

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063149.D
 Acq On : 19 Jul 2019 13:07
 Operator : VA/AP
 Sample : VD0719SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 05:00:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	756438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1015609	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	852066	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	492305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	431840	45.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	6.93	113	482043	47.65	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.41	98	1023940	47.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	13.55	95	453742	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	193483	22.343	ug/l 95
3) Chloromethane	1.75	50	154977	20.641	ug/l 90
4) Vinyl Chloride	1.84	62	160544	19.886	ug/l 96
5) Bromomethane	2.14	94	57917	16.628	ug/l # 92
6) Chloroethane	2.25	64	64496	17.198	ug/l # 80
7) Trichlorofluoromethane	2.52	101	298034	18.236	ug/l 96
8) Diethyl Ether	2.87	74	46765	20.342	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	184526	19.581	ug/l 91
10) Methyl Iodide	3.30	142	215074	18.590	ug/l 95
11) Tert butyl alcohol	4.09	59	50879	93.561	ug/l 98
12) 1,1-Dichloroethene	3.12	96	129010	19.278	ug/l 98
13) Acrolein	3.16	56	576	3.509	ug/l 96
14) Allyl chloride	3.61	41	210063	19.973	ug/l # 90
15) Acrylonitrile	4.19	53	119934	99.771	ug/l 96
16) Acetone	3.23	43	203685	89.496	ug/l 100
17) Carbon Disulfide	3.36	76	362996	18.951	ug/l 100
18) Methyl Acetate	3.64	43	102423	31.834	ug/l 98
19) Methyl tert-butyl Ether	4.23	73	330768	19.581	ug/l 99
20) Methylene Chloride	3.81	84	159772	18.582	ug/l 89
21) trans-1,2-Dichloroethene	4.21	96	139382	18.762	ug/l 94
22) Diisopropyl ether	5.13	45	443664	19.402	ug/l # 95
23) Vinyl Acetate	5.06	43	1241987	93.097	ug/l 97
24) 1,1-Dichloroethane	4.98	63	272054	19.314	ug/l 97
25) 2-Butanone	6.08	43	211502	97.318	ug/l 100
26) 2,2-Dichloropropane	6.02	77	302973	19.435	ug/l 94
27) cis-1,2-Dichloroethene	6.03	96	171484	20.292	ug/l 99
28) Bromochloromethane	6.44	49	108250	21.183	ug/l 97
29) Tetrahydrofuran	6.47	42	97428	98.894	ug/l 95
30) Chloroform	6.66	83	351243	20.248	ug/l 90
31) Cyclohexane	6.95	56	164782	18.370	ug/l 95
32) 1,1,1-Trichloroethane	6.87	97	318962	18.646	ug/l 95
36) 1,1-Dichloropropene	7.14	75	216505	18.954	ug/l # 87
37) Ethyl Acetate	6.19	43	100402	20.539	ug/l # 90
38) Carbon Tetrachloride	7.12	117	312197	17.987	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	178482	18.074	ug/l	95
40) Benzene	7.46	78	460840	19.263	ug/l	96
41) Methacrylonitrile	6.47	41	133029	20.072	ug/l #	84
42) 1,2-Dichloroethane	7.58	62	237870	18.663	ug/l	96
43) Isopropyl Acetate	9.24	43	132479	18.907	ug/l #	98
44) Trichloroethene	8.54	130	180310	19.503	ug/l	99
45) 1,2-Dichloropropane	8.94	63	121619	20.390	ug/l	92
46) Dibromomethane	9.06	93	102917	20.079	ug/l	93
47) Bromodichloromethane	9.38	83	255287	19.087	ug/l	95
48) Methyl methacrylate	9.12	41	91848	19.961	ug/l	97
49) 1,4-Dioxane	9.09	88	15831	398.931	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	483776	104.097	ug/l	98
52) Toluene	10.51	92	297882	18.647	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	219396	19.146	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	227549	19.205	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	112415	20.362	ug/l	97
56) Ethyl methacrylate	11.04	69	115748	18.765	ug/l	97
57) 1,3-Dichloropropane	11.41	76	166323	19.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	332622	96.846	ug/l	97
59) 2-Hexanone	11.54	43	355797	99.271	ug/l	94
60) Dibromochloromethane	11.69	129	205757	19.443	ug/l	95
61) 1,2-Dibromoethane	11.81	107	134520	20.356	ug/l	97
64) Tetrachloroethene	11.26	164	161419	19.524	ug/l	96
65) Chlorobenzene	12.40	112	393148	19.628	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	166112	17.888	ug/l	96
67) Ethyl Benzene	12.53	91	638928	18.359	ug/l	99
68) m/p-Xylenes	12.67	106	466904	37.457	ug/l	90
69) o-Xylene	13.05	106	222739	18.845	ug/l	99
70) Styrene	13.07	104	380301	18.382	ug/l	94
71) Bromoform	13.24	173	127308	19.582	ug/l	91
73) Isopropylbenzene	13.41	105	705347	18.552	ug/l	96
74) N-amyl acetate	13.27	43	195610	18.448	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	120025	17.351	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	139451	18.414	ug/l	99
77) Bromobenzene	13.67	156	193744	17.970	ug/l	95
78) n-propylbenzene	13.78	91	820924	18.763	ug/l	95
79) 2-Chlorotoluene	13.84	91	488558	18.469	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	550123	16.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	32917	16.506	ug/l	93
82) 4-Chlorotoluene	13.95	91	530229	17.165	ug/l	93
83) tert-Butylbenzene	14.19	119	679945	18.148	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	621079	18.801	ug/l	96
85) sec-Butylbenzene	14.37	105	649872	16.325	ug/l	97
86) p-Isopropyltoluene	14.49	119	672999	18.123	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	353004	18.334	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	366386	19.849	ug/l	95
89) n-Butylbenzene	14.80	91	587792	17.173	ug/l	97
90) Hexachloroethane	15.01	117	176511	17.780	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	299646	17.477	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24589	18.545	ug/l	77

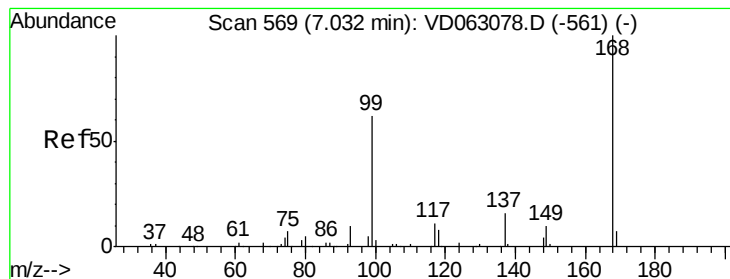
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	231300	17.957	ug/l	97
94) Hexachlorobutadiene	16.03	225	163714	17.243	ug/l	97
95) Naphthalene	16.12	128	349007	18.523	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	168120	16.225	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

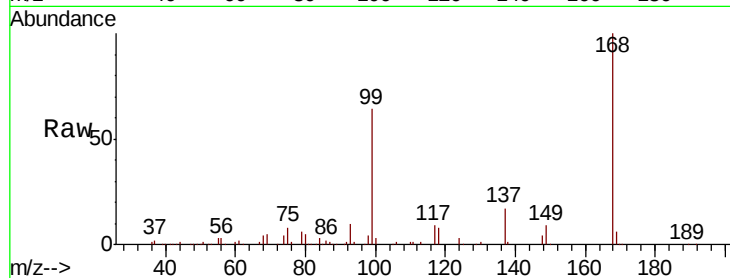
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 756438

Ion Ratio Lower Upper

168 100

99 64.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

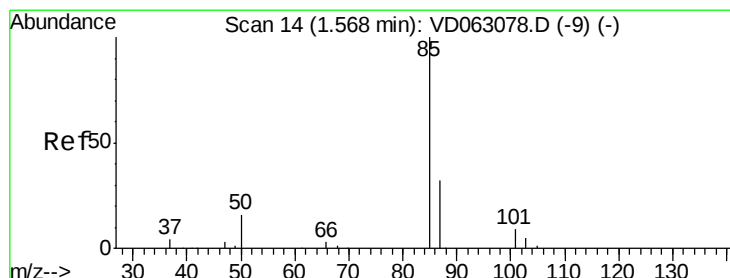
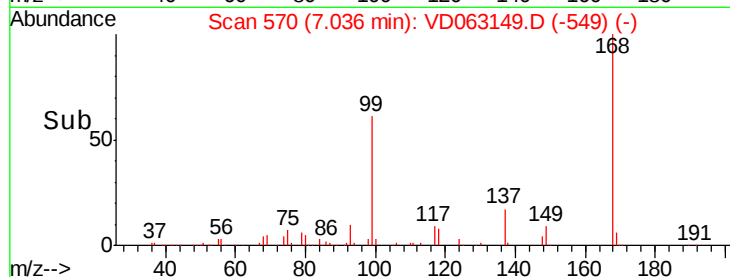
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.343 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD063149.D

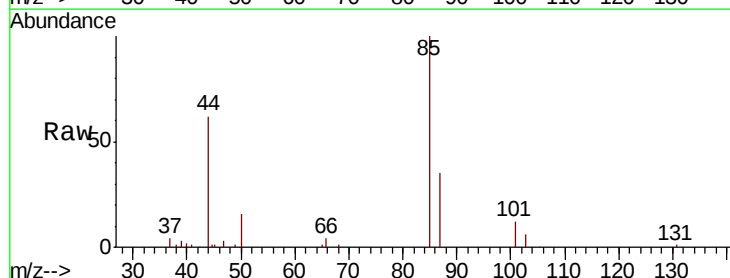
Acq: 19 Jul 2019 13:07

Tgt Ion: 85 Resp: 193483

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

80000

60000

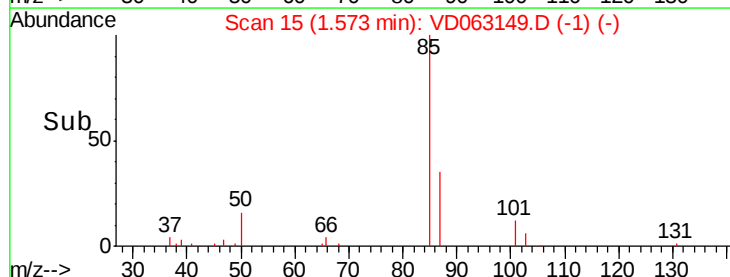
40000

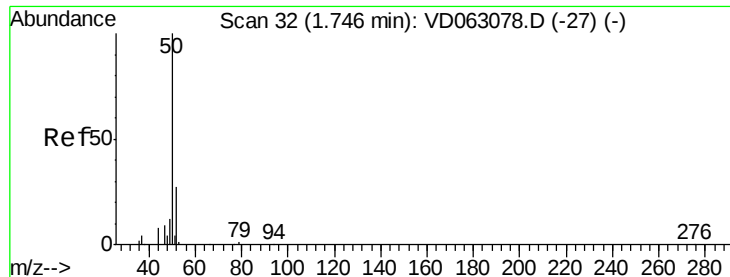
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.641 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

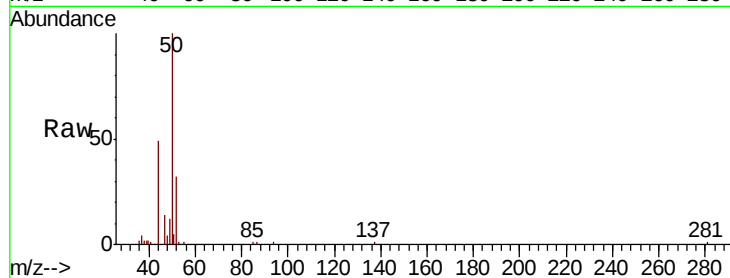
ClientSampleId :

Tot Ion: 50 Resp: 154977

Ion Ratio Lower Upper

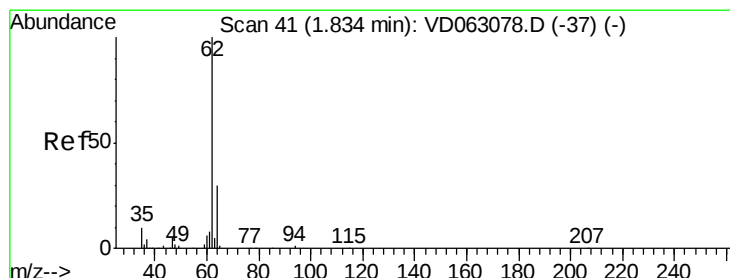
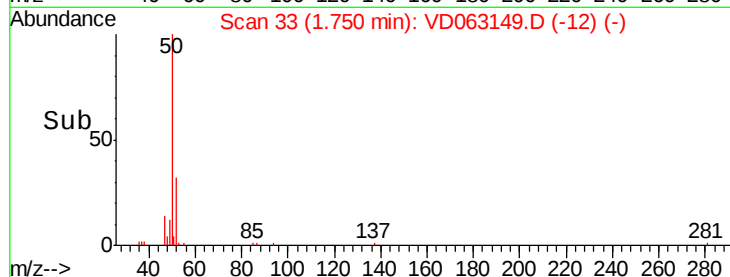
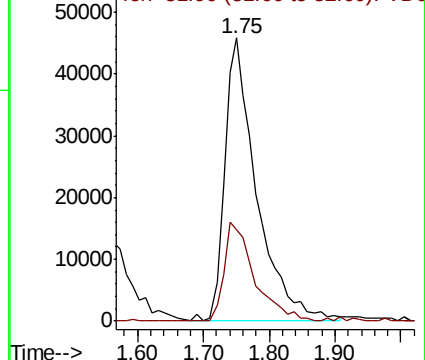
50 100

52 32.1 21.4 32.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.886 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063149.D

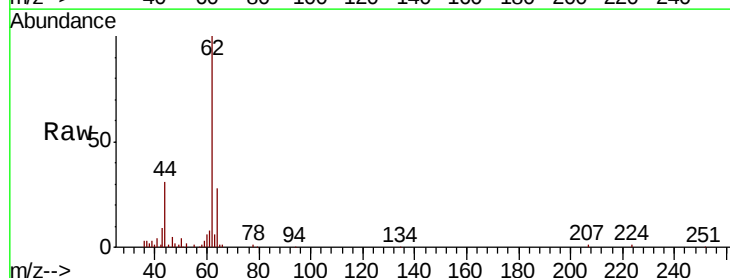
Acq: 19 Jul 2019 13:07

Tgt Ion: 62 Resp: 160544

Ion Ratio Lower Upper

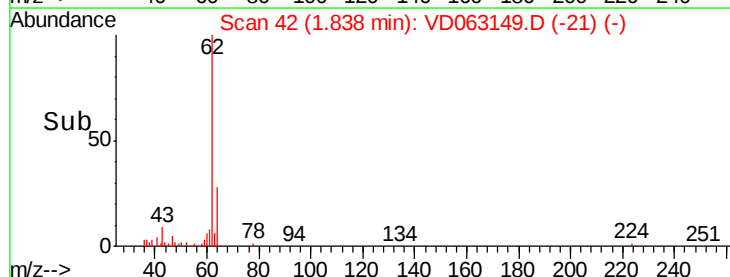
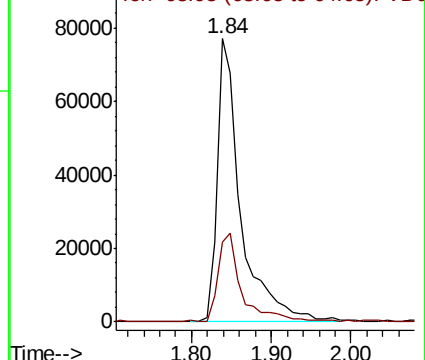
62 100

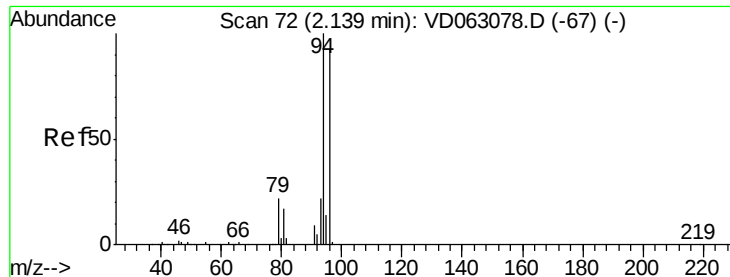
64 28.1 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.628 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

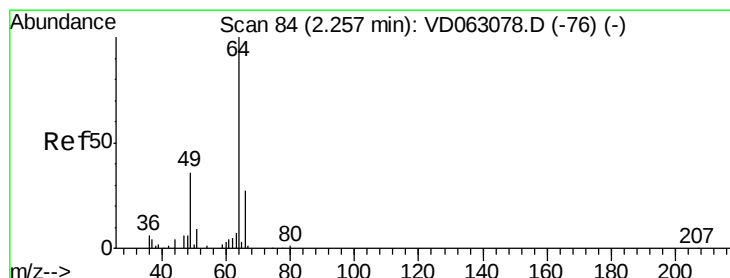
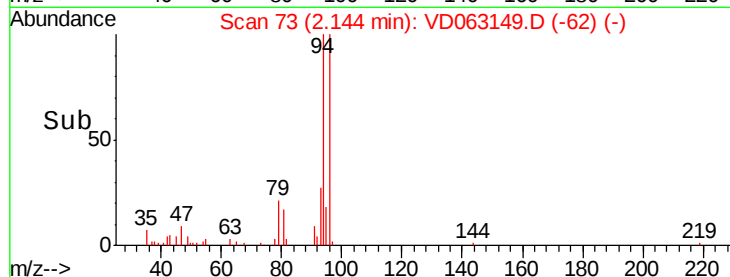
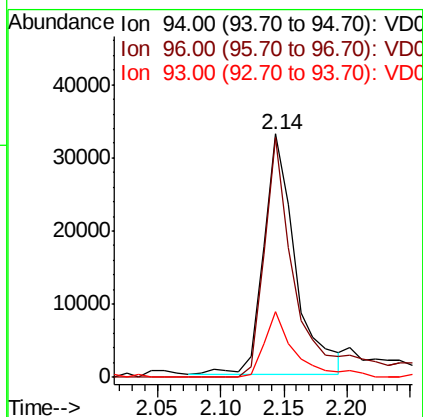
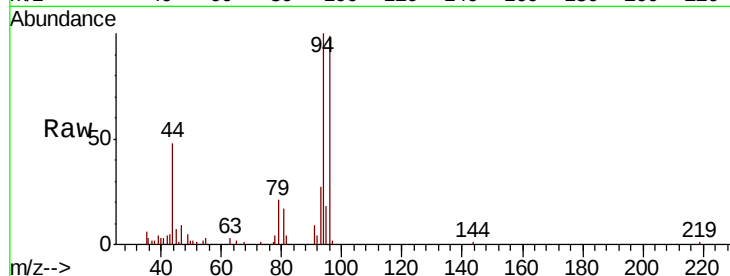
Tot Ion: 94 Resp: 57917

Ion Ratio Lower Upper

94 100

96 100.2 74.2 111.2

93 26.8 17.8 26.6#



#6

Chloroethane

Concen: 17.198 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063149.D

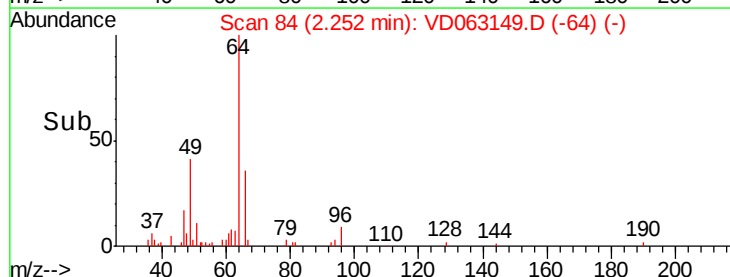
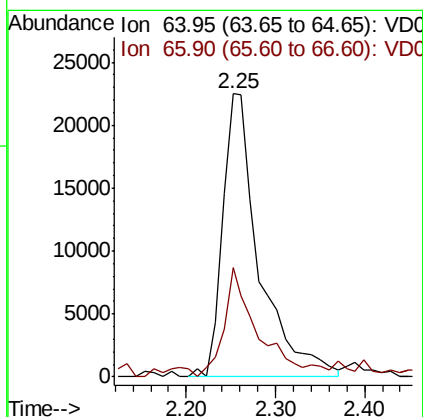
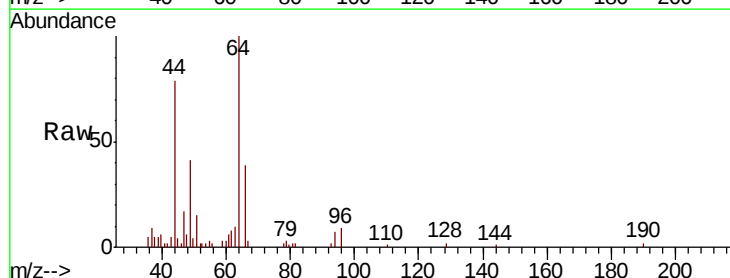
Acq: 19 Jul 2019 13:07

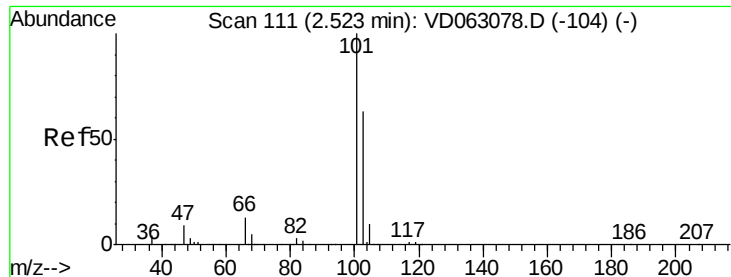
Tgt Ion: 64 Resp: 64496

Ion Ratio Lower Upper

64 100

66 38.7 22.5 33.7#



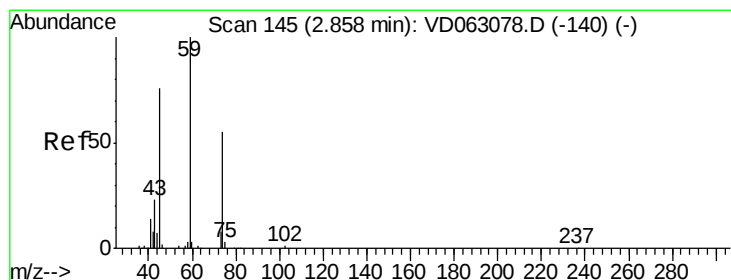
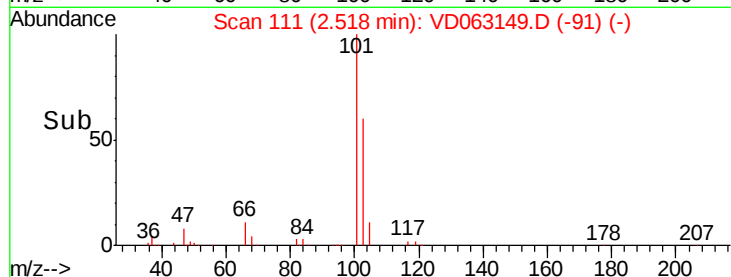
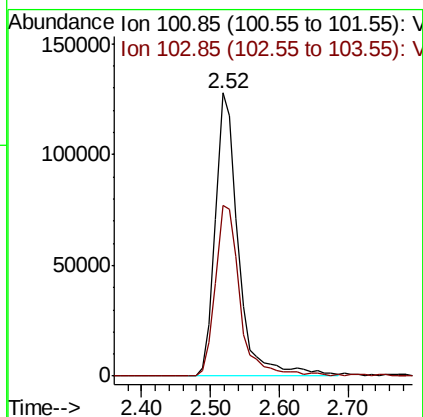
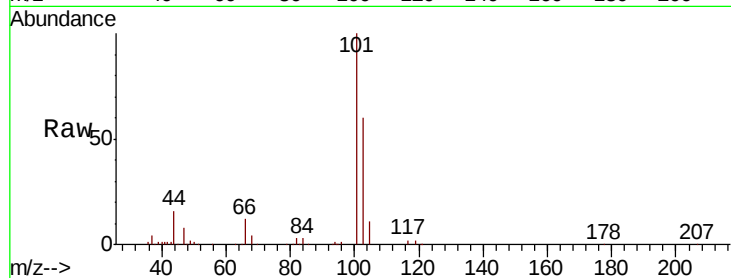


#7

Trichlorofluoromethane
 Concen: 18.236 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Instrument :
 MSVOA_D
 ClientSampled :

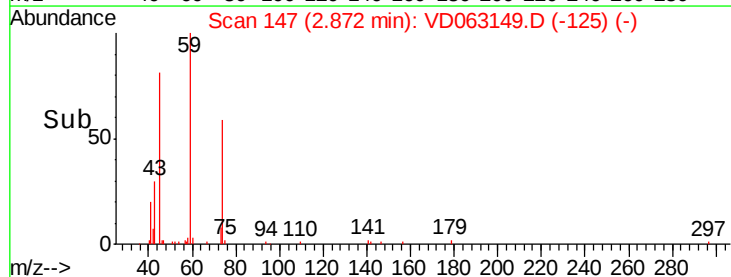
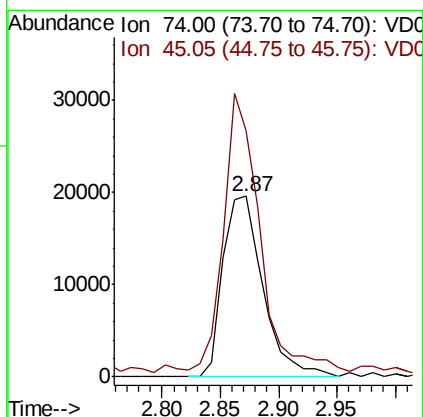
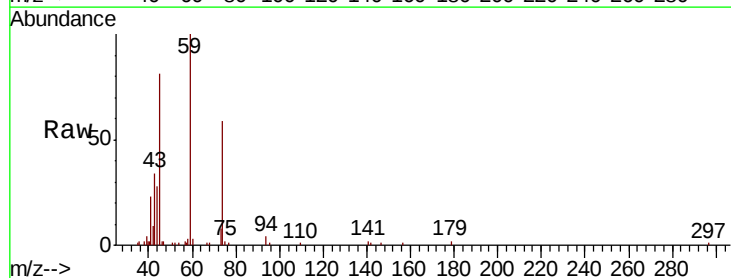
Tot Ion:101 Resp: 298034
 Ion Ratio Lower Upper
 101 100
 103 60.3 50.6 76.0

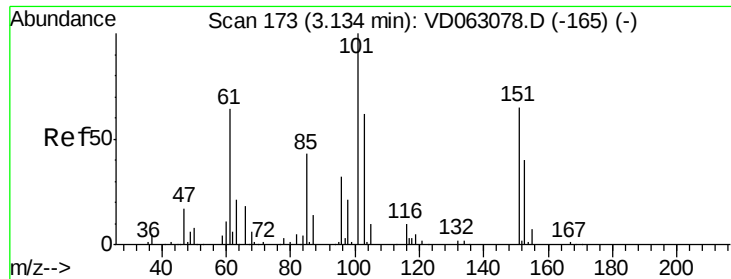


#8

Diethyl Ether
 Concen: 20.342 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion: 74 Resp: 46765
 Ion Ratio Lower Upper
 74 100
 45 136.5 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.581 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

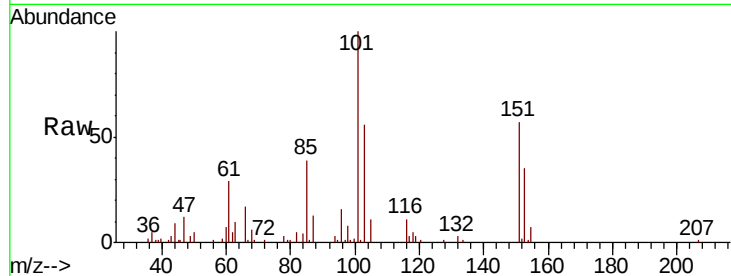
Tot Ion:101 Resp: 184526

Ion Ratio Lower Upper

101 100

85 39.0 34.6 51.8

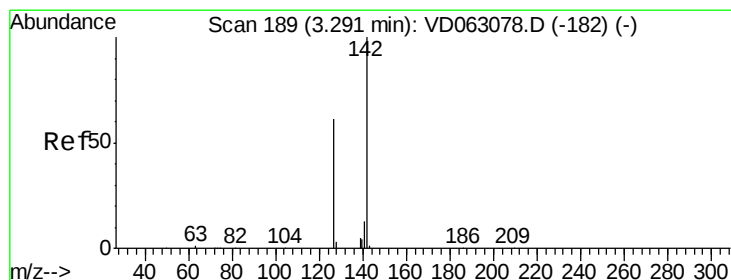
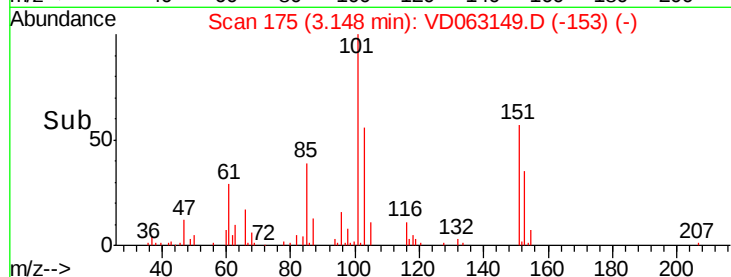
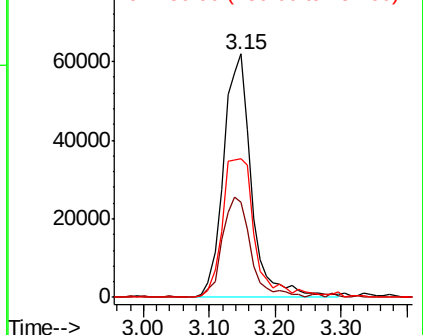
151 57.1 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.590 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

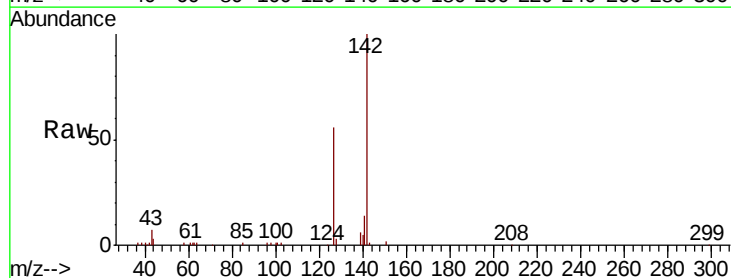
Tgt Ion:142 Resp: 215074

Ion Ratio Lower Upper

142 100

127 56.1 48.6 73.0

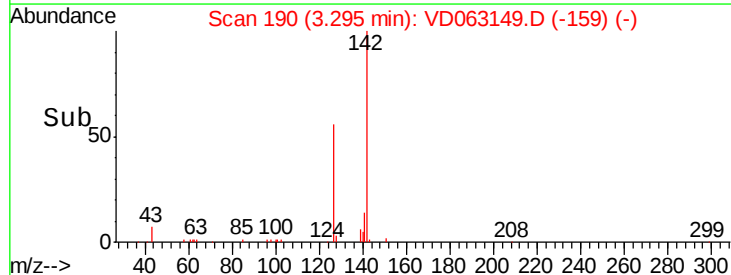
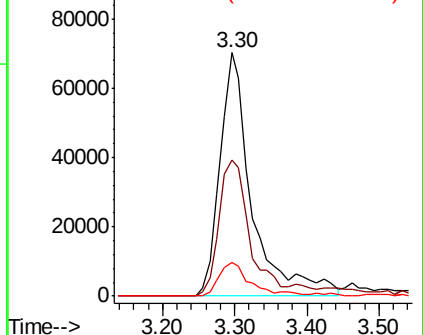
141 13.8 10.6 16.0

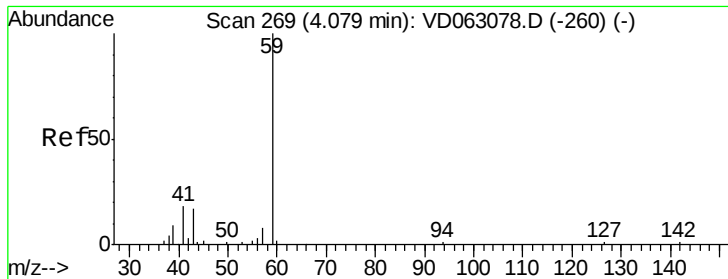


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



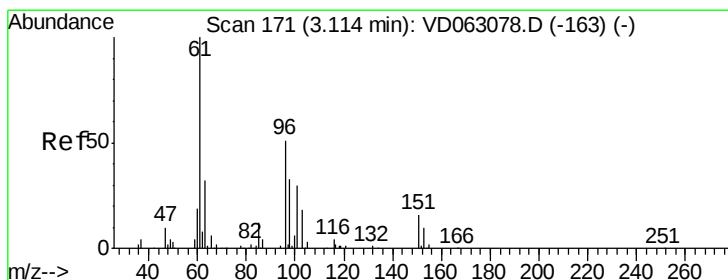
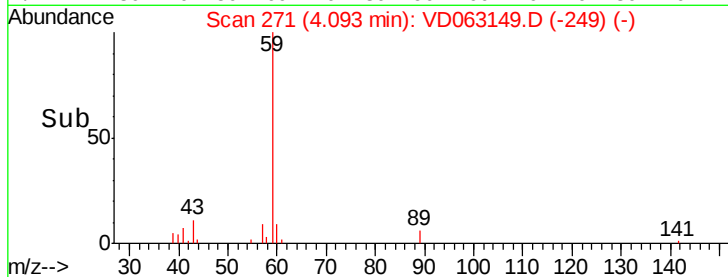
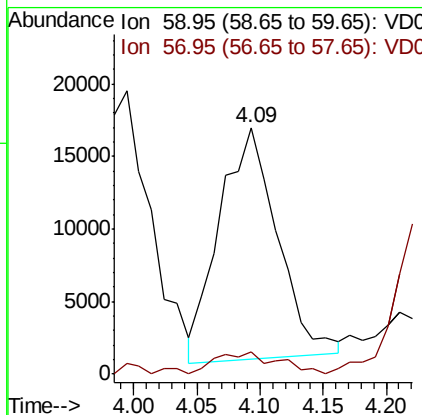
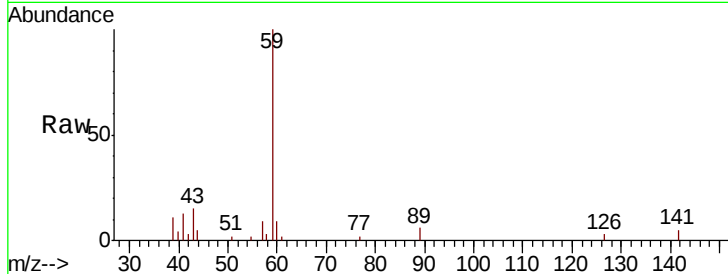


#11

Tert butyl alcohol
Concen: 93.561 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

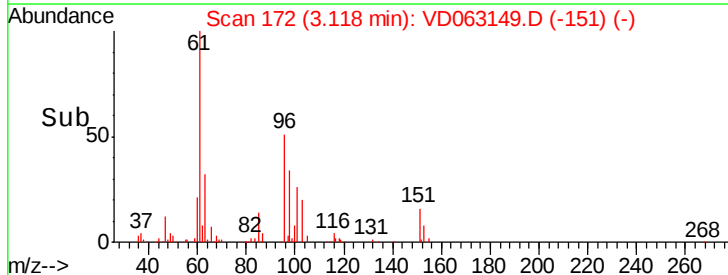
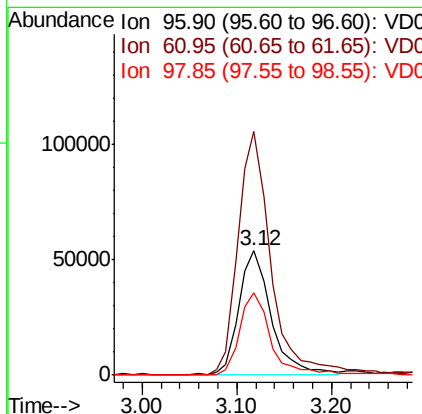
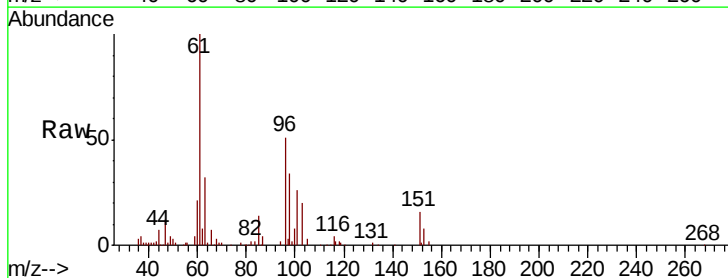
Tot Ion: 59 Resp: 50879
Ion Ratio Lower Upper
59 100
57 8.9 6.4 9.6

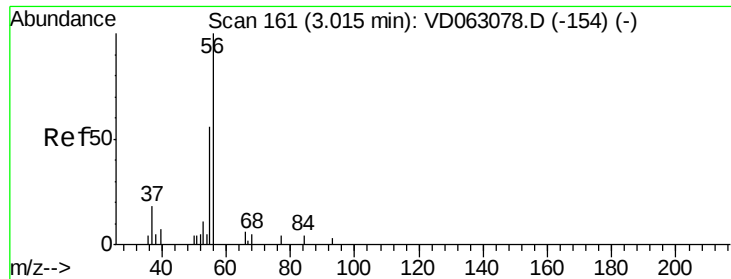


#12

1,1-Dichloroethene
Concen: 19.278 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 96 Resp: 129010
Ion Ratio Lower Upper
96 100
61 196.3 155.5 233.3
98 66.8 51.5 77.3





#13

Acrolein

Concen: 3.509 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.14 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

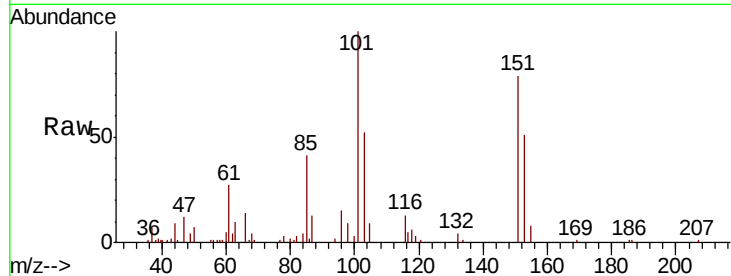
ClientSampled :

Tot Ion: 56 Resp: 576

Ion Ratio Lower Upper

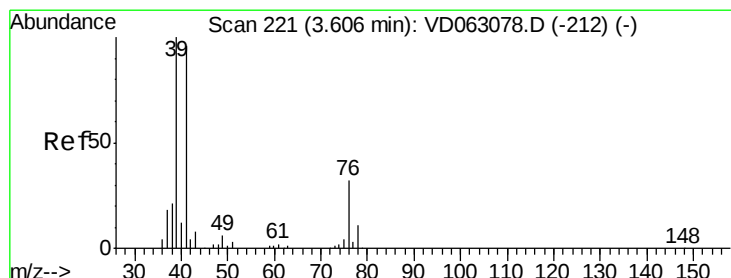
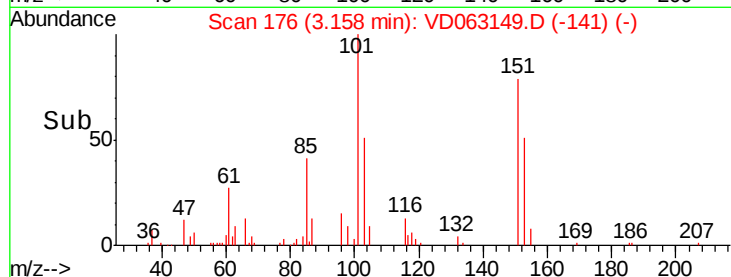
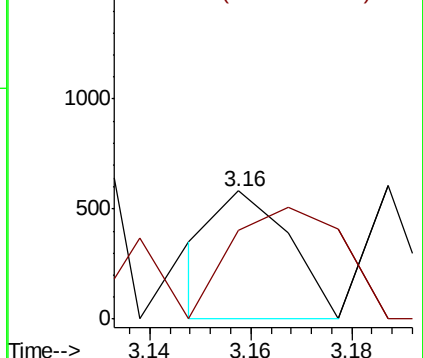
56 100

55 69.0 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.973 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

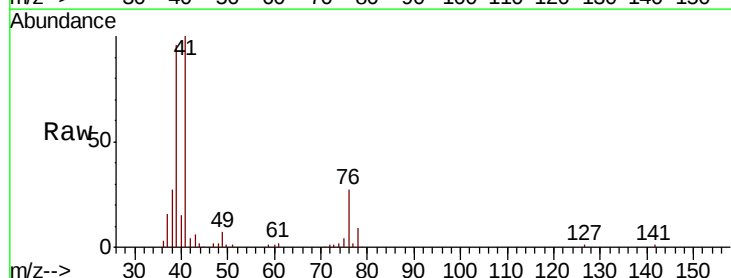
Tgt Ion: 41 Resp: 210063

Ion Ratio Lower Upper

41 100

39 95.8 83.5 125.3

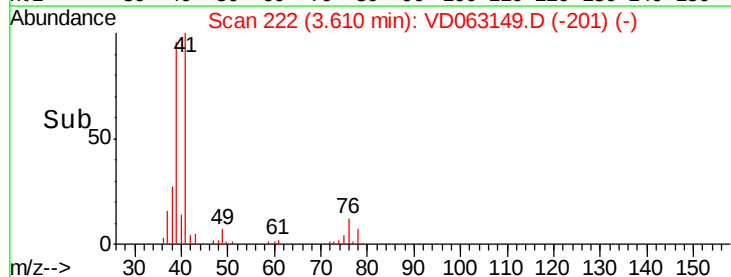
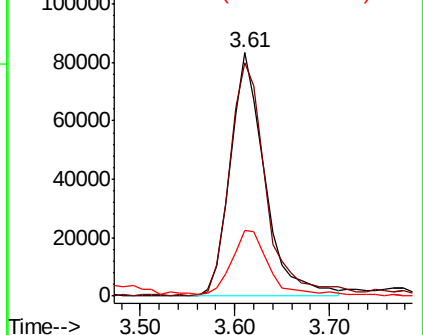
76 26.9 27.8 41.8#

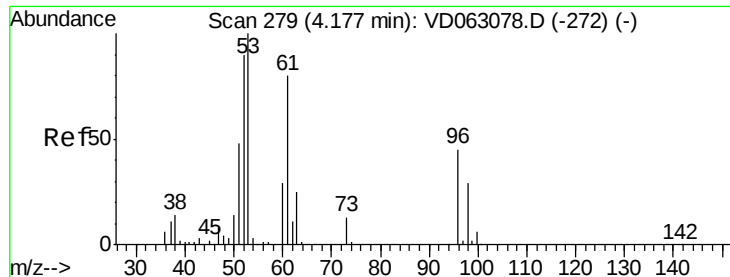


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.771 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampled :

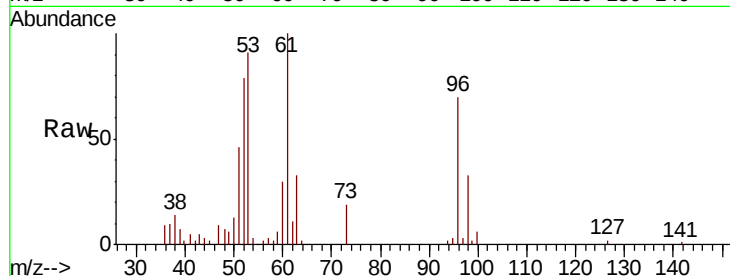
Tot Ion: 53 Resp: 119934

Ion Ratio Lower Upper

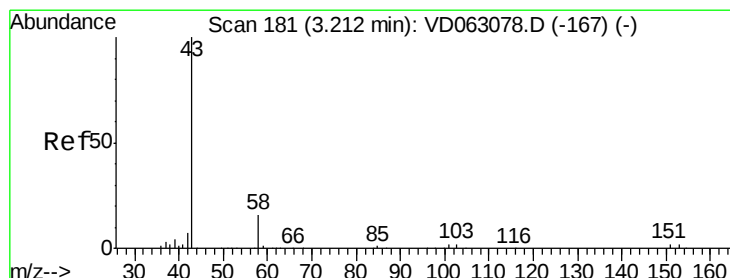
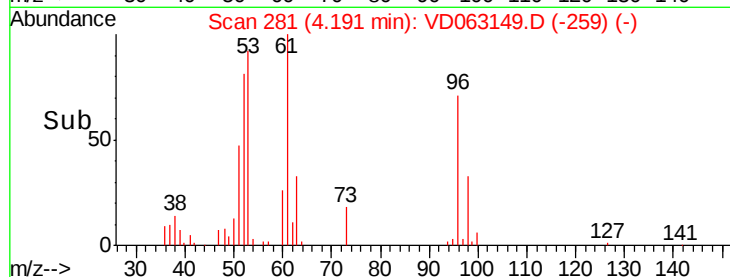
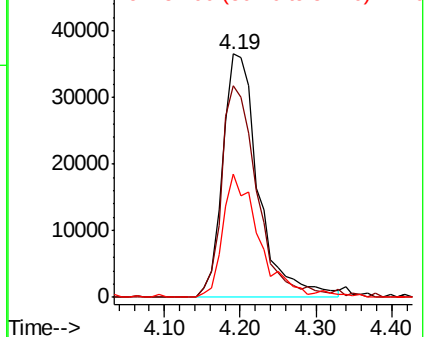
53 100

52 87.0 72.3 108.5

51 50.8 38.0 57.0



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: 89.496 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063149.D

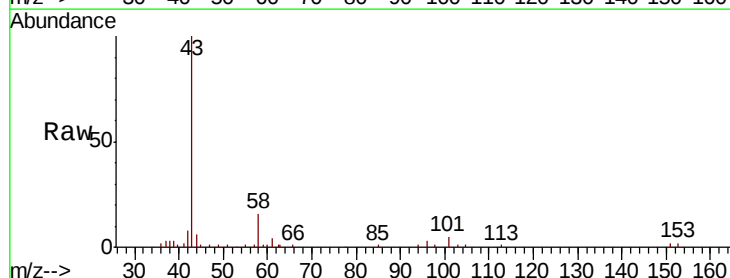
Acq: 19 Jul 2019 13:07

Tgt Ion: 43 Resp: 203685

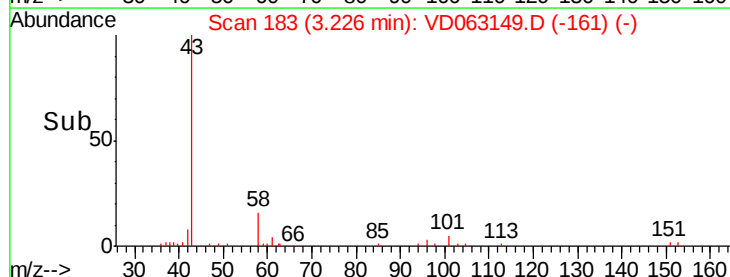
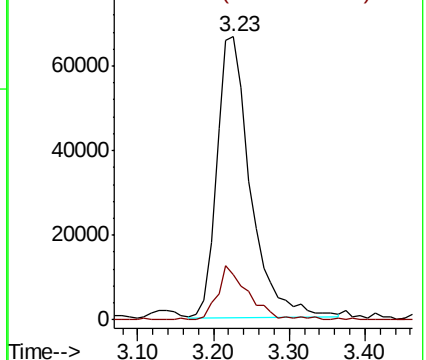
Ion Ratio Lower Upper

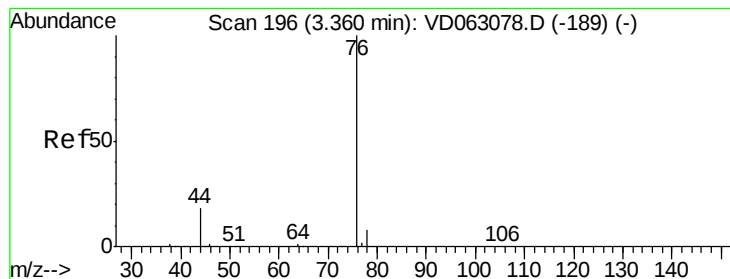
43 100

58 16.1 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: 18.951 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

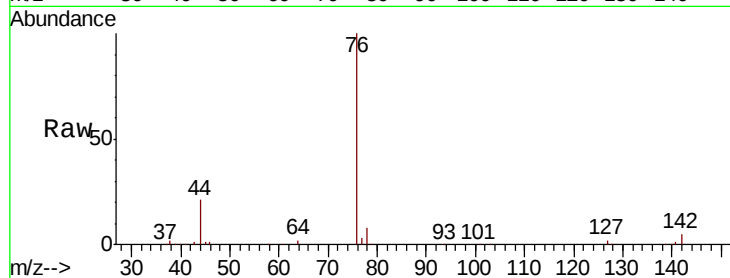
ClientSampleId :

Tot Ion: 76 Resp: 362996

Ion Ratio Lower Upper

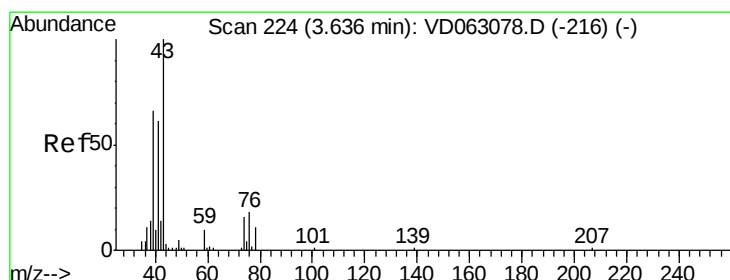
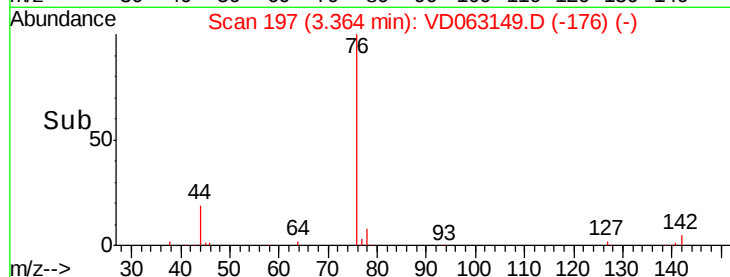
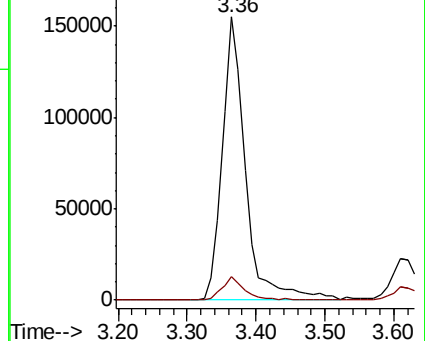
76 100

78 8.4 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 31.834 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD063149.D

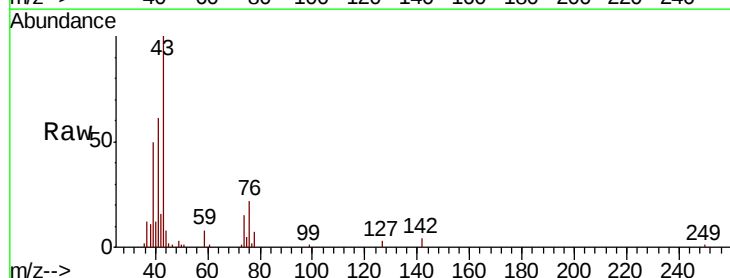
Acq: 19 Jul 2019 13:07

Tgt Ion: 43 Resp: 102423

Ion Ratio Lower Upper

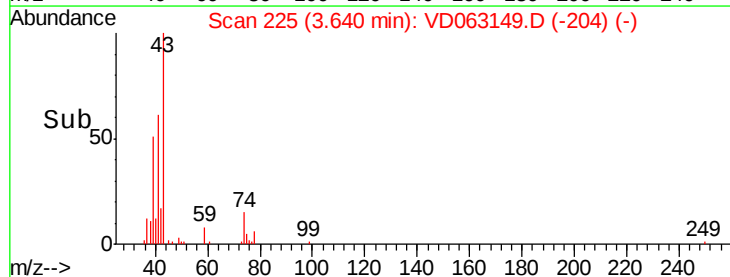
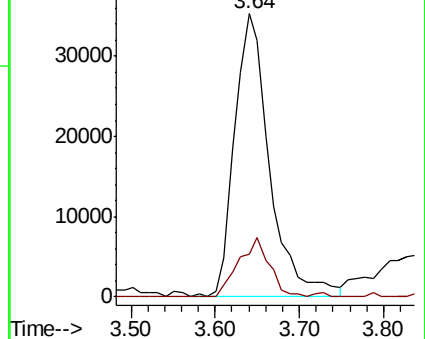
43 100

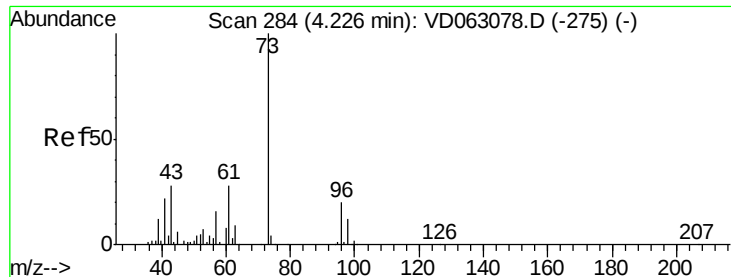
74 15.0 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



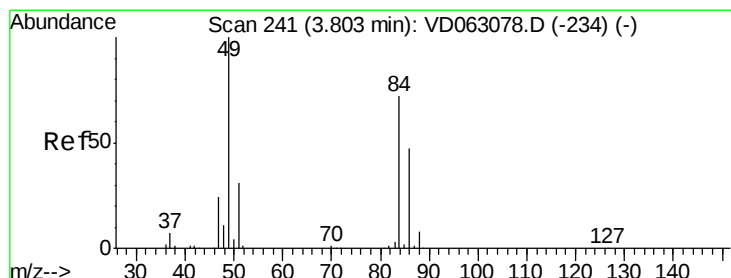
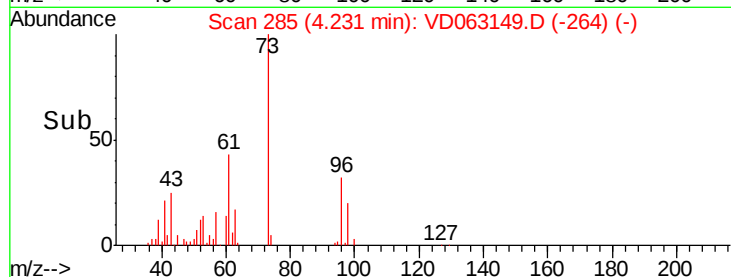
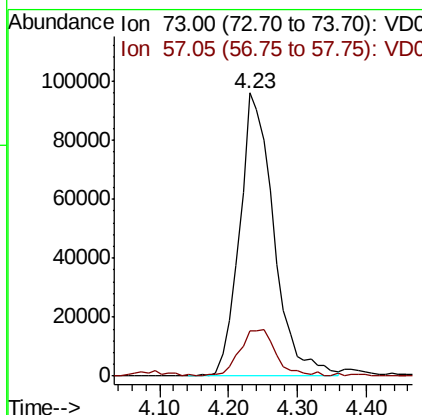
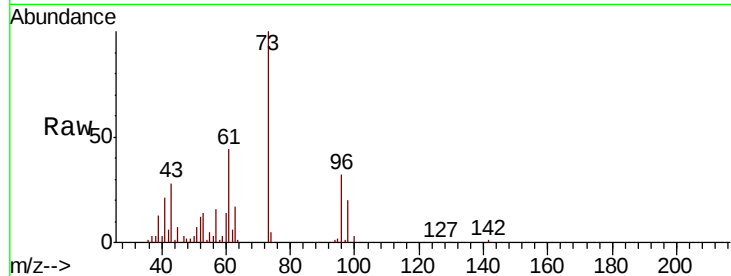


#19

Methyl tert-butyl Ether
 Concen: 19.581 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Instrument :
 MSVOA_D
 ClientSampled :

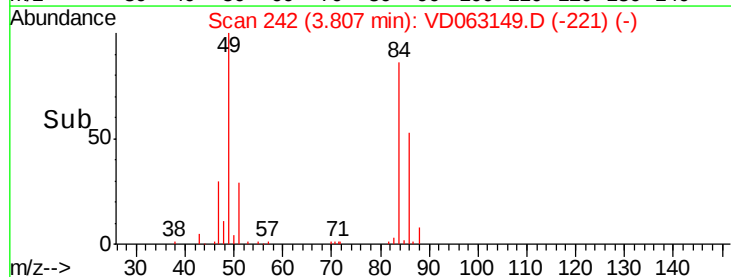
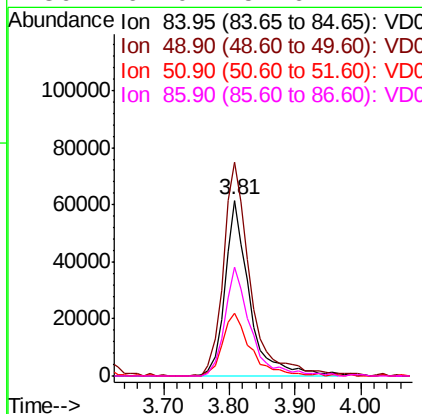
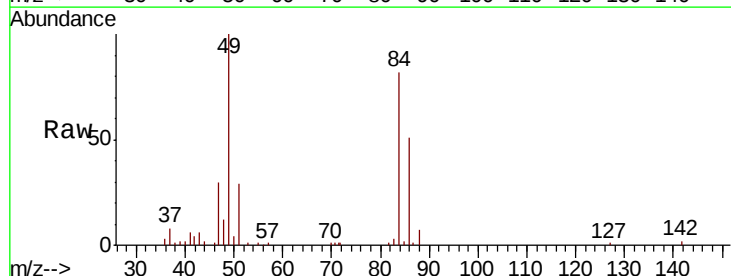
Tot Ion: 73 Resp: 330768
 Ion Ratio Lower Upper
 73 100
 57 16.1 13.1 19.7

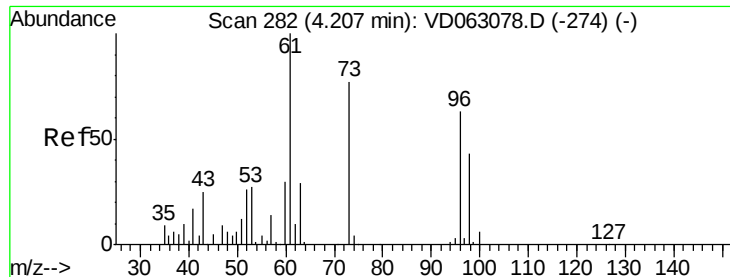


#20

Methylene Chloride
 Concen: 18.582 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion: 84 Resp: 159772
 Ion Ratio Lower Upper
 84 100
 49 121.5 110.5 165.7
 51 35.5 34.6 51.8
 86 62.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 18.762 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

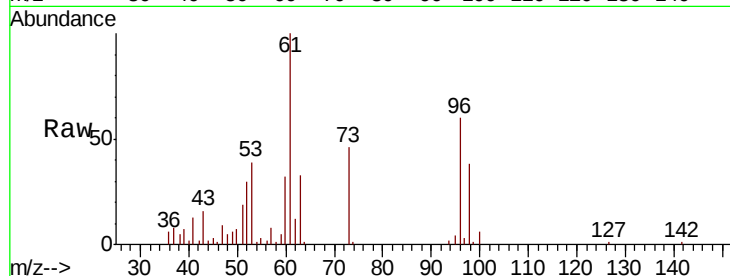
Tot Ion: 96 Resp: 139382

Ion Ratio Lower Upper

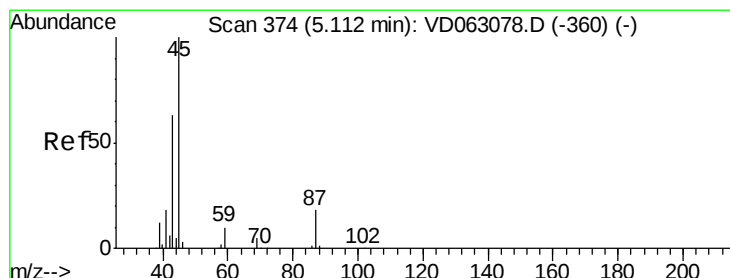
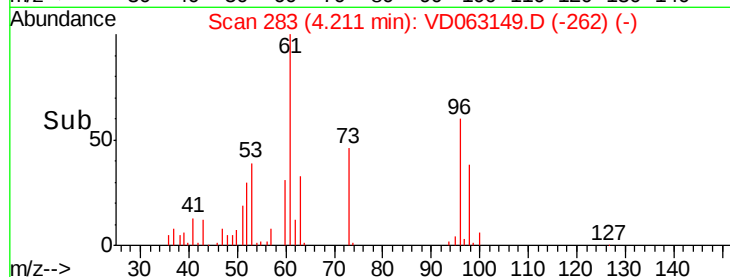
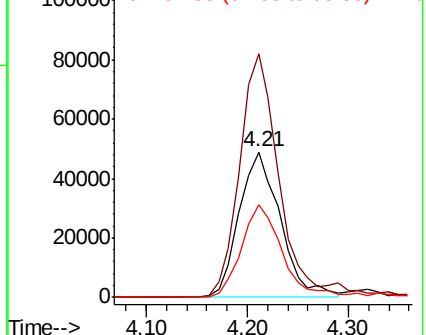
96 100

61 167.5 128.0 192.0

98 63.9 55.2 82.8



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



#22

Diisopropyl ether

Concen: 19.402 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Tgt Ion: 45 Resp: 443664

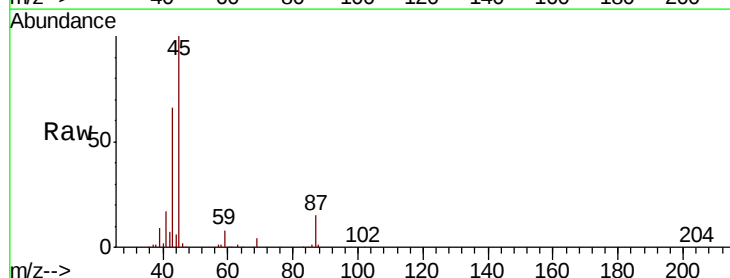
Ion Ratio Lower Upper

45 100

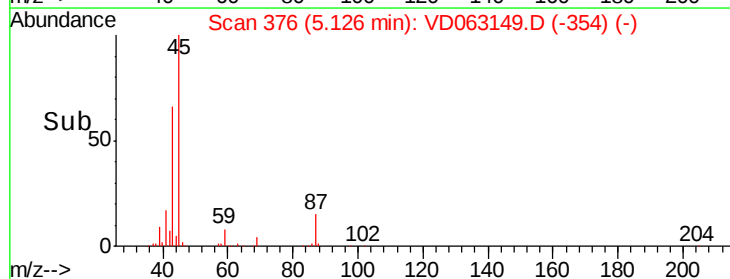
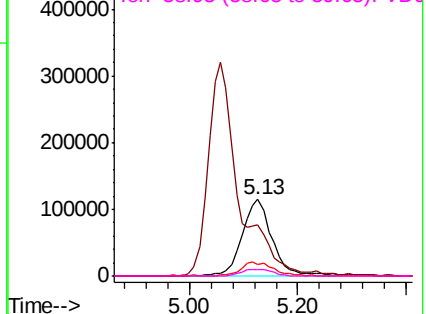
43 66.4 50.5 75.7

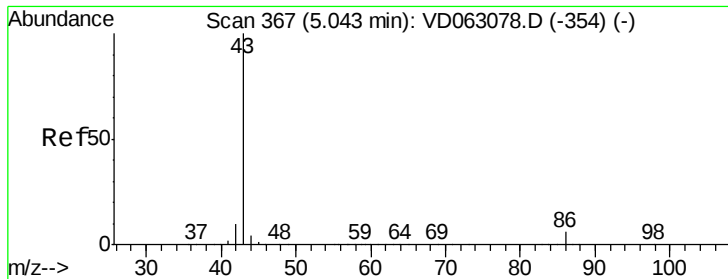
87 14.7 15.1 22.7#

59 8.3 7.6 11.4



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: 93.097 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

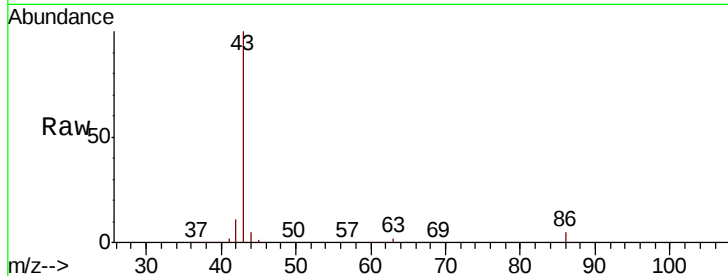
ClientSampleId :

Tot Ion: 43 Resp: 1241987

Ion Ratio Lower Upper

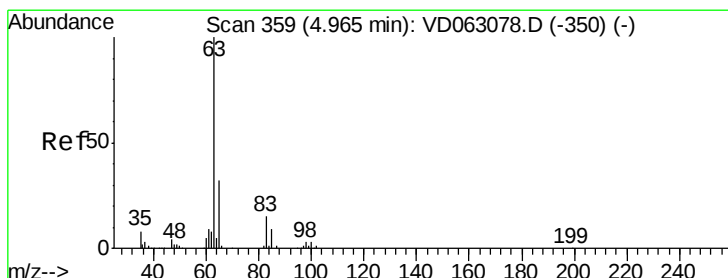
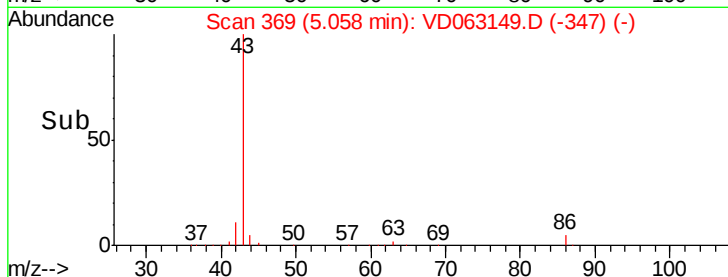
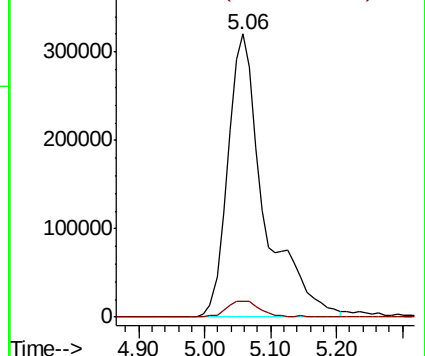
43 100

86 5.4 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.314 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

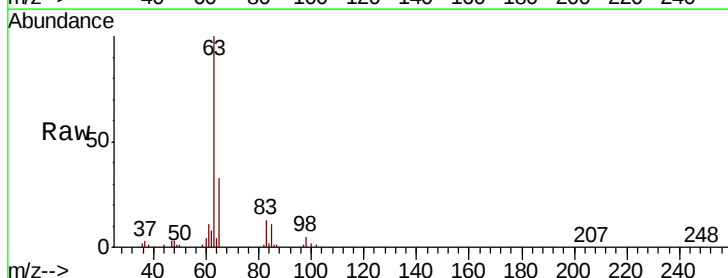
Tgt Ion: 63 Resp: 272054

Ion Ratio Lower Upper

63 100

98 4.5 1.7 5.1

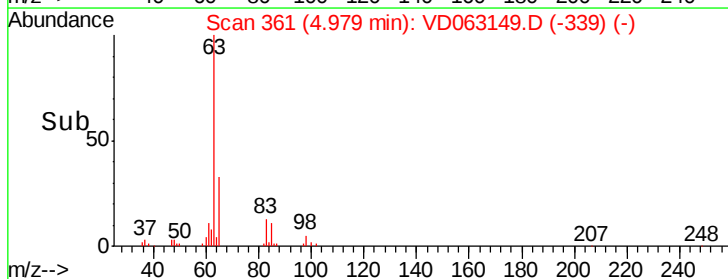
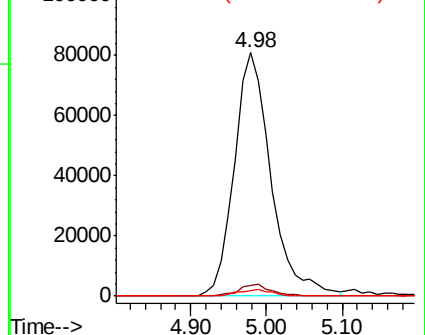
100 2.5 1.5 4.5

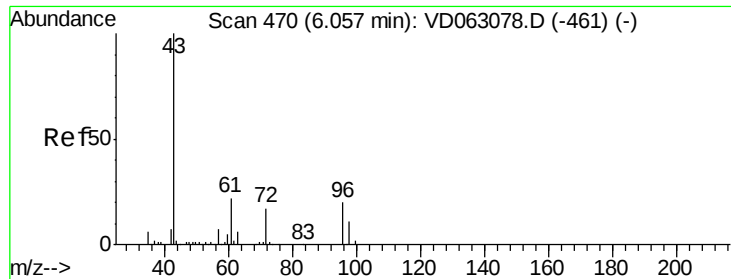


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.318 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

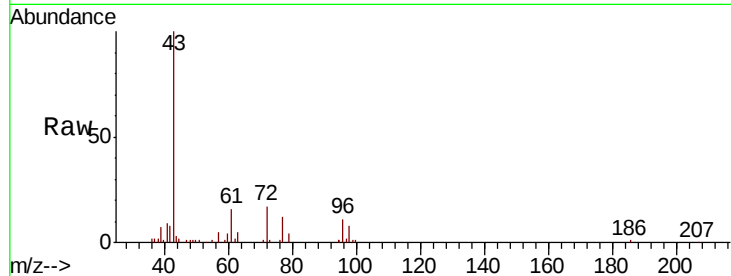
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 211502

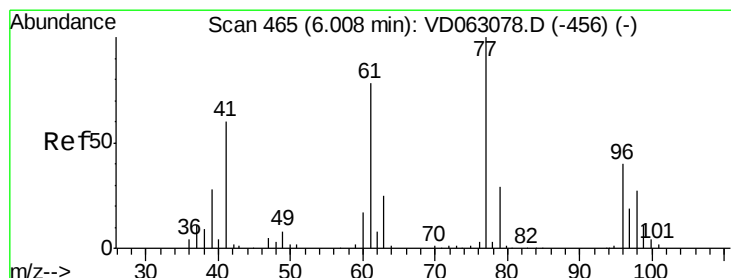
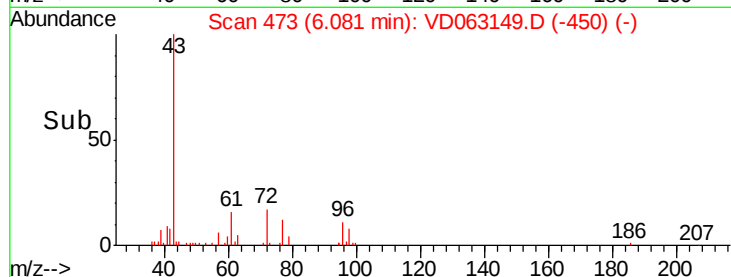
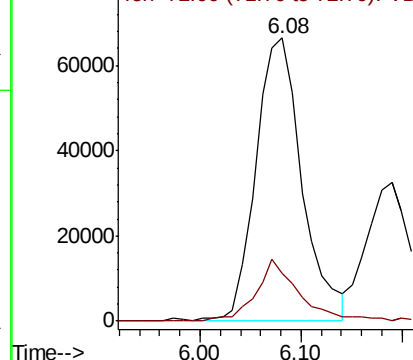
Ion Ratio Lower Upper

43 100

72 16.9 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.435 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063149.D

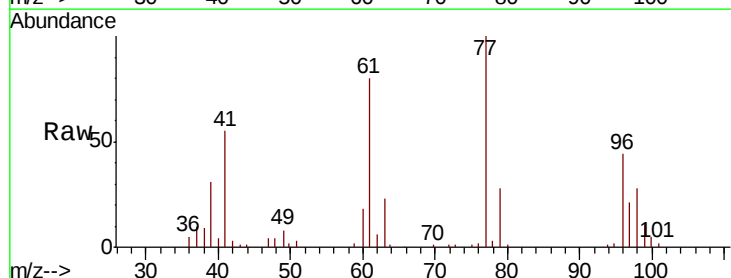
Acq: 19 Jul 2019 13:07

Tgt Ion: 77 Resp: 302973

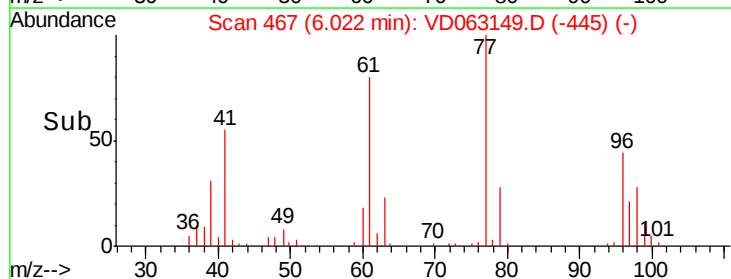
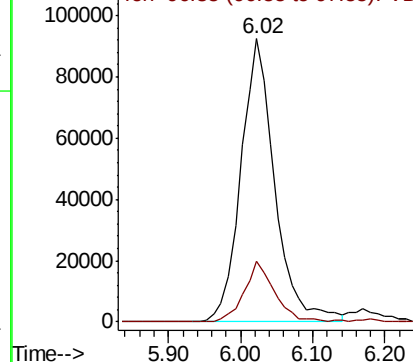
Ion Ratio Lower Upper

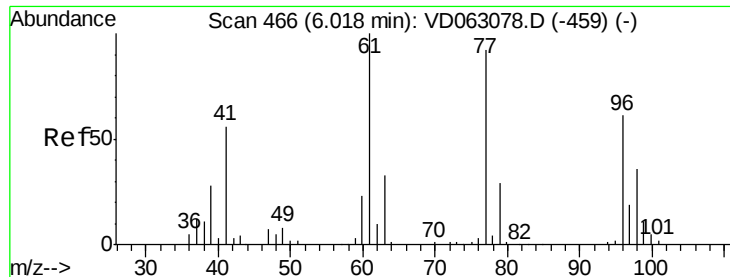
77 100

97 21.3 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



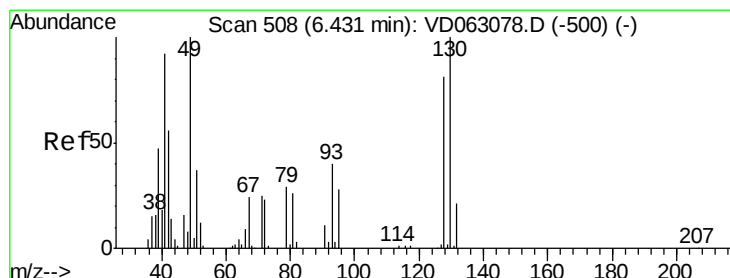
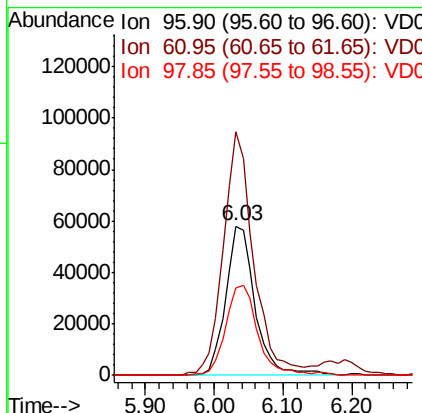
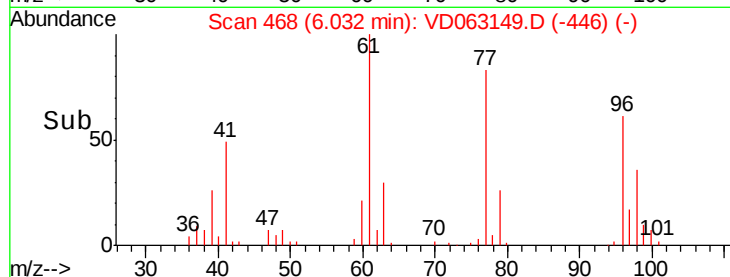
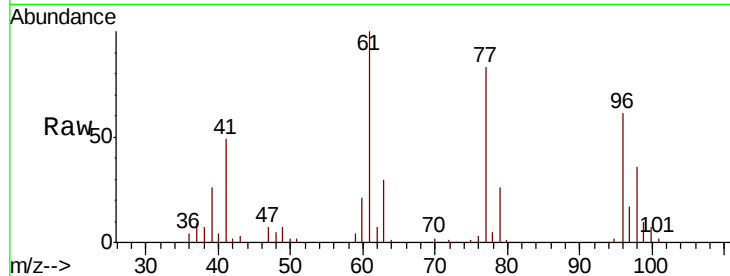


#27

cis-1,2-Dichloroethene
Concen: 20.292 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

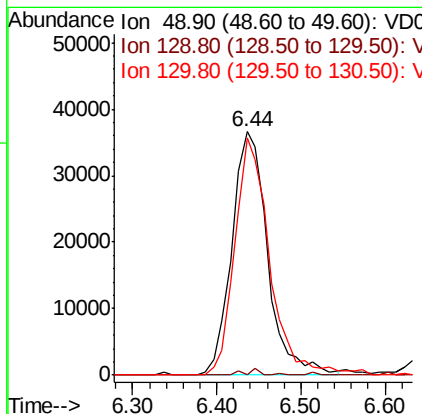
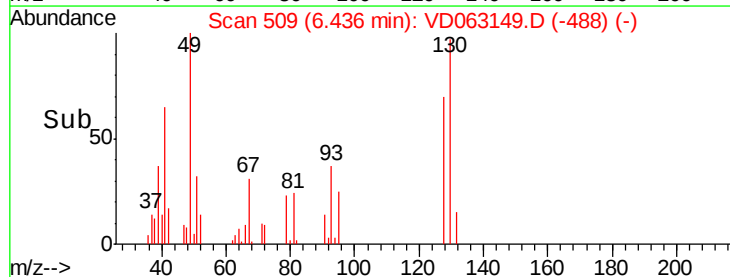
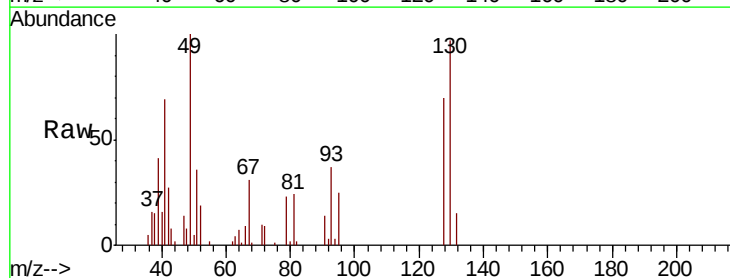
Tot Ion: 96 Resp: 171484
Ion Ratio Lower Upper
96 100
61 163.0 0.0 329.6
98 58.4 0.0 118.4

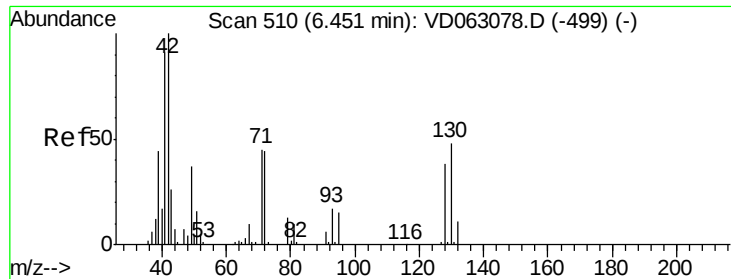


#28

Bromochloromethane
Concen: 21.183 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 49 Resp: 108250
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 97.5 80.3 120.5





#29

Tetrahydrofuran

Concen: 98.894 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampled :

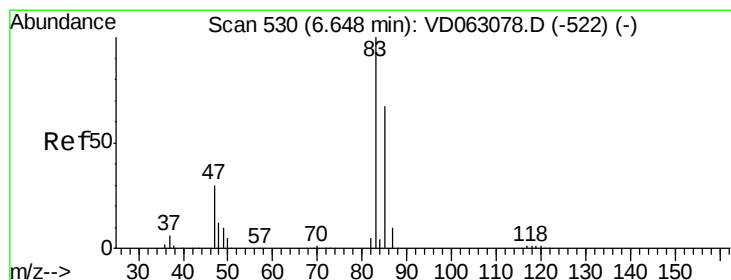
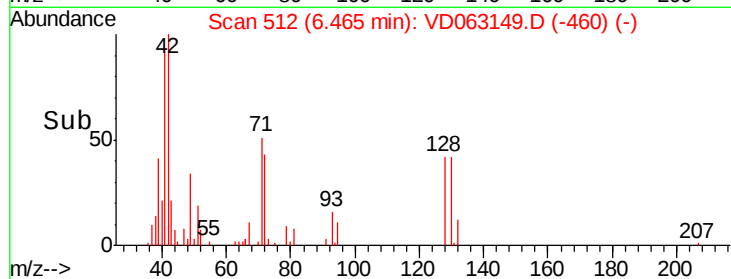
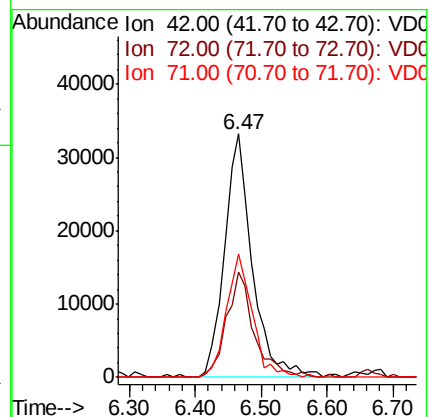
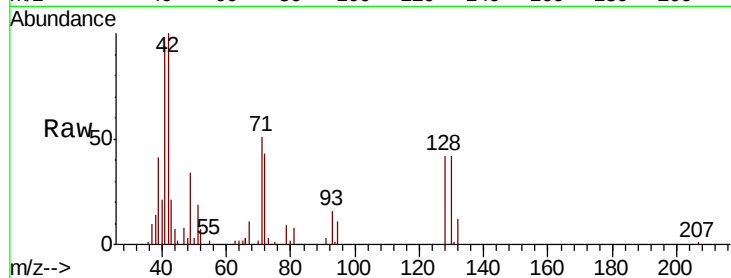
Tot Ion: 42 Resp: 97428

Ion Ratio Lower Upper

42 100

72 43.3 33.7 50.5

71 47.6 34.2 51.2



#30

Chloroform

Concen: 20.248 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063149.D

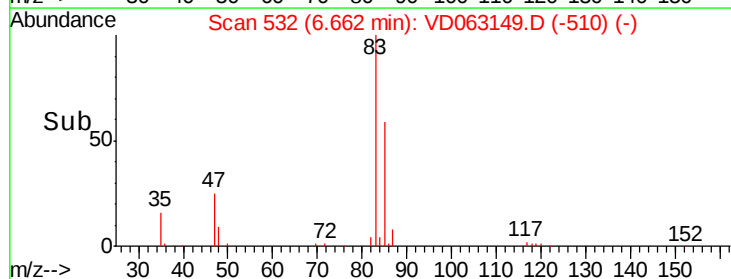
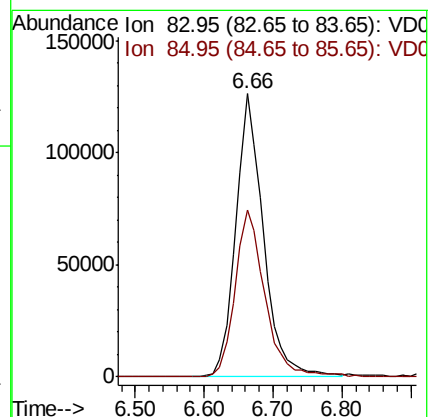
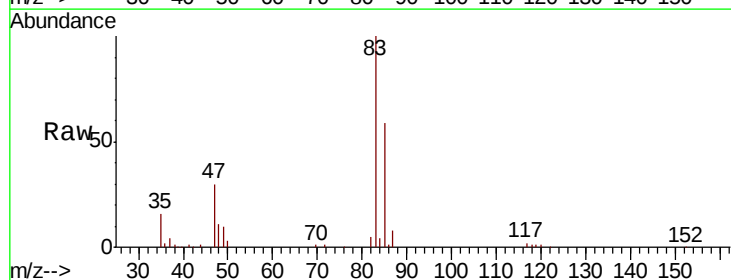
Acq: 19 Jul 2019 13:07

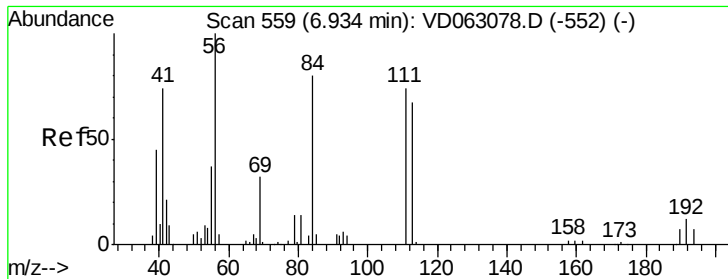
Tgt Ion: 83 Resp: 351243

Ion Ratio Lower Upper

83 100

85 58.9 53.8 80.8

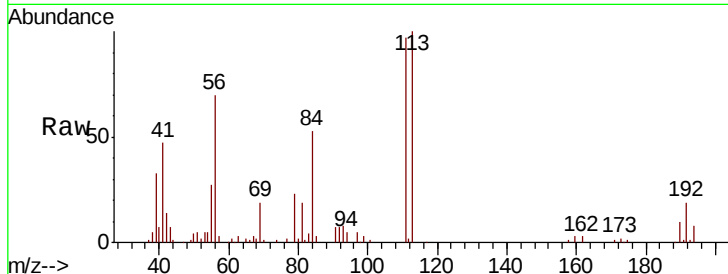




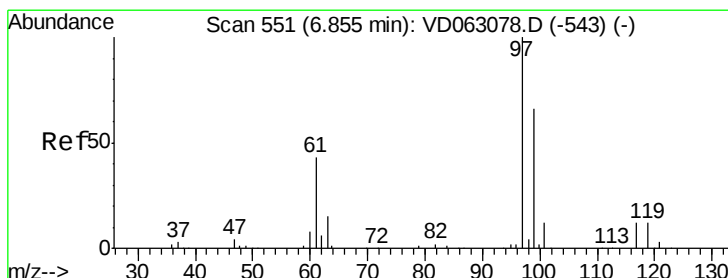
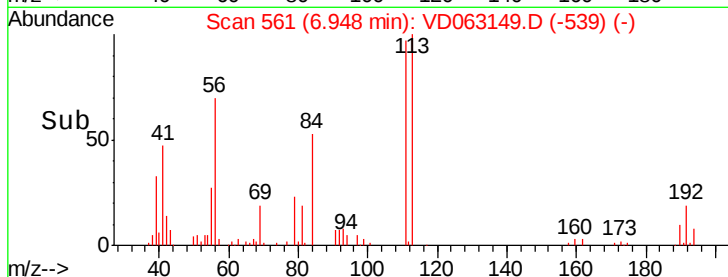
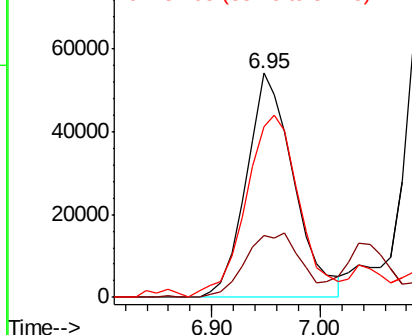
#31
Cyclohexane
Concen: 18.370 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 164782
Ion Ratio Lower Upper
56 100
69 27.6 25.3 37.9
84 76.2 64.2 96.4

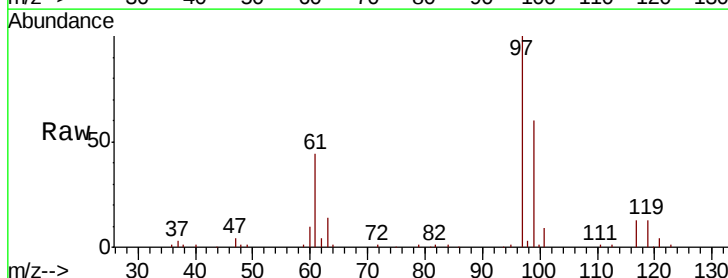


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

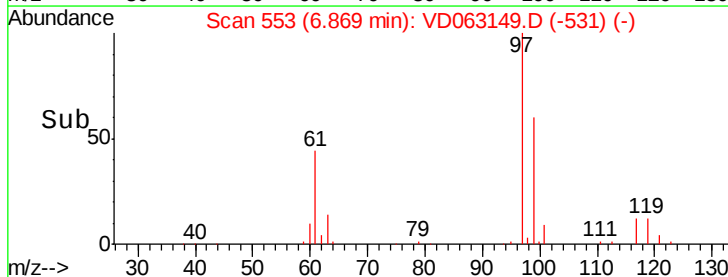
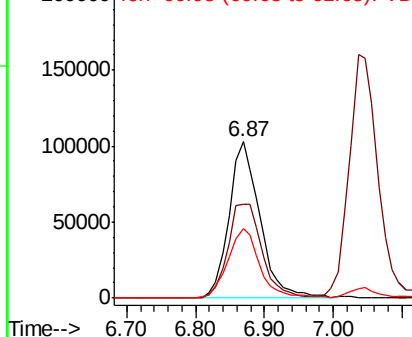


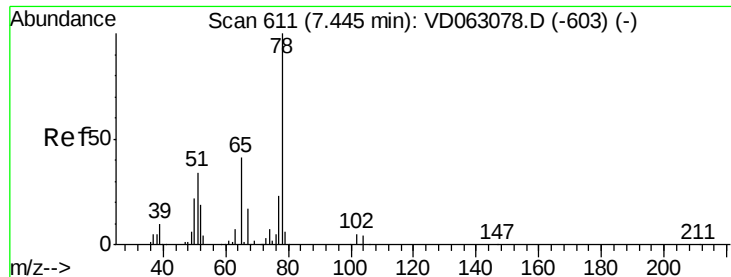
#32
1,1,1-Trichloroethane
Concen: 18.646 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 97 Resp: 318962
Ion Ratio Lower Upper
97 100
99 60.5 52.9 79.3
61 44.4 34.4 51.6



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: 45.829 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

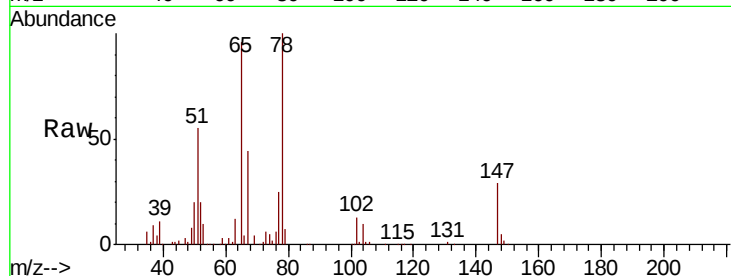
ClientSampleId :

Tot Ion: 65 Resp: 431840

Ion Ratio Lower Upper

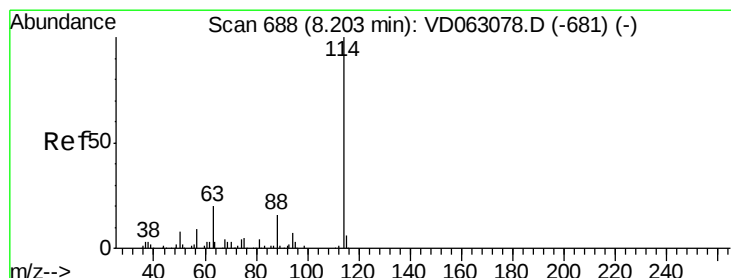
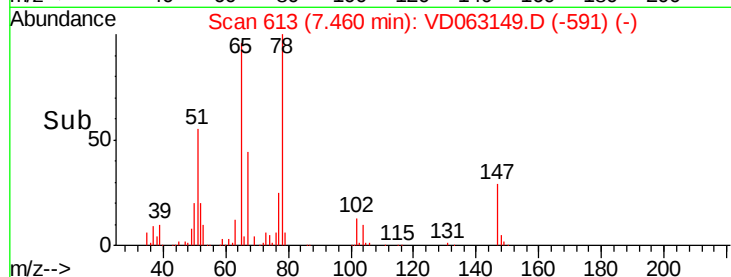
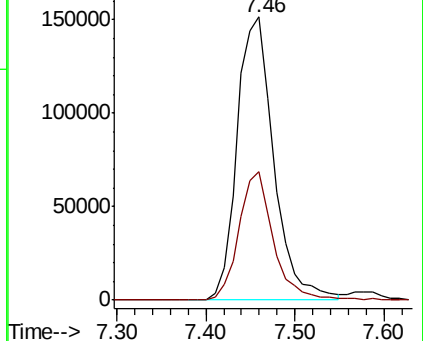
65 100

67 45.6 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

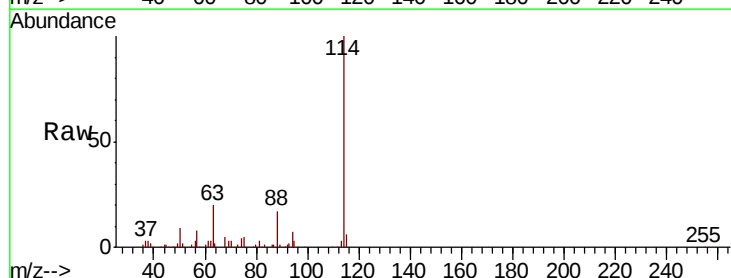
Tgt Ion: 114 Resp: 1015609

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

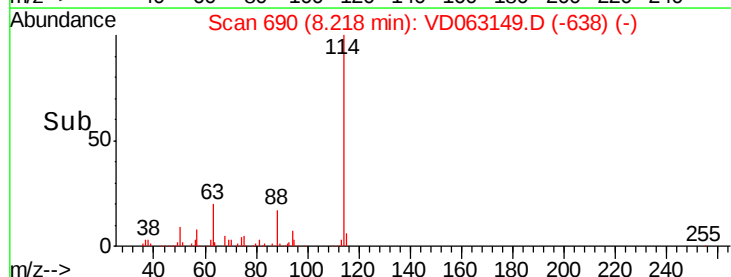
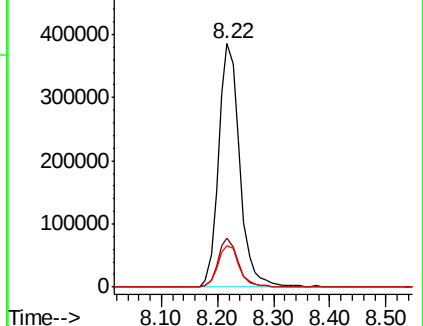
88 16.9 0.0 32.6

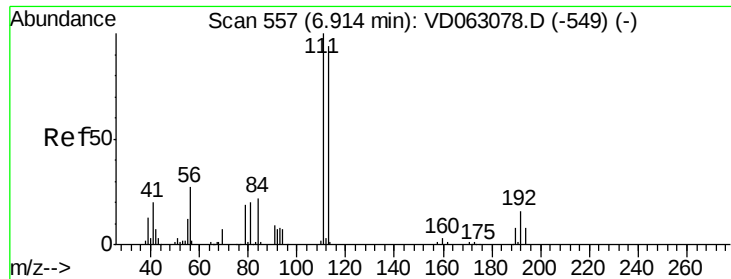


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

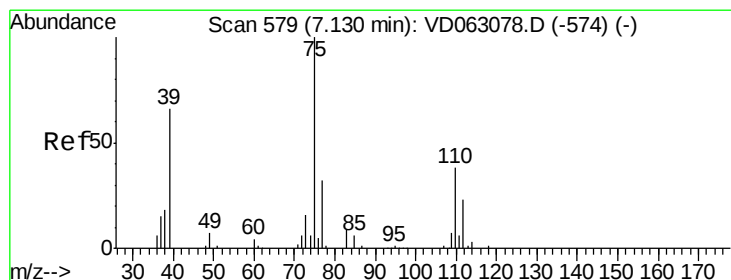
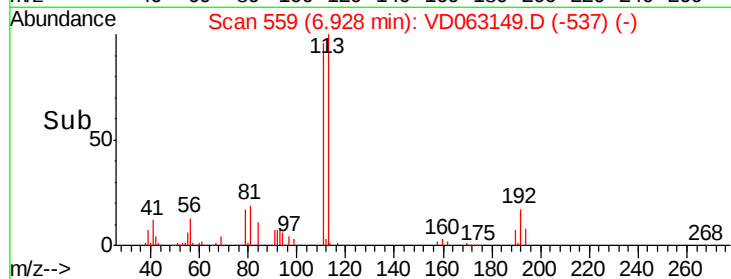
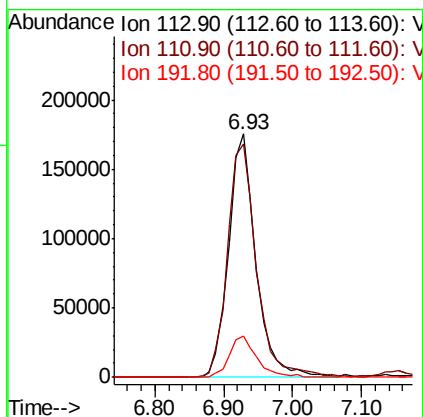
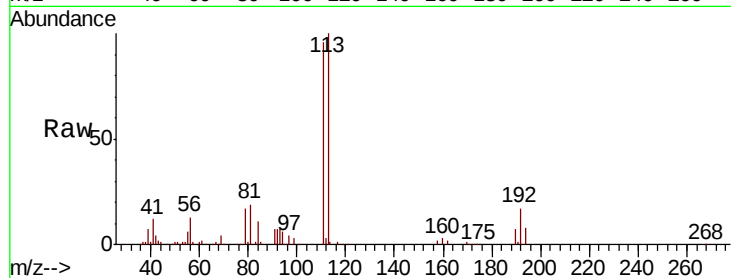




#35
 Dibromofluoromethane
 Concen: 47.653 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

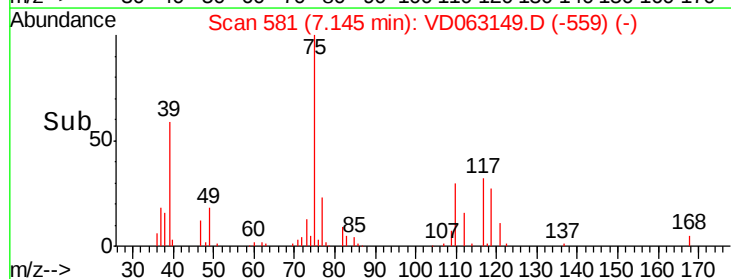
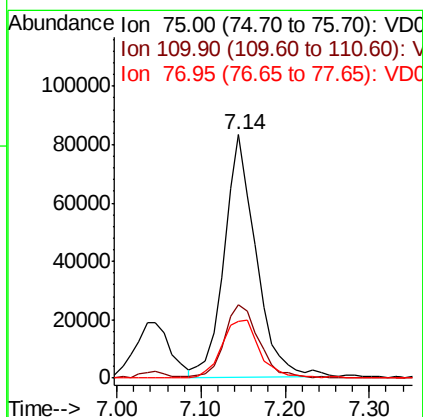
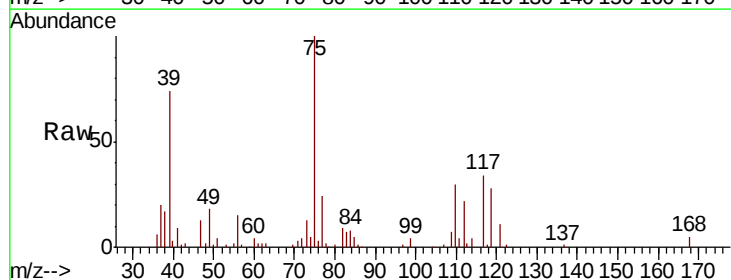
Instrument :
 MSVOA_D
 ClientSampleId :

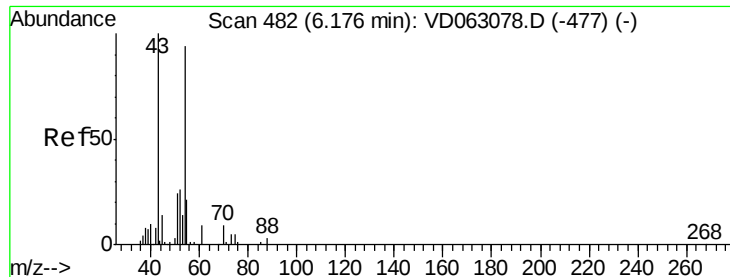
Tot Ion:113 Resp: 482043
 Ion Ratio Lower Upper
 113 100
 111 95.6 84.8 127.2
 192 17.0 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 18.954 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion: 75 Resp: 216505
 Ion Ratio Lower Upper
 75 100
 110 30.0 18.9 56.5
 77 23.6 25.2 37.8#

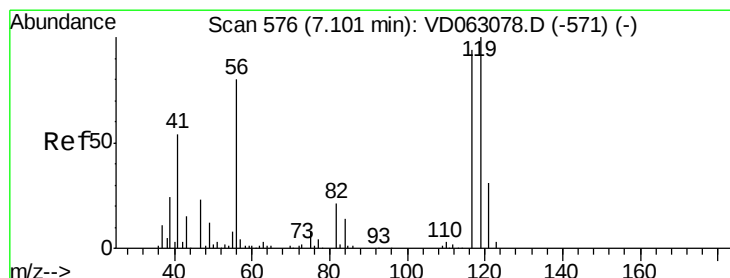
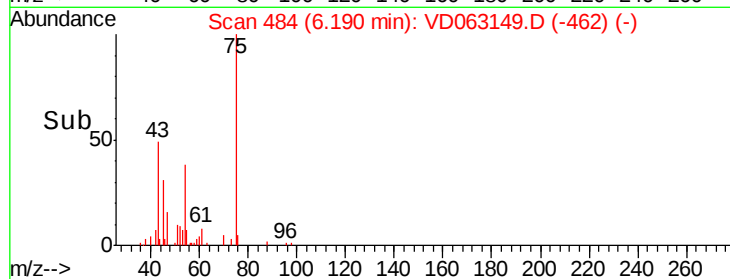
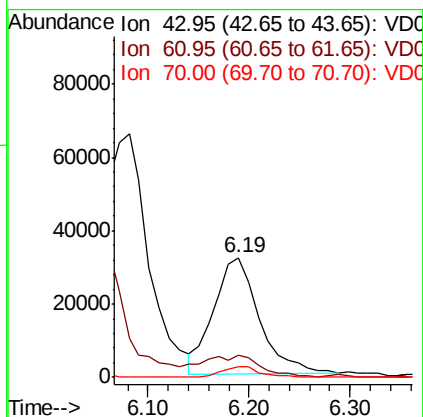
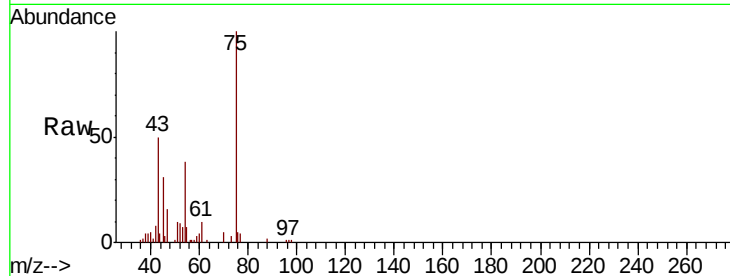




#37
Ethyl Acetate
Concen: 20.539 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

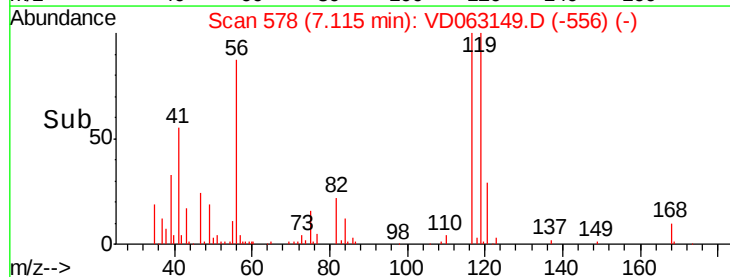
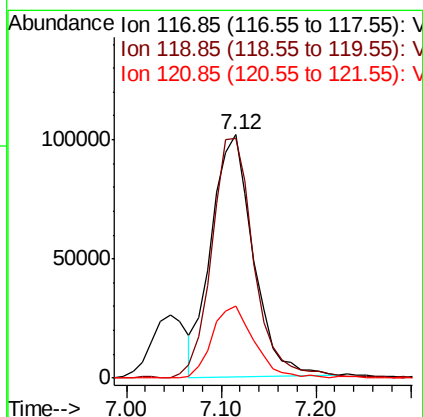
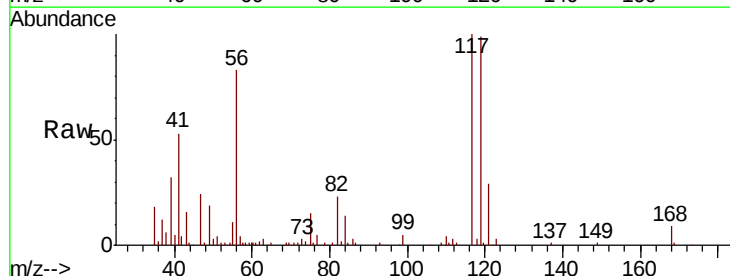
Instrument :
MSVOA_D
ClientSampled :

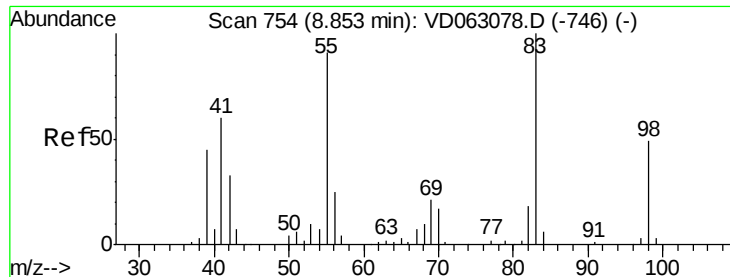
Tot Ion: 43 Resp: 100402
Ion Ratio Lower Upper
43 100
61 18.9 10.6 16.0#
70 9.2 6.6 9.8



#38
Carbon Tetrachloride
Concen: 17.987 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 117 Resp: 312197
Ion Ratio Lower Upper
117 100
119 98.7 80.0 120.0
121 29.4 25.0 37.4

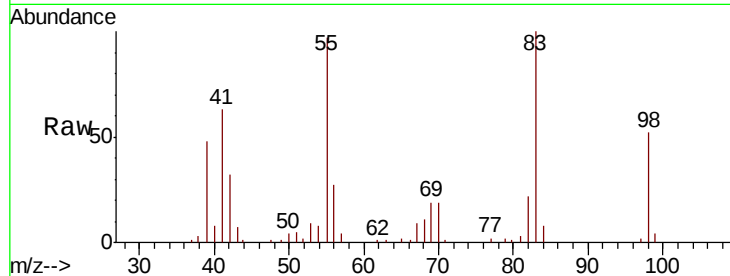




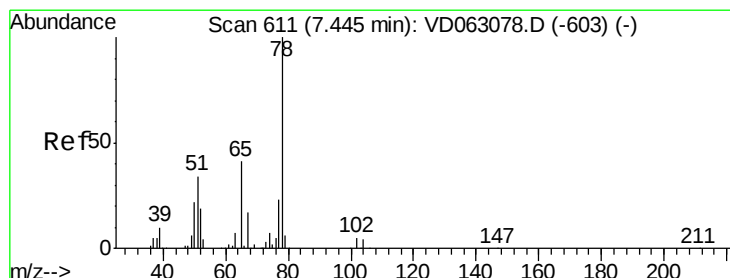
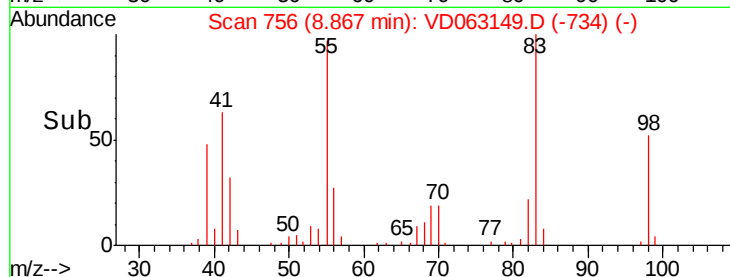
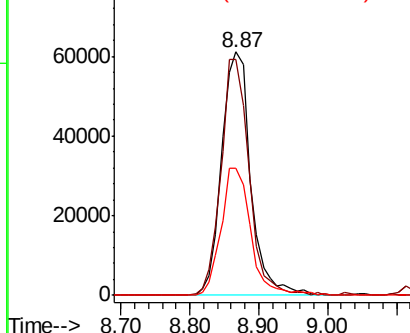
#39
Methvlcvclohexane
Concen: 18.074 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 178482
Ion Ratio Lower Upper
83 100
55 96.9 73.0 109.4
98 52.3 39.4 59.0

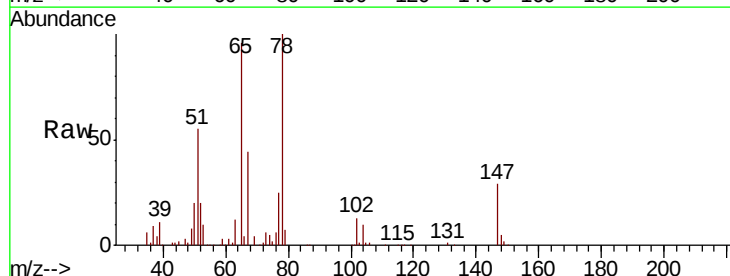


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

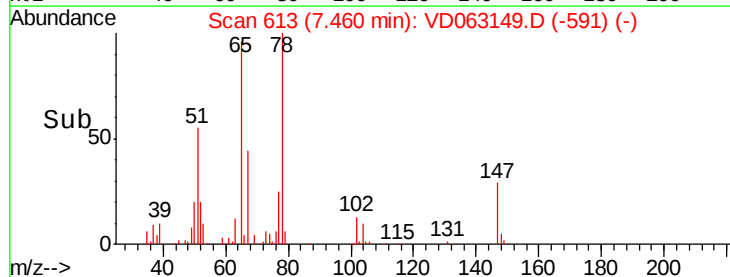
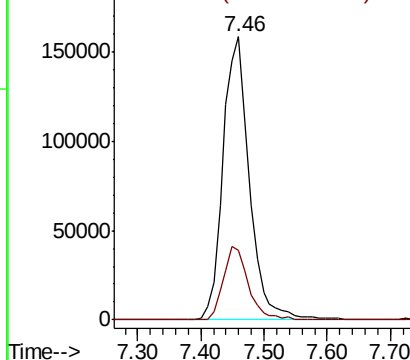


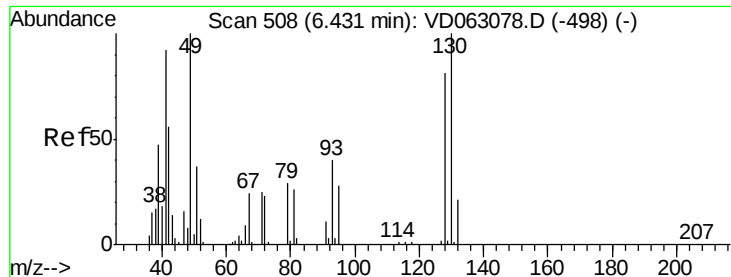
#40
Benzene
Concen: 19.263 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 78 Resp: 460840
Ion Ratio Lower Upper
78 100
77 24.6 18.1 27.1



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





#41

Methacrylonitrile

Concen: 20.072 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 133029

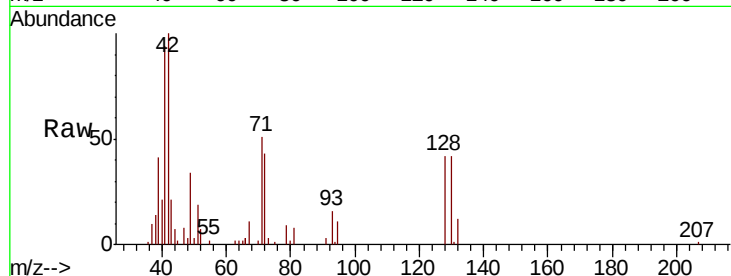
Ion Ratio Lower Upper

41 100

39 43.9 41.0 61.6

67 11.7 21.3 31.9#

52 7.6 10.5 15.7#

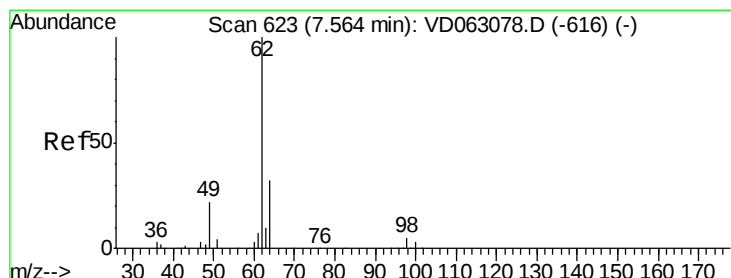
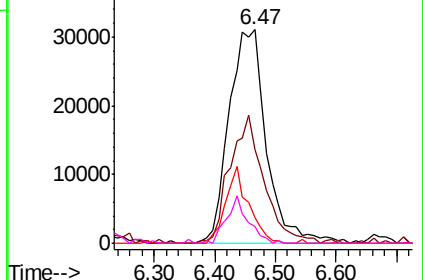
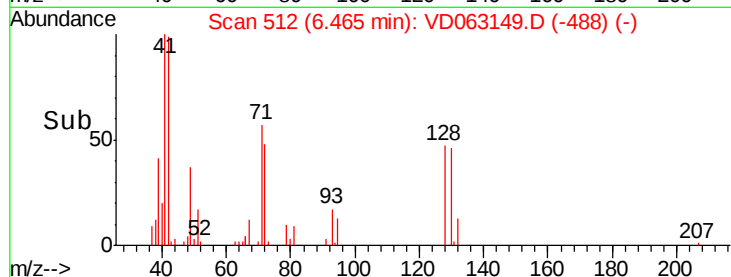


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.663 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD063149.D

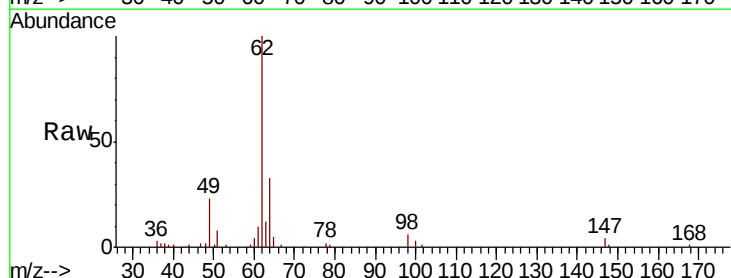
Acq: 19 Jul 2019 13:07

Tgt Ion: 62 Resp: 237870

Ion Ratio Lower Upper

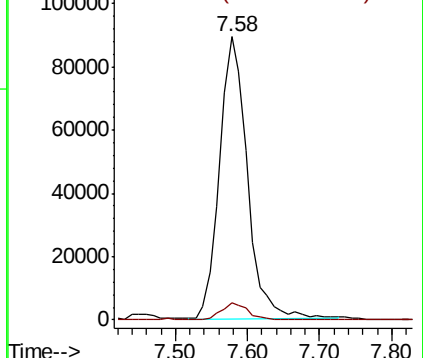
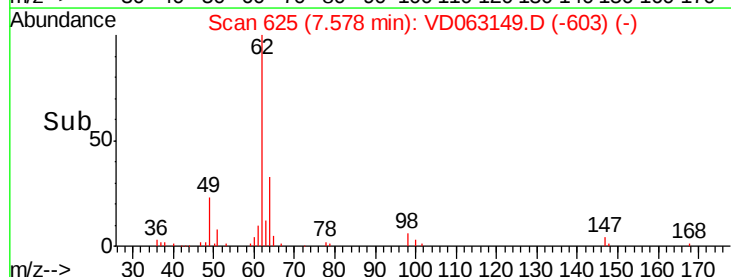
62 100

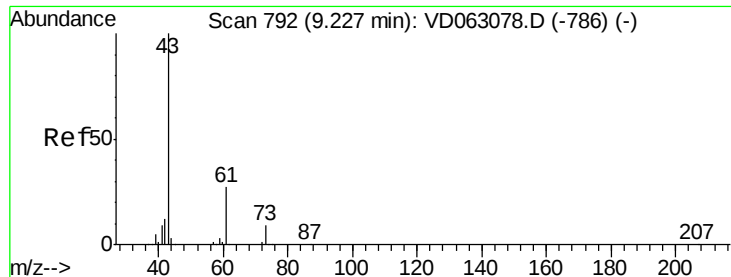
98 6.1 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



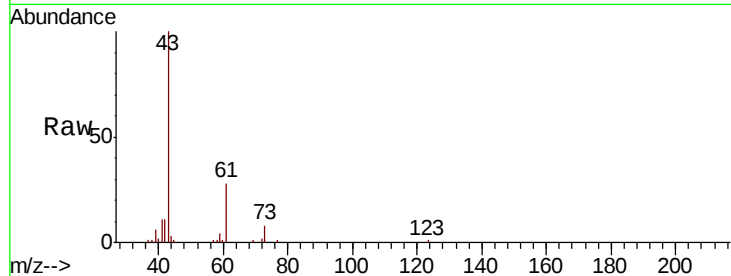


#43

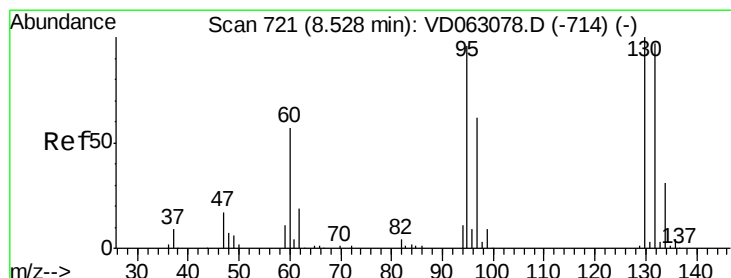
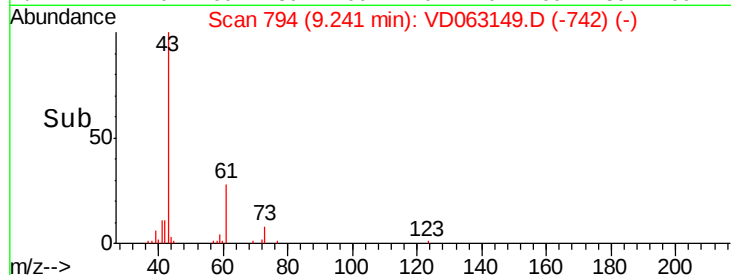
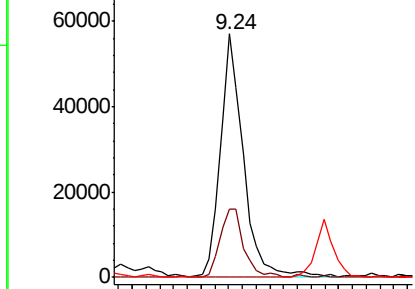
Isopropyl Acetate
 Concen: 18.907 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 132479
 Ion Ratio Lower Upper
 43 100
 61 28.1 21.7 32.5
 87 0.0 0.2 0.4#



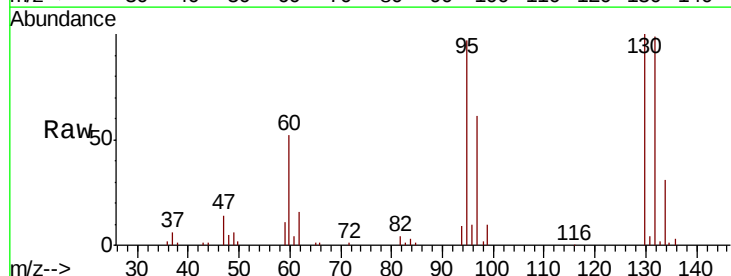
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



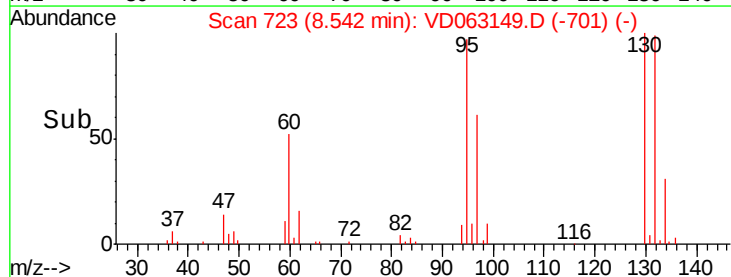
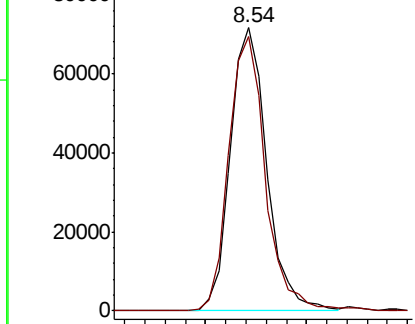
#44

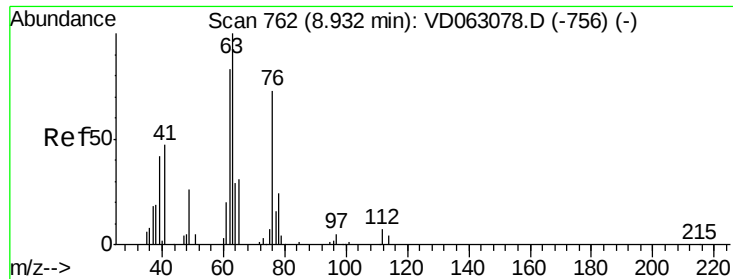
Trichloroethene
 Concen: 19.503 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion: 130 Resp: 180310
 Ion Ratio Lower Upper
 130 100
 95 97.0 0.0 191.4



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





#45

1,2-Dichloropropane

Concen: 20.390 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

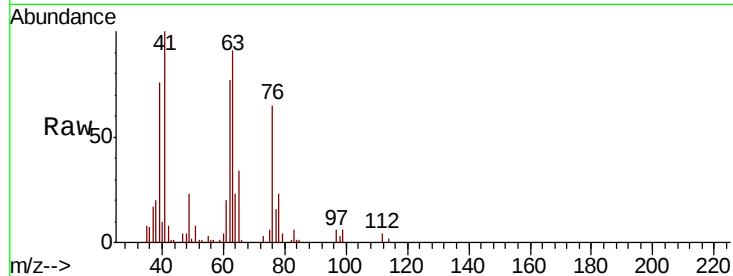
ClientSampleId :

Tot Ion: 63 Resp: 121619

Ion Ratio Lower Upper

63 100

65 37.5 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

40000

30000

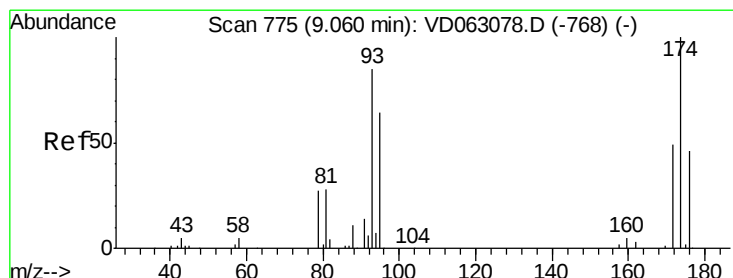
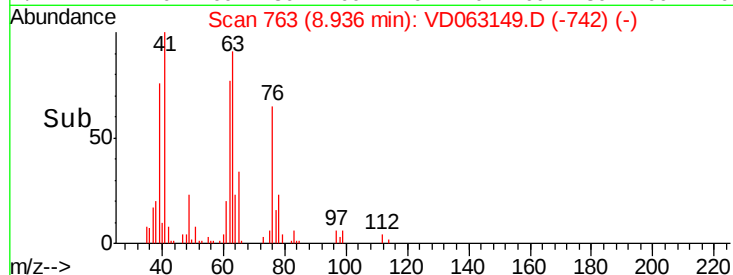
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.079 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

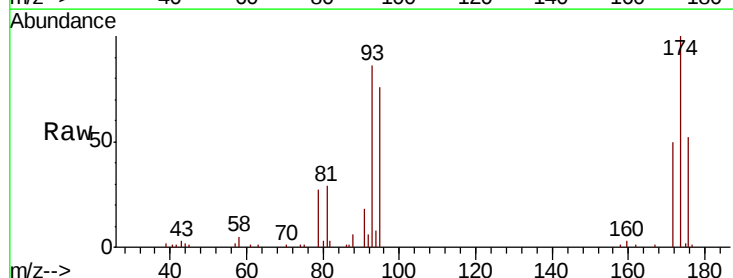
Tgt Ion: 93 Resp: 102917

Ion Ratio Lower Upper

93 100

95 88.2 59.7 89.5

174 116.6 93.9 140.9



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): VDC

60000

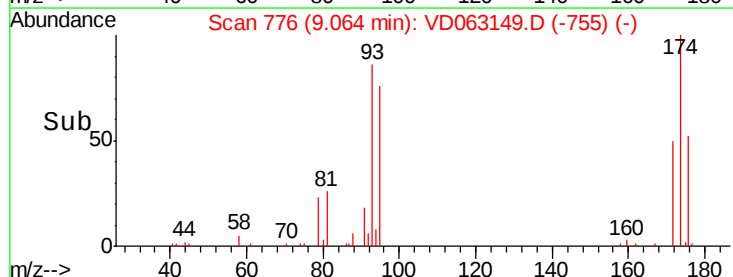
40000

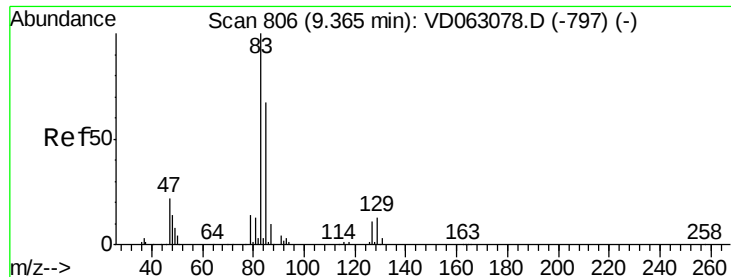
20000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 19.087 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

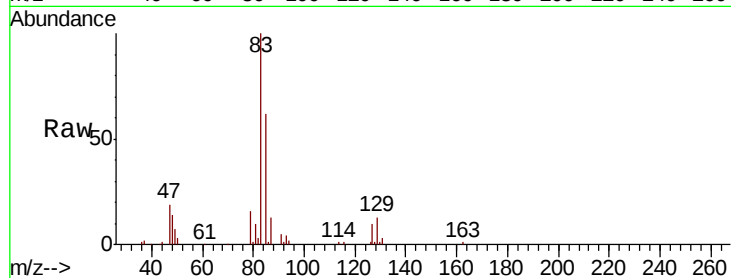
Tot Ion: 83 Resp: 255287

Ion Ratio Lower Upper

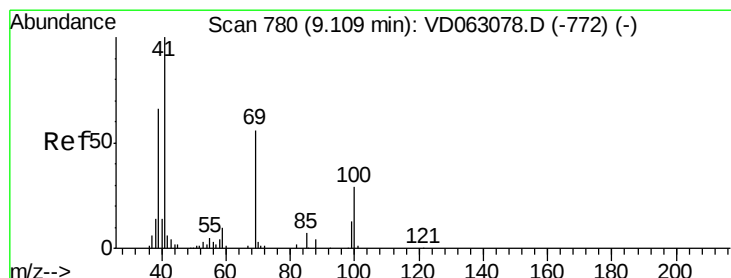
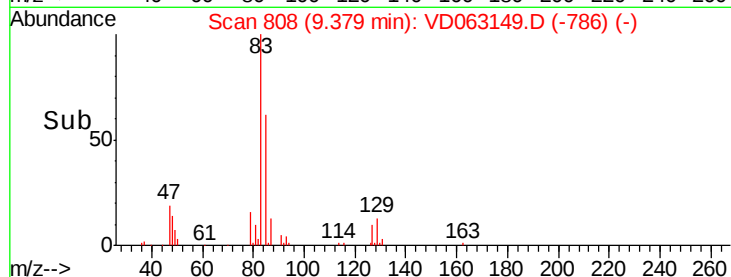
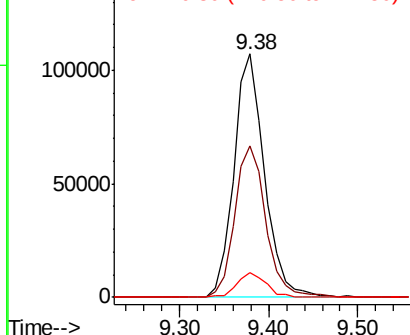
83 100

85 62.4 53.7 80.5

127 10.4 9.0 13.6



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: 19.961 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

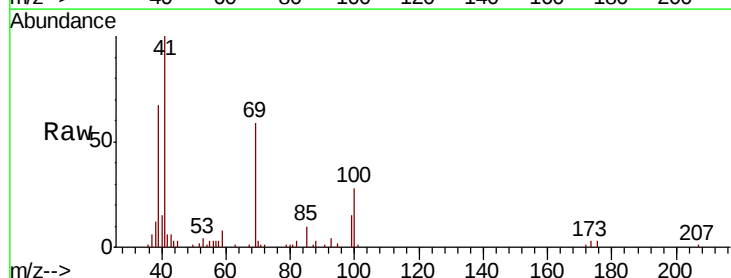
Tgt Ion: 41 Resp: 91848

Ion Ratio Lower Upper

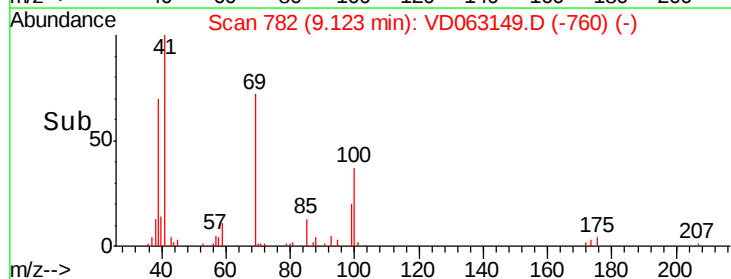
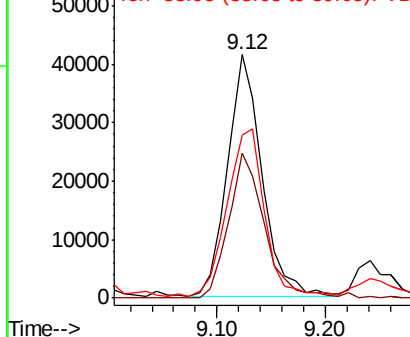
41 100

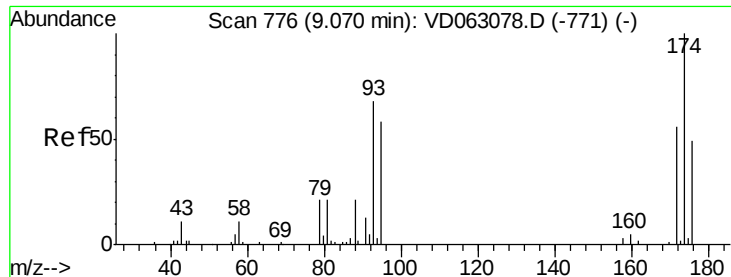
69 59.5 44.3 66.5

39 66.9 52.6 78.8



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

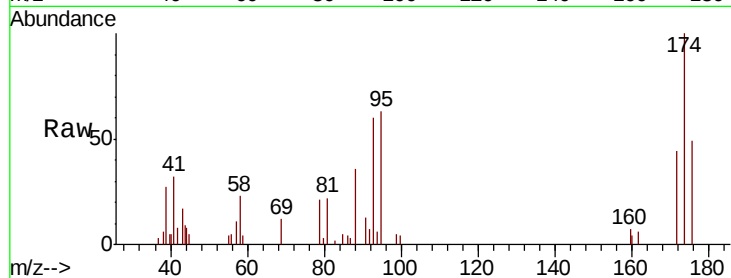




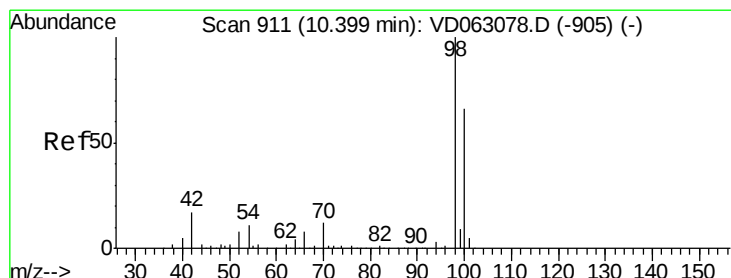
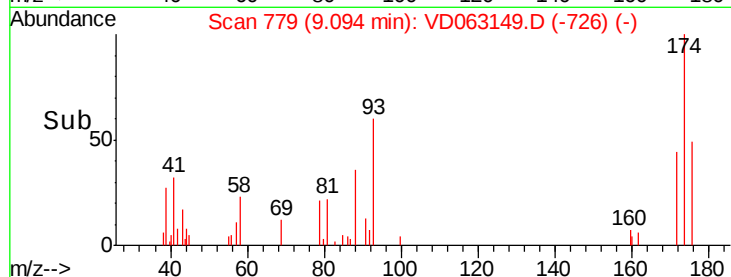
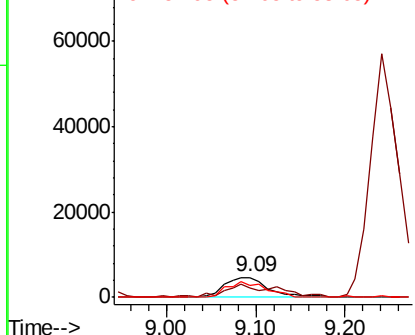
#49
1,4-Dioxane
Concen: 398.931 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15831
Ion Ratio Lower Upper
88 100
43 72.2 40.2 60.4#
58 63.8 41.6 62.4#

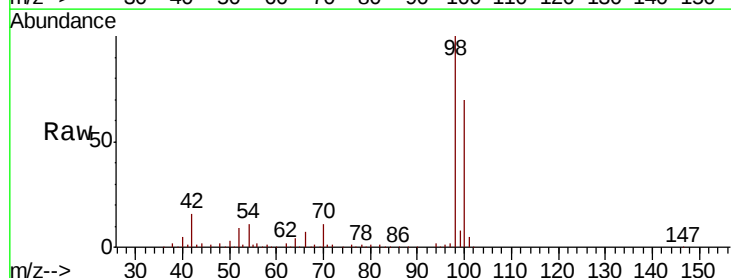


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

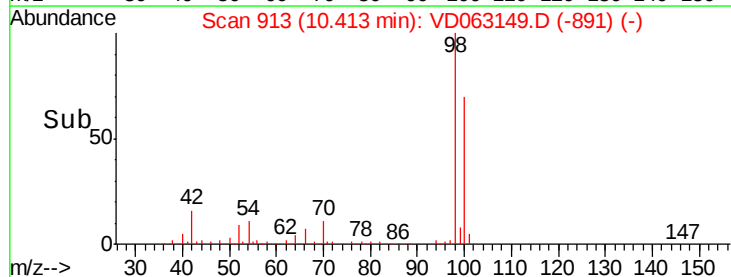
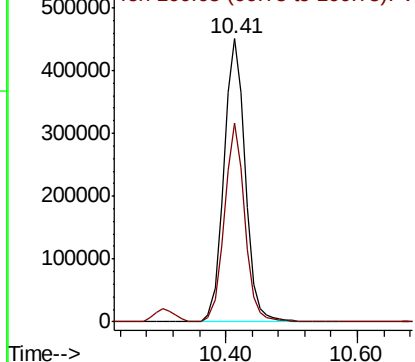


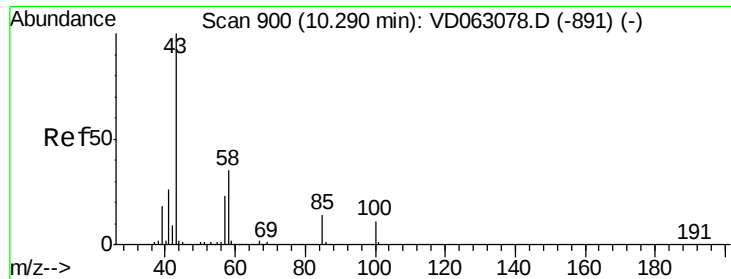
#50
Toluene-d8
Concen: 47.124 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 98 Resp: 1023940
Ion Ratio Lower Upper
98 100
100 70.4 53.5 80.3



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

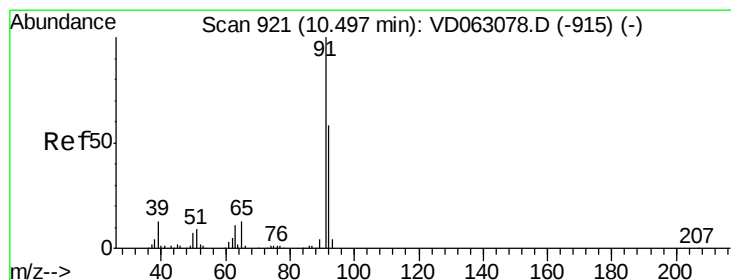
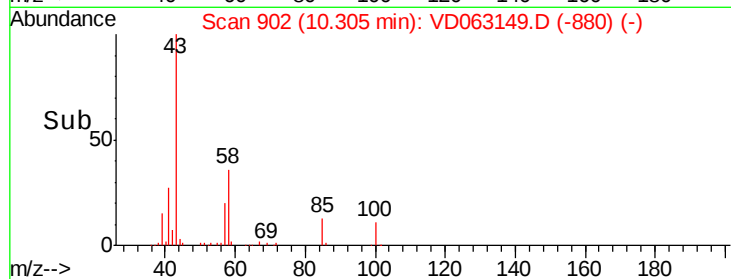
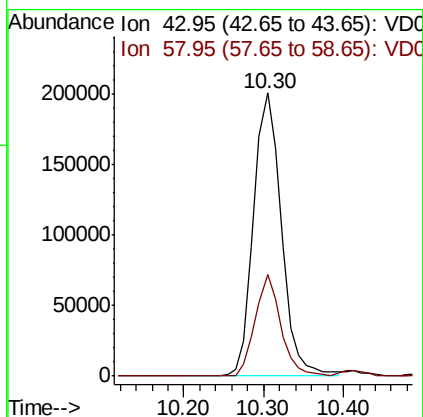
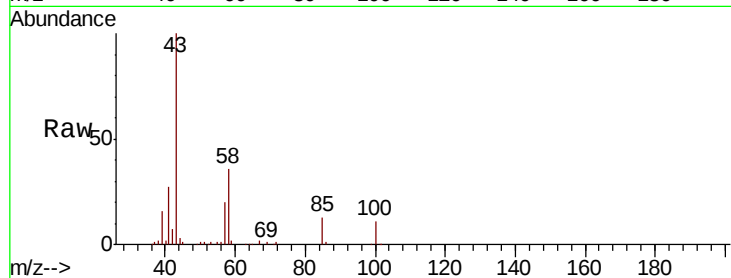




#51
 4-Methyl-2-Pentanone
 Concen: 104.097 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

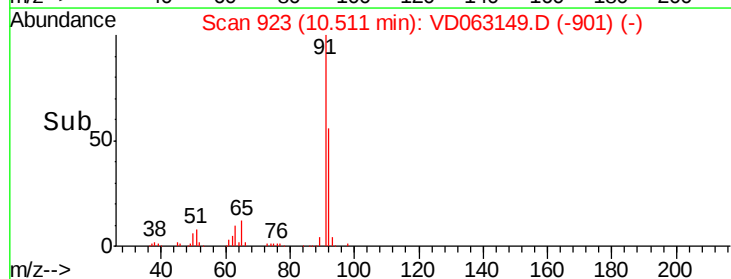
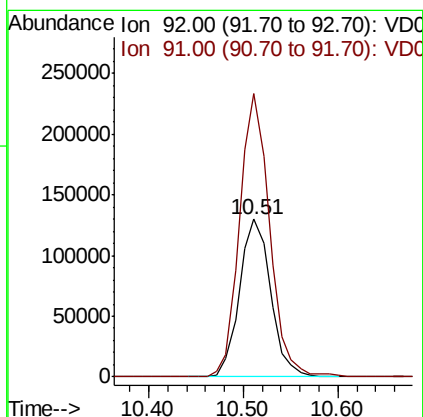
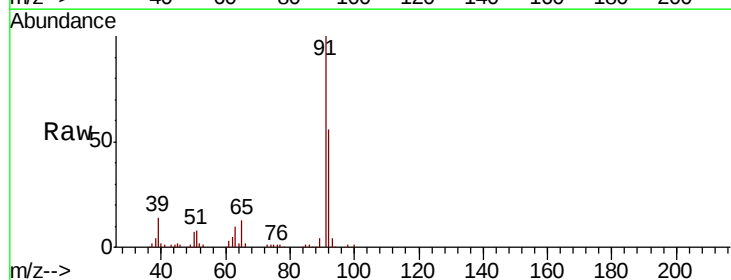
Instrument :
 MSVOA_D
 ClientSampleID :

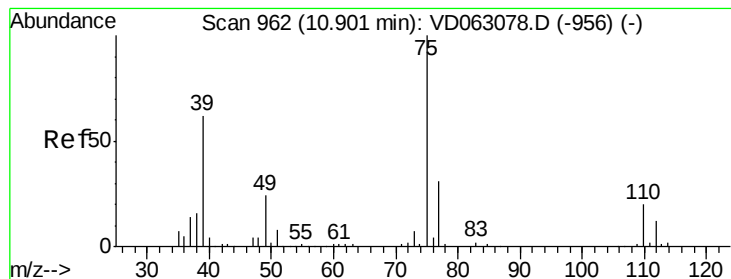
Tot Ion: 43 Resp: 483776
 Ion Ratio Lower Upper
 43 100
 58 35.9 27.8 41.6



#52
 Toluene
 Concen: 18.647 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion: 92 Resp: 297882
 Ion Ratio Lower Upper
 92 100
 91 179.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.146 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

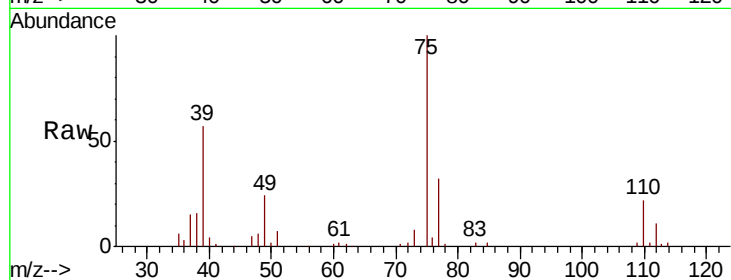
ClientSampleId :

Tot Ion: 75 Resp: 219396

Ion Ratio Lower Upper

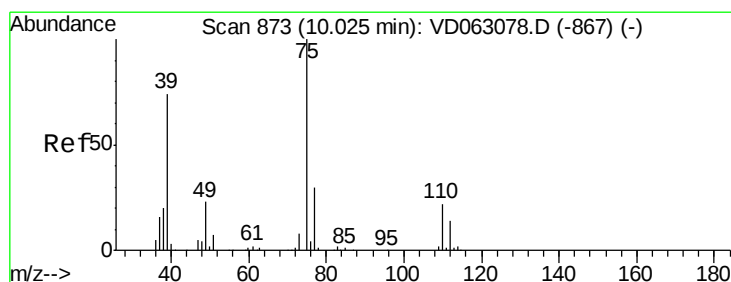
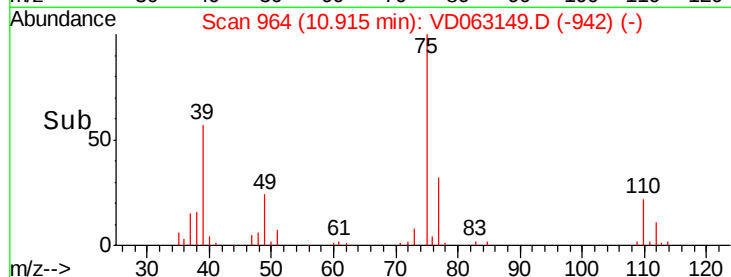
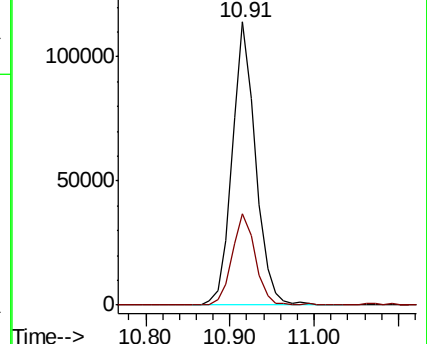
75 100

77 32.5 24.9 37.3



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: 19.205 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

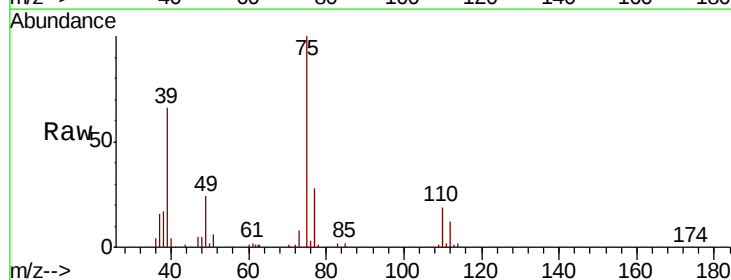
Tgt Ion: 75 Resp: 227549

Ion Ratio Lower Upper

75 100

77 28.5 23.9 35.9

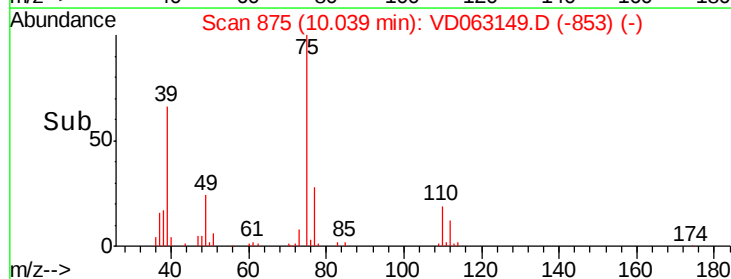
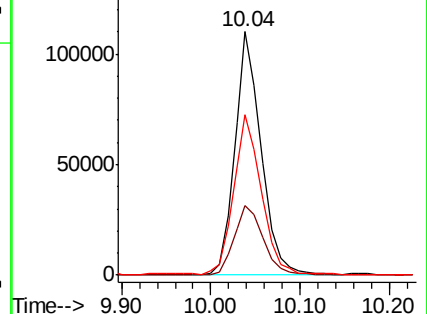
39 66.0 59.4 89.0

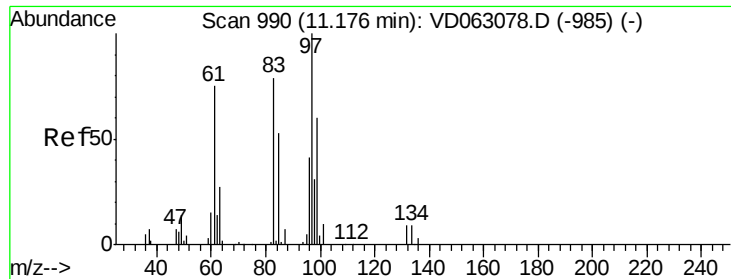


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.362 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 112415

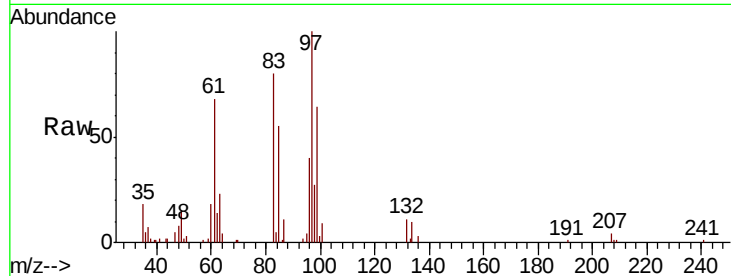
Ion Ratio Lower Upper

97 100

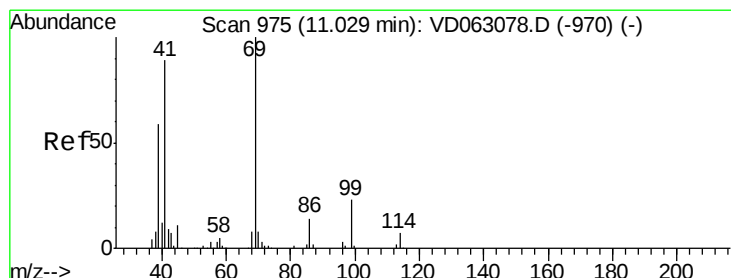
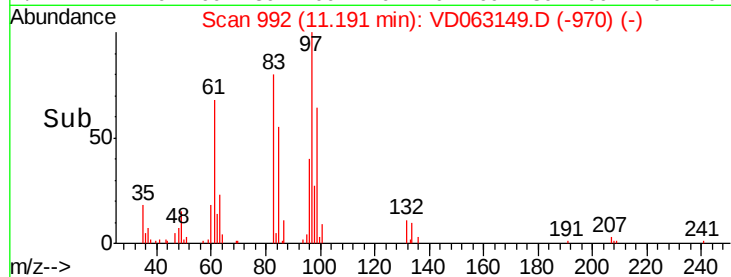
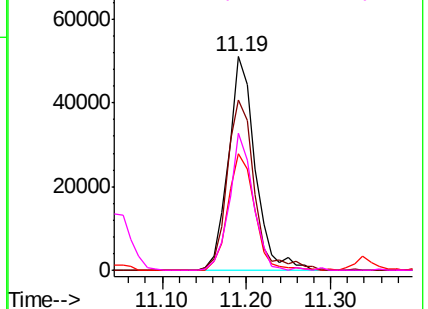
83 80.0 63.2 94.8

85 54.5 42.0 63.0

99 64.2 48.3 72.5



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



#56

Ethyl methacrylate

Concen: 18.765 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

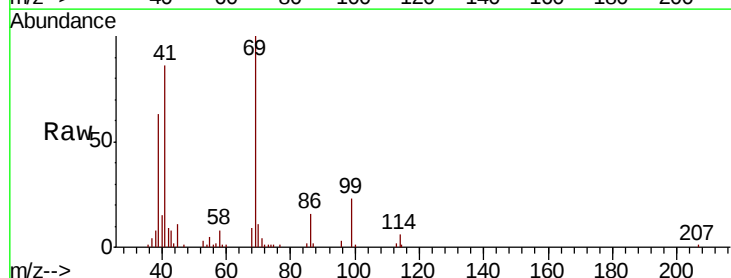
Tgt Ion: 69 Resp: 115748

Ion Ratio Lower Upper

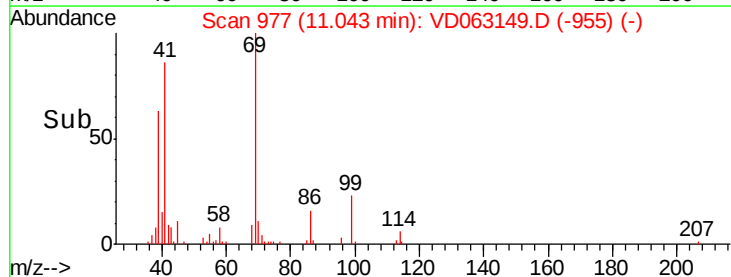
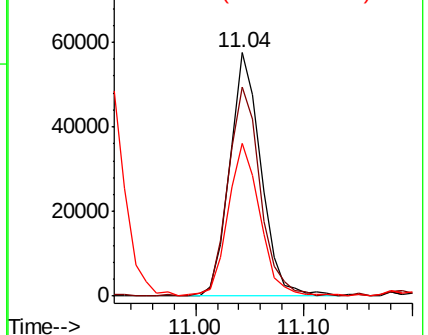
69 100

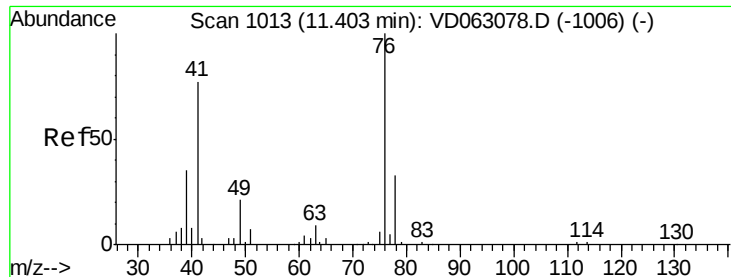
41 86.1 71.0 106.4

39 62.9 47.7 71.5



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

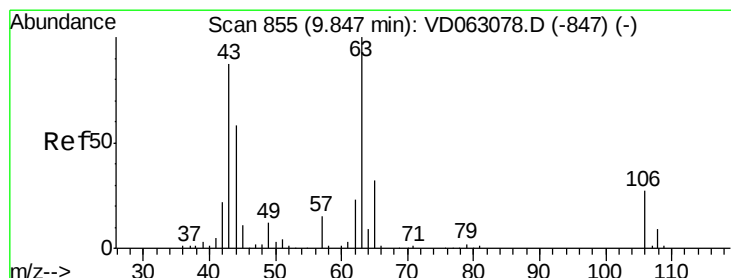
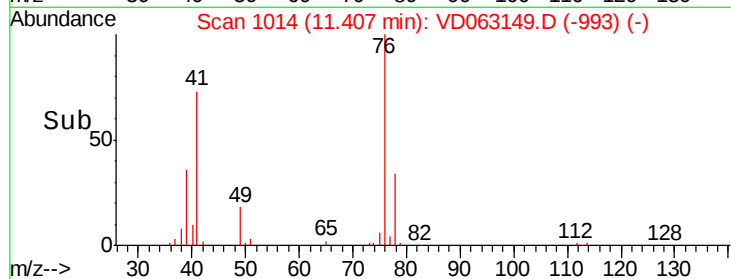
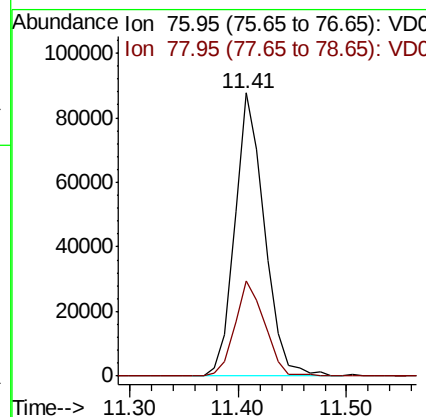
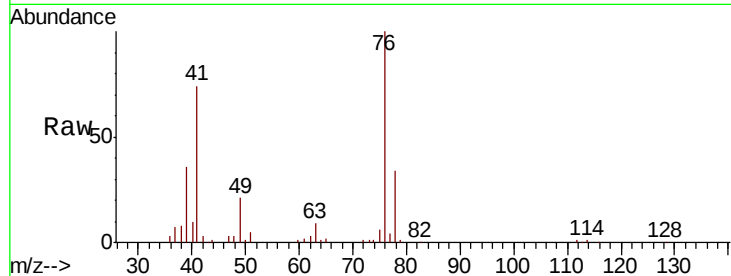




#57
 1,3-Dichloropropane
 Concen: 19.799 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

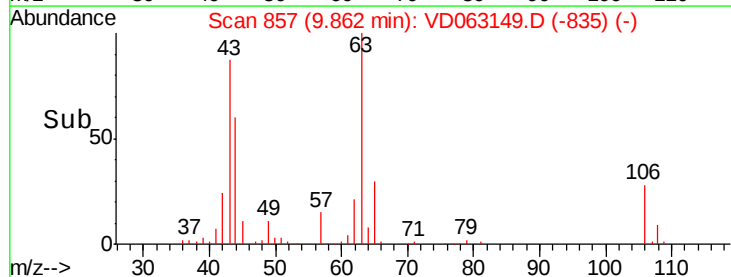
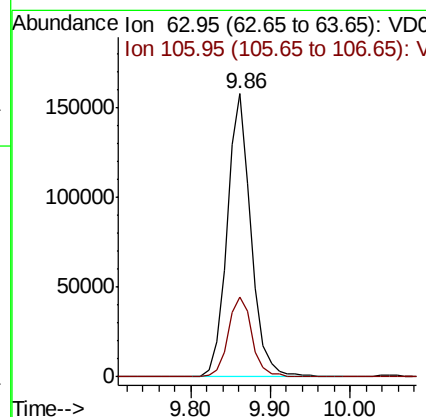
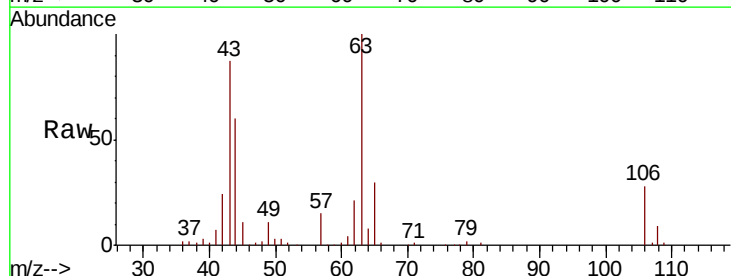
Instrument :
 MSVOA_D
 ClientSampleId :

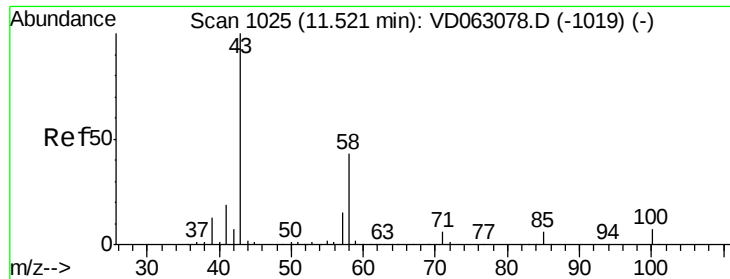
Tot Ion: 76 Resp: 166323
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.846 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion: 63 Resp: 332622
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.3 31.9

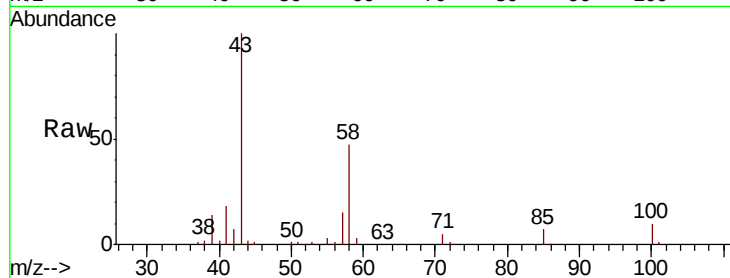




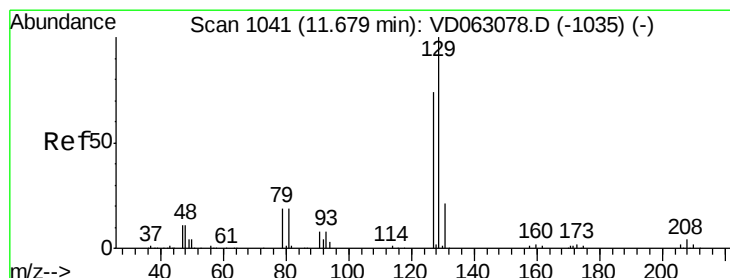
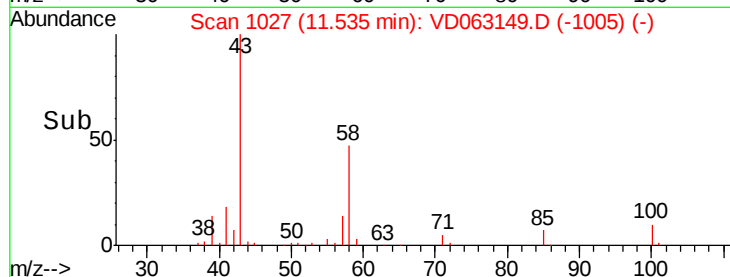
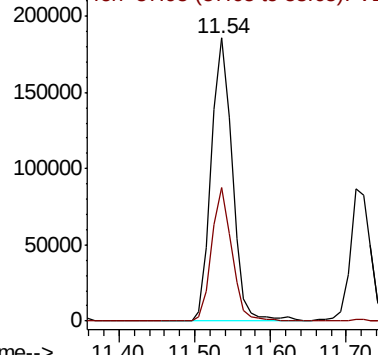
#59
2-Hexanone
Concen: 99.271 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 355797
Ion Ratio Lower Upper
43 100
58 47.0 21.7 65.1

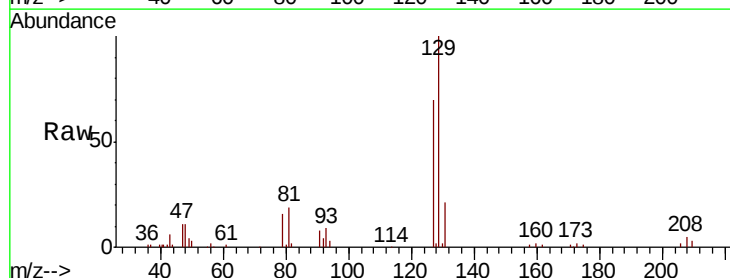


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

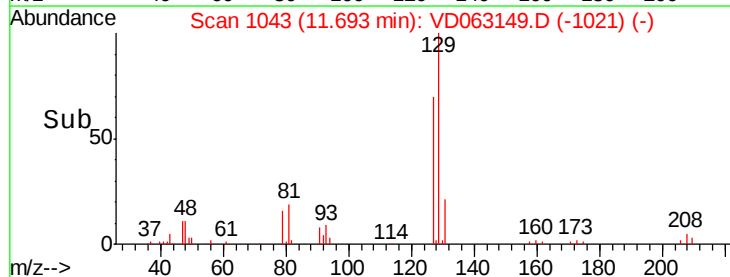
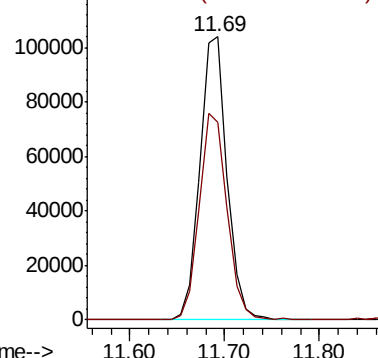


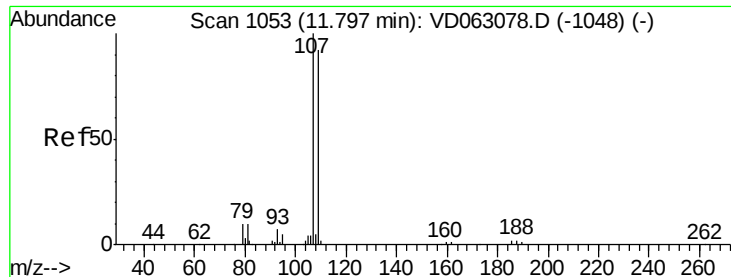
#60
Dibromochloromethane
Concen: 19.443 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 129 Resp: 205757
Ion Ratio Lower Upper
129 100
127 69.7 37.0 110.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.356 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

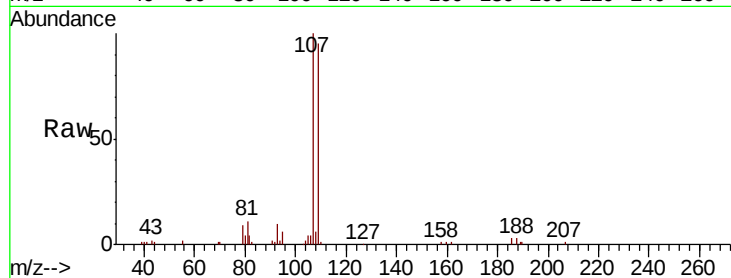
ClientSampleId :

Tot Ion:107 Resp: 134520

Ion Ratio Lower Upper

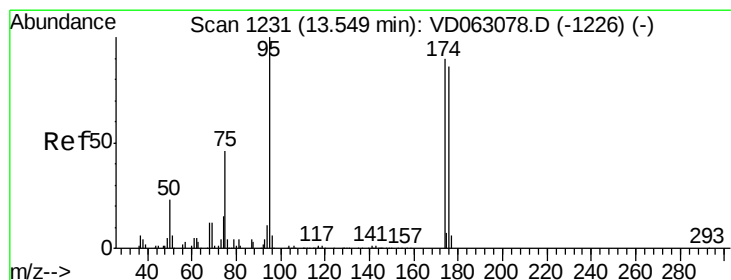
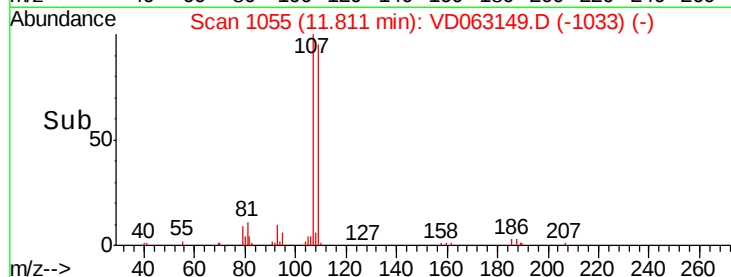
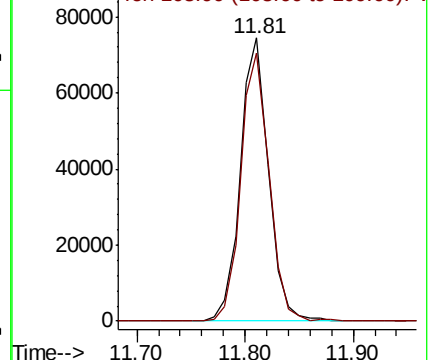
107 100

109 94.8 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.138 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

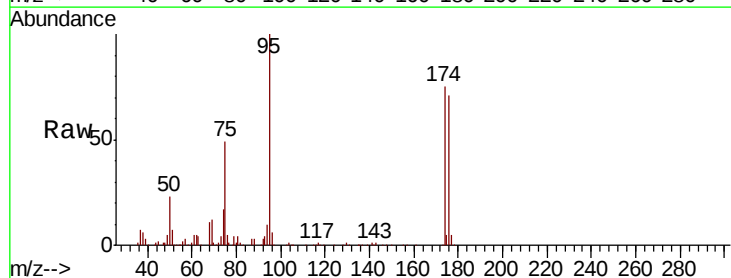
Tgt Ion: 95 Resp: 453742

Ion Ratio Lower Upper

95 100

174 75.5 0.0 180.6

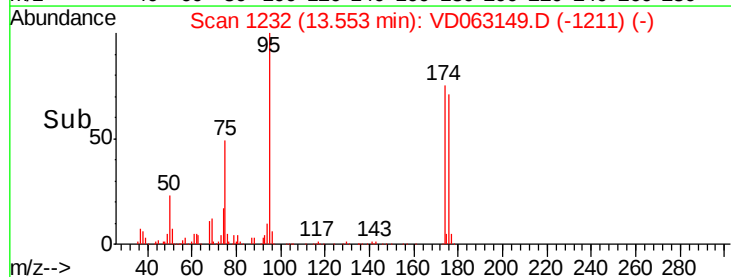
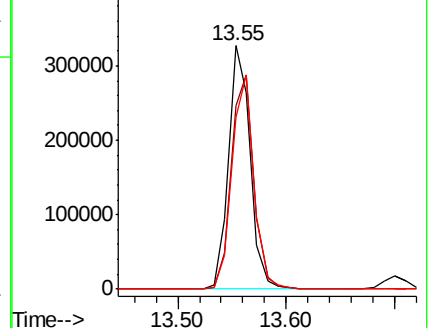
176 70.8 0.0 172.2

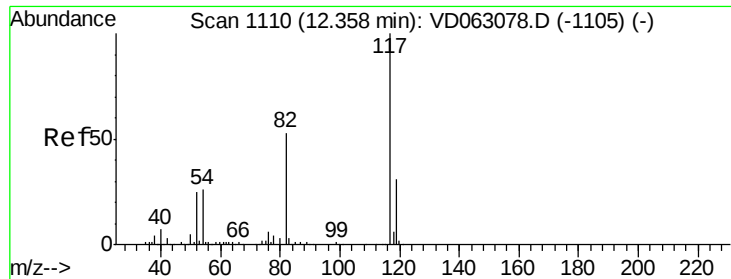


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

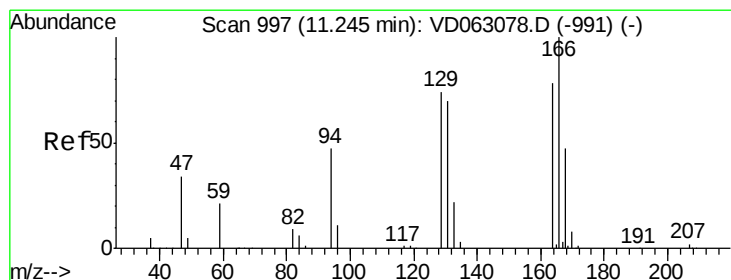
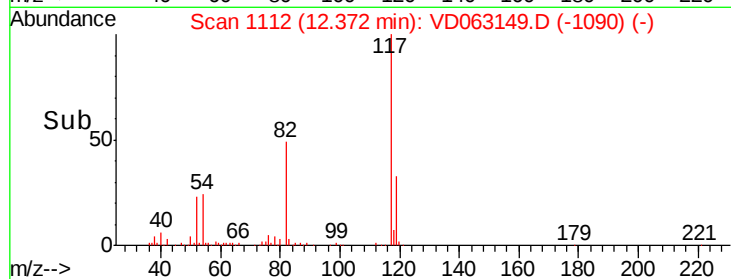
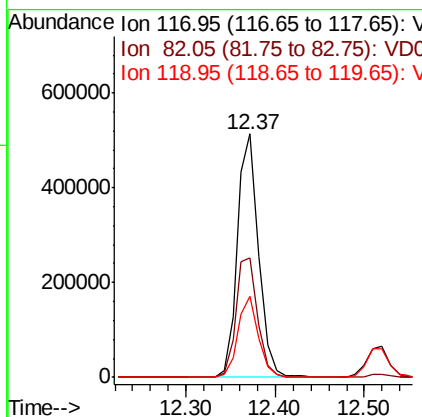
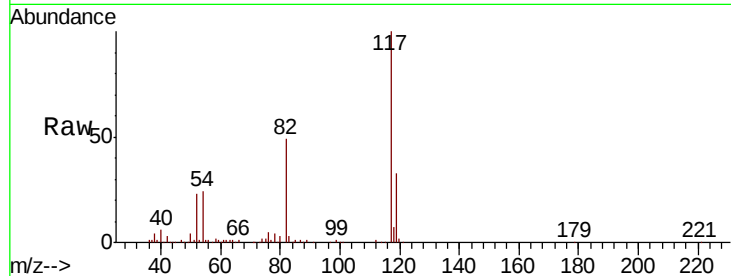




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

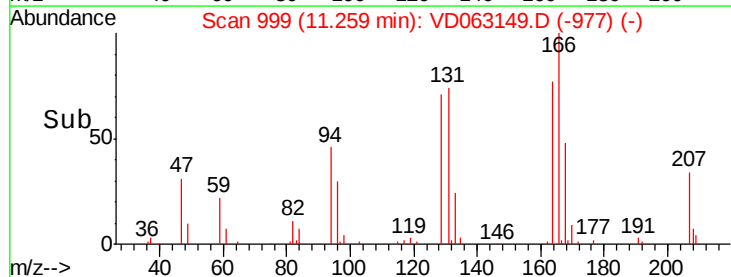
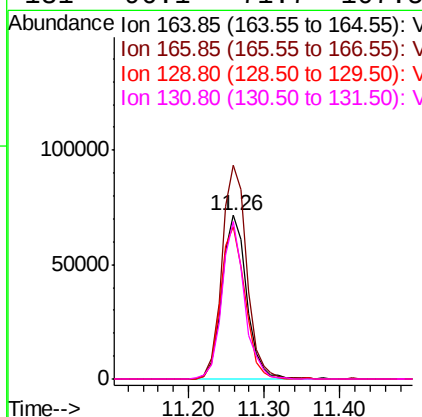
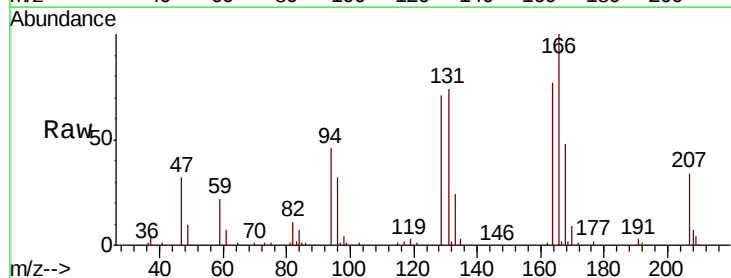
Instrument :
MSVOA_D
ClientSampleId :

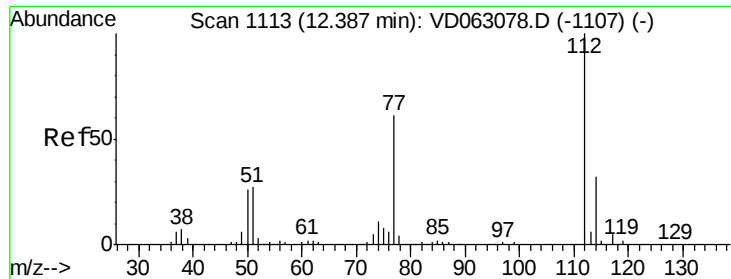
Tot Ion:117 Resp: 852066
Ion Ratio Lower Upper
117 100
82 49.2 42.3 63.5
119 33.1 25.2 37.8



#64
Tetrachloroethene
Concen: 19.524 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion:164 Resp: 161419
Ion Ratio Lower Upper
164 100
166 130.7 102.8 154.2
129 92.9 76.4 114.6
131 96.1 71.7 107.5





#65

Chlorobenzene

Concen: 19.628 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

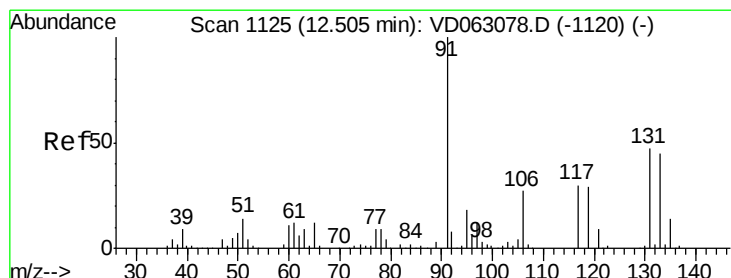
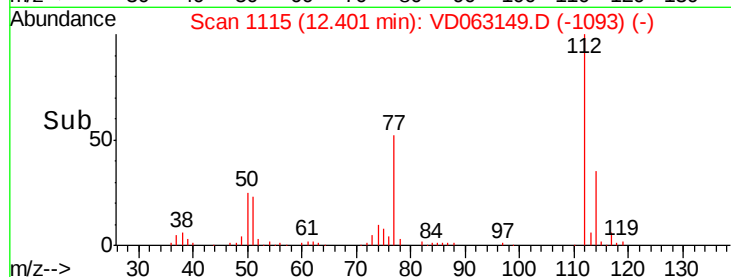
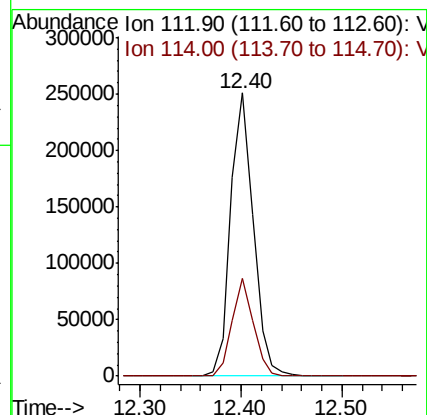
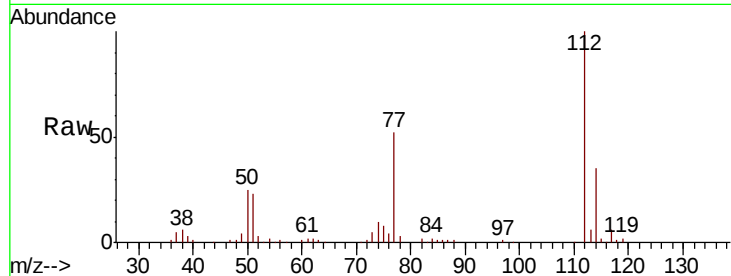
ClientSampled :

Tot Ion:112 Resp: 393148

Ion Ratio Lower Upper

112 100

114 34.8 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 17.888 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

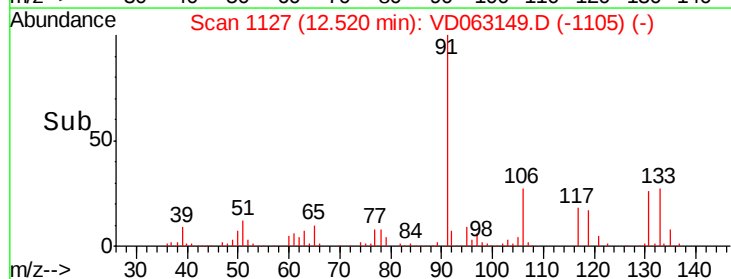
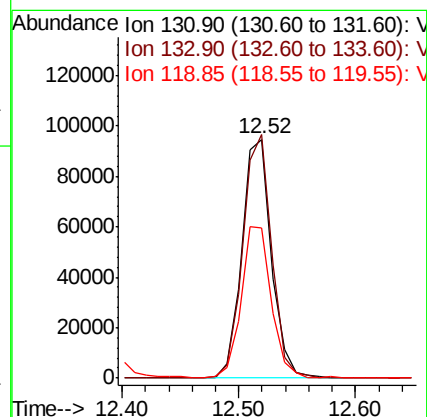
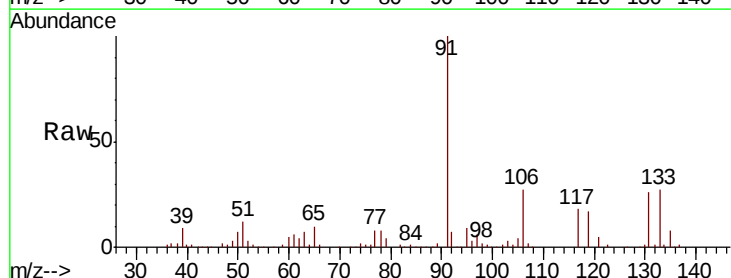
Tgt Ion:131 Resp: 166112

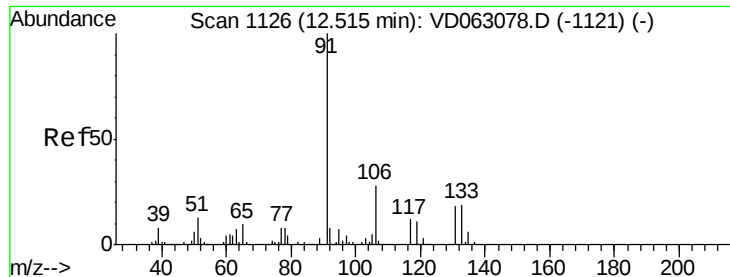
Ion Ratio Lower Upper

131 100

133 101.9 48.5 145.6

119 63.0 30.8 92.3

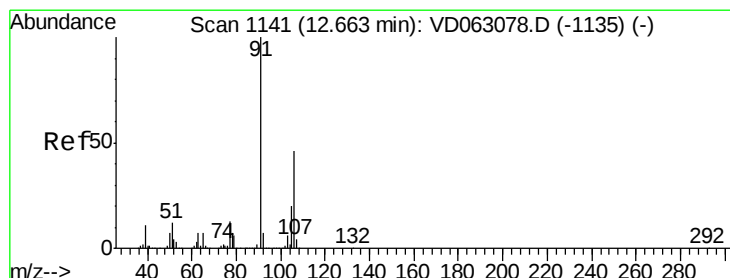
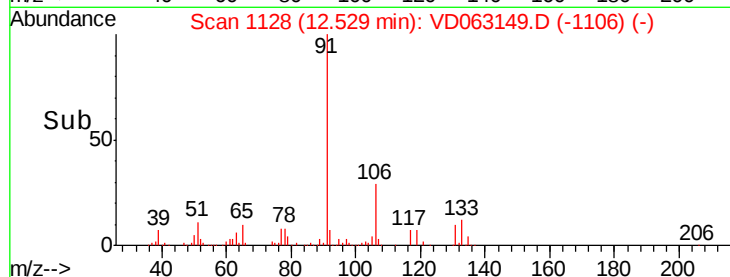
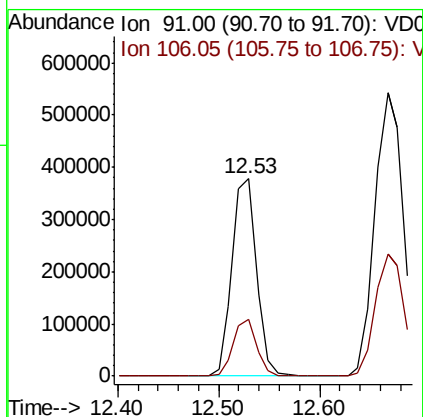
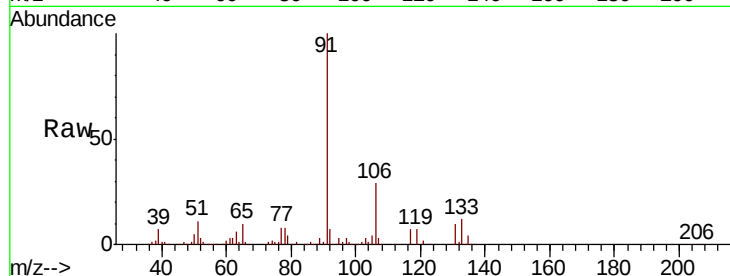




#67
Ethyl Benzene
Concen: 18.359 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

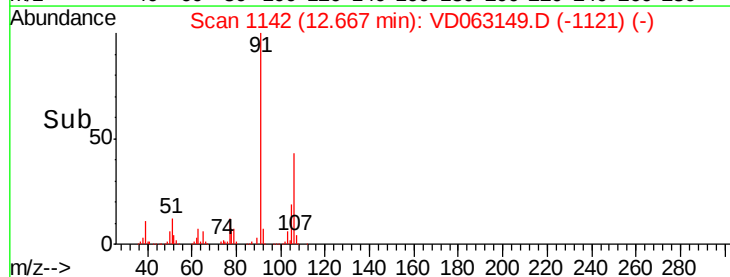
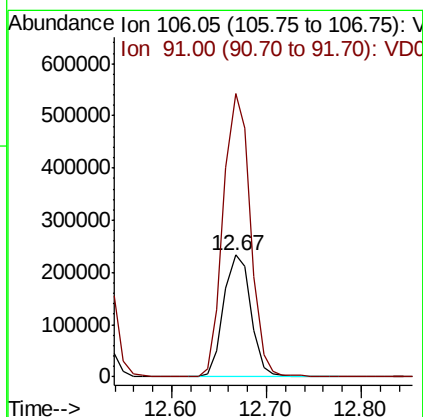
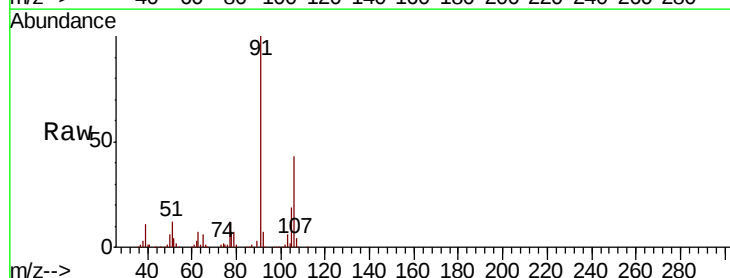
Instrument :
MSVOA_D
ClientSampleId :

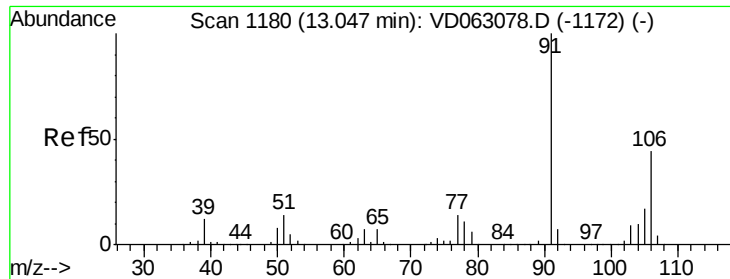
Tot Ion: 91 Resp: 638928
Ion Ratio Lower Upper
91 100
106 28.8 22.5 33.7



#68
m/p-Xylenes
Concen: 37.457 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 106 Resp: 466904
Ion Ratio Lower Upper
106 100
91 233.0 173.0 259.6

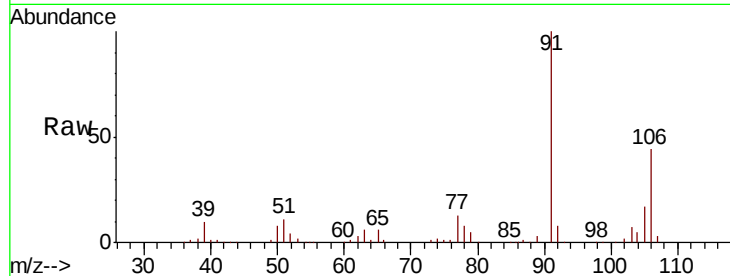




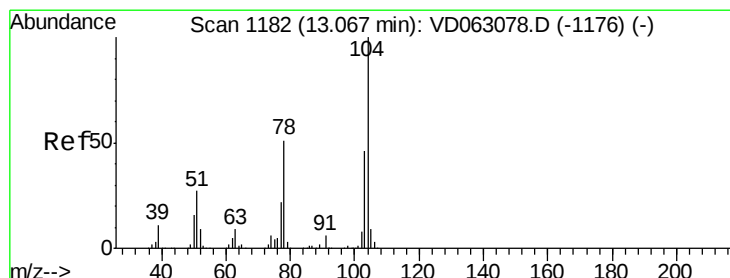
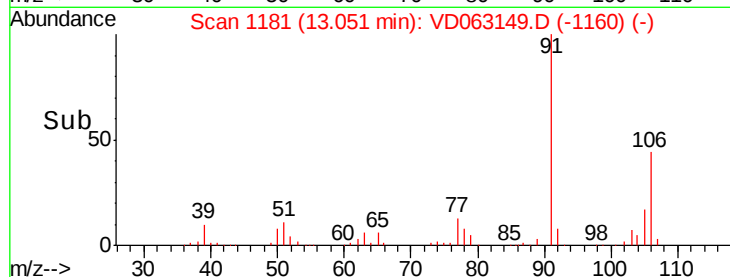
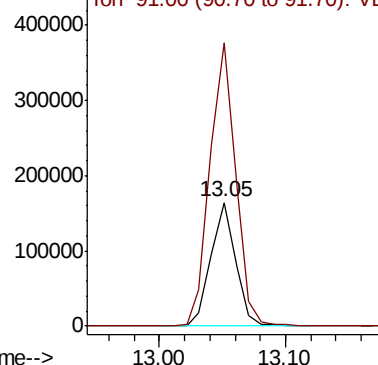
#69
o-Xylene
Concen: 18.845 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 222739
Ion Ratio Lower Upper
106 100
91 228.5 114.9 344.7

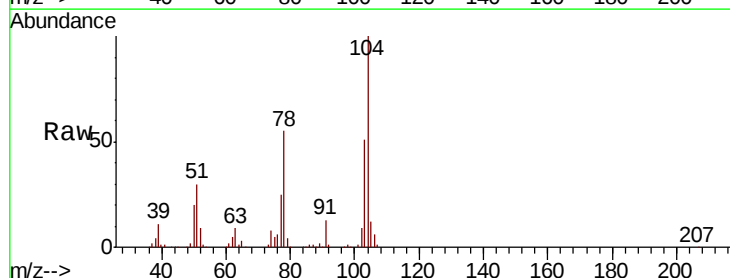


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

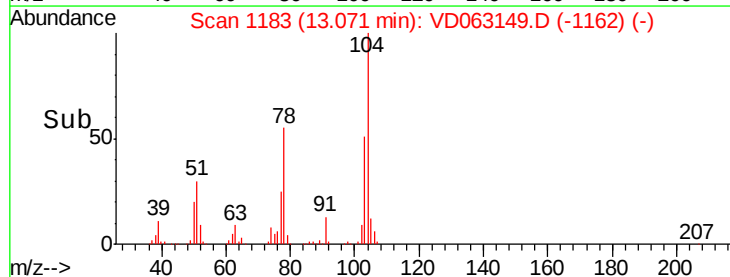
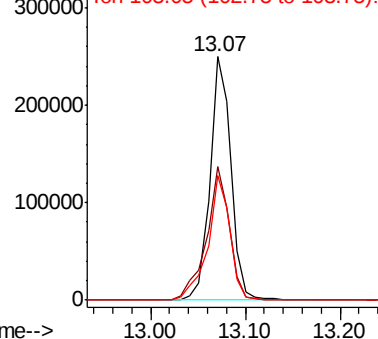


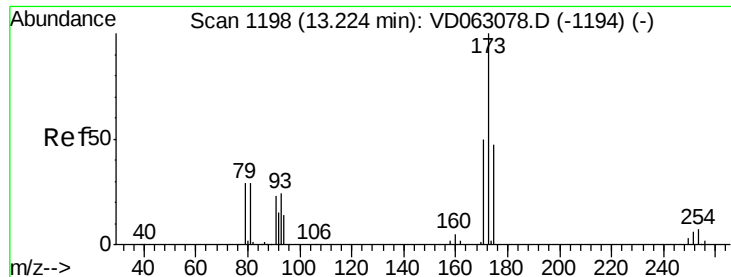
#70
Styrene
Concen: 18.382 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion:104 Resp: 380301
Ion Ratio Lower Upper
104 100
78 55.0 41.1 61.7
103 51.2 37.0 55.6



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





#71

Bromoform

Concen: 19.582 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampled :

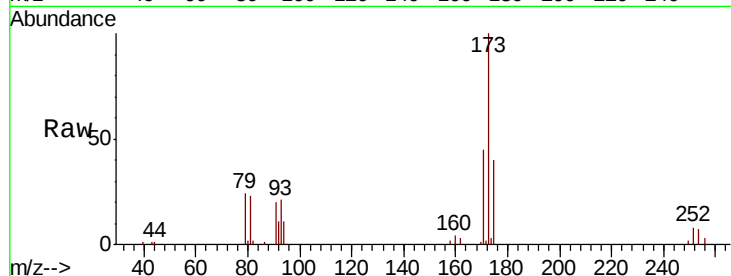
Tot Ion:173 Resp: 127308

Ion Ratio Lower Upper

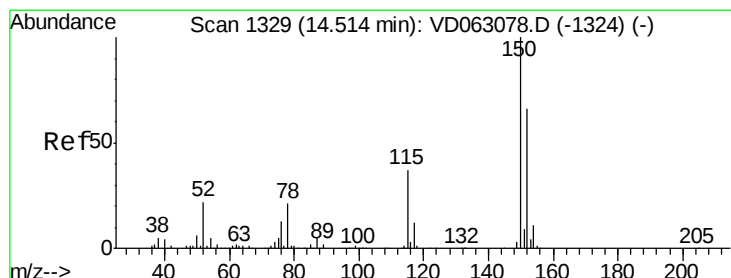
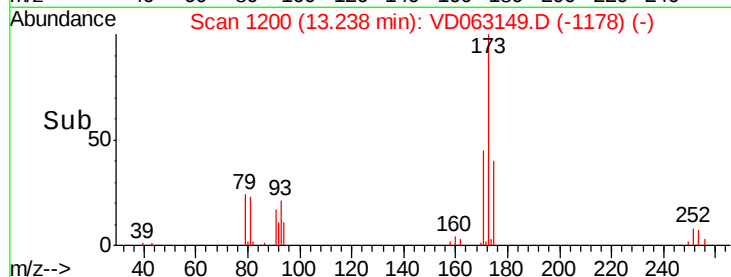
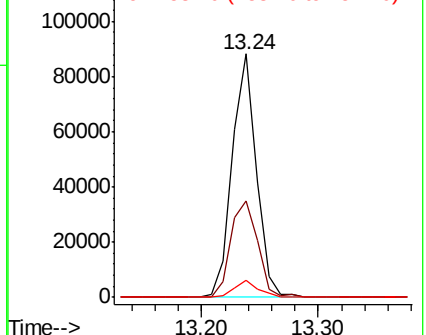
173 100

175 39.7 23.4 70.2

254 6.9 5.4 8.0



Abundance Ion 172.80 (172.50 to 173.50): V
120000
Ion 174.80 (174.50 to 175.50): V
100000
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: VD063149.D

Acq: 19 Jul 2019 13:07

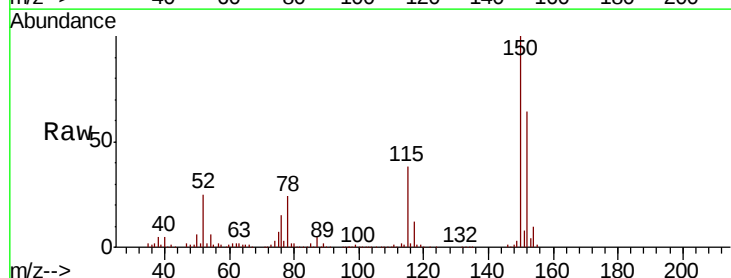
Tgt Ion:152 Resp: 492305

Ion Ratio Lower Upper

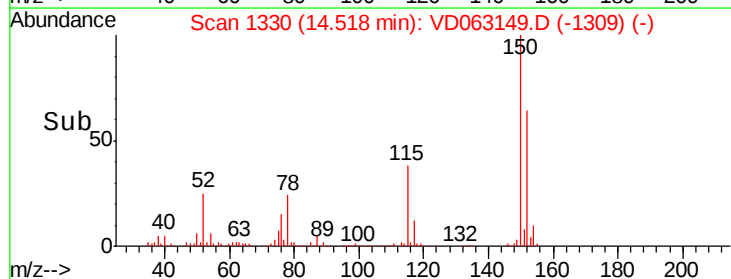
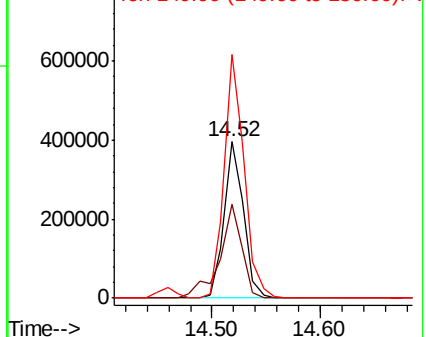
152 100

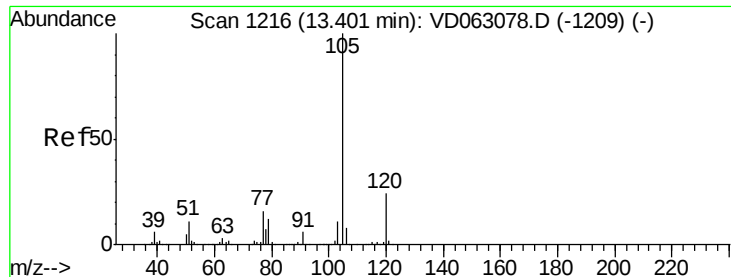
115 60.0 28.9 86.8

150 155.8 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V
800000
Ion 115.00 (114.70 to 115.70): V
600000
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.552 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

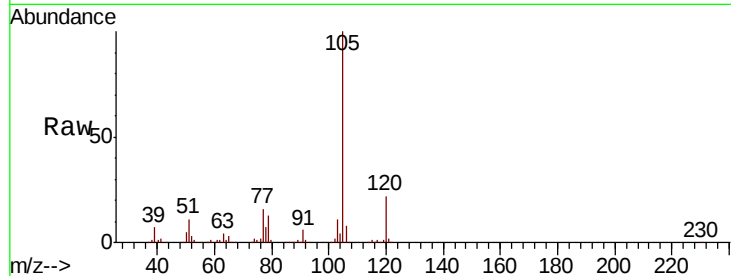
ClientSampled :

Tot Ion:105 Resp: 705347

Ion Ratio Lower Upper

105 100

120 22.5 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

500000

400000

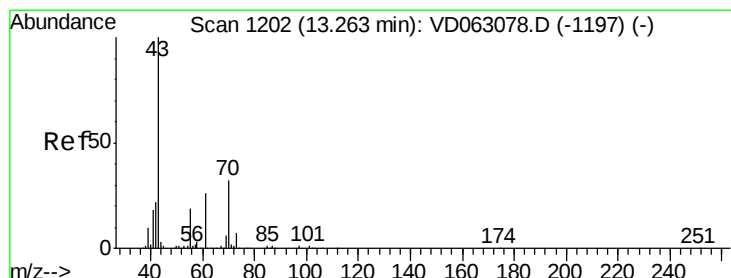
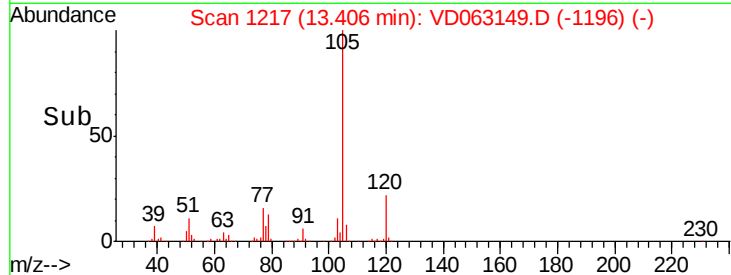
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.448 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Tgt Ion: 43 Resp: 195610

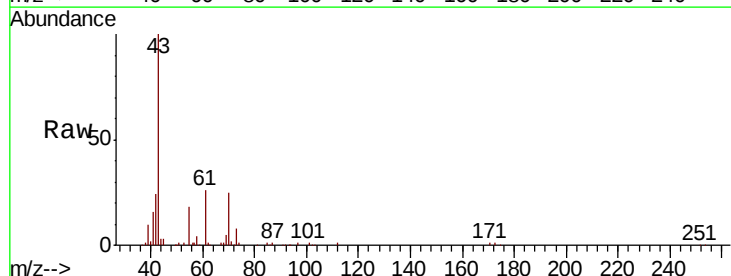
Ion Ratio Lower Upper

43 100

70 25.4 25.5 38.3#

55 18.4 15.4 23.0

61 25.7 20.6 31.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

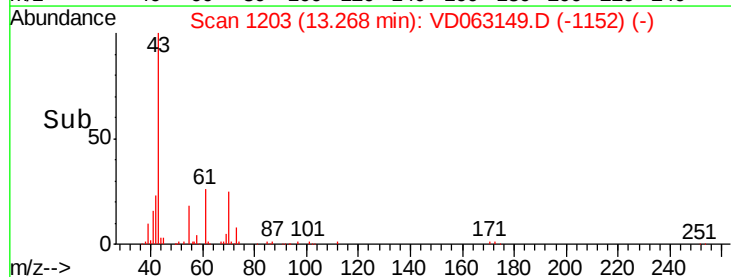
150000

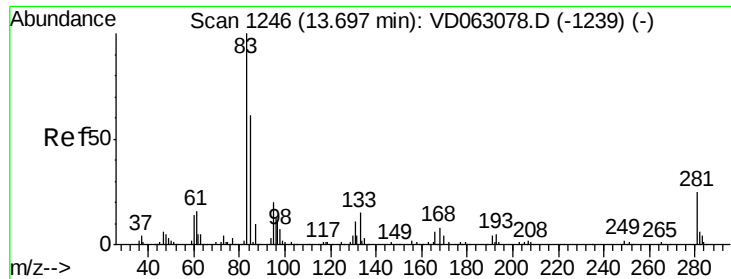
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 17.351 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

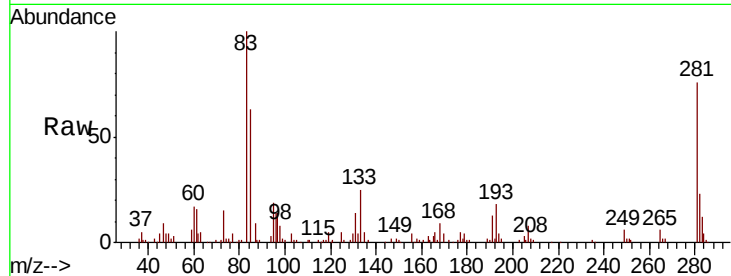
Tot Ion: 83 Resp: 120025

Ion Ratio Lower Upper

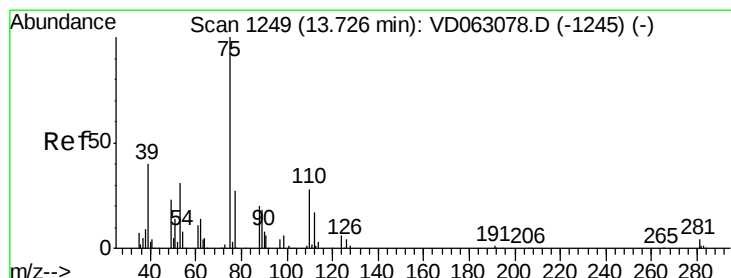
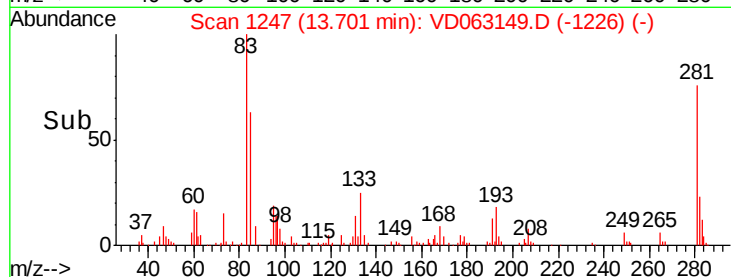
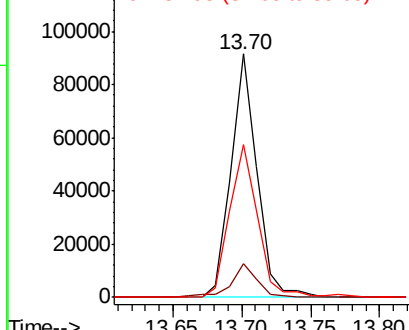
83 100

131 13.7 5.5 16.7

85 62.7 30.7 92.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.414 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063149.D

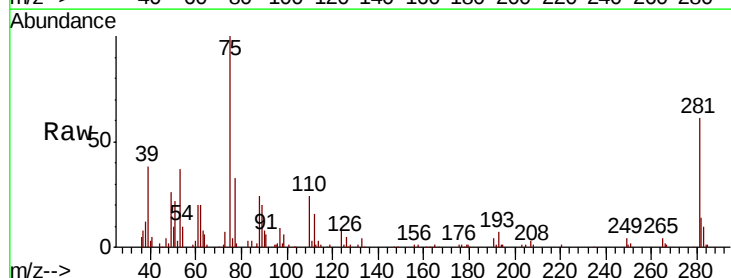
Acq: 19 Jul 2019 13:07

Tgt Ion: 75 Resp: 139451

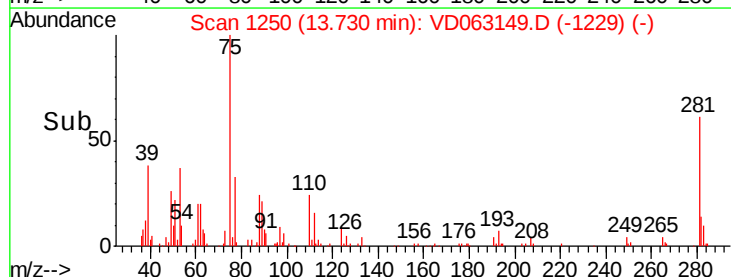
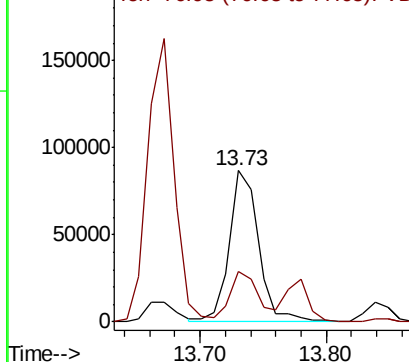
Ion Ratio Lower Upper

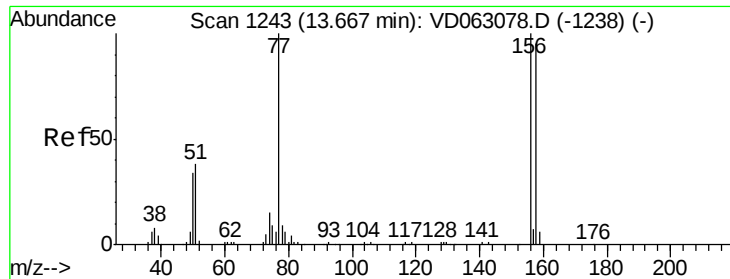
75 100

77 32.9 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.970 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

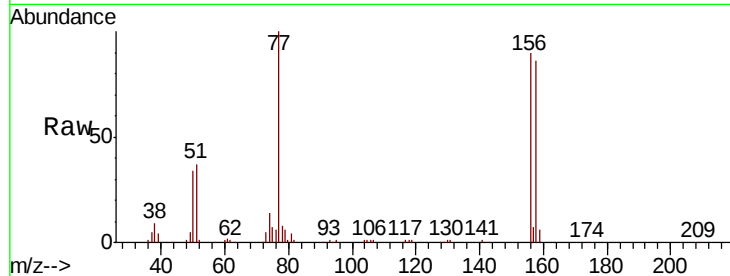
Tot Ion:156 Resp: 193744

Ion Ratio Lower Upper

156 100

77 110.9 50.2 150.7

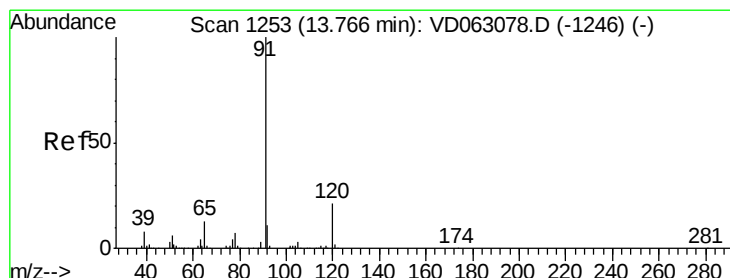
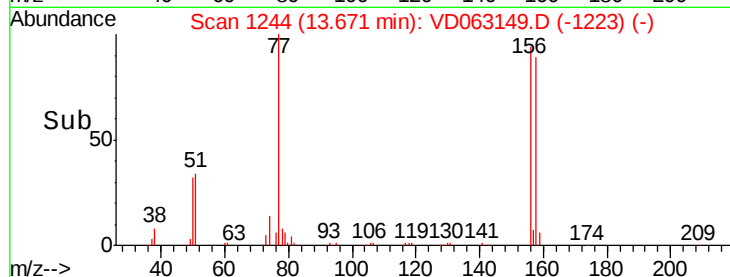
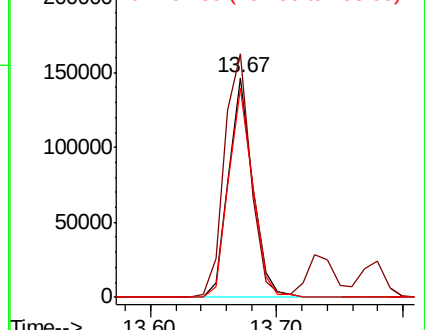
158 95.3 47.6 142.9



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: 18.763 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063149.D

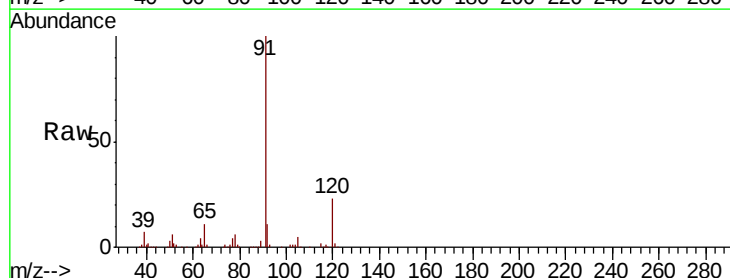
Acq: 19 Jul 2019 13:07

Tgt Ion: 91 Resp: 820924

Ion Ratio Lower Upper

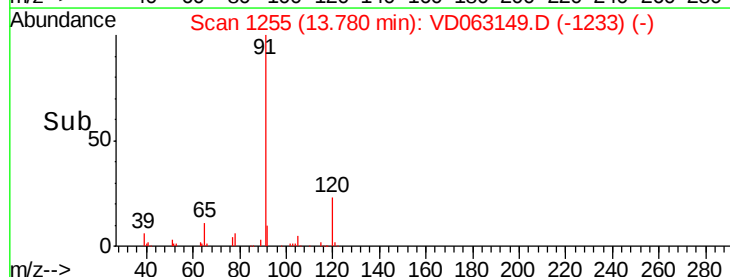
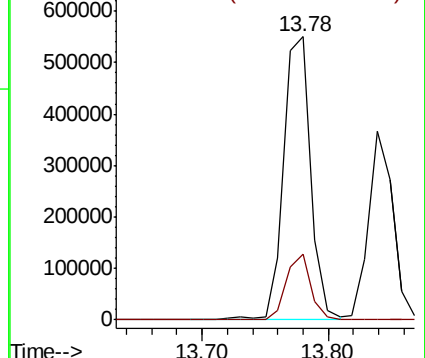
91 100

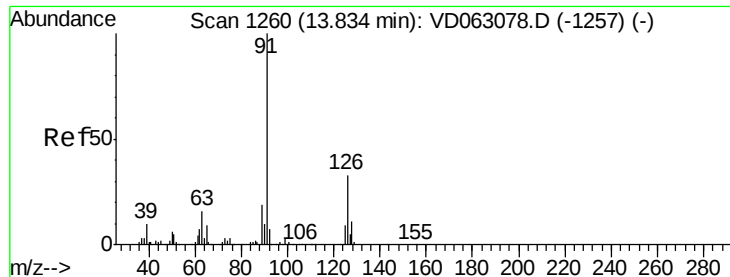
120 23.3 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

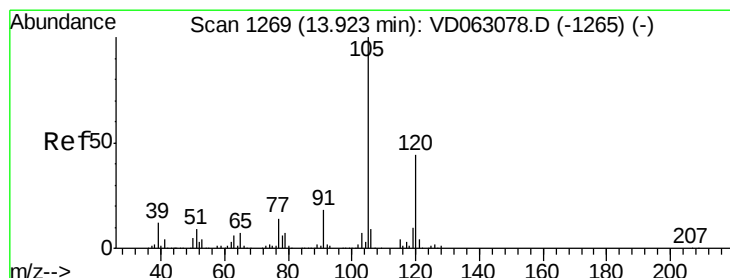
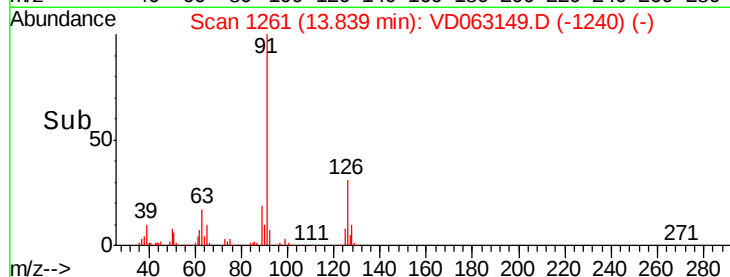
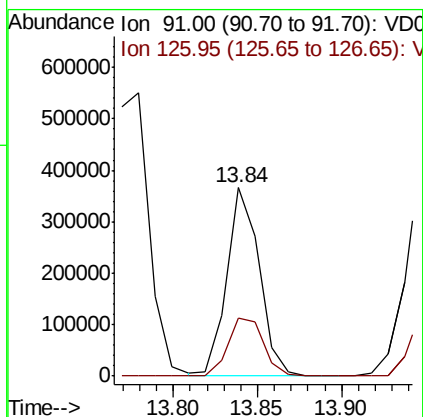
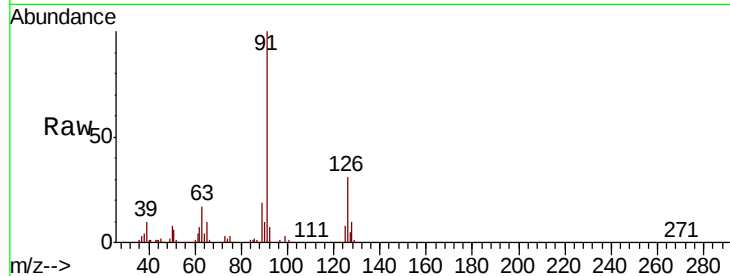




#79
 2-Chlorotoluene
 Concen: 18.469 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

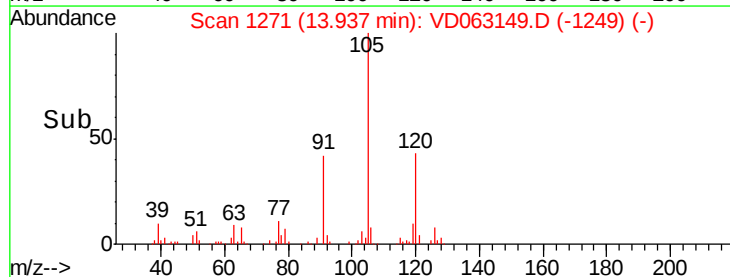
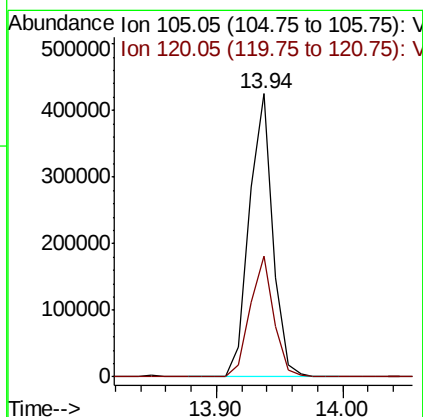
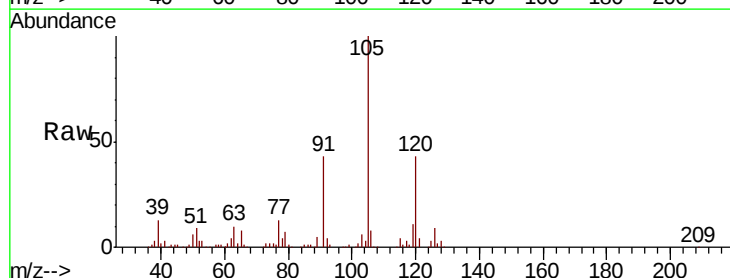
Instrument :
 MSVOA_D
 ClientSampled :

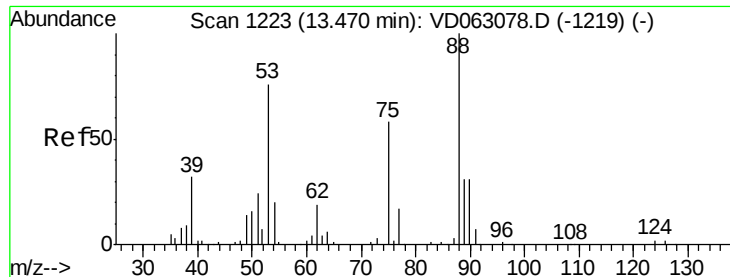
Tot Ion: 91 Resp: 488558
 Ion Ratio Lower Upper
 91 100
 126 30.6 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 16.602 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion: 105 Resp: 550123
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.506 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

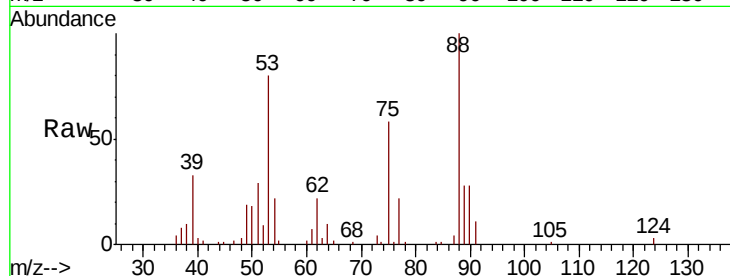
Tot Ion: 75 Resp: 32917

Ion Ratio Lower Upper

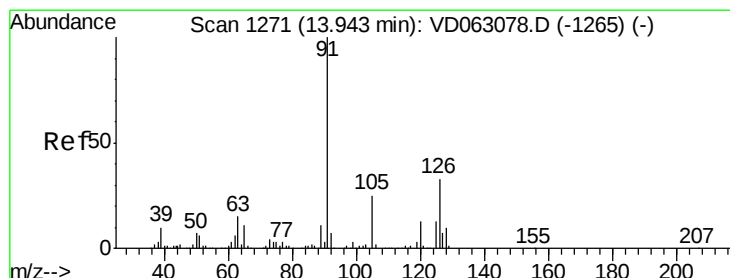
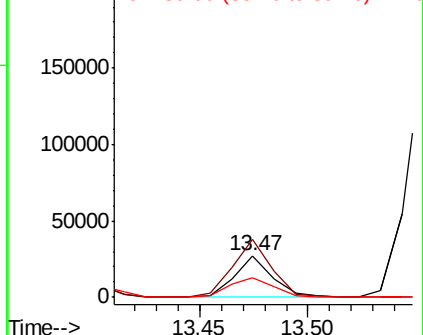
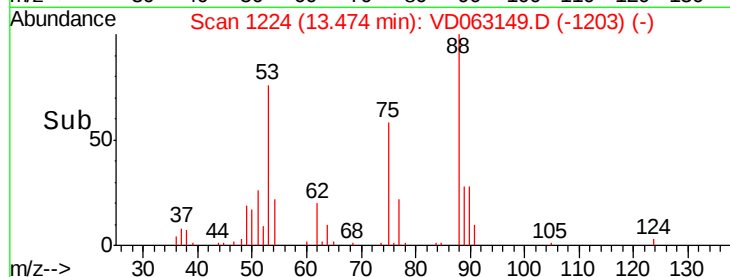
75 100

53 138.1 104.4 156.6

89 48.4 43.1 64.7



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: 17.165 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063149.D

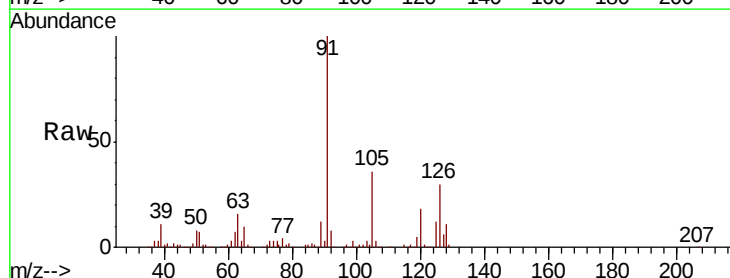
Acq: 19 Jul 2019 13:07

Tgt Ion: 91 Resp: 530229

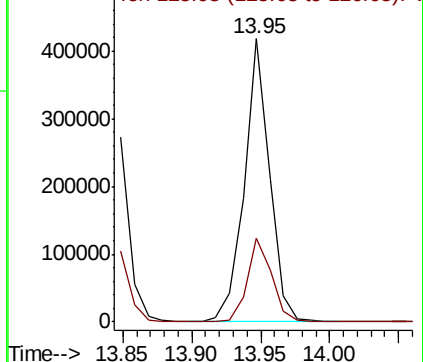
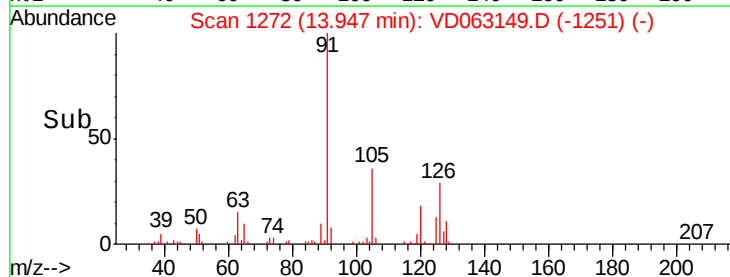
Ion Ratio Lower Upper

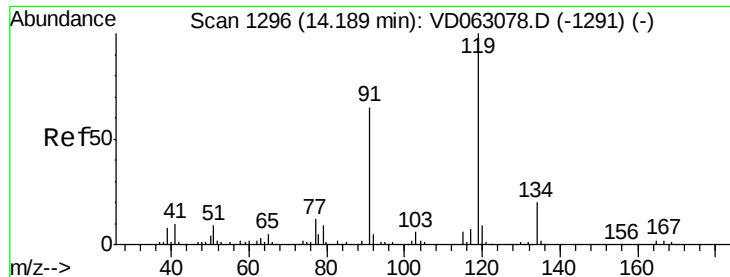
91 100

126 29.6 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

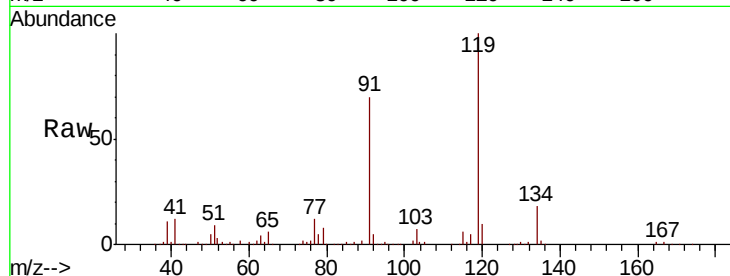




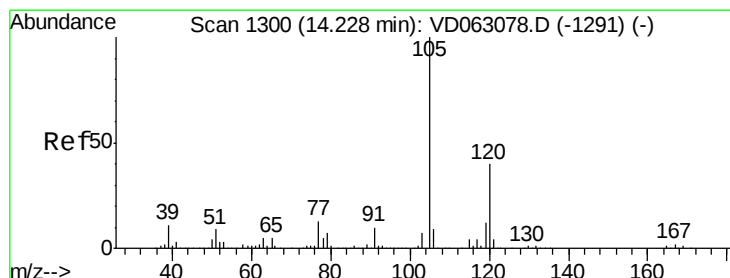
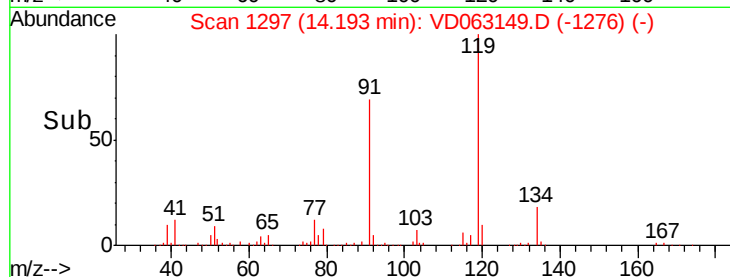
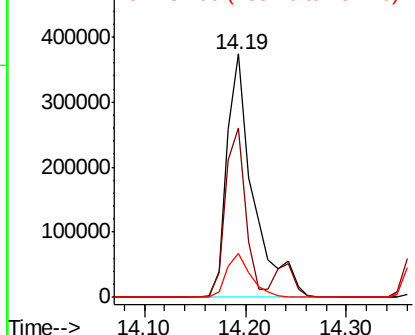
#83
tert-Butylbenzene
Concen: 18.148 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 679945
Ion Ratio Lower Upper
119 100
91 69.5 32.4 97.2
134 18.3 10.2 30.6

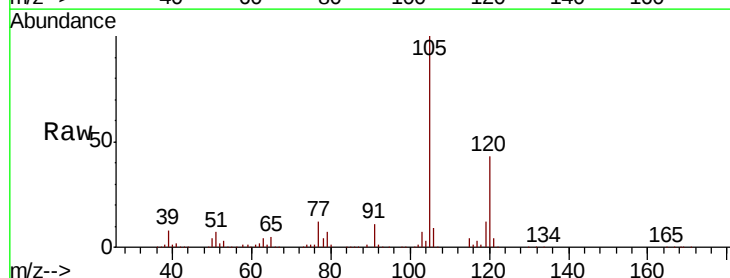


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

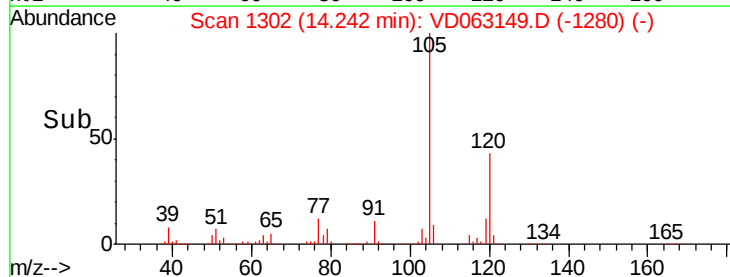
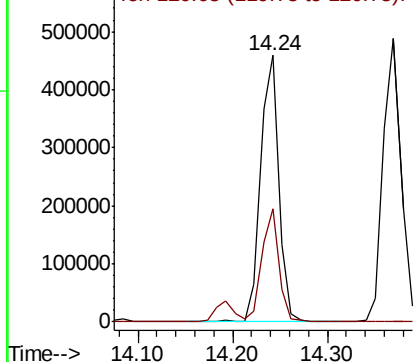


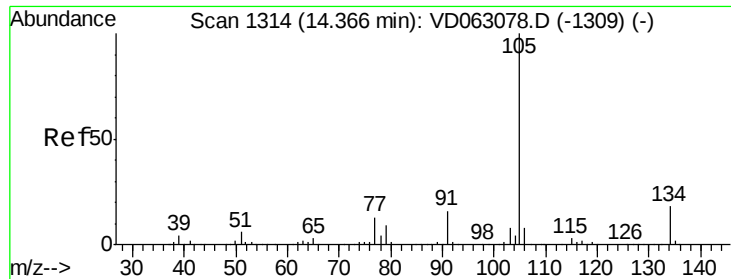
#84
1,2,4-Trimethylbenzene
Concen: 18.801 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion:105 Resp: 621079
Ion Ratio Lower Upper
105 100
120 42.6 20.2 60.6



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

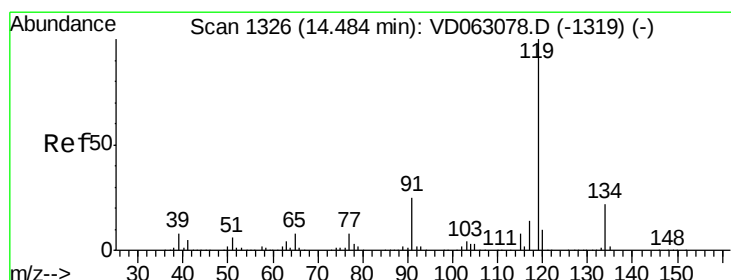
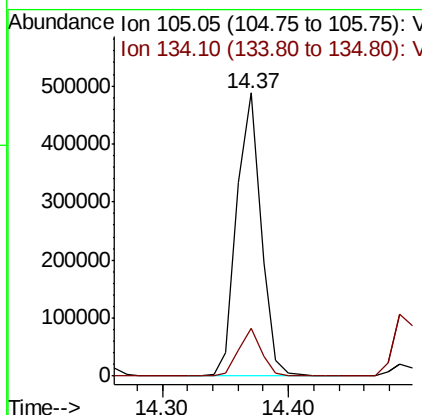
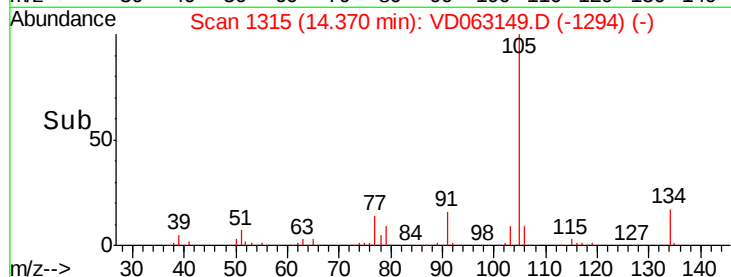
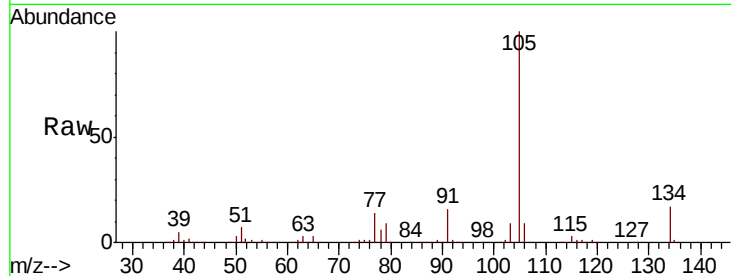




#85
 sec-Butylbenzene
 Concen: 16.325 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

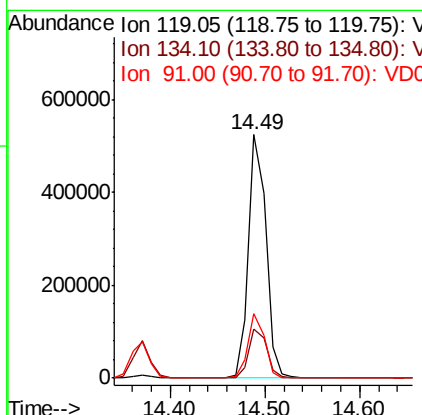
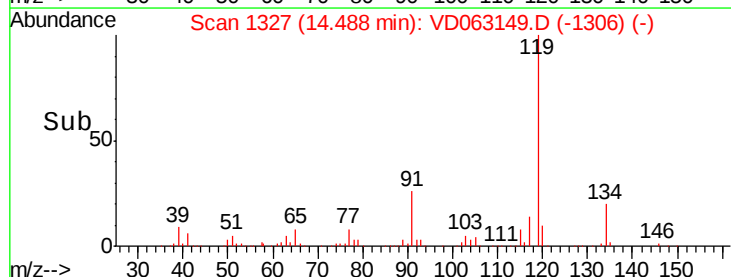
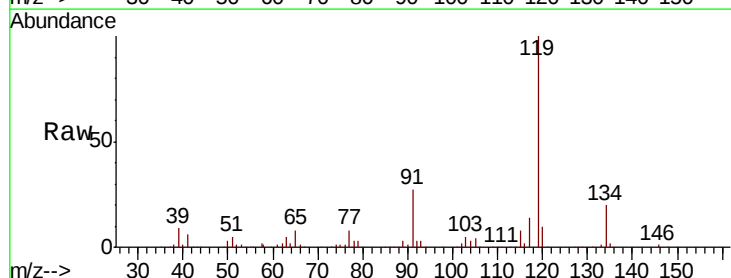
Instrument :
 MSVOA_D
 ClientSampled :

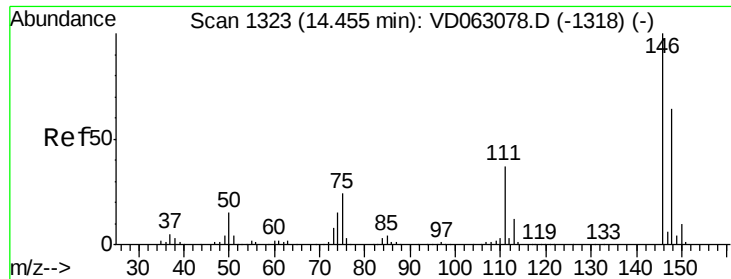
Tot Ion:105 Resp: 649872
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 18.123 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion:119 Resp: 672999
 Ion Ratio Lower Upper
 119 100
 134 20.2 10.8 32.4
 91 26.5 12.5 37.5

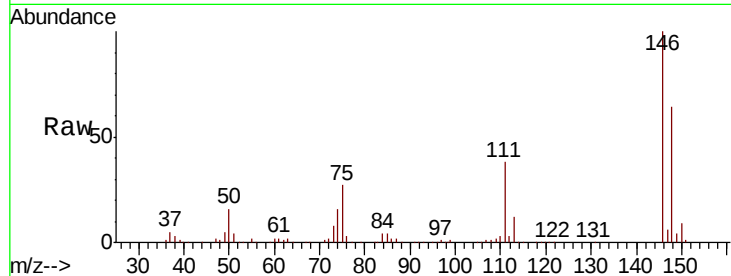




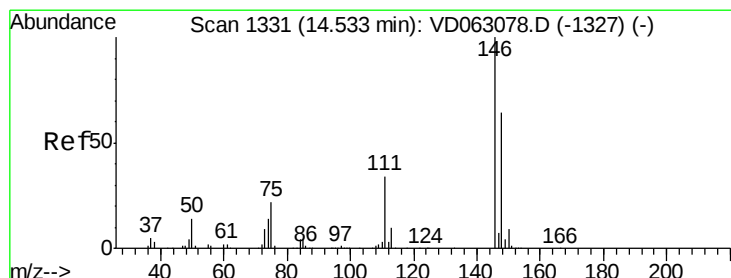
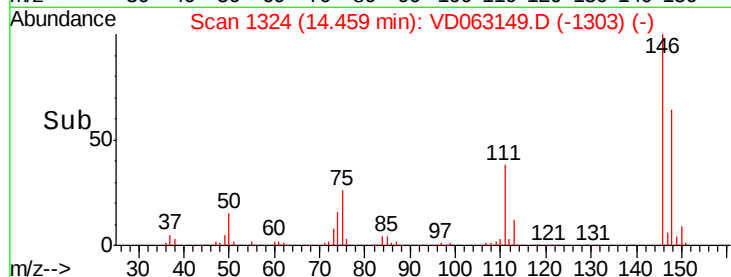
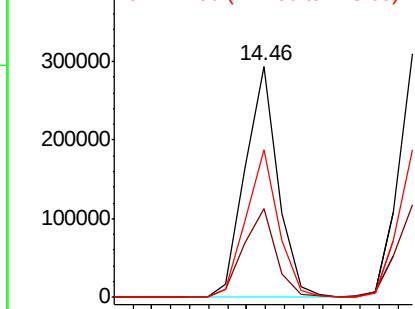
#87
 1,3-Dichlorobenzene
 Concen: 18.334 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 353004
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.6
 148 63.8 32.0 96.0

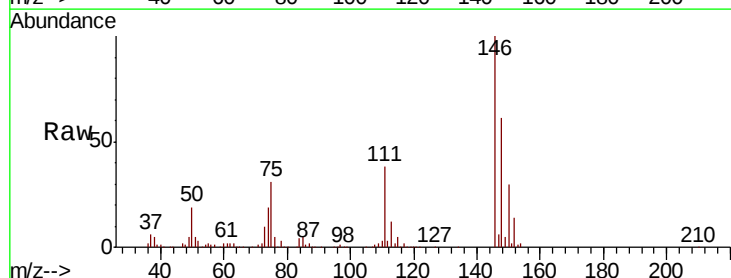


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

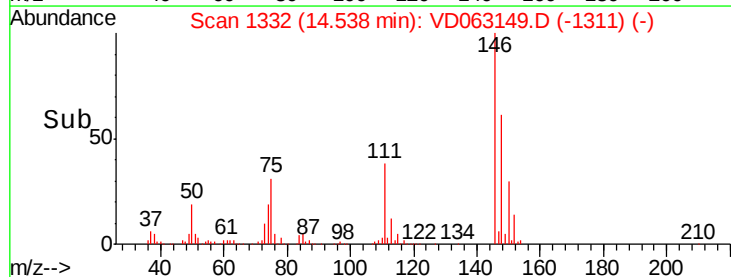
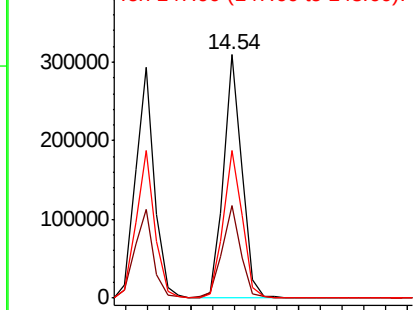


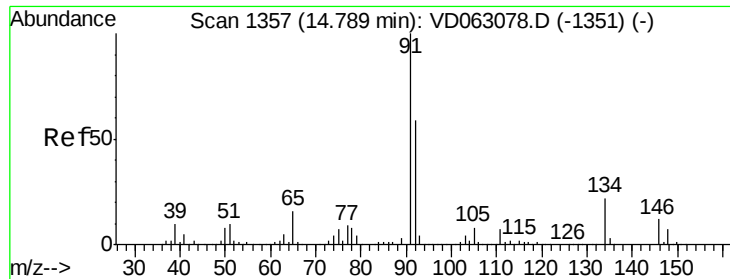
#88
 1,4-Dichlorobenzene
 Concen: 19.849 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion:146 Resp: 366386
 Ion Ratio Lower Upper
 146 100
 111 38.1 17.0 51.0
 148 60.8 32.0 96.2



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

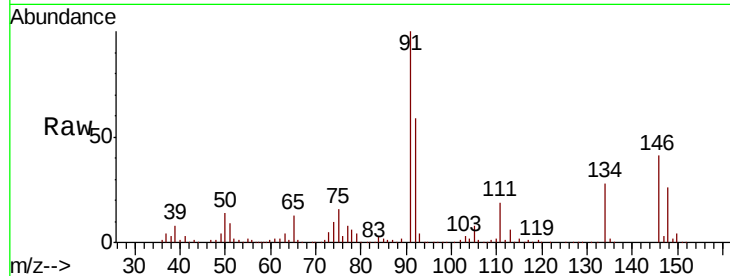




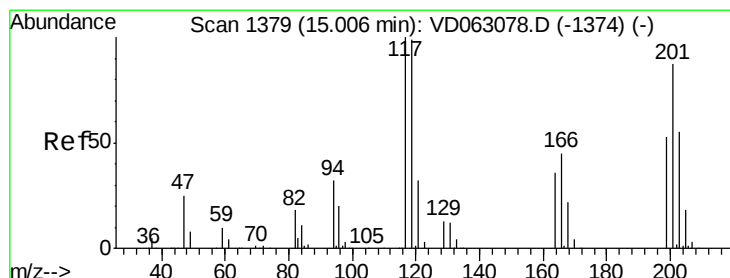
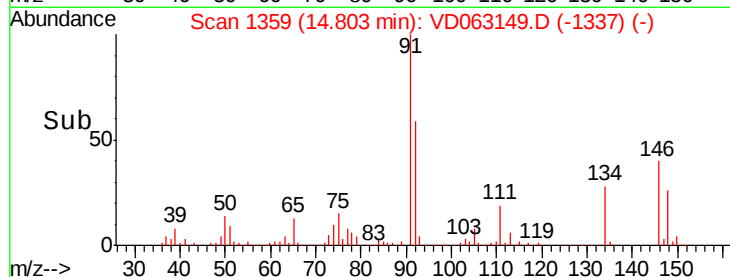
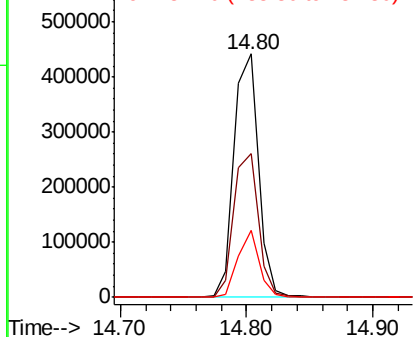
#89
n-Butylbenzene
Concen: 17.173 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 587792
Ion Ratio Lower Upper
91 100
92 59.3 29.4 88.3
134 27.6 11.3 33.8

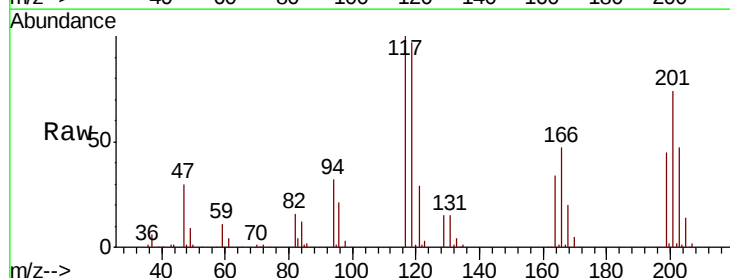


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

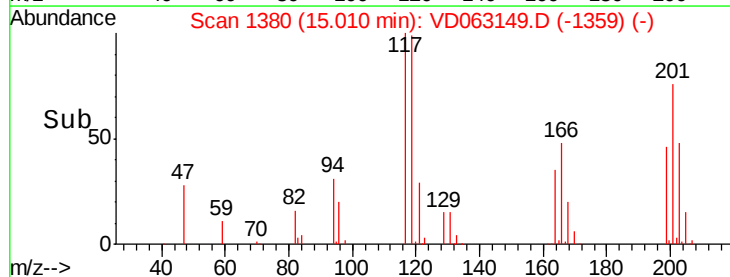
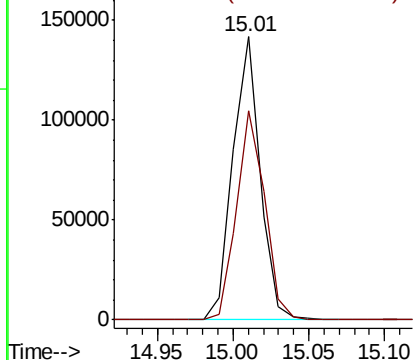


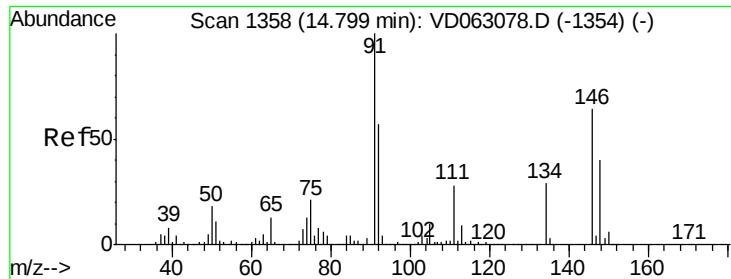
#90
Hexachloroethane
Concen: 17.780 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD063149.D
Acq: 19 Jul 2019 13:07

Tgt Ion: 117 Resp: 176511
Ion Ratio Lower Upper
117 100
201 74.1 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

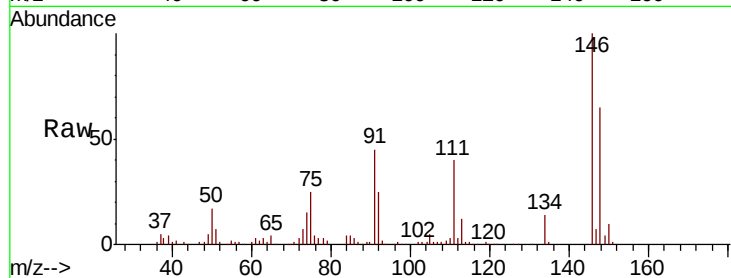




#91
 1,2-Dichlorobenzene
 Concen: 17.477 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.9	65.5
148	65.1	31.5	94.5

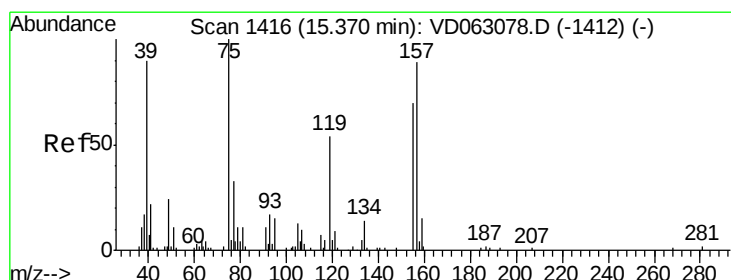
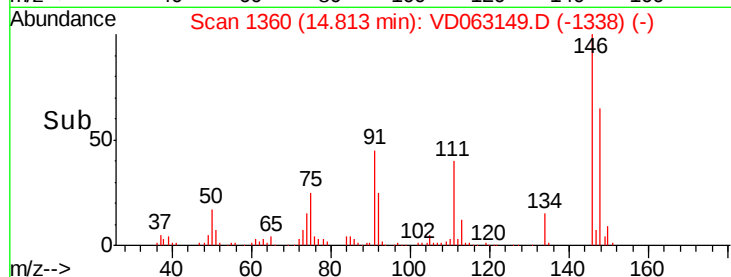
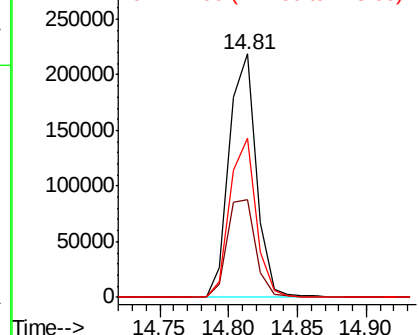


Abundance

Ion 145.95 (145.65 to 146.65): V

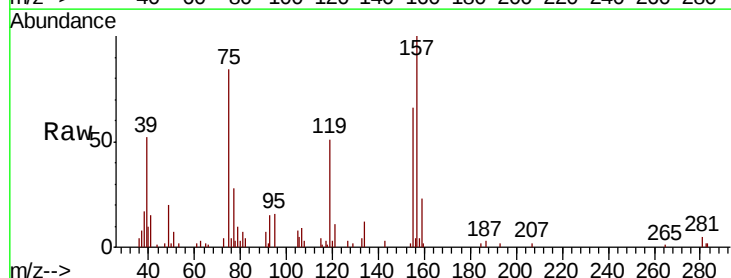
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.545 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	34.8	104.3
157	119.3	44.7	134.1

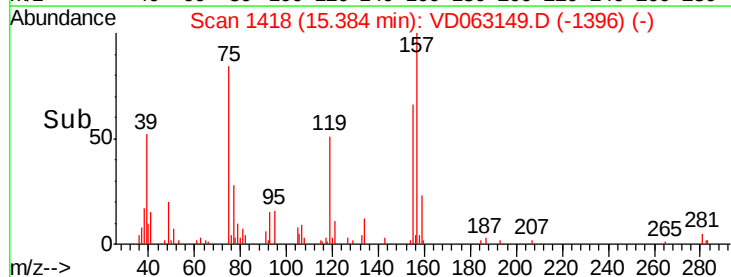
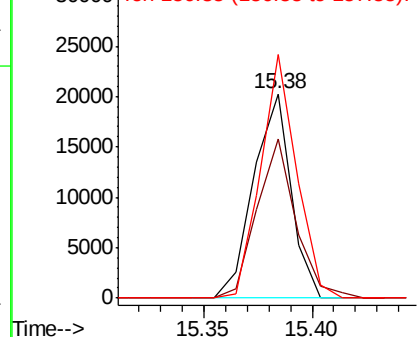


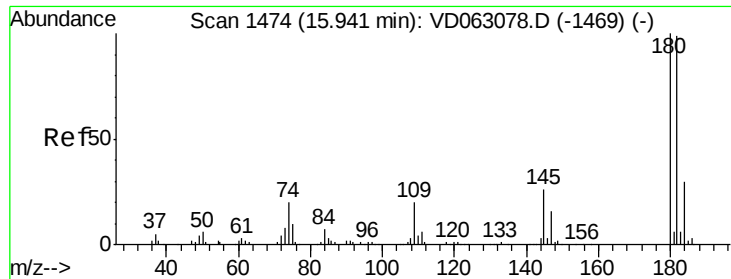
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

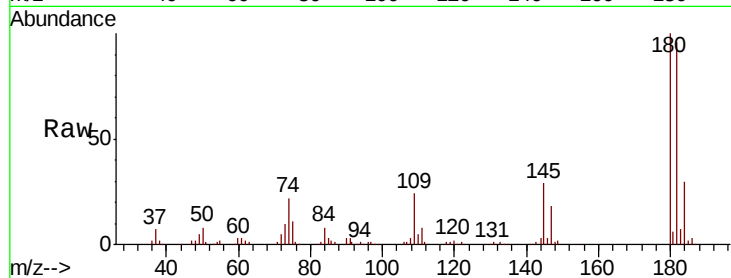




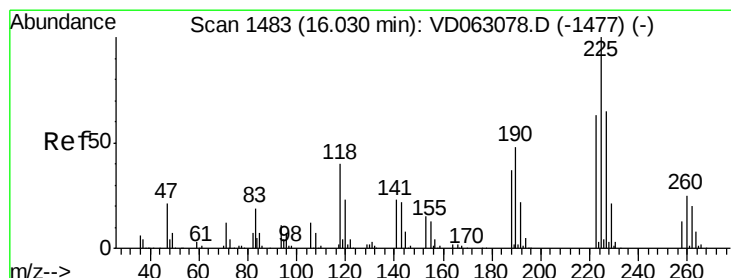
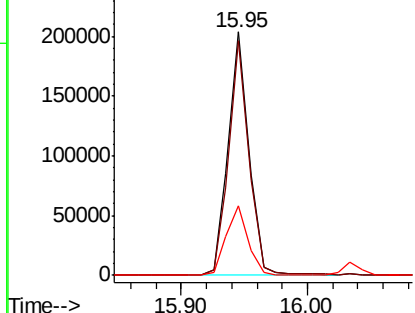
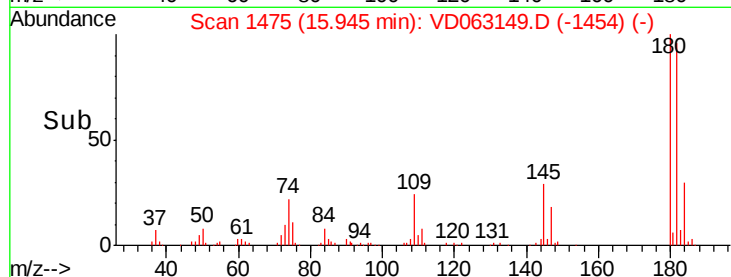
#93
 1,2,4-Trichlorobenzene
 Concen: 17.957 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 231300
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.5 148.3
 145 28.6 12.8 38.4

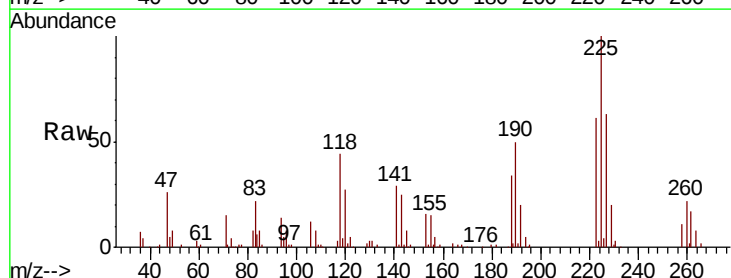


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

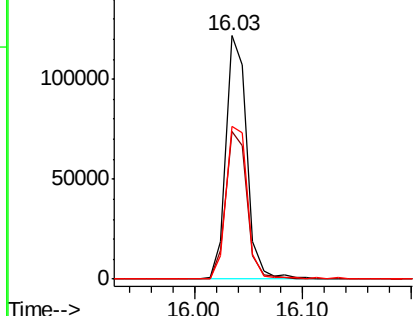
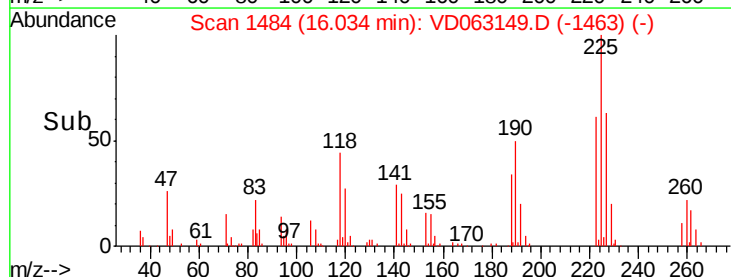


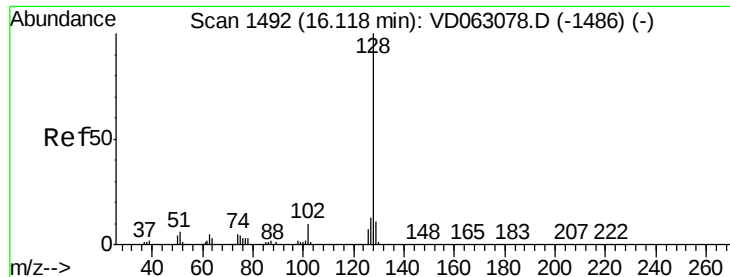
#94
 Hexachlorobutadiene
 Concen: 17.243 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063149.D
 Acq: 19 Jul 2019 13:07

Tgt Ion:225 Resp: 163714
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.4 94.2
 227 62.6 32.6 97.8



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: 18.523 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

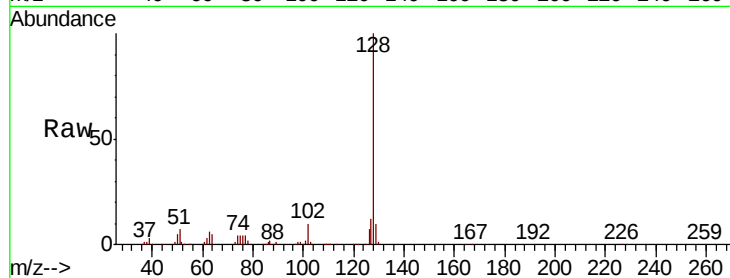
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 349007

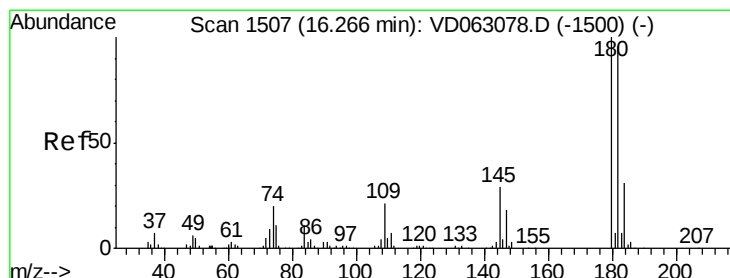
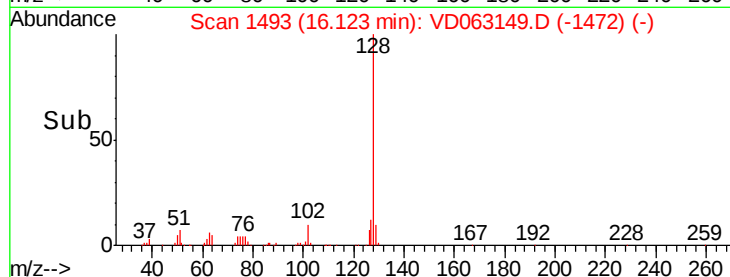
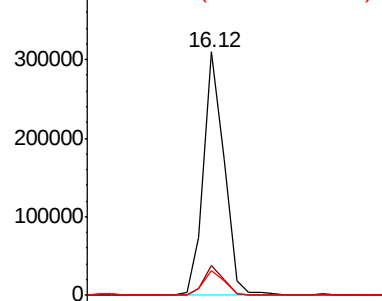
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.7	16.1
129	10.2	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.225 ug/l

RT: 16.27 min Scan# 1508

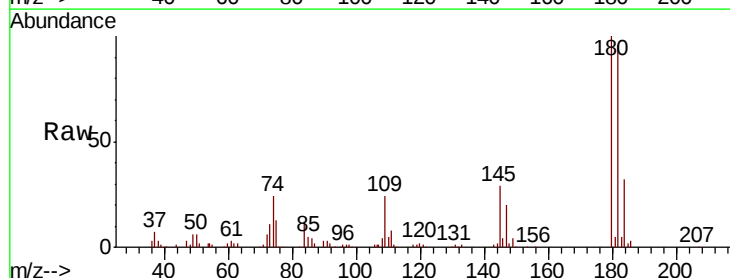
Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Tgt Ion:180 Resp: 168120

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.6
145	29.1	14.4	43.4



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

