

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063396.D
 Acq On : 6 Aug 2019 13:57
 Operator : JC/SY
 Sample : VD0806SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Quant Time: Aug 07 06:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1087475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1520853	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1207717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	682751	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	602971	49.97	ug/l	0.02
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	6.93	113	705338	54.32	ug/l	0.02
Spiked Amount			Recovery	=	108.64%	
50) Toluene-d8	10.41	98	1589916	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
62) 4-Bromofluorobenzene	13.55	95	635605	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	249861	18.797	ug/l	99
3) Chloromethane	1.74	50	206495	19.994	ug/l	91
4) Vinyl Chloride	1.85	62	199260	18.637	ug/l	94
5) Bromomethane	2.14	94	89123	16.528	ug/l	93
6) Chloroethane	2.25	64	99824	20.223	ug/l	96
7) Trichlorofluoromethane	2.53	101	380960	18.367	ug/l	96
8) Diethyl Ether	2.87	74	49356	17.002	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.15	101	221116	19.245	ug/l	96
10) Methyl Iodide	3.30	142	283553	17.084	ug/l	95
11) Tert butyl alcohol	4.08	59	40080	75.688	ug/l	99
12) 1,1-Dichloroethene	3.12	96	157742	18.701	ug/l	92
13) Acrolein	3.04	56	32774	64.309	ug/l	97
14) Allyl chloride	3.62	41	251470	18.715	ug/l	95
15) Acrylonitrile	4.19	53	134104	97.681	ug/l	95
16) Acetone	3.23	43	218538	92.954	ug/l	98
17) Carbon Disulfide	3.36	76	535412	18.964	ug/l	96
18) Methyl Acetate	3.64	43	92877	20.566	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	369079	19.371	ug/l	100
20) Methylene Chloride	3.81	84	195269	20.548	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	190899	20.171	ug/l	93
22) Diisopropyl ether	5.13	45	533215	19.862	ug/l	97
23) Vinyl Acetate	5.06	43	1606238	97.335	ug/l	98
24) 1,1-Dichloroethane	4.98	63	335862	19.586	ug/l #	97
25) 2-Butanone	6.08	43	225996	95.783	ug/l	93
26) 2,2-Dichloropropane	6.02	77	335645	18.994	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	202951	20.001	ug/l	97
28) Bromochloromethane	6.44	49	131743	19.283	ug/l	94
29) Tetrahydrofuran	6.47	42	105638	94.566	ug/l	97
30) Chloroform	6.67	83	404929	19.028	ug/l	90
31) Cyclohexane	6.96	56	218381	20.318	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	409123	19.876	ug/l	94
36) 1,1-Dichloropropene	7.14	75	280846	20.234	ug/l	98
37) Ethyl Acetate	6.19	43	105533	16.924	ug/l #	94
38) Carbon Tetrachloride	7.11	117	385815	18.464	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	216019	18.680	ug/l	94
40) Benzene	7.46	78	568429	19.541	ug/l	96
41) Methacrylonitrile	6.46	41	136313	18.275	ug/l #	82
42) 1,2-Dichloroethane	7.58	62	277691	18.012	ug/l	97
43) Isopropyl Acetate	9.24	43	161019	20.215	ug/l #	94
44) Trichloroethene	8.54	130	237333	20.135	ug/l	97
45) 1,2-Dichloropropane	8.95	63	147285	19.920	ug/l	98
46) Dibromomethane	9.06	93	114011	18.545	ug/l	82
47) Bromodichloromethane	9.38	83	294298	18.779	ug/l	99
48) Methyl methacrylate	9.12	41	92060	17.820	ug/l	95
49) 1,4-Dioxane	9.08	88	17495	397.297	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	499717	92.248	ug/l	94
52) Toluene	10.51	92	383856	19.840	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	241902	17.904	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	280667	19.766	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	131304	20.095	ug/l	93
56) Ethyl methacrylate	11.04	69	137279	19.186	ug/l	96
57) 1,3-Dichloropropane	11.41	76	184238	17.895	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	371077	99.668	ug/l	100
59) 2-Hexanone	11.54	43	361364	92.568	ug/l	91
60) Dibromochloromethane	11.69	129	232331	18.834	ug/l	99
61) 1,2-Dibromoethane	11.81	107	154610	19.176	ug/l	94
64) Tetrachloroethene	11.26	164	201013	20.892	ug/l	97
65) Chlorobenzene	12.40	112	436320	18.783	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	193012	18.863	ug/l	95
67) Ethyl Benzene	12.53	91	763376	19.344	ug/l	98
68) m/p-Xylenes	12.67	106	614002	42.427	ug/l	97
69) o-Xylene	13.05	106	273631	20.590	ug/l	97
70) Styrene	13.07	104	501804	21.291	ug/l	98
71) Bromoform	13.24	173	150489	20.224	ug/l	99
73) Isopropylbenzene	13.41	105	845839	19.739	ug/l	96
74) N-amyl acetate	13.27	43	224199	19.791	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	144210	19.812	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	162305	19.792	ug/l	99
77) Bromobenzene	13.67	156	242567	19.871	ug/l	92
78) n-propylbenzene	13.78	91	1025368	20.107	ug/l	99
79) 2-Chlorotoluene	13.84	91	577522	19.545	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	751373	20.330	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	40151	17.632	ug/l	96
82) 4-Chlorotoluene	13.95	91	682583	19.629	ug/l	94
83) tert-Butylbenzene	14.19	119	864530	20.486	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	749173	19.597	ug/l	98
85) sec-Butylbenzene	14.37	105	861395	19.374	ug/l	99
86) p-Isopropyltoluene	14.49	119	838690	19.763	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	418420	19.355	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	424820	19.433	ug/l	95
89) n-Butylbenzene	14.80	91	750621	20.480	ug/l	98
90) Hexachloroethane	15.01	117	202741	18.337	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	373571	19.834	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25093	16.924	ug/l	62

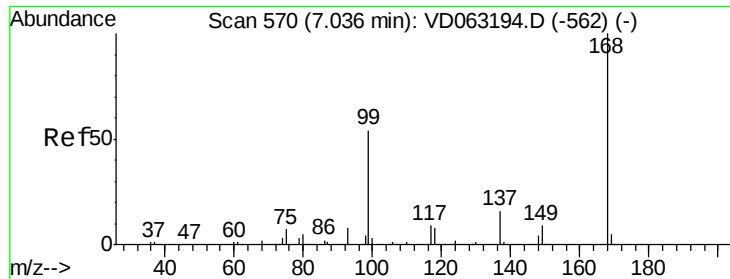
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080619\
Data File : VD063396.D
Acq On : 6 Aug 2019 13:57
Operator : JC/SY
Sample : VD0806SBSD01
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	263379	17.627	ug/l	99
94) Hexachlorobutadiene	16.03	225	209438	19.342	ug/l	95
95) Naphthalene	16.12	128	381002	18.041	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	222364	18.838	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

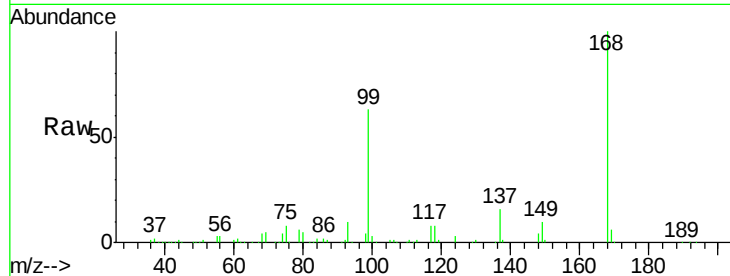
VD0806SBSD01

Tot Ion:168 Resp: 1087475

Ion Ratio Lower Upper

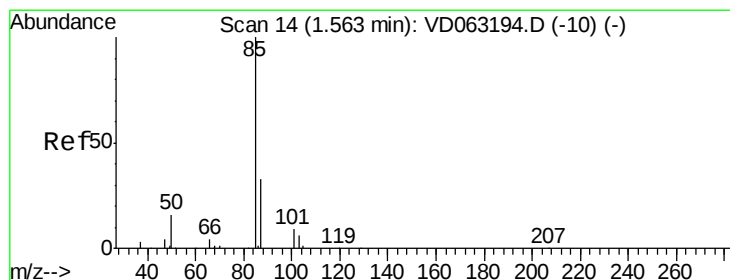
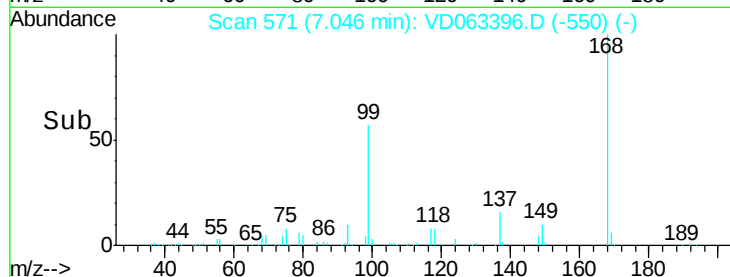
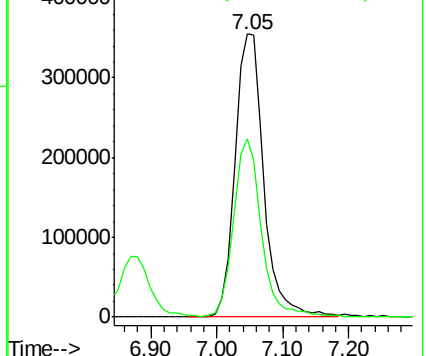
168 100

99 62.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.797 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063396.D

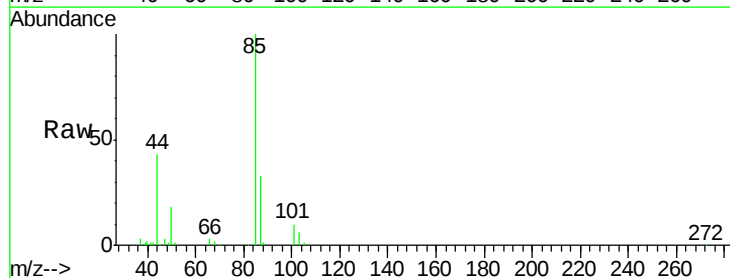
Acq: 6 Aug 2019 13:57

Tgt Ion: 85 Resp: 249861

Ion Ratio Lower Upper

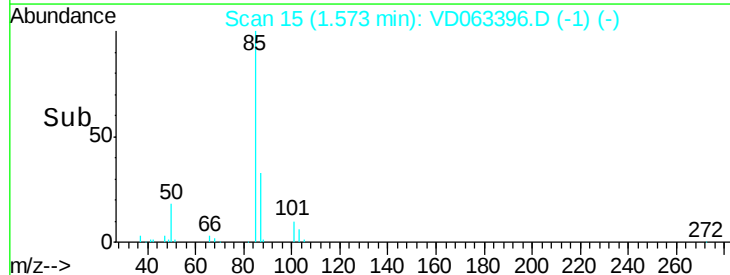
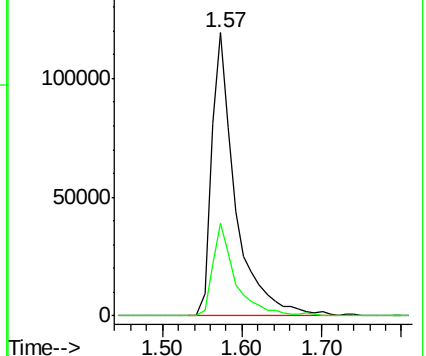
85 100

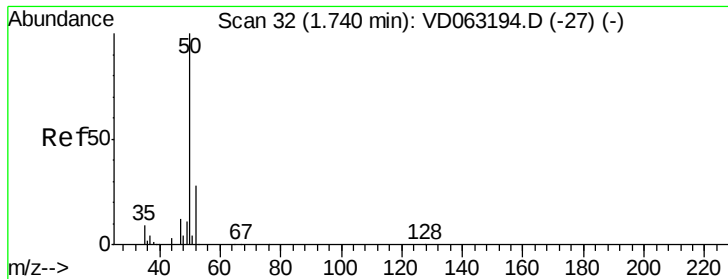
87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.994 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

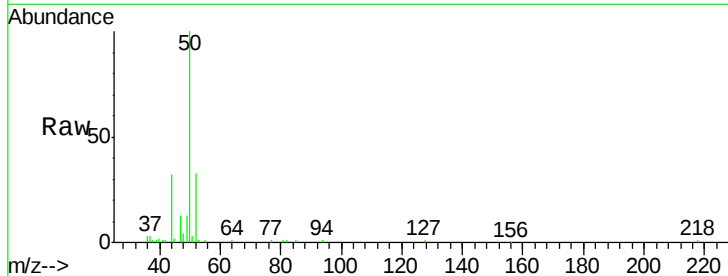
VD0806SBSD01

Tot Ion: 50 Resp: 206495

Ion Ratio Lower Upper

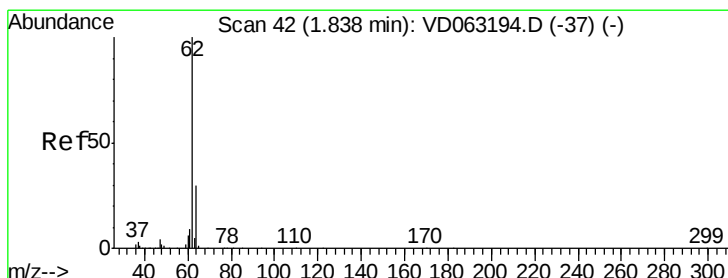
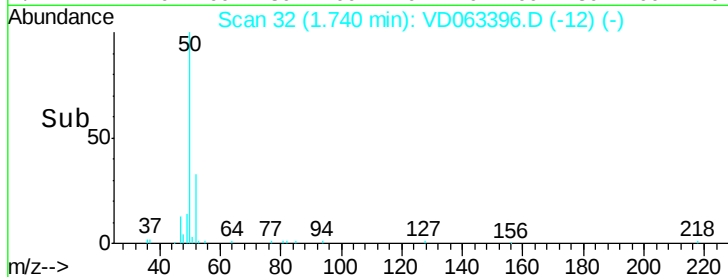
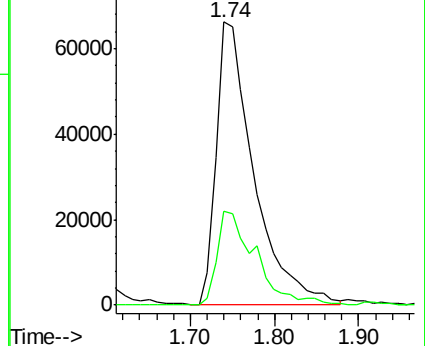
50 100

52 33.1 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.637 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063396.D

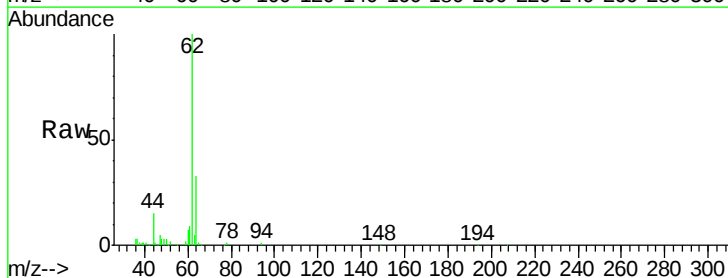
Acq: 6 Aug 2019 13:57

Tgt Ion: 62 Resp: 199260

Ion Ratio Lower Upper

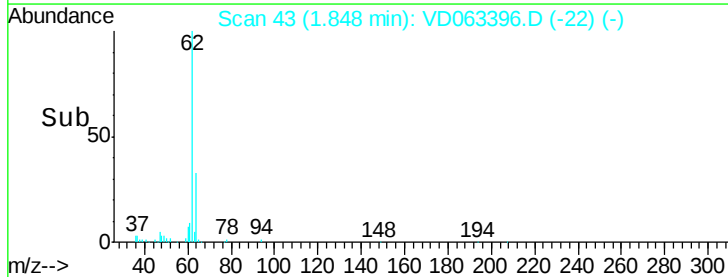
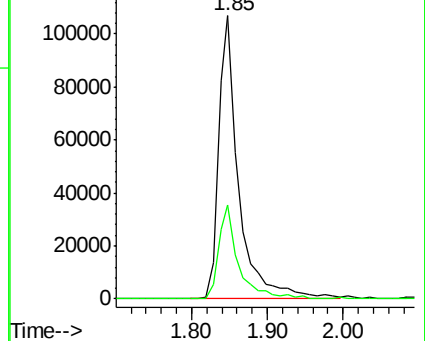
62 100

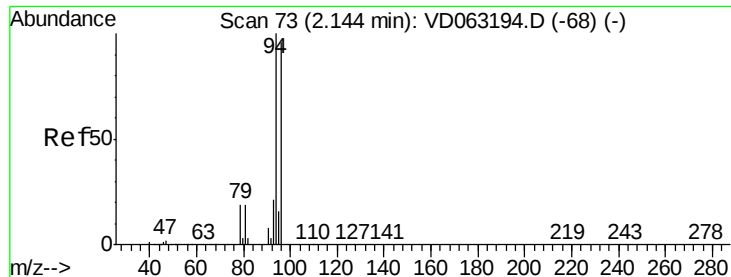
64 33.1 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.528 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

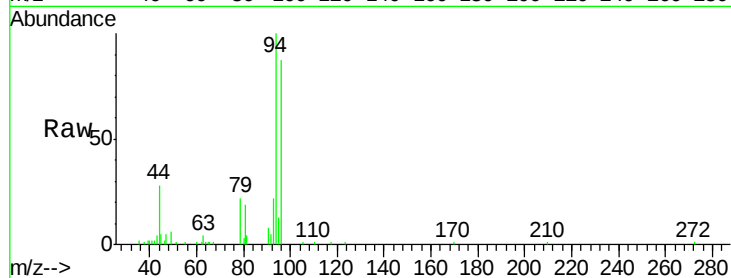
Tot Ion: 94 Resp: 89123

Ion Ratio Lower Upper

94 100

96 86.9 76.4 114.6

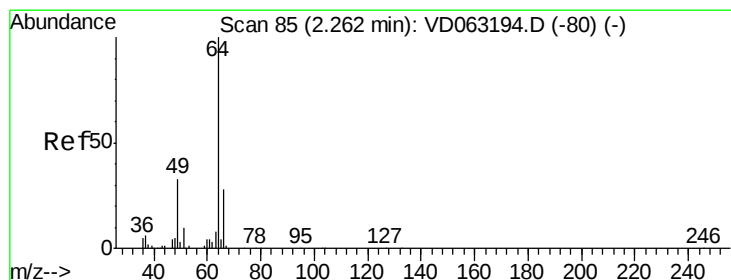
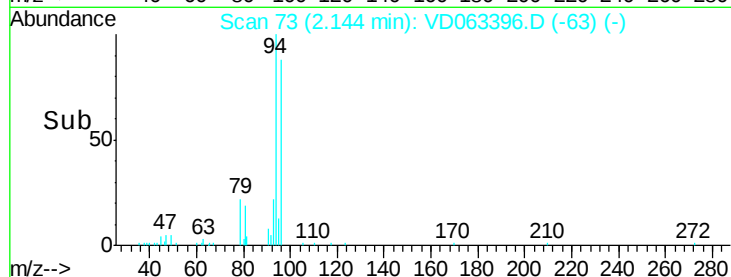
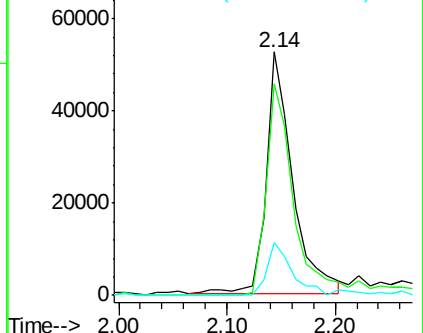
93 21.9 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.223 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063396.D

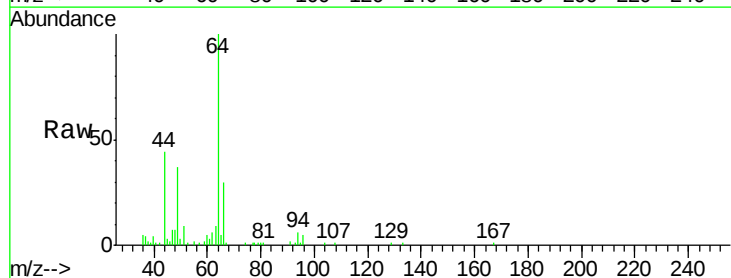
Acq: 6 Aug 2019 13:57

Tgt Ion: 64 Resp: 99824

Ion Ratio Lower Upper

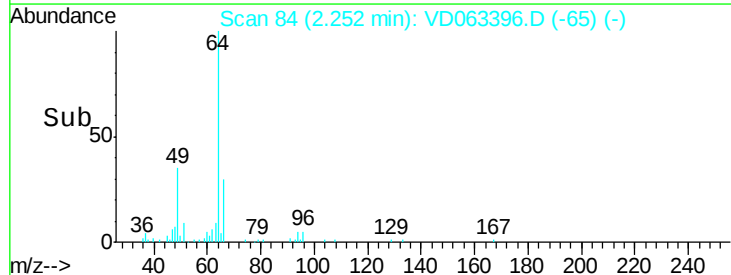
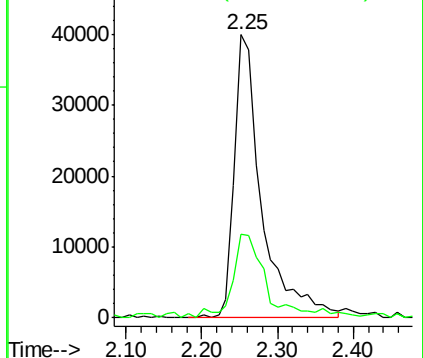
64 100

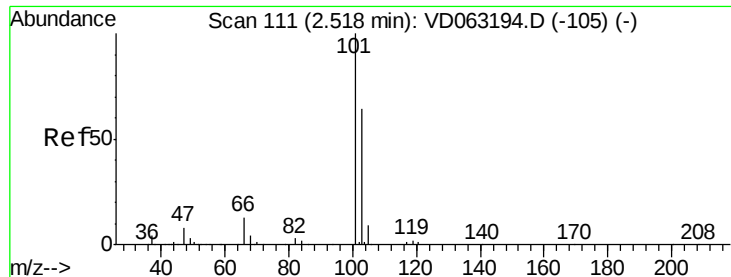
66 29.7 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



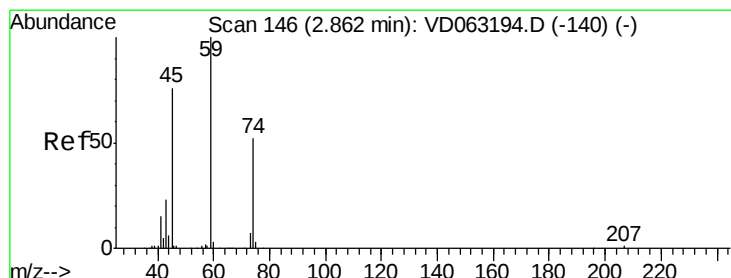
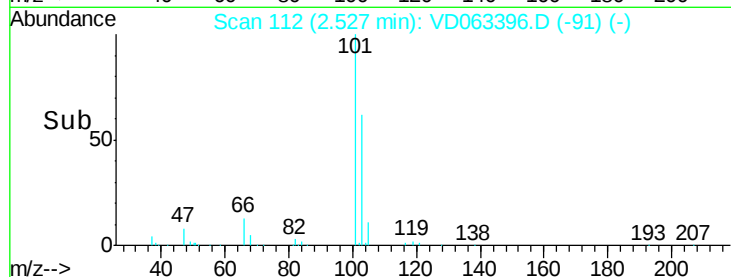
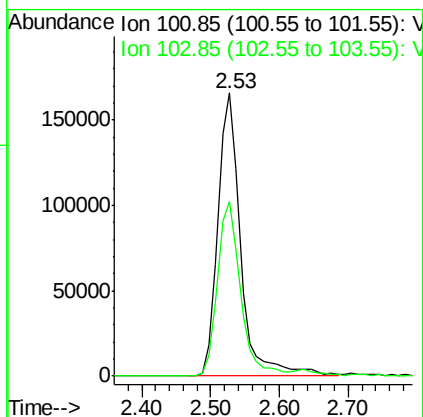
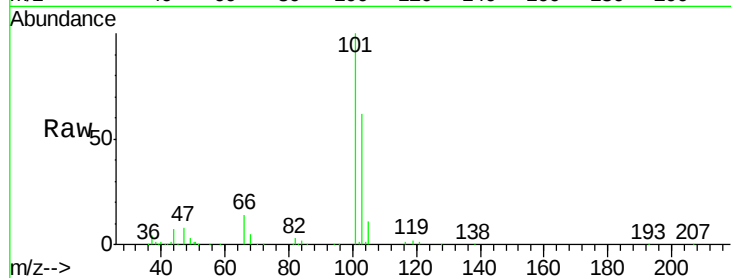


#7

Trichlorofluoromethane
 Concen: 18.367 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBSD01

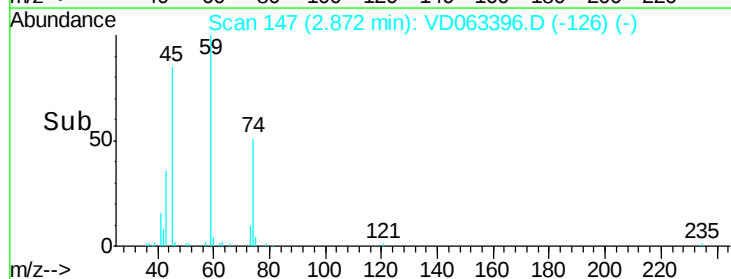
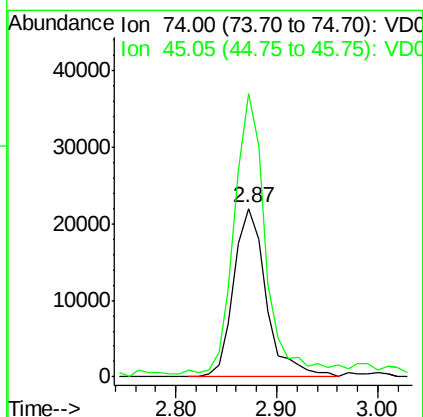
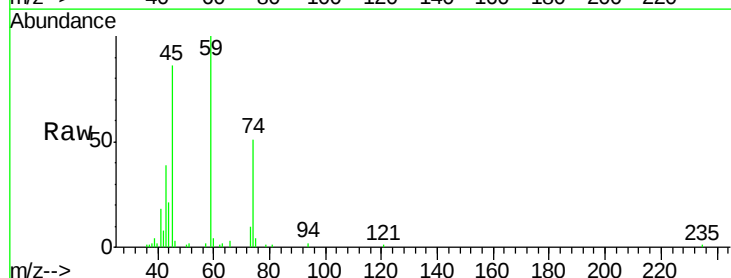
Tot Ion:101 Resp: 380960
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.5 77.3

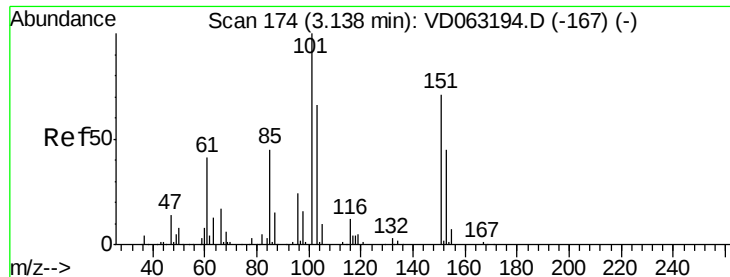


#8

Diethyl Ether
 Concen: 17.002 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Tgt Ion: 74 Resp: 49356
 Ion Ratio Lower Upper
 74 100
 45 167.8 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.245 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

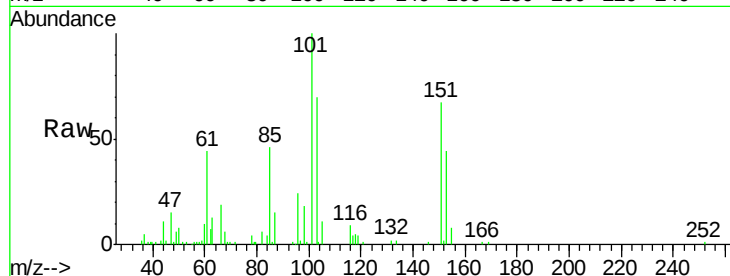
Tot Ion:101 Resp: 221116

Ion Ratio Lower Upper

101 100

85 45.9 36.1 54.1

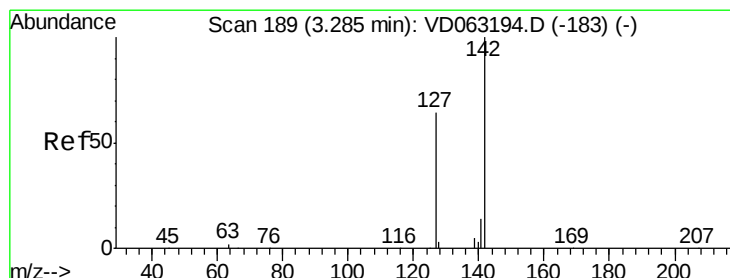
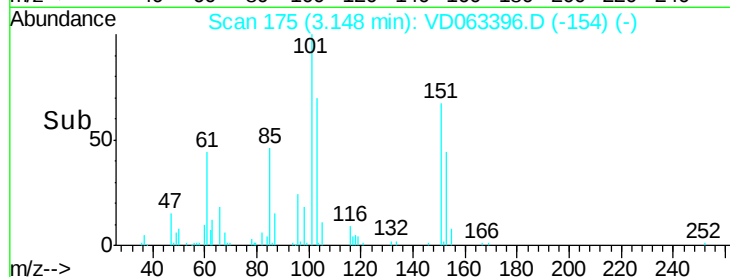
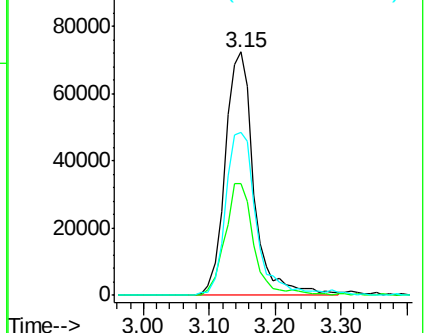
151 67.0 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.084 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

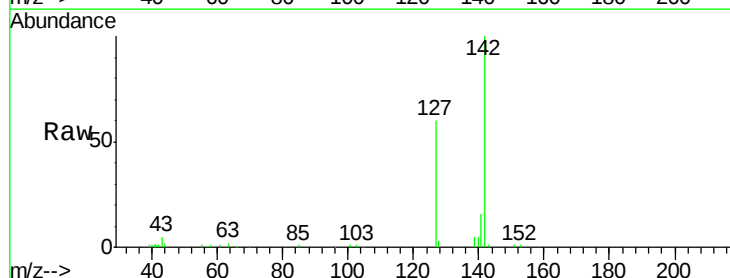
Tgt Ion:142 Resp: 283553

Ion Ratio Lower Upper

142 100

127 59.8 50.8 76.2

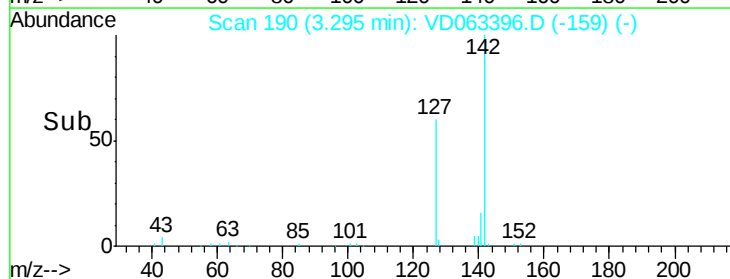
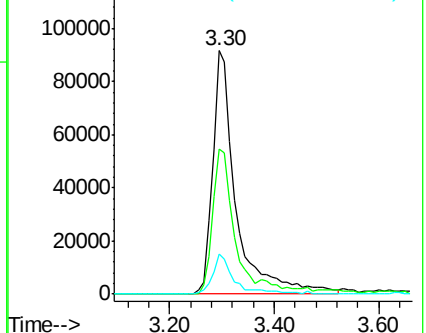
141 16.3 11.4 17.2

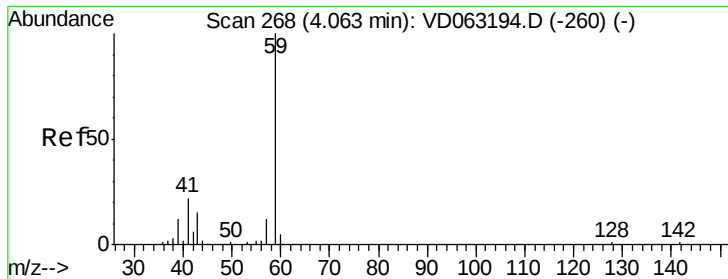


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

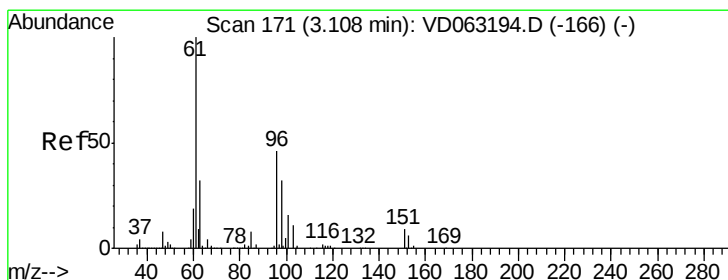
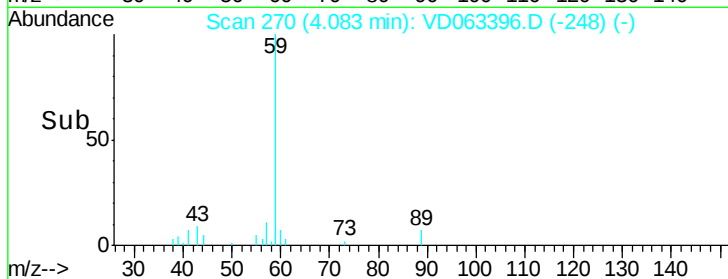
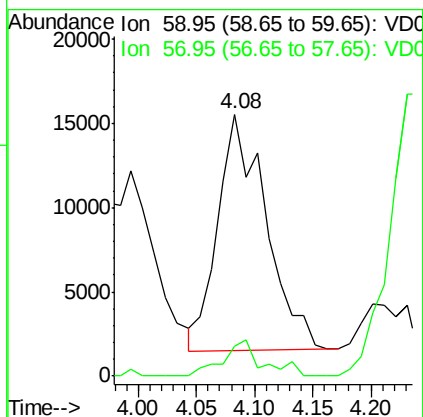
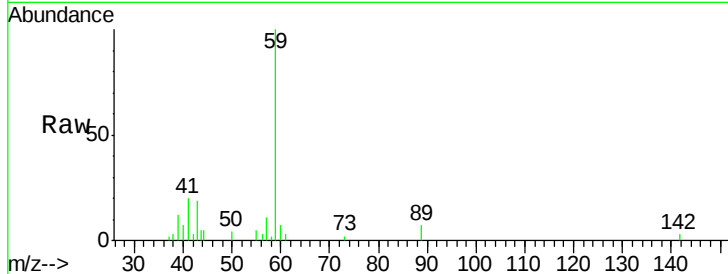




#11
Tert butyl alcohol
Concen: 75.688 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

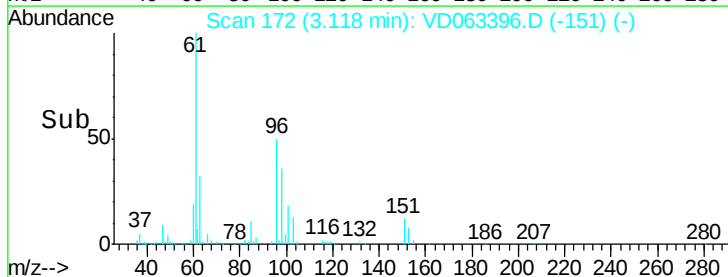
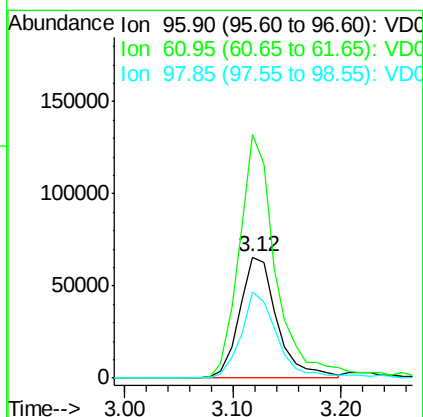
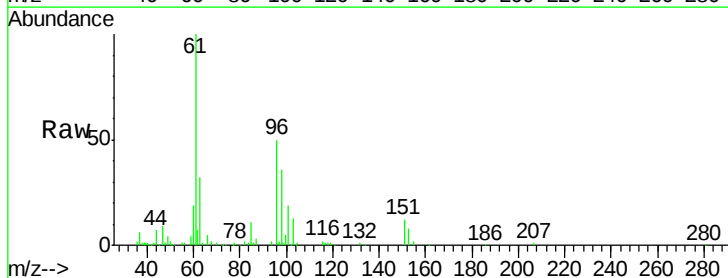
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

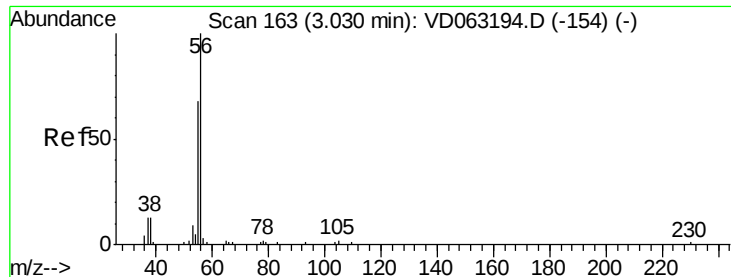
Tot Ion: 59 Resp: 40080
Ion Ratio Lower Upper
59 100
57 11.4 9.6 14.4



#12
1,1-Dichloroethene
Concen: 18.701 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 96 Resp: 157742
Ion Ratio Lower Upper
96 100
61 201.5 173.7 260.5
98 71.7 55.8 83.8





#13

Acrolein

Concen: 64.309 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

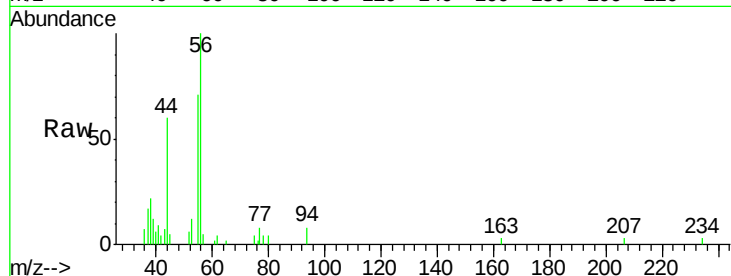
VD0806SBSD01

Tot Ion: 56 Resp: 32774

Ion Ratio Lower Upper

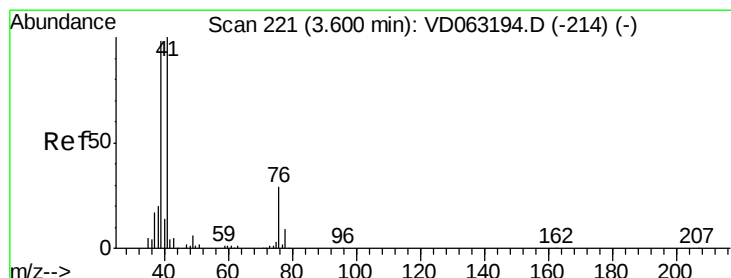
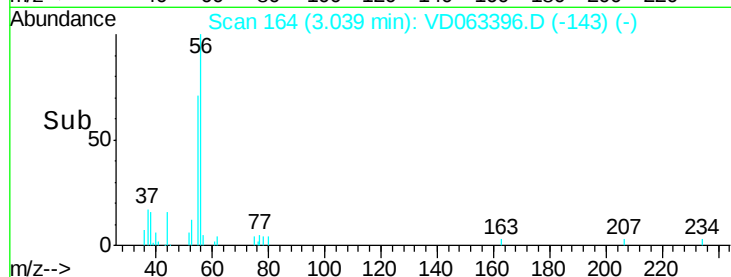
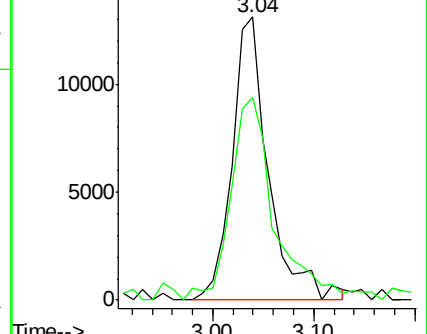
56 100

55 71.5 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.715 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

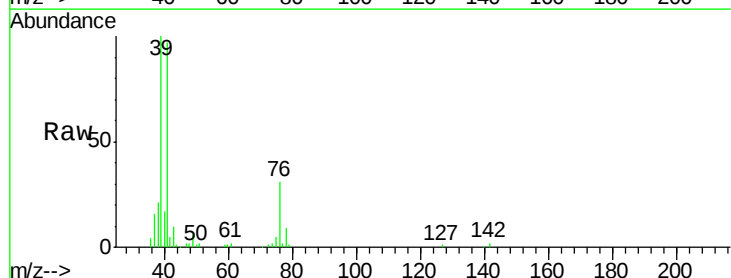
Tgt Ion: 41 Resp: 251470

Ion Ratio Lower Upper

41 100

39 103.4 78.6 117.8

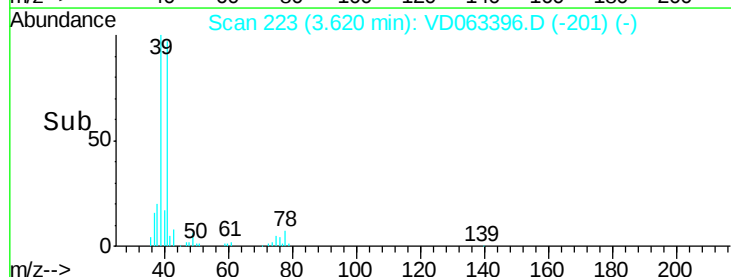
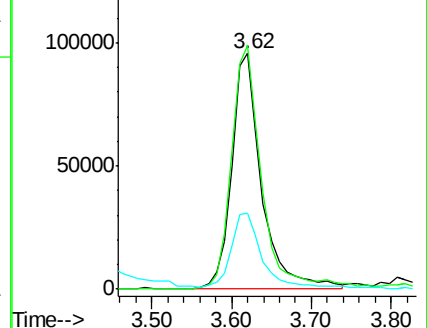
76 32.1 24.5 36.7

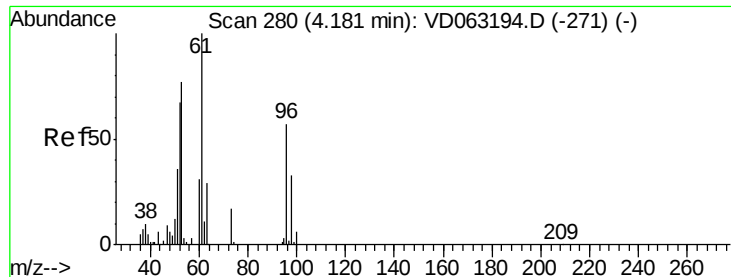


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 97.681 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

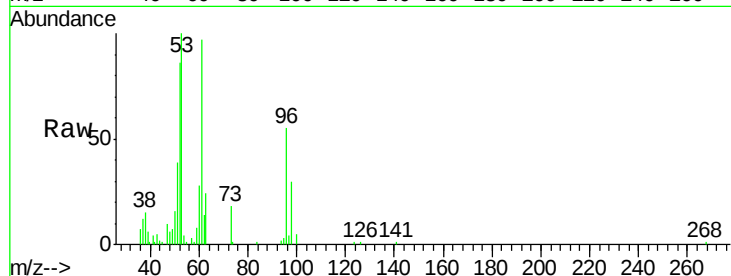
Tot Ion: 53 Resp: 134104

Ion Ratio Lower Upper

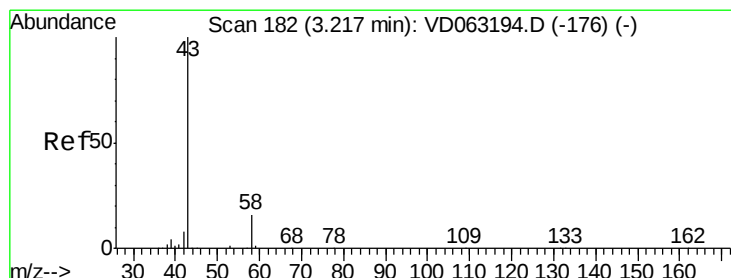
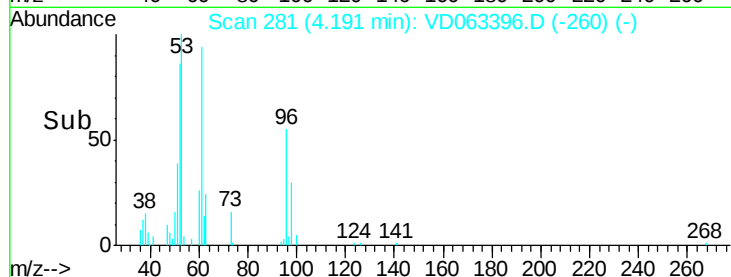
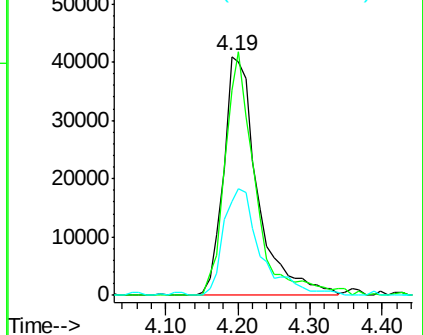
53 100

52 86.2 69.7 104.5

51 39.3 37.4 56.0



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



#16

Acetone

Concen: 92.954 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063396.D

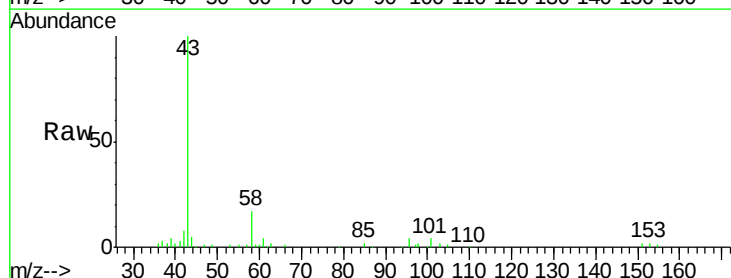
Acq: 6 Aug 2019 13:57

Tgt Ion: 43 Resp: 218538

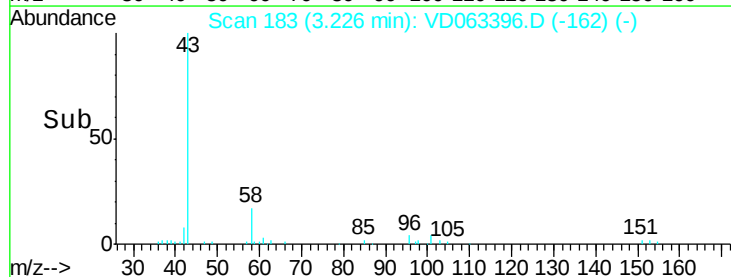
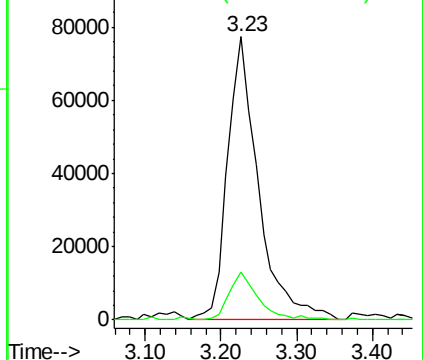
Ion Ratio Lower Upper

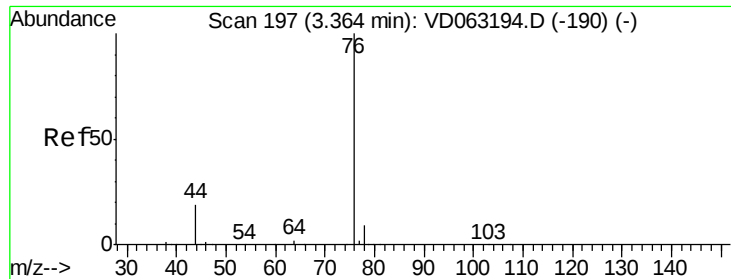
43 100

58 17.0 13.0 19.4



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

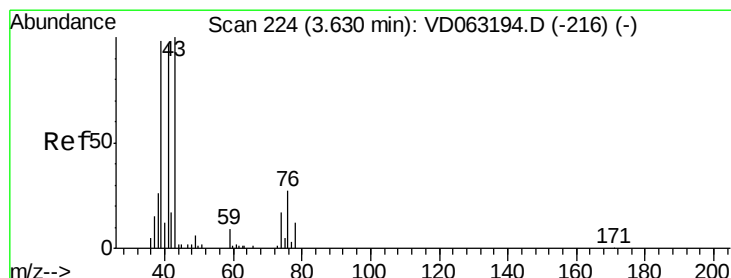
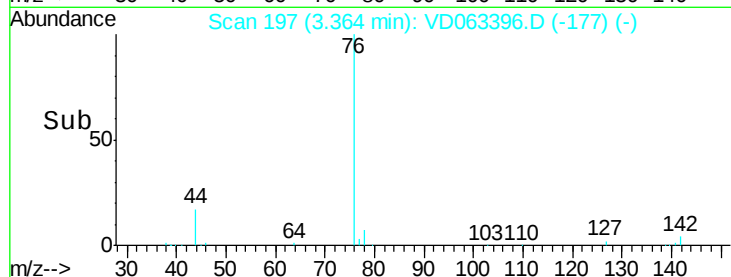
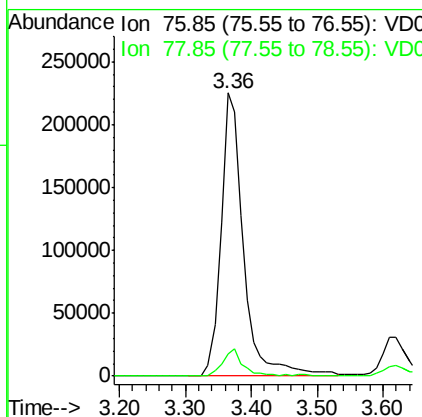
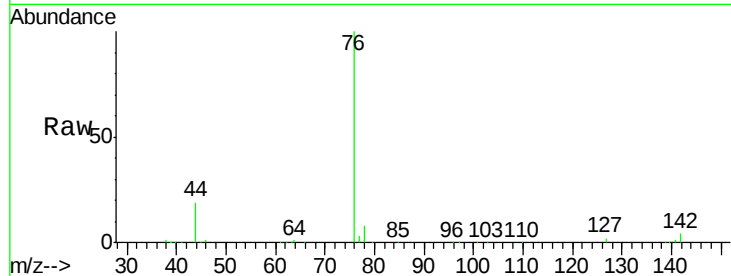




#17
Carbon Disulfide
Concen: 18.964 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

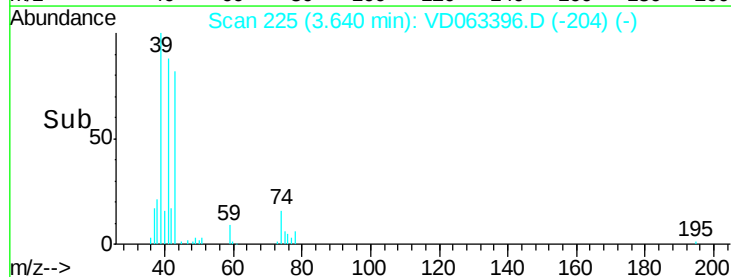
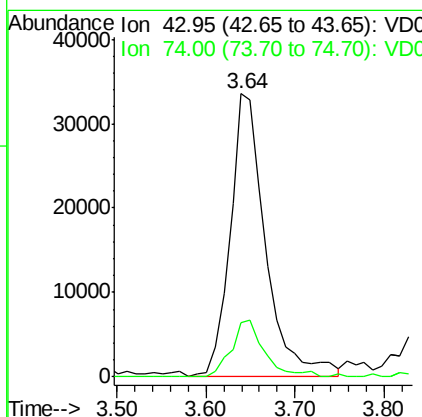
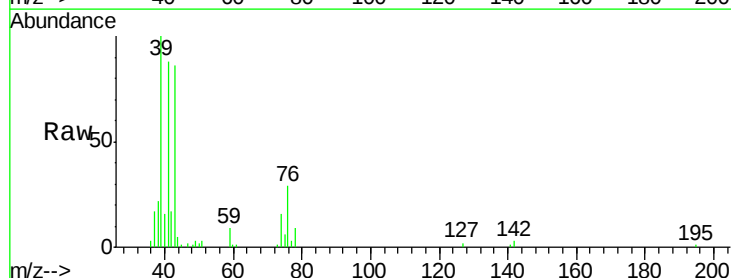
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

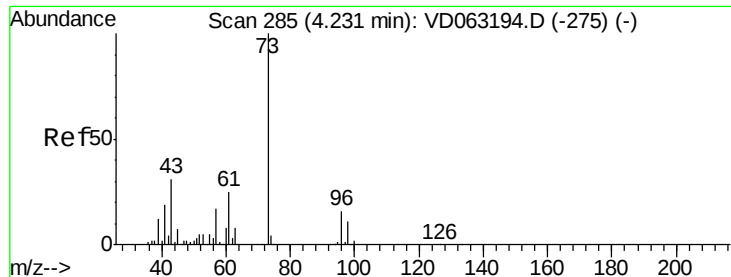
Tot Ion: 76 Resp: 535412
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.2



#18
Methyl Acetate
Concen: 20.566 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 43 Resp: 92877
Ion Ratio Lower Upper
43 100
74 19.2 13.8 20.8



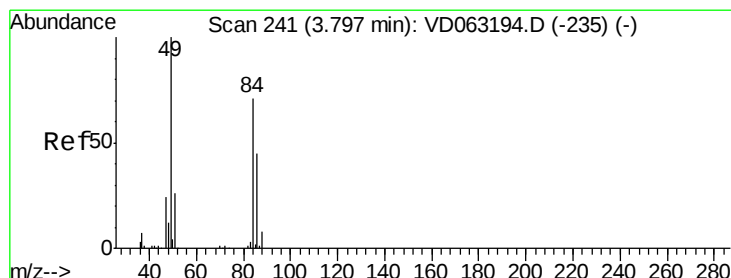
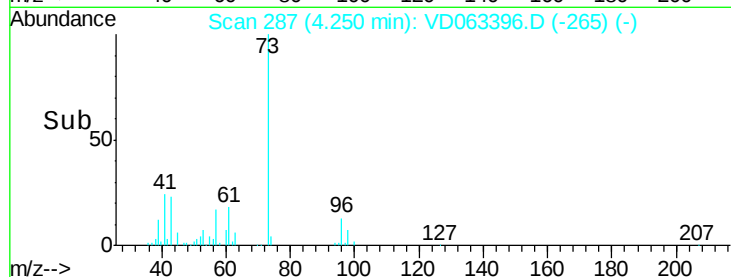
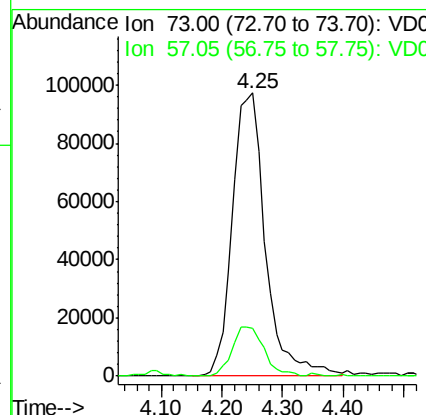
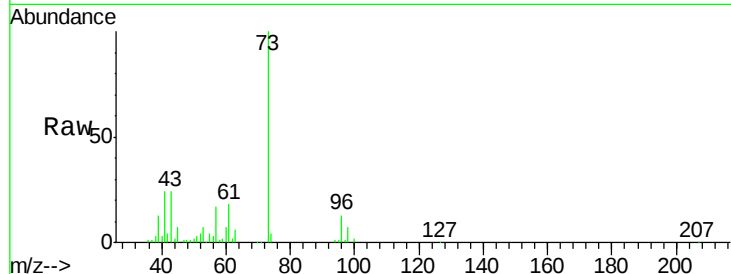


#19

Methyl tert-butyl Ether
 Concen: 19.371 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.02 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0806SBSD01

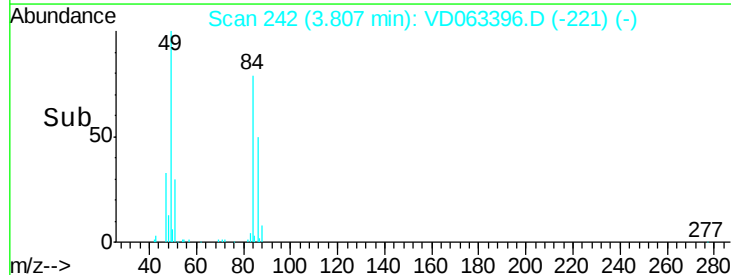
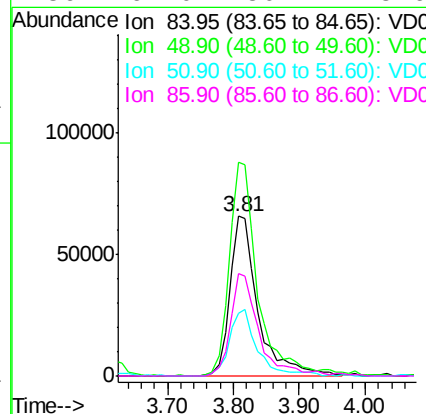
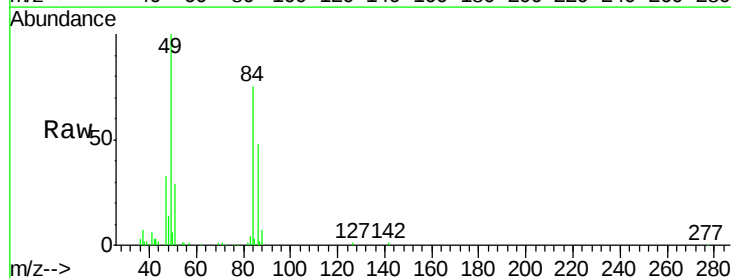
Tot Ion: 73 Resp: 369079
 Ion Ratio Lower Upper
 73 100
 57 17.0 13.8 20.6

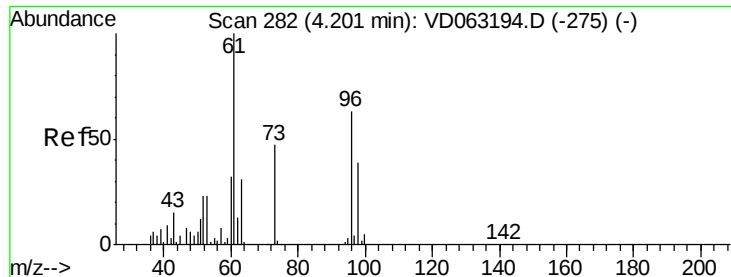


#20

Methylene Chloride
 Concen: 20.548 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Tgt Ion: 84 Resp: 195269
 Ion Ratio Lower Upper
 84 100
 49 133.5 112.5 168.7
 51 39.3 29.6 44.4
 86 64.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.171 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

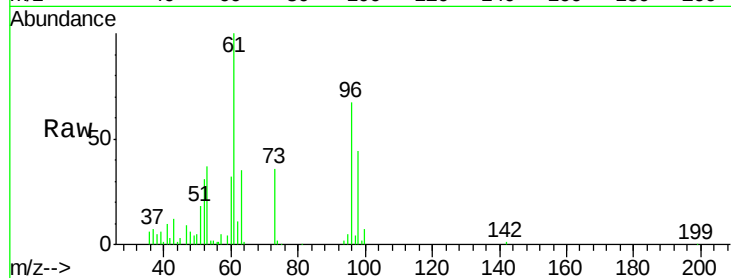
Tot Ion: 96 Resp: 190899

Ion Ratio Lower Upper

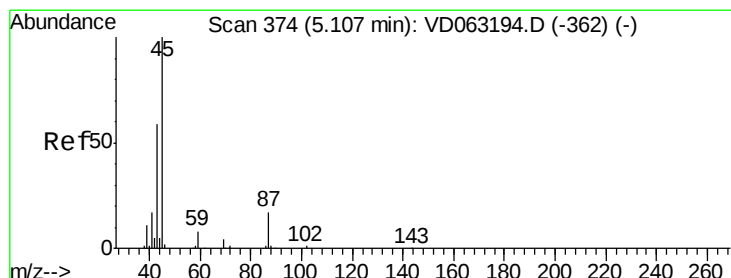
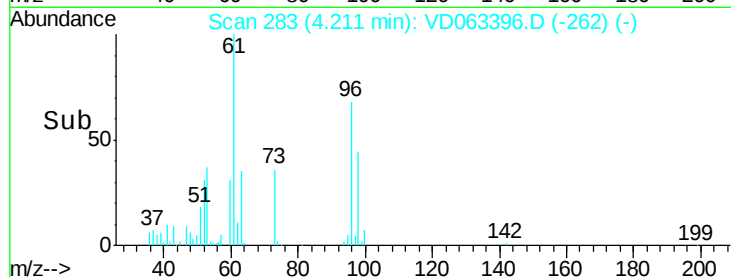
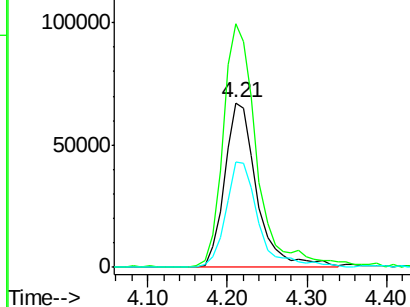
96 100

61 148.3 127.4 191.2

98 64.5 49.3 73.9



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



#22

Diisopropyl ether

Concen: 19.862 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Tgt Ion: 45 Resp: 533215

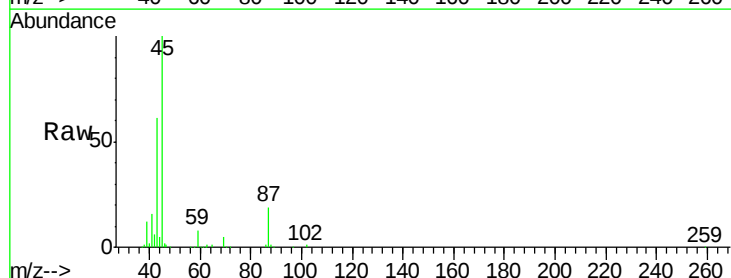
Ion Ratio Lower Upper

45 100

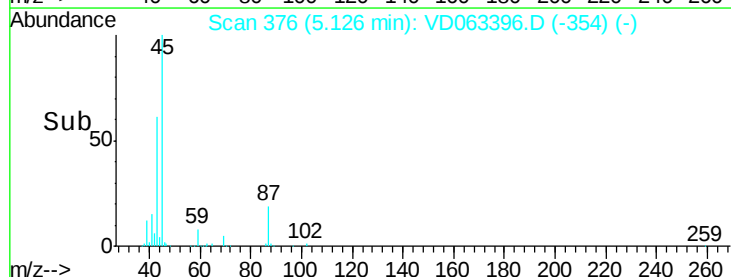
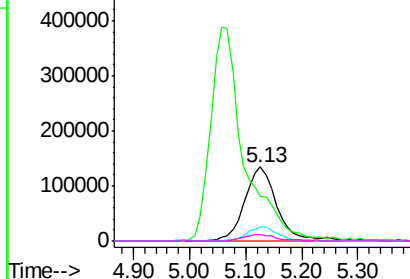
43 61.4 51.7 77.5

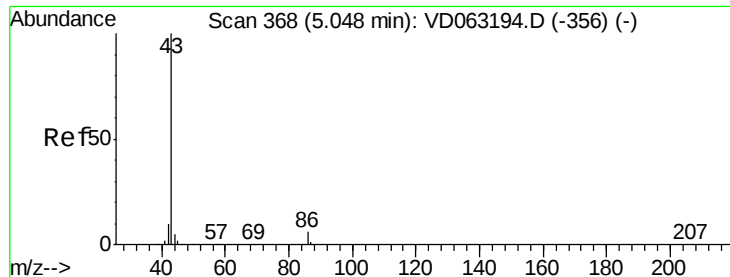
87 19.3 14.6 21.8

59 8.4 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 97.335 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleID :

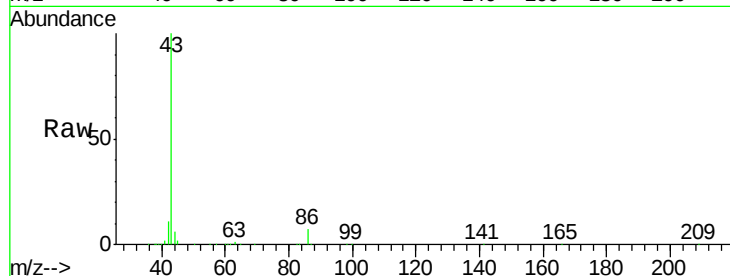
VD0806SBS01

Tot Ion: 43 Resp: 1606238

Ion Ratio Lower Upper

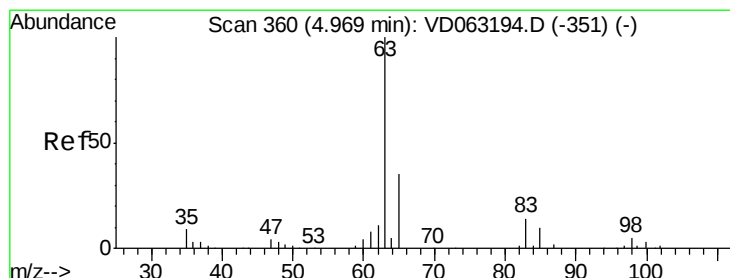
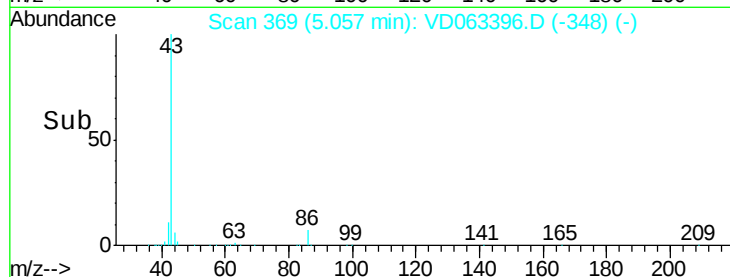
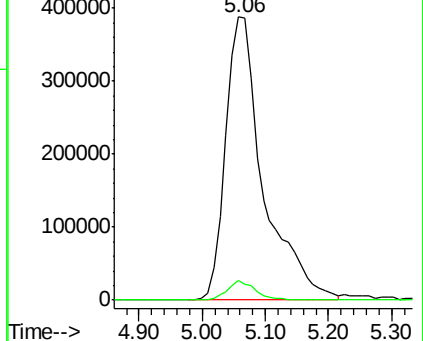
43 100

86 6.8 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.586 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

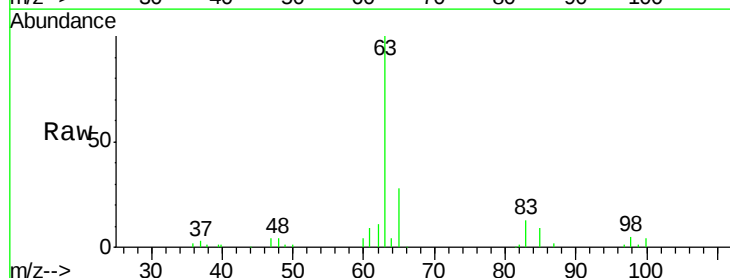
Tgt Ion: 63 Resp: 335862

Ion Ratio Lower Upper

63 100

98 4.7 2.8 8.4

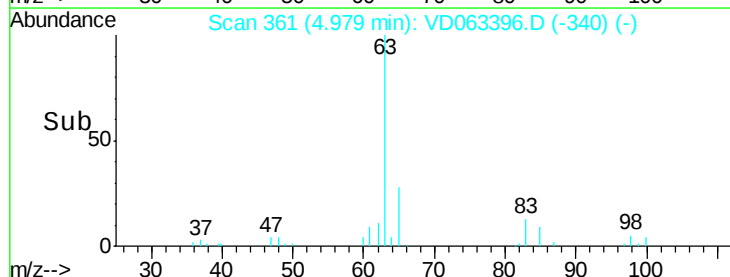
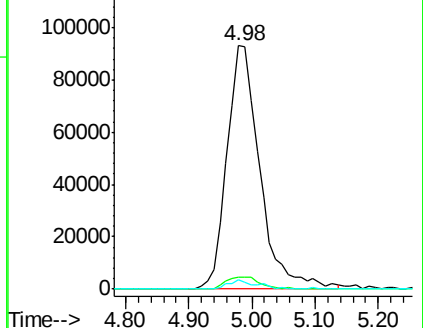
100 3.9 1.3 3.9#

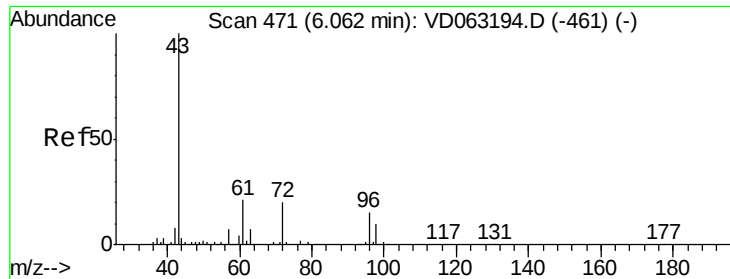


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 95.783 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

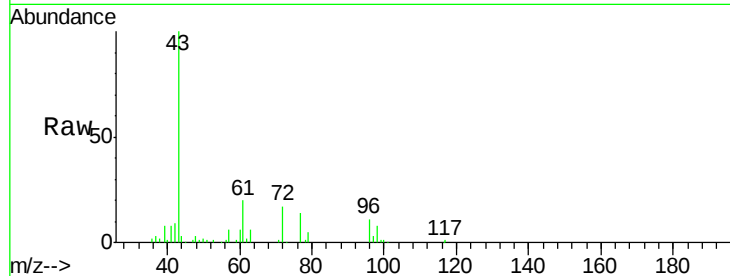
VD0806SBSD01

Tot Ion: 43 Resp: 225996

Ion Ratio Lower Upper

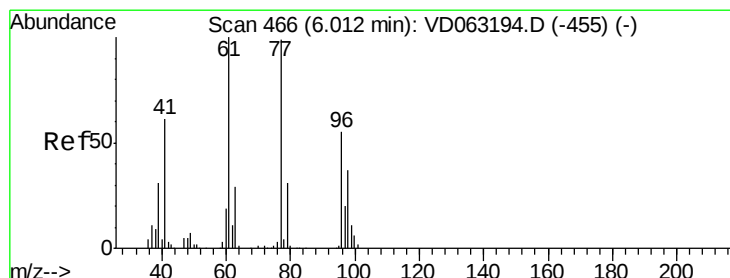
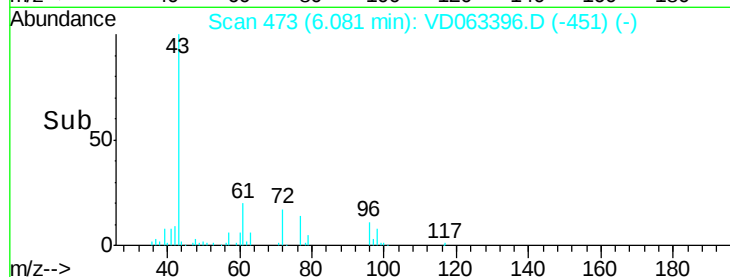
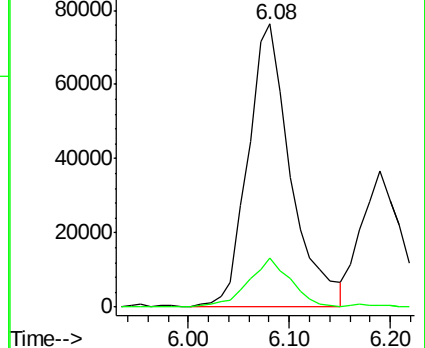
43 100

72 17.3 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.994 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063396.D

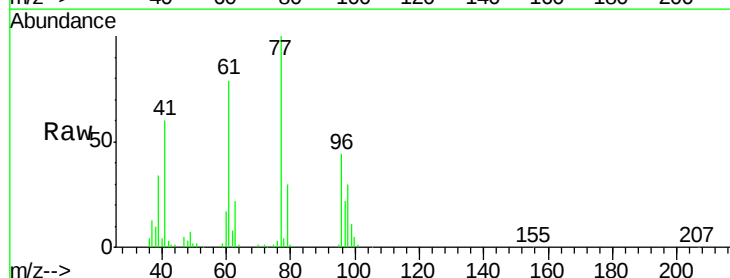
Acq: 6 Aug 2019 13:57

Tgt Ion: 77 Resp: 335645

Ion Ratio Lower Upper

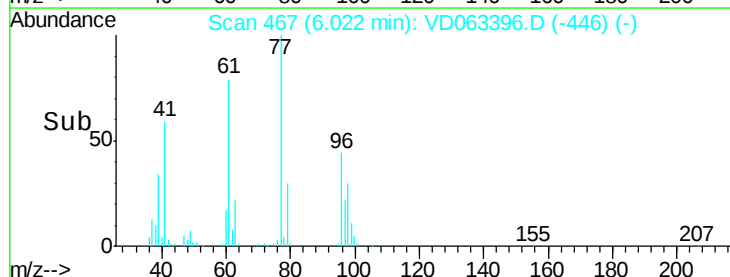
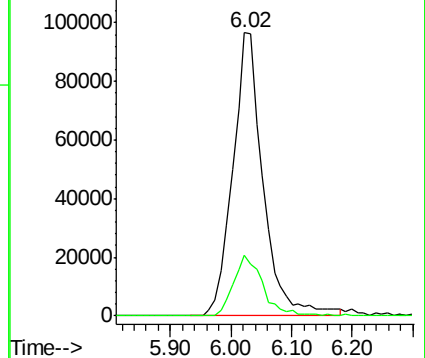
77 100

97 21.5 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



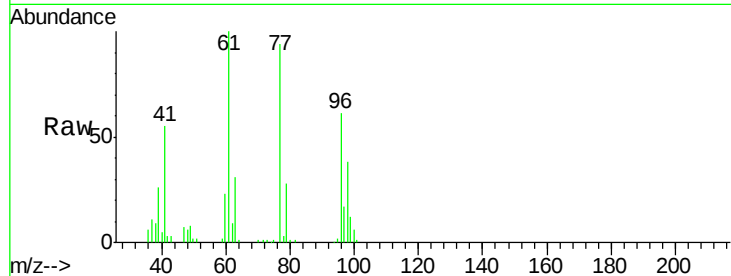


#27

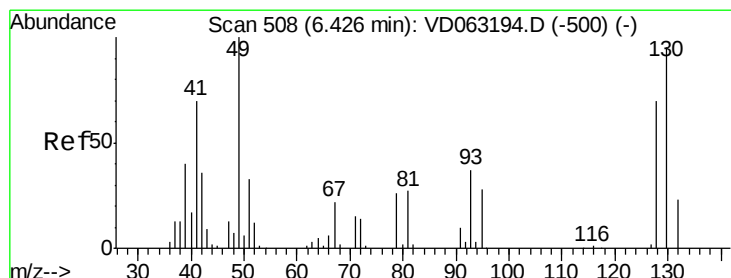
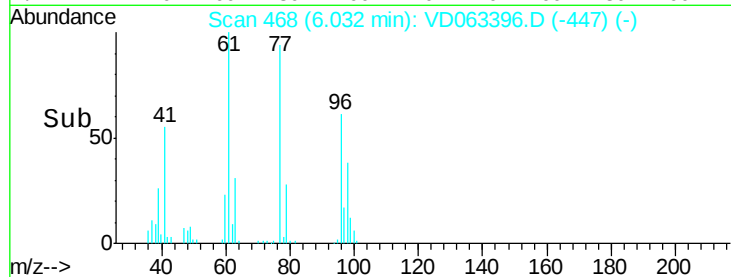
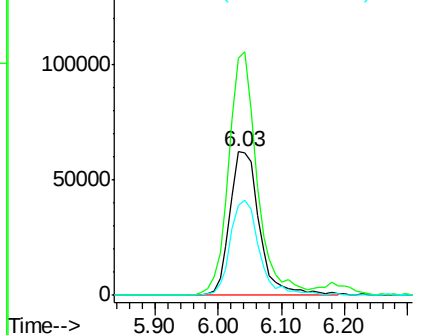
cis-1,2-Dichloroethene
 Concen: 20.001 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0806SBSD01

Tot Ion: 96 Resp: 202951
 Ion Ratio Lower Upper
 96 100
 61 164.8 0.0 337.2
 98 63.1 0.0 130.6



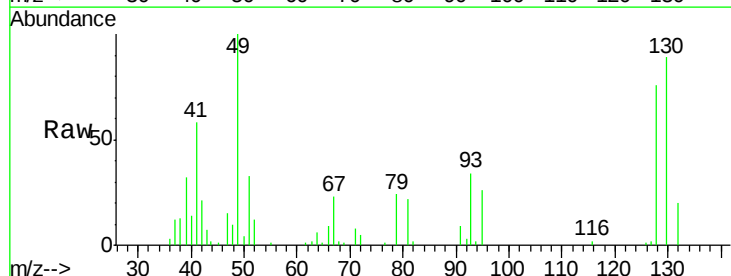
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



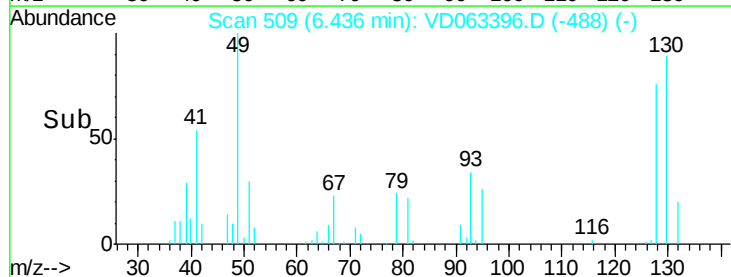
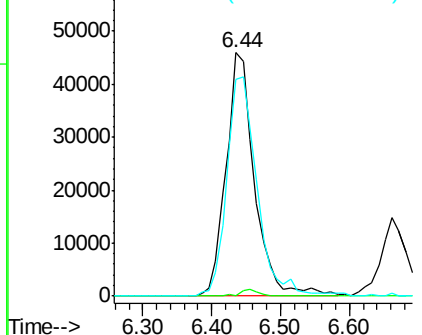
#28

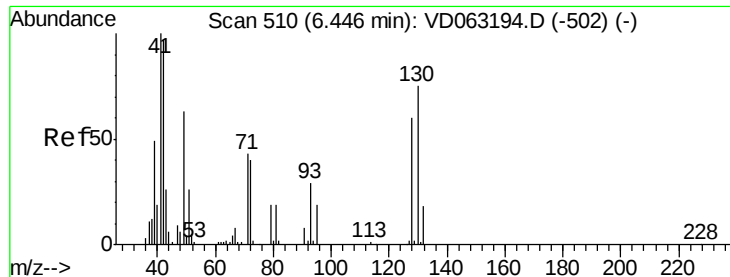
Bromochloromethane
 Concen: 19.283 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Tgt Ion: 49 Resp: 131743
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 89.1 75.7 113.5



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

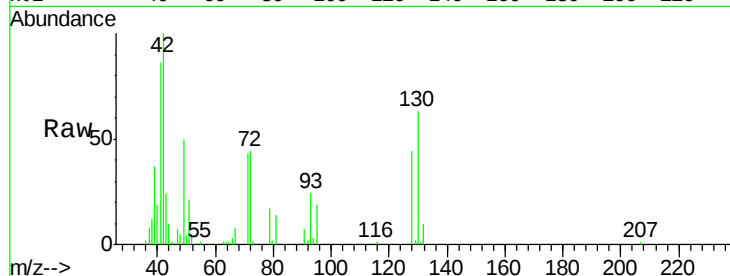




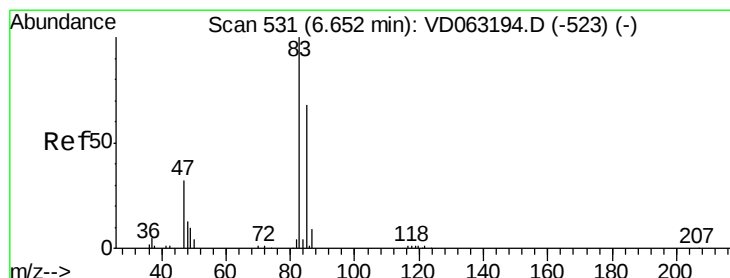
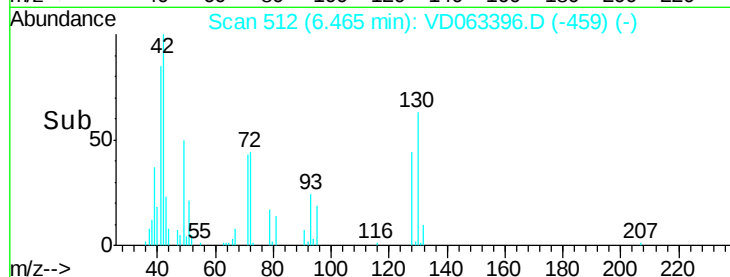
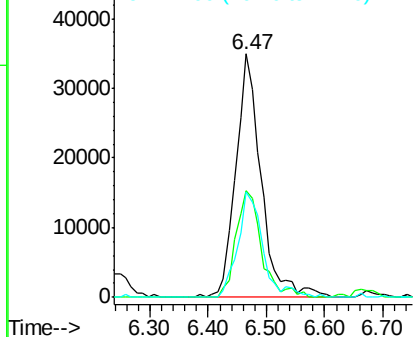
#29
Tetrahydrofuran
Concen: 94.566 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion: 42 Resp: 105638
Ion Ratio Lower Upper
42 100
72 44.1 33.4 50.2
71 42.8 35.7 53.5

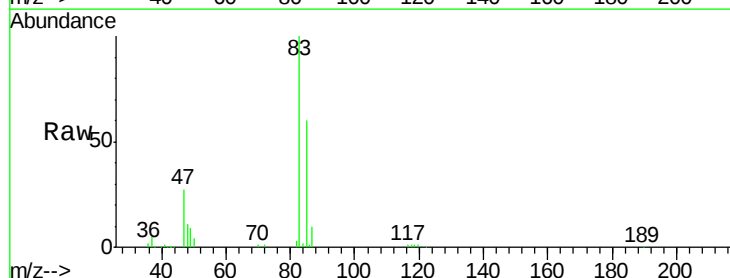


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

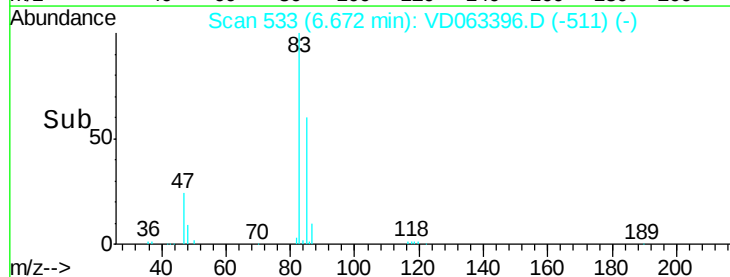
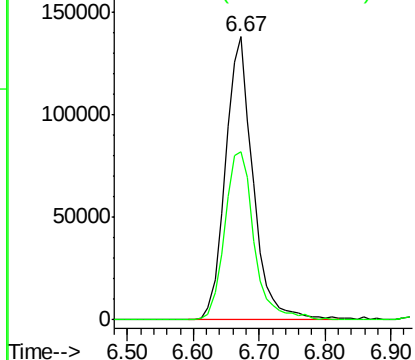


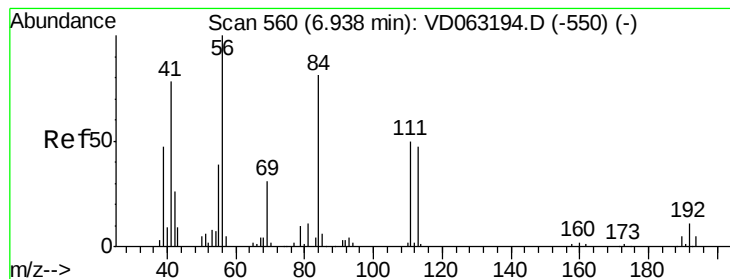
#30
Chloroform
Concen: 19.028 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.02 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 83 Resp: 404929
Ion Ratio Lower Upper
83 100
85 59.6 54.2 81.4



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





#31

Cyclohexane

Concen: 20.318 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

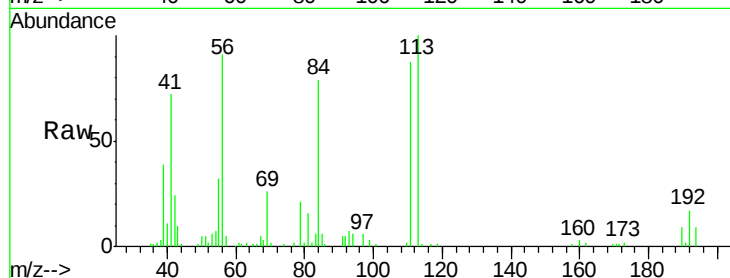
Tot Ion: 56 Resp: 218381

Ion Ratio Lower Upper

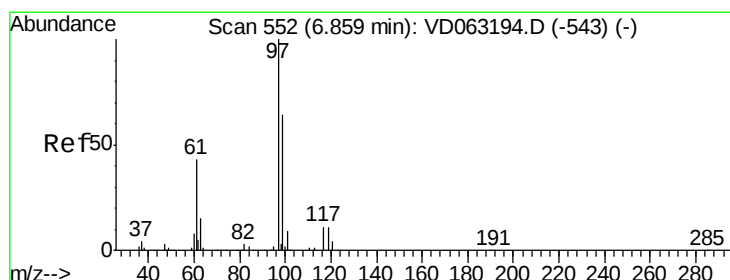
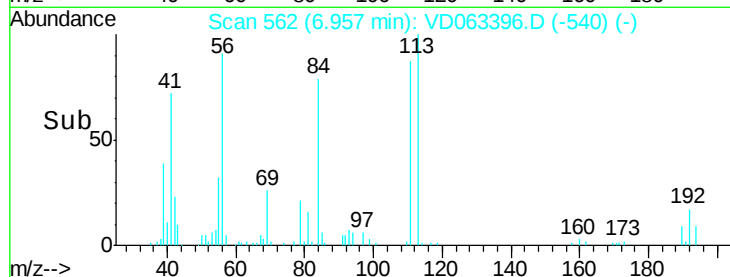
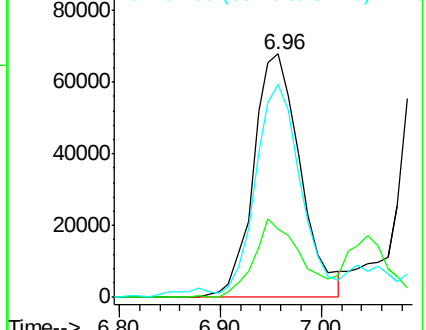
56 100

69 28.2 24.5 36.7

84 87.5 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 19.876 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.02 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

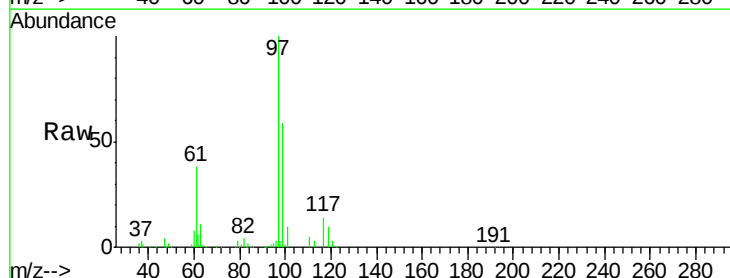
Tgt Ion: 97 Resp: 409123

Ion Ratio Lower Upper

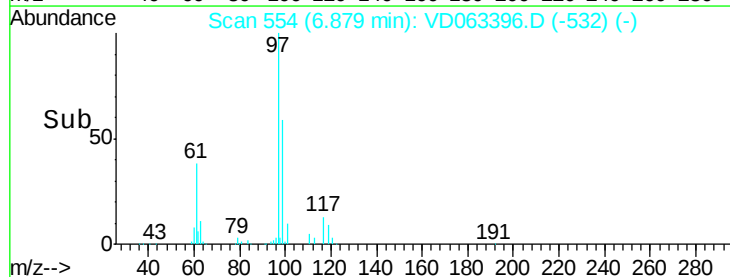
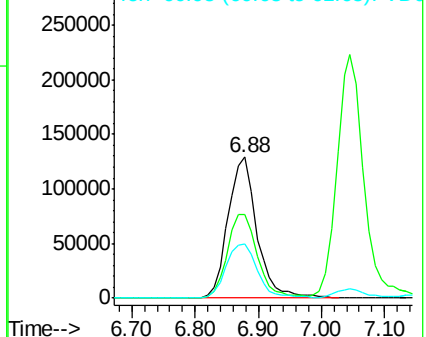
97 100

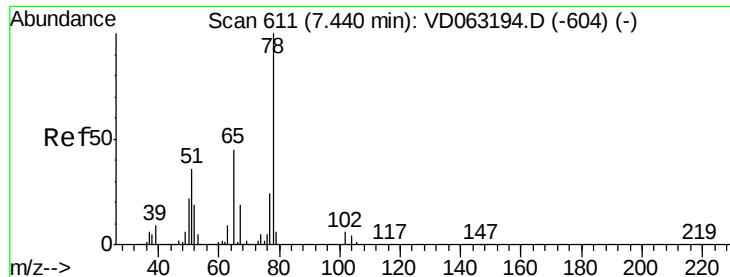
99 59.1 51.2 76.8

61 38.4 34.2 51.2



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

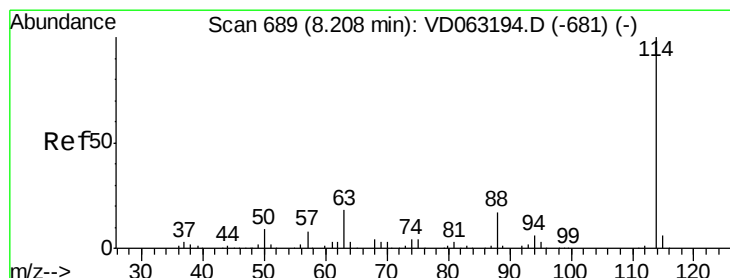
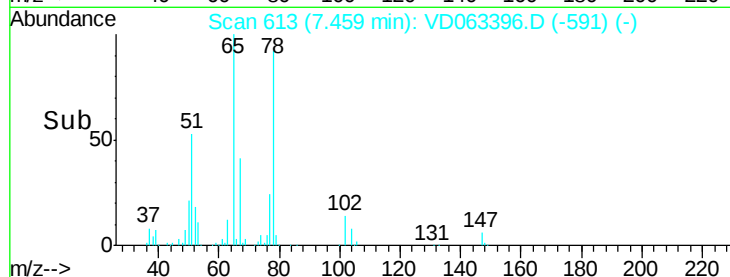
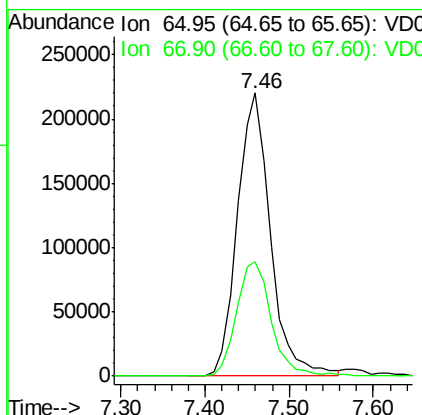
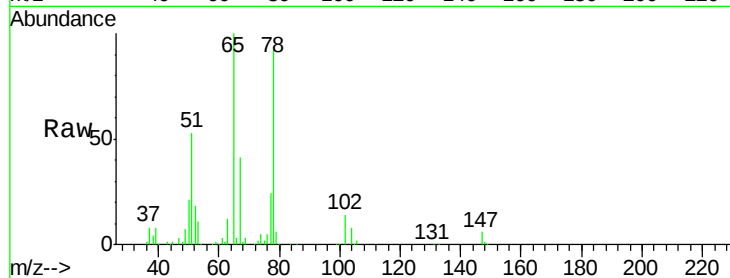




#33
 1,2-Dichloroethane-d4
 Concen: 49.970 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

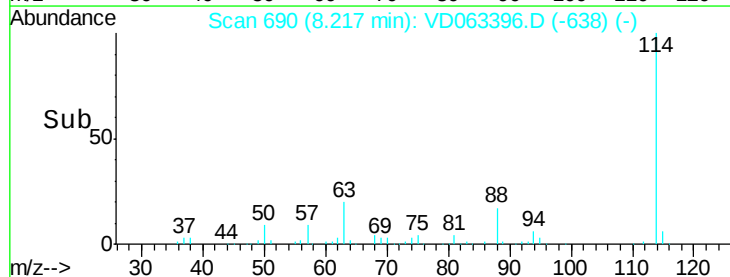
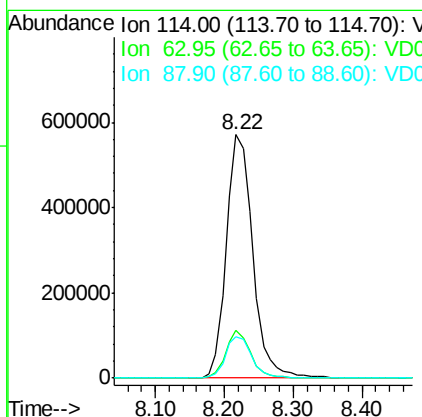
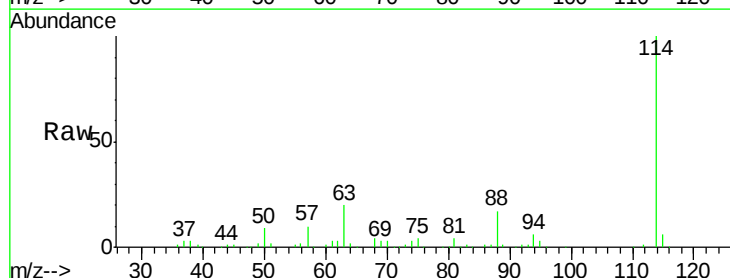
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBSD01

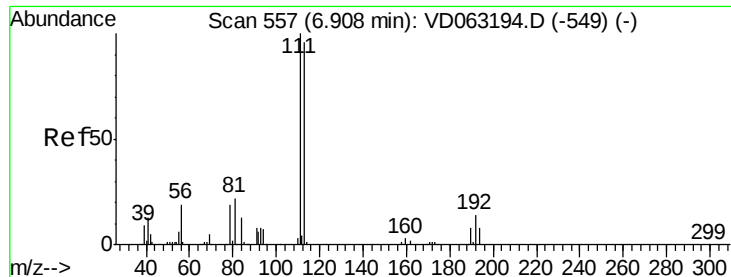
Tot Ion: 65 Resp: 602971
 Ion Ratio Lower Upper
 65 100
 67 40.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Tgt Ion: 114 Resp: 1520853
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 35.2
 88 17.1 0.0 34.6





#35

Dibromofluoromethane

Concen: 54.320 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

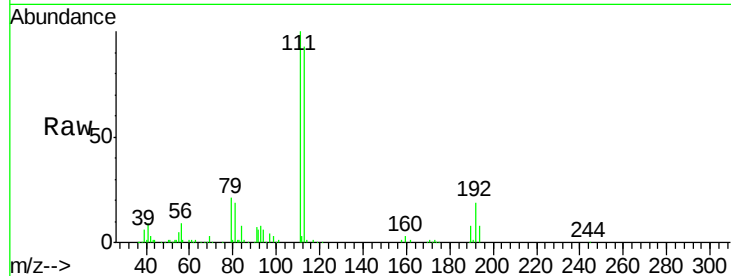
Tot Ion:113 Resp: 705338

Ion Ratio Lower Upper

113 100

111 107.3 83.2 124.8

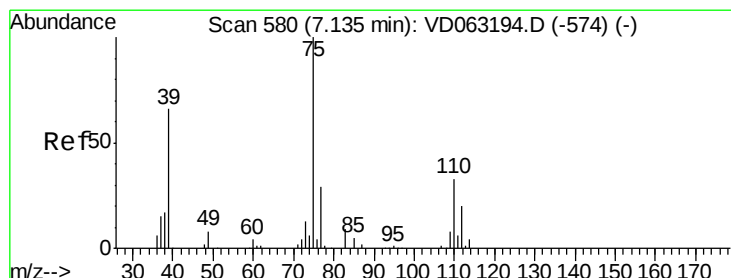
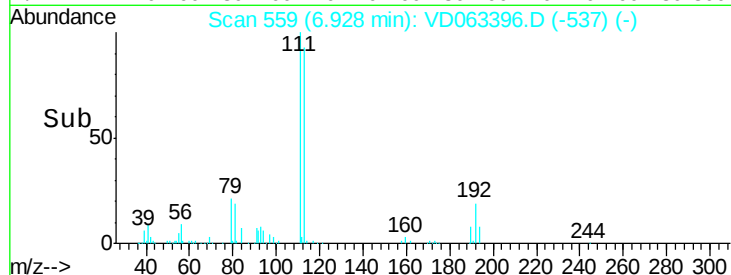
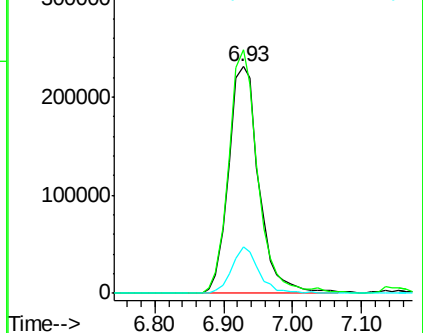
192 20.3 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.234 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

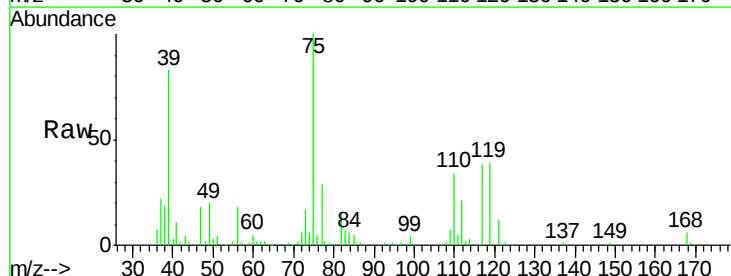
Tgt Ion: 75 Resp: 280846

Ion Ratio Lower Upper

75 100

110 33.8 16.1 48.2

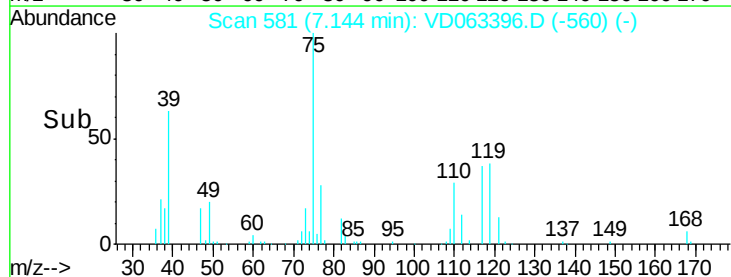
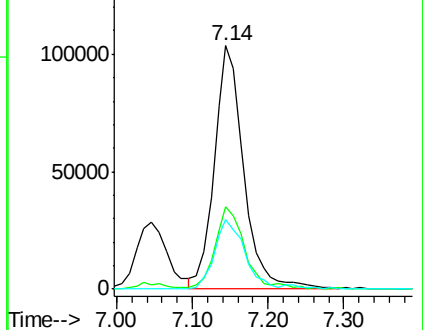
77 28.7 22.7 34.1

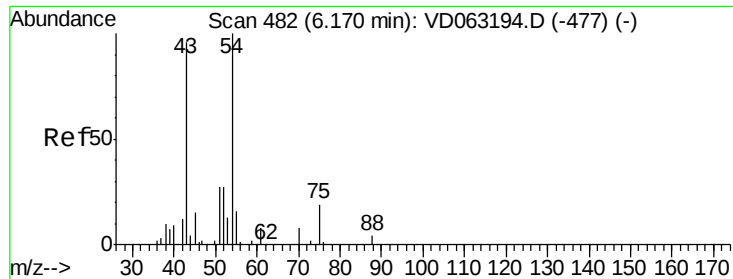


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

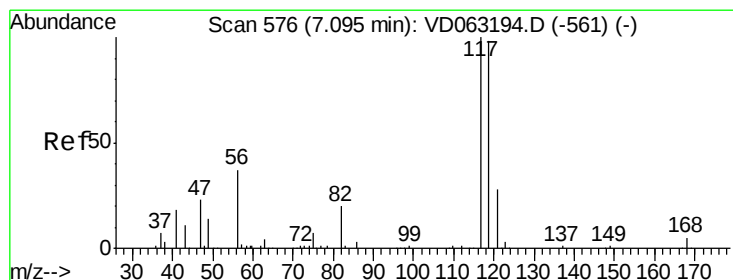
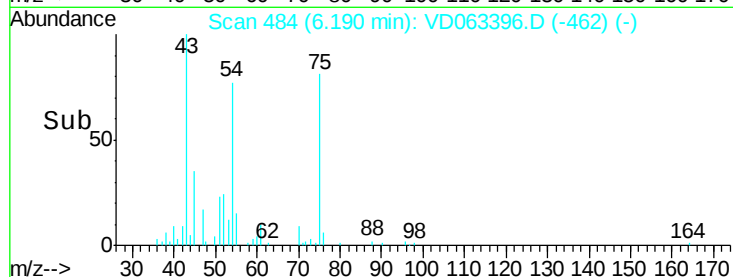
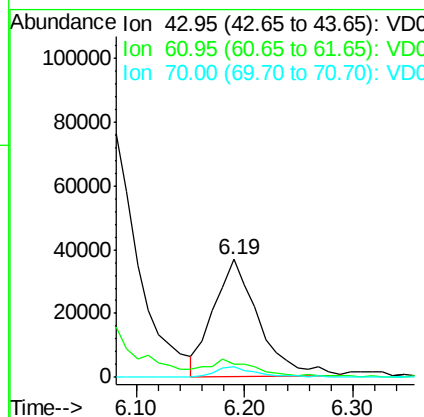
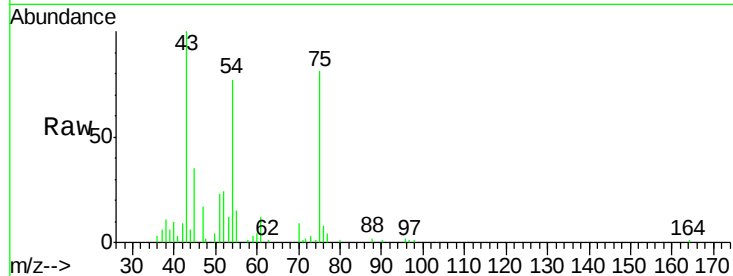




#37
Ethyl Acetate
Concen: 16.924 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

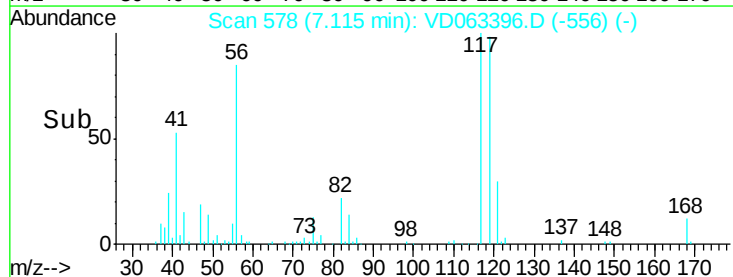
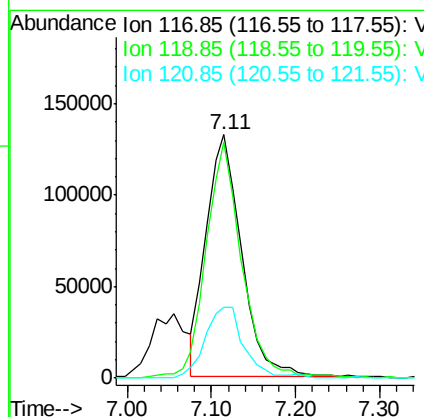
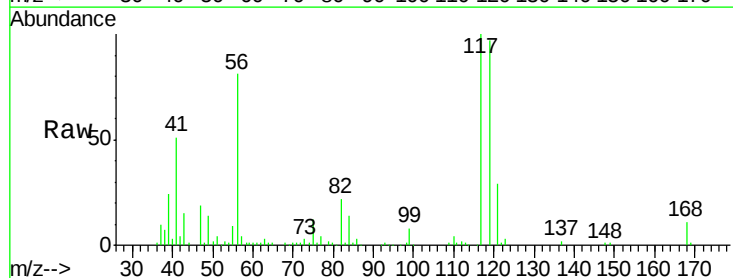
Instrument :
MSVOA_D
ClientSampleID :
VD0806SBSD01

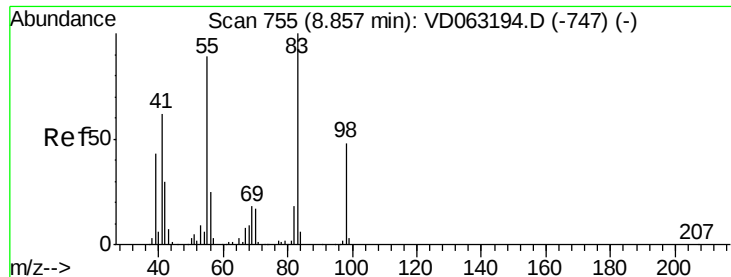
Tot Ion: 43 Resp: 105533
Ion Ratio Lower Upper
43 100
61 11.8 11.3 16.9
70 8.7 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 18.464 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 117 Resp: 385815
Ion Ratio Lower Upper
117 100
119 97.0 78.2 117.2
121 29.2 22.1 33.1

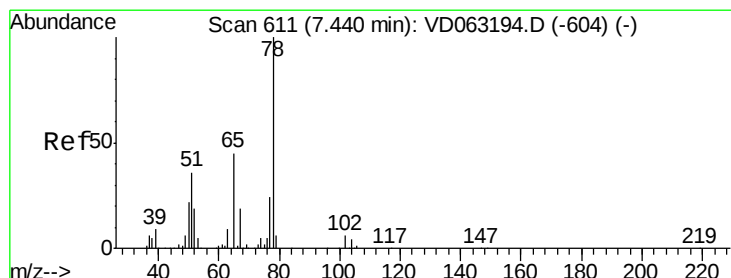
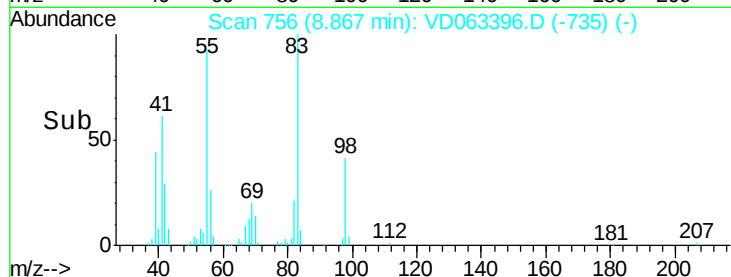
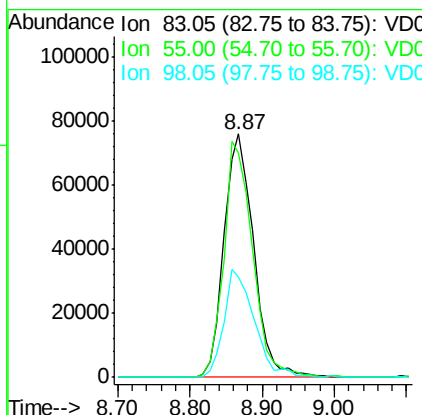
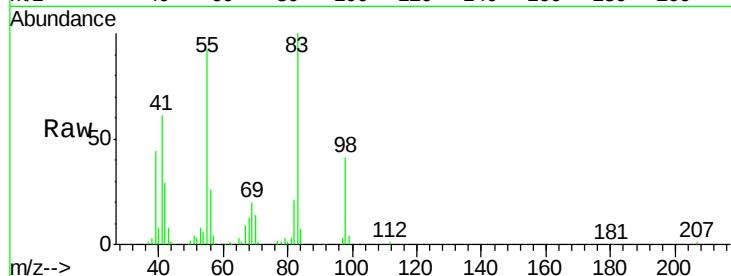




#39
Methvlcvclohexane
Concen: 18.680 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

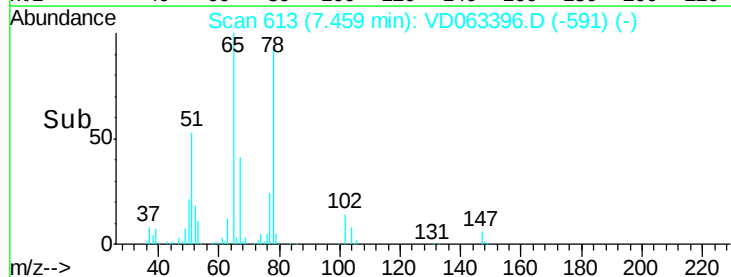
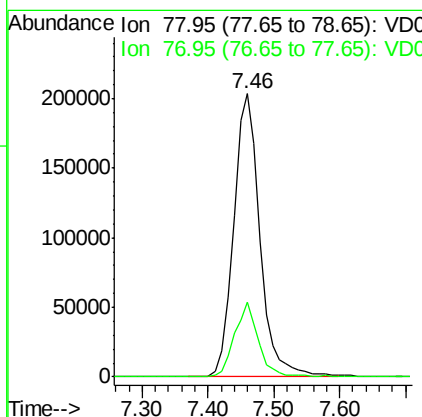
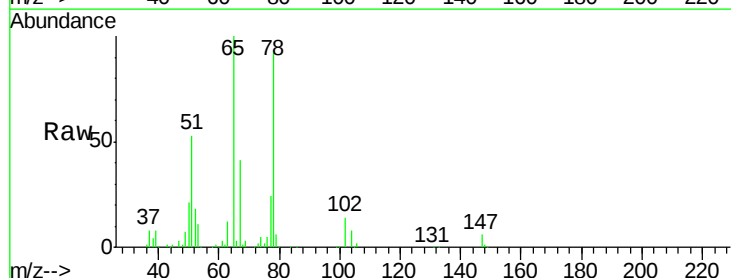
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

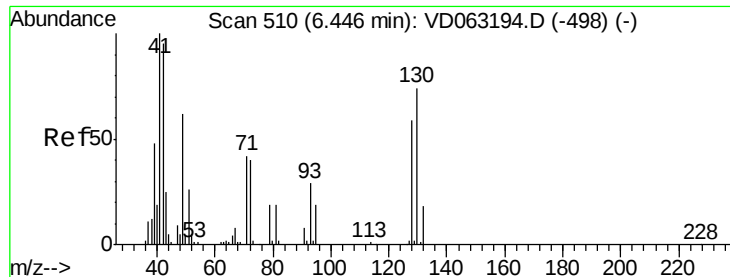
Tot Ion: 83 Resp: 216019
Ion Ratio Lower Upper
83 100
55 91.9 71.1 106.7
98 41.2 38.5 57.7



#40
Benzene
Concen: 19.541 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 78 Resp: 568429
Ion Ratio Lower Upper
78 100
77 26.3 19.4 29.2

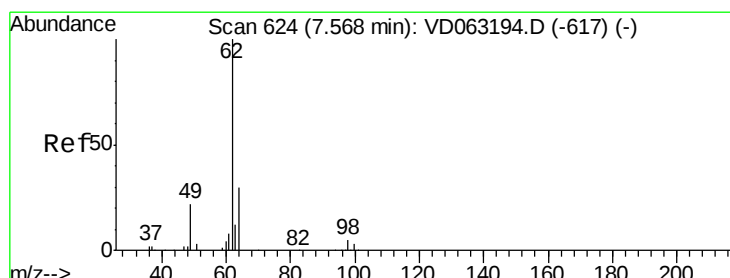
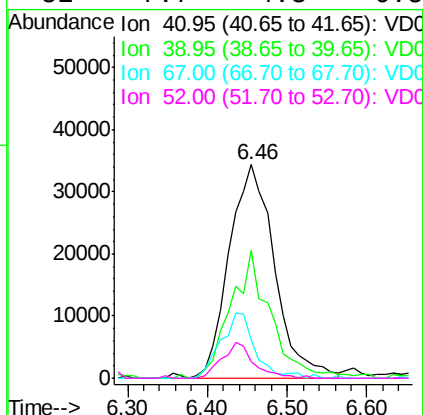
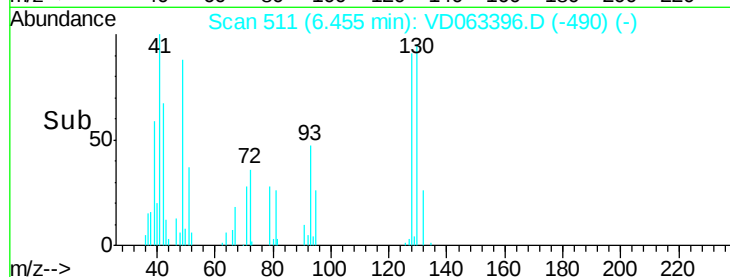
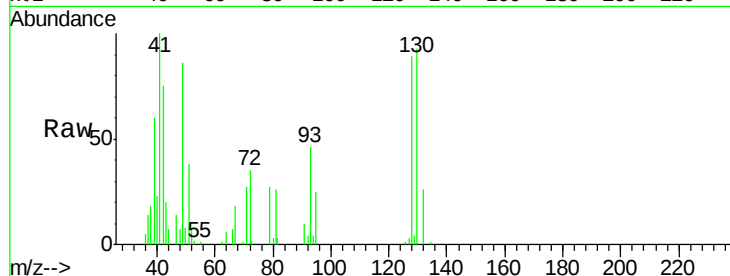




#41
Methacrylonitrile
Concen: 18.275 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

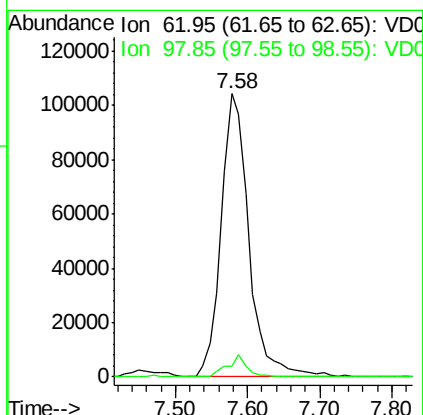
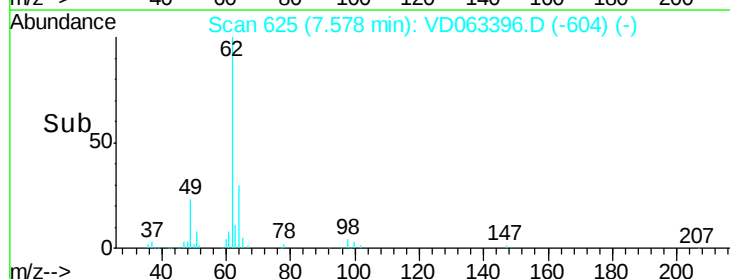
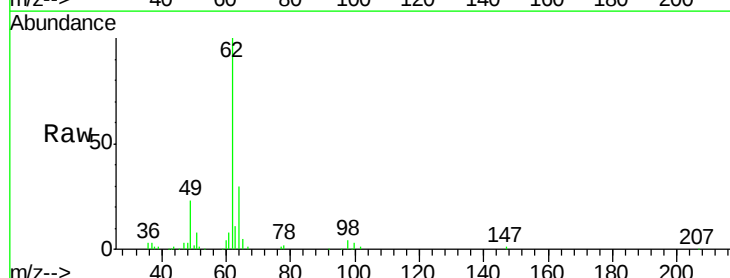
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

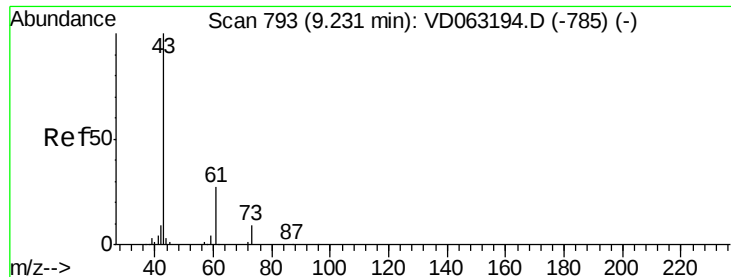
Tot Ion: 41 Resp: 136313
Ion Ratio Lower Upper
41 100
39 60.2 38.4 57.6#
67 17.9 6.7 10.1#
52 7.7 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 18.012 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 62 Resp: 277691
Ion Ratio Lower Upper
62 100
98 4.0 0.0 9.8



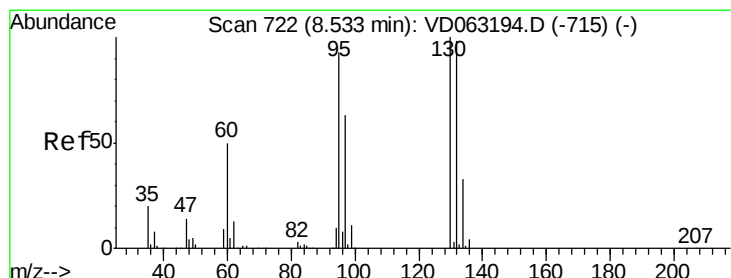
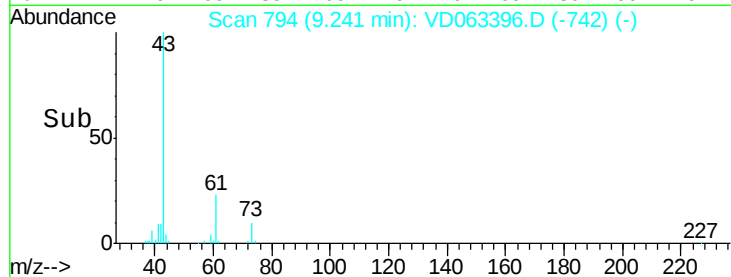
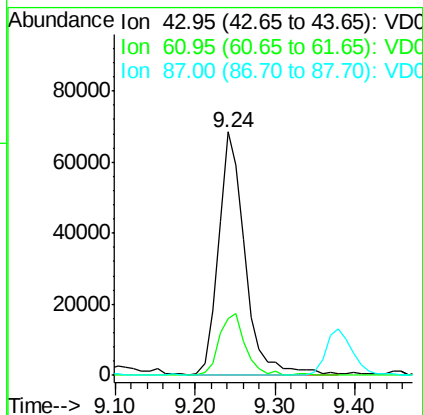
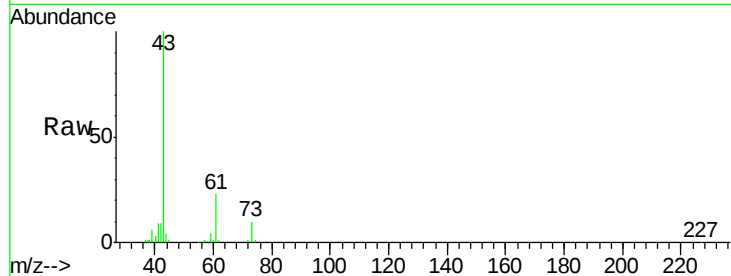


#43

Isopropyl Acetate
 Concen: 20.215 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBSD01

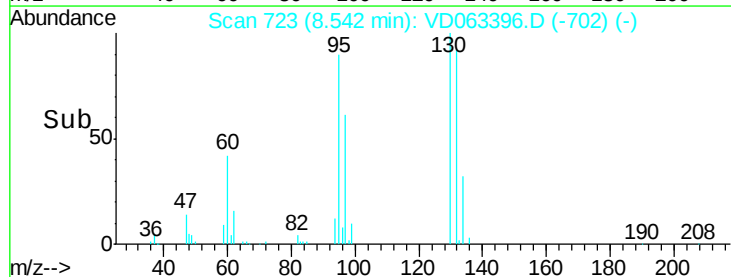
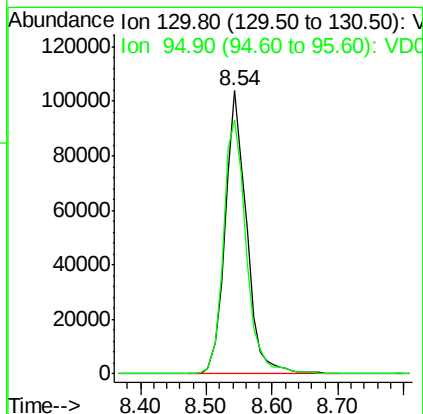
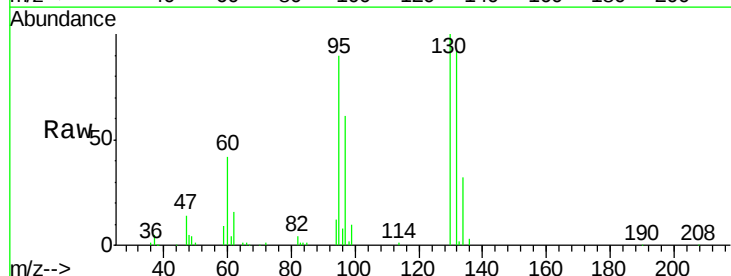
Tot Ion: 43 Resp: 161019
 Ion Ratio Lower Upper
 43 100
 61 23.5 21.4 32.0
 87 0.0 0.2 0.4#

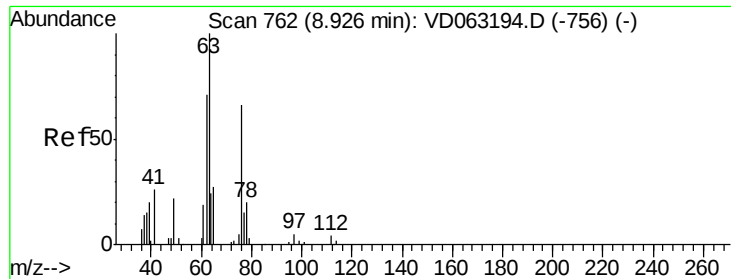


#44

Trichloroethene
 Concen: 20.135 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Tgt Ion: 130 Resp: 237333
 Ion Ratio Lower Upper
 130 100
 95 89.6 0.0 185.4





#45

1,2-Dichloropropane

Concen: 19.920 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

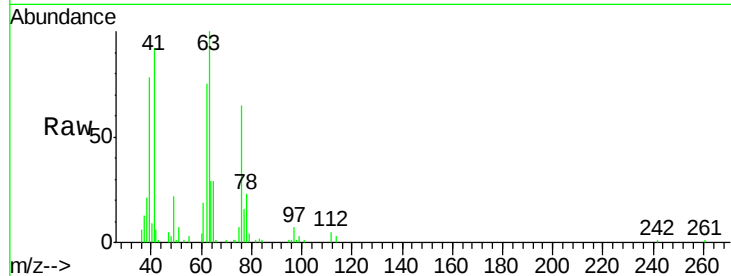
VD0806SBSD01

Tot Ion: 63 Resp: 147285

Ion Ratio Lower Upper

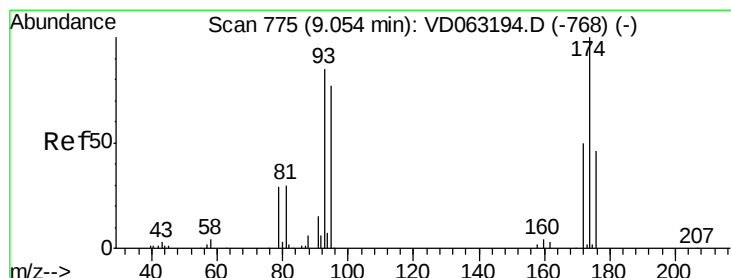
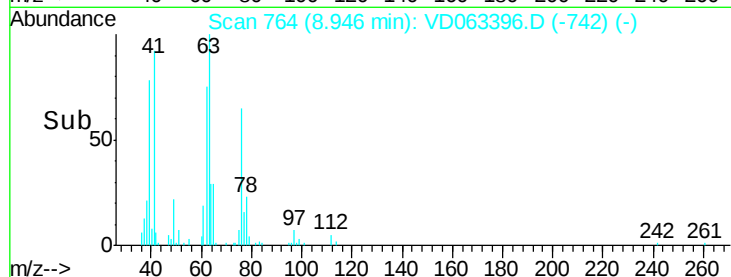
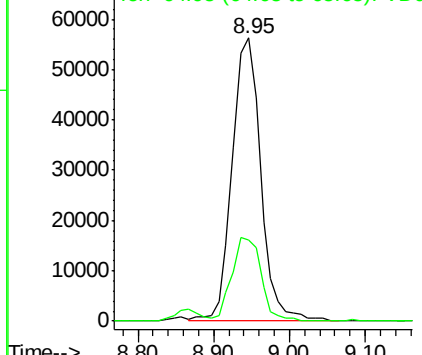
63 100

65 28.6 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.545 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

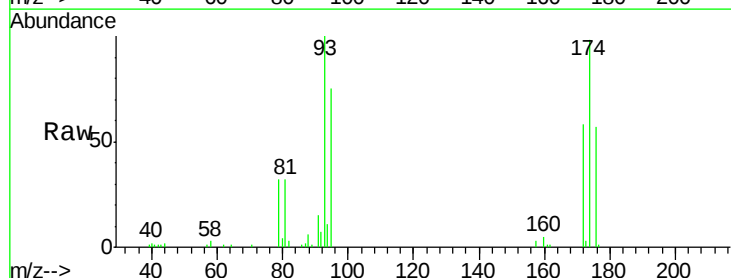
Tgt Ion: 93 Resp: 114011

Ion Ratio Lower Upper

93 100

95 74.6 72.8 109.2

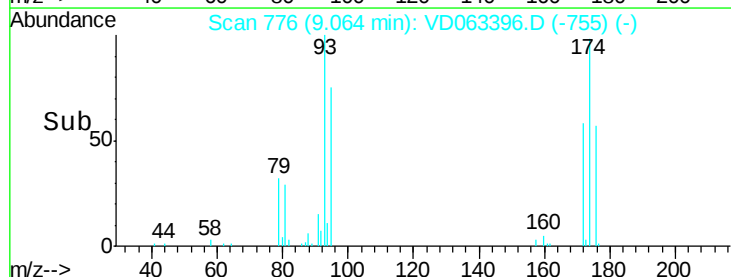
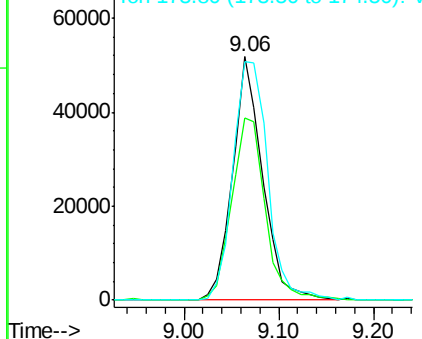
174 98.0 94.4 141.6

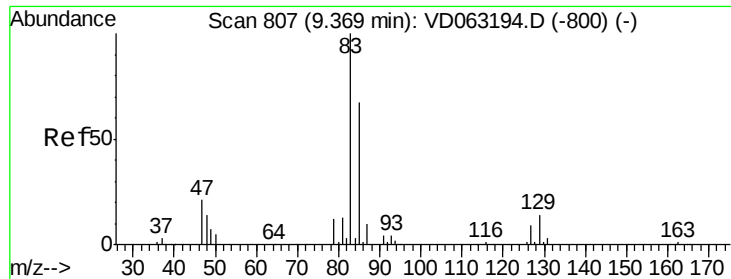


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.779 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

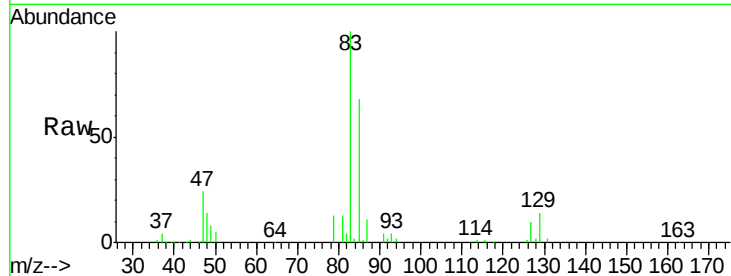
Tot Ion: 83 Resp: 294298

Ion Ratio Lower Upper

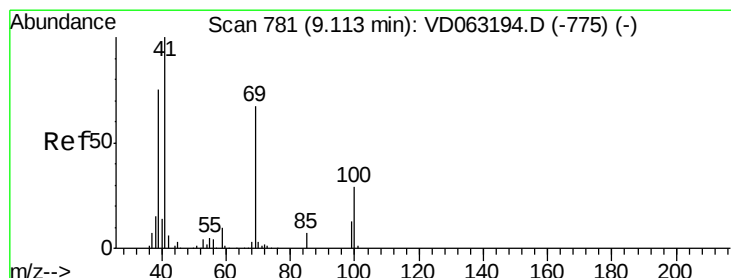
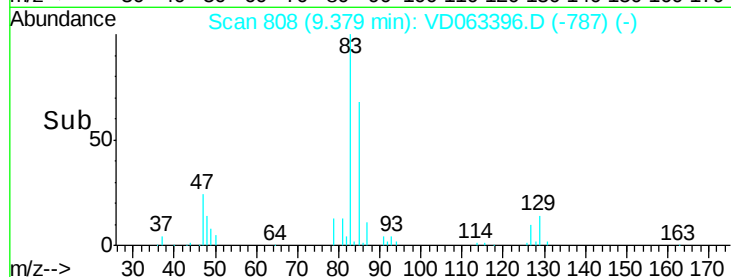
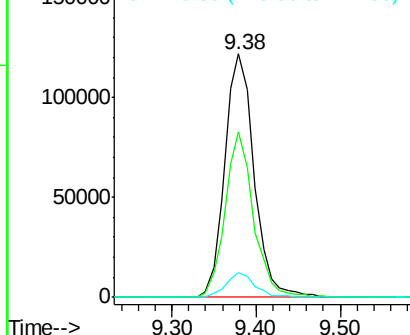
83 100

85 67.9 53.6 80.4

127 10.3 7.2 10.8



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



#48

Methyl methacrylate

Concen: 17.820 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

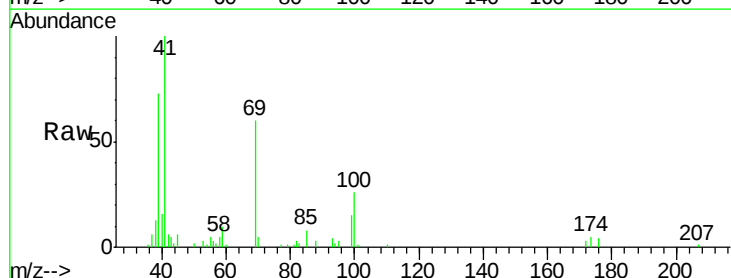
Tgt Ion: 41 Resp: 92060

Ion Ratio Lower Upper

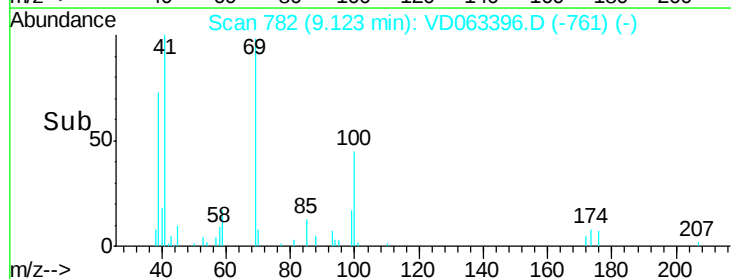
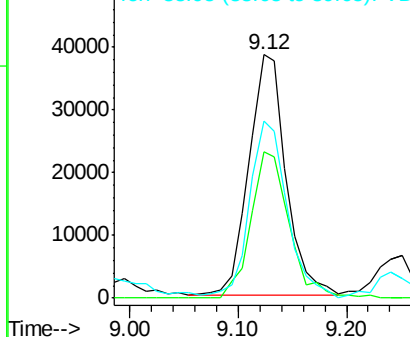
41 100

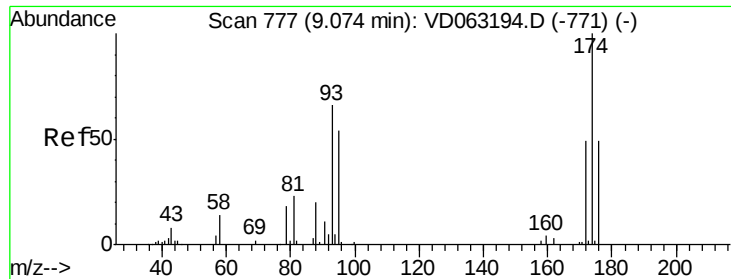
69 60.1 53.4 80.0

39 73.0 60.3 90.5



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

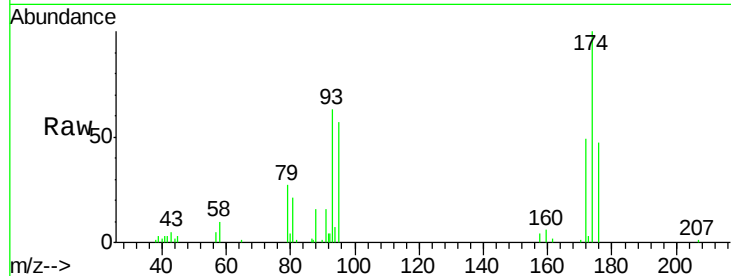




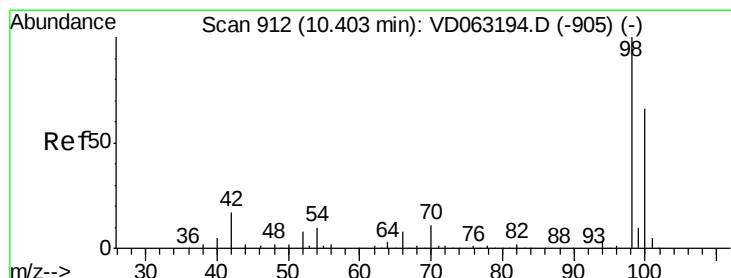
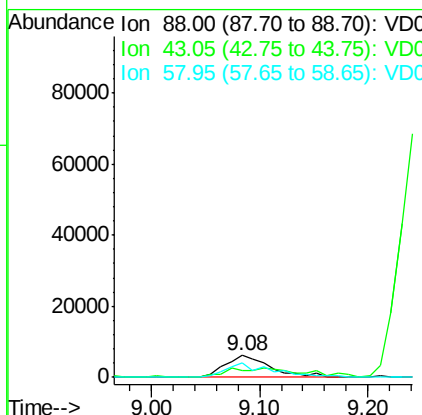
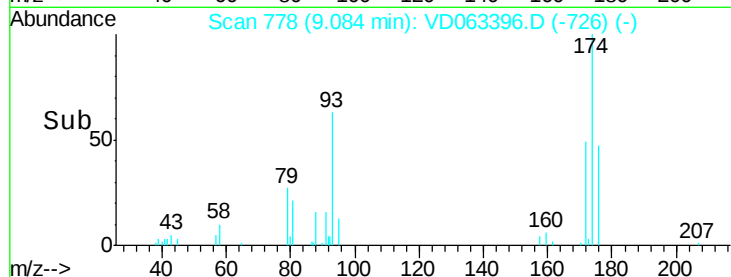
#49
1,4-Dioxane
Concen: 397.297 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion: 88 Resp: 17495
Ion Ratio Lower Upper
88 100
43 32.0 30.7 46.1
58 63.6 56.5 84.7

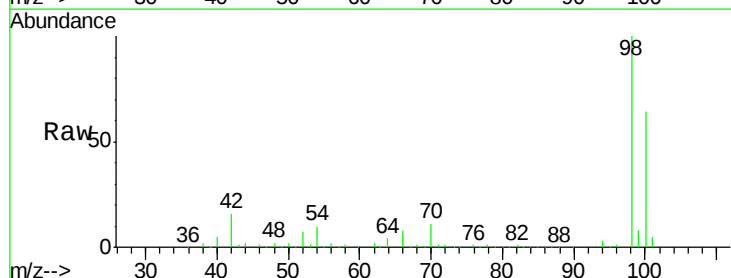


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

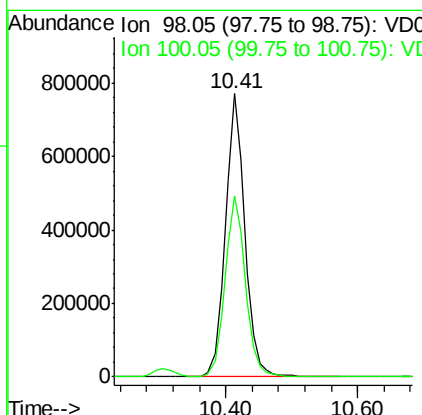
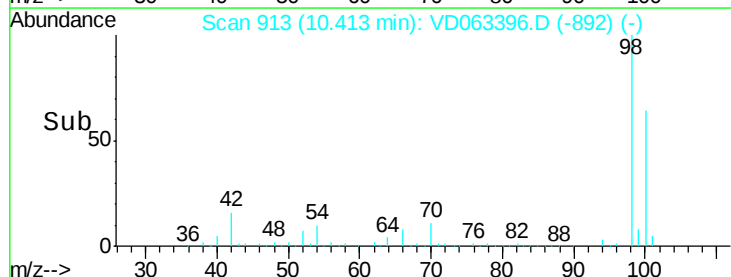


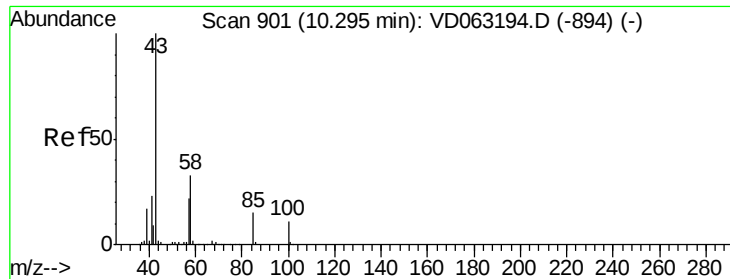
#50
Toluene-d8
Concen: 54.711 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 98 Resp: 1589916
Ion Ratio Lower Upper
98 100
100 63.9 53.2 79.8



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

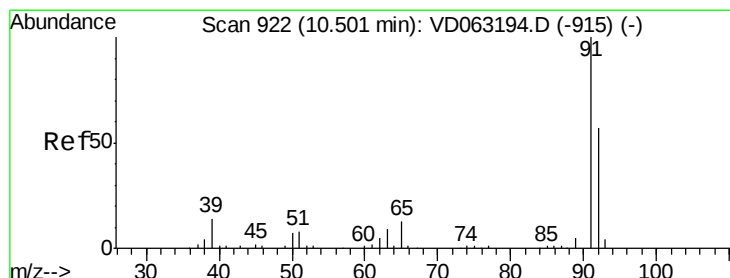
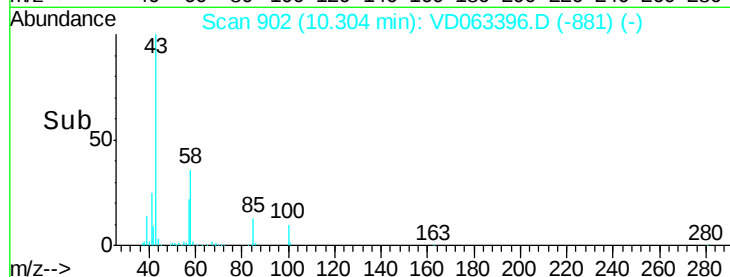
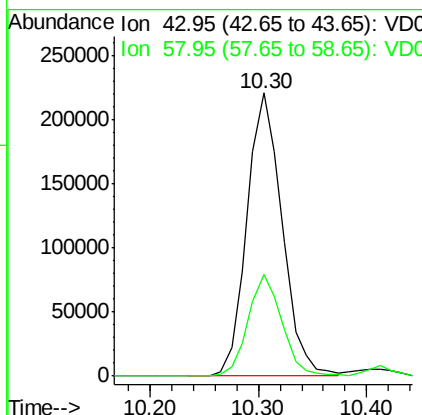
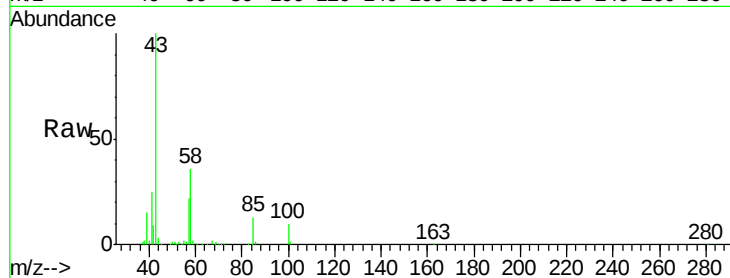




#51
4-Methyl-2-Pentanone
Concen: 92.248 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

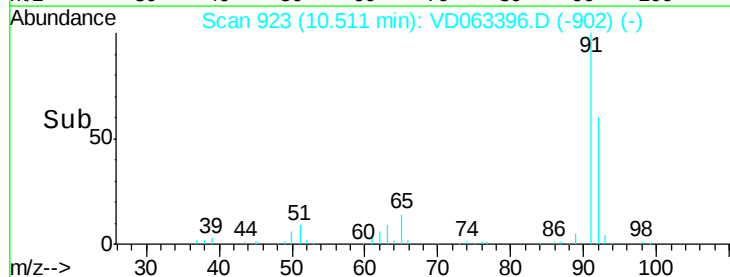
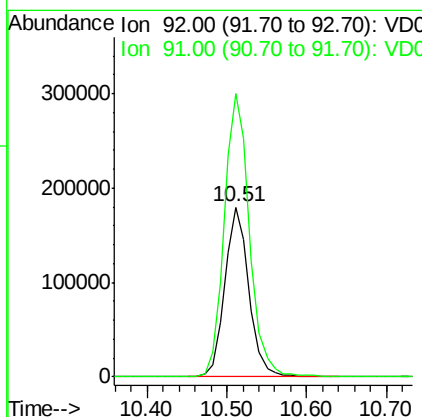
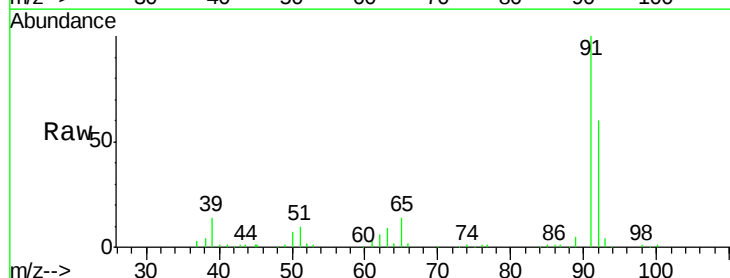
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

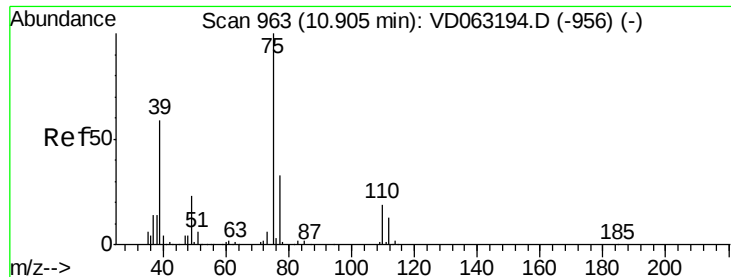
Tot Ion: 43 Resp: 499717
Ion Ratio Lower Upper
43 100
58 36.1 26.2 39.2



#52
Toluene
Concen: 19.840 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 92 Resp: 383856
Ion Ratio Lower Upper
92 100
91 166.5 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 17.904 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

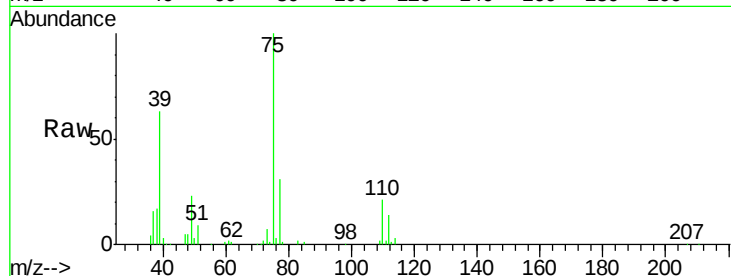
VD0806SBSD01

Tot Ion: 75 Resp: 241902

Ion Ratio Lower Upper

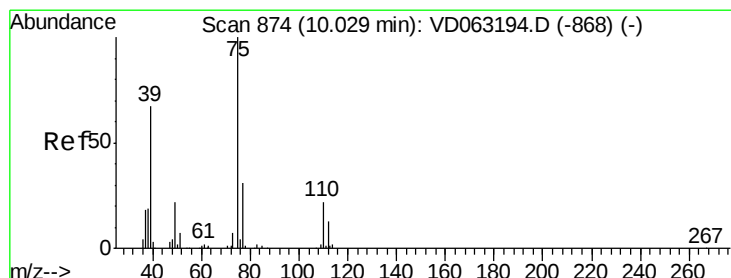
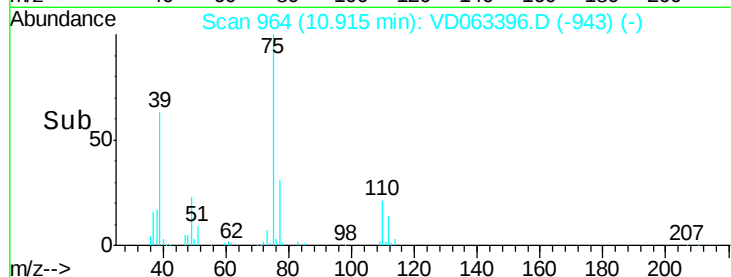
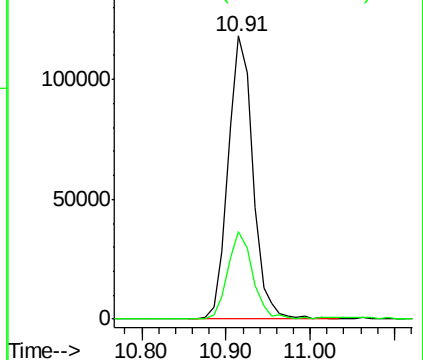
75 100

77 31.1 26.6 40.0



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: 19.766 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

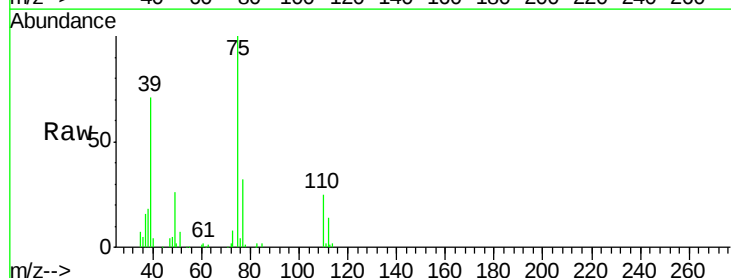
Tgt Ion: 75 Resp: 280667

Ion Ratio Lower Upper

75 100

77 32.2 24.9 37.3

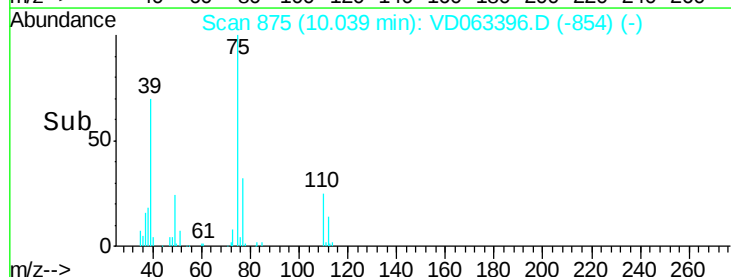
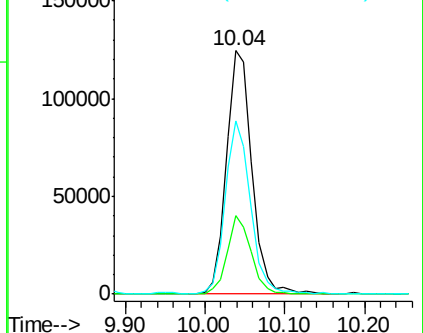
39 70.9 53.9 80.9

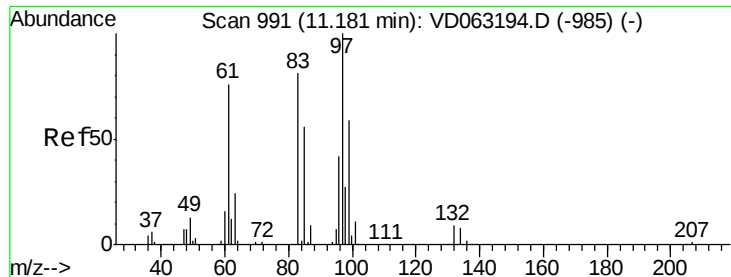


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

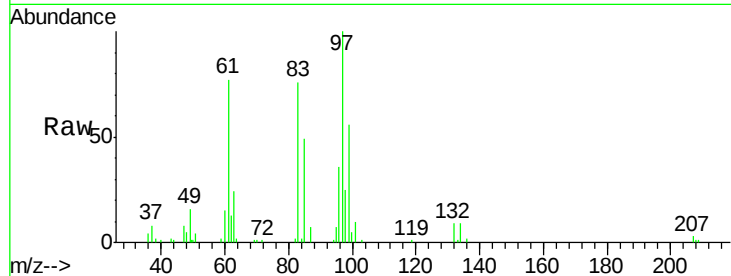




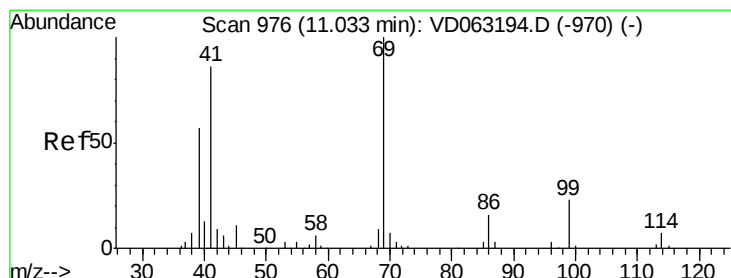
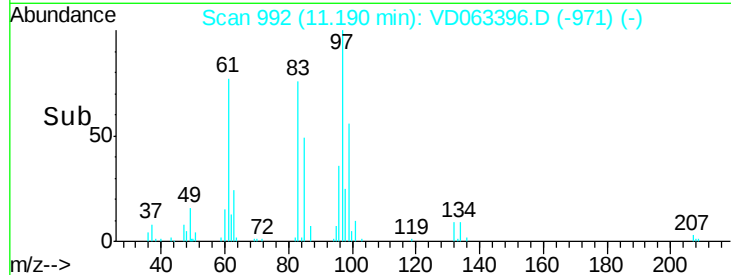
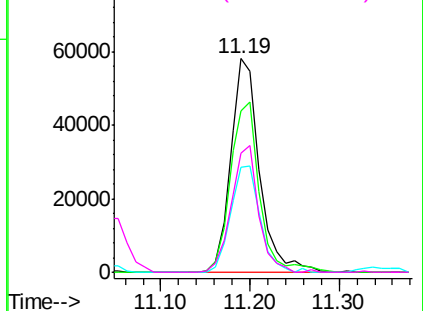
#55
1,1,2-Trichloroethane
Concen: 20.095 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion: 97 Resp: 131304
Ion Ratio Lower Upper
97 100
83 75.6 64.8 97.2
85 49.2 44.9 67.3
99 55.6 47.2 70.8

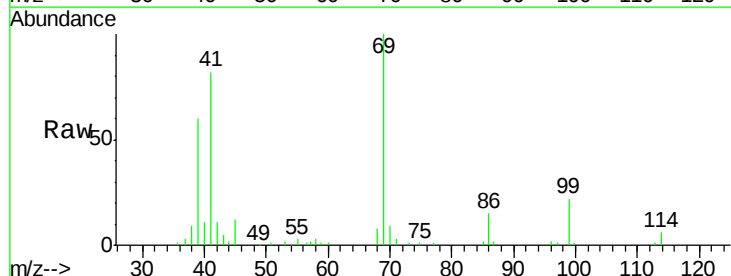


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

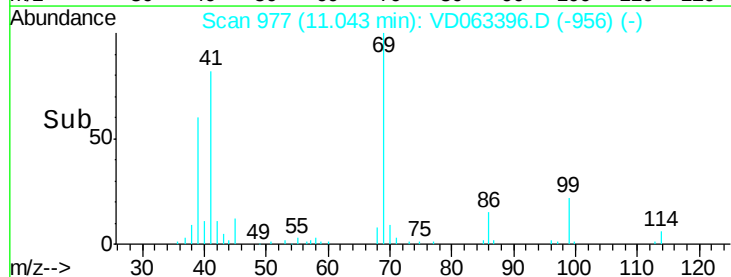
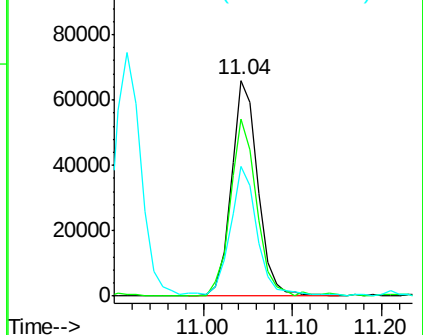


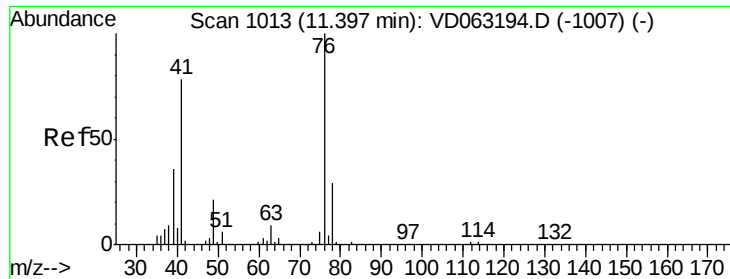
#56
Ethyl methacrylate
Concen: 19.186 ug/l
RT: 11.04 min Scan# 977
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 69 Resp: 137279
Ion Ratio Lower Upper
69 100
41 82.3 68.8 103.2
39 60.3 45.8 68.8



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





#57

1,3-Dichloropropane

Concen: 17.895 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

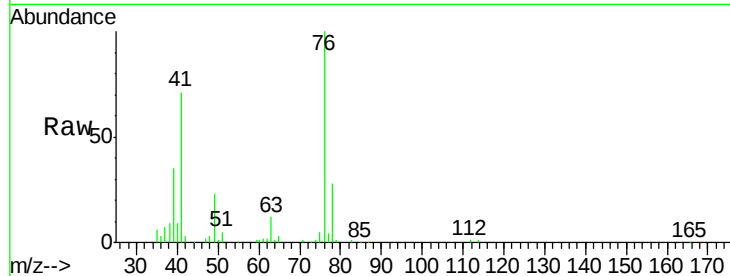
VD0806SBSD01

Tot Ion: 76 Resp: 184238

Ion Ratio Lower Upper

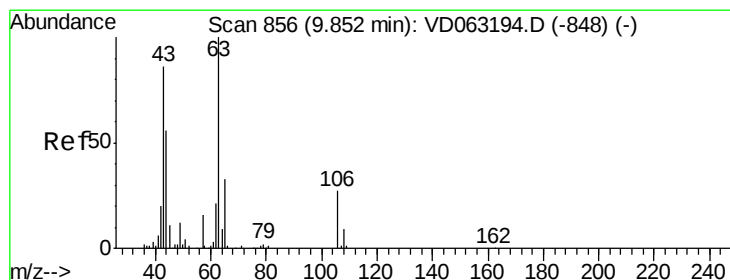
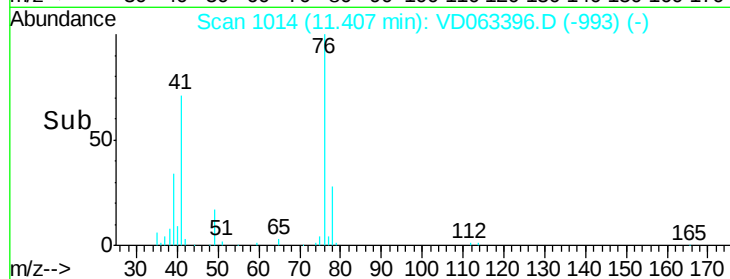
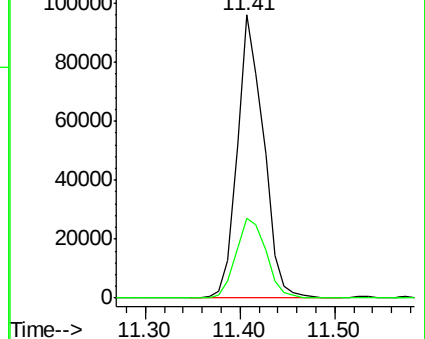
76 100

78 28.2 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.668 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063396.D

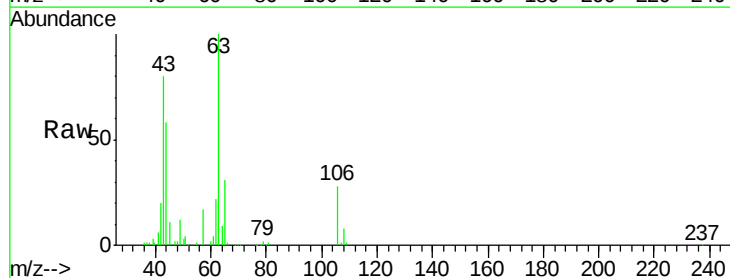
Acq: 6 Aug 2019 13:57

Tgt Ion: 63 Resp: 371077

Ion Ratio Lower Upper

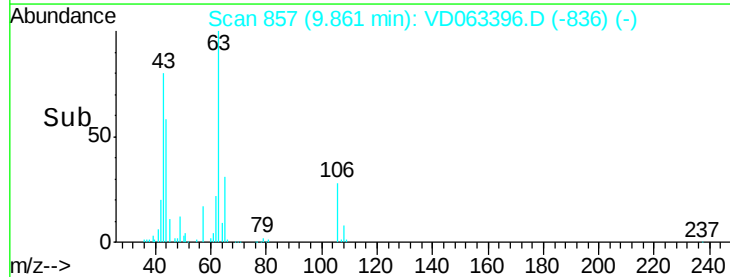
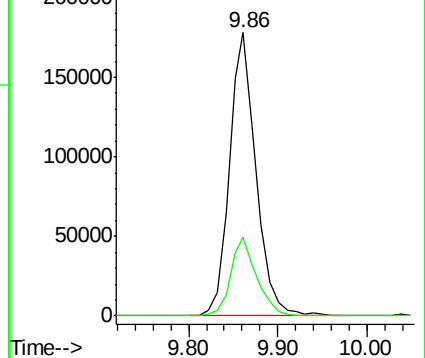
63 100

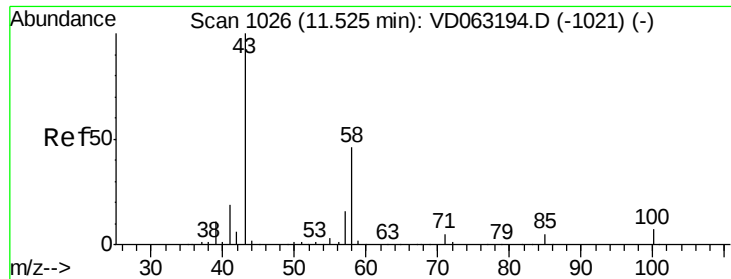
106 27.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

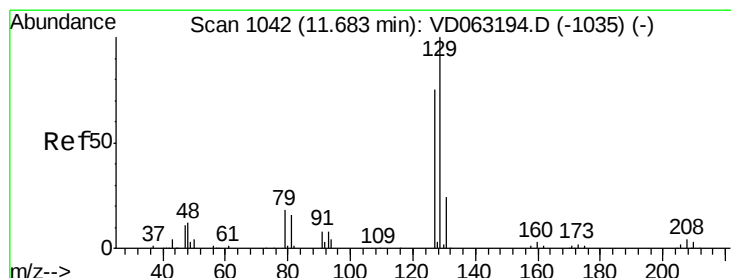
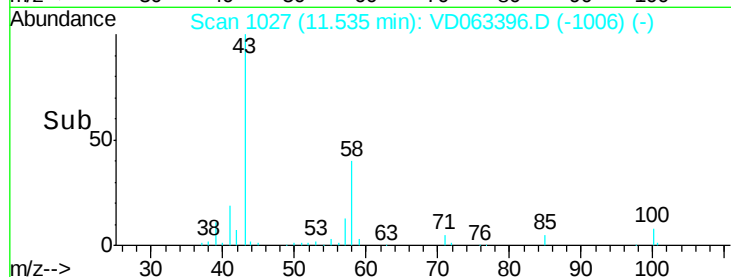
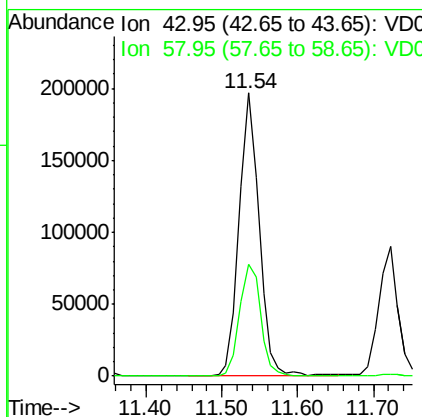
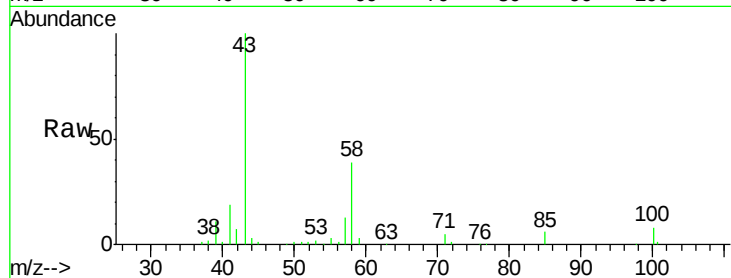




#59
2-Hexanone
Concen: 92.568 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

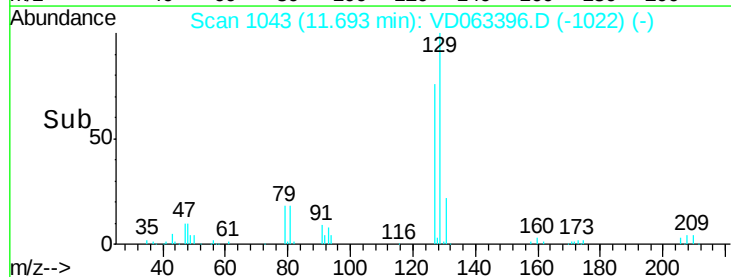
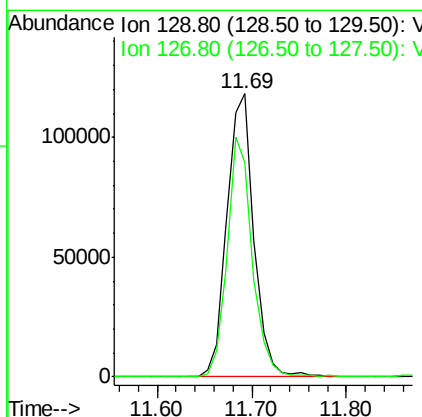
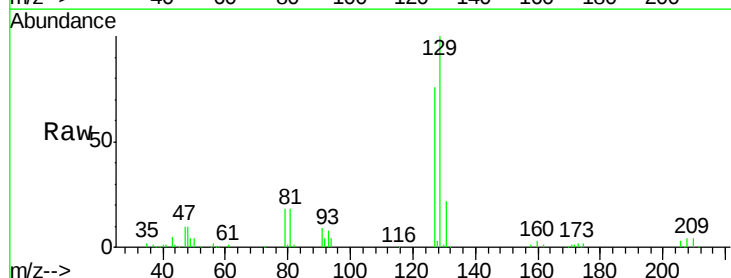
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

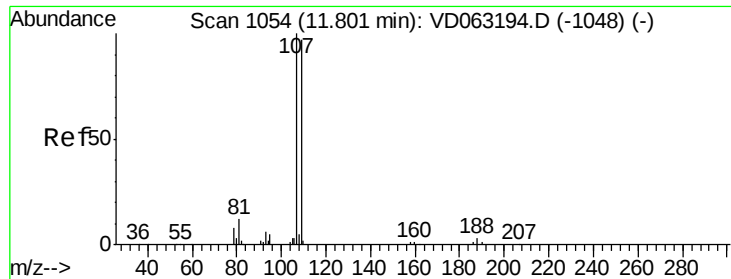
Tot Ion: 43 Resp: 361364
Ion Ratio Lower Upper
43 100
58 39.4 22.9 68.5



#60
Dibromochloromethane
Concen: 18.834 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 129 Resp: 232331
Ion Ratio Lower Upper
129 100
127 75.8 37.6 112.8





#61

1,2-Dibromoethane

Concen: 19.176 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

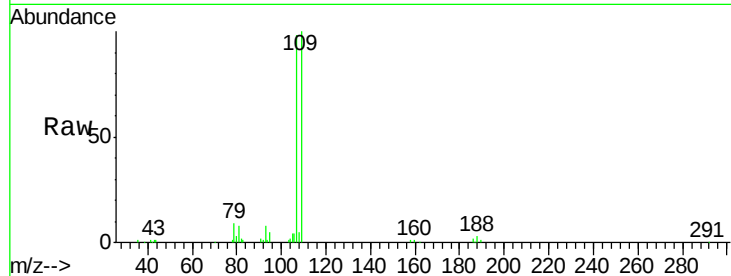
VD0806SBSD01

Tot Ion:107 Resp: 154610

Ion Ratio Lower Upper

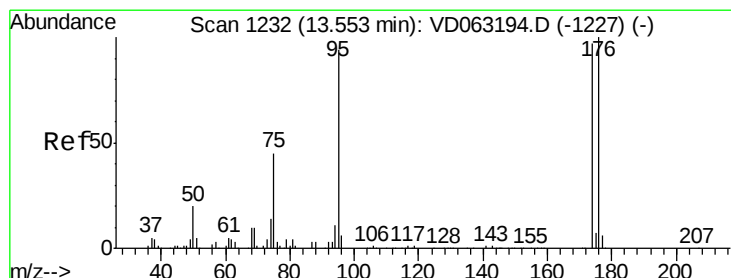
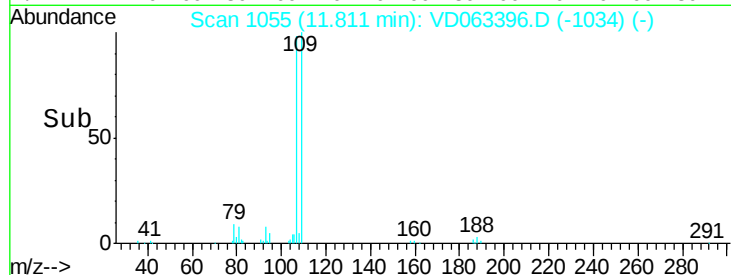
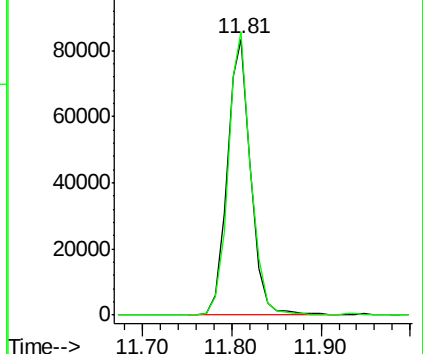
107 100

109 102.5 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.997 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

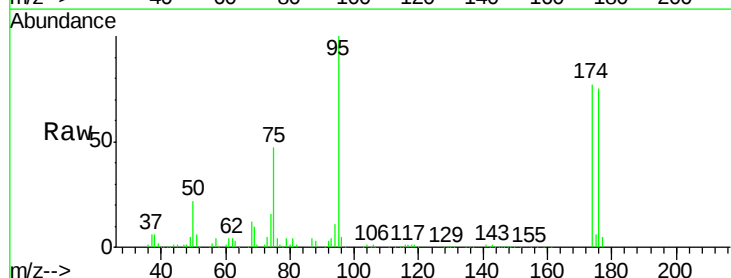
Tgt Ion: 95 Resp: 635605

Ion Ratio Lower Upper

95 100

174 77.3 0.0 205.4

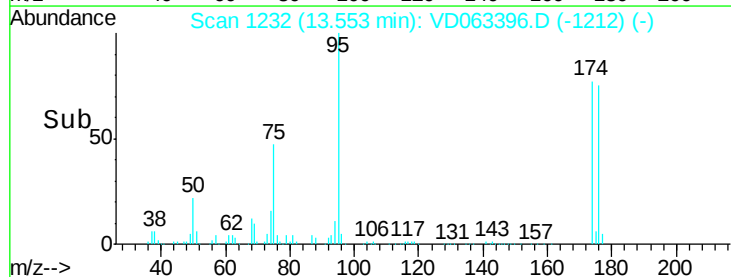
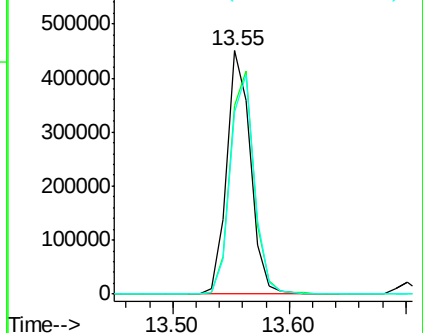
176 74.6 0.0 211.8

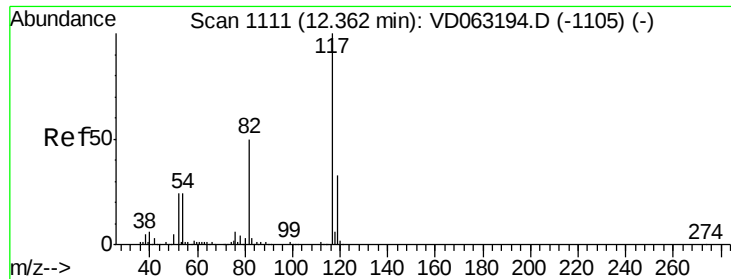


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

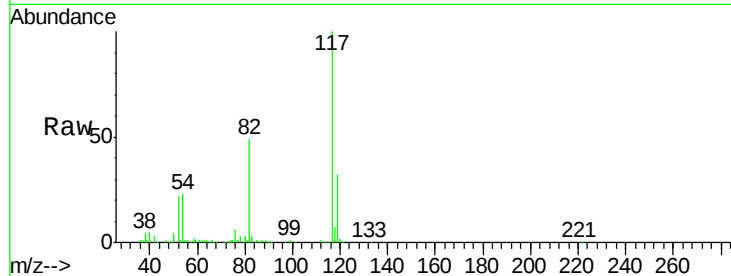




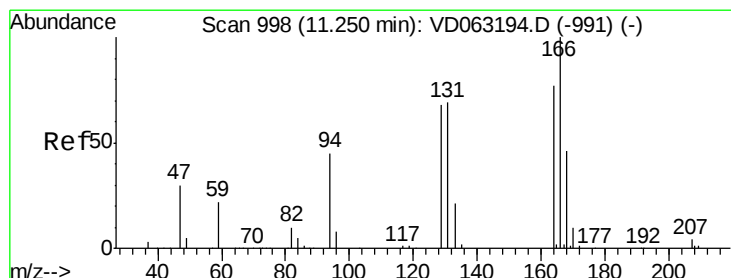
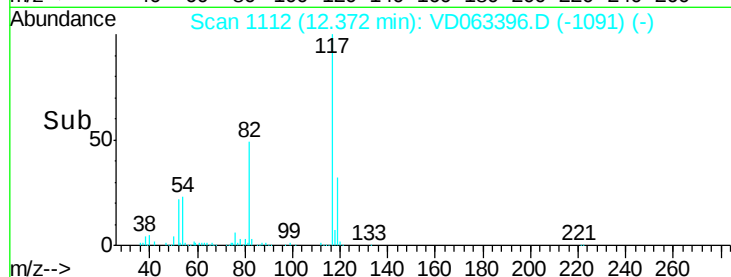
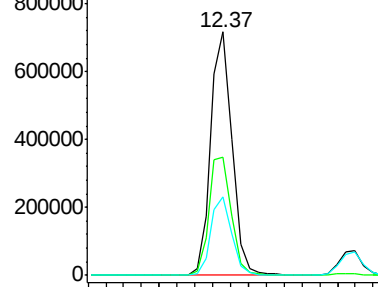
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion:117 Resp: 1207717
Ion Ratio Lower Upper
117 100
82 48.5 40.1 60.1
119 32.2 26.5 39.7

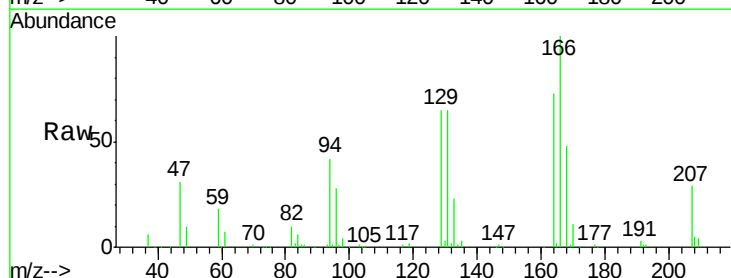


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

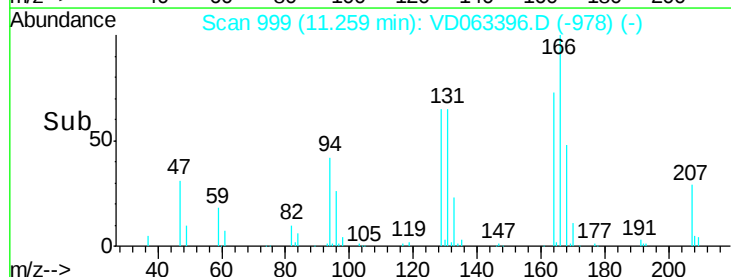
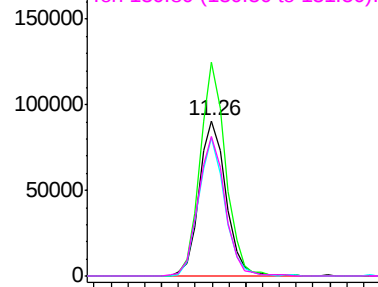


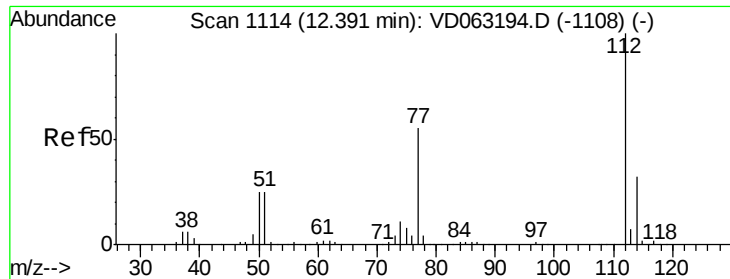
#64
Tetrachloroethene
Concen: 20.892 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion:164 Resp: 201013
Ion Ratio Lower Upper
164 100
166 137.4 104.3 156.5
129 89.3 70.9 106.3
131 89.5 71.6 107.4



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

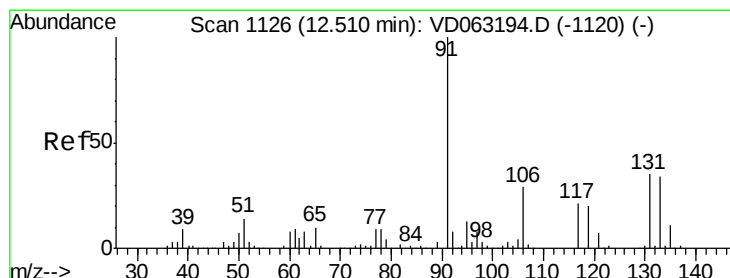
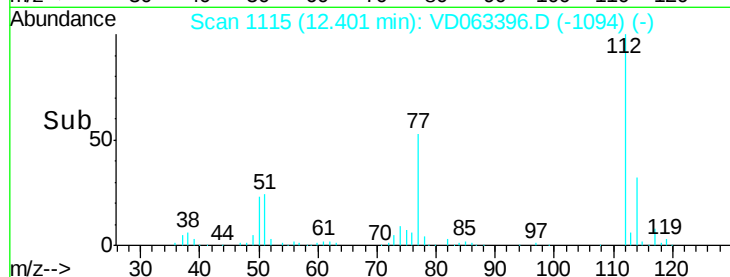
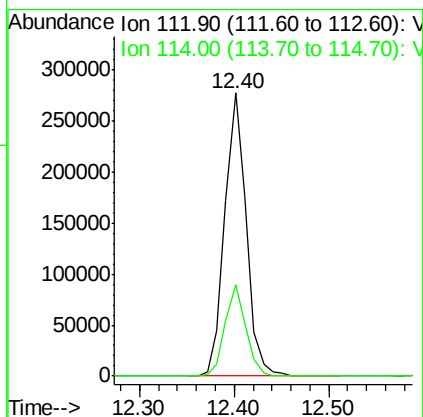
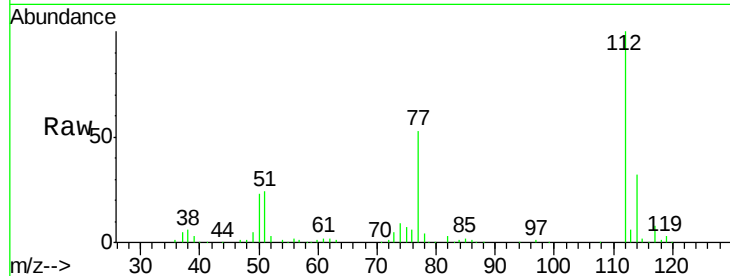




#65
Chlorobenzene
Concen: 18.783 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

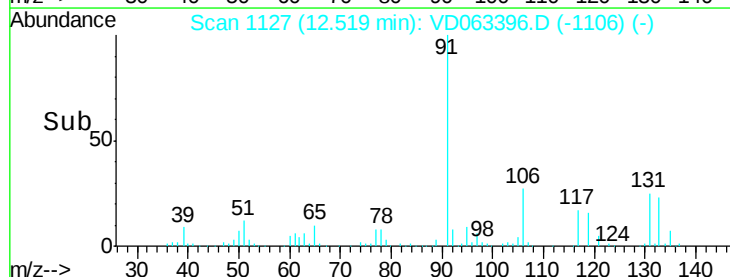
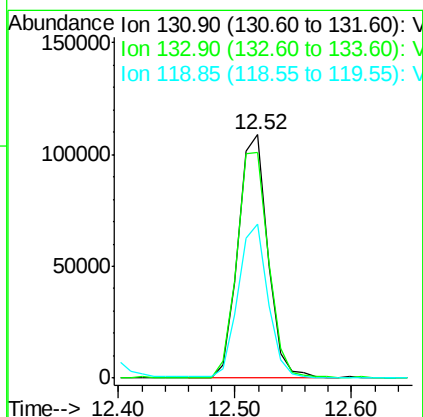
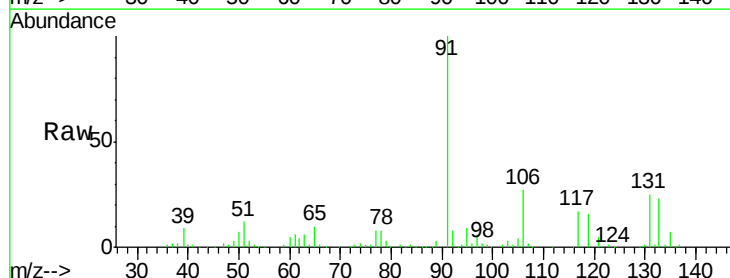
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

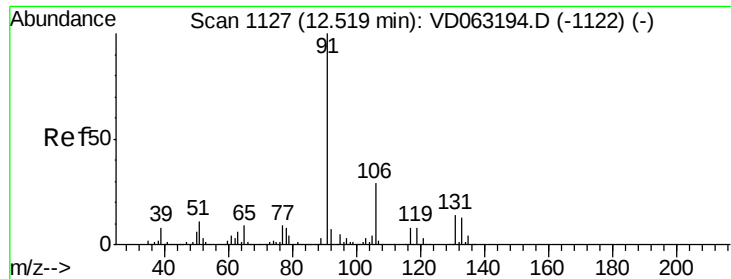
Tot Ion:112 Resp: 436320
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.863 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion:131 Resp: 193012
Ion Ratio Lower Upper
131 100
133 92.5 48.4 145.2
119 63.5 29.1 87.3

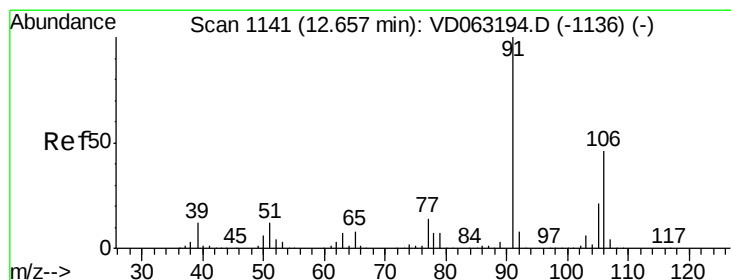
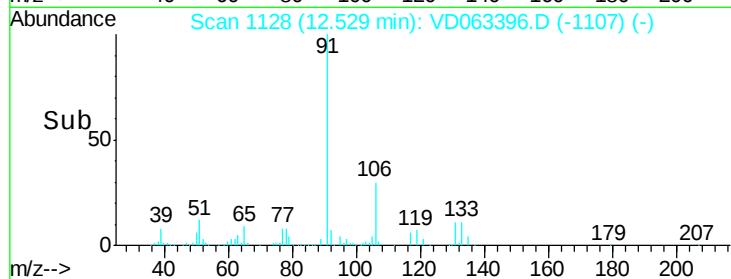
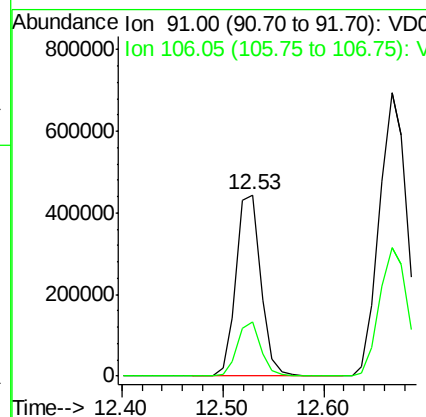
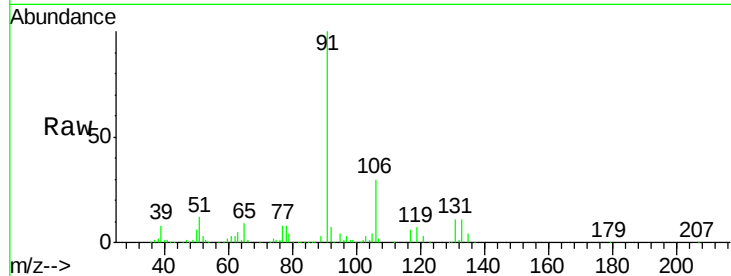




#67
Ethyl Benzene
Concen: 19.344 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

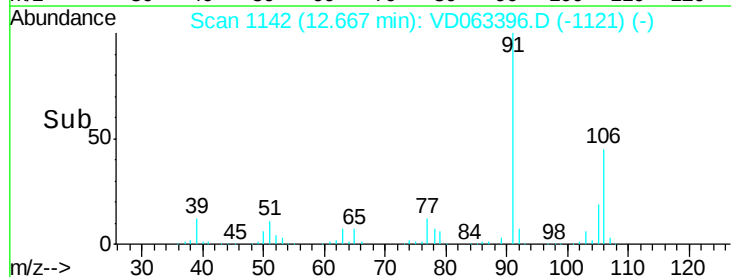
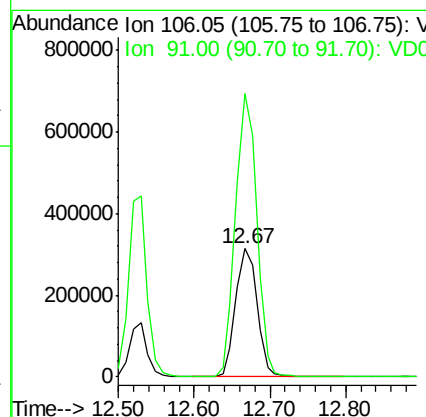
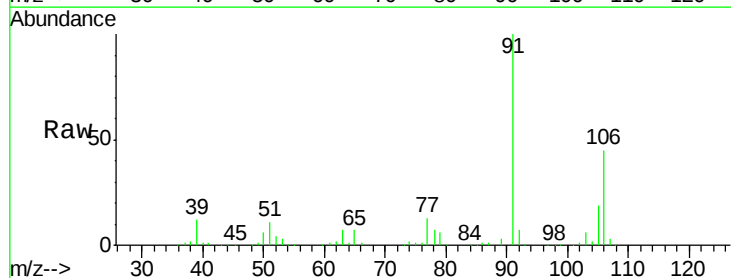
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

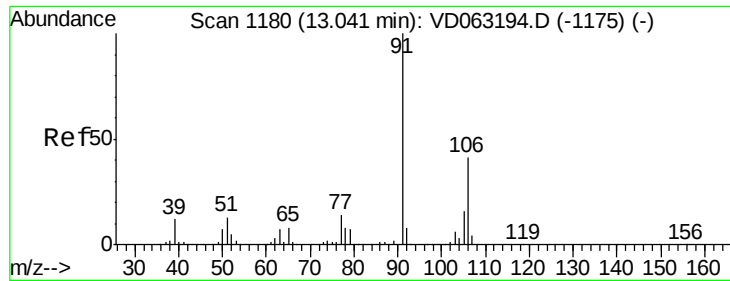
Tot Ion: 91 Resp: 763376
Ion Ratio Lower Upper
91 100
106 29.6 22.9 34.3



#68
m/p-Xylenes
Concen: 42.427 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion: 106 Resp: 614002
Ion Ratio Lower Upper
106 100
91 221.3 172.6 259.0

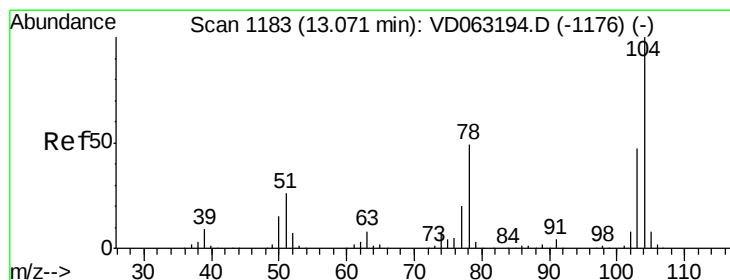
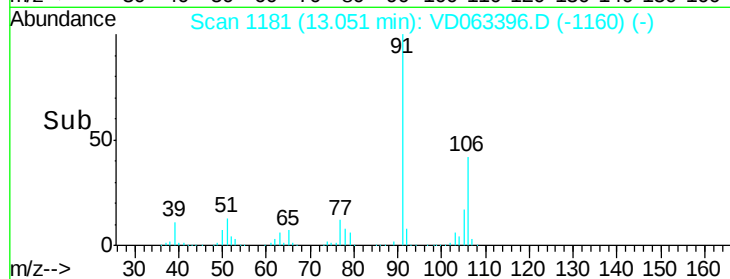
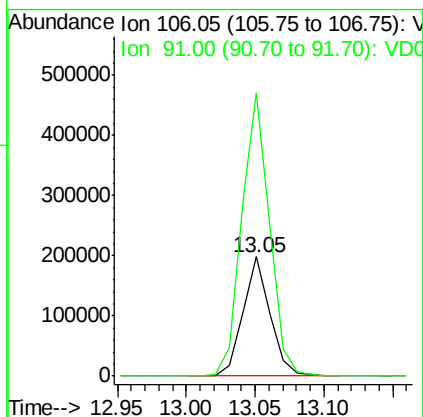
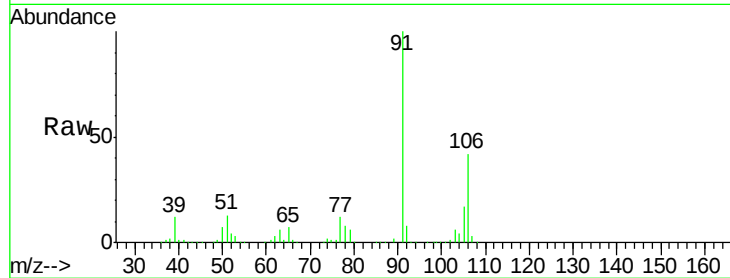




#69
o-Xylene
Concen: 20.590 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

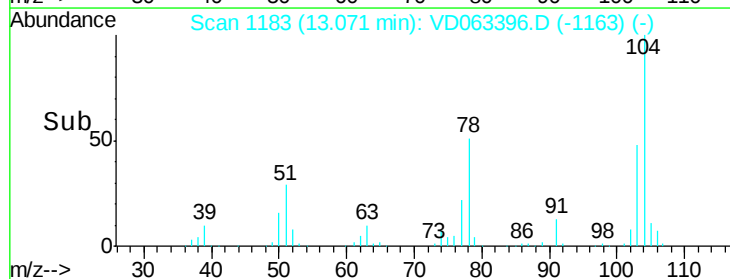
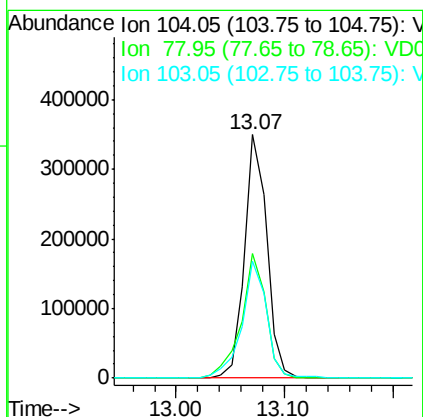
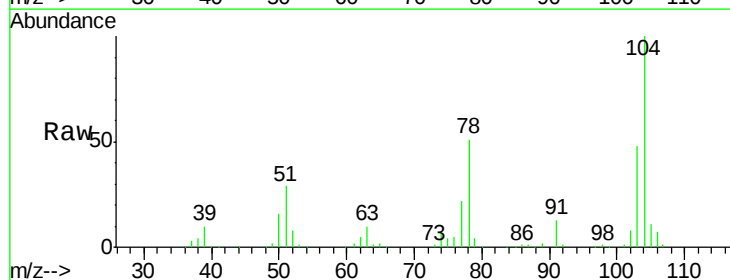
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

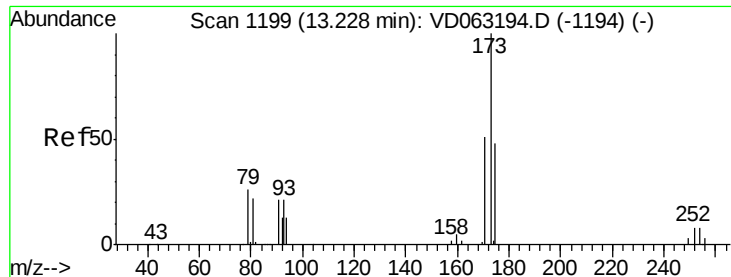
Tot Ion:106 Resp: 273631
Ion Ratio Lower Upper
106 100
91 237.6 121.3 363.9



#70
Styrene
Concen: 21.291 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion:104 Resp: 501804
Ion Ratio Lower Upper
104 100
78 51.0 39.4 59.0
103 47.8 37.4 56.2

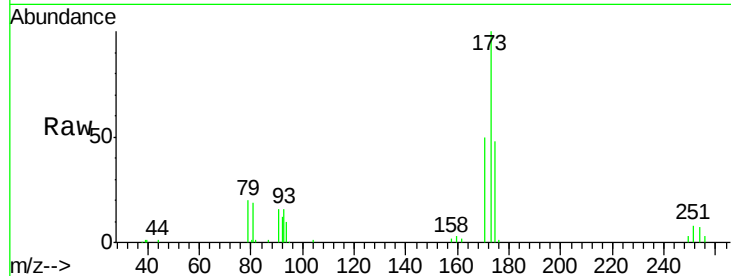




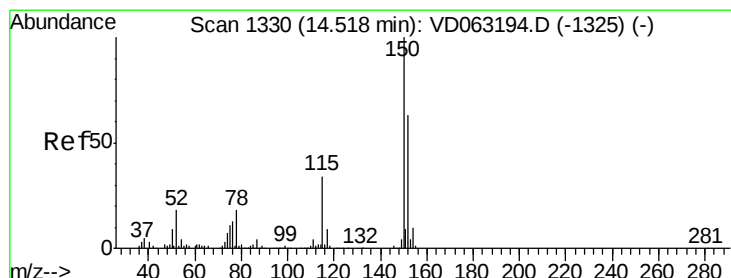
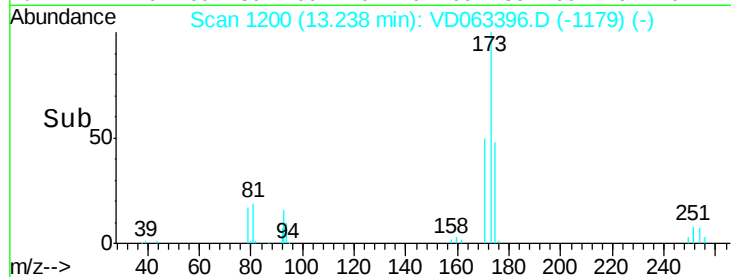
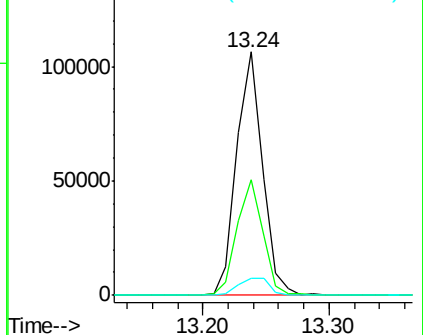
#71
Bromoform
Concen: 20.224 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion:173 Resp: 150489
Ion Ratio Lower Upper
173 100
175 47.6 23.8 71.5
254 7.2 6.6 10.0

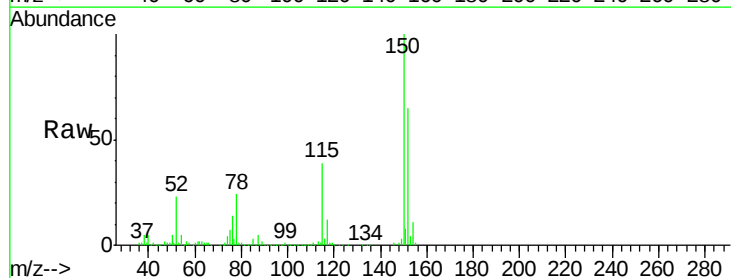


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

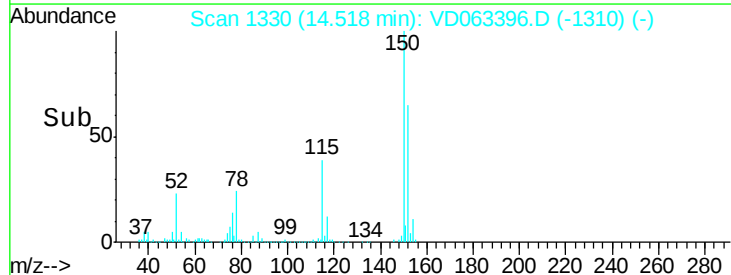
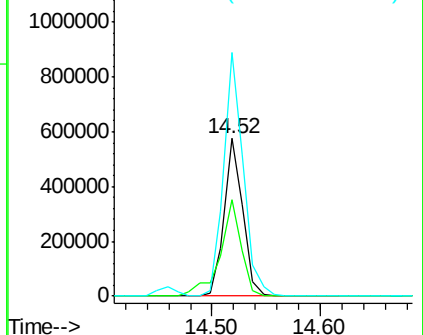


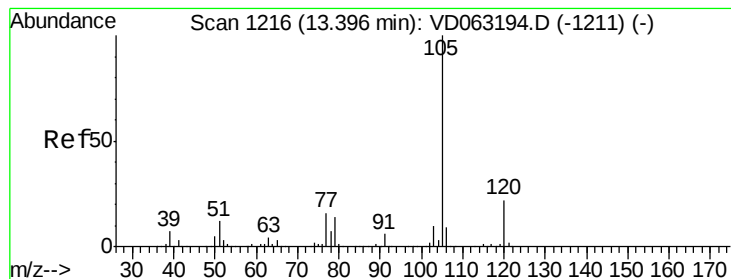
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion:152 Resp: 682751
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.4
150 154.7 0.0 320.6



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





#73

Isopropylbenzene

Concen: 19.739 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

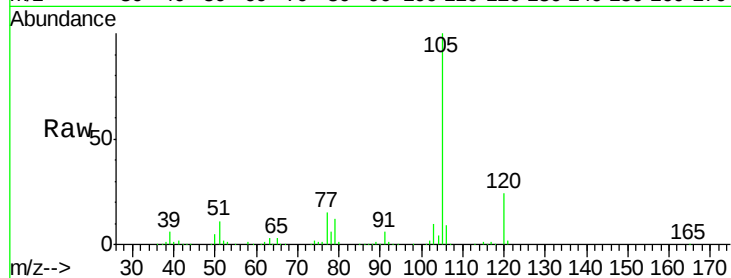
VD0806SBS01

Tot Ion:105 Resp: 845839

Ion Ratio Lower Upper

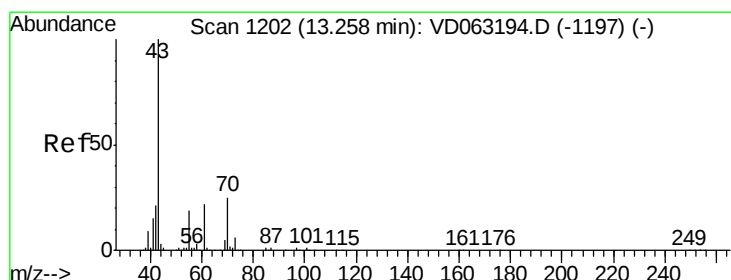
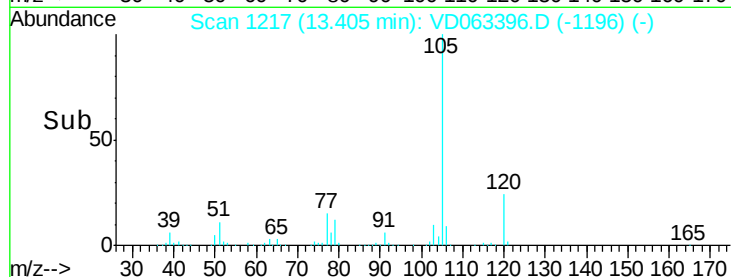
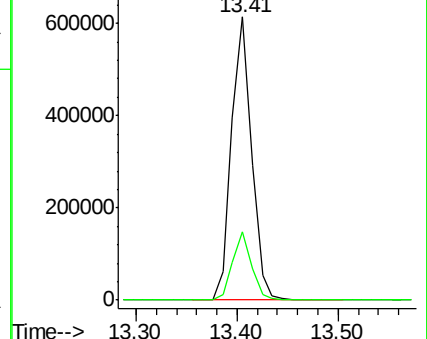
105 100

120 24.2 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.791 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Tgt Ion: 43 Resp: 224199

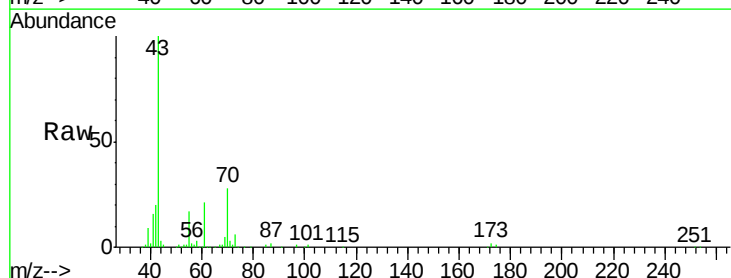
Ion Ratio Lower Upper

43 100

70 28.5 20.2 30.4

55 17.1 14.9 22.3

61 21.2 17.9 26.9

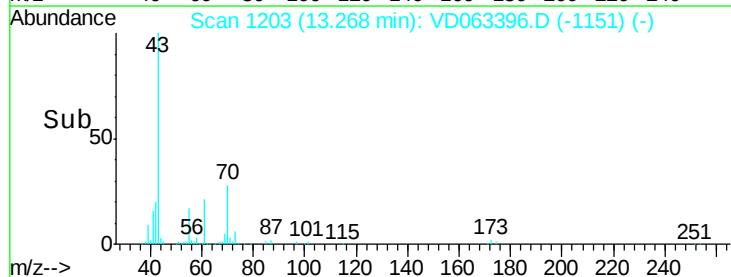
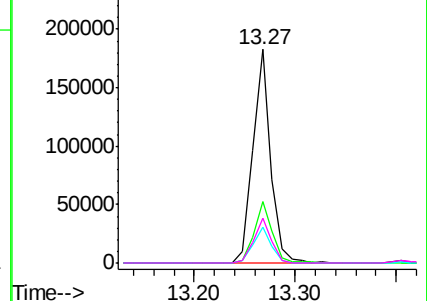


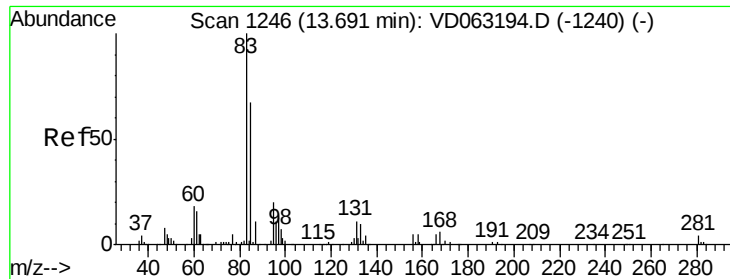
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.812 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

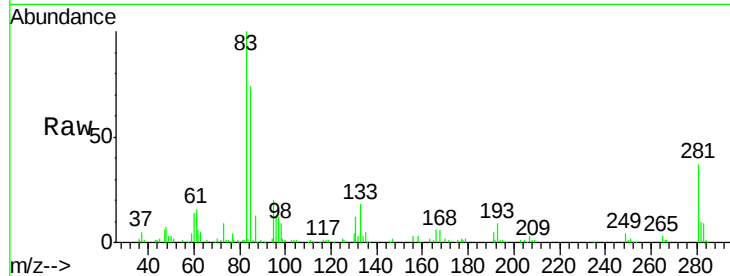
Tot Ion: 83 Resp: 144210

Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.5	16.7
85	73.8	33.7	101.1

83 100

131 12.2 5.5 16.7

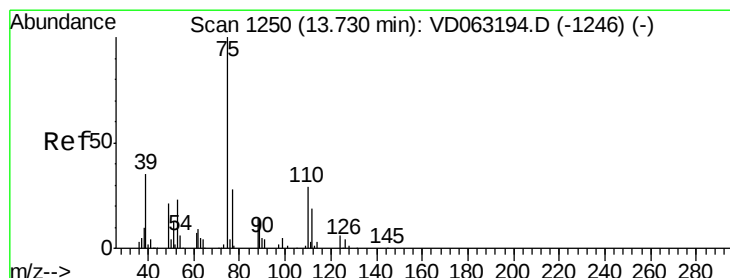
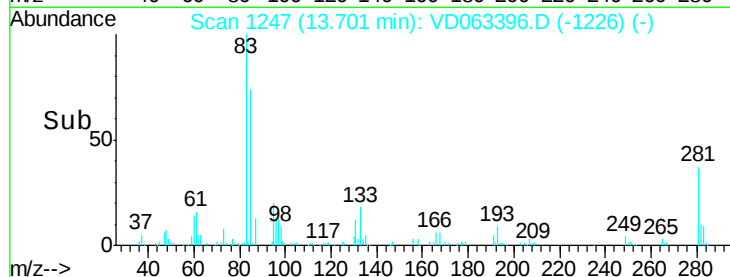
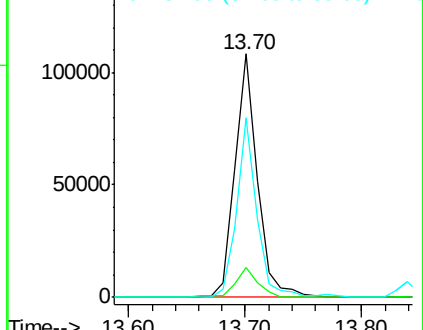
85 73.8 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.792 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063396.D

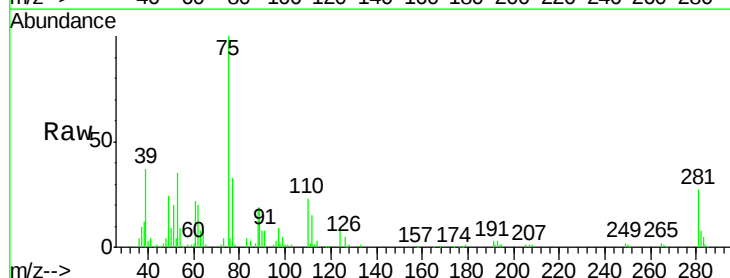
Acq: 6 Aug 2019 13:57

Tgt Ion: 75 Resp: 162305

Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.0	48.0

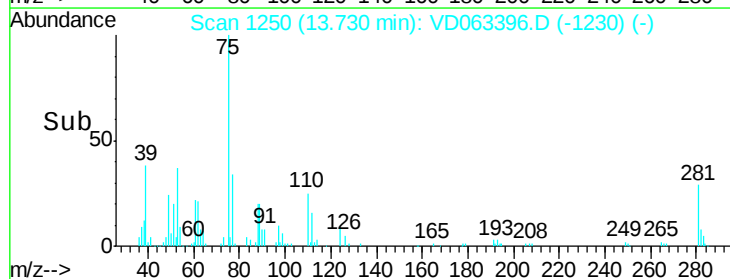
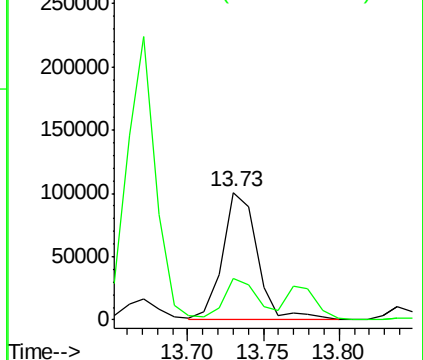
75 100

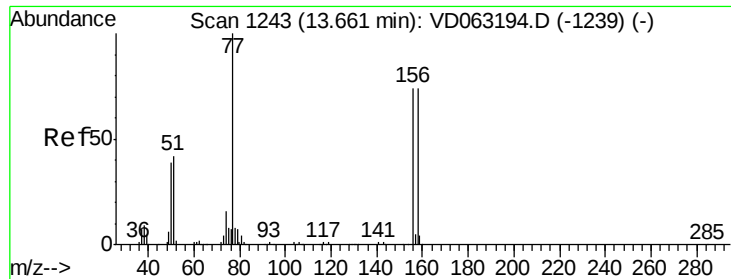
77 32.6 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.871 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

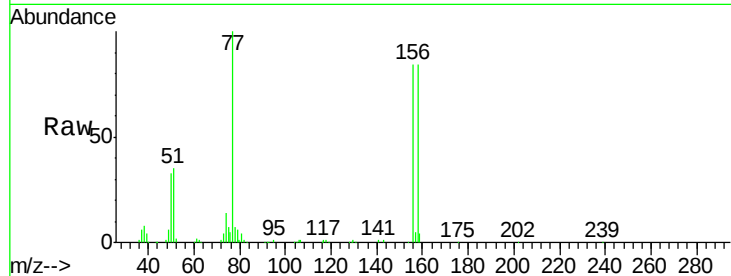
Tot Ion:156 Resp: 242567

Ion Ratio Lower Upper

156 100

77 119.6 67.6 202.8

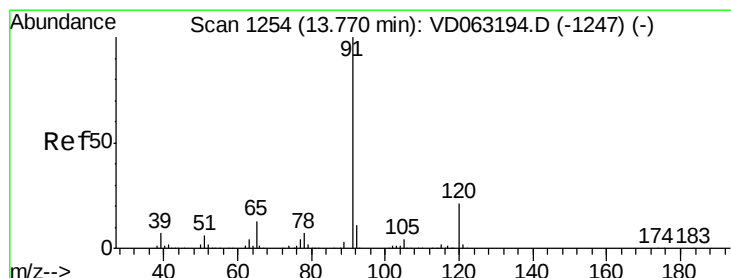
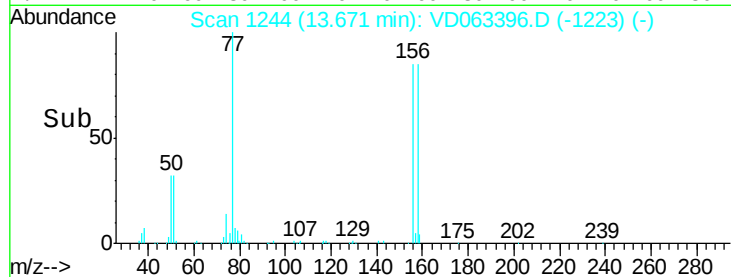
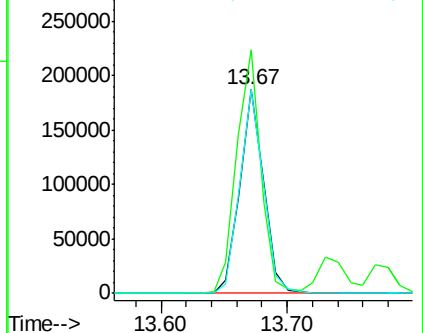
158 99.9 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.107 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063396.D

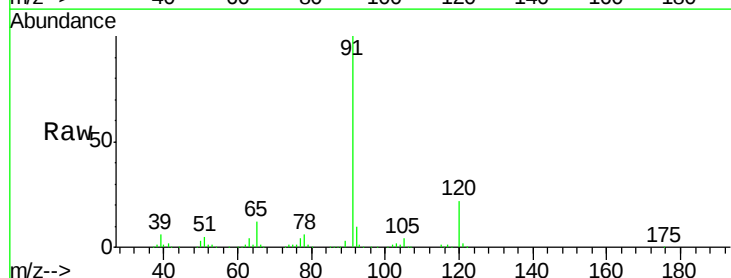
Acq: 6 Aug 2019 13:57

Tgt Ion: 91 Resp: 1025368

Ion Ratio Lower Upper

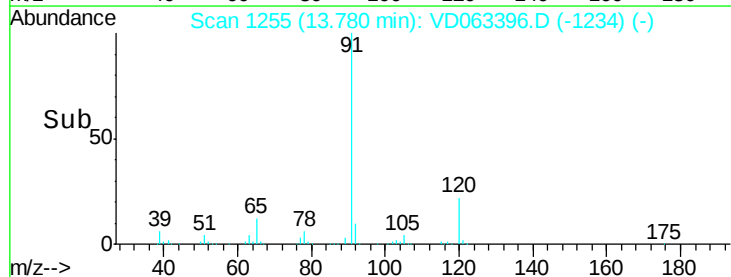
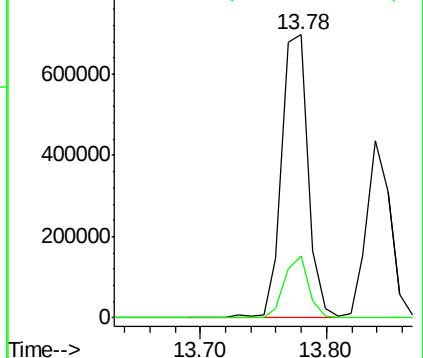
91 100

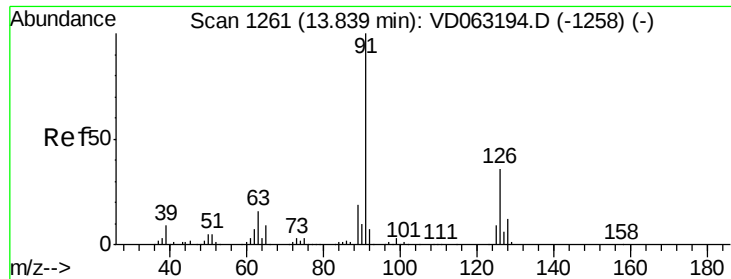
120 21.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.545 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

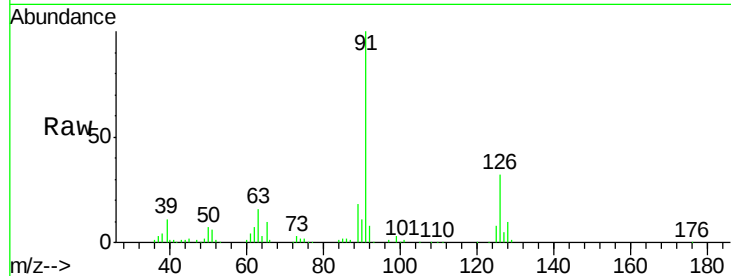
VD0806SBSD01

Tot Ion: 91 Resp: 577522

Ion Ratio Lower Upper

91 100

126 31.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD063194.D (-1258) (-)

800000

600000

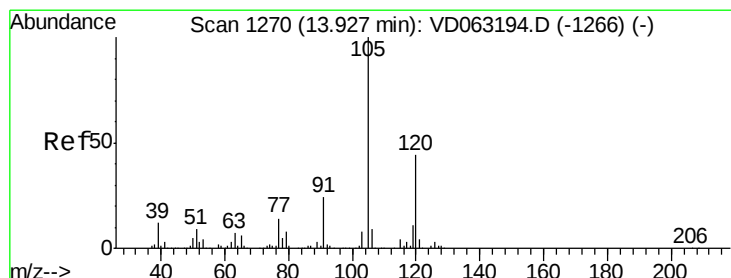
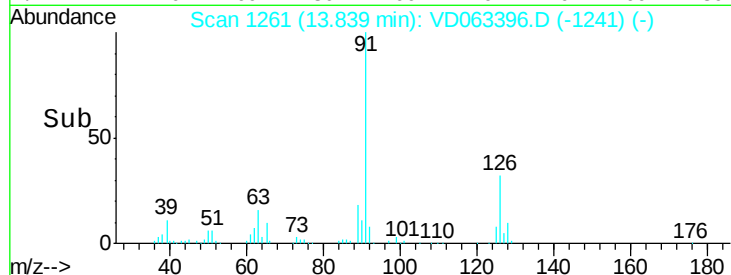
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.330 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063396.D

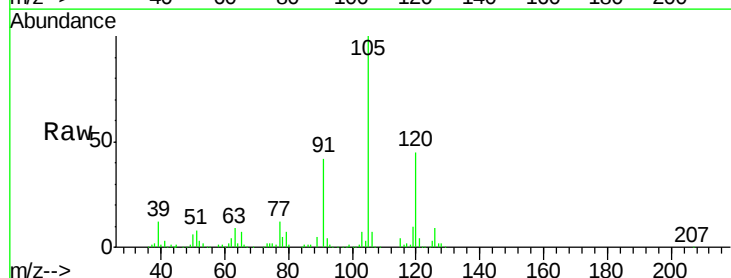
Acq: 6 Aug 2019 13:57

Tgt Ion: 105 Resp: 751373

Ion Ratio Lower Upper

105 100

120 44.5 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063194.D (-1266) (-)

600000

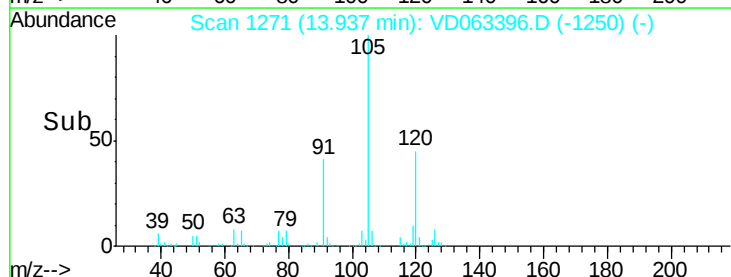
400000

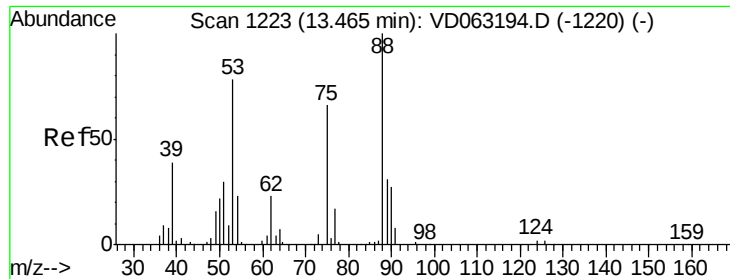
200000

0

13.90 14.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.632 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

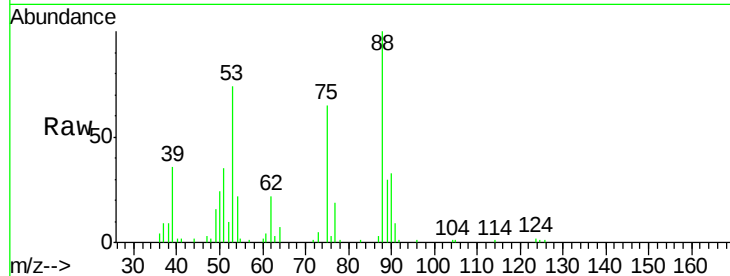
Tot Ion: 75 Resp: 40151

Ion Ratio Lower Upper

75 100

53 113.4 94.9 142.3

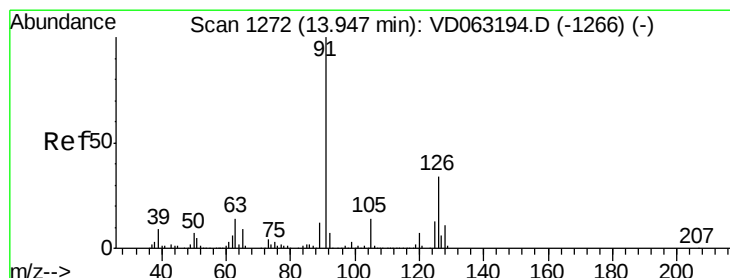
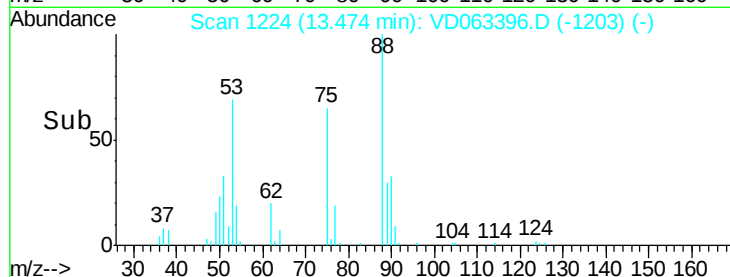
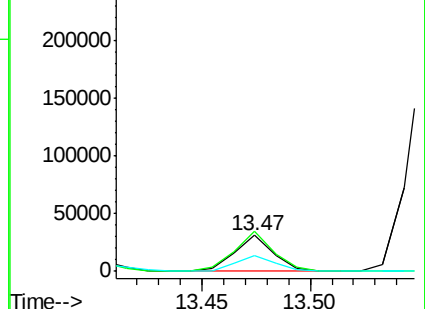
89 45.4 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.629 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063396.D

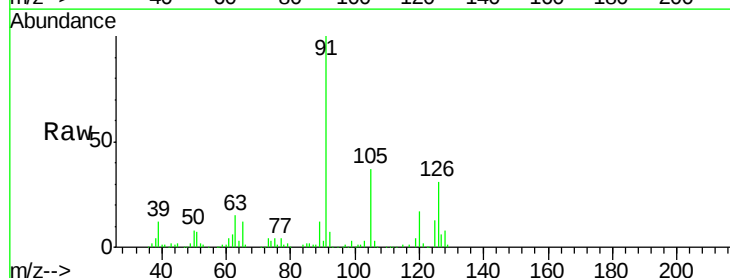
Acq: 6 Aug 2019 13:57

Tgt Ion: 91 Resp: 682583

Ion Ratio Lower Upper

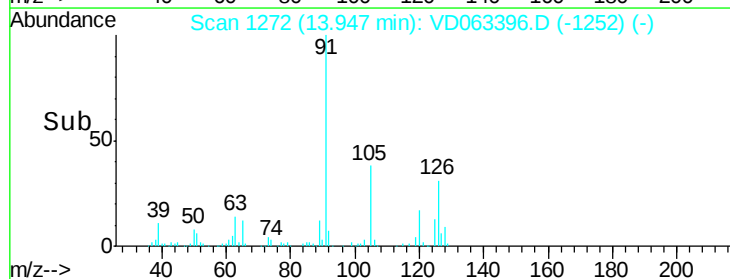
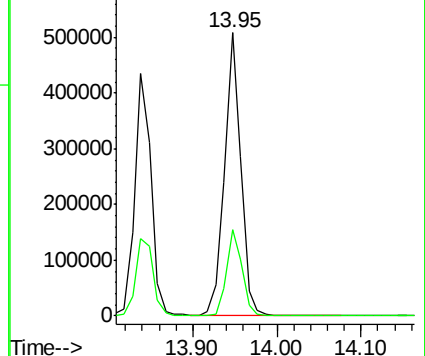
91 100

126 30.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

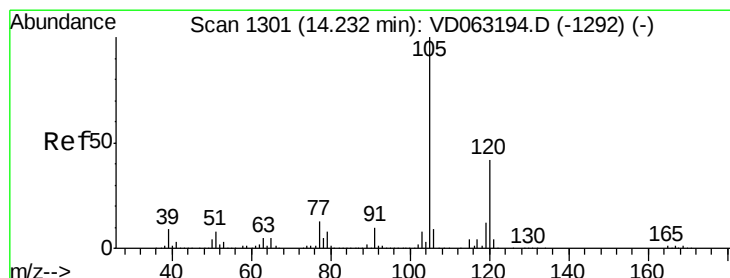
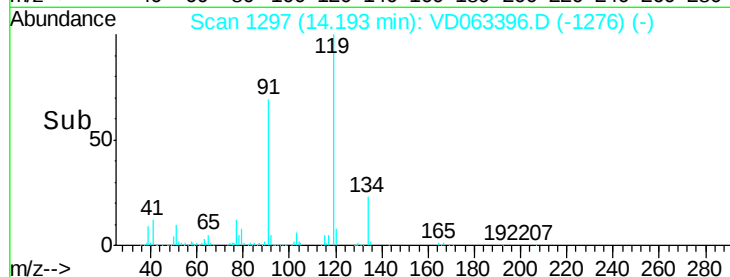
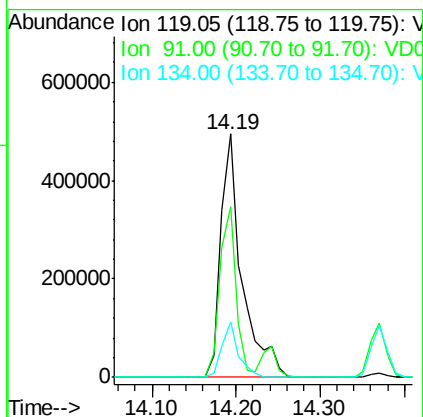
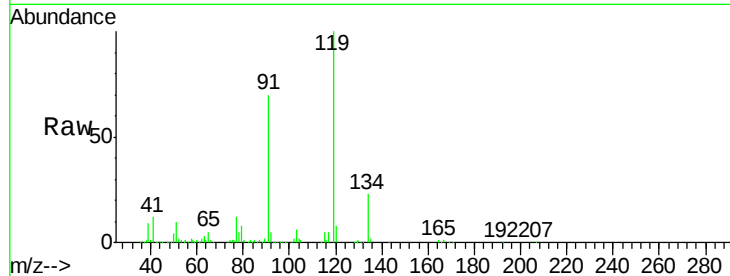




#83
tert-Butylbenzene
Concen: 20.486 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

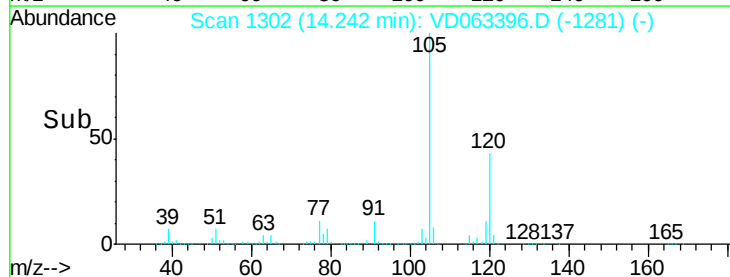
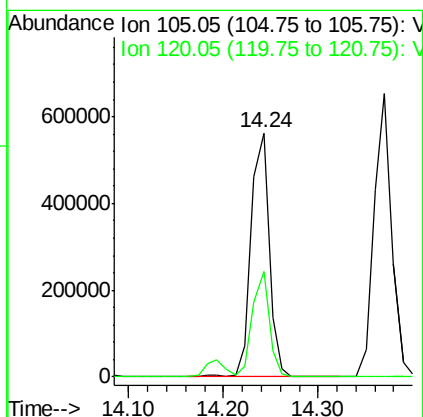
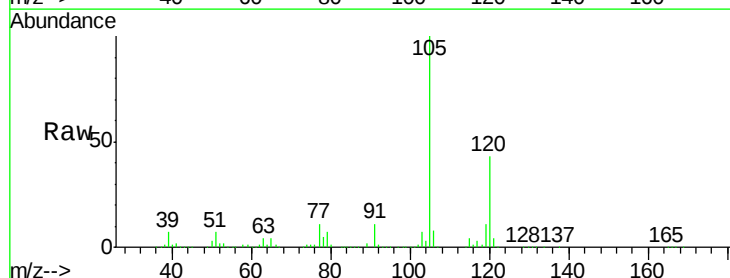
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

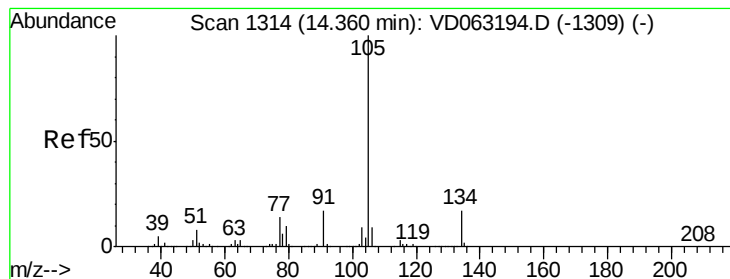
Tot Ion:119 Resp: 864530
Ion Ratio Lower Upper
119 100
91 70.2 39.1 117.5
134 22.8 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 19.597 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion:105 Resp: 749173
Ion Ratio Lower Upper
105 100
120 43.0 20.9 62.7





#85

sec-Butylbenzene

Concen: 19.374 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

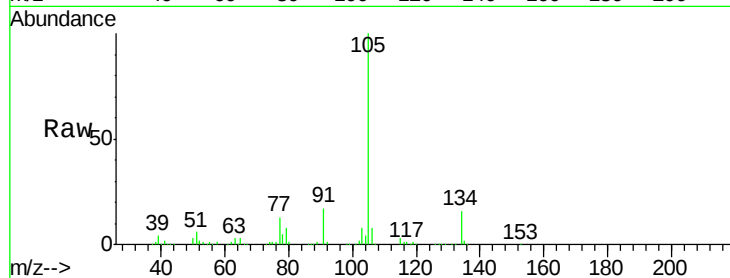
VD0806SBSD01

Tot Ion:105 Resp: 861395

Ion Ratio Lower Upper

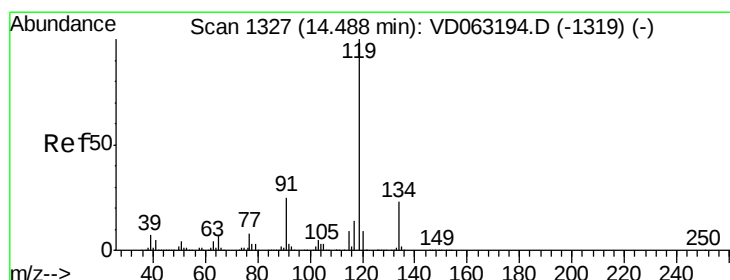
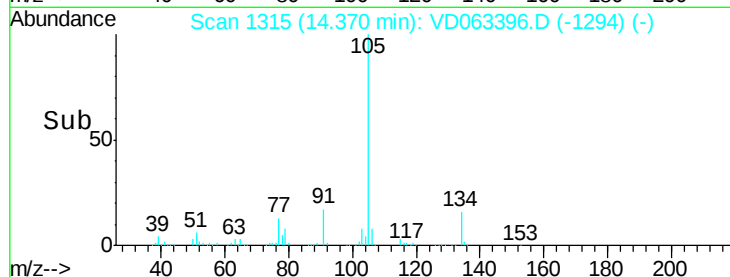
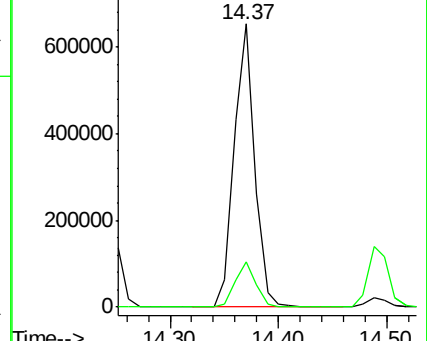
105 100

134 16.1 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.763 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

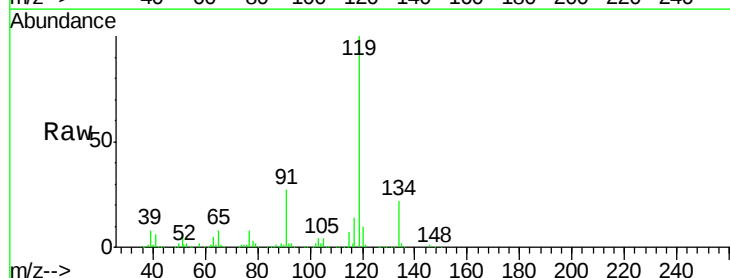
Tgt Ion:119 Resp: 838690

Ion Ratio Lower Upper

119 100

134 21.6 11.5 34.5

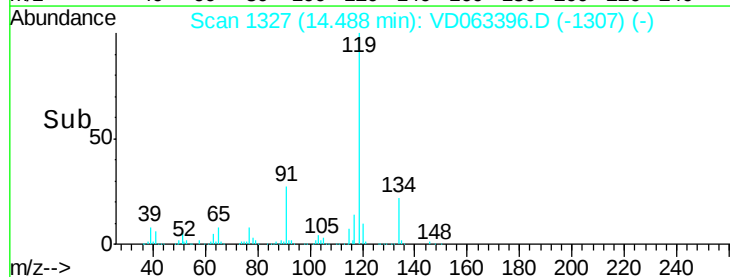
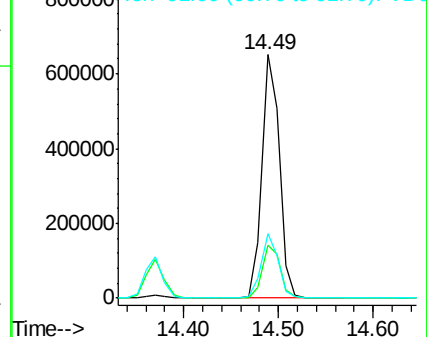
91 26.6 12.6 37.6

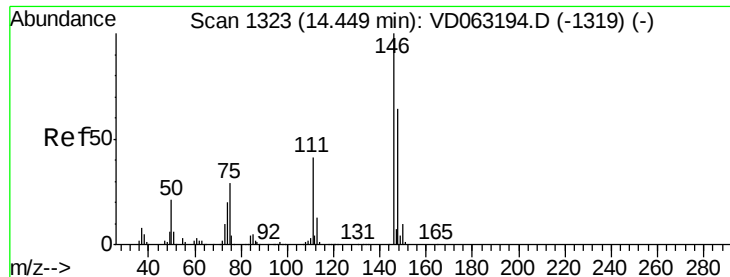


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.355 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

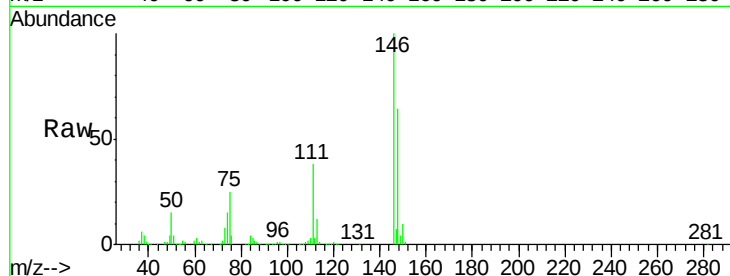
Tot Ion:146 Resp: 418420

Ion Ratio Lower Upper

146 100

111 38.2 20.4 61.3

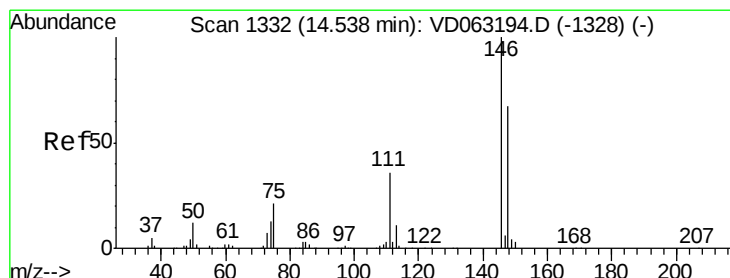
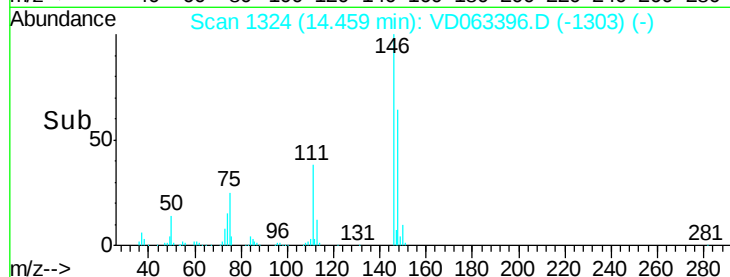
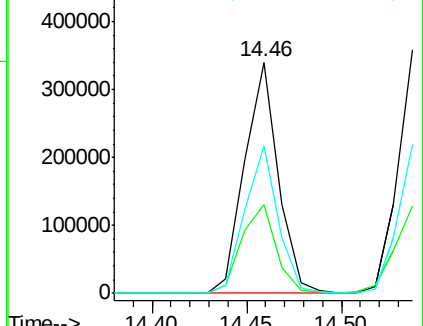
148 64.0 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.433 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

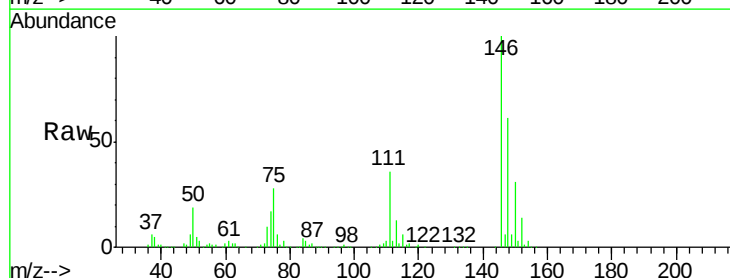
Tgt Ion:146 Resp: 424820

Ion Ratio Lower Upper

146 100

111 36.1 18.1 54.3

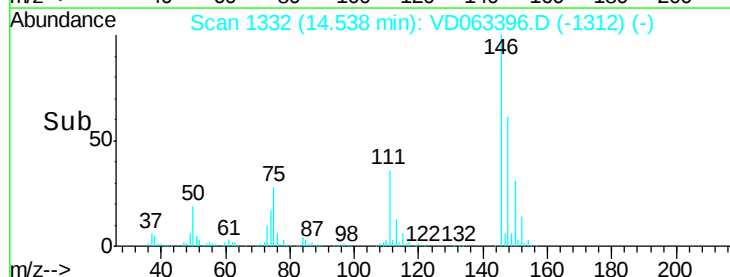
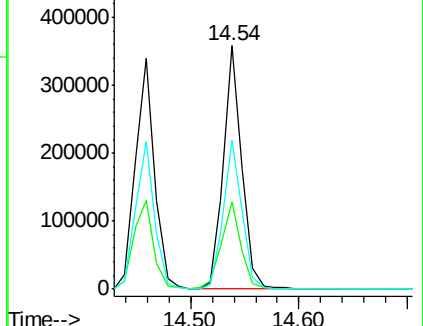
148 60.9 33.4 100.1

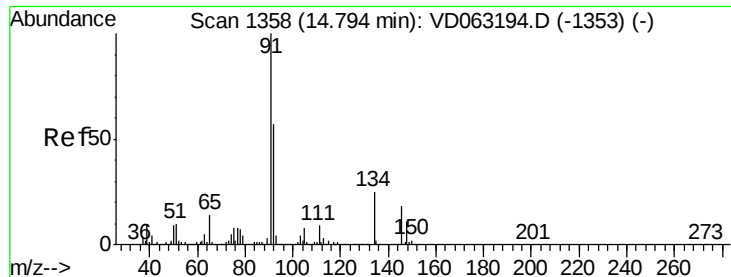


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.480 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

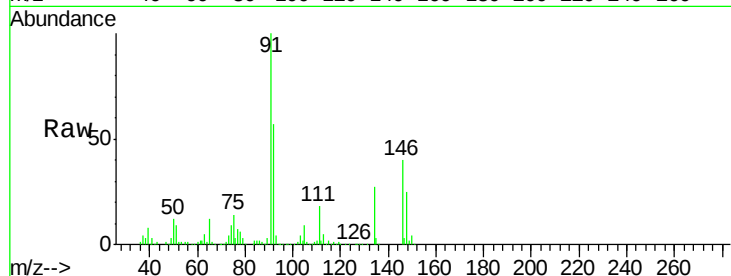
Tot Ion: 91 Resp: 750621

Ion Ratio Lower Upper

91 100

92 57.4 28.3 85.0

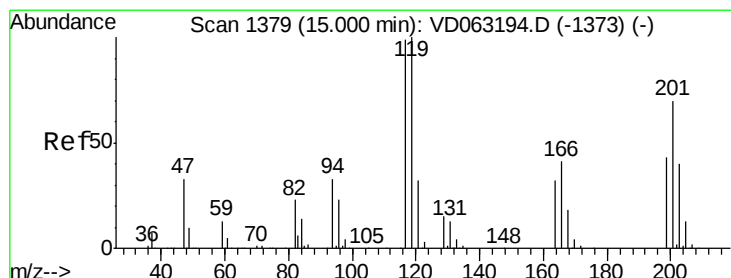
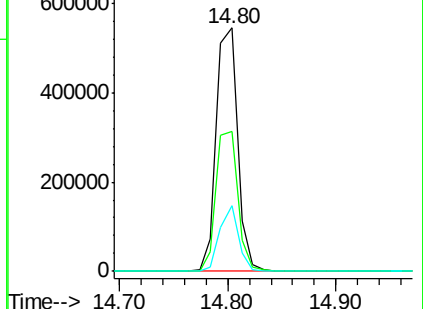
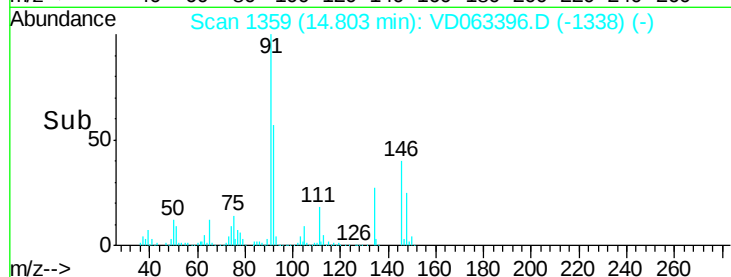
134 27.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.337 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063396.D

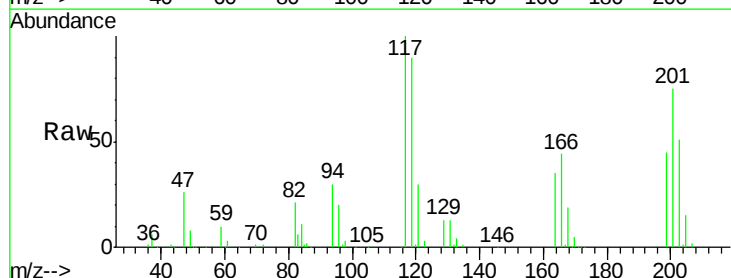
Acq: 6 Aug 2019 13:57

Tgt Ion: 117 Resp: 202741

Ion Ratio Lower Upper

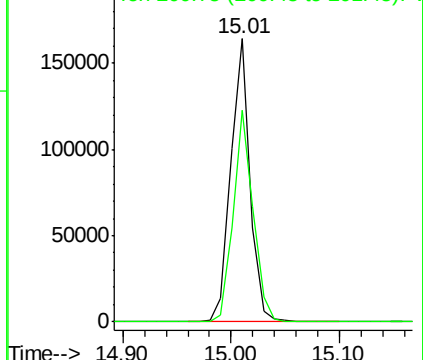
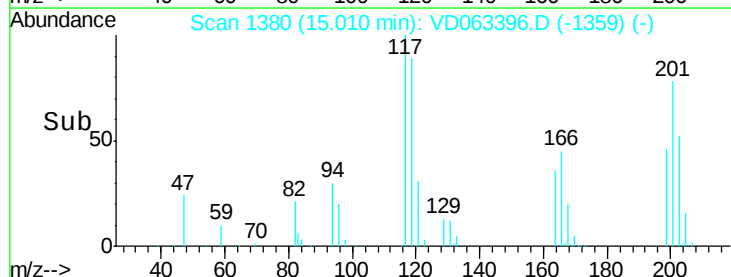
117 100

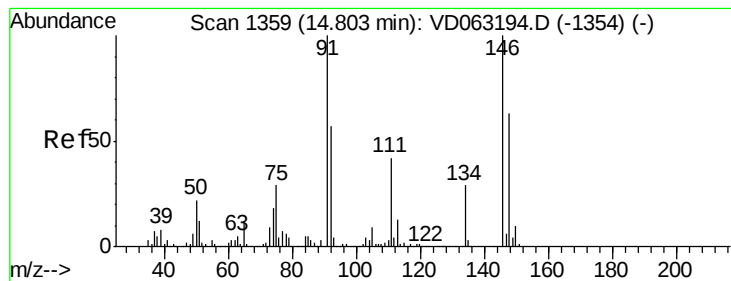
201 74.9 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 19.834 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

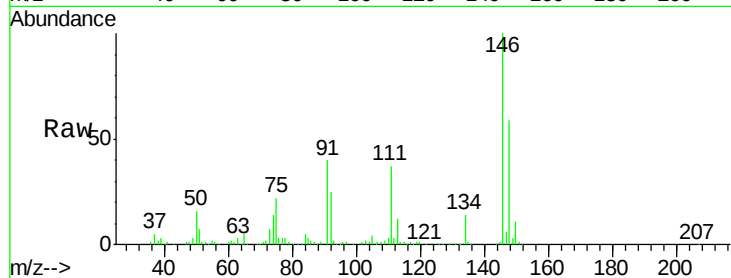
Tot Ion:146 Resp: 373571

Ion Ratio Lower Upper

146 100

111 36.7 21.1 63.3

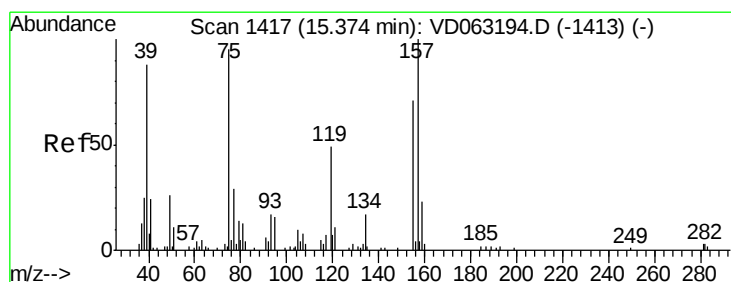
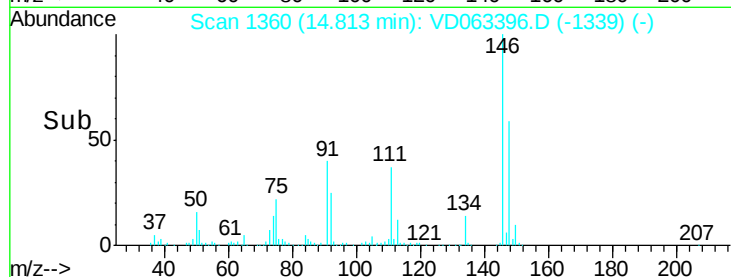
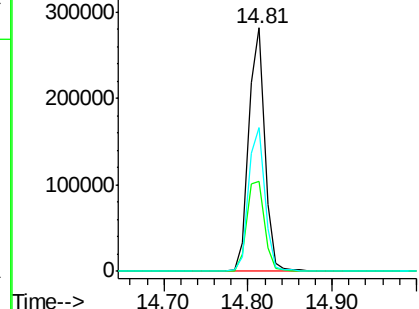
148 59.1 31.6 94.8



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: 16.924 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063396.D

Acq: 6 Aug 2019 13:57

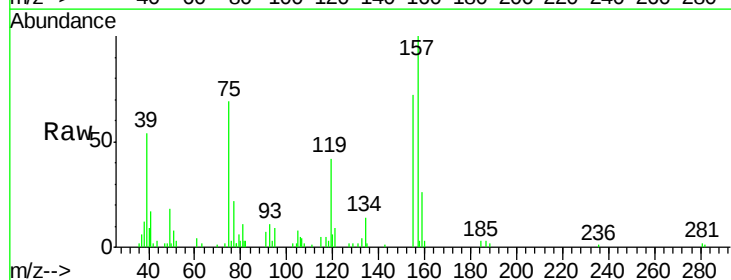
Tgt Ion: 75 Resp: 25093

Ion Ratio Lower Upper

75 100

155 105.1 37.0 111.0

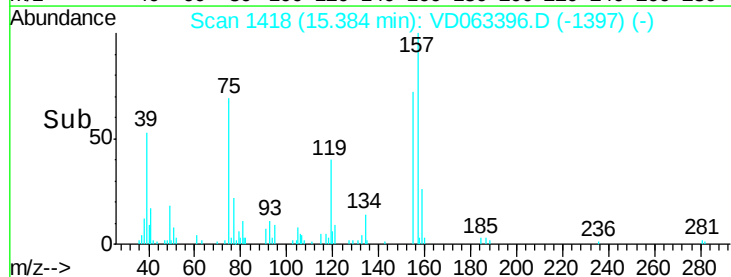
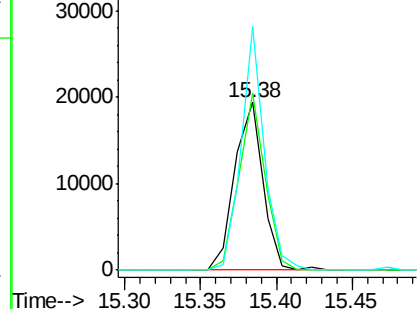
157 145.0 52.4 157.2

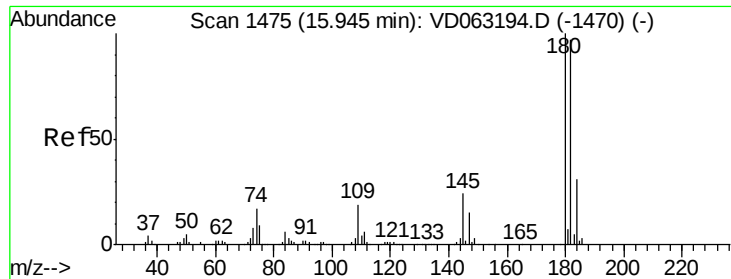


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

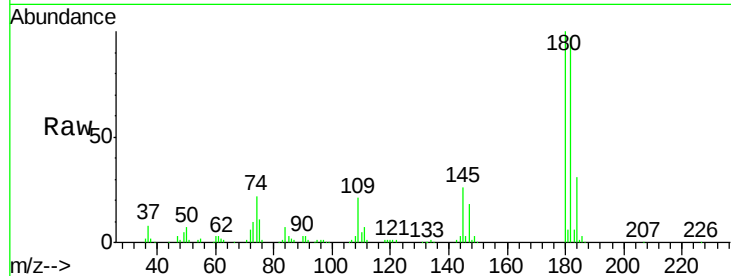




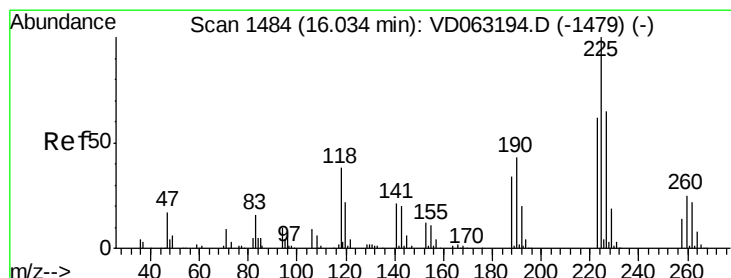
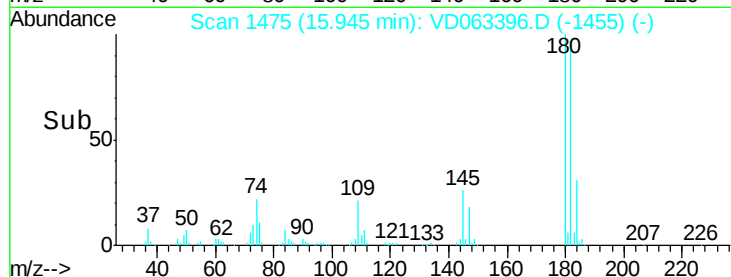
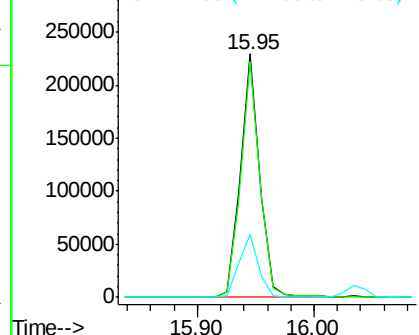
#93
 1,2,4-Trichlorobenzene
 Concen: 17.627 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.6	145.8
145	26.0	12.2	36.6

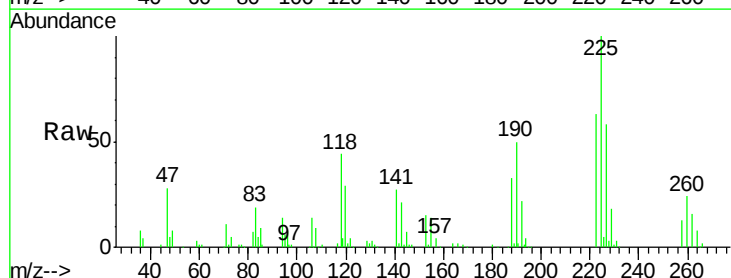


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

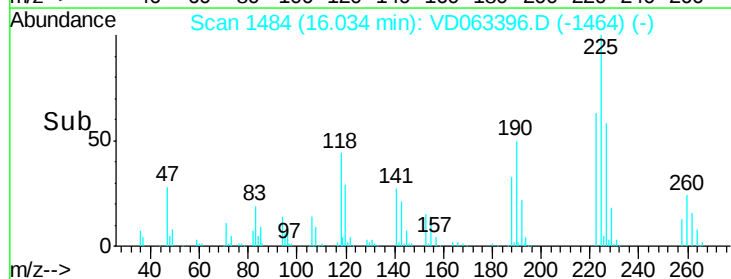
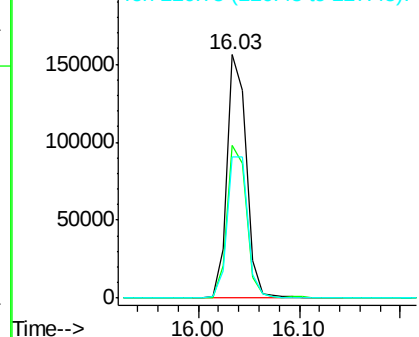


#94
 Hexachlorobutadiene
 Concen: 19.342 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063396.D
 Acq: 6 Aug 2019 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.5
227	58.2	32.6	97.7



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

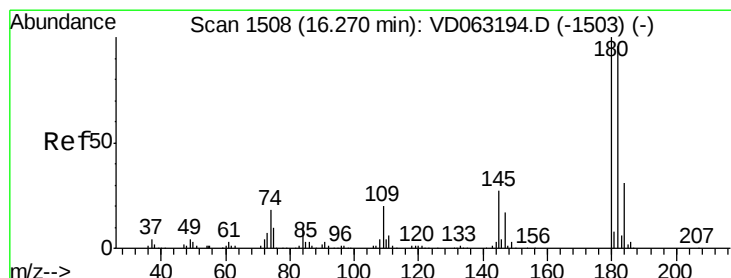
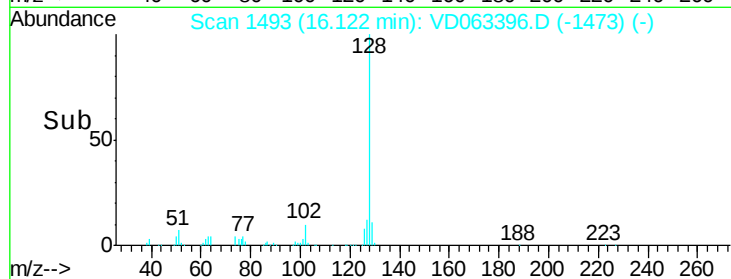
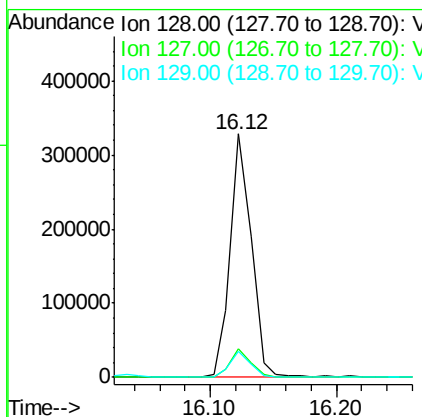
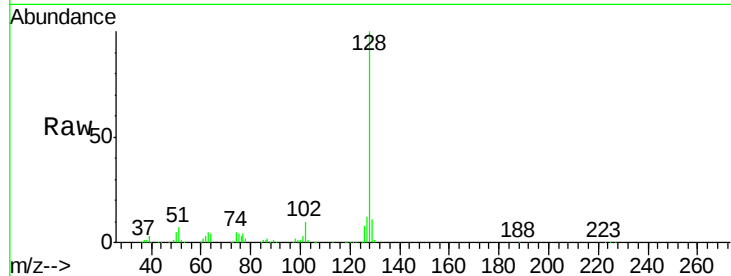




#95
Naphthalene
Concen: 18.041 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion:128 Resp: 381002
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.4
129 10.9 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 18.838 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063396.D
Acq: 6 Aug 2019 13:57

Tgt Ion:180 Resp: 222364
Ion Ratio Lower Upper
180 100
182 103.8 48.3 144.9
145 29.3 13.6 40.7

