

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060230.D
 Acq On : 29 Oct 2018 15:45
 Operator : VA/AP
 Sample : VD1029SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Quant Time: Oct 29 16:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1510153	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2119124	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	1725054	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	947464	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	642985	56.17	ug/l	0.04
Spiked Amount			Recovery	=	112.34%	
35) Dibromofluoromethane	6.34	113	852238	52.96	ug/l	0.04
Spiked Amount			Recovery	=	105.92%	
50) Toluene-d8	9.47	98	2368428	51.61	ug/l	0.03
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.44	95	912331	53.10	ug/l	0.02
Spiked Amount			Recovery	=	106.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	282887	19.914	ug/l	99
3) Chloromethane	1.76	50	307982	24.043	ug/l	99
4) Vinyl Chloride	1.86	62	249246	23.776	ug/l	99
5) Bromomethane	2.15	94	21091	16.023	ug/l	99
6) Chloroethane	2.26	64	53359	18.653	ug/l	95
7) Trichlorofluoromethane	2.51	101	292191	23.278	ug/l	93
8) Diethyl Ether	2.84	74	69622	26.974	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.10	101	207267	26.506	ug/l	95
10) Methyl Iodide	3.26	142	196164	23.655	ug/l	97
11) Tert butyl alcohol	3.99	59	83539	101.756	ug/l #	94
12) 1,1-Dichloroethene	3.08	96	165622	26.885	ug/l	88
13) Acrolein	2.99	56	45448	89.802	ug/l	93
14) Allyl chloride	3.54	41	319399	24.964	ug/l	99
15) Acrylonitrile	4.11	53	416377	122.532	ug/l	100
16) Acetone	3.17	43	338642	163.033	ug/l	100
17) Carbon Disulfide	3.33	76	493970	23.845	ug/l	99
18) Methyl Acetate	3.57	43	122383	27.413	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	646624	23.874	ug/l	98
20) Methylene Chloride	3.73	84	398017	21.930	ug/l	97
21) trans-1,2-Dichloroethene	4.12	96	353392	22.212	ug/l	99
22) Diisopropyl ether	4.87	45	1357903	23.765	ug/l	96
23) Vinyl Acetate	4.82	43	3993158	124.328	ug/l	99
24) 1,1-Dichloroethane	4.77	63	608398	23.484	ug/l	100
25) 2-Butanone	5.64	43	700608	135.013	ug/l	96
26) 2,2-Dichloropropane	5.60	77	489041	24.900	ug/l	95
27) cis-1,2-Dichloroethene	5.61	96	385520	22.870	ug/l	92
28) Bromochloromethane	5.94	49	298098	23.678	ug/l	98
29) Tetrahydrofuran	5.97	42	365853	121.379	ug/l	99
30) Chloroform	6.11	83	618609	23.605	ug/l	98
31) Cyclohexane	6.39	56	535787	21.604	ug/l	97
32) 1,1,1-Trichloroethane	6.31	97	496657	23.132	ug/l	99
36) 1,1-Dichloropropene	6.54	75	453322	22.386	ug/l	97
37) Ethyl Acetate	5.71	43	334100	24.856	ug/l	96
38) Carbon Tetrachloride	6.52	117	413668	22.507	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	517432	22.489	ug/l	96
40) Benzene	6.81	78	1176178	22.201	ug/l	99
41) Methacrylonitrile	5.97	41	372179	48.988	ug/l #	89
42) 1,2-Dichloroethane	6.91	62	359557	23.673	ug/l	97
43) Isopropyl Acetate	8.37	43	417884	23.632	ug/l	100
44) Trichloroethene	7.76	130	361544	22.046	ug/l	97
45) 1,2-Dichloropropane	8.12	63	322597	23.256	ug/l	100
46) Dibromomethane	8.23	93	207552	23.110	ug/l	91
47) Bromodichloromethane	8.50	83	443699	23.187	ug/l	96
48) Methyl methacrylate	8.26	41	242932	24.118	ug/l	99
49) 1,4-Dioxane	8.25	88	44720	451.226	ug/l #	89
51) 4-Methyl-2-Pentanone	9.36	43	1401459	125.652	ug/l	98
52) Toluene	9.57	92	761345	22.314	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	410875	23.730	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	496690	23.230	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	263904	23.660	ug/l	97
56) Ethyl methacrylate	10.05	69	284308	23.091	ug/l	99
57) 1,3-Dichloropropane	10.39	76	403889	23.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.94	63	800248	117.042	ug/l	97
59) 2-Hexanone	10.50	43	1072947	133.780	ug/l	98
60) Dibromochloromethane	10.65	129	318144	23.247	ug/l	100
61) 1,2-Dibromoethane	10.77	107	273852	23.107	ug/l	99
64) Tetrachloroethene	10.27	164	321383	21.271	ug/l	98
65) Chlorobenzene	11.33	112	849667	22.768	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	294591	23.662	ug/l	98
67) Ethyl Benzene	11.44	91	1452822	24.028	ug/l	99
68) m/p-Xylenes	11.57	106	1091499	48.314	ug/l	95
69) o-Xylene	11.95	106	523583	23.431	ug/l	98
70) Styrene	11.97	104	868769	23.248	ug/l	99
71) Bromoform	12.13	173	232965	23.109	ug/l	99
73) Isopropylbenzene	12.28	105	1429596	22.871	ug/l	98
74) N-amyl acetate	12.15	43	534717	23.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	305118	22.360	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	310336	22.744	ug/l	98
77) Bromobenzene	12.55	156	396079	21.806	ug/l	97
78) n-propylbenzene	12.65	91	1783390	22.978	ug/l	98
79) 2-Chlorotoluene	12.72	91	970440	22.528	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1116573	23.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	84088	21.932	ug/l	97
82) 4-Chlorotoluene	12.81	91	1144321	23.487	ug/l	93
83) tert-Butylbenzene	13.06	119	1229168	22.141	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1112043	21.811	ug/l	97
85) sec-Butylbenzene	13.23	105	1481942	22.577	ug/l	98
86) p-Isopropyltoluene	13.36	119	1231550	22.875	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	701048	22.153	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	702123	22.088	ug/l	97
89) n-Butylbenzene	13.65	91	1267041	24.119	ug/l	98
90) Hexachloroethane	13.87	117	276217	22.169	ug/l	80
91) 1,2-Dichlorobenzene	13.67	146	627288	23.574	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	40689	22.332	ug/l	71

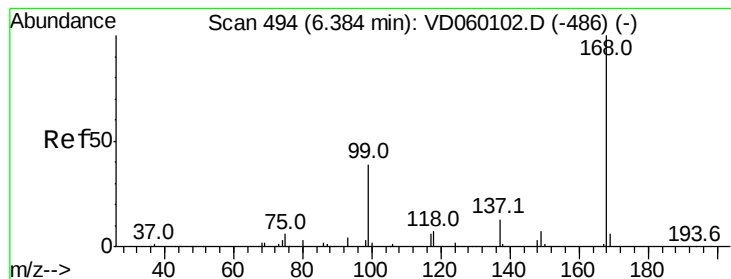
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102918\
Data File : VD060230.D
Acq On : 29 Oct 2018 15:45
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Sample : VD1029SBSD01
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	452974	20.056	ug/l	97
94) Hexachlorobutadiene	14.89	225	316315	21.070	ug/l	99
95) Naphthalene	14.98	128	718438	21.460	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	409429	20.839	ug/l	97

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

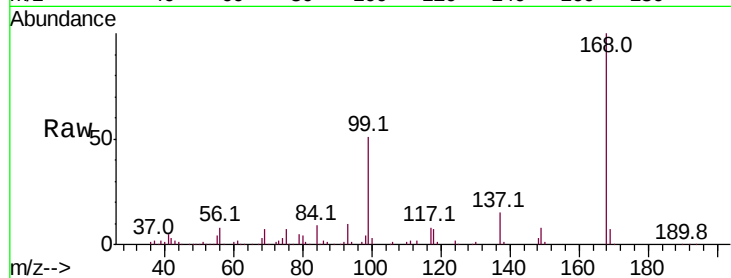


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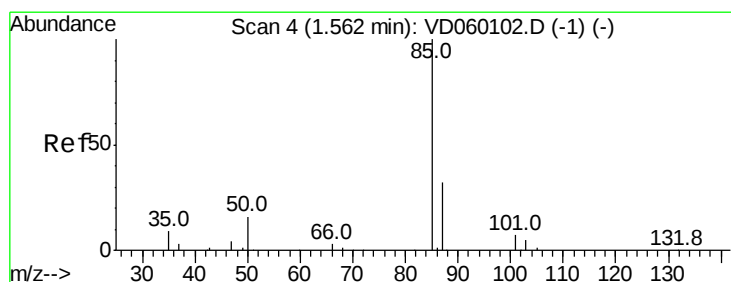
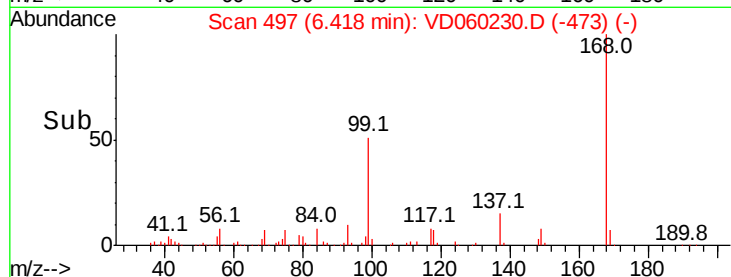
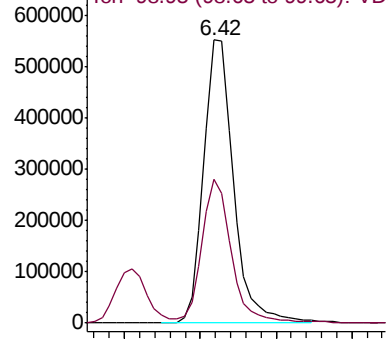
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.42 min Scan# 497
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
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 VD1029SBSD01

Tot Ion:168 Resp: 1510153
 Ion Ratio Lower Upper
 168 100
 99 50.7 35.4 53.0



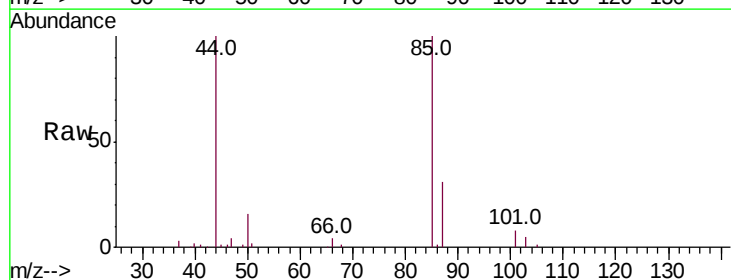
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



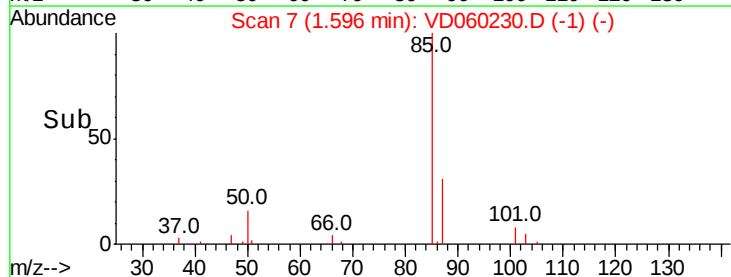
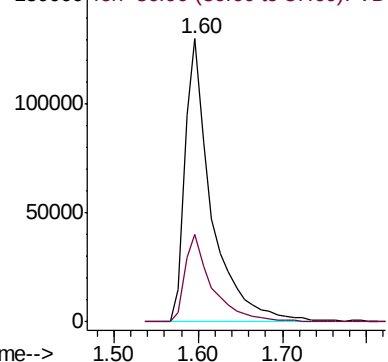
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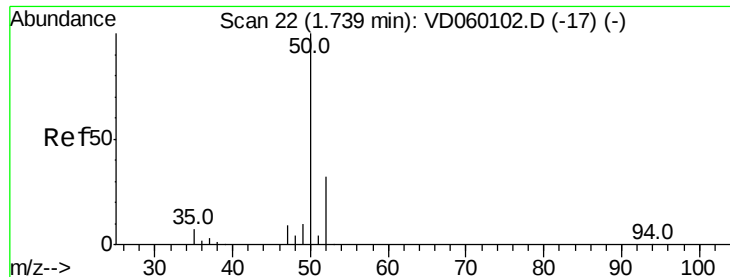
Dichlorodifluoromethane
 Concen: 19.914 ug/l
 RT: 1.60 min Scan# 7
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion: 85 Resp: 282887
 Ion Ratio Lower Upper
 85 100
 87 30.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.043 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

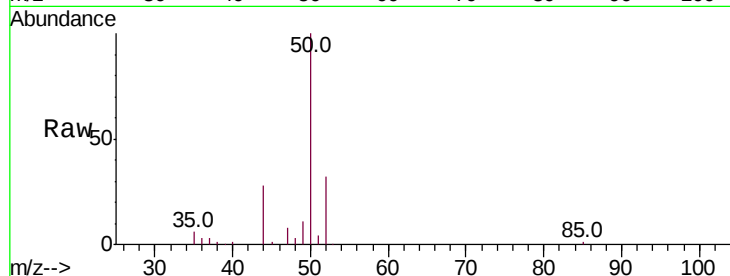
VD1029SBS01

Tot Ion: 50 Resp: 307982

Ion Ratio Lower Upper

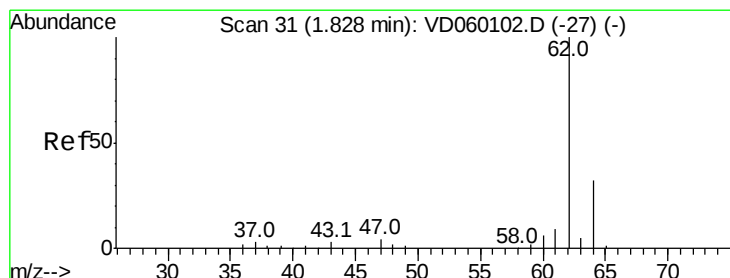
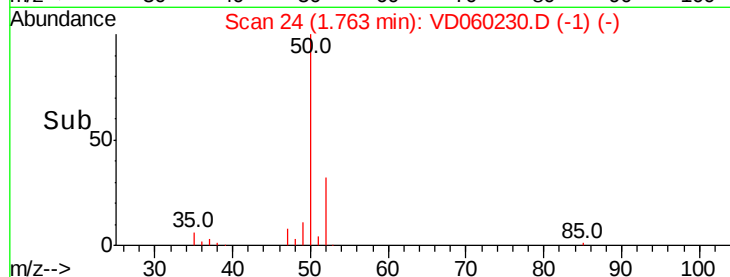
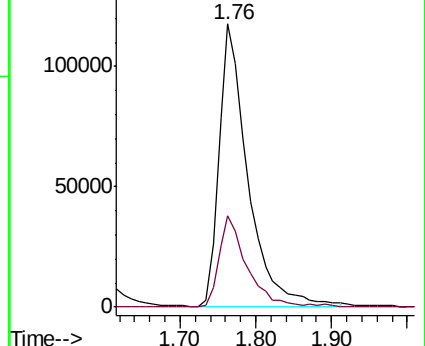
50 100

52 32.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.776 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060230.D

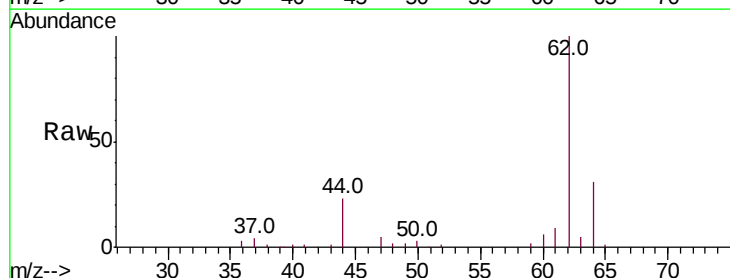
Acq: 29 Oct 2018 15:45

Tgt Ion: 62 Resp: 249246

Ion Ratio Lower Upper

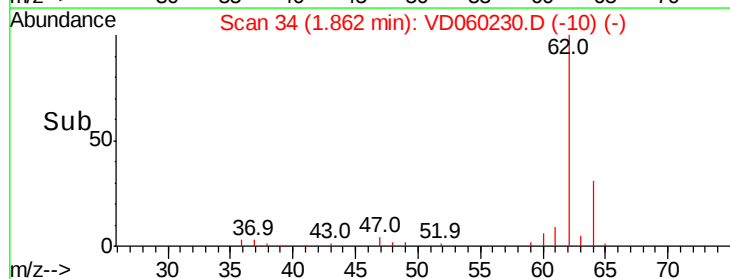
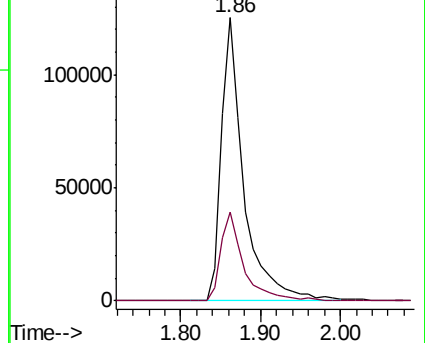
62 100

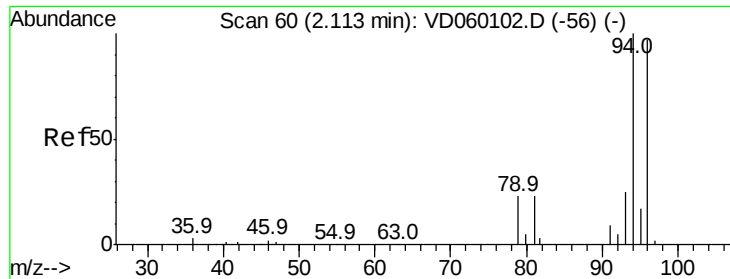
64 31.2 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

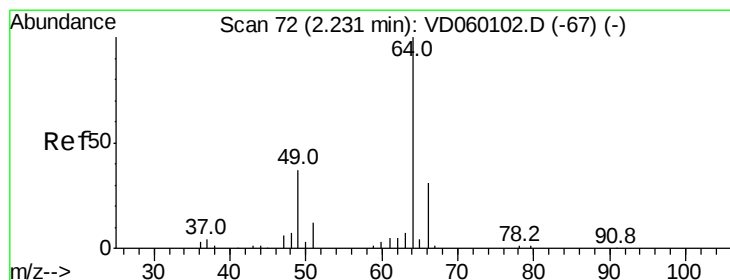
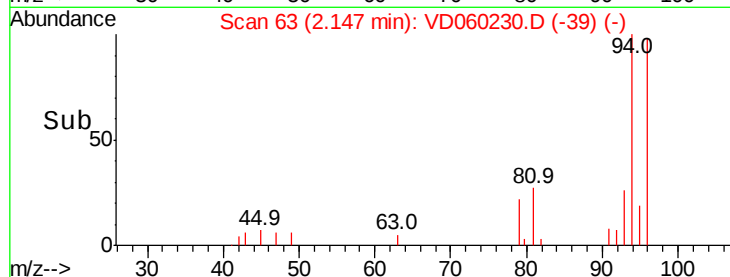
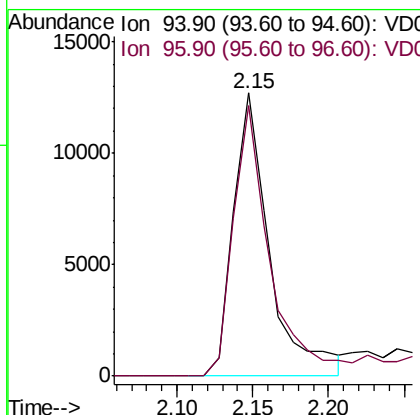
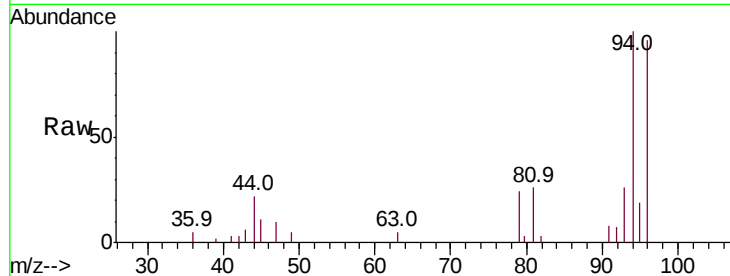




#5
Bromomethane
Concen: 16.023 ug/l
RT: 2.15 min Scan# 63
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

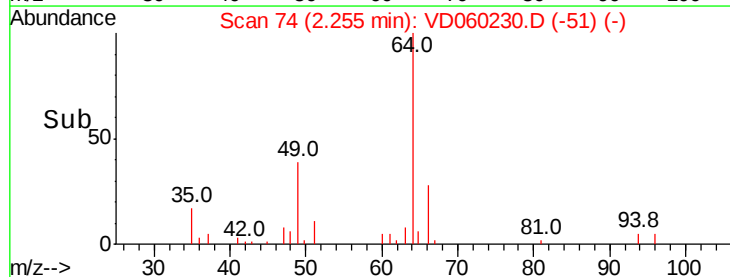
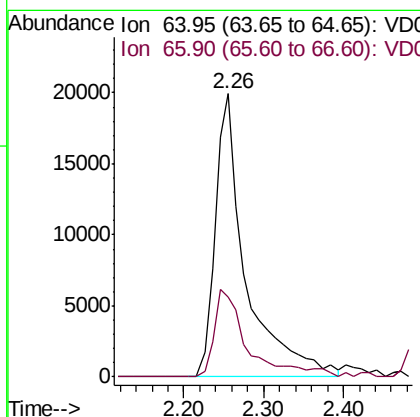
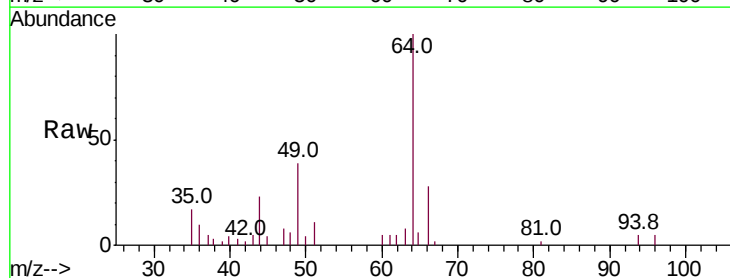
Instrument :
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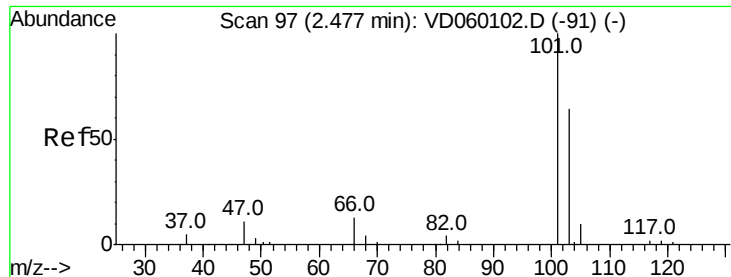
Tot Ion: 94 Resp: 21091
Ion Ratio Lower Upper
94 100
96 95.7 77.4 116.2



#6
Chloroethane
Concen: 18.653 ug/l
RT: 2.26 min Scan# 74
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 64 Resp: 53359
Ion Ratio Lower Upper
64 100
66 28.0 24.6 37.0



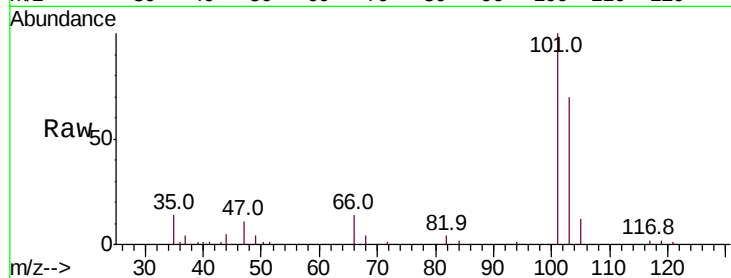


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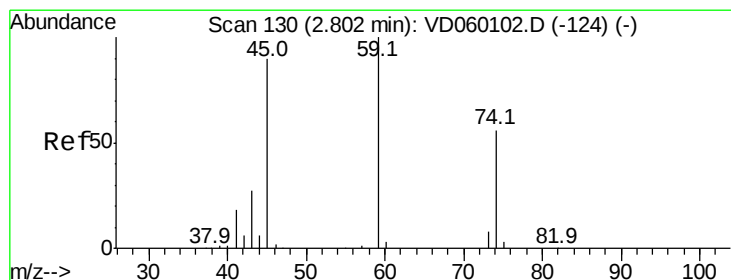
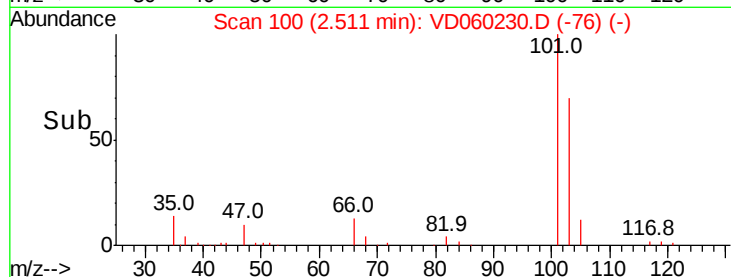
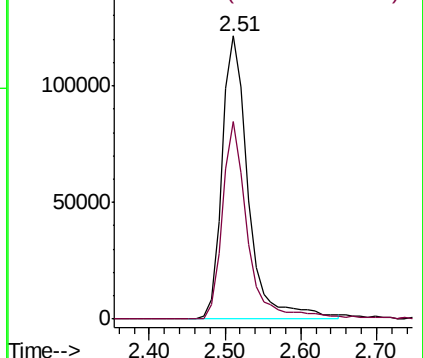
Trichlorofluoromethane
 Concen: 23.278 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tot Ion:101 Resp: 292191
 Ion Ratio Lower Upper
 101 100
 103 69.6 51.5 77.3



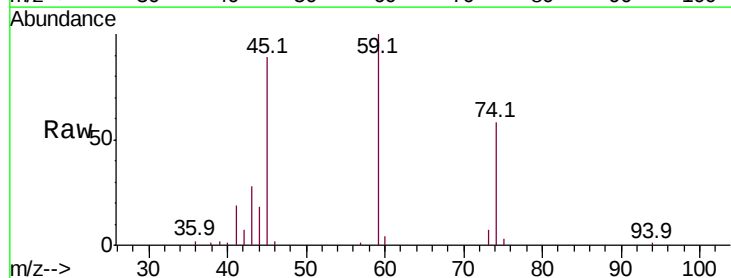
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



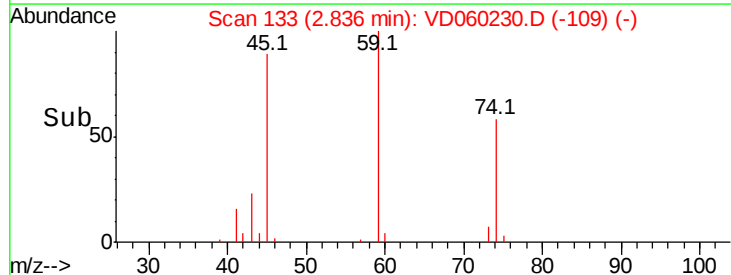
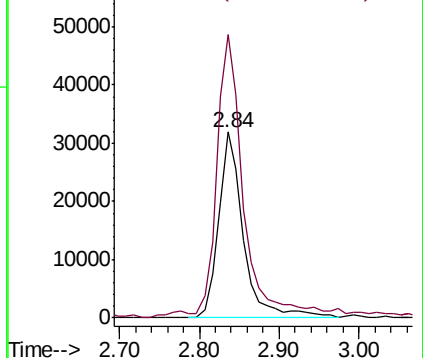
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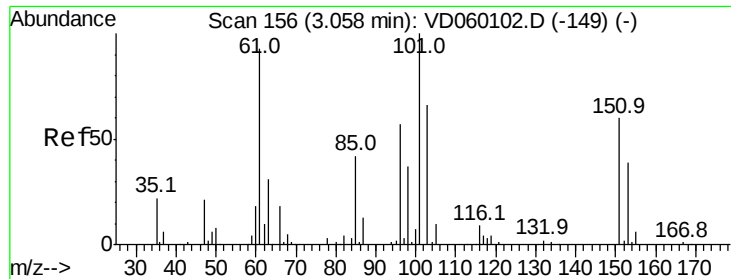
Diethyl Ether
 Concen: 26.974 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion: 74 Resp: 69622
 Ion Ratio Lower Upper
 74 100
 45 152.3 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.506 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

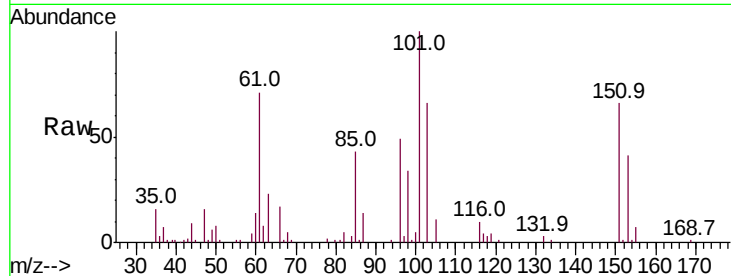
Tot Ion:101 Resp: 207267

Ion Ratio Lower Upper

101 100

85 42.9 33.4 50.0

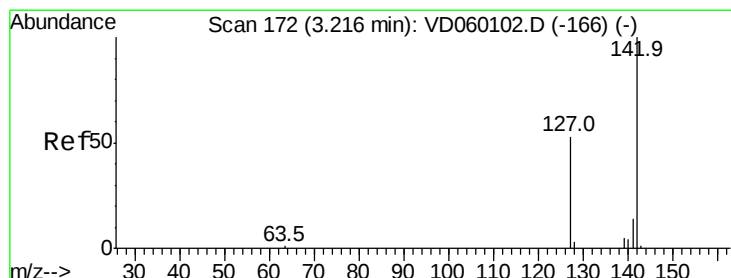
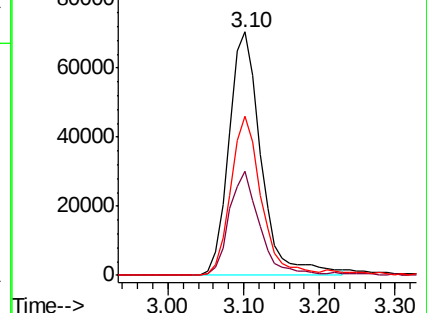
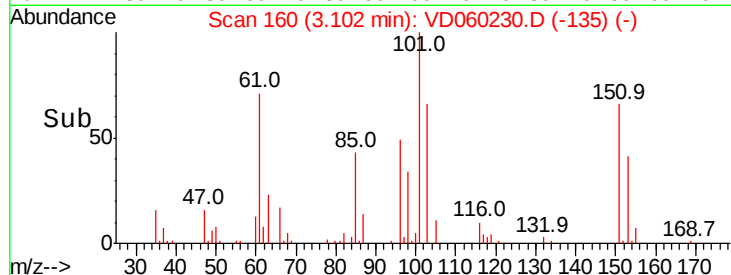
151 65.6 48.0 72.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 23.655 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

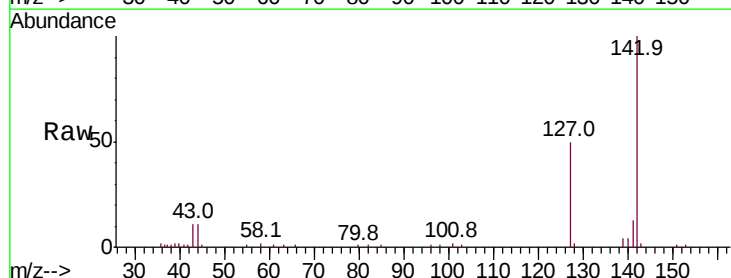
Tgt Ion:142 Resp: 196164

Ion Ratio Lower Upper

142 100

127 50.4 42.0 63.0

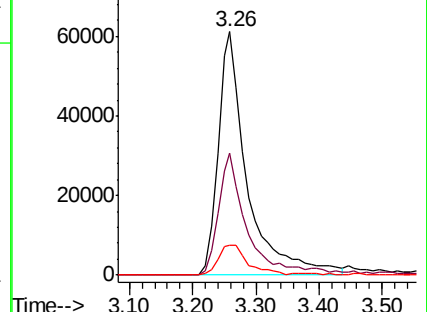
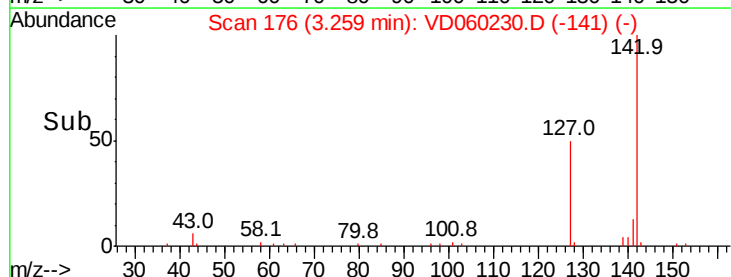
141 12.5 11.4 17.0

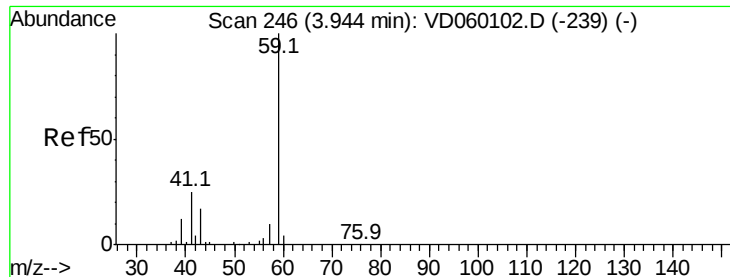


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



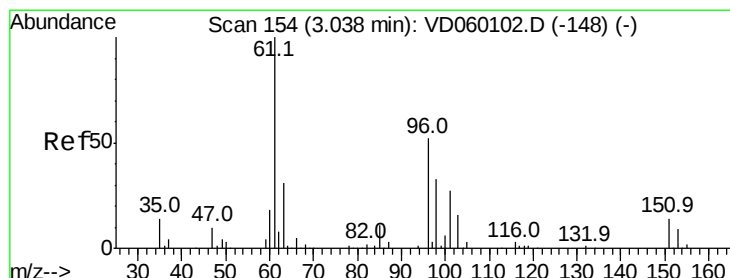
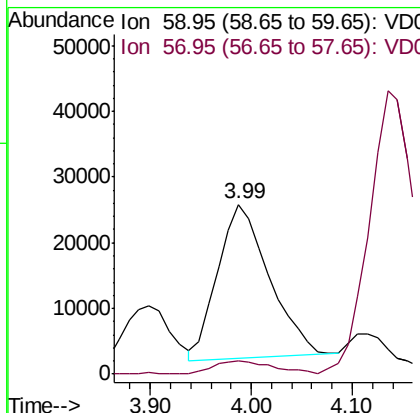
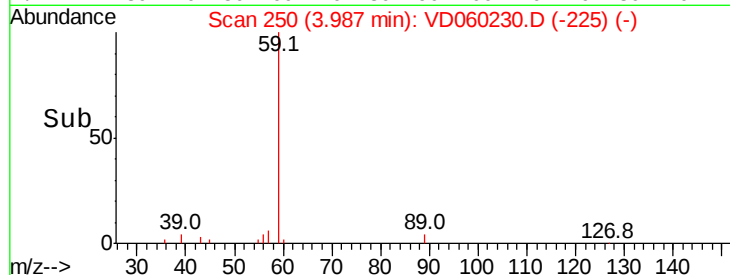
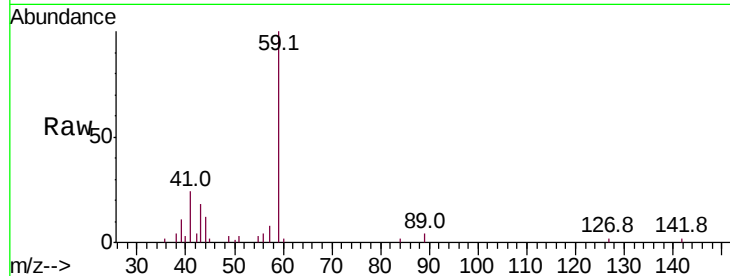


#11

Tert butyl alcohol
 Concen: 101.756 ug/l
 RT: 3.99 min Scan# 250
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

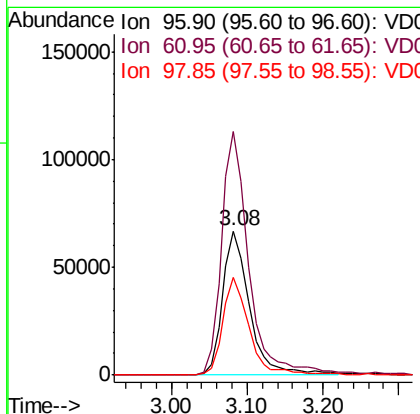
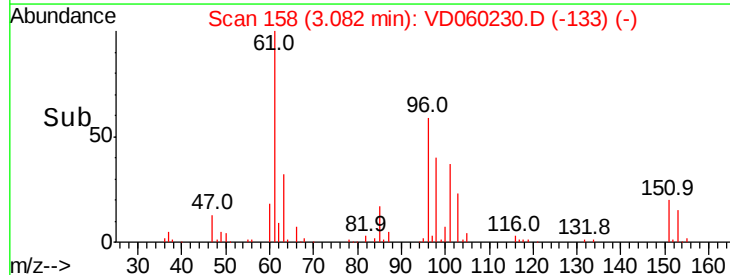
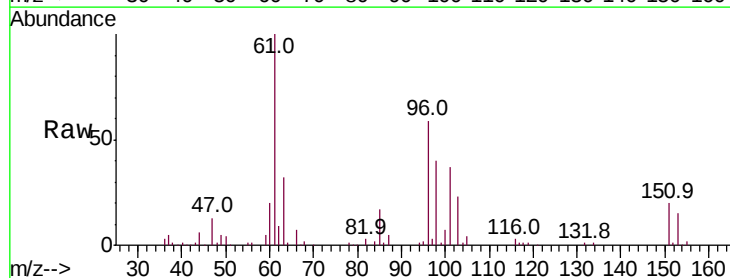
Tot Ion: 59 Resp: 83539
 Ion Ratio Lower Upper
 59 100
 57 7.6 7.8 11.6#

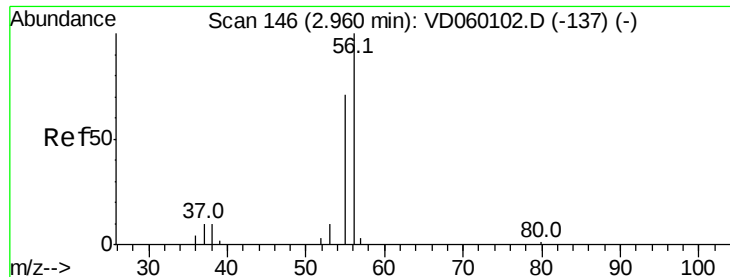


#12

1,1-Dichloroethene
 Concen: 26.885 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion: 96 Resp: 165622
 Ion Ratio Lower Upper
 96 100
 61 169.0 153.0 229.4
 98 67.7 51.1 76.7





#13

Acrolein

Concen: 89.802 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

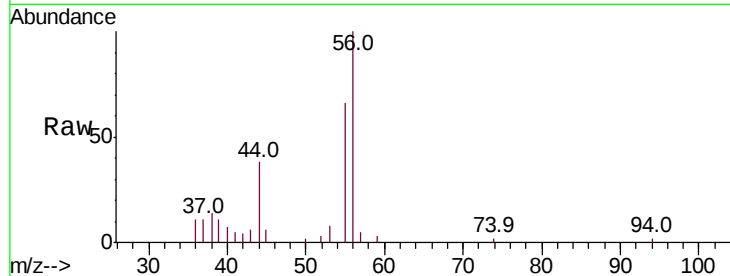
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion: 56 Resp: 45448

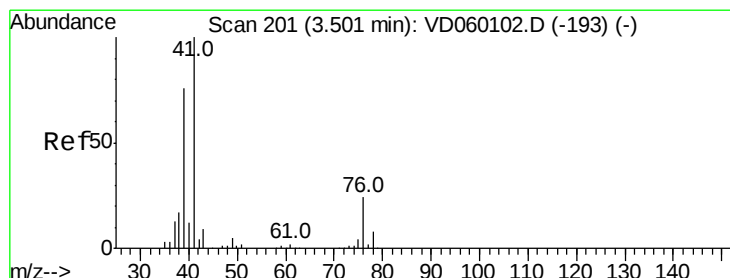
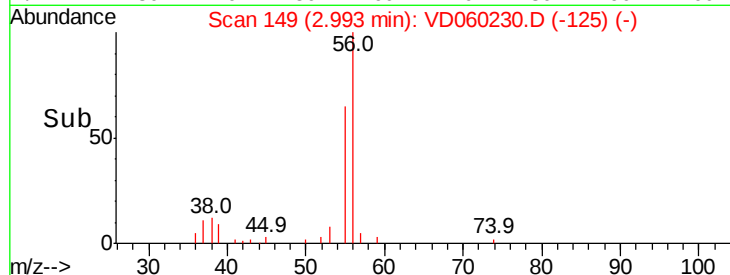
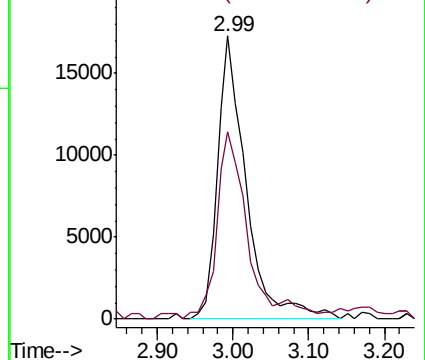
Ion Ratio Lower Upper

56 100

55 66.4 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.964 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

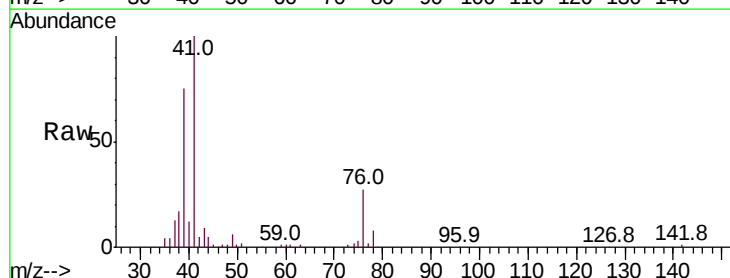
Tgt Ion: 41 Resp: 319399

Ion Ratio Lower Upper

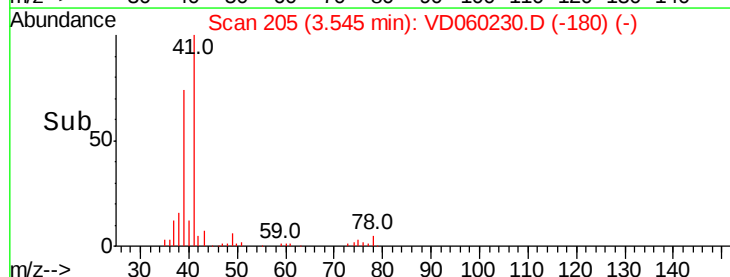
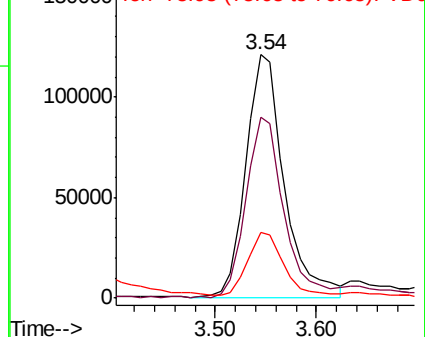
41 100

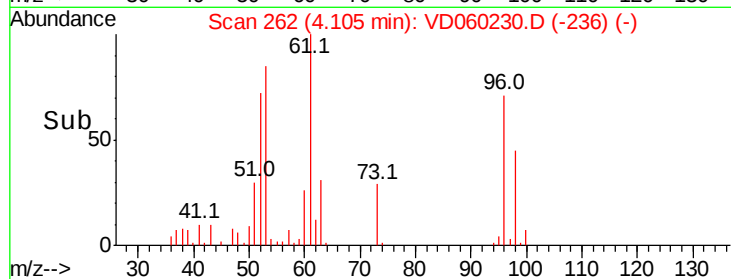
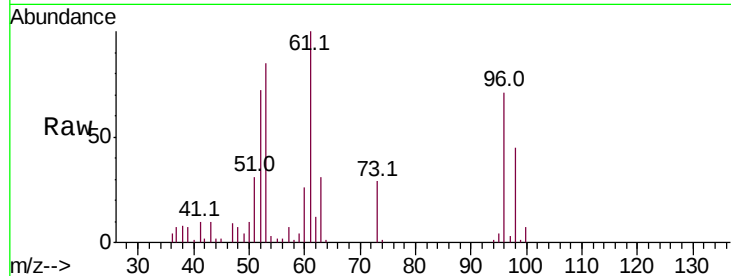
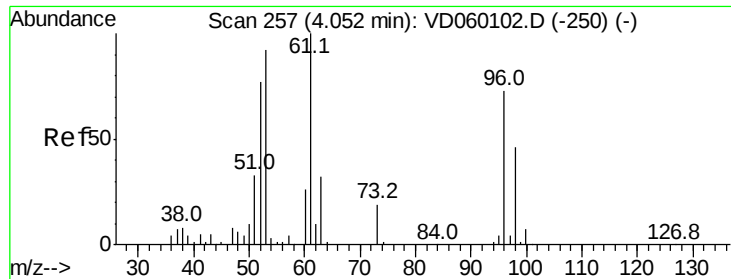
39 74.5 60.6 90.8

76 27.2 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 122.532 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.05 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

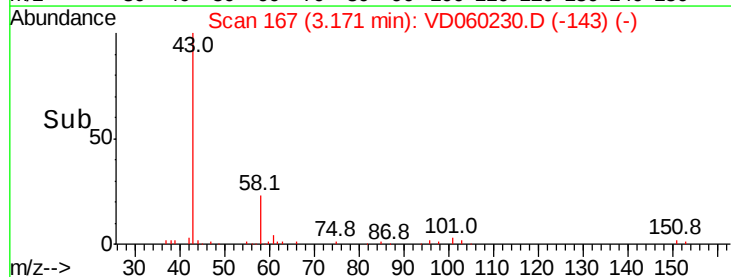
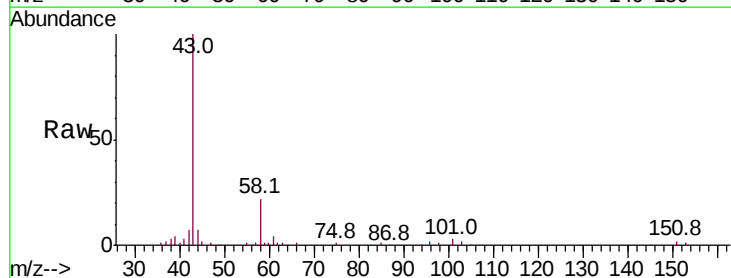
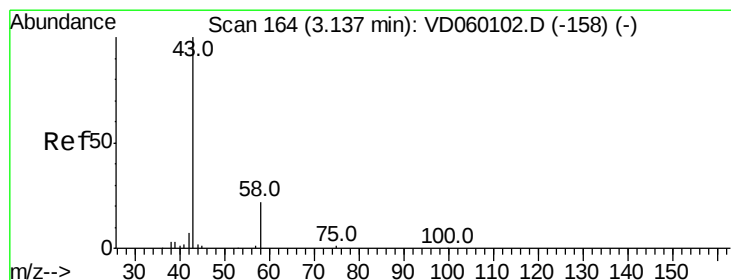
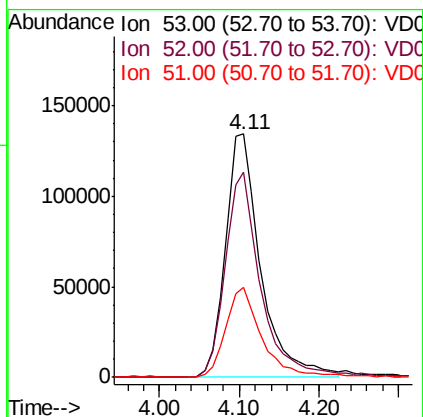
Tot Ion: 53 Resp: 416377

Ion Ratio Lower Upper

53 100

52 84.4 67.5 101.3

51 36.8 29.3 43.9



#16

Acetone

Concen: 163.033 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060230.D

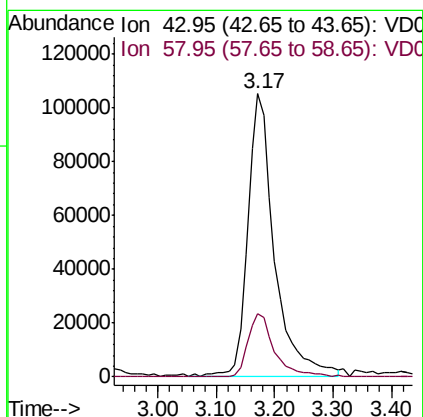
Acq: 29 Oct 2018 15:45

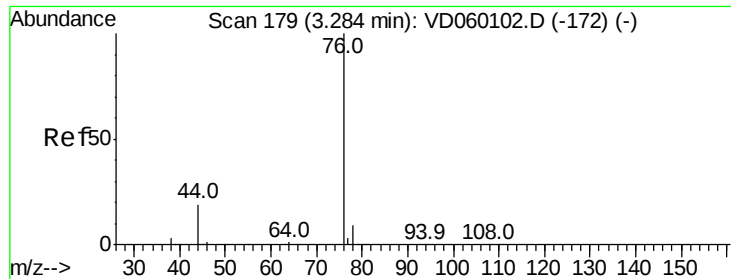
Tgt Ion: 43 Resp: 338642

Ion Ratio Lower Upper

43 100

58 22.3 17.7 26.5





#17

Carbon Disulfide

Concen: 23.845 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

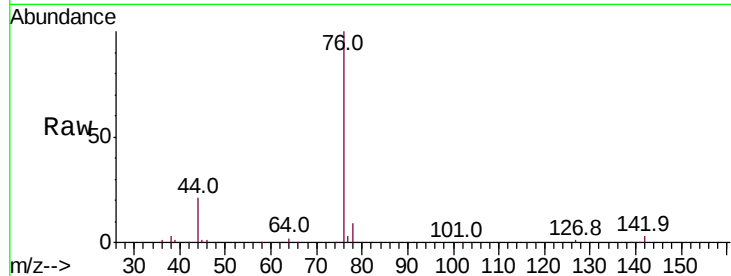
VD1029SBSD01

Tot Ion: 76 Resp: 493970

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

200000

150000

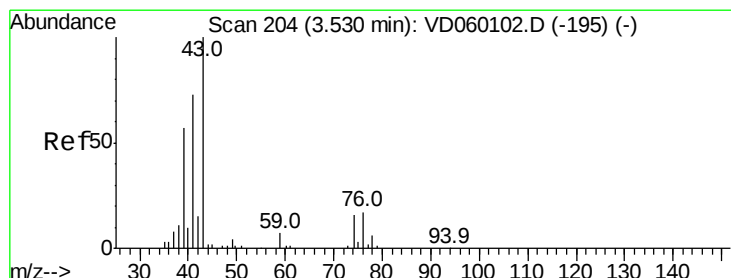
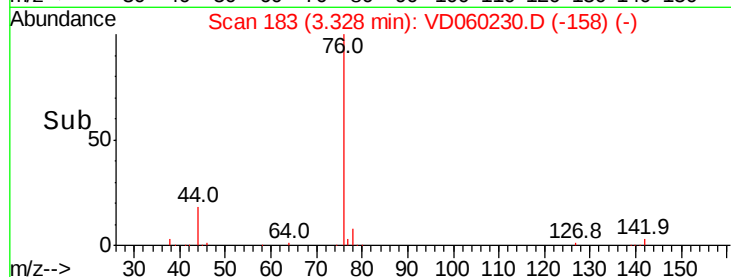
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 27.413 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.04 min

Lab File: VD060230.D

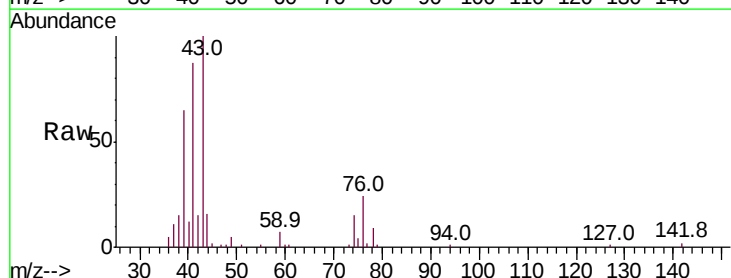
Acq: 29 Oct 2018 15:45

Tgt Ion: 43 Resp: 122383

Ion Ratio Lower Upper

43 100

74 14.9 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

50000

40000

30000

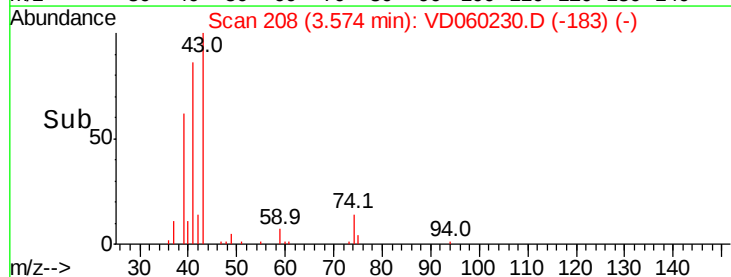
20000

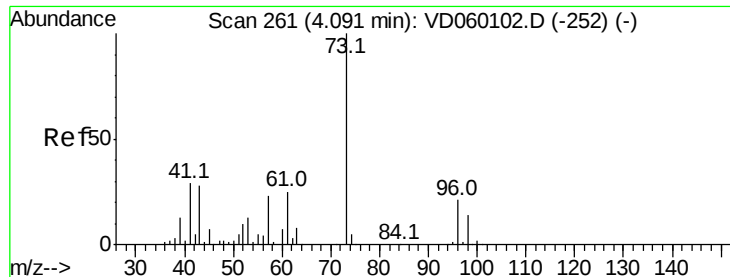
10000

0

3.40 3.50 3.60 3.70

Time-->



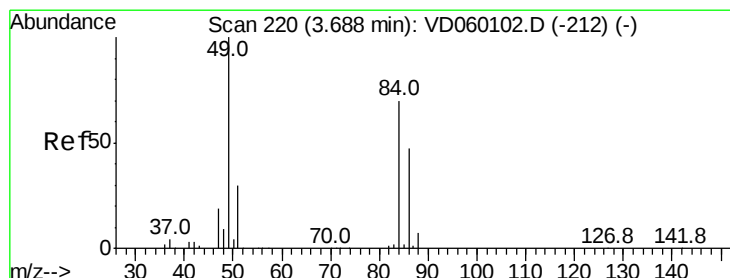
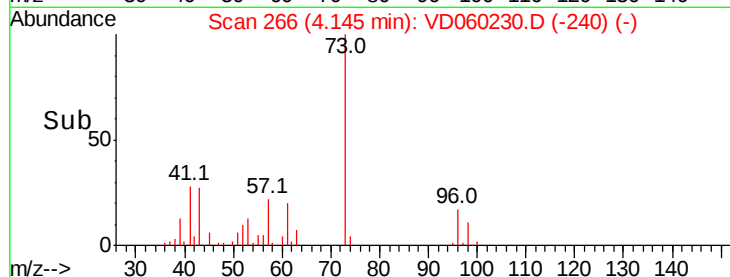
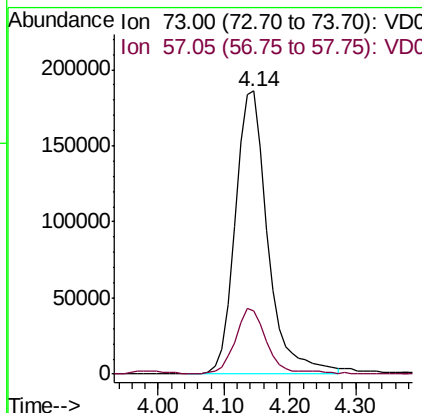
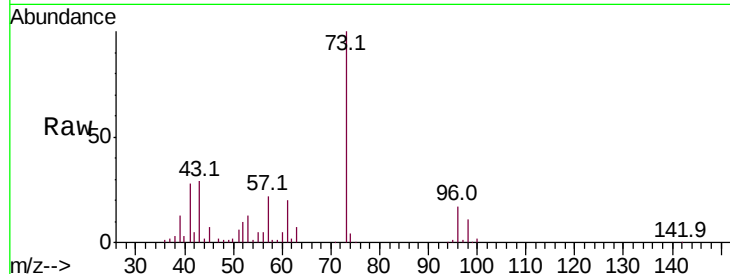


#19

Methyl tert-butyl Ether
 Concen: 23.874 ug/l
 RT: 4.14 min Scan# 266
 Delta R.T. 0.05 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

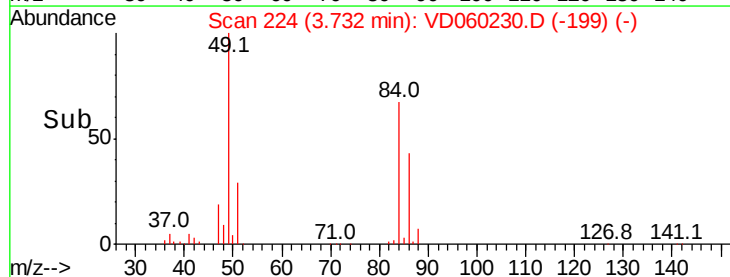
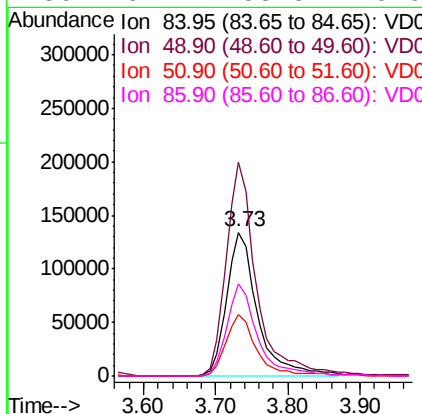
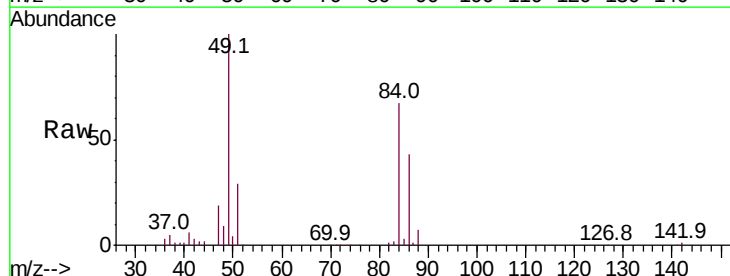
Tot Ion: 73 Resp: 646624
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.7 28.1

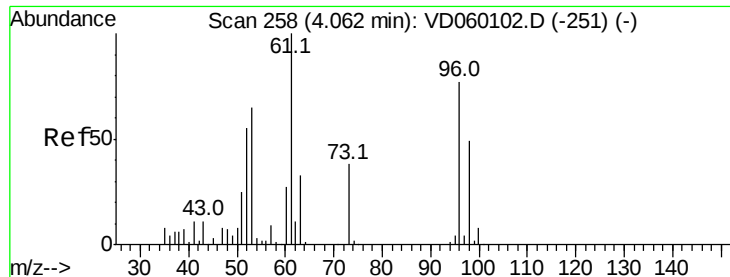


#20

Methylene Chloride
 Concen: 21.930 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion: 84 Resp: 398017
 Ion Ratio Lower Upper
 84 100
 49 148.8 114.6 172.0
 51 43.0 33.8 50.8
 86 64.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 22.212 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.05 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

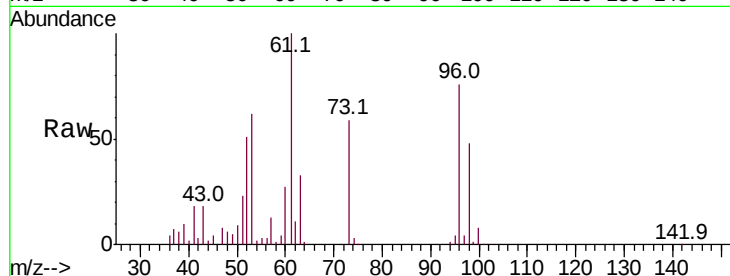
Tot Ion: 96 Resp: 353392

Ion Ratio Lower Upper

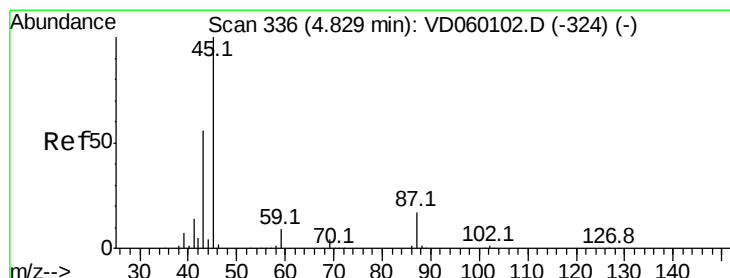
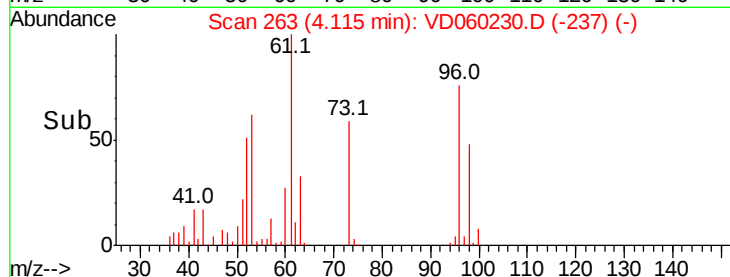
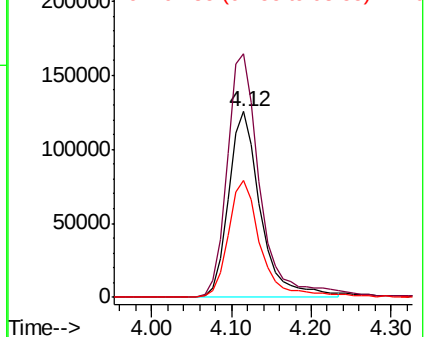
96 100

61 131.0 103.3 154.9

98 63.1 50.4 75.6



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



#22

Diisopropyl ether

Concen: 23.765 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion: 45 Resp: 1357903

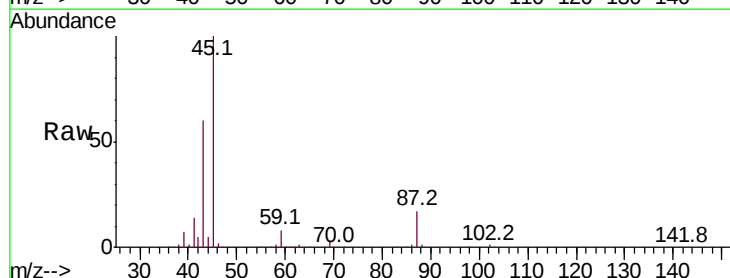
Ion Ratio Lower Upper

45 100

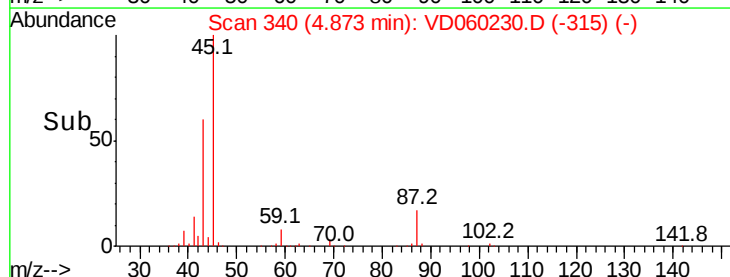
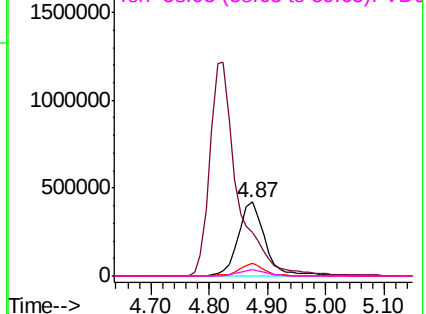
43 59.6 44.8 67.2

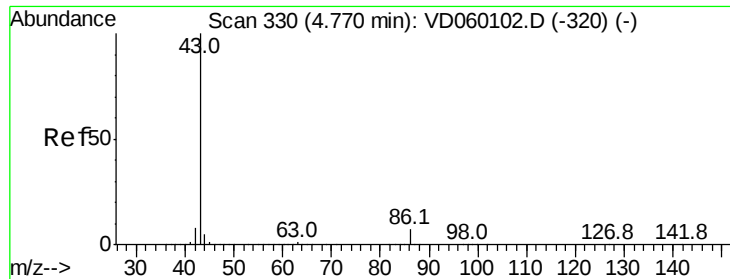
87 16.9 13.9 20.9

59 8.4 7.1 10.7



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

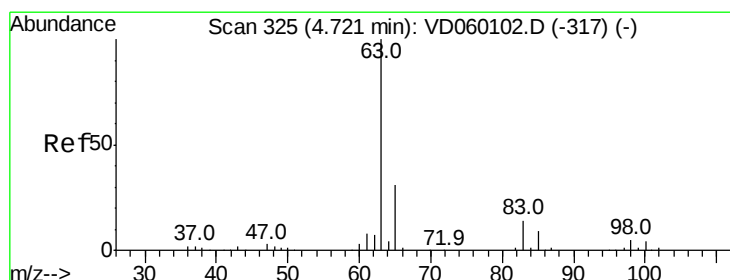
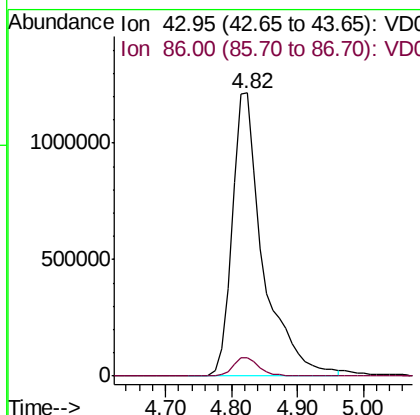
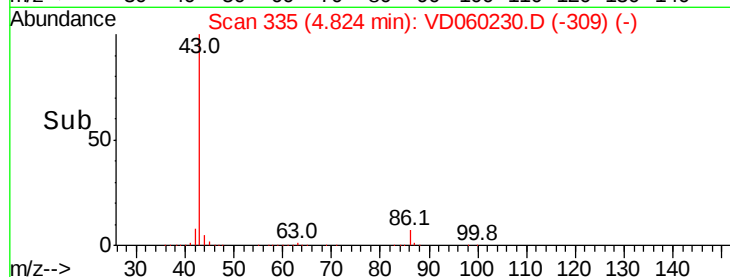
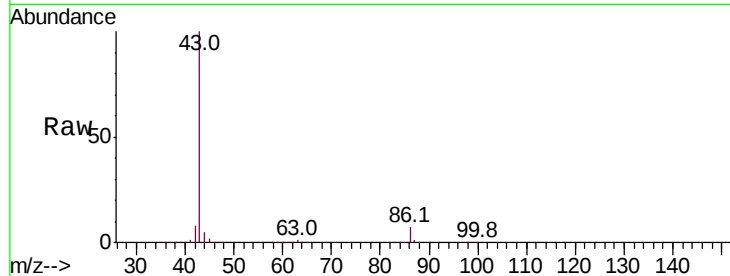




#23
 Vinyl Acetate
 Concen: 124.328 ug/l
 RT: 4.82 min Scan# 335
 Delta R.T. 0.05 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

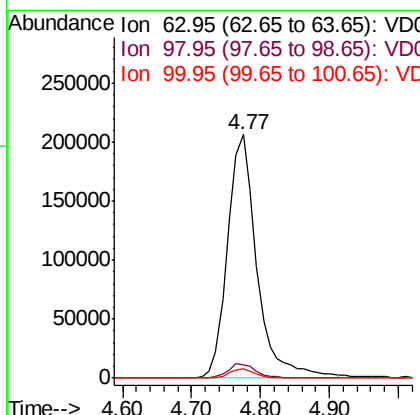
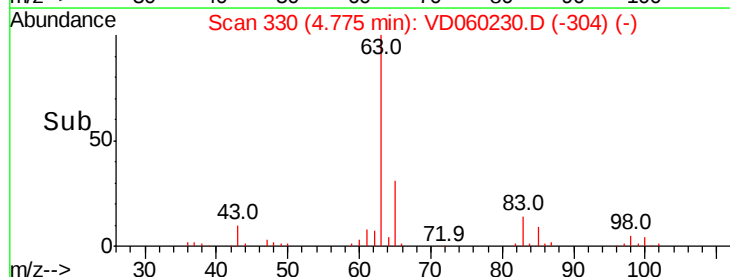
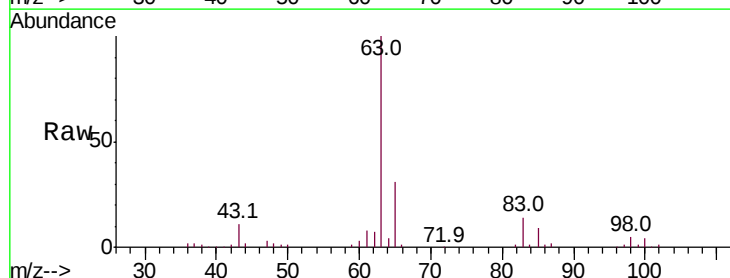
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

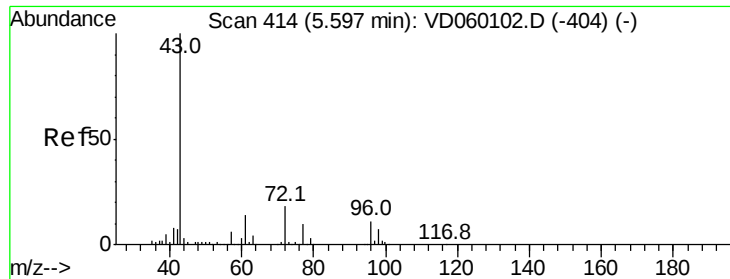
Tot Ion: 43 Resp: 3993158
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 23.484 ug/l
 RT: 4.77 min Scan# 330
 Delta R.T. 0.05 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion: 63 Resp: 608398
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 135.013 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

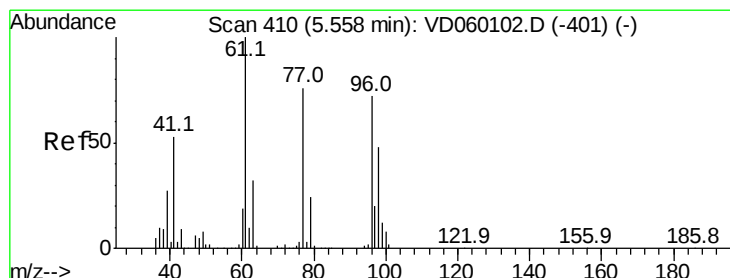
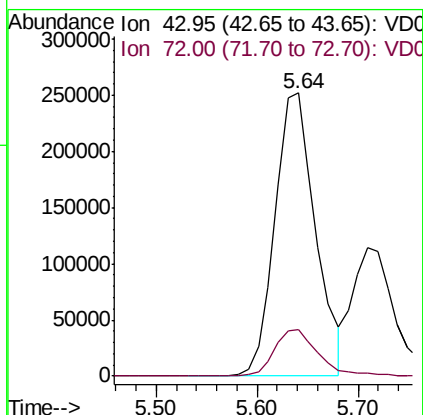
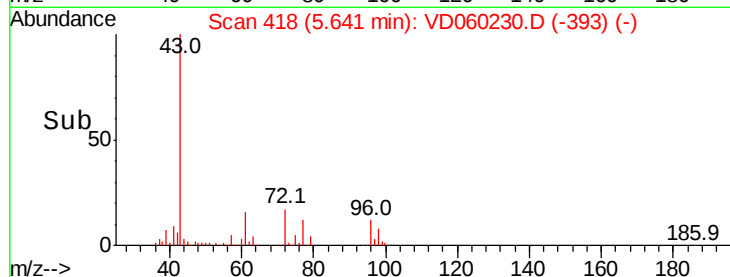
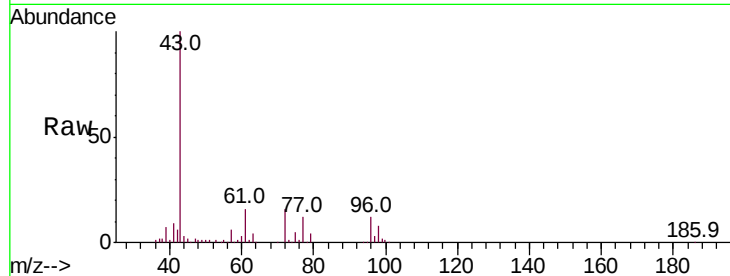
VD1029SBSD01

Tot Ion: 43 Resp: 700608

Ion Ratio Lower Upper

43 100

72 16.5 14.5 21.7



#26

2,2-Dichloropropane

Concen: 24.900 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.04 min

Lab File: VD060230.D

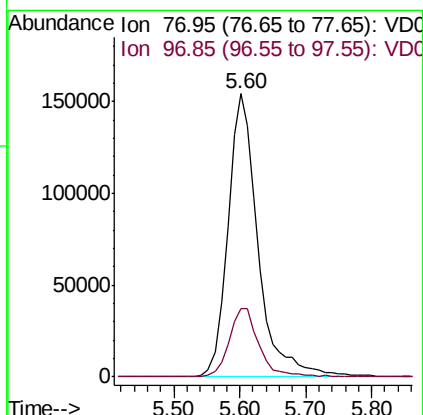
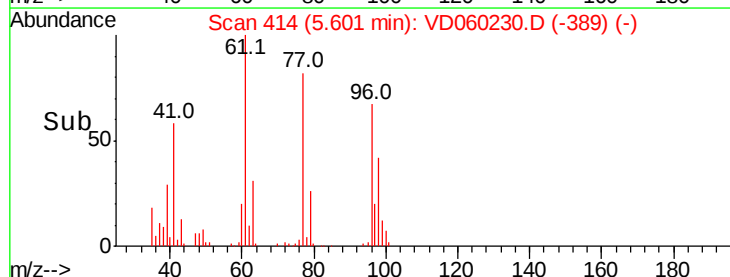
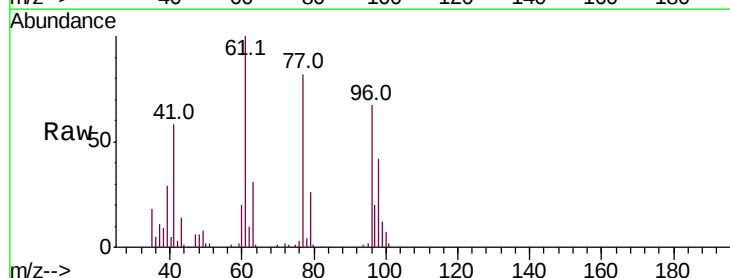
Acq: 29 Oct 2018 15:45

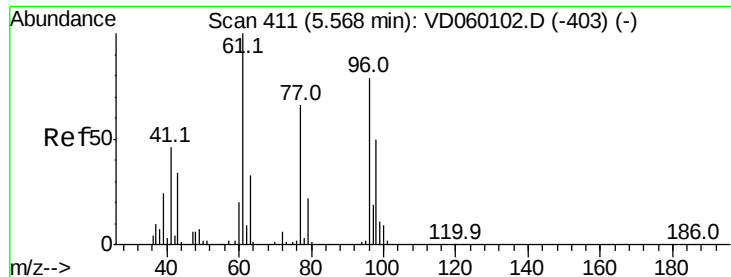
Tgt Ion: 77 Resp: 489041

Ion Ratio Lower Upper

77 100

97 24.0 13.3 39.9



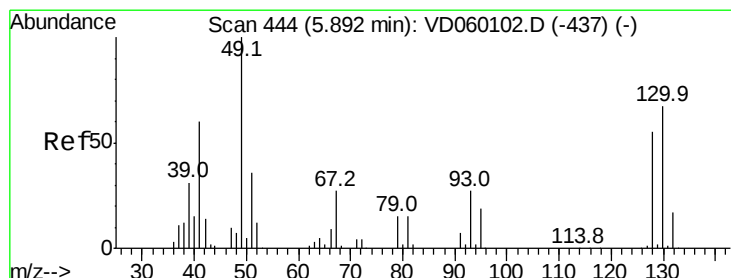
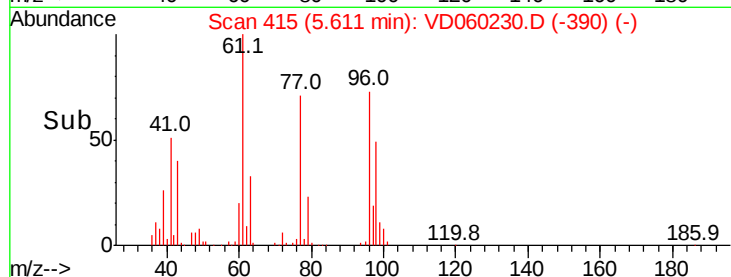
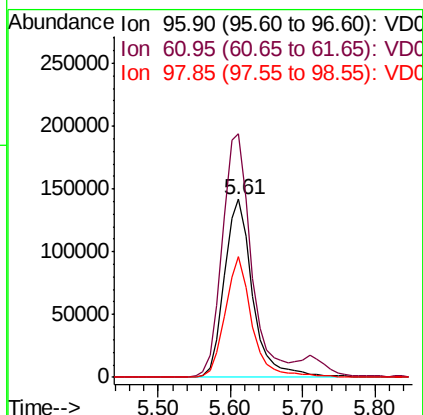
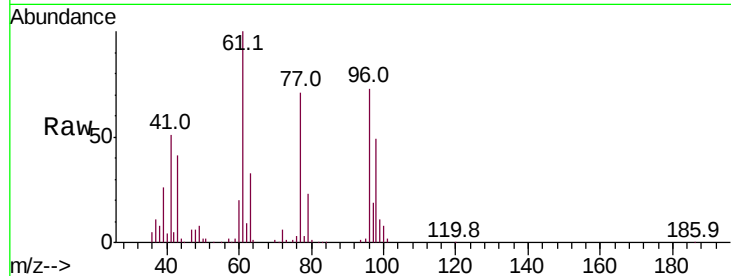


#27

cis-1,2-Dichloroethene
 Concen: 22.870 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

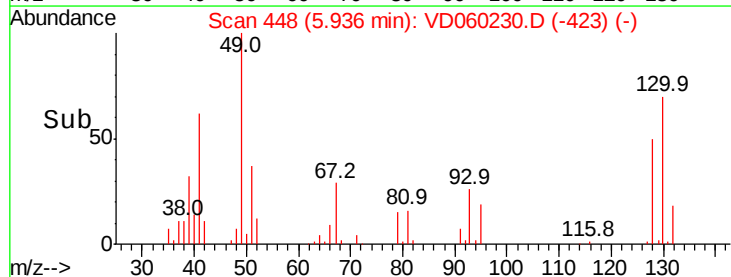
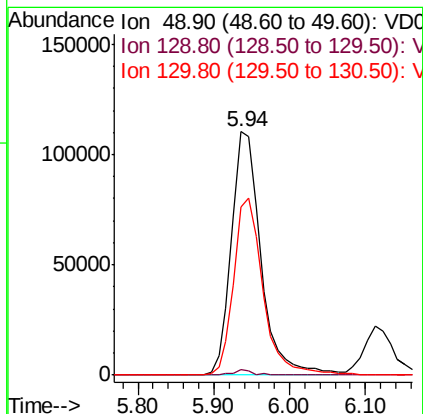
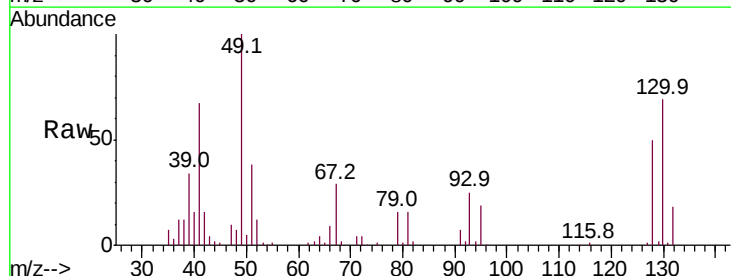
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	251.8
98	67.5	0.0	125.2

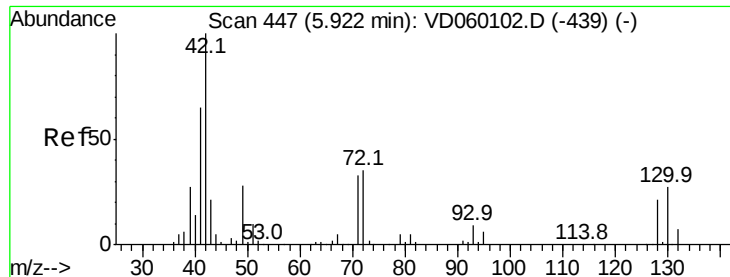


#28

Bromochloromethane
 Concen: 23.678 ug/l
 RT: 5.94 min Scan# 448
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	68.9	53.9	80.9

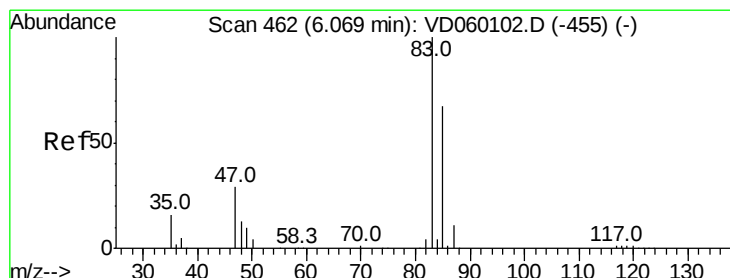
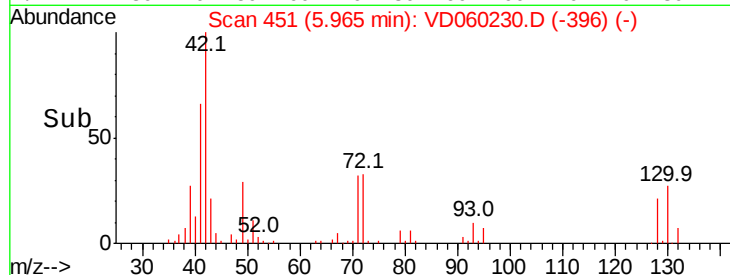
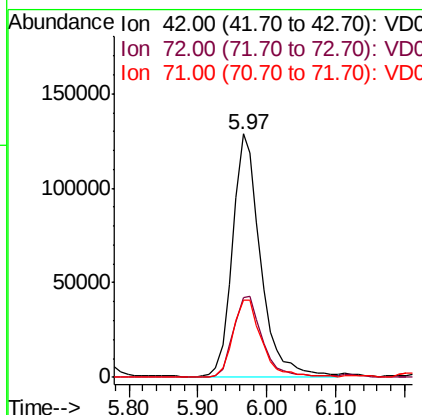
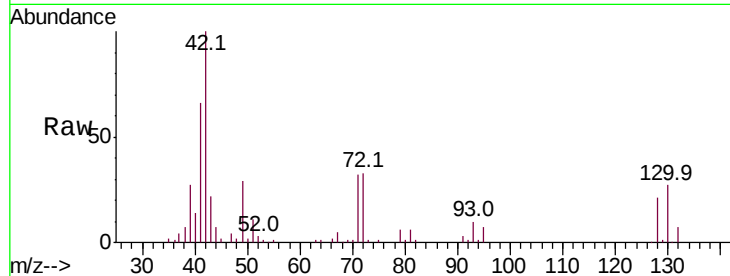




#29
Tetrahydrofuran
Concen: 121.379 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

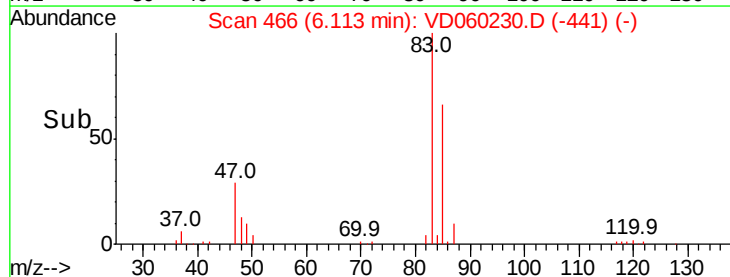
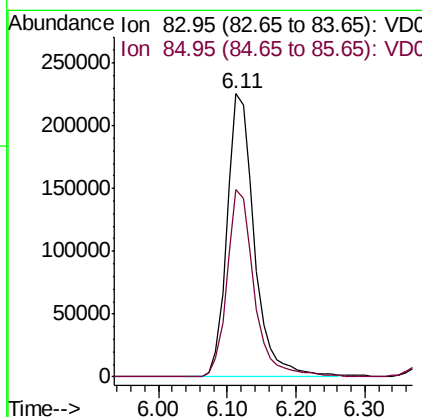
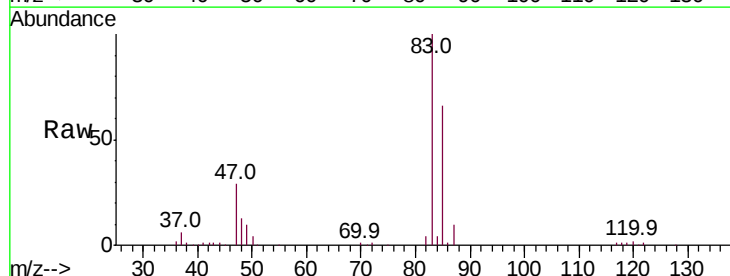
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

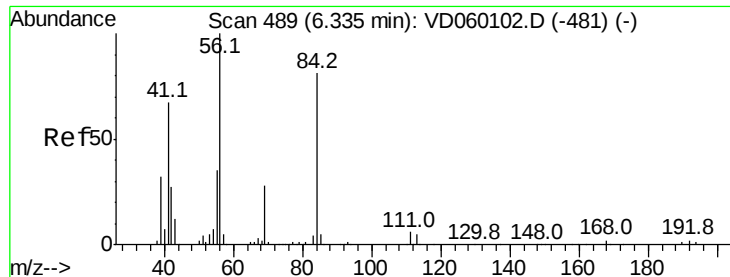
Tot Ion: 42 Resp: 365853
Ion Ratio Lower Upper
42 100
72 34.1 26.9 40.3
71 32.5 26.7 40.1



#30
Chloroform
Concen: 23.605 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 83 Resp: 618609
Ion Ratio Lower Upper
83 100
85 66.0 53.8 80.8

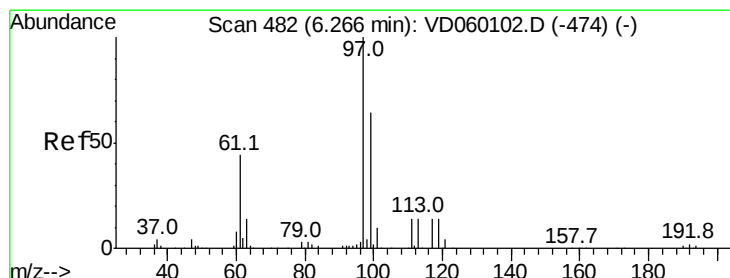
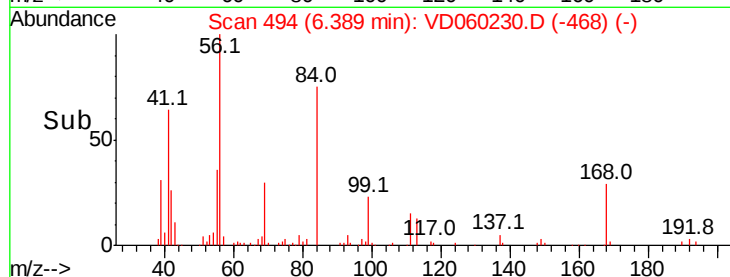
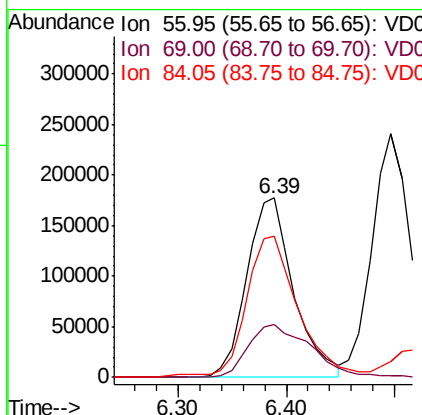
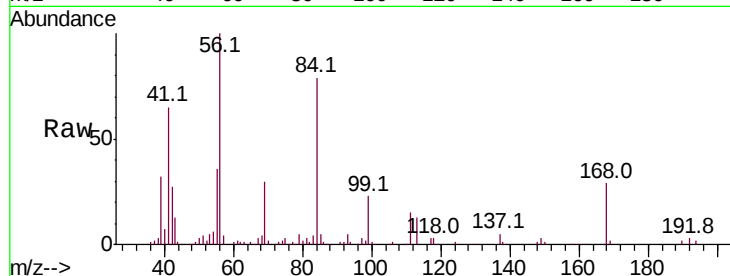




#31
Cvclohexane
Concen: 21.604 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

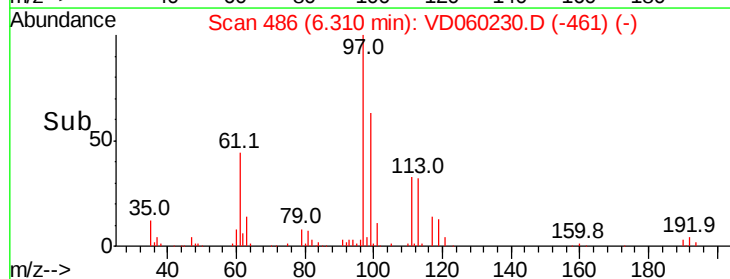
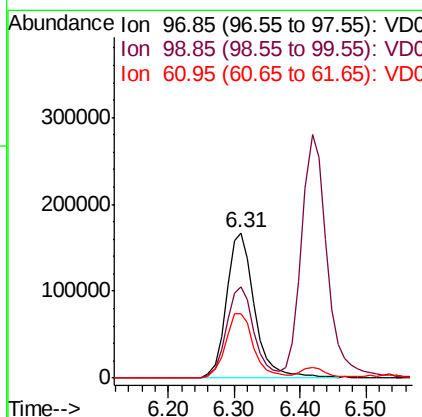
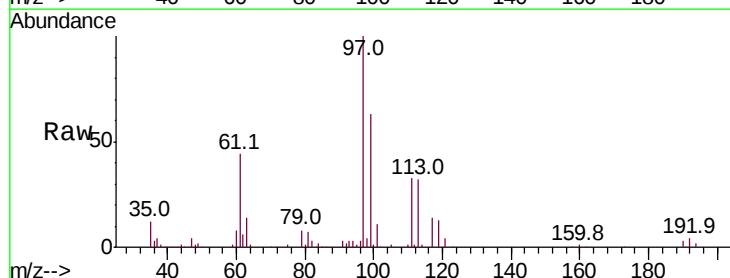
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

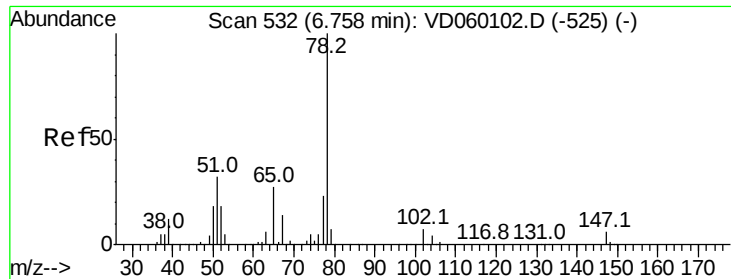
Tot Ion: 56 Resp: 535787
Ion Ratio Lower Upper
56 100
69 29.8 22.8 34.2
84 78.6 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 23.132 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 97 Resp: 496657
Ion Ratio Lower Upper
97 100
99 62.9 51.4 77.0
61 44.4 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 23.132 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

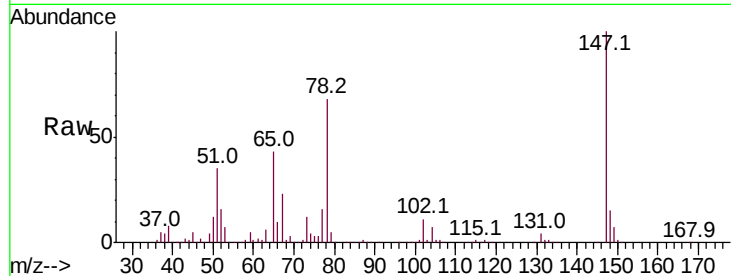
VD1029SBSD01

Tot Ion: 65 Resp: 642985

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

300000

250000

200000

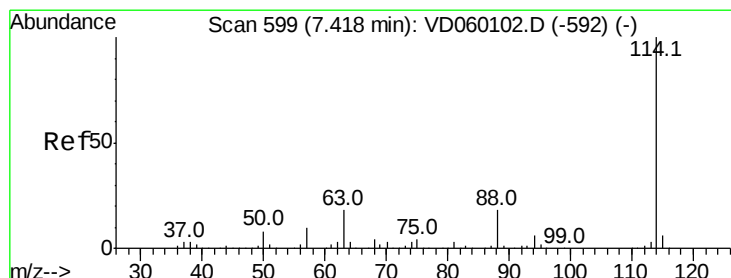
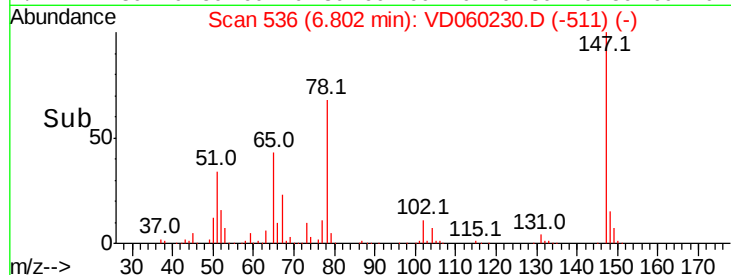
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

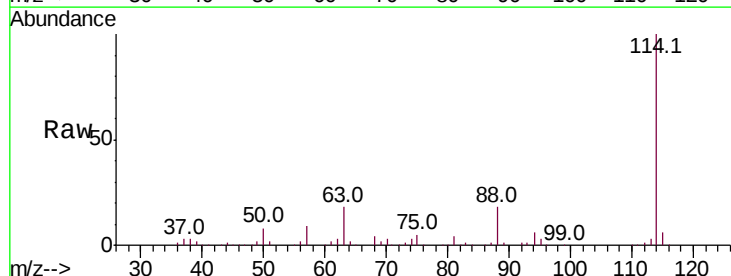
Tgt Ion:114 Resp: 2119124

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.0

88 18.0 0.0 36.2



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

1200000

1000000

800000

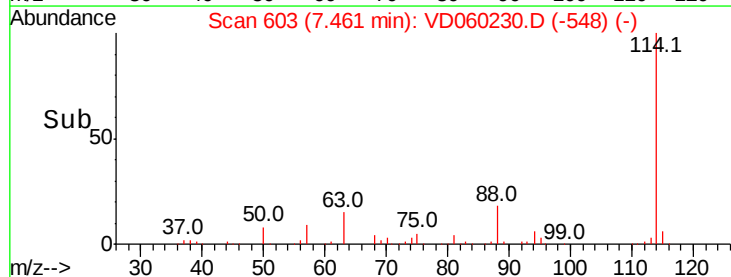
600000

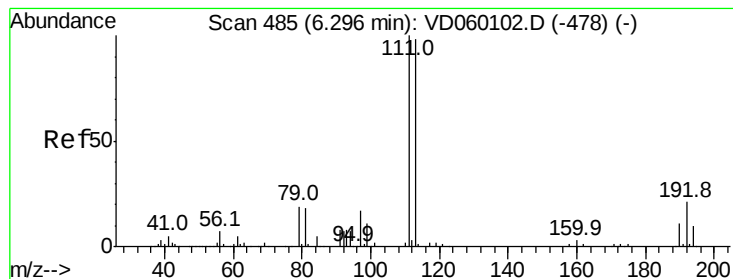
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

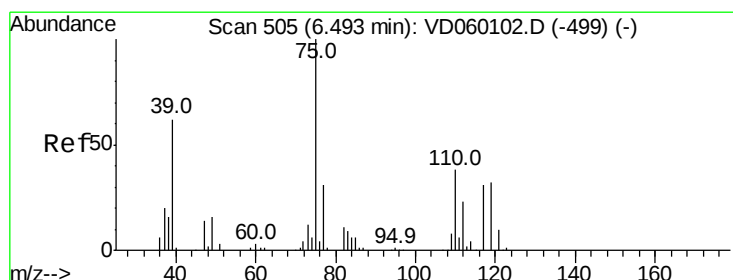
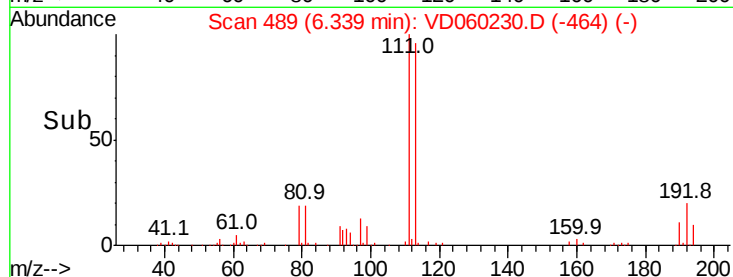
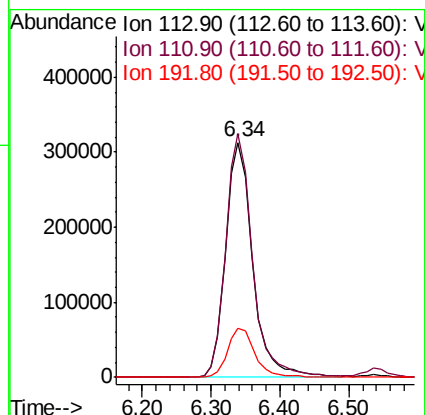
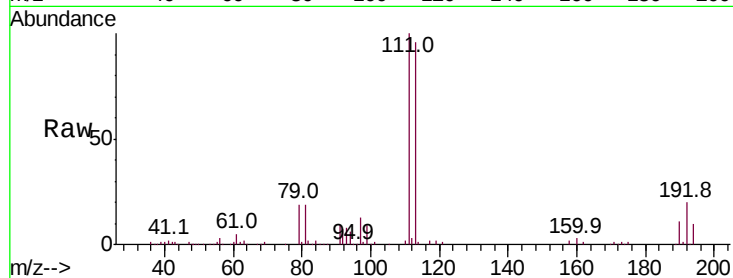
Tot Ion:113 Resp: 852238

Ion Ratio Lower Upper

113 100

111 103.7 81.5 122.3

192 21.0 17.4 26.0



#36

1,1-Dichloropropene

Concen: 22.386 ug/l

RT: 6.54 min Scan# 509

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

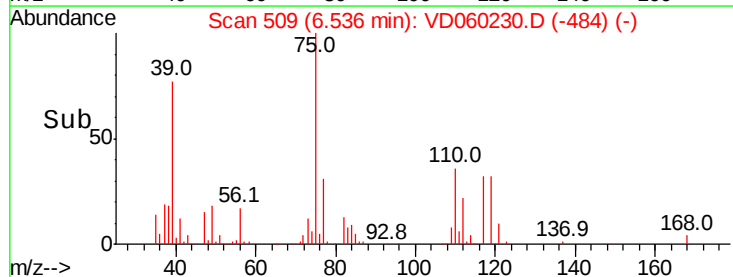
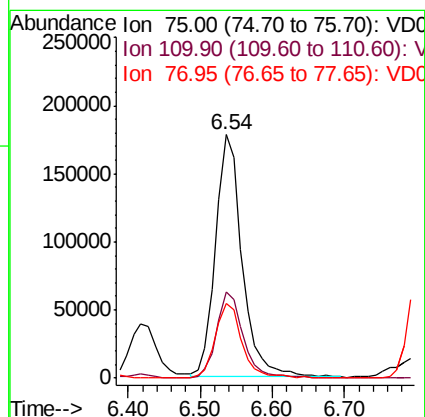
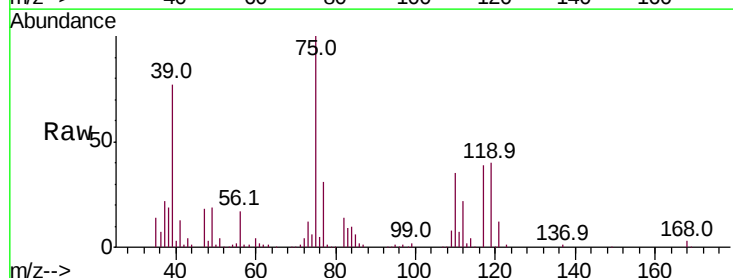
Tgt Ion: 75 Resp: 453322

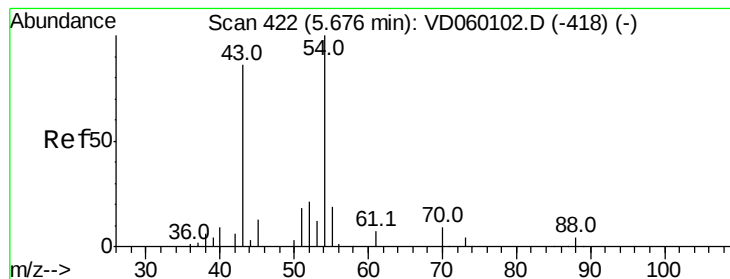
Ion Ratio Lower Upper

75 100

110 35.4 19.0 57.0

77 30.5 24.9 37.3





#37

Ethyl Acetate

Concen: 24.856 ug/l

RT: 5.71 min Scan# 425

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

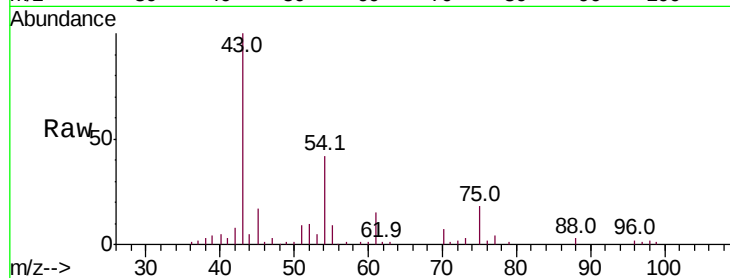
Tot Ion: 43 Resp: 334100

Ion Ratio Lower Upper

43 100

61 15.1 10.5 15.7

70 7.0 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

300000

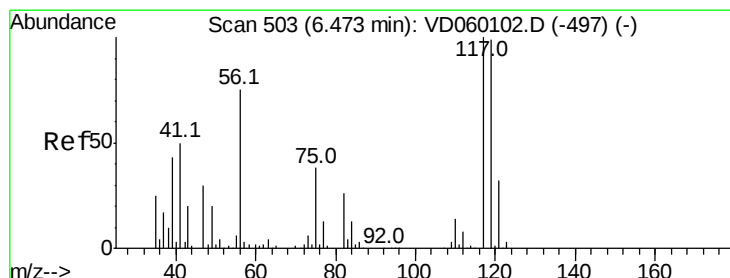
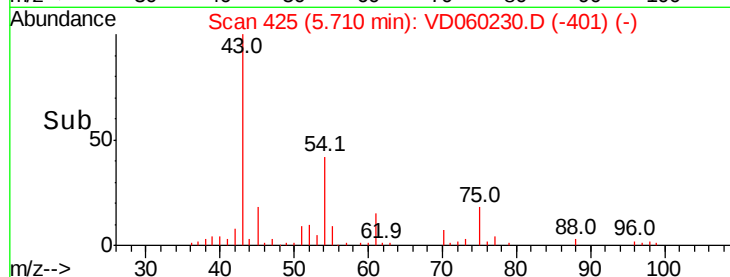
200000

100000

0

5.60 5.70 5.80 5.90

Time-->



#38

Carbon Tetrachloride

Concen: 22.507 ug/l

RT: 6.52 min Scan# 507

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

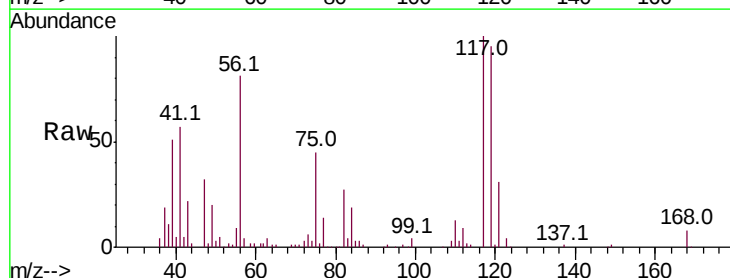
Tgt Ion: 117 Resp: 413668

Ion Ratio Lower Upper

117 100

119 94.9 77.8 116.6

121 31.3 24.8 37.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

200000

150000

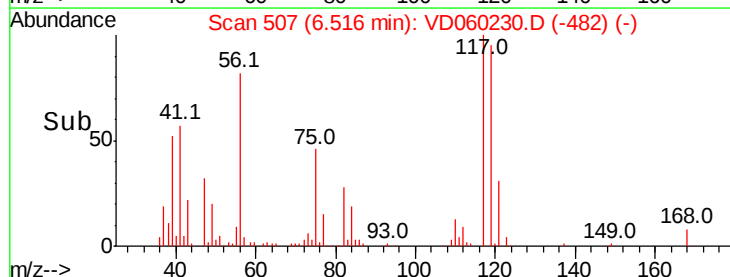
100000

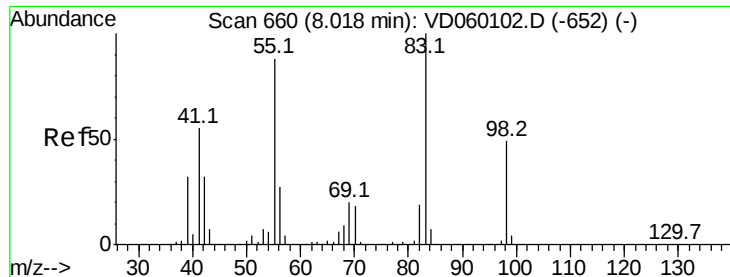
50000

0

6.40 6.50 6.60 6.70

Time-->

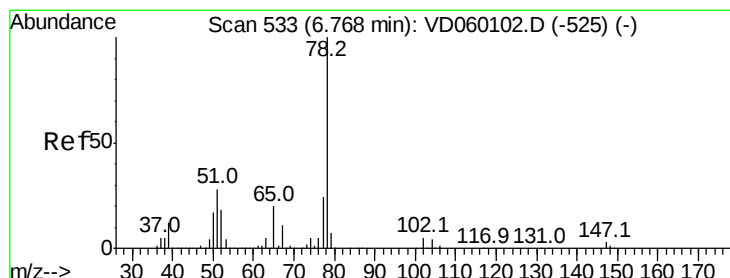
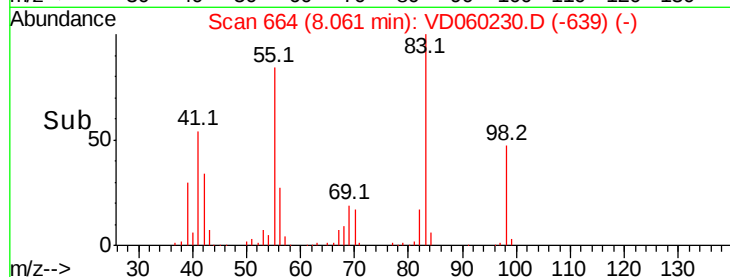
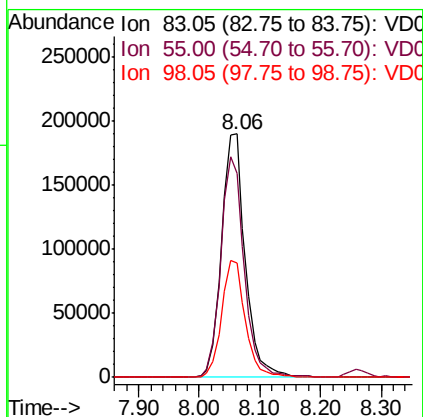
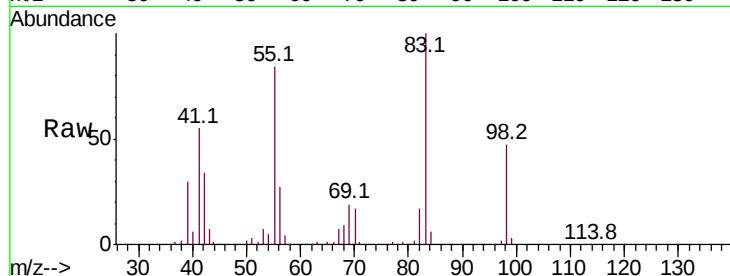




#39
Methvlcvclohexane
Concen: 22.489 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

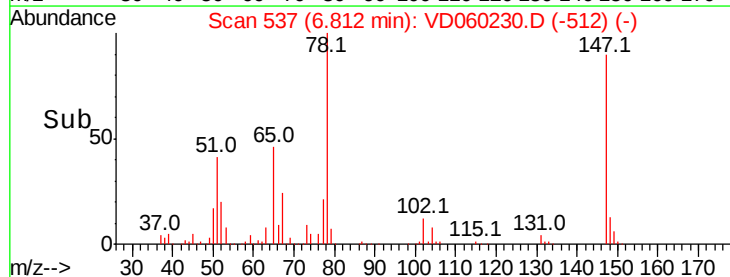
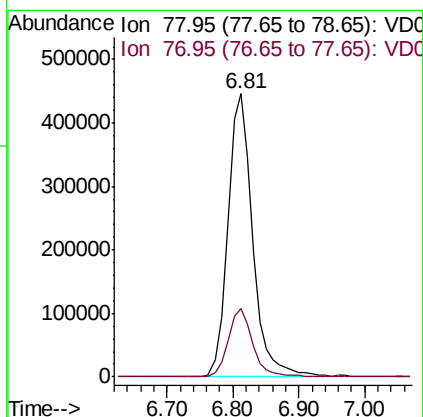
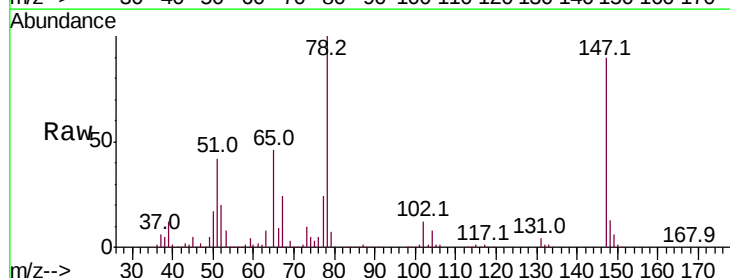
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

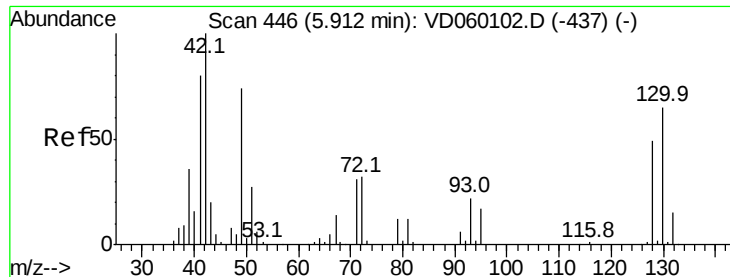
Tot Ion: 83 Resp: 517432
Ion Ratio Lower Upper
83 100
55 83.6 70.5 105.7
98 47.1 39.4 59.2



#40
Benzene
Concen: 22.201 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 78 Resp: 1176178
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

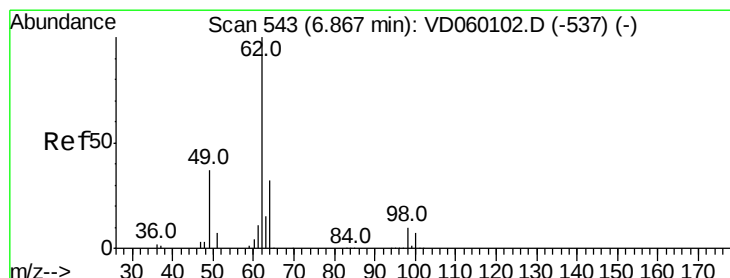
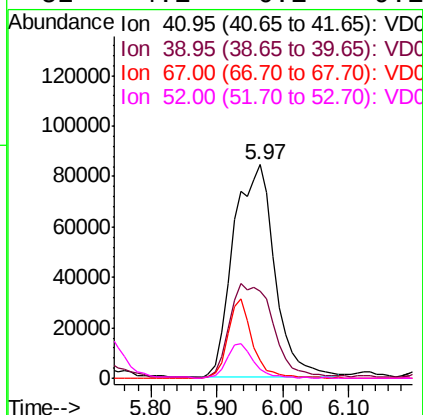
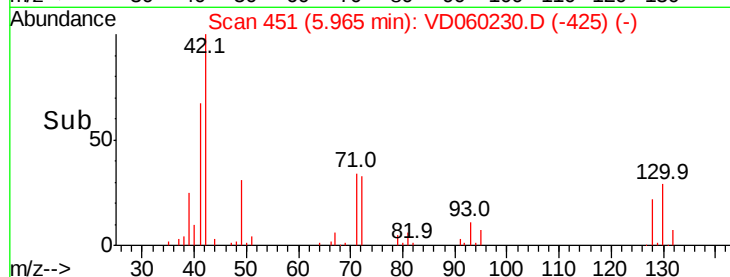
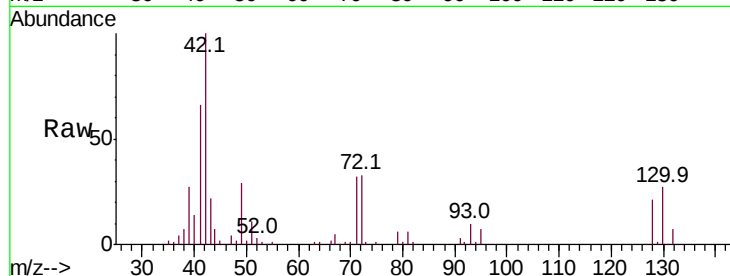




#41
Methacrylonitrile
Concen: 48.988 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.05 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

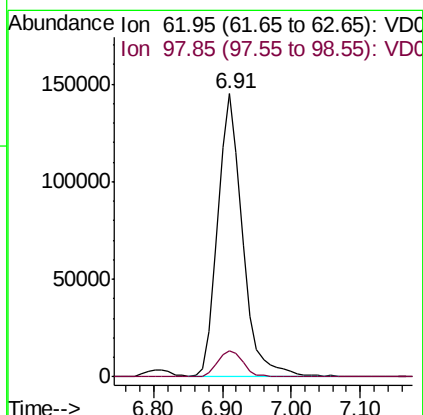
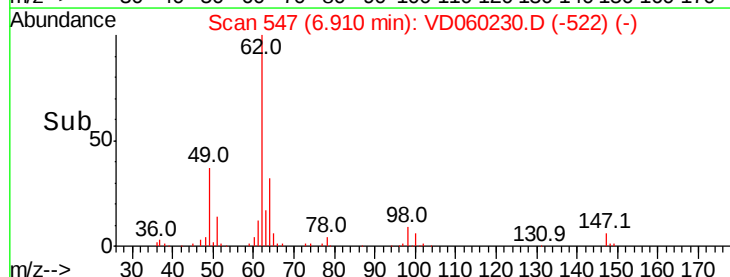
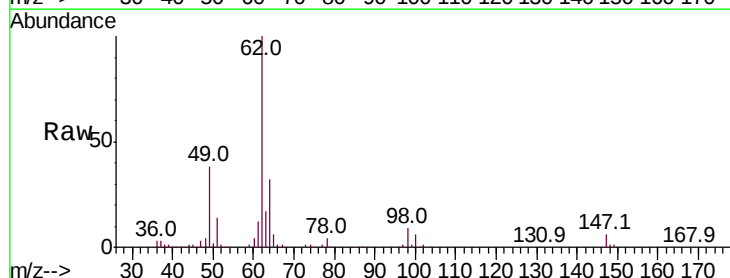
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

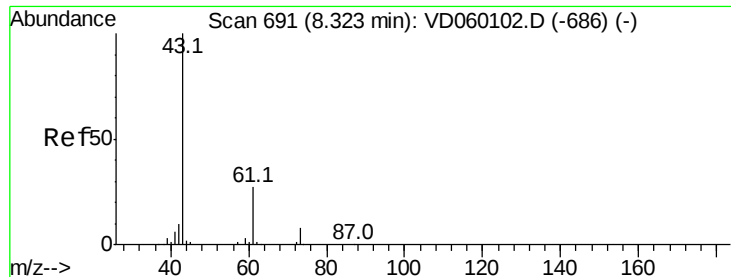
Tot Ion: 41 Resp: 372179
Ion Ratio Lower Upper
41 100
39 40.5 36.0 54.0
67 8.3 13.9 20.9#
52 4.1 6.1 9.1#



#42
1,2-Dichloroethane
Concen: 23.673 ug/l
RT: 6.91 min Scan# 547
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 62 Resp: 359557
Ion Ratio Lower Upper
62 100
98 9.1 0.0 20.6



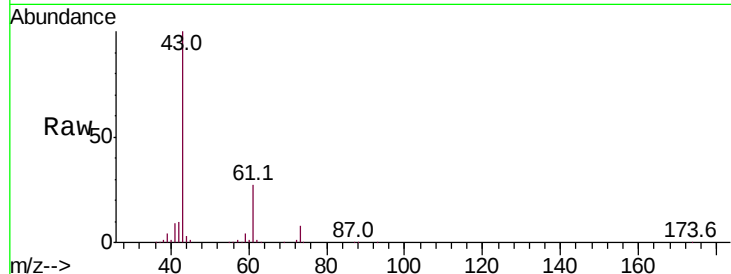


#43

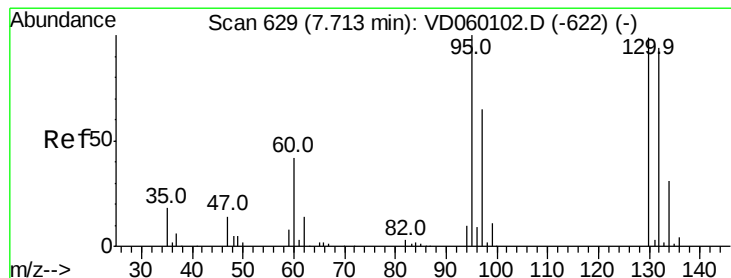
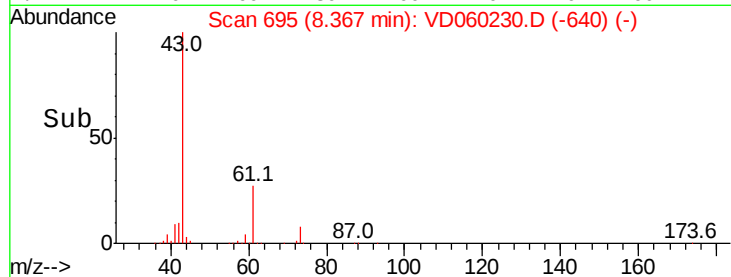
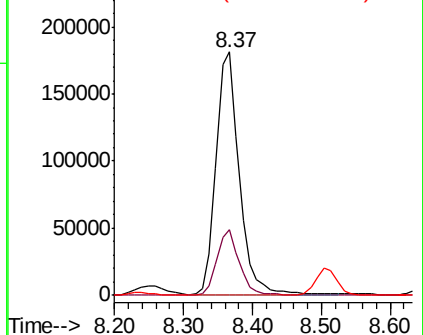
Isopropyl Acetate
 Concen: 23.632 ug/l
 RT: 8.37 min Scan# 695
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 43 Resp: 417884
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.4 32.2
 87 0.2 0.2 0.2



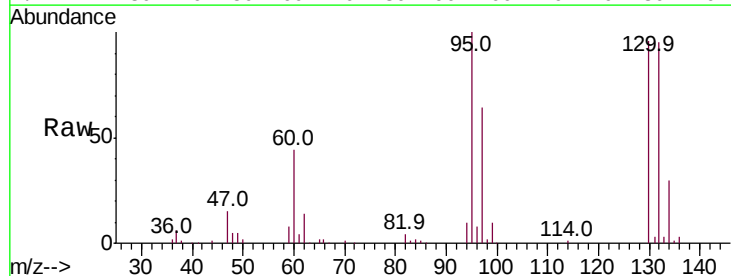
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



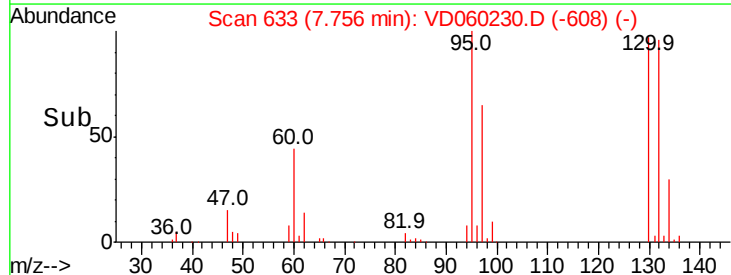
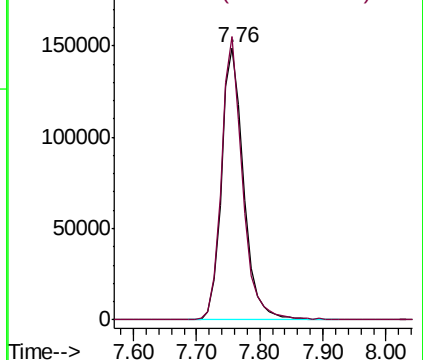
#44

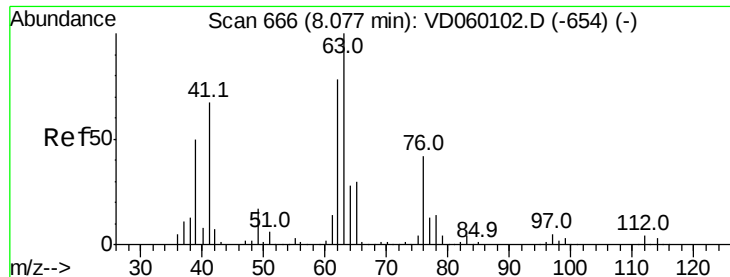
Trichloroethene
 Concen: 22.046 ug/l
 RT: 7.76 min Scan# 633
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion: 130 Resp: 361544
 Ion Ratio Lower Upper
 130 100
 95 104.1 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 23.256 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

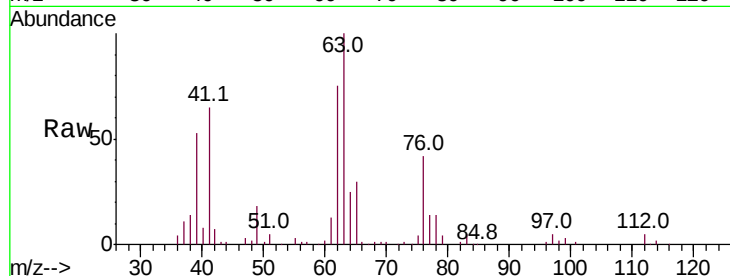
VD1029SBS01

Tot Ion: 63 Resp: 322597

Ion Ratio Lower Upper

63 100

65 30.3 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.12

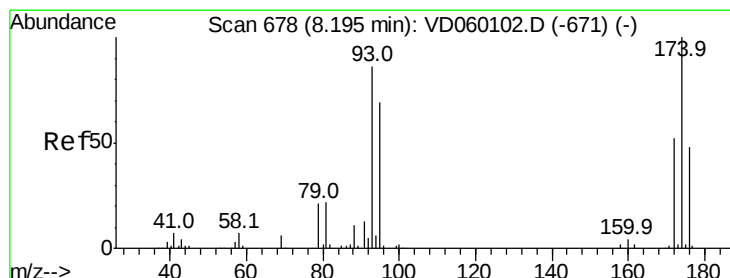
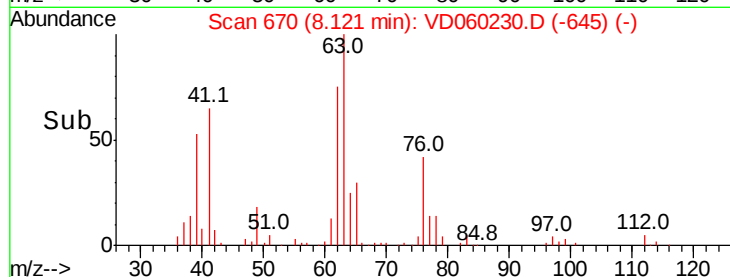
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 23.110 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

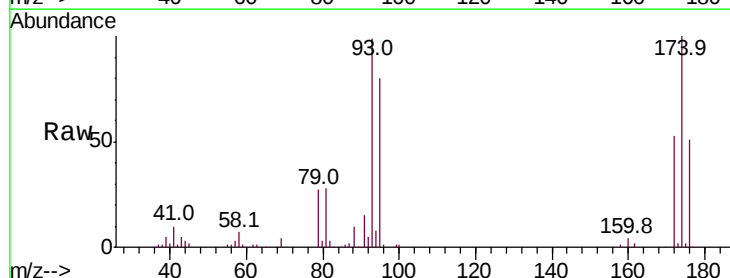
Tgt Ion: 93 Resp: 207552

Ion Ratio Lower Upper

93 100

95 80.6 63.8 95.6

174 100.6 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

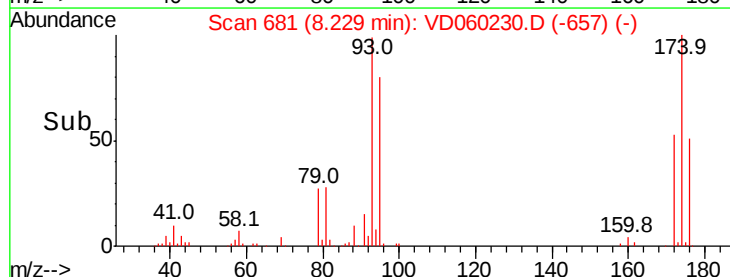
60000

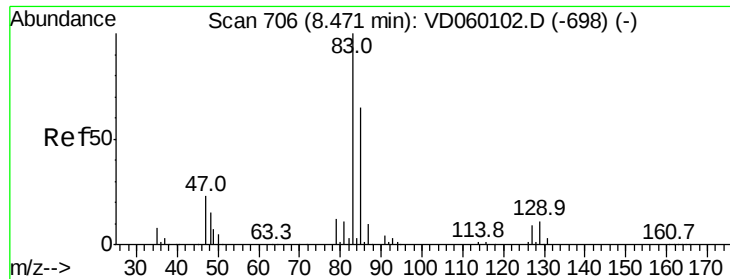
40000

20000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 23.187 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

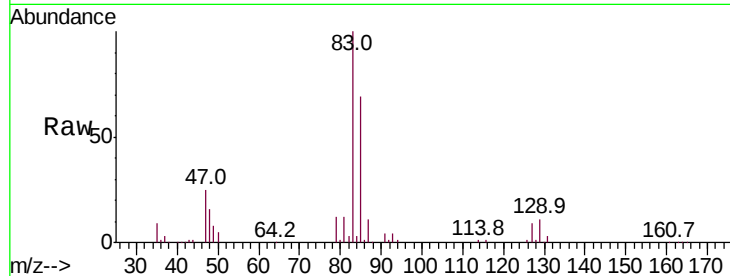
Tot Ion: 83 Resp: 443699

Ion Ratio Lower Upper

83 100

85 68.6 52.2 78.2

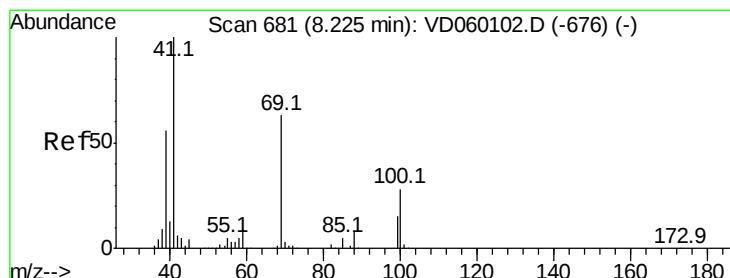
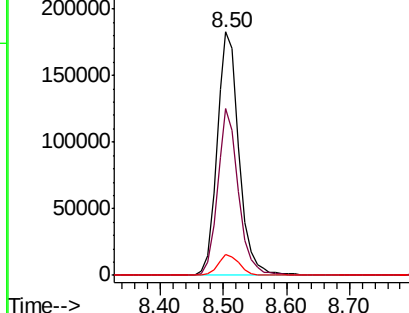
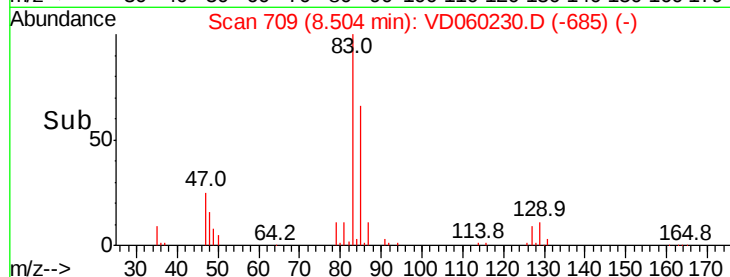
127 8.8 7.4 11.0



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: 24.118 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

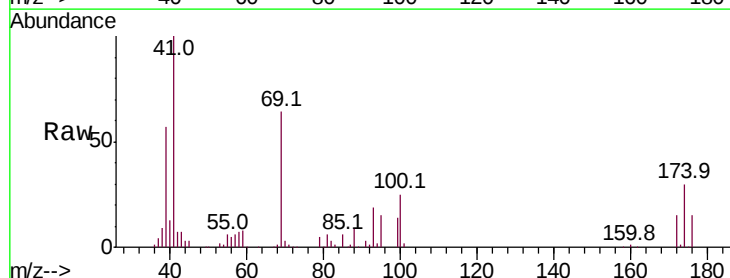
Tgt Ion: 41 Resp: 242932

Ion Ratio Lower Upper

41 100

69 63.5 49.7 74.5

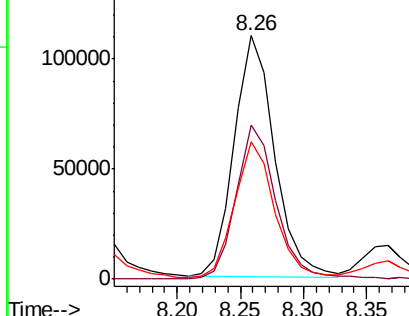
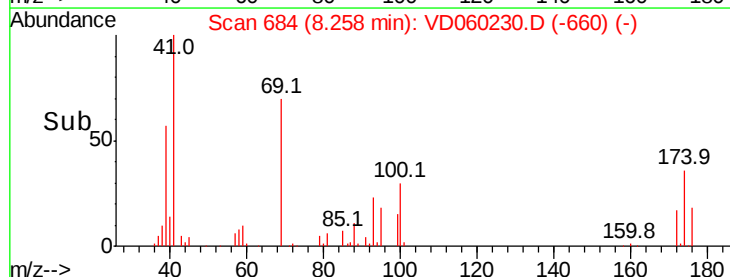
39 56.6 45.2 67.8

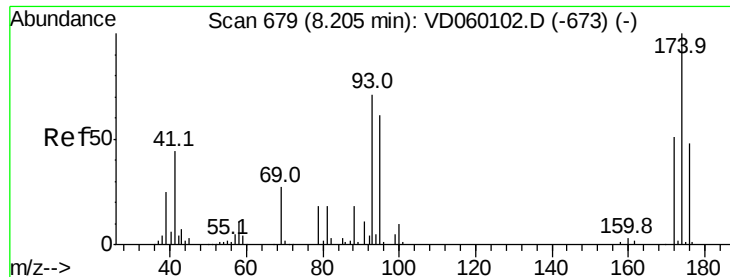


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 451.226 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

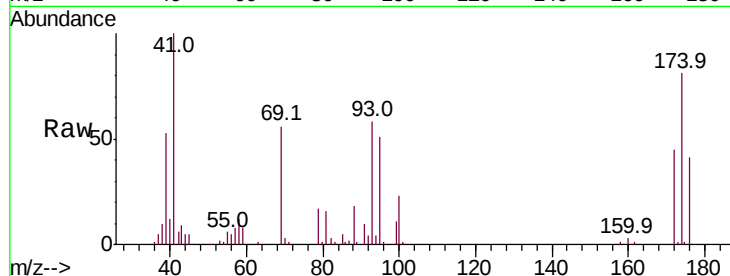
Tot Ion: 88 Resp: 44720

Ion Ratio Lower Upper

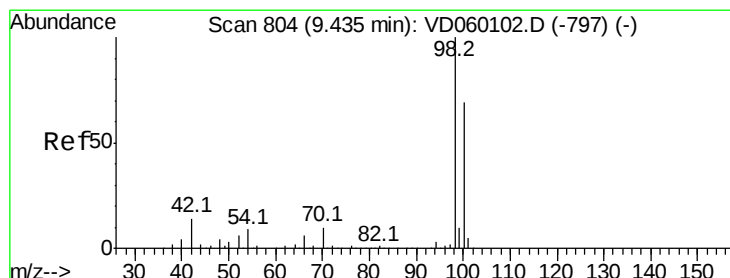
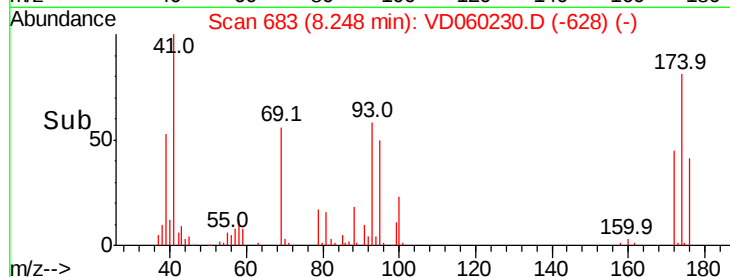
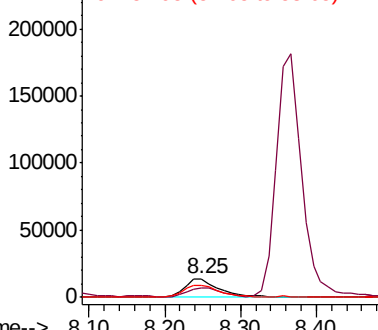
88 100

43 52.2 33.7 50.5#

58 67.1 49.1 73.7



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



#50

Toluene-d8

Concen: 451.226 ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.03 min

Lab File: VD060230.D

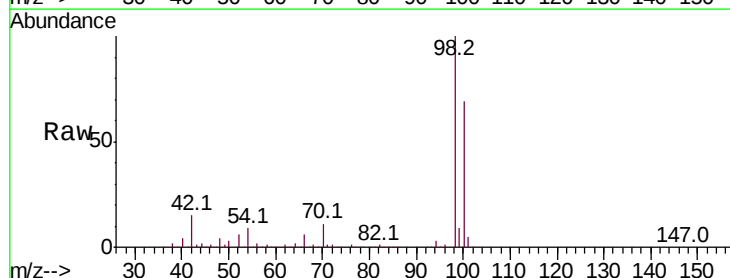
Acq: 29 Oct 2018 15:45

Tgt Ion: 98 Resp: 2368428

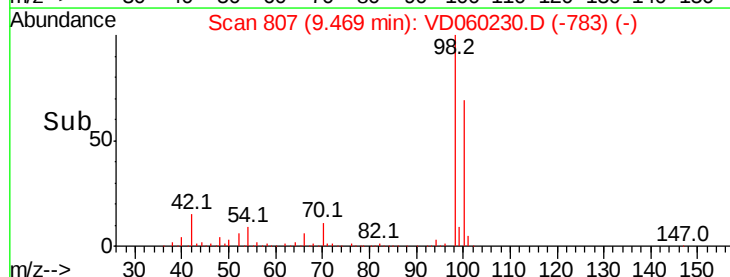
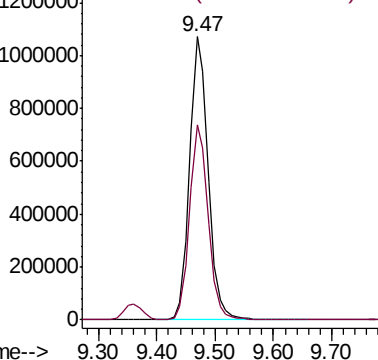
Ion Ratio Lower Upper

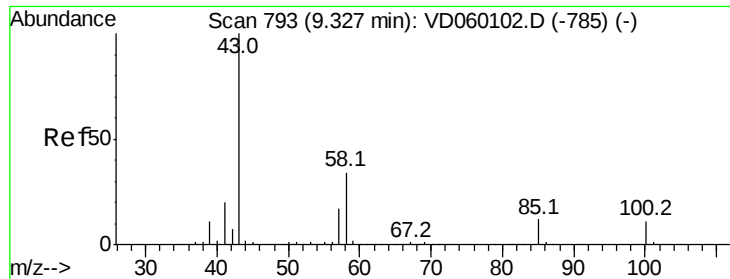
98 100

100 68.8 55.4 83.0



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: 125.652 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

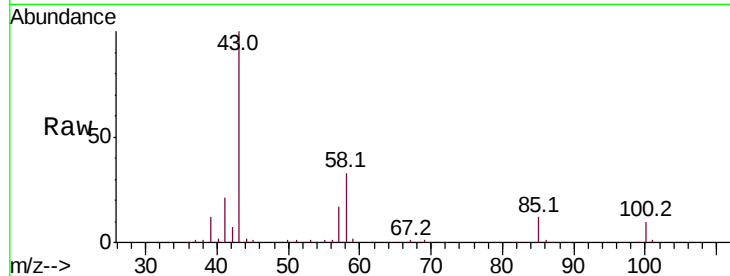
VD1029SBSD01

Tot Ion: 43 Resp: 1401459

Ion Ratio Lower Upper

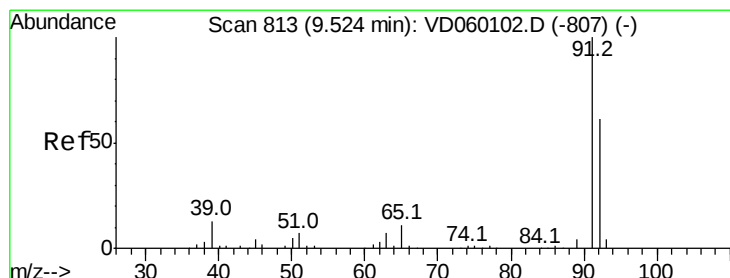
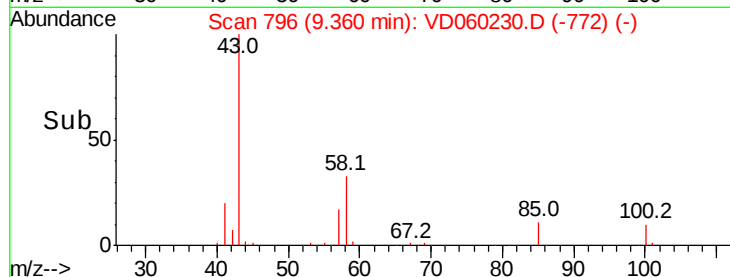
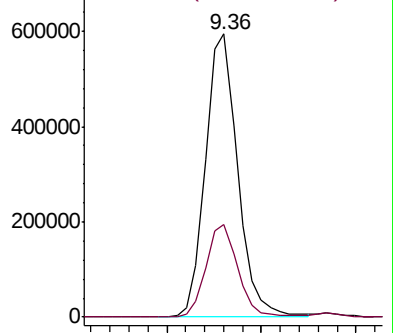
43 100

58 33.0 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.314 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.04 min

Lab File: VD060230.D

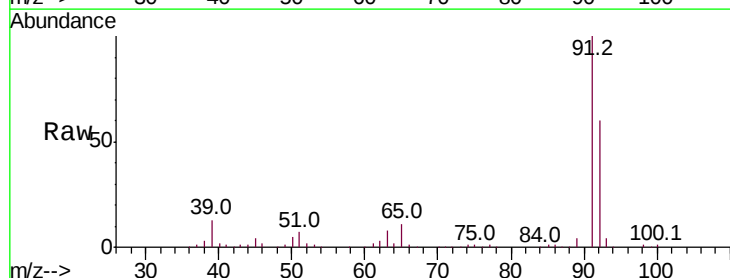
Acq: 29 Oct 2018 15:45

Tgt Ion: 92 Resp: 761345

Ion Ratio Lower Upper

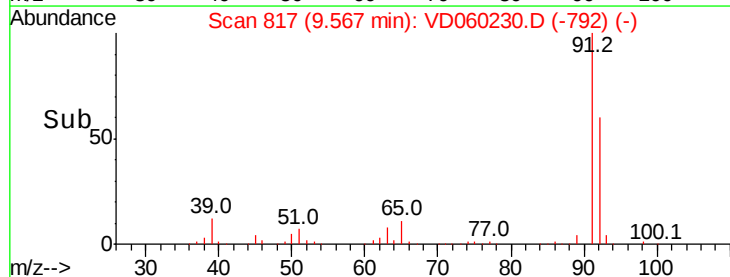
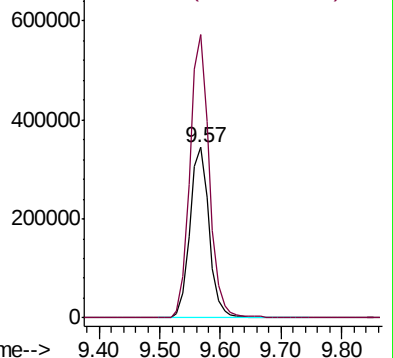
92 100

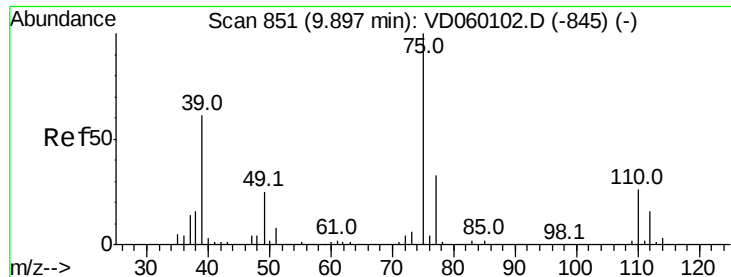
91 166.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 23.730 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

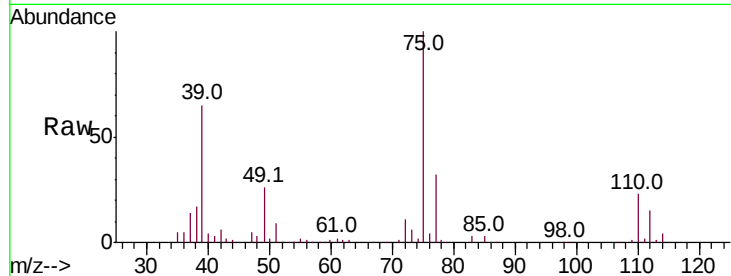
VD1029SBSD01

Tot Ion: 75 Resp: 410875

Ion Ratio Lower Upper

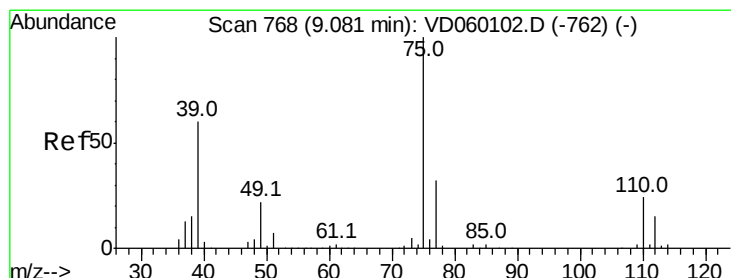
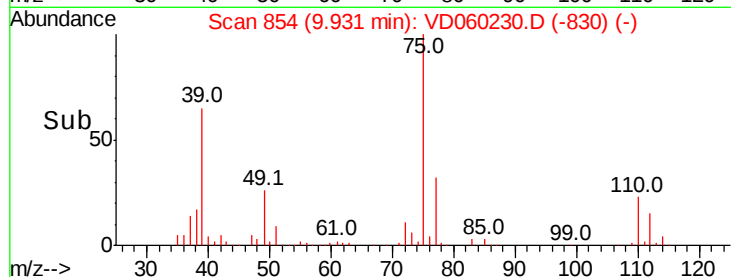
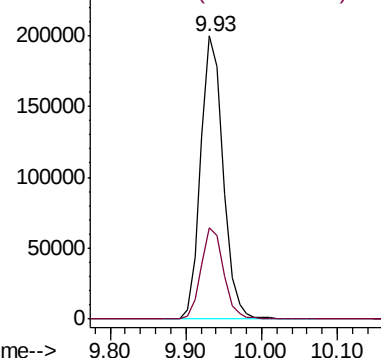
75 100

77 32.2 26.2 39.2



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: 23.230 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

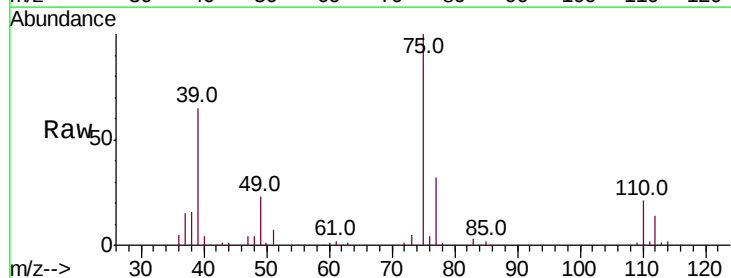
Tgt Ion: 75 Resp: 496690

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

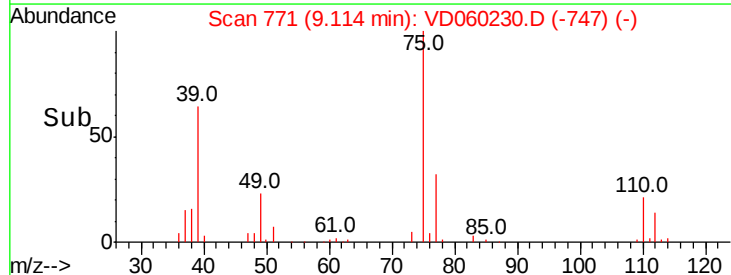
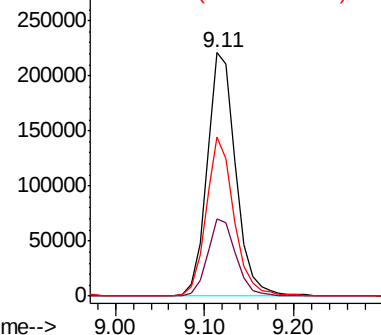
39 65.2 48.2 72.4

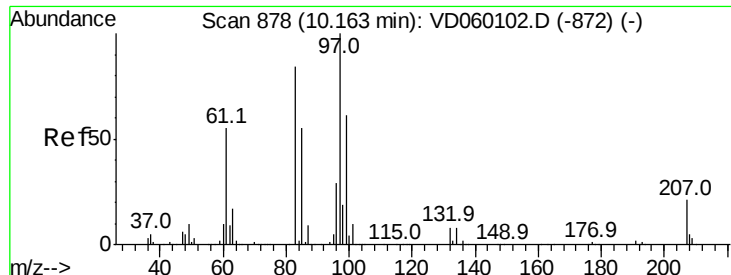


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 23.660 ug/l

RT: 10.20 min Scan# 881

Delta R.T. 0.03 min

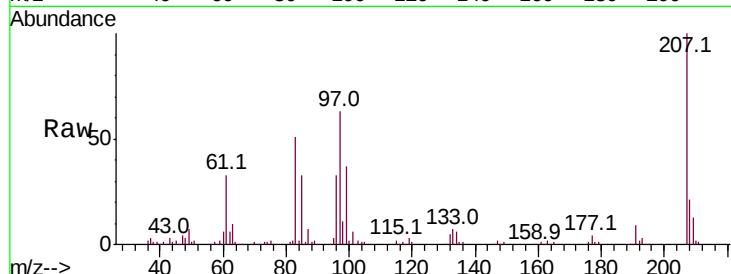
Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion: 97 Resp: 263904

Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.0	100.6
85	52.5	43.9	65.9
99	58.5	49.1	73.7



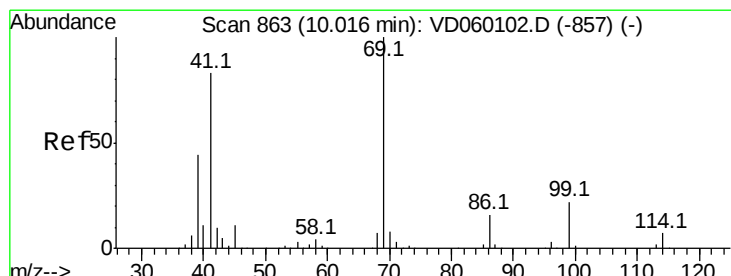
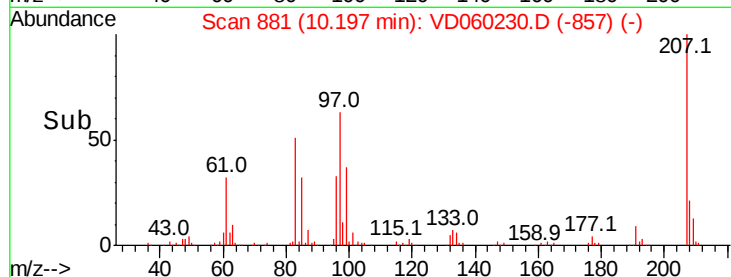
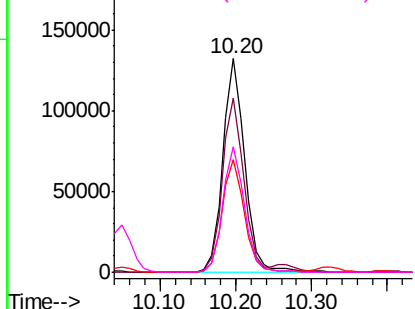
Abundance

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: 23.091 ug/l

RT: 10.05 min Scan# 866

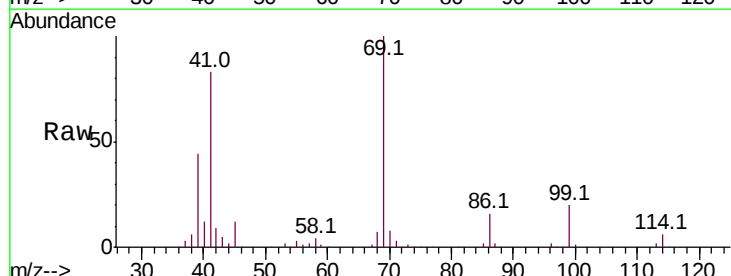
Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion: 69 Resp: 284308

Ion	Ratio	Lower	Upper
69	100		
41	83.4	66.6	100.0
39	43.7	36.0	54.0

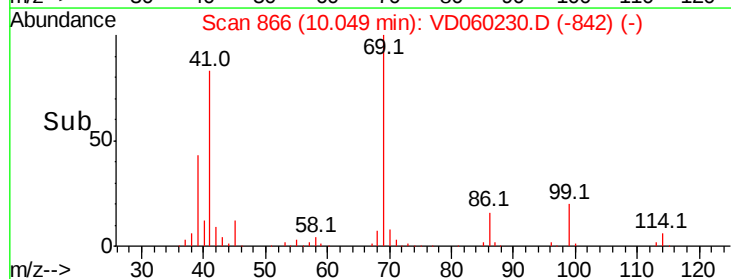
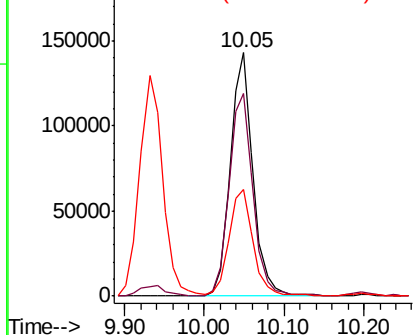


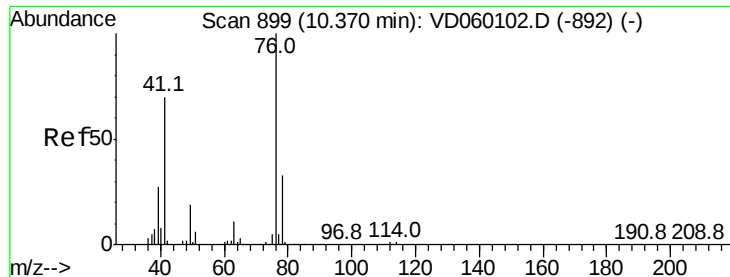
Abundance

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: 23.742 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

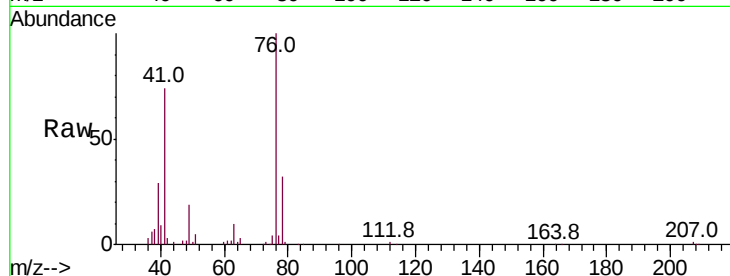
VD1029SBSD01

Tot Ion: 76 Resp: 403889

Ion Ratio Lower Upper

76 100

78 31.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

200000

150000

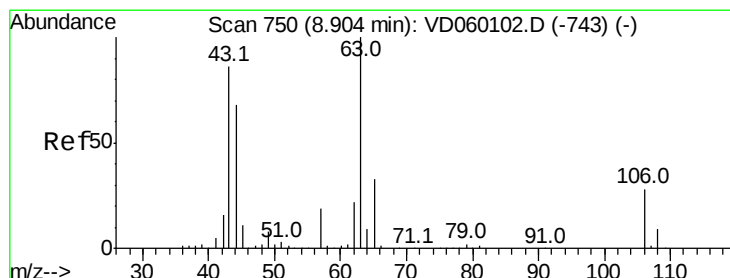
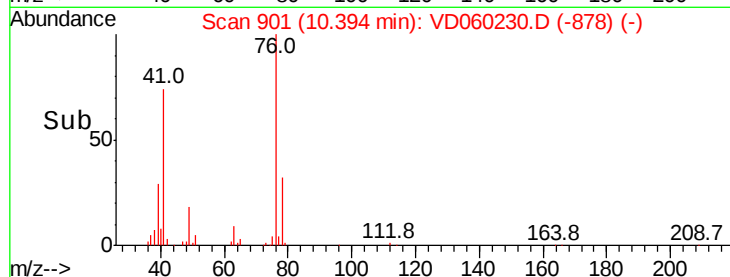
100000

50000

0

Time-->

10.30 10.40 10.50



#58

2-Chloroethyl Vinyl ether

Concen: 117.042 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.03 min

Lab File: VD060230.D

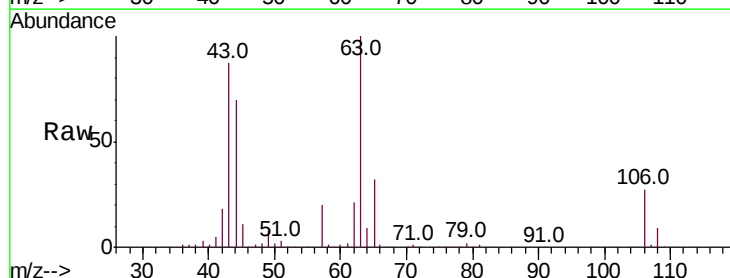
Acq: 29 Oct 2018 15:45

Tgt Ion: 63 Resp: 800248

Ion Ratio Lower Upper

63 100

106 27.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

400000

300000

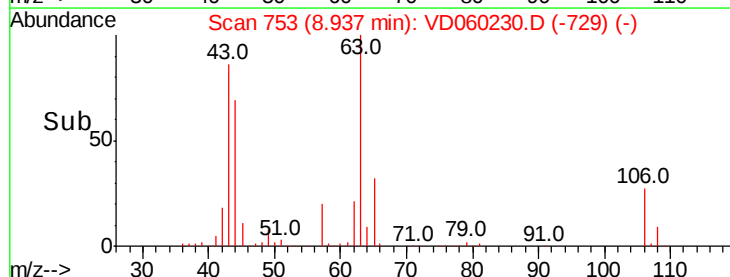
200000

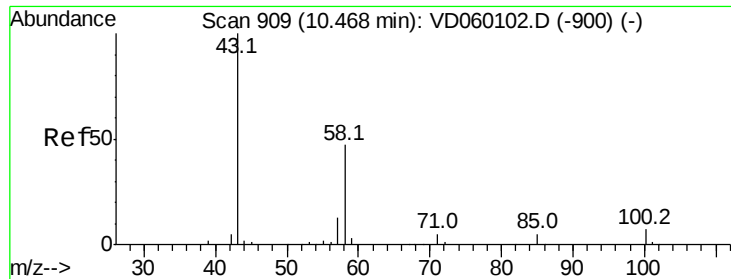
100000

0

Time-->

8.80 8.90 9.00 9.10

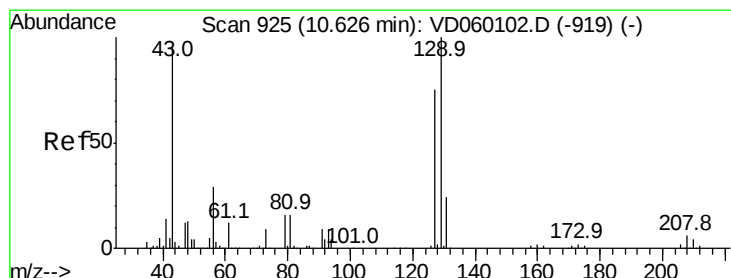
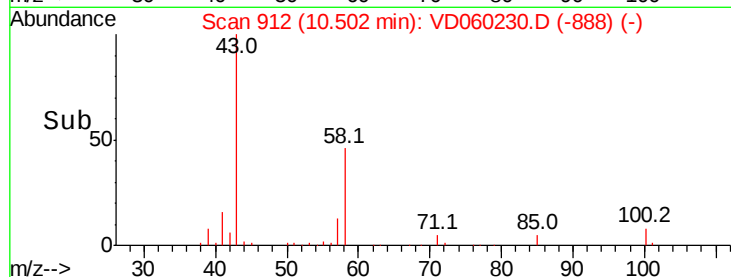
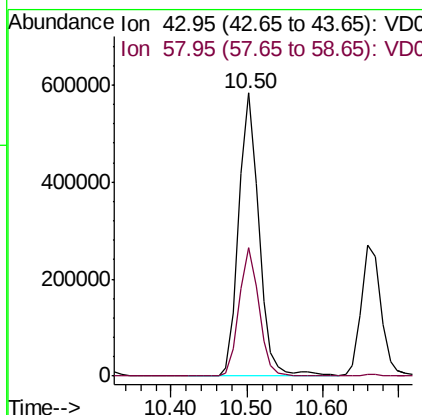
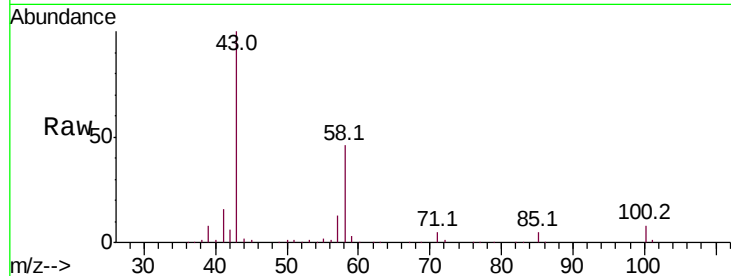




#59
2-Hexanone
Concen: 133.780 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

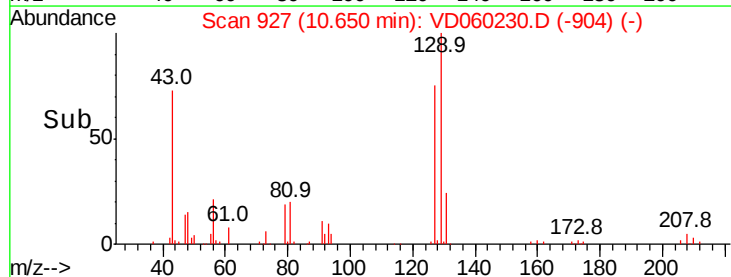
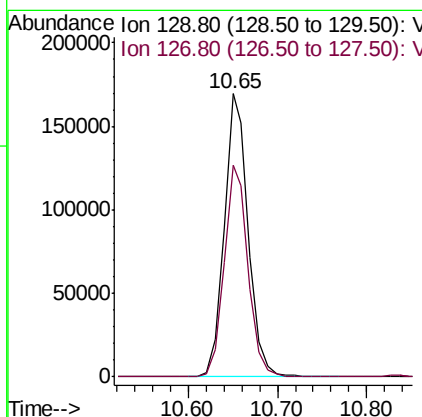
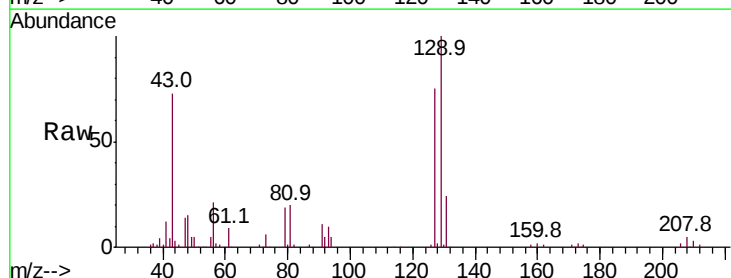
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

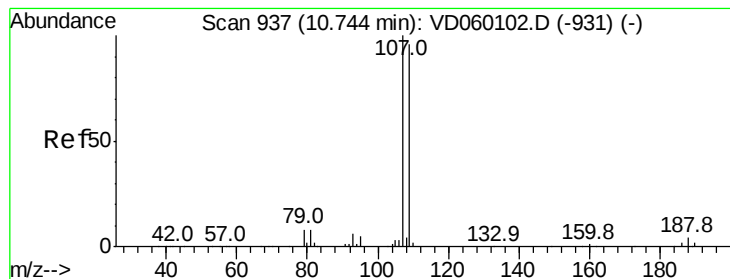
Tot Ion: 43 Resp: 1072947
Ion Ratio Lower Upper
43 100
58 45.6 23.3 69.9



#60
Dibromochloromethane
Concen: 23.247 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:129 Resp: 318144
Ion Ratio Lower Upper
129 100
127 74.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 23.107 ug/l

RT: 10.77 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

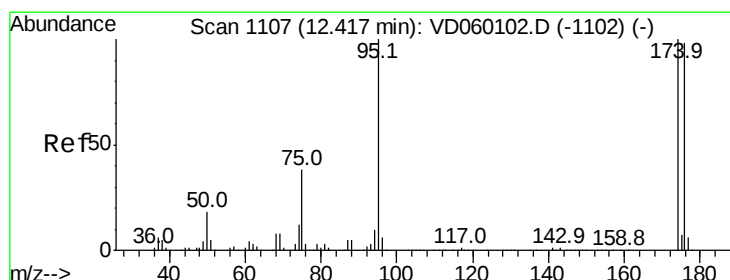
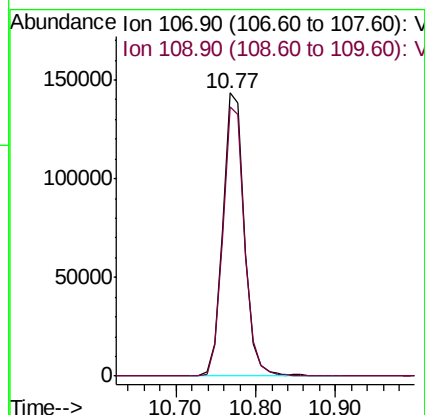
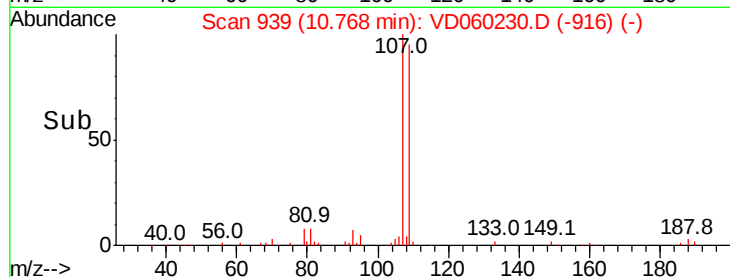
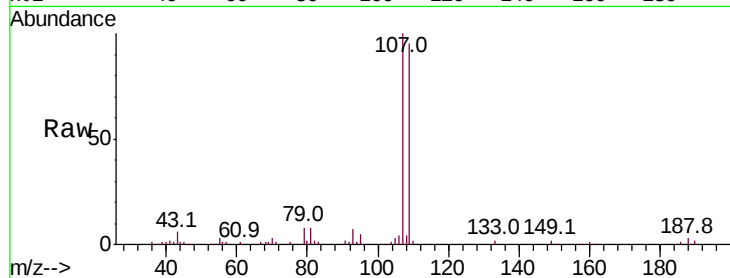
VD1029SBSD01

Tot Ion:107 Resp: 273852

Ion Ratio Lower Upper

107 100

109 95.3 77.1 115.7



#62

4-Bromofluorobenzene

Concen: 23.107 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

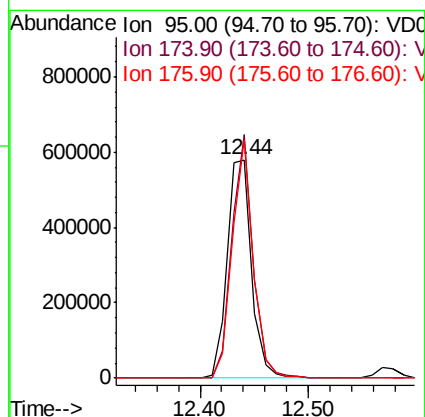
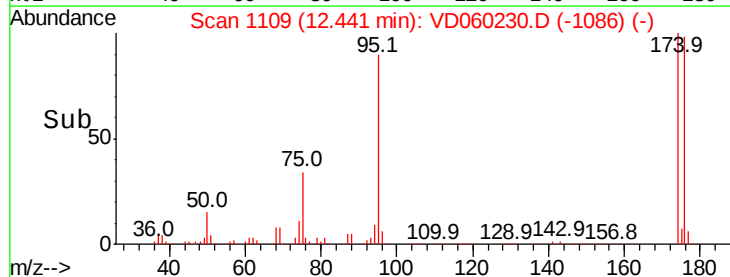
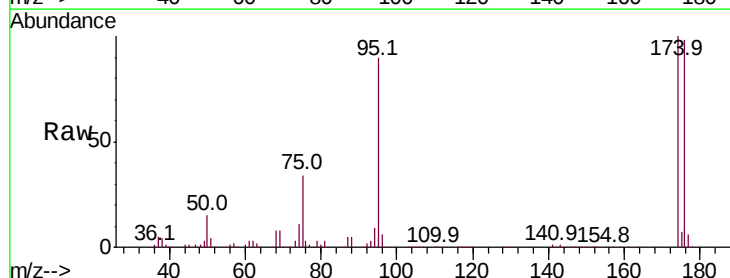
Tgt Ion: 95 Resp: 912331

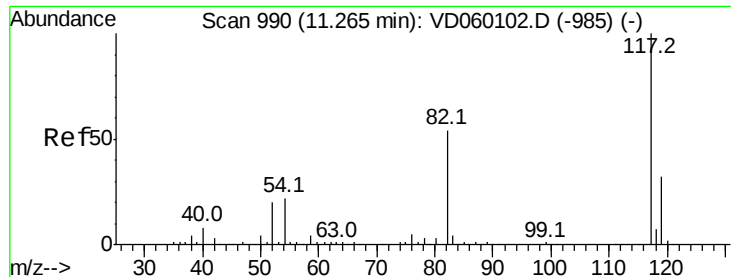
Ion Ratio Lower Upper

95 100

174 111.6 0.0 200.2

176 109.6 0.0 195.6

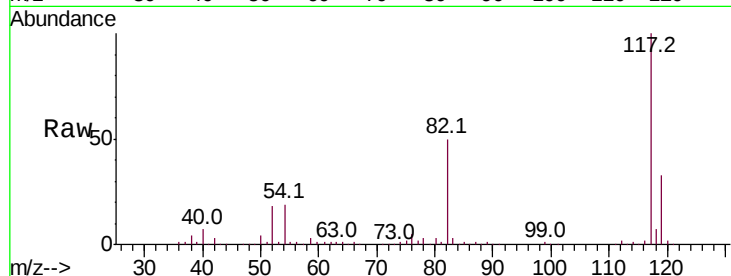




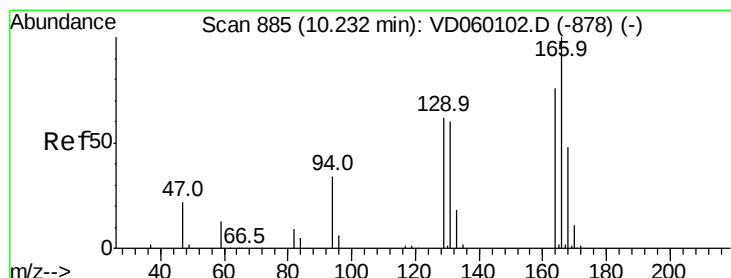
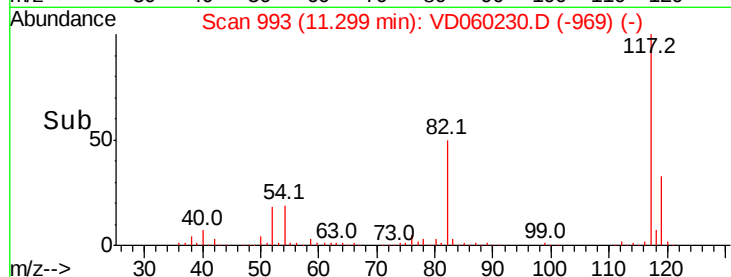
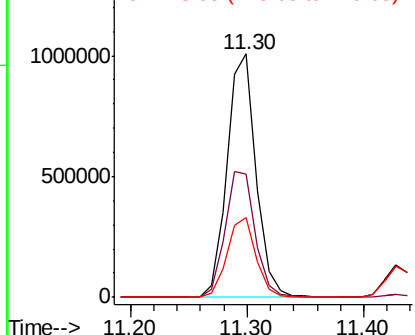
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion:117 Resp: 1725054
Ion Ratio Lower Upper
117 100
82 50.5 43.4 65.2
119 32.5 26.0 39.0

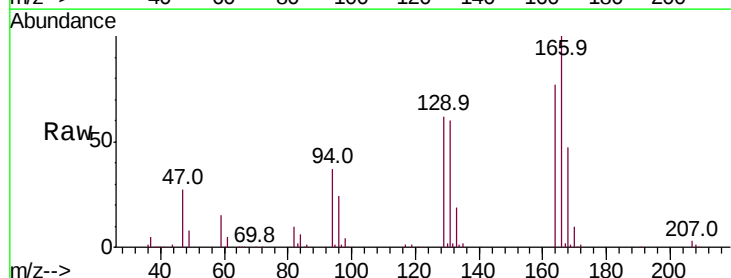


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

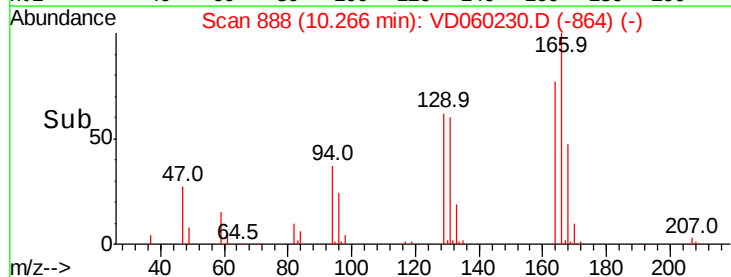
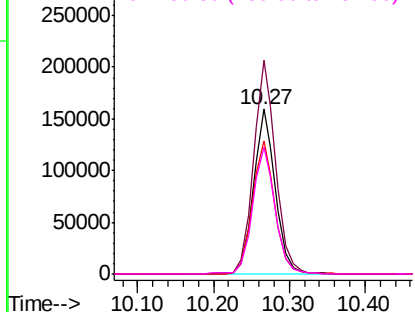


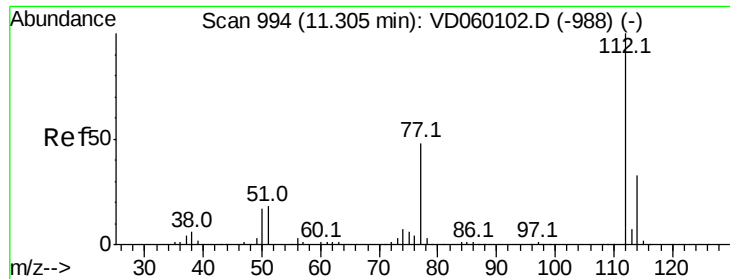
#64
Tetrachloroethene
Concen: 21.271 ug/l
RT: 10.27 min Scan# 888
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:164 Resp: 321383
Ion Ratio Lower Upper
164 100
166 129.7 105.4 158.0
129 80.8 65.7 98.5
131 77.2 62.9 94.3



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

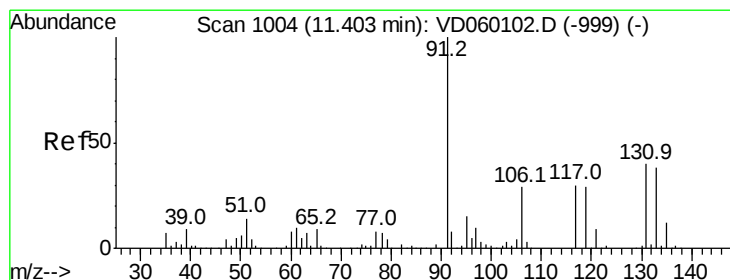
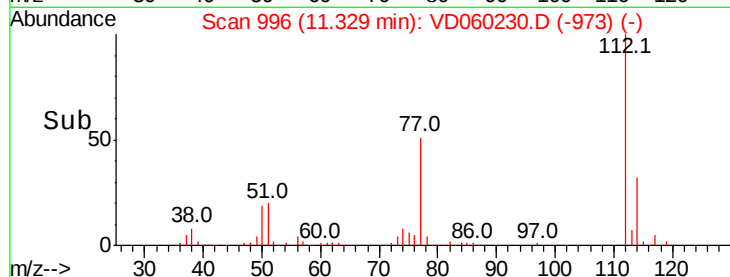
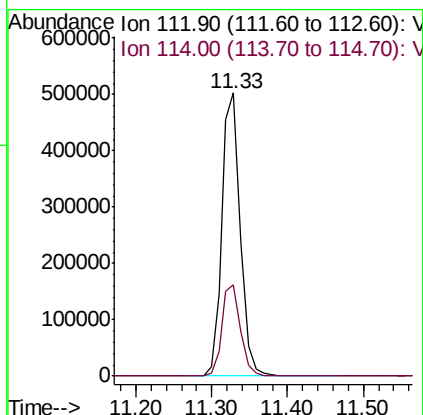
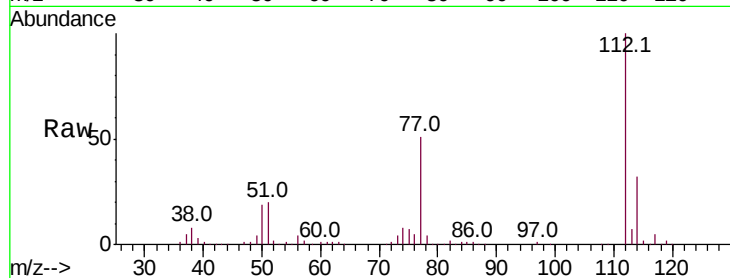




#65
Chlorobenzene
Concen: 22.768 ug/l
RT: 11.33 min Scan# 996
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

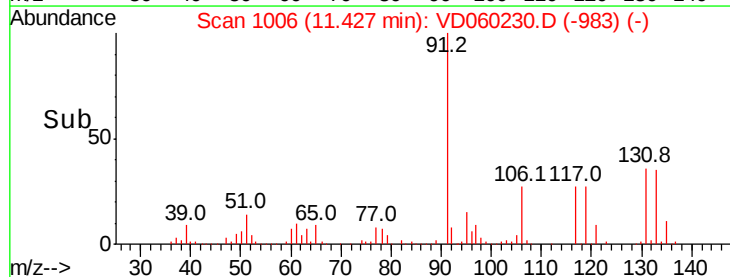
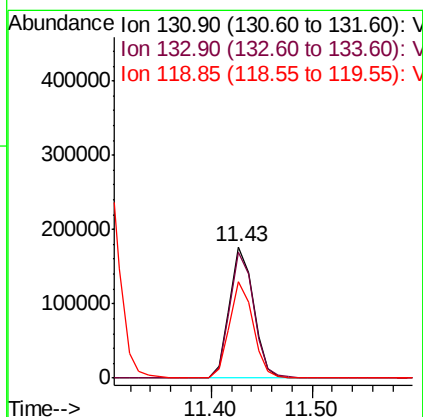
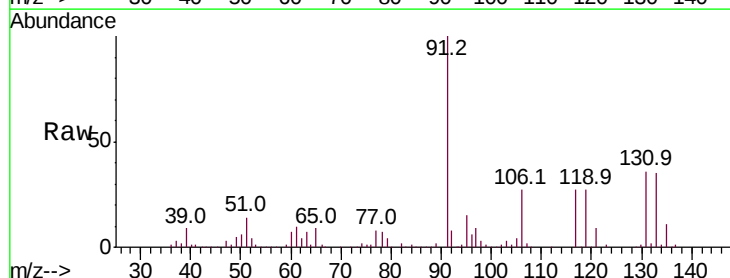
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

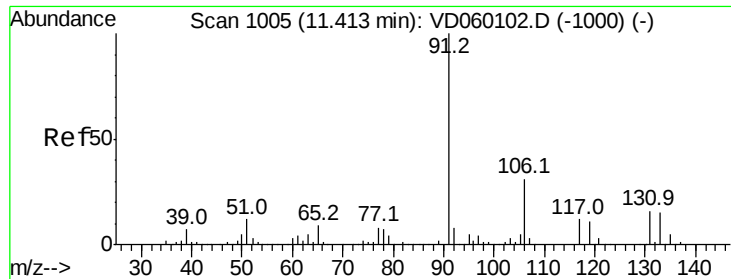
Tot Ion:112 Resp: 849667
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.662 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:131 Resp: 294591
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 73.9 36.1 108.3

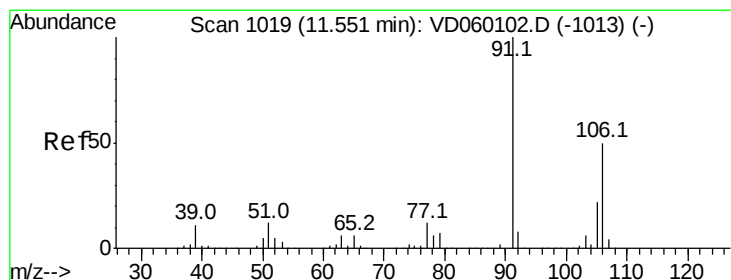
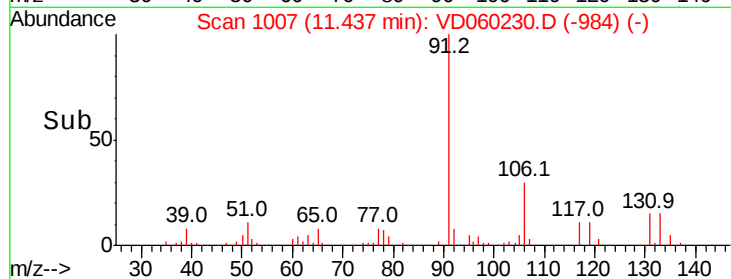
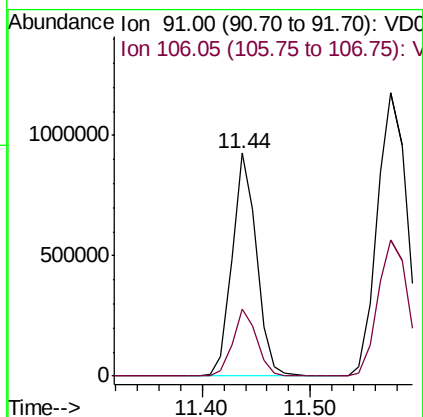
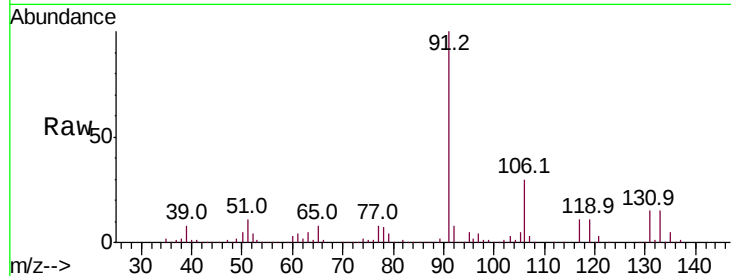




#67
Ethyl Benzene
Concen: 24.028 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

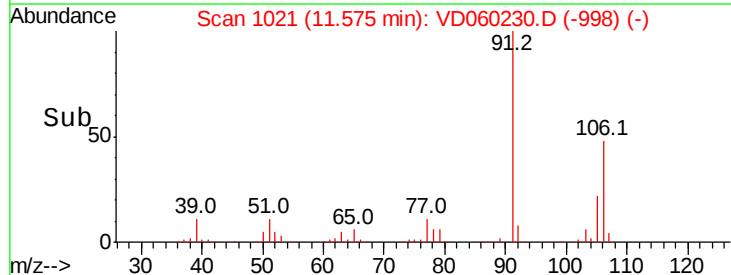
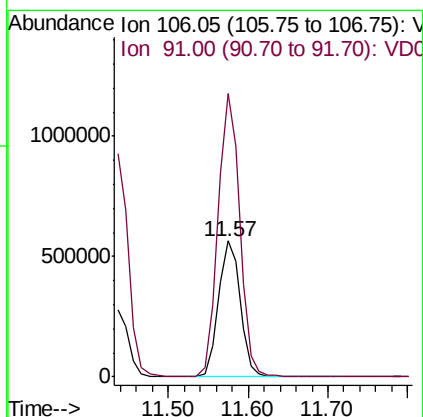
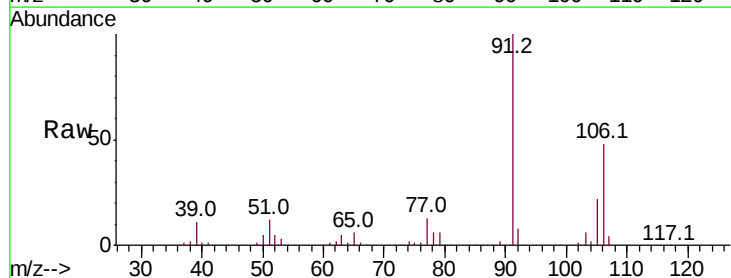
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

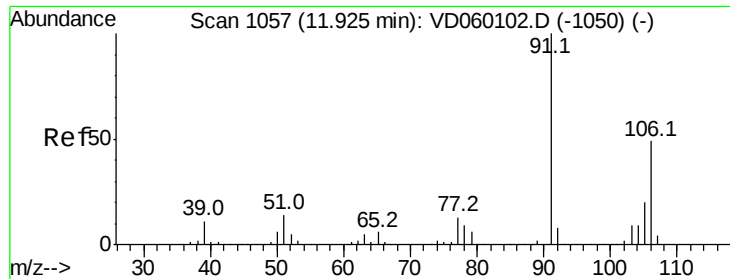
Tot Ion: 91 Resp: 1452822
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6



#68
m/p-Xylenes
Concen: 48.314 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 106 Resp: 1091499
Ion Ratio Lower Upper
106 100
91 208.3 160.0 240.0

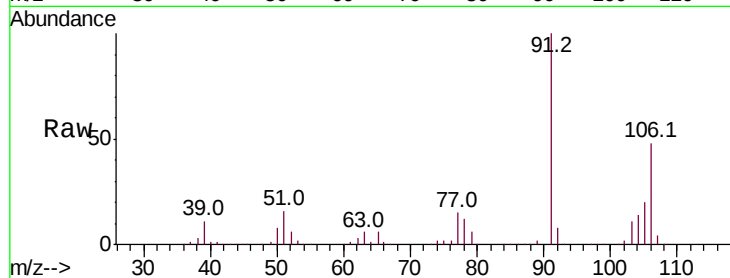




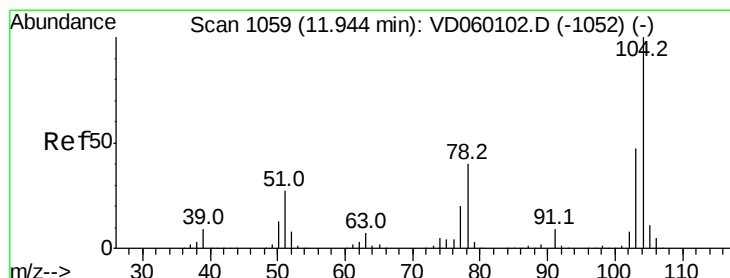
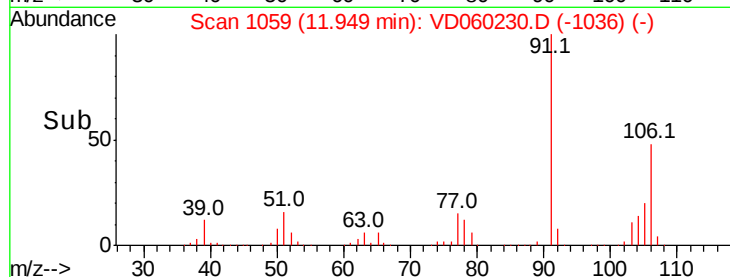
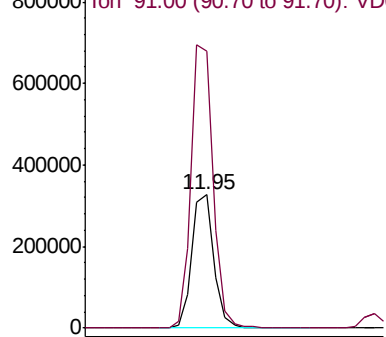
#69
o-Xylene
Concen: 23.431 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion:106 Resp: 523583
Ion Ratio Lower Upper
106 100
91 208.0 102.5 307.5

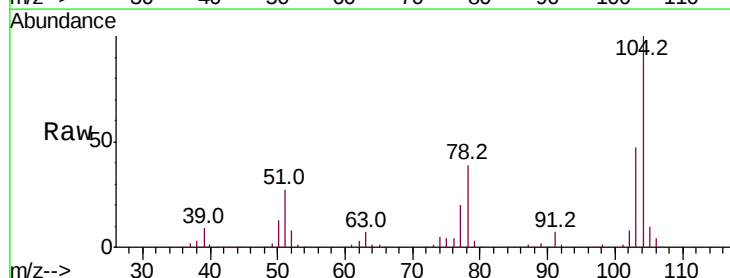


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

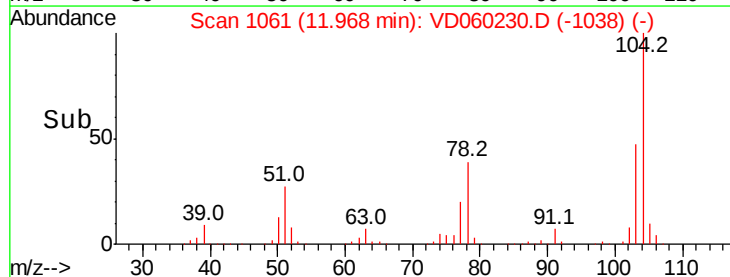
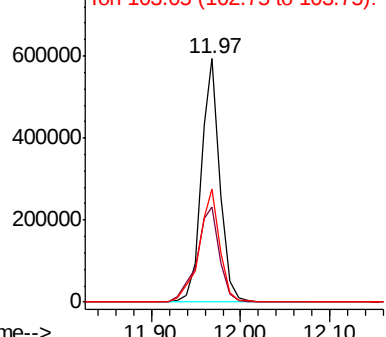


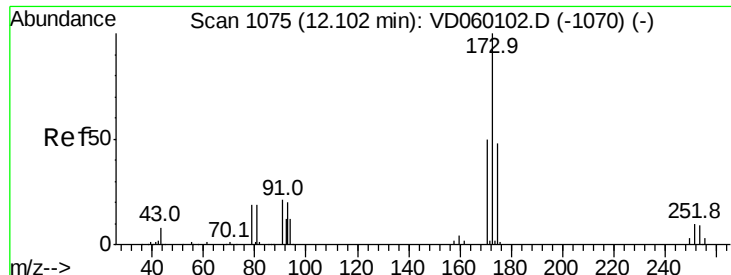
#70
Styrene
Concen: 23.248 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:104 Resp: 868769
Ion Ratio Lower Upper
104 100
78 39.3 32.2 48.4
103 46.7 37.4 56.0



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

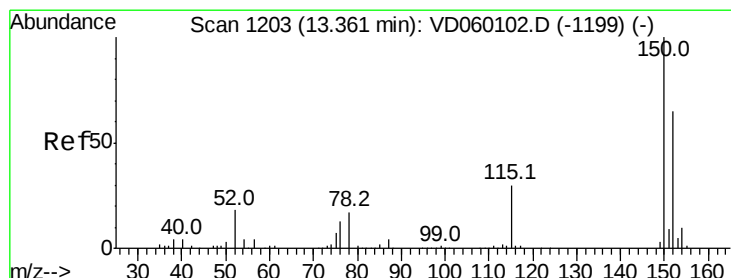
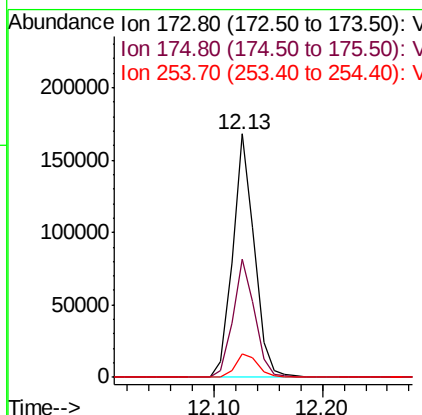
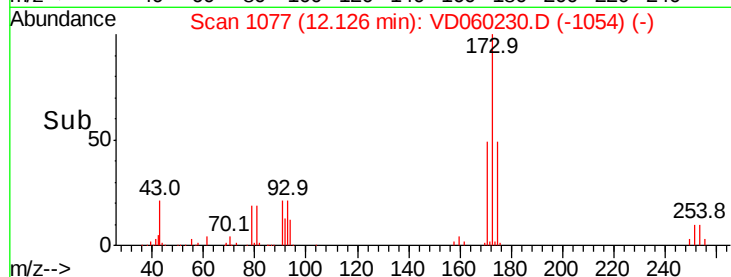
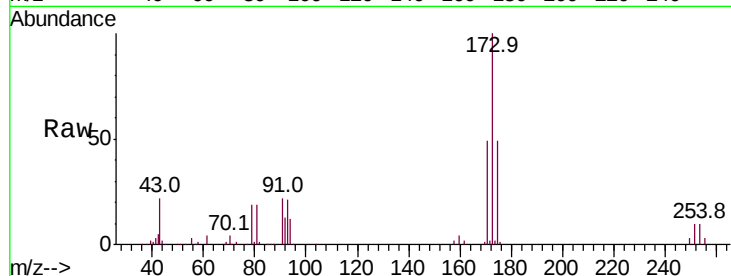




#71
Bromoform
Concen: 23.109 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

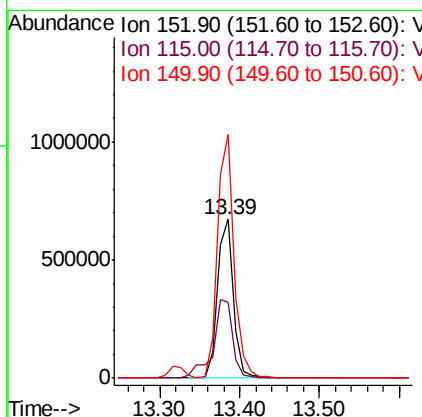
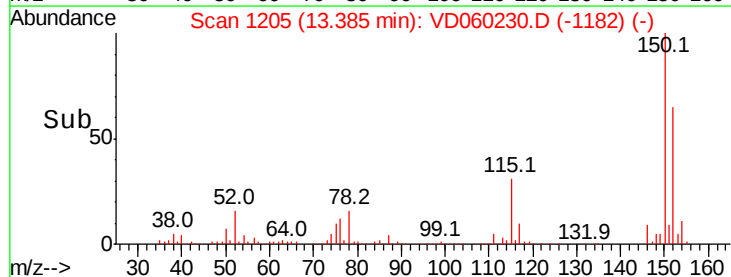
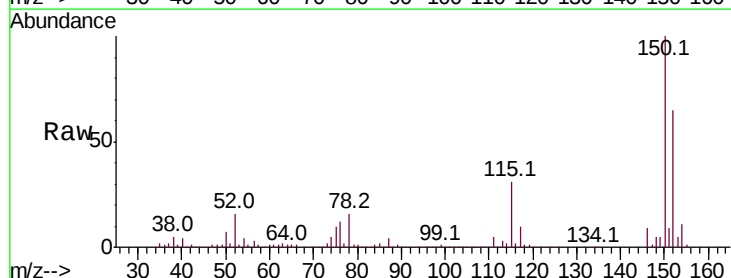
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

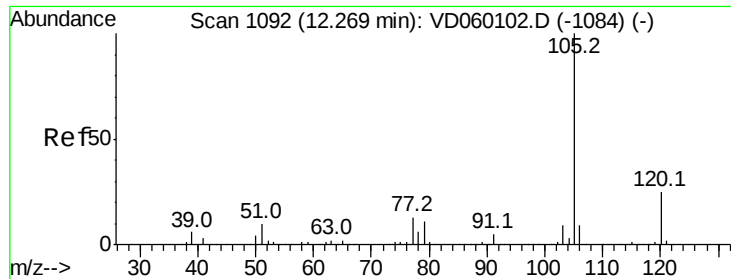
Tot Ion:173 Resp: 232965
Ion Ratio Lower Upper
173 100
175 48.8 24.1 72.4
254 9.6 7.4 11.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:152 Resp: 947464
Ion Ratio Lower Upper
152 100
115 47.9 27.1 81.2
150 153.5 0.0 311.8





#73

Isopropylbenzene

Concen: 22.871 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

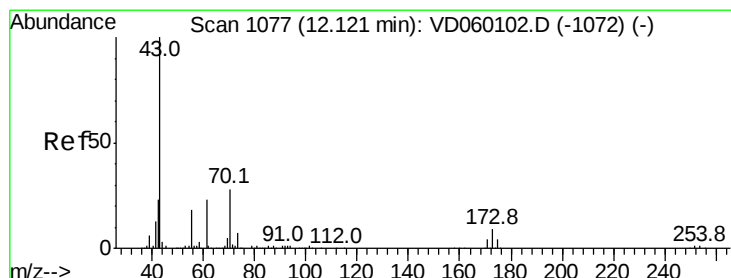
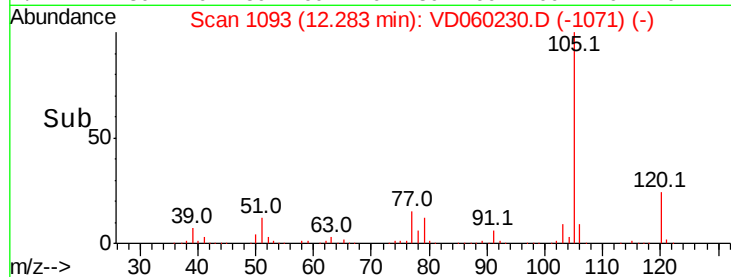
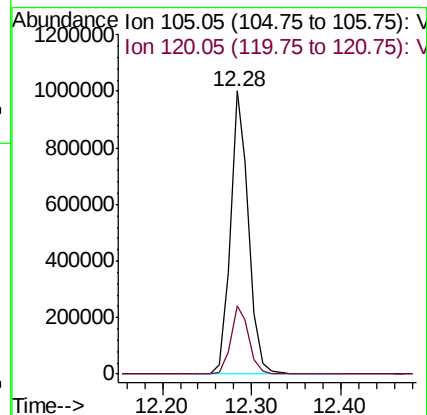
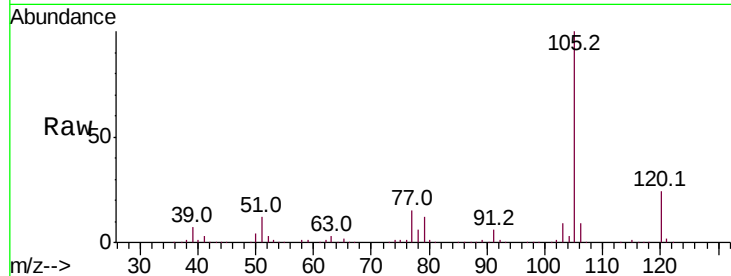
VD1029SBSD01

Tot Ion:105 Resp: 1429596

Ion Ratio Lower Upper

105 100

120 24.1 12.6 37.6



#74

N-ethyl acetate

Concen: 23.355 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion: 43 Resp: 534717

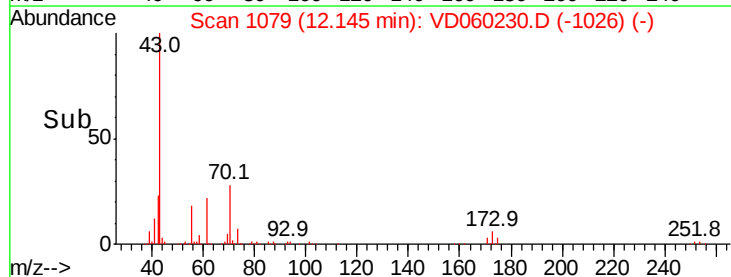
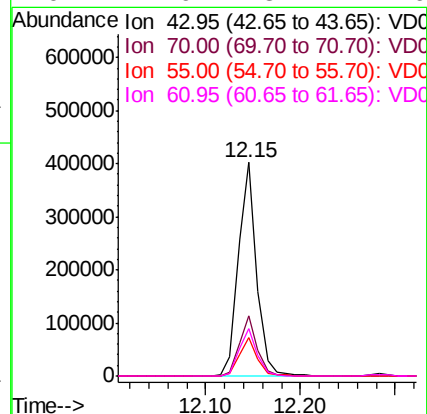
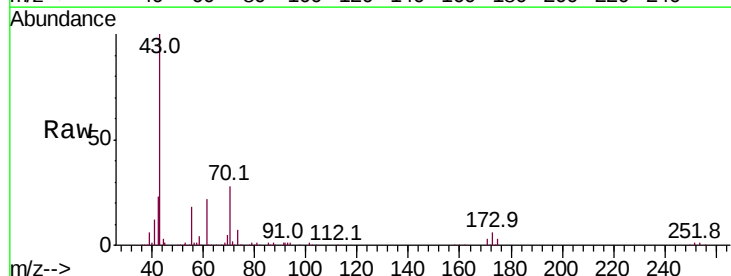
Ion Ratio Lower Upper

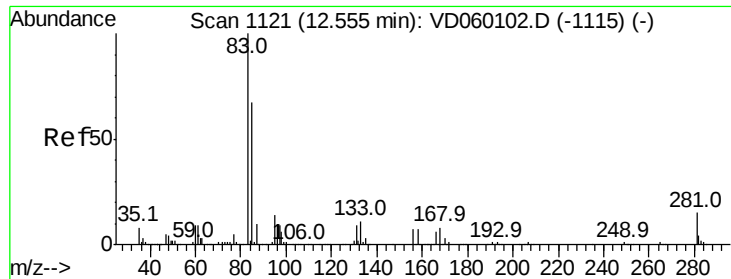
43 100

70 28.3 22.1 33.1

55 17.7 14.1 21.1

61 21.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.360 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

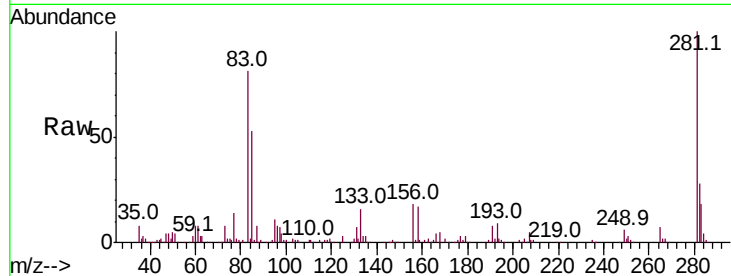
Tot Ion: 83 Resp: 305118

Ion Ratio Lower Upper

83 100

131 8.1 4.5 13.4

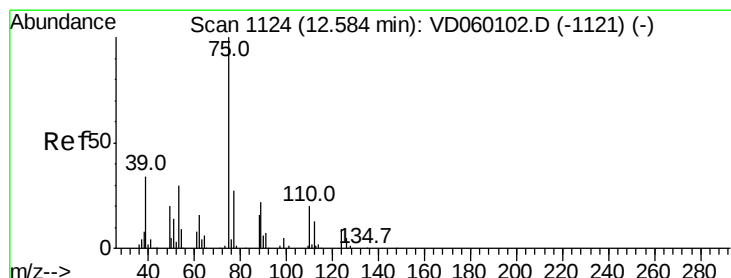
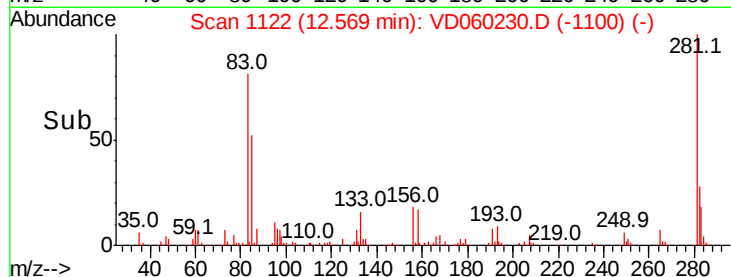
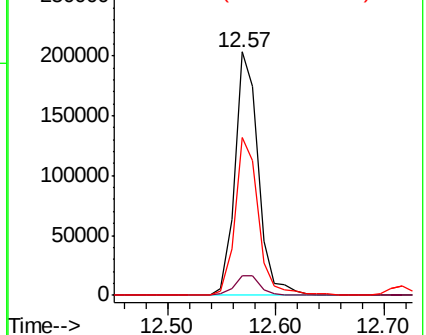
85 65.0 33.3 99.9



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: 22.744 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VD060230.D

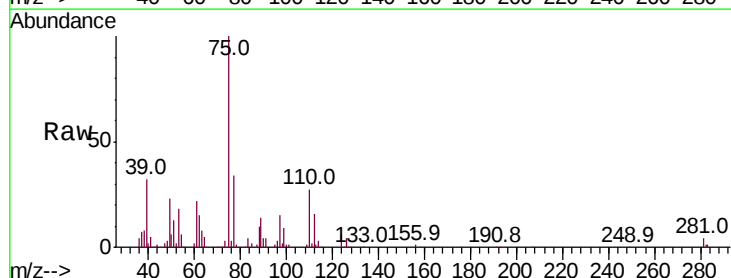
Acq: 29 Oct 2018 15:45

Tgt Ion: 75 Resp: 310336

Ion Ratio Lower Upper

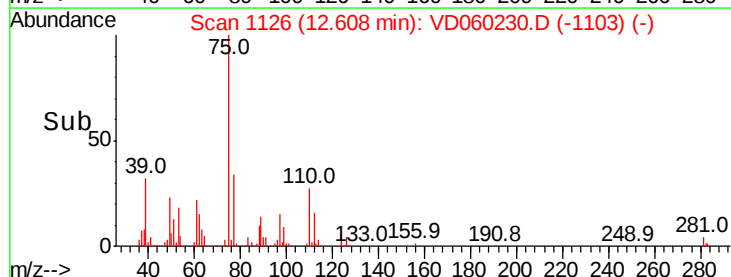
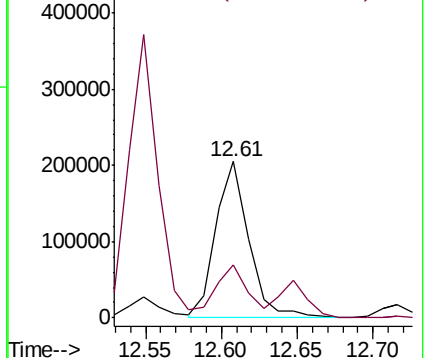
75 100

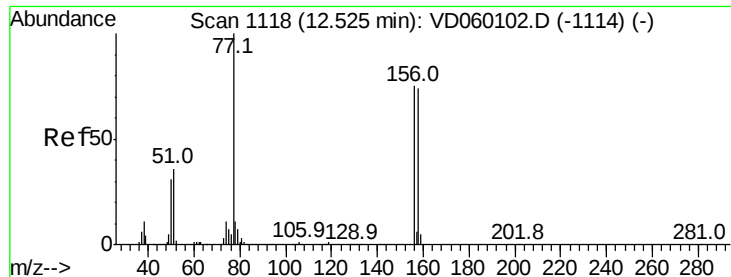
77 33.7 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.806 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

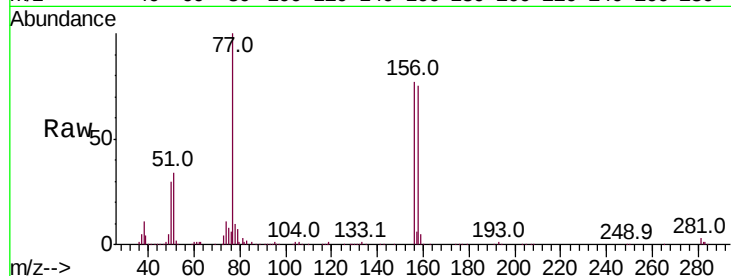
Tot Ion:156 Resp: 396079

Ion Ratio Lower Upper

156 100

77 129.2 66.9 200.7

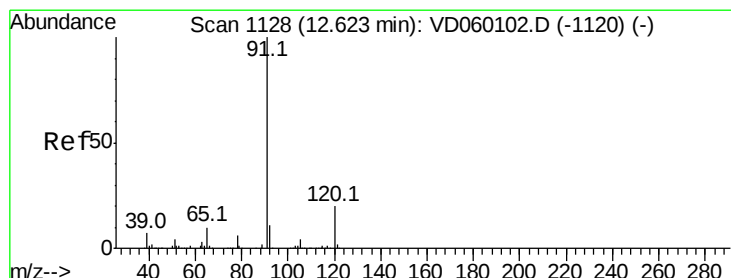
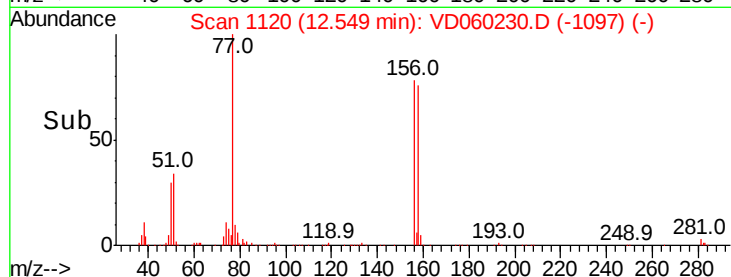
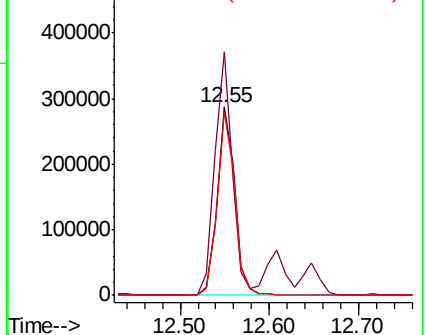
158 97.4 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.978 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060230.D

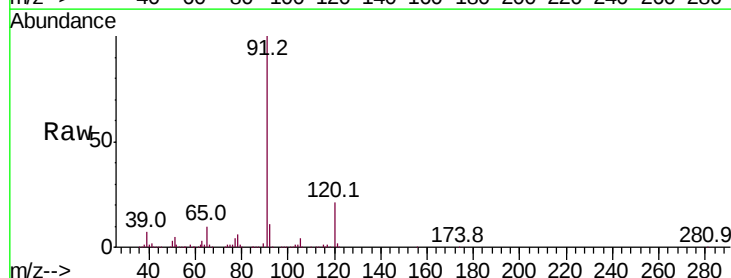
Acq: 29 Oct 2018 15:45

Tgt Ion: 91 Resp: 1783390

Ion Ratio Lower Upper

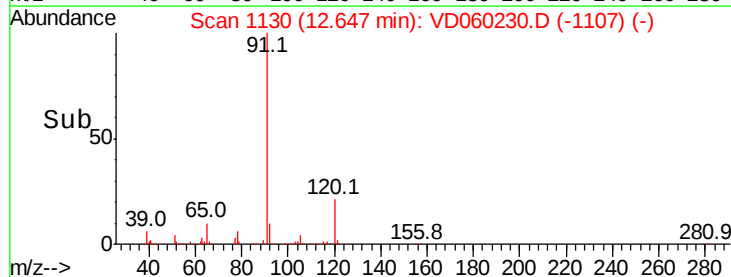
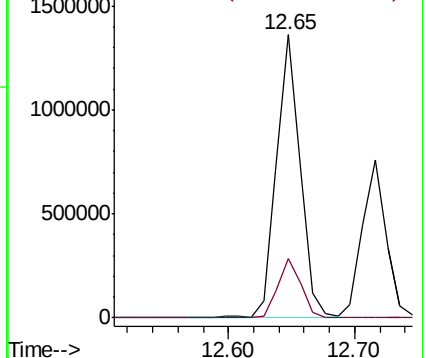
91 100

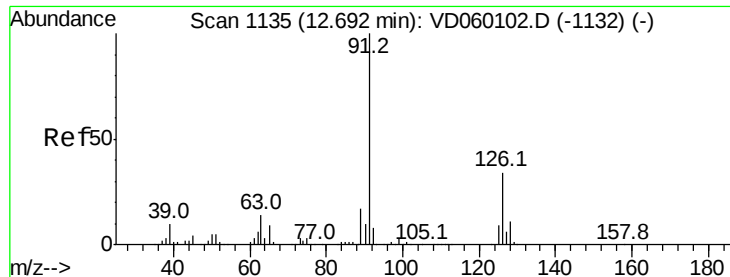
120 21.1 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.528 ug/l

RT: 12.72 min Scan# 1137

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

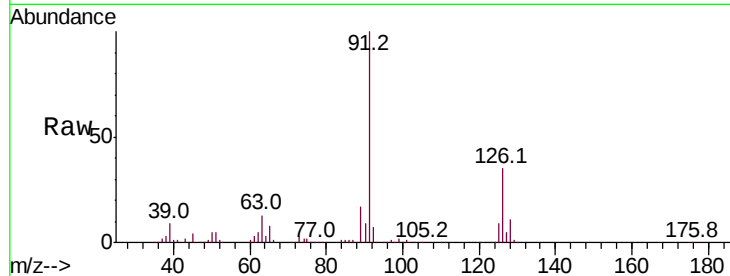
VD1029SBSD01

Tot Ion: 91 Resp: 970440

Ion Ratio Lower Upper

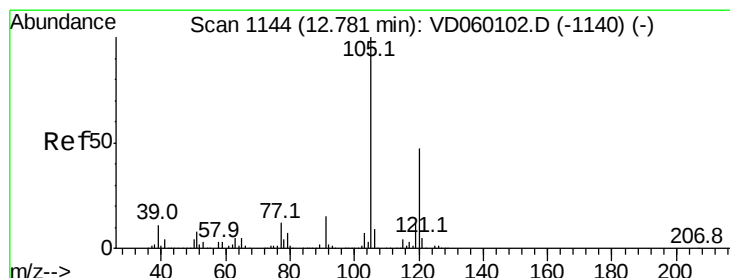
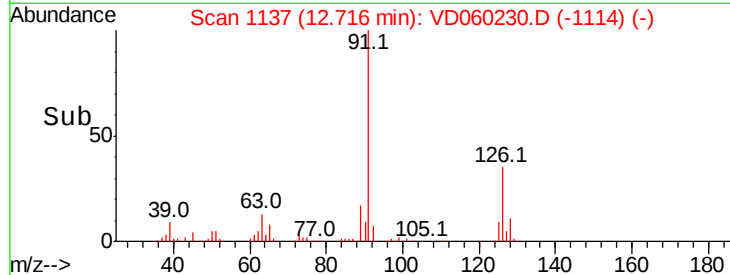
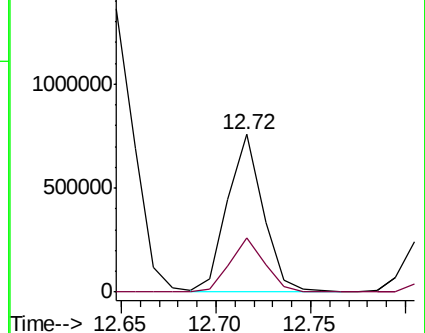
91 100

126 34.8 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 23.081 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.02 min

Lab File: VD060230.D

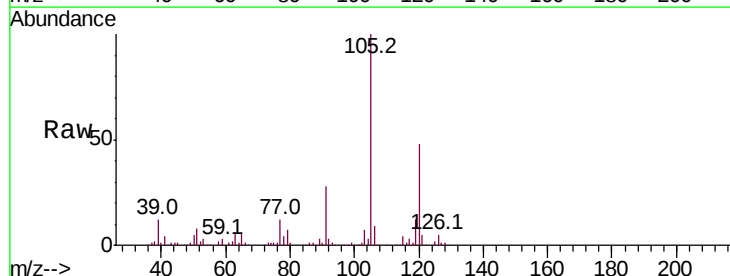
Acq: 29 Oct 2018 15:45

Tgt Ion:105 Resp: 1116573

Ion Ratio Lower Upper

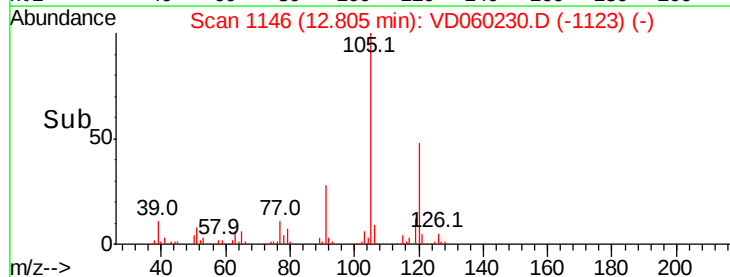
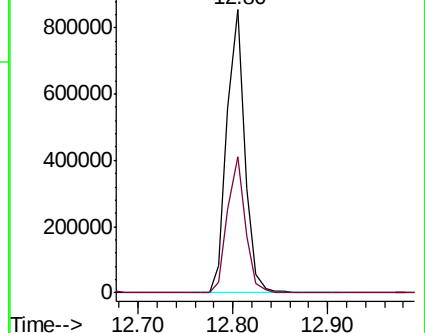
105 100

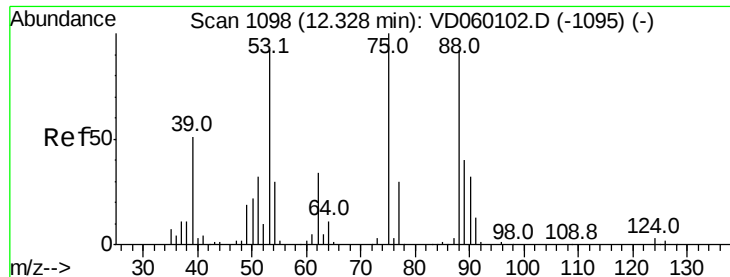
120 48.2 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.932 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

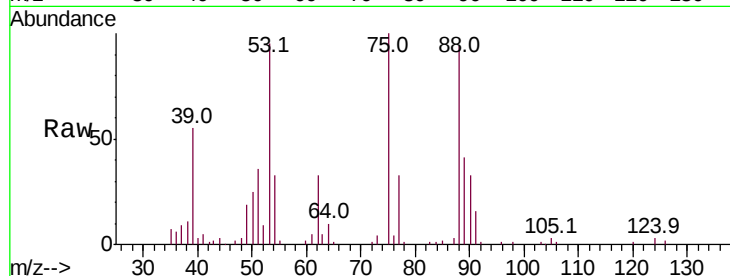
Tot Ion: 75 Resp: 84088

Ion Ratio Lower Upper

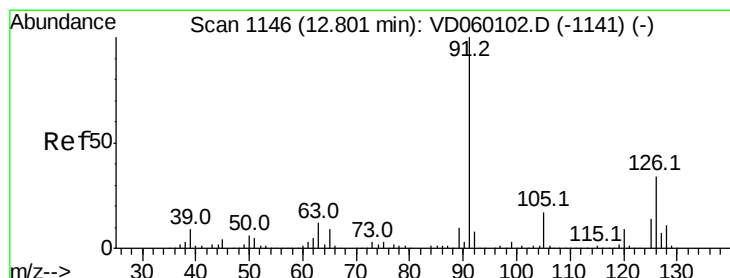
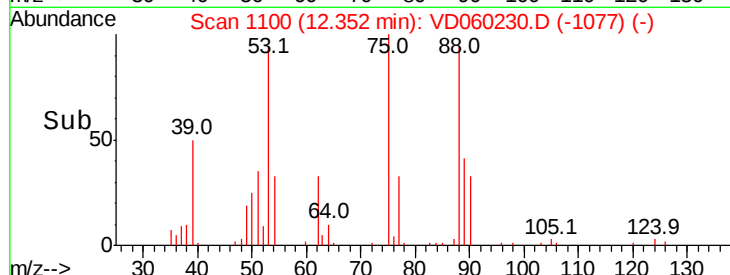
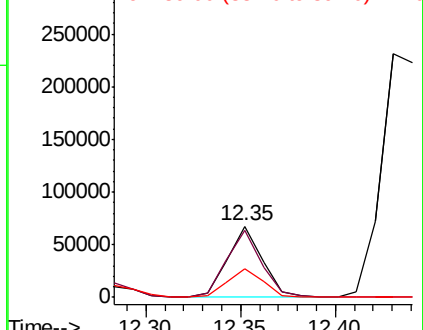
75 100

53 94.6 73.0 109.6

89 40.6 32.0 48.0



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



#82

4-Chlorotoluene

Concen: 23.487 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060230.D

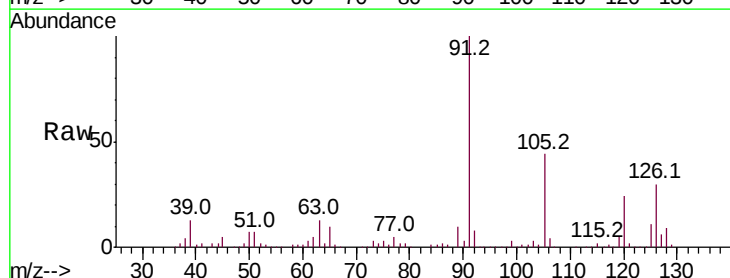
Acq: 29 Oct 2018 15:45

Tgt Ion: 91 Resp: 1144321

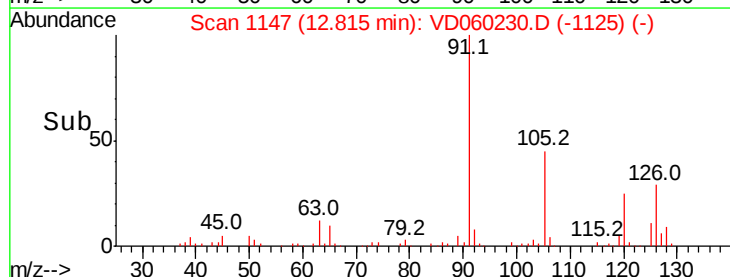
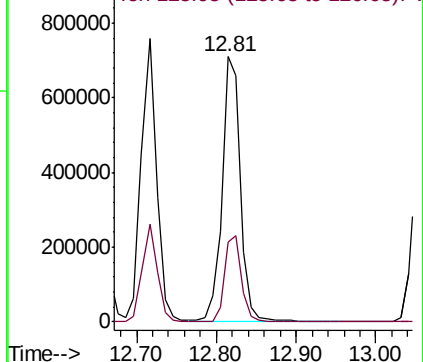
Ion Ratio Lower Upper

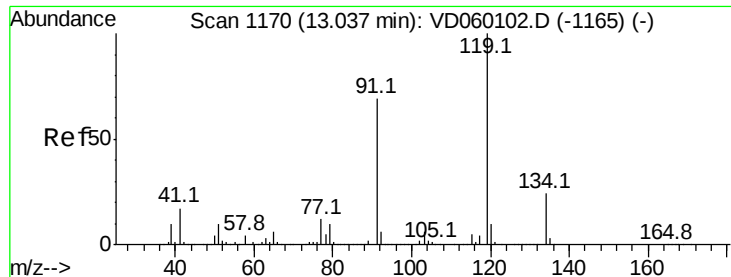
91 100

126 29.9 17.1 51.2



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





#83

tert-Butylbenzene

Concen: 22.141 ug/l

RT: 13.06 min Scan# 1172

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

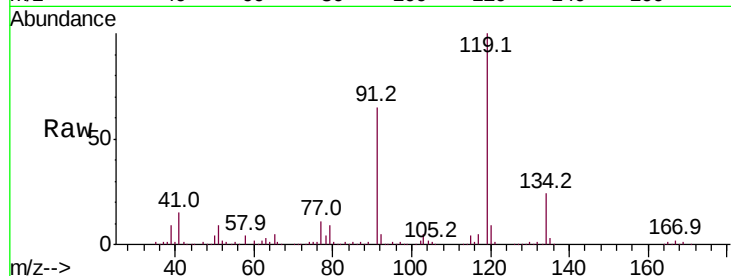
Tot Ion:119 Resp: 1229168

Ion Ratio Lower Upper

119 100

91 65.3 34.8 104.4

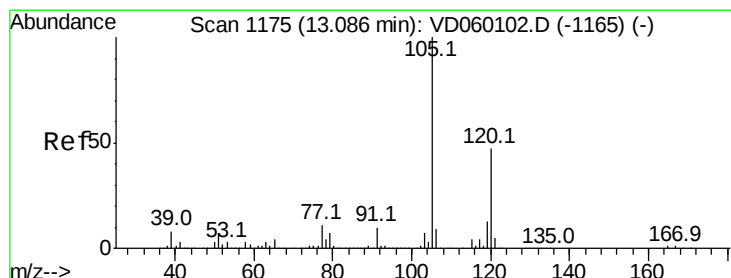
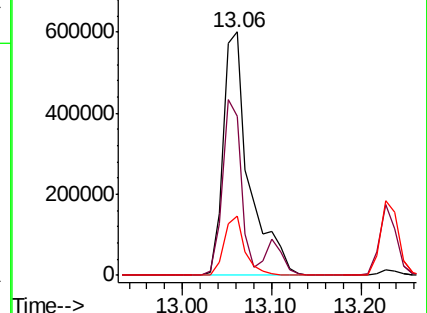
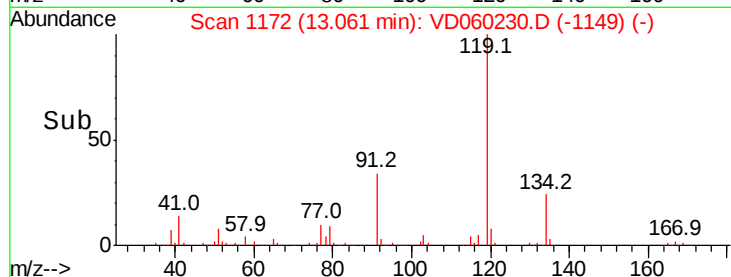
134 24.2 11.8 35.4



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: 21.811 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VD060230.D

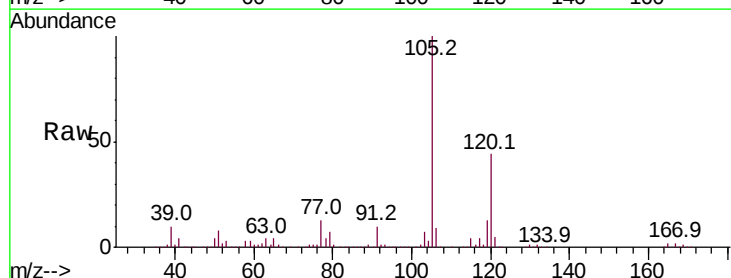
Acq: 29 Oct 2018 15:45

Tgt Ion:105 Resp: 1112043

Ion Ratio Lower Upper

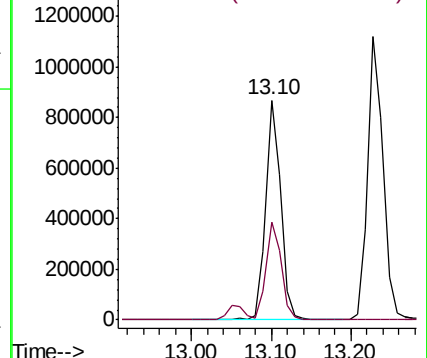
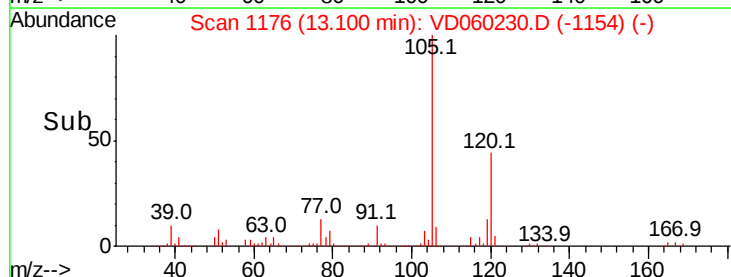
105 100

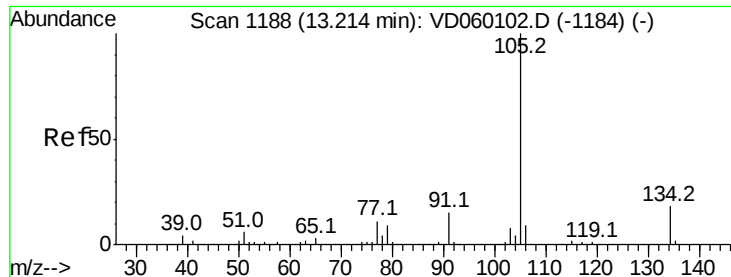
120 44.4 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.577 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

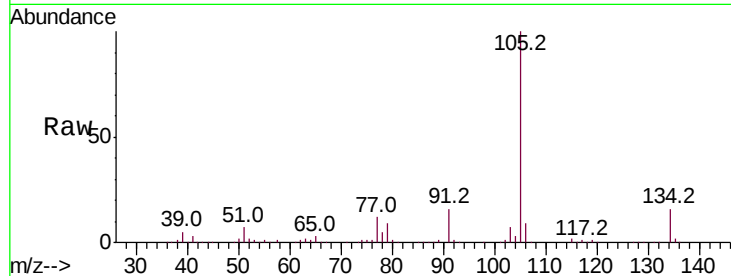
VD1029SBS01

Tot Ion:105 Resp: 1481942

Ion Ratio Lower Upper

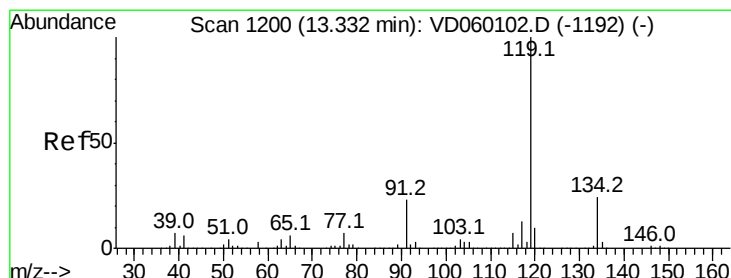
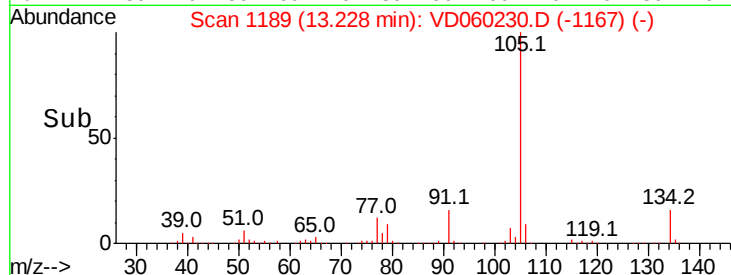
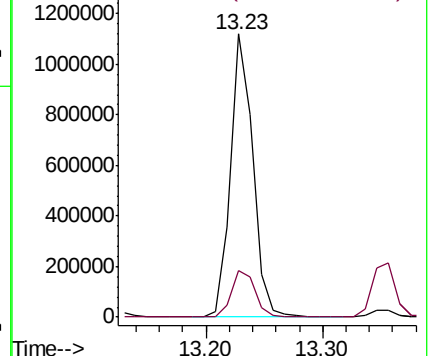
105 100

134 16.5 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.875 ug/l

RT: 13.36 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

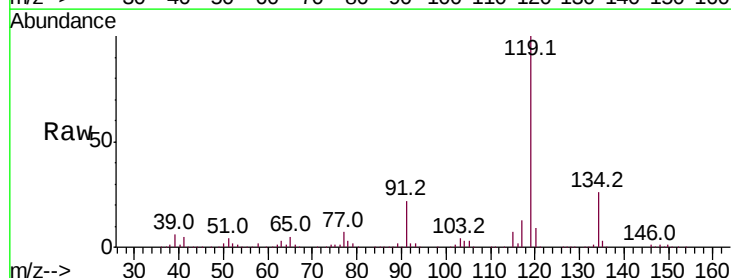
Tgt Ion:119 Resp: 1231550

Ion Ratio Lower Upper

119 100

134 25.9 12.3 36.8

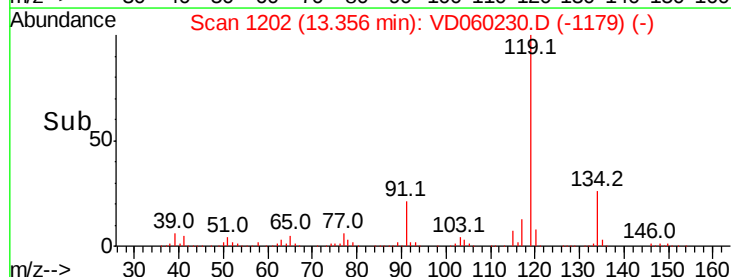
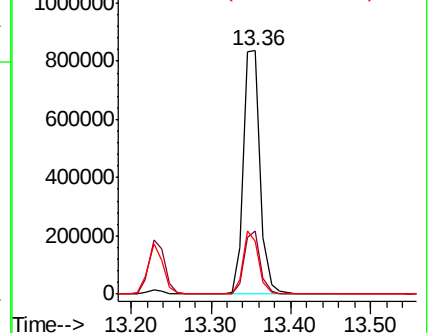
91 21.6 11.8 35.4

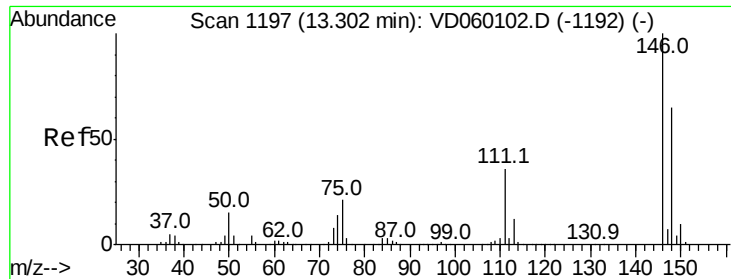


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

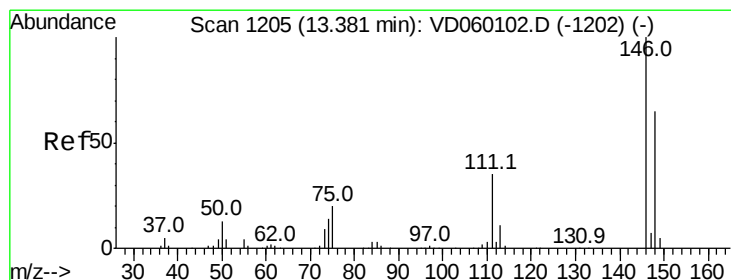
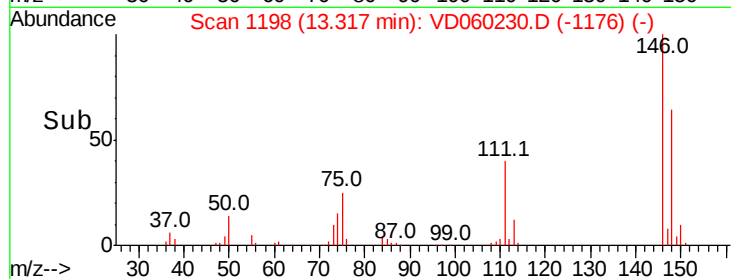
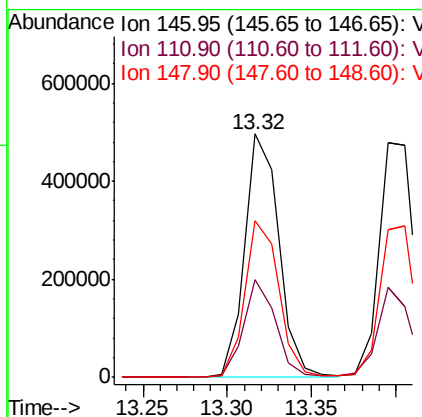
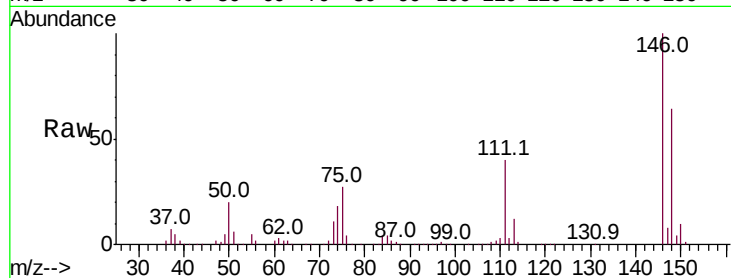




#87
 1,3-Dichlorobenzene
 Concen: 22.153 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

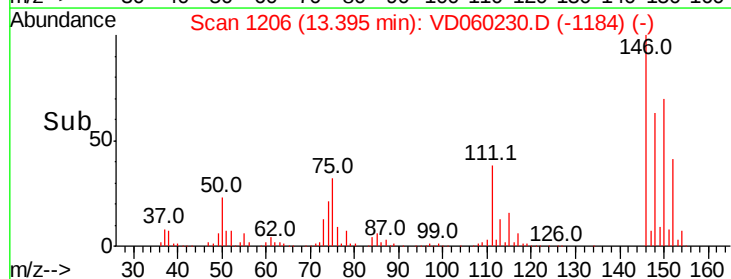
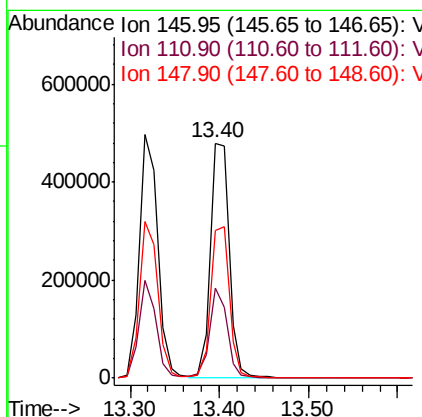
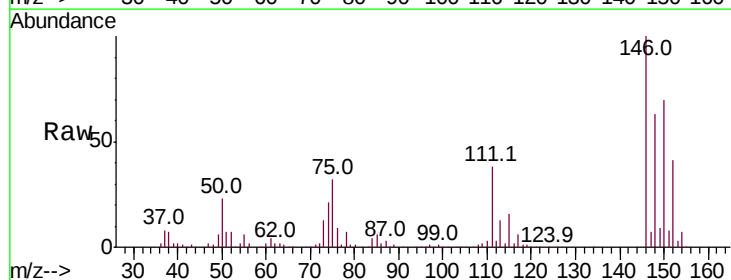
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

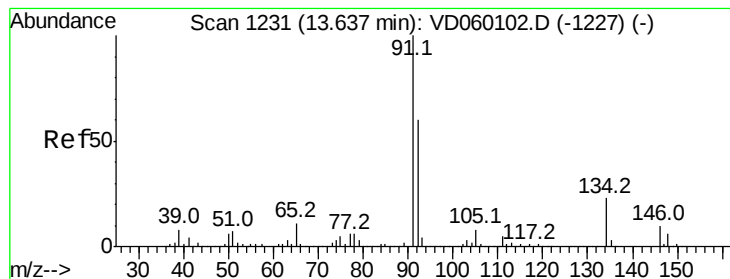
Tot Ion:146 Resp: 701048
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.1 54.3
 148 64.2 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 22.088 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion:146 Resp: 702123
 Ion Ratio Lower Upper
 146 100
 111 38.3 17.8 53.3
 148 62.7 32.4 97.2





#89

n-Butylbenzene

Concen: 24.119 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

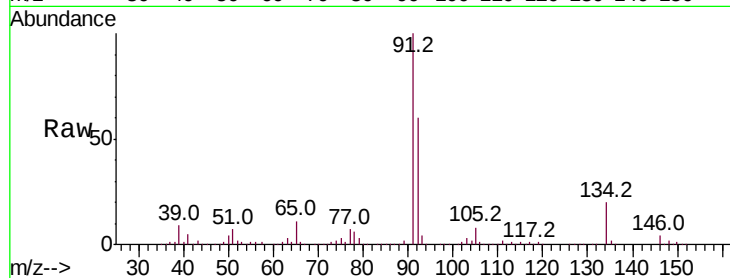
Tot Ion: 91 Resp: 1267041

Ion Ratio Lower Upper

91 100

92 60.0 30.1 90.3

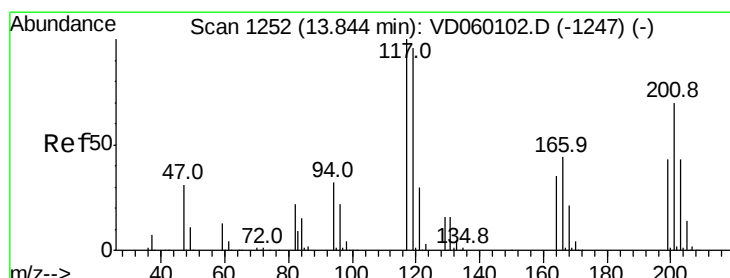
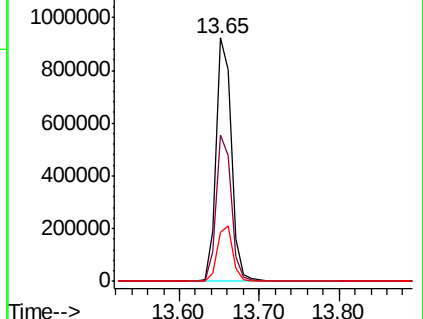
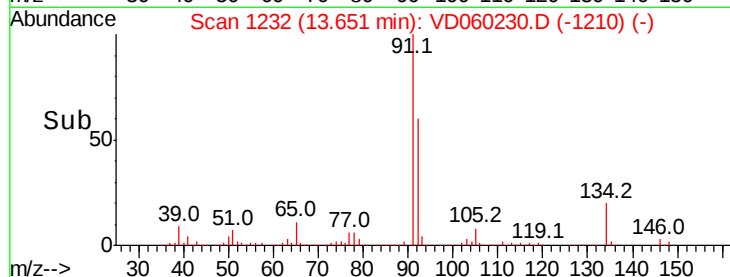
134 19.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.169 ug/l

RT: 13.87 min Scan# 1254

Delta R.T. 0.02 min

Lab File: VD060230.D

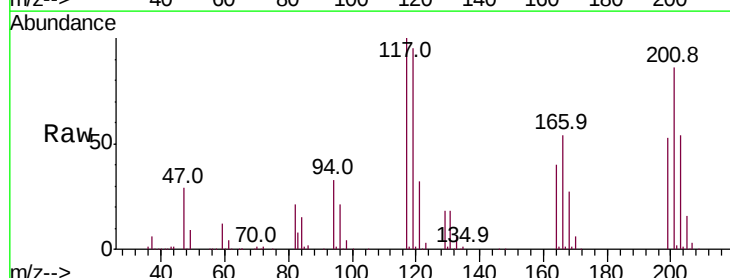
Acq: 29 Oct 2018 15:45

Tgt Ion: 117 Resp: 276217

Ion Ratio Lower Upper

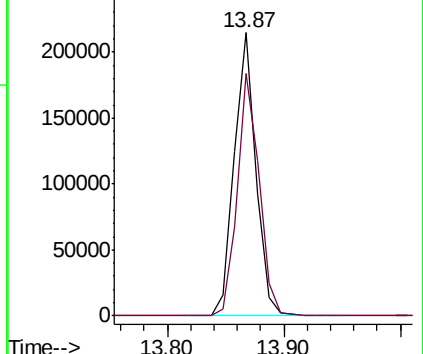
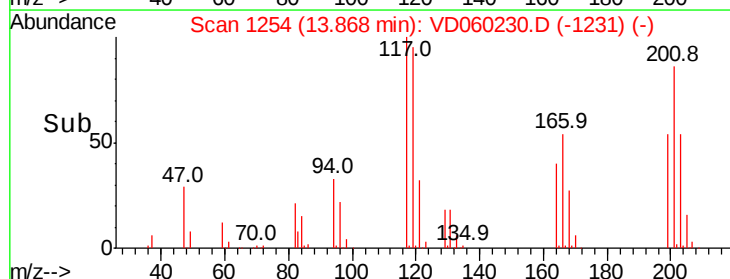
117 100

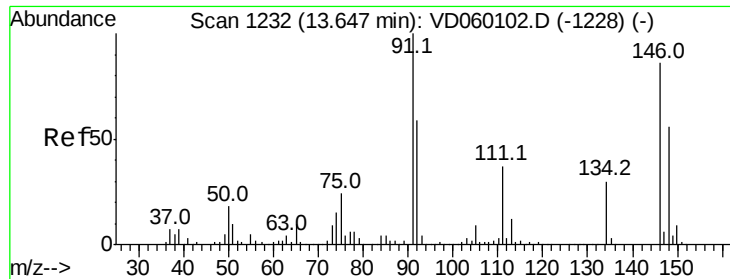
201 85.7 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 23.574 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

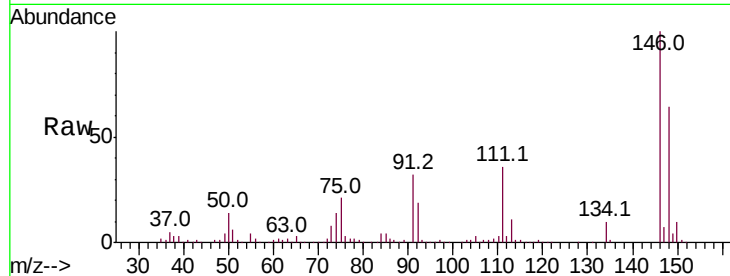
Tot Ion:146 Resp: 627288

Ion Ratio Lower Upper

146 100

111 35.9 21.4 64.3

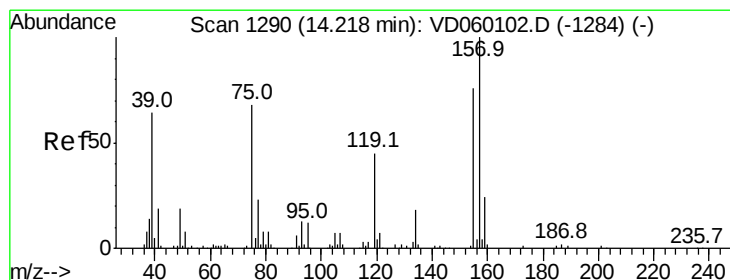
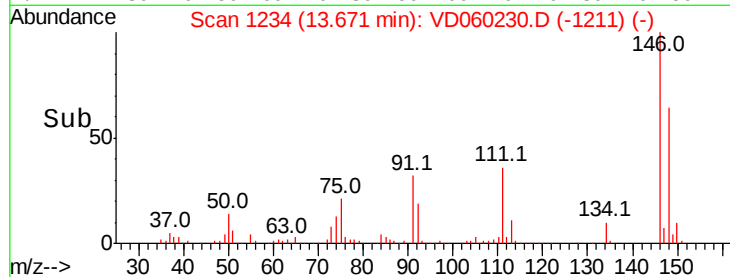
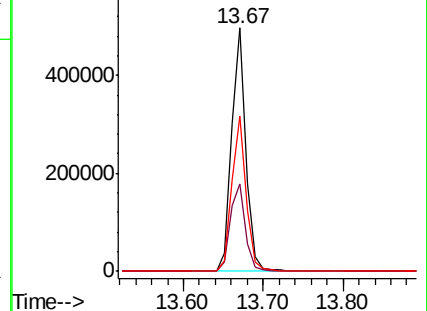
148 63.6 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.332 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

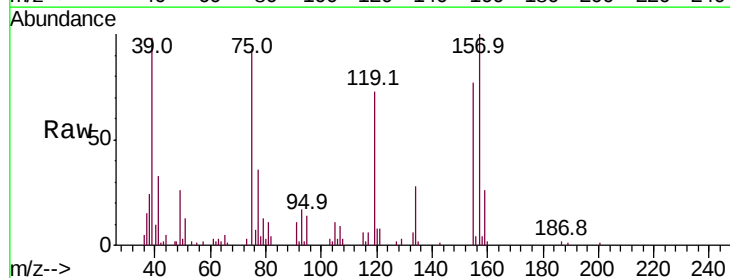
Tgt Ion: 75 Resp: 40689

Ion Ratio Lower Upper

75 100

155 82.7 55.9 167.7

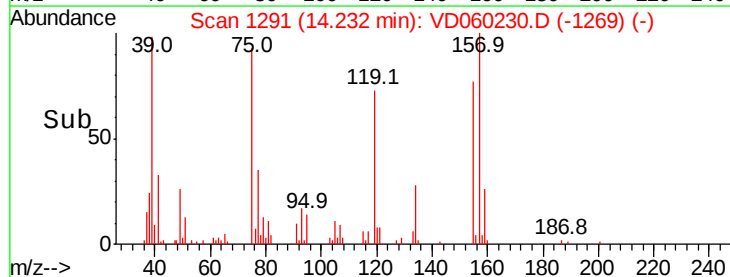
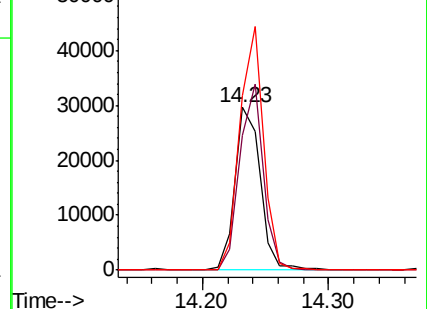
157 107.5 73.3 219.8

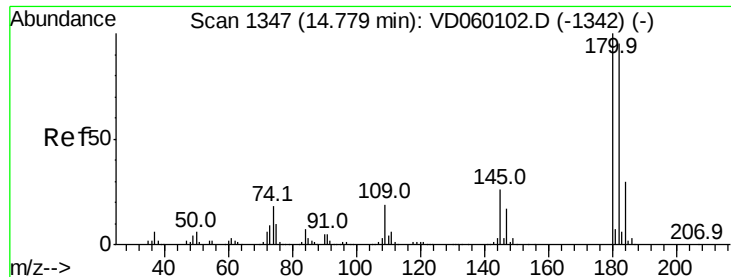


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

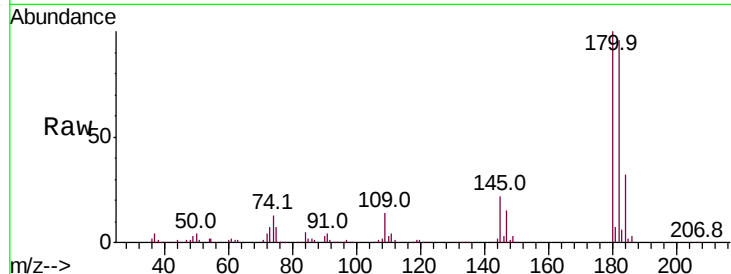




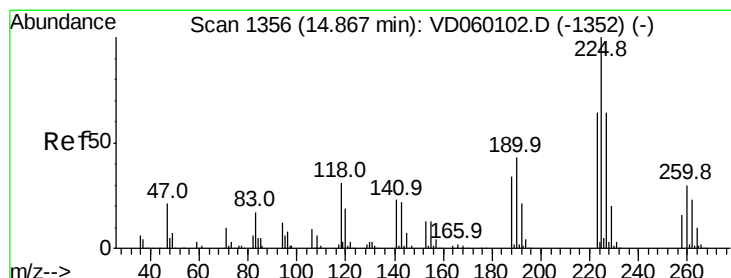
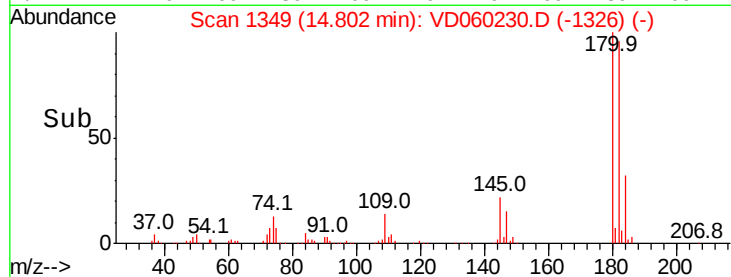
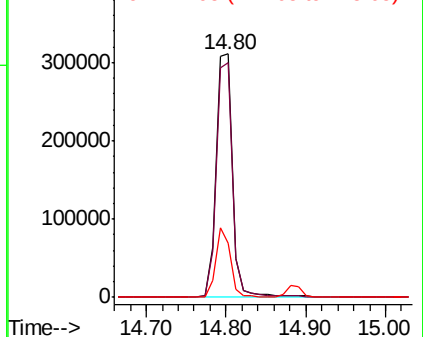
#93
 1,2,4-Trichlorobenzene
 Concen: 20.056 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.02 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tot Ion:180 Resp: 452974
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 141.8
 145 22.2 13.0 38.9

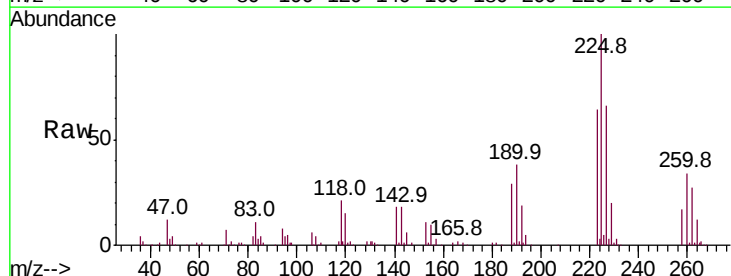


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

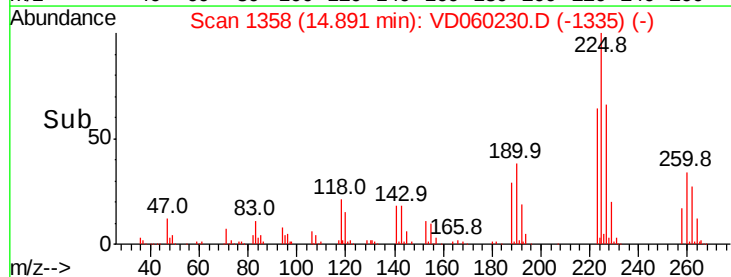
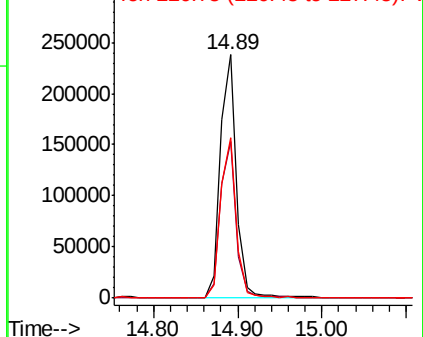


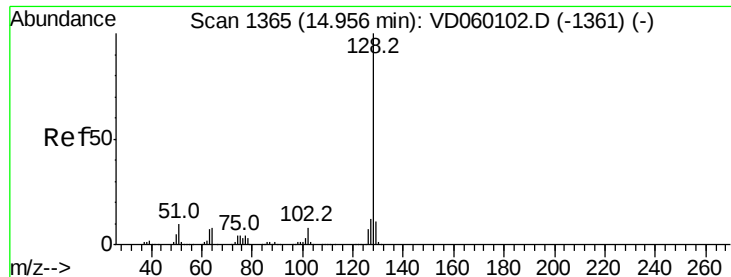
#94
 Hexachlorobutadiene
 Concen: 21.070 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.02 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion:225 Resp: 316315
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.8 95.4
 227 65.8 32.0 96.0



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: 21.460 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

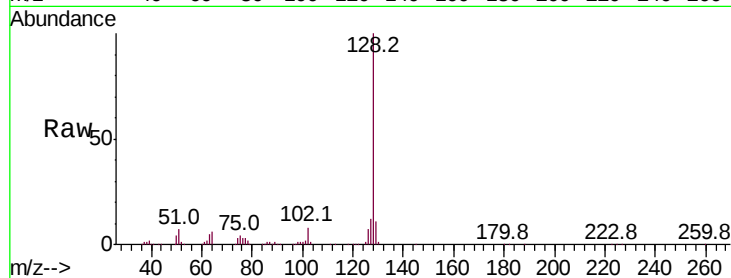
MSVOA_D

ClientSampleId :

VD1029SBSD01

Tot Ion:128 Resp: 718438

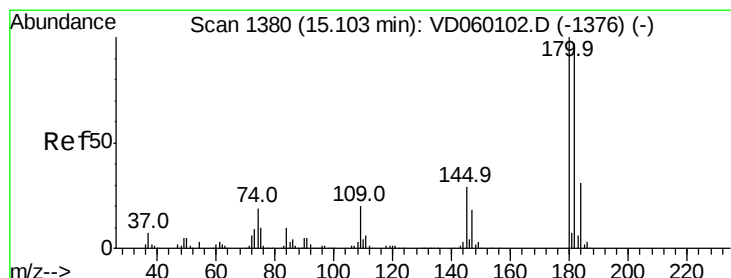
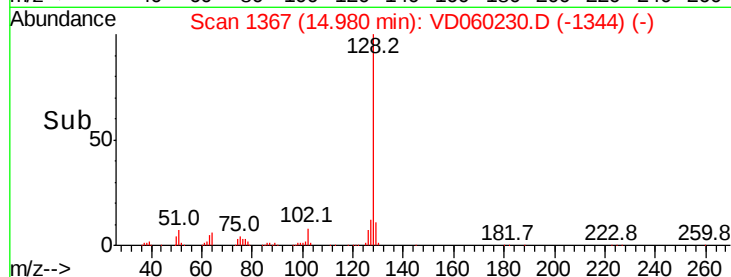
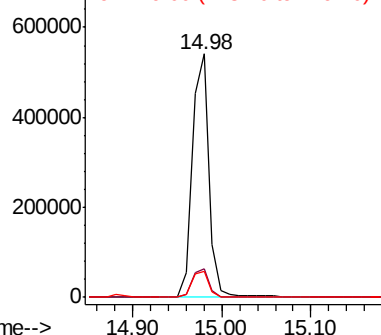
Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.9	14.9
129	10.5	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.839 ug/l

RT: 15.13 min Scan# 1382

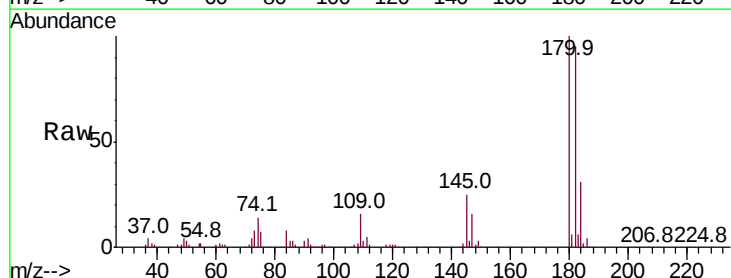
Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion:180 Resp: 409429

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	24.7	14.5	43.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

