

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060229.D
 Acq On : 29 Oct 2018 15:17
 Operator : VA/AP
 Sample : VD1029SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 29 15:41:46 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	6.43	168	1547584	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.47	114	2088243	50.00	ug/l	0.05
63) Chlorobenzene-d5	11.31	117	1781899	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.39	152	940192	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	621342	52.97	ug/l	0.05
Spiked Amount 50.000			Recovery =	105.94%		
35) Dibromofluoromethane	6.35	113	847439	53.44	ug/l	0.05
Spiked Amount 50.000			Recovery =	106.88%		
50) Toluene-d8	9.49	98	2272543	50.26	ug/l	0.05
Spiked Amount 50.000			Recovery =	100.52%		
62) 4-Bromofluorobenzene	12.45	95	878614	51.89	ug/l	0.03
Spiked Amount 50.000			Recovery =	103.78%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	298853	20.529	ug/l	100
3) Chloromethane	1.76	50	323302	24.629	ug/l	98
4) Vinyl Chloride	1.86	62	258339	24.048	ug/l	100
5) Bromomethane	2.15	94	21961	16.281	ug/l	89
6) Chloroethane	2.25	64	60429	20.613	ug/l	95
7) Trichlorofluoromethane	2.51	101	309052	24.026	ug/l	98
8) Diethyl Ether	2.84	74	68744	25.990	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	220535	27.521	ug/l	95
10) Methyl Iodide	3.26	142	190110	22.371	ug/l	96
11) Tert butyl alcohol	3.99	59	83295	99.005	ug/l	100
12) 1,1-Dichloroethene	3.08	96	172164	27.271	ug/l	86
13) Acrolein	2.99	56	41487	79.993	ug/l	98
14) Allyl chloride	3.54	41	331174	25.258	ug/l	98
15) Acrylonitrile	4.10	53	409079	117.472	ug/l	98
16) Acetone	3.17	43	344370	161.781	ug/l	99
17) Carbon Disulfide	3.33	76	509461	23.998	ug/l	98
18) Methyl Acetate	3.57	43	117384	25.657	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	647285	23.320	ug/l	98
20) Methylene Chloride	3.73	84	394334	21.045	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	363342	22.285	ug/l	97
22) Diisopropyl ether	4.87	45	1345865	22.985	ug/l	93
23) Vinyl Acetate	4.82	43	3918418	119.050	ug/l	99
24) 1,1-Dichloroethane	4.77	63	610793	23.006	ug/l	99
25) 2-Butanone	5.64	43	686427	129.081	ug/l	97
26) 2,2-Dichloropropane	5.61	77	506306	25.156	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	391502	22.664	ug/l	90
28) Bromochloromethane	5.94	49	286820	22.231	ug/l	98
29) Tetrahydrofuran	5.97	42	359846	116.498	ug/l	99
30) Chloroform	6.12	83	644025	23.981	ug/l	98
31) Cyclohexane	6.39	56	560642	22.060	ug/l	95
32) 1,1,1-Trichloroethane	6.31	97	517312	23.512	ug/l	98
36) 1,1-Dichloropropene	6.55	75	479106	24.009	ug/l	97
37) Ethyl Acetate	5.72	43	308778	23.312	ug/l	98
38) Carbon Tetrachloride	6.53	117	436528	24.102	ug/l	100

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 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)
39) Methylcyclohexane	8.06	83	529349	23.347	ug/l	96
40) Benzene	6.82	78	1224958	23.464	ug/l	100
41) Methacrylonitrile	5.96	41	358419	47.875	ug/l #	94
42) 1,2-Dichloroethane	6.92	62	356276	23.804	ug/l	98
43) Isopropyl Acetate	8.38	43	395307	22.685	ug/l	100
44) Trichloroethene	7.77	130	362984	22.461	ug/l	98
45) 1,2-Dichloropropane	8.13	63	321136	23.493	ug/l	99
46) Dibromomethane	8.24	93	207182	23.410	ug/l	92
47) Bromodichloromethane	8.51	83	462475	24.526	ug/l	97
48) Methyl methacrylate	8.27	41	235362	23.712	ug/l	98
49) 1,4-Dioxane	8.26	88	43800	448.479	ug/l	96
51) 4-Methyl-2-Pentanone	9.37	43	1362642	123.979	ug/l	97
52) Toluene	9.58	92	803118	23.887	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	405794	23.783	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	506605	24.044	ug/l	98
55) 1,1,2-Trichloroethane	10.21	97	262340	23.867	ug/l	96
56) Ethyl methacrylate	10.06	69	280759	23.140	ug/l	95
57) 1,3-Dichloropropane	10.41	76	409308	24.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	823645	122.246	ug/l	94
59) 2-Hexanone	10.51	43	1064212	134.653	ug/l	97
60) Dibromochloromethane	10.67	129	321058	23.807	ug/l	100
61) 1,2-Dibromoethane	10.79	107	272041	23.294	ug/l	97
64) Tetrachloroethene	10.28	164	349612	22.401	ug/l	96
65) Chlorobenzene	11.34	112	867666	22.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.45	131	300827	23.392	ug/l	97
67) Ethyl Benzene	11.46	91	1503254	24.069	ug/l	99
68) m/p-Xylenes	11.59	106	1095991	46.966	ug/l	99
69) o-Xylene	11.96	106	522586	22.640	ug/l	93
70) Styrene	11.98	104	881082	22.825	ug/l	96
71) Bromoform	12.14	173	219187	21.049	ug/l #	96
73) Isopropylbenzene	12.30	105	1443887	23.279	ug/l	99
74) N-amyl acetate	12.16	43	509267	22.415	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	301865	22.292	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	300695	22.208	ug/l	98
77) Bromobenzene	12.57	156	399719	22.177	ug/l	89
78) n-propylbenzene	12.67	91	1783380	23.155	ug/l	97
79) 2-Chlorotoluene	12.73	91	974644	22.801	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	1153731	24.033	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	82888	21.787	ug/l	97
82) 4-Chlorotoluene	12.83	91	1153917	23.867	ug/l	96
83) tert-Butylbenzene	13.07	119	1292525	23.463	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	1184417	23.410	ug/l	97
85) sec-Butylbenzene	13.25	105	1500538	23.037	ug/l	99
86) p-Isopropyltoluene	13.36	119	1256870	23.526	ug/l	99
87) 1,3-Dichlorobenzene	13.34	146	716217	22.807	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	710666	22.530	ug/l	98
89) n-Butylbenzene	13.67	91	1300853	24.955	ug/l	99
90) Hexachloroethane	13.89	117	290056	23.459	ug/l	69
91) 1,2-Dichlorobenzene	13.69	146	617339	23.380	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	40250	22.262	ug/l	84

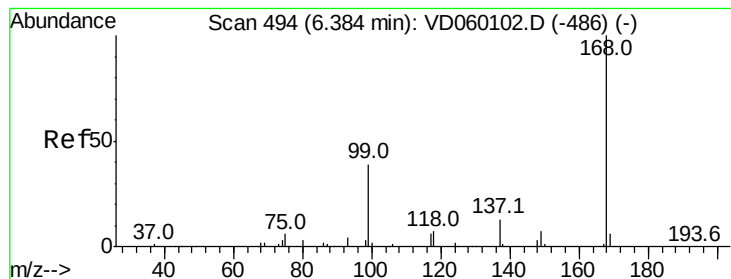
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	474578	21.175	ug/l	98
94) Hexachlorobutadiene	14.90	225	314268	21.095	ug/l	100
95) Naphthalene	14.99	128	686217	20.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.14	180	395633	20.293	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

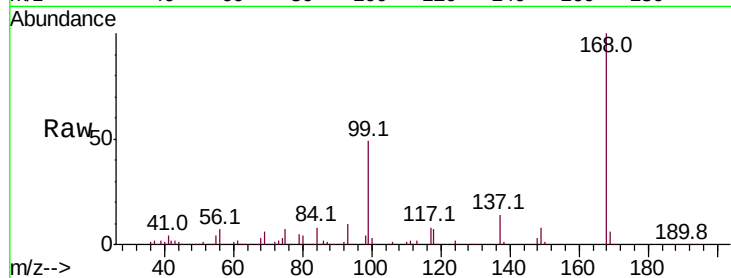
ClientSampleId :

Tot Ion:168 Resp: 1547584

Ion Ratio Lower Upper

168 100

99 49.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

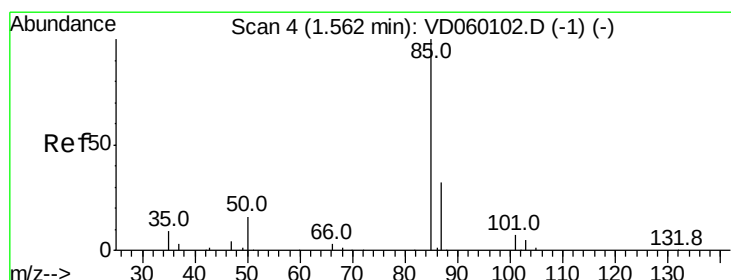
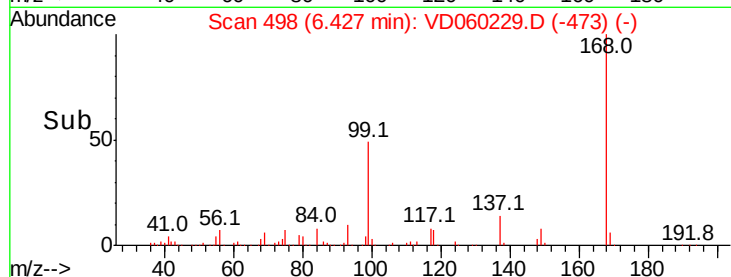
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.529 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060229.D

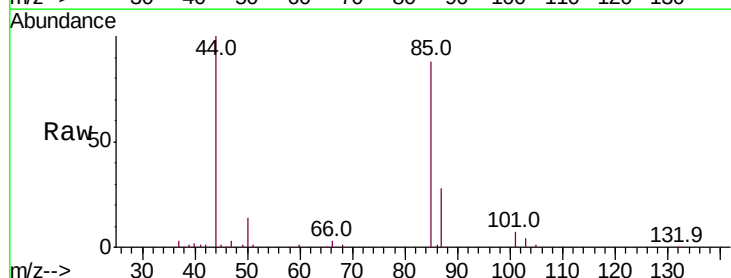
Acq: 29 Oct 2018 15:17

Tgt Ion: 85 Resp: 298853

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

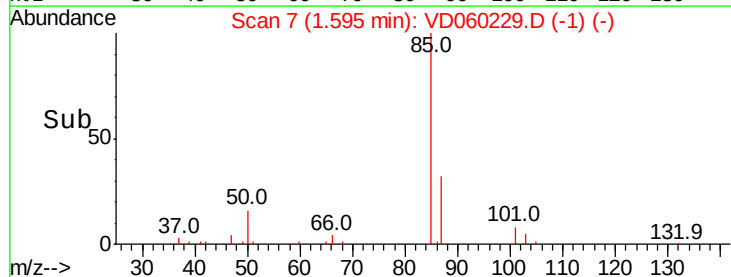
1.60

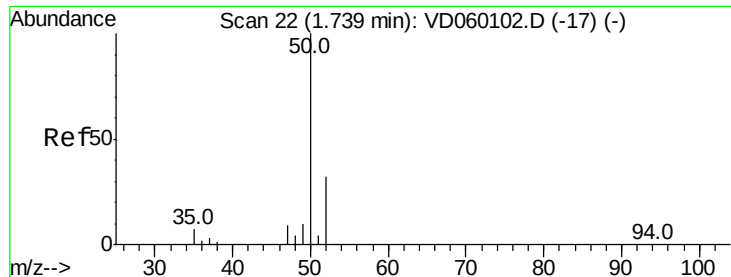
100000

50000

0

Time-->





#3

Chloromethane

Concen: 24.629 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

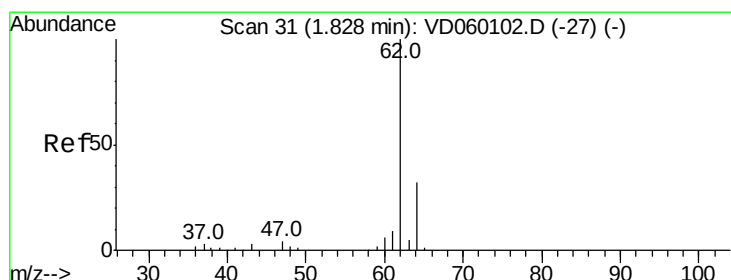
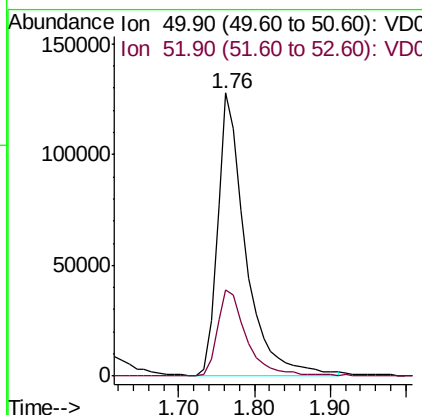
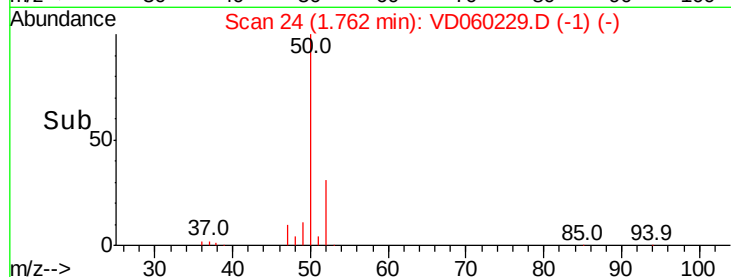
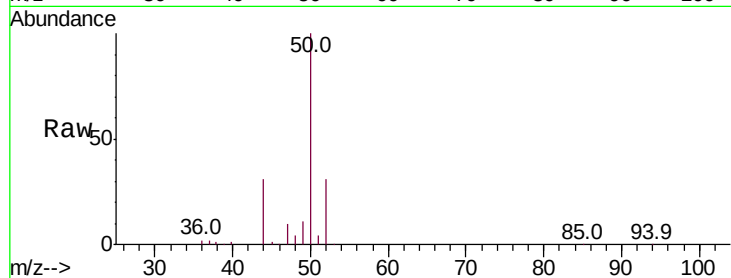
ClientSampled :

Tot Ion: 50 Resp: 323302

Ion Ratio Lower Upper

50 100

52 30.7 25.3 37.9



#4

Vinyl Chloride

Concen: 24.048 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060229.D

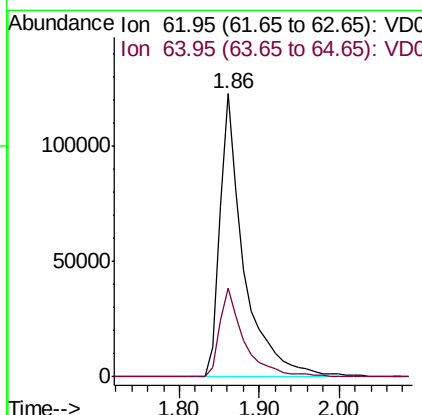
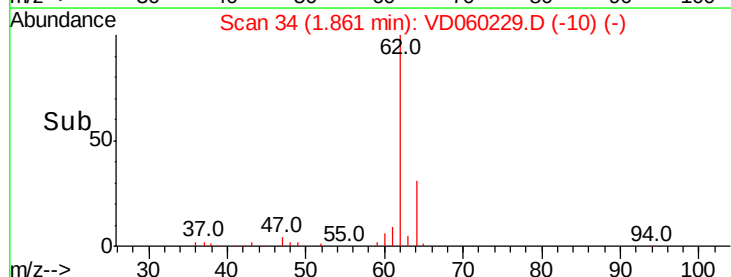
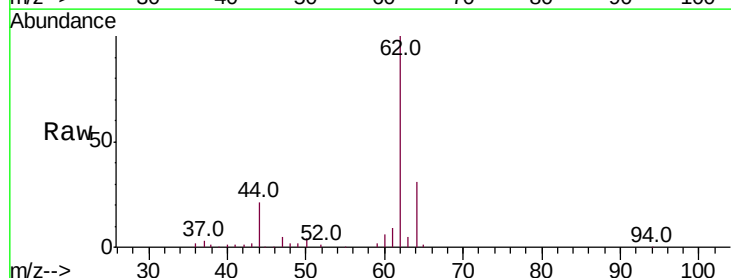
Acq: 29 Oct 2018 15:17

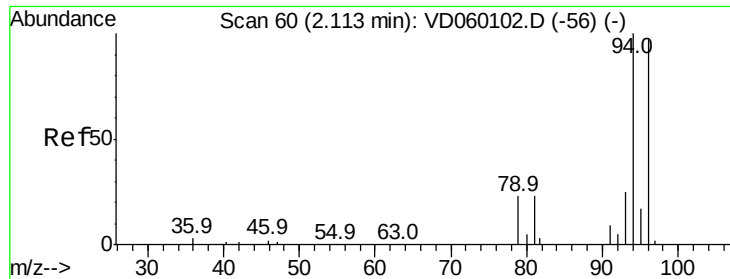
Tgt Ion: 62 Resp: 258339

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 16.281 ug/l

RT: 2.15 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

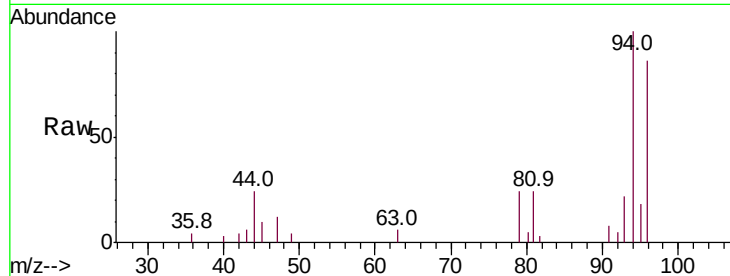
ClientSampleId :

Tot Ion: 94 Resp: 21961

Ion Ratio Lower Upper

94 100

96 86.1 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.15

15000

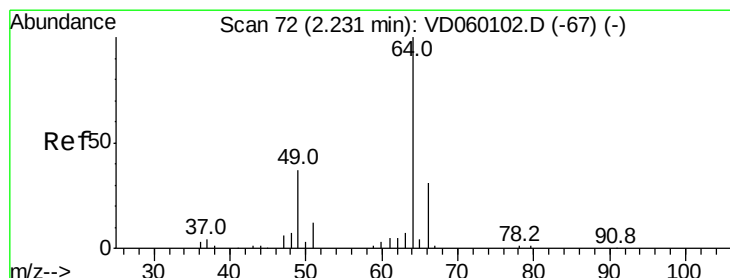
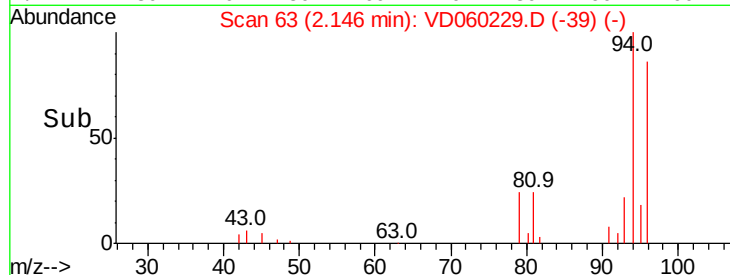
10000

5000

0

Time-->

2.10 2.15 2.20



#6

Chloroethane

Concen: 20.613 ug/l

RT: 2.25 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060229.D

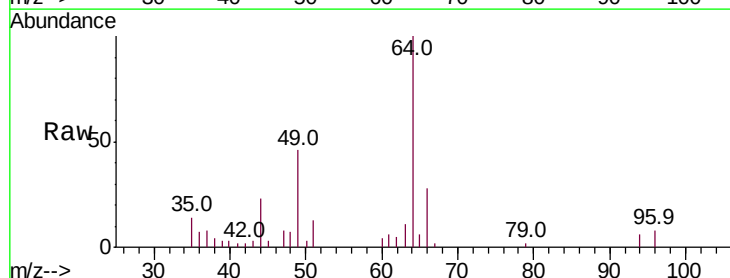
Acq: 29 Oct 2018 15:17

Tgt Ion: 64 Resp: 60429

Ion Ratio Lower Upper

64 100

66 27.9 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.25

20000

15000

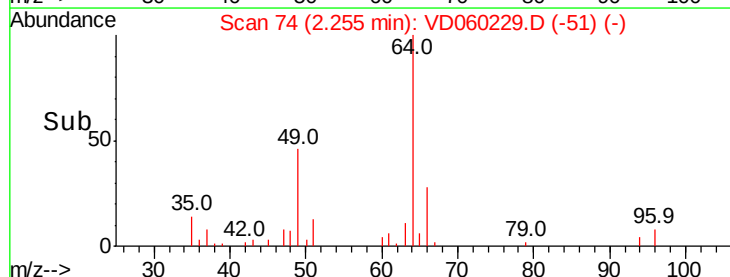
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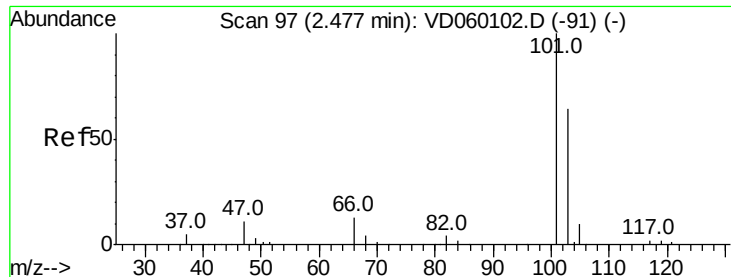
5000

0

Time-->

2.20 2.30 2.40



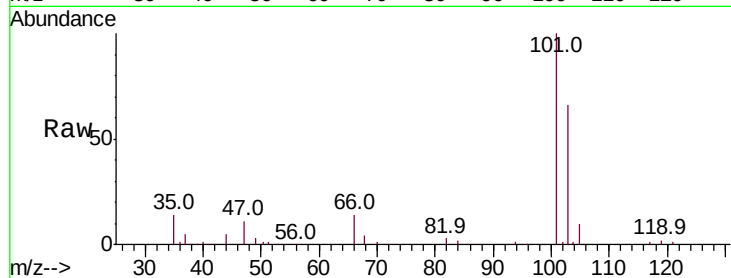


#7

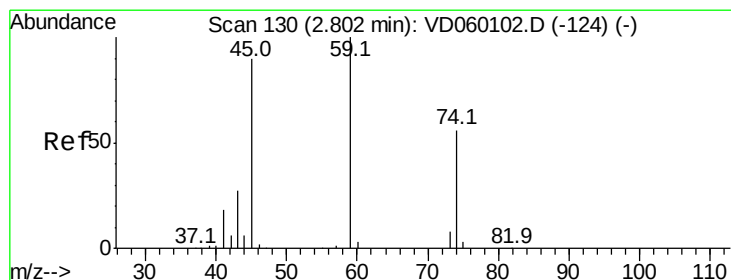
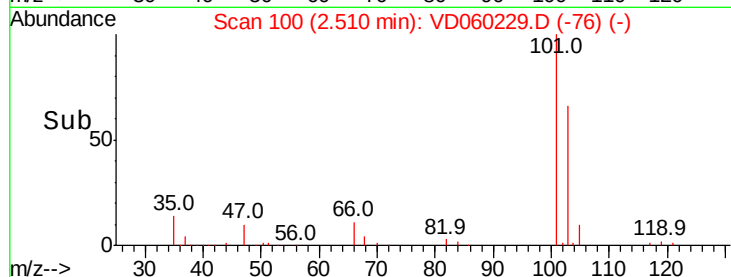
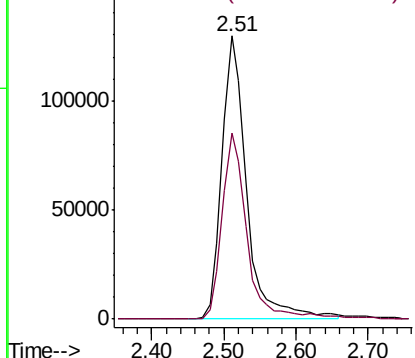
Trichlorofluoromethane
 Concen: 24.026 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:101 Resp: 309052
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.5 77.3



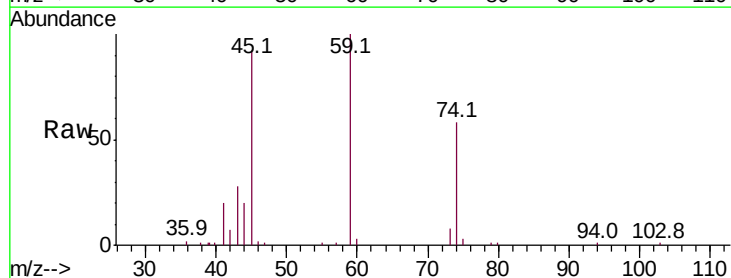
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



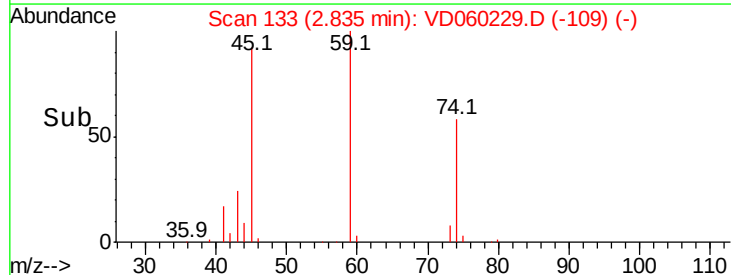
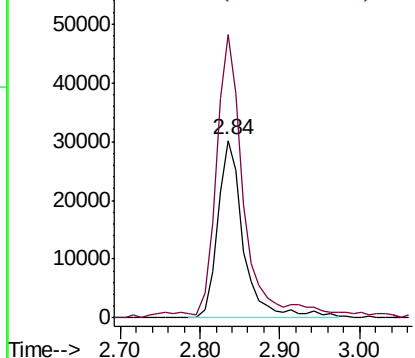
#8

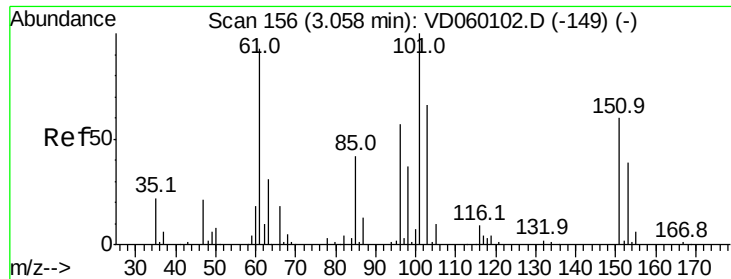
Diethyl Ether
 Concen: 25.990 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion: 74 Resp: 68744
 Ion Ratio Lower Upper
 74 100
 45 159.5 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: 27.521 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampled :

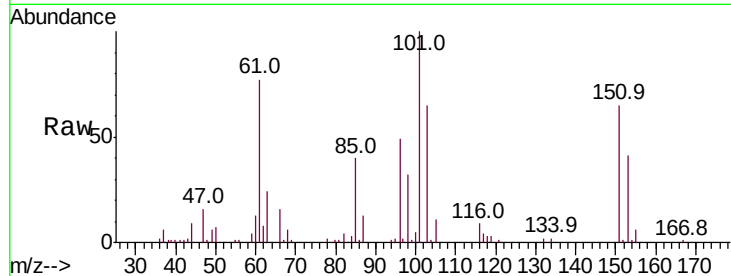
Tot Ion:101 Resp: 220535

Ion Ratio Lower Upper

101 100

85 40.5 33.4 50.0

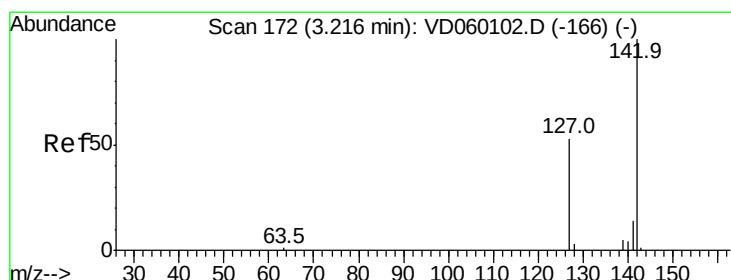
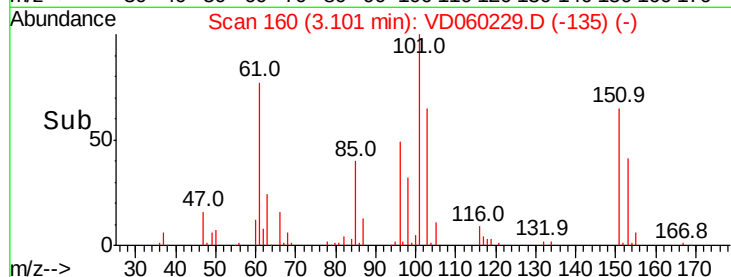
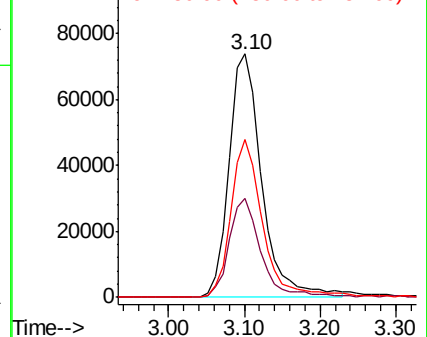
151 64.9 48.0 72.0



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: 22.371 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

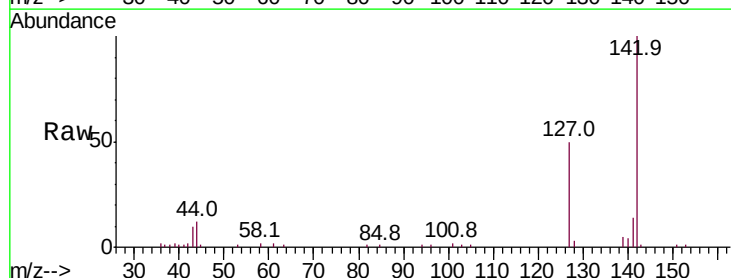
Tgt Ion:142 Resp: 190110

Ion Ratio Lower Upper

142 100

127 49.6 42.0 63.0

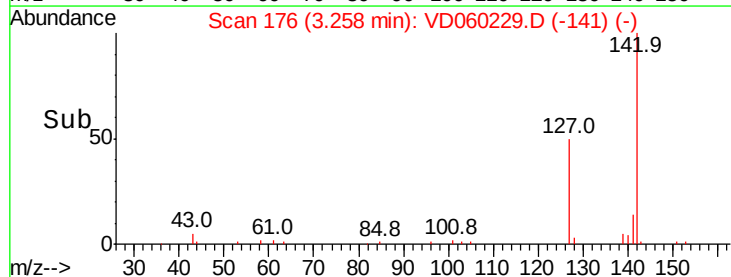
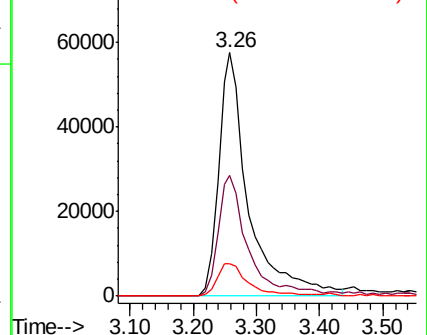
141 13.5 11.4 17.0

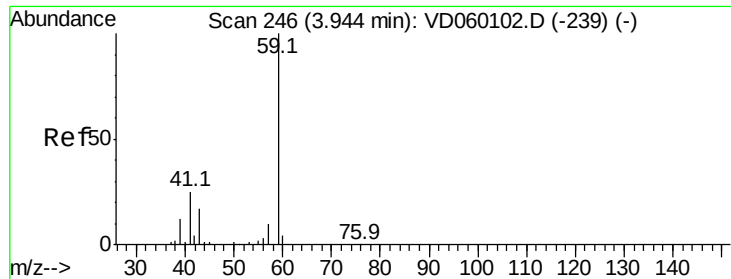


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

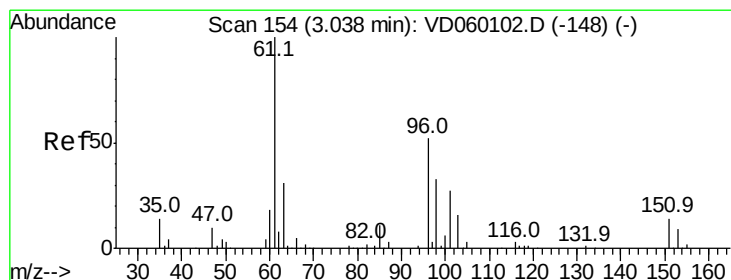
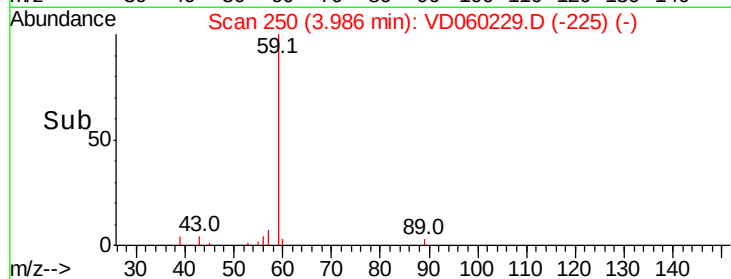
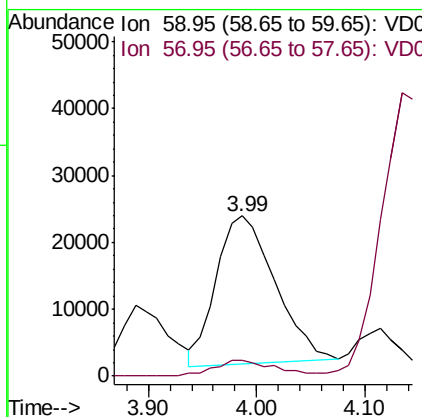
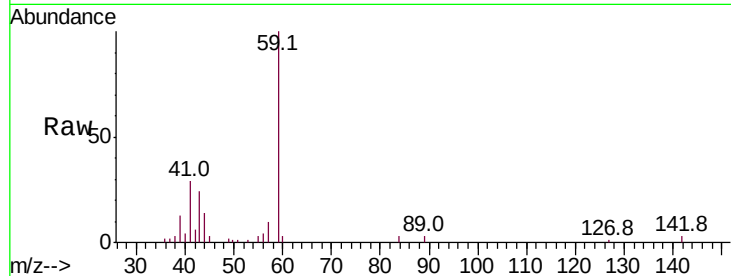




#11
Tert butyl alcohol
Concen: 99.005 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

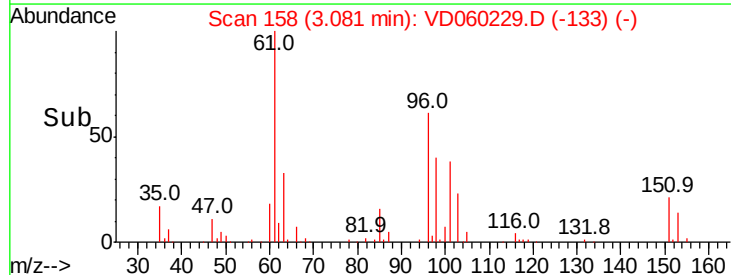
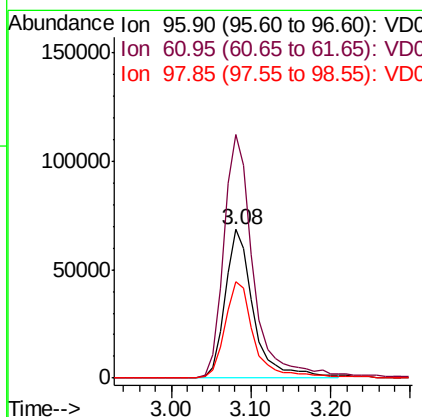
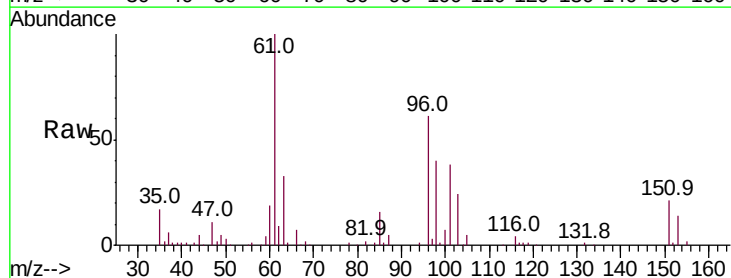
Instrument :
BNA_F
ClientSampleId :

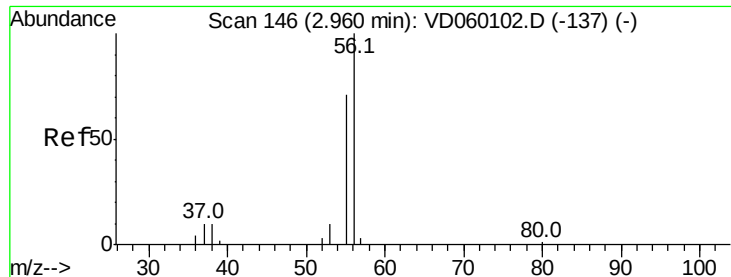
Tot Ion: 59 Resp: 83295
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6



#12
1,1-Dichloroethene
Concen: 27.271 ug/l
RT: 3.08 min Scan# 158
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 96 Resp: 172164
Ion Ratio Lower Upper
96 100
61 163.6 153.0 229.4
98 65.2 51.1 76.7





#13

Acrolein

Concen: 79.993 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

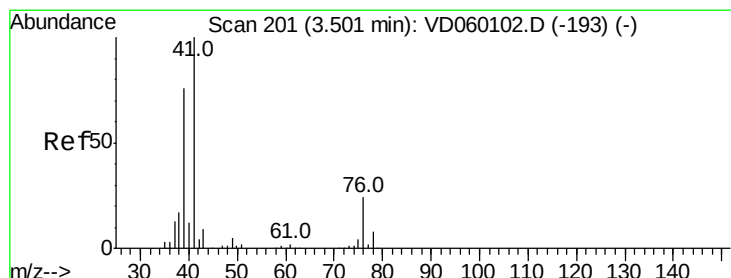
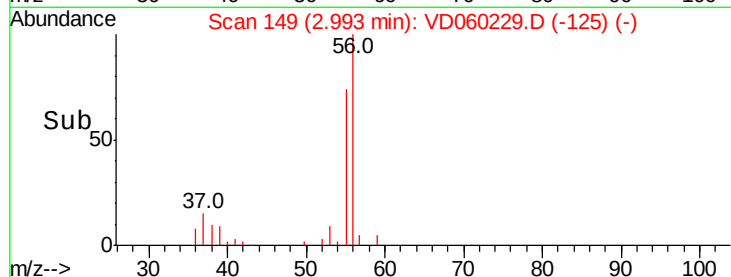
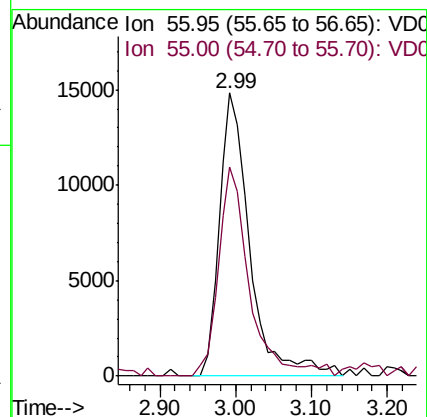
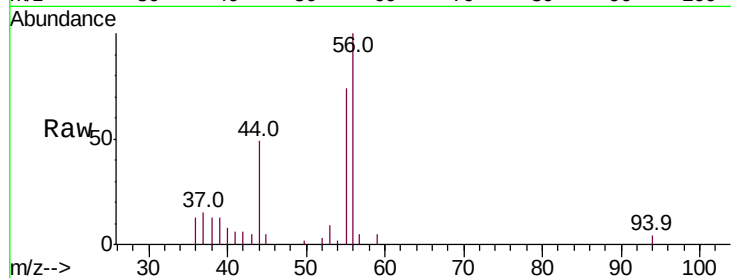
ClientSampleId :

Tot Ion: 56 Resp: 41487

Ion Ratio Lower Upper

56 100

55 73.7 57.4 86.2



#14

Allyl chloride

Concen: 25.258 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

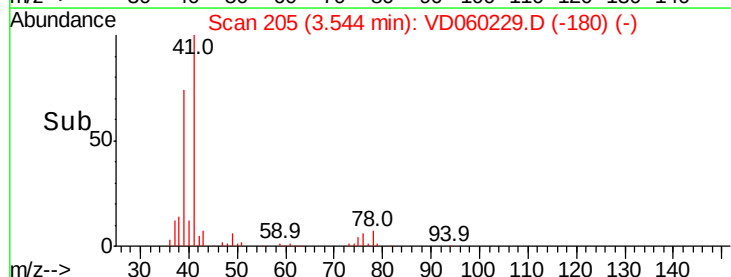
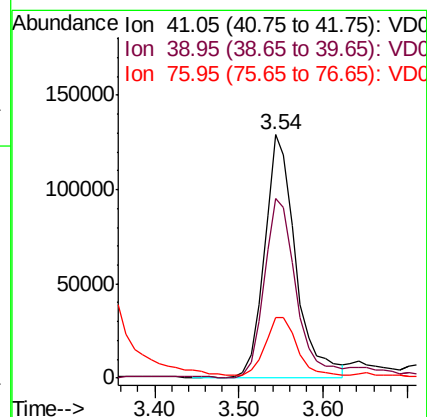
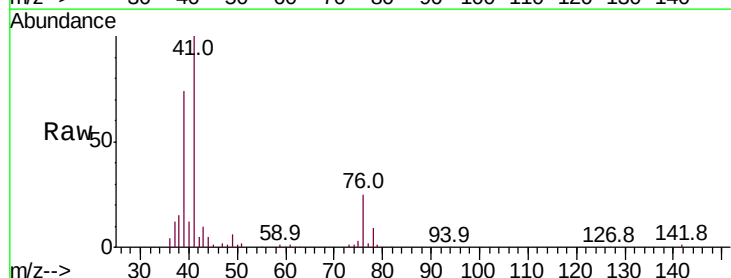
Tgt Ion: 41 Resp: 331174

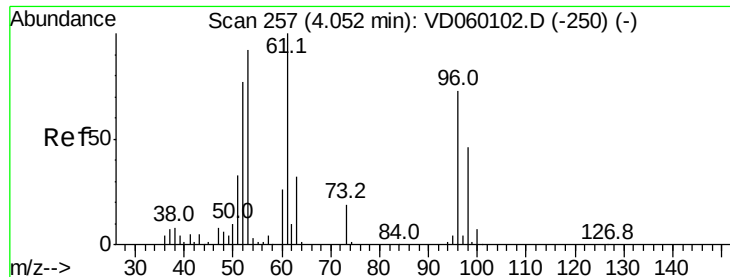
Ion Ratio Lower Upper

41 100

39 73.9 60.6 90.8

76 24.8 21.3 31.9





#15

Acrylonitrile

Concen: 117.472 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

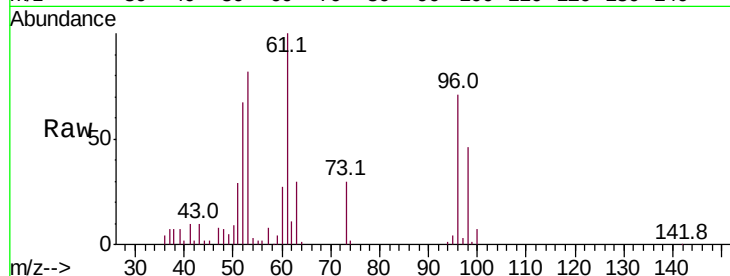
Tot Ion: 53 Resp: 409079

Ion Ratio Lower Upper

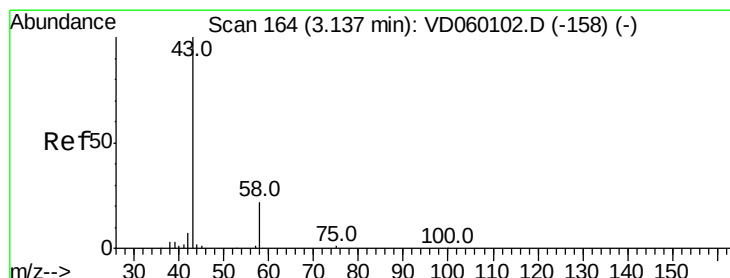
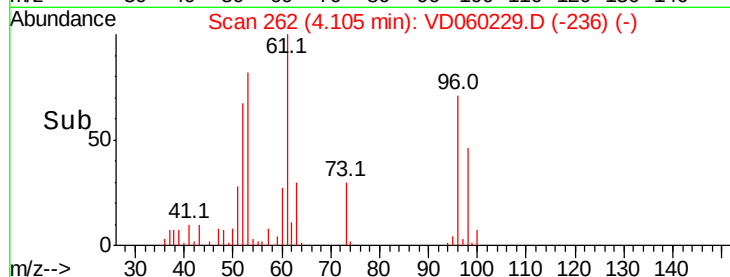
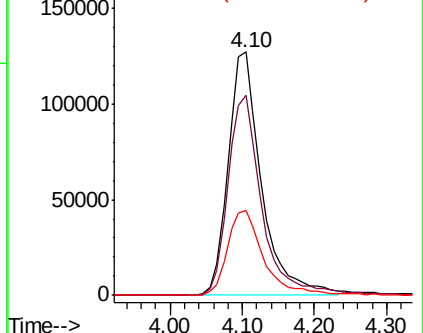
53 100

52 82.3 67.5 101.3

51 35.0 29.3 43.9



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



#16

Acetone

Concen: 161.781 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060229.D

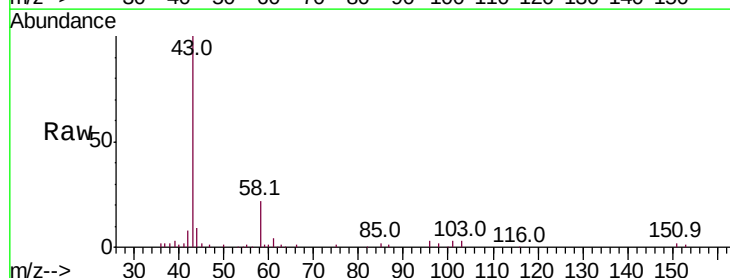
Acq: 29 Oct 2018 15:17

Tgt Ion: 43 Resp: 344370

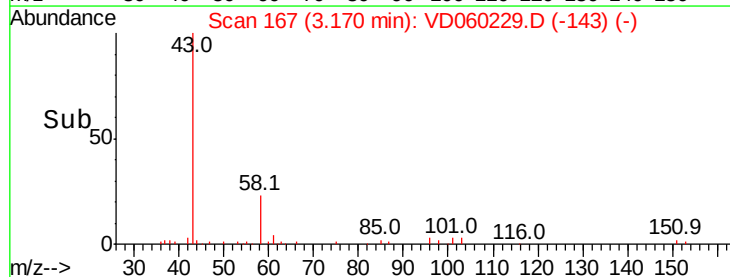
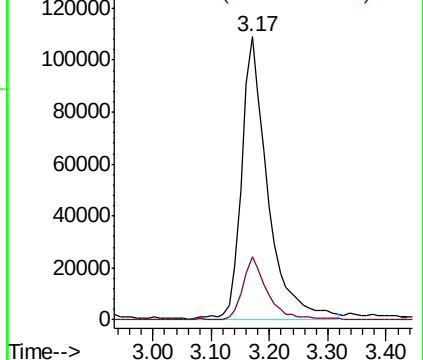
Ion Ratio Lower Upper

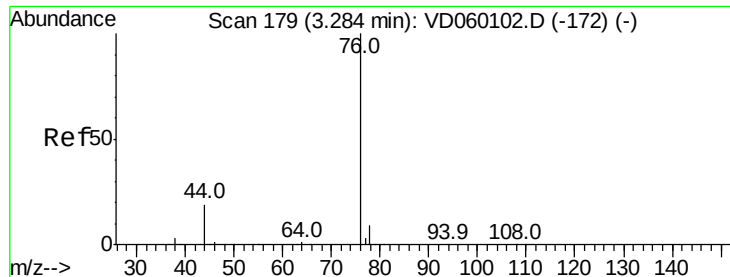
43 100

58 22.4 17.7 26.5



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





#17

Carbon Disulfide

Concen: 23.998 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

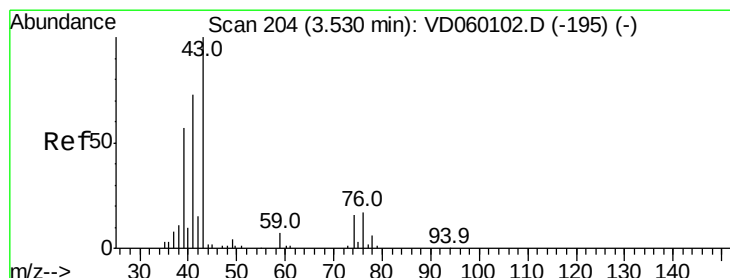
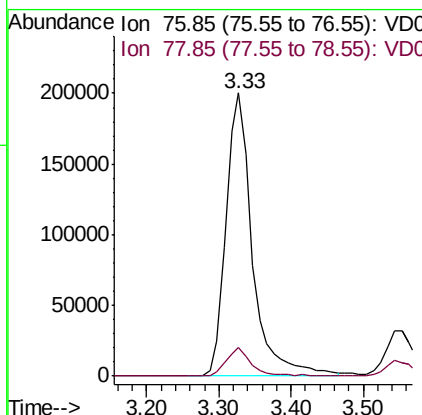
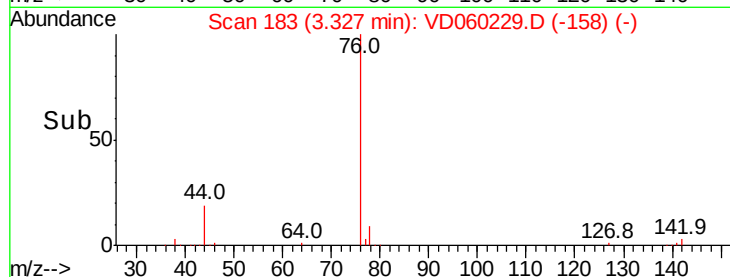
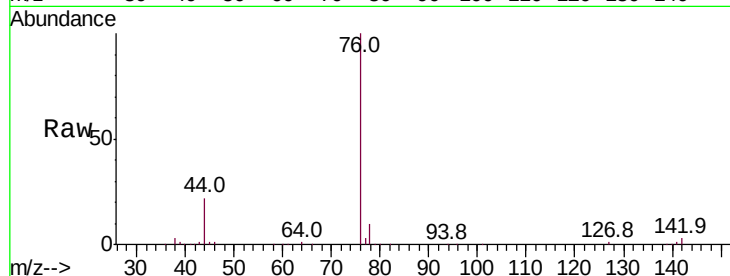
ClientSampleId :

Tot Ion: 76 Resp: 509461

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



#18

Methyl Acetate

Concen: 25.657 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.04 min

Lab File: VD060229.D

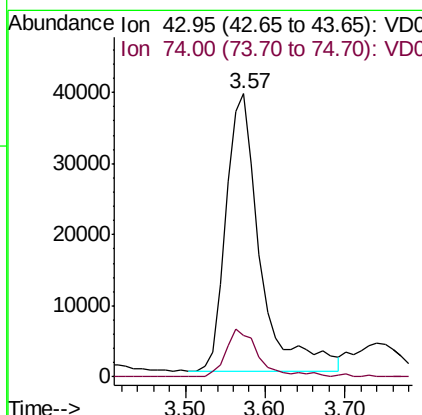
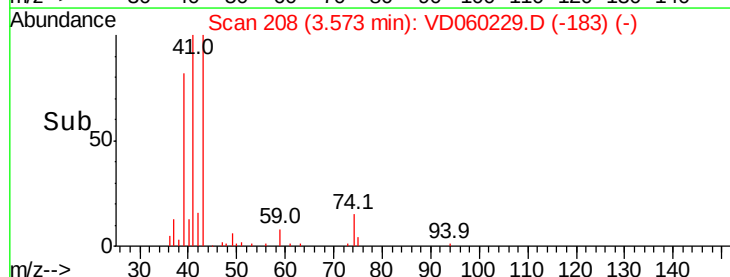
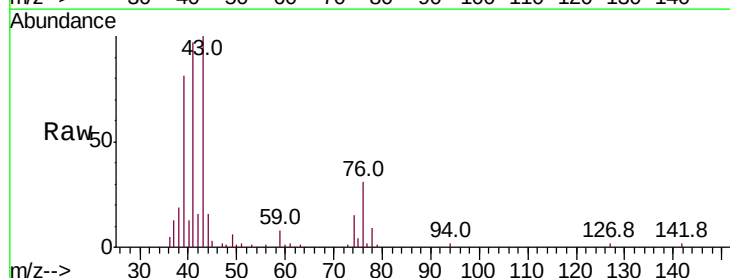
Acq: 29 Oct 2018 15:17

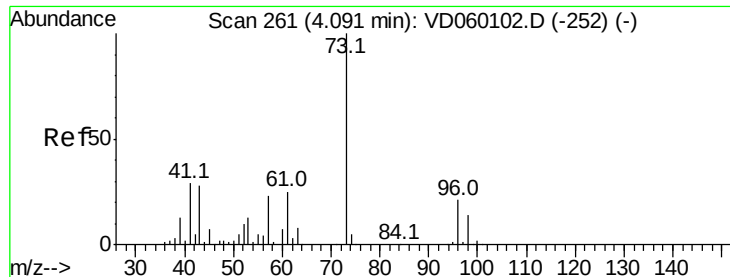
Tgt Ion: 43 Resp: 117384

Ion Ratio Lower Upper

43 100

74 14.5 12.6 19.0



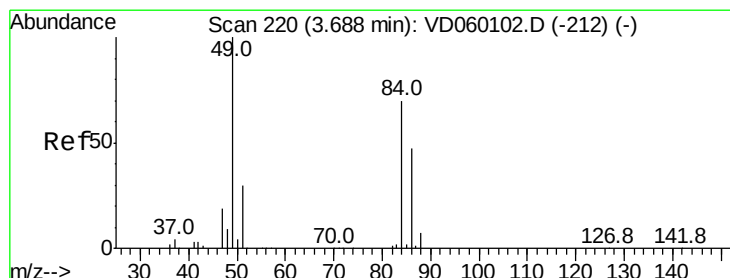
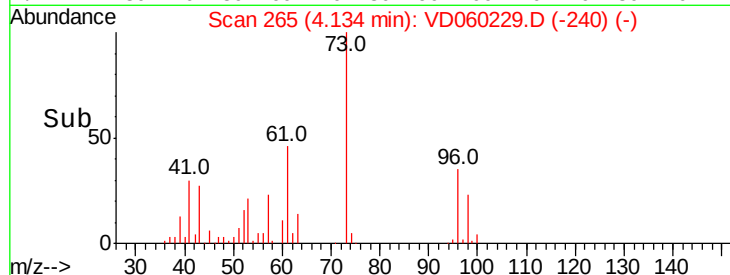
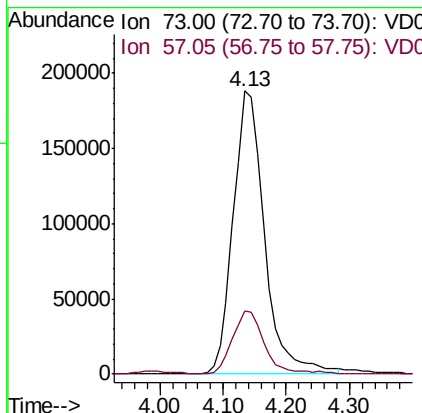
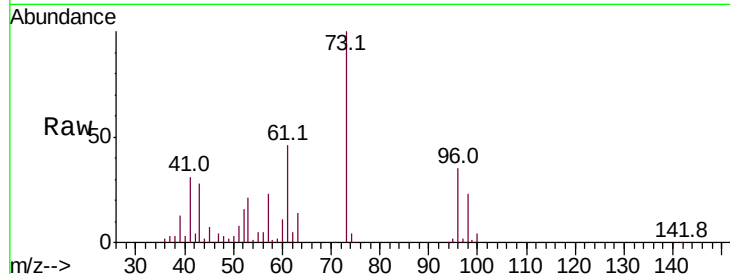


#19

Methyl tert-butyl Ether
 Concen: 23.320 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :

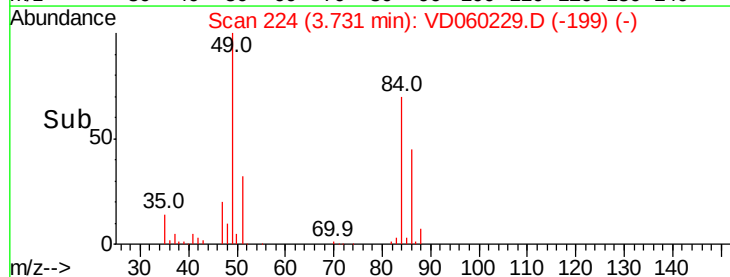
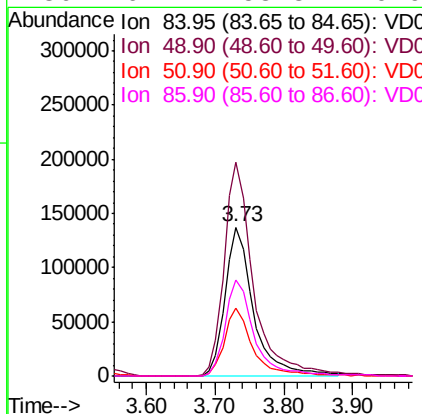
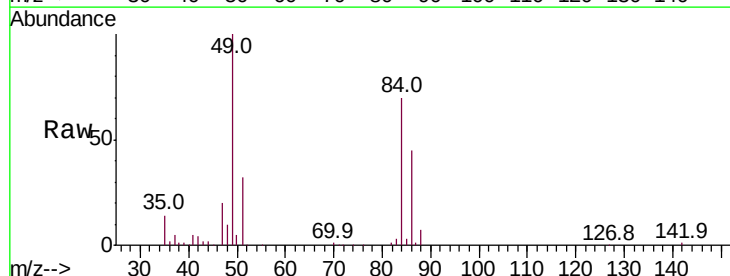
Tot Ion: 73 Resp: 647285
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.7 28.1

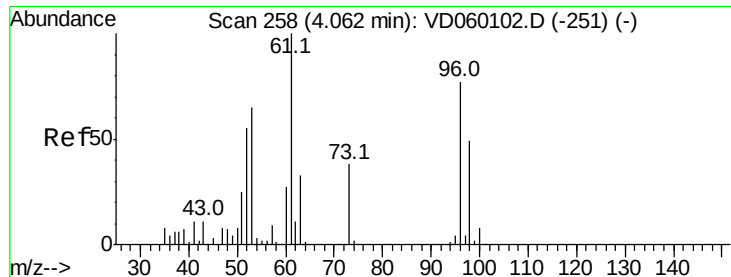


#20

Methylene Chloride
 Concen: 21.045 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion: 84 Resp: 394334
 Ion Ratio Lower Upper
 84 100
 49 143.8 114.6 172.0
 51 45.4 33.8 50.8
 86 64.2 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 22.285 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampled :

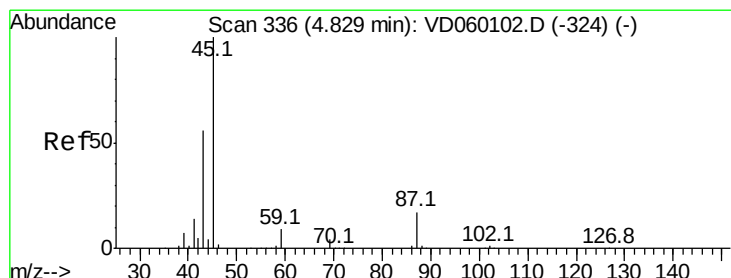
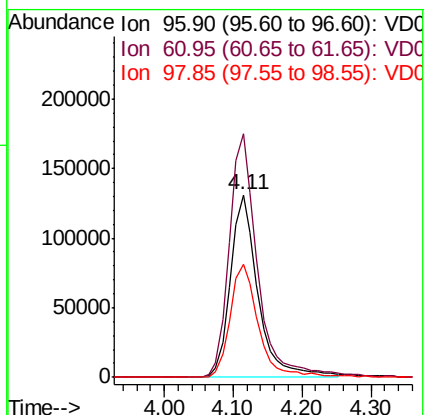
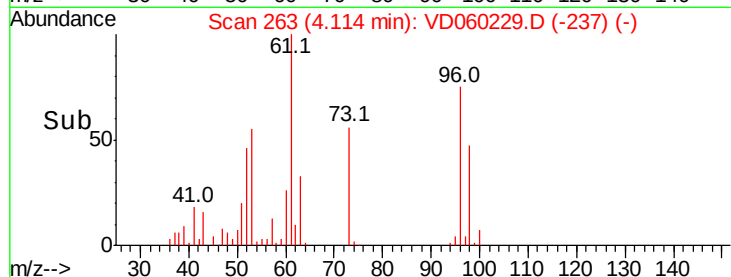
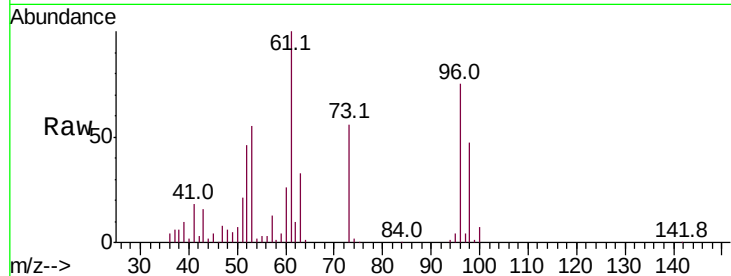
Tot Ion: 96 Resp: 363342

Ion Ratio Lower Upper

96 100

61 133.4 103.3 154.9

98 62.1 50.4 75.6



#22

Diisopropyl ether

Concen: 22.985 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion: 45 Resp: 1345865

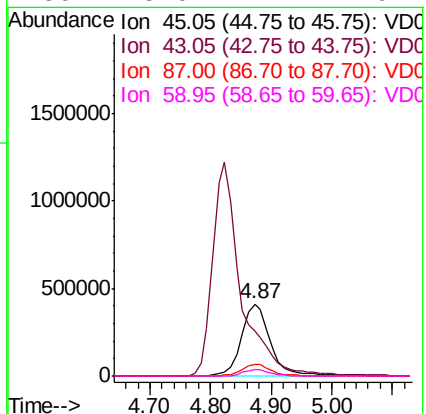
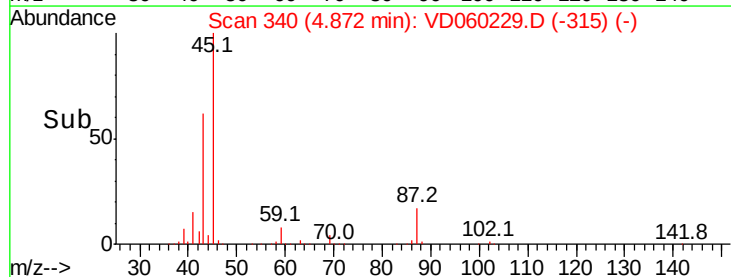
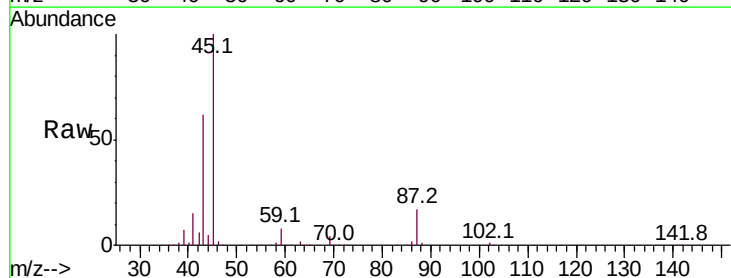
Ion Ratio Lower Upper

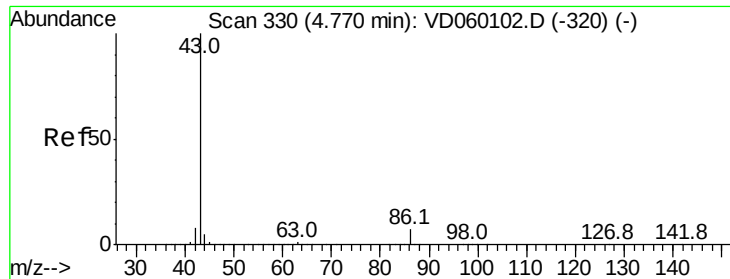
45 100

43 62.3 44.8 67.2

87 16.6 13.9 20.9

59 8.0 7.1 10.7





#23

Vinyl Acetate

Concen: 119.050 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

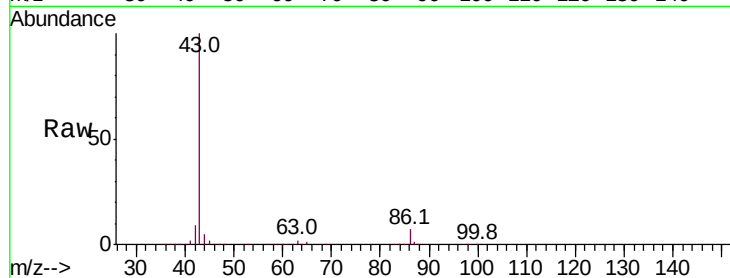
ClientSampled :

Tot Ion: 43 Resp: 3918418

Ion Ratio Lower Upper

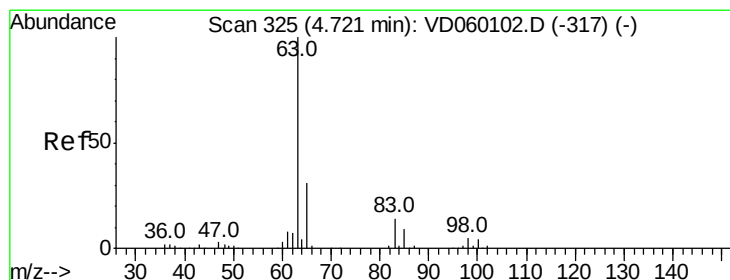
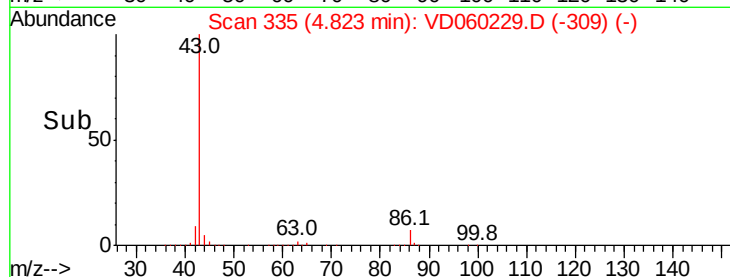
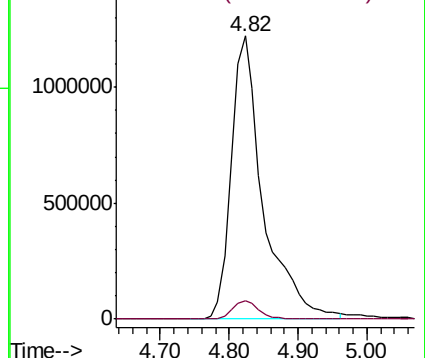
43 100

86 6.6 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.006 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

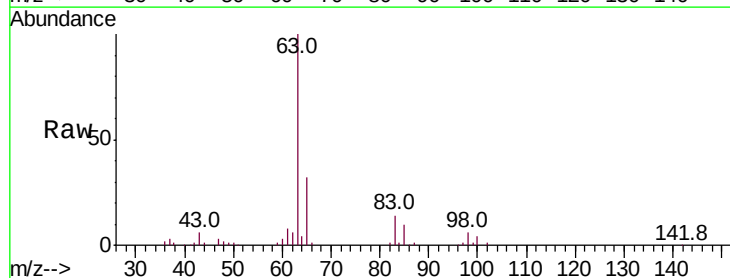
Tgt Ion: 63 Resp: 610793

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.3

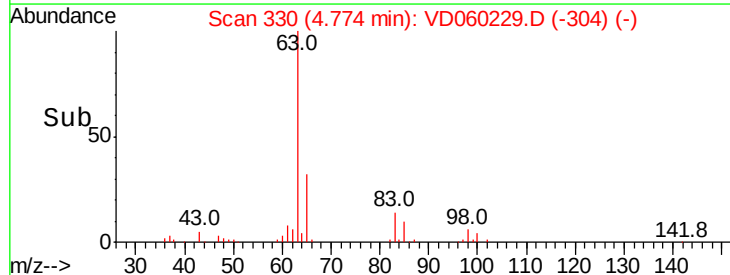
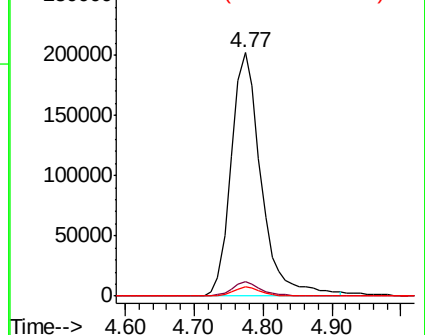
100 3.6 1.8 5.3

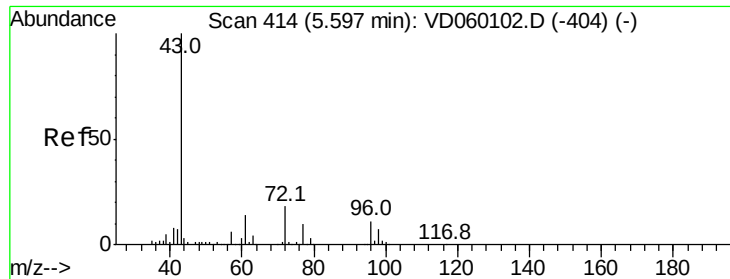


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 129.081 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

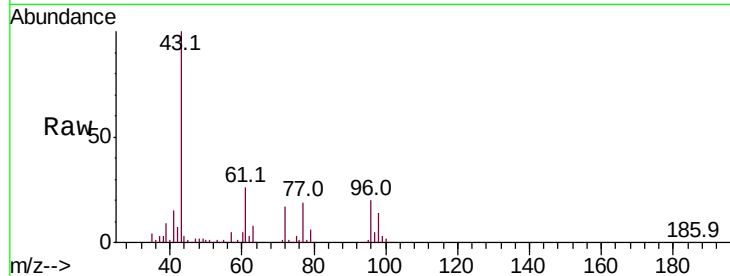
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 43 Resp: 686427

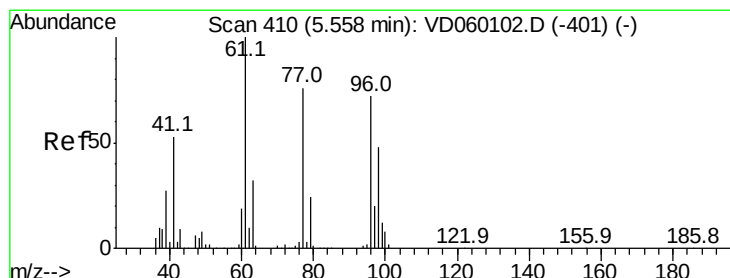
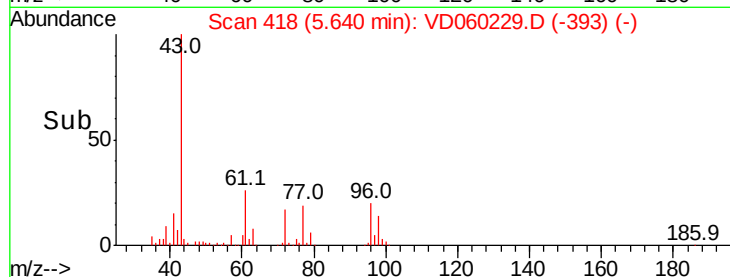
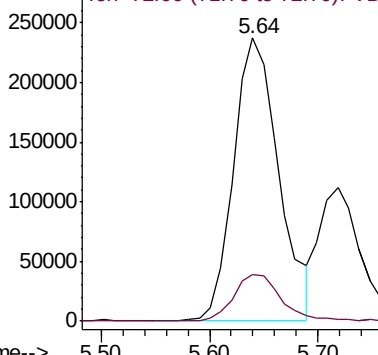
Ion Ratio Lower Upper

43 100

72 16.6 14.5 21.7



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



#26

2,2-Dichloropropane

Concen: 25.156 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.05 min

Lab File: VD060229.D

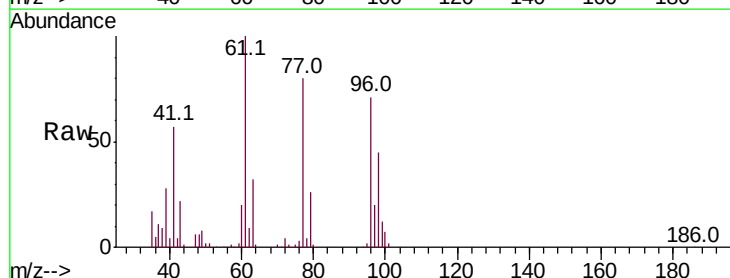
Acq: 29 Oct 2018 15:17

Tgt Ion: 77 Resp: 506306

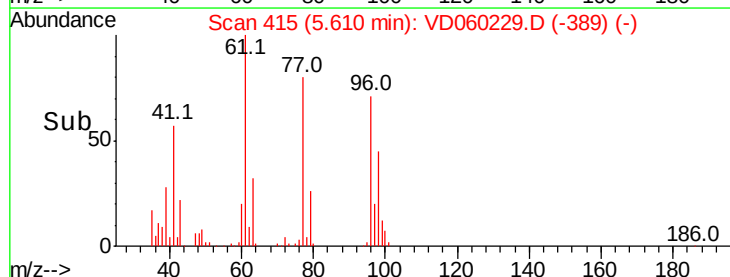
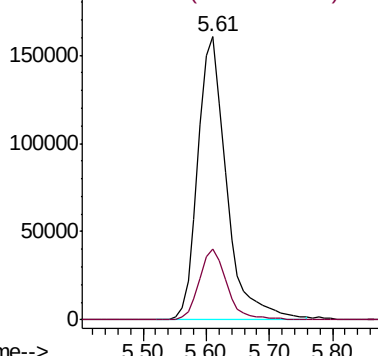
Ion Ratio Lower Upper

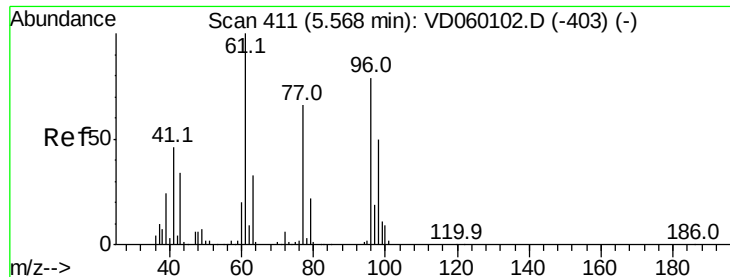
77 100

97 25.1 13.3 39.9



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



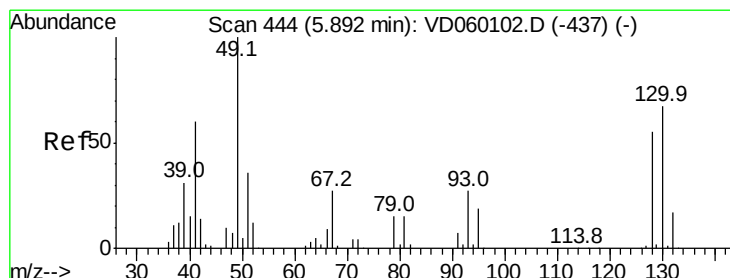
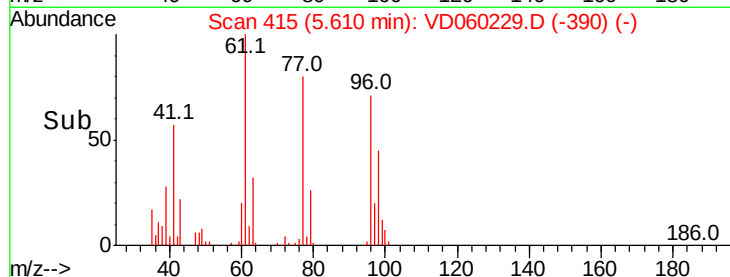
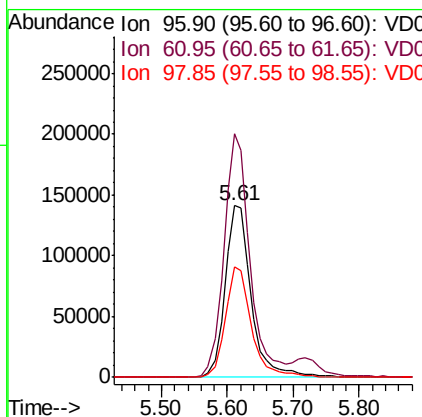
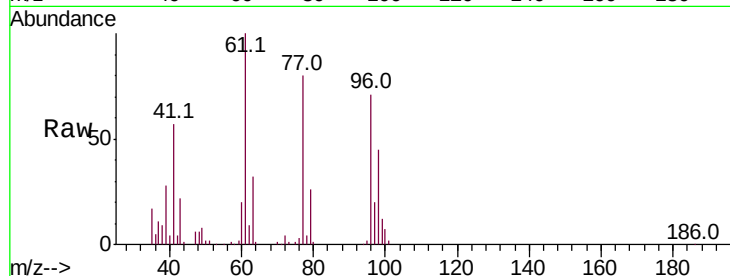


#27

cis-1,2-Dichloroethene
Concen: 22.664 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
BNA_F
ClientSampled :

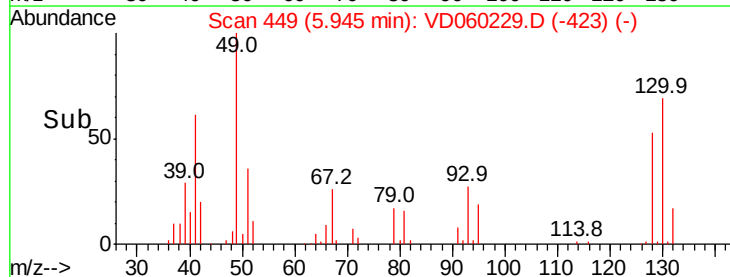
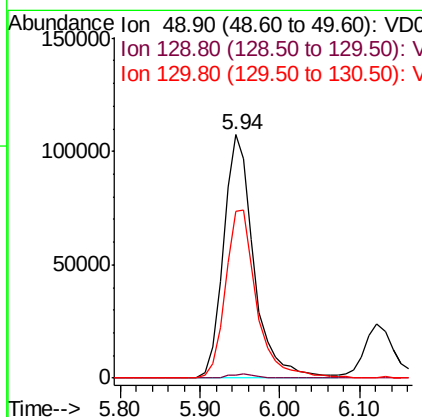
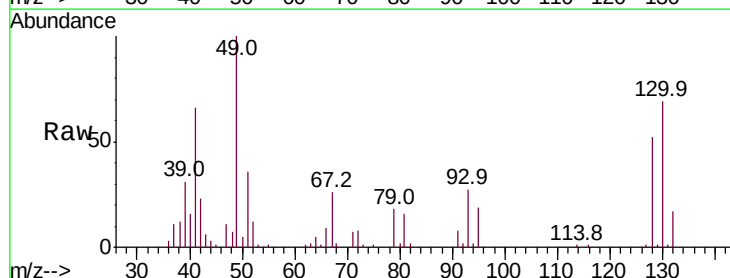
Tot Ion: 96 Resp: 391502
Ion Ratio Lower Upper
96 100
61 141.8 0.0 251.8
98 64.4 0.0 125.2

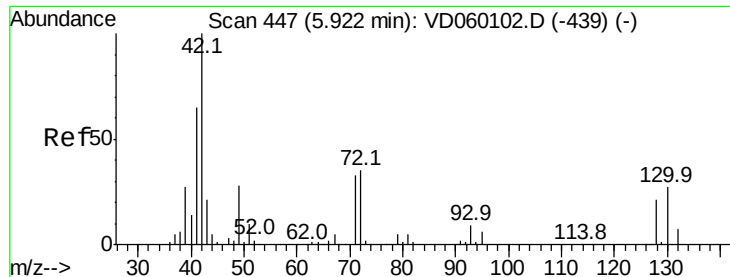


#28

Bromochloromethane
Concen: 22.231 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 49 Resp: 286820
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.6
130 68.7 53.9 80.9

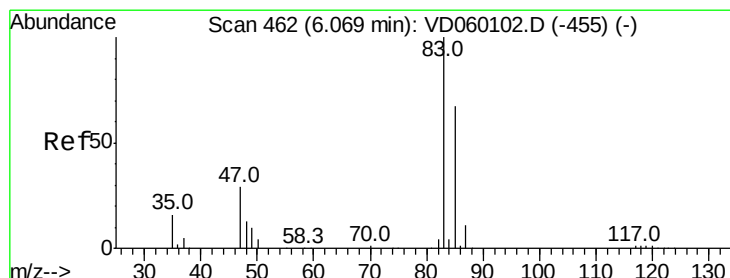
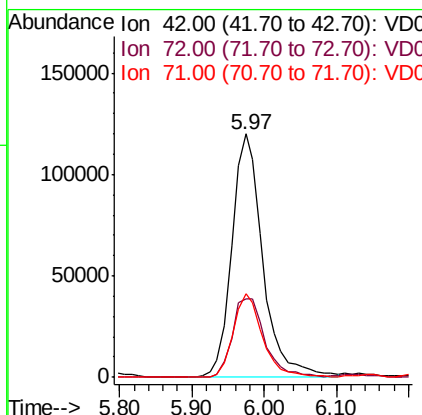
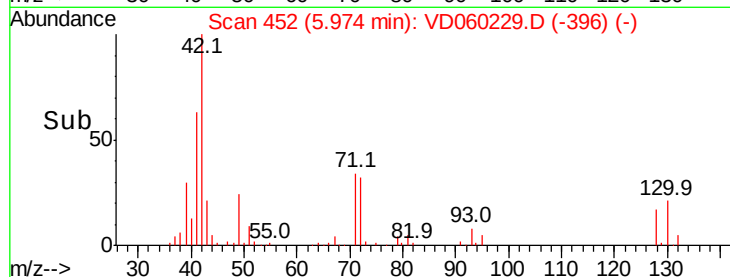
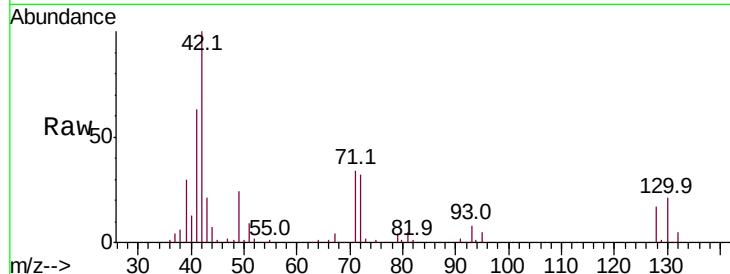




#29
Tetrahydrofuran
Concen: 116.498 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

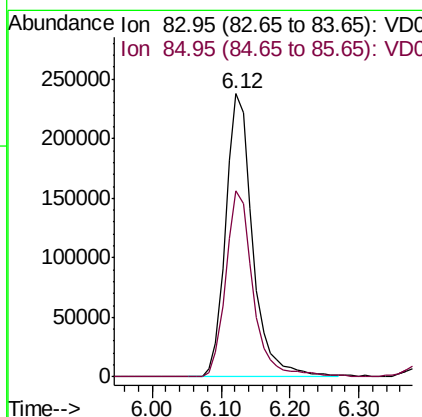
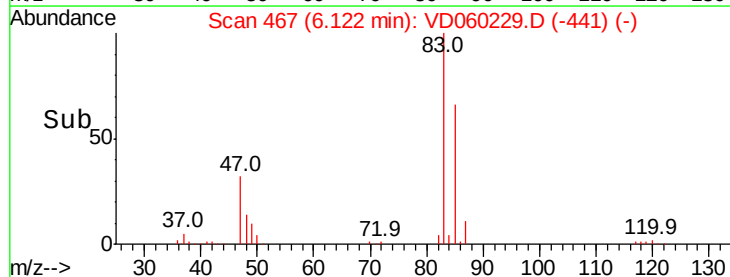
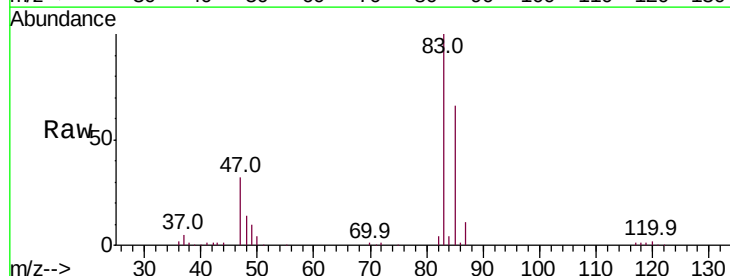
Instrument :
BNA_F
ClientSampleId :

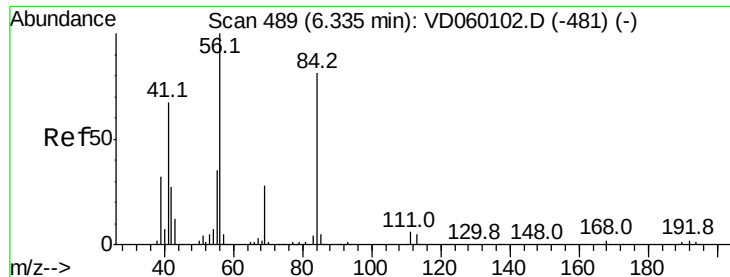
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	26.9	40.3
71	32.7	26.7	40.1



#30
Chloroform
Concen: 23.981 ug/l
RT: 6.12 min Scan# 467
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.8	80.8





#31

Cyclohexane

Concen: 22.060 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

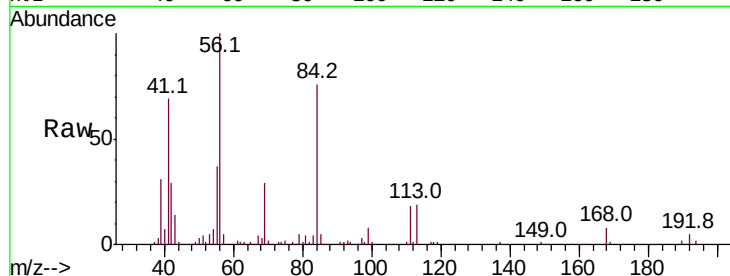
Tot Ion: 56 Resp: 560642

Ion Ratio Lower Upper

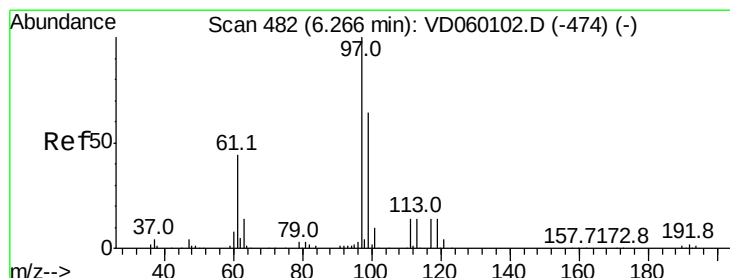
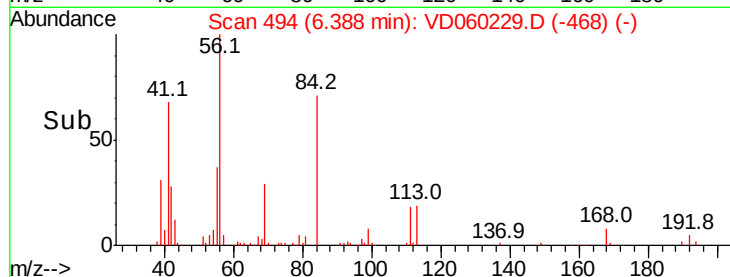
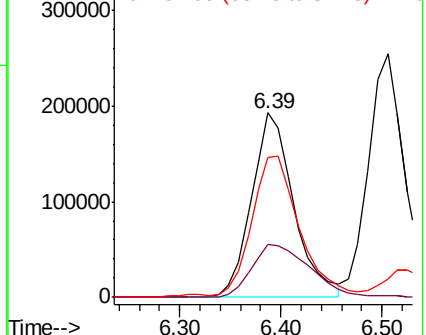
56 100

69 28.6 22.8 34.2

84 75.6 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 23.512 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

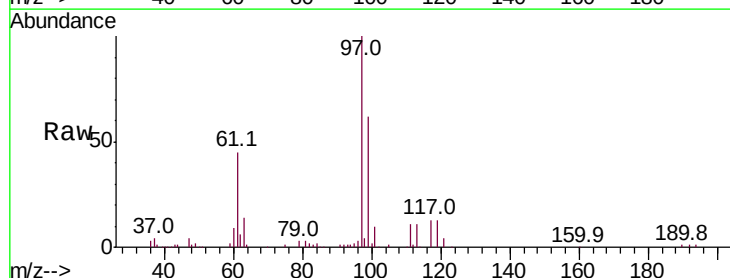
Tgt Ion: 97 Resp: 517312

Ion Ratio Lower Upper

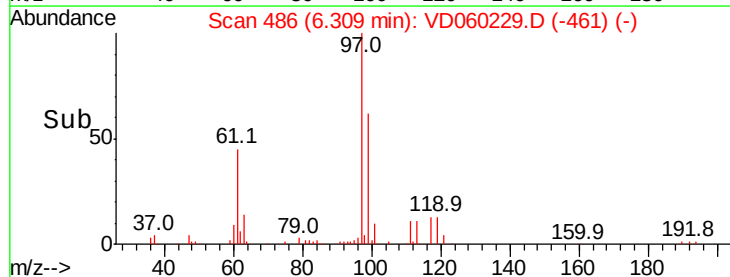
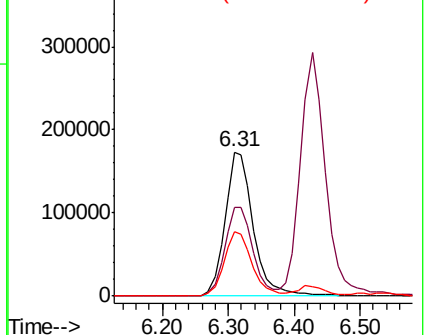
97 100

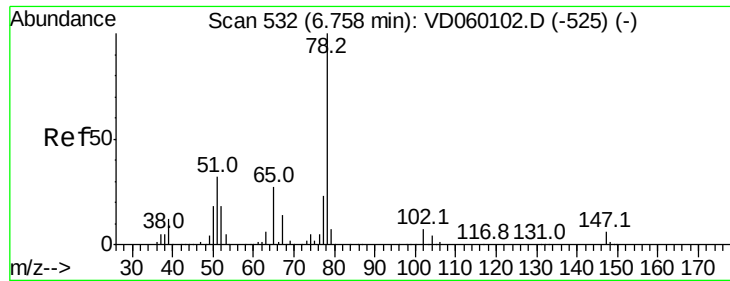
99 61.5 51.4 77.0

61 44.8 35.5 53.3



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

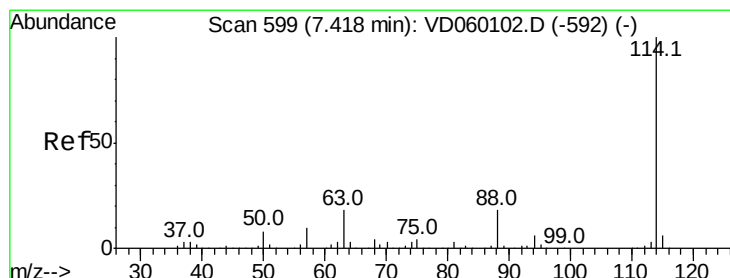
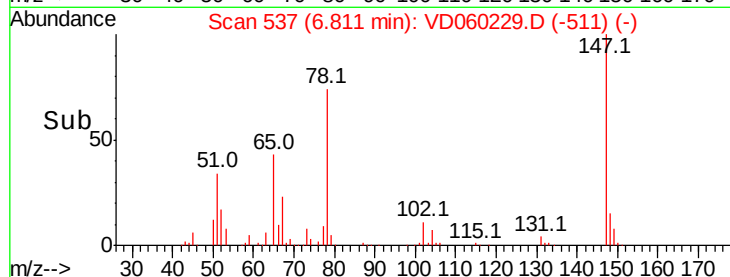
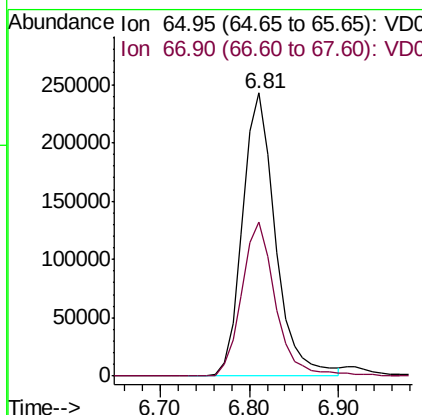
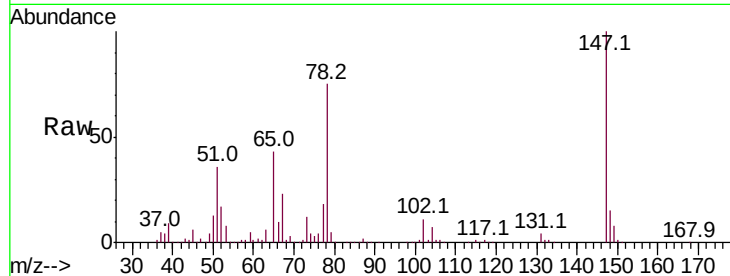




#33
 1,2-Dichloroethane-d4
 Concen: 23.512 ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

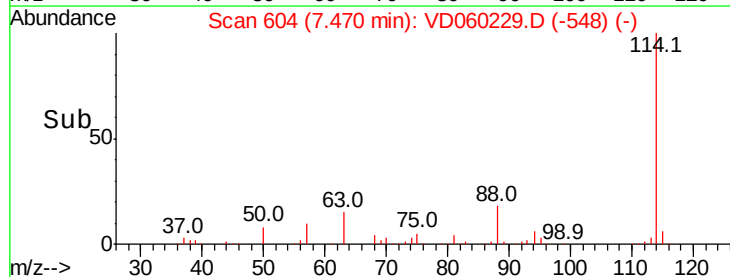
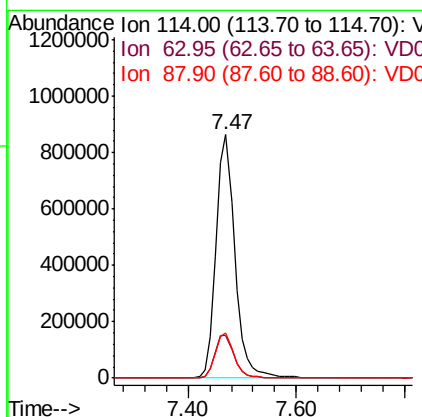
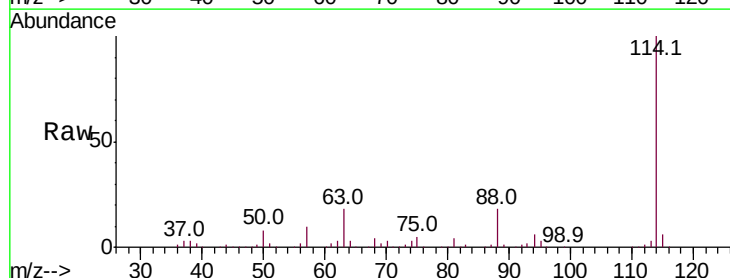
Instrument :
 BNA_F
 ClientSampled :

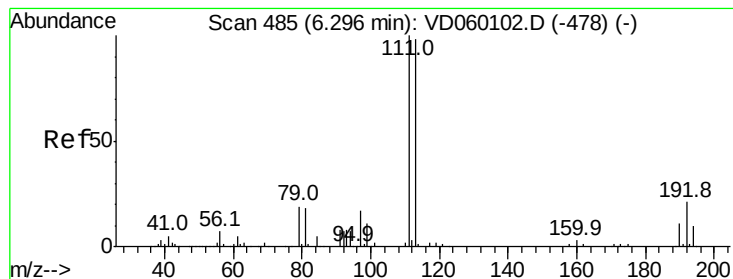
Tot Ion: 65 Resp: 621342
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion:114 Resp: 2088243
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.0
 88 18.5 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampled :

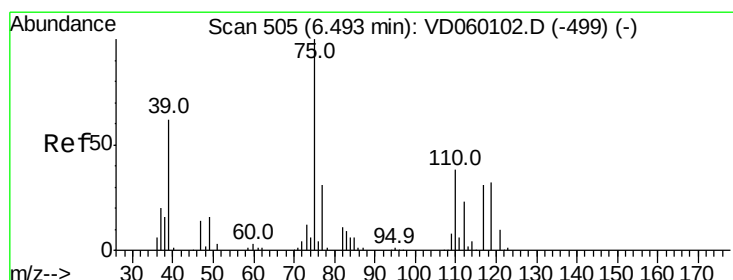
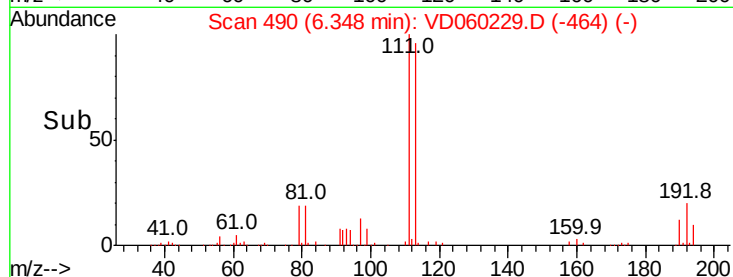
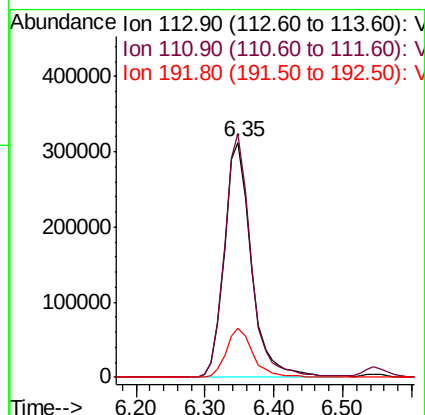
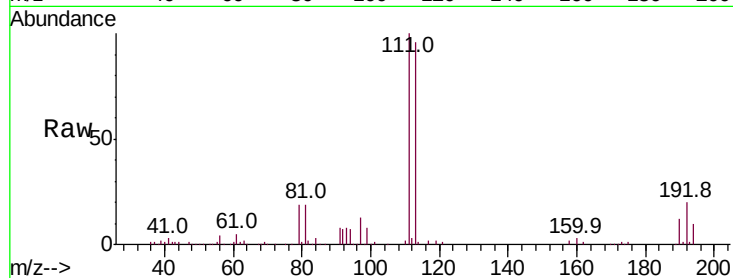
Tot Ion:113 Resp: 847439

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

192 20.8 17.4 26.0



#36

1,1-Dichloropropene

Concen: 24.009 ug/l

RT: 6.55 min Scan# 510

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

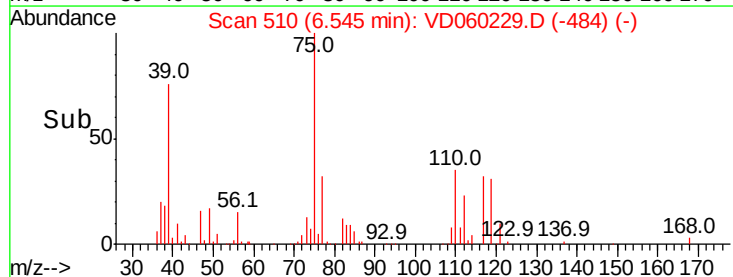
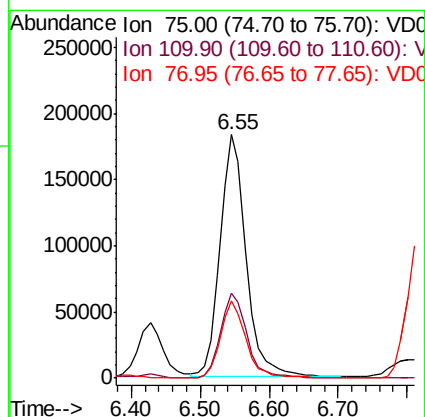
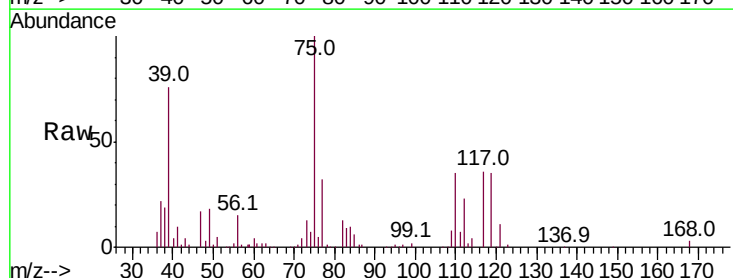
Tgt Ion: 75 Resp: 479106

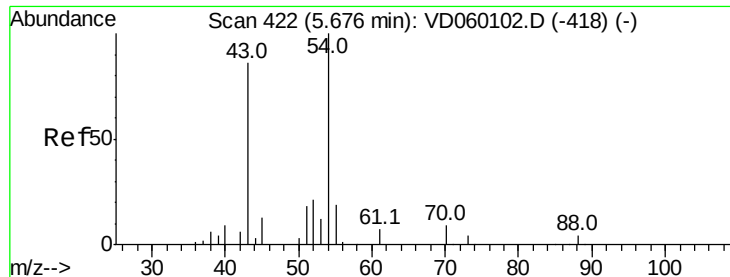
Ion Ratio Lower Upper

75 100

110 34.9 19.0 57.0

77 31.8 24.9 37.3

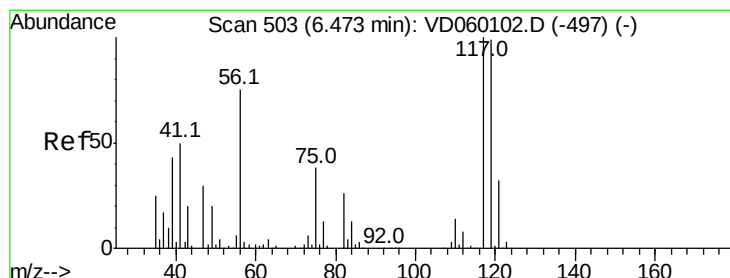
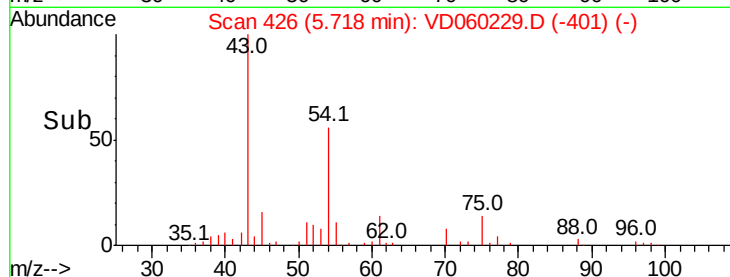
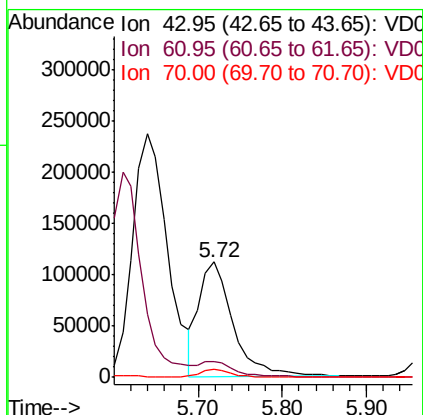
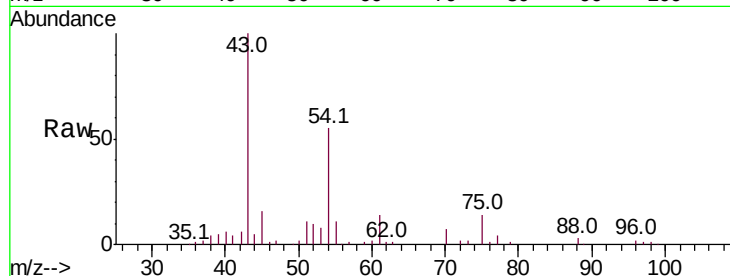




#37
Ethyl Acetate
Concen: 23.312 ug/l
RT: 5.72 min Scan# 426
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

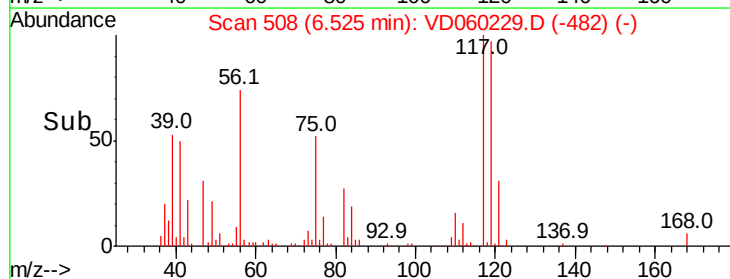
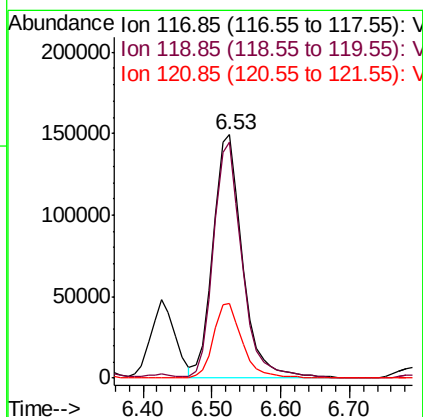
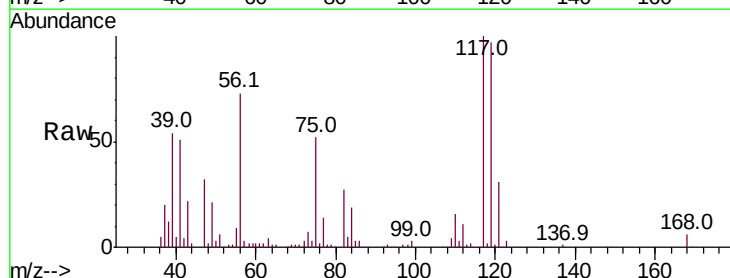
Instrument :
BNA_F
ClientSampled :

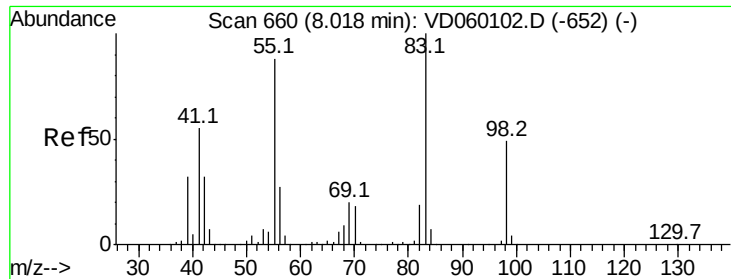
Tot Ion: 43 Resp: 308778
Ion Ratio Lower Upper
43 100
61 14.2 10.5 15.7
70 7.5 6.3 9.5



#38
Carbon Tetrachloride
Concen: 24.102 ug/l
RT: 6.53 min Scan# 508
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 117 Resp: 436528
Ion Ratio Lower Upper
117 100
119 97.0 77.8 116.6
121 30.7 24.8 37.2

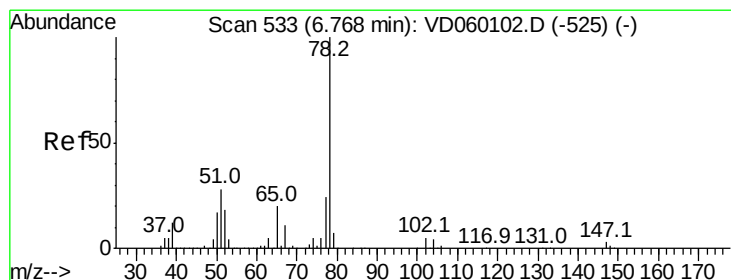
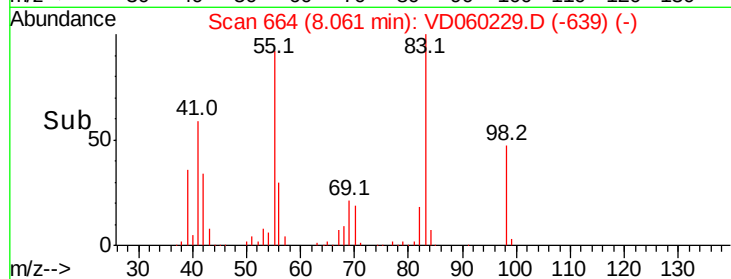
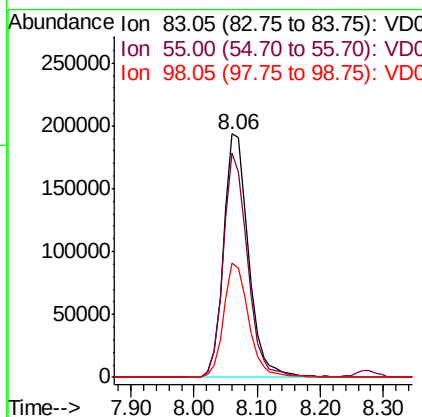
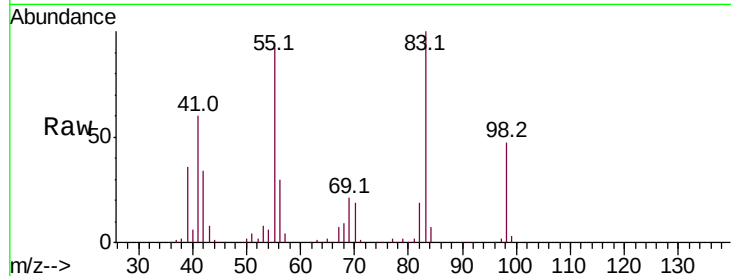




#39
Methylvlcyclohexane
Concen: 23.347 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

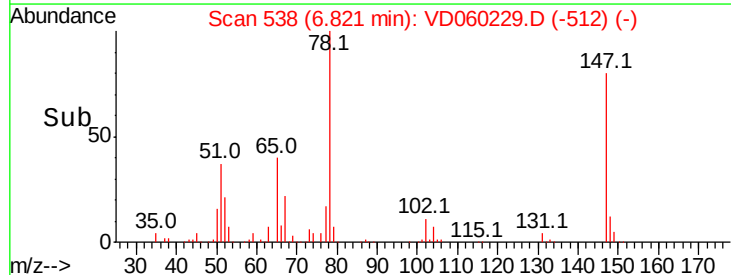
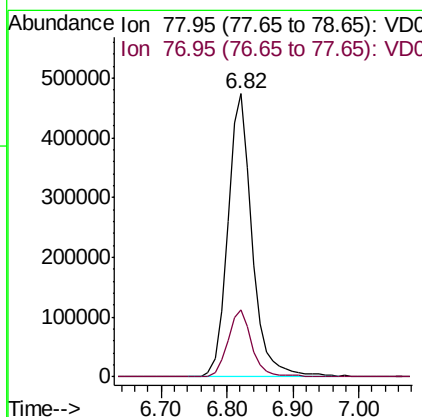
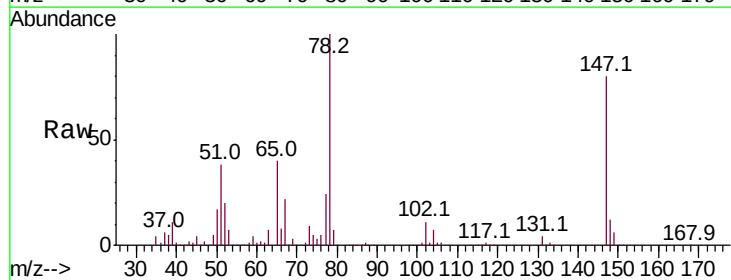
Instrument :
BNA_F
ClientSampleId :

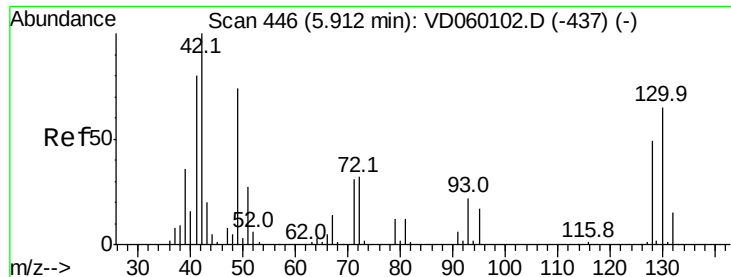
Tot Ion: 83 Resp: 529349
Ion Ratio Lower Upper
83 100
55 92.3 70.5 105.7
98 46.8 39.4 59.2



#40
Benzene
Concen: 23.464 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 78 Resp: 1224958
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 47.875 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 41 Resp: 358419

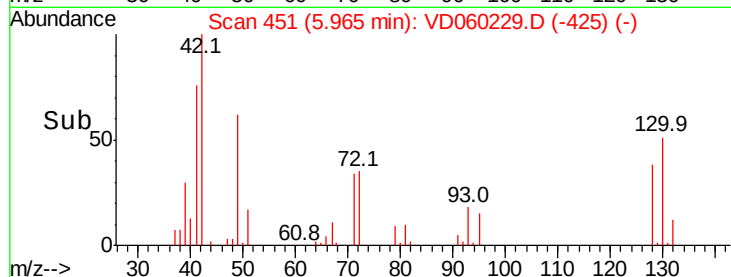
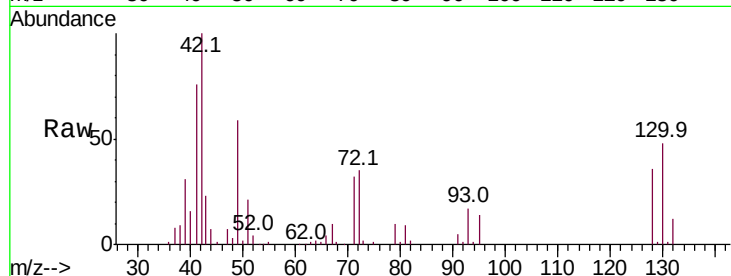
Ion Ratio Lower Upper

41 100

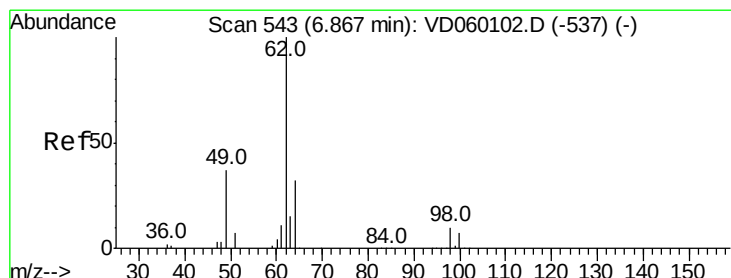
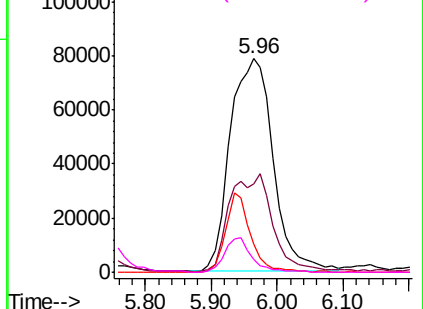
39 41.4 36.0 54.0

67 13.5 13.9 20.9#

52 5.9 6.1 9.1#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.804 ug/l

RT: 6.92 min Scan# 548

Delta R.T. 0.05 min

Lab File: VD060229.D

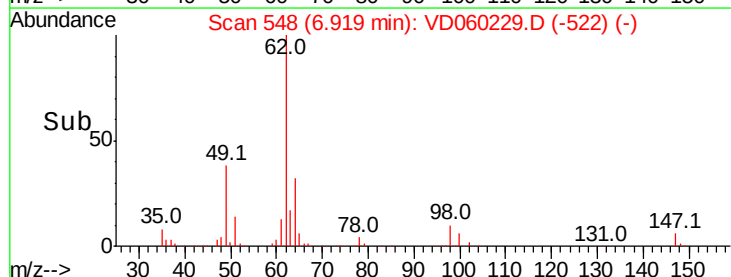
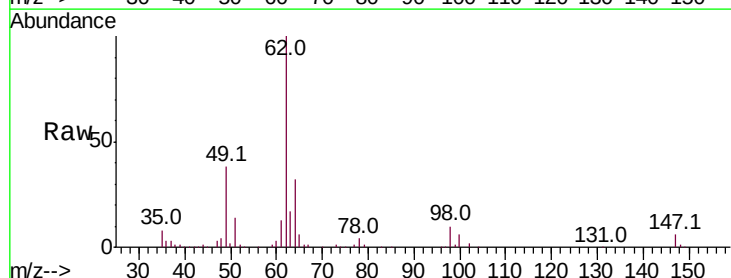
Acq: 29 Oct 2018 15:17

Tgt Ion: 62 Resp: 356276

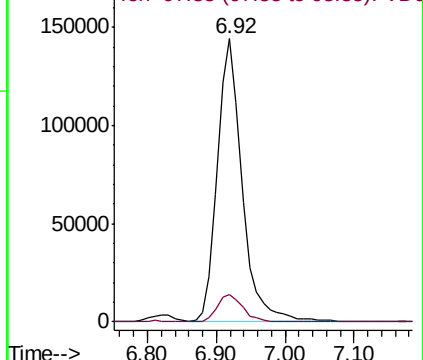
Ion Ratio Lower Upper

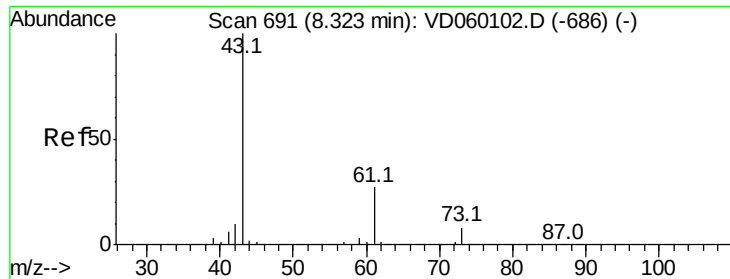
62 100

98 9.7 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.685 ug/l

RT: 8.38 min Scan# 696

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampled :

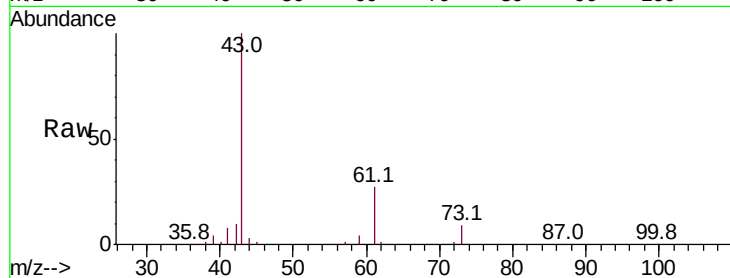
Tot Ion: 43 Resp: 395307

Ion Ratio Lower Upper

43 100

61 26.8 21.4 32.2

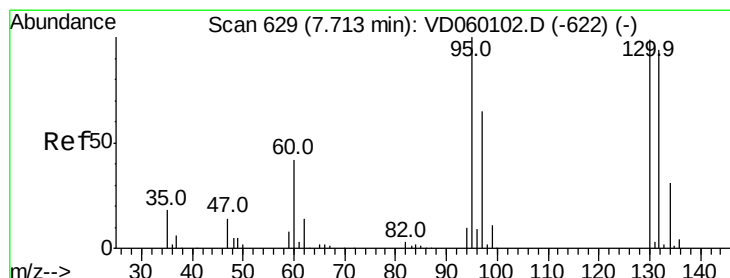
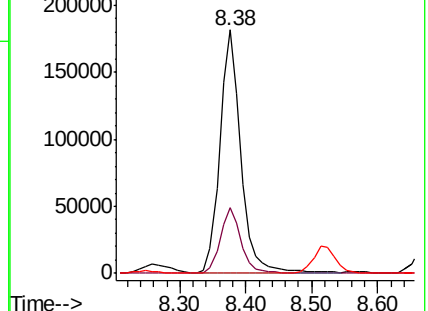
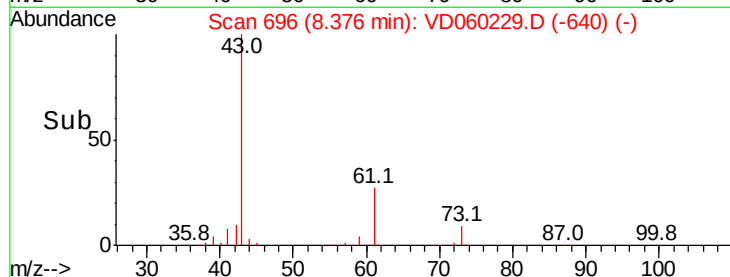
87 0.2 0.2 0.2



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: 22.461 ug/l

RT: 7.77 min Scan# 634

Delta R.T. 0.05 min

Lab File: VD060229.D

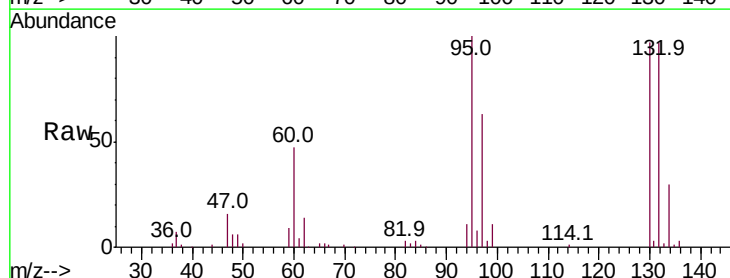
Acq: 29 Oct 2018 15:17

Tgt Ion:130 Resp: 362984

Ion Ratio Lower Upper

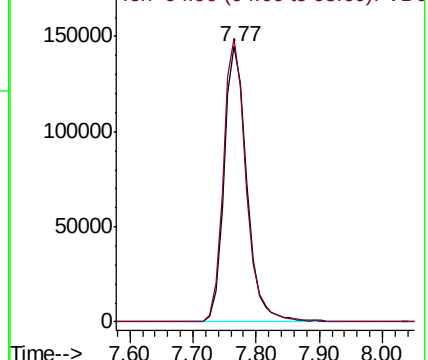
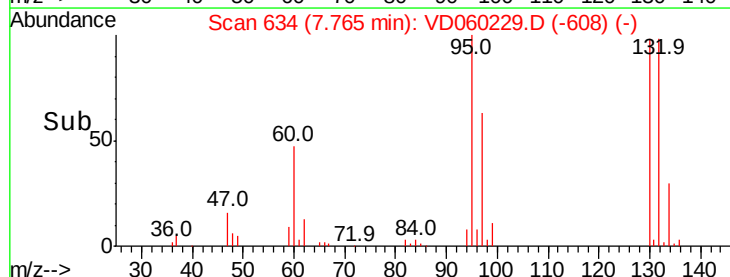
130 100

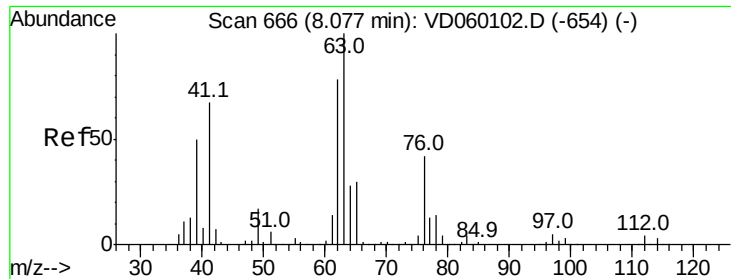
95 102.9 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.493 ug/l

RT: 8.13 min Scan# 671

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

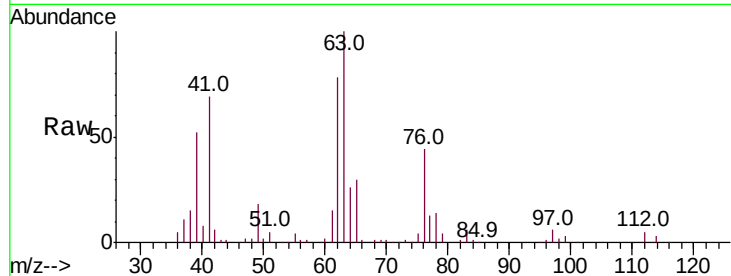
ClientSampled :

Tot Ion: 63 Resp: 321136

Ion Ratio Lower Upper

63 100

65 29.8 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.13

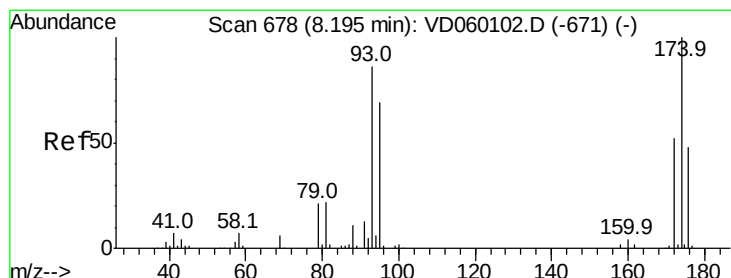
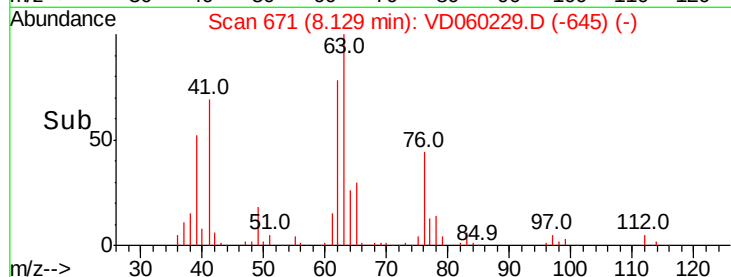
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 23.410 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

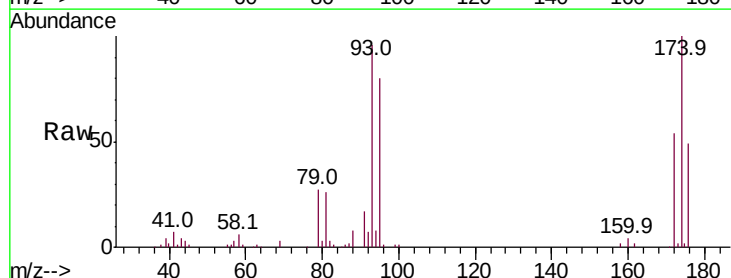
Tgt Ion: 93 Resp: 207182

Ion Ratio Lower Upper

93 100

95 83.8 63.8 95.6

174 104.2 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

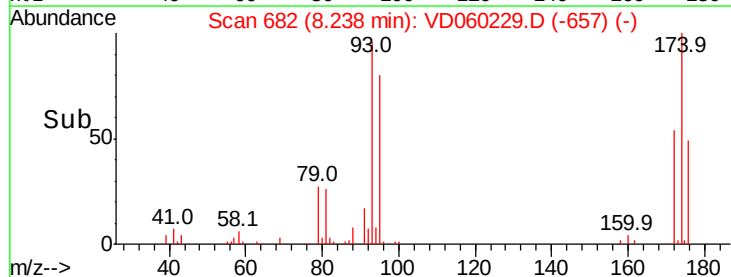
8.24

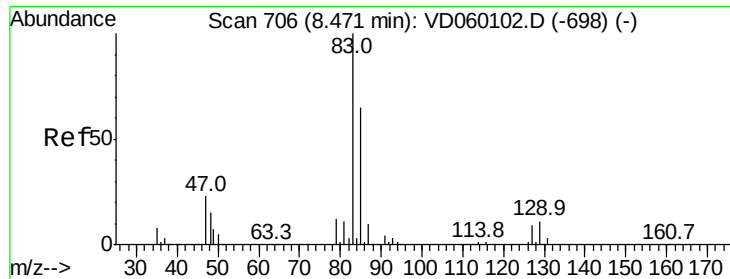
100000

50000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 24.526 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

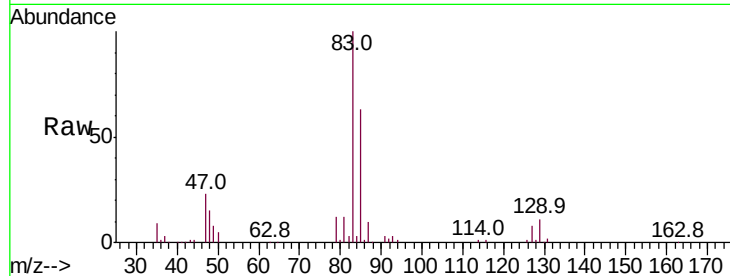
Tot Ion: 83 Resp: 462475

Ion Ratio Lower Upper

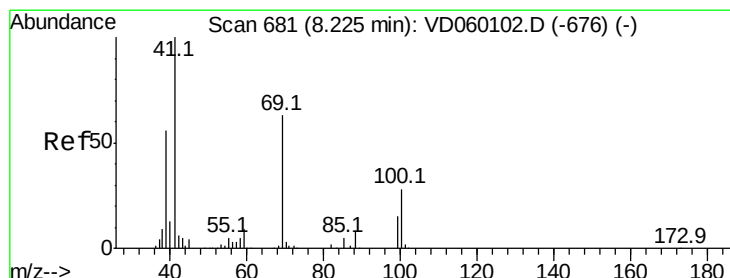
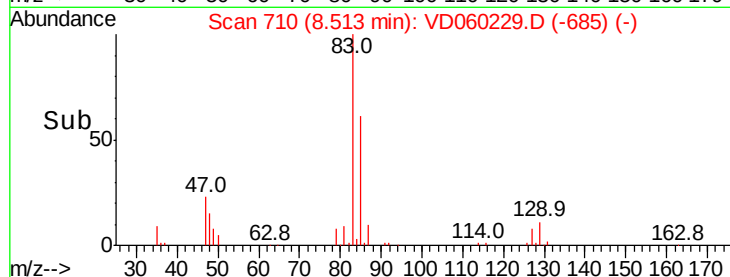
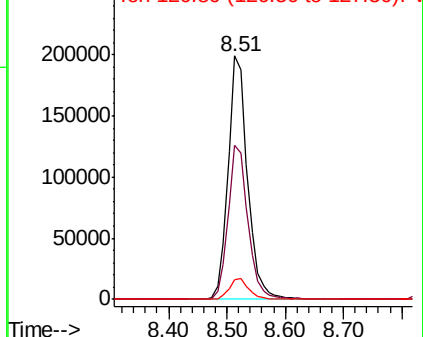
83 100

85 63.2 52.2 78.2

127 8.1 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: 23.712 ug/l

RT: 8.27 min Scan# 685

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

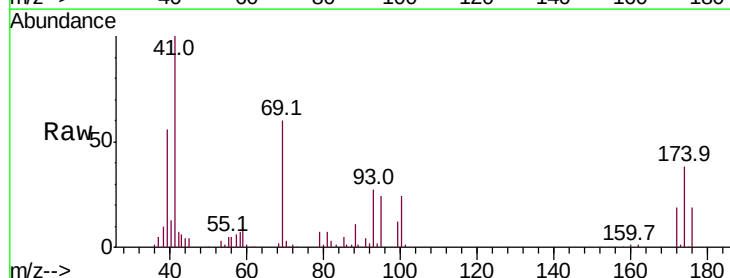
Tgt Ion: 41 Resp: 235362

Ion Ratio Lower Upper

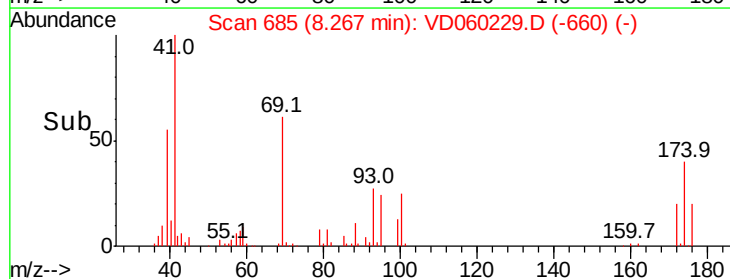
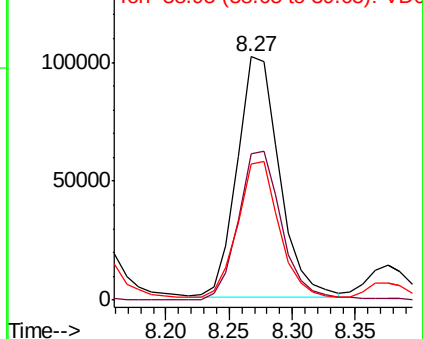
41 100

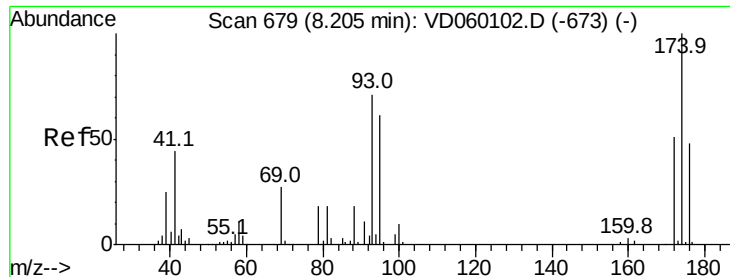
69 59.9 49.7 74.5

39 55.8 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

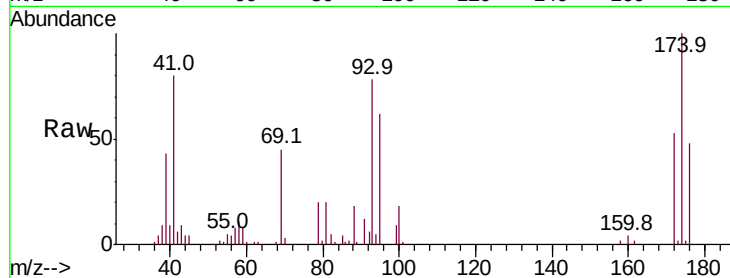




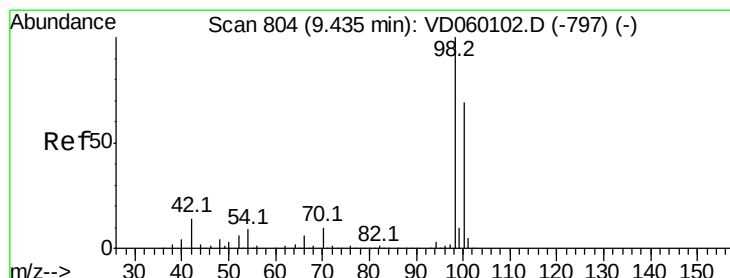
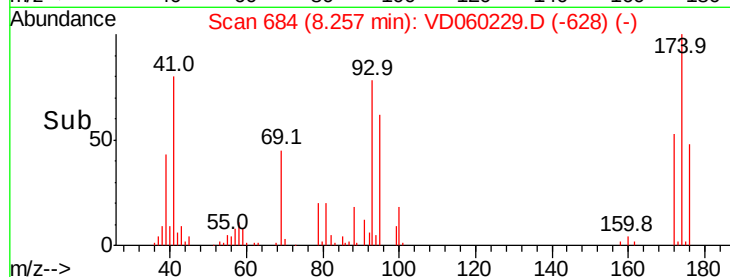
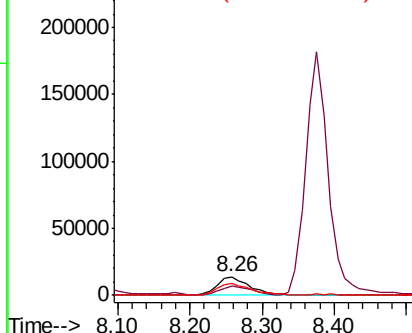
#49
 1,4-Dioxane
 Concen: 448.479 ug/l
 RT: 8.26 min Scan# 684
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 88 Resp: 43800
 Ion Ratio Lower Upper
 88 100
 43 47.6 33.7 50.5
 58 62.1 49.1 73.7

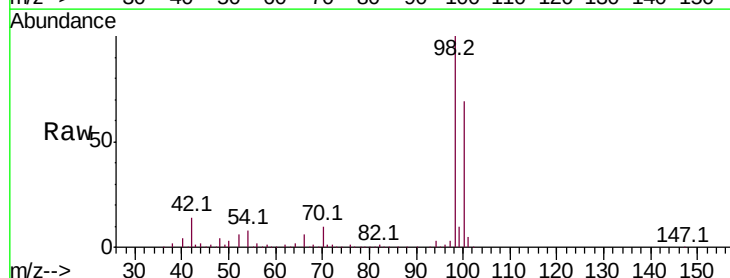


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

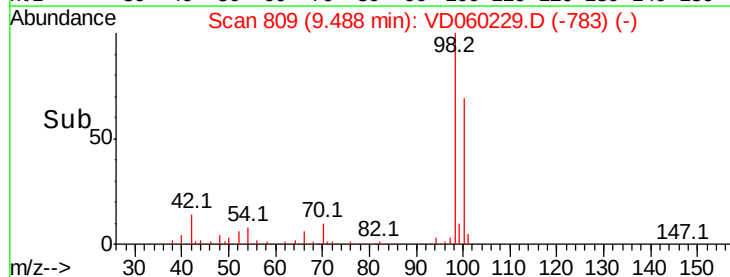
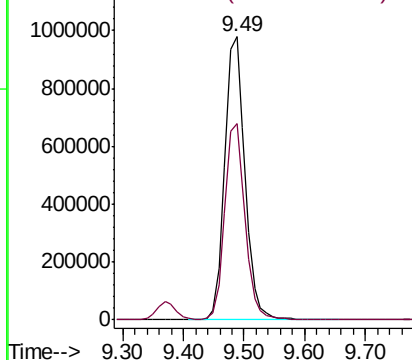


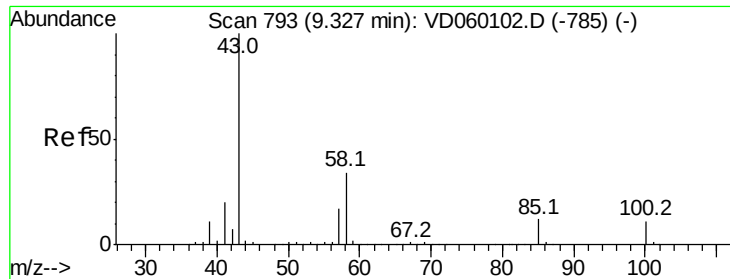
#50
 Toluene-d8
 Concen: 448.479 ug/l
 RT: 9.49 min Scan# 809
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion: 98 Resp: 2272543
 Ion Ratio Lower Upper
 98 100
 100 69.4 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: 123.979 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

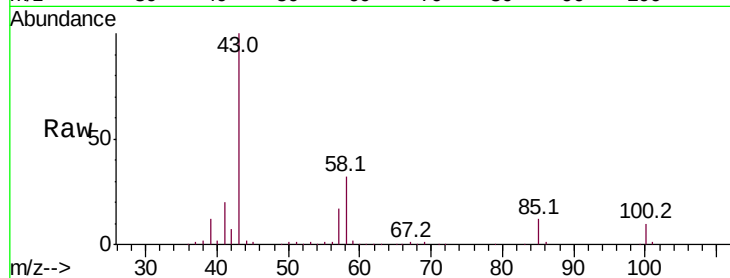
ClientSampled :

Tot Ion: 43 Resp: 1362642

Ion Ratio Lower Upper

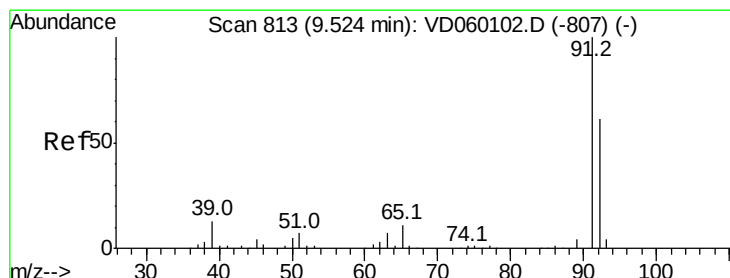
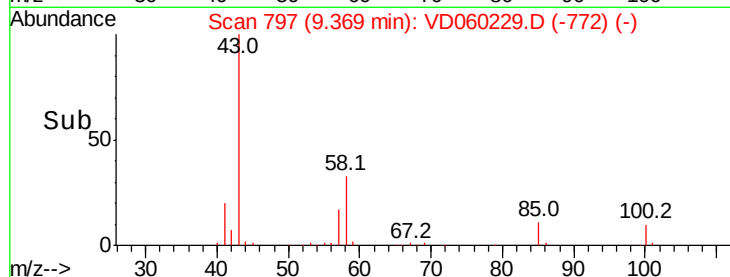
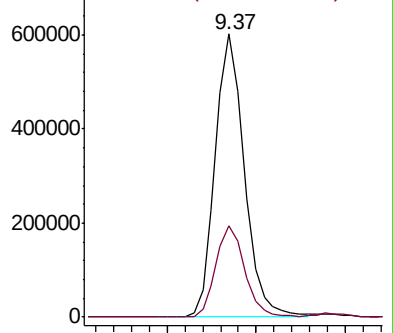
43 100

58 32.5 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: 23.887 ug/l

RT: 9.58 min Scan# 818

Delta R.T. 0.05 min

Lab File: VD060229.D

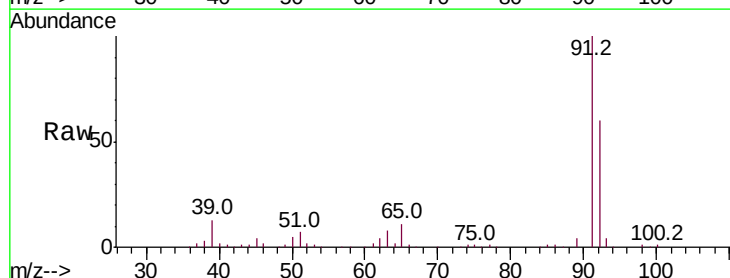
Acq: 29 Oct 2018 15:17

Tgt Ion: 92 Resp: 803118

Ion Ratio Lower Upper

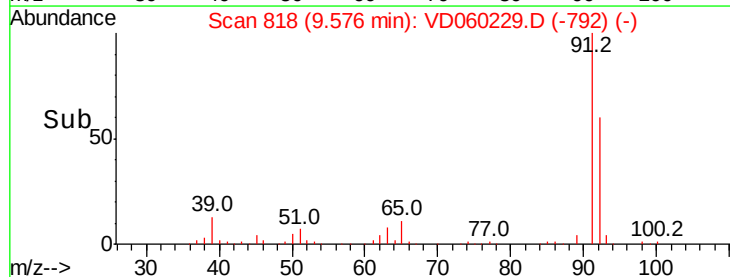
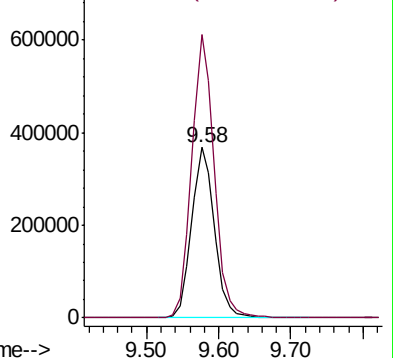
92 100

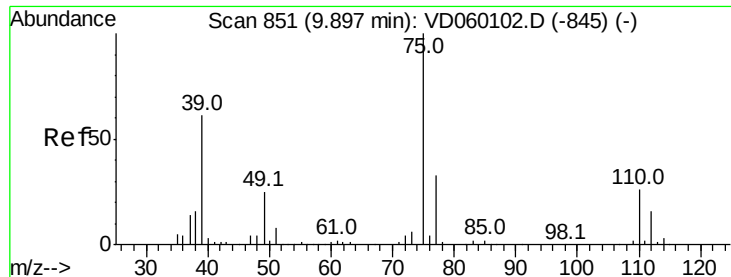
91 166.2 131.9 197.9



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: 23.783 ug/l

RT: 9.95 min Scan# 856

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

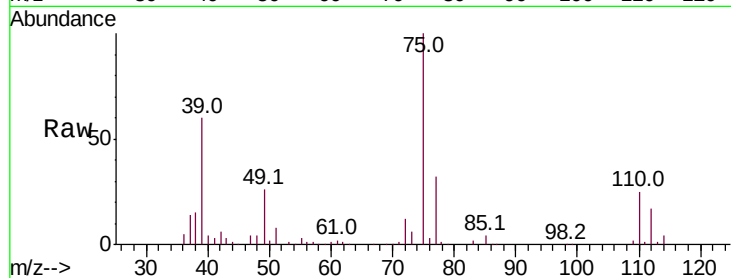
ClientSampleId :

Tot Ion: 75 Resp: 405794

Ion Ratio Lower Upper

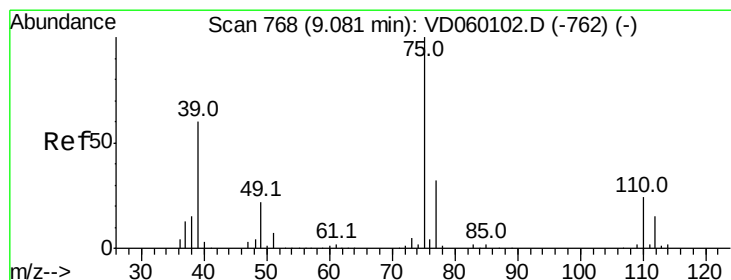
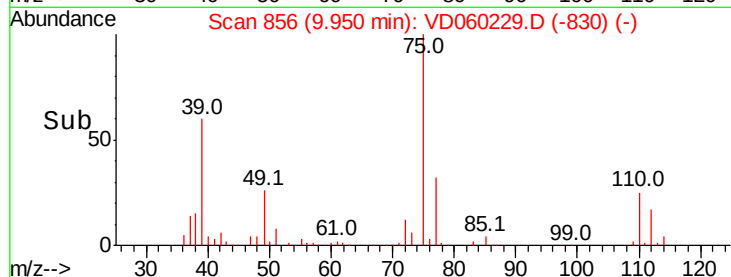
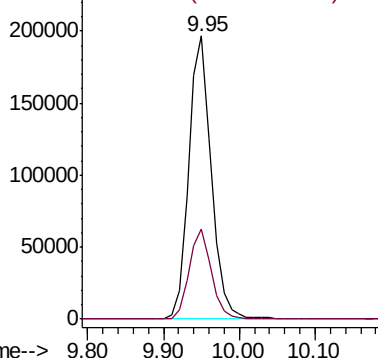
75 100

77 32.0 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: 24.044 ug/l

RT: 9.13 min Scan# 773

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

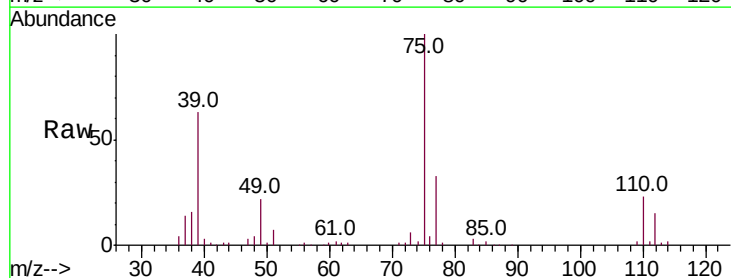
Tgt Ion: 75 Resp: 506605

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

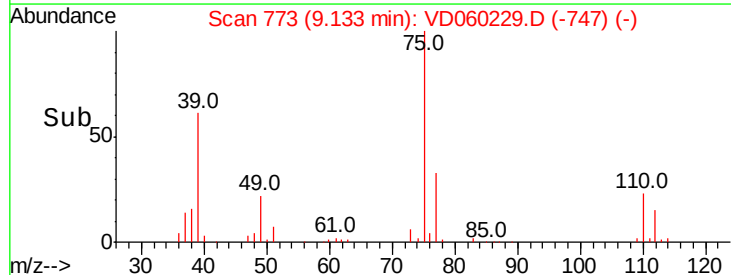
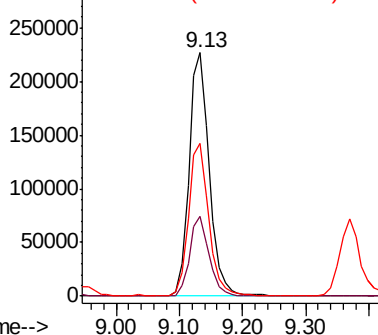
39 62.8 48.2 72.4

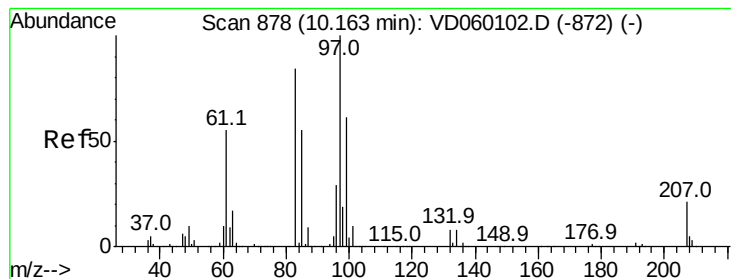


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 23.867 ug/l

RT: 10.21 min Scan# 882

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 97 Resp: 262340

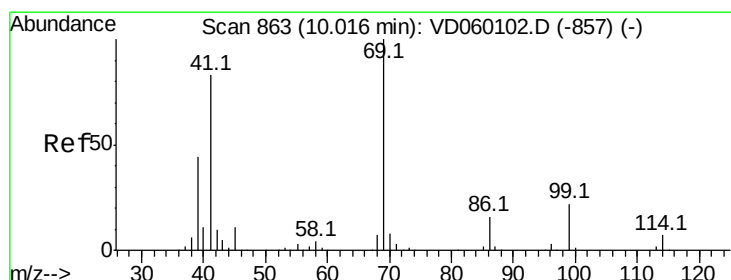
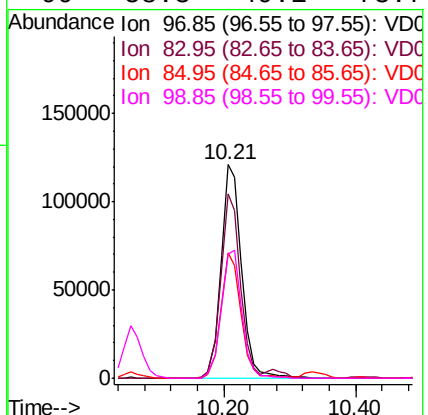
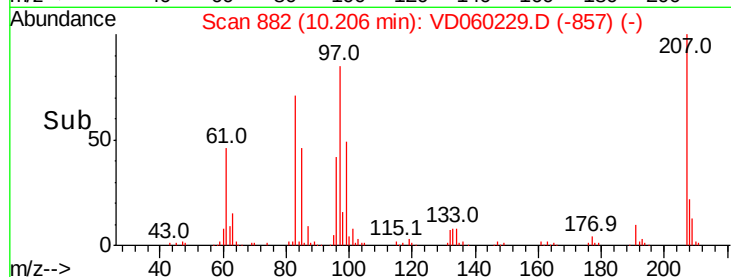
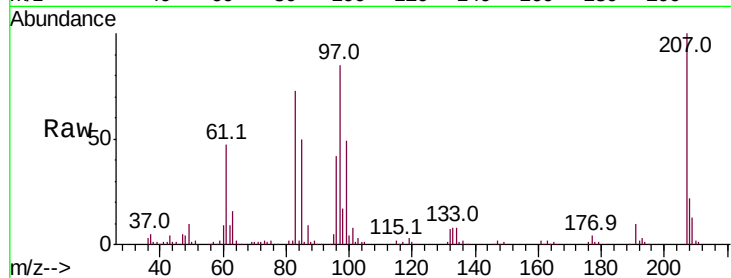
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.0	100.6
85	59.0	43.9	65.9
99	58.3	49.1	73.7

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: 23.140 ug/l

RT: 10.06 min Scan# 867

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

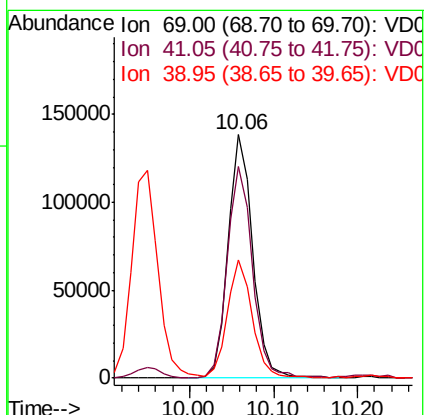
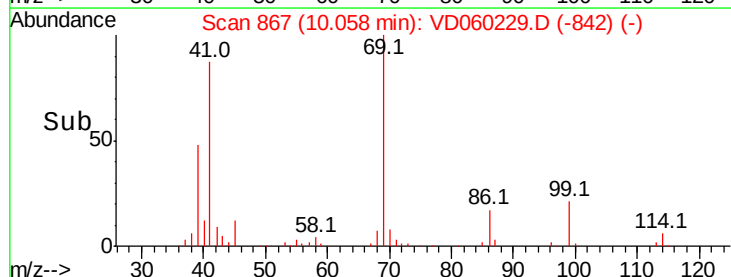
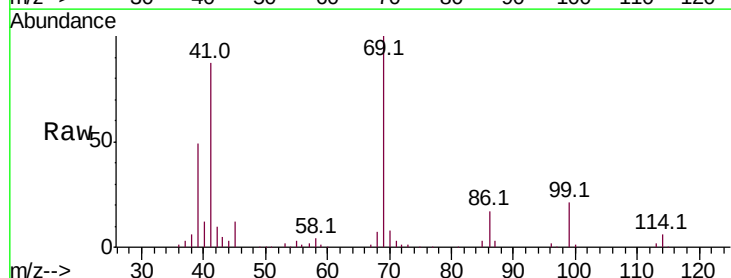
Tgt Ion: 69 Resp: 280759

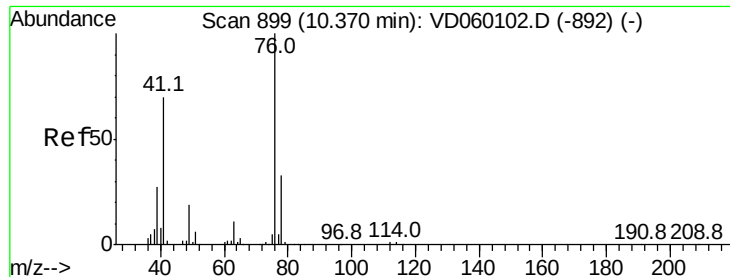
Ion	Ratio	Lower	Upper
69	100		
41	87.1	66.6	100.0
39	48.6	36.0	54.0

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: 24.417 ug/l

RT: 10.41 min Scan# 903

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

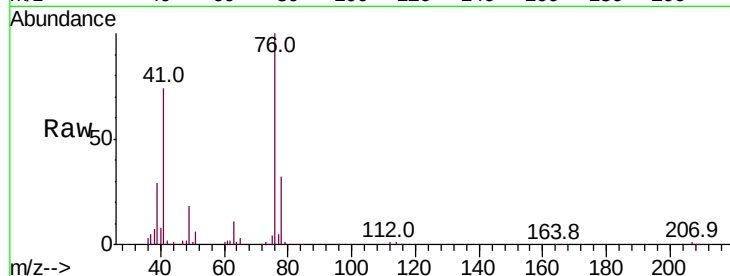
ClientSampleId :

Tot Ion: 76 Resp: 409308

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

250000

200000

150000

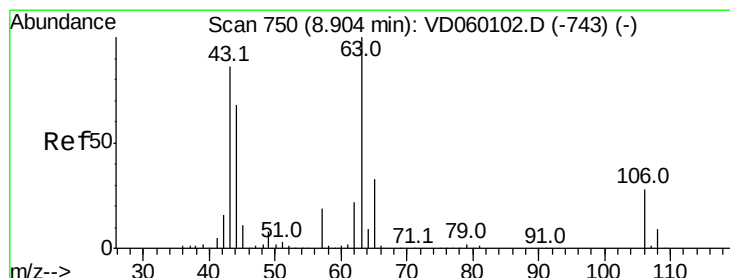
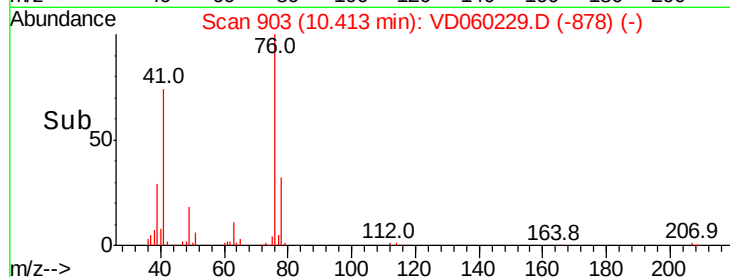
100000

50000

0

10.30 10.40 10.50 10.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 122.246 ug/l

RT: 8.95 min Scan# 754

Delta R.T. 0.04 min

Lab File: VD060229.D

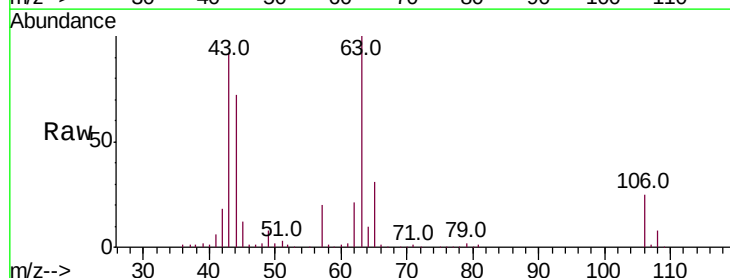
Acq: 29 Oct 2018 15:17

Tgt Ion: 63 Resp: 823645

Ion Ratio Lower Upper

63 100

106 25.2 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

400000

300000

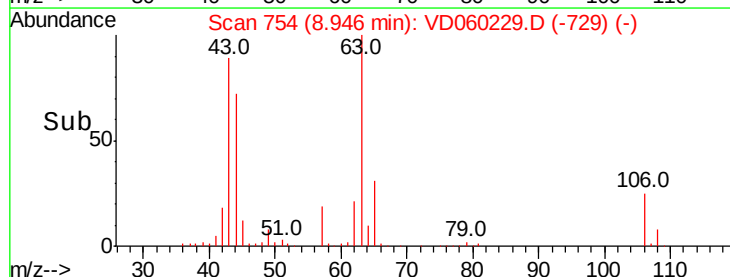
200000

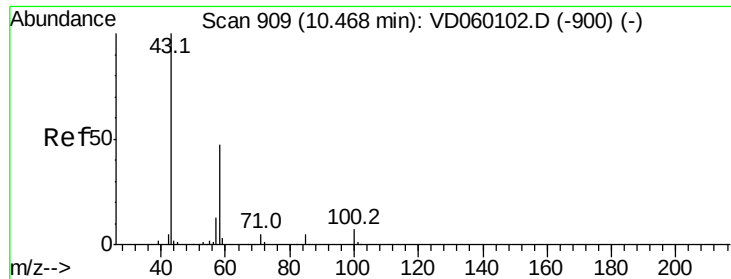
100000

0

8.80 8.90 9.00 9.10

Time-->

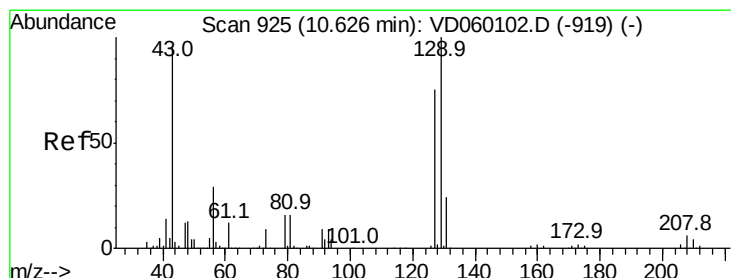
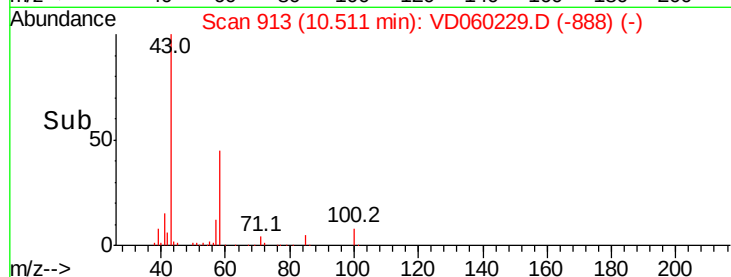
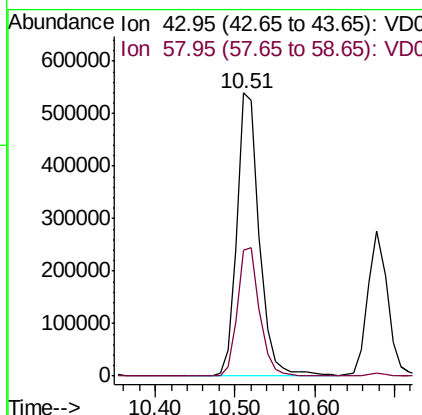
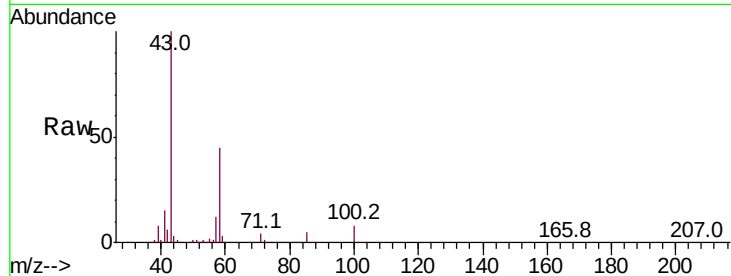




#59
2-Hexanone
Concen: 134.653 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

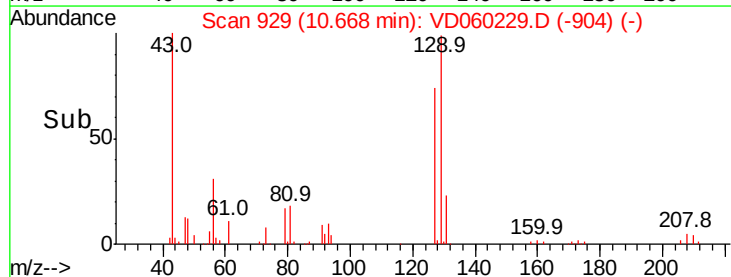
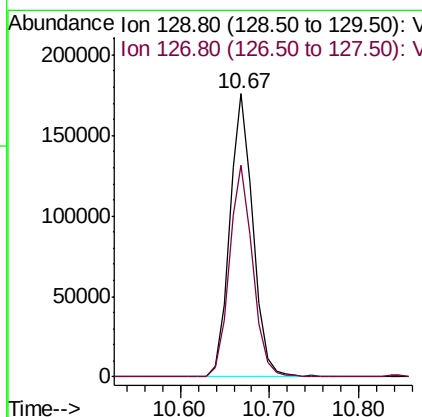
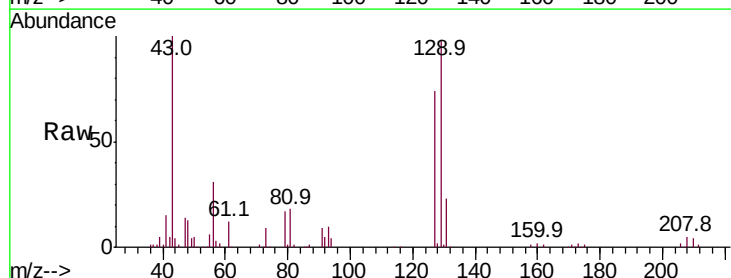
Instrument :
BNA_F
ClientSampleId :

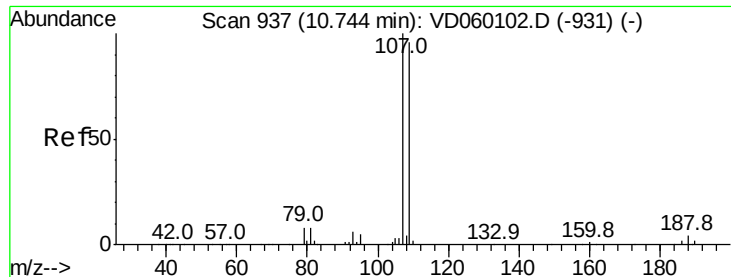
Tot Ion: 43 Resp: 1064212
Ion Ratio Lower Upper
43 100
58 44.6 23.3 69.9



#60
Dibromochloromethane
Concen: 23.807 ug/l
RT: 10.67 min Scan# 929
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 129 Resp: 321058
Ion Ratio Lower Upper
129 100
127 74.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 23.294 ug/l

RT: 10.79 min Scan# 941

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

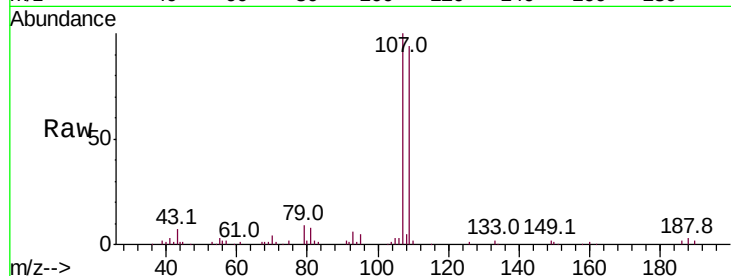
ClientSampleId :

Tot Ion:107 Resp: 272041

Ion Ratio Lower Upper

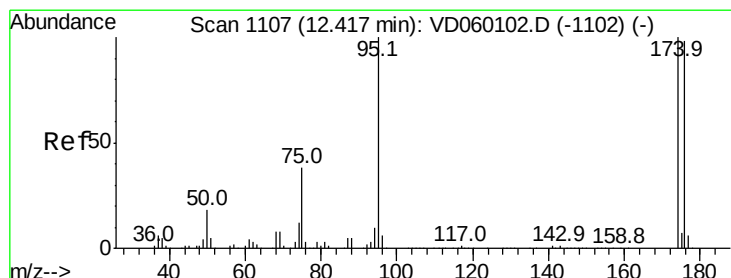
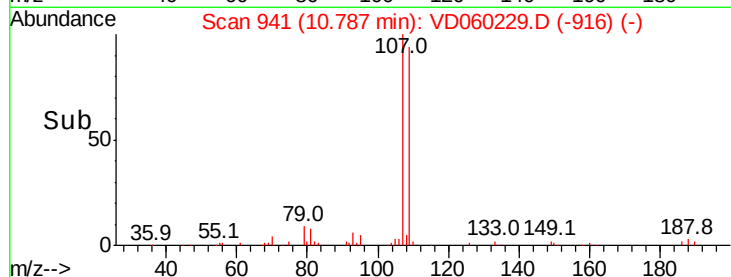
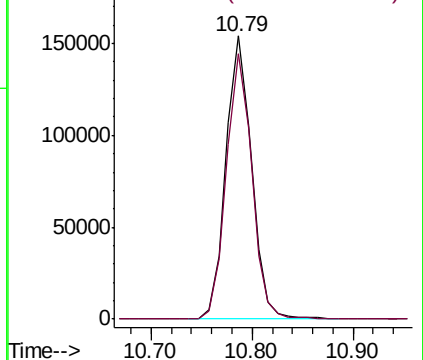
107 100

109 93.6 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 23.294 ug/l

RT: 12.45 min Scan# 1110

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

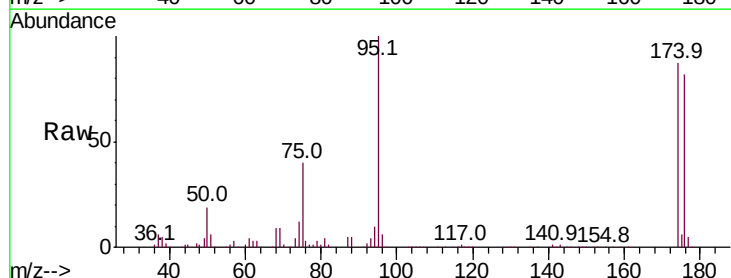
Tgt Ion: 95 Resp: 878614

Ion Ratio Lower Upper

95 100

174 86.6 0.0 200.2

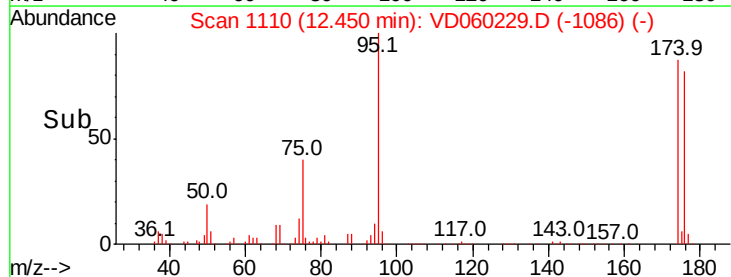
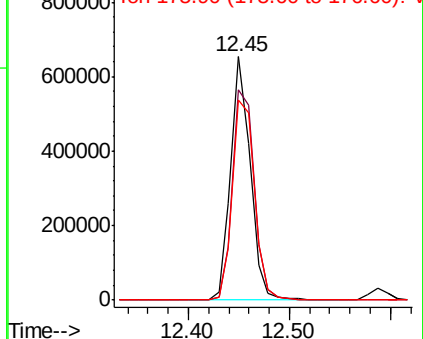
176 82.2 0.0 195.6

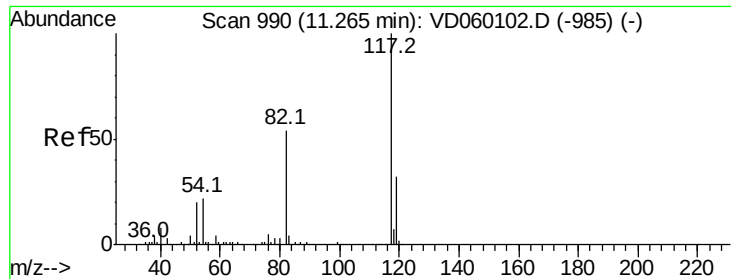


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

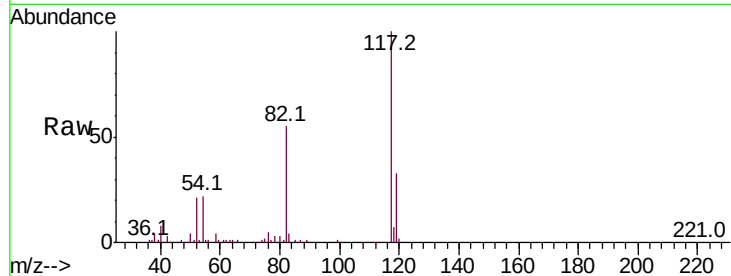




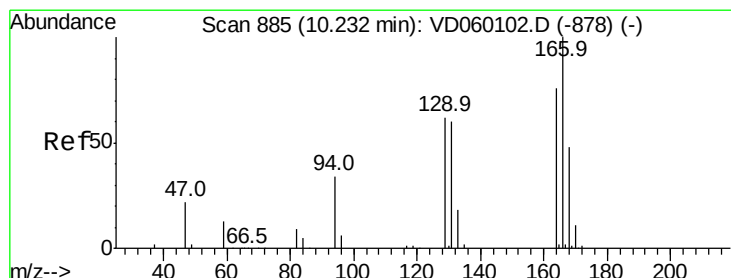
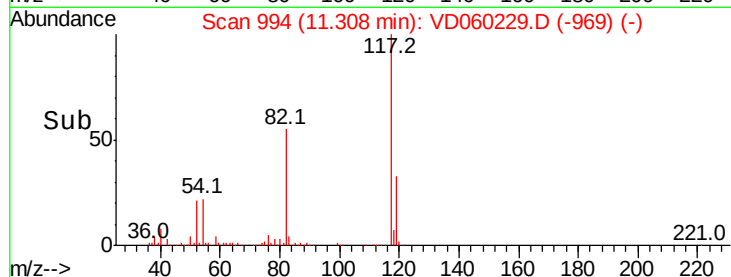
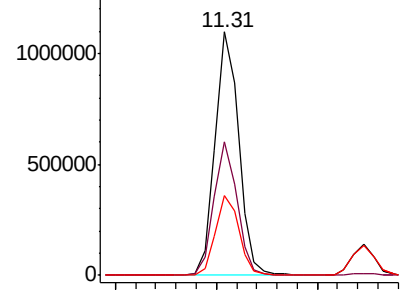
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 1781899
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.2
119 32.6 26.0 39.0

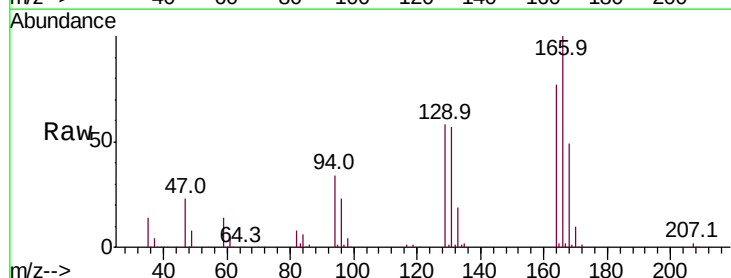


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

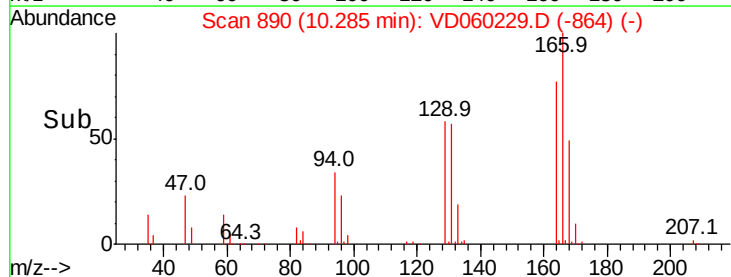
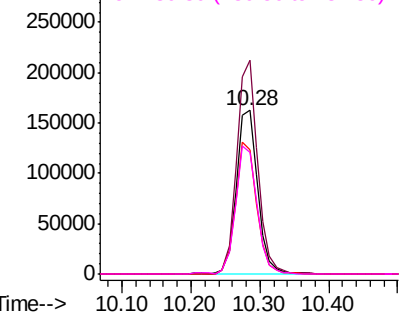


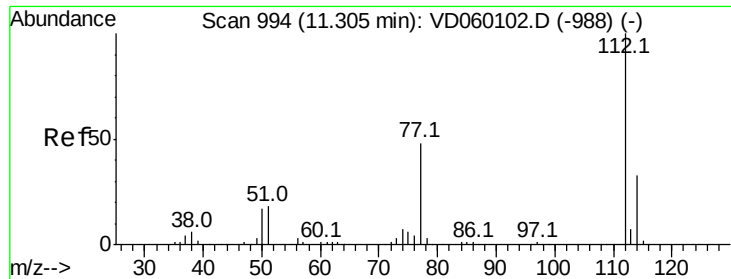
#64
Tetrachloroethene
Concen: 22.401 ug/l
RT: 10.28 min Scan# 890
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:164 Resp: 349612
Ion Ratio Lower Upper
164 100
166 130.7 105.4 158.0
129 75.7 65.7 98.5
131 74.4 62.9 94.3



Abundance Ion 163.85 (163.55 to 164.55): V
300000 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

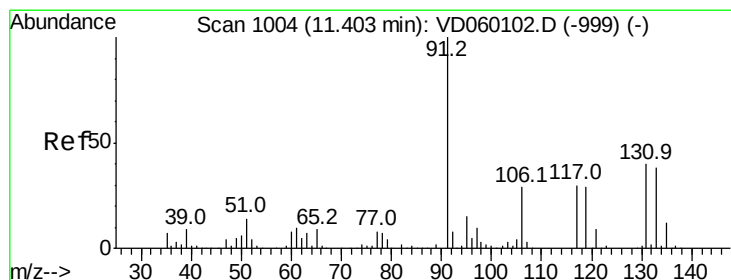
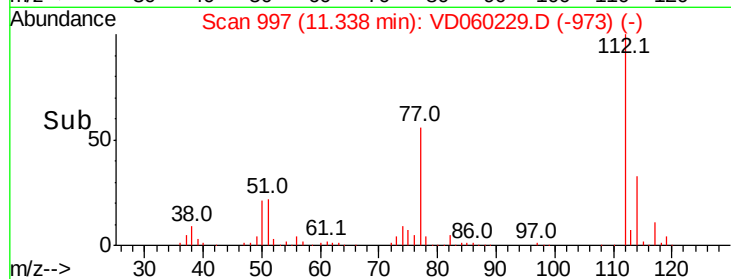
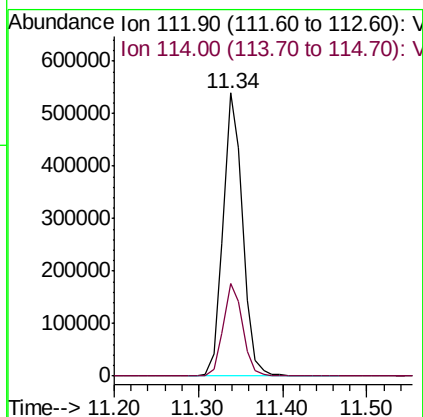
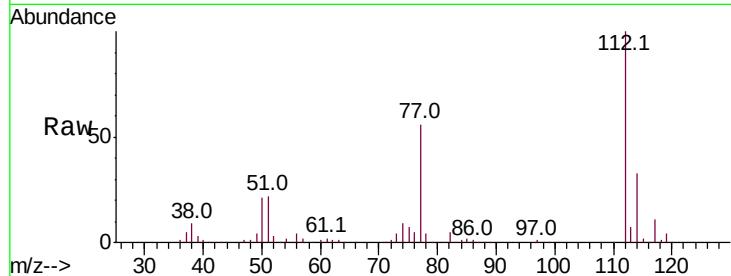




#65
Chlorobenzene
Concen: 22.508 ug/l
RT: 11.34 min Scan# 997
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

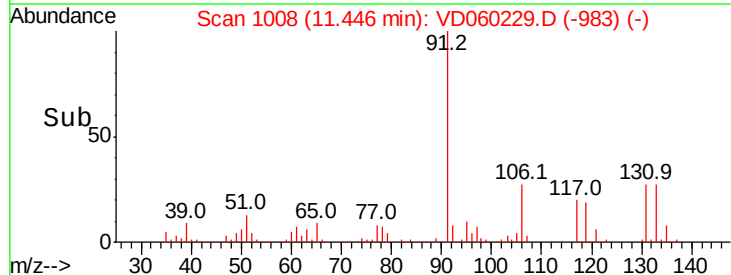
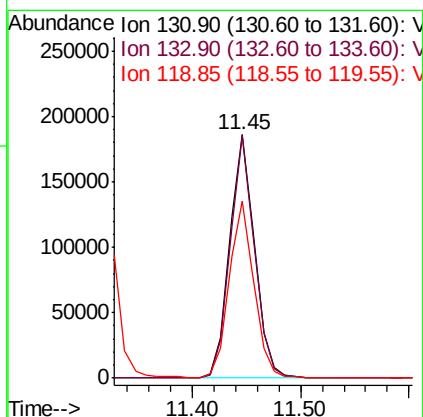
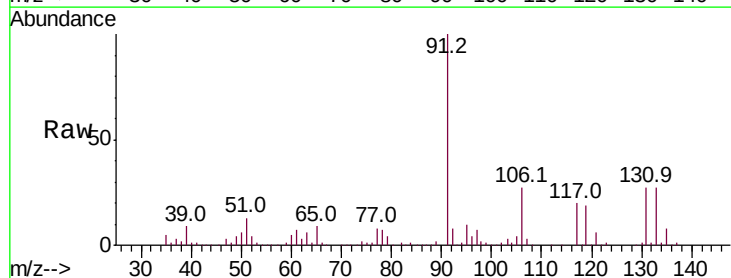
Instrument :
BNA_F
ClientSampled :

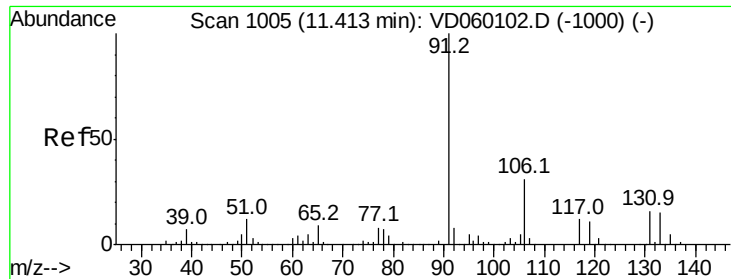
Tot Ion:112 Resp: 867666
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.392 ug/l
RT: 11.45 min Scan# 1008
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:131 Resp: 300827
Ion Ratio Lower Upper
131 100
133 99.6 47.4 142.3
119 72.7 36.1 108.3

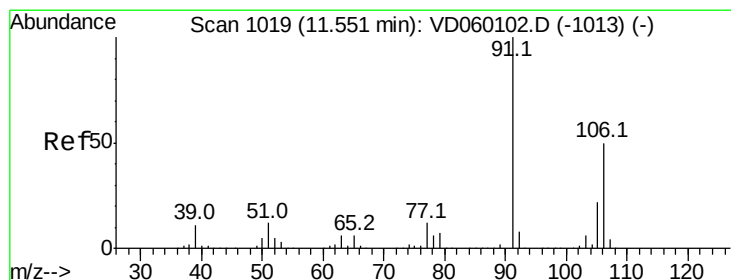
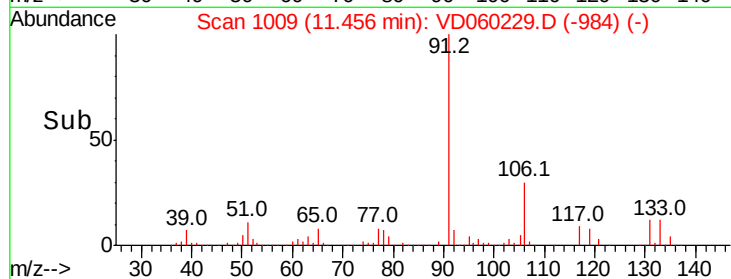
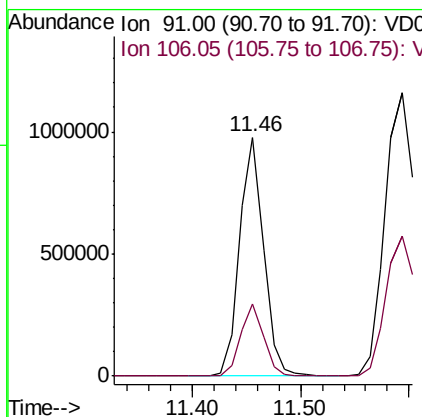
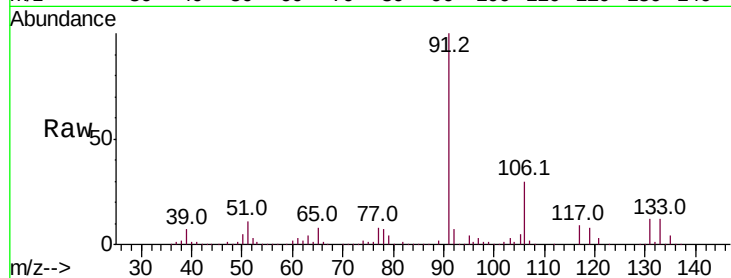




#67
Ethyl Benzene
Concen: 24.069 ug/l
RT: 11.46 min Scan# 1009
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

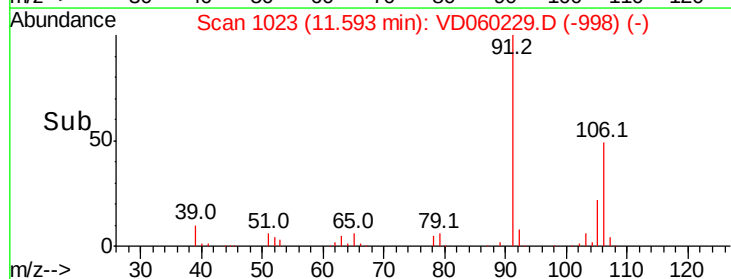
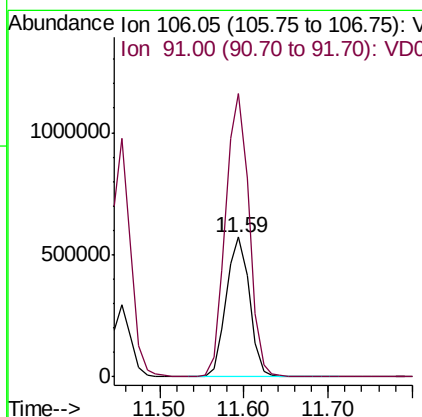
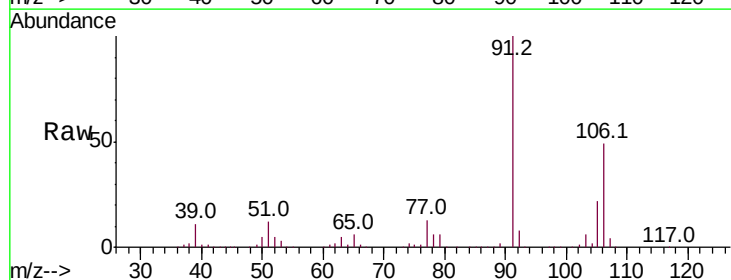
Instrument :
BNA_F
ClientSampleId :

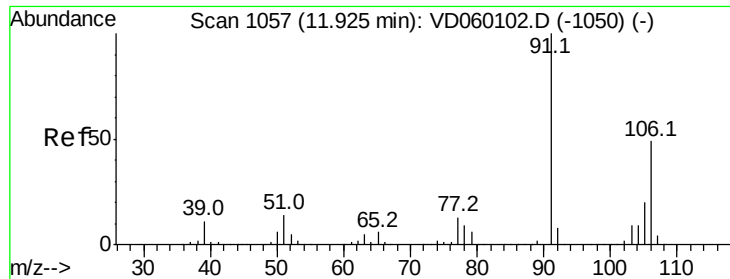
Tot Ion: 91 Resp: 1503254
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6



#68
m/p-Xylenes
Concen: 46.966 ug/l
RT: 11.59 min Scan# 1023
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 106 Resp: 1095991
Ion Ratio Lower Upper
106 100
91 202.3 160.0 240.0

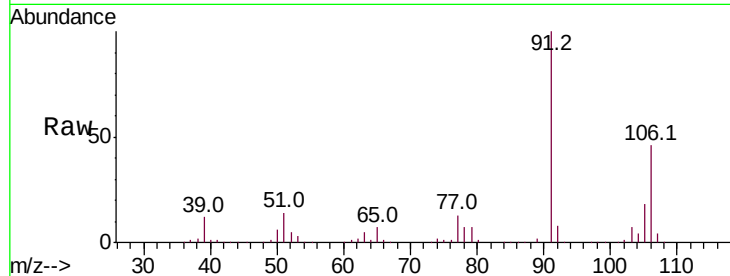




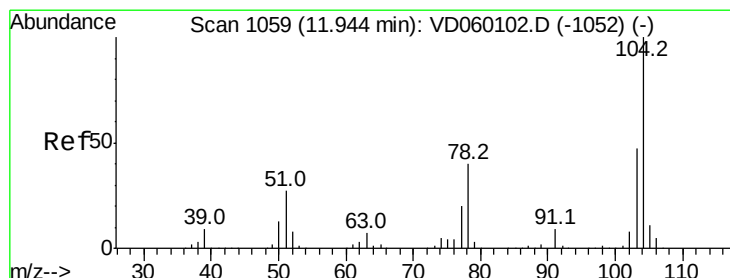
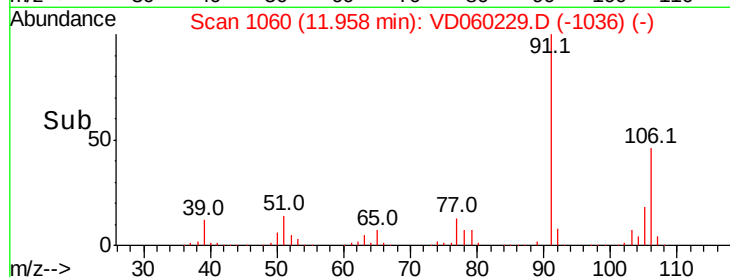
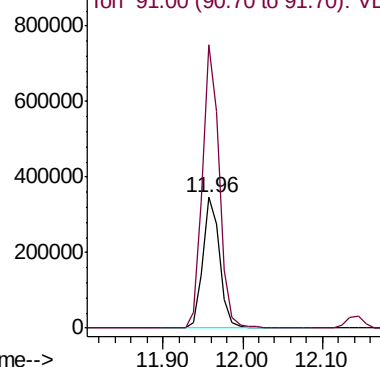
#69
o-Xylene
Concen: 22.640 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:106 Resp: 522586
Ion Ratio Lower Upper
106 100
91 216.4 102.5 307.5

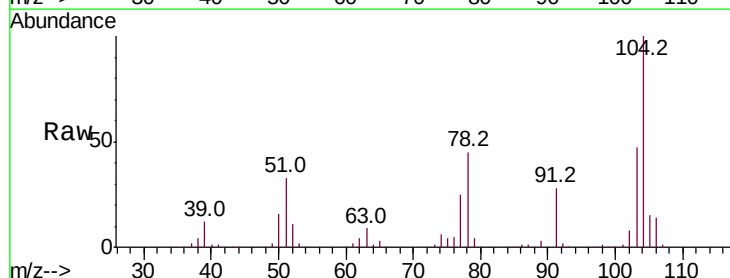


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

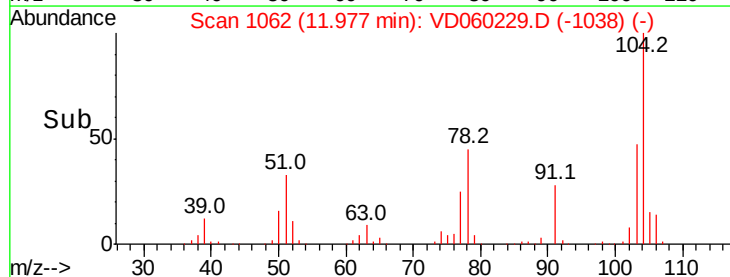
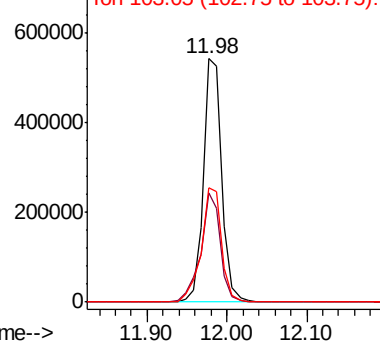


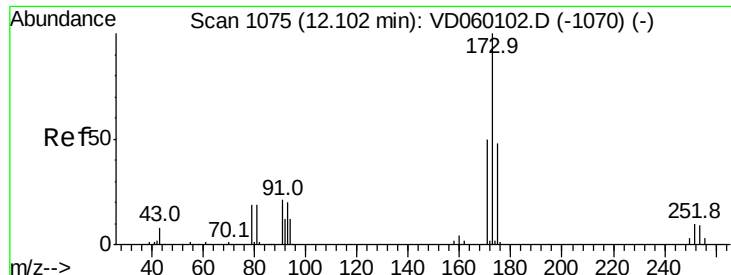
#70
Styrene
Concen: 22.825 ug/l
RT: 11.98 min Scan# 1062
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:104 Resp: 881082
Ion Ratio Lower Upper
104 100
78 45.0 32.2 48.4
103 47.0 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: 21.049 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

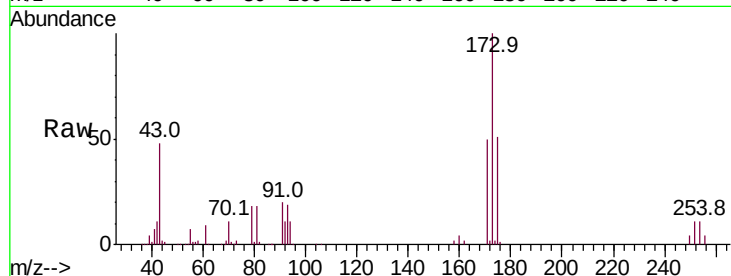
Tot Ion:173 Resp: 219187

Ion Ratio Lower Upper

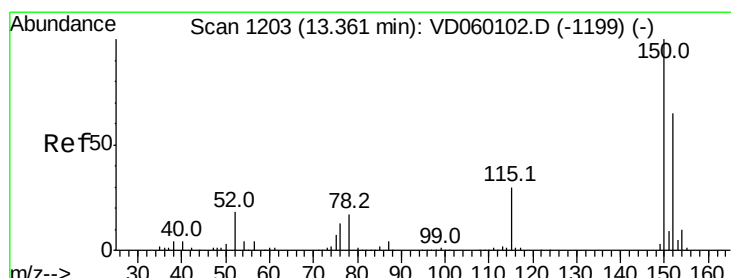
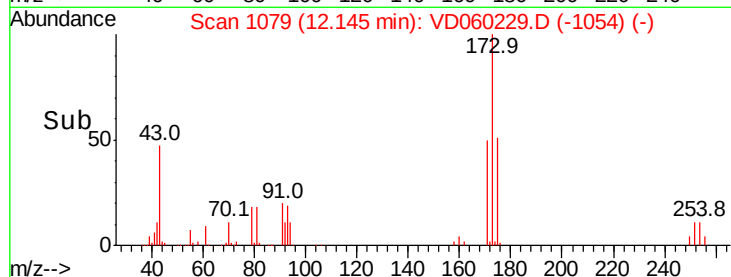
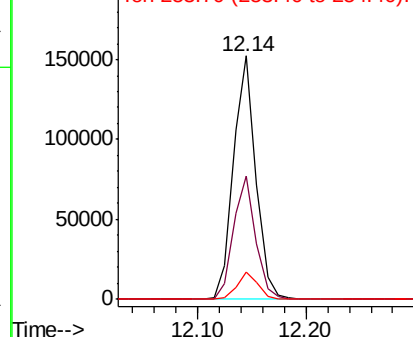
173 100

175 50.6 24.1 72.4

254 11.4 7.4 11.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

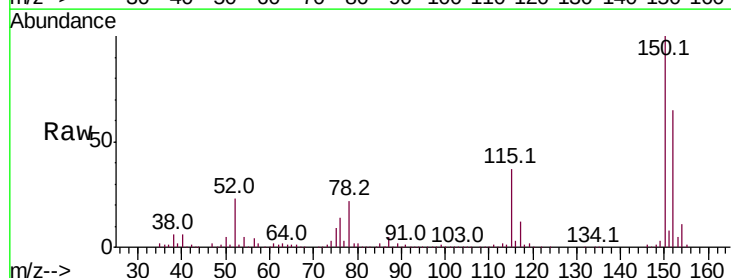
Tgt Ion:152 Resp: 940192

Ion Ratio Lower Upper

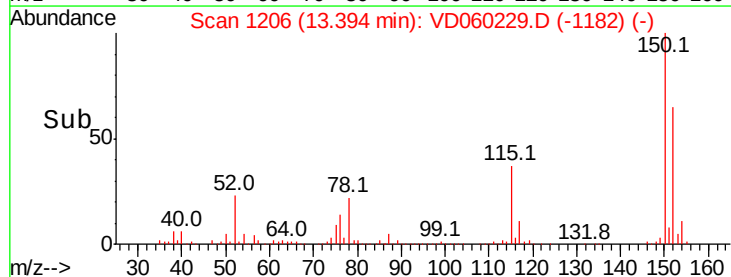
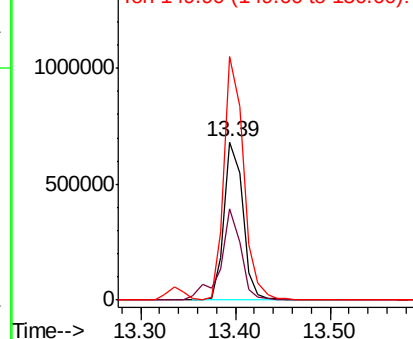
152 100

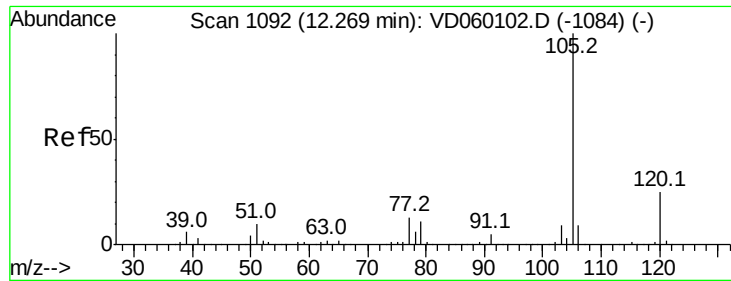
115 57.6 27.1 81.2

150 154.0 0.0 311.8



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





#73

Isopropylbenzene

Concen: 23.279 ug/l

RT: 12.30 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

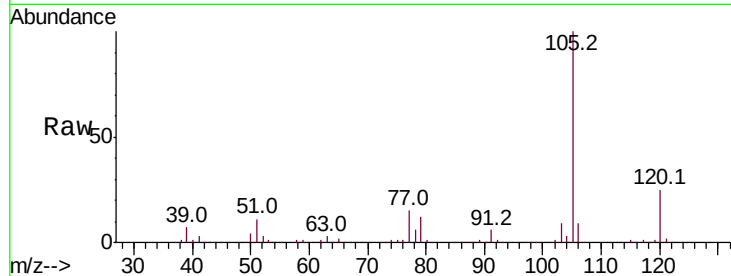
ClientSampleId :

Tot Ion:105 Resp: 1443887

Ion Ratio Lower Upper

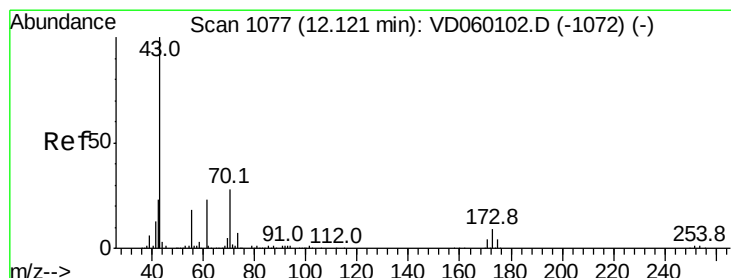
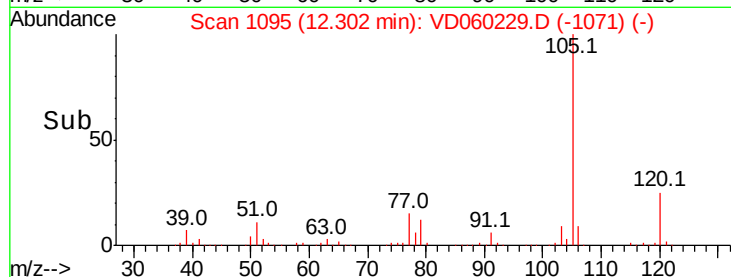
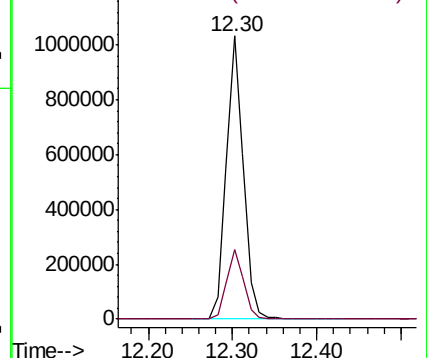
105 100

120 24.7 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.415 ug/l

RT: 12.16 min Scan# 1081

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion: 43 Resp: 509267

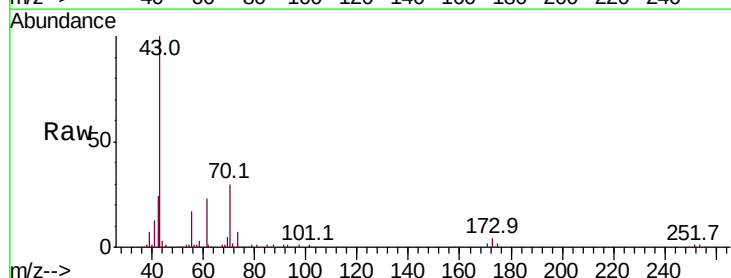
Ion Ratio Lower Upper

43 100

70 29.6 22.1 33.1

55 16.8 14.1 21.1

61 22.9 18.4 27.6

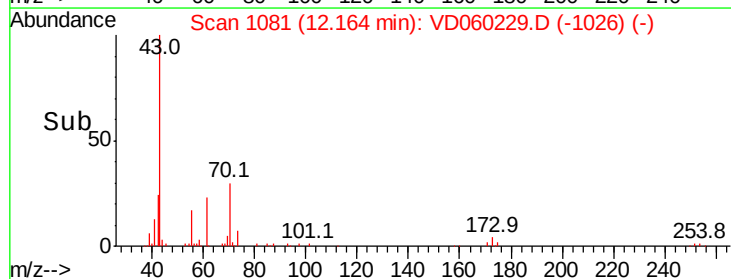
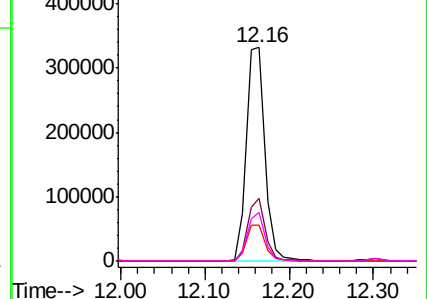


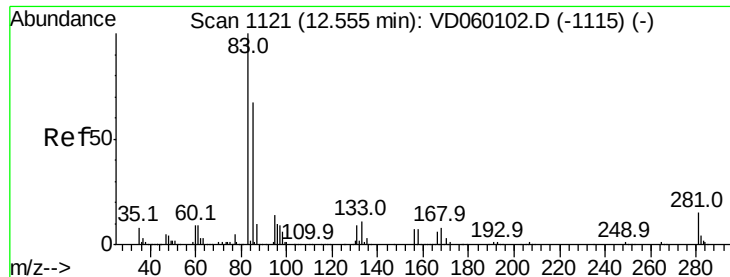
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.292 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

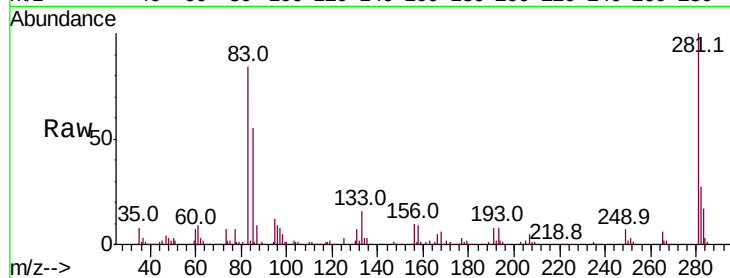
Tot Ion: 83 Resp: 301865

Ion Ratio Lower Upper

83 100

131 8.5 4.5 13.4

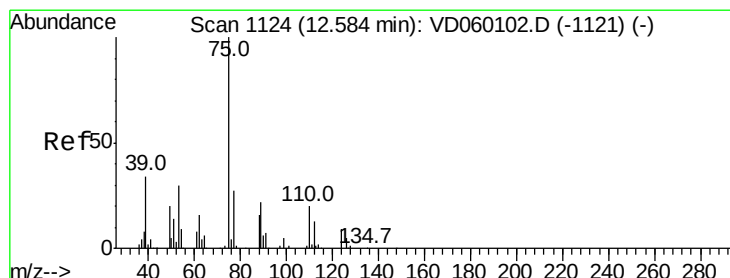
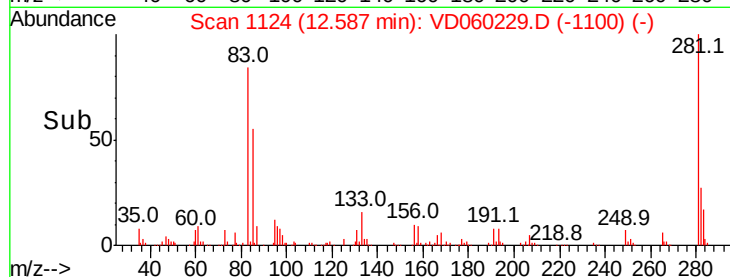
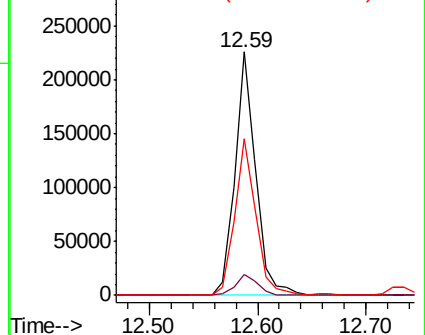
85 64.6 33.3 99.9



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: 22.208 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.04 min

Lab File: VD060229.D

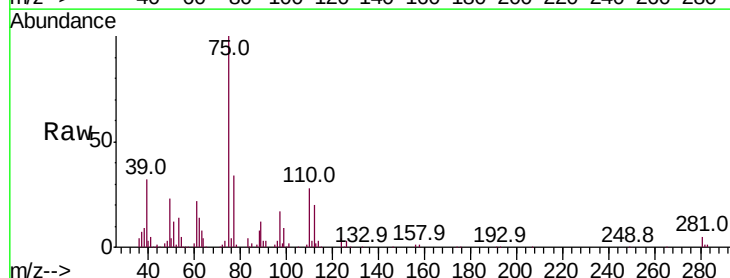
Acq: 29 Oct 2018 15:17

Tgt Ion: 75 Resp: 300695

Ion Ratio Lower Upper

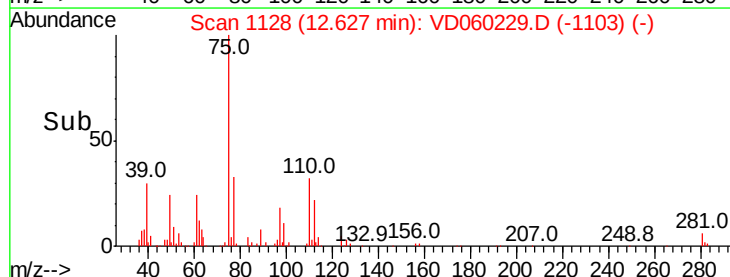
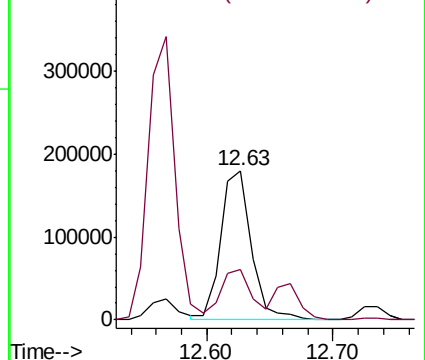
75 100

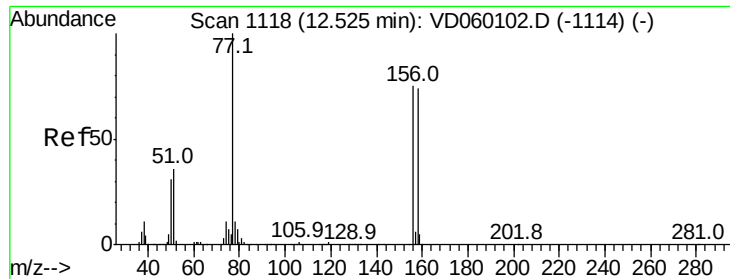
77 33.5 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.177 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

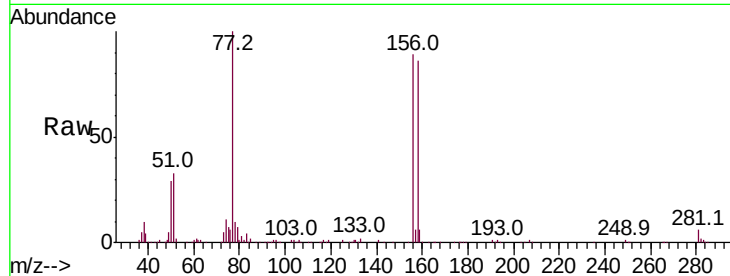
Tot Ion:156 Resp: 399719

Ion Ratio Lower Upper

156 100

77 112.4 66.9 200.7

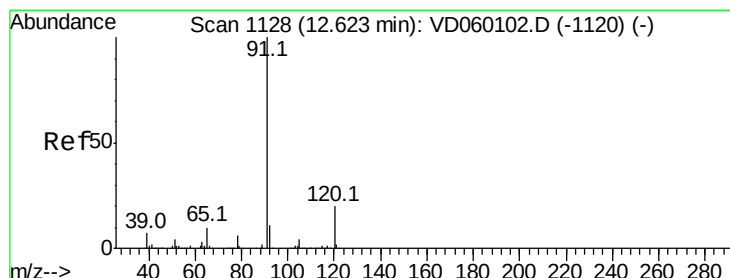
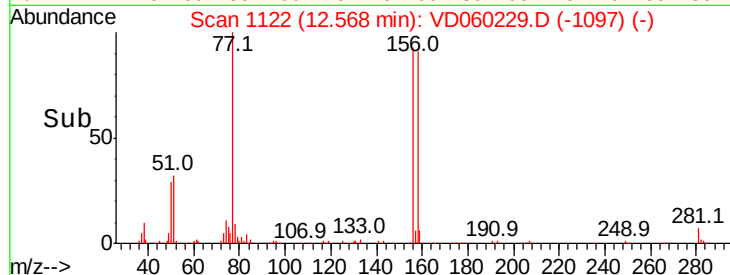
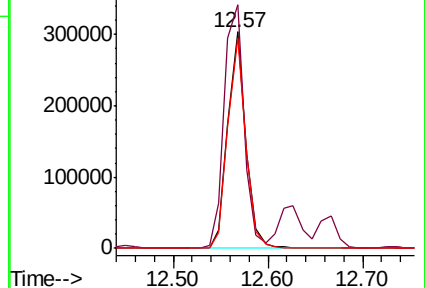
158 97.0 49.1 147.4



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: 23.155 ug/l

RT: 12.67 min Scan# 1132

Delta R.T. 0.04 min

Lab File: VD060229.D

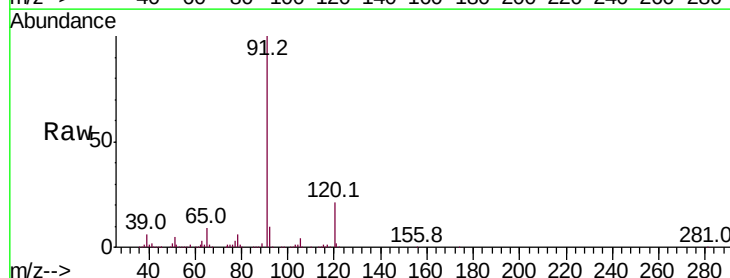
Acq: 29 Oct 2018 15:17

Tgt Ion: 91 Resp: 1783380

Ion Ratio Lower Upper

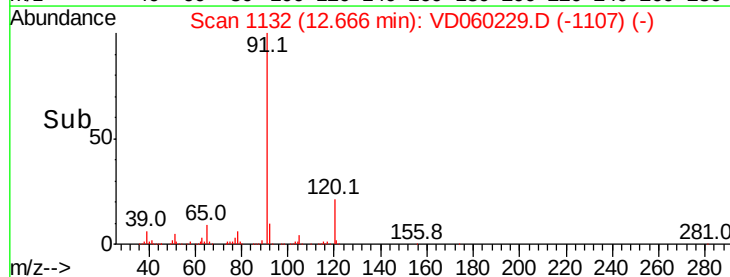
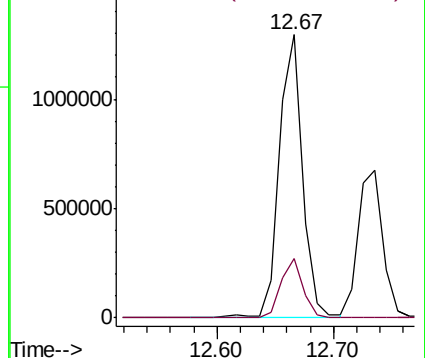
91 100

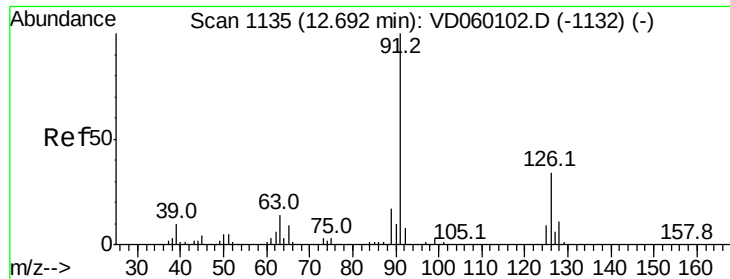
120 21.2 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.801 ug/l

RT: 12.73 min Scan# 1139

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

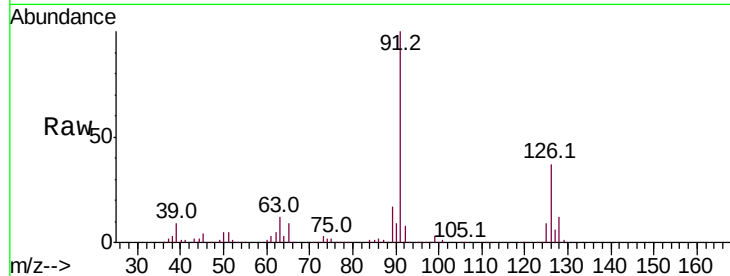
ClientSampleId :

Tot Ion: 91 Resp: 974644

Ion Ratio Lower Upper

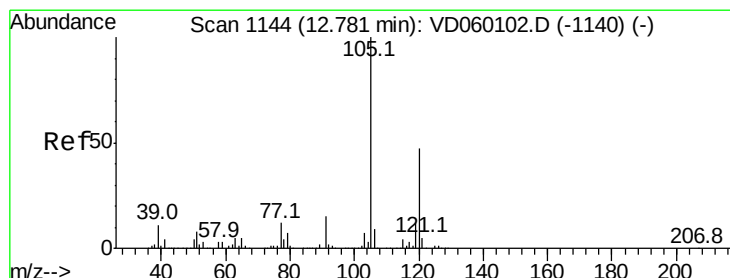
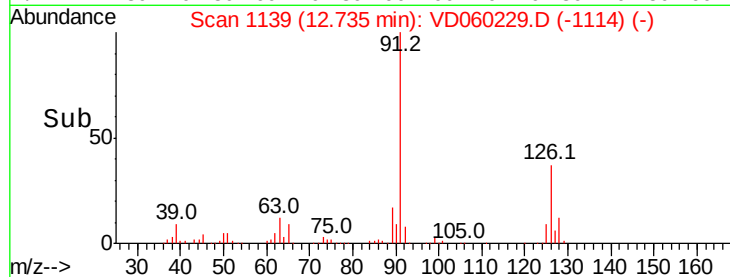
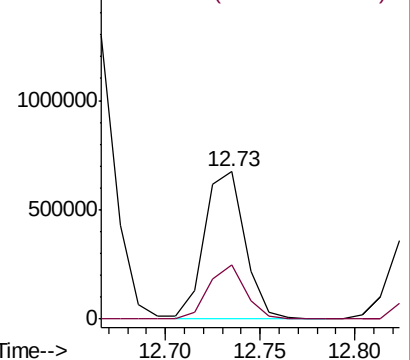
91 100

126 36.9 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: 24.033 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.03 min

Lab File: VD060229.D

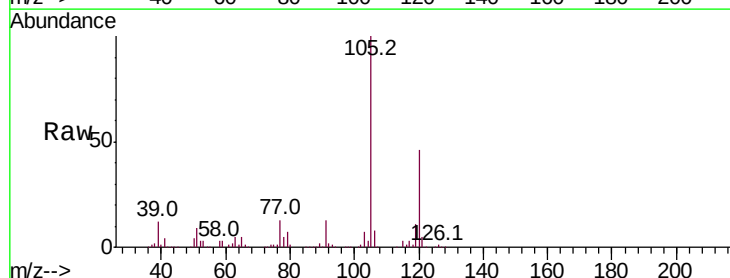
Acq: 29 Oct 2018 15:17

Tgt Ion:105 Resp: 1153731

Ion Ratio Lower Upper

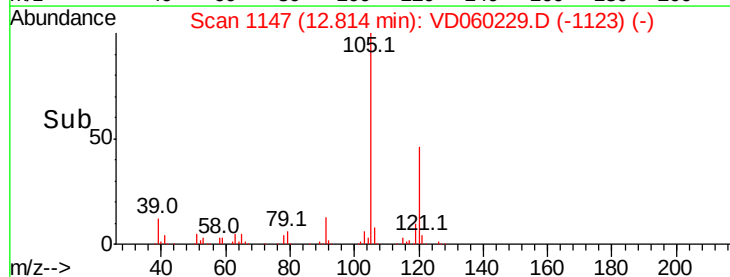
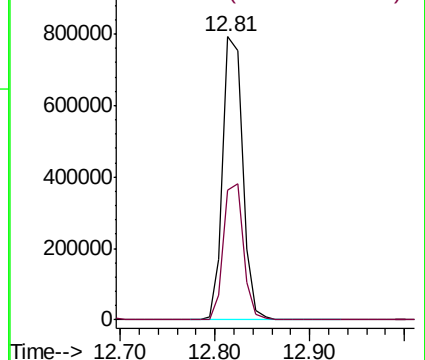
105 100

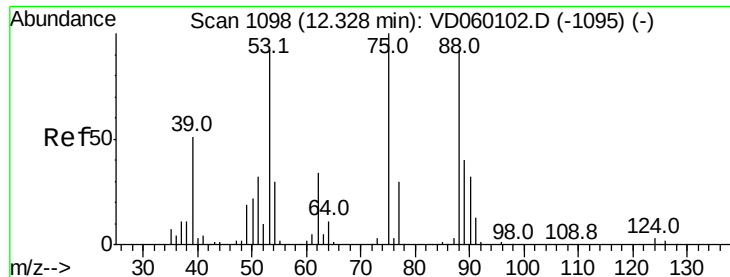
120 45.9 23.7 71.1



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: 21.787 ug/l

RT: 12.37 min Scan# 1102

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

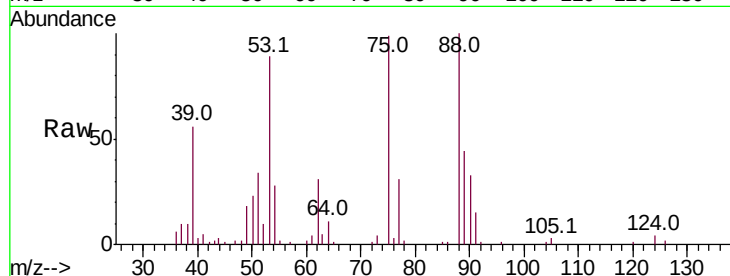
Tot Ion: 75 Resp: 82888

Ion Ratio Lower Upper

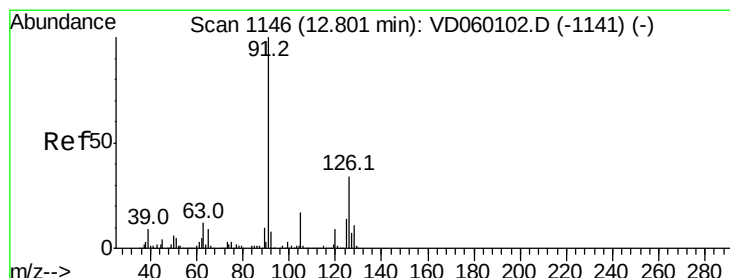
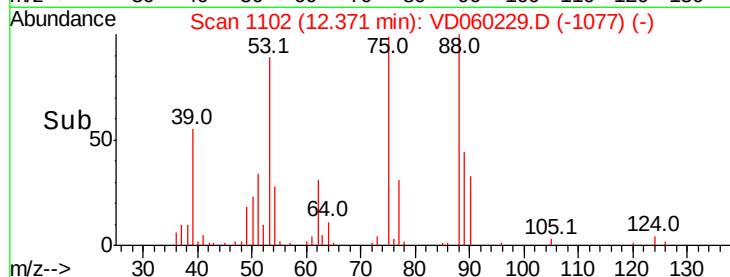
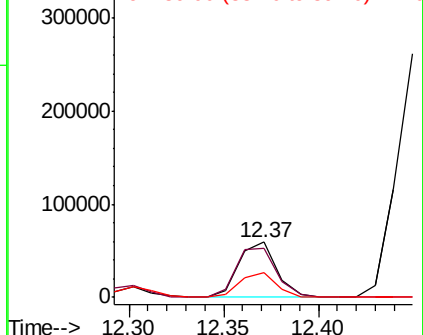
75 100

53 89.8 73.0 109.6

89 44.6 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: 23.867 ug/l

RT: 12.83 min Scan# 1149

Delta R.T. 0.03 min

Lab File: VD060229.D

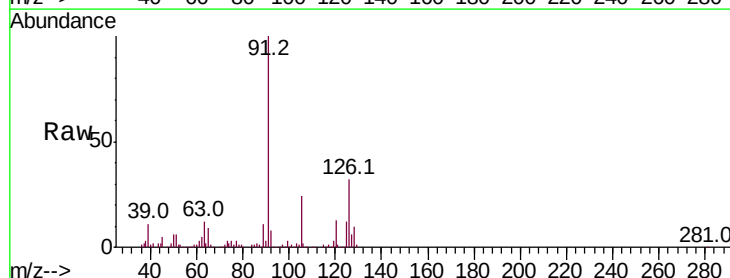
Acq: 29 Oct 2018 15:17

Tgt Ion: 91 Resp: 1153917

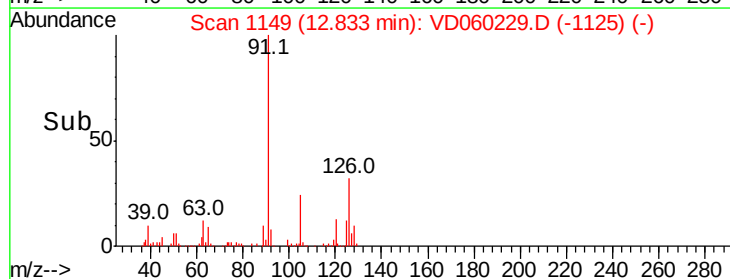
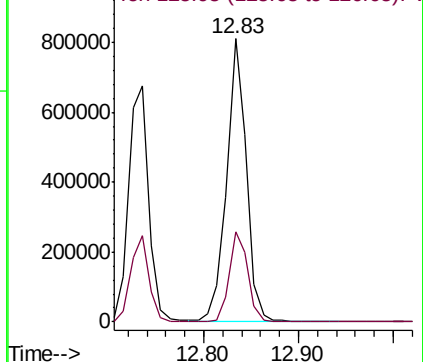
Ion Ratio Lower Upper

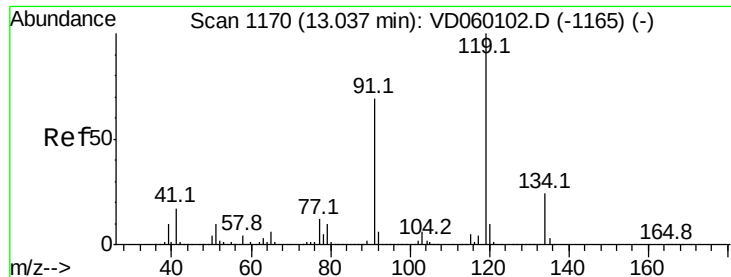
91 100

126 31.7 17.1 51.2



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

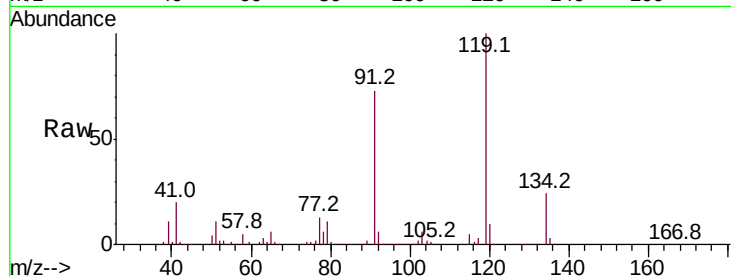




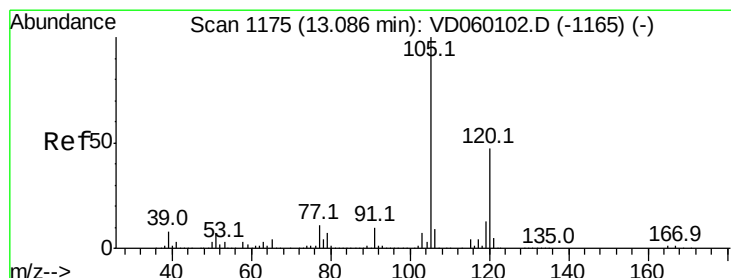
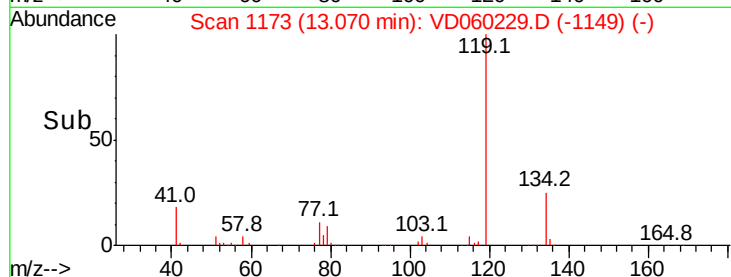
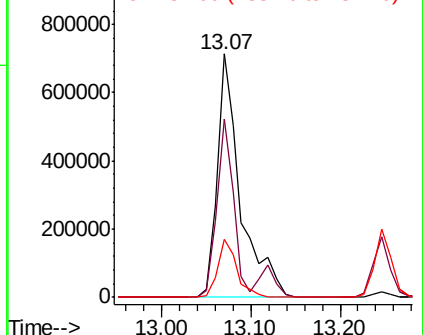
#83
 tert-Butylbenzene
 Concen: 23.463 ug/l
 RT: 13.07 min Scan# 1173
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:119 Resp: 1292525
 Ion Ratio Lower Upper
 119 100
 91 73.1 34.8 104.4
 134 23.9 11.8 35.4

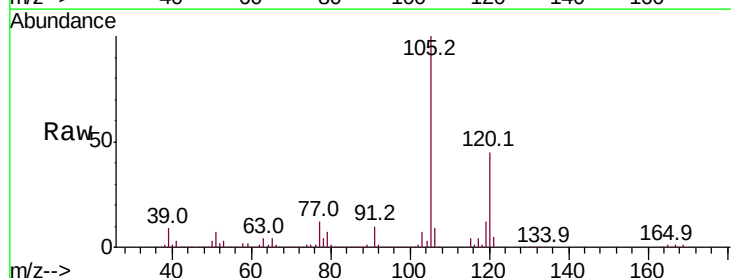


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

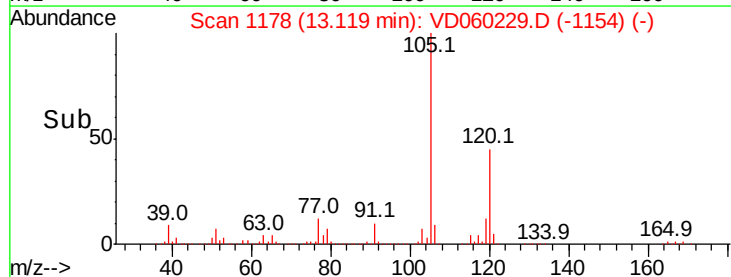
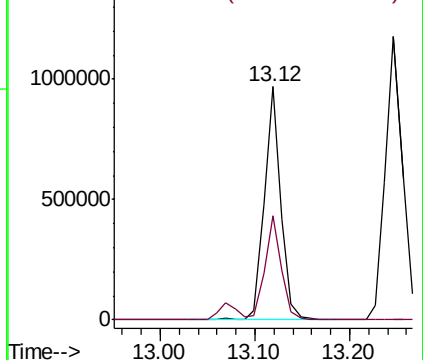


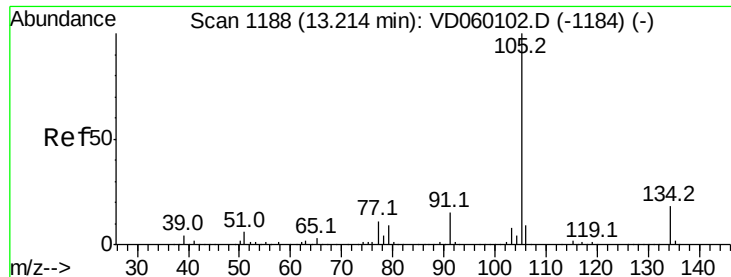
#84
 1,2,4-Trimethylbenzene
 Concen: 23.410 ug/l
 RT: 13.12 min Scan# 1178
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion:105 Resp: 1184417
 Ion Ratio Lower Upper
 105 100
 120 44.6 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: 23.037 ug/l

RT: 13.25 min Scan# 1191

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

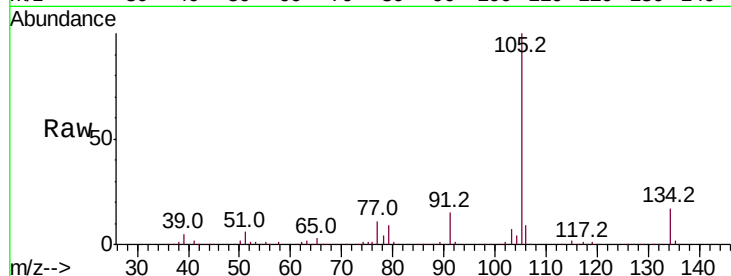
ClientSampleId :

Tot Ion:105 Resp: 1500538

Ion Ratio Lower Upper

105 100

134 17.0 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.25

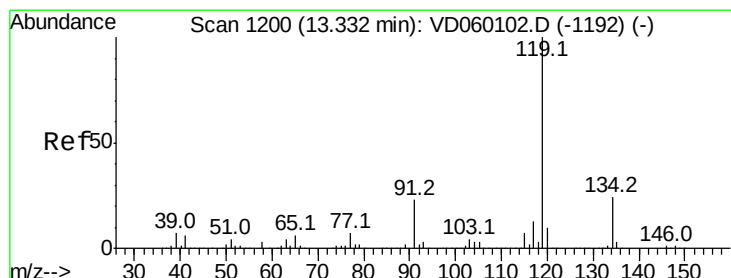
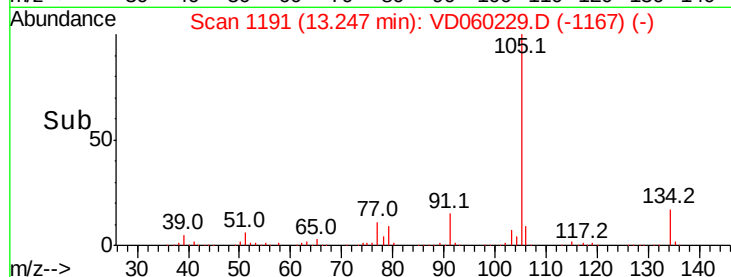
1000000

500000

0

Time-->

13.20 13.30



#86

p-Isopropyltoluene

Concen: 23.526 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

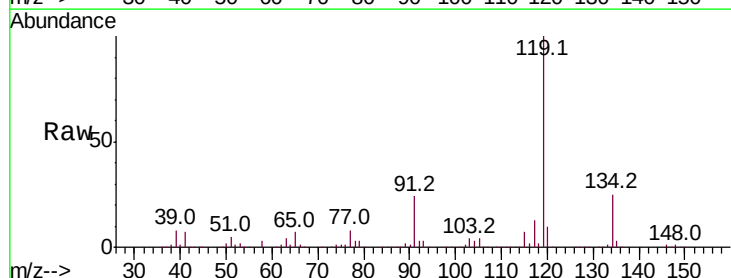
Tgt Ion:119 Resp: 1256870

Ion Ratio Lower Upper

119 100

134 24.9 12.3 36.8

91 24.2 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

13.36

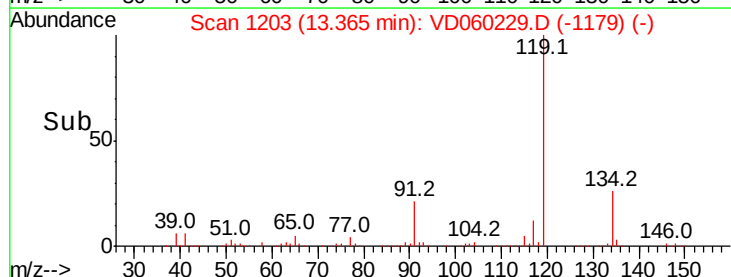
1000000

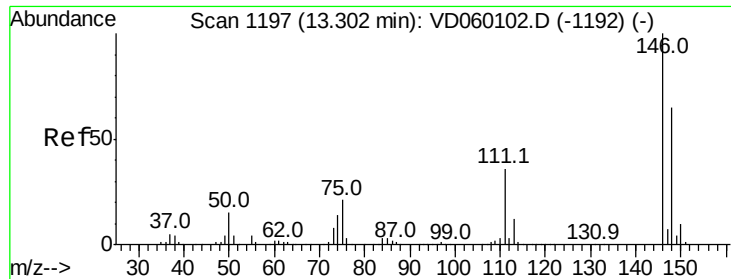
500000

0

Time-->

13.20 13.30 13.40 13.50

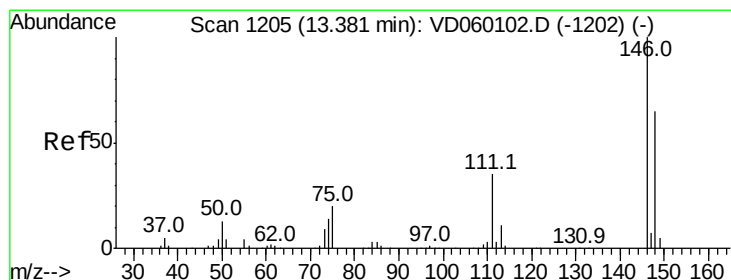
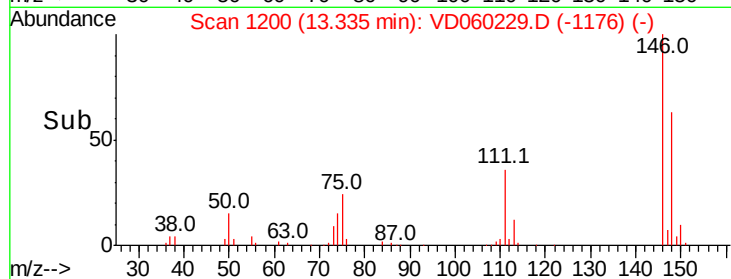
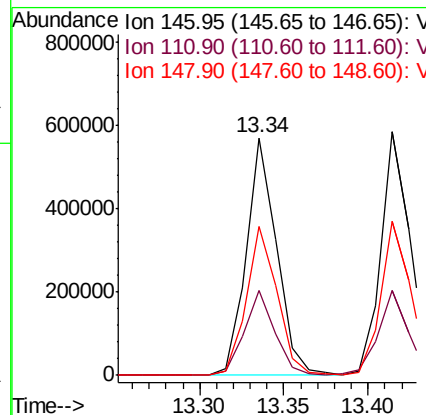
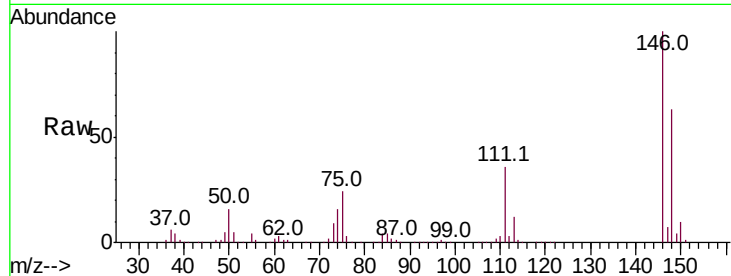




#87
 1,3-Dichlorobenzene
 Concen: 22.807 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

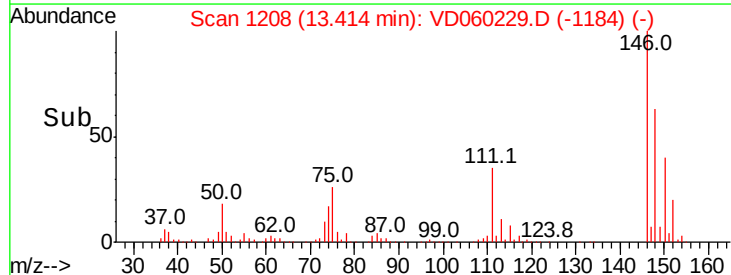
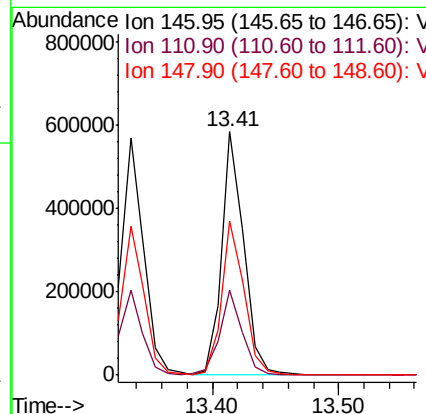
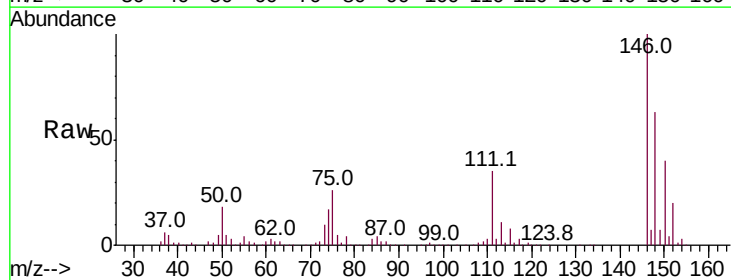
Instrument :
 BNA_F
 ClientSampleId :

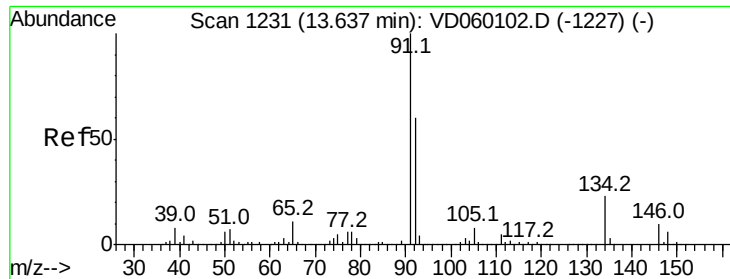
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.3
148	62.7	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 22.530 ug/l
 RT: 13.41 min Scan# 1208
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.8	53.3
148	63.1	32.4	97.2

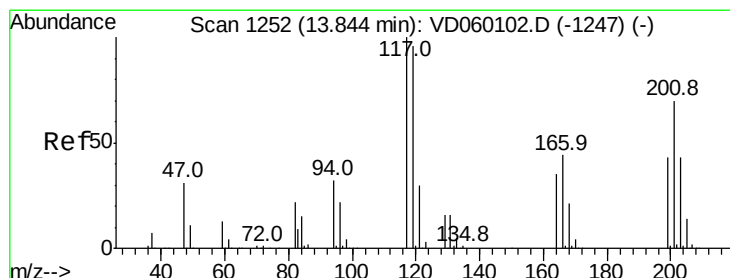
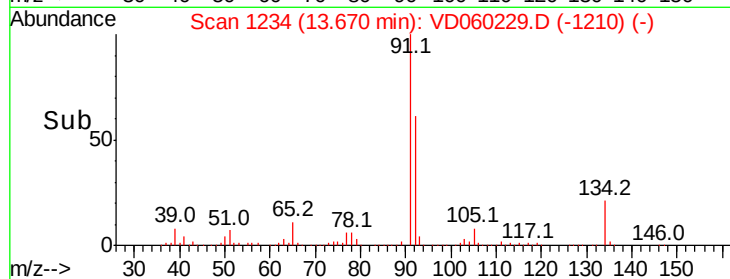
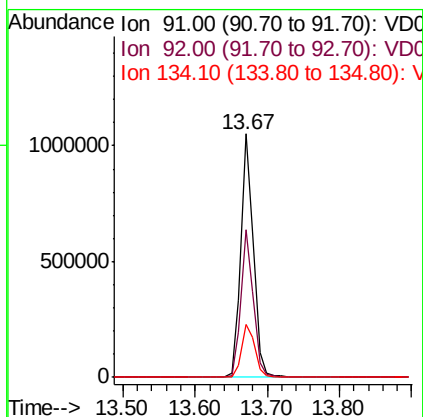
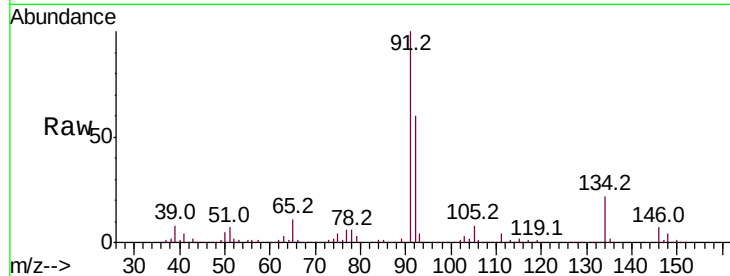




#89
n-Butylbenzene
Concen: 24.955 ug/l
RT: 13.67 min Scan# 1234
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

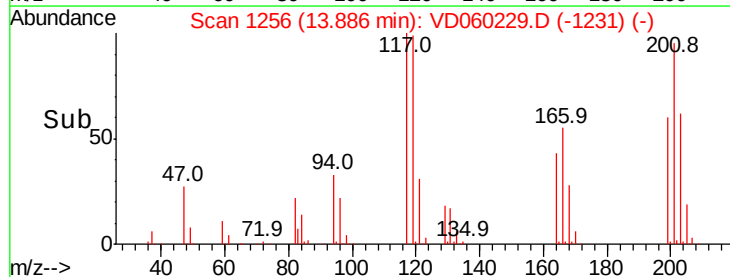
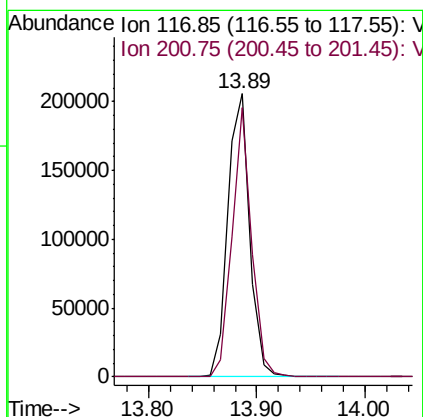
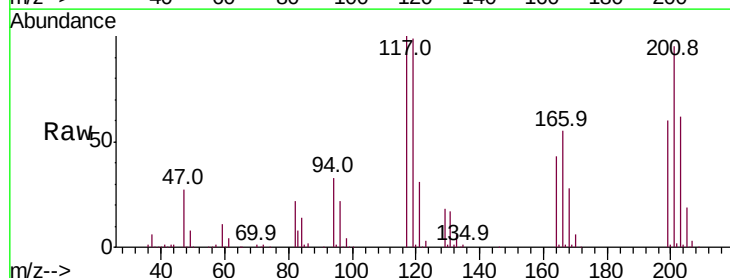
Instrument :
BNA_F
ClientSampled :

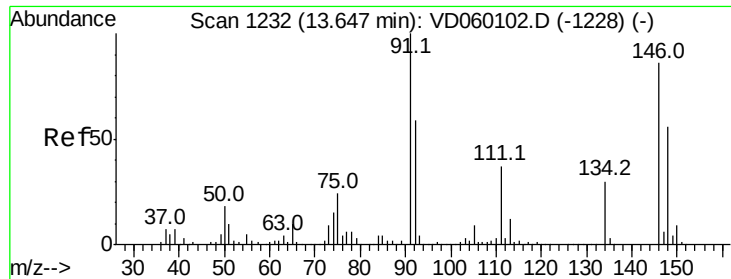
Tot Ion: 91 Resp: 1300853
Ion Ratio Lower Upper
91 100
92 60.5 30.1 90.3
134 21.5 11.6 34.7



#90
Hexachloroethane
Concen: 23.459 ug/l
RT: 13.89 min Scan# 1256
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 117 Resp: 290056
Ion Ratio Lower Upper
117 100
201 95.1 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 23.380 ug/l

RT: 13.69 min Scan# 1236

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

BNA_F

ClientSampleId :

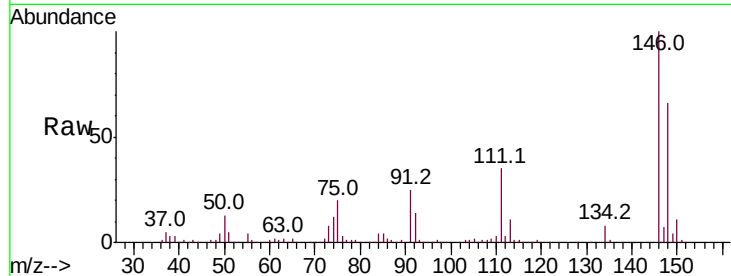
Tot Ion:146 Resp: 617339

Ion Ratio Lower Upper

146 100

111 35.1 21.4 64.3

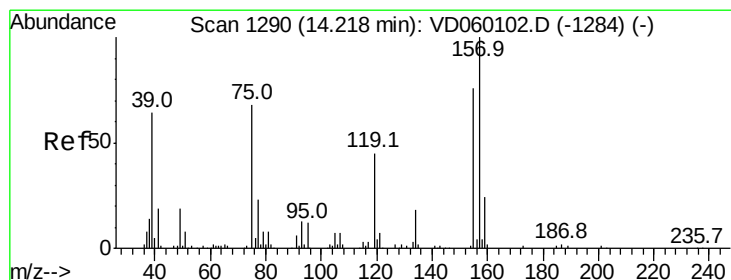
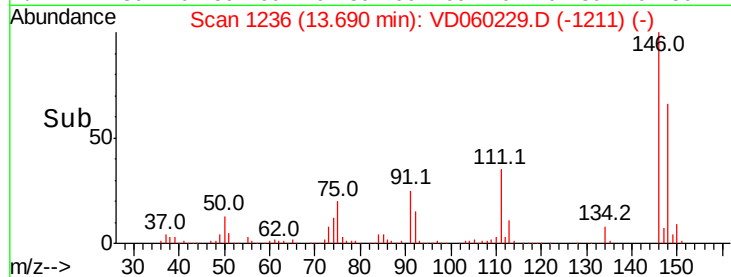
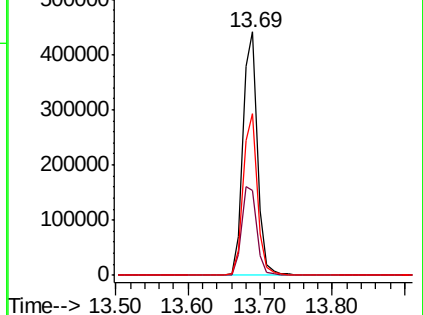
148 66.3 32.2 96.6



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: 22.262 ug/l

RT: 14.25 min Scan# 1293

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

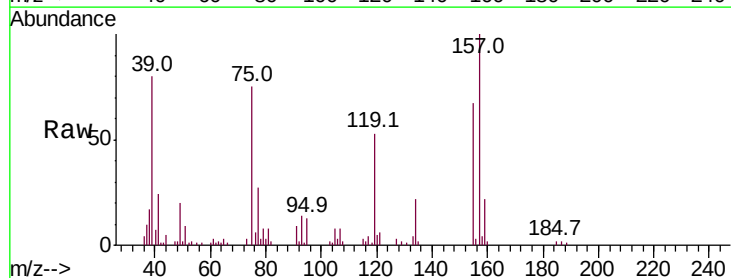
Tgt Ion: 75 Resp: 40250

Ion Ratio Lower Upper

75 100

155 88.9 55.9 167.7

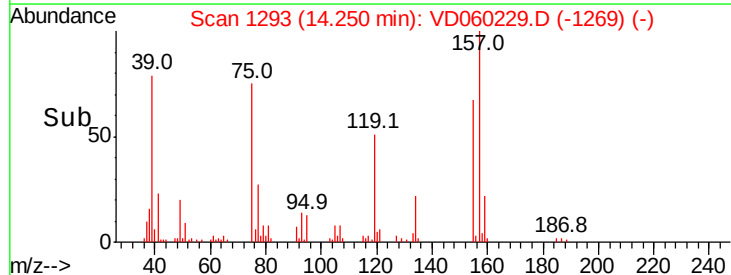
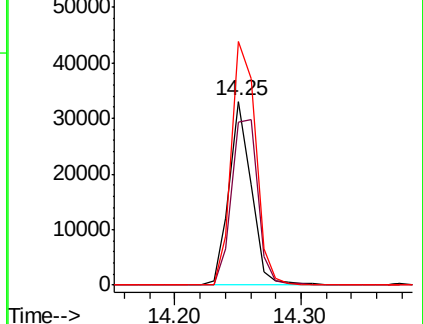
157 132.6 73.3 219.8

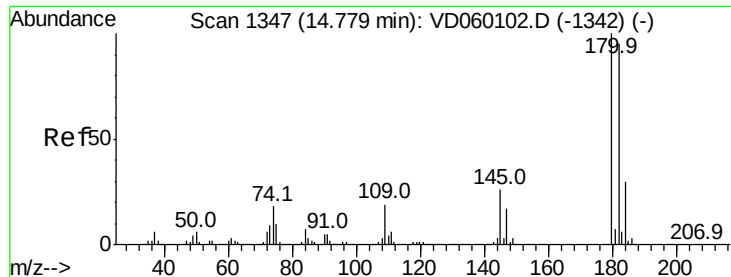


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

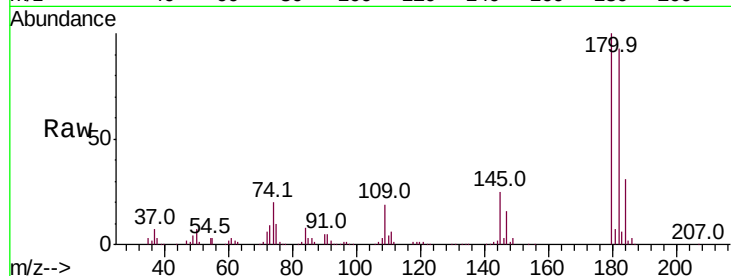




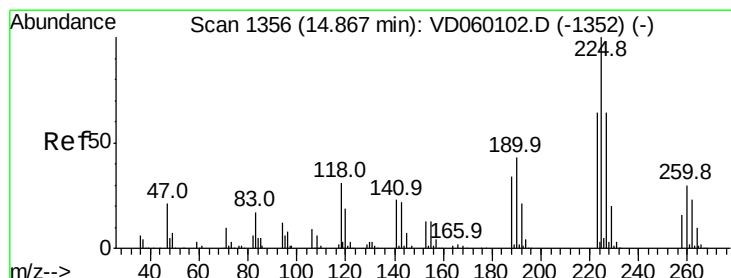
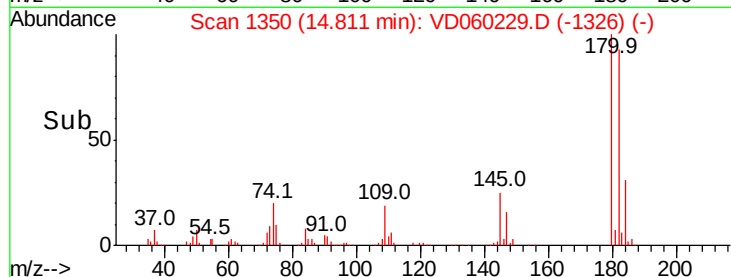
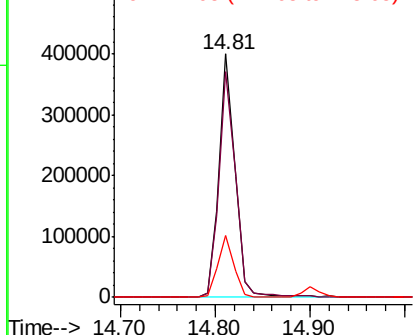
#93
 1,2,4-Trichlorobenzene
 Concen: 21.175 ug/l
 RT: 14.81 min Scan# 1350
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:180 Resp: 474578
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.3 141.8
 145 25.4 13.0 38.9

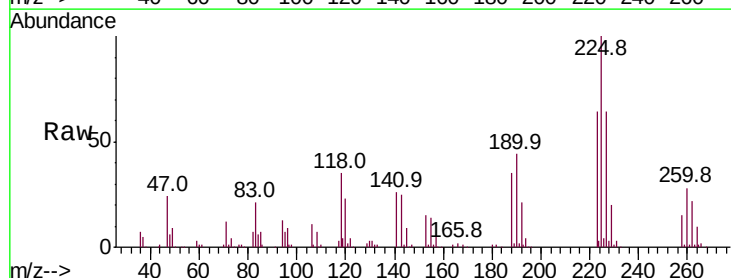


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

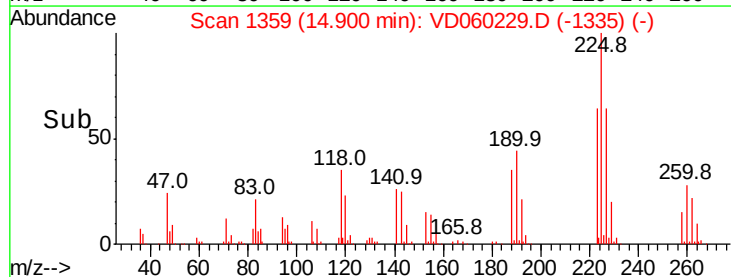
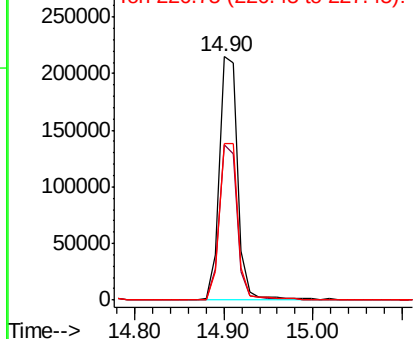


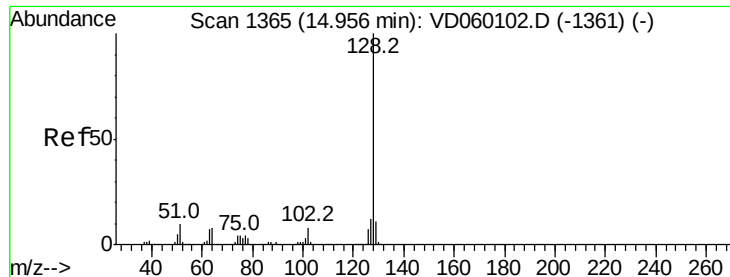
#94
 Hexachlorobutadiene
 Concen: 21.095 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion:225 Resp: 314268
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.8 95.4
 227 64.2 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

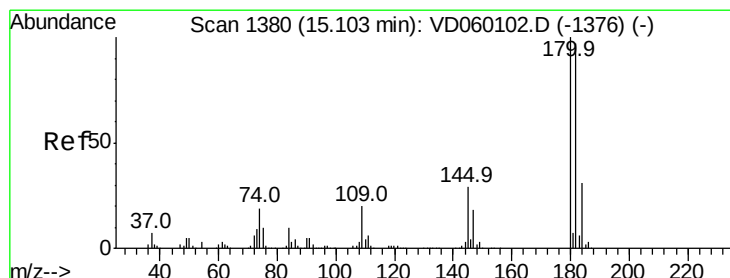
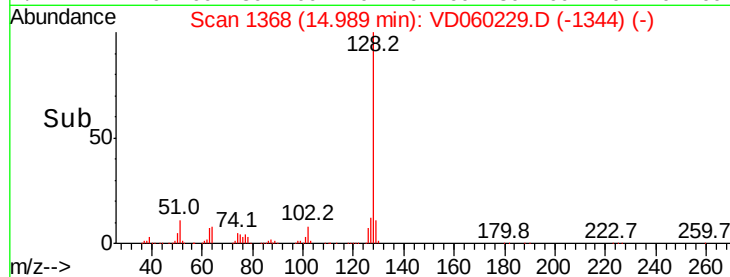
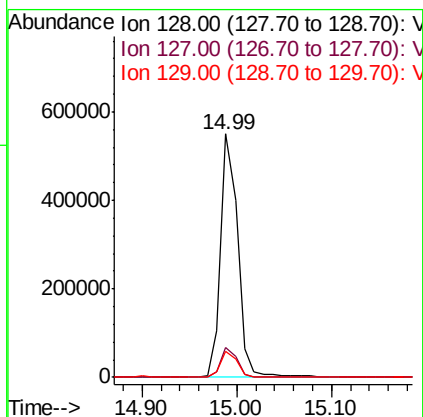
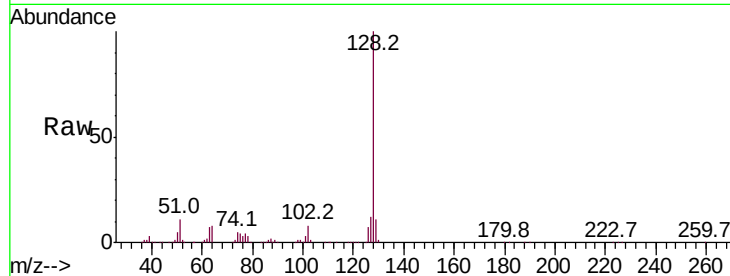




#95
Naphthalene
Concen: 20.656 ug/l
RT: 14.99 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 686217
Ion Ratio Lower Upper
128 100
127 12.2 9.9 14.9
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.293 ug/l
RT: 15.14 min Scan# 1383
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:180 Resp: 395633
Ion Ratio Lower Upper
180 100
182 95.3 48.4 145.0
145 28.8 14.5 43.6

