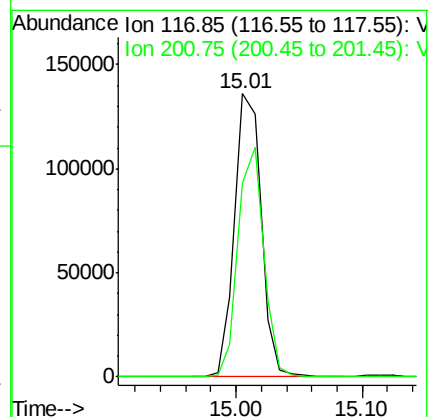
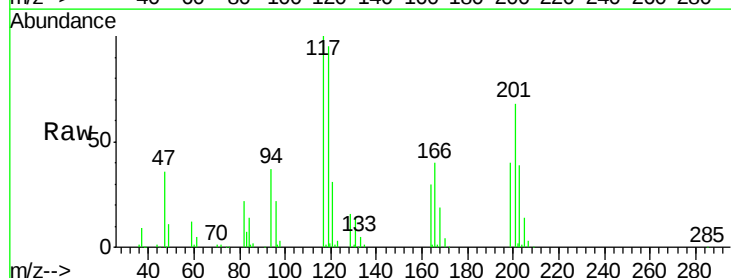
Acq: 22 Aug 2019 14:11

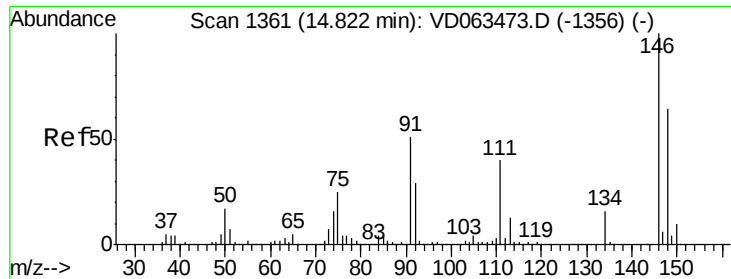
Tgt Ion: 117 Resp: 198467

Ion Ratio Lower Upper

117 100

201 68.4 37.5 112.5

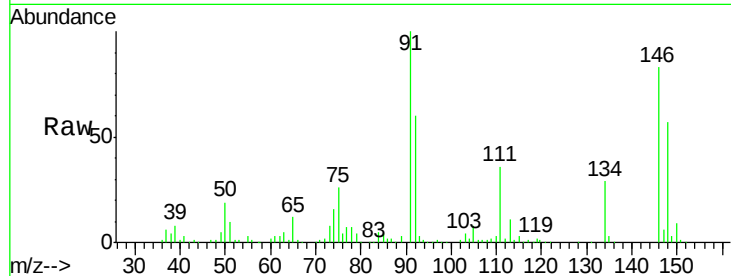




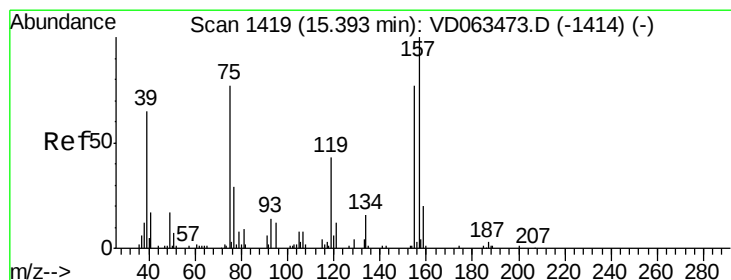
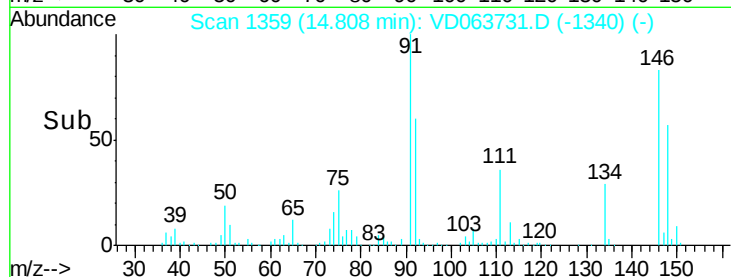
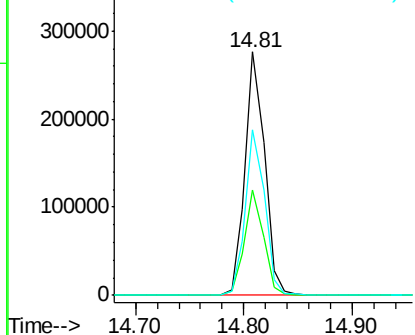
#91
 1,2-Dichlorobenzene
 Concen: 24.104 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Tot Ion:146 Resp: 348795
 Ion Ratio Lower Upper
 146 100
 111 43.3 20.2 60.6
 148 68.0 32.1 96.5

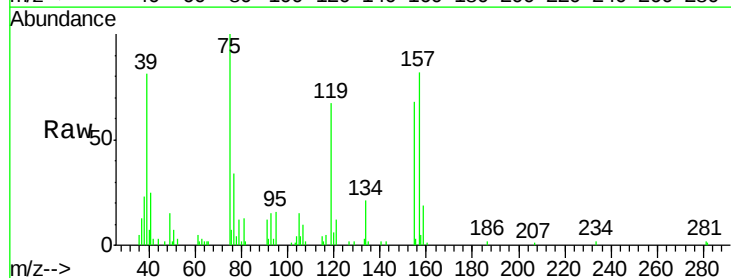


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

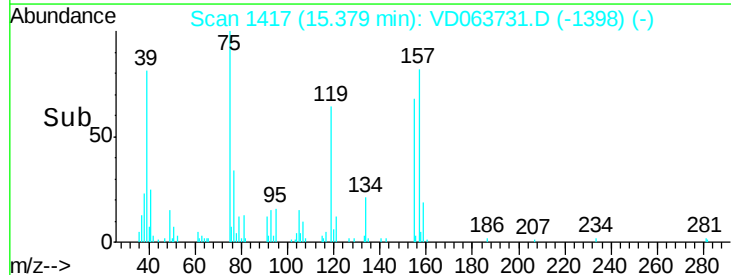
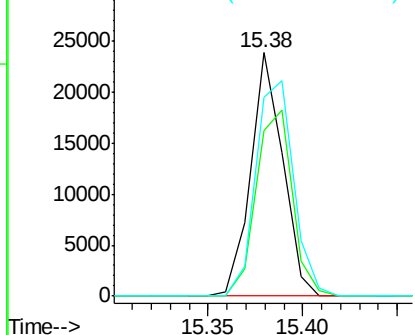


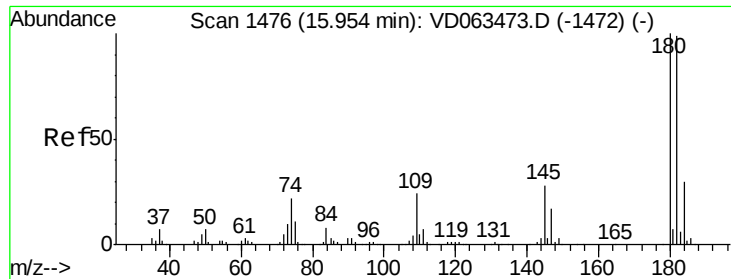
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.085 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion: 75 Resp: 28126
 Ion Ratio Lower Upper
 75 100
 155 71.4 50.1 150.3
 157 81.6 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

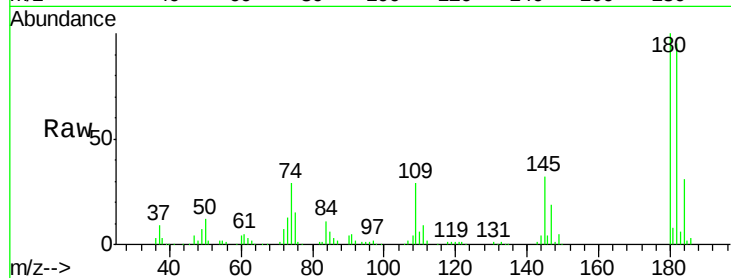




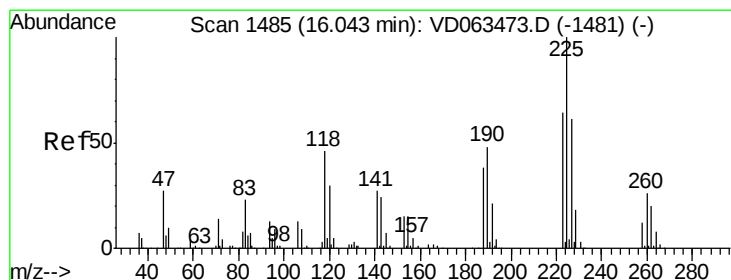
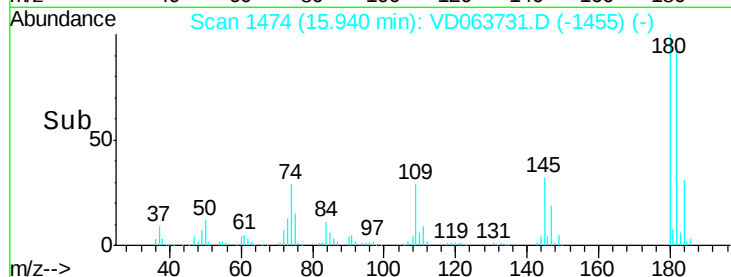
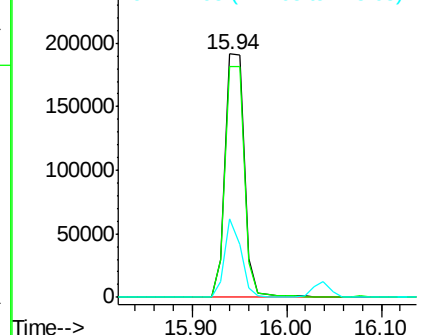
#93
 1,2,4-Trichlorobenzene
 Concen: 25.191 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Tot Ion:180 Resp: 268223
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.7 149.1
 145 32.2 14.1 42.2

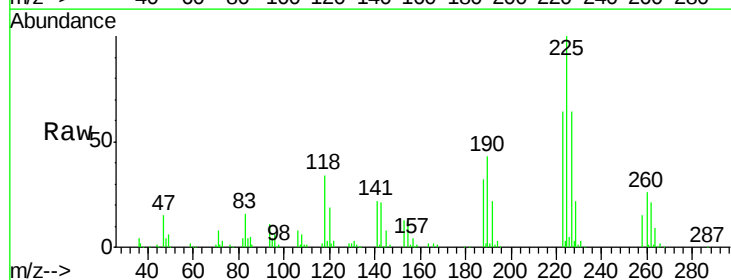


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

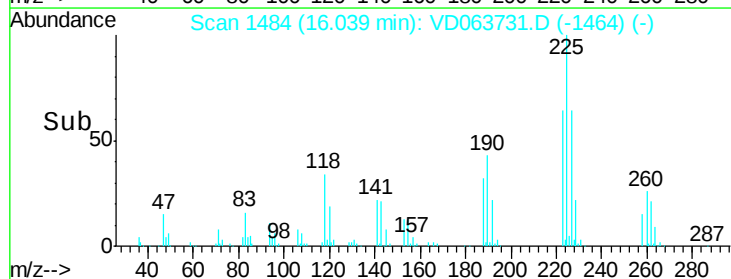
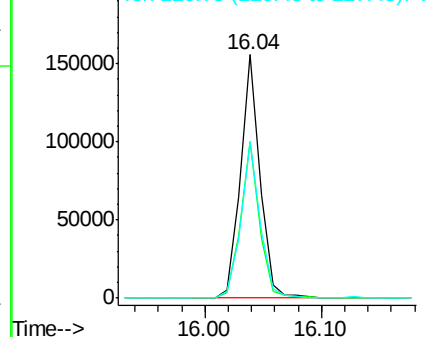


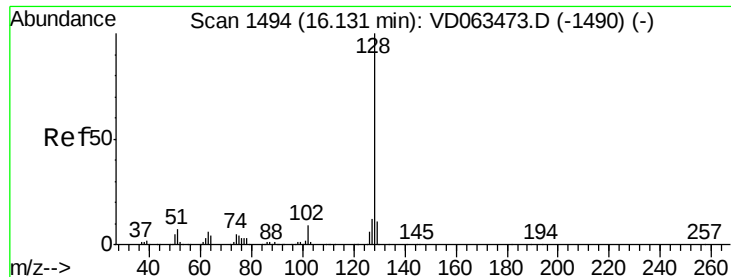
#94
 Hexachlorobutadiene
 Concen: 22.262 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063731.D
 Acq: 22 Aug 2019 14:11

Tgt Ion:225 Resp: 180658
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.9 95.5
 227 64.4 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

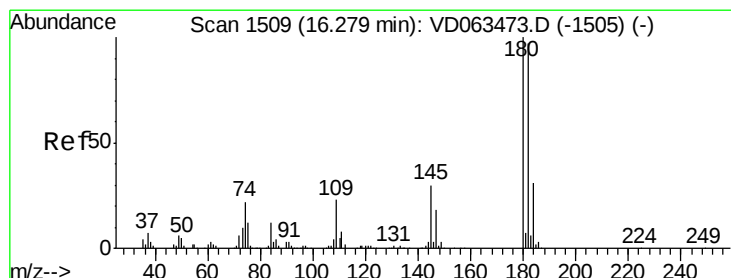
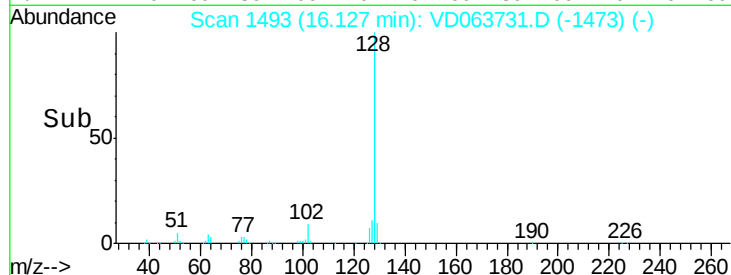
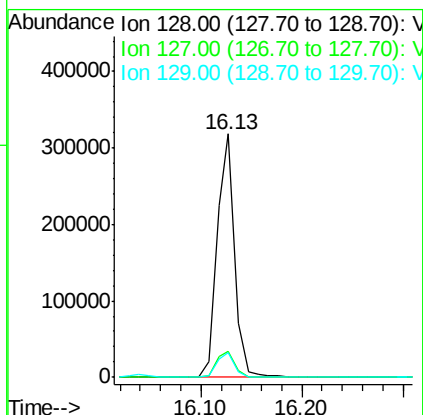
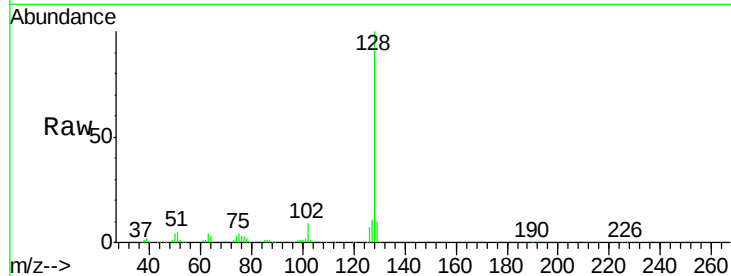




#95
Naphthalene
Concen: 24.033 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

Tot Ion:128 Resp: 387806
Ion Ratio Lower Upper
128 100
127 10.8 9.4 14.0
129 10.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 24.964 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063731.D
Acq: 22 Aug 2019 14:11

Tgt Ion:180 Resp: 214690
Ion Ratio Lower Upper
180 100
182 97.9 48.4 145.2
145 26.2 14.9 44.9

