

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059829.D
 Acq On : 20 Aug 2018 13:55
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 21 02:31:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	971727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1411659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1138136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	518537	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	550453	70.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.46%	
35) Dibromofluoromethane	5.50	113	756992	71.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.80%	
50) Toluene-d8	8.67	98	1991850	69.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.76%	
62) 4-Bromofluorobenzene	11.90	95	784377	70.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	574279	68.800	ug/l	99
3) Chloromethane	1.45	50	471412	68.107	ug/l	97
4) Vinyl Chloride	1.53	62	390496	69.615	ug/l	99
5) Bromomethane	1.76	94	53787	71.146	ug/l	93
6) Chloroethane	1.85	64	101919	72.609	ug/l	95
7) Trichlorofluoromethane	2.05	101	415947	70.991	ug/l	97
8) Diethyl Ether	2.31	74	92388	71.660	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.52	101	254015	69.231	ug/l	97
10) Methyl Iodide	2.65	142	306435	80.782	ug/l	94
11) Tert butyl alcohol	3.21	59	104620	357.651	ug/l	100
12) 1,1-Dichloroethene	2.51	96	199144	69.399	ug/l	95
13) Acrolein	2.44	56	110446	400.651	ug/l	92
14) Allyl chloride	2.88	41	523039	68.755	ug/l	99
15) Acrylonitrile	3.32	53	434551	328.958	ug/l	94
16) Acetone	2.57	43	515319	390.338	ug/l	96
17) Carbon Disulfide	2.72	76	692409	72.078	ug/l	99
18) Methyl Acetate	2.90	43	196547	68.230	ug/l	98
19) Methyl tert-butyl Ether	3.36	73	1130440	67.174	ug/l	99
20) Methylene Chloride	3.03	84	226523	50.630	ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	533892	66.535	ug/l	98
22) Diisopropyl ether	4.02	45	2670068	68.193	ug/l	95
23) Vinyl Acetate	3.96	43	7230101	341.911	ug/l	100
24) 1,1-Dichloroethane	3.92	63	1192335	69.658	ug/l	100
25) 2-Butanone	4.78	43	1500775	378.575	ug/l	99
26) 2,2-Dichloropropane	4.74	77	887313	65.338	ug/l	98
27) cis-1,2-Dichloroethene	4.75	96	711774	68.937	ug/l	98
28) Bromochloromethane	5.09	49	617573	70.386	ug/l	100
29) Tetrahydrofuran	5.13	42	686861	345.452	ug/l	100
30) Chloroform	5.27	83	1171127	69.466	ug/l	99
31) Cyclohexane	5.55	56	1015872	64.943	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	969192	68.102	ug/l	100
36) 1,1-Dichloropropene	5.69	75	820947	67.603	ug/l	99
37) Ethyl Acetate	4.88	43	602755	68.211	ug/l	99
38) Carbon Tetrachloride	5.67	117	813112	67.343	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	913135	70.738	ug/l	99
40) Benzene	5.97	78	2130262	67.948	ug/l	99
41) Methacrylonitrile	5.07	41	325385	71.509	ug/l	98
42) 1,2-Dichloroethane	6.08	62	687641	68.299	ug/l	98
43) Isopropyl Acetate	7.57	43	813092	67.066	ug/l	99
44) Trichloroethene	6.93	130	652130	70.585	ug/l	100
45) 1,2-Dichloropropane	7.30	63	625015	68.774	ug/l	99
46) Dibromomethane	7.42	93	396172	70.154	ug/l	96
47) Bromodichloromethane	7.70	83	868376	69.297	ug/l	99
48) Methyl methacrylate	7.46	41	477174	70.375	ug/l	97
49) 1,4-Dioxane	7.45	88	79965	1415.666	ug/l	93
51) 4-Methyl-2-Pentanone	8.56	43	3130904	375.484	ug/l	100
52) Toluene	8.76	92	1358558	68.303	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	802661	70.334	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	944120	68.914	ug/l	99
55) 1,1,2-Trichloroethane	9.41	97	472872	66.791	ug/l	99
56) Ethyl methacrylate	9.28	69	566956	69.680	ug/l	99
57) 1,3-Dichloropropane	9.62	76	705752	68.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.14	63	1446030	346.034	ug/l	98
59) 2-Hexanone	9.75	43	2276244	370.629	ug/l	97
60) Dibromochloromethane	9.92	129	643404	70.703	ug/l	100
61) 1,2-Dibromoethane	10.05	107	527505	70.054	ug/l	100
64) Tetrachloroethene	9.47	164	581513	69.572	ug/l	99
65) Chlorobenzene	10.69	112	1529285	69.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.81	131	507174	66.327	ug/l	98
67) Ethyl Benzene	10.83	91	2334698	64.287	ug/l	100
68) m/p-Xylenes	10.98	106	1741719	130.929	ug/l	99
69) o-Xylene	11.37	106	859598	66.136	ug/l	99
70) Styrene	11.40	104	1472438	65.368	ug/l	100
71) Bromoform	11.57	173	478680	71.620	ug/l	98
73) Isopropylbenzene	11.75	105	2277814	64.401	ug/l	100
74) N-amyl acetate	11.62	43	1090031	69.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.05	83	559456	68.798	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	571675	67.466	ug/l	98
77) Bromobenzene	12.01	156	656391	66.846	ug/l	97
78) n-propylbenzene	12.13	91	2851425	64.166	ug/l	98
79) 2-Chlorotoluene	12.19	91	1672639	65.919	ug/l	100
80) 1,3,5-Trimethylbenzene	12.29	105	1614855	60.872	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.82	75	185801	70.889	ug/l	95
82) 4-Chlorotoluene	12.30	91	1552410	58.847	ug/l	99
83) tert-Butylbenzene	12.55	119	2022237	64.864	ug/l	99
84) 1,2,4-Trimethylbenzene	12.60	105	1841472	62.714	ug/l	100
85) sec-Butylbenzene	12.73	105	2367506	63.293	ug/l	100
86) p-Isopropyltoluene	12.86	119	1913469	65.168	ug/l	100
87) 1,3-Dichlorobenzene	12.82	146	1101030	66.499	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	1116217	67.005	ug/l	99
89) n-Butylbenzene	13.17	91	1712856	58.152	ug/l	99
90) Hexachloroethane	13.38	117	566171	68.263	ug/l	99
91) 1,2-Dichlorobenzene	13.16	146	809267	60.032	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.74	75	83896	69.640	ug/l	57

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ClientSampleId :
VSTDICC075

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Quant Title : SW846 8260
QLast Update : Tue Aug 21 02:29:07 2018
Response via : Initial Calibration

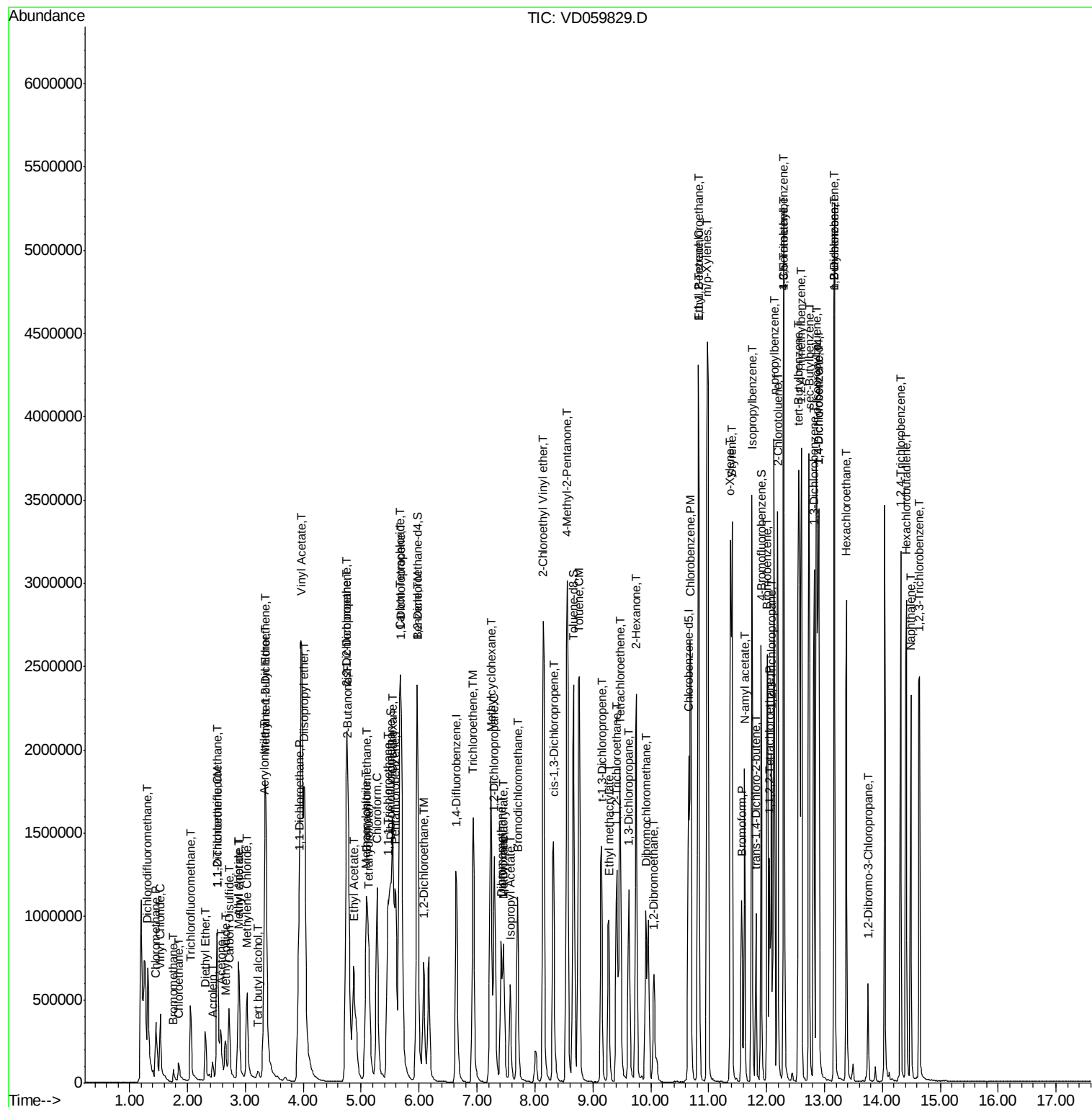
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	833946	69.320	ug/l	99
94) Hexachlorobutadiene	14.41	225	547587	68.501	ug/l	98
95) Naphthalene	14.49	128	1336896	69.655	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	728488	69.753	ug/l	98

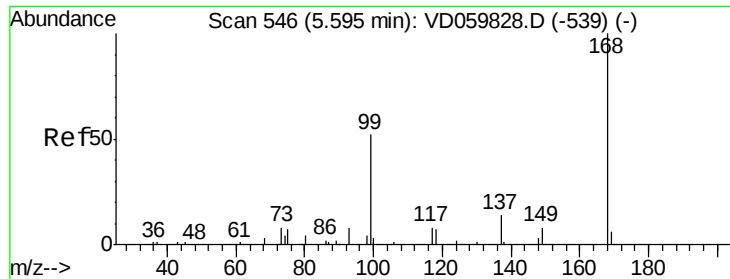
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059829.D
 Acq On : 20 Aug 2018 13:55
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 Quant Title : SW846 8260
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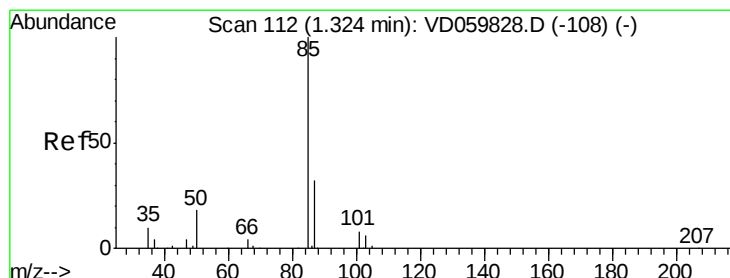
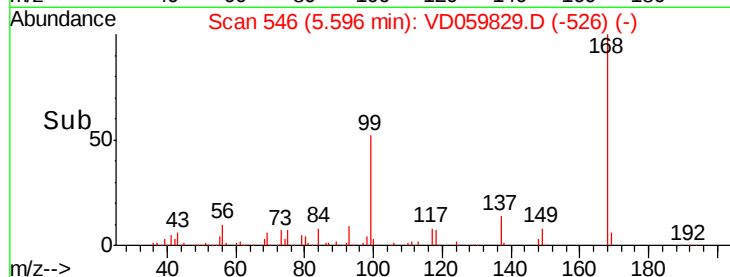
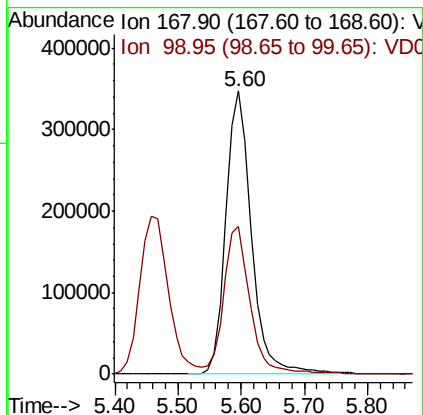
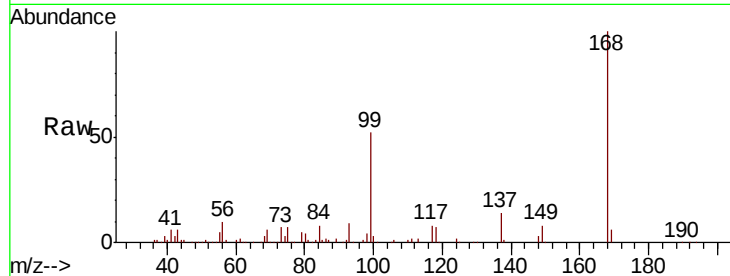


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
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 ClientSampleId :
 VSTDIC075

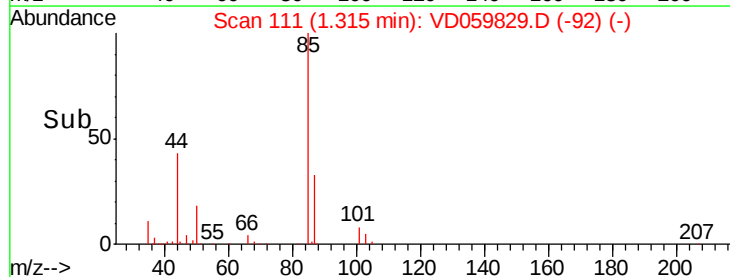
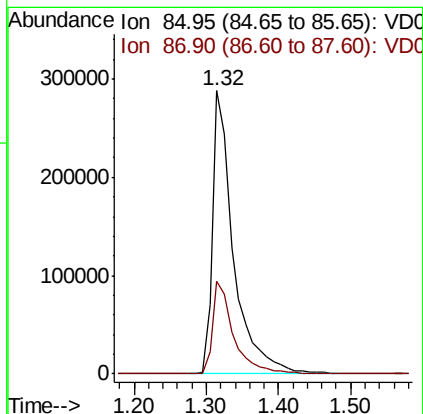
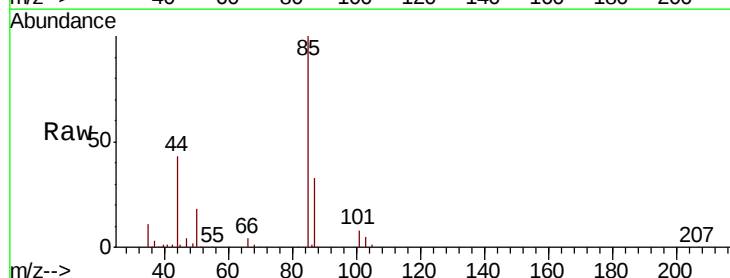
Tgt Ion: 168 Resp: 971727
 Ion Ratio Lower Upper
 168 100
 99 52.2 43.6 65.4

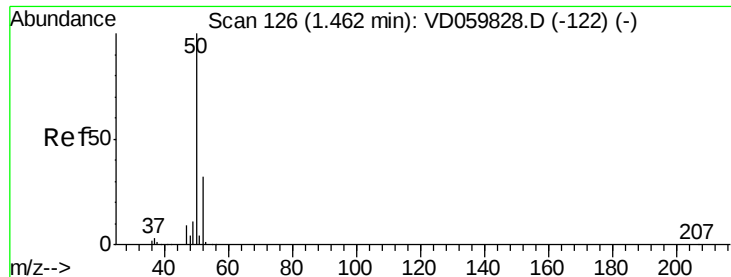


#2

Dichlorodifluoromethane
 Concen: 68.800 ug/l
 RT: 1.32 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 85 Resp: 574279
 Ion Ratio Lower Upper
 85 100
 87 32.6 16.1 48.3





#3

Chloromethane

Concen: 68.107 ug/l

RT: 1.45 min Scan# 125

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

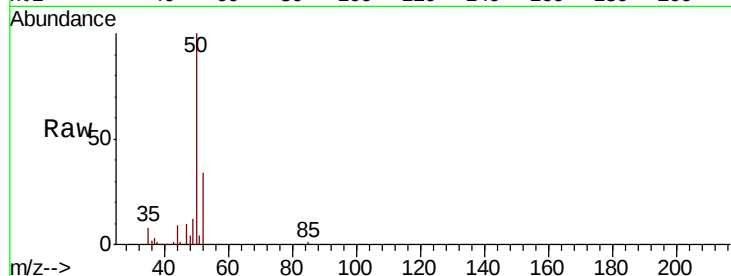
VSTDIC075

Tgt Ion: 50 Resp: 471412

Ion Ratio Lower Upper

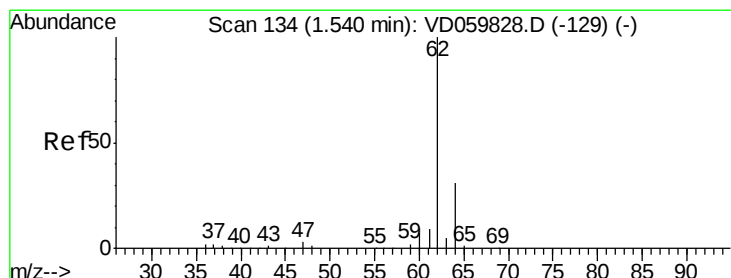
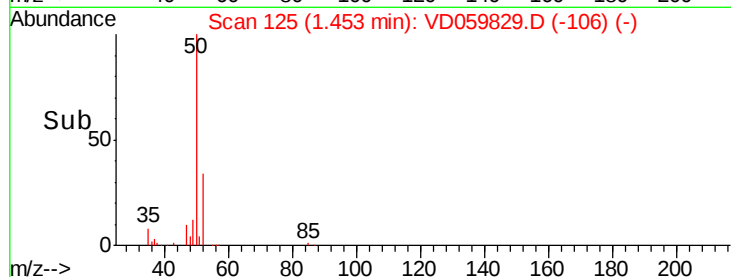
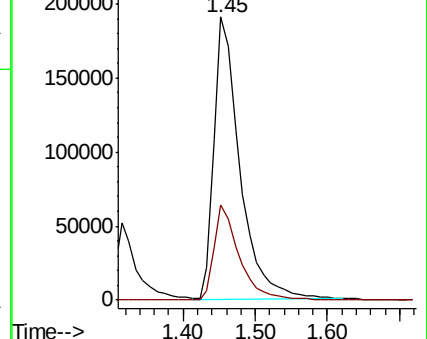
50 100

52 33.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 69.615 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059829.D

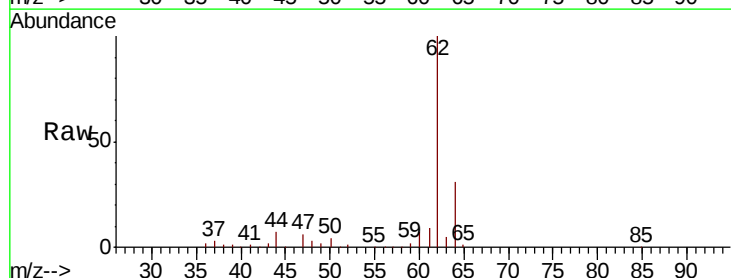
Acq: 20 Aug 2018 13:55

Tgt Ion: 62 Resp: 390496

Ion Ratio Lower Upper

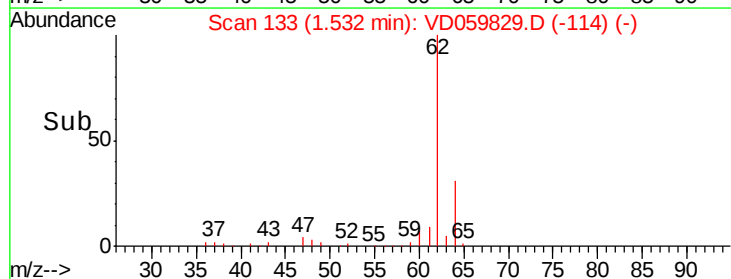
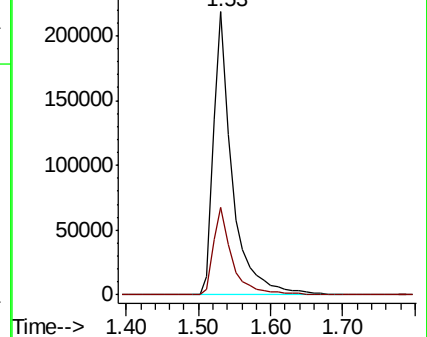
62 100

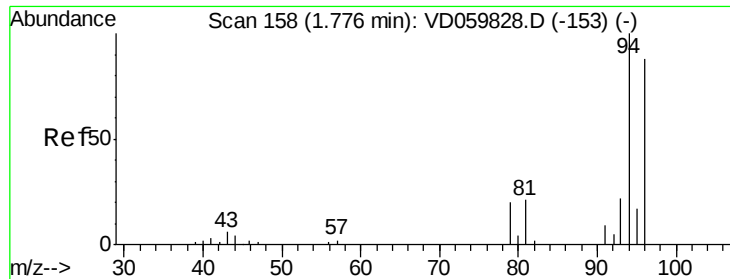
64 31.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 71.146 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.02 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

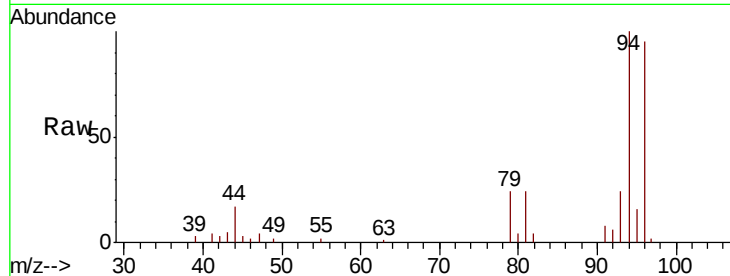
VSTDIC075

Tgt Ion: 94 Resp: 53787

Ion Ratio Lower Upper

94 100

96 95.1 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.76

25000

20000

15000

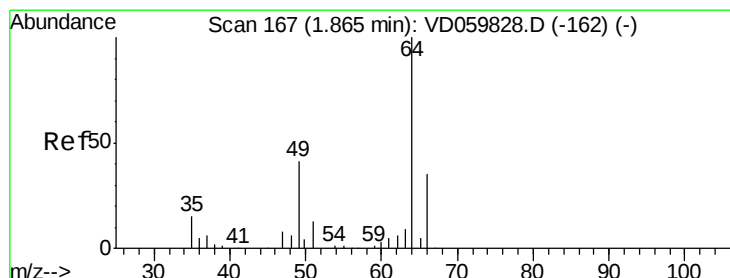
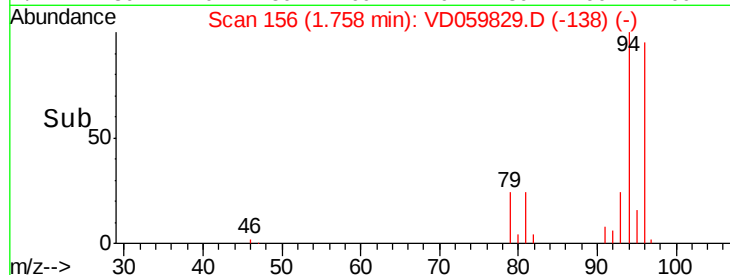
10000

5000

0

Time-->

1.70 1.80 1.90 2.00



#6

Chloroethane

Concen: 72.609 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD059829.D

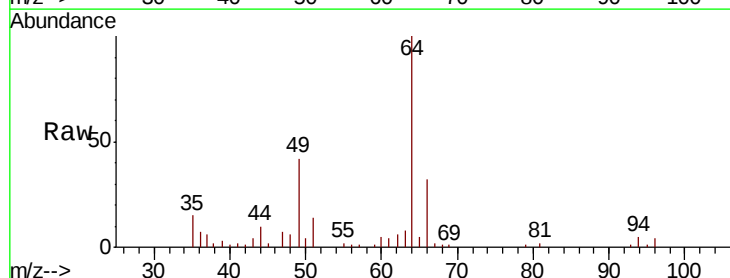
Acq: 20 Aug 2018 13:55

Tgt Ion: 64 Resp: 101919

Ion Ratio Lower Upper

64 100

66 31.9 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.85

40000

30000

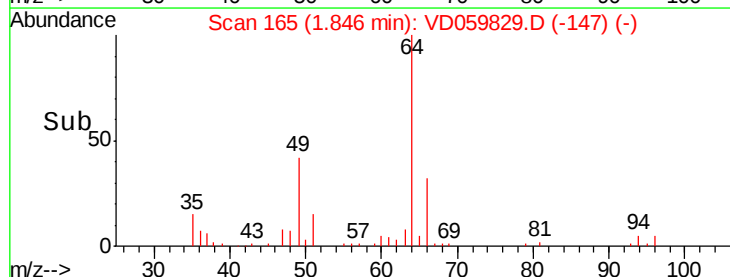
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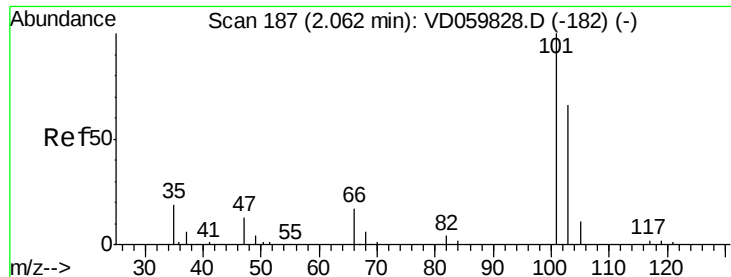
10000

0

Time-->

1.70 1.80 1.90 2.00 2.10



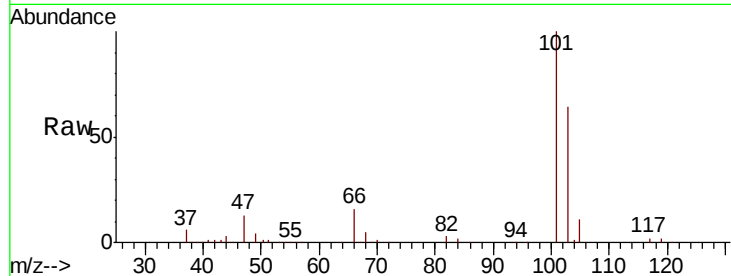


#7

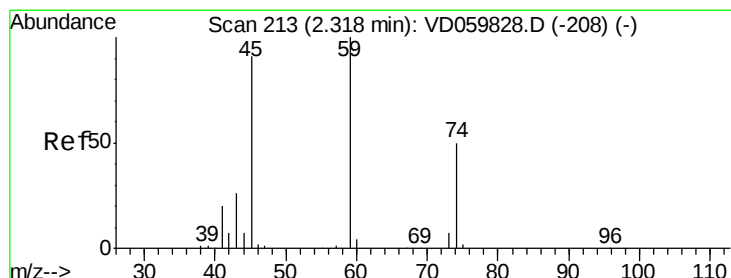
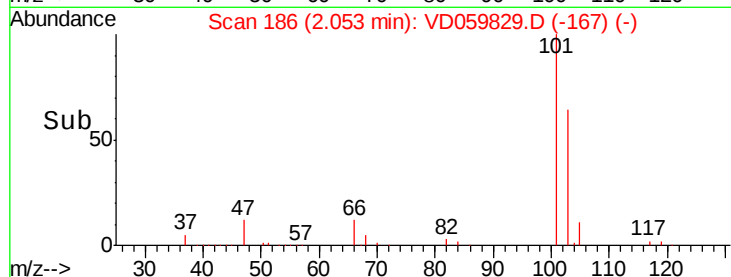
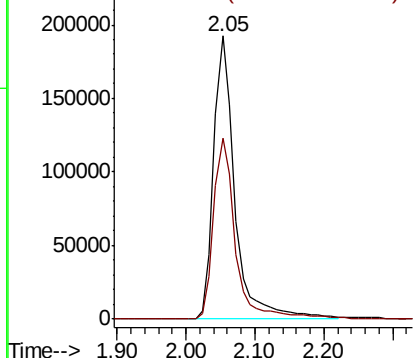
Trichlorofluoromethane
Concen: 70.991 ug/l
RT: 2.05 min Scan# 186
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:101 Resp: 415947
Ion Ratio Lower Upper
101 100
103 63.8 53.0 79.4



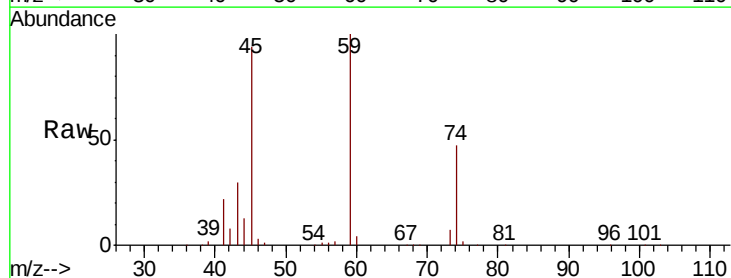
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



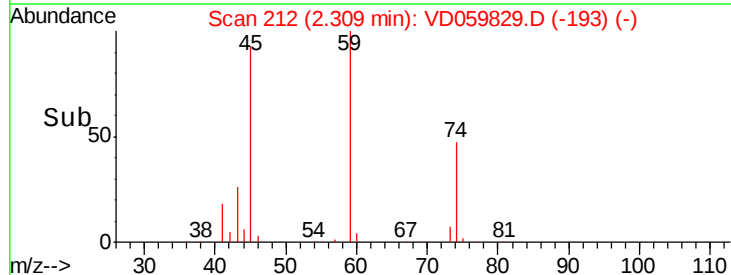
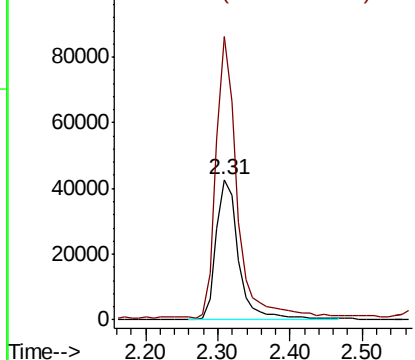
#8

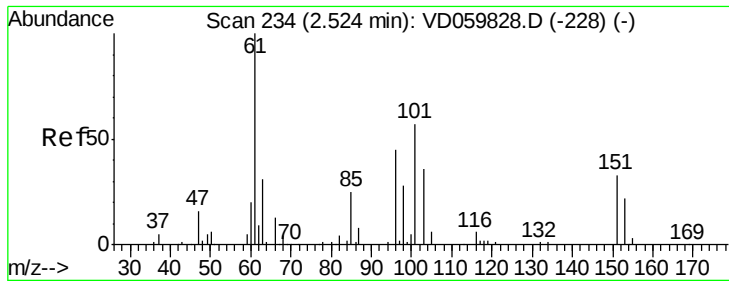
Diethyl Ether
Concen: 71.660 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 74 Resp: 92388
Ion Ratio Lower Upper
74 100
45 201.4 90.6 271.9



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: 69.231 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

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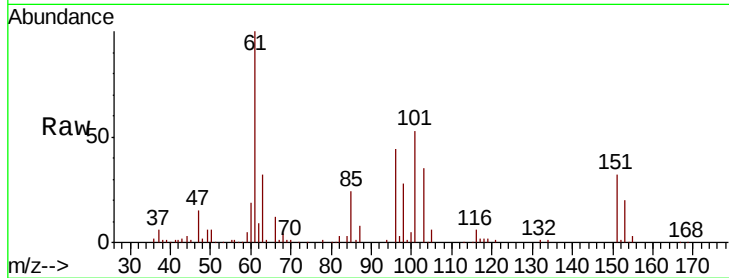
Tgt Ion:101 Resp: 254015

Ion Ratio Lower Upper

101 100

85 45.5 35.7 53.5

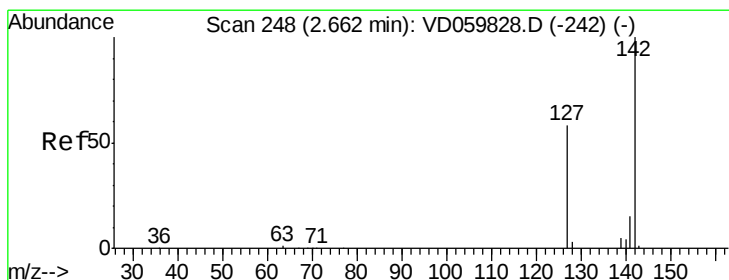
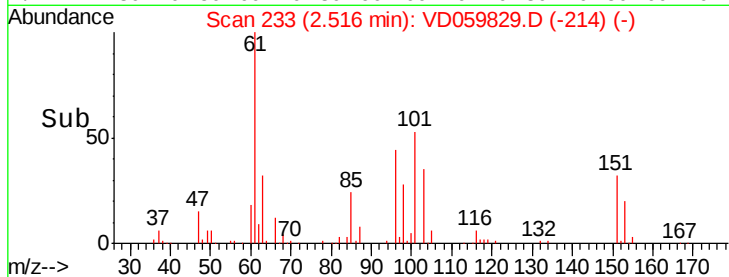
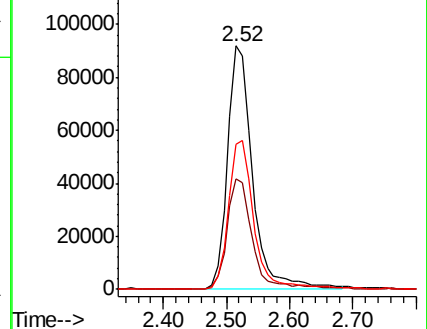
151 59.7 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 80.782 ug/l

RT: 2.65 min Scan# 247

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

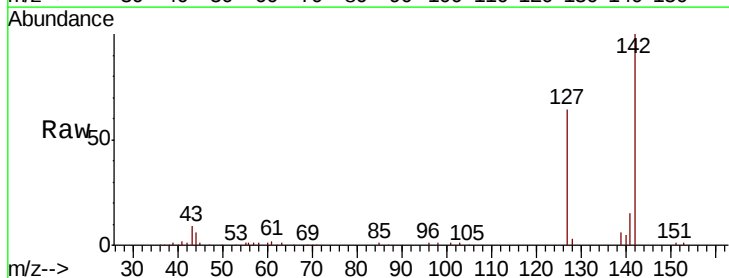
Tgt Ion:142 Resp: 306435

Ion Ratio Lower Upper

142 100

127 63.5 46.6 69.8

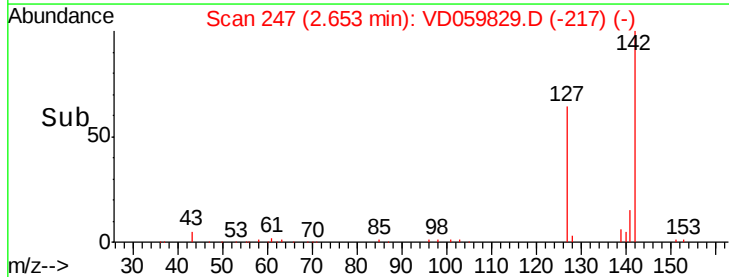
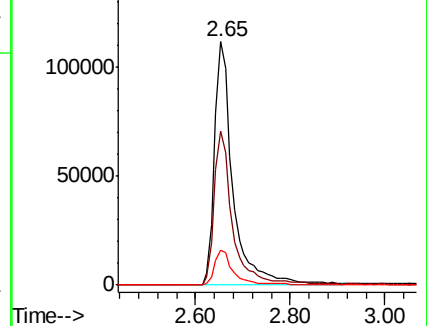
141 14.5 11.7 17.5

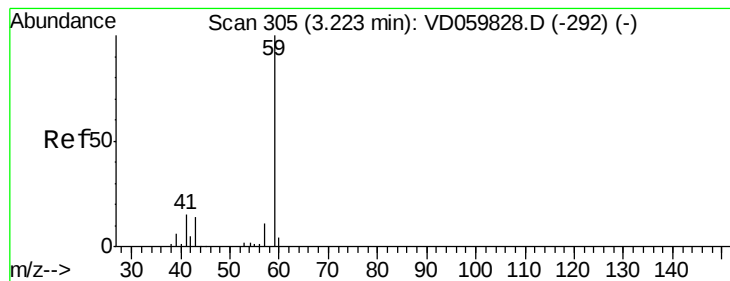


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 357.651 ug/l

RT: 3.21 min Scan# 304

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

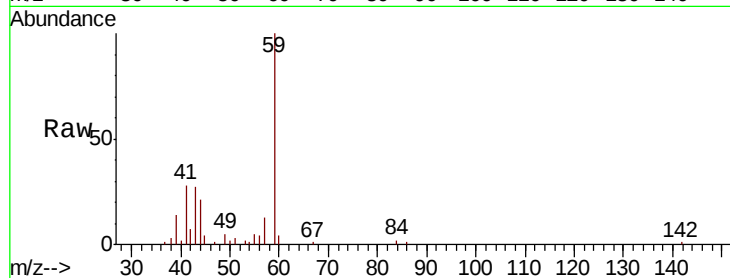
VSTDIC075

Tgt Ion: 59 Resp: 104620

Ion Ratio Lower Upper

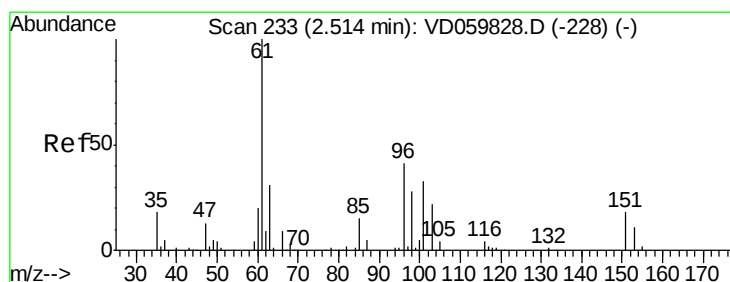
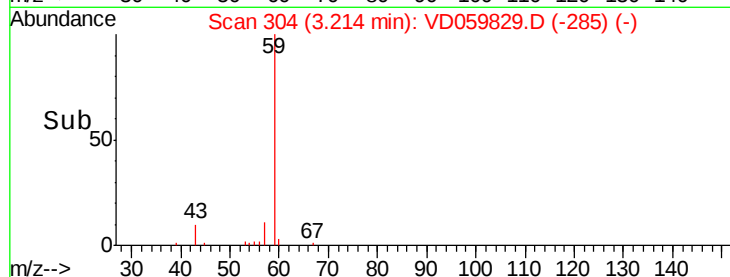
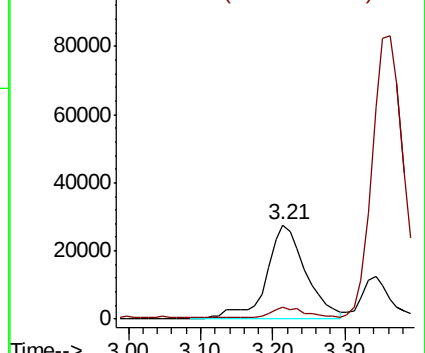
59 100

57 13.0 10.3 15.5



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 69.399 ug/l

RT: 2.51 min Scan# 232

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

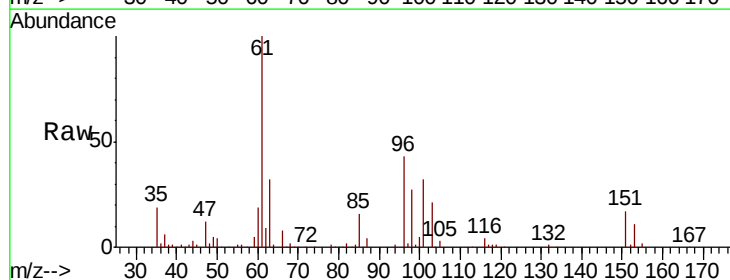
Tgt Ion: 96 Resp: 199144

Ion Ratio Lower Upper

96 100

61 233.6 194.0 291.0

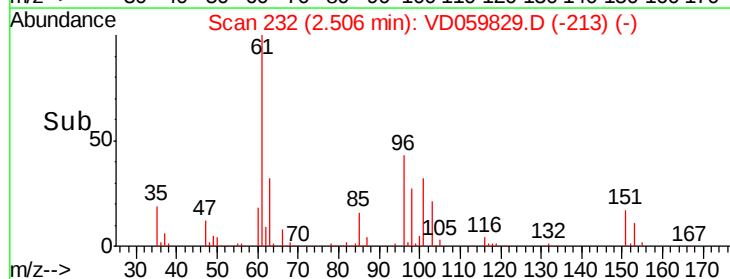
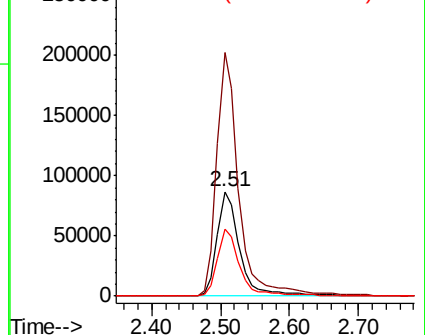
98 63.7 53.4 80.0

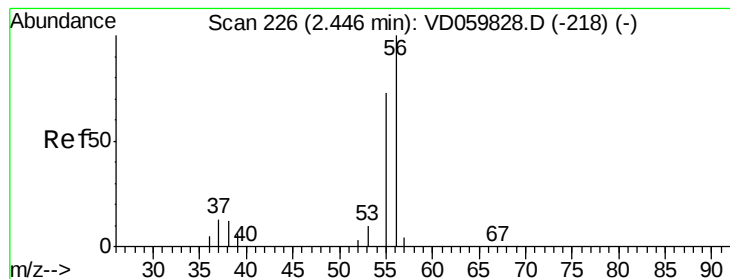


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 400.651 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

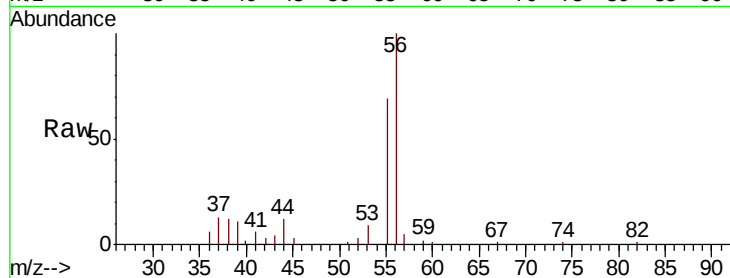
VSTDIC075

Tgt Ion: 56 Resp: 110446

Ion Ratio Lower Upper

56 100

55 68.6 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

50000

40000

30000

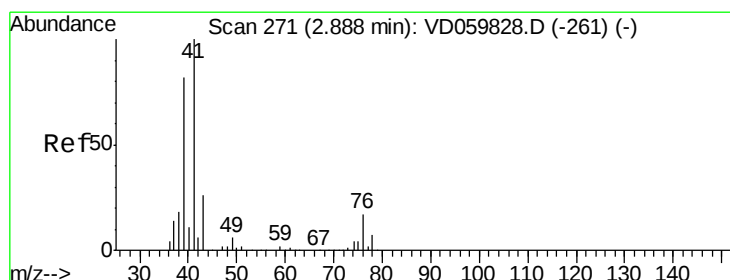
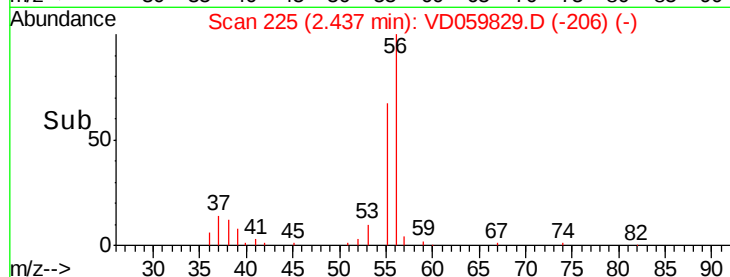
20000

10000

0

Time-->

2.30 2.40 2.50 2.60



#14

Allyl chloride

Concen: 68.755 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

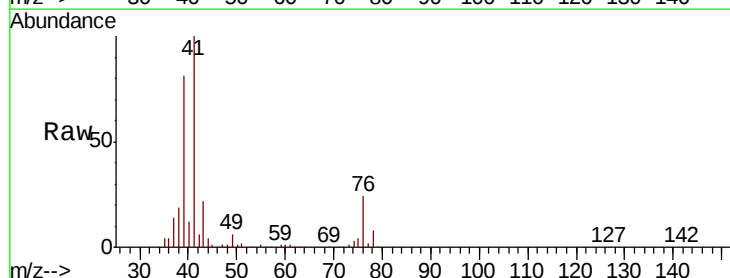
Tgt Ion: 41 Resp: 523039

Ion Ratio Lower Upper

41 100

39 81.5 65.9 98.9

76 24.2 19.9 29.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

300000

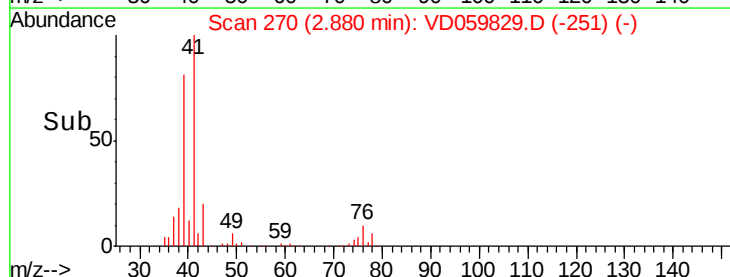
200000

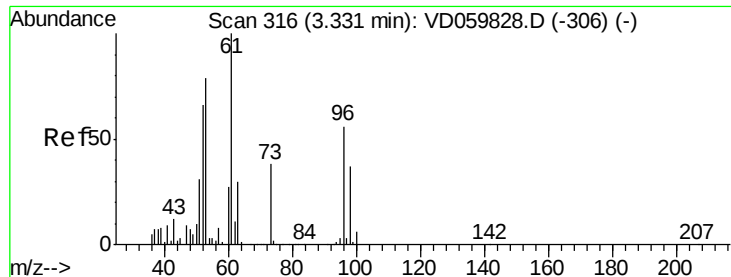
100000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 328.958 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

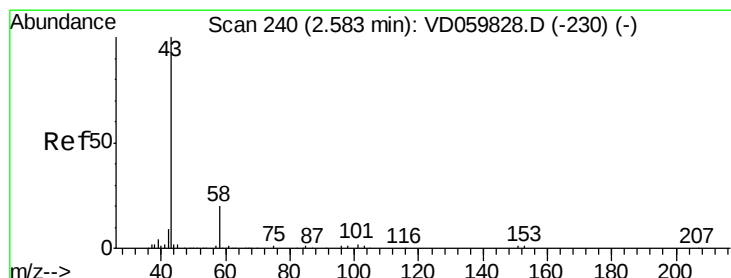
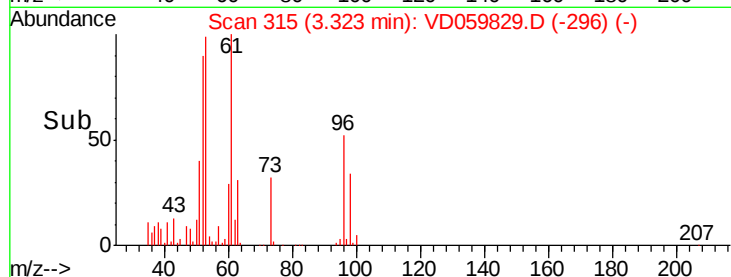
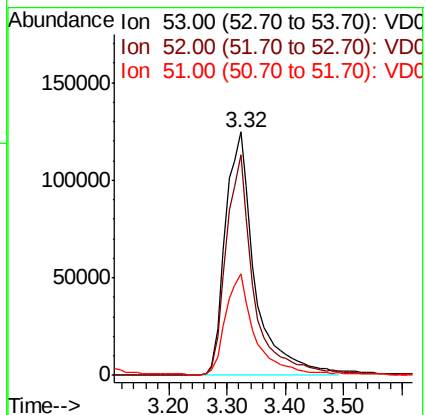
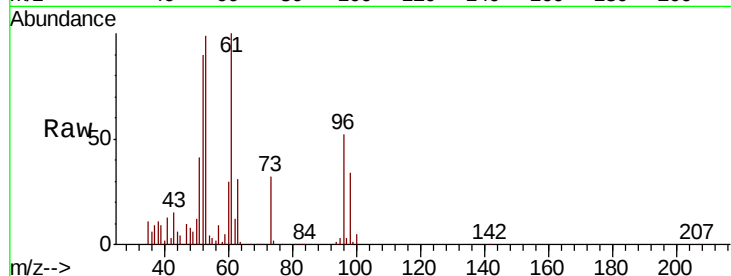
Tgt Ion: 53 Resp: 434551

Ion Ratio Lower Upper

53 100

52 90.5 66.8 100.2

51 41.4 31.6 47.4



#16

Acetone

Concen: 390.338 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059829.D

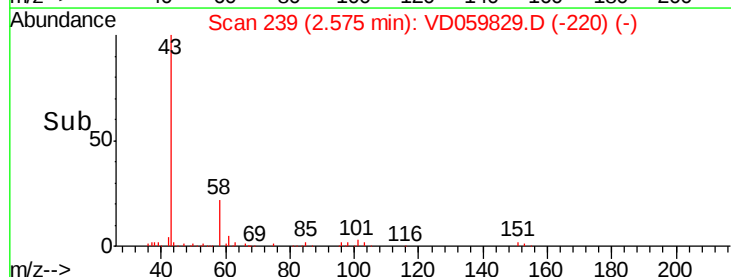
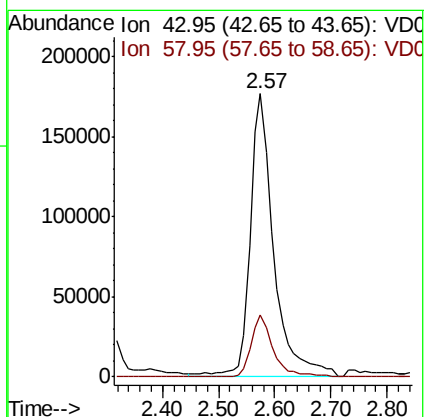
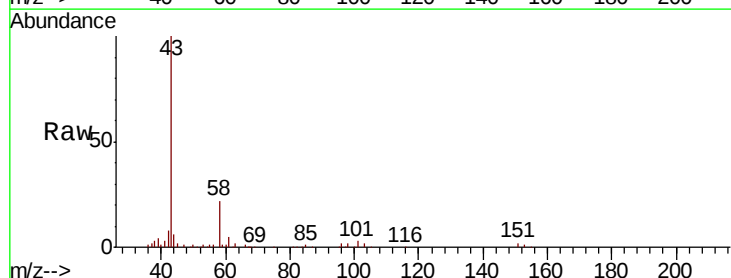
Acq: 20 Aug 2018 13:55

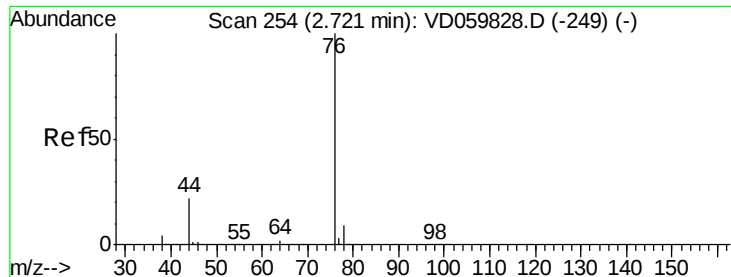
Tgt Ion: 43 Resp: 515319

Ion Ratio Lower Upper

43 100

58 21.8 16.2 24.2

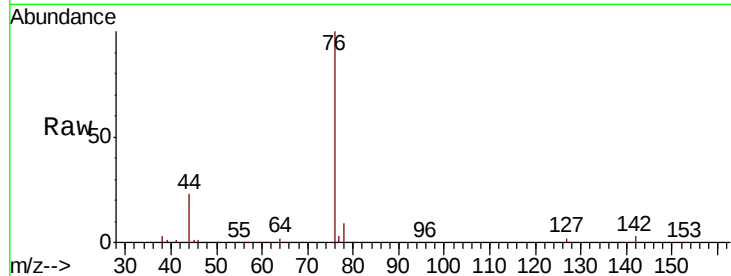




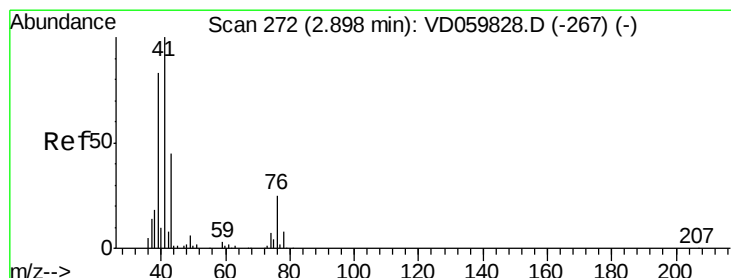
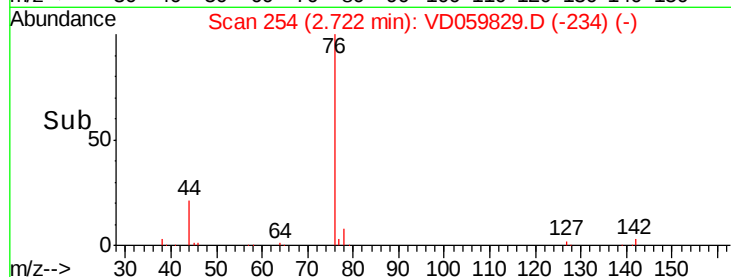
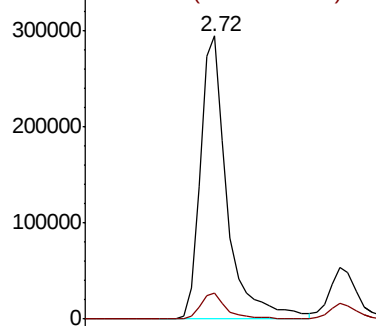
#17
Carbon Disulfide
Concen: 72.078 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 76 Resp: 692409
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

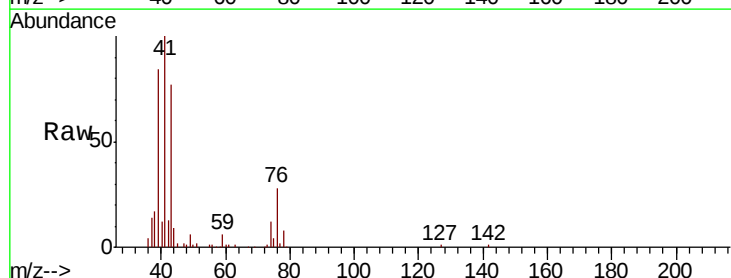


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

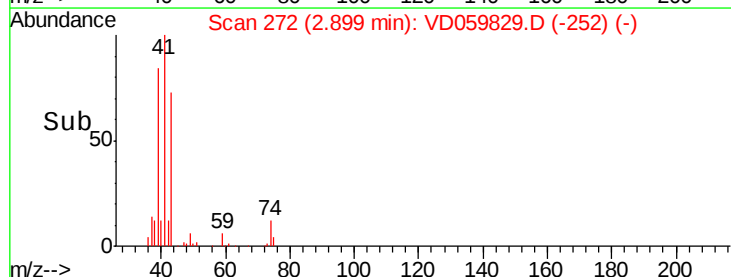
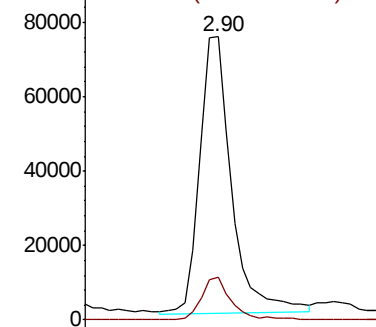


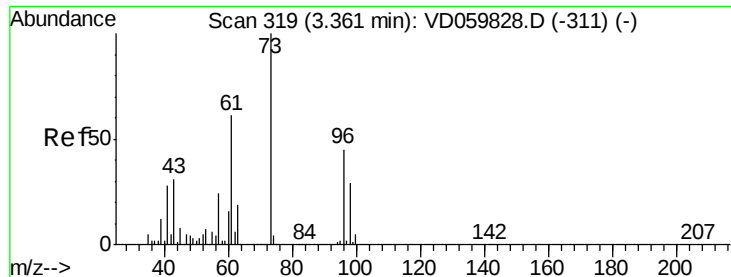
#18
Methyl Acetate
Concen: 68.230 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 43 Resp: 196547
Ion Ratio Lower Upper
43 100
74 15.0 11.4 17.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

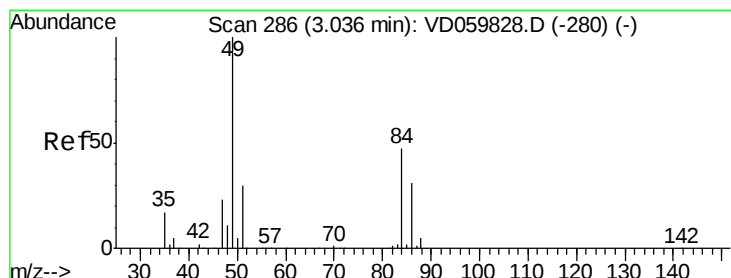
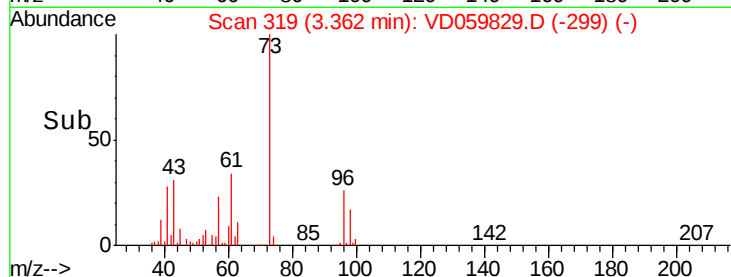
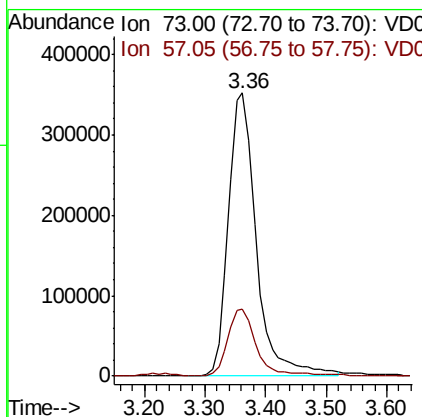
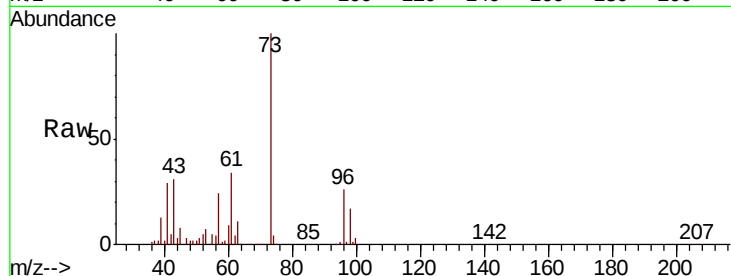




#19
Methyl tert-butyl Ether
Concen: 67.174 ug/l
RT: 3.36 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

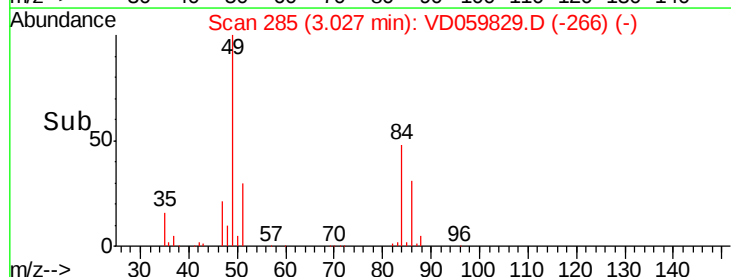
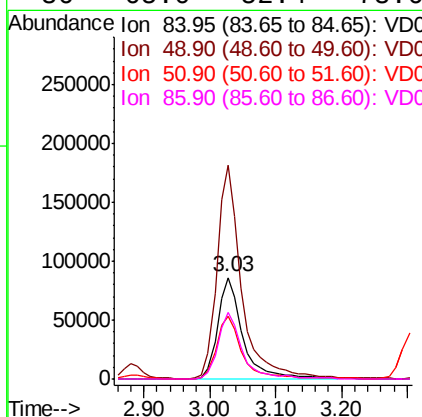
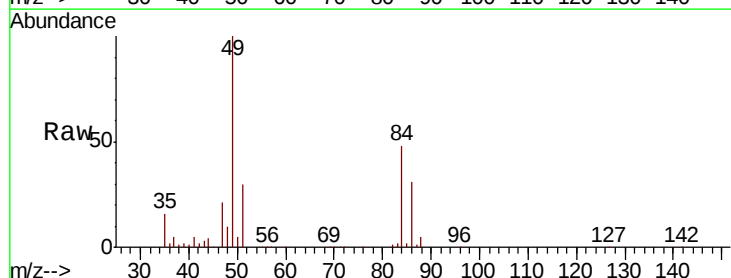
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

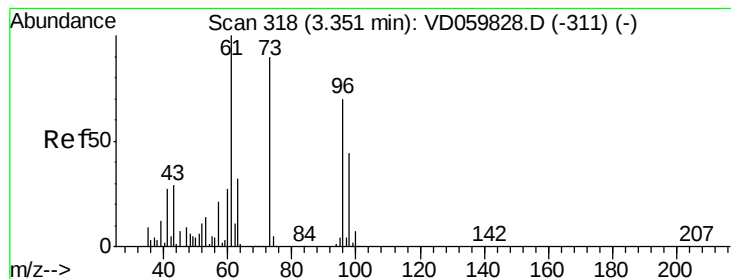
Tgt Ion: 73 Resp: 1130440
Ion Ratio Lower Upper
73 100
57 23.6 19.4 29.0



#20
Methylene Chloride
Concen: 50.630 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 84 Resp: 226523
Ion Ratio Lower Upper
84 100
49 210.5 170.4 255.6
51 62.5 51.4 77.0
86 65.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 66.535 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

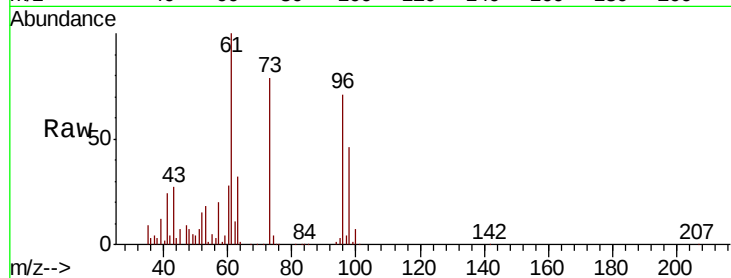
Tgt Ion: 96 Resp: 533892

Ion Ratio Lower Upper

96 100

61 139.9 114.1 171.1

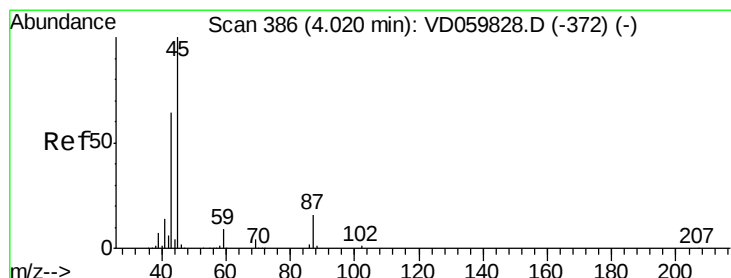
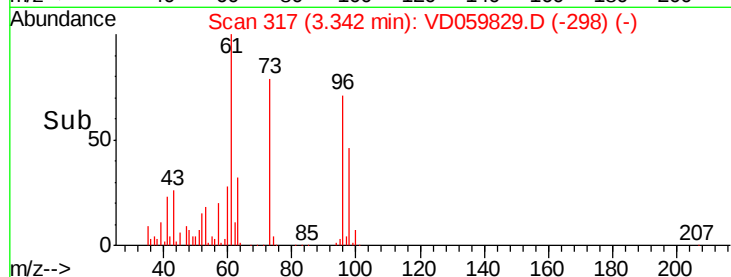
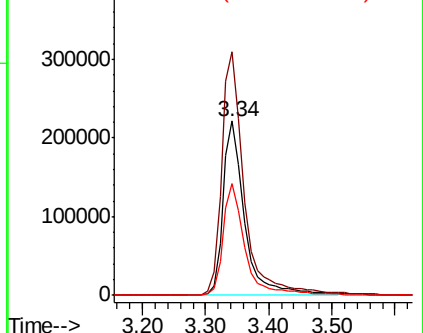
98 64.4 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 68.193 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Tgt Ion: 45 Resp: 2670068

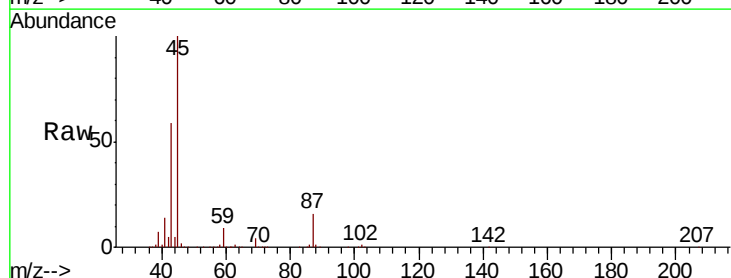
Ion Ratio Lower Upper

45 100

43 58.9 51.1 76.7

87 16.2 12.5 18.7

59 8.8 7.1 10.7

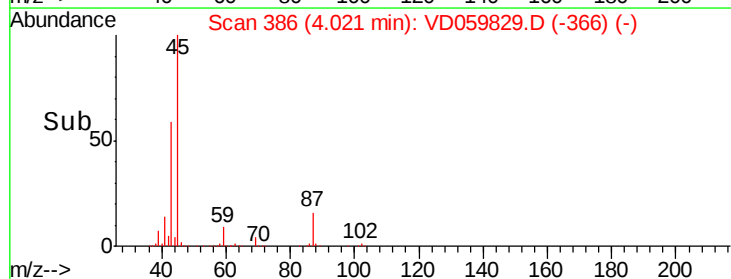
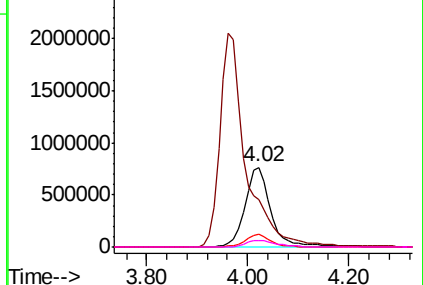


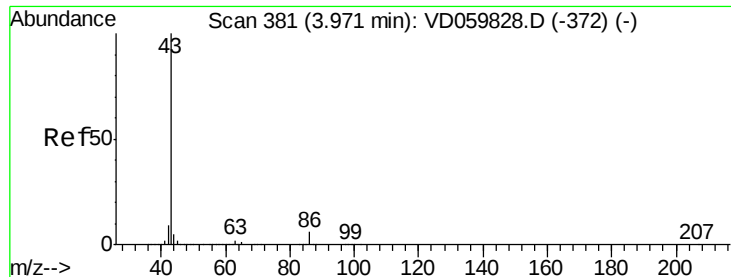
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

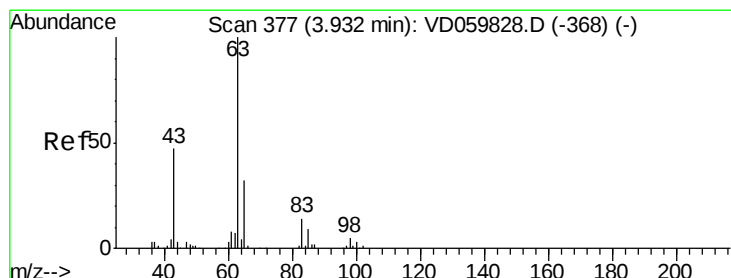
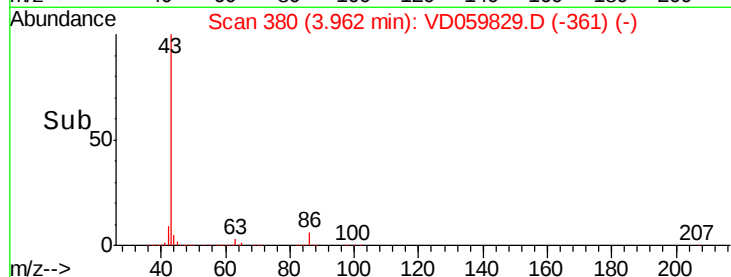
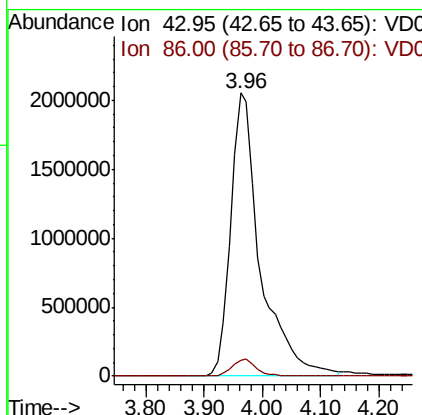
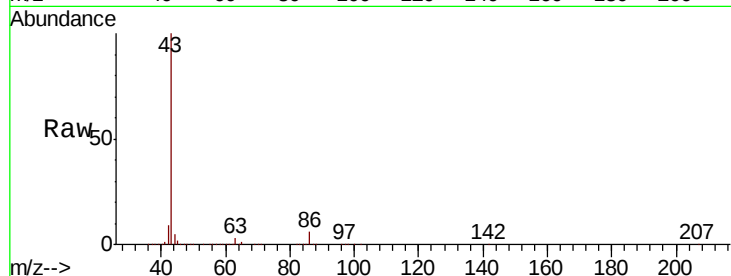




#23
 Vinyl Acetate
 Concen: 341.911 ug/l
 RT: 3.96 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

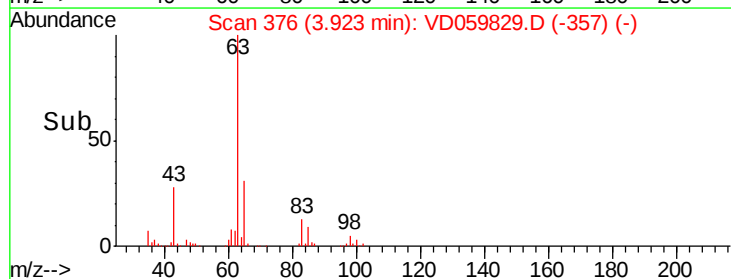
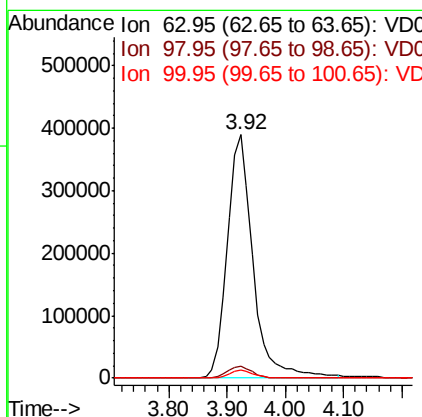
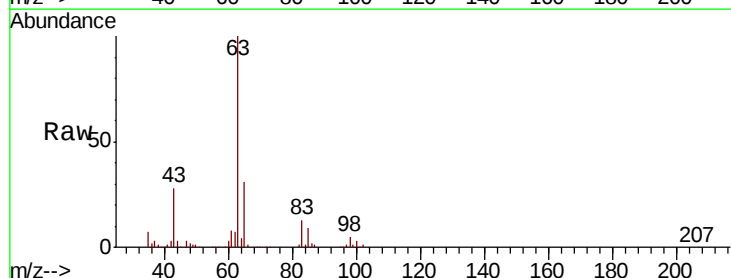
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

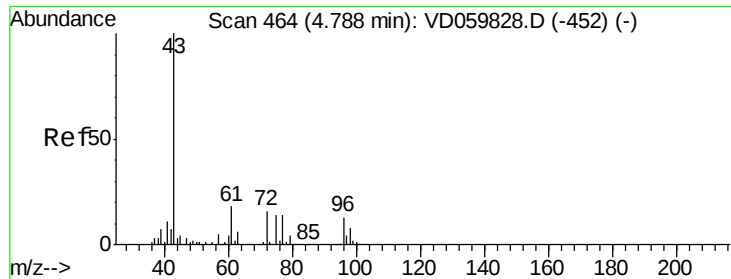
Tgt Ion: 43 Resp: 7230101
 Ion Ratio Lower Upper
 43 100
 86 5.7 4.6 7.0



#24
 1,1-Dichloroethane
 Concen: 69.658 ug/l
 RT: 3.92 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 63 Resp: 1192335
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.5 7.6
 100 3.1 1.7 5.0





#25

2-Butanone

Concen: 378.575 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

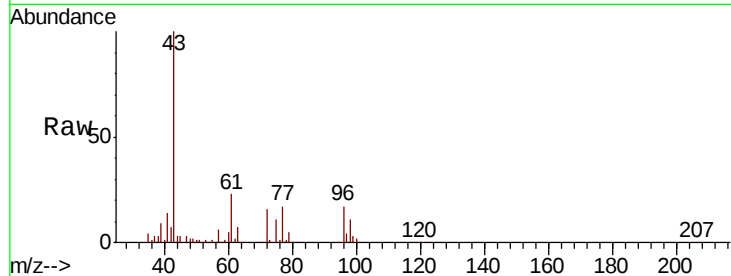
VSTDIC075

Tgt Ion: 43 Resp: 1500775

Ion Ratio Lower Upper

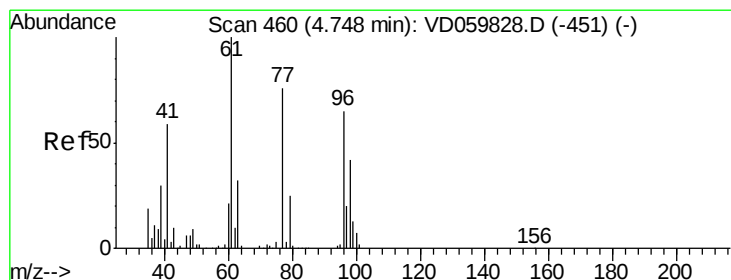
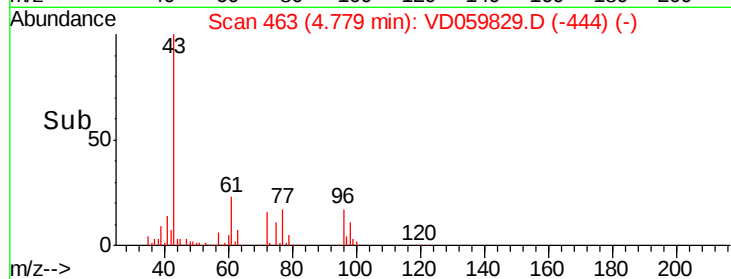
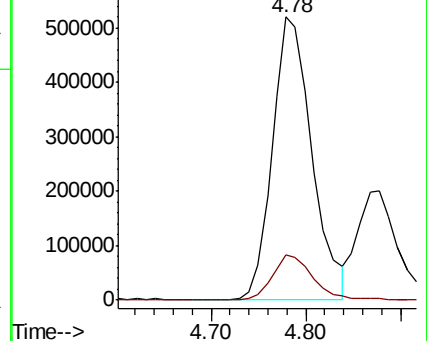
43 100

72 15.9 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 65.338 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.01 min

Lab File: VD059829.D

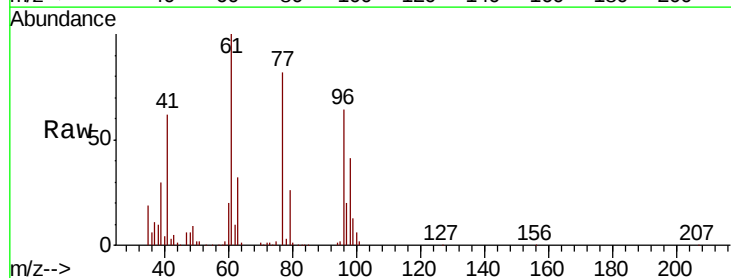
Acq: 20 Aug 2018 13:55

Tgt Ion: 77 Resp: 887313

Ion Ratio Lower Upper

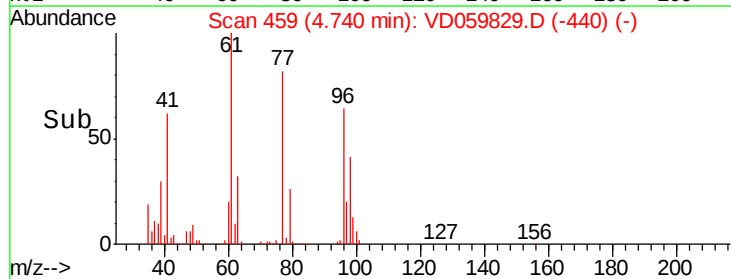
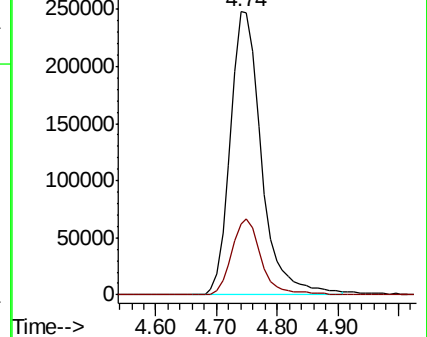
77 100

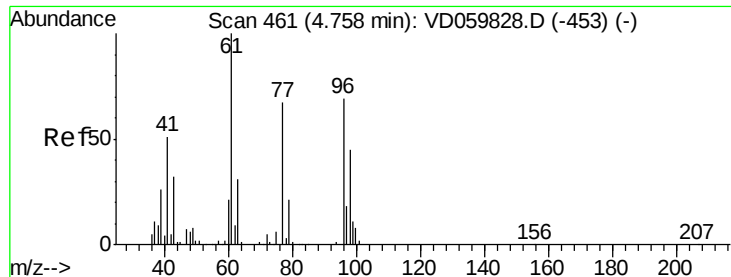
97 24.9 13.0 38.9



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: 68.937 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

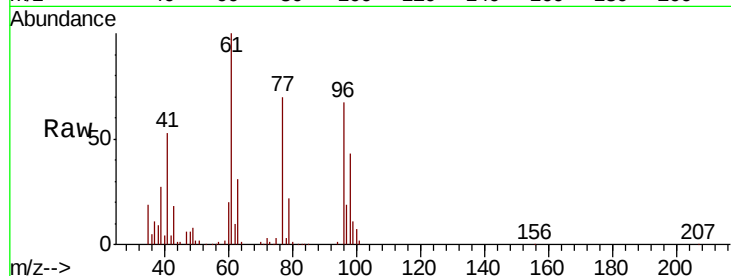
Tgt Ion: 96 Resp: 711774

Ion Ratio Lower Upper

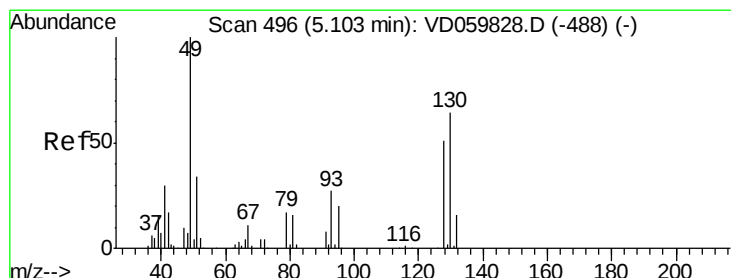
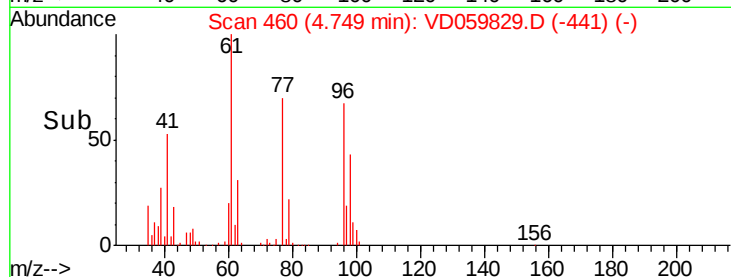
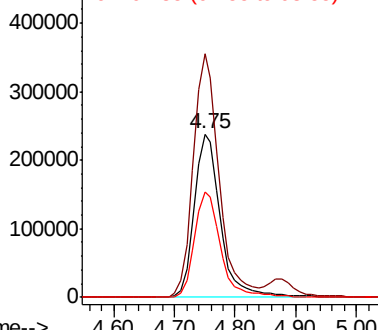
96 100

61 149.1 0.0 291.8

98 64.5 0.0 131.6



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



#28

Bromochloromethane

Concen: 70.386 ug/l

RT: 5.09 min Scan# 495

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

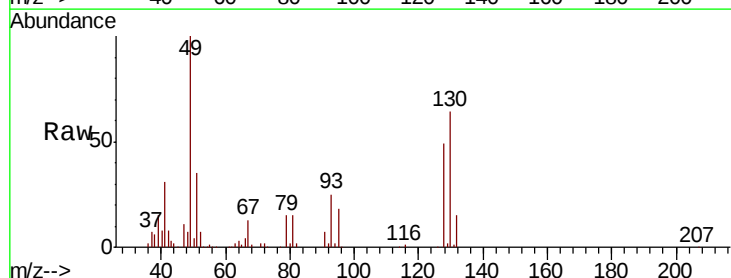
Tgt Ion: 49 Resp: 617573

Ion Ratio Lower Upper

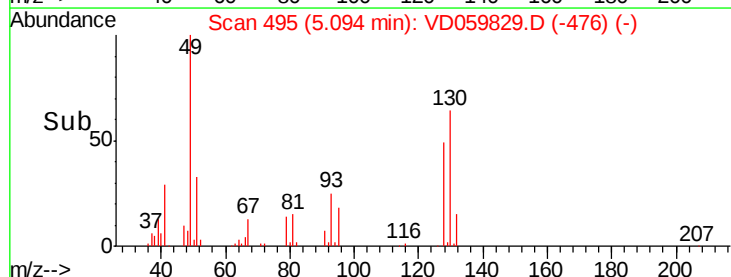
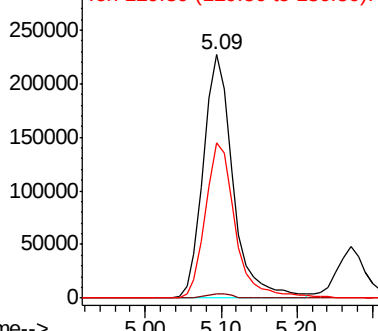
49 100

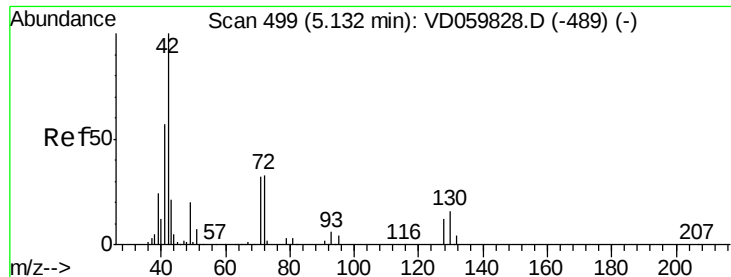
129 1.7 0.0 3.8

130 64.0 51.0 76.6



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





#29

Tetrahydrofuran

Concen: 345.452 ug/l

RT: 5.13 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

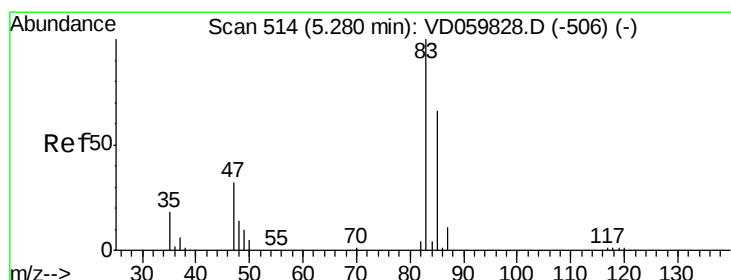
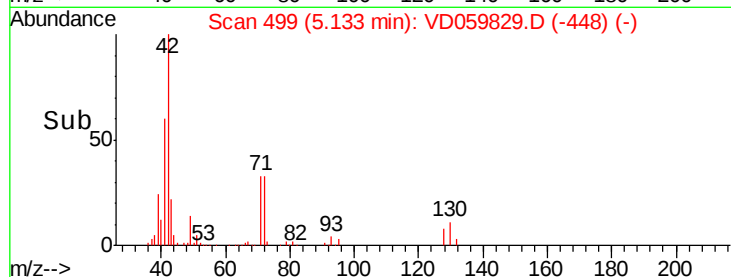
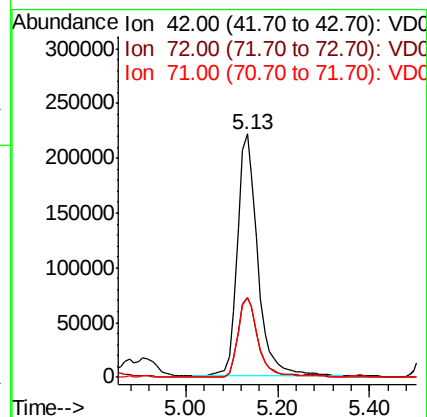
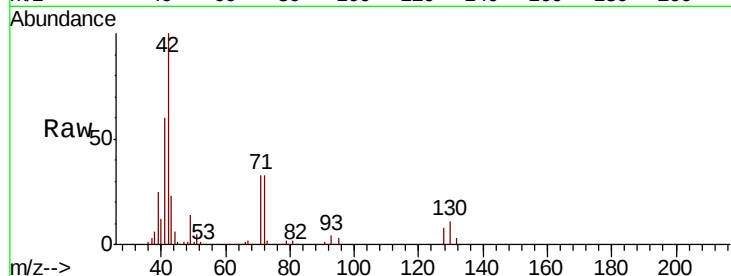
Tgt Ion: 42 Resp: 686861

Ion Ratio Lower Upper

42 100

72 32.3 25.8 38.6

71 32.4 25.7 38.5



#30

Chloroform

Concen: 69.466 ug/l

RT: 5.27 min Scan# 513

Delta R.T. -0.01 min

Lab File: VD059829.D

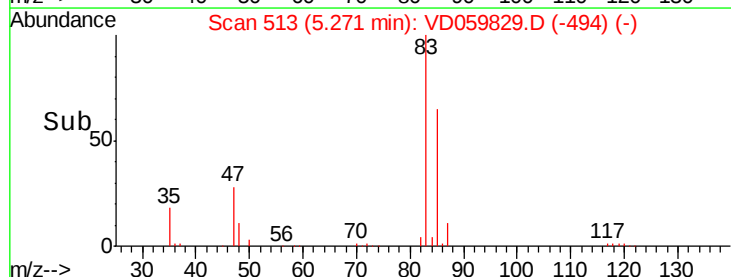
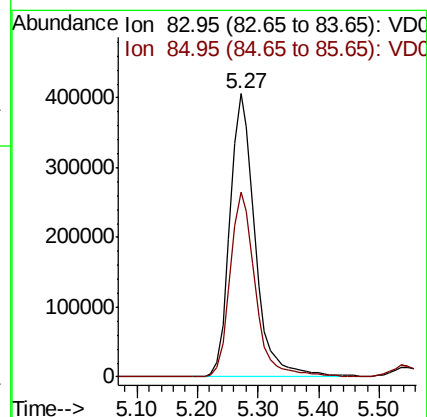
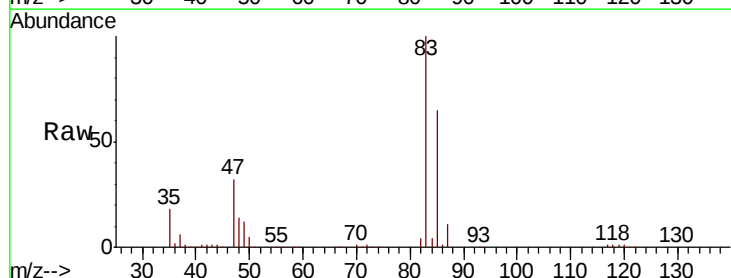
Acq: 20 Aug 2018 13:55

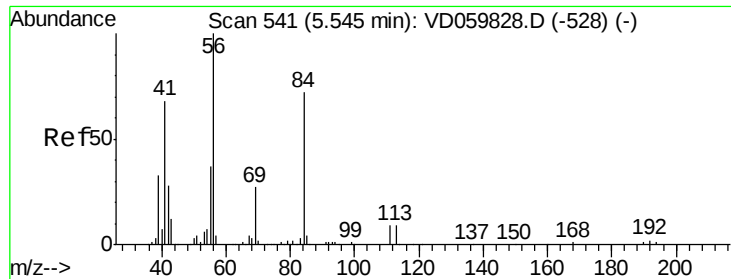
Tgt Ion: 83 Resp: 1171127

Ion Ratio Lower Upper

83 100

85 65.1 52.9 79.3

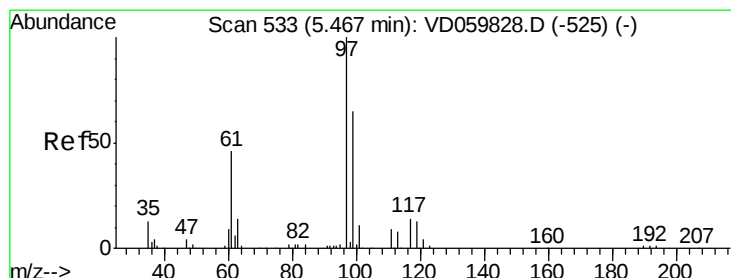
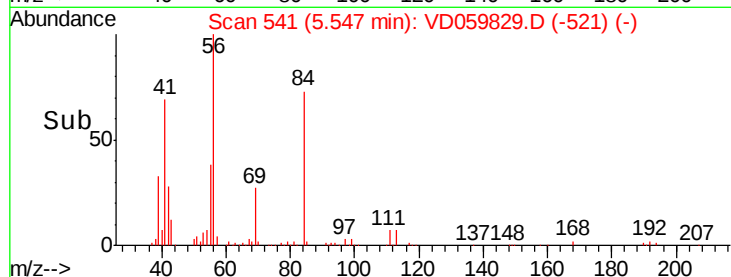
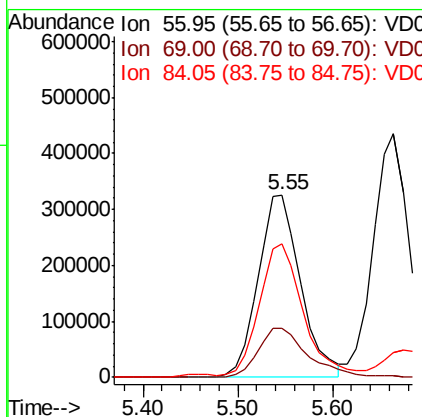
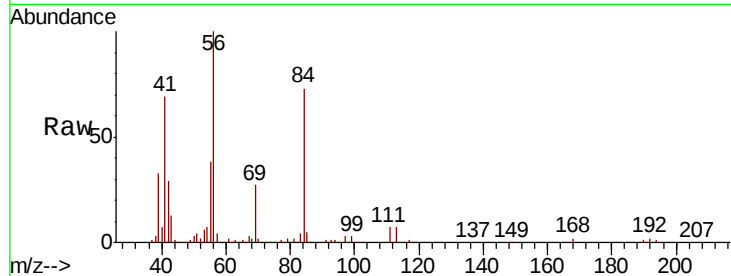




#31
Cyclohexane
Concen: 64.943 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

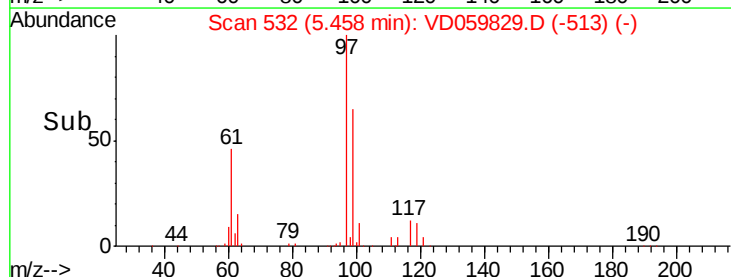
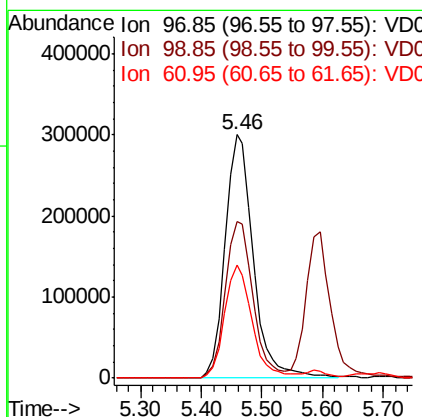
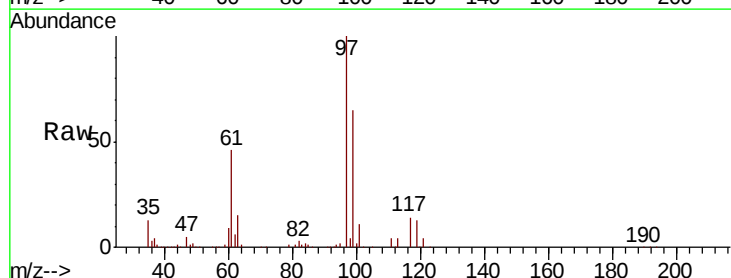
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

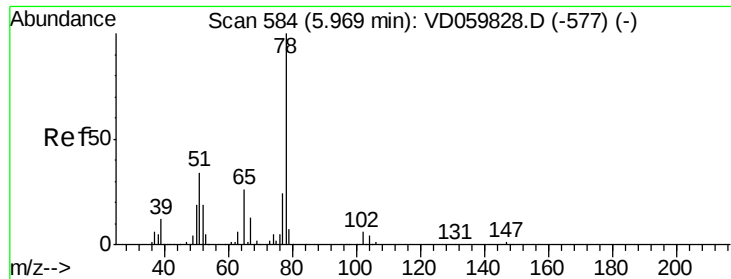
Tgt Ion: 56 Resp: 1015872
Ion Ratio Lower Upper
56 100
69 27.1 21.7 32.5
84 73.0 57.8 86.6



#32
1,1,1-Trichloroethane
Concen: 68.102 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 97 Resp: 969192
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 46.2 37.0 55.6





#33

1,2-Dichloroethane-d4

Concen: 68.102 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

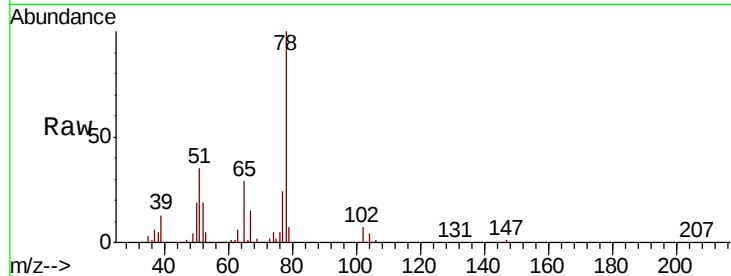
VSTDIC075

Tgt Ion: 65 Resp: 550453

Ion Ratio Lower Upper

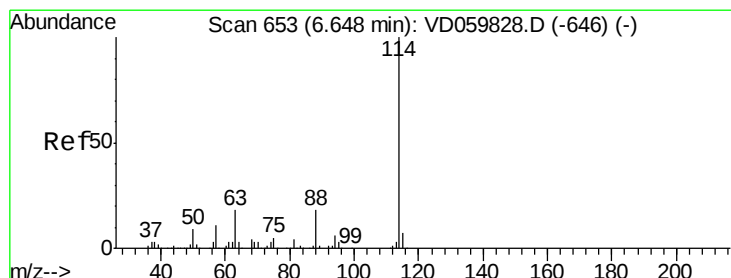
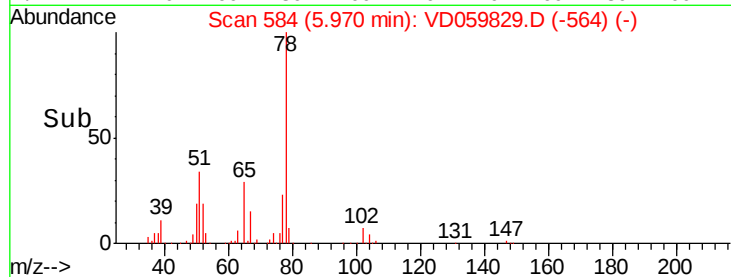
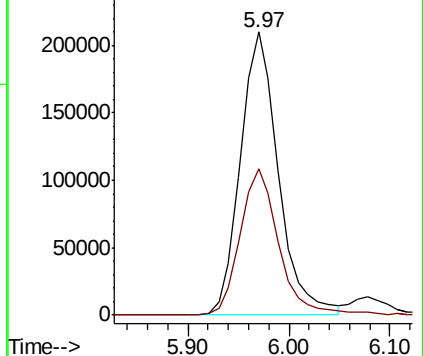
65 100

67 51.6 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

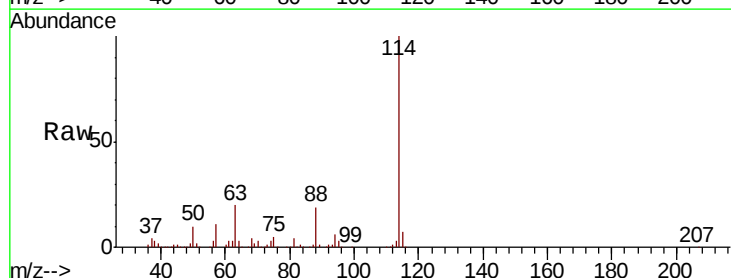
Tgt Ion: 114 Resp: 1411659

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.0

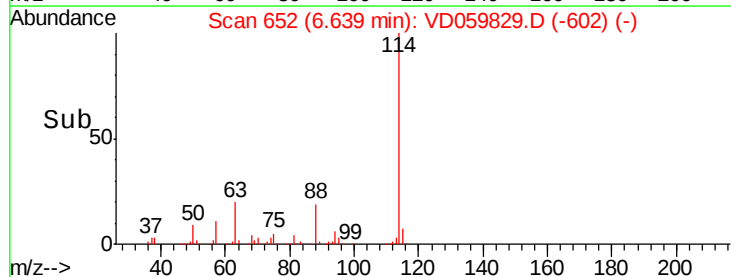
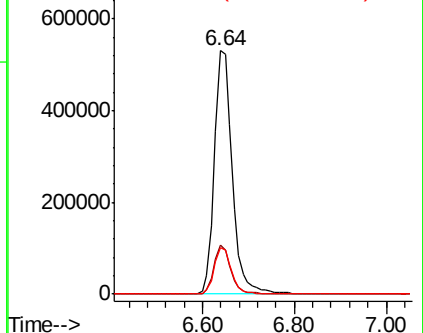
88 19.0 0.0 37.0

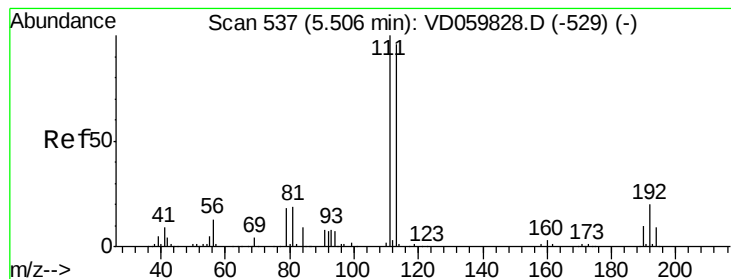


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

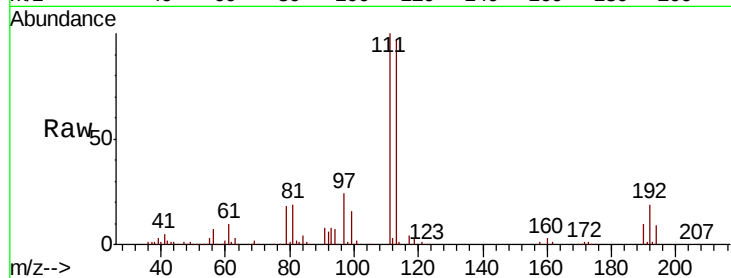
Tgt Ion:113 Resp: 756992

Ion Ratio Lower Upper

113 100

111 102.6 83.3 124.9

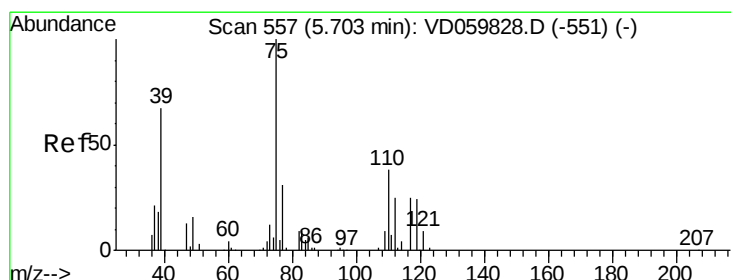
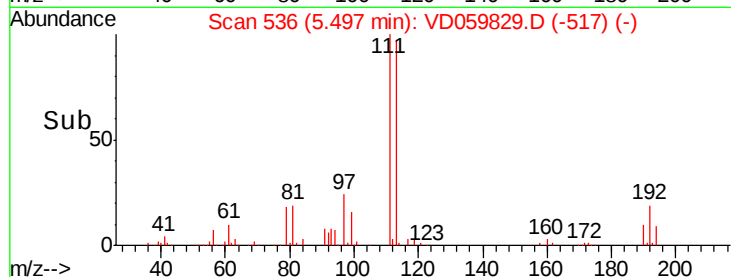
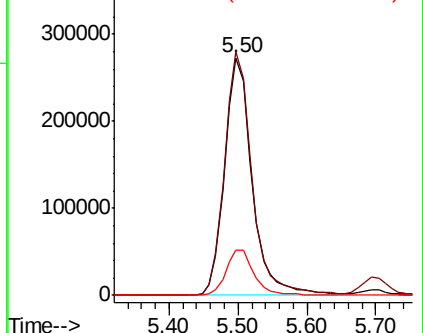
192 19.3 16.8 25.2



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 67.603 ug/l

RT: 5.69 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

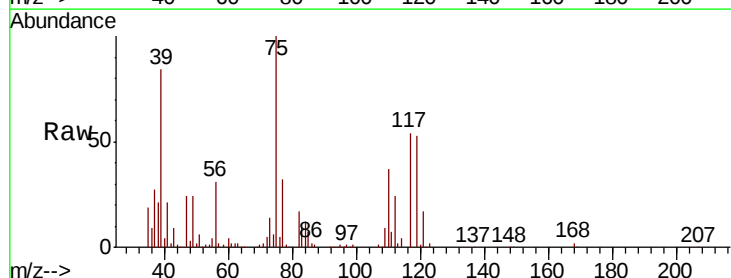
Tgt Ion: 75 Resp: 820947

Ion Ratio Lower Upper

75 100

110 37.4 18.8 56.4

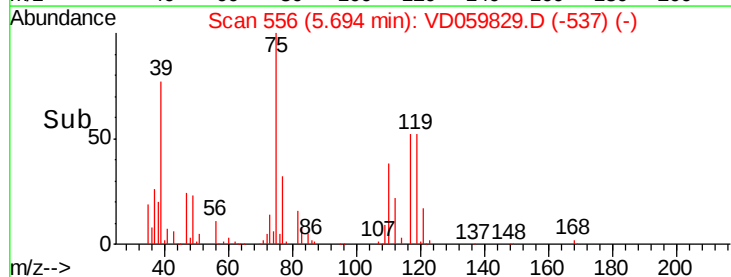
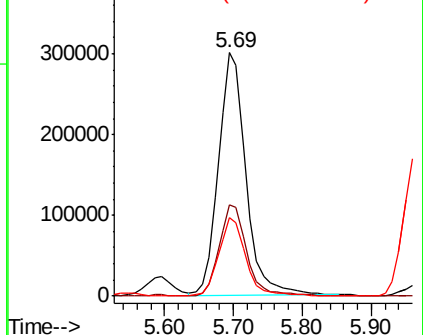
77 32.2 24.9 37.3

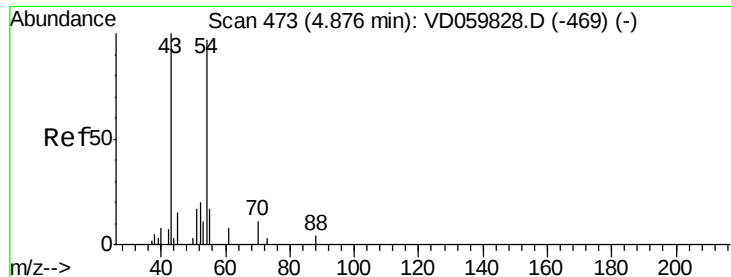


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

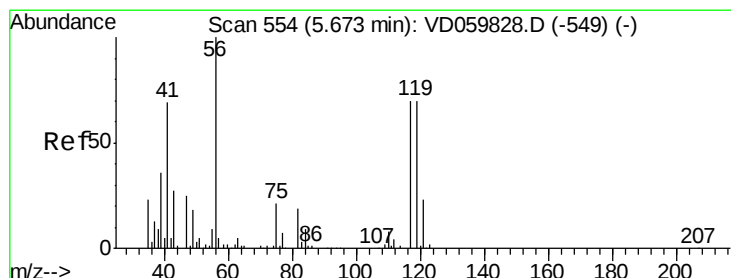
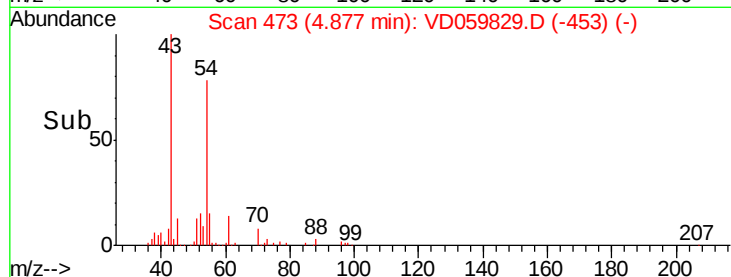
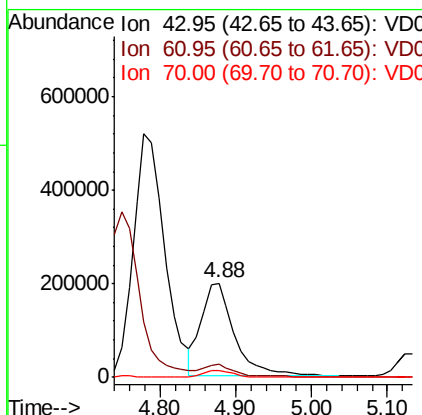
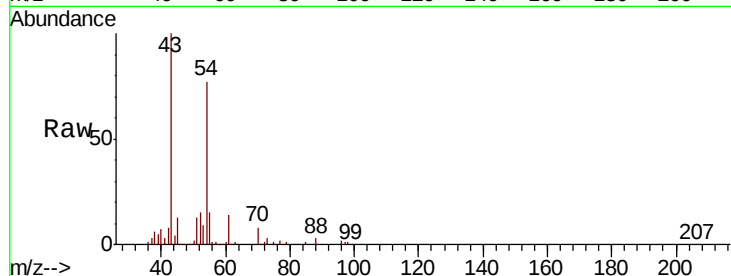




#37
 Ethyl Acetate
 Concen: 68.211 ug/l
 RT: 4.88 min Scan# 473
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

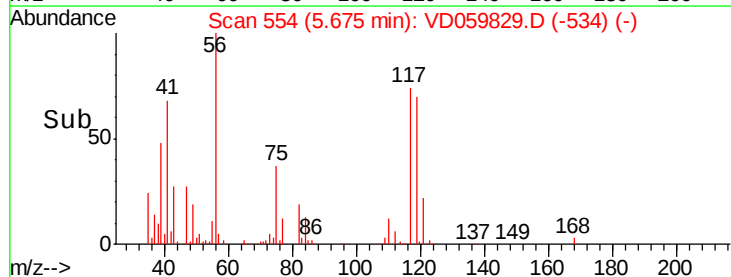
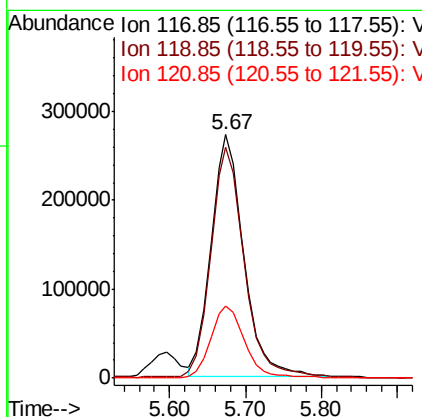
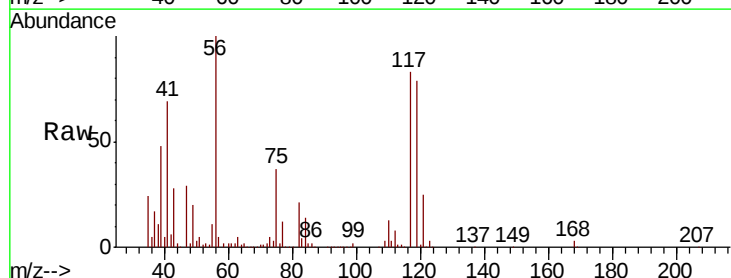
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

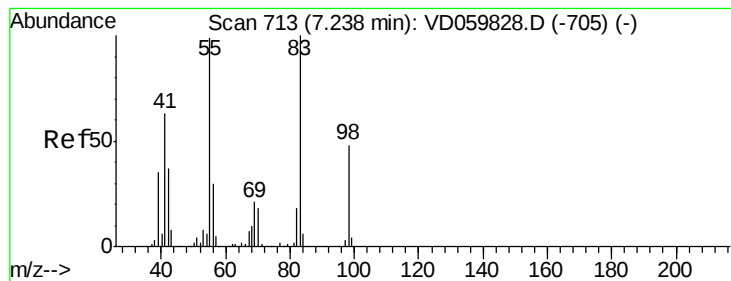
Tgt Ion: 43 Resp: 602755
 Ion Ratio Lower Upper
 43 100
 61 13.7 10.4 15.6
 70 7.6 6.2 9.2



#38
 Carbon Tetrachloride
 Concen: 67.343 ug/l
 RT: 5.67 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 117 Resp: 813112
 Ion Ratio Lower Upper
 117 100
 119 95.0 77.0 115.4
 121 29.7 24.7 37.1





#39

Methylcyclohexane

Concen: 70.738 ug/l

RT: 7.24 min Scan# 713

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

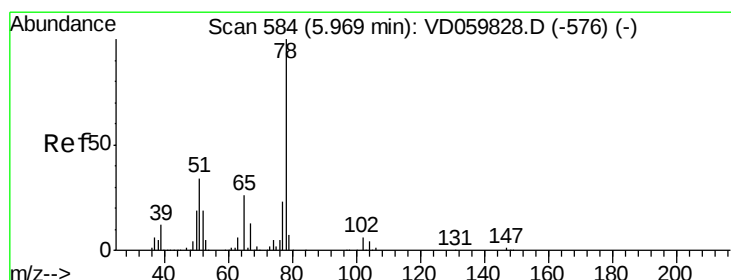
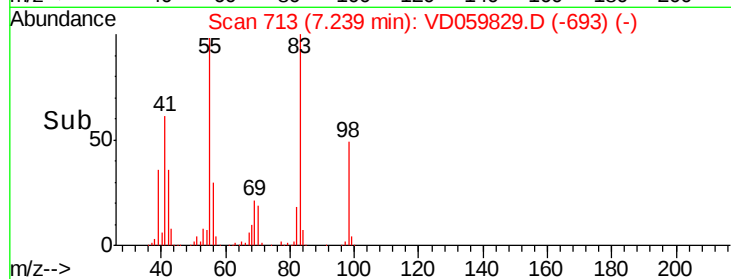
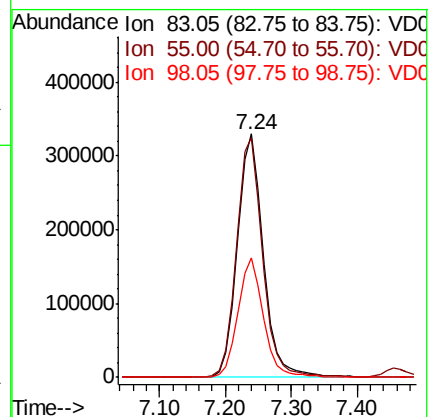
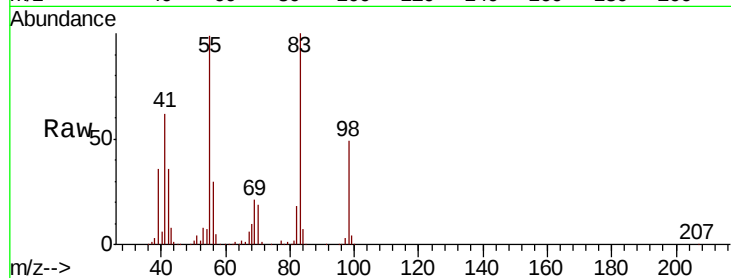
Tgt Ion: 83 Resp: 913135

Ion Ratio Lower Upper

83 100

55 98.6 79.0 118.6

98 49.3 38.1 57.1



#40

Benzene

Concen: 67.948 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059829.D

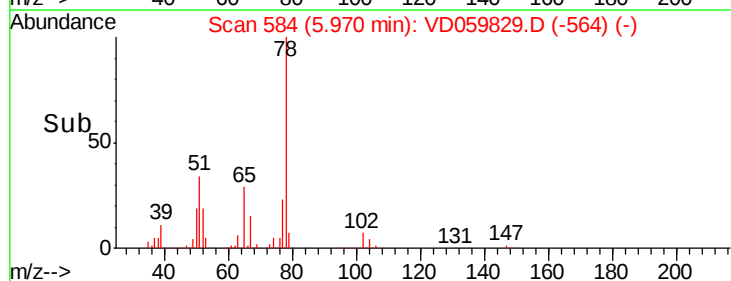
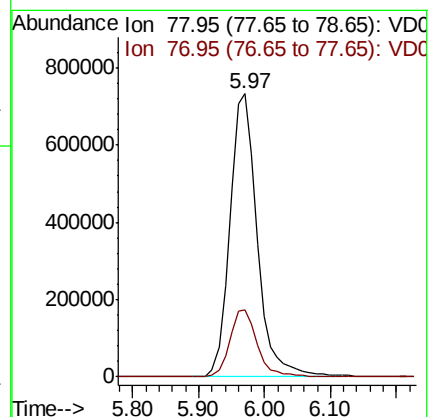
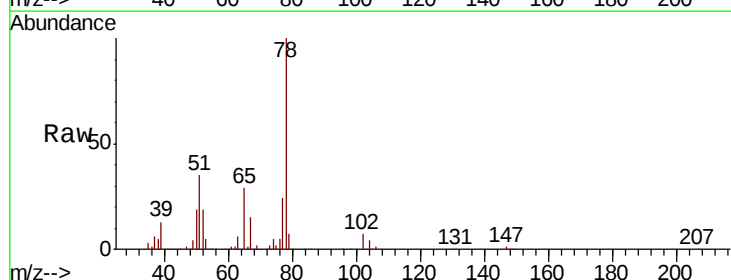
Acq: 20 Aug 2018 13:55

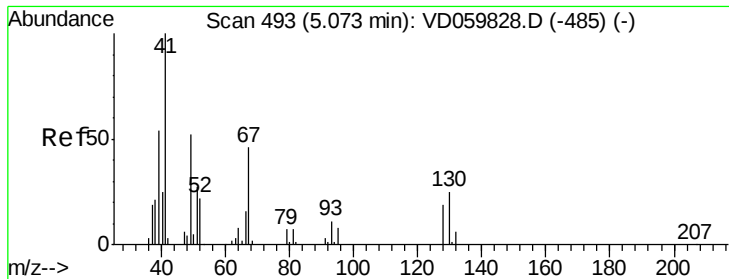
Tgt Ion: 78 Resp: 2130262

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 71.509 ug/l

RT: 5.07 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 325385

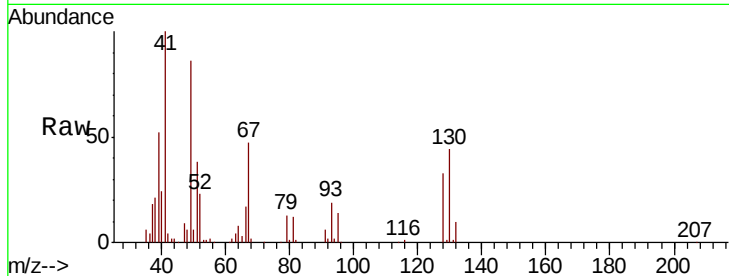
Ion Ratio Lower Upper

41 100

39 52.0 43.0 64.6

67 46.7 36.7 55.1

52 22.5 18.0 27.0

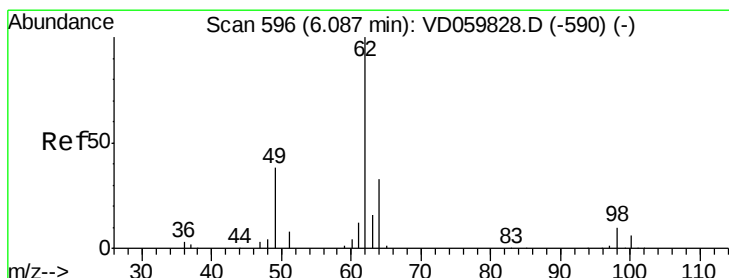
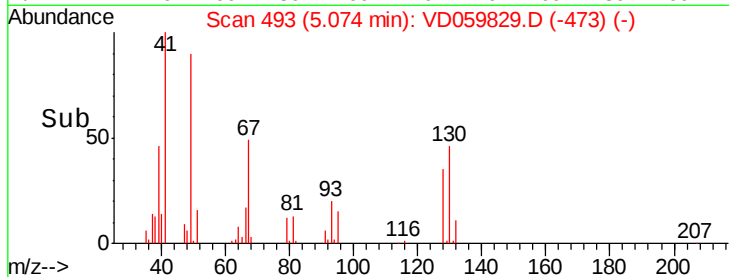
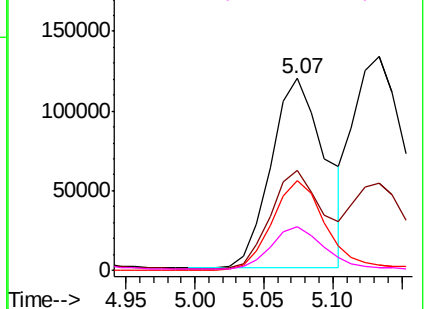


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 68.299 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD059829.D

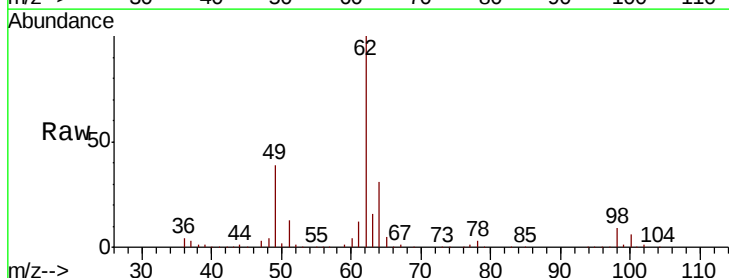
Acq: 20 Aug 2018 13:55

Tgt Ion: 62 Resp: 687641

Ion Ratio Lower Upper

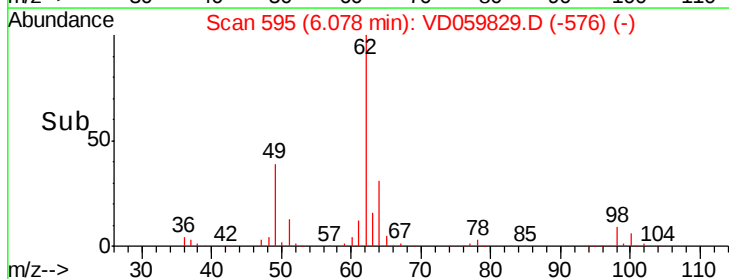
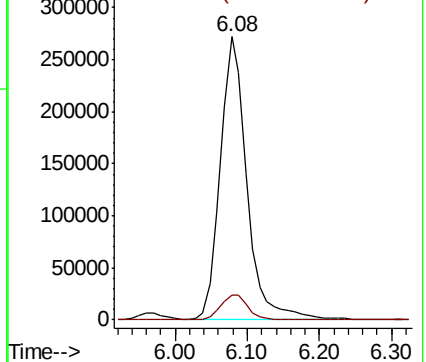
62 100

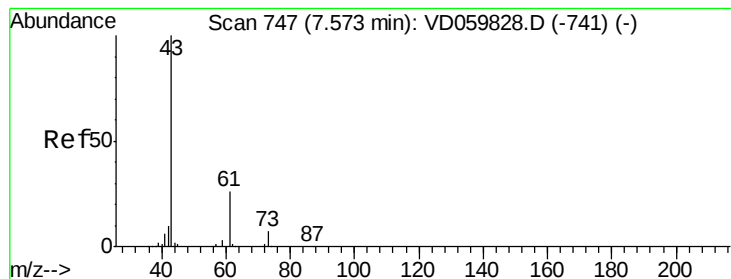
98 8.8 0.0 19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



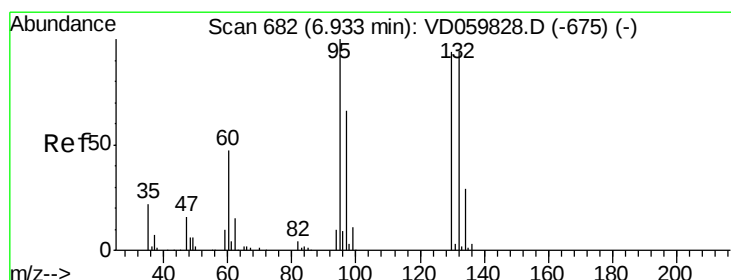
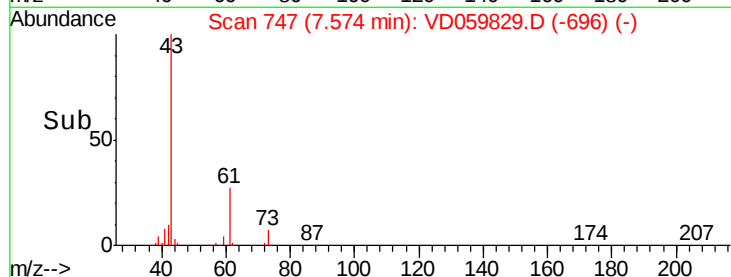
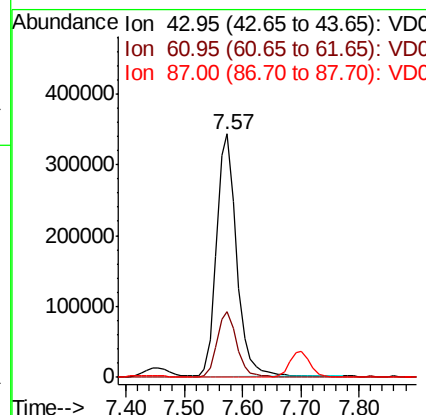
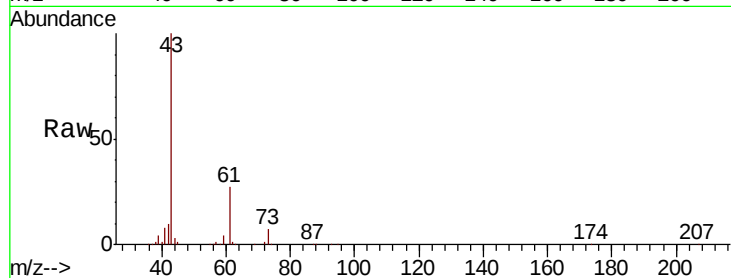


#43

Isopropyl Acetate
 Concen: 67.066 ug/l
 RT: 7.57 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

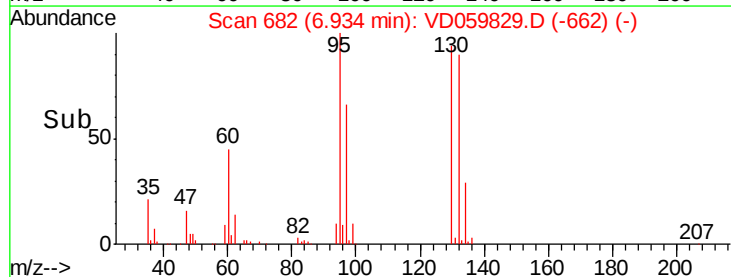
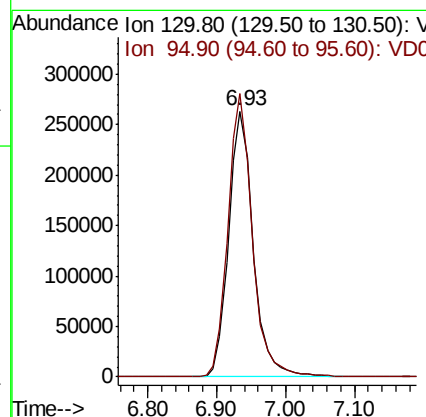
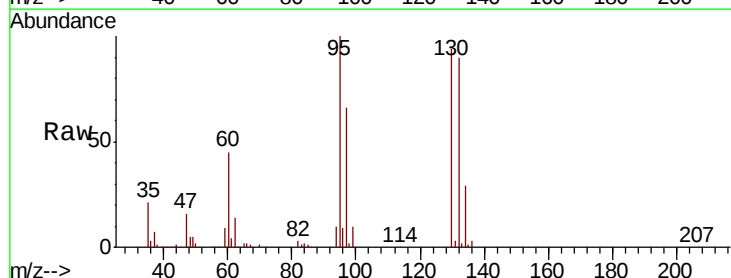
Tgt Ion: 43 Resp: 813092
 Ion Ratio Lower Upper
 43 100
 61 26.9 21.0 31.4
 87 0.3 0.2 0.4

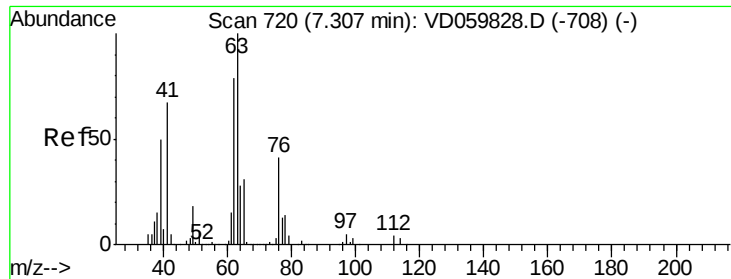


#44

Trichloroethene
 Concen: 70.585 ug/l
 RT: 6.93 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 130 Resp: 652130
 Ion Ratio Lower Upper
 130 100
 95 106.4 0.0 213.0





#45

1,2-Dichloropropane

Concen: 68.774 ug/l

RT: 7.30 min Scan# 719

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

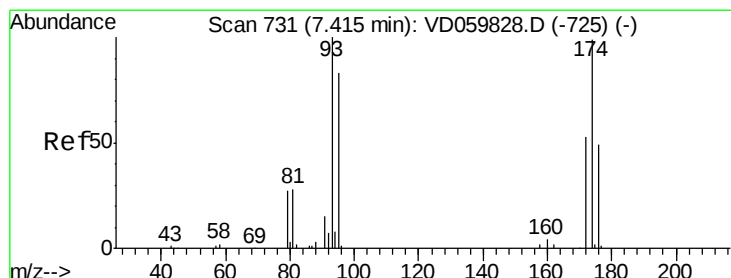
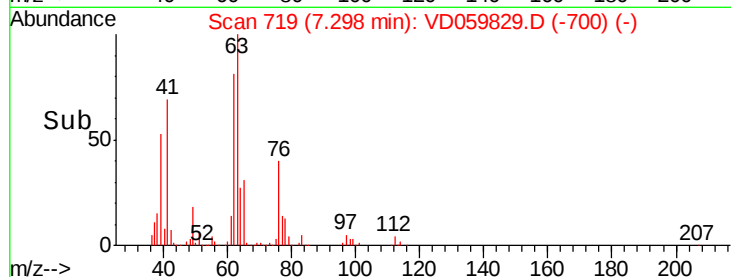
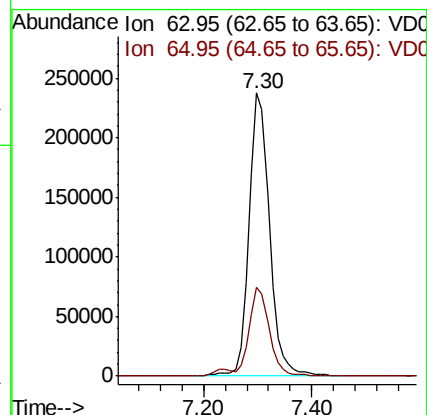
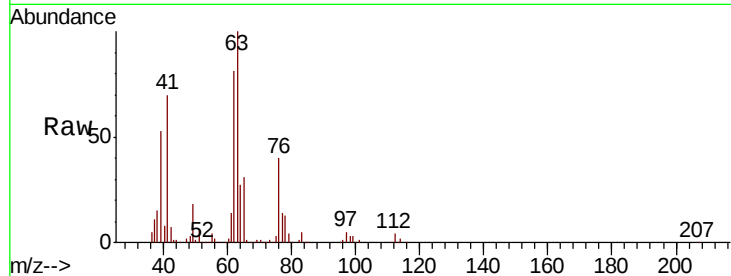
VSTDIC075

Tgt Ion: 63 Resp: 625015

Ion Ratio Lower Upper

63 100

65 31.3 24.5 36.7



#46

Dibromomethane

Concen: 70.154 ug/l

RT: 7.42 min Scan# 731

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

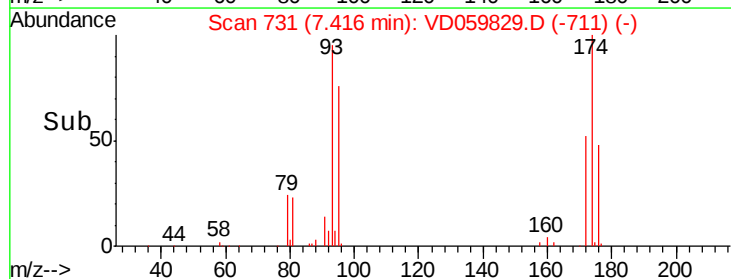
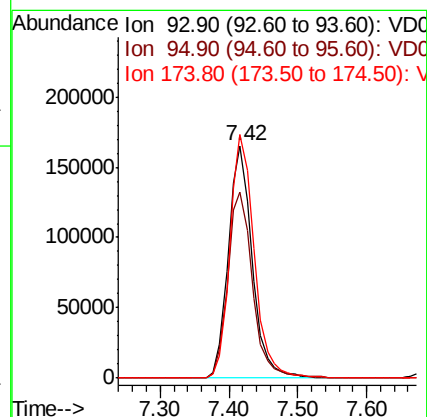
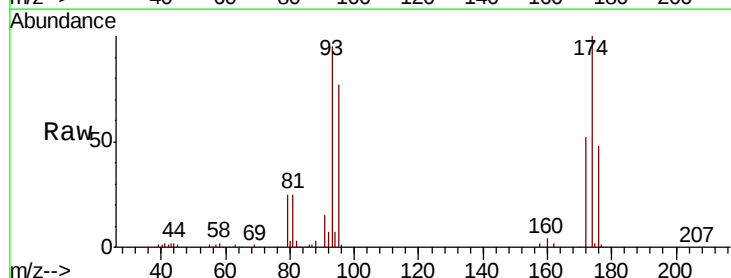
Tgt Ion: 93 Resp: 396172

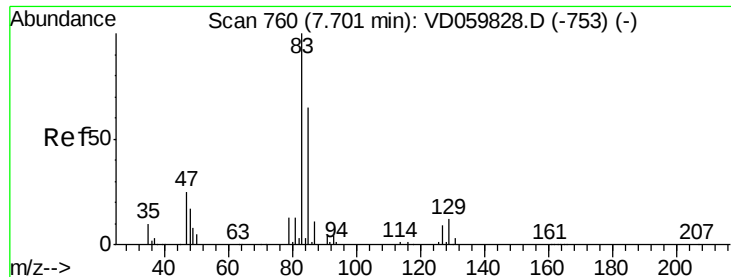
Ion Ratio Lower Upper

93 100

95 80.3 66.3 99.5

174 104.8 79.4 119.0





#47

Bromodichloromethane

Concen: 69.297 ug/l

RT: 7.70 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

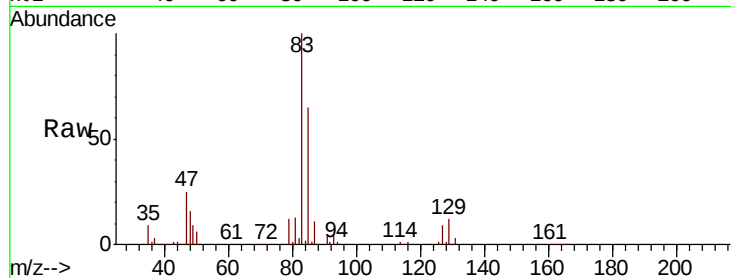
Tgt Ion: 83 Resp: 868376

Ion Ratio Lower Upper

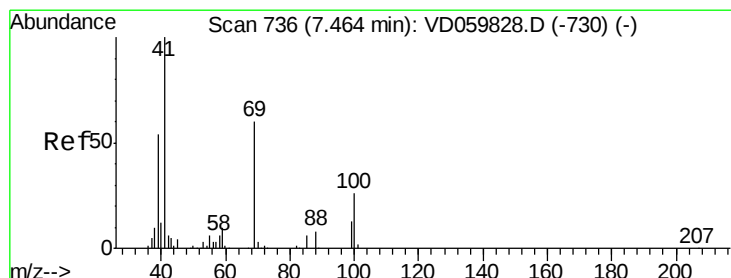
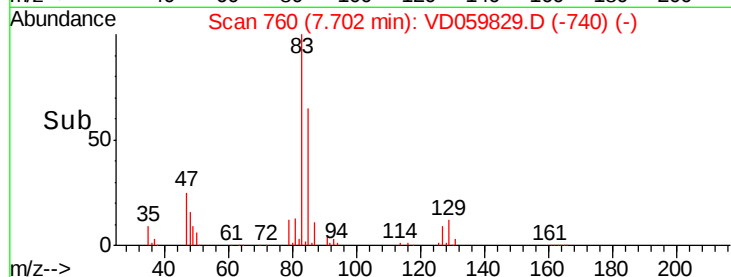
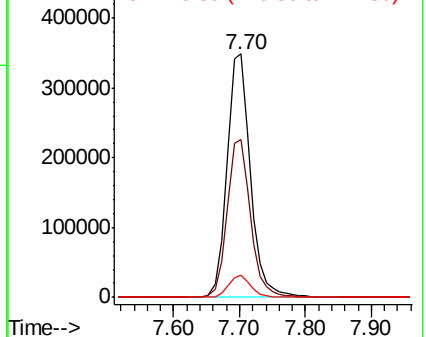
83 100

85 64.9 52.2 78.4

127 9.4 7.1 10.7



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: 70.375 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

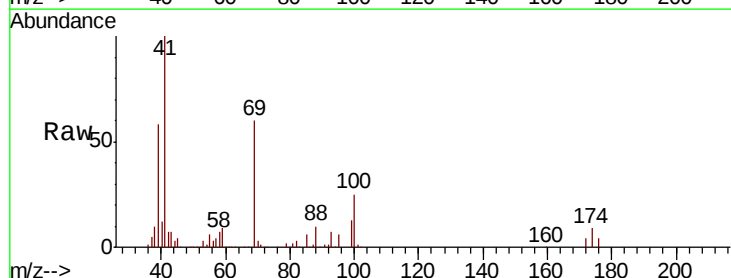
Tgt Ion: 41 Resp: 477174

Ion Ratio Lower Upper

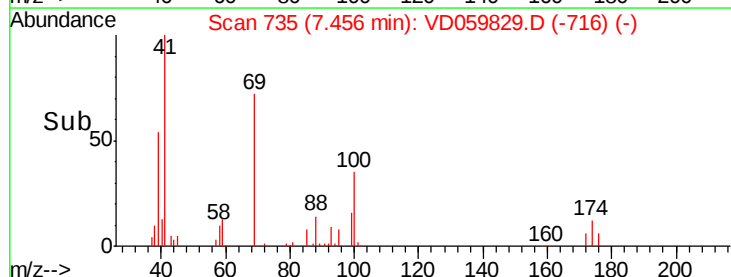
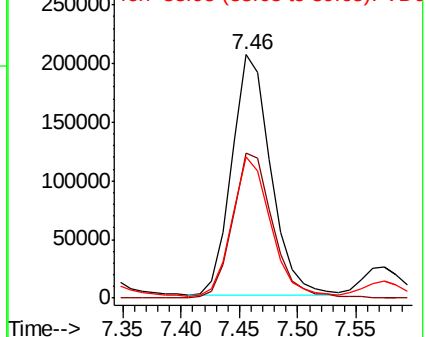
41 100

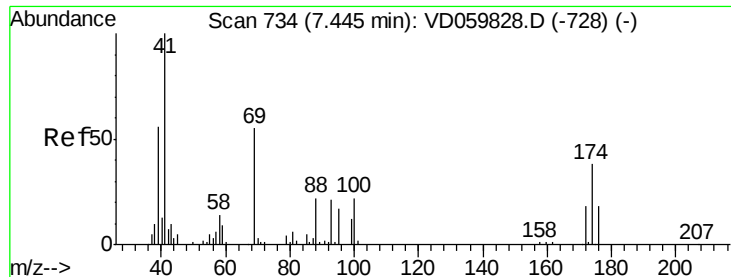
69 59.6 47.0 70.4

39 58.1 43.4 65.2



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

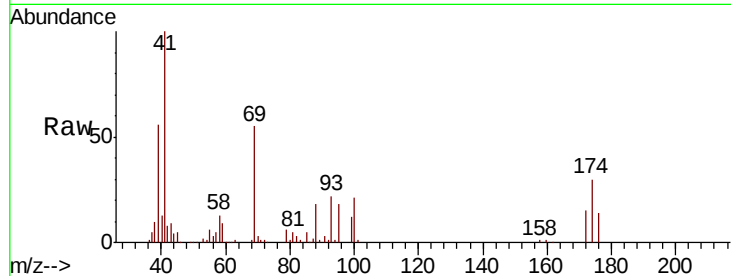




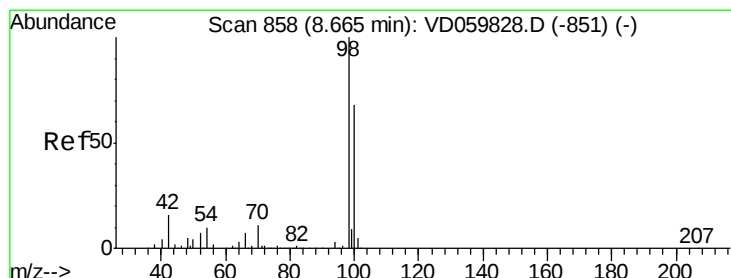
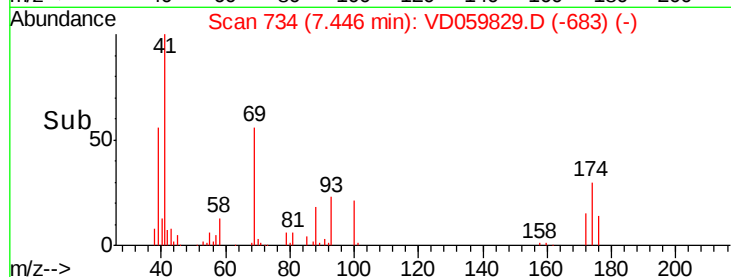
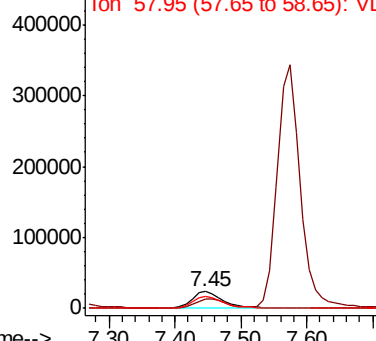
#49
 1,4-Dioxane
 Concen: 1415.666 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 88 Resp: 79965
 Ion Ratio Lower Upper
 88 100
 43 53.2 41.4 62.0
 58 73.5 52.4 78.6

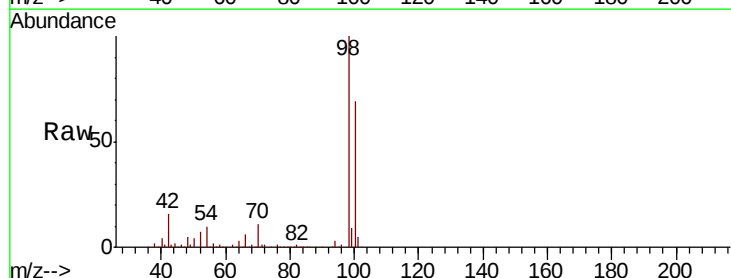


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

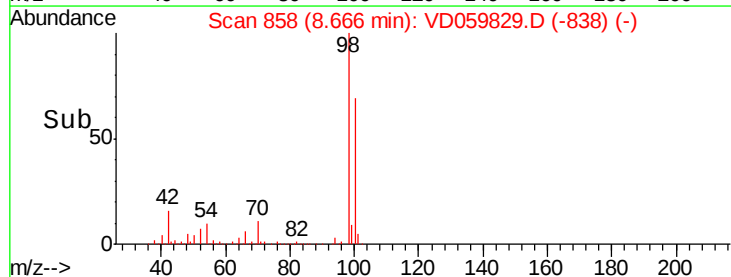
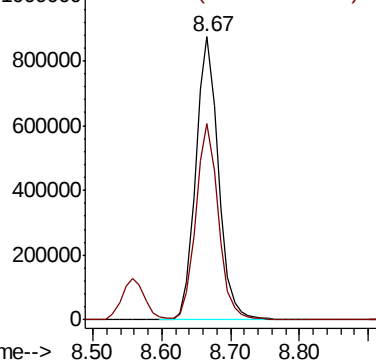


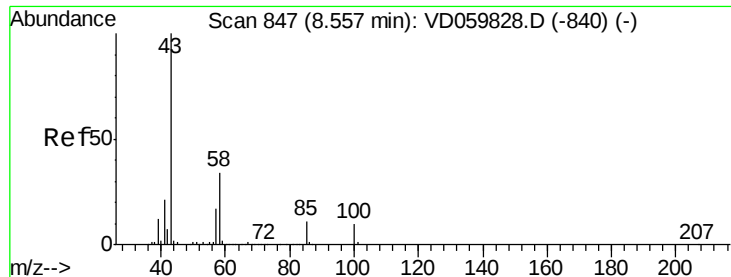
#50
 Toluene-d8
 Concen: 1415.666 ug/l
 RT: 8.67 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 98 Resp: 1991850
 Ion Ratio Lower Upper
 98 100
 100 69.2 55.0 82.4



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: 375.484 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

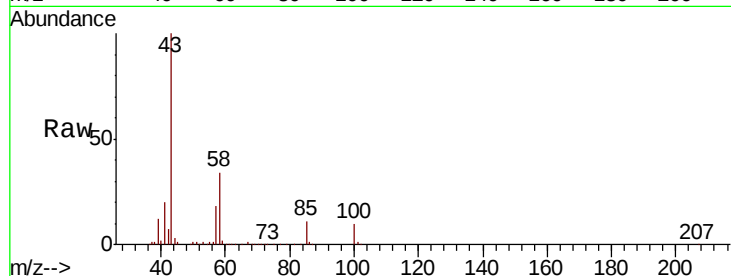
VSTDIC075

Tgt Ion: 43 Resp: 3130904

Ion Ratio Lower Upper

43 100

58 33.6 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

1500000 Ion 57.95 (57.65 to 58.65): VDC

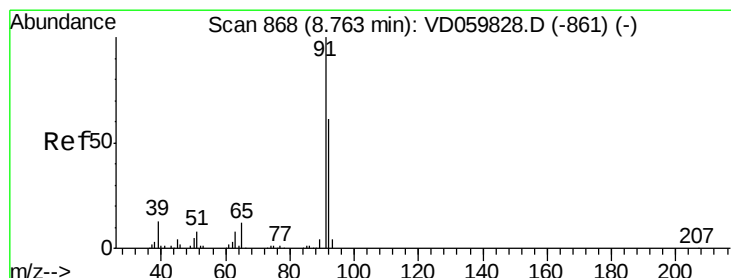
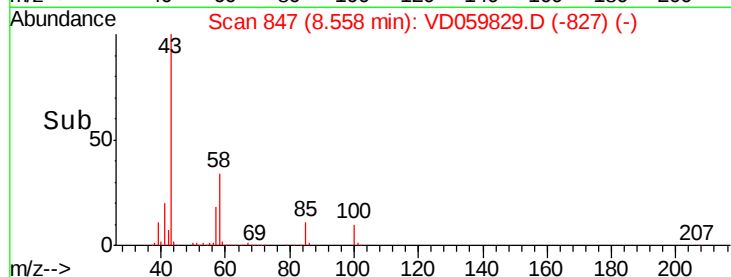
8.56

1000000

500000

0

Time-->



#52

Toluene

Concen: 68.303 ug/l

RT: 8.76 min Scan# 868

Delta R.T. 0.00 min

Lab File: VD059829.D

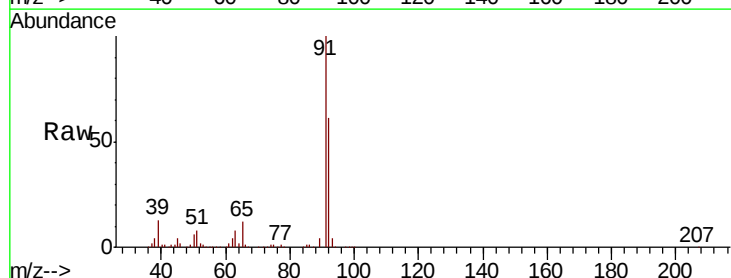
Acq: 20 Aug 2018 13:55

Tgt Ion: 92 Resp: 1358558

Ion Ratio Lower Upper

92 100

91 163.8 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

1000000 Ion 91.00 (90.70 to 91.70): VDC

800000

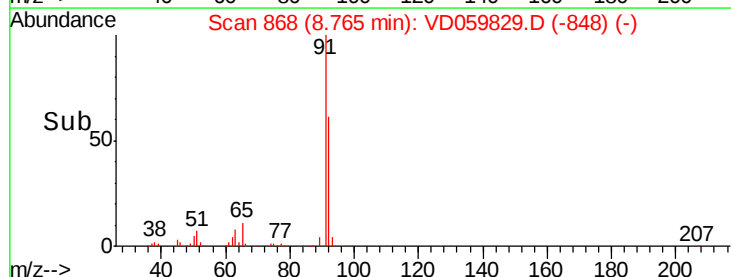
600000

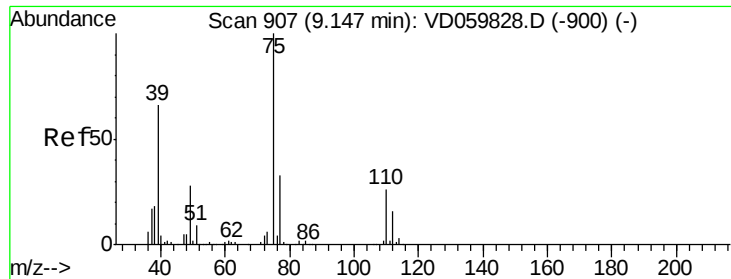
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 70.334 ug/l

RT: 9.15 min Scan# 907

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

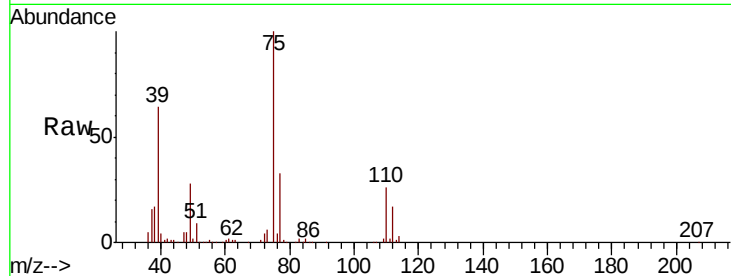
VSTDIC075

Tgt Ion: 75 Resp: 802661

Ion Ratio Lower Upper

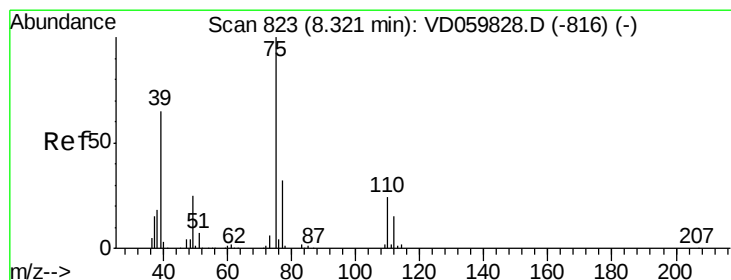
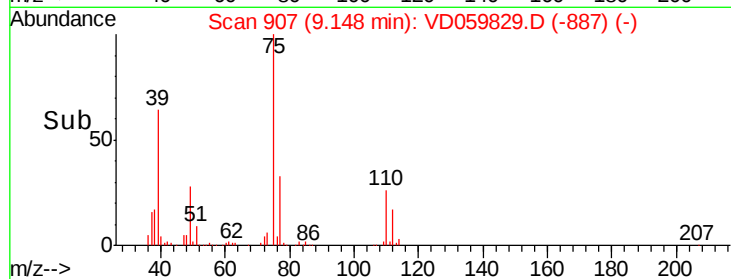
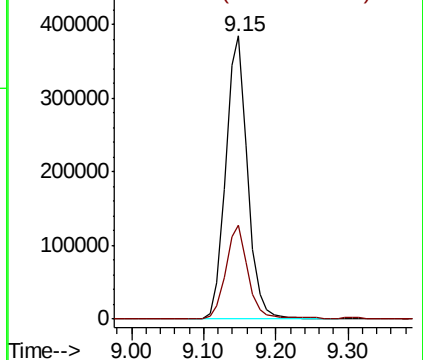
75 100

77 33.2 26.3 39.5



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: 68.914 ug/l

RT: 8.32 min Scan# 823

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

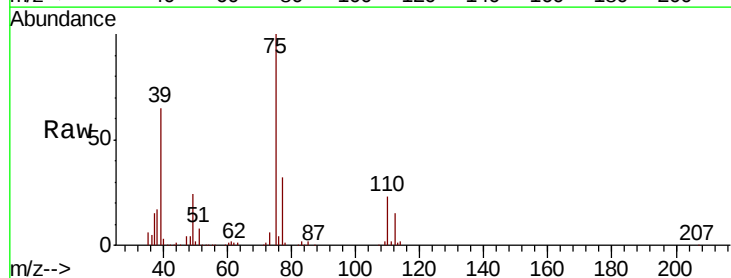
Tgt Ion: 75 Resp: 944120

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

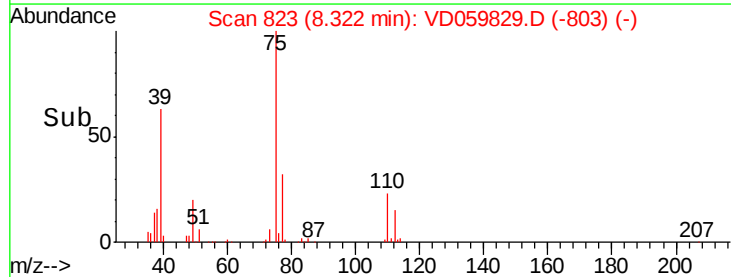
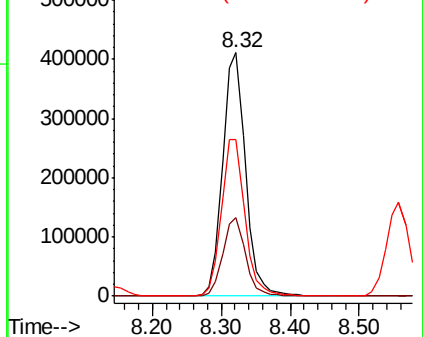
39 64.5 52.2 78.4

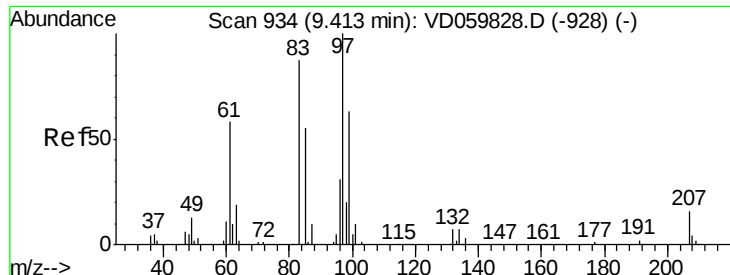


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

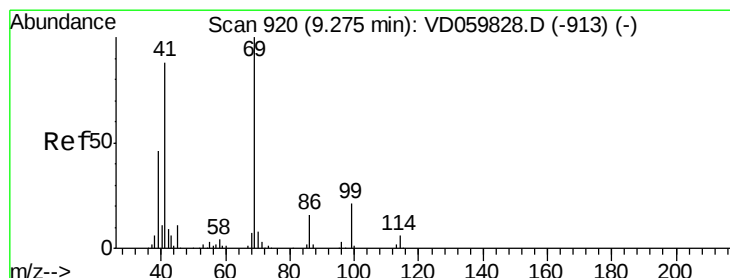
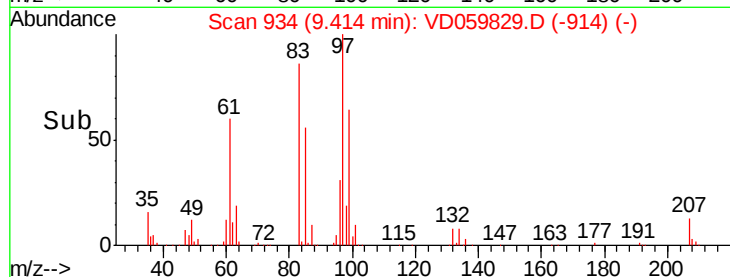
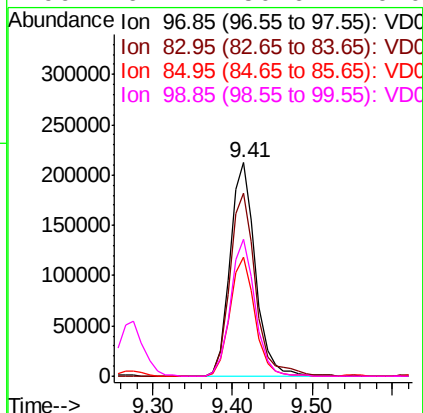
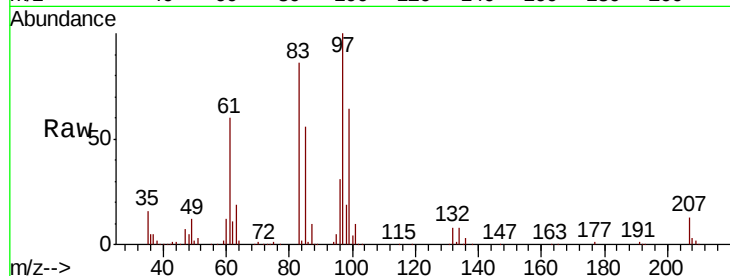




#55
 1,1,2-Trichloroethane
 Concen: 66.791 ug/l
 RT: 9.41 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

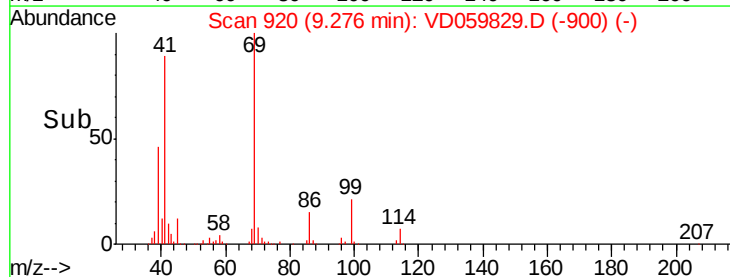
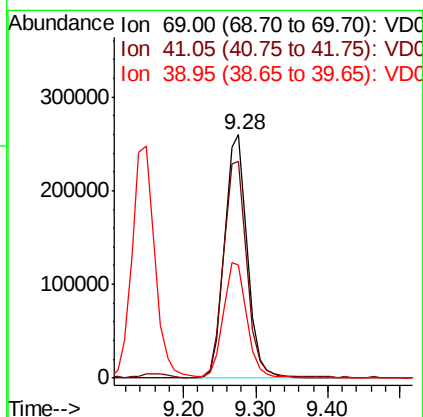
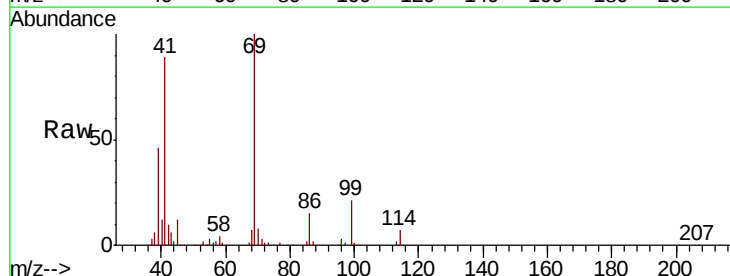
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

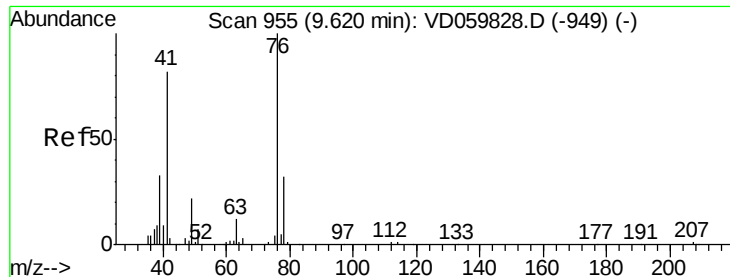
Tgt Ion: 97 Resp: 472872
 Ion Ratio Lower Upper
 97 100
 83 85.5 69.2 103.8
 85 55.7 44.3 66.5
 99 64.4 50.6 76.0



#56
 Ethyl methacrylate
 Concen: 69.680 ug/l
 RT: 9.28 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 69 Resp: 566956
 Ion Ratio Lower Upper
 69 100
 41 88.9 71.0 106.4
 39 46.5 38.0 57.0





#57

1,3-Dichloropropane

Concen: 68.370 ug/l

RT: 9.62 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

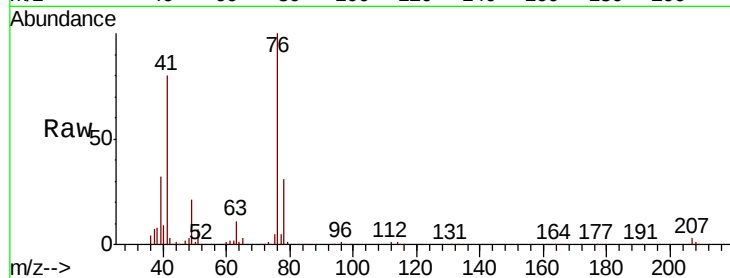
VSTDIC075

Tgt Ion: 76 Resp: 705752

Ion Ratio Lower Upper

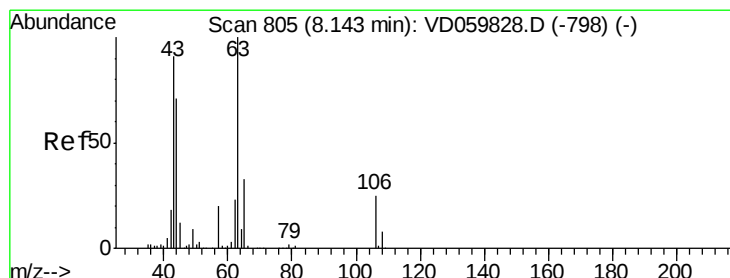
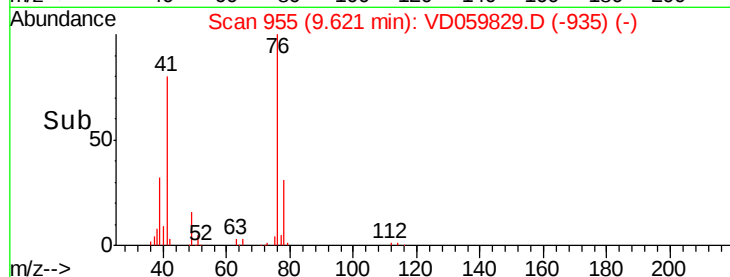
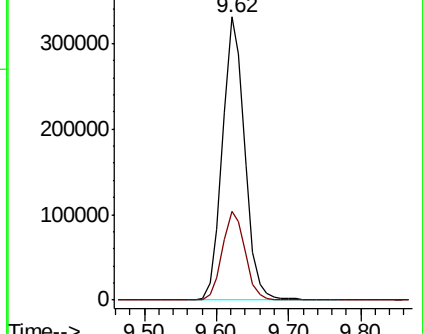
76 100

78 31.3 25.5 38.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 346.034 ug/l

RT: 8.14 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD059829.D

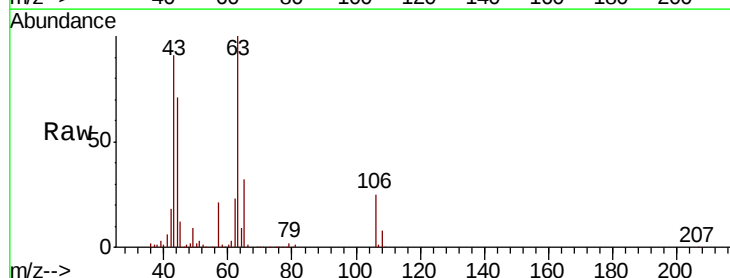
Acq: 20 Aug 2018 13:55

Tgt Ion: 63 Resp: 1446030

Ion Ratio Lower Upper

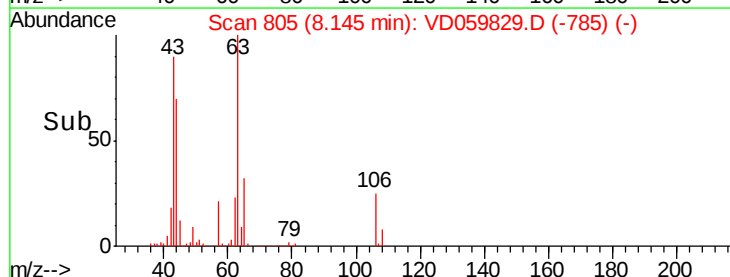
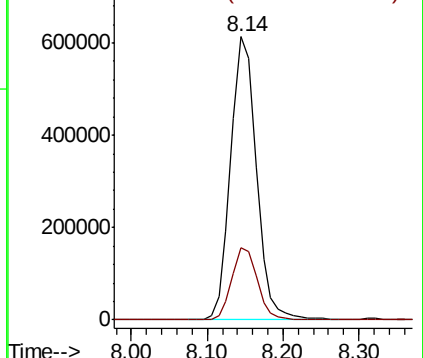
63 100

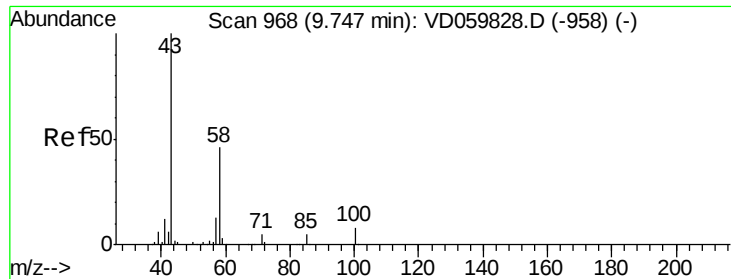
106 25.3 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

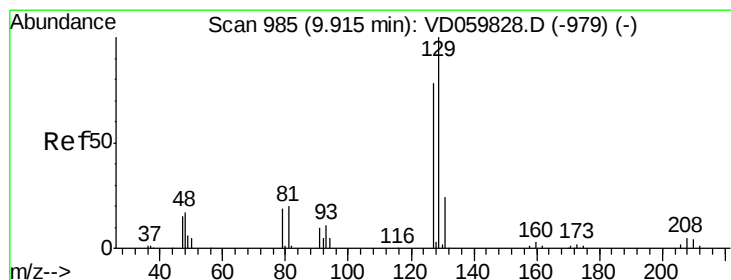
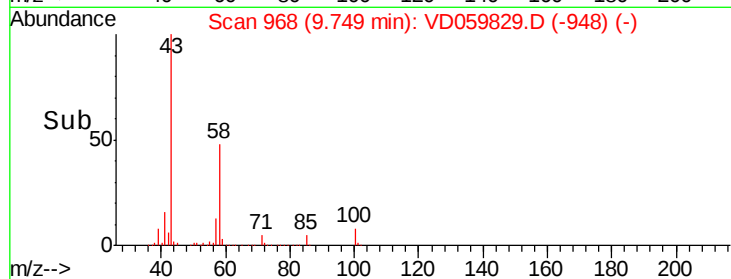
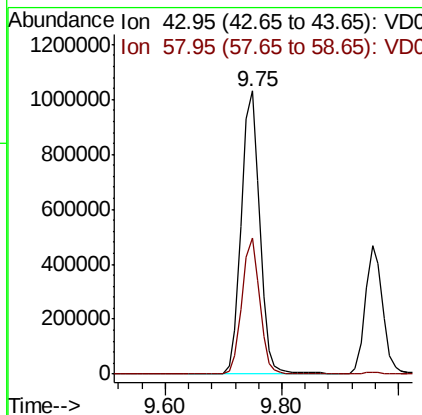
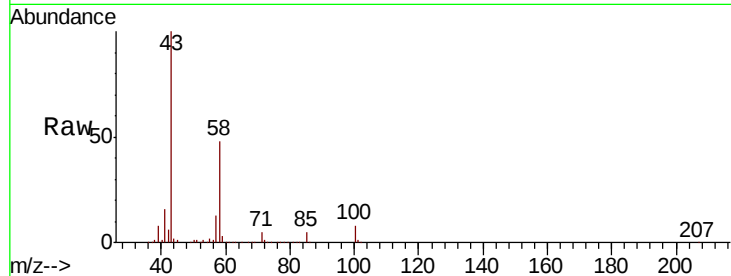




#59
2-Hexanone
Concen: 370.629 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

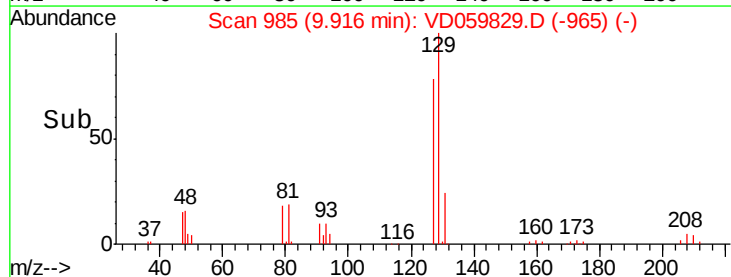
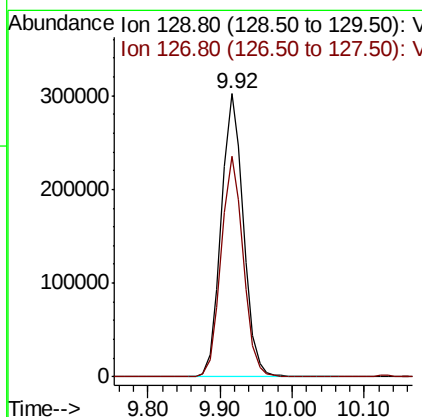
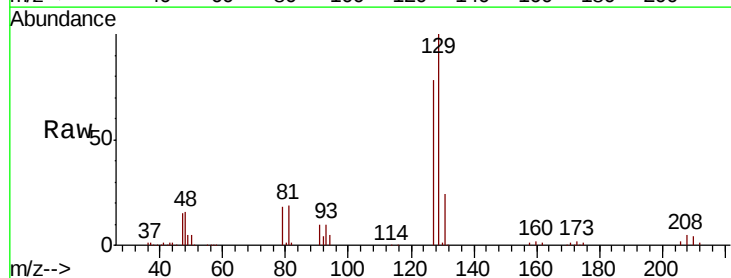
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

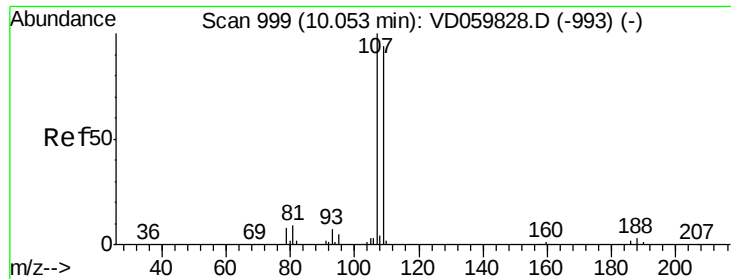
Tgt Ion: 43 Resp: 2276244
Ion Ratio Lower Upper
43 100
58 48.0 23.1 69.2



#60
Dibromochloromethane
Concen: 70.703 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 129 Resp: 643404
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9

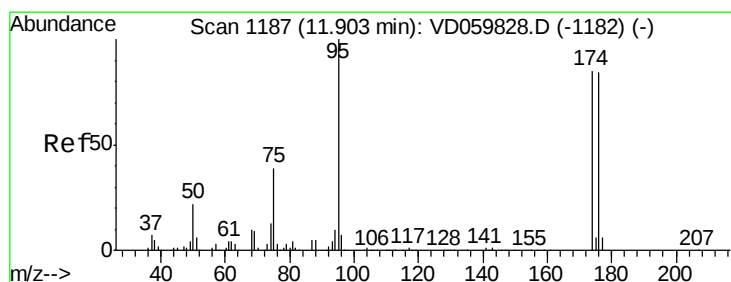
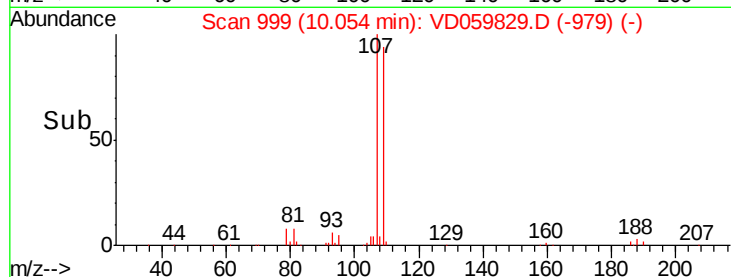
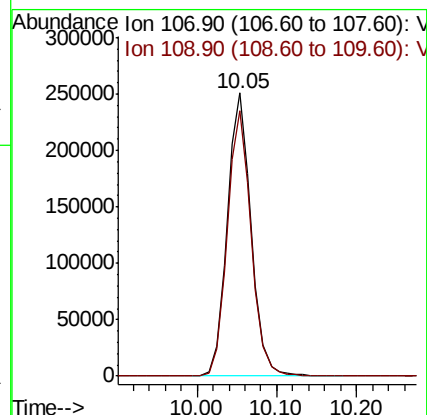
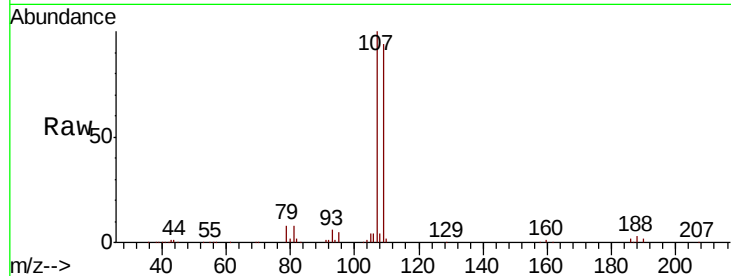




#61
 1,2-Dibromoethane
 Concen: 70.054 ug/l
 RT: 10.05 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

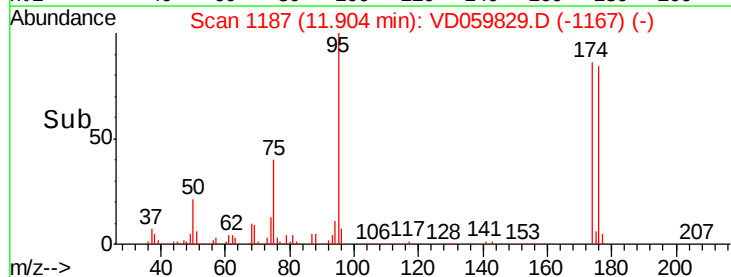
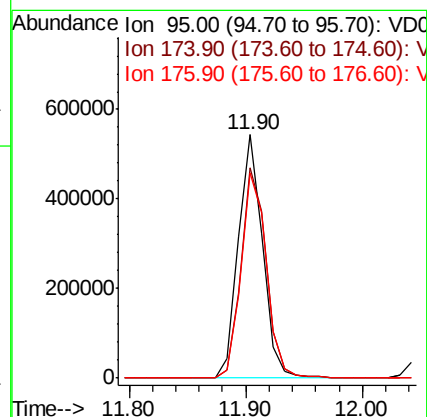
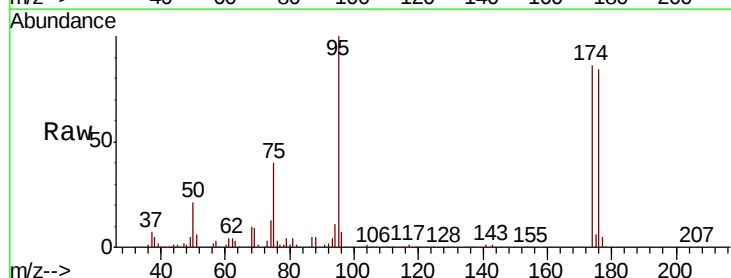
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

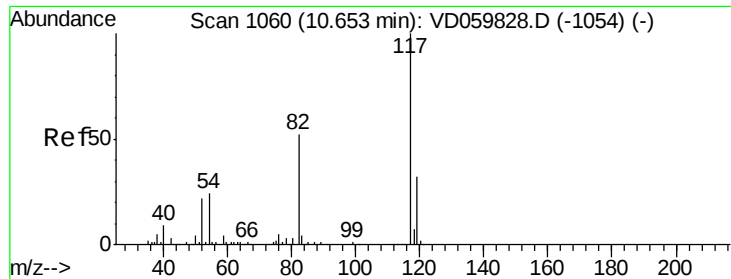
Tgt Ion: 107 Resp: 527505
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 70.054 ug/l
 RT: 11.90 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 95 Resp: 784377
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 169.2
 176 84.4 0.0 168.0

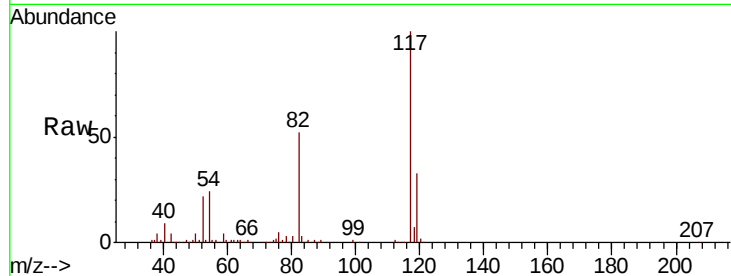




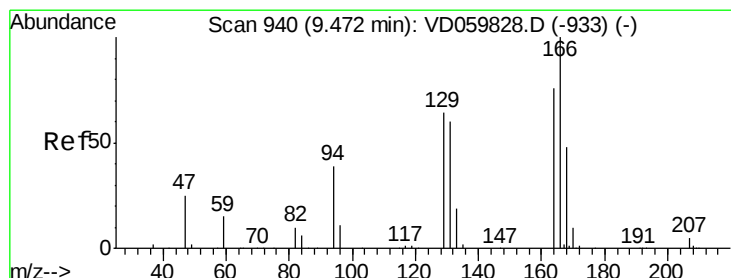
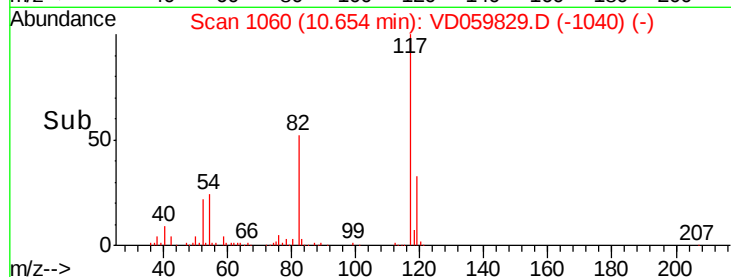
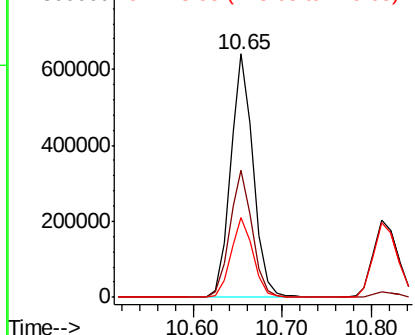
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 1138136
Ion Ratio Lower Upper
117 100
82 52.4 41.6 62.4
119 32.6 25.6 38.4

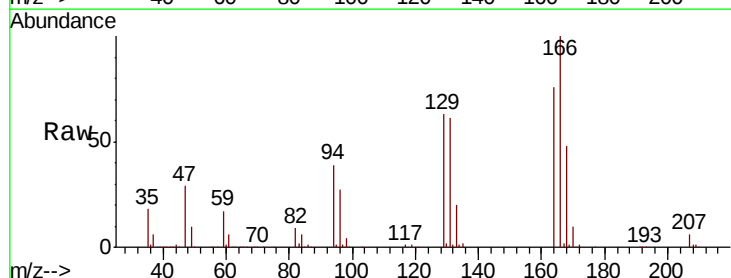


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

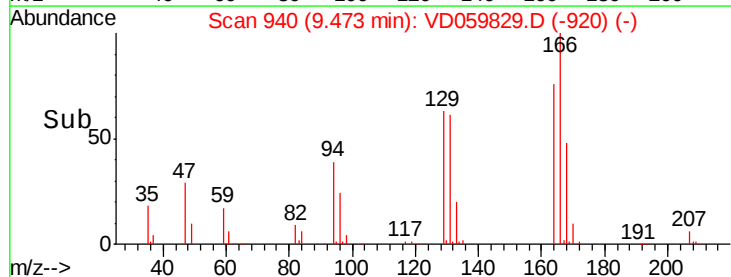
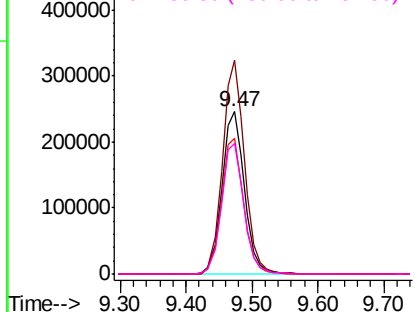


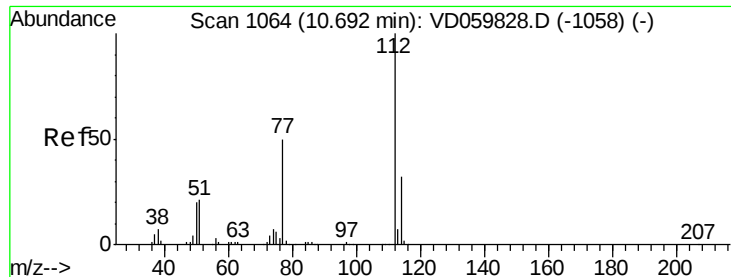
#64
Tetrachloroethene
Concen: 69.572 ug/l
RT: 9.47 min Scan# 940
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:164 Resp: 581513
Ion Ratio Lower Upper
164 100
166 131.5 104.9 157.3
129 83.2 66.7 100.1
131 80.0 63.1 94.7



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

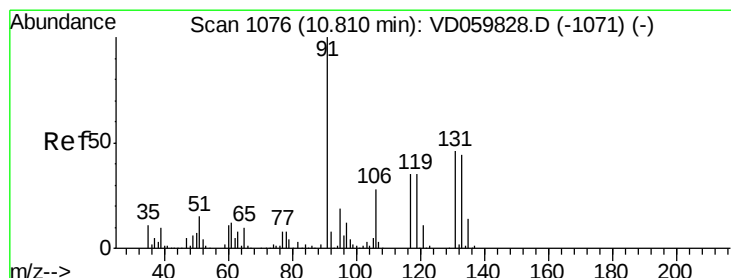
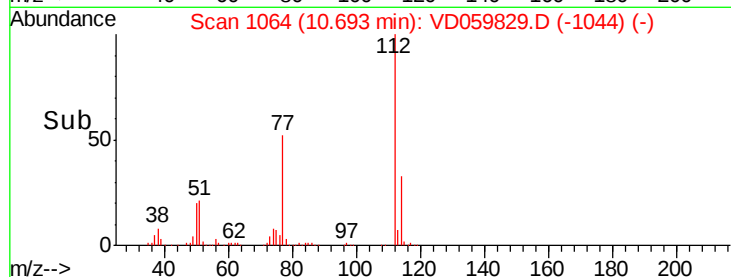
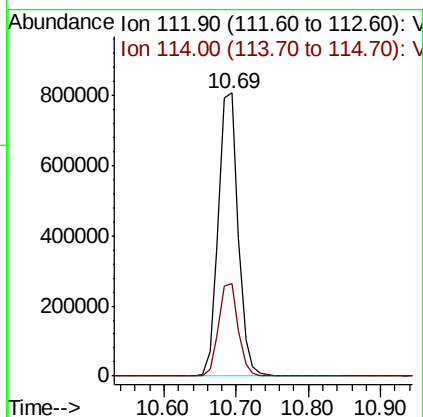
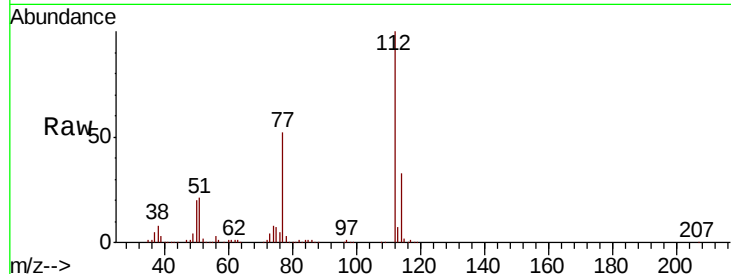




#65
Chlorobenzene
Concen: 69.063 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

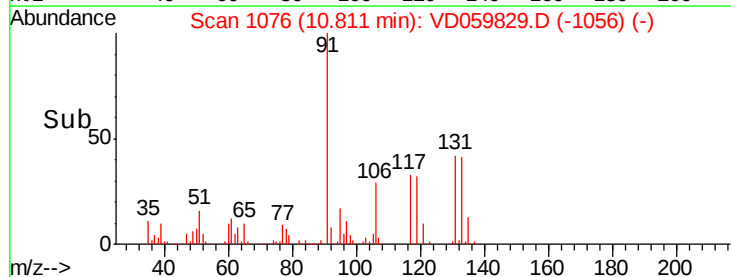
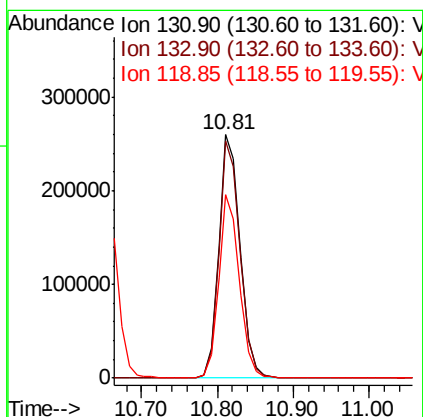
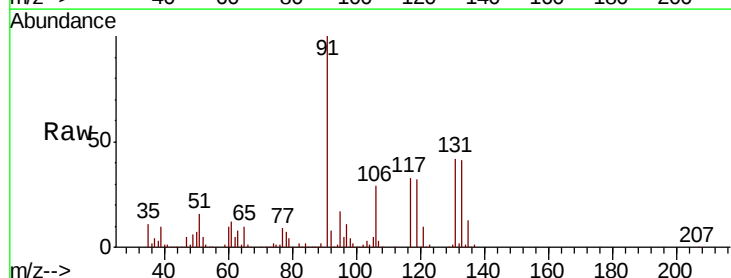
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

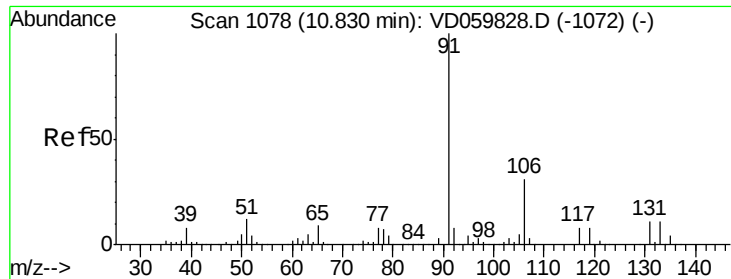
Tgt Ion:112 Resp: 1529285
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 66.327 ug/l
RT: 10.81 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:131 Resp: 507174
Ion Ratio Lower Upper
131 100
133 97.4 47.1 141.4
119 75.1 37.5 112.7

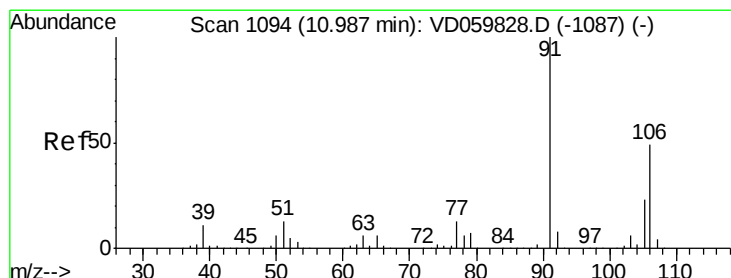
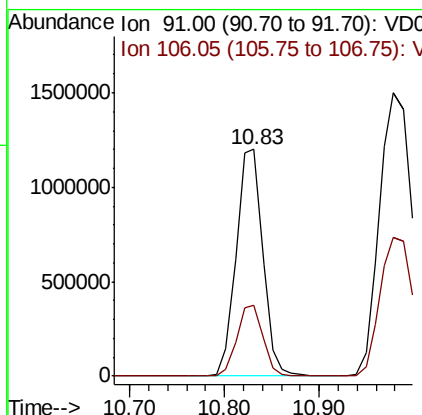
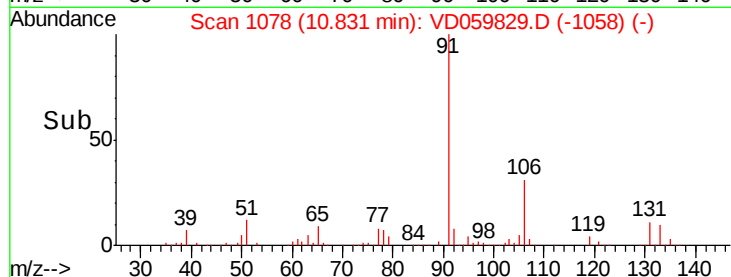
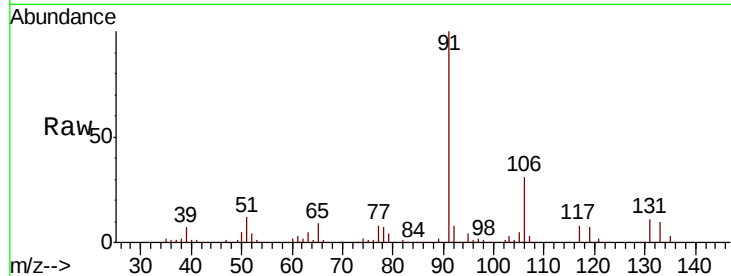




#67
Ethyl Benzene
Concen: 64.287 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

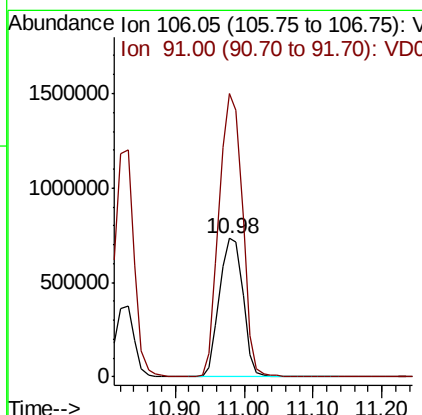
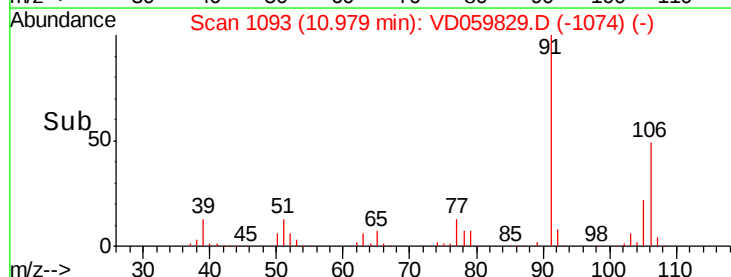
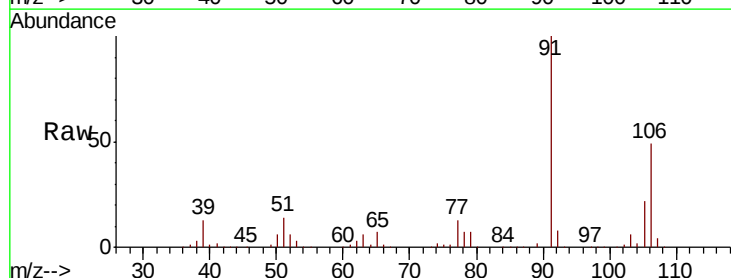
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

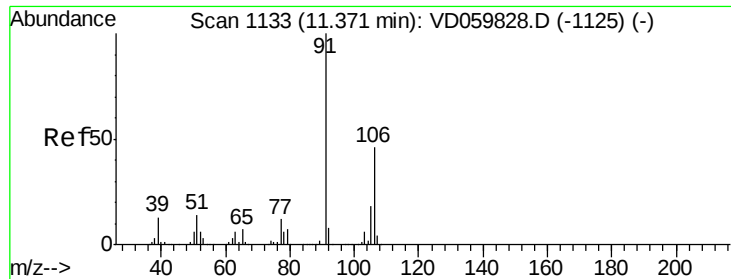
Tgt Ion: 91 Resp: 2334698
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 130.929 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 106 Resp: 1741719
Ion Ratio Lower Upper
106 100
91 204.1 161.8 242.8

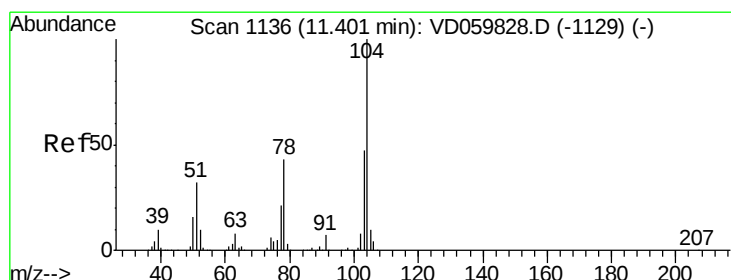
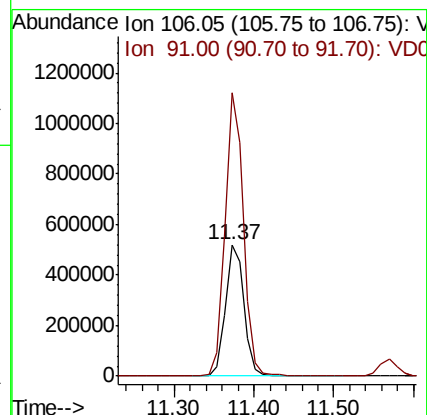
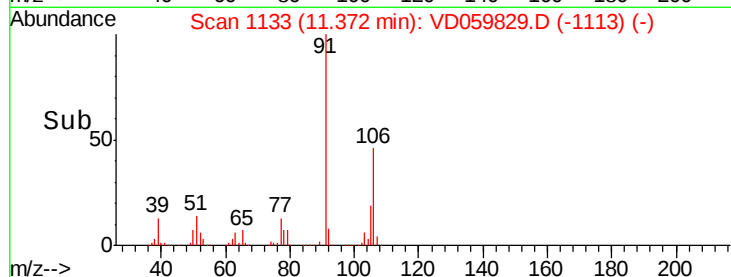
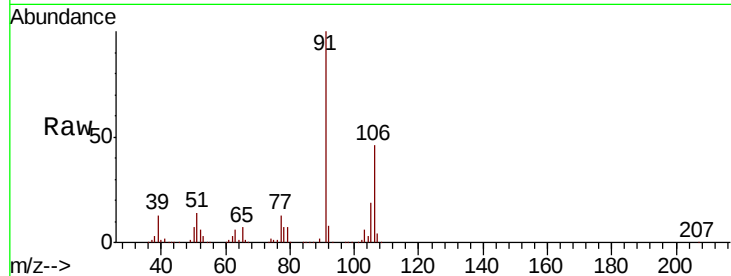




#69
o-Xylene
Concen: 66.136 ug/l
RT: 11.37 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

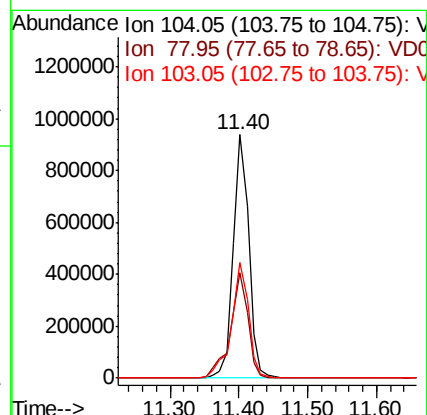
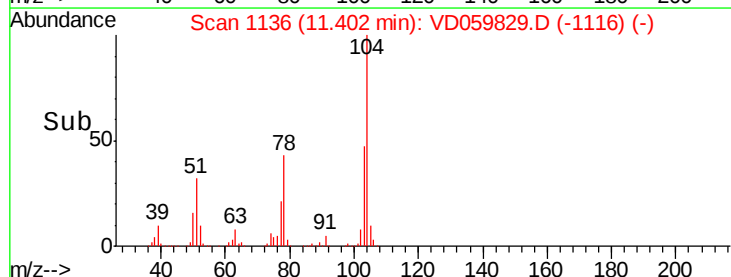
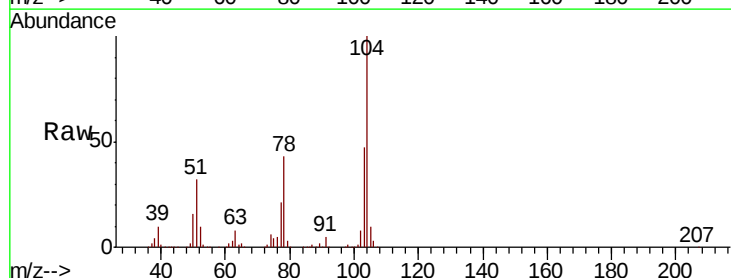
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

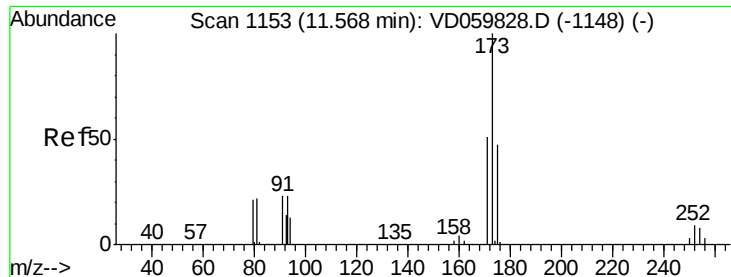
Tgt Ion:106 Resp: 859598
Ion Ratio Lower Upper
106 100
91 215.9 108.5 325.3



#70
Styrene
Concen: 65.368 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:104 Resp: 1472438
Ion Ratio Lower Upper
104 100
78 43.5 34.6 52.0
103 47.2 37.8 56.6

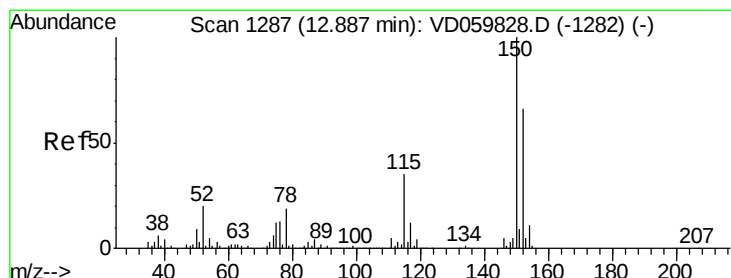
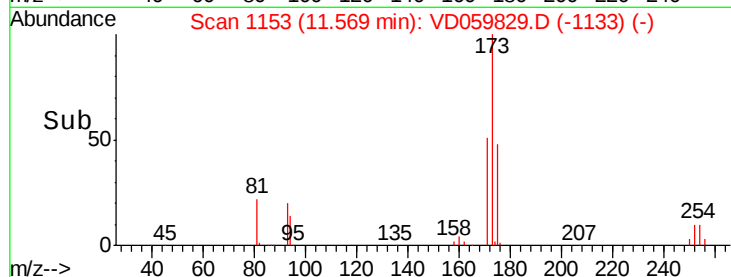
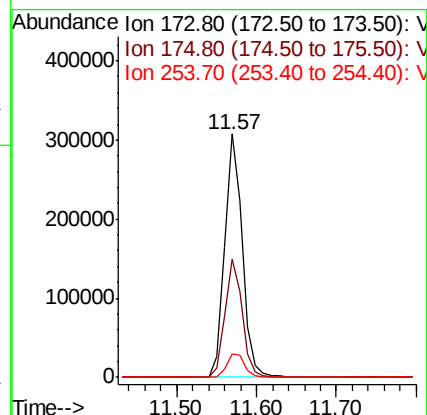
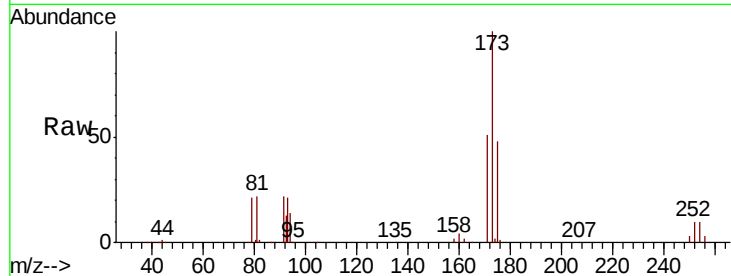




#71
Bromoform
Concen: 71.620 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

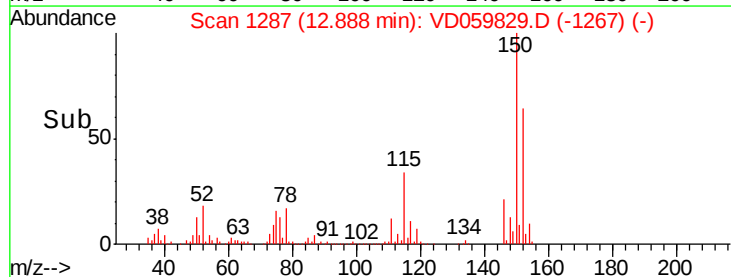
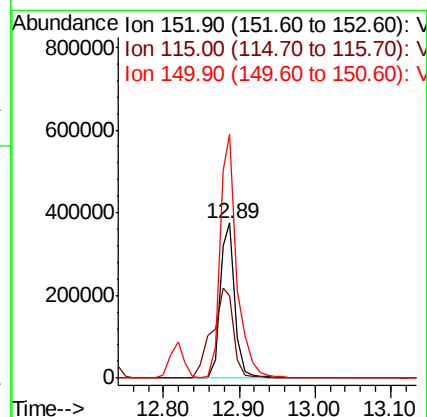
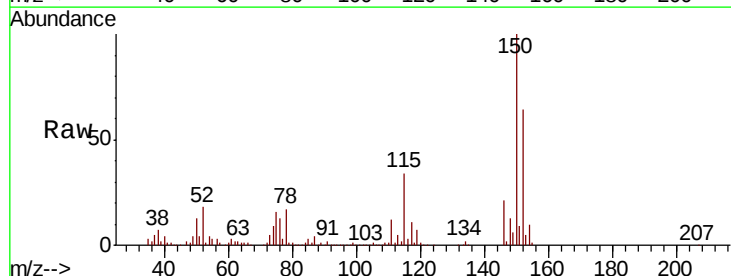
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

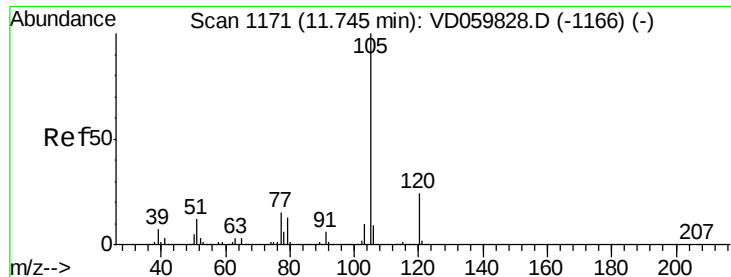
Tgt Ion:173 Resp: 478680
Ion Ratio Lower Upper
173 100
175 48.4 23.7 71.1
254 9.8 6.7 10.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:152 Resp: 518537
Ion Ratio Lower Upper
152 100
115 53.1 26.9 80.6
150 156.8 0.0 306.8





#73

Isopropylbenzene

Concen: 64.401 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

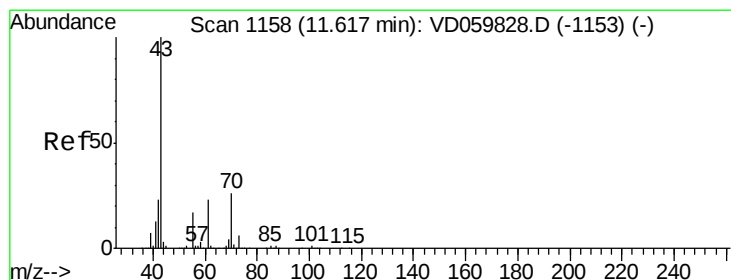
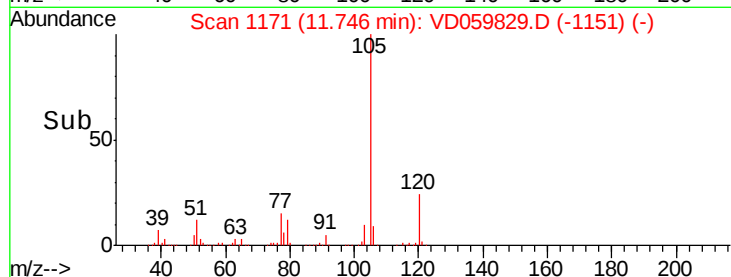
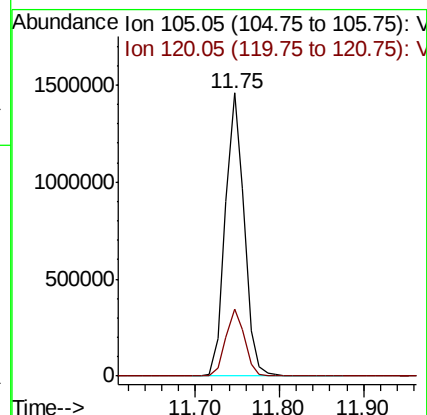
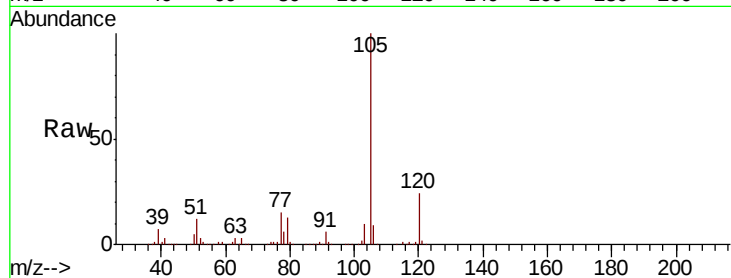
VSTDIC075

Tgt Ion:105 Resp: 2277814

Ion Ratio Lower Upper

105 100

120 23.7 11.9 35.5



#74

N-ethyl acetate

Concen: 69.700 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Tgt Ion: 43 Resp: 1090031

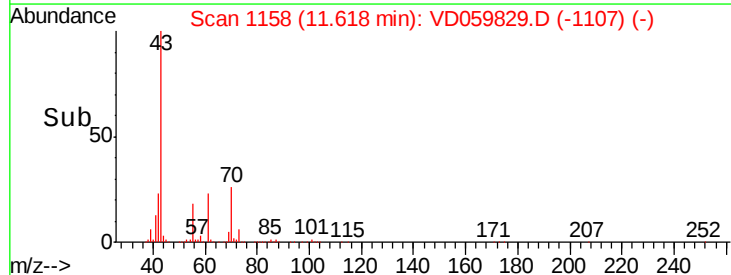
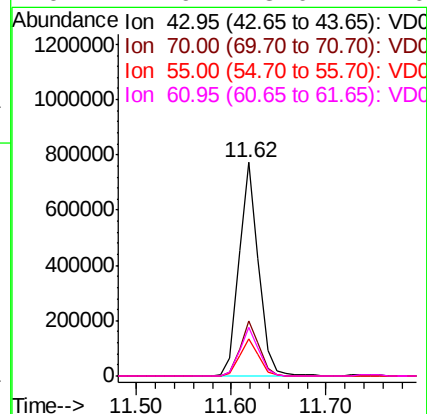
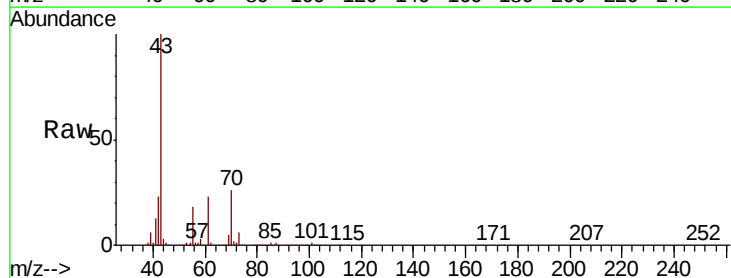
Ion Ratio Lower Upper

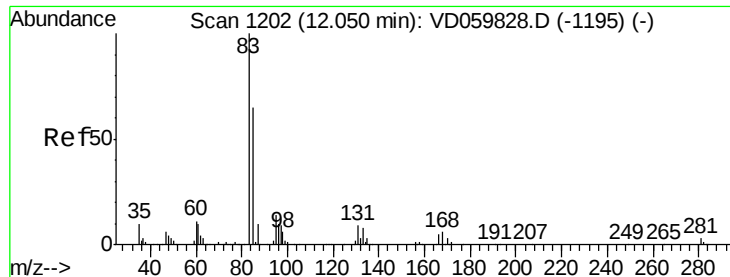
43 100

70 26.0 20.5 30.7

55 17.6 13.7 20.5

61 22.9 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 68.798 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

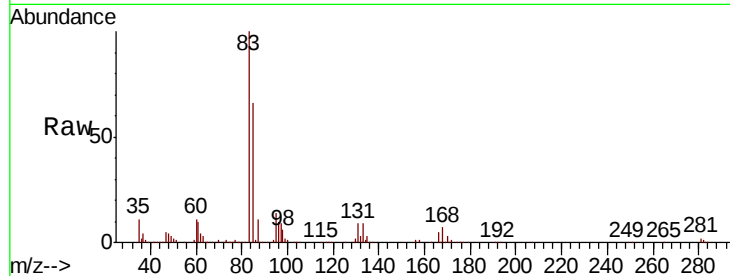
Tgt Ion: 83 Resp: 559456

Ion Ratio Lower Upper

83 100

131 9.1 4.3 13.1

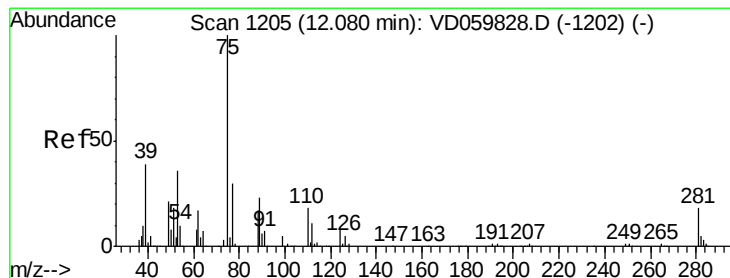
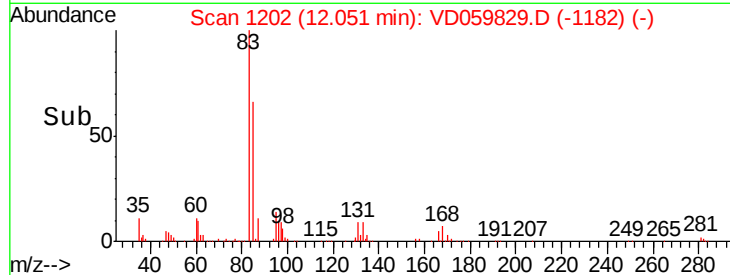
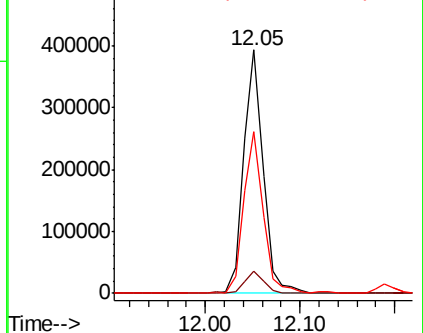
85 66.2 32.5 97.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 67.466 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059829.D

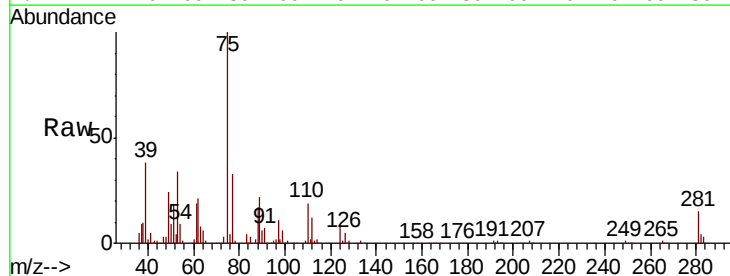
Acq: 20 Aug 2018 13:55

Tgt Ion: 75 Resp: 571675

Ion Ratio Lower Upper

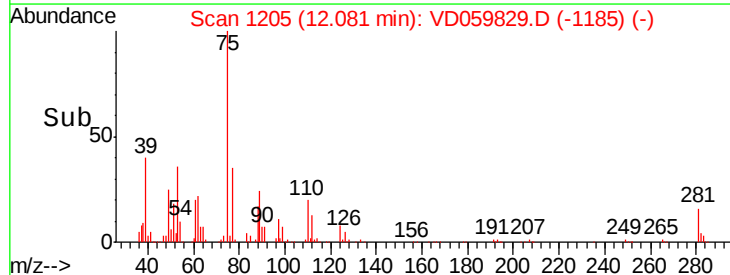
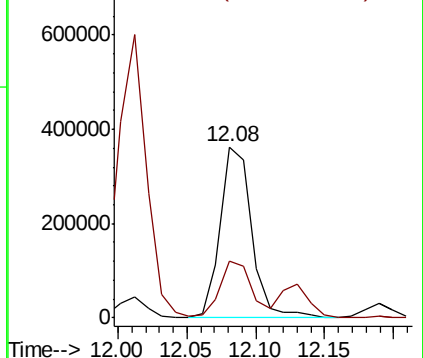
75 100

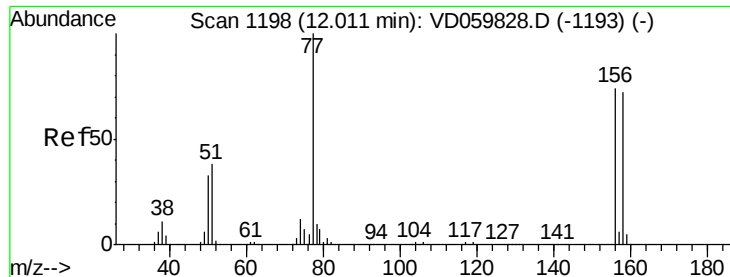
77 33.1 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 66.846 ug/l

RT: 12.01 min Scan# 1198

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

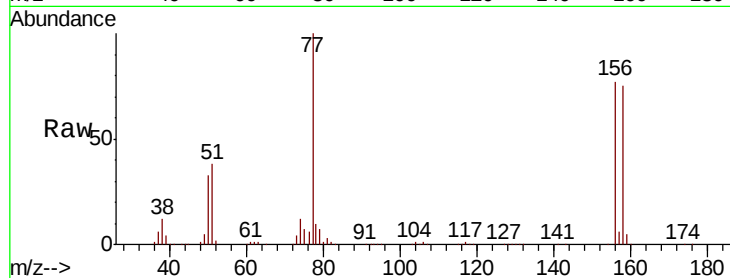
Tgt Ion:156 Resp: 656391

Ion Ratio Lower Upper

156 100

77 130.2 68.0 204.0

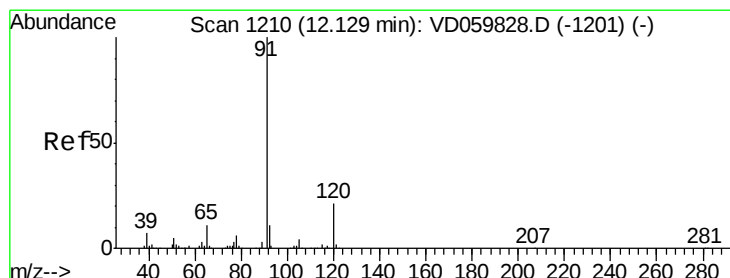
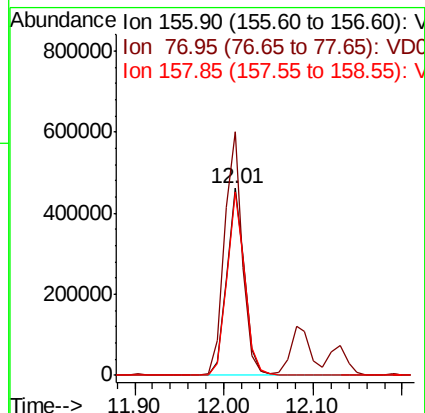
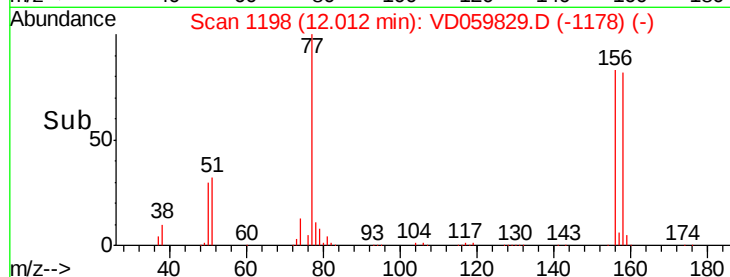
158 98.1 48.9 146.8



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: 64.166 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VD059829.D

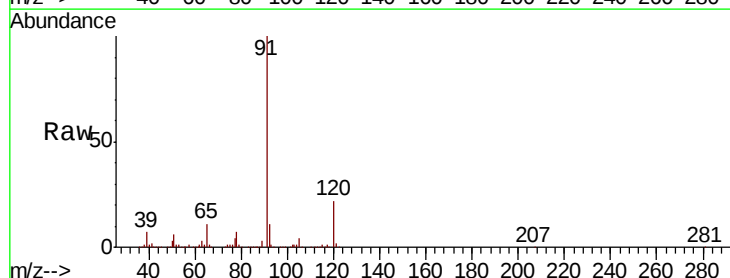
Acq: 20 Aug 2018 13:55

Tgt Ion: 91 Resp: 2851425

Ion Ratio Lower Upper

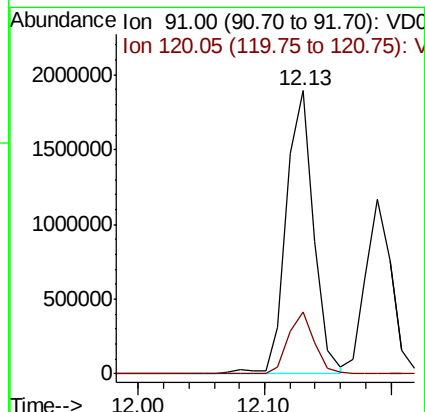
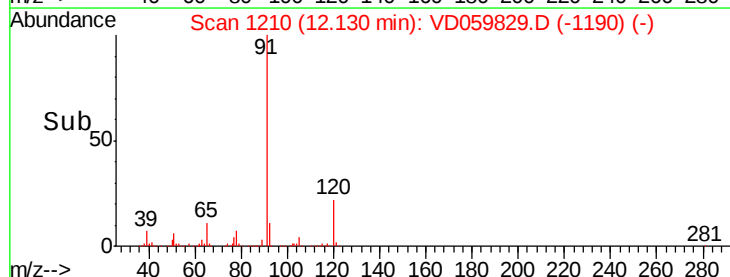
91 100

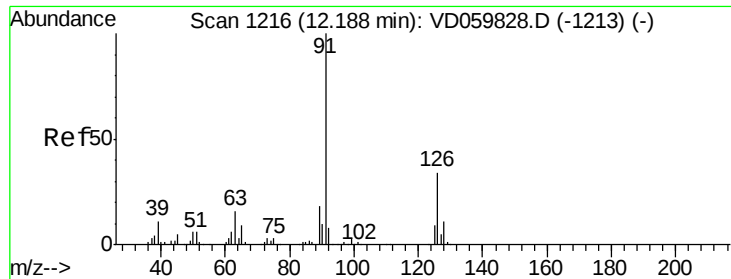
120 21.7 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

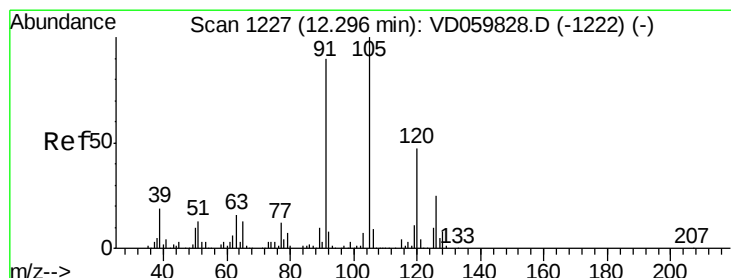
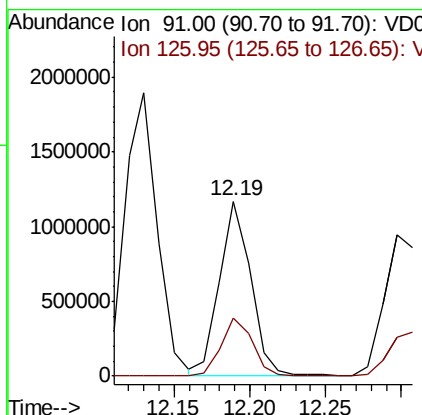
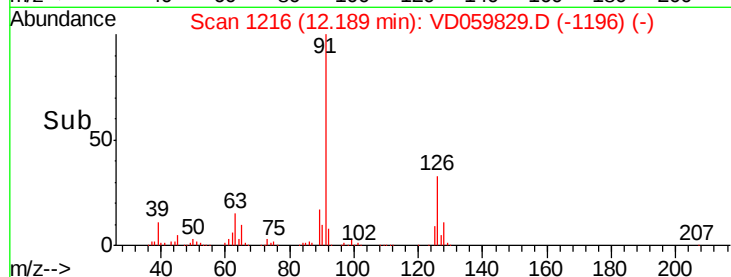
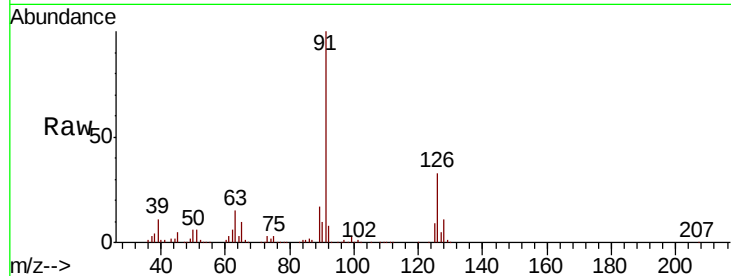




#79
 2-Chlorotoluene
 Concen: 65.919 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

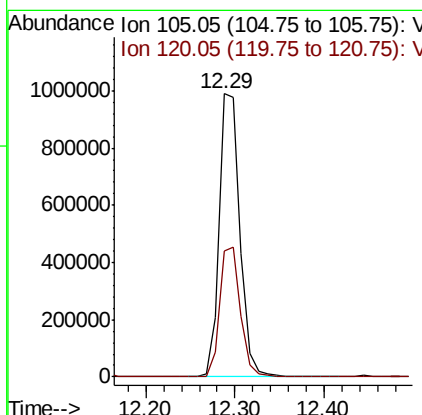
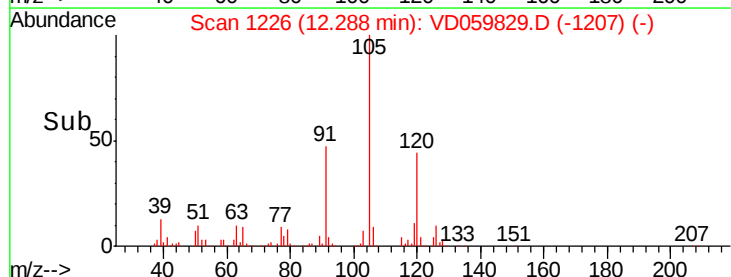
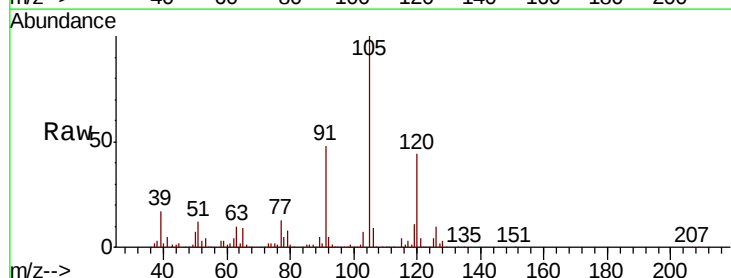
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

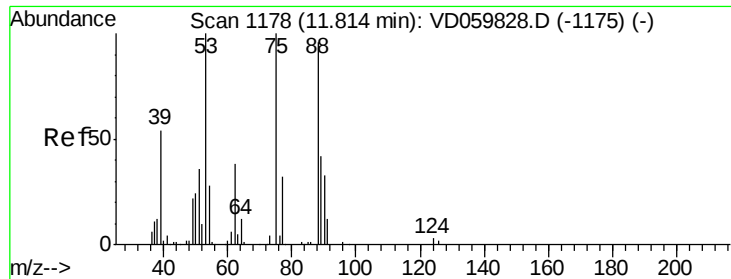
Tgt Ion: 91 Resp: 1672639
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 60.872 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 105 Resp: 1614855
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 70.889 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

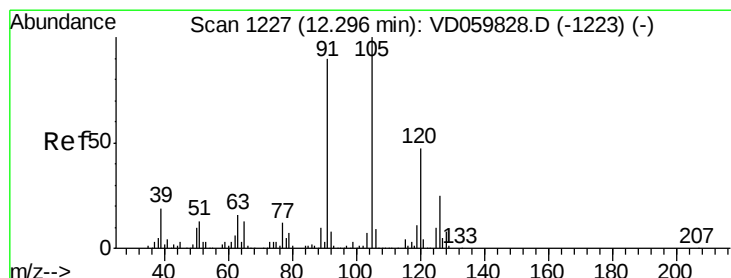
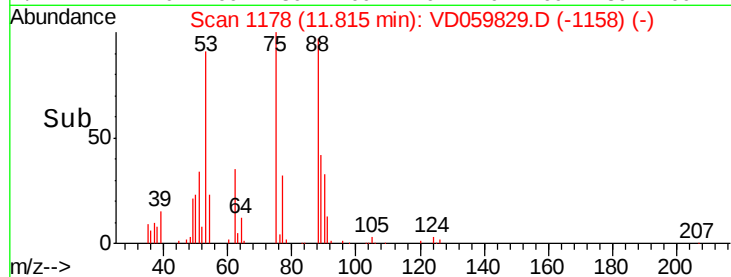
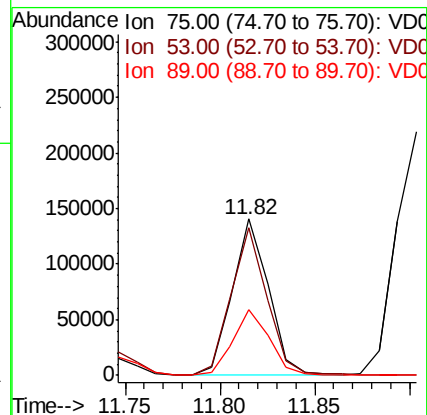
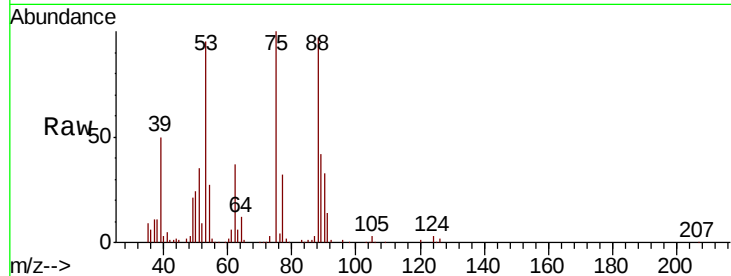
Tgt Ion: 75 Resp: 185801

Ion Ratio Lower Upper

75 100

53 94.7 80.7 121.1

89 41.7 33.9 50.9



#82

4-Chlorotoluene

Concen: 58.847 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD059829.D

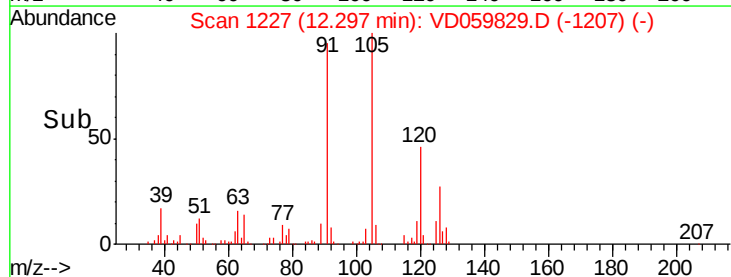
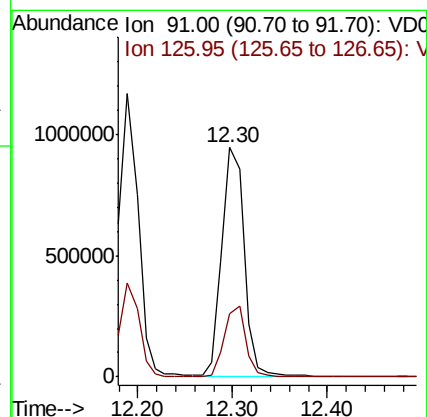
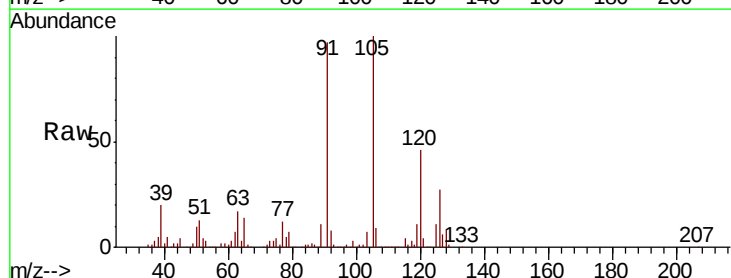
Acq: 20 Aug 2018 13:55

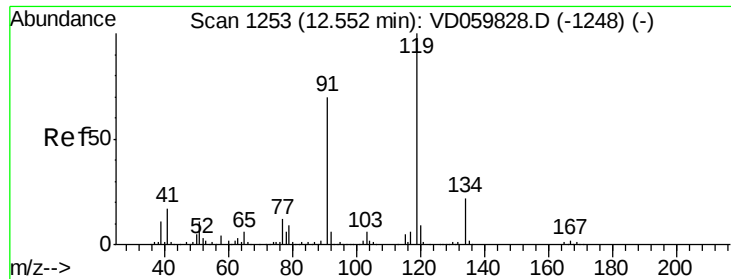
Tgt Ion: 91 Resp: 1552410

Ion Ratio Lower Upper

91 100

126 27.8 13.7 41.0





#83

tert-Butylbenzene

Concen: 64.864 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

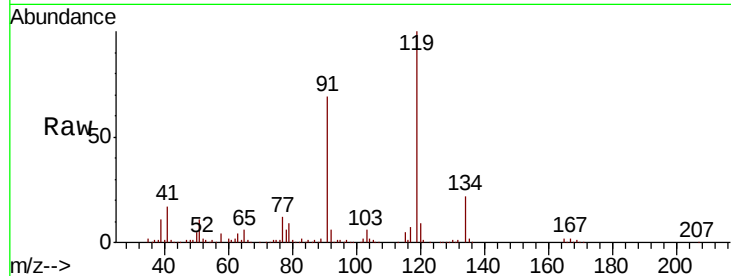
Tgt Ion:119 Resp: 2022237

Ion Ratio Lower Upper

119 100

91 69.1 35.1 105.3

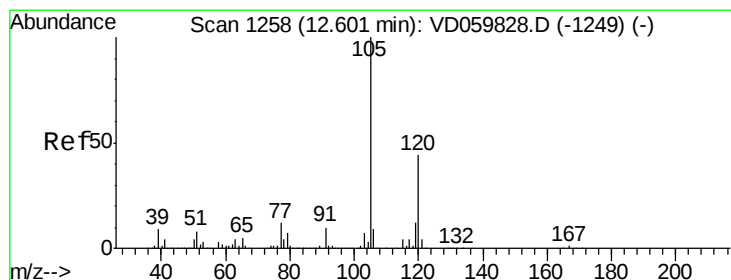
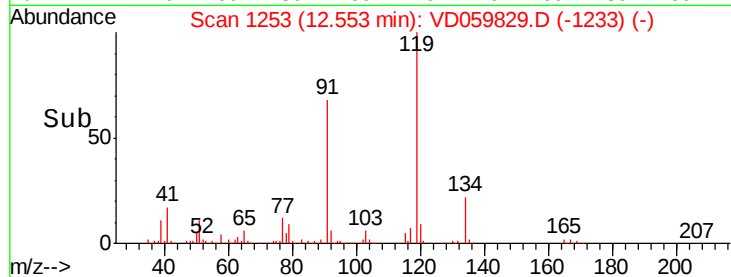
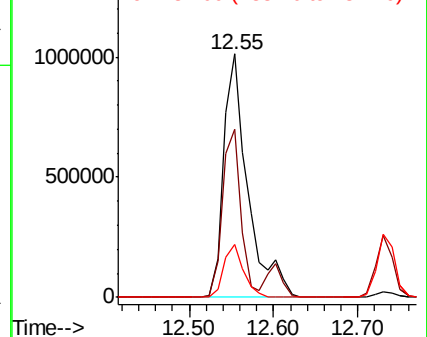
134 22.0 11.0 33.0



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: 62.714 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059829.D

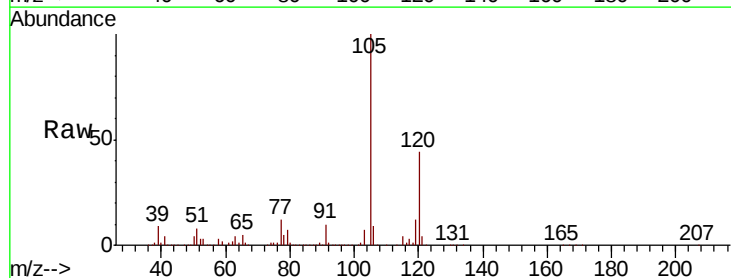
Acq: 20 Aug 2018 13:55

Tgt Ion:105 Resp: 1841472

Ion Ratio Lower Upper

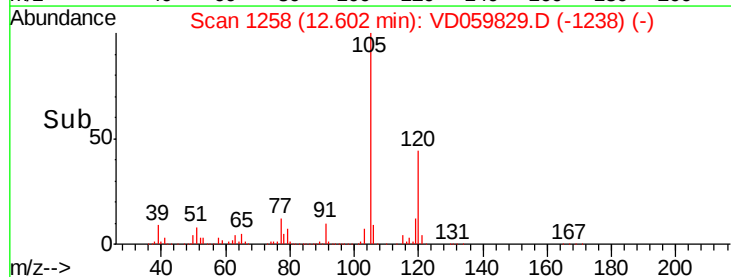
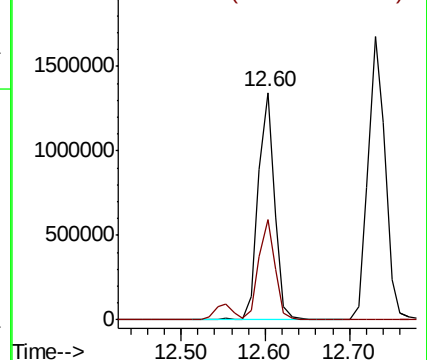
105 100

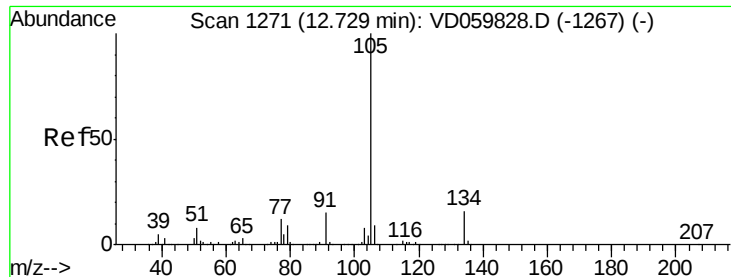
120 43.9 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

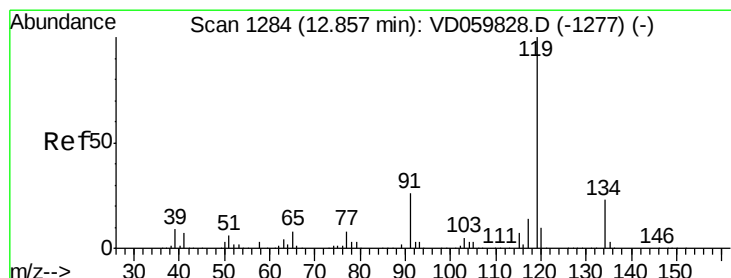
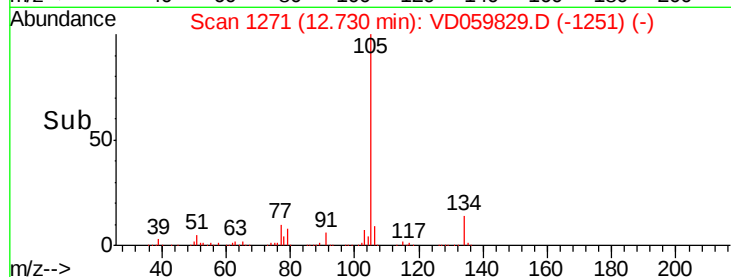
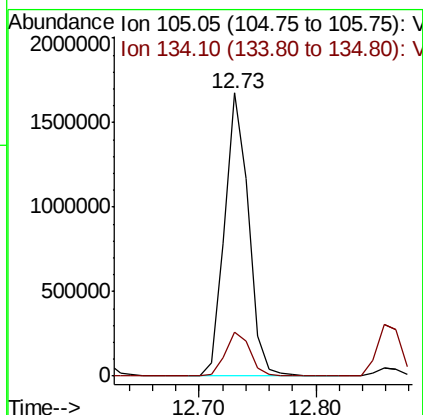
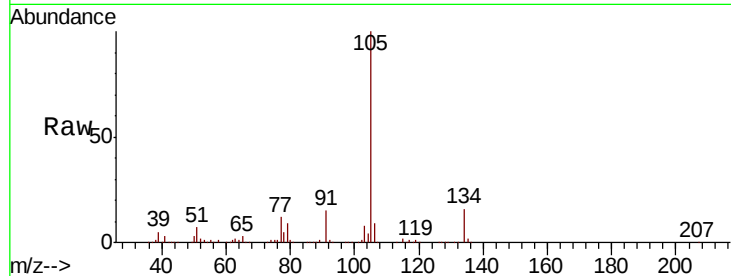




#85
 sec-Butylbenzene
 Concen: 63.293 ug/l
 RT: 12.73 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

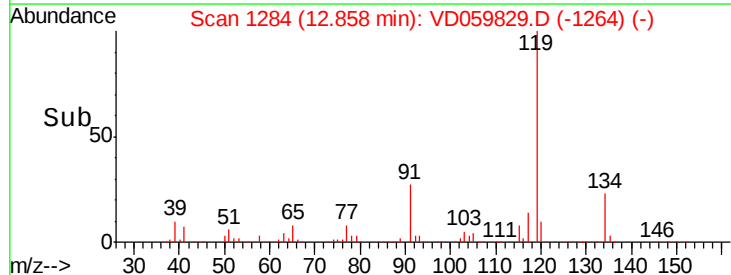
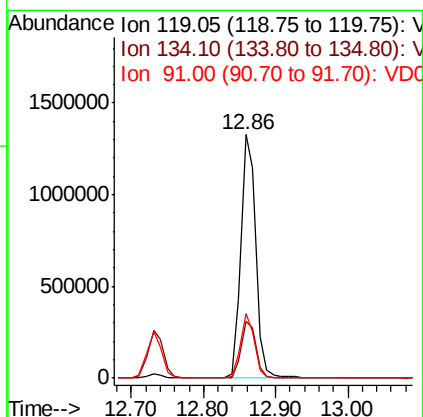
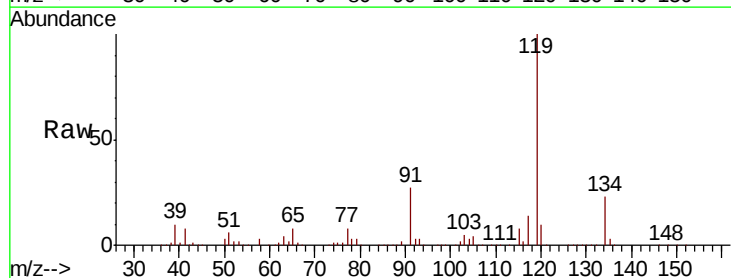
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

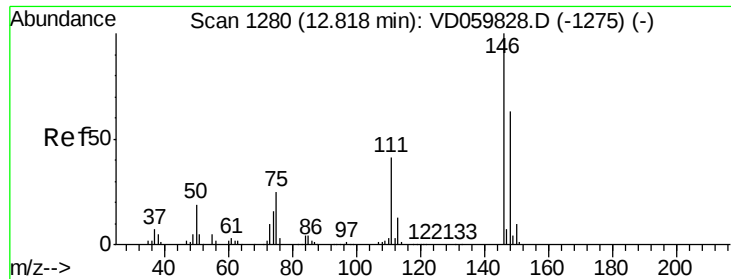
Tgt Ion:105 Resp: 2367506
 Ion Ratio Lower Upper
 105 100
 134 15.6 7.8 23.5



#86
 p-Isopropyltoluene
 Concen: 65.168 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion:119 Resp: 1913469
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.5
 91 26.7 13.2 39.6





#87

1,3-Dichlorobenzene

Concen: 66.499 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

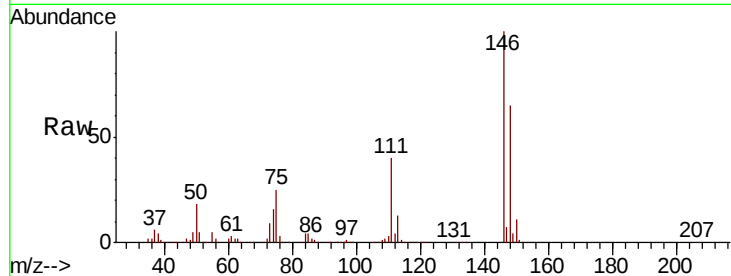
Tgt Ion:146 Resp: 1101030

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.9

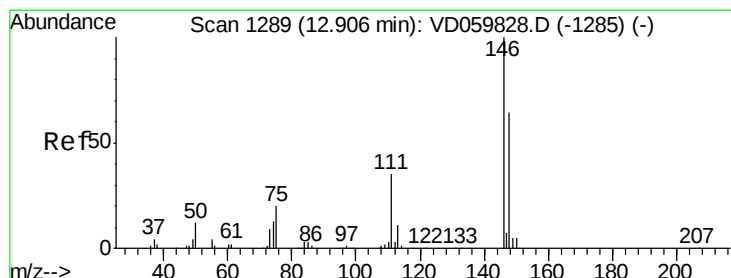
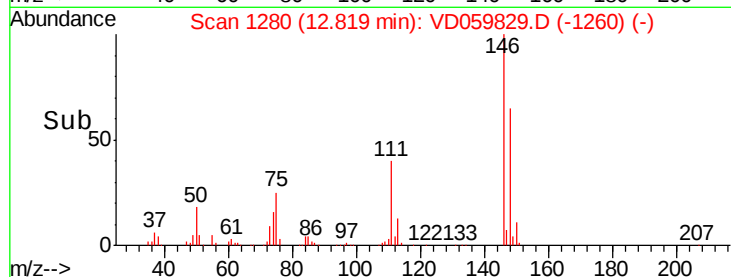
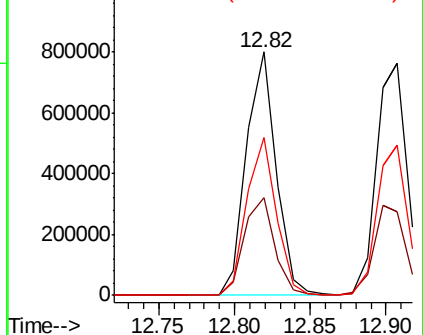
148 65.0 31.6 94.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 67.005 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

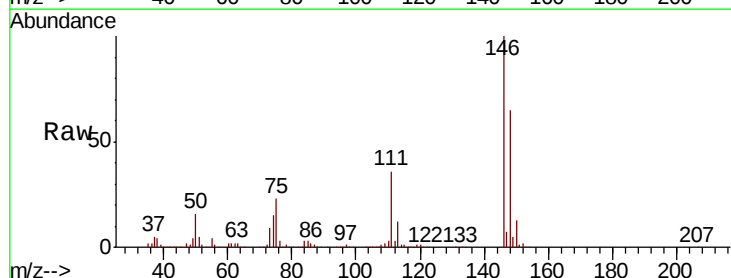
Tgt Ion:146 Resp: 1116217

Ion Ratio Lower Upper

146 100

111 35.9 17.8 53.3

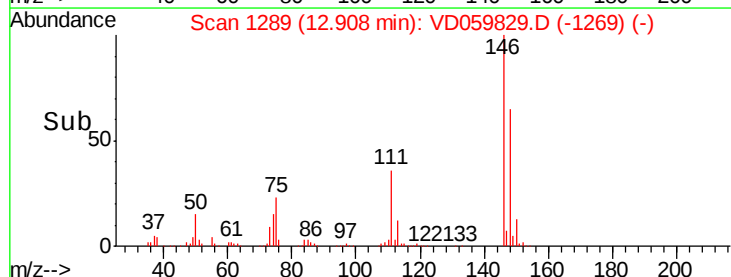
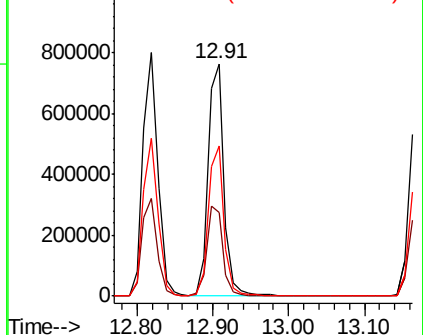
148 64.7 31.9 95.9

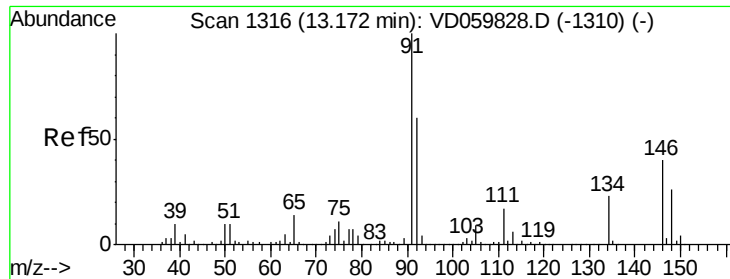


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

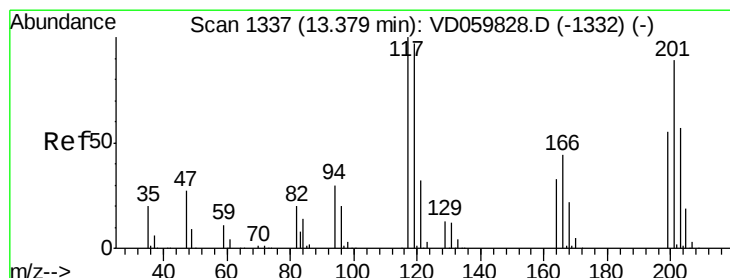
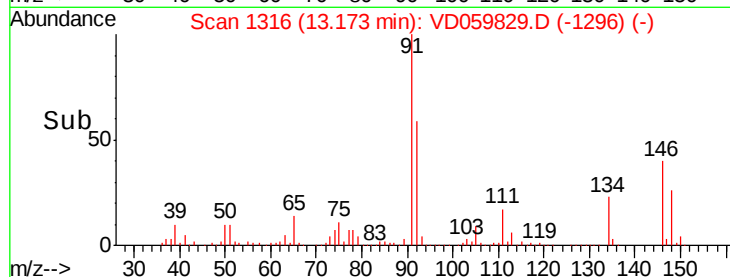
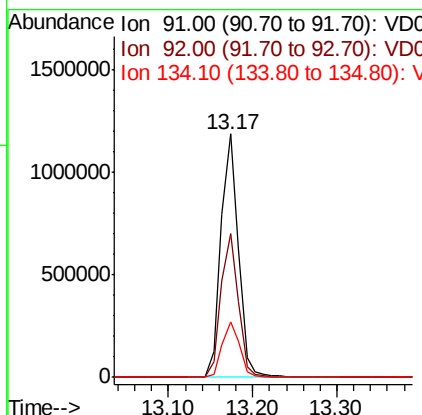
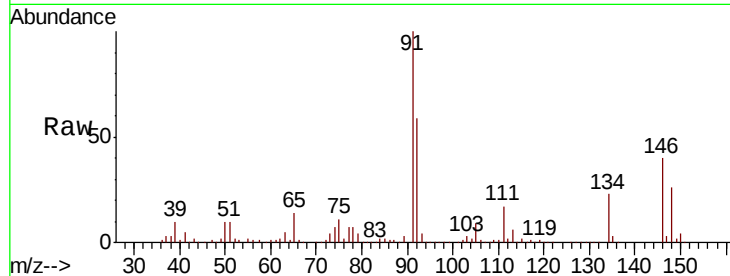




#89
n-Butylbenzene
Concen: 58.152 ug/l
RT: 13.17 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

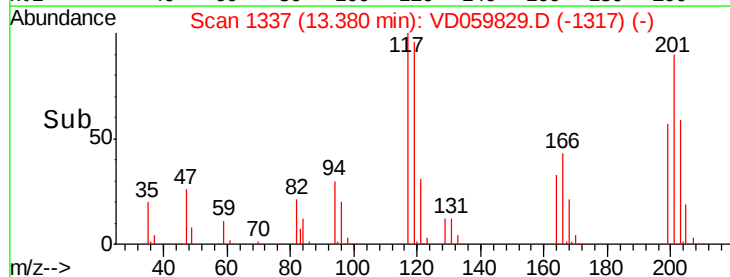
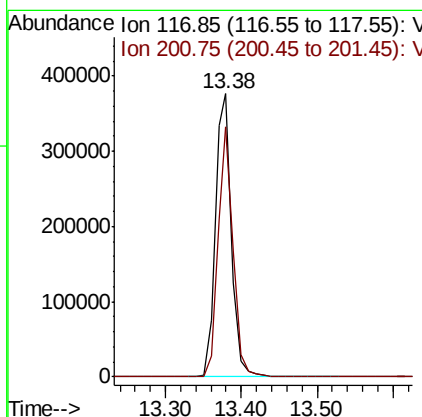
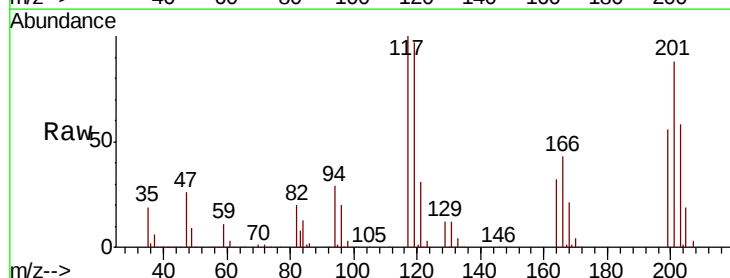
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

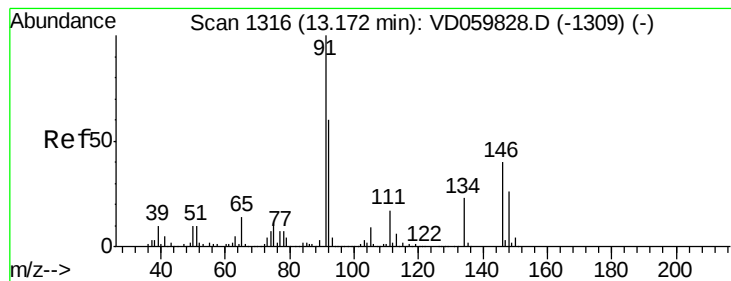
Tgt Ion: 91 Resp: 1712856
Ion Ratio Lower Upper
91 100
92 58.8 29.8 89.5
134 23.0 11.5 34.4



#90
Hexachloroethane
Concen: 68.263 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 117 Resp: 566171
Ion Ratio Lower Upper
117 100
201 88.5 44.6 134.0





#91

1,2-Dichlorobenzene

Concen: 60.032 ug/l

RT: 13.16 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

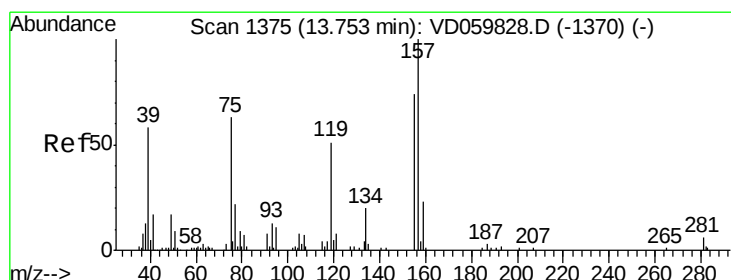
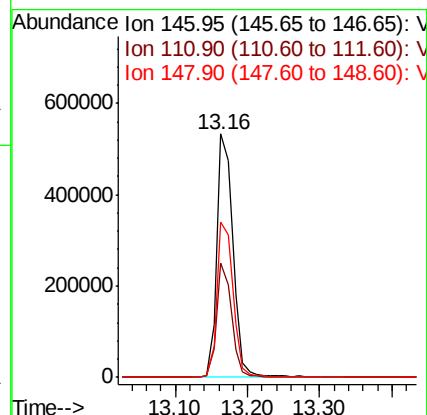
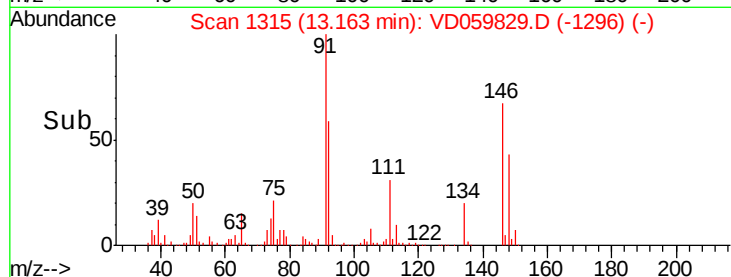
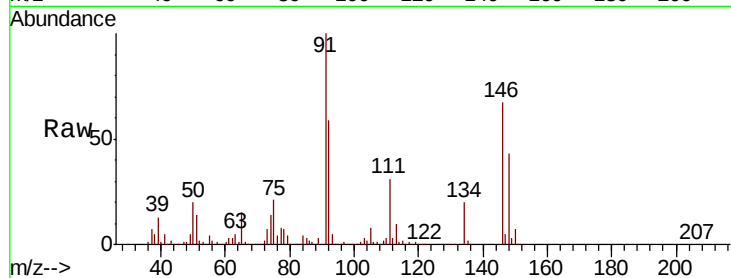
Tgt Ion:146 Resp: 809267

Ion Ratio Lower Upper

146 100

111 47.0 20.9 62.8

148 64.0 31.6 94.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 69.640 ug/l

RT: 13.74 min Scan# 1374

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

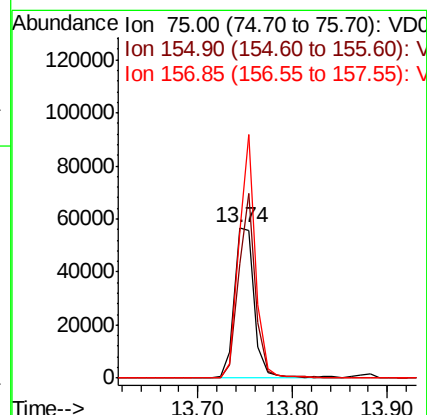
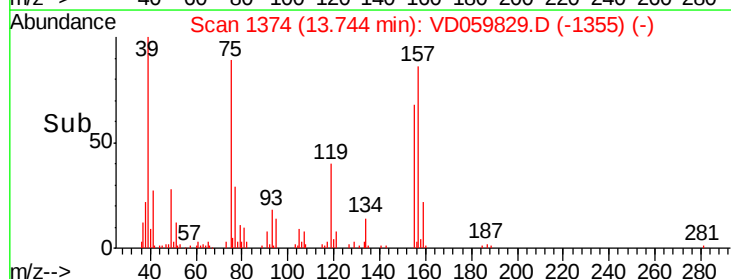
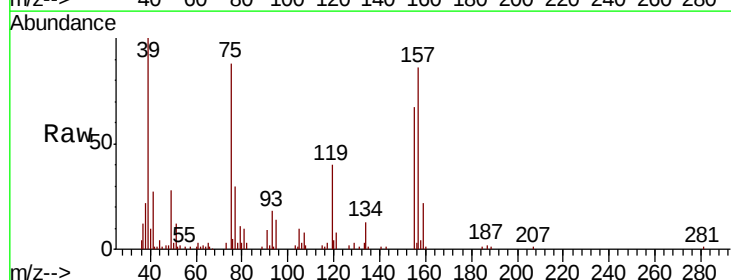
Tgt Ion: 75 Resp: 83896

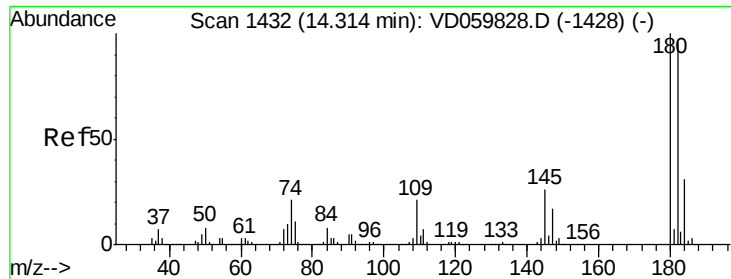
Ion Ratio Lower Upper

75 100

155 76.1 59.1 177.3

157 97.1 79.7 238.9

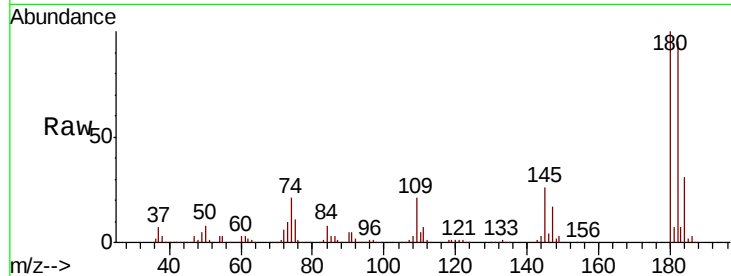




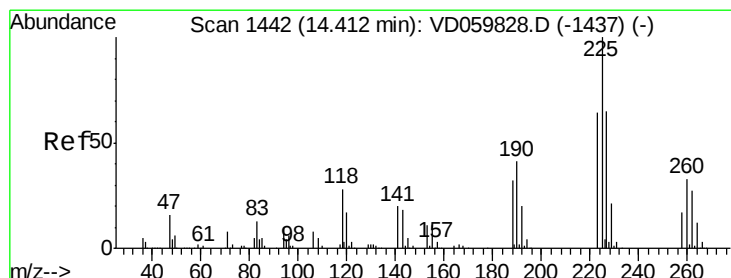
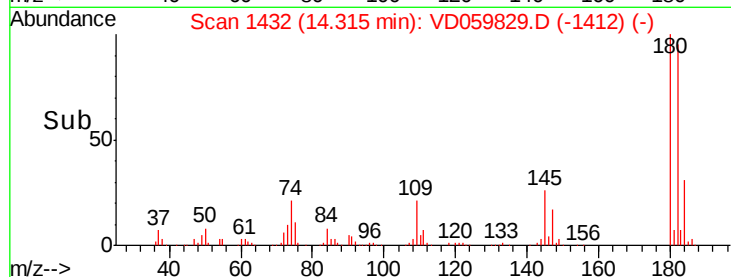
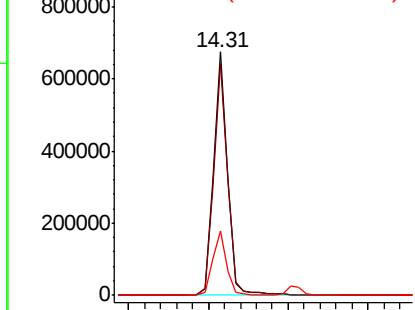
#93
 1,2,4-Trichlorobenzene
 Concen: 69.320 ug/l
 RT: 14.31 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 833946
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.0
 145 26.3 13.1 39.1

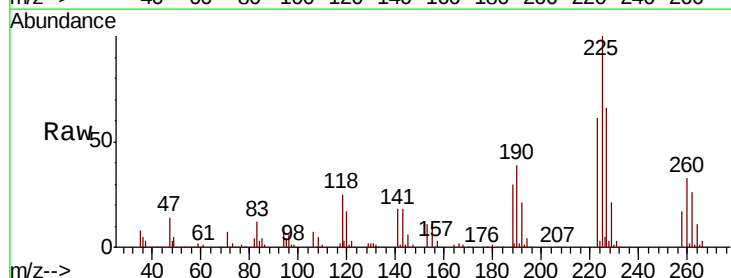


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

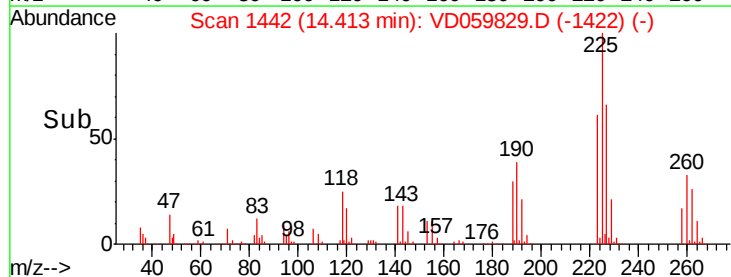
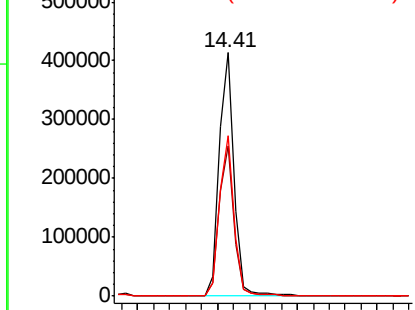


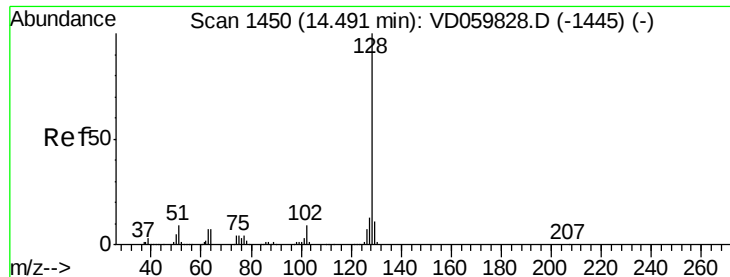
#94
 Hexachlorobutadiene
 Concen: 68.501 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion:225 Resp: 547587
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.8 95.4
 227 65.9 32.8 98.3



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

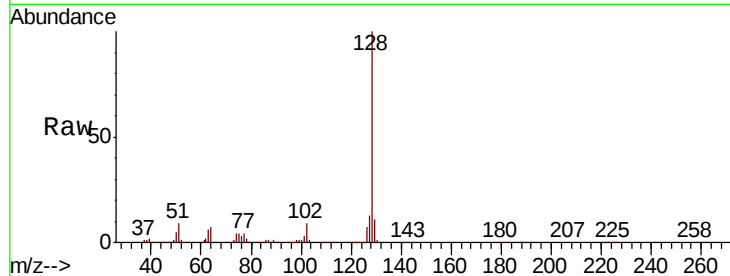




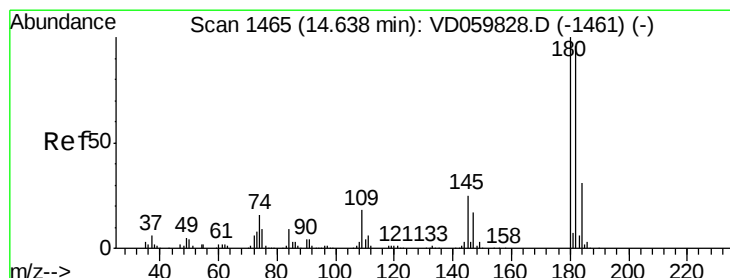
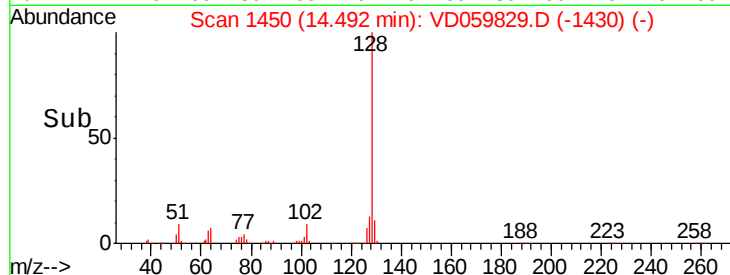
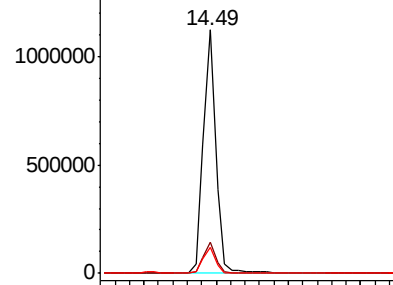
#95
Naphthalene
Concen: 69.655 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 1336896
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.7 13.1

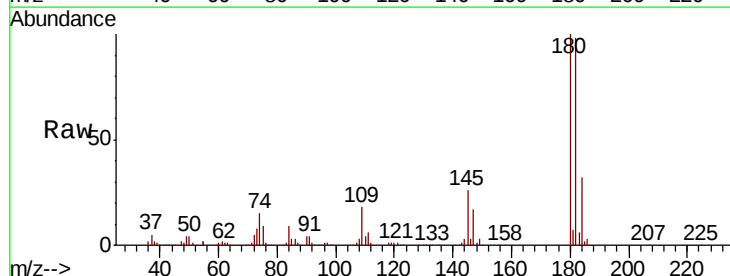


Abundance Ion 128.00 (127.70 to 128.70): V
1500000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 69.753 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:180 Resp: 728488
Ion Ratio Lower Upper
180 100
182 97.9 47.8 143.4
145 26.0 12.7 38.0



Abundance Ion 179.85 (179.55 to 180.55): V
600000 Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

