

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061163.D
 Acq On : 19 Mar 2019 1:18
 Operator : VA/AP
 Sample : VD0318SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Quant Time: Mar 19 01:42:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	567421	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1040039	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	899934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	352132	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	261068	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	6.91	113	413211	53.54	ug/l	-0.01
Spiked Amount			Recovery	=	107.08%	
50) Toluene-d8	10.40	98	910822	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	13.55	95	406195	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	112585	20.031	ug/l	99
3) Chloromethane	1.76	50	93522	19.974	ug/l	100
4) Vinyl Chloride	1.85	62	78659	18.181	ug/l	96
5) Bromomethane	2.15	94	17662	20.251	ug/l #	83
6) Chloroethane	2.26	64	23736	18.329	ug/l #	83
7) Trichlorofluoromethane	2.52	101	131079	21.090	ug/l	94
8) Diethyl Ether	2.87	74	46180	22.523	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	151597	21.817	ug/l	99
10) Methyl Iodide	3.30	142	184693	21.102	ug/l	99
11) Tert butyl alcohol	4.05	59	35041	116.538	ug/l	99
12) 1,1-Dichloroethene	3.12	96	122595	21.524	ug/l	96
13) Acrolein	3.04	56	28032	64.432	ug/l	95
14) Allyl chloride	3.62	41	186292	20.442	ug/l	97
15) Acrylonitrile	4.19	53	135561	127.562	ug/l	97
16) Acetone	3.22	43	127965	94.745	ug/l	99
17) Carbon Disulfide	3.37	76	363665	18.928	ug/l	99
18) Methyl Acetate	3.64	43	58095	21.857	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	260368	26.084	ug/l	96
20) Methylene Chloride	3.81	84	144859	20.799	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	142533	23.120	ug/l	97
22) Diisopropyl ether	5.10	45	412268	21.792	ug/l	92
23) Vinyl Acetate	5.04	43	1191808	122.721	ug/l	100
24) 1,1-Dichloroethane	4.98	63	235721	22.742	ug/l	97
25) 2-Butanone	6.06	43	172225	112.376	ug/l	95
26) 2,2-Dichloropropane	6.02	77	167811	20.739	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	158791	24.277	ug/l	93
28) Bromochloromethane	6.43	49	80322	18.305	ug/l	93
29) Tetrahydrofuran	6.44	42	84009	100.949	ug/l	96
30) Chloroform	6.66	83	249313	23.208	ug/l	98
31) Cyclohexane	6.94	56	154350	18.468	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	208492	22.448	ug/l	95
36) 1,1-Dichloropropene	7.13	75	181902	20.290	ug/l	99
37) Ethyl Acetate	6.17	43	87433	20.783	ug/l	98
38) Carbon Tetrachloride	7.10	117	204108	20.669	ug/l	95

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Instrument :
 MSVOA_D
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 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	185056	19.907	ug/l	94
40) Benzene	7.45	78	455612	20.339	ug/l	100
41) Methacrylonitrile	6.43	41	91767	18.964	ug/l	95
42) 1,2-Dichloroethane	7.56	62	147806	22.737	ug/l	98
43) Isopropyl Acetate	9.23	43	113573	19.492	ug/l #	97
44) Trichloroethene	8.53	130	172970	22.381	ug/l	96
45) 1,2-Dichloropropane	8.92	63	109641	18.630	ug/l	100
46) Dibromomethane	9.05	93	82233	22.028	ug/l	98
47) Bromodichloromethane	9.37	83	181419	21.535	ug/l	99
48) Methyl methacrylate	9.11	41	69497	21.184	ug/l	90
49) 1,4-Dioxane	9.06	88	15033	453.160	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	399911	112.031	ug/l	99
52) Toluene	10.50	92	304308	21.846	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	168588	21.886	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	205449	22.198	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	103771	22.369	ug/l	97
56) Ethyl methacrylate	11.03	69	115102	23.705	ug/l	95
57) 1,3-Dichloropropane	11.39	76	148250	21.385	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	265003	103.105	ug/l	100
59) 2-Hexanone	11.52	43	272712	104.440	ug/l	96
60) Dibromochloromethane	11.67	129	156642	22.944	ug/l	97
61) 1,2-Dibromoethane	11.80	107	122724	22.742	ug/l	95
64) Tetrachloroethene	11.25	164	141194	23.242	ug/l	95
65) Chlorobenzene	12.39	112	379033	21.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	141186	22.451	ug/l	99
67) Ethyl Benzene	12.52	91	561074	21.362	ug/l	99
68) m/p-Xylenes	12.65	106	430374	41.748	ug/l	96
69) o-Xylene	13.04	106	212604	20.981	ug/l	99
70) Styrene	13.06	104	339999	20.548	ug/l	98
71) Bromoform	13.22	173	91172	22.473	ug/l	98
73) Isopropylbenzene	13.39	105	577198	22.745	ug/l	98
74) N-amyl acetate	13.25	43	161463	22.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	120994	24.437	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	113584	22.421	ug/l	99
77) Bromobenzene	13.66	156	165356	25.525	ug/l	85
78) n-propylbenzene	13.77	91	706066	23.766	ug/l	98
79) 2-Chlorotoluene	13.83	91	399485	24.424	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	465524	24.163	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	33069	22.141	ug/l	97
82) 4-Chlorotoluene	13.94	91	436828	22.591	ug/l	98
83) tert-Butylbenzene	14.18	119	555601	26.352	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	465524	24.163	ug/l	100
85) sec-Butylbenzene	14.36	105	589228	22.892	ug/l	95
86) p-Isopropyltoluene	14.48	119	490012	23.290	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	276928	23.940	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	255704	22.495	ug/l	97
89) n-Butylbenzene	14.79	91	410548	20.320	ug/l	98
90) Hexachloroethane	15.00	117	130102	21.899	ug/l	76
91) 1,2-Dichlorobenzene	14.80	146	234136	24.279	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12811	21.471	ug/l	79

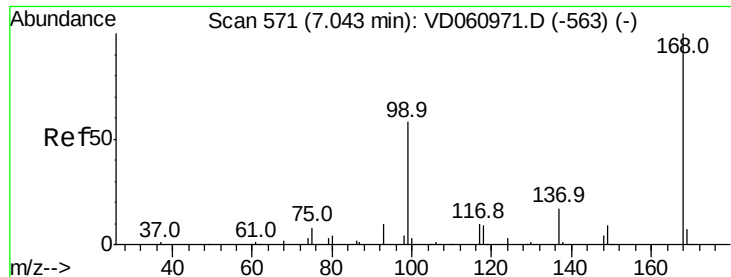
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061163.D
Acq On : 19 Mar 2019 1:18
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Sample : VD0318SBSD02
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	114857	25.674	µg/l	98
94) Hexachlorobutadiene	16.03	225	81562	24.104	µg/l	97
95) Naphthalene	16.12	128	198470	29.195	µg/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	54711	24.762	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

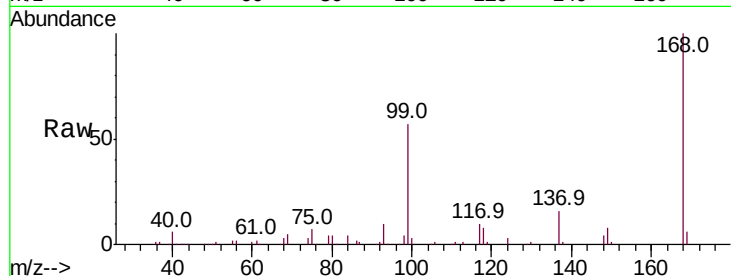
VD0318SBS02

Tot Ion:168 Resp: 567421

Ion Ratio Lower Upper

168 100

99 56.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

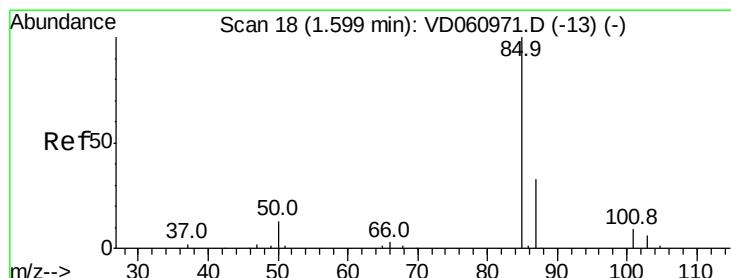
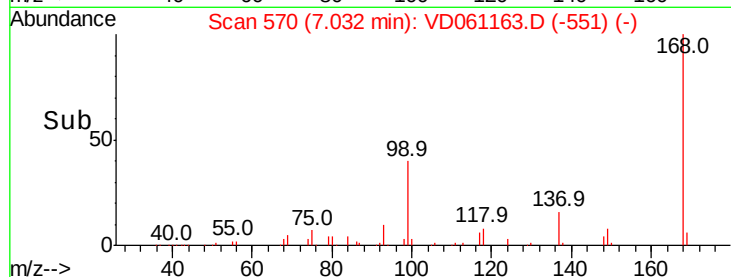
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.031 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061163.D

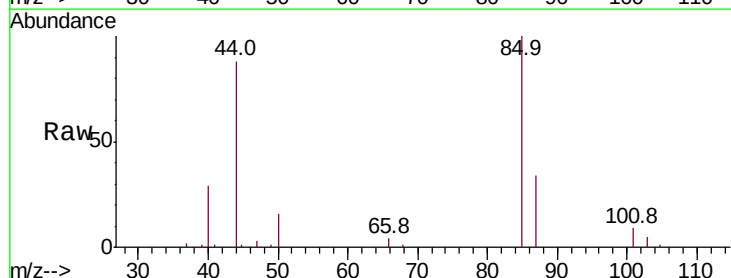
Acq: 19 Mar 2019 1:18

Tgt Ion: 85 Resp: 112585

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

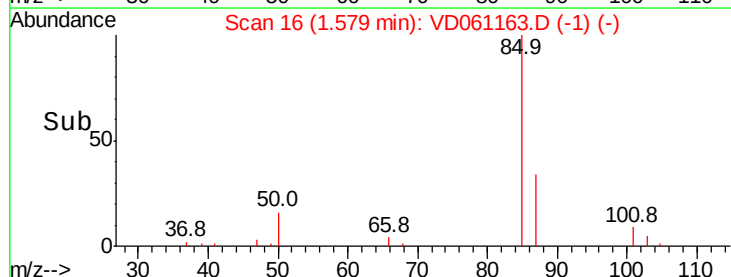
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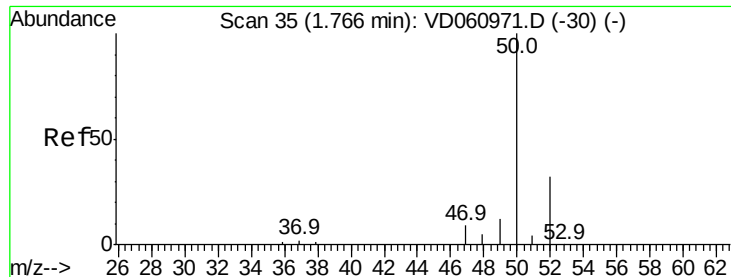
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.974 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

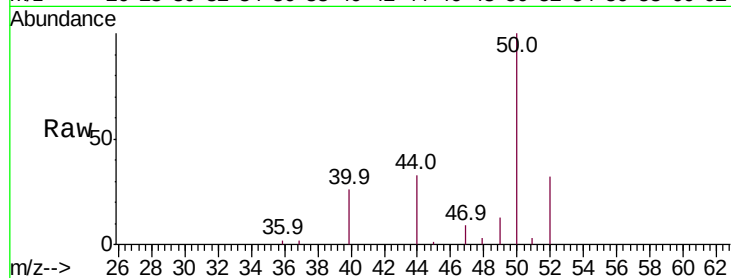
VD0318SBS02

Tot Ion: 50 Resp: 93522

Ion Ratio Lower Upper

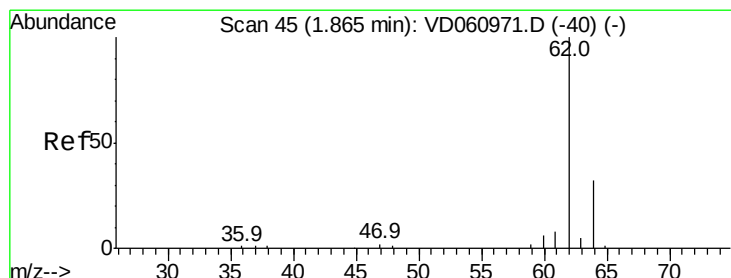
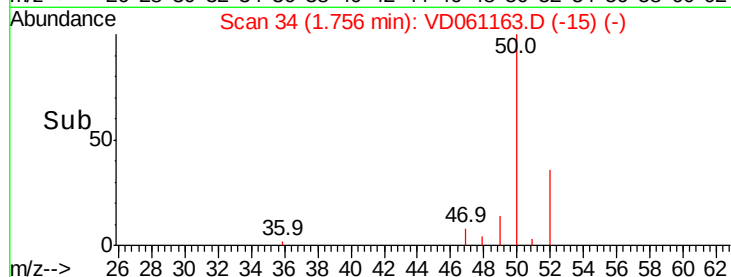
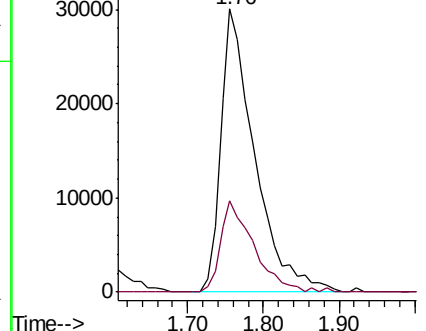
50 100

52 32.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.181 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061163.D

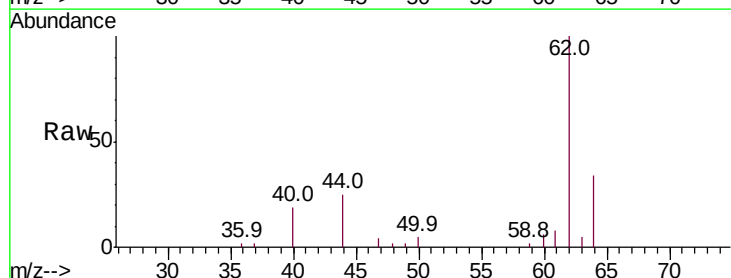
Acq: 19 Mar 2019 1:18

Tgt Ion: 62 Resp: 78659

Ion Ratio Lower Upper

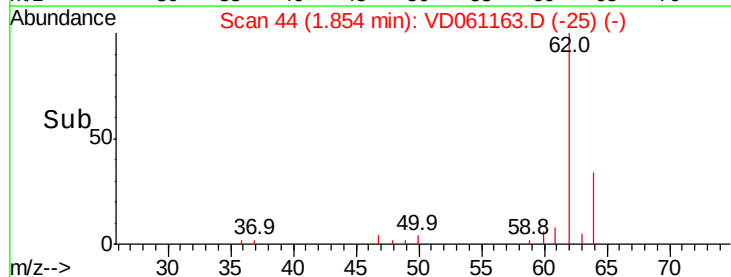
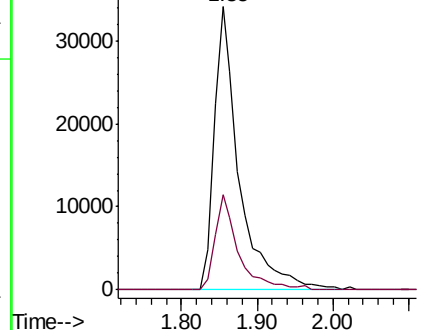
62 100

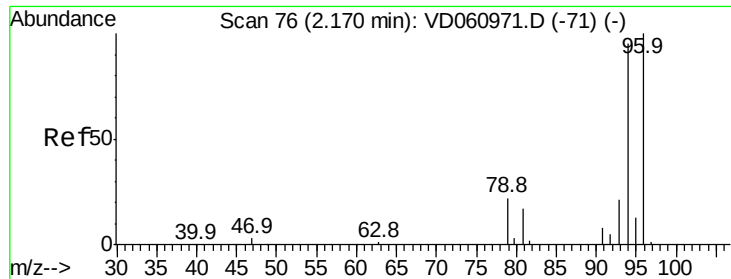
64 33.6 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.251 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

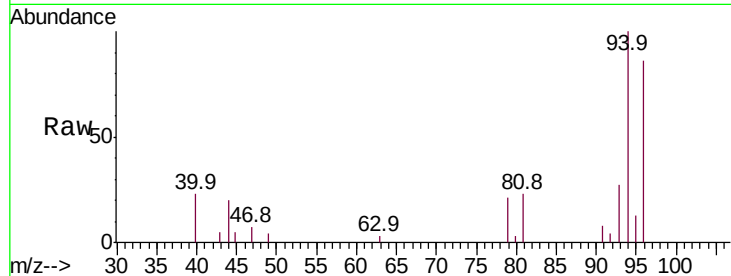
Tot Ion: 94 Resp: 17662

Ion Ratio Lower Upper

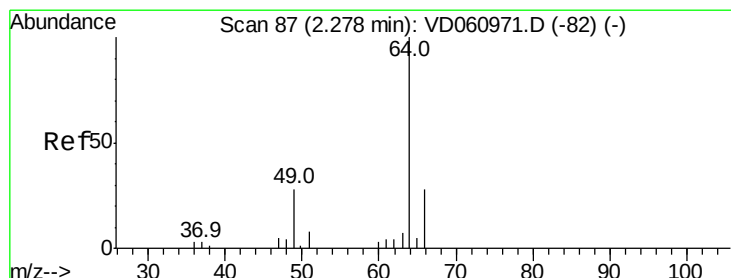
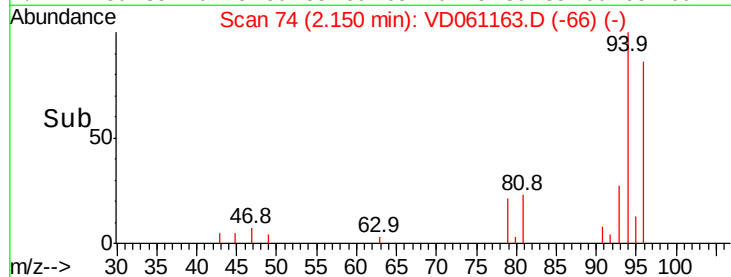
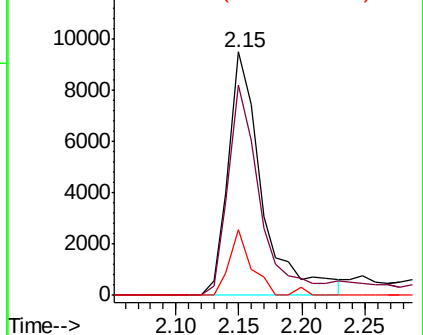
94 100

96 86.5 84.0 126.0

93 27.2 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.329 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061163.D

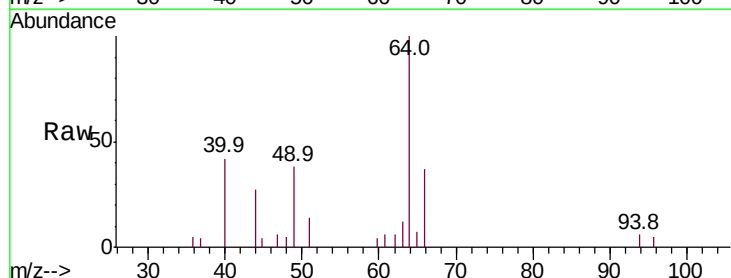
Acq: 19 Mar 2019 1:18

Tgt Ion: 64 Resp: 23736

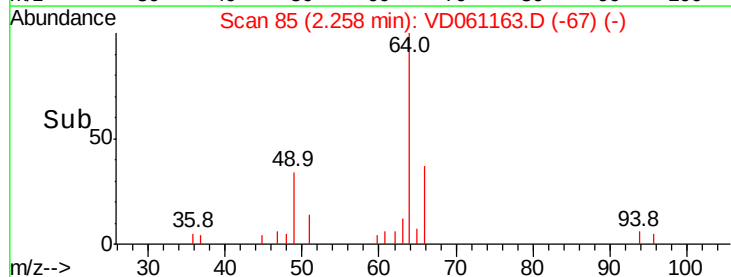
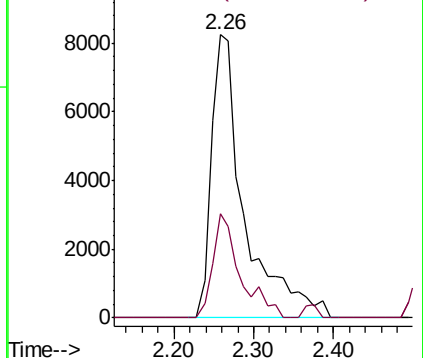
Ion Ratio Lower Upper

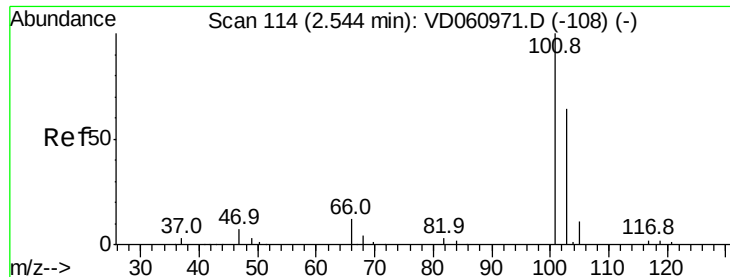
64 100

66 36.6 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



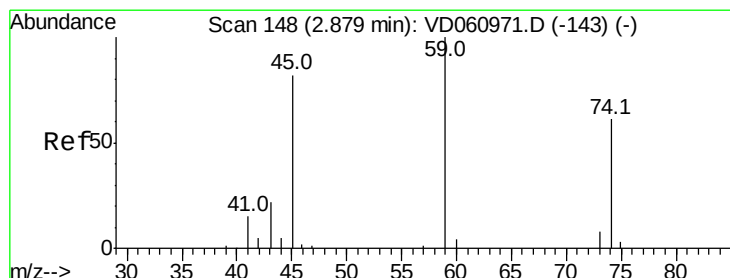
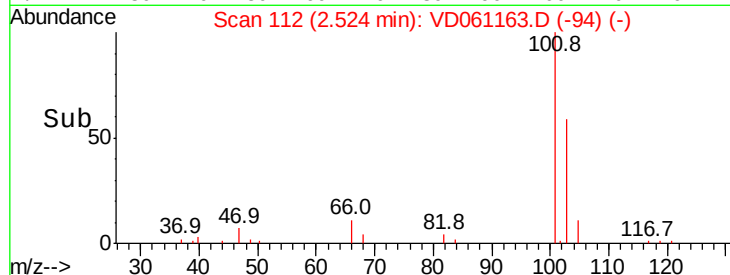
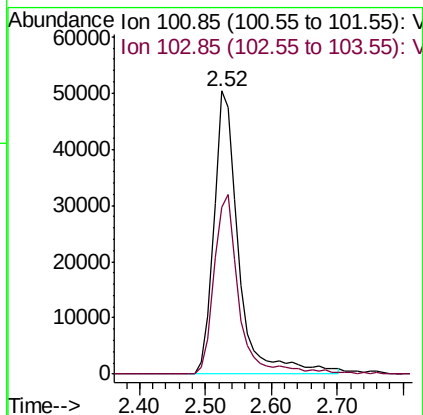
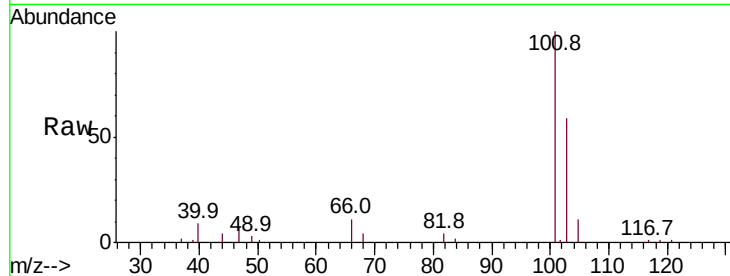


#7

Trichlorofluoromethane
 Concen: 21.090 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBSD02

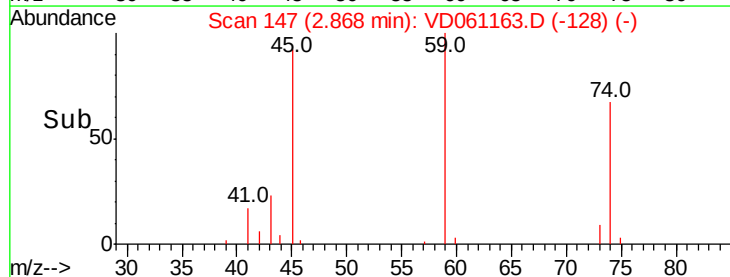
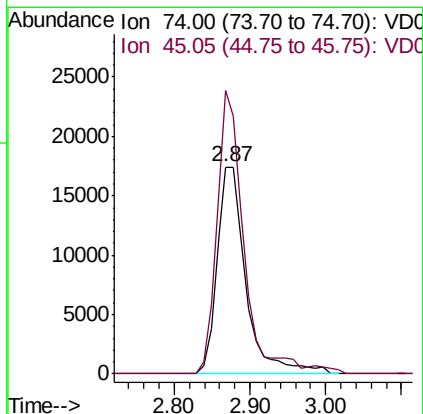
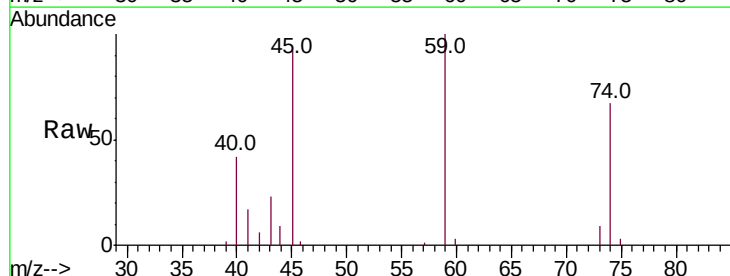
Tot Ion:101 Resp: 131079
 Ion Ratio Lower Upper
 101 100
 103 59.1 51.2 76.8

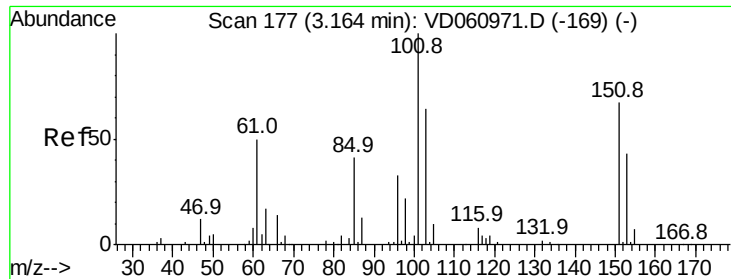


#8

Diethyl Ether
 Concen: 22.523 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion: 74 Resp: 46180
 Ion Ratio Lower Upper
 74 100
 45 136.8 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.817 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

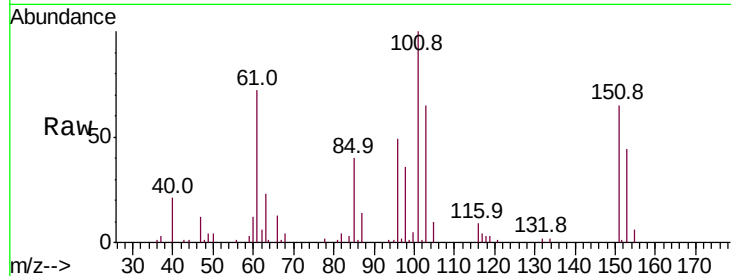
Tot Ion:101 Resp: 151597

Ion Ratio Lower Upper

101 100

85 40.5 32.5 48.7

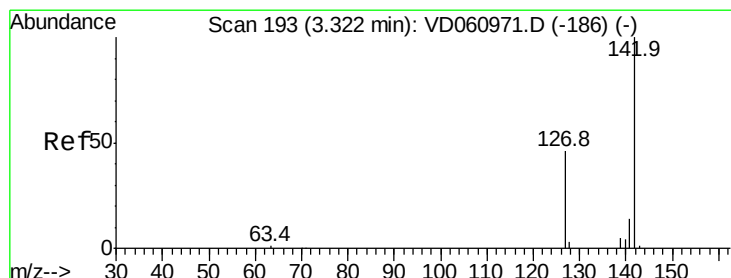
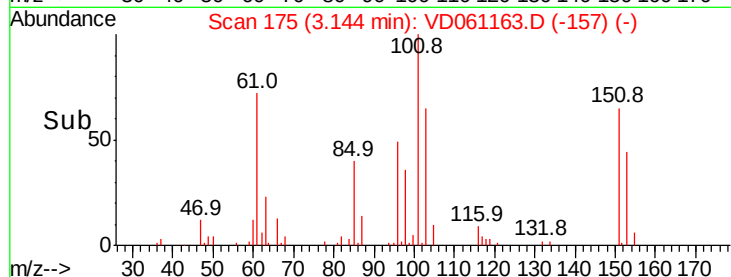
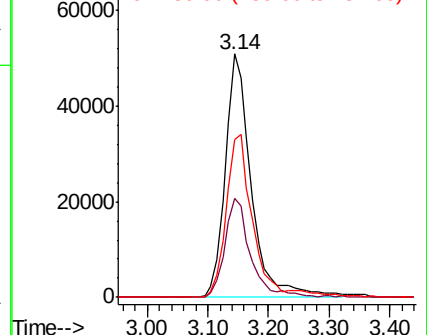
151 64.9 53.3 79.9



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: 21.102 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

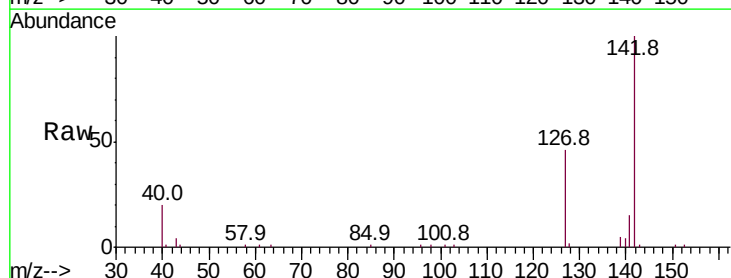
Tgt Ion:142 Resp: 184693

Ion Ratio Lower Upper

142 100

127 45.7 36.8 55.2

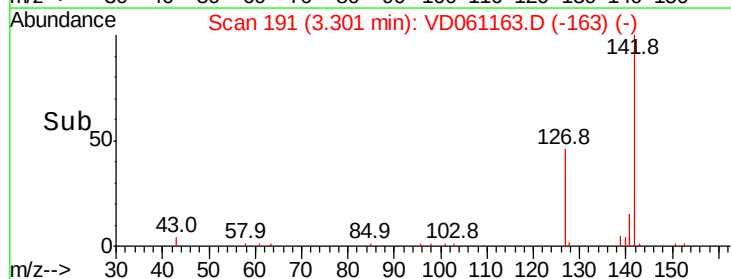
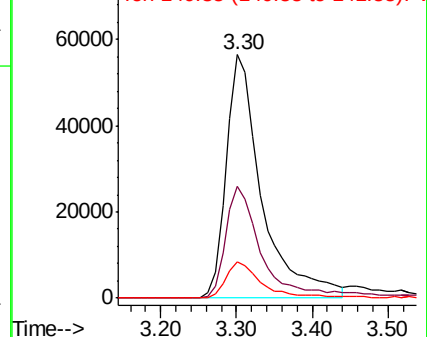
141 14.8 11.2 16.8

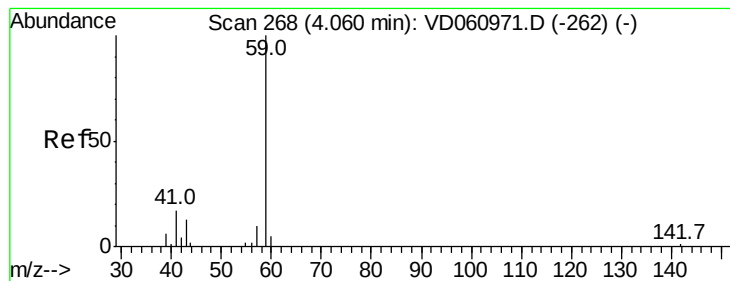


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



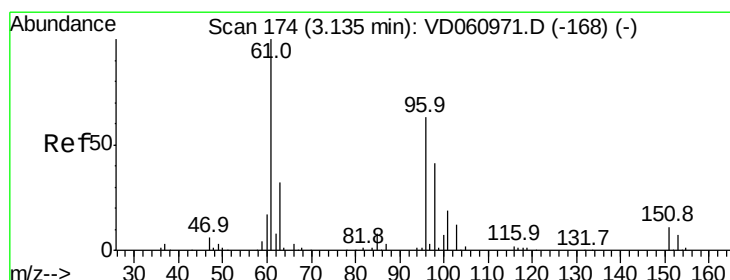
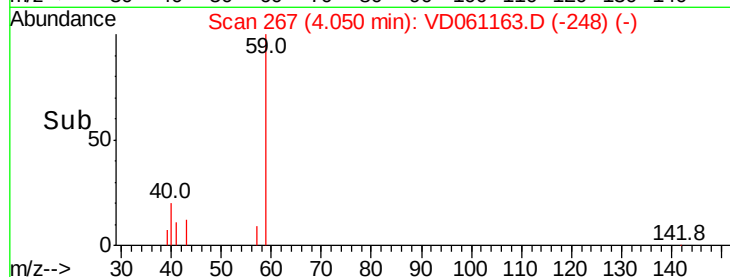
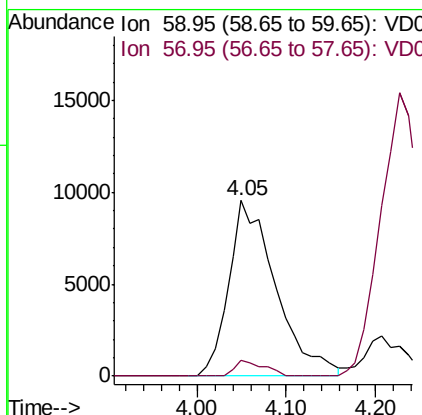
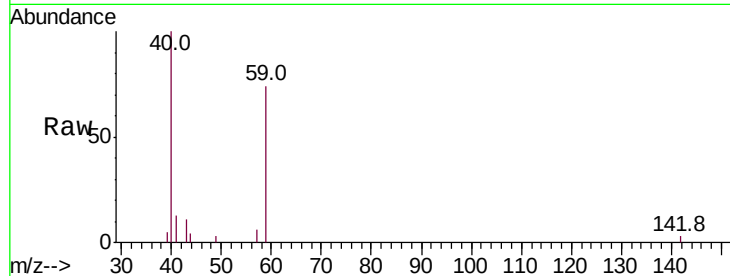


#11

Tert butyl alcohol
Concen: 116.538 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

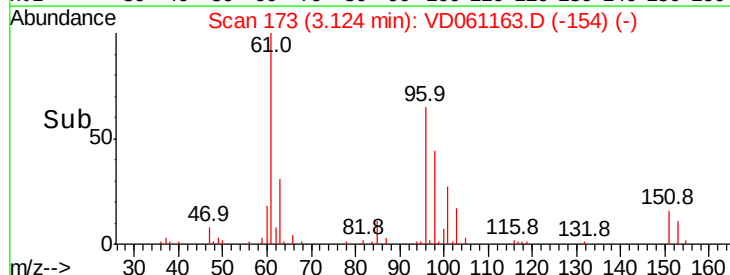
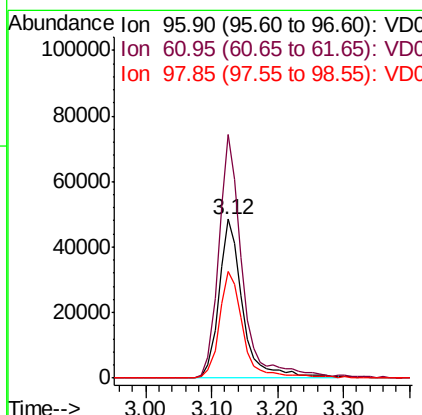
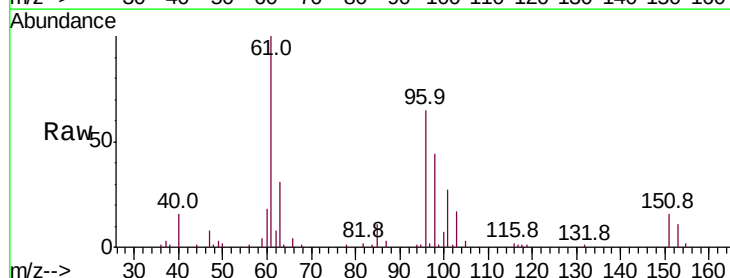
Tot Ion: 59 Resp: 35041
Ion Ratio Lower Upper
59 100
57 8.7 7.1 10.7

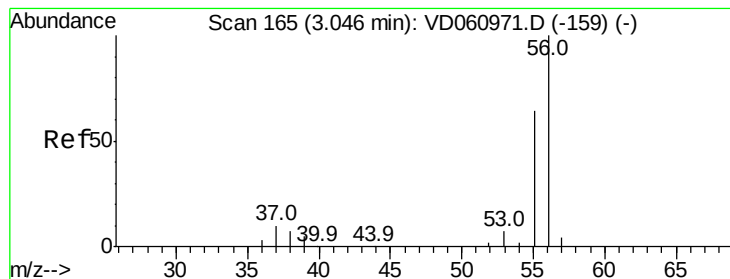


#12

1,1-Dichloroethene
Concen: 21.524 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 96 Resp: 122595
Ion Ratio Lower Upper
96 100
61 153.3 127.1 190.7
98 67.1 51.5 77.3





#13

Acrolein

Concen: 64.432 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

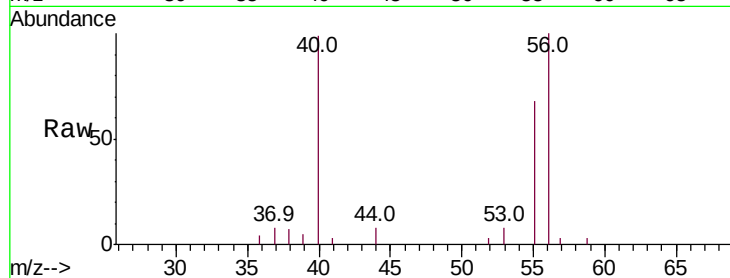
VD0318SBS02

Tot Ion: 56 Resp: 28032

Ion Ratio Lower Upper

56 100

55 67.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

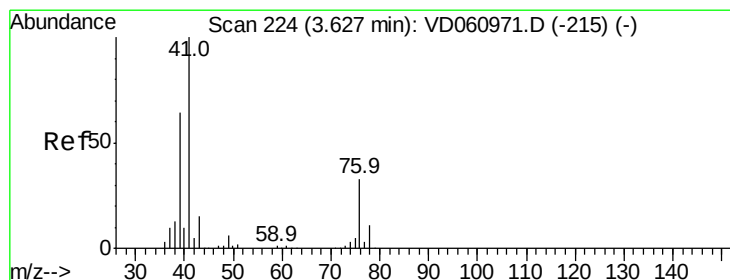
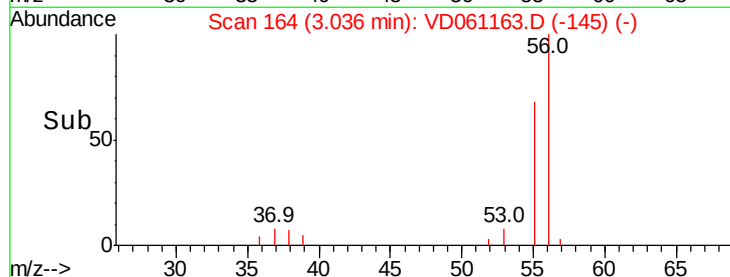
2000

0

Time-->

2.95 3.00 3.05 3.10 3.15

3.04



#14

Allyl chloride

Concen: 20.442 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

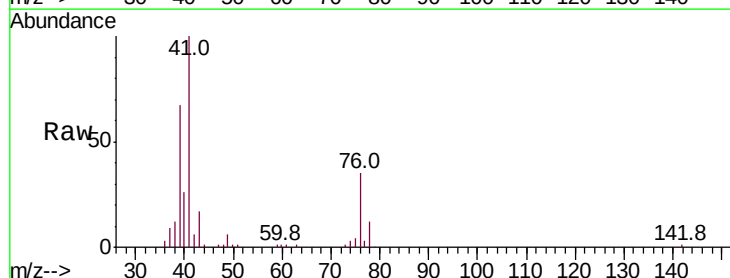
Tgt Ion: 41 Resp: 186292

Ion Ratio Lower Upper

41 100

39 67.0 51.1 76.7

76 35.4 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

80000

60000

40000

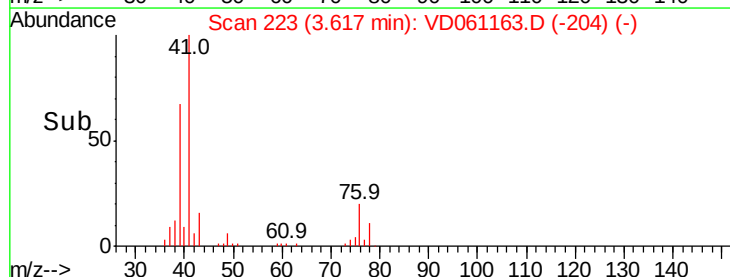
20000

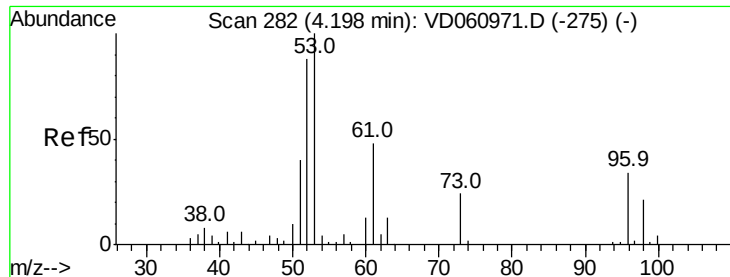
0

Time-->

3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 127.562 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

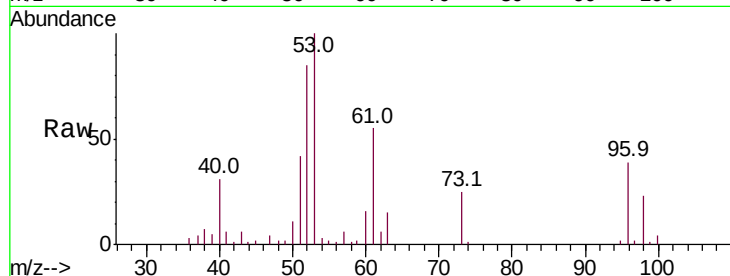
Tot Ion: 53 Resp: 135561

Ion Ratio Lower Upper

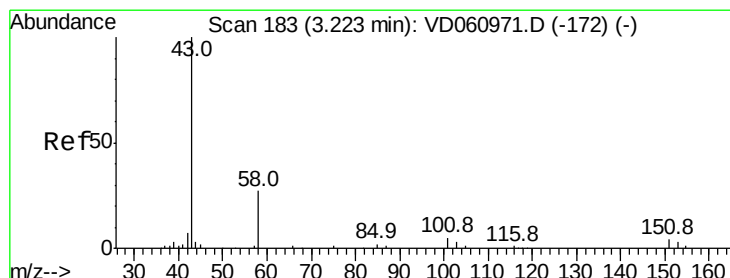
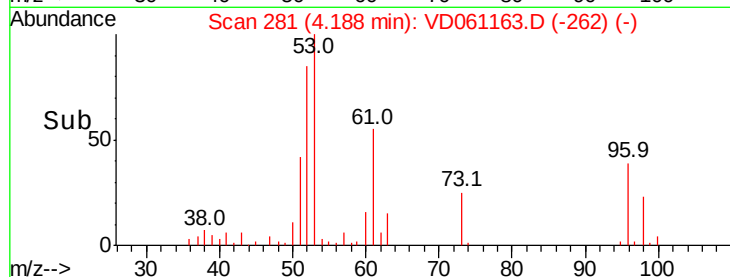
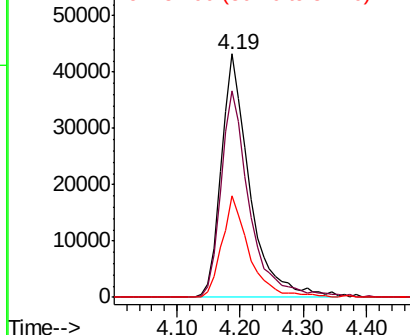
53 100

52 84.6 70.2 105.4

51 41.5 31.7 47.5



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: 94.745 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061163.D

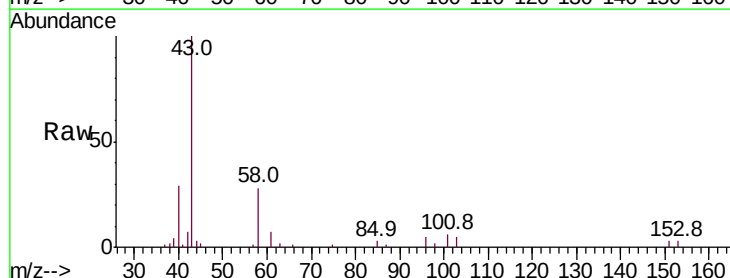
Acq: 19 Mar 2019 1:18

Tgt Ion: 43 Resp: 127965

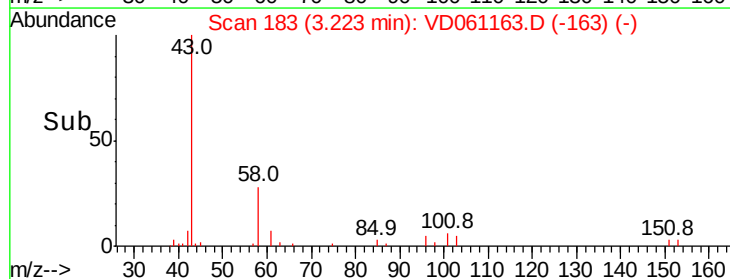
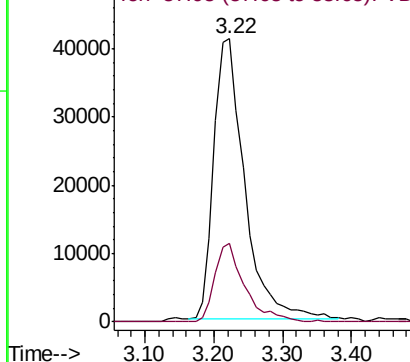
Ion Ratio Lower Upper

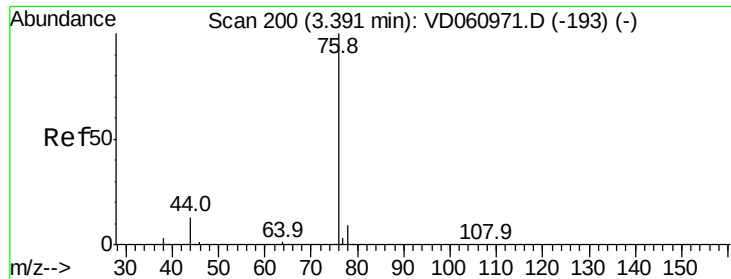
43 100

58 27.7 21.6 32.4



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

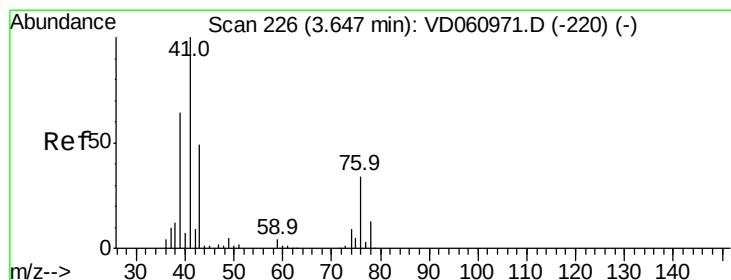
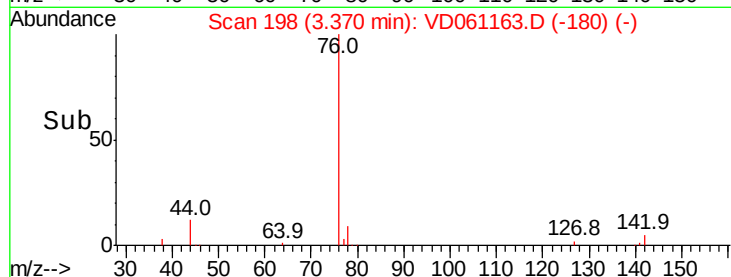
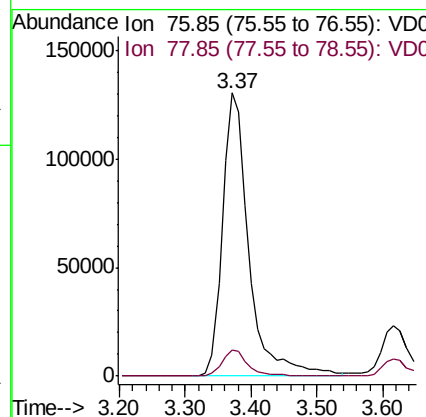
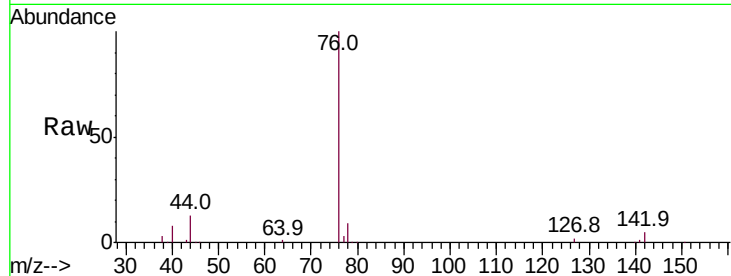




#17
Carbon Disulfide
Concen: 18.928 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

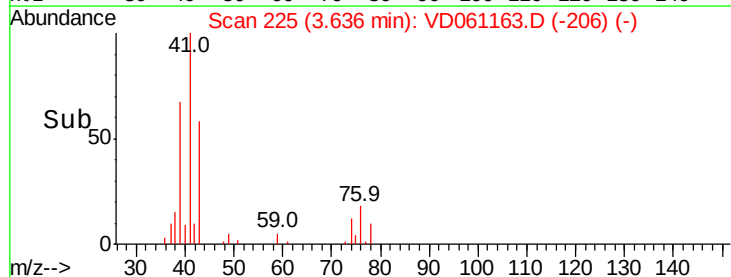
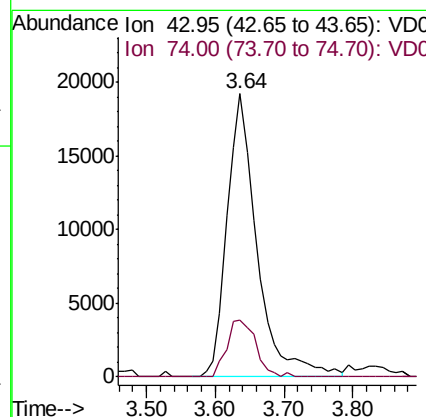
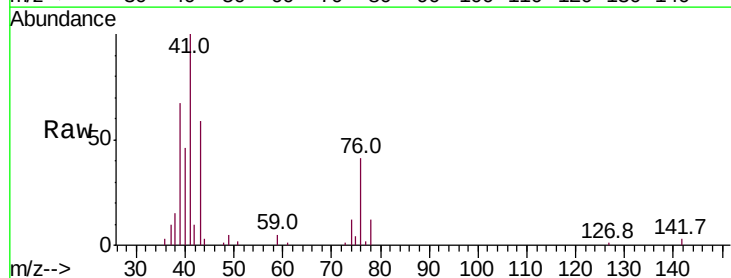
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBSD02

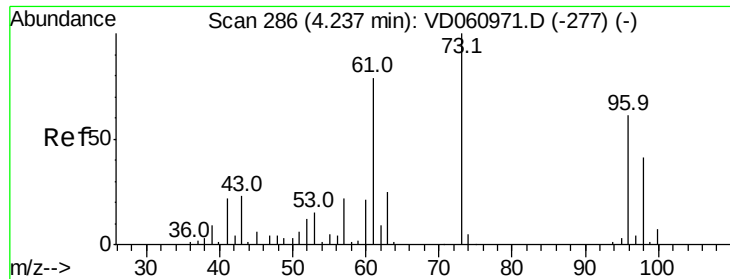
Tot Ion: 76 Resp: 363665
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 21.857 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 43 Resp: 58095
Ion Ratio Lower Upper
43 100
74 20.3 14.6 21.8

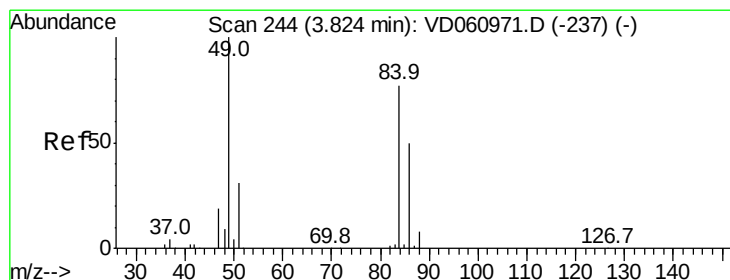
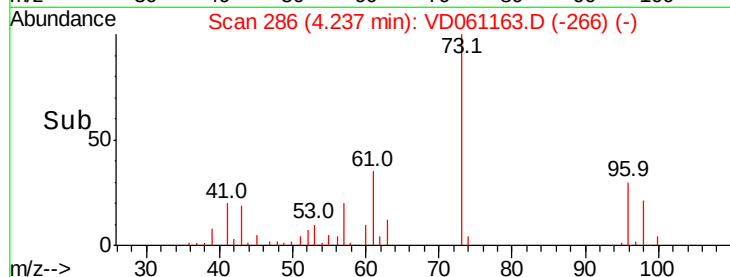
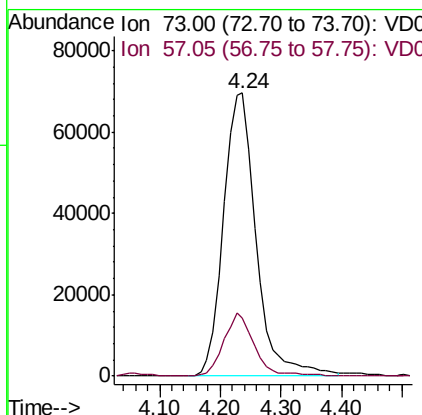
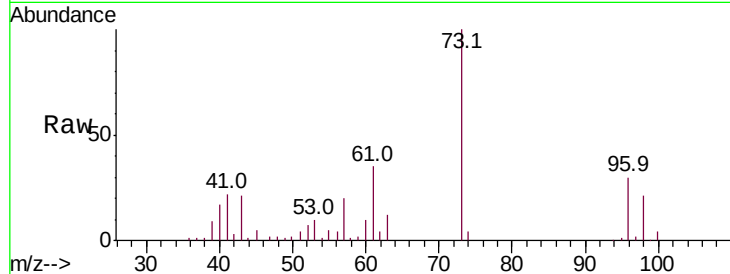




#19
Methyl tert-butyl Ether
Concen: 26.084 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

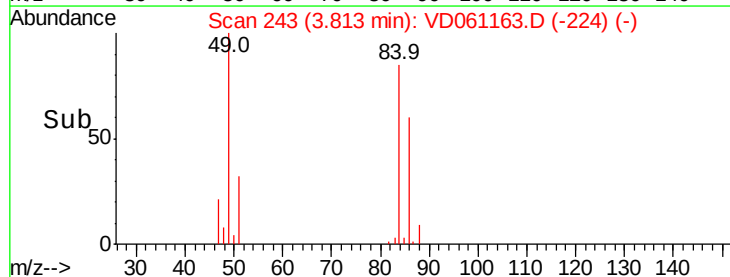
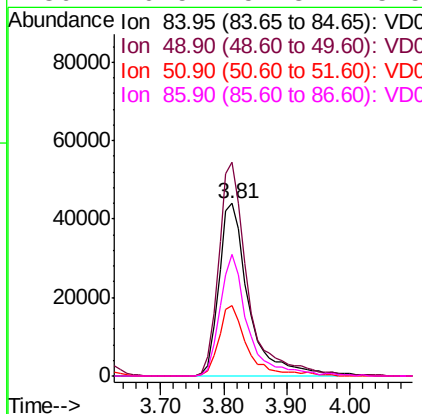
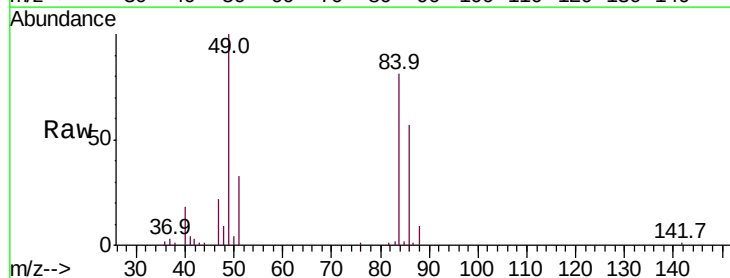
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

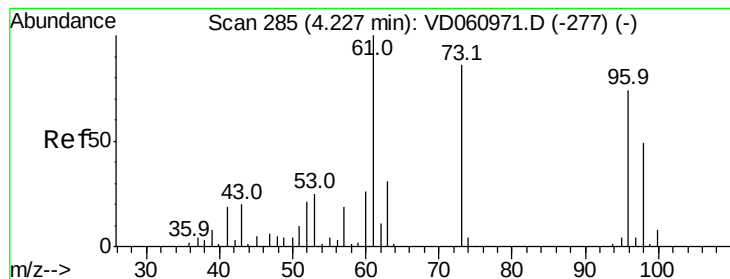
Tot Ion: 73 Resp: 260368
Ion Ratio Lower Upper
73 100
57 20.3 17.7 26.5



#20
Methylene Chloride
Concen: 20.799 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 84 Resp: 144859
Ion Ratio Lower Upper
84 100
49 123.8 104.2 156.2
51 40.6 32.3 48.5
86 70.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 23.120 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

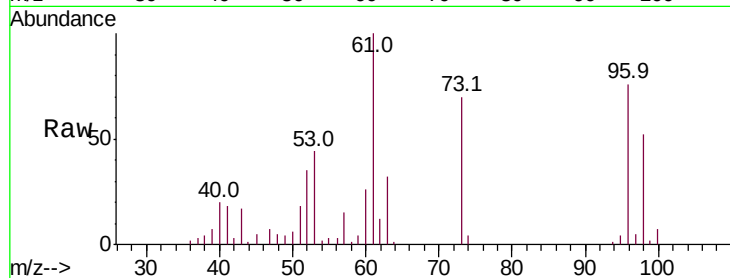
Tot Ion: 96 Resp: 142533

Ion Ratio Lower Upper

96 100

61 132.3 108.4 162.6

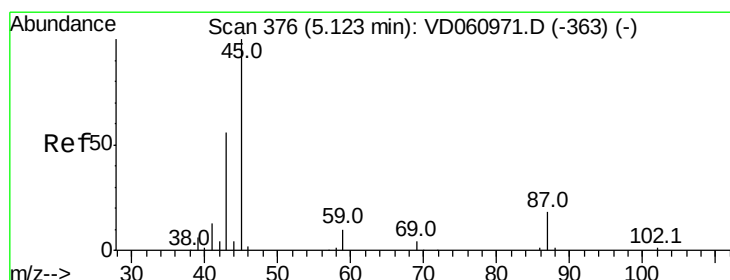
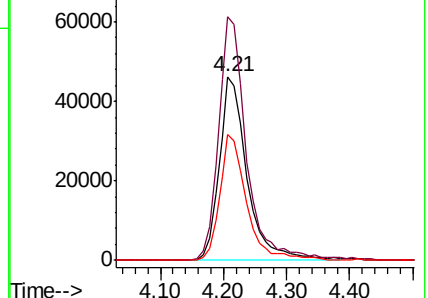
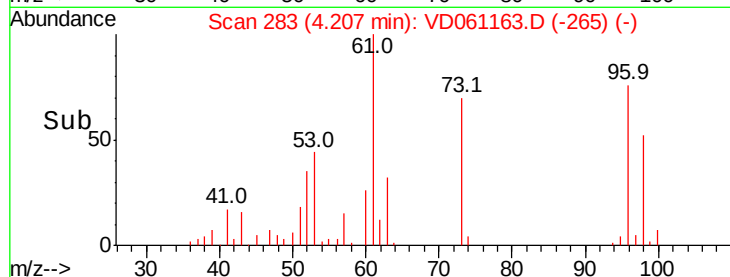
98 68.6 53.0 79.4



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: 21.792 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Tgt Ion: 45 Resp: 412268

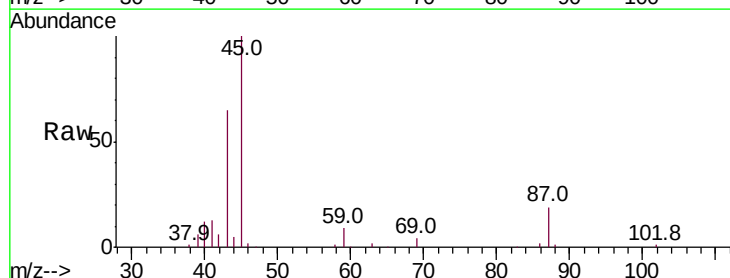
Ion Ratio Lower Upper

45 100

43 65.5 45.8 68.8

87 19.4 14.9 22.3

59 9.2 8.0 12.0

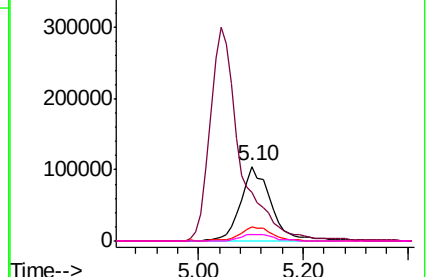
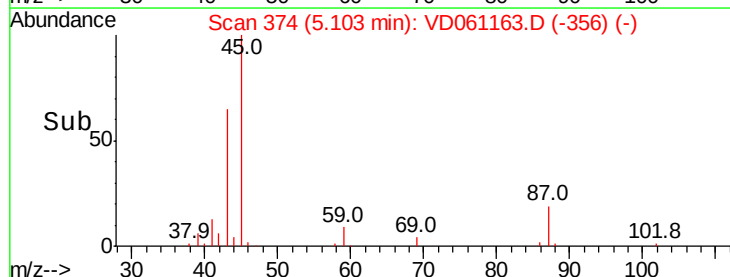


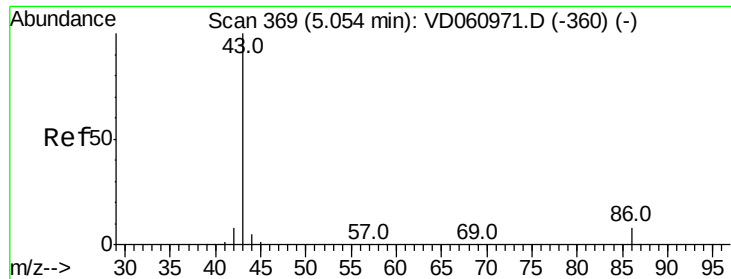
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 122.721 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

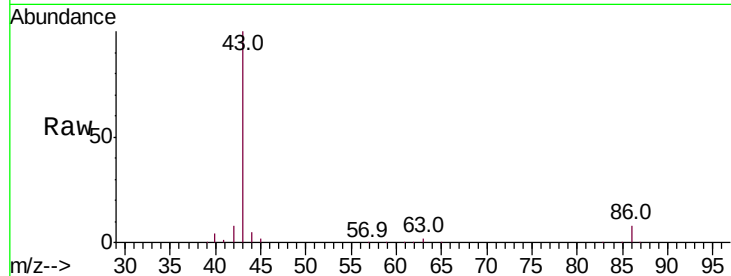
VD0318SBS02

Tot Ion: 43 Resp: 1191808

Ion Ratio Lower Upper

43 100

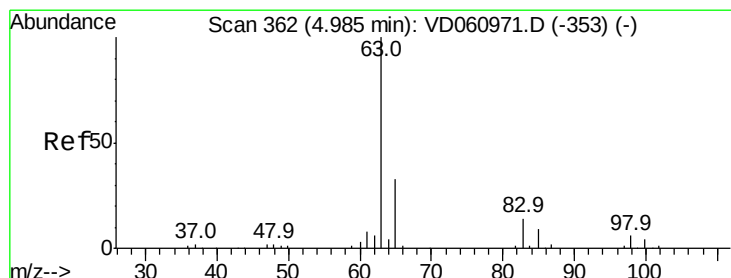
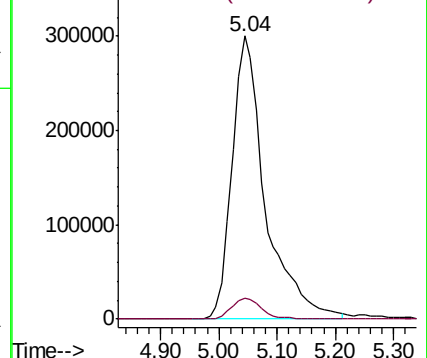
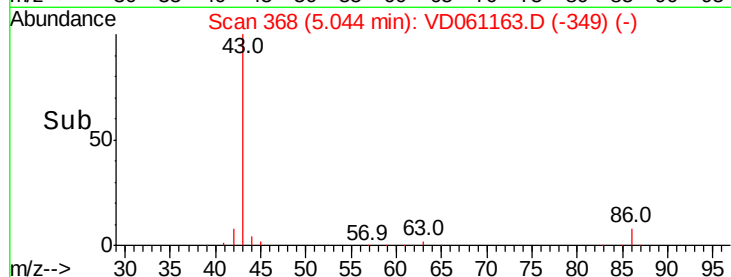
86 7.6 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VD061163.D (-368) (-)

Ion 86.00 (85.70 to 86.70): VD061163.D (-368) (-)

Time-->



#24

1,1-Dichloroethane

Concen: 22.742 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

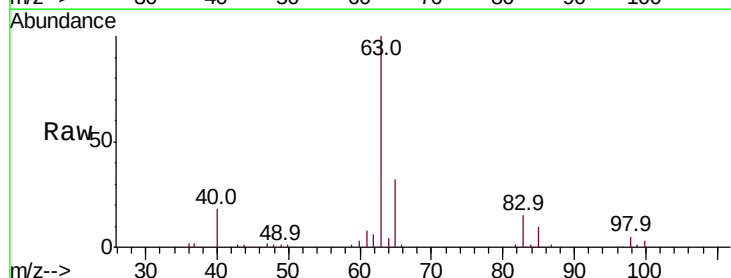
Tgt Ion: 63 Resp: 235721

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 2.8 2.0 5.8

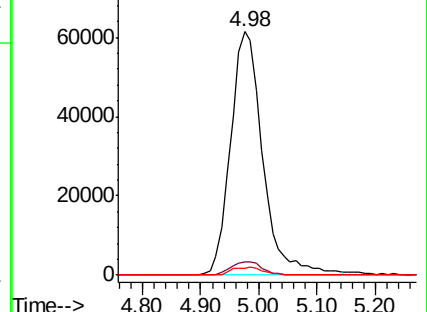
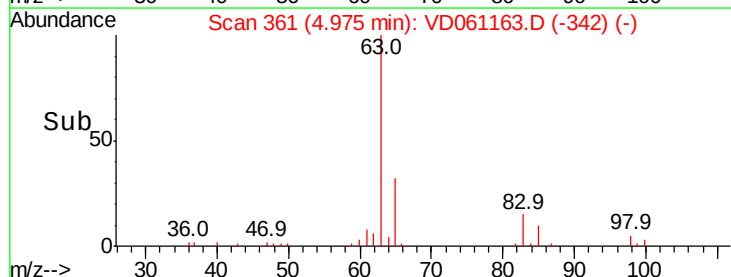


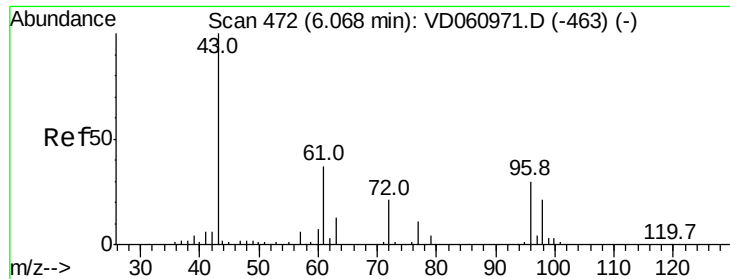
Abundance Ion 62.95 (62.65 to 63.65): VD061163.D (-361) (-)

Ion 97.95 (97.65 to 98.65): VD061163.D (-361) (-)

Ion 99.95 (99.65 to 100.65): VD061163.D (-361) (-)

Time-->





#25

2-Butanone

Concen: 112.376 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

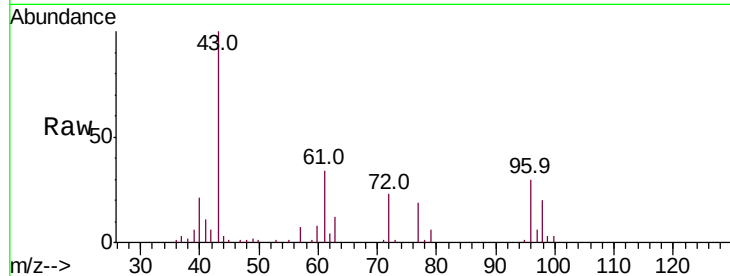
VD0318SBS02

Tot Ion: 43 Resp: 172225

Ion Ratio Lower Upper

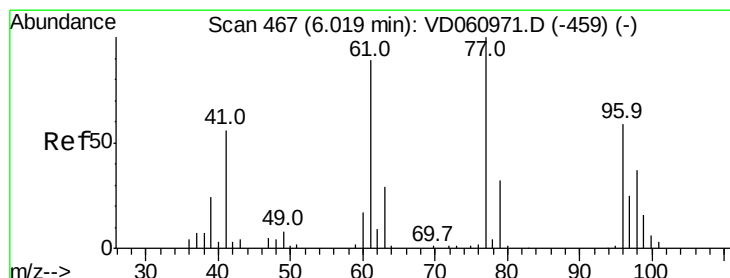
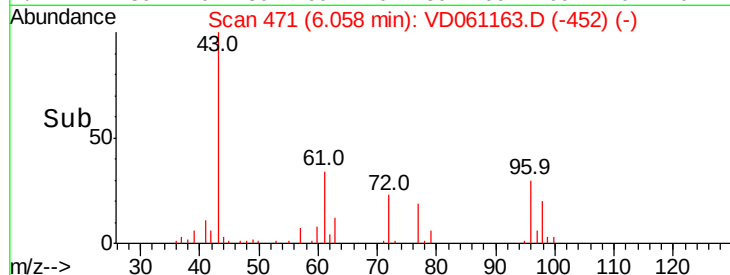
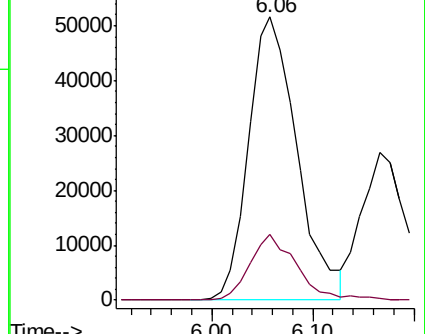
43 100

72 23.2 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.739 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061163.D

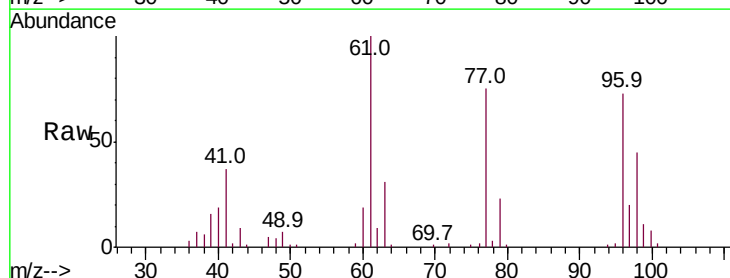
Acq: 19 Mar 2019 1:18

Tgt Ion: 77 Resp: 167811

Ion Ratio Lower Upper

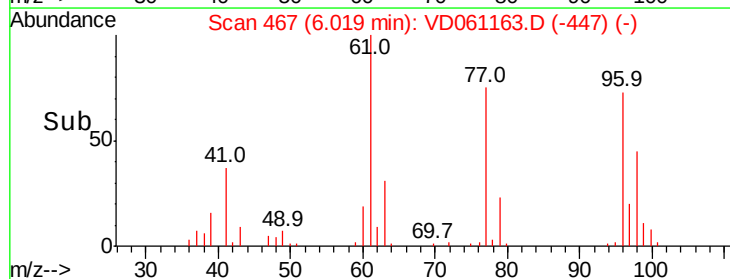
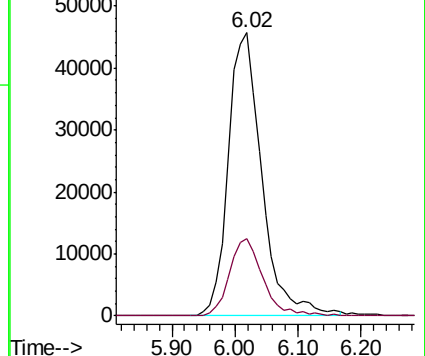
77 100

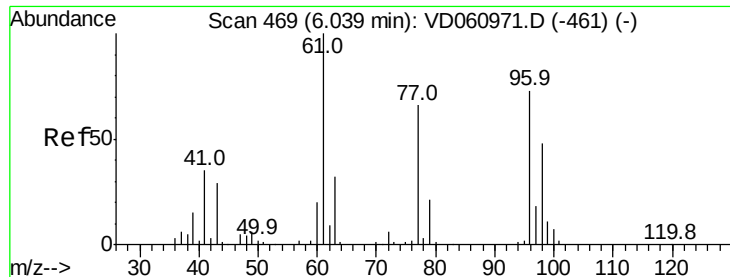
97 27.2 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 24.277 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

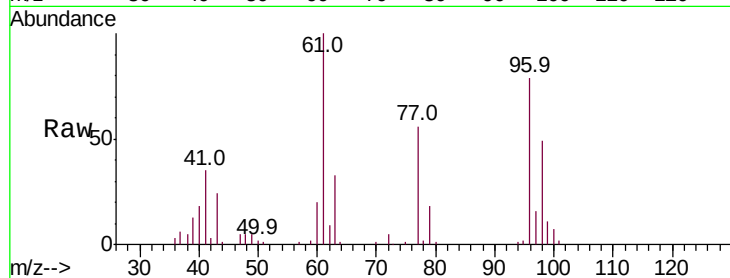
Tot Ion: 96 Resp: 158791

Ion Ratio Lower Upper

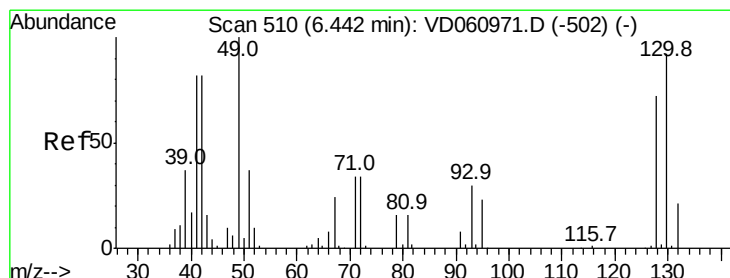
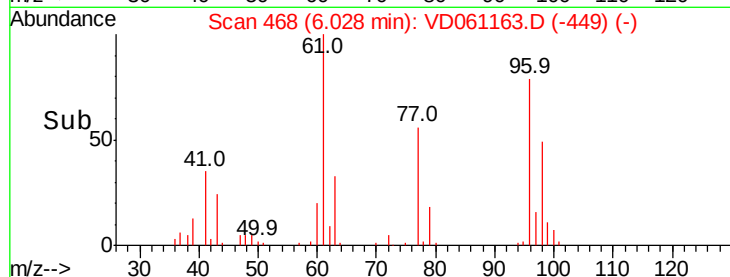
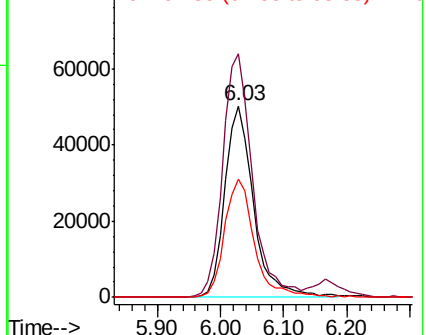
96 100

61 127.1 0.0 273.6

98 61.9 0.0 132.6



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



#28

Bromochloromethane

Concen: 18.305 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

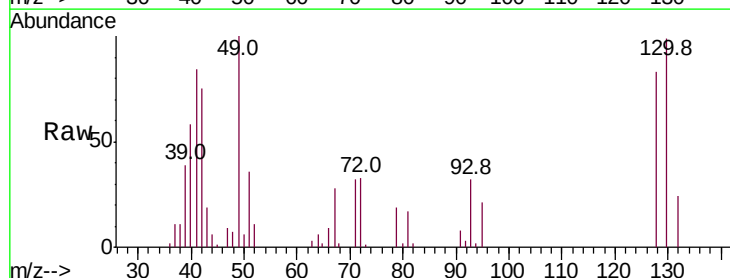
Tgt Ion: 49 Resp: 80322

Ion Ratio Lower Upper

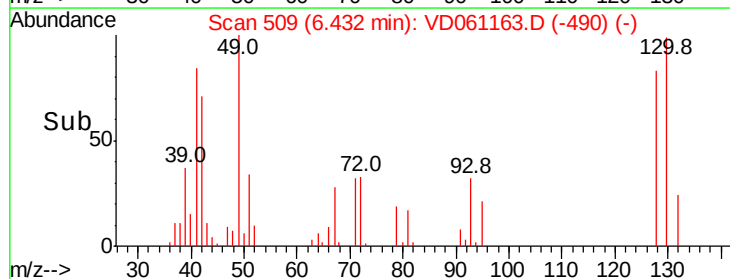
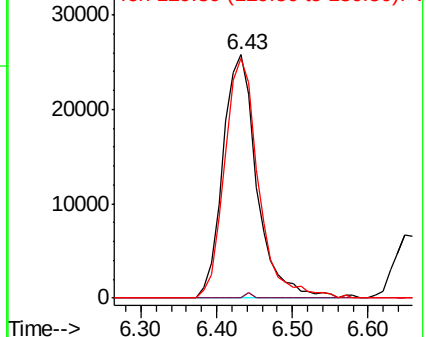
49 100

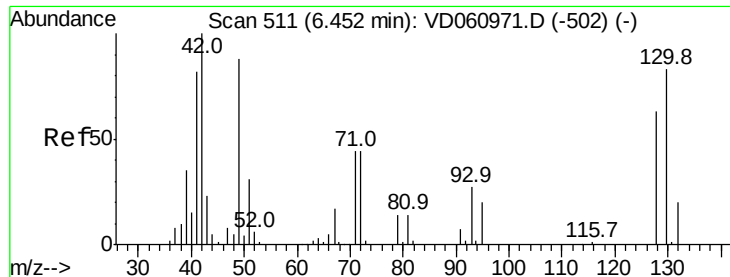
129 0.0 0.0 4.0

130 98.7 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 100.949 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

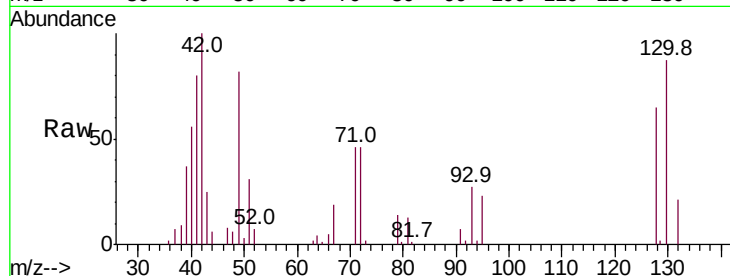
Tot Ion: 42 Resp: 84009

Ion Ratio Lower Upper

42 100

72 46.0 34.5 51.7

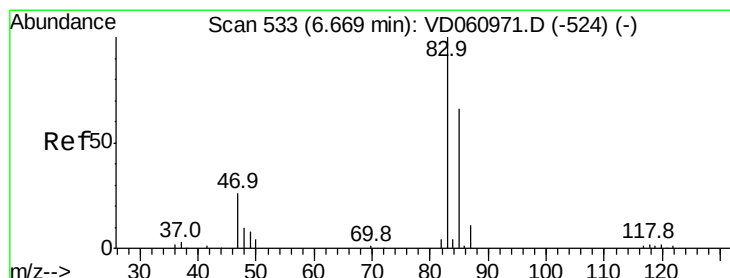
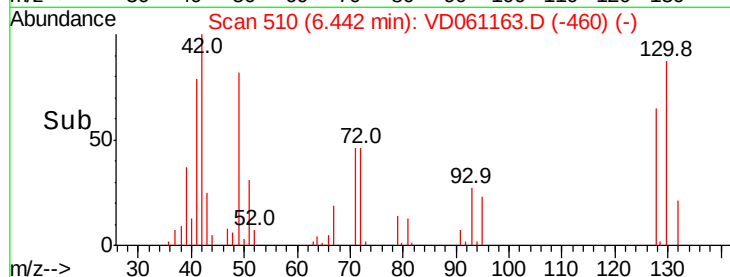
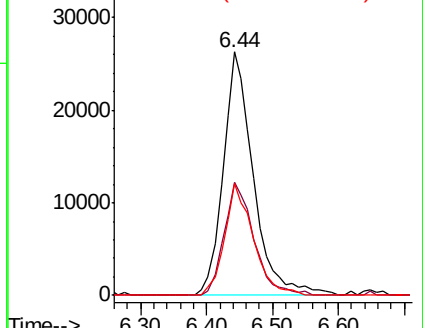
71 43.8 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 23.208 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061163.D

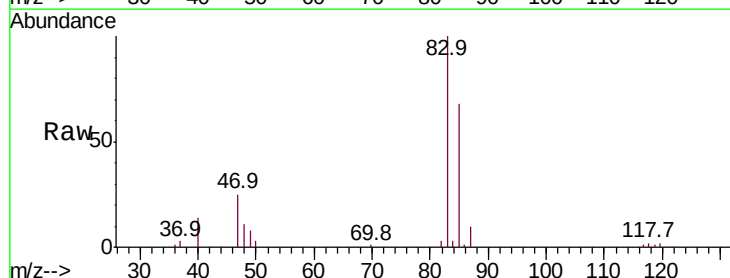
Acq: 19 Mar 2019 1:18

Tgt Ion: 83 Resp: 249313

Ion Ratio Lower Upper

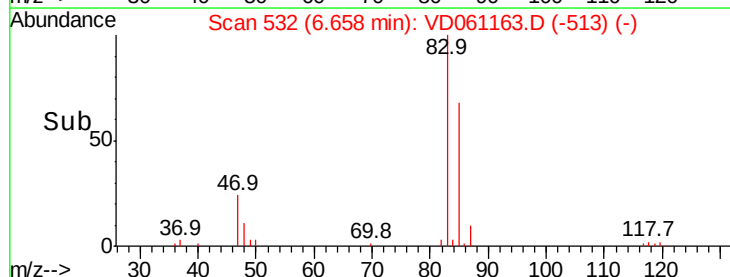
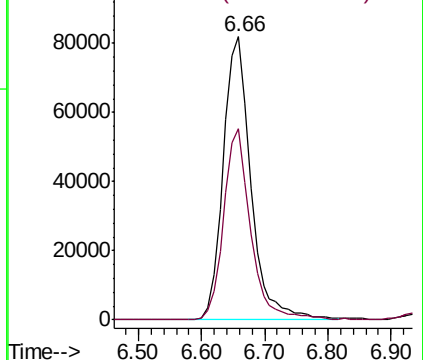
83 100

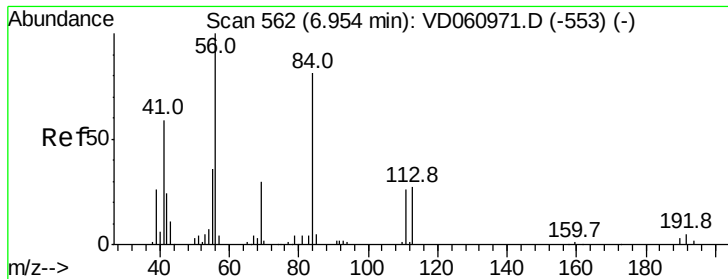
85 67.6 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

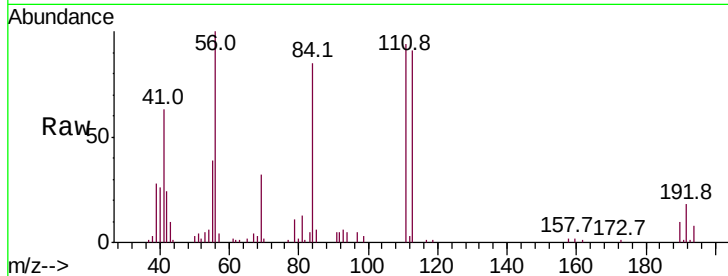




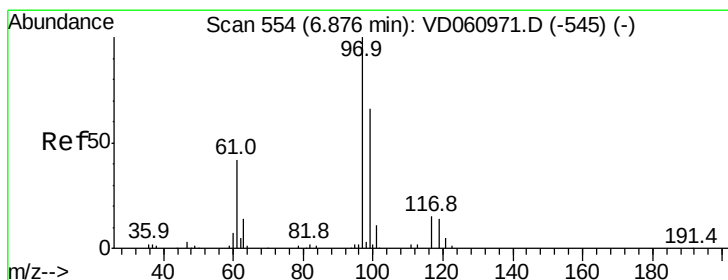
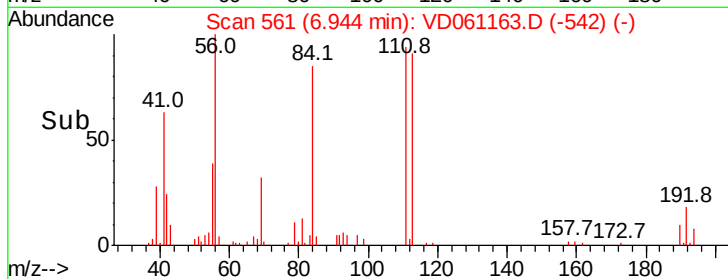
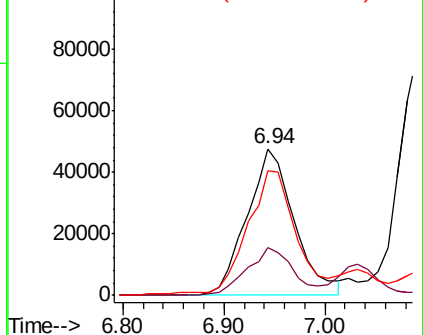
#31
Cyclohexane
Concen: 18.468 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBSD02

Tot Ion: 56 Resp: 154350
Ion Ratio Lower Upper
56 100
69 32.2 24.0 36.0
84 85.2 65.8 98.6

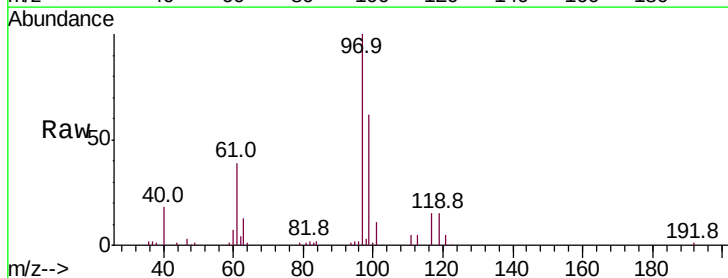


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

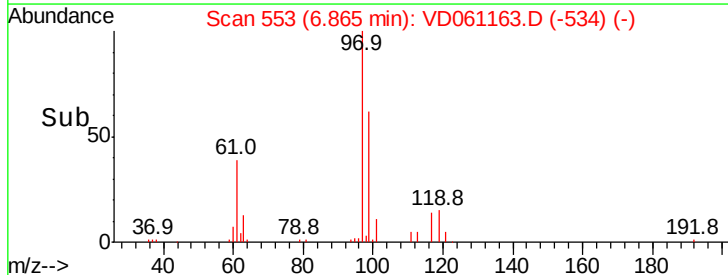
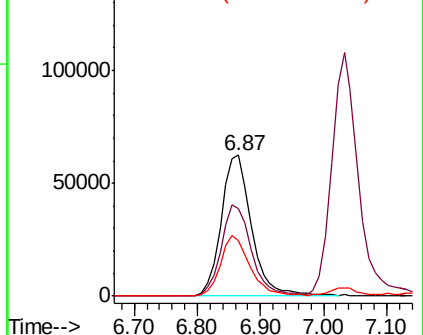


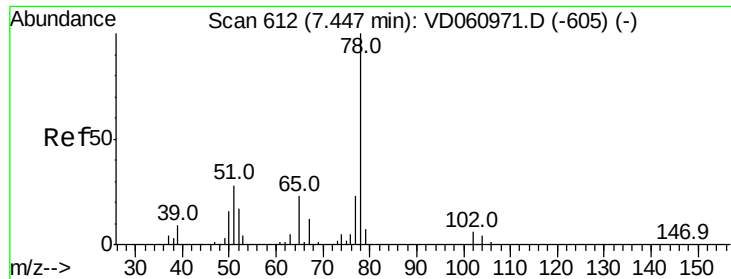
#32
1,1,1-Trichloroethane
Concen: 22.448 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 97 Resp: 208492
Ion Ratio Lower Upper
97 100
99 61.9 53.2 79.8
61 39.4 33.8 50.8



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

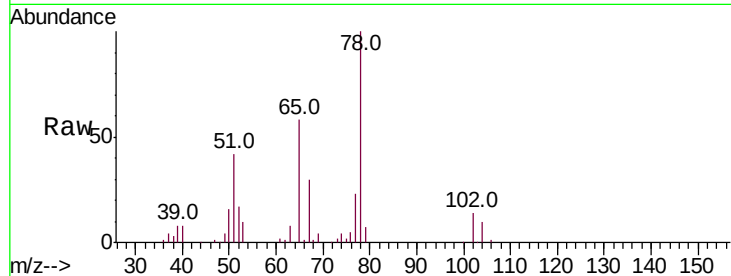




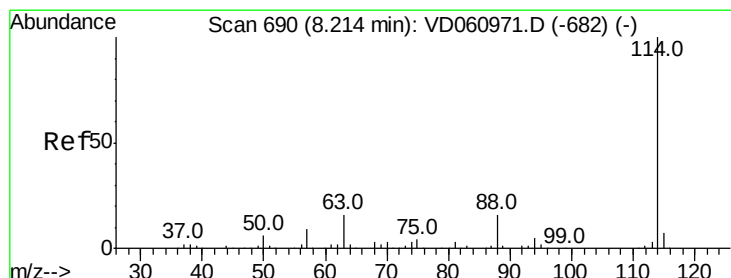
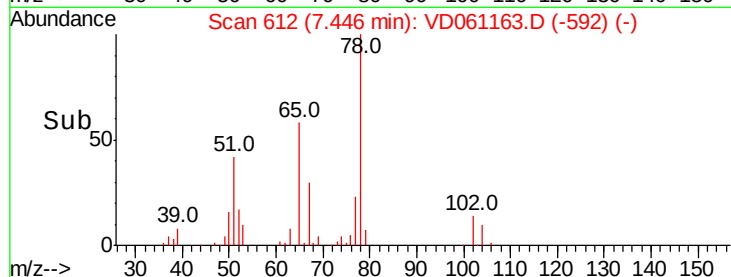
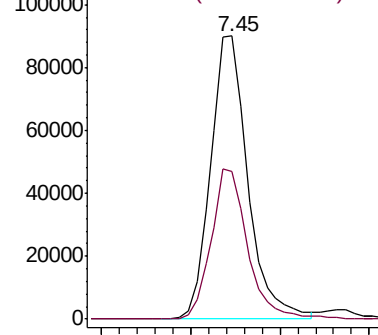
#33
 1,2-Dichloroethane-d4
 Concen: 22.448 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Tot Ion: 65 Resp: 261068
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2

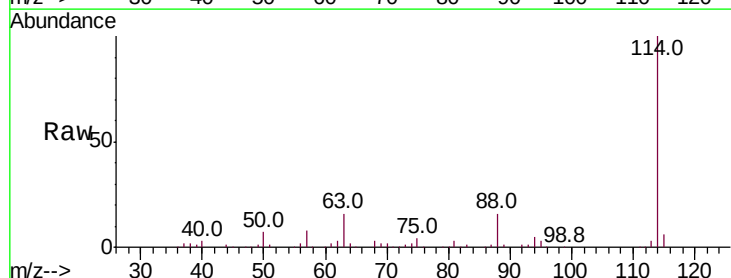


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

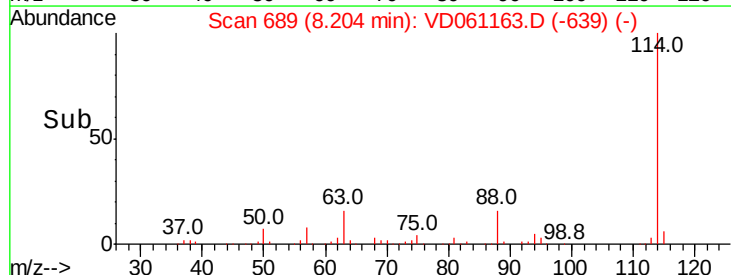
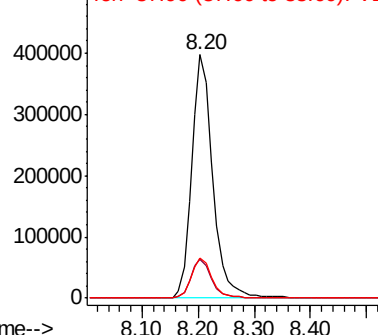


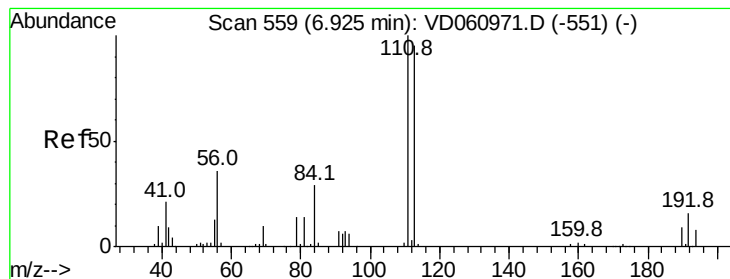
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion:114 Resp: 1040039
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.4
 88 16.3 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBSD02

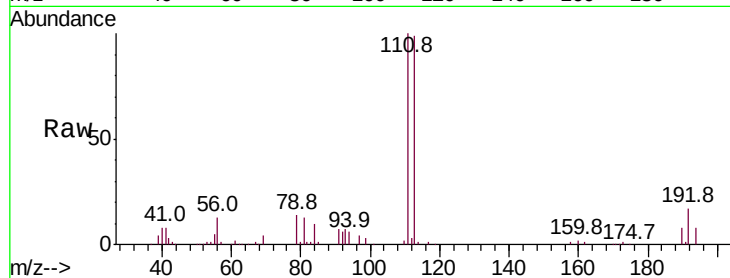
Tot Ion:113 Resp: 413211

Ion Ratio Lower Upper

113 100

111 101.3 84.2 126.4

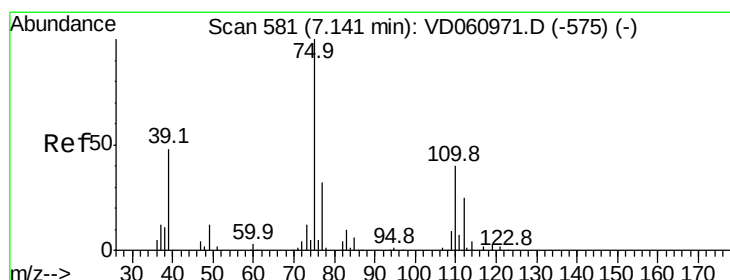
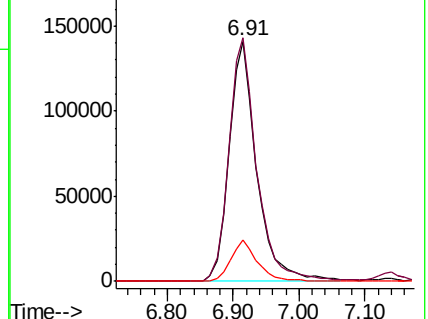
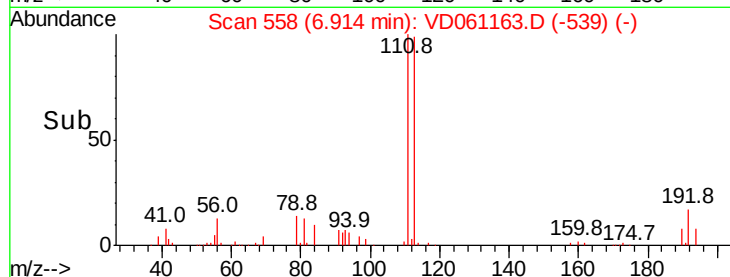
192 17.2 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.290 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

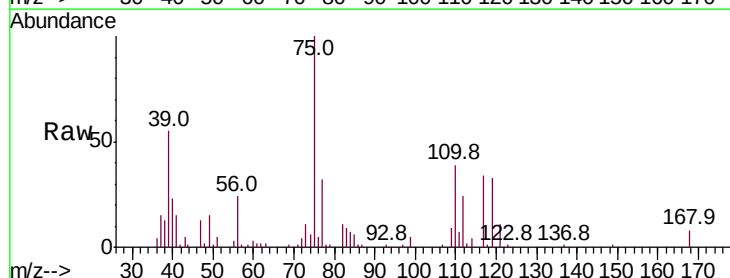
Tgt Ion: 75 Resp: 181902

Ion Ratio Lower Upper

75 100

110 39.2 19.7 59.1

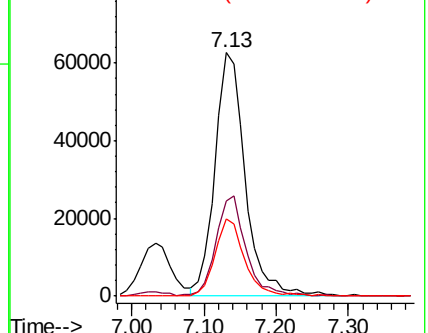
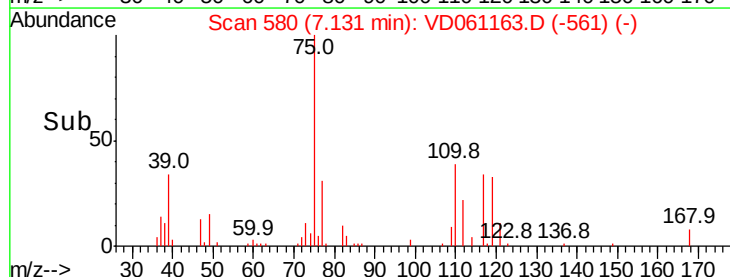
77 31.9 24.7 37.1

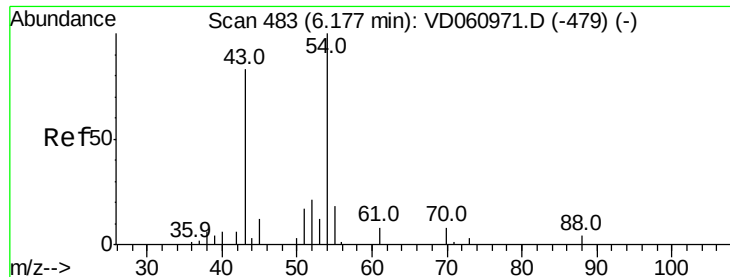


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

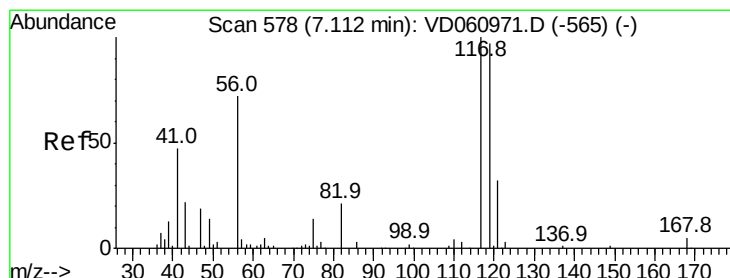
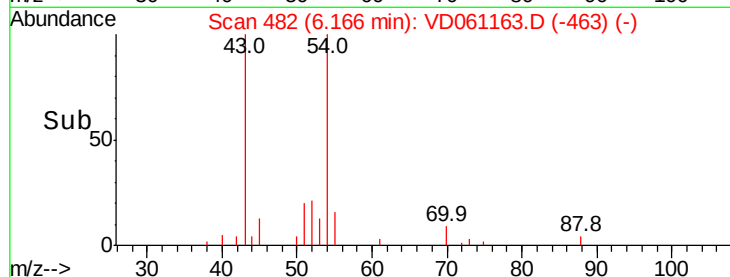
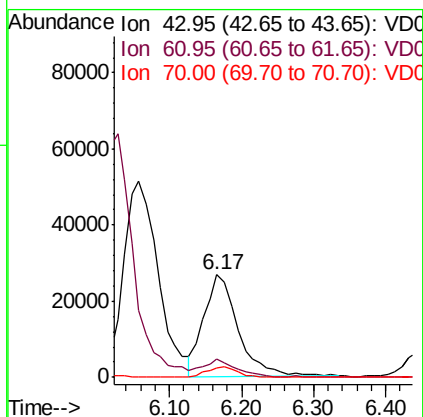
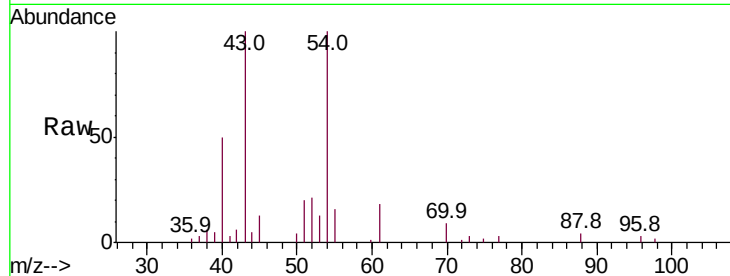




#37
Ethyl Acetate
Concen: 20.783 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

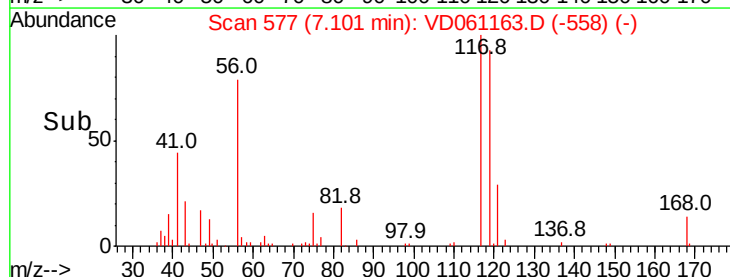
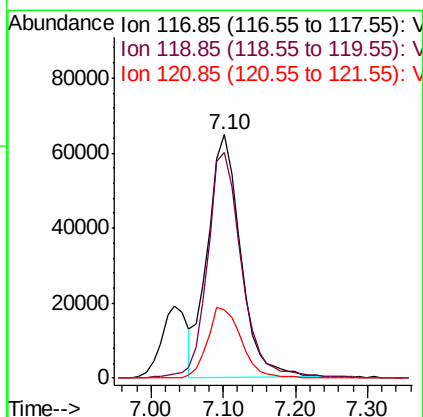
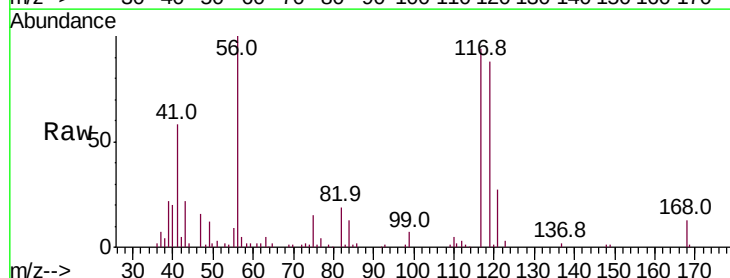
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

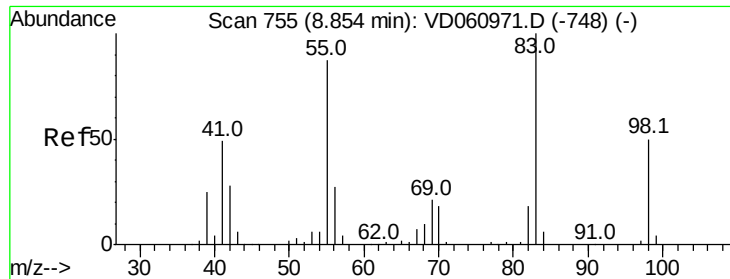
Tot Ion: 43 Resp: 87433
Ion Ratio Lower Upper
43 100
61 18.1 13.7 20.5
70 9.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 20.669 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 117 Resp: 204108
Ion Ratio Lower Upper
117 100
119 92.8 77.8 116.8
121 28.2 25.3 37.9

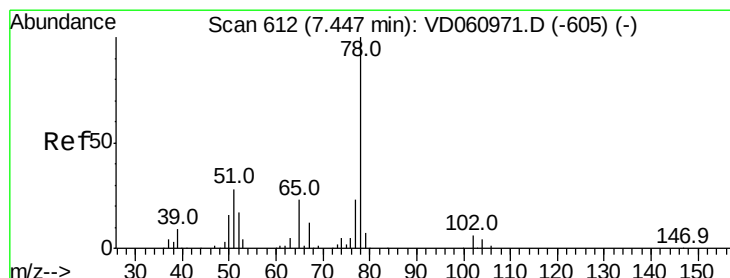
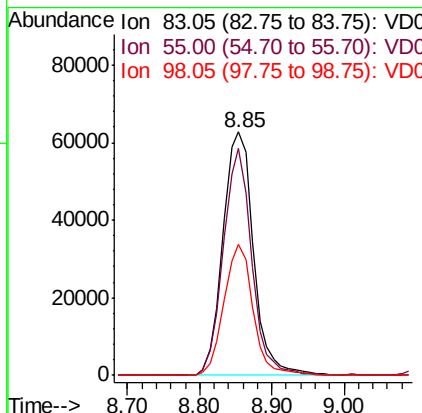
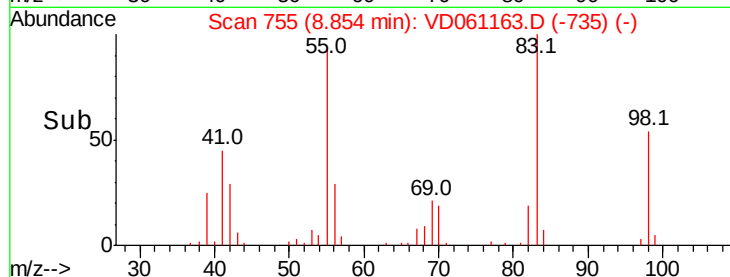
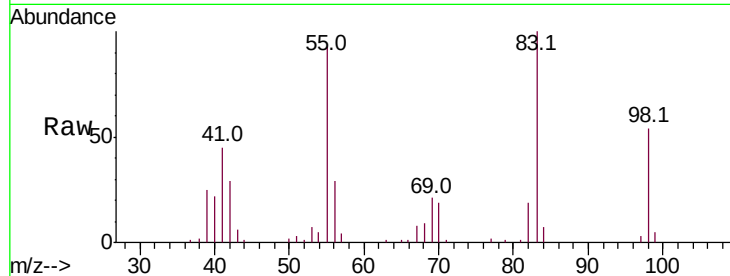




#39
Methylvlcyclohexane
Concen: 19.907 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

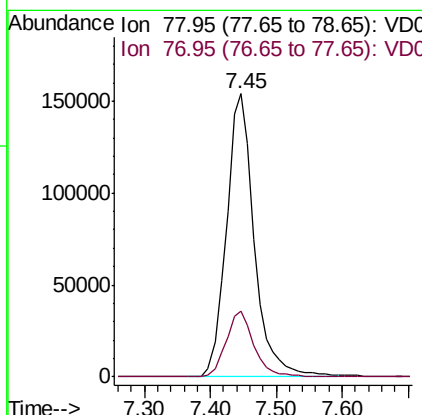
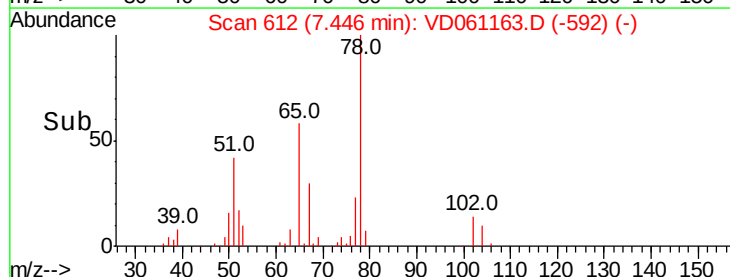
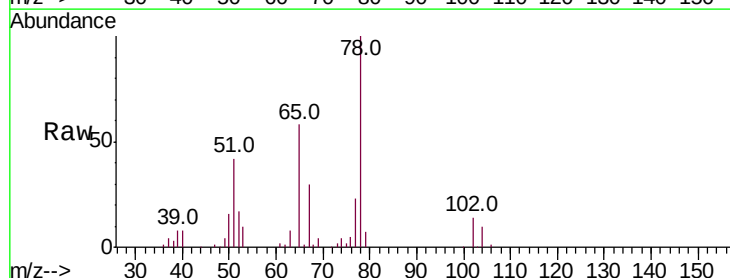
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

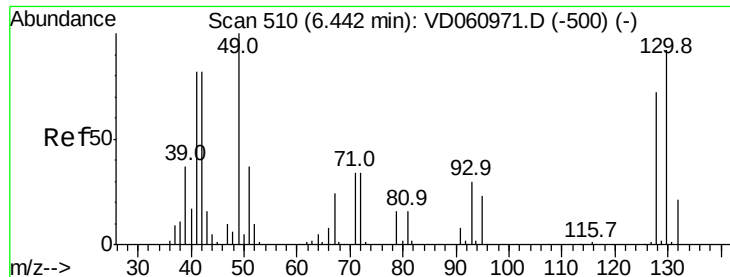
Tot Ion: 83 Resp: 185056
Ion Ratio Lower Upper
83 100
55 93.1 69.6 104.4
98 54.0 40.0 60.0



#40
Benzene
Concen: 20.339 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 78 Resp: 455612
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

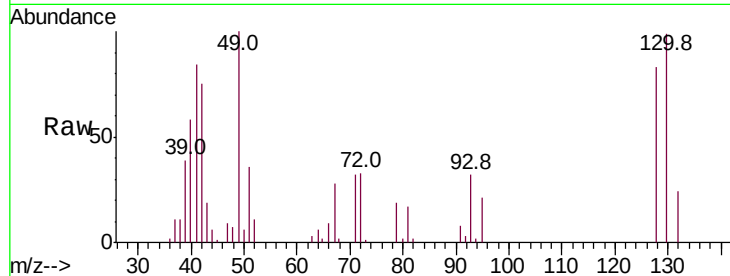




#41
Methacrylonitrile
Concen: 18.964 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.8	35.7	53.5
67	33.3	23.0	34.6
52	13.6	9.2	13.8



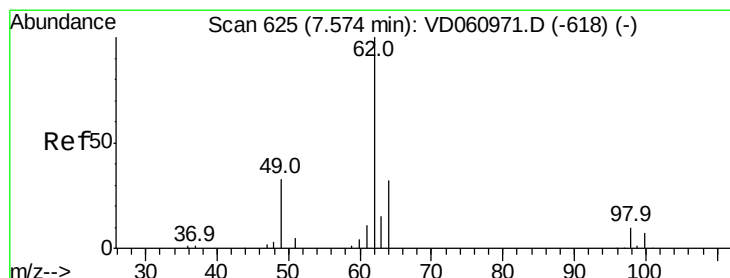
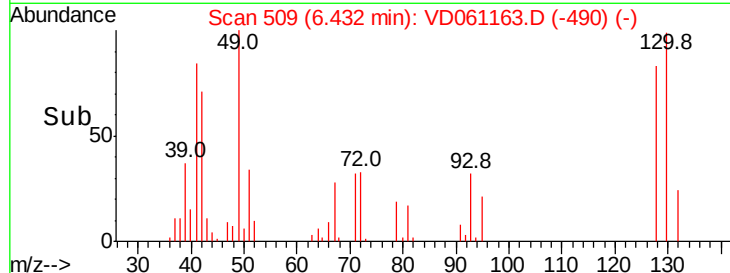
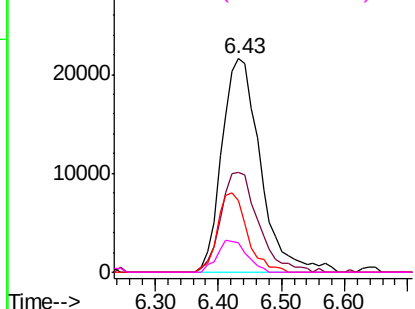
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

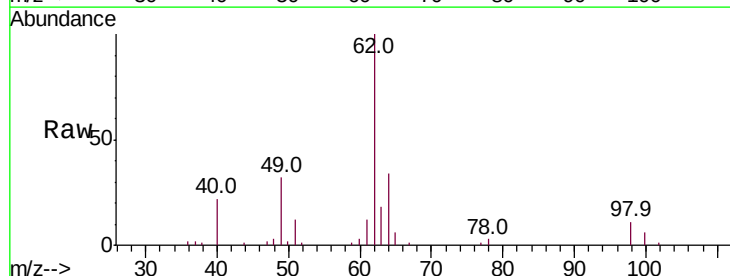
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 22.737 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

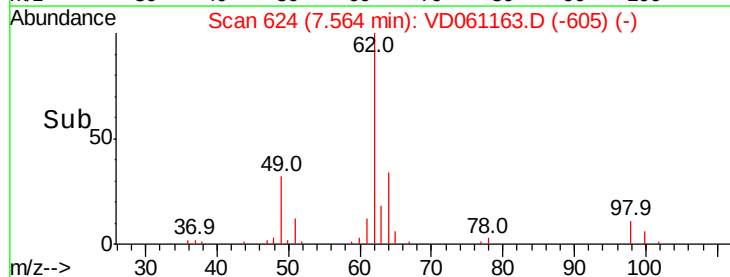
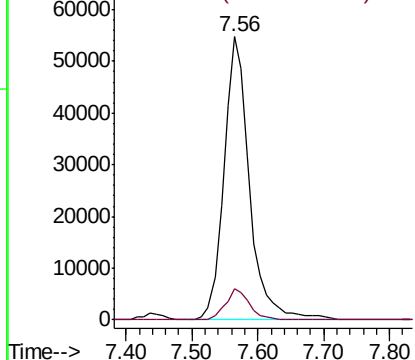
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.4

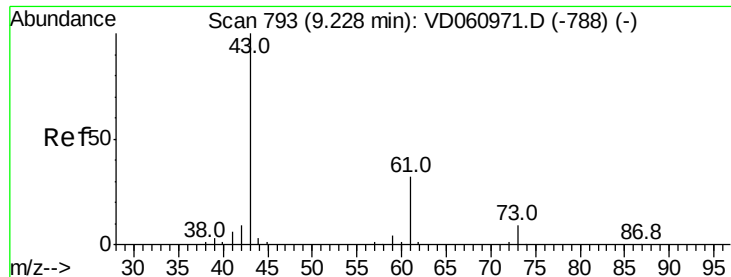


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.492 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

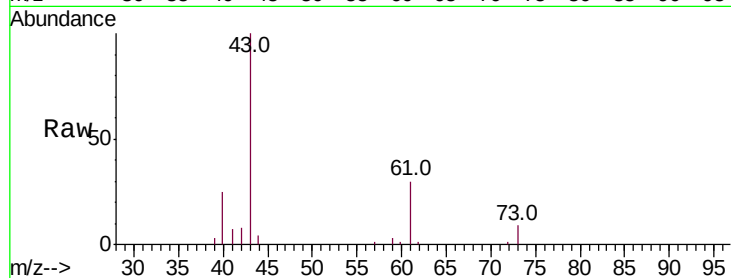
Tot Ion: 43 Resp: 113573

Ion Ratio Lower Upper

43 100

61 30.2 25.6 38.4

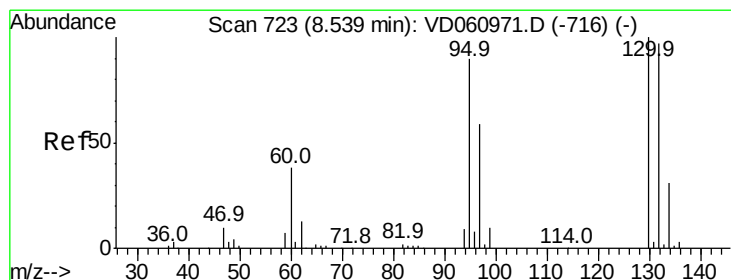
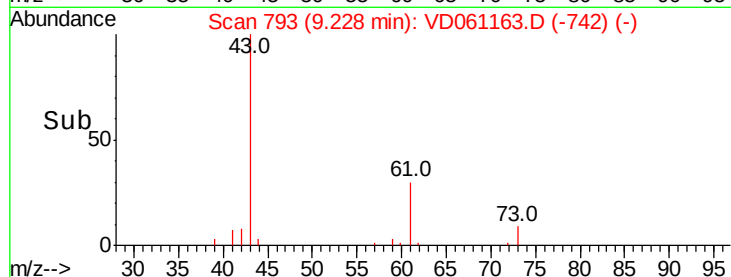
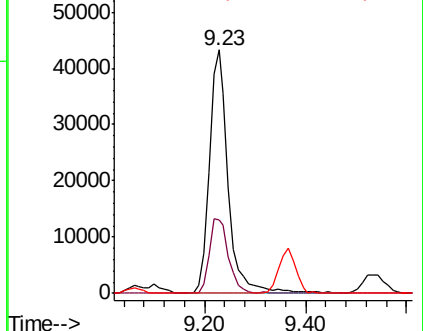
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.381 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD061163.D

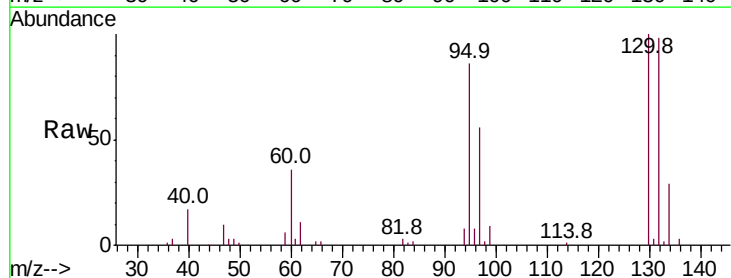
Acq: 19 Mar 2019 1:18

Tgt Ion:130 Resp: 172970

Ion Ratio Lower Upper

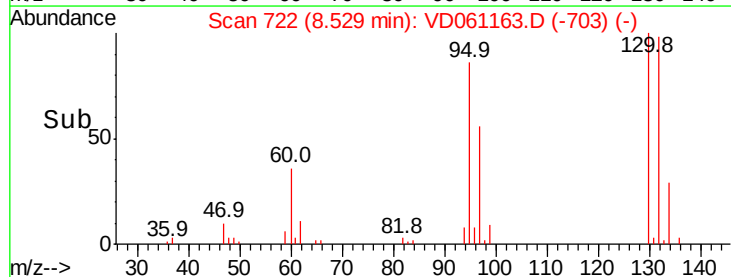
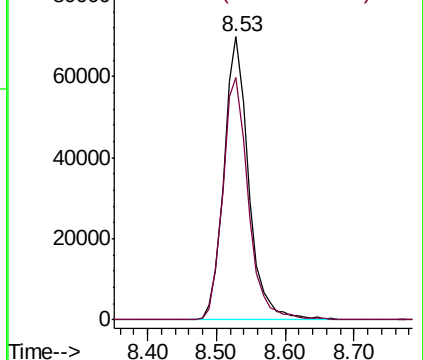
130 100

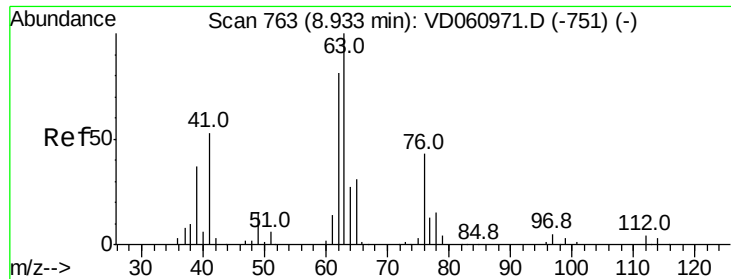
95 85.7 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

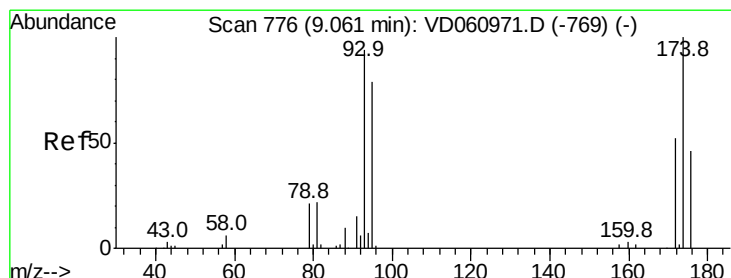
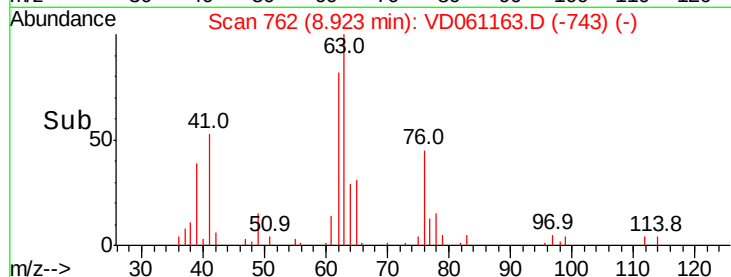
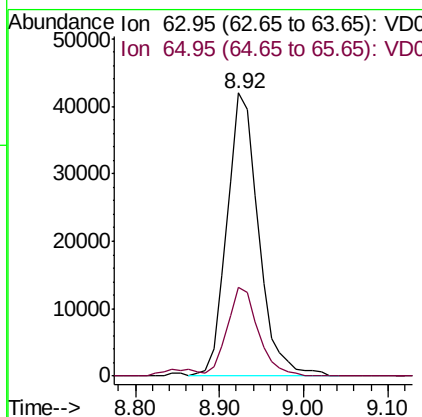
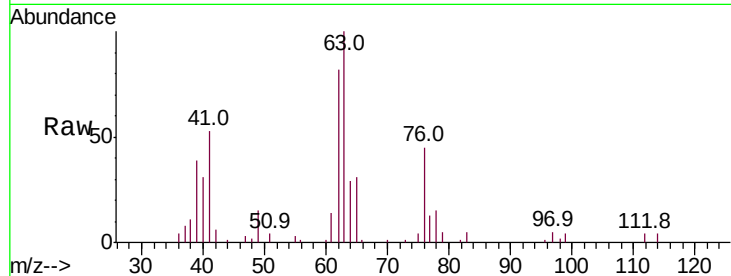




#45
 1,2-Dichloropropane
 Concen: 18.630 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

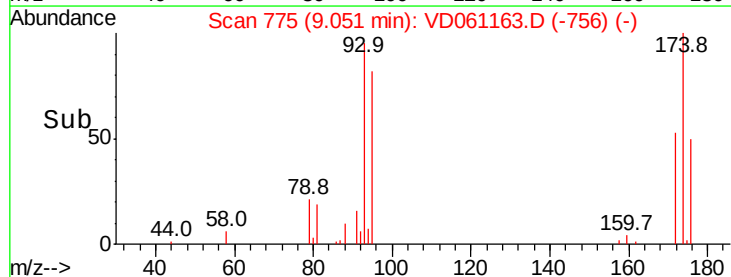
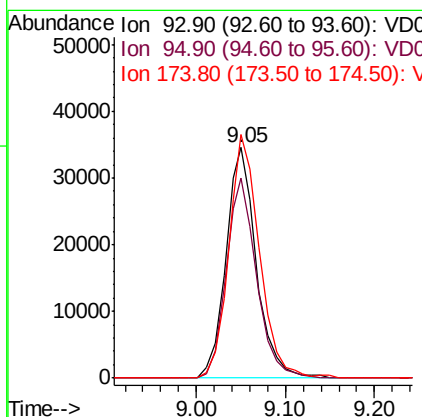
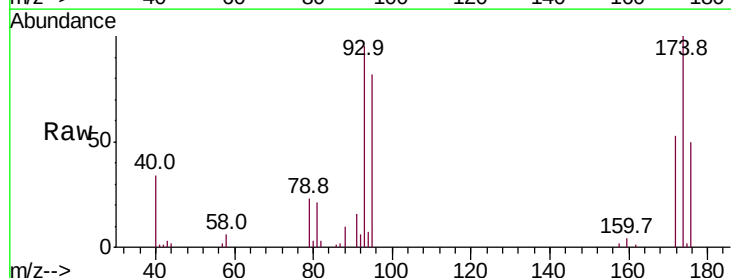
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

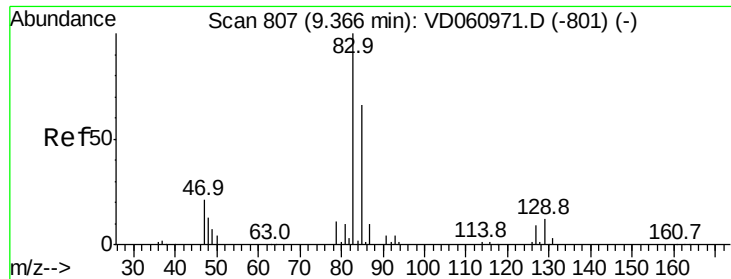
Tot Ion: 63 Resp: 109641
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2



#46
 Dibromomethane
 Concen: 22.028 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion: 93 Resp: 82233
 Ion Ratio Lower Upper
 93 100
 95 87.0 67.4 101.0
 174 105.7 85.4 128.0





#47

Bromodichloromethane

Concen: 21.535 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

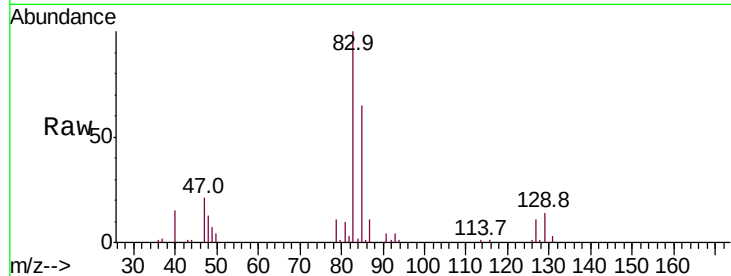
Tot Ion: 83 Resp: 181419

Ion Ratio Lower Upper

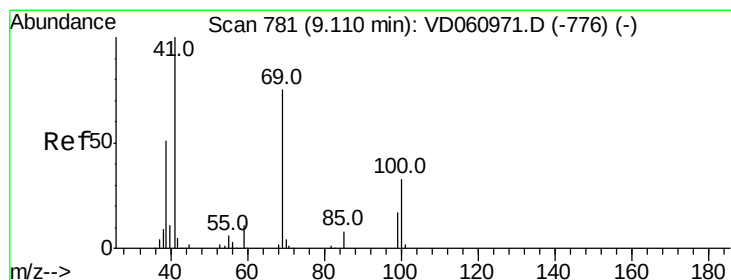
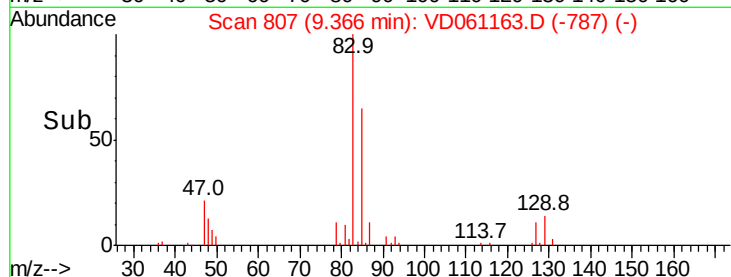
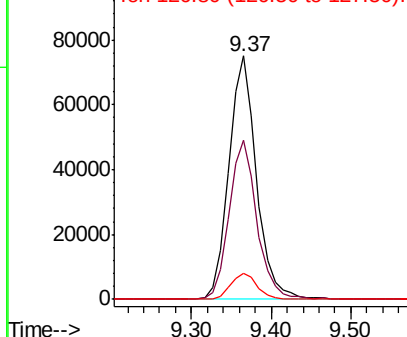
83 100

85 65.1 52.5 78.7

127 10.6 7.5 11.3



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: 21.184 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

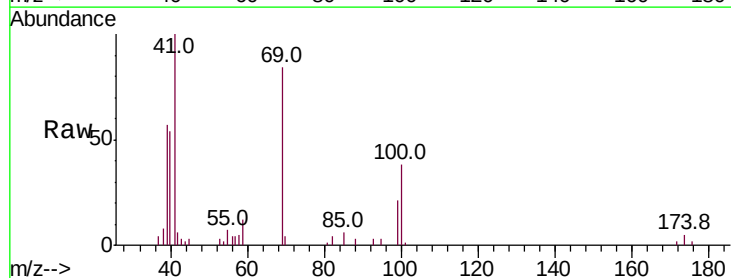
Tgt Ion: 41 Resp: 69497

Ion Ratio Lower Upper

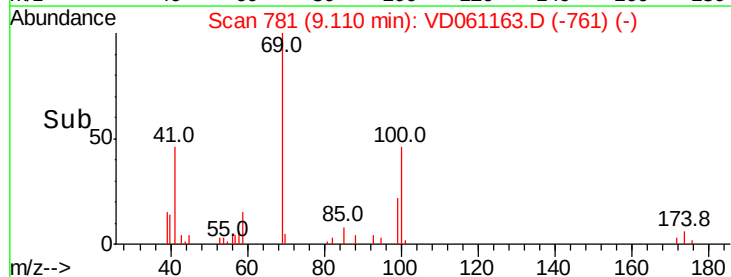
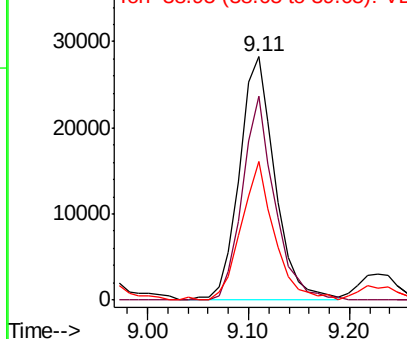
41 100

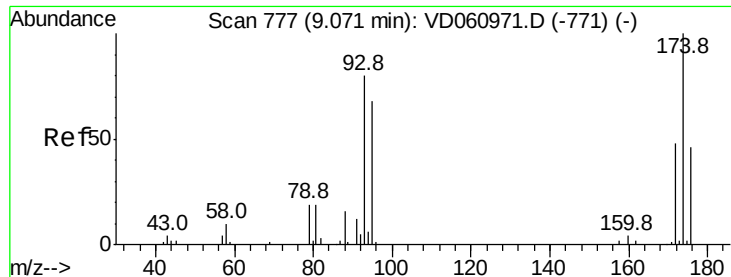
69 83.8 59.9 89.9

39 57.1 40.9 61.3



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

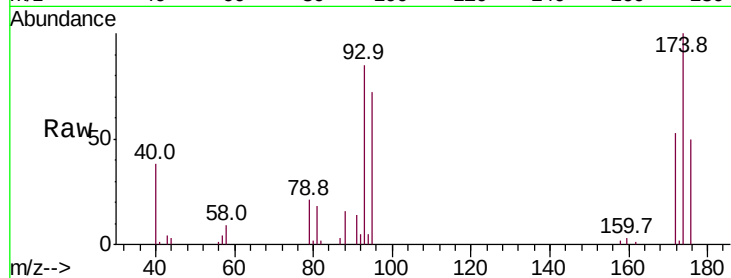




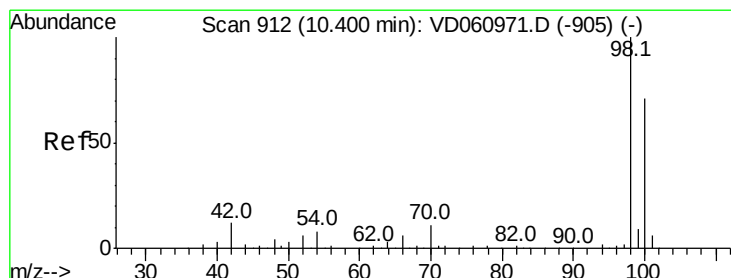
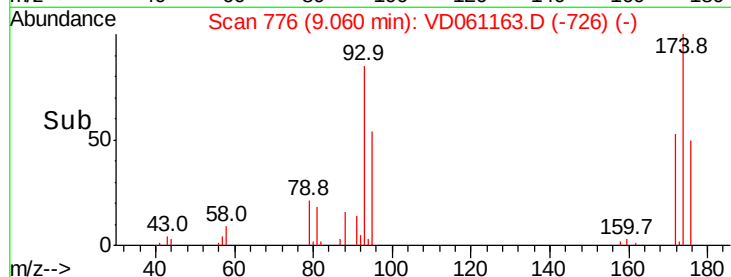
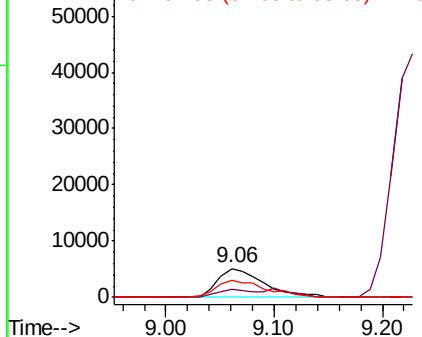
#49
 1,4-Dioxane
 Concen: 453.160 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Tot Ion: 88 Resp: 15033
 Ion Ratio Lower Upper
 88 100
 43 27.3 21.0 31.6
 58 57.9 48.6 72.8

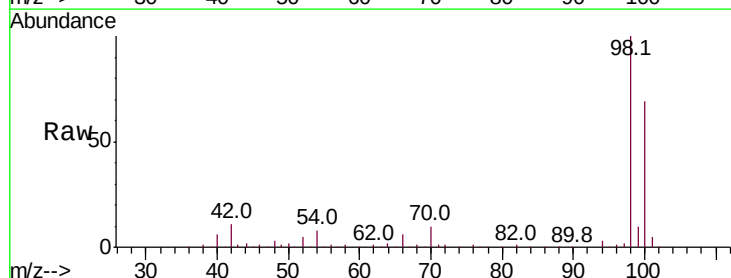


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

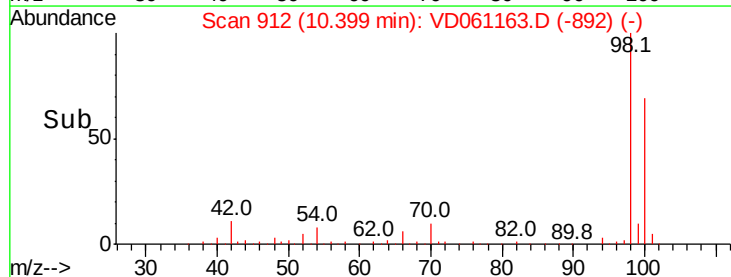
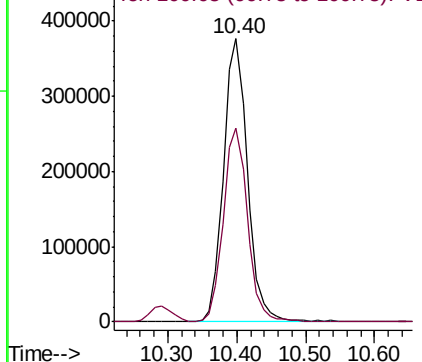


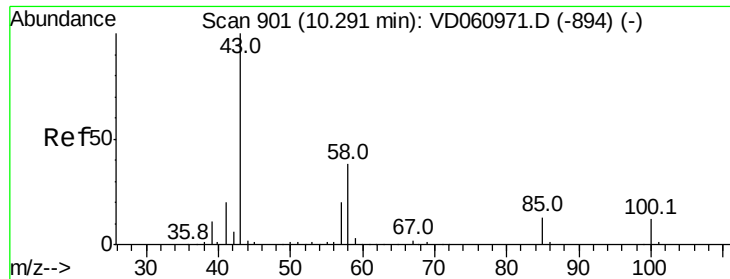
#50
 Toluene-d8
 Concen: 453.160 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion: 98 Resp: 910822
 Ion Ratio Lower Upper
 98 100
 100 68.5 57.4 86.2



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: 112.031 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

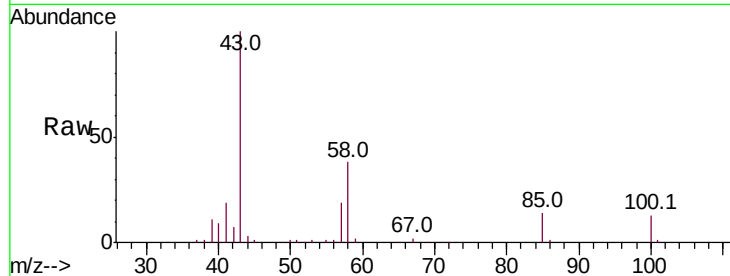
VD0318SBS02

Tot Ion: 43 Resp: 399911

Ion Ratio Lower Upper

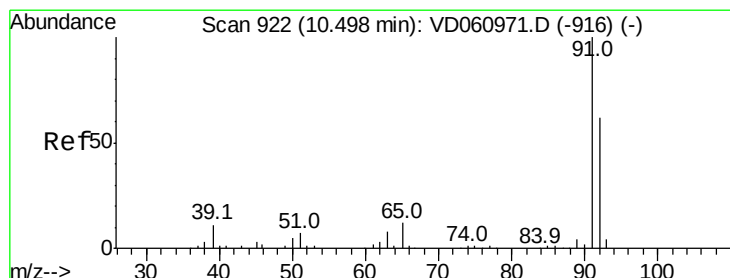
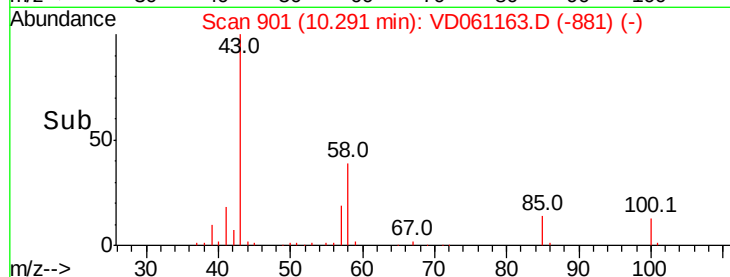
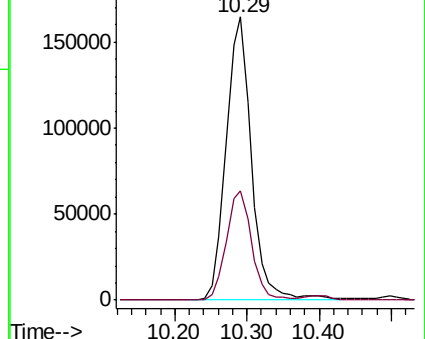
43 100

58 38.5 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.846 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061163.D

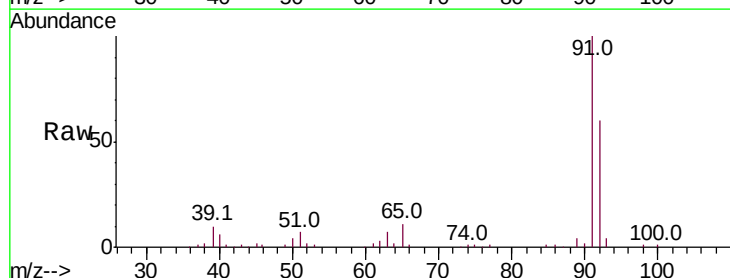
Acq: 19 Mar 2019 1:18

Tgt Ion: 92 Resp: 304308

Ion Ratio Lower Upper

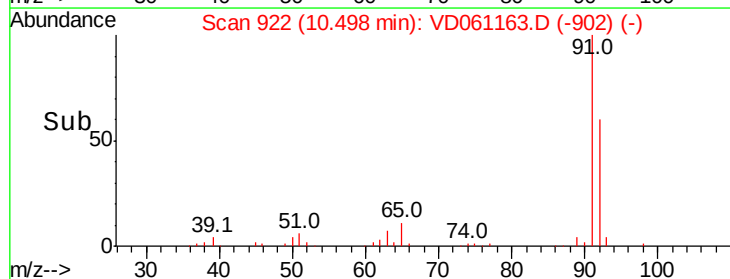
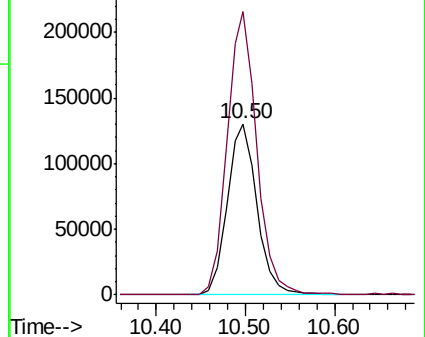
92 100

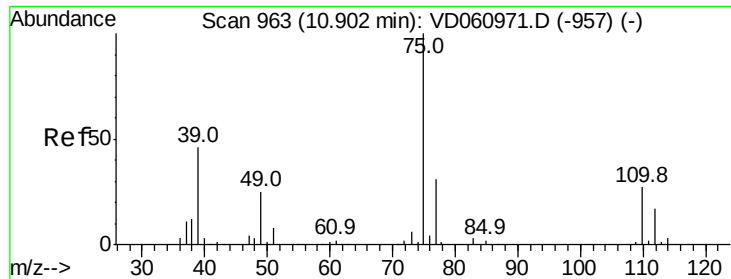
91 165.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.886 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

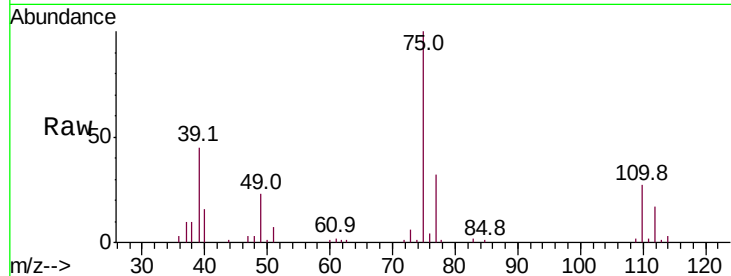
VD0318SBSD02

Tot Ion: 75 Resp: 168588

Ion Ratio Lower Upper

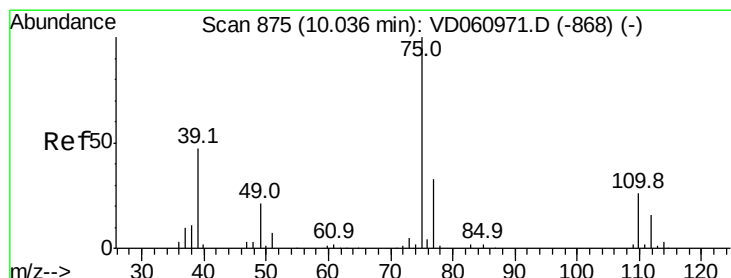
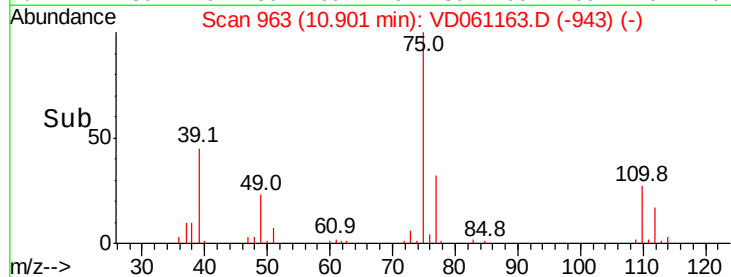
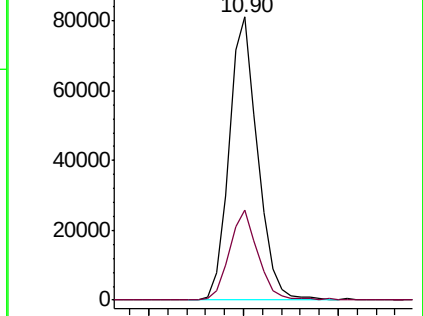
75 100

77 31.7 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.198 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

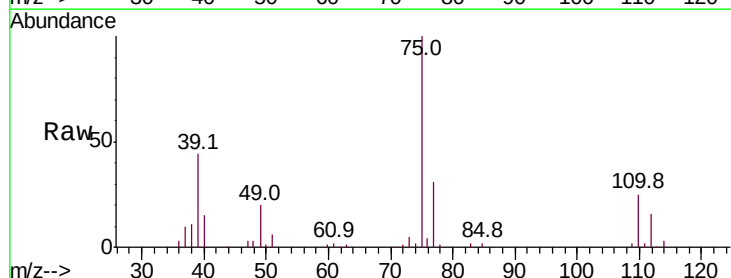
Tgt Ion: 75 Resp: 205449

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.4

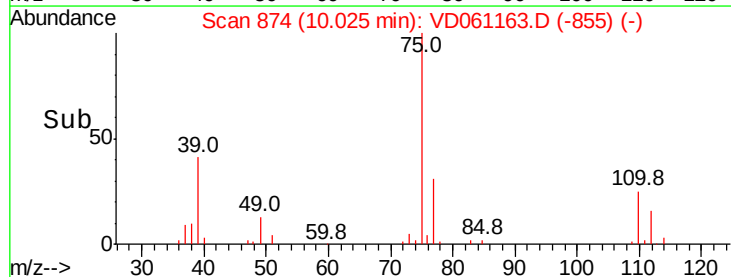
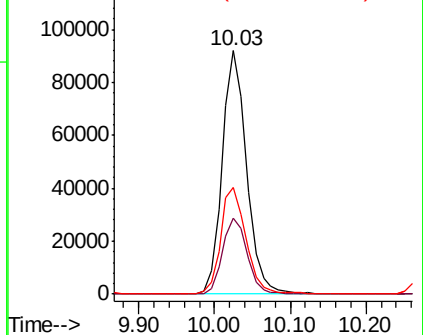
39 43.6 37.8 56.8

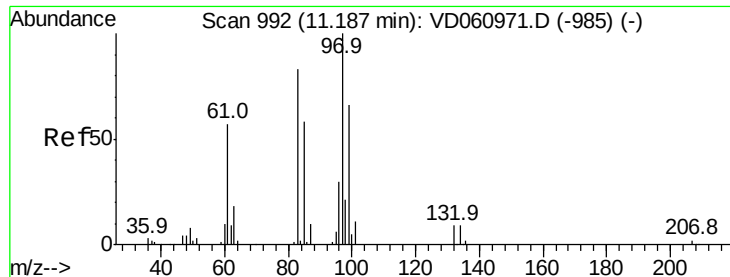


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 22.369 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

Tot Ion: 97 Resp: 103771

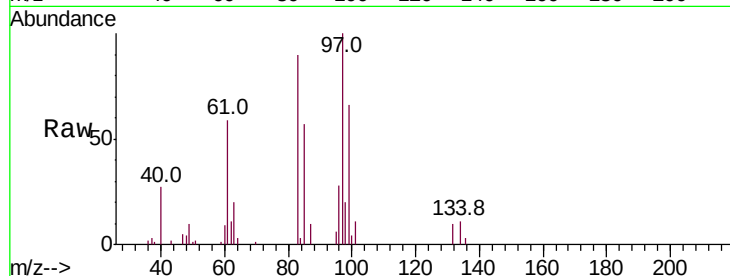
Ion Ratio Lower Upper

97 100

83 90.1 66.6 100.0

85 57.4 46.4 69.6

99 66.0 52.4 78.6

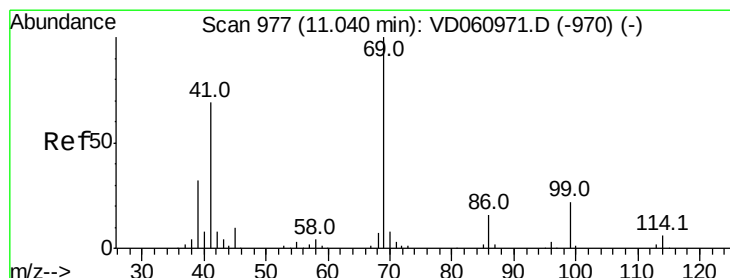
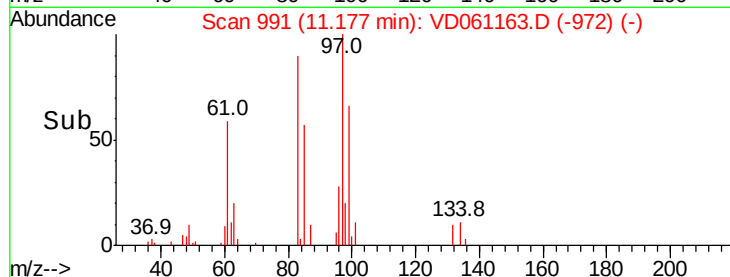
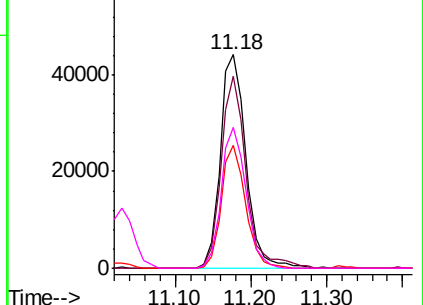


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 23.705 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

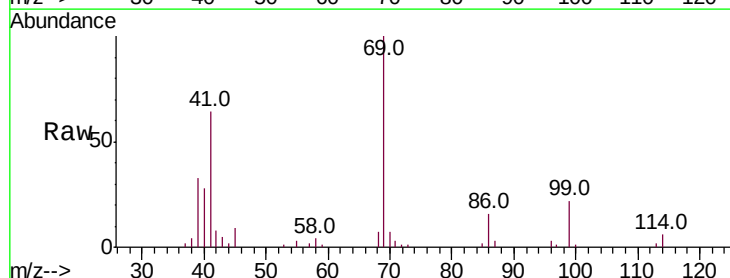
Tgt Ion: 69 Resp: 115102

Ion Ratio Lower Upper

69 100

41 63.6 55.5 83.3

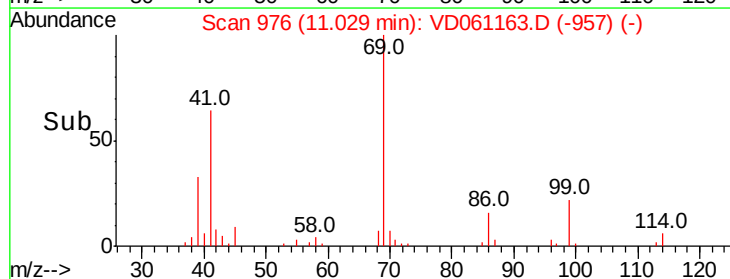
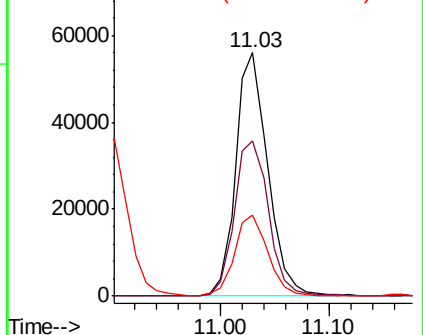
39 33.4 26.2 39.2

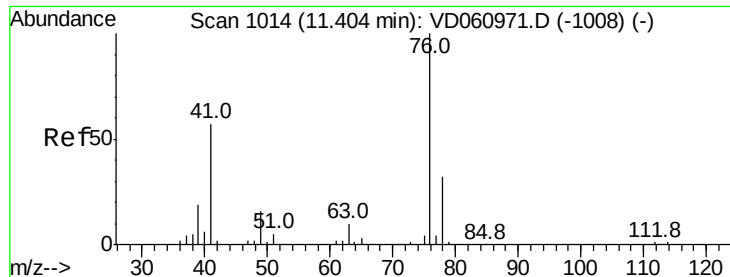


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.385 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.01 min

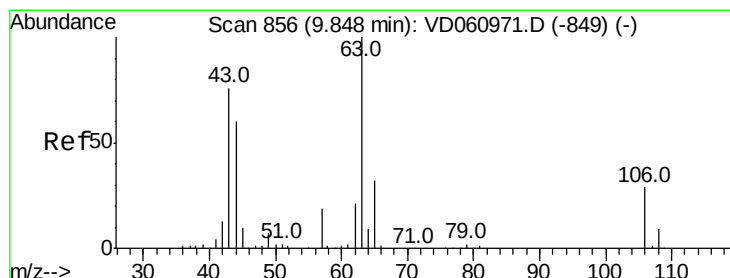
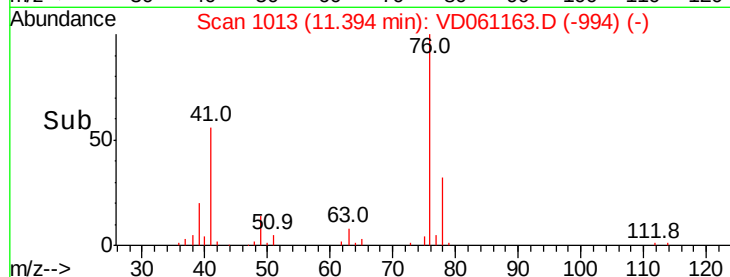
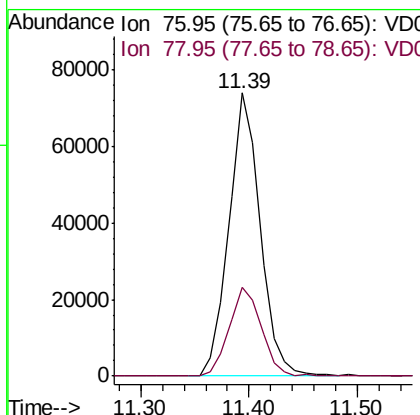
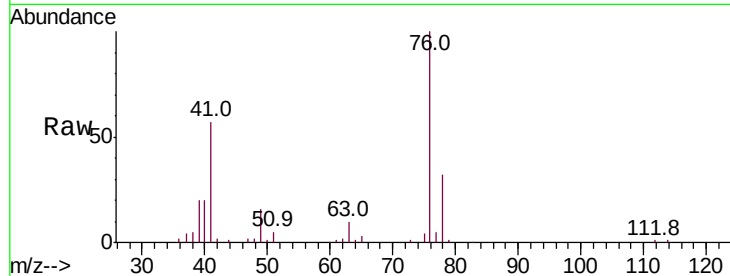
Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Tot Ion: 76 Resp: 148250

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.4	38.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.105 ug/l

RT: 9.85 min Scan# 856

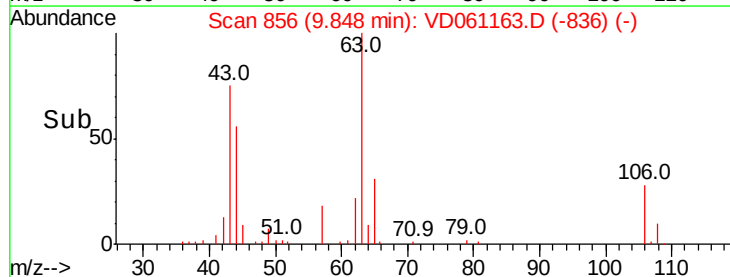
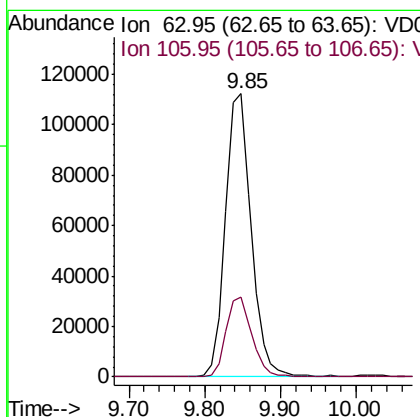
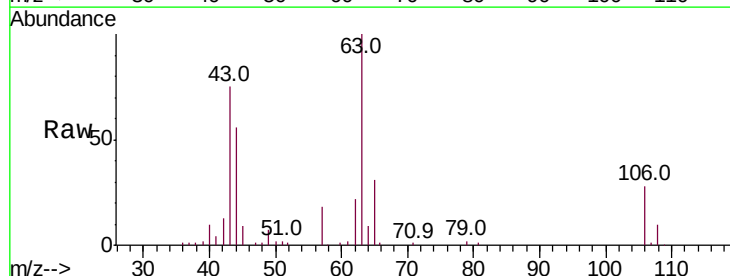
Delta R.T. -0.00 min

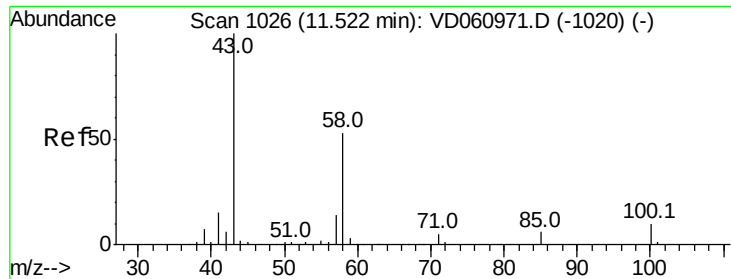
Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Tgt Ion: 63 Resp: 265003

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.8	34.2

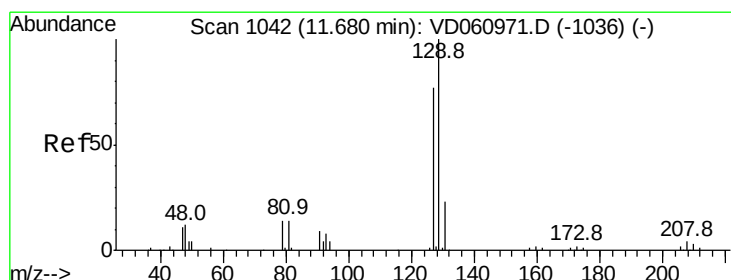
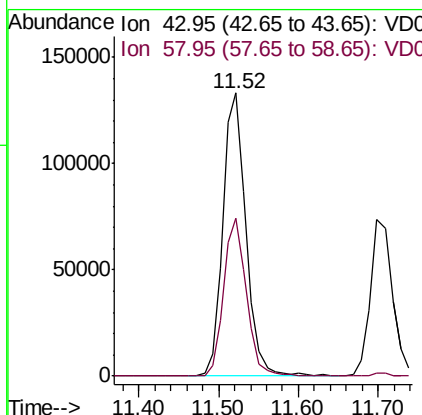
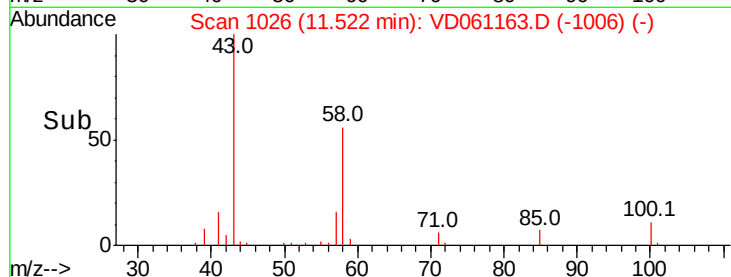
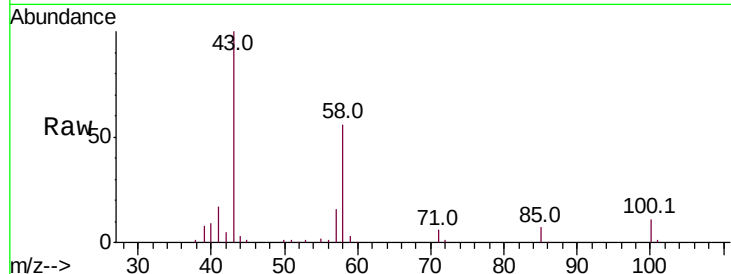




#59
2-Hexanone
Concen: 104.440 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

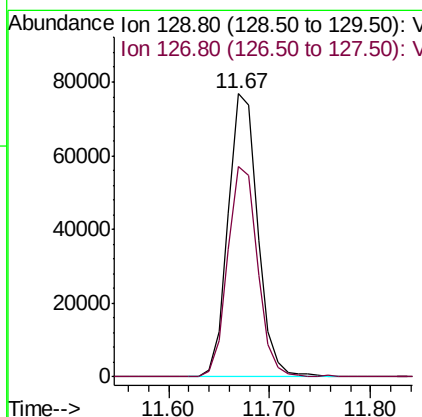
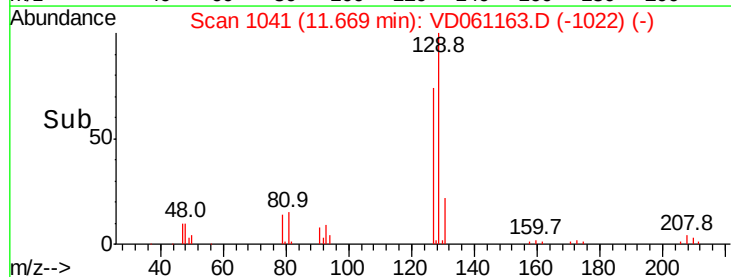
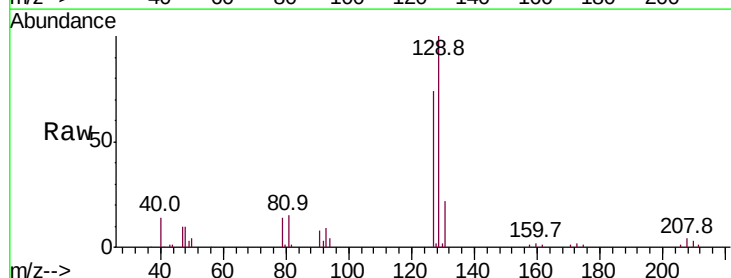
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBSD02

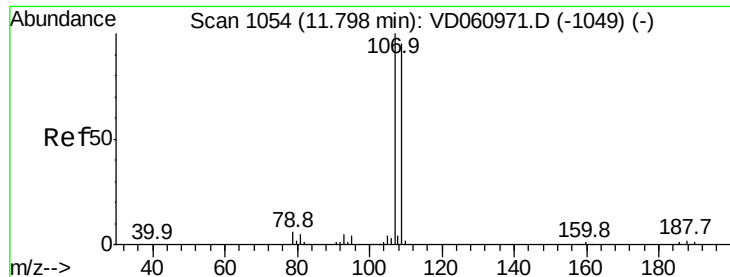
Tot Ion: 43 Resp: 272712
Ion Ratio Lower Upper
43 100
58 55.7 26.5 79.5



#60
Dibromochloromethane
Concen: 22.944 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 129 Resp: 156642
Ion Ratio Lower Upper
129 100
127 74.4 38.3 114.9

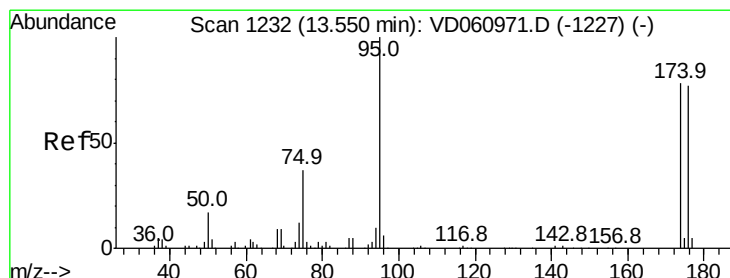
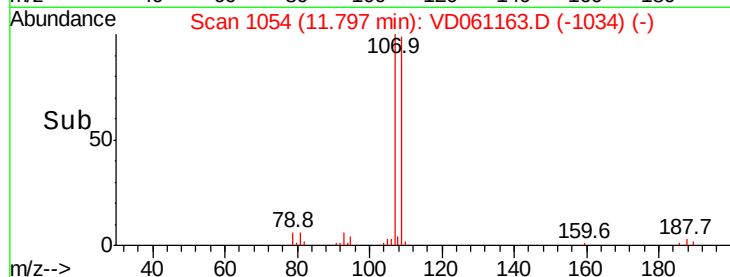
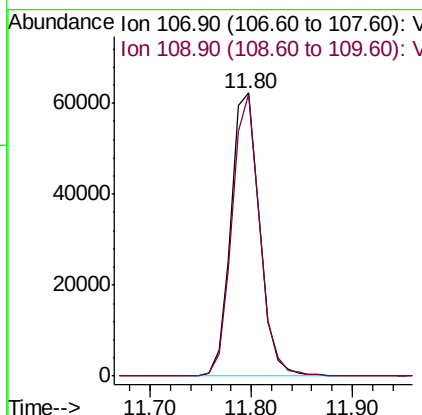
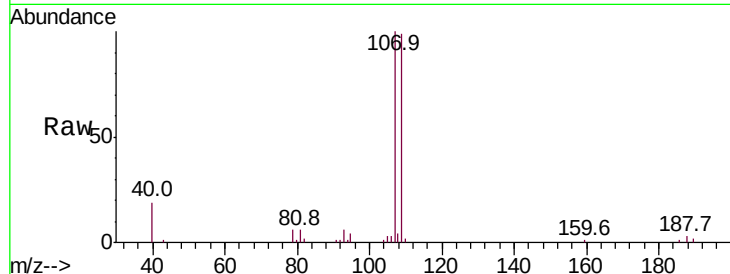




#61
 1,2-Dibromoethane
 Concen: 22.742 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

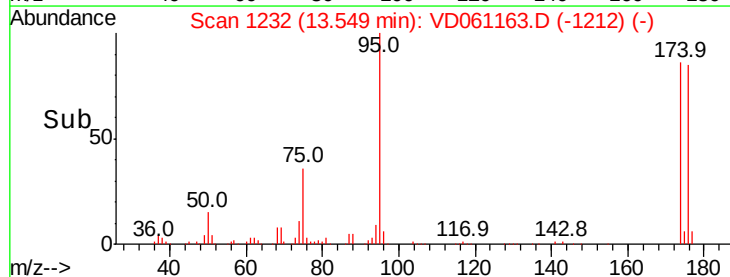
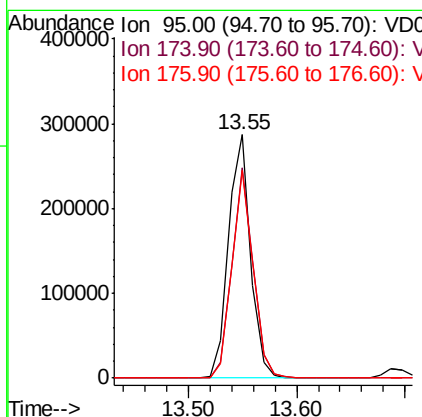
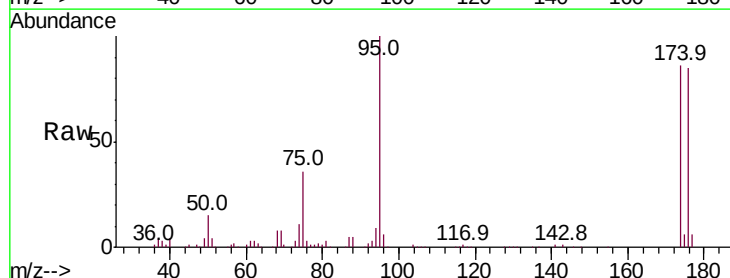
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBSD02

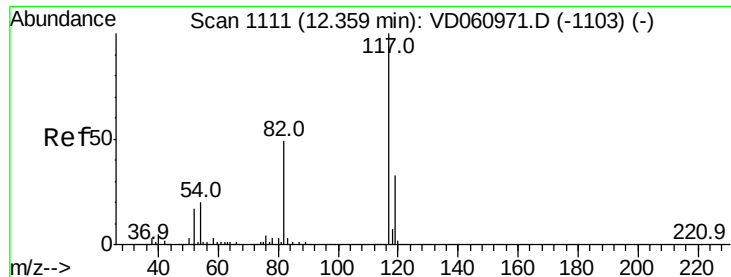
Tot Ion:107 Resp: 122724
 Ion Ratio Lower Upper
 107 100
 109 99.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 22.742 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion: 95 Resp: 406195
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 155.6
 176 85.1 0.0 153.8

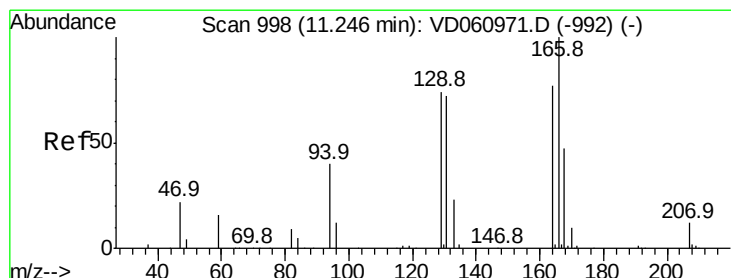
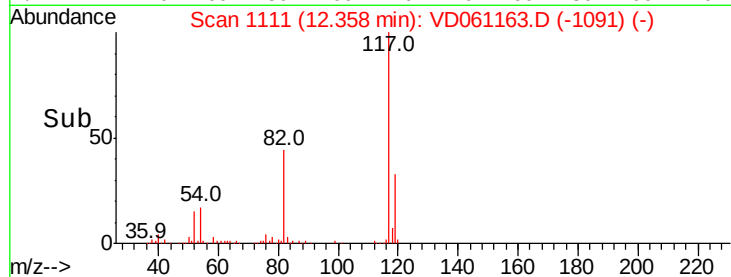
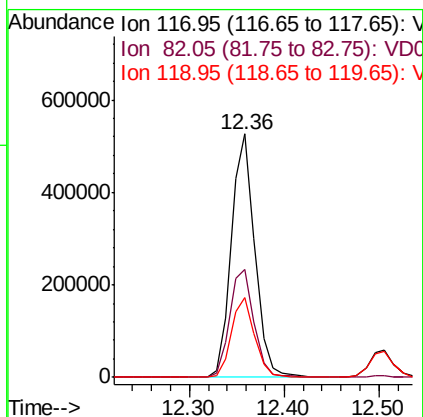
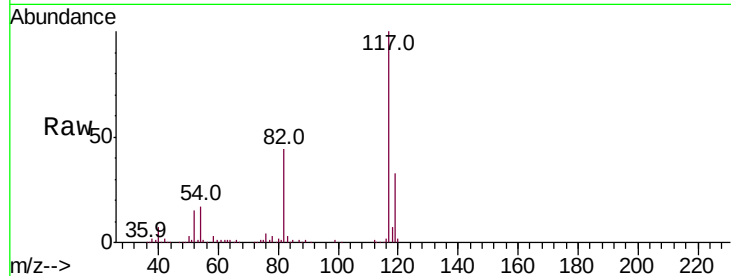




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

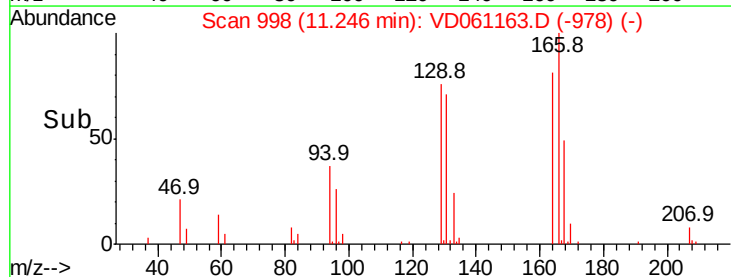
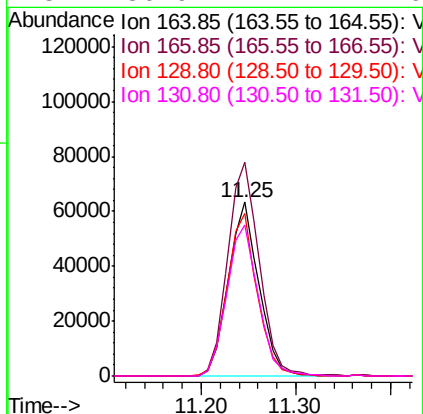
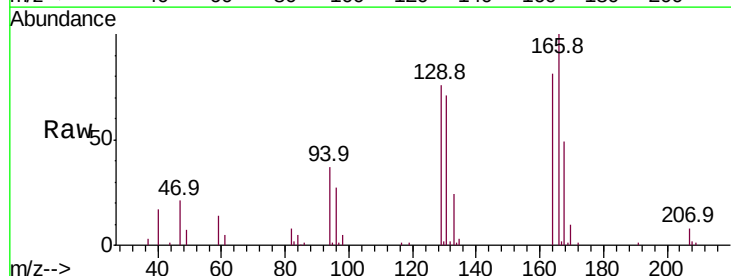
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

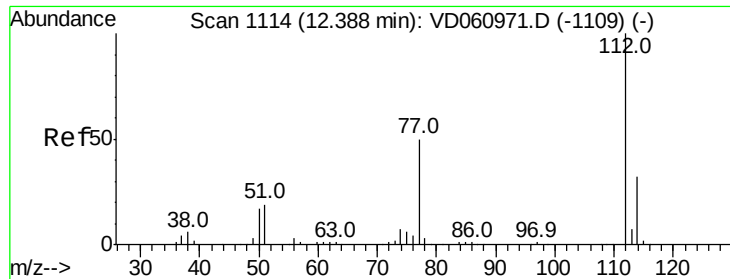
Tot Ion	Ratio	Lower	Upper
117	100		
82	44.3	38.9	58.3
119	32.6	26.6	39.8



#64
Tetrachloroethene
Concen: 23.242 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	103.4	155.0
129	93.3	76.9	115.3
131	86.9	74.4	111.6

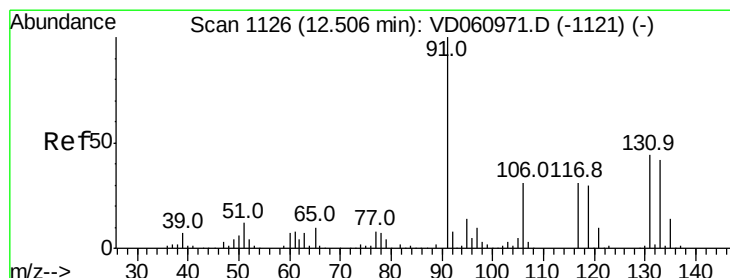
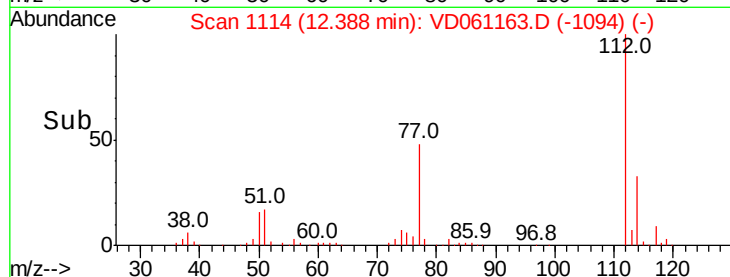
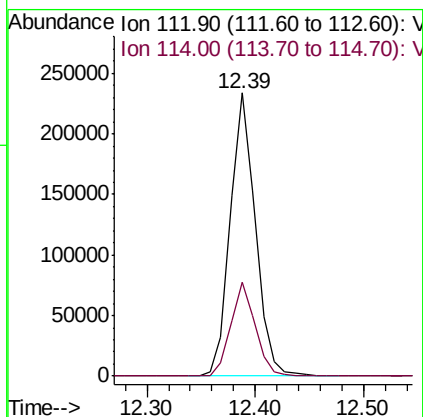
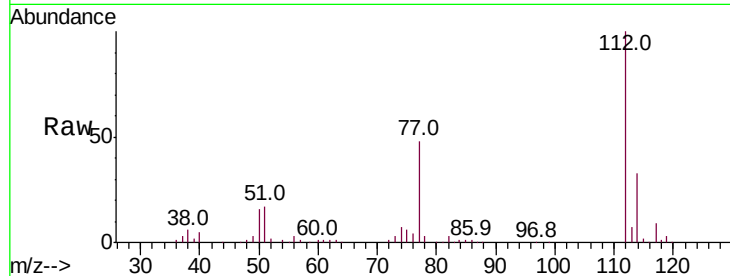




#65
Chlorobenzene
Concen: 21.484 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

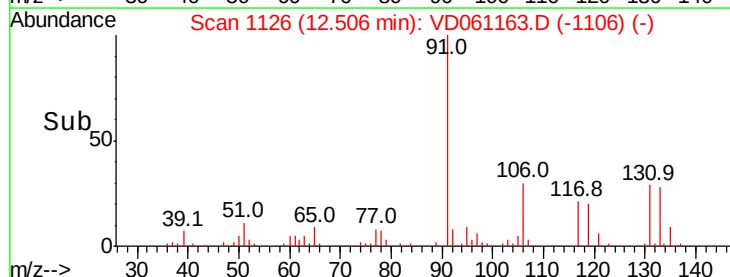
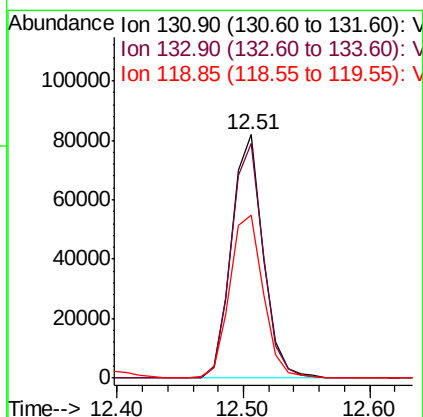
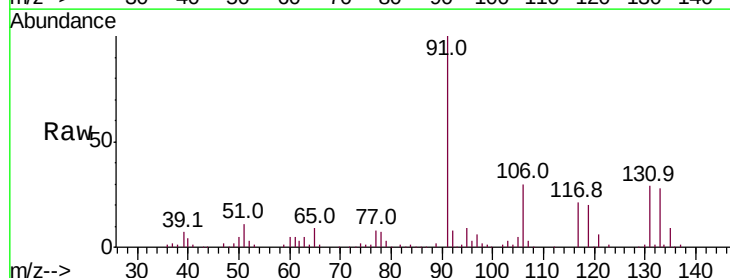
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBSD02

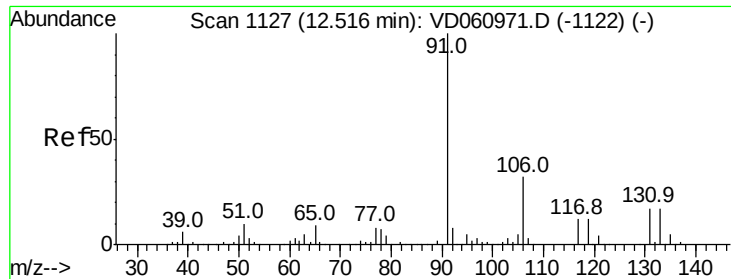
Tot Ion:112 Resp: 379033
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.451 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion:131 Resp: 141186
Ion Ratio Lower Upper
131 100
133 96.4 47.8 143.3
119 67.2 34.3 102.9

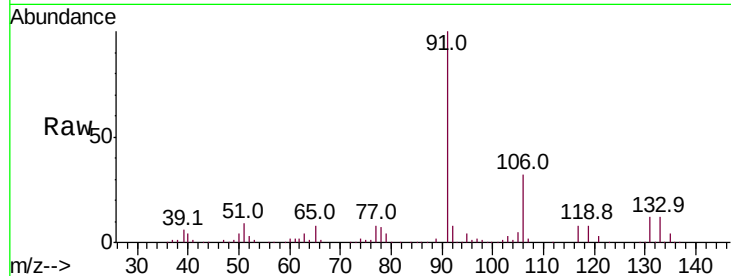




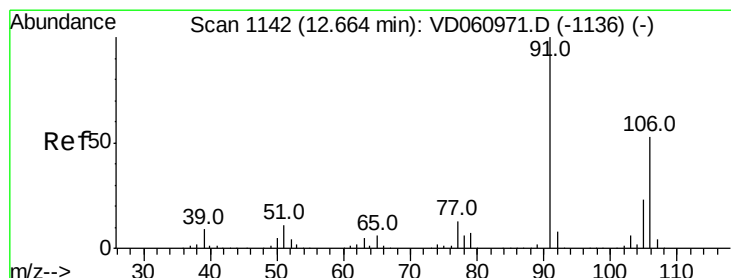
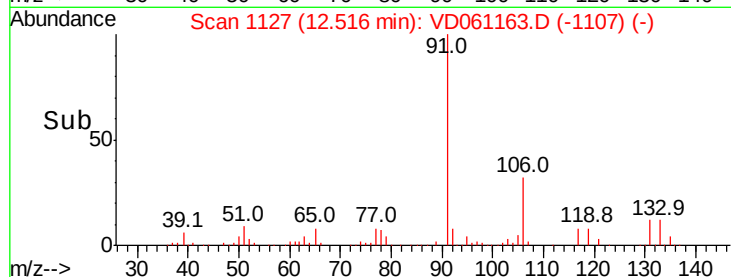
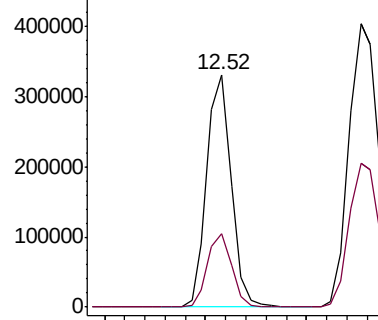
#67
Ethyl Benzene
Concen: 21.362 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Tot Ion: 91 Resp: 561074
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

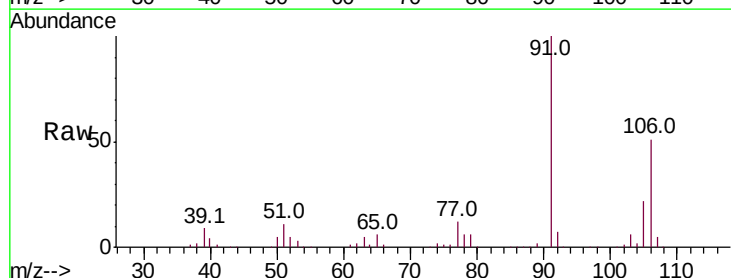


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

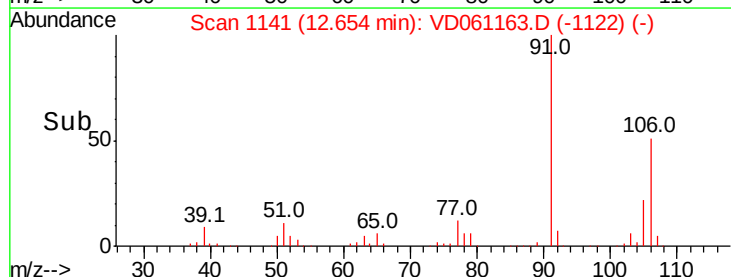
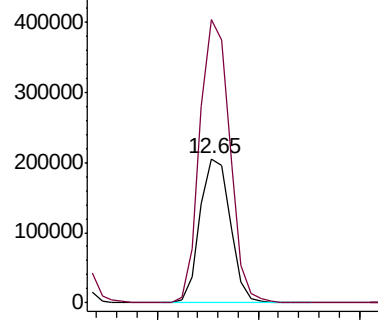


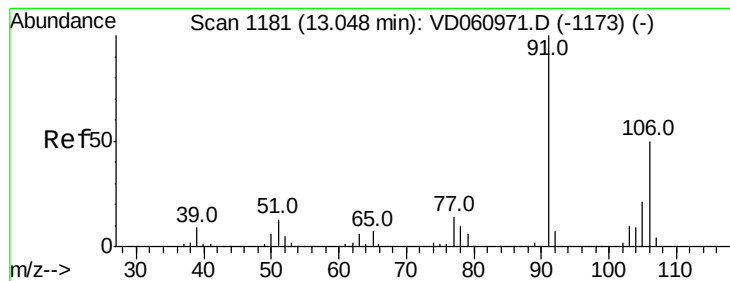
#68
m/p-Xylenes
Concen: 41.748 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 106 Resp: 430374
Ion Ratio Lower Upper
106 100
91 196.1 152.0 228.0



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





#69

o-Xylene

Concen: 20.981 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

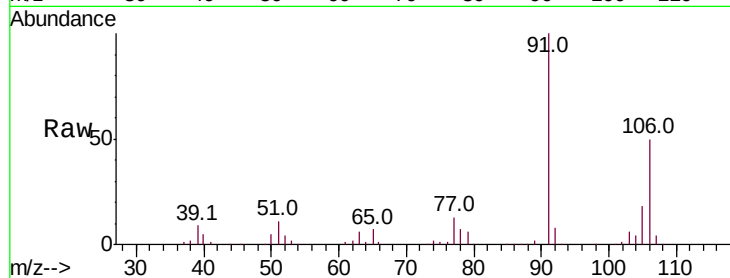
VD0318SBS02

Tot Ion:106 Resp: 212604

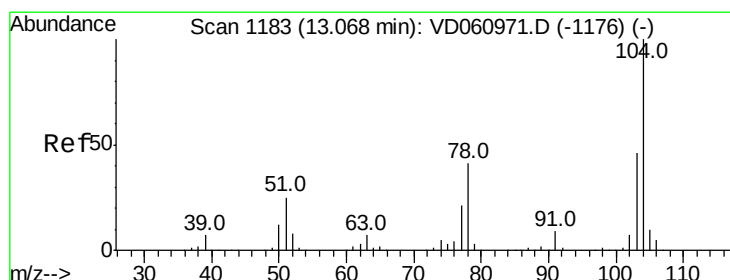
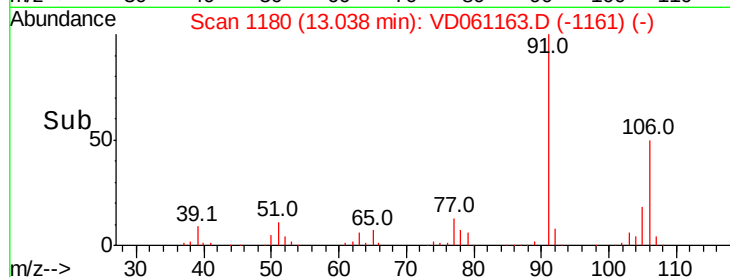
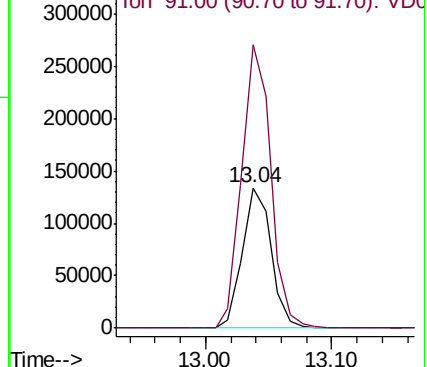
Ion Ratio Lower Upper

106 100

91 201.5 99.8 299.3



Abundance Ion 106.05 (105.75 to 106.75): V



#70

Styrene

Concen: 20.548 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

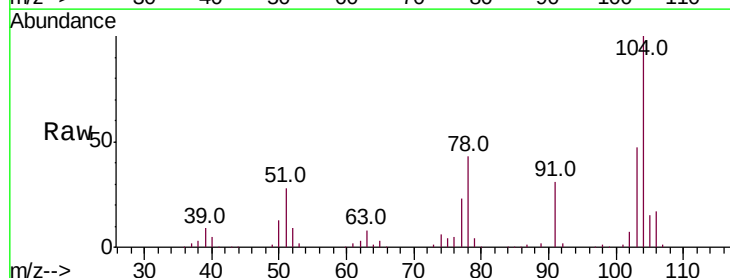
Tgt Ion:104 Resp: 339999

Ion Ratio Lower Upper

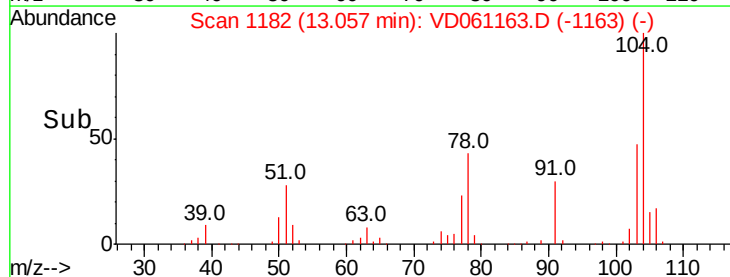
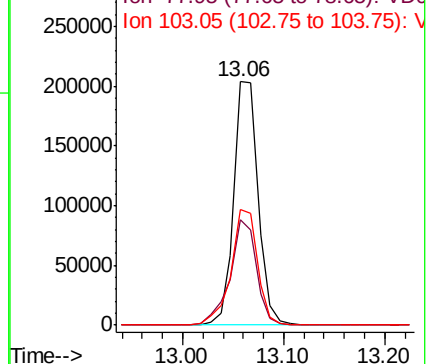
104 100

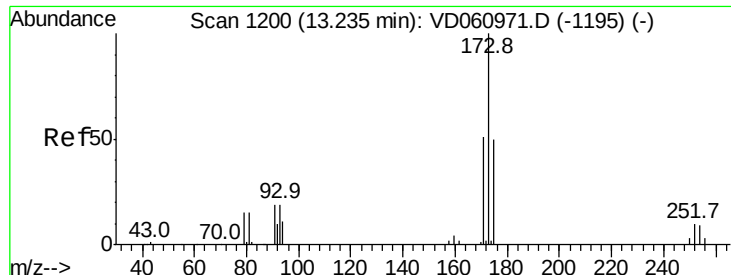
78 43.2 33.0 49.4

103 47.3 37.1 55.7



Abundance Ion 104.05 (103.75 to 104.75): V





#71

Bromoform

Concen: 22.473 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

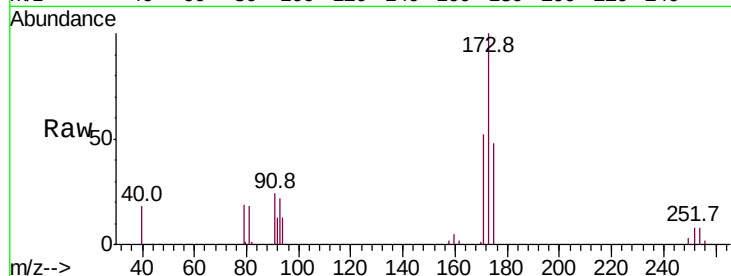
Tot Ion:173 Resp: 91172

Ion Ratio Lower Upper

173 100

175 48.5 24.9 74.8

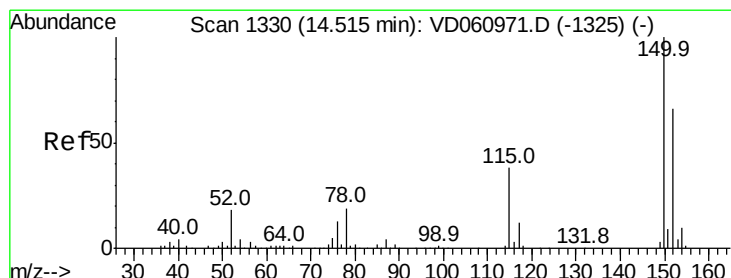
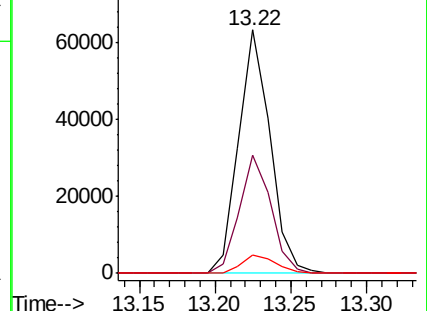
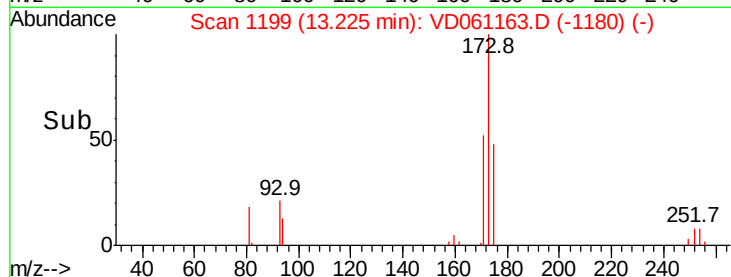
254 7.6 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

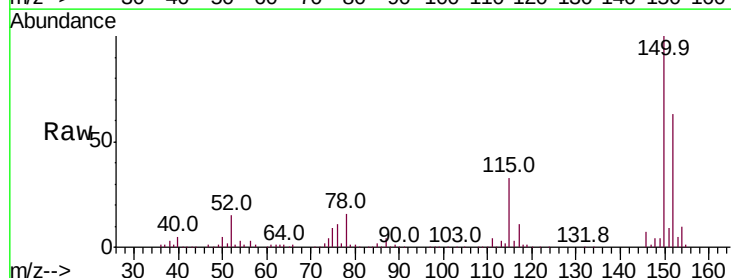
Tgt Ion:152 Resp: 352132

Ion Ratio Lower Upper

152 100

115 52.5 28.6 85.9

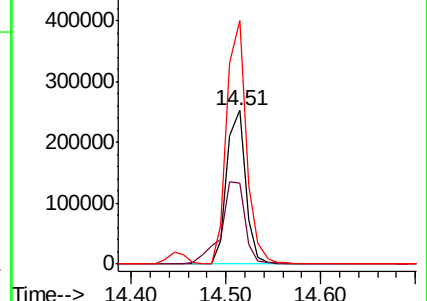
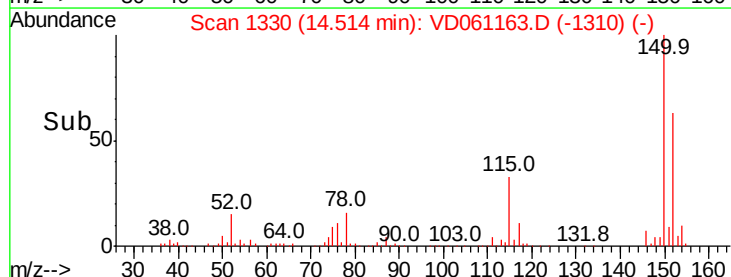
150 158.3 0.0 310.6

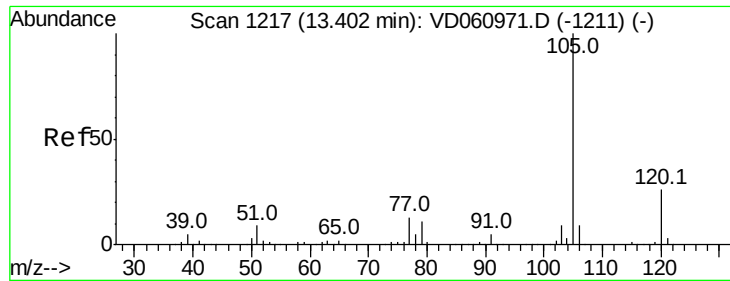


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.745 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

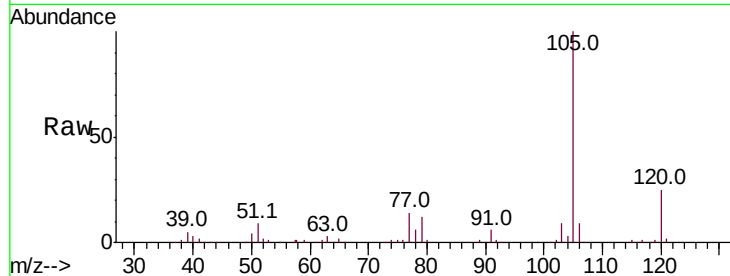
VD0318SBSD02

Tot Ion:105 Resp: 577198

Ion Ratio Lower Upper

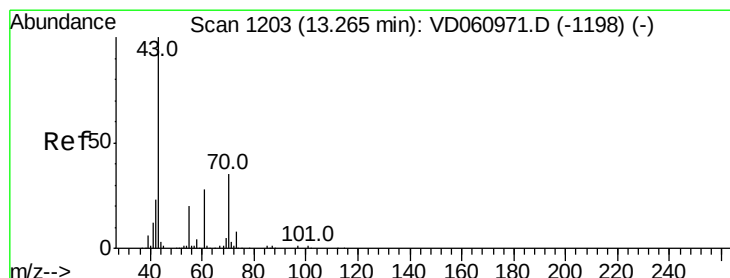
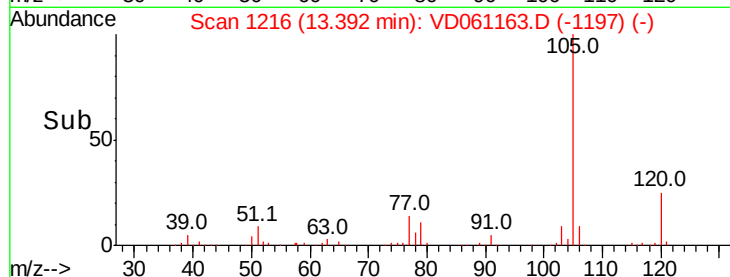
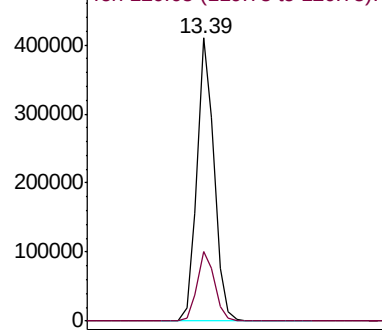
105 100

120 24.7 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.596 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Tgt Ion: 43 Resp: 161463

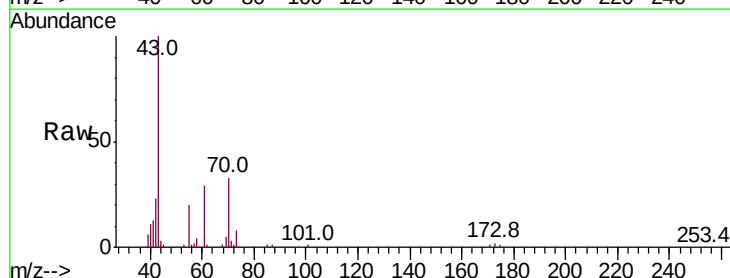
Ion Ratio Lower Upper

43 100

70 32.6 27.7 41.5

55 20.3 16.2 24.2

61 29.4 22.3 33.5

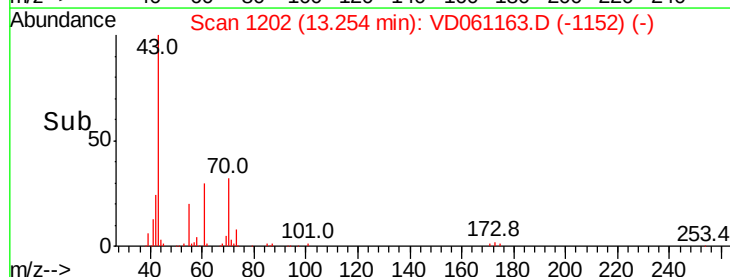
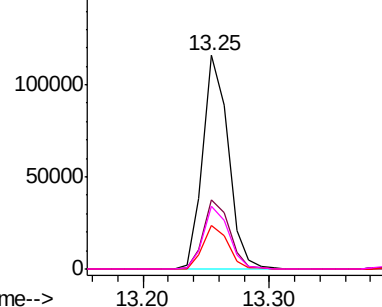


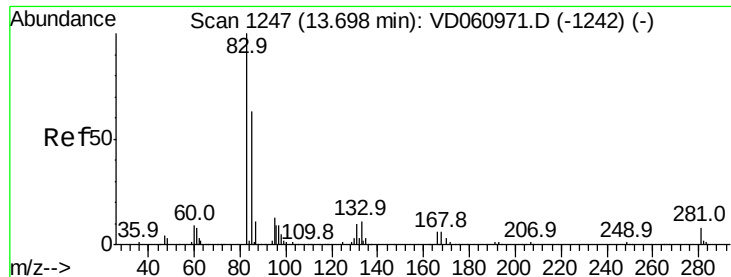
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.437 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

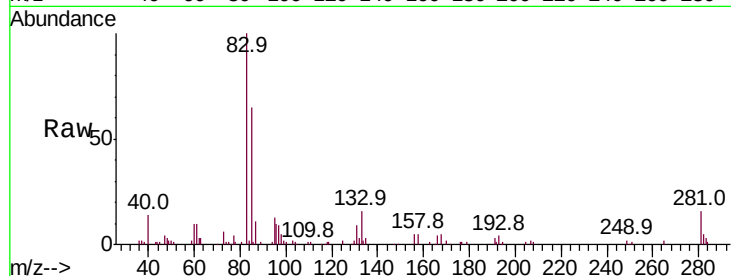
Tot Ion: 83 Resp: 120994

Ion Ratio Lower Upper

83 100

131 9.1 5.1 15.3

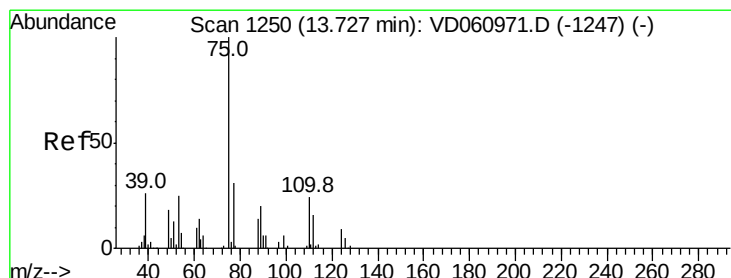
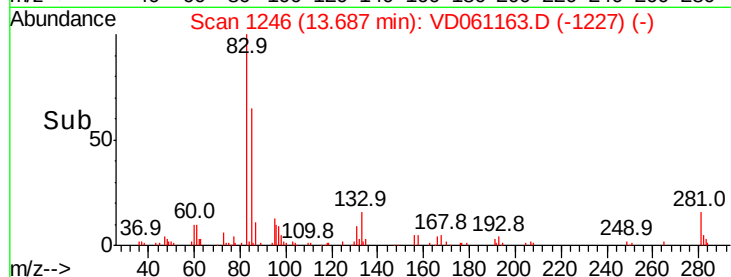
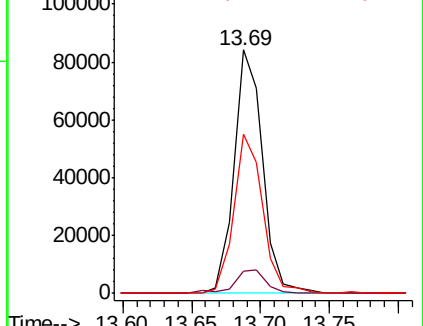
85 65.2 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.421 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061163.D

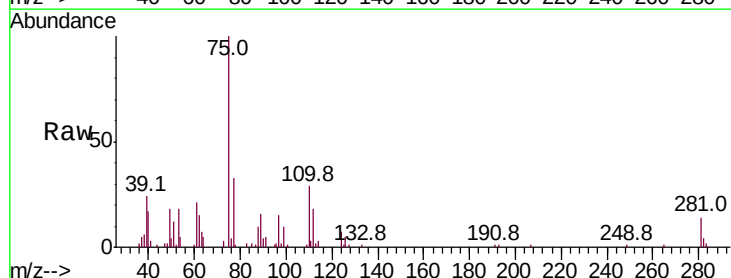
Acq: 19 Mar 2019 1:18

Tgt Ion: 75 Resp: 113584

Ion Ratio Lower Upper

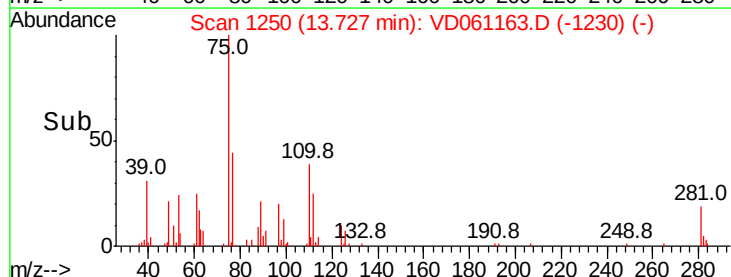
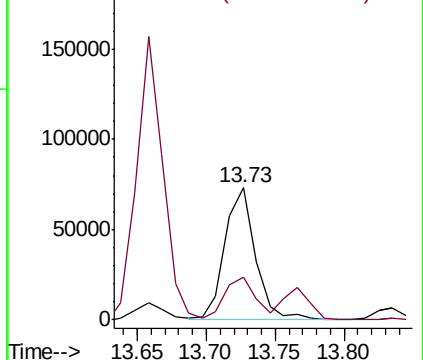
75 100

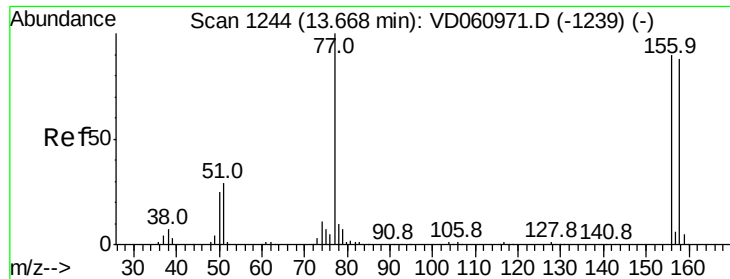
77 32.7 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 25.525 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

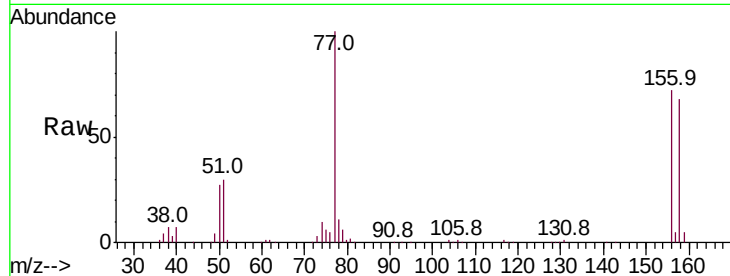
Tot Ion:156 Resp: 165356

Ion Ratio Lower Upper

156 100

77 138.1 55.5 166.7

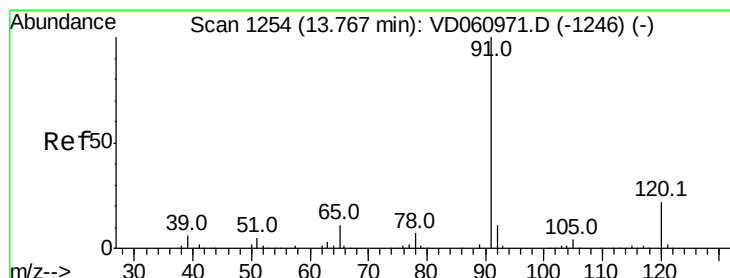
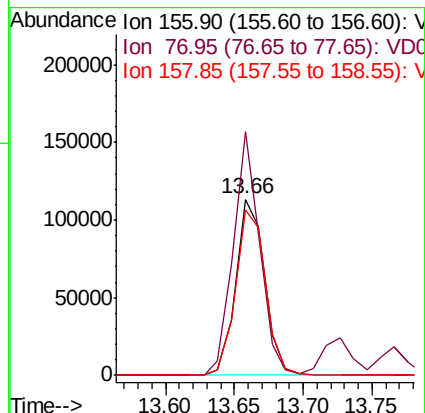
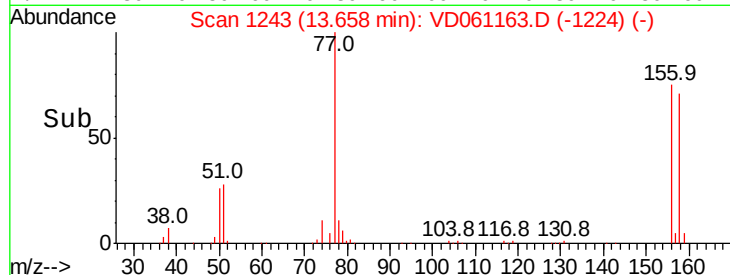
158 94.1 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.766 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061163.D

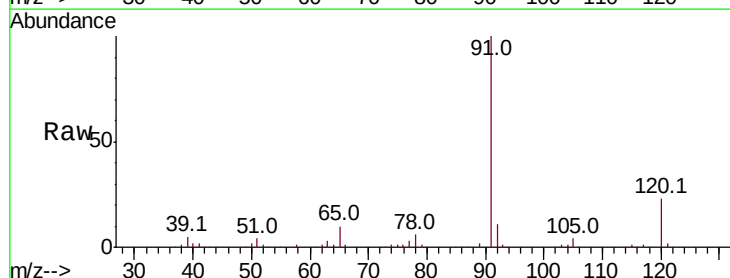
Acq: 19 Mar 2019 1:18

Tgt Ion: 91 Resp: 706066

Ion Ratio Lower Upper

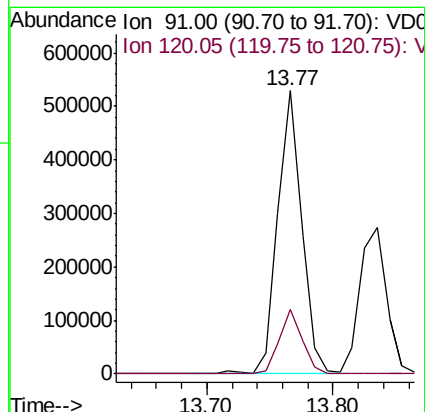
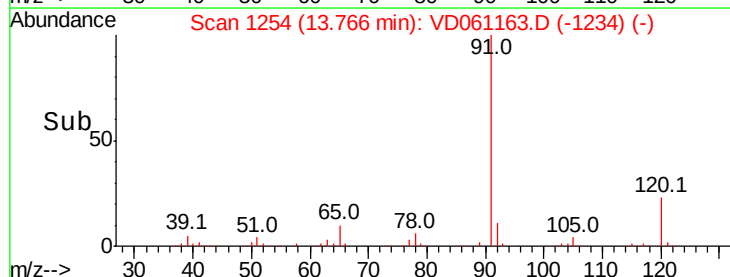
91 100

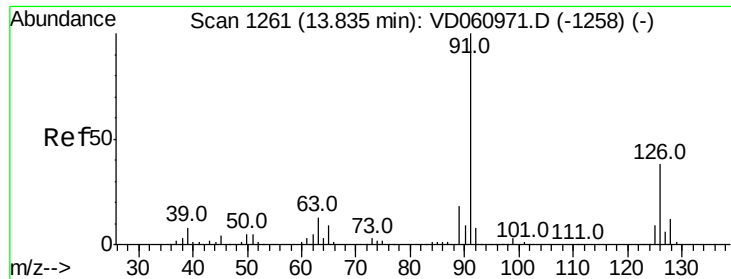
120 22.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

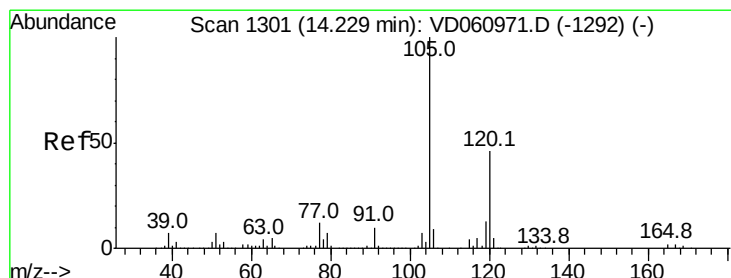
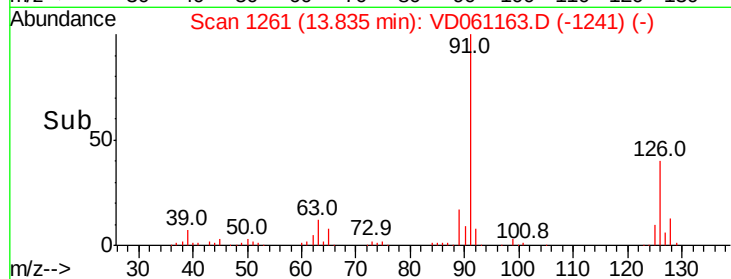
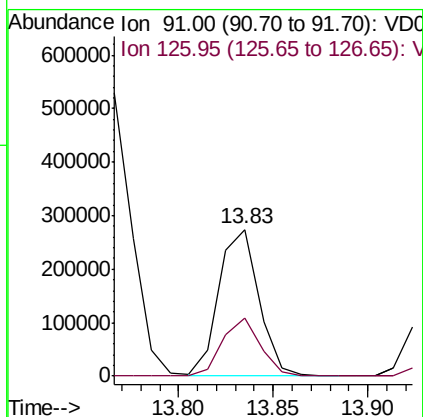
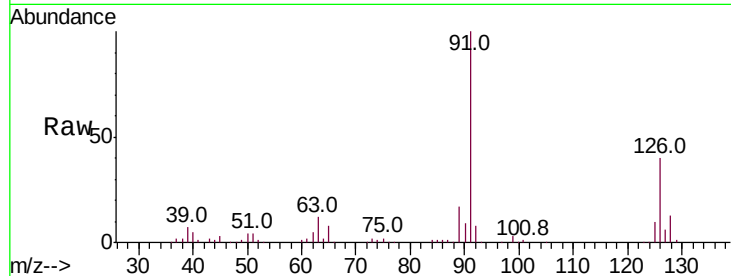




#79
 2-Chlorotoluene
 Concen: 24.424 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

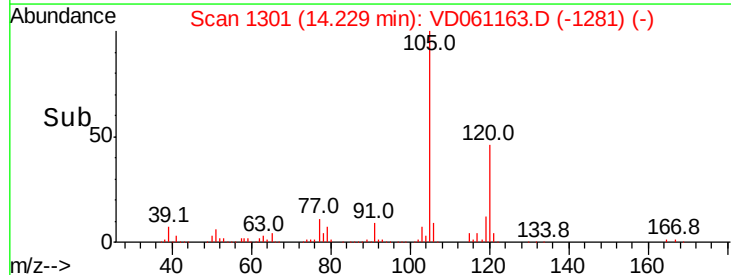
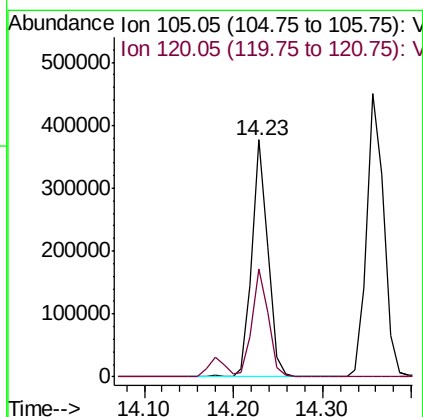
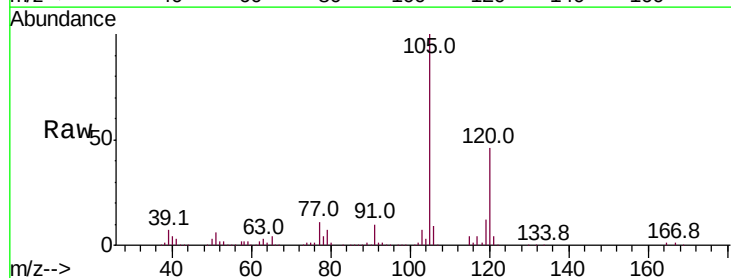
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

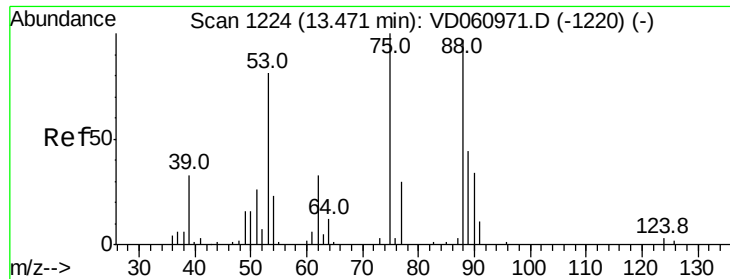
Tot Ion: 91 Resp: 399485
 Ion Ratio Lower Upper
 91 100
 126 39.9 18.6 55.6



#80
 1,3,5-Trimethylbenzene
 Concen: 24.163 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion: 105 Resp: 465524
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.5

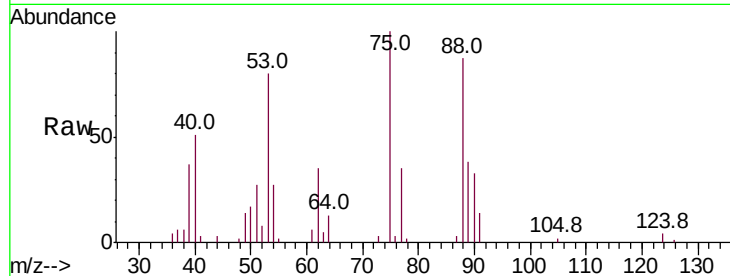




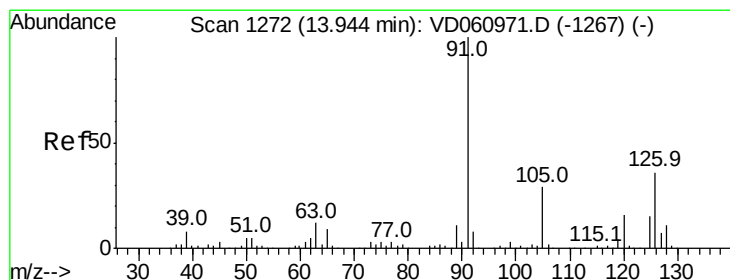
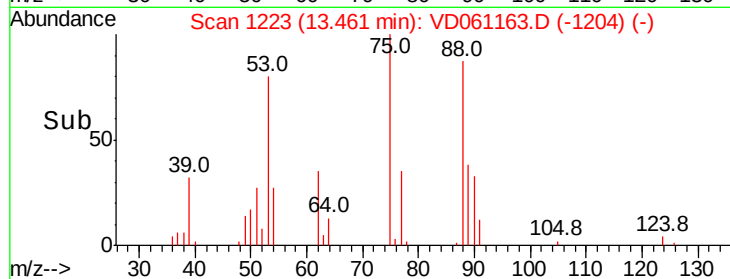
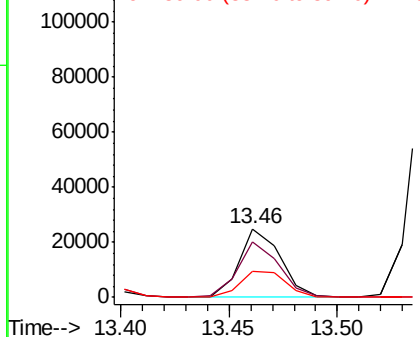
#81
trans-1,4-Dichloro-2-butene
Concen: 22.141 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Tot Ion: 75 Resp: 33069
Ion Ratio Lower Upper
75 100
53 80.2 64.4 96.6
89 37.7 34.8 52.2

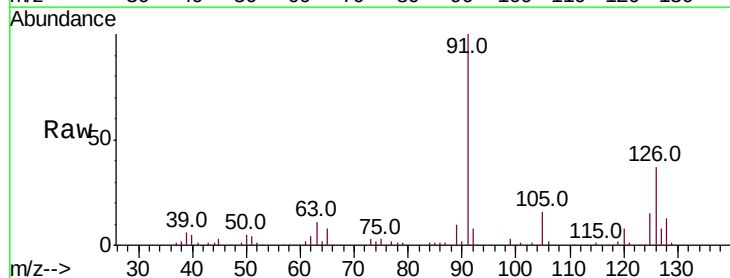


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

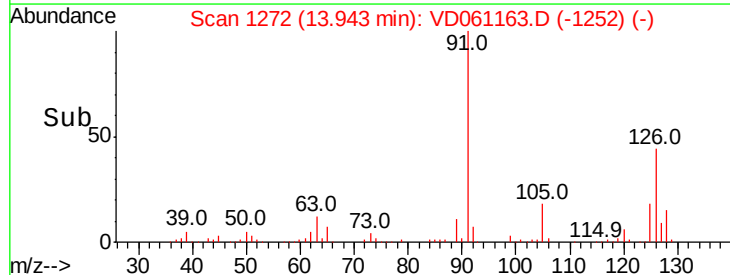
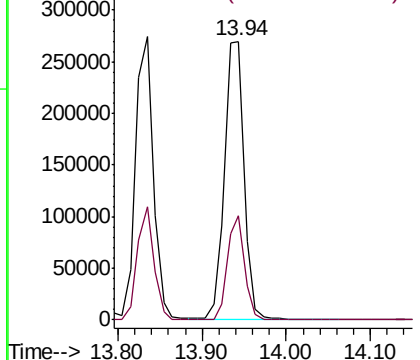


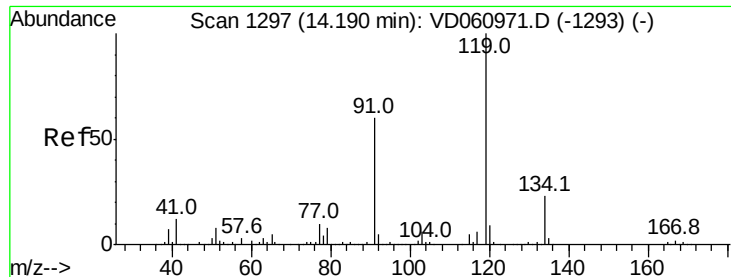
#82
4-Chlorotoluene
Concen: 22.591 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 91 Resp: 436828
Ion Ratio Lower Upper
91 100
126 37.4 18.0 54.0



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





#83

tert-Butylbenzene

Concen: 26.352 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

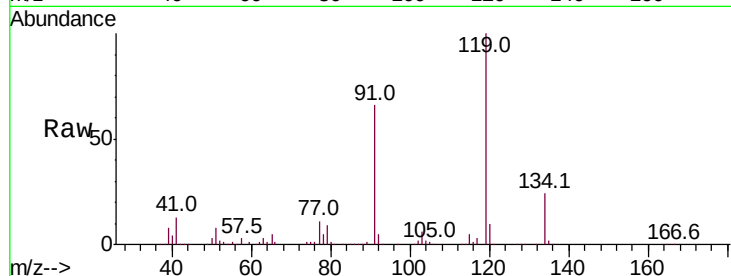
Tot Ion:119 Resp: 555601

Ion Ratio Lower Upper

119 100

91 65.7 30.1 90.3

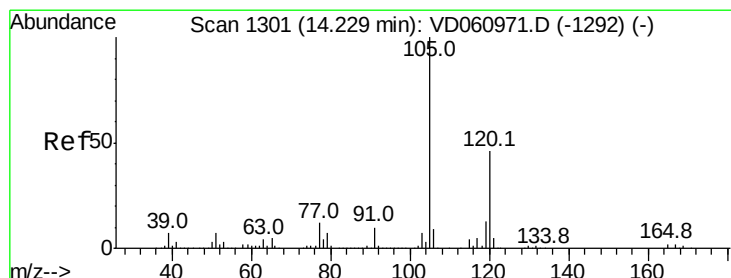
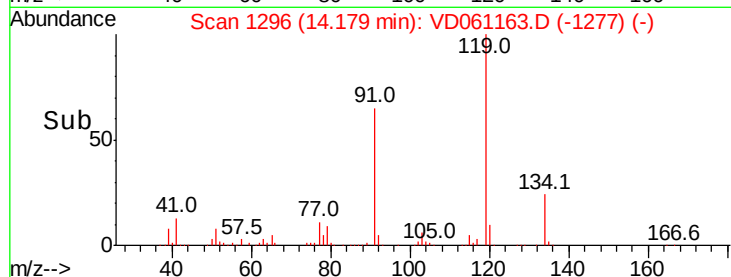
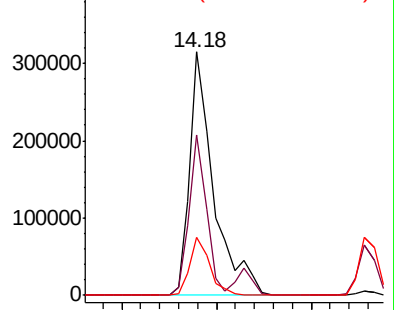
134 23.8 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 24.163 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061163.D

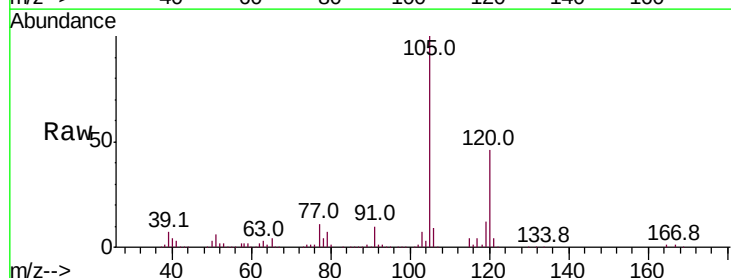
Acq: 19 Mar 2019 1:18

Tgt Ion:105 Resp: 465524

Ion Ratio Lower Upper

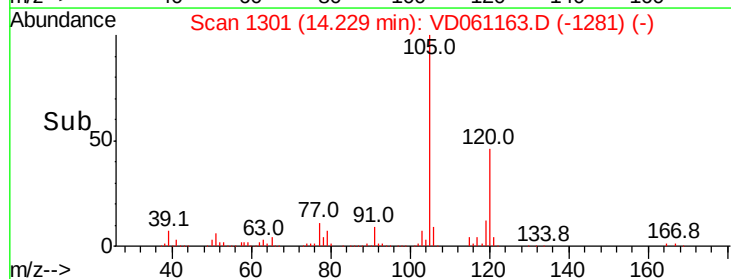
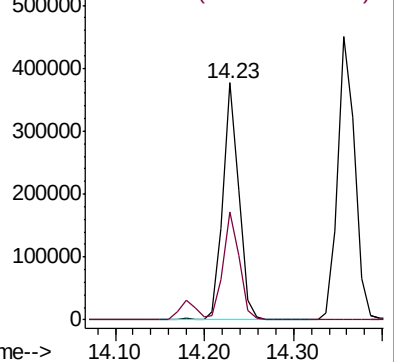
105 100

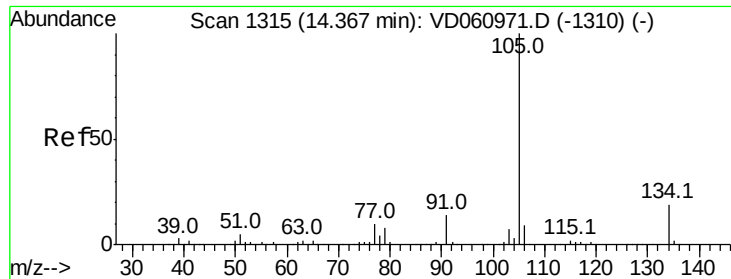
120 45.6 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.892 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

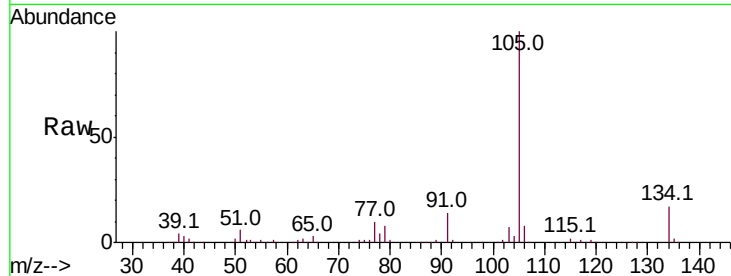
VD0318SBS02

Tot Ion:105 Resp: 589228

Ion Ratio Lower Upper

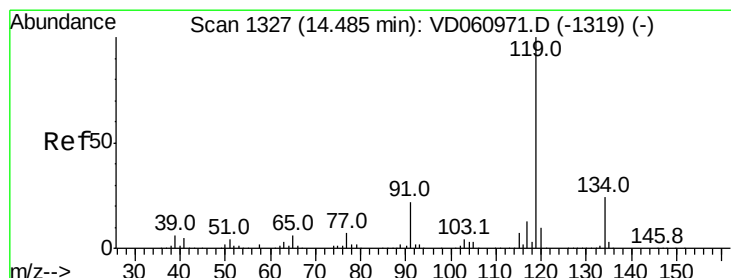
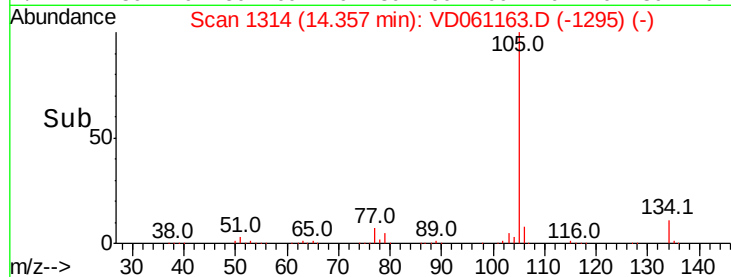
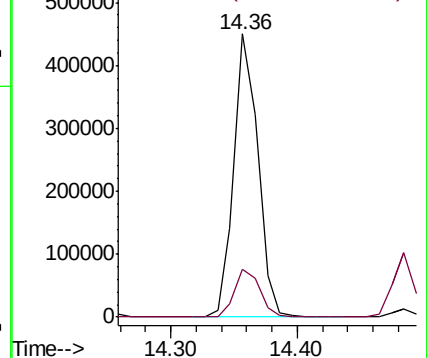
105 100

134 16.7 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.290 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

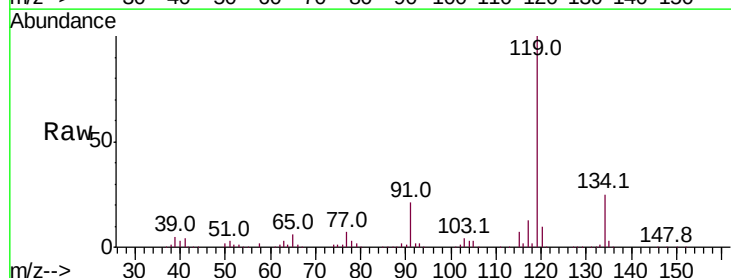
Tgt Ion:119 Resp: 490012

Ion Ratio Lower Upper

119 100

134 24.9 12.0 36.1

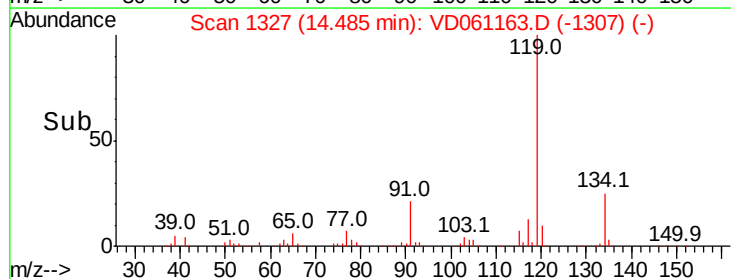
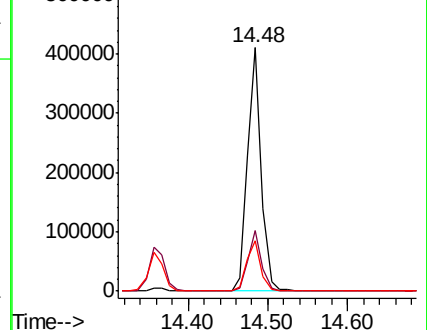
91 20.9 11.2 33.6

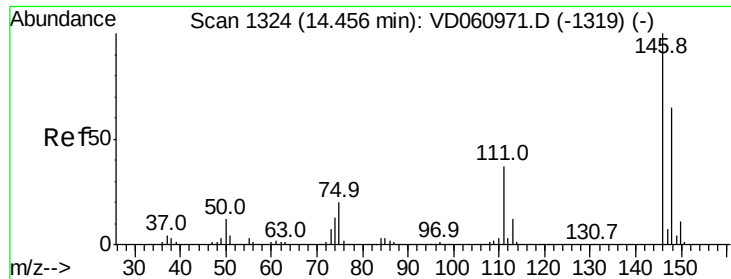


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

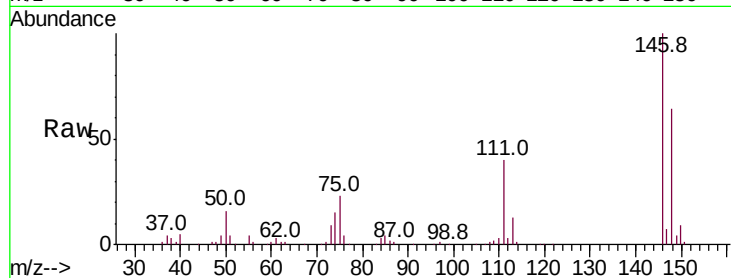




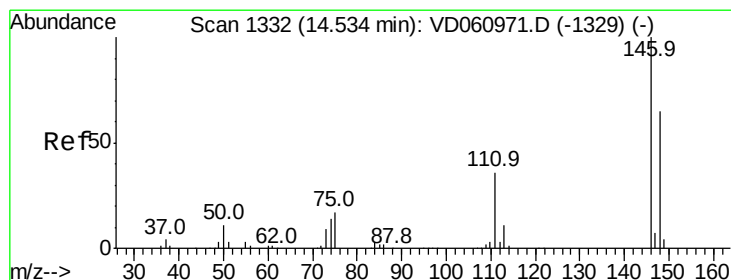
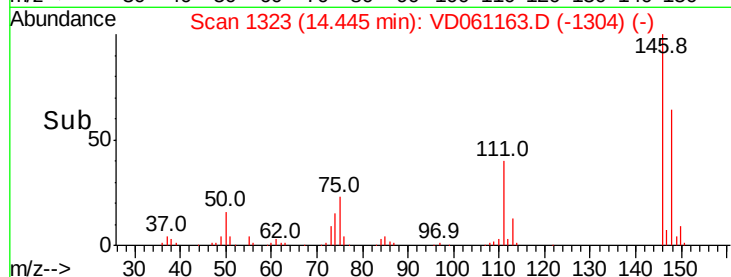
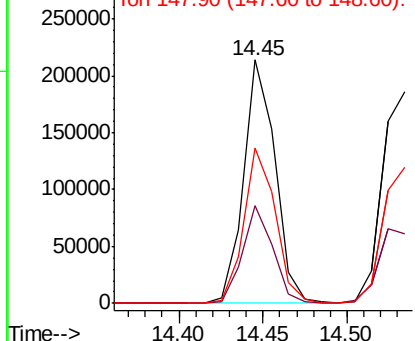
#87
 1,3-Dichlorobenzene
 Concen: 23.940 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Tot Ion:146 Resp: 276928
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.4 55.4
 148 63.9 32.5 97.4

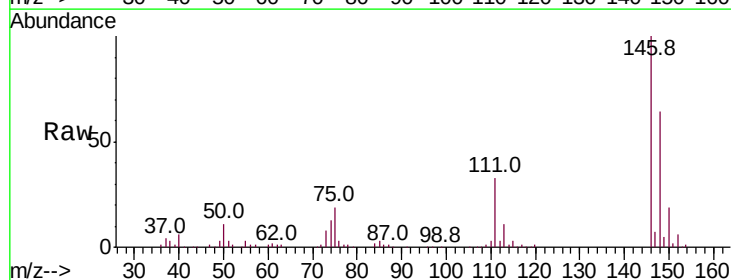


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

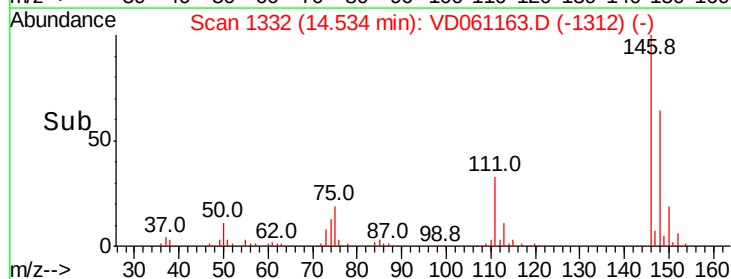
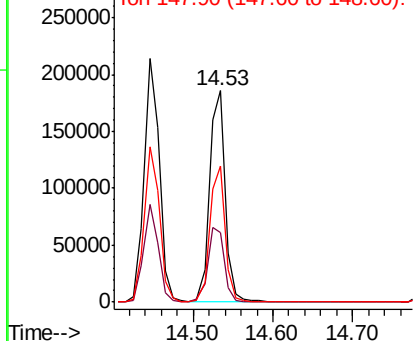


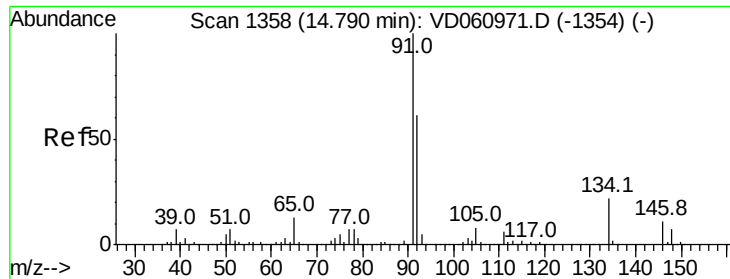
#88
 1,4-Dichlorobenzene
 Concen: 22.495 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion:146 Resp: 255704
 Ion Ratio Lower Upper
 146 100
 111 32.8 18.4 55.2
 148 64.4 32.5 97.5



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

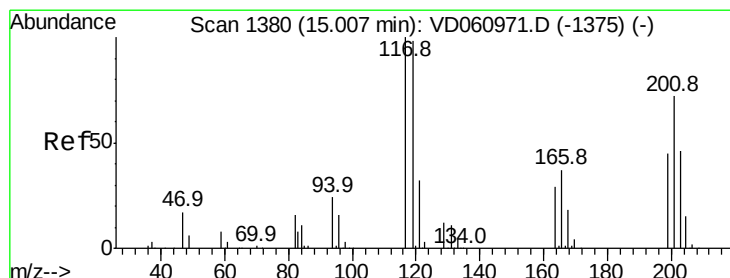
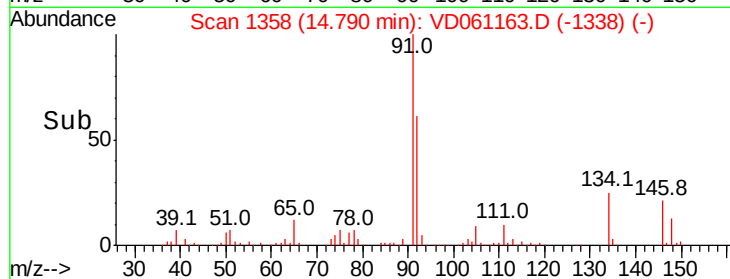
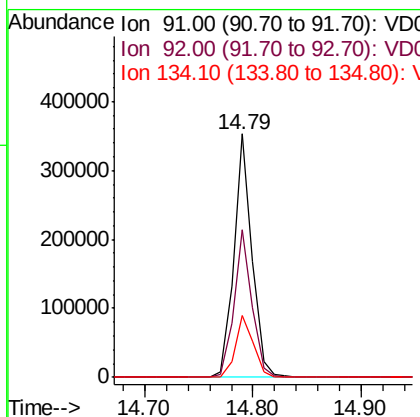
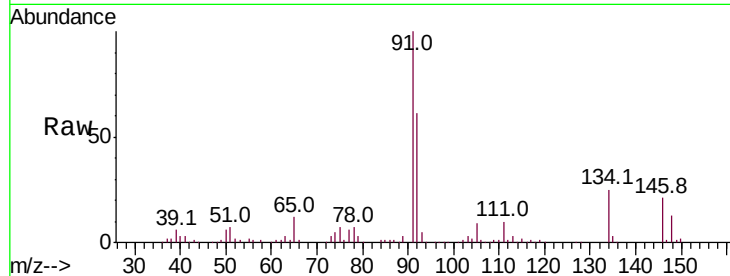




#89
n-Butylbenzene
Concen: 20.320 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

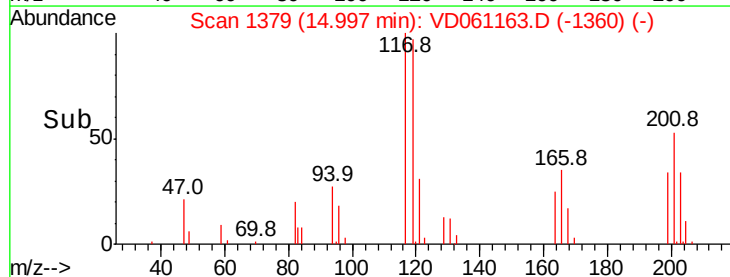
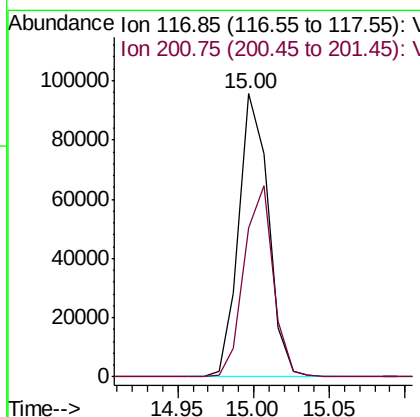
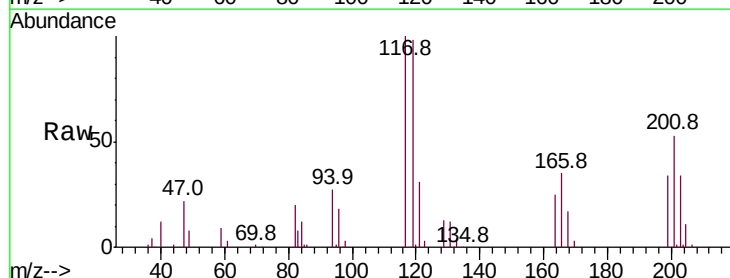
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBSD02

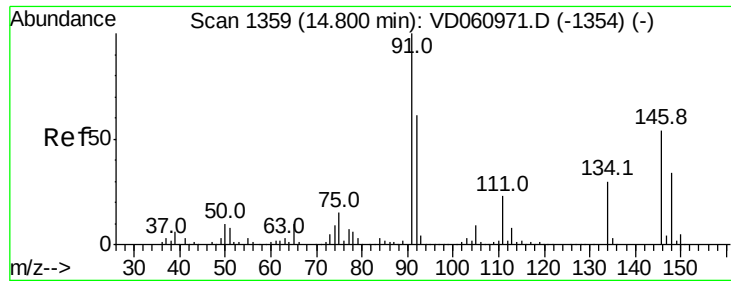
Tot Ion: 91 Resp: 410548
Ion Ratio Lower Upper
91 100
92 60.7 30.6 91.8
134 25.1 11.0 33.0



#90
Hexachloroethane
Concen: 21.899 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion: 117 Resp: 130102
Ion Ratio Lower Upper
117 100
201 52.7 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 24.279 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBSD02

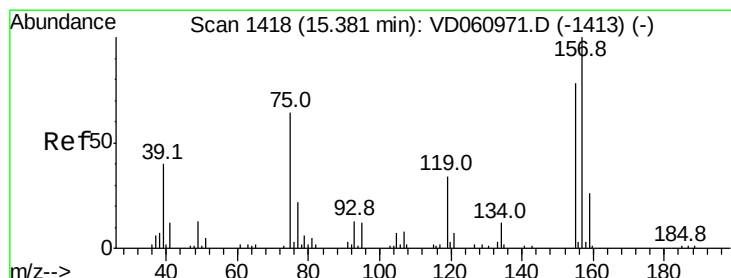
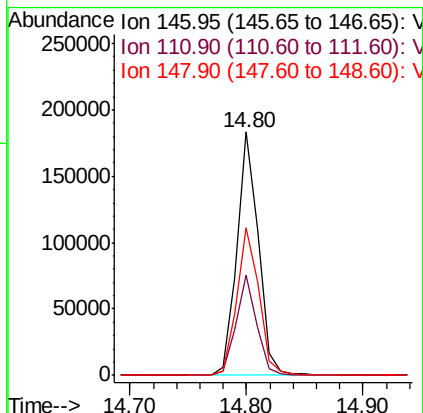
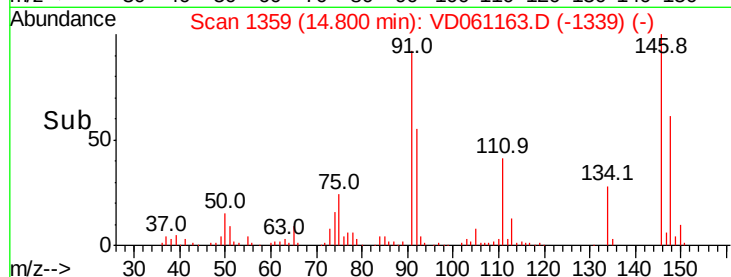
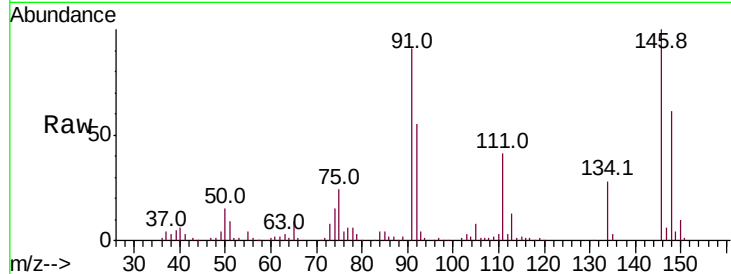
Tot Ion:146 Resp: 234136

Ion Ratio Lower Upper

146 100

111 41.3 21.5 64.5

148 60.5 30.9 92.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.471 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD061163.D

Acq: 19 Mar 2019 1:18

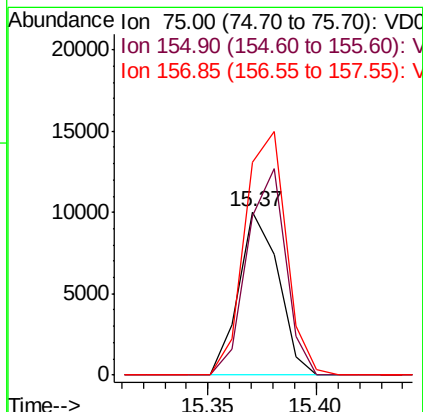
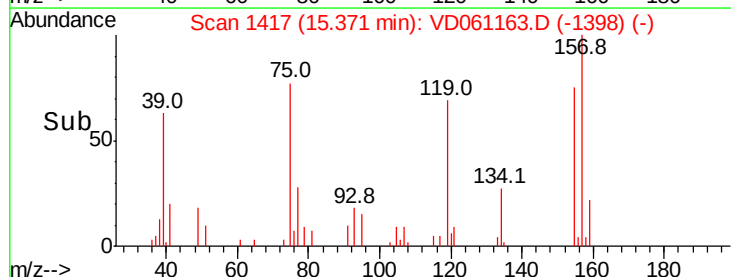
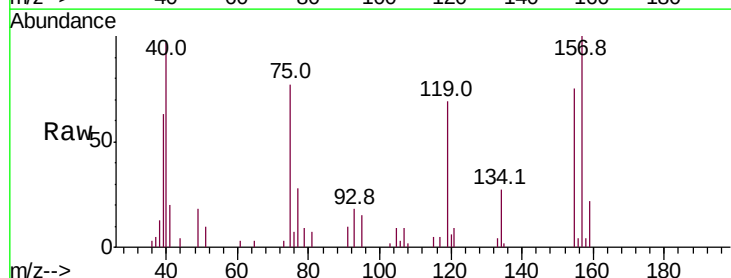
Tgt Ion: 75 Resp: 12811

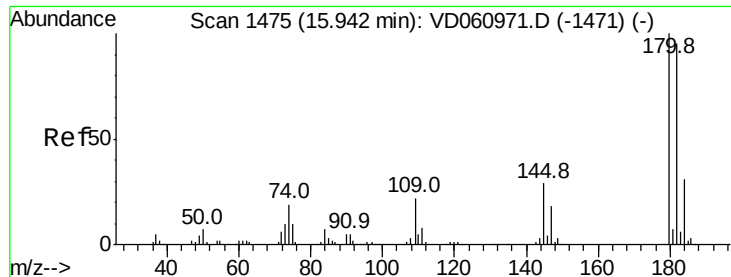
Ion Ratio Lower Upper

75 100

155 97.0 61.2 183.5

157 129.9 78.3 234.8

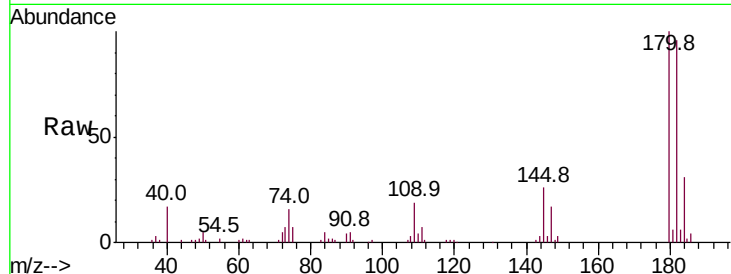




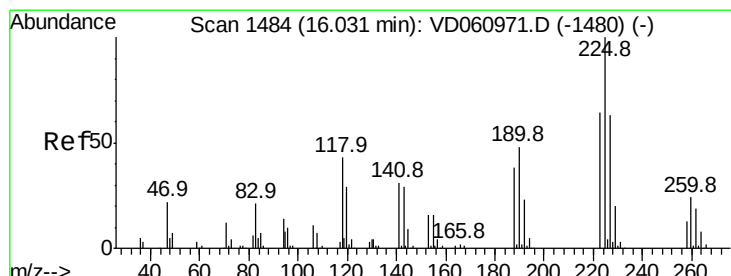
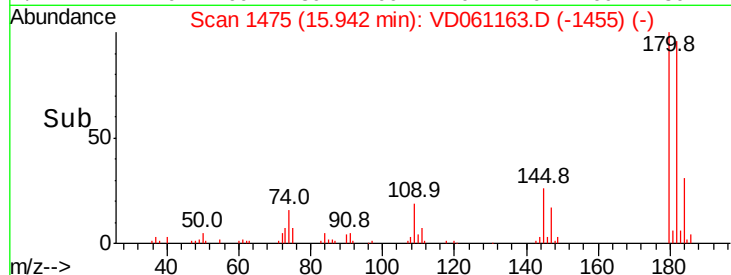
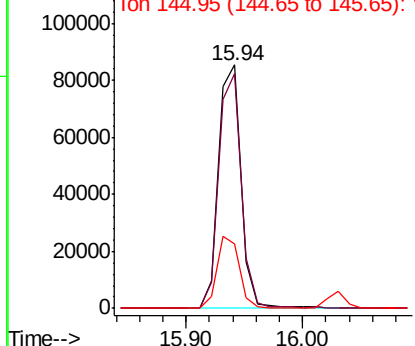
#93
 1,2,4-Trichlorobenzene
 Concen: 25.674 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Tot Ion:180 Resp: 114857
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.3 142.0
 145 26.3 14.4 43.0

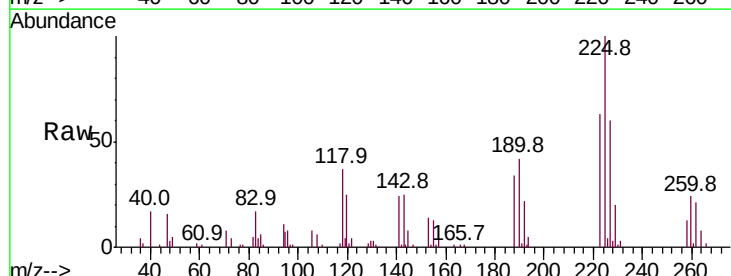


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

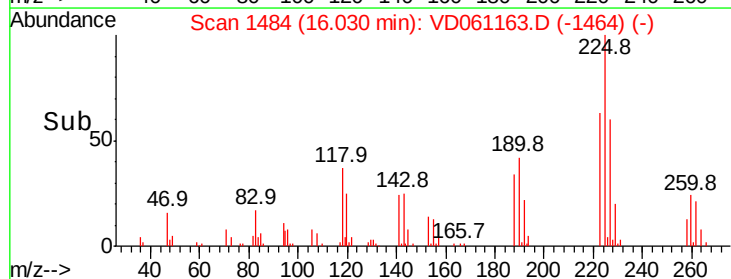
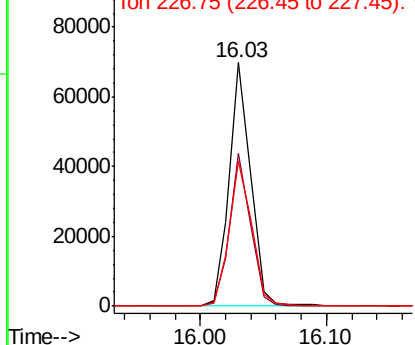


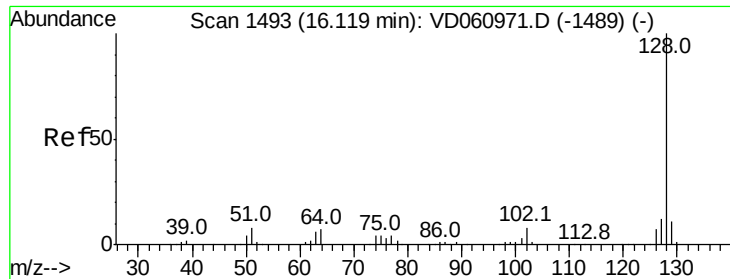
#94
 Hexachlorobutadiene
 Concen: 24.104 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061163.D
 Acq: 19 Mar 2019 1:18

Tgt Ion:225 Resp: 81562
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.8 95.3
 227 59.6 31.4 94.0



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

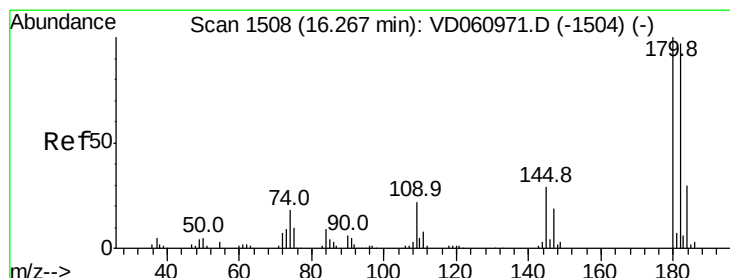
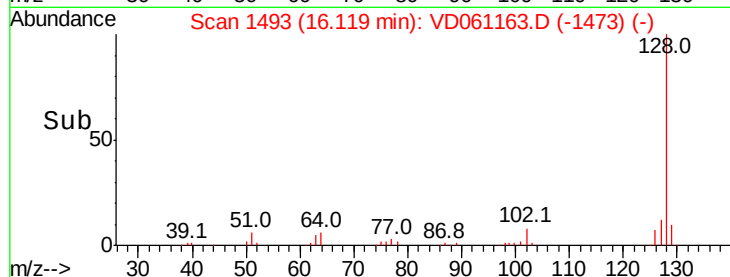
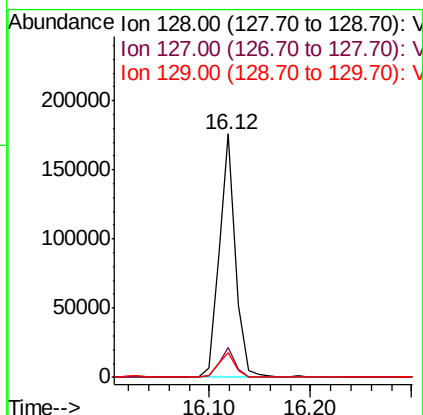
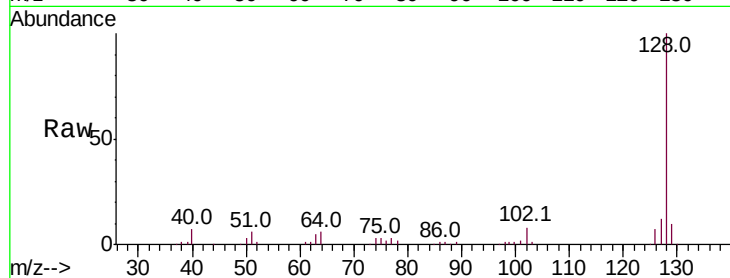




#95
Naphthalene
Concen: 29.195 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Tot Ion:128 Resp: 198470
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 24.762 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061163.D
Acq: 19 Mar 2019 1:18

Tgt Ion:180 Resp: 54711
Ion Ratio Lower Upper
180 100
182 99.1 48.6 145.8
145 28.4 14.3 42.9

