

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059928.D
 Acq On : 31 Aug 2018 11:11
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 31 14:33:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1302350	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1809053	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1503408	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	798925	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	541840	49.36	ug/l	-0.03
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	6.30	113	723004	50.98	ug/l	-0.03
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	9.43	98	2009970	51.06	ug/l	-0.03
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.42	95	781345	48.87	ug/l	-0.02
Spiked Amount			Recovery	=	97.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	572315	49.160	ug/l	96
3) Chloromethane	1.75	50	520851	49.387	ug/l	98
4) Vinyl Chloride	1.84	62	448673	54.257	ug/l	98
5) Bromomethane	2.13	94	72925	51.078	ug/l	96
6) Chloroethane	2.24	64	141666	54.575	ug/l	99
7) Trichlorofluoromethane	2.49	101	546614	57.137	ug/l	98
8) Diethyl Ether	2.81	74	116481	54.272	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.07	101	333248	56.880	ug/l	95
10) Methyl Iodide	3.22	142	335429	53.484	ug/l	99
11) Tert butyl alcohol	3.94	59	203726	243.239	ug/l	97
12) 1,1-Dichloroethene	3.06	96	259413	56.877	ug/l	93
13) Acrolein	2.97	56	66821	183.944	ug/l	87
14) Allyl chloride	3.51	41	582220	56.426	ug/l	99
15) Acrylonitrile	4.06	53	774820	247.037	ug/l	98
16) Acetone	3.14	43	584114	292.079	ug/l	100
17) Carbon Disulfide	3.29	76	759726	53.663	ug/l	98
18) Methyl Acetate	3.53	43	223866	53.623	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1296452	50.247	ug/l	99
20) Methylene Chloride	3.70	84	725095	54.671	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	654159	52.056	ug/l	99
22) Diisopropyl ether	4.83	45	2749012	52.240	ug/l	98
23) Vinyl Acetate	4.78	43	7495257	254.793	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1217435	53.551	ug/l	100
25) 2-Butanone	5.60	43	1566541	264.487	ug/l	98
26) 2,2-Dichloropropane	5.56	77	1004937	52.878	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	740024	53.784	ug/l	99
28) Bromochloromethane	5.90	49	569485	52.267	ug/l	98
29) Tetrahydrofuran	5.93	42	708154	251.139	ug/l	99
30) Chloroform	6.08	83	1250691	54.133	ug/l	98
31) Cyclohexane	6.34	56	1019943	48.801	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1014334	51.729	ug/l	98
36) 1,1-Dichloropropene	6.50	75	864656	52.725	ug/l	99
37) Ethyl Acetate	5.67	43	634585	49.728	ug/l	99
38) Carbon Tetrachloride	6.47	117	863922	52.202	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	948097	53.510	ug/l	99
40) Benzene	6.78	78	2281337	53.501	ug/l	99
41) Methacrylonitrile	5.93	41	724324	112.680	ug/l #	78
42) 1,2-Dichloroethane	6.88	62	696781	50.901	ug/l	98
43) Isopropyl Acetate	8.33	43	819318	49.351	ug/l	98
44) Trichloroethene	7.72	130	674533	53.726	ug/l	98
45) 1,2-Dichloropropane	8.09	63	637866	53.517	ug/l	97
46) Dibromomethane	8.19	93	395171	51.564	ug/l	99
47) Bromodichloromethane	8.47	83	935561	53.925	ug/l	100
48) Methyl methacrylate	8.22	41	477295	49.319	ug/l	97
49) 1,4-Dioxane	8.21	88	87868	1016.971	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	3224477	260.522	ug/l	99
52) Toluene	9.53	92	1483574	54.259	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	827758	51.583	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	990073	53.214	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	497340	49.760	ug/l	97
56) Ethyl methacrylate	10.01	69	573188	49.692	ug/l	97
57) 1,3-Dichloropropane	10.37	76	760242	52.553	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	1397639	252.577	ug/l	99
59) 2-Hexanone	10.48	43	2427087	265.864	ug/l	100
60) Dibromochloromethane	10.62	129	655716	52.196	ug/l	100
61) 1,2-Dibromoethane	10.74	107	517976	51.254	ug/l	98
64) Tetrachloroethene	10.23	164	622054	53.511	ug/l	98
65) Chlorobenzene	11.30	112	1641234	54.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	580343	53.171	ug/l	99
67) Ethyl Benzene	11.41	91	2730837	54.333	ug/l	100
68) m/p-Xylenes	11.55	106	1997361	109.147	ug/l	100
69) o-Xylene	11.92	106	974165	54.428	ug/l	99
70) Styrene	11.94	104	1653221	53.345	ug/l	98
71) Bromoform	12.11	173	478167	50.632	ug/l #	98
73) Isopropylbenzene	12.27	105	2738795	53.703	ug/l	98
74) N-amyl acetate	12.12	43	1070494	47.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	604010	51.203	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	622420	50.126	ug/l	100
77) Bromobenzene	12.53	156	778845	55.082	ug/l	84
78) n-propylbenzene	12.63	91	3451617	53.449	ug/l	97
79) 2-Chlorotoluene	12.69	91	1888640	51.714	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2075016	51.177	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	188249	48.737	ug/l	94
82) 4-Chlorotoluene	12.80	91	2084436	50.040	ug/l	96
83) tert-Butylbenzene	13.04	119	2495725	54.034	ug/l	97
84) 1,2,4-Trimethylbenzene	13.08	105	2148721	50.844	ug/l	98
85) sec-Butylbenzene	13.21	105	2886787	53.147	ug/l	98
86) p-Isopropyltoluene	13.33	119	2362202	53.474	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1325711	52.516	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1345109	53.407	ug/l	97
89) n-Butylbenzene	13.64	91	2385140	58.554	ug/l	98
90) Hexachloroethane	13.85	117	616679	51.991	ug/l	78
91) 1,2-Dichlorobenzene	13.66	146	1143440	53.271	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	84810	46.761	ug/l	77

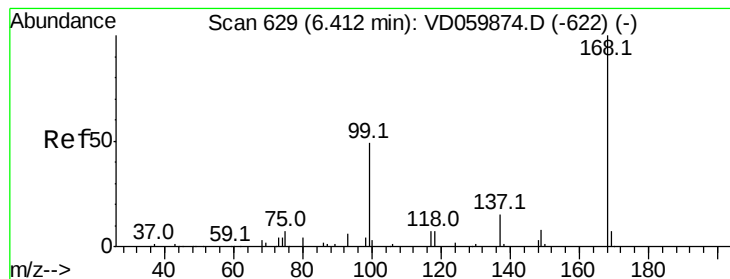
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	924144	50.285	ug/l	99
94) Hexachlorobutadiene	14.88	225	637395	52.908	ug/l	99
95) Naphthalene	14.95	128	1421859	50.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	790378	50.284	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

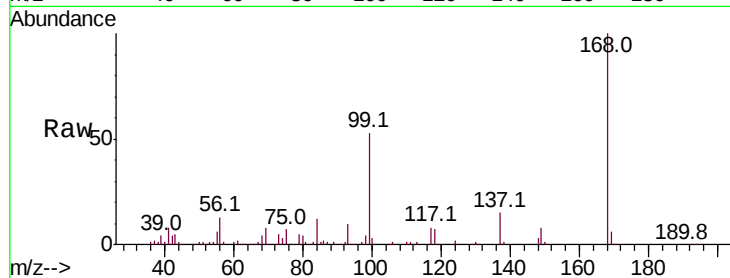
VSTDCCC050

Tot Ion:168 Resp: 1302350

Ion Ratio Lower Upper

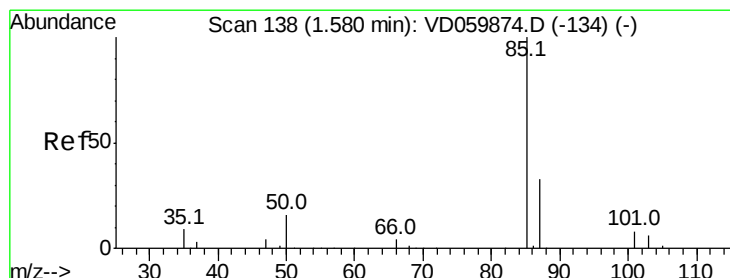
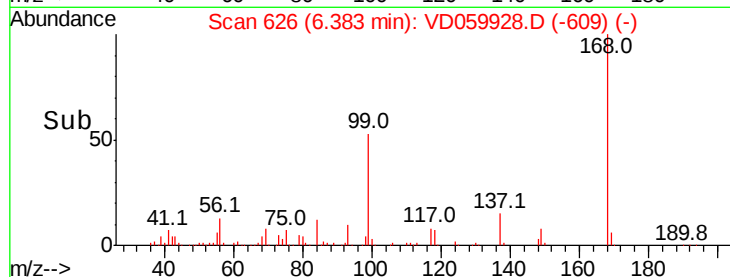
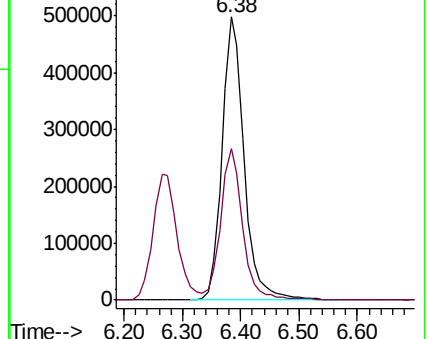
168 100

99 53.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.160 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059928.D

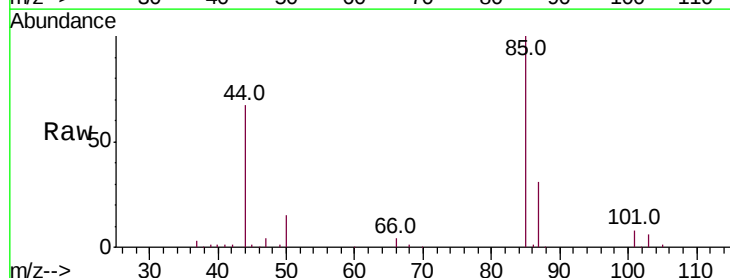
Acq: 31 Aug 2018 11:11

Tgt Ion: 85 Resp: 572315

Ion Ratio Lower Upper

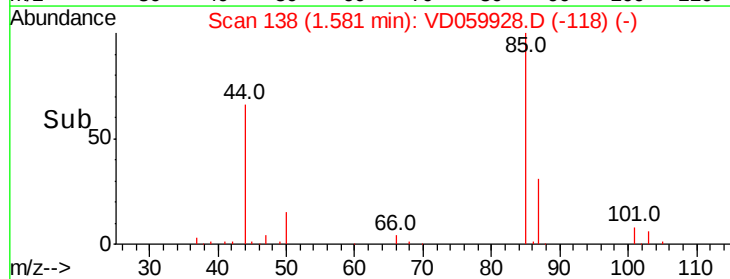
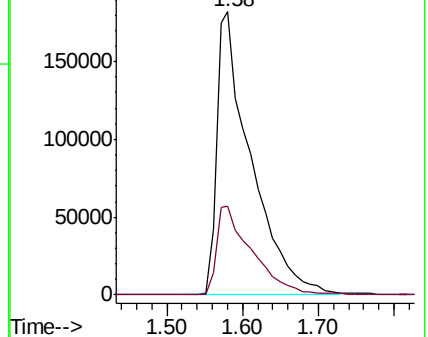
85 100

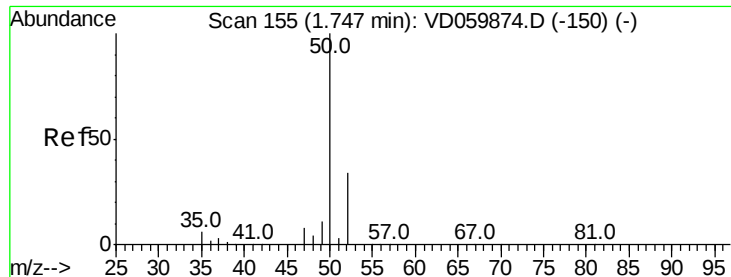
87 31.2 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.387 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

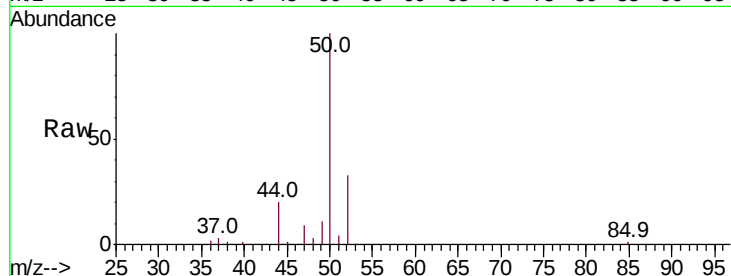
VSTDCCC050

Tot Ion: 50 Resp: 520851

Ion Ratio Lower Upper

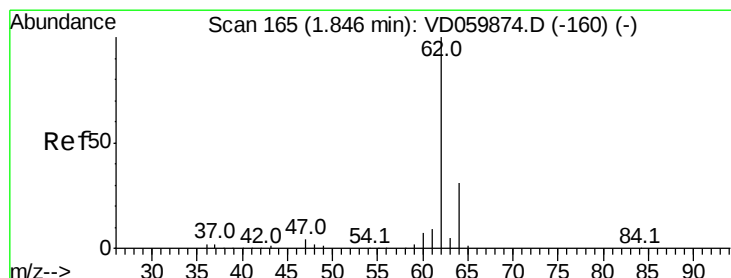
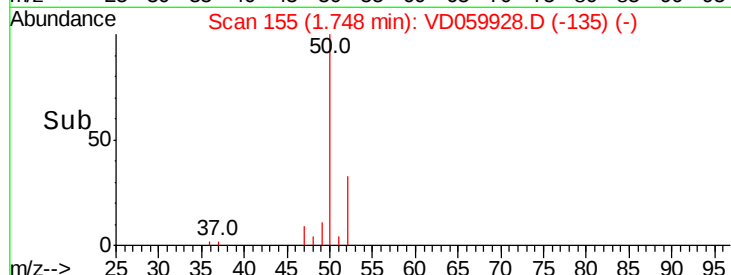
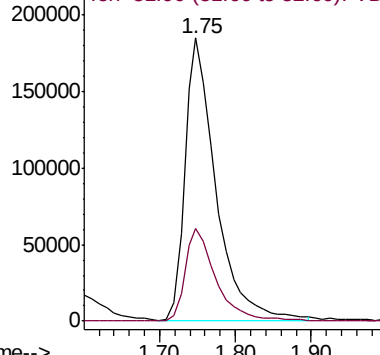
50 100

52 32.8 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.257 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059928.D

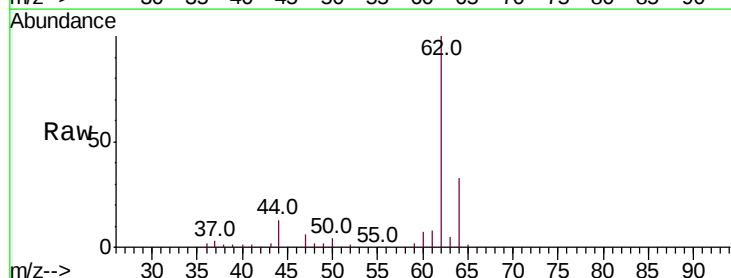
Acq: 31 Aug 2018 11:11

Tgt Ion: 62 Resp: 448673

Ion Ratio Lower Upper

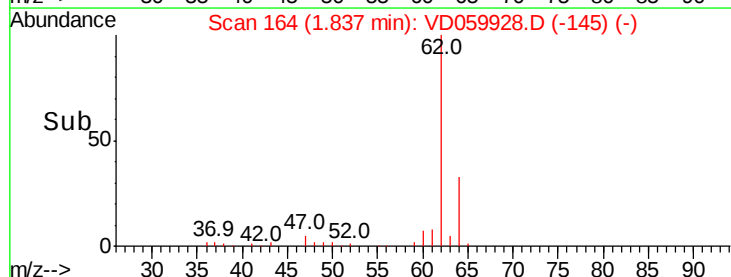
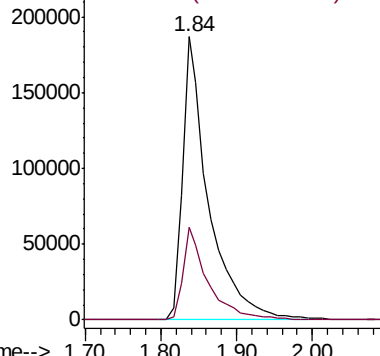
62 100

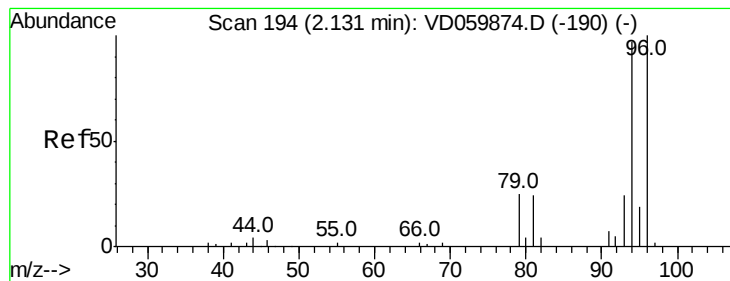
64 32.7 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.078 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

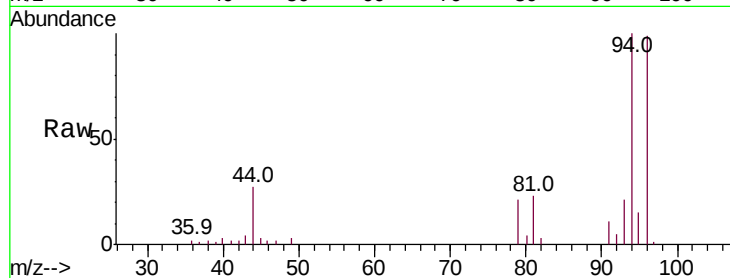
VSTDCCC050

Tot Ion: 94 Resp: 72925

Ion Ratio Lower Upper

94 100

96 99.2 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

25000

20000

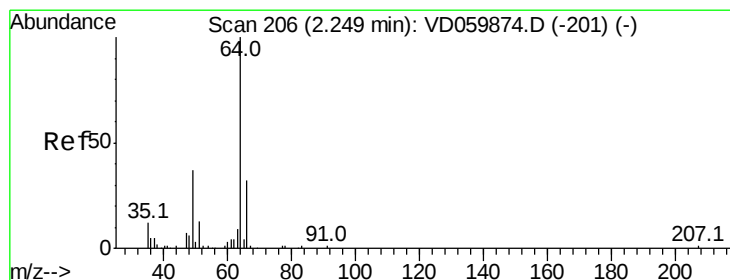
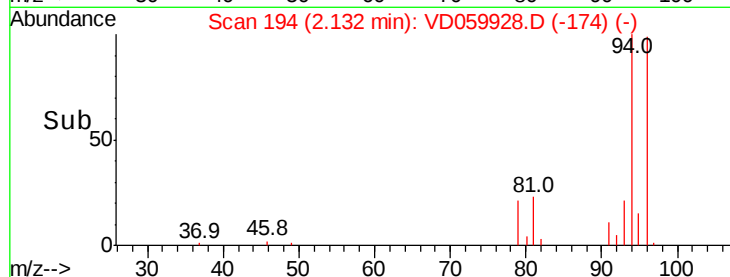
15000

10000

5000

0

Time--> 2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 54.575 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059928.D

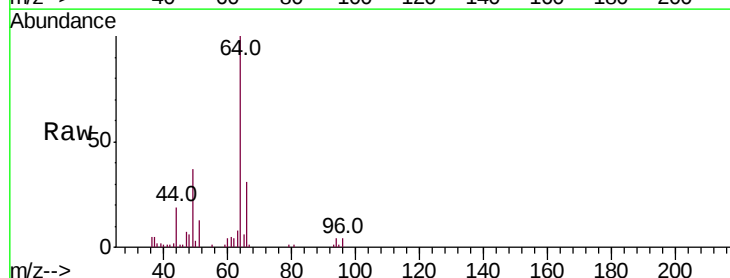
Acq: 31 Aug 2018 11:11

Tgt Ion: 64 Resp: 141666

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

60000

50000

40000

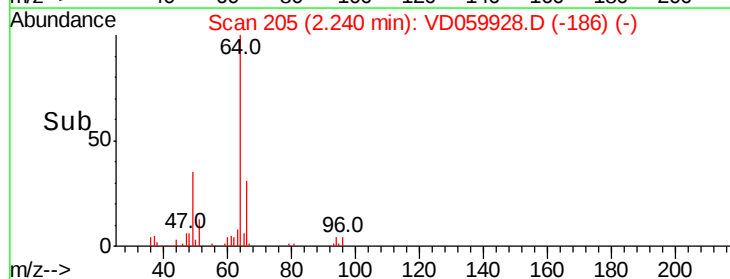
30000

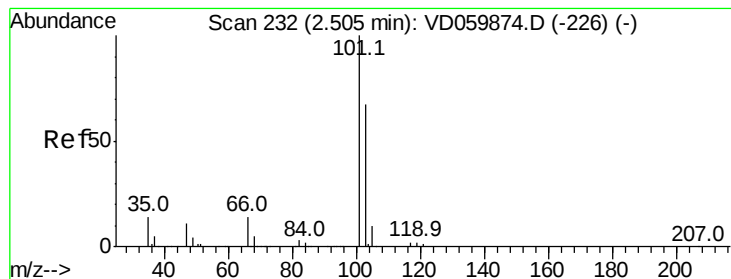
20000

10000

0

Time--> 2.10 2.20 2.30 2.40



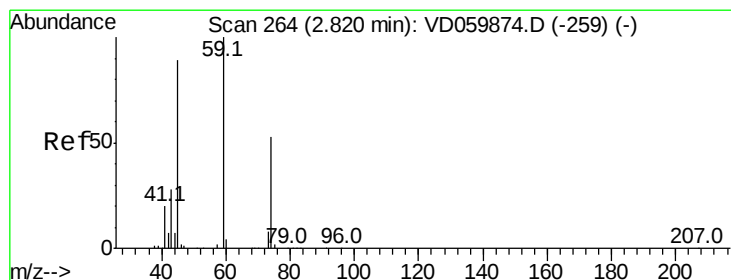
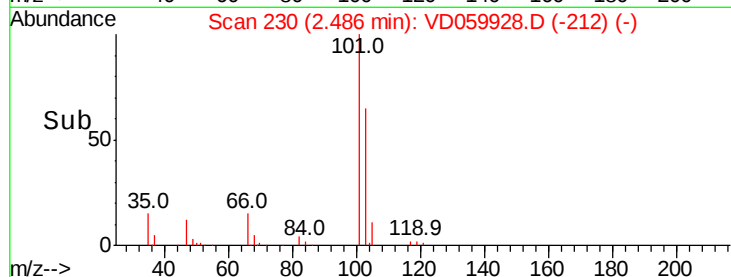
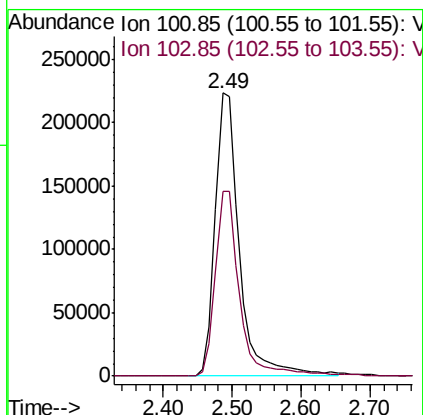
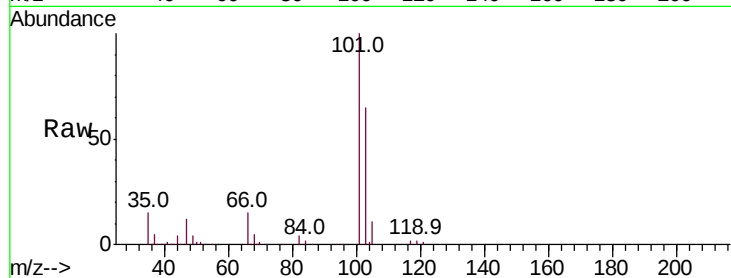


#7

Trichlorofluoromethane
 Concen: 57.137 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

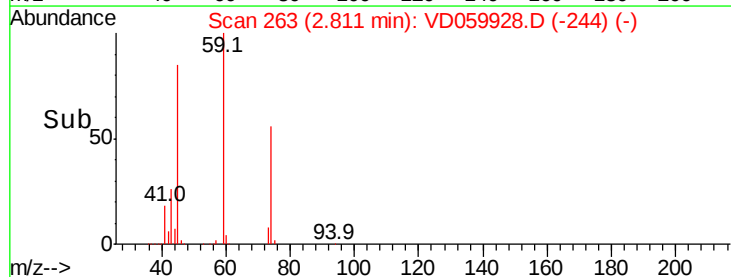
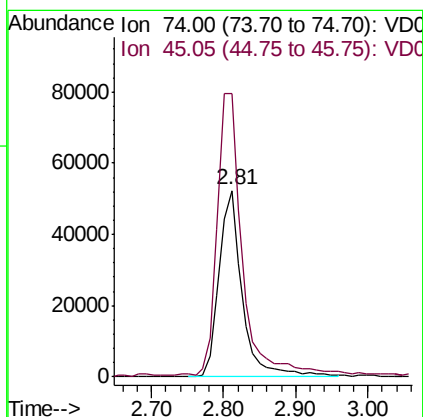
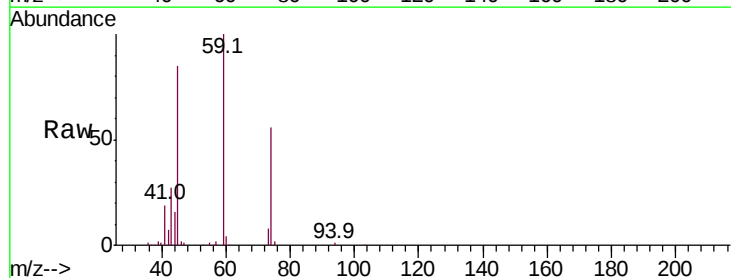
Tot Ion:101 Resp: 546614
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.7 80.5

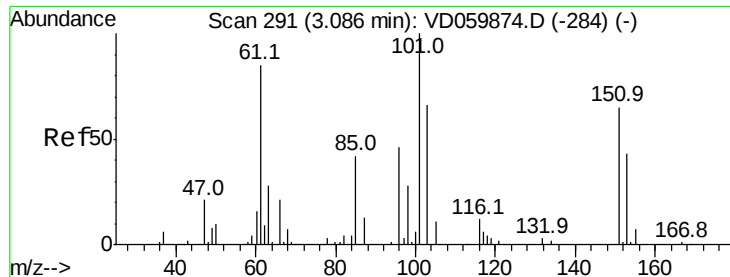


#8

Diethyl Ether
 Concen: 54.272 ug/l
 RT: 2.81 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion: 74 Resp: 116481
 Ion Ratio Lower Upper
 74 100
 45 151.9 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.880 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

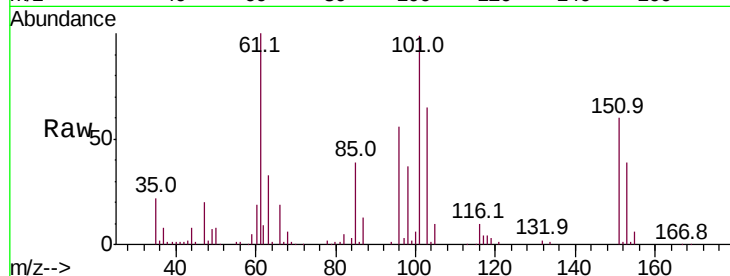
Tot Ion:101 Resp: 333248

Ion Ratio Lower Upper

101 100

85 39.8 33.6 50.4

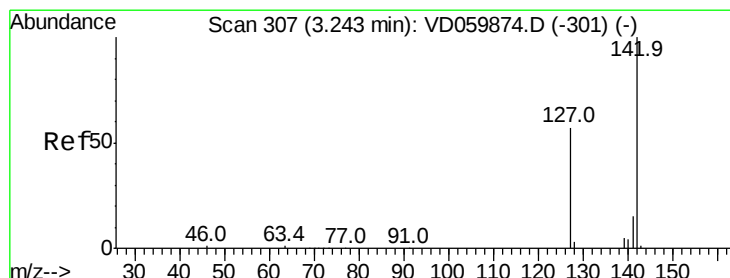
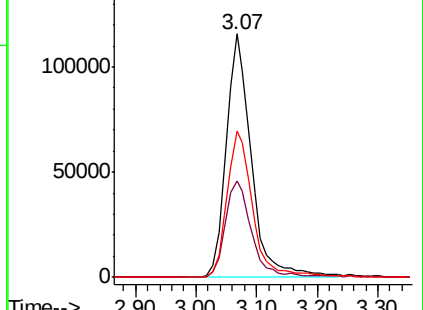
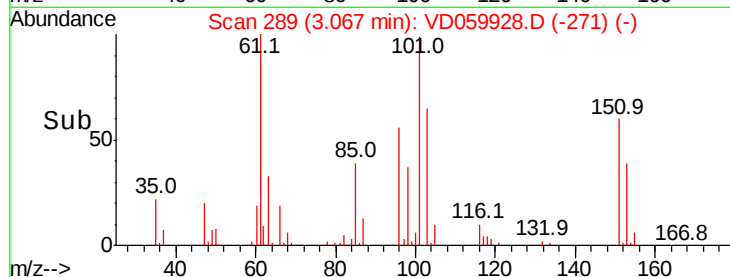
151 60.3 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 53.484 ug/l

RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

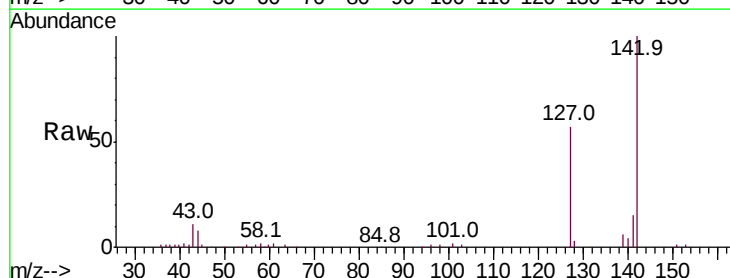
Tgt Ion:142 Resp: 335429

Ion Ratio Lower Upper

142 100

127 57.0 45.8 68.6

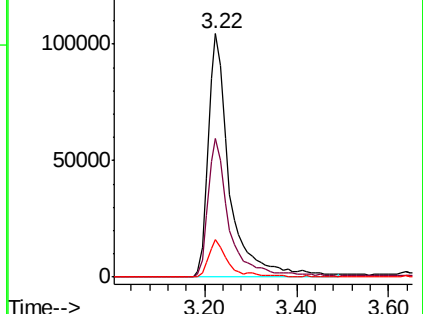
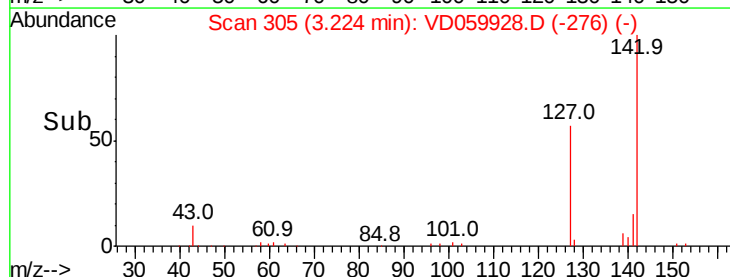
141 15.3 11.6 17.4

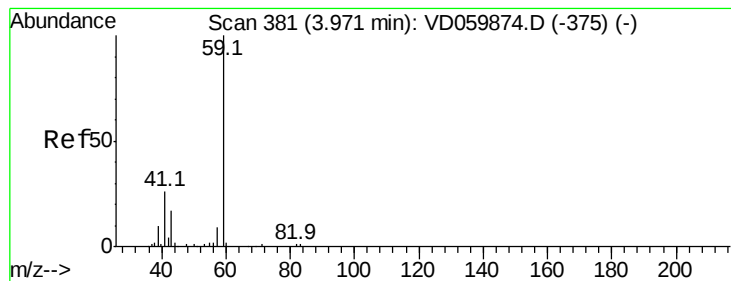


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



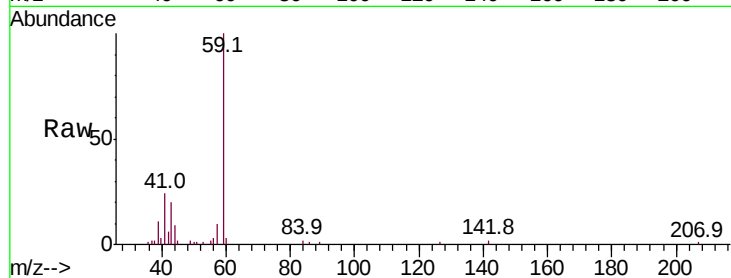


#11

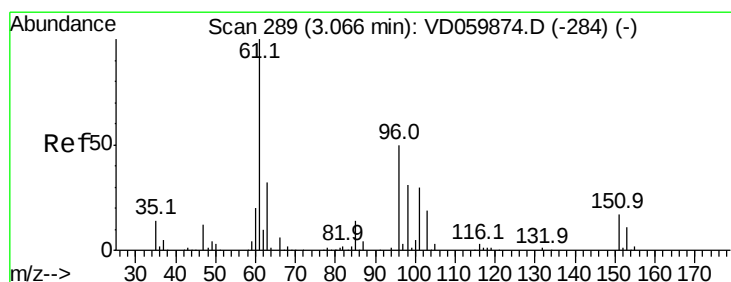
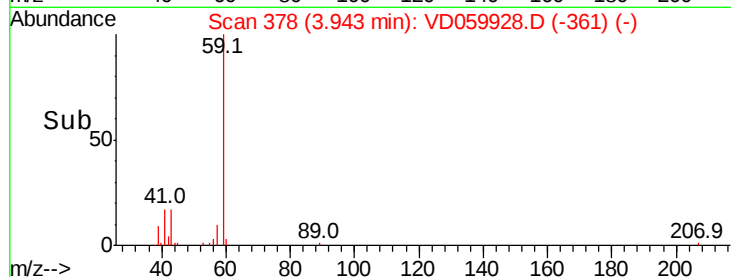
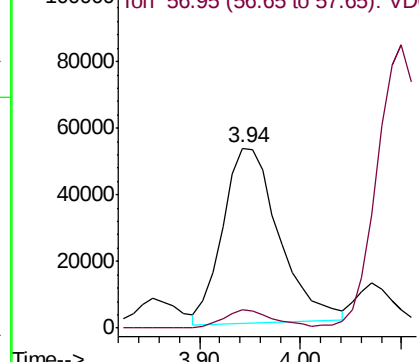
Tert butyl alcohol
 Concen: 243.239 ug/l
 RT: 3.94 min Scan# 378
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 203726
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.4 11.0



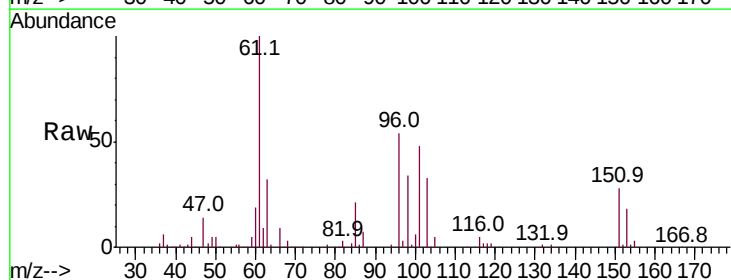
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



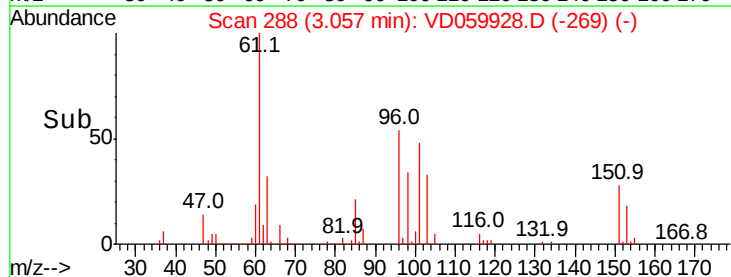
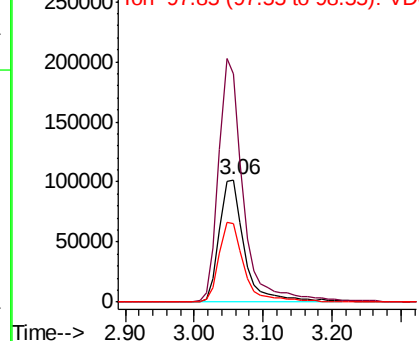
#12

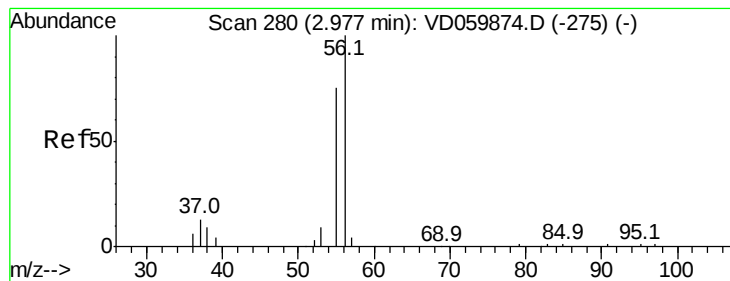
1,1-Dichloroethene
 Concen: 56.877 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion: 96 Resp: 259413
 Ion Ratio Lower Upper
 96 100
 61 185.7 158.8 238.2
 98 63.6 48.7 73.1



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





#13

Acrolein

Concen: 183.944 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

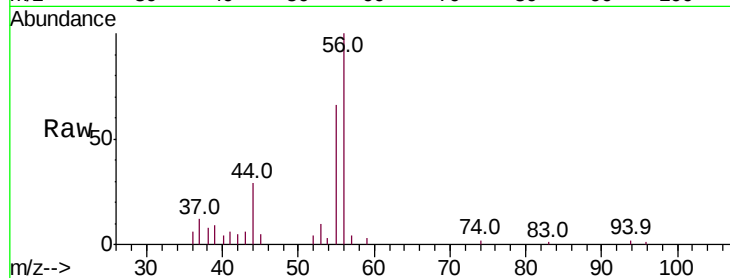
VSTDCCC050

Tot Ion: 56 Resp: 66821

Ion Ratio Lower Upper

56 100

55 66.0 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

25000

20000

15000

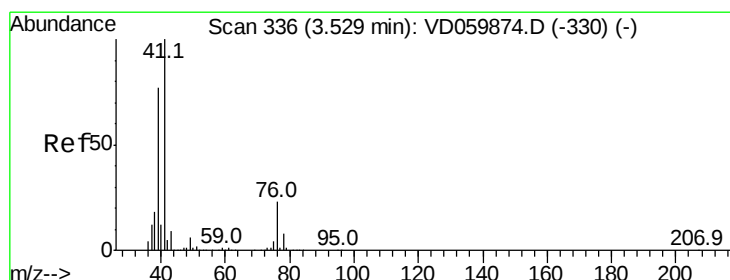
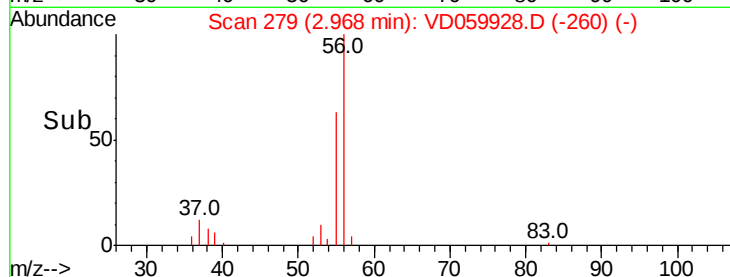
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 56.426 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

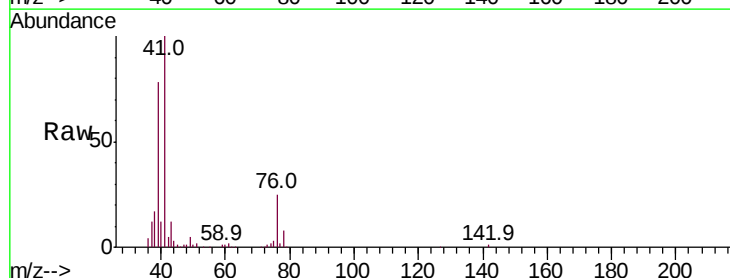
Tgt Ion: 41 Resp: 582220

Ion Ratio Lower Upper

41 100

39 78.1 61.8 92.6

76 25.3 19.4 29.2



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

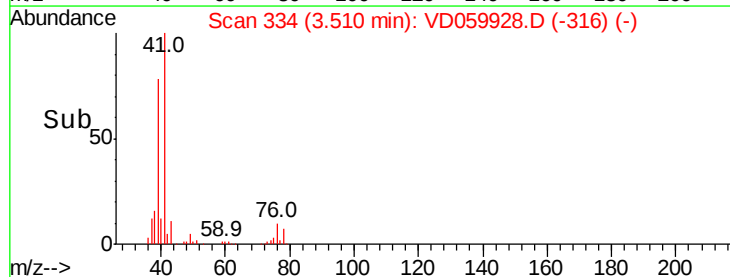
200000

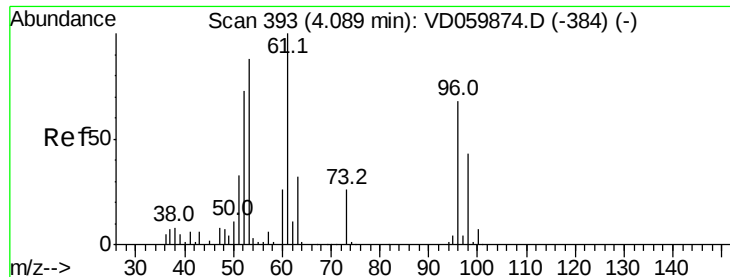
100000

0

Time-->

3.30 3.40 3.50 3.60





#15

Acrylonitrile

Concen: 247.037 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

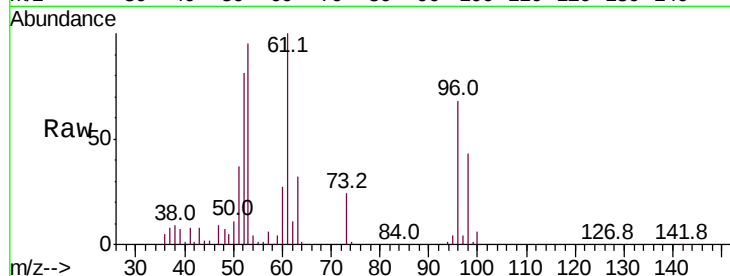
Tot Ion: 53 Resp: 774820

Ion Ratio Lower Upper

53 100

52 85.2 66.9 100.3

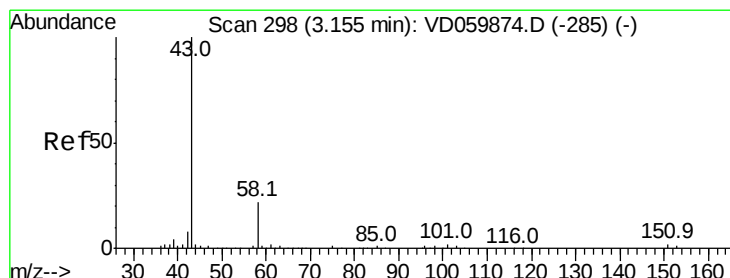
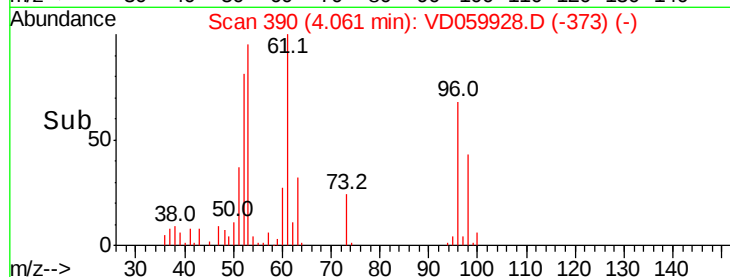
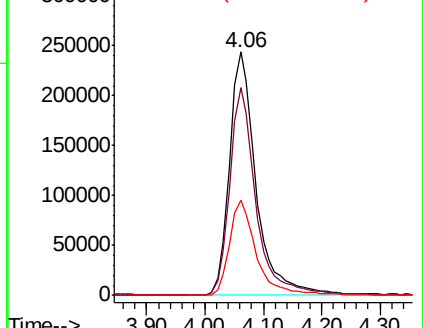
51 39.0 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 292.079 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059928.D

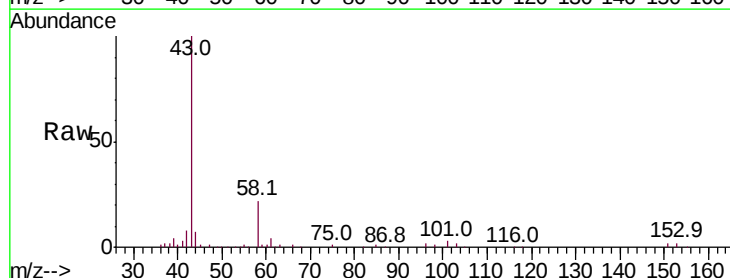
Acq: 31 Aug 2018 11:11

Tgt Ion: 43 Resp: 584114

Ion Ratio Lower Upper

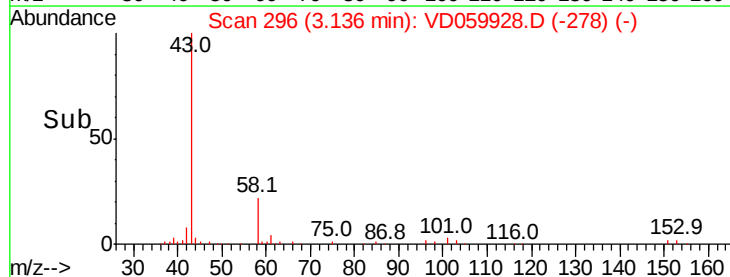
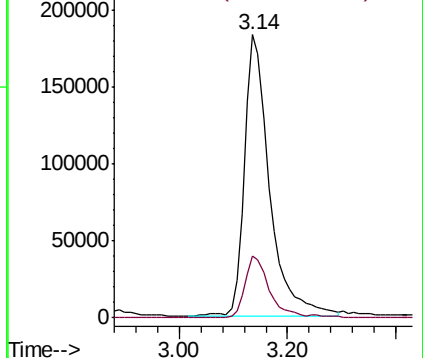
43 100

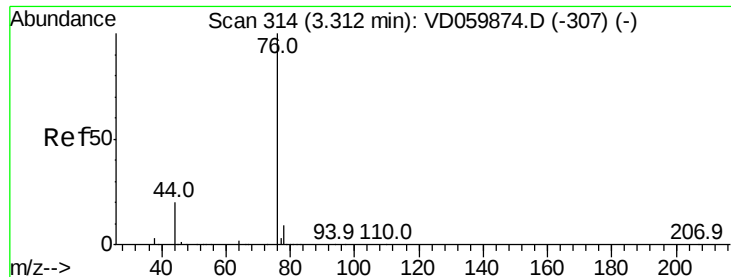
58 22.1 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

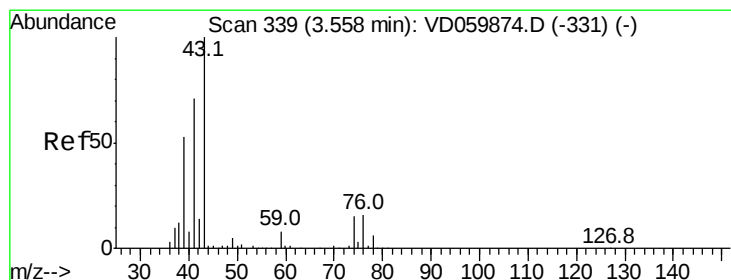
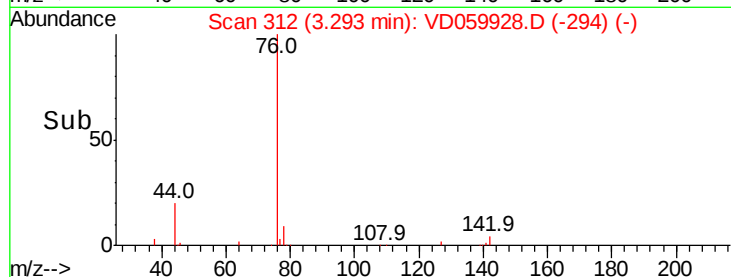
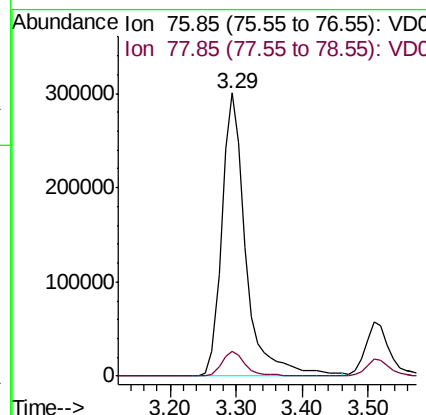
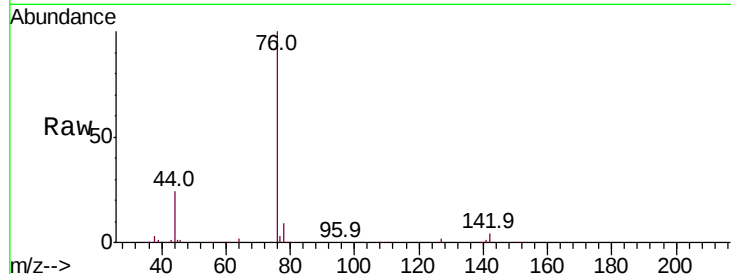




#17
Carbon Disulfide
Concen: 53.663 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

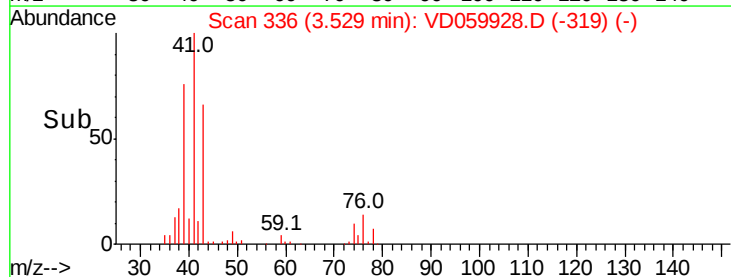
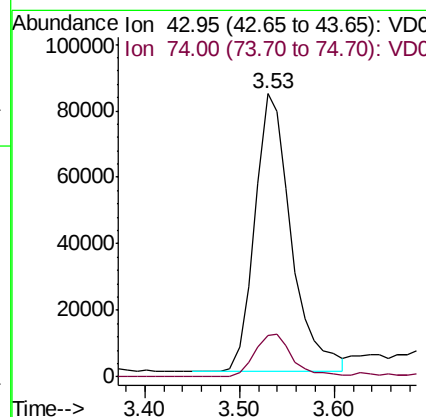
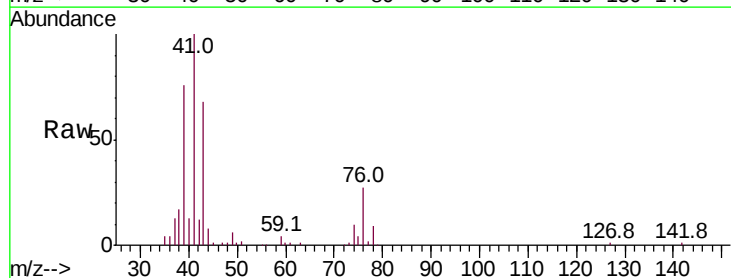
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

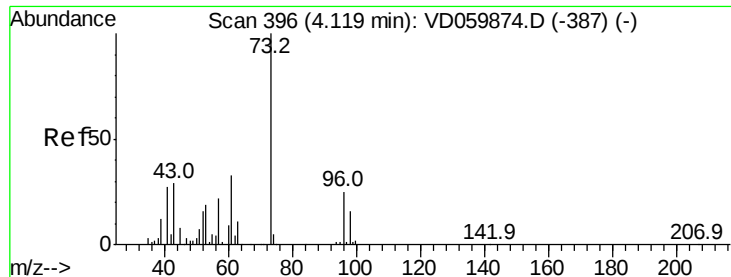
Tot Ion: 76 Resp: 759726
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 53.623 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 43 Resp: 223866
Ion Ratio Lower Upper
43 100
74 14.6 11.2 16.8





#19

Methyl tert-butyl Ether
 Concen: 50.247 ug/l
 RT: 4.10 min Scan# 394
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

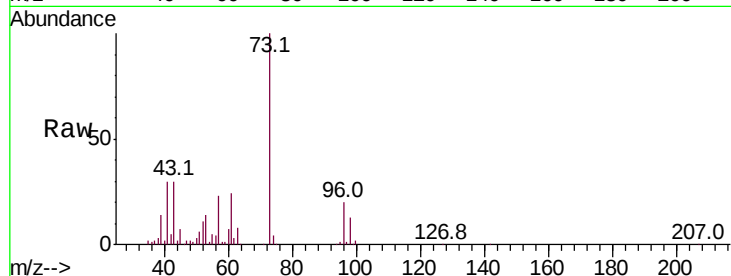
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1296452

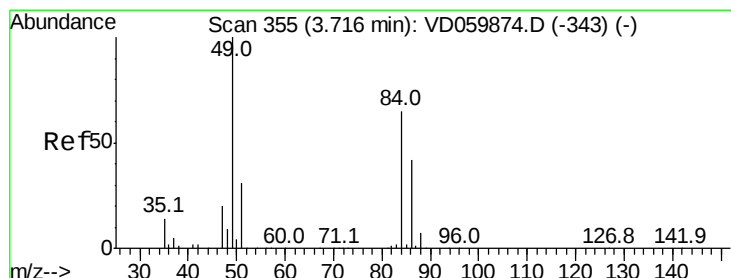
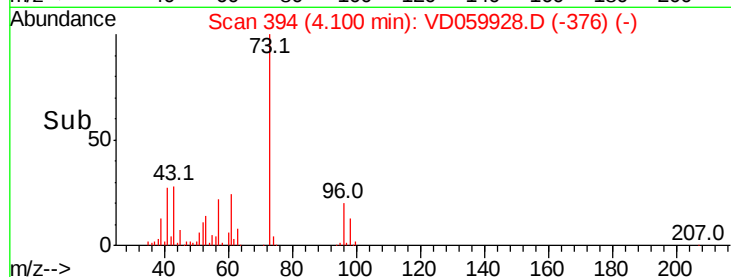
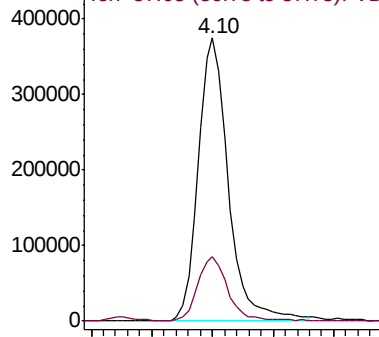
Ion Ratio Lower Upper

73 100

57 22.7 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 54.671 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion: 84 Resp: 725095

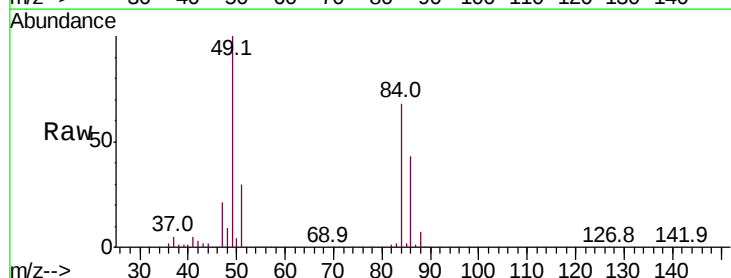
Ion Ratio Lower Upper

84 100

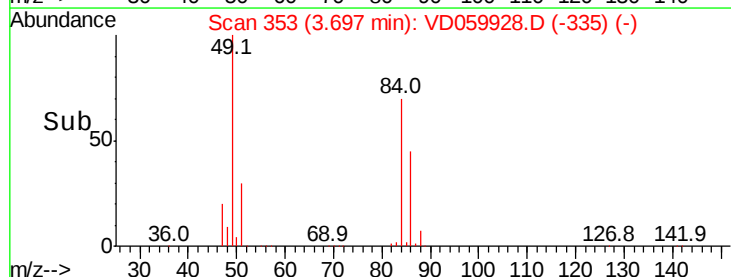
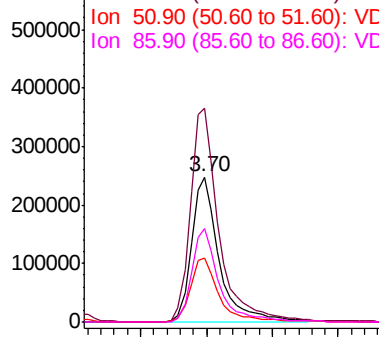
49 147.2 122.6 183.8

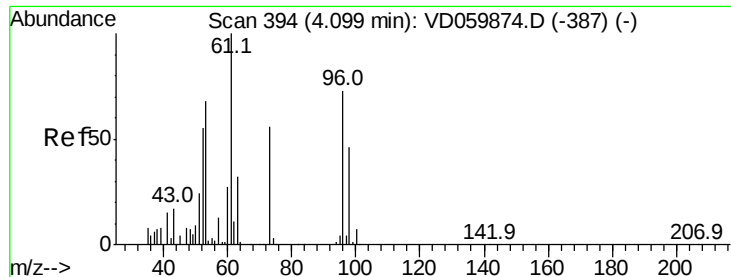
51 44.5 38.4 57.6

86 64.0 51.5 77.3



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 52.056 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

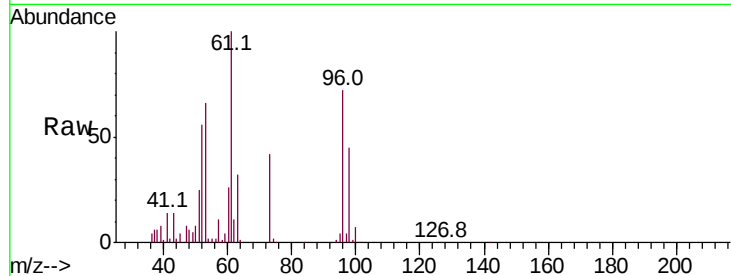
Tot Ion: 96 Resp: 654159

Ion Ratio Lower Upper

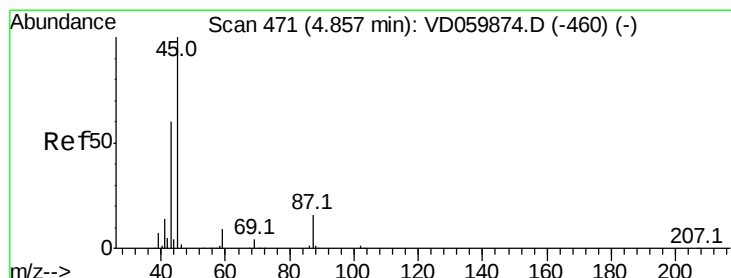
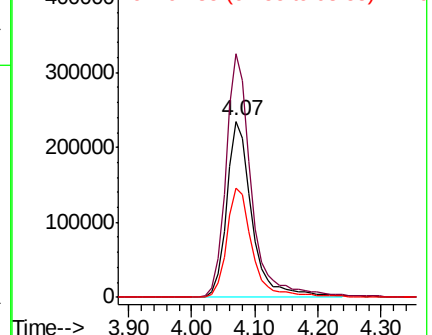
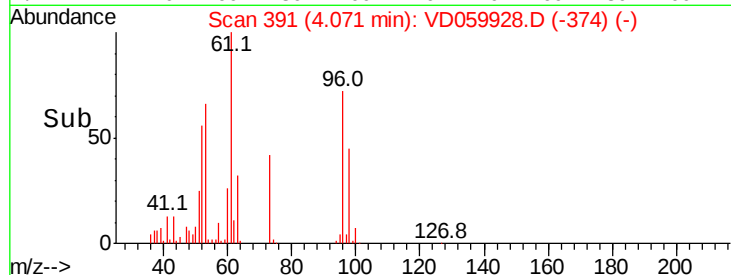
96 100

61 138.4 110.2 165.4

98 62.3 50.9 76.3



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: 52.240 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tgt Ion: 45 Resp: 2749012

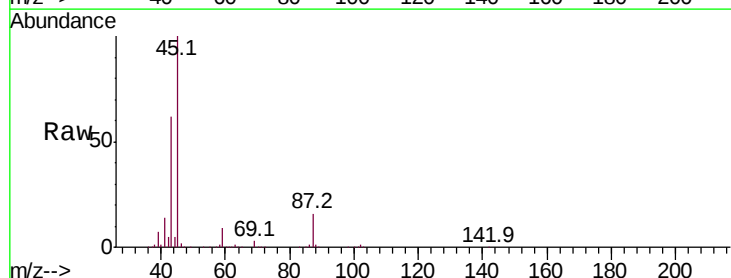
Ion Ratio Lower Upper

45 100

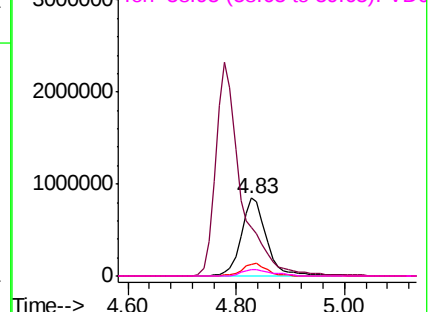
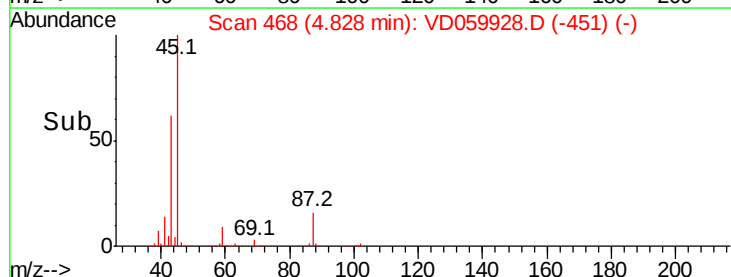
43 62.2 48.6 72.8

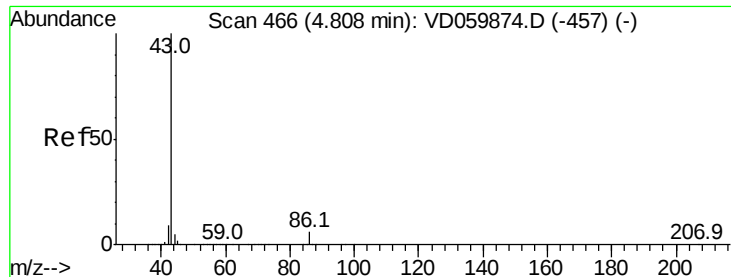
87 15.7 13.3 19.9

59 8.5 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: 254.793 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

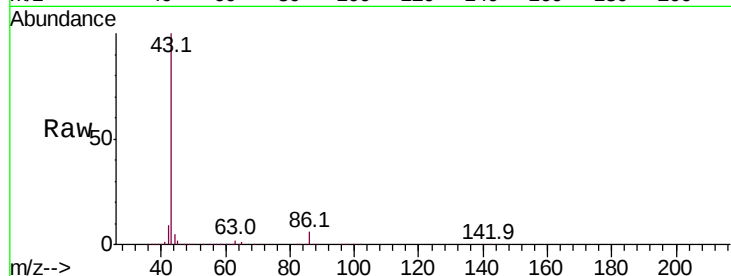
VSTDCCC050

Tot Ion: 43 Resp: 7495257

Ion Ratio Lower Upper

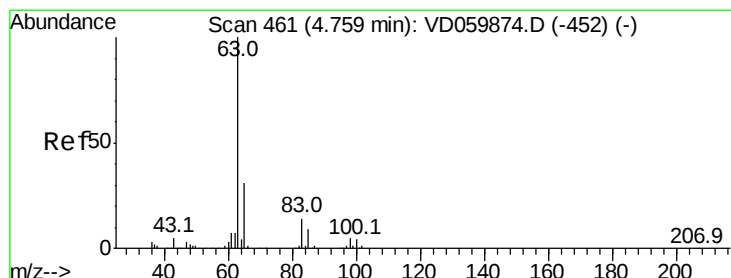
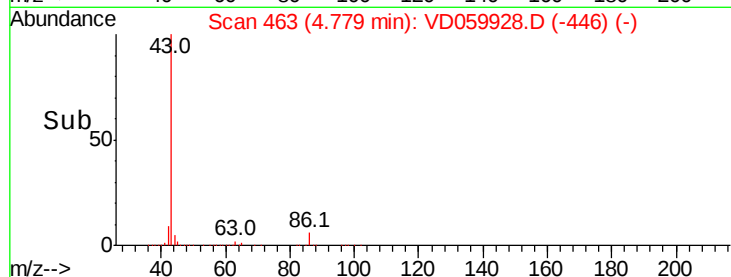
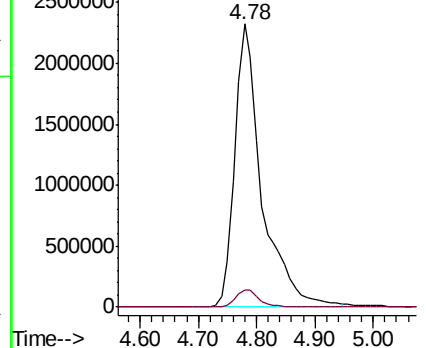
43 100

86 6.2 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.551 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

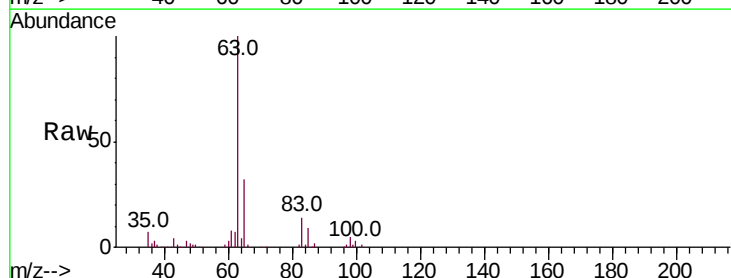
Tgt Ion: 63 Resp: 1217435

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

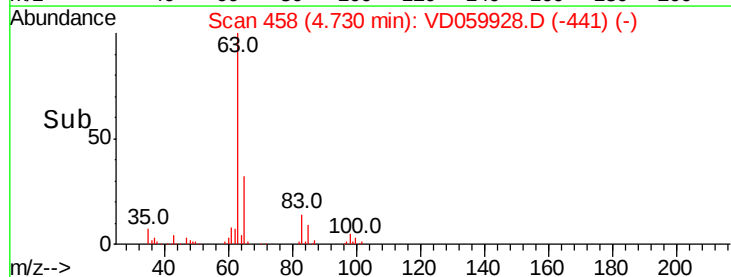
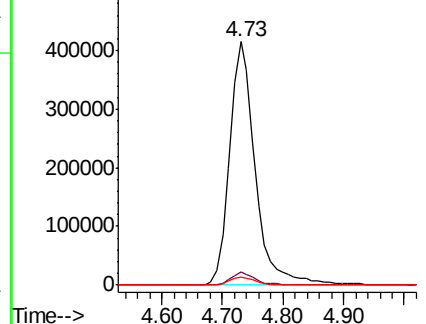
100 3.3 1.8 5.3

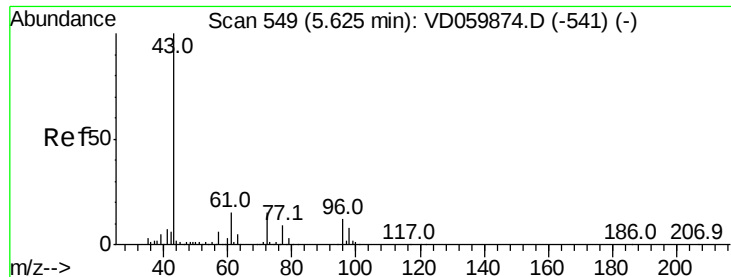


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 264.487 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

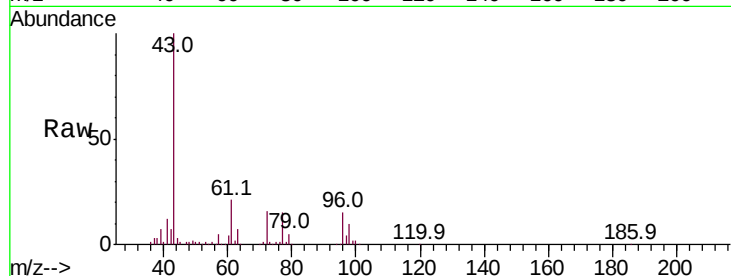
VSTDCCC050

Tot Ion: 43 Resp: 1566541

Ion Ratio Lower Upper

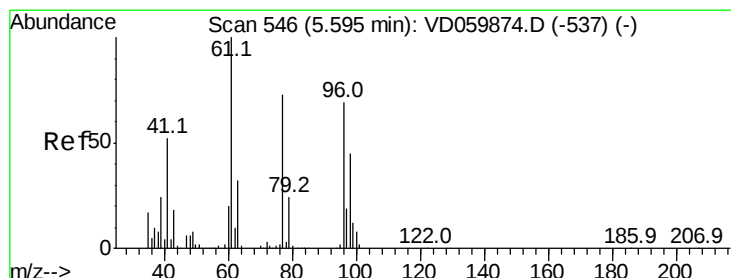
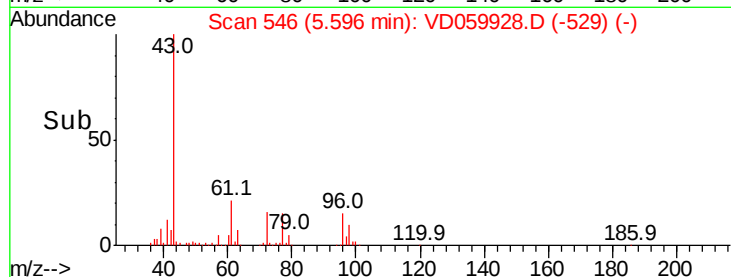
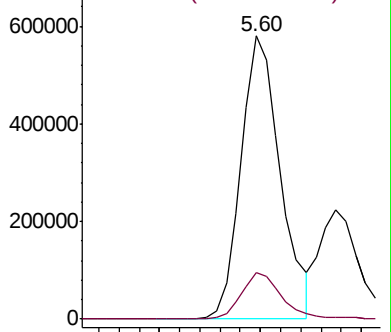
43 100

72 16.4 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.878 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.04 min

Lab File: VD059928.D

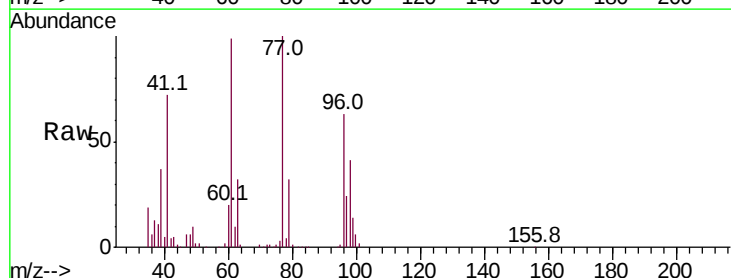
Acq: 31 Aug 2018 11:11

Tgt Ion: 77 Resp: 1004937

Ion Ratio Lower Upper

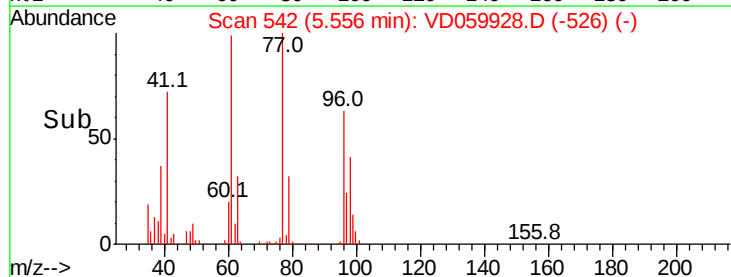
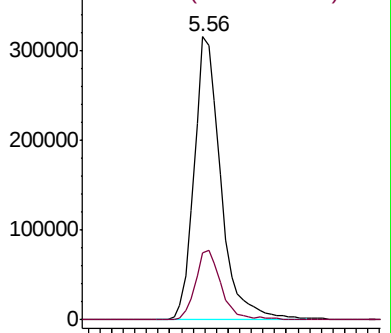
77 100

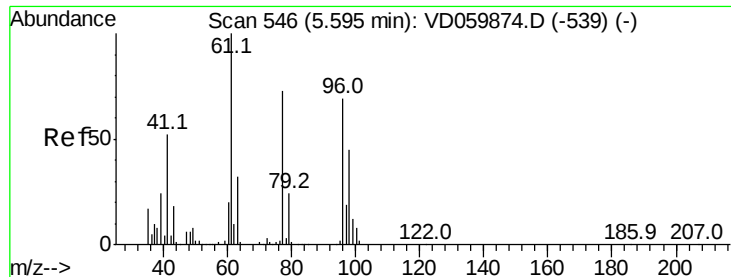
97 23.7 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



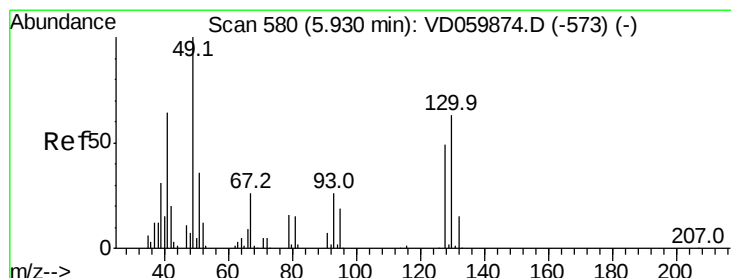
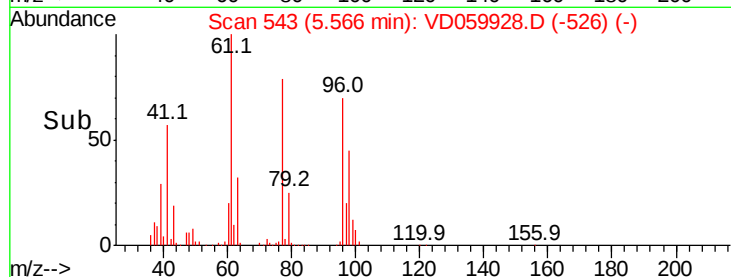
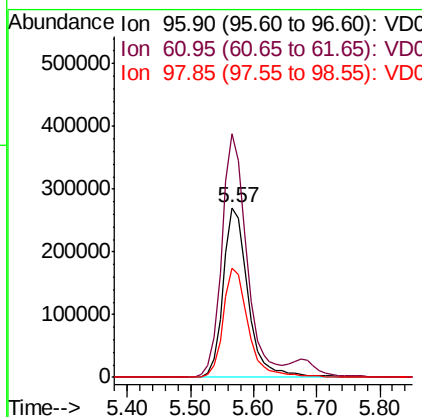
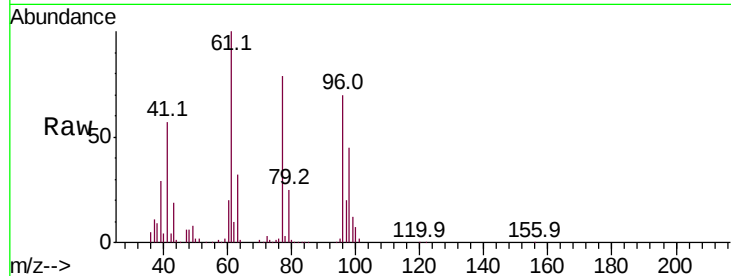


#27

cis-1,2-Dichloroethene
 Concen: 53.784 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

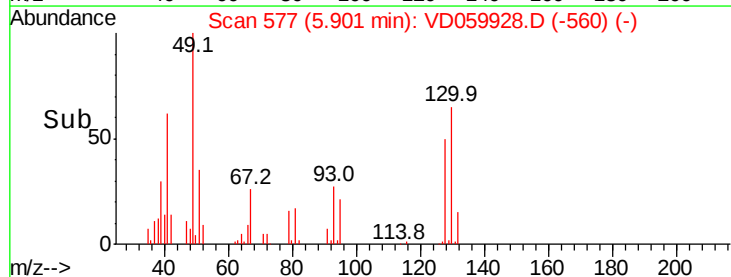
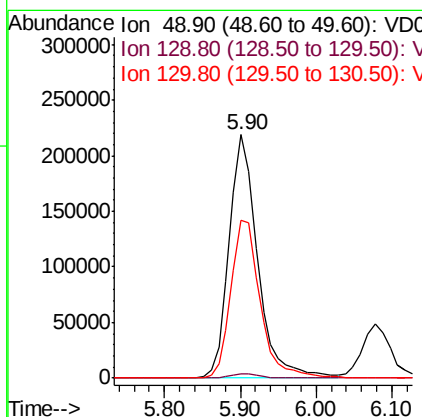
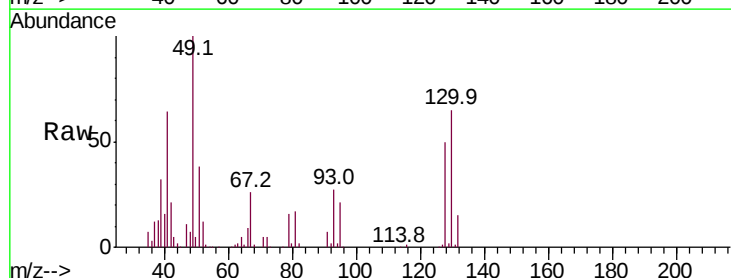
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	290.2
98	64.1	0.0	130.4

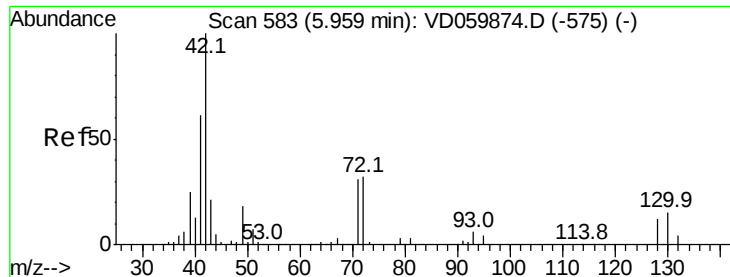


#28

Bromochloromethane
 Concen: 52.267 ug/l
 RT: 5.90 min Scan# 577
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	64.7	50.6	75.8





#29

Tetrahydrofuran

Concen: 251.139 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

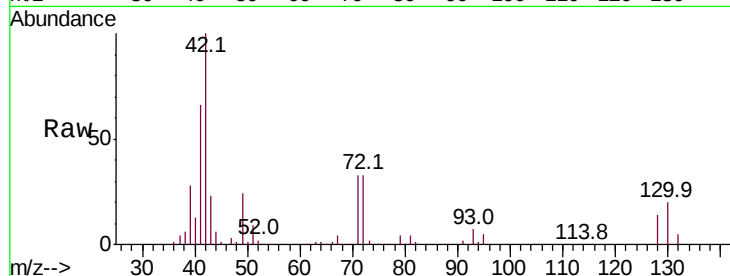
Tot Ion: 42 Resp: 708154

Ion Ratio Lower Upper

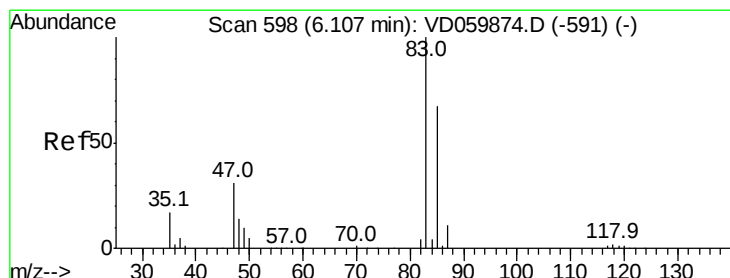
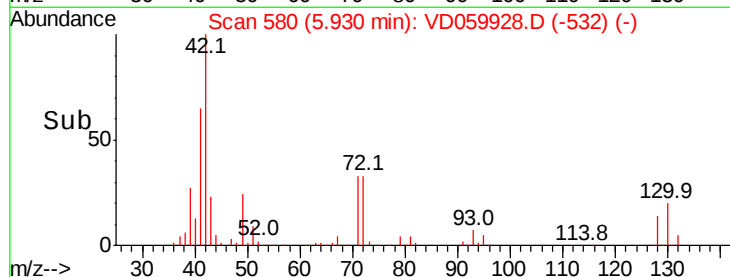
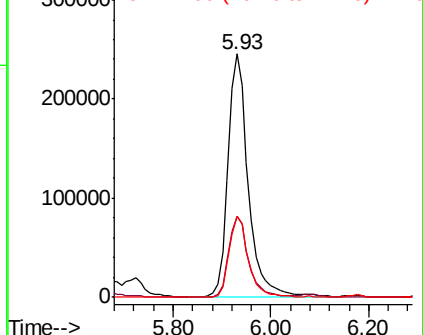
42 100

72 32.5 25.7 38.5

71 31.9 25.3 37.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 54.133 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.03 min

Lab File: VD059928.D

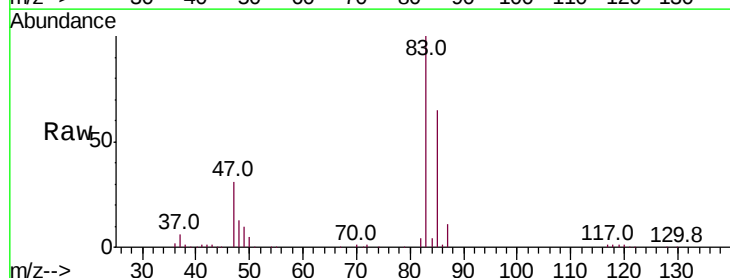
Acq: 31 Aug 2018 11:11

Tgt Ion: 83 Resp: 1250691

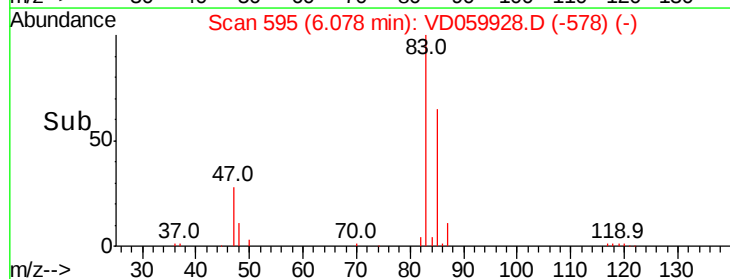
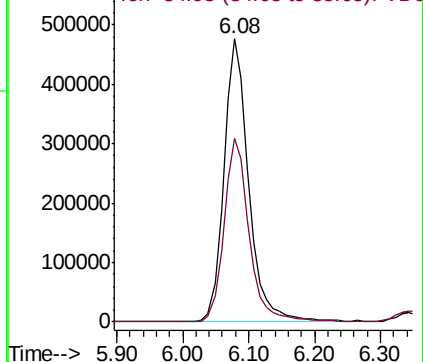
Ion Ratio Lower Upper

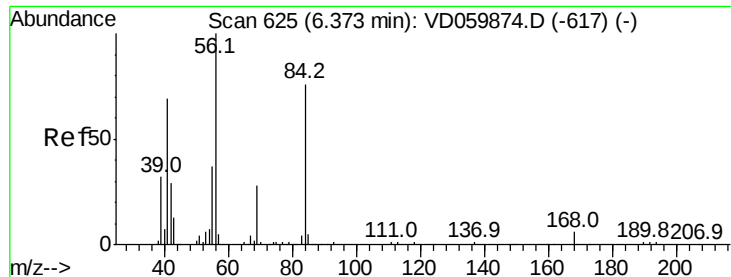
83 100

85 64.9 53.5 80.3



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

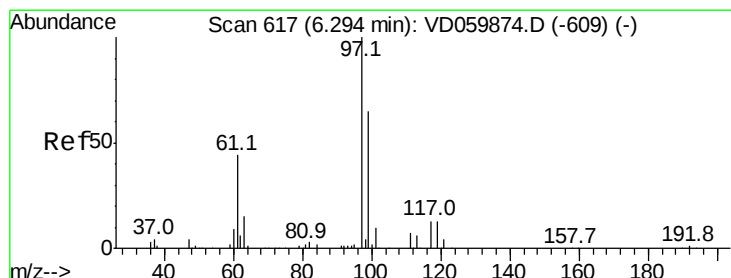
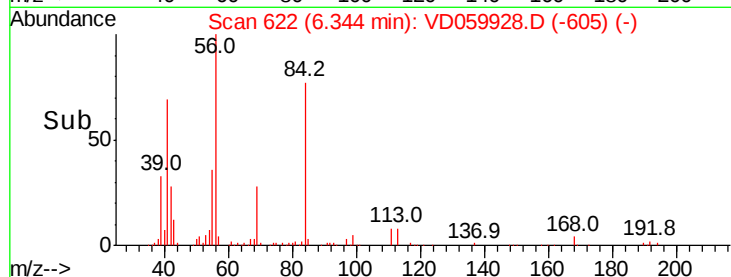
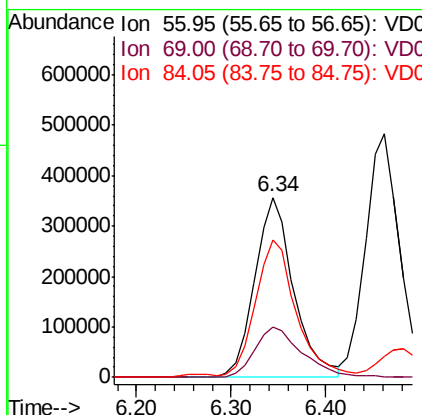
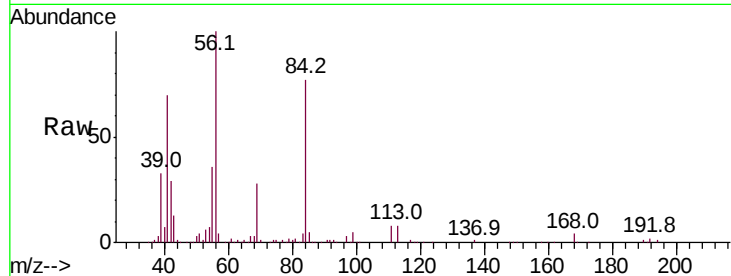




#31
Cyclohexane
Concen: 48.801 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

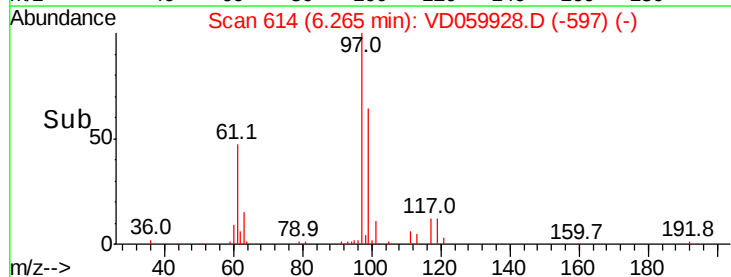
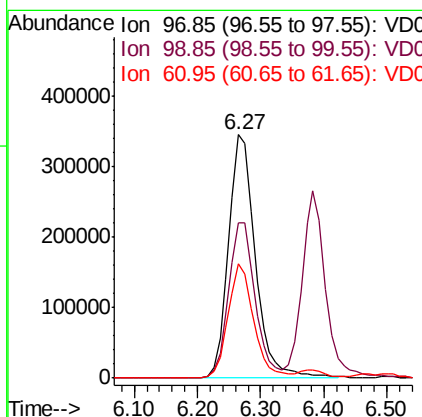
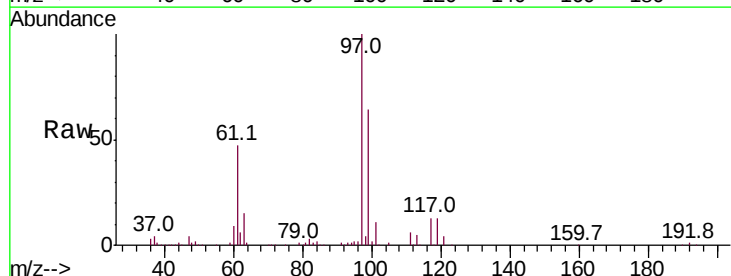
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

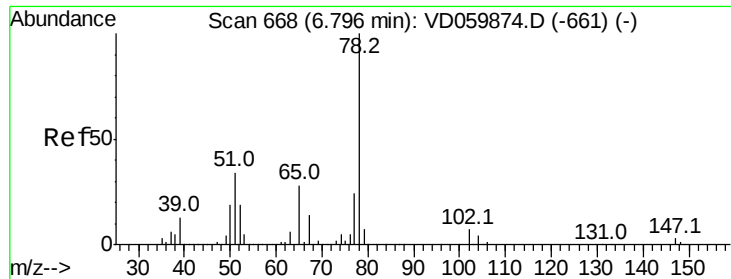
Tot Ion: 56 Resp: 1019943
Ion Ratio Lower Upper
56 100
69 27.7 22.4 33.6
84 76.6 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 51.729 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 97 Resp: 1014334
Ion Ratio Lower Upper
97 100
99 63.7 51.7 77.5
61 46.8 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 51.729 ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

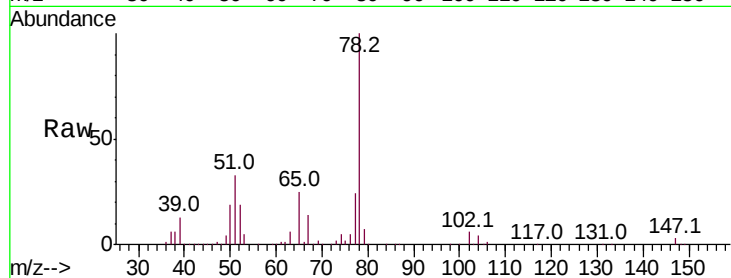
VSTDCCC050

Tot Ion: 65 Resp: 541840

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

200000

150000

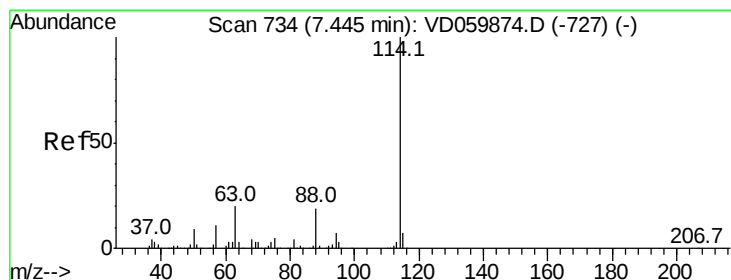
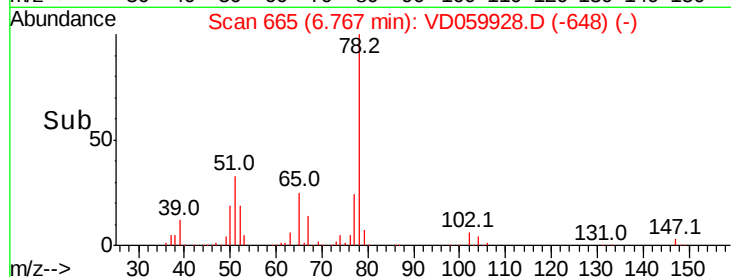
100000

50000

0

6.70 6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

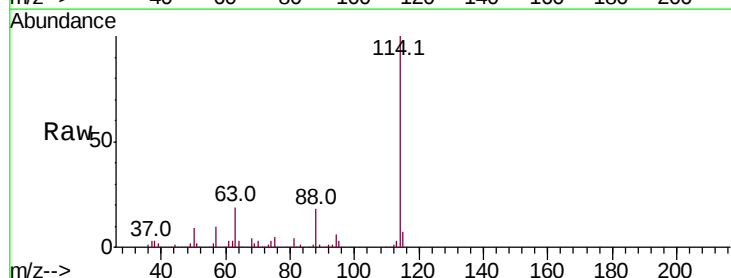
Tgt Ion:114 Resp: 1809053

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

88 17.9 0.0 37.6



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

7.43

1000000

800000

600000

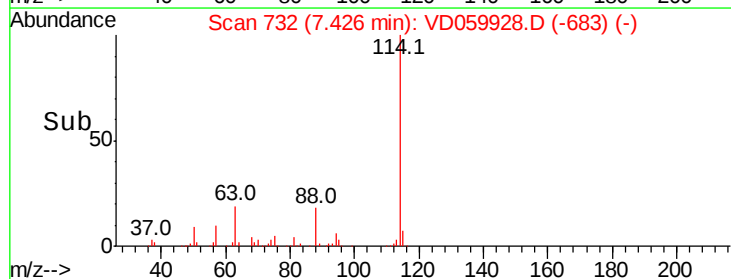
400000

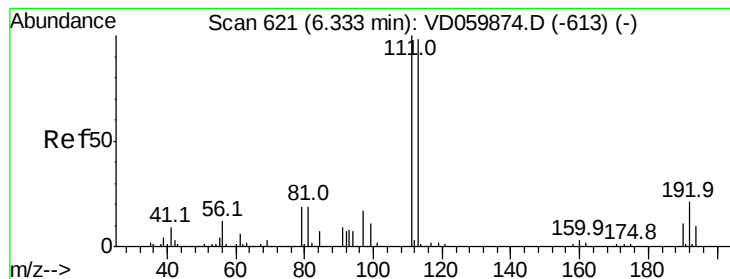
200000

0

7.20 7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

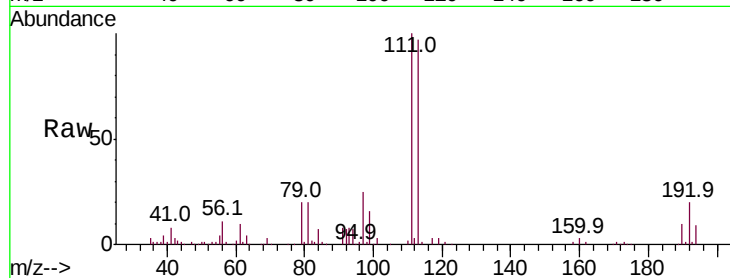
Tot Ion:113 Resp: 723004

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

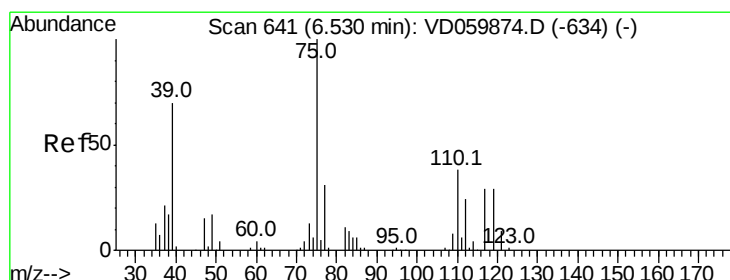
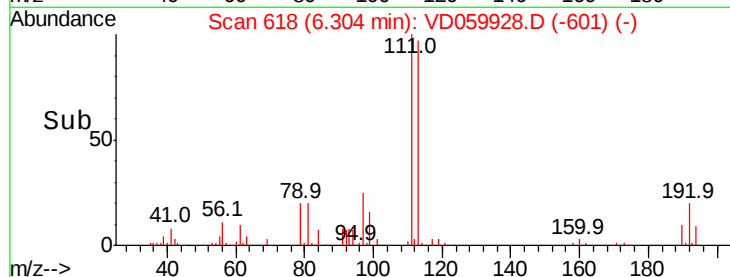
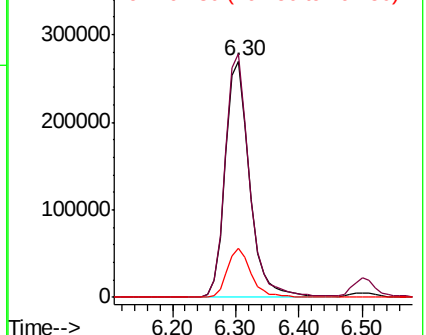
192 20.9 17.0 25.6



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: 52.725 ug/l

RT: 6.50 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

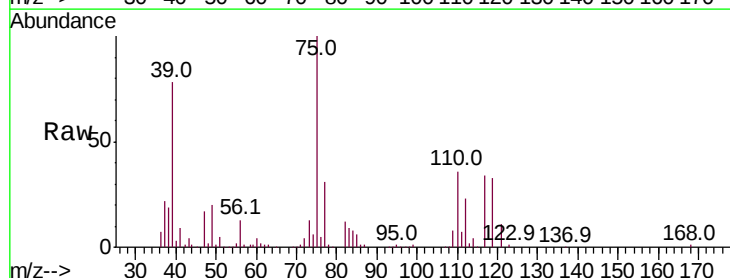
Tgt Ion: 75 Resp: 864656

Ion Ratio Lower Upper

75 100

110 36.4 18.6 56.0

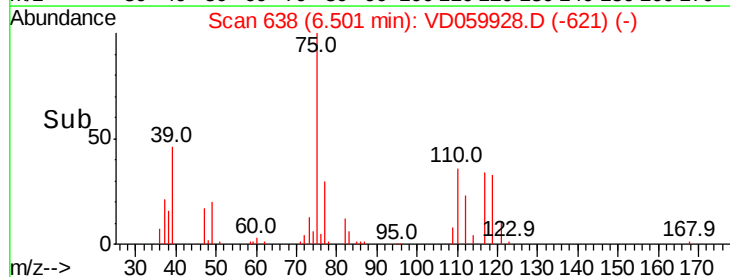
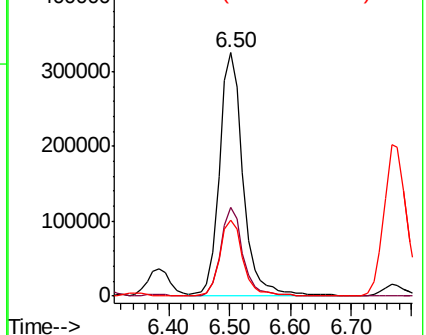
77 31.3 25.1 37.7

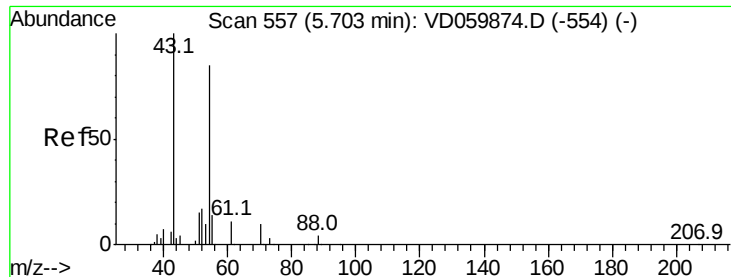


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

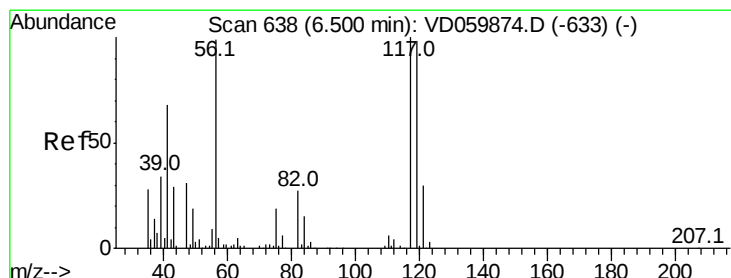
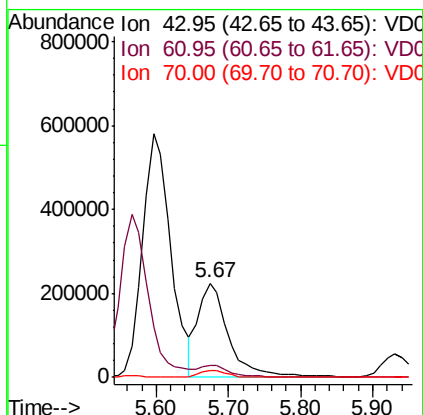
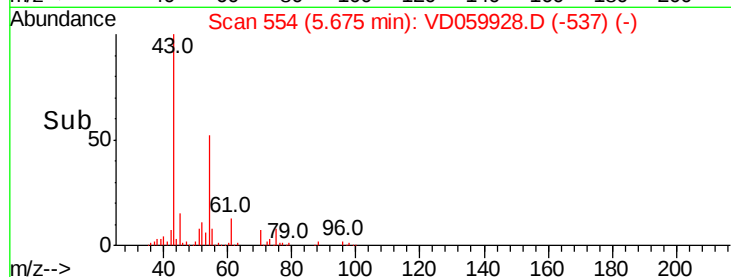
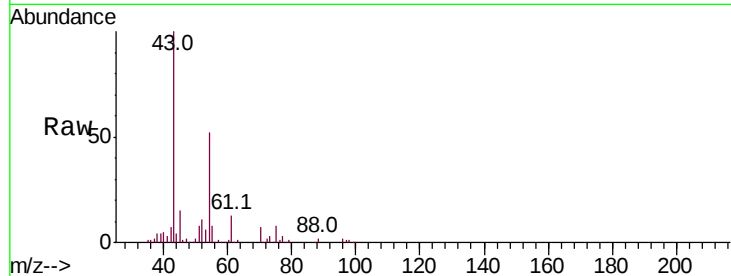




#37
Ethyl Acetate
Concen: 49.728 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

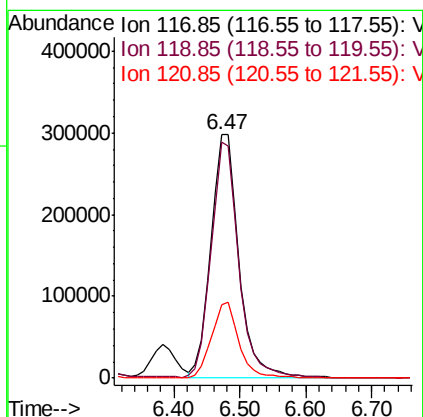
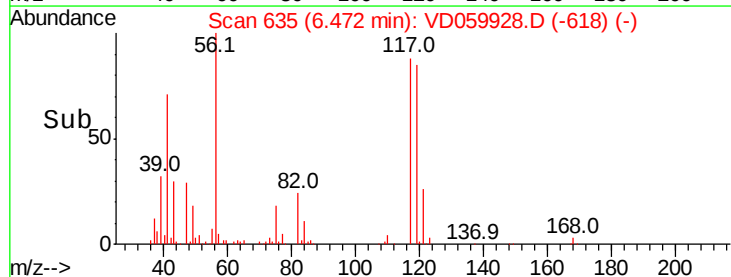
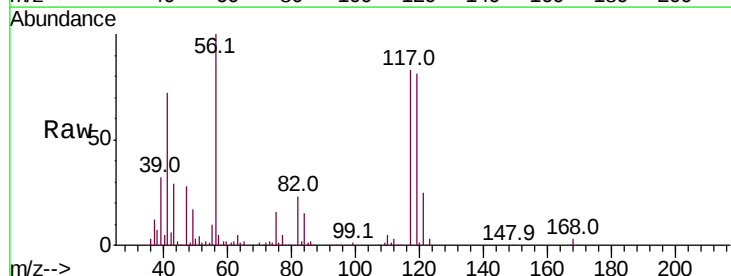
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

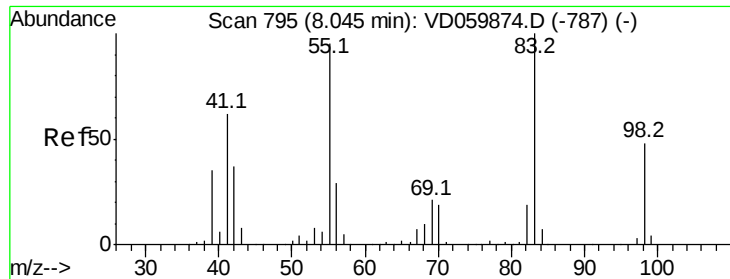
Tot Ion: 43 Resp: 634585
Ion Ratio Lower Upper
43 100
61 13.3 11.0 16.6
70 7.1 5.7 8.5



#38
Carbon Tetrachloride
Concen: 52.202 ug/l
RT: 6.47 min Scan# 635
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 117 Resp: 863922
Ion Ratio Lower Upper
117 100
119 97.2 77.2 115.8
121 30.1 24.0 36.0

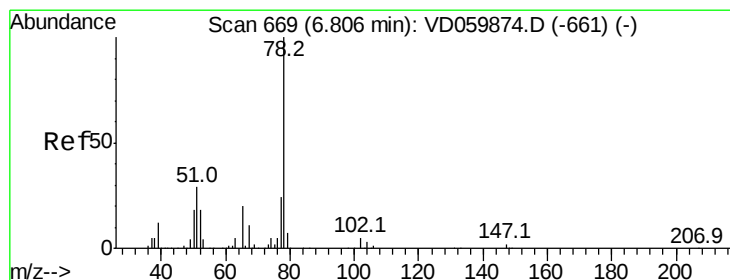
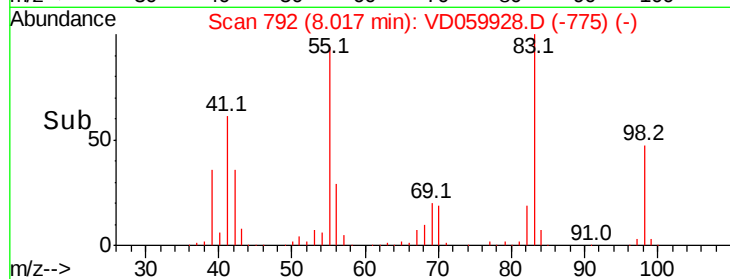
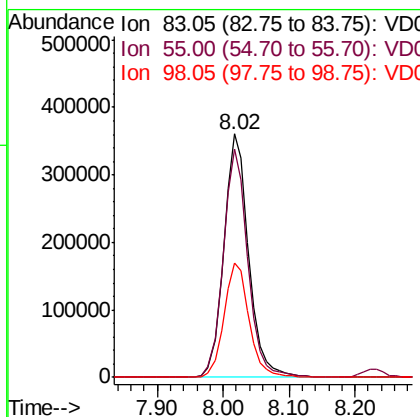
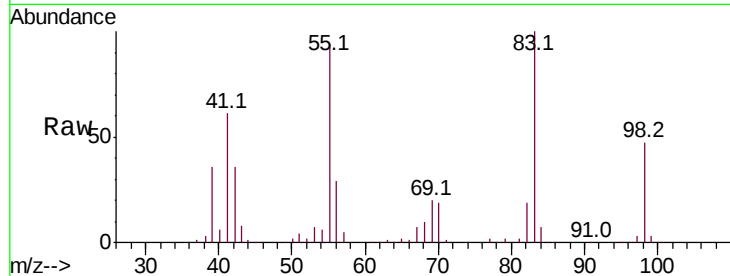




#39
Methvlcvclohexane
Concen: 53.510 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

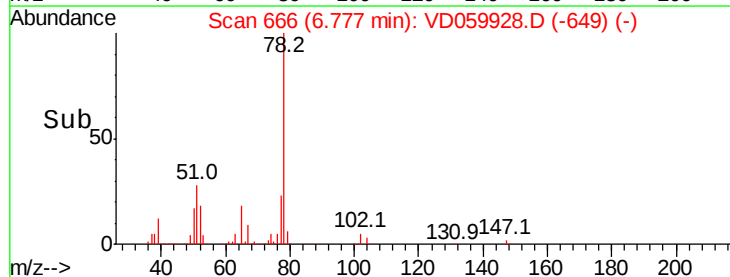
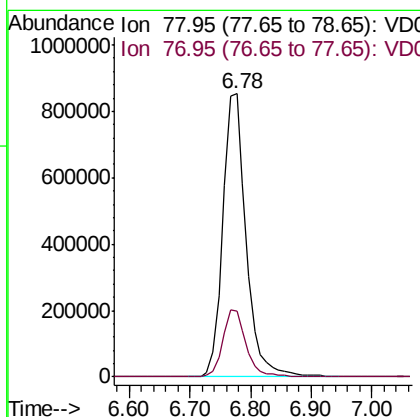
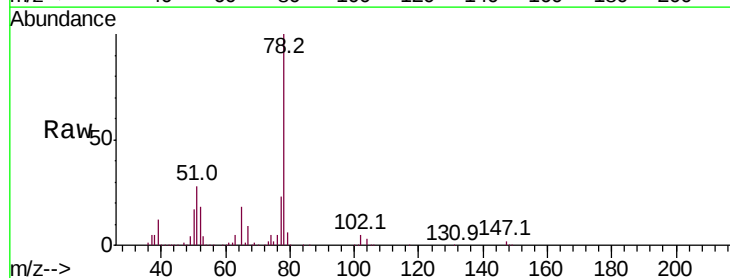
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

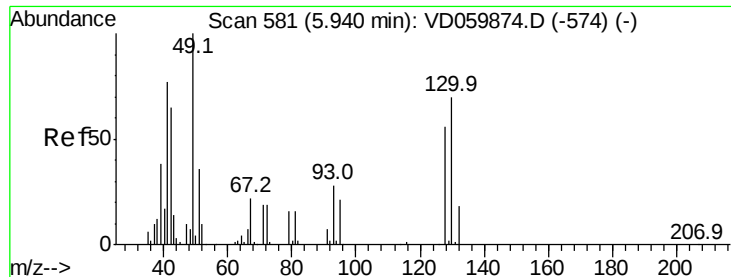
Tot Ion: 83 Resp: 948097
Ion Ratio Lower Upper
83 100
55 93.6 75.8 113.6
98 47.2 38.3 57.5



#40
Benzene
Concen: 53.501 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 78 Resp: 2281337
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 112.680 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 724324

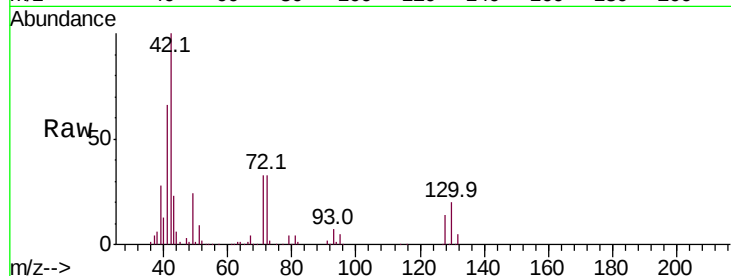
Ion Ratio Lower Upper

41 100

39 42.0 39.4 59.2

67 6.4 22.2 33.2#

52 3.7 10.1 15.1#

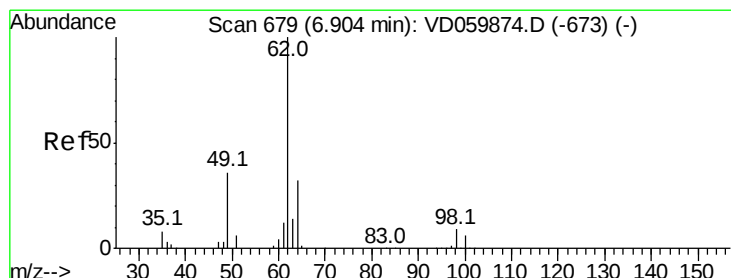
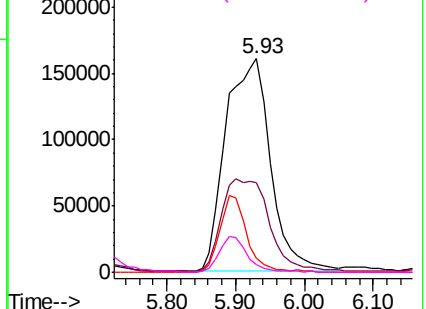
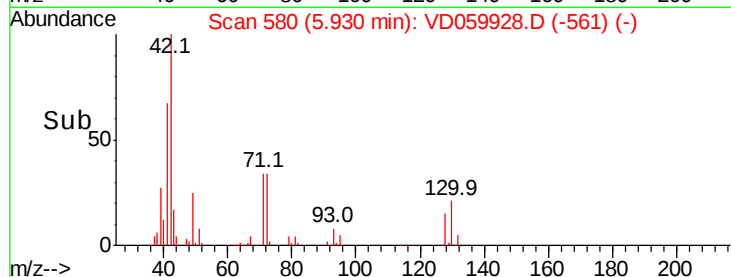


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.901 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059928.D

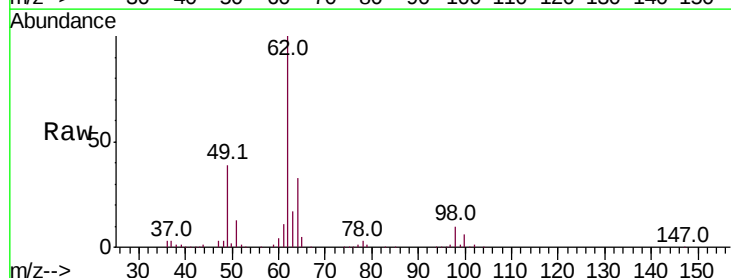
Acq: 31 Aug 2018 11:11

Tgt Ion: 62 Resp: 696781

Ion Ratio Lower Upper

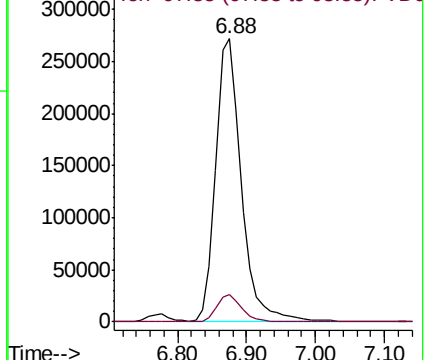
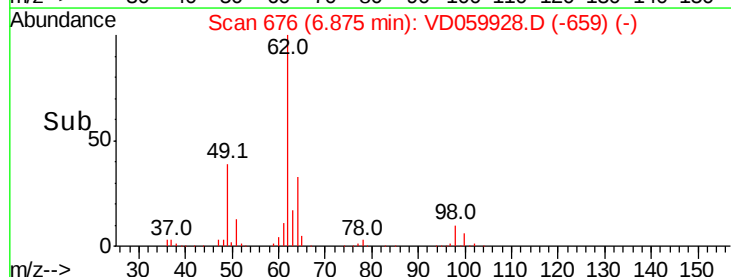
62 100

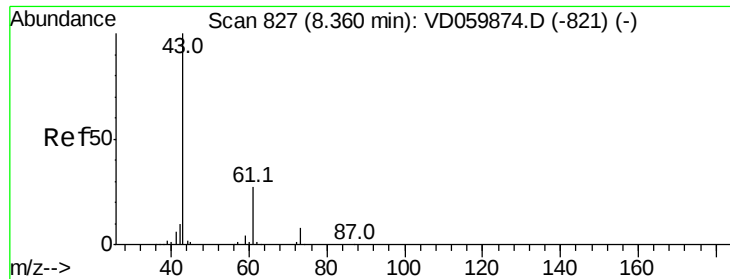
98 9.8 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



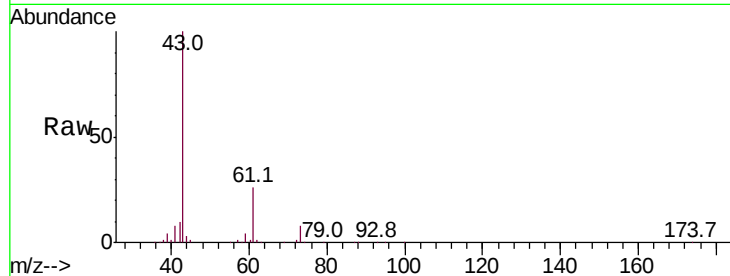


#43

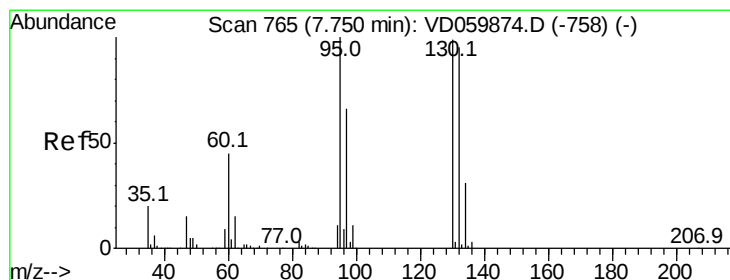
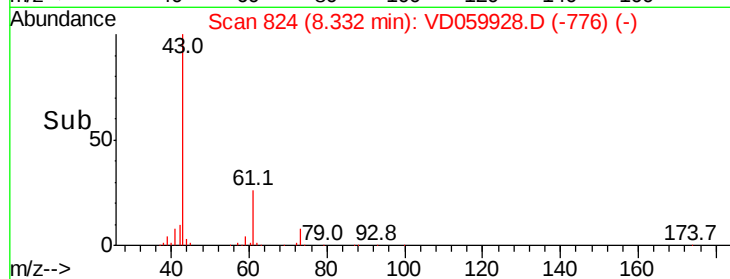
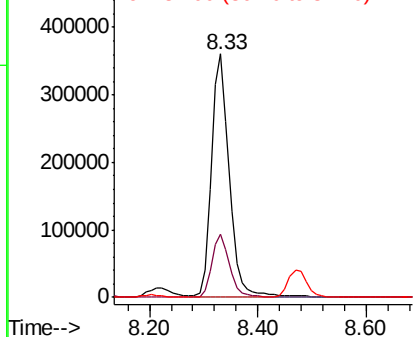
Isopropyl Acetate
 Concen: 49.351 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 819318
 Ion Ratio Lower Upper
 43 100
 61 25.9 21.4 32.2
 87 0.2 0.2 0.4



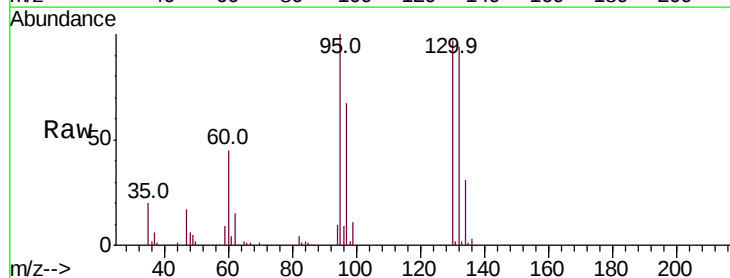
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



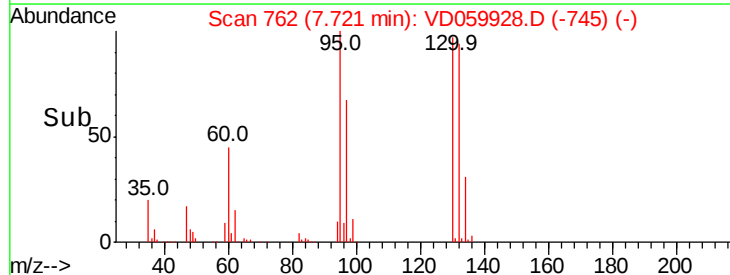
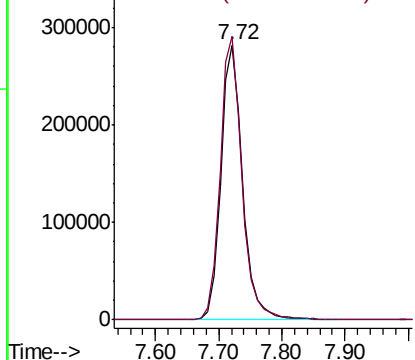
#44

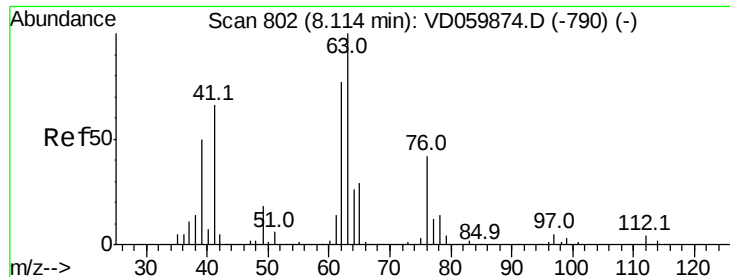
Trichloroethene
 Concen: 53.726 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion:130 Resp: 674533
 Ion Ratio Lower Upper
 130 100
 95 103.1 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 53.517 ug/l

RT: 8.09 min Scan# 799

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

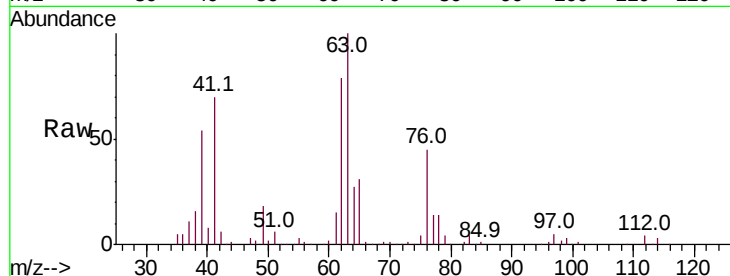
VSTDCCC050

Tot Ion: 63 Resp: 637866

Ion Ratio Lower Upper

63 100

65 31.2 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

250000

200000

150000

100000

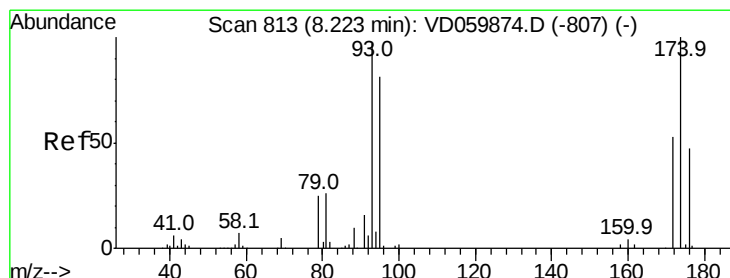
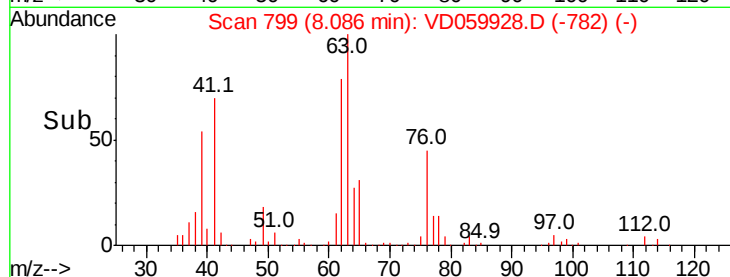
50000

0

Time-->

8.00

8.20



#46

Dibromomethane

Concen: 51.564 ug/l

RT: 8.19 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

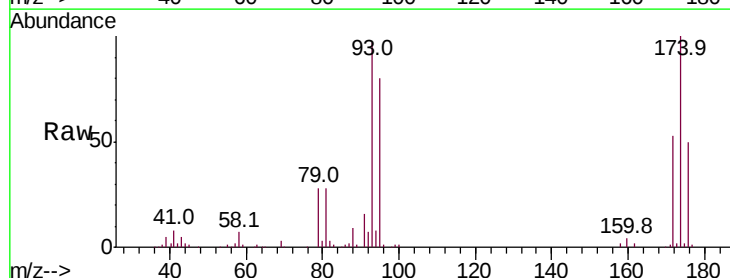
Tgt Ion: 93 Resp: 395171

Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 103.0 82.4 123.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

250000

200000

150000

100000

50000

0

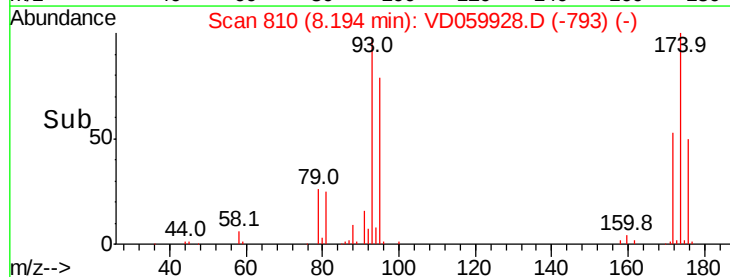
Time-->

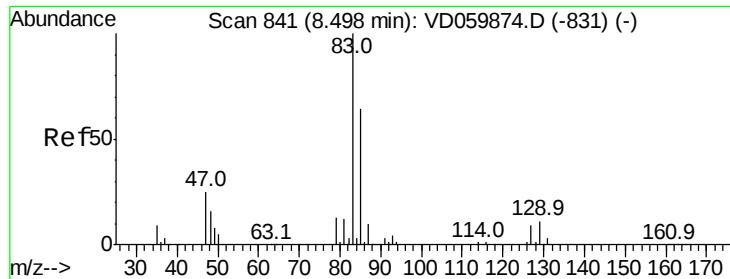
8.10

8.20

8.30

8.40





#47

Bromodichloromethane

Concen: 53.925 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

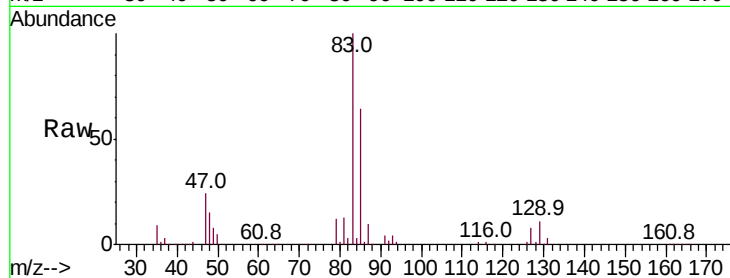
Tot Ion: 83 Resp: 935561

Ion Ratio Lower Upper

83 100

85 63.9 51.3 76.9

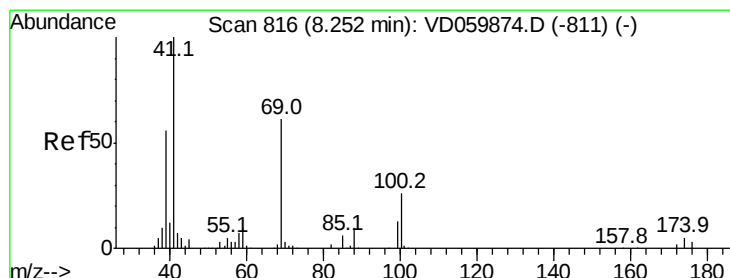
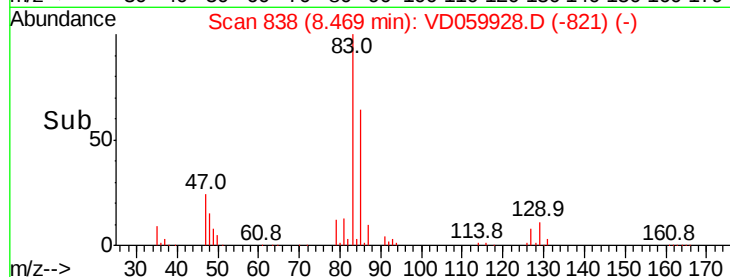
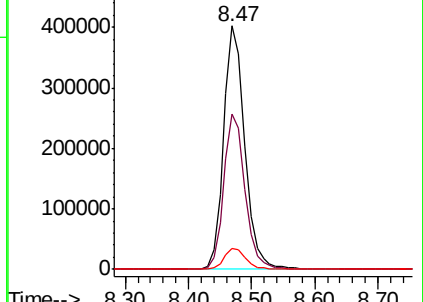
127 8.5 7.0 10.4



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: 49.319 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

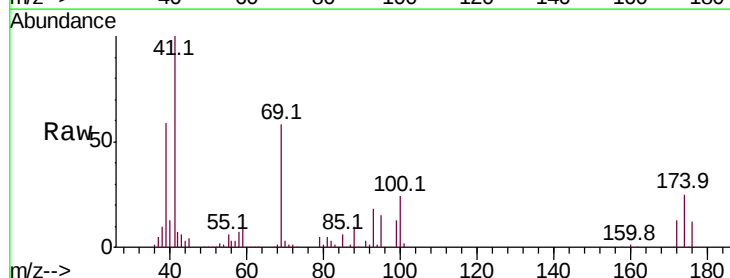
Tgt Ion: 41 Resp: 477295

Ion Ratio Lower Upper

41 100

69 57.8 48.0 72.0

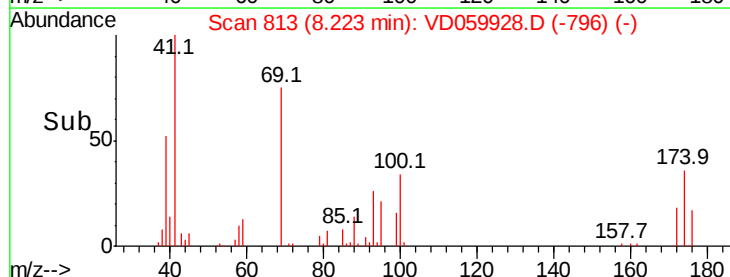
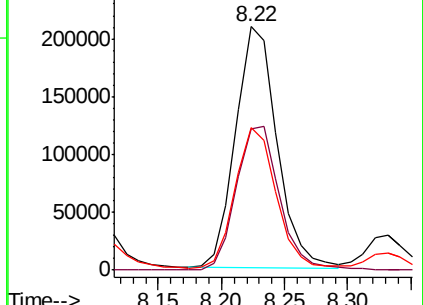
39 58.6 45.4 68.0

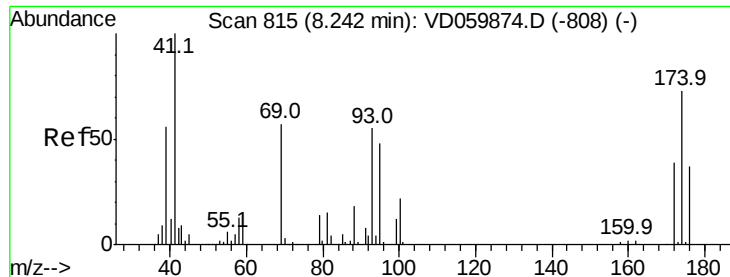


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1016.971 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

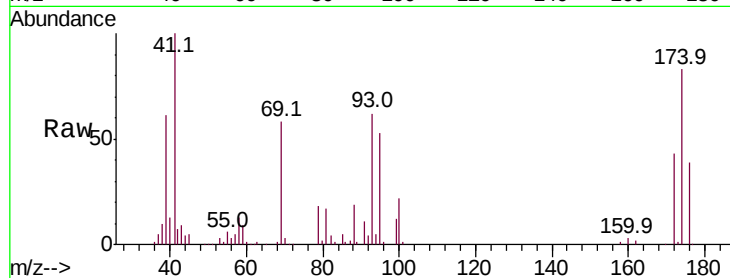
Tot Ion: 88 Resp: 87868

Ion Ratio Lower Upper

88 100

43 48.3 45.0 67.6

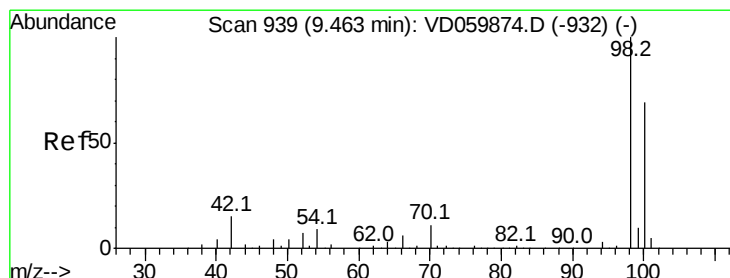
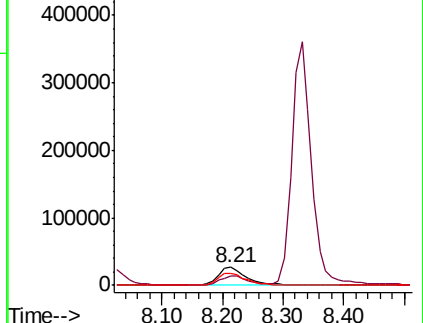
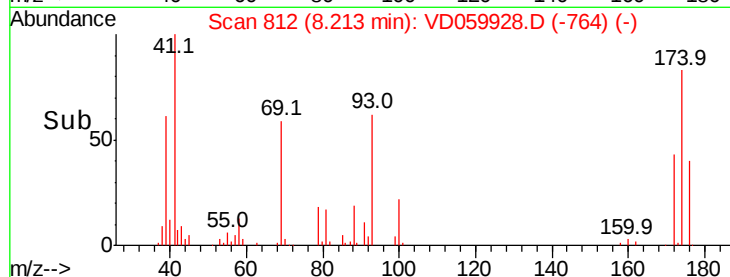
58 64.6 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1016.971 ug/l

RT: 9.43 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059928.D

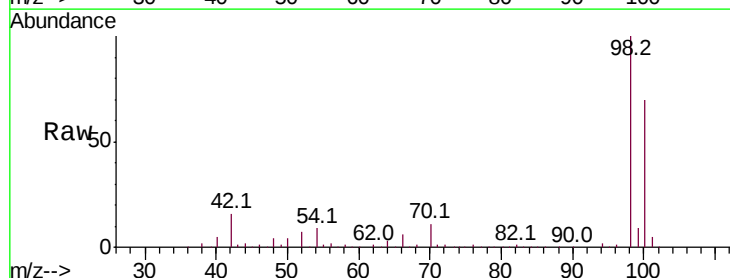
Acq: 31 Aug 2018 11:11

Tgt Ion: 98 Resp: 2009970

Ion Ratio Lower Upper

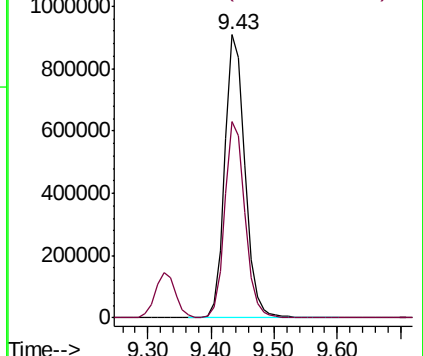
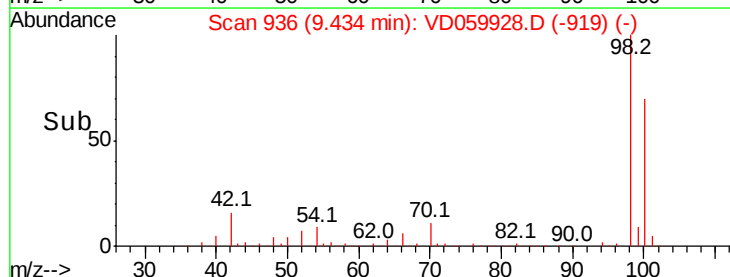
98 100

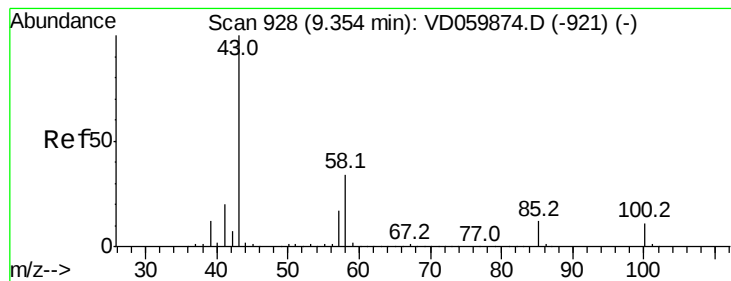
100 69.5 55.8 83.6



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: 260.522 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

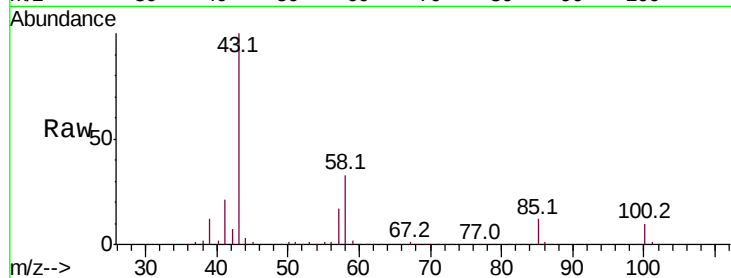
VSTDCCC050

Tot Ion: 43 Resp: 3224477

Ion Ratio Lower Upper

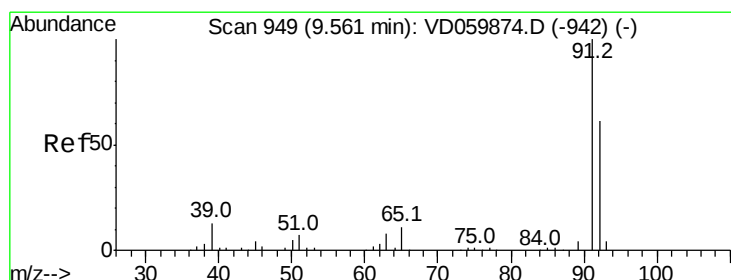
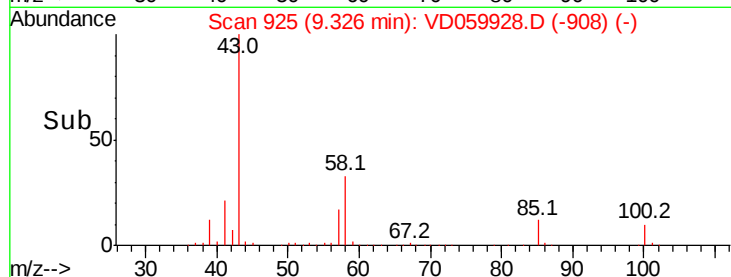
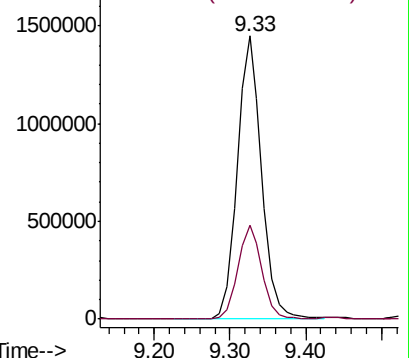
43 100

58 33.1 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.259 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059928.D

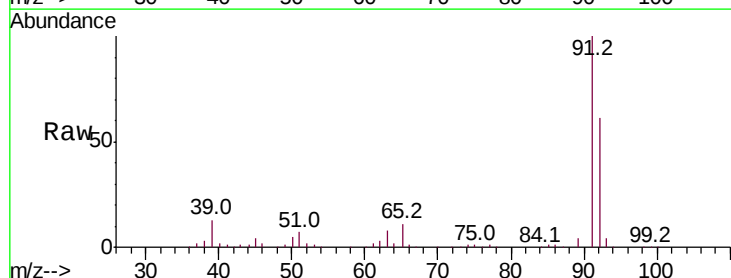
Acq: 31 Aug 2018 11:11

Tgt Ion: 92 Resp: 1483574

Ion Ratio Lower Upper

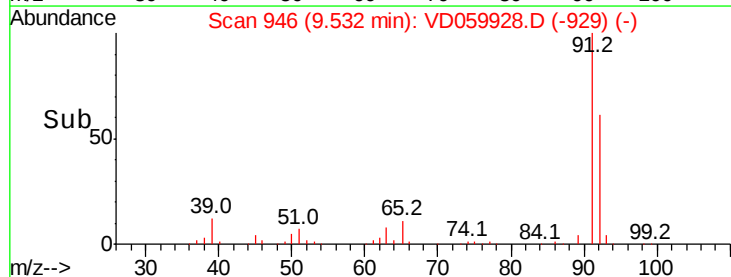
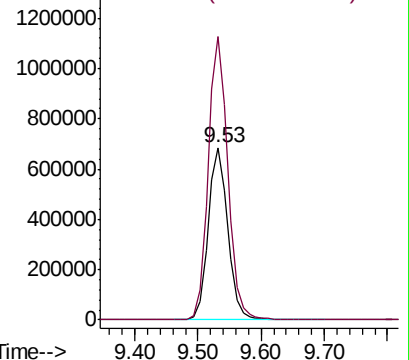
92 100

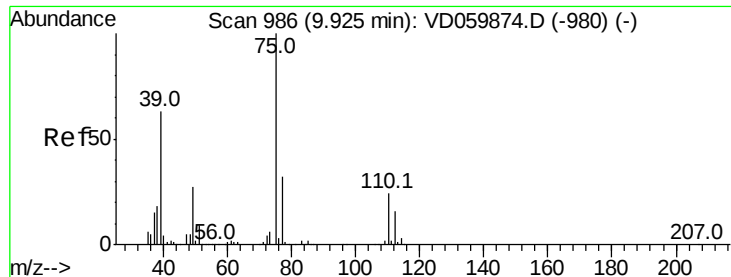
91 164.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

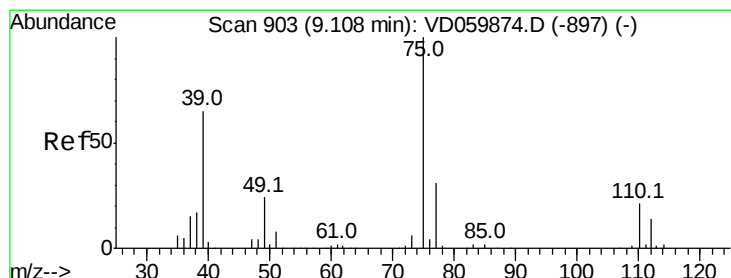
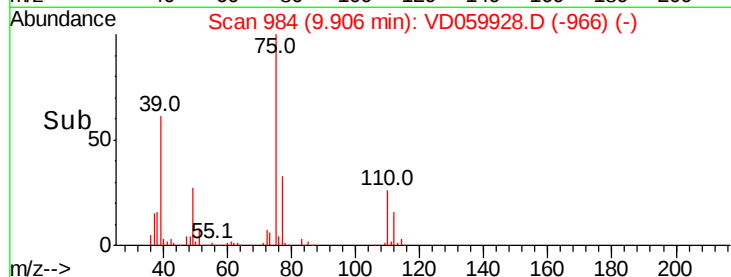
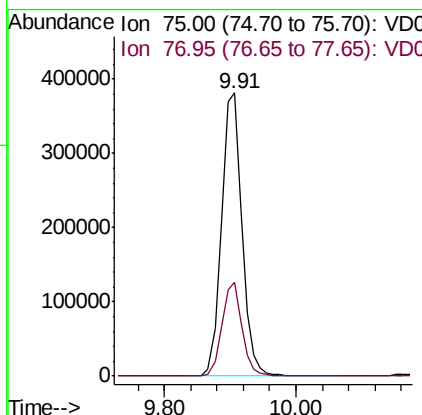
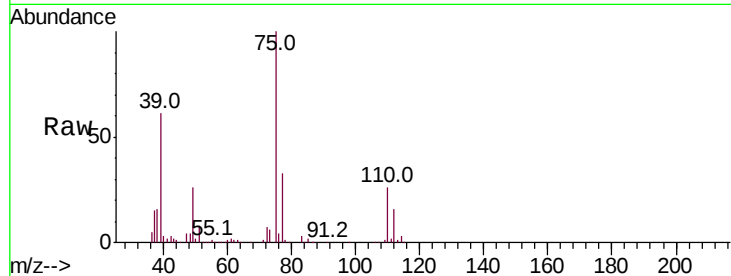




#53
 t-1,3-Dichloropropene
 Concen: 51.583 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

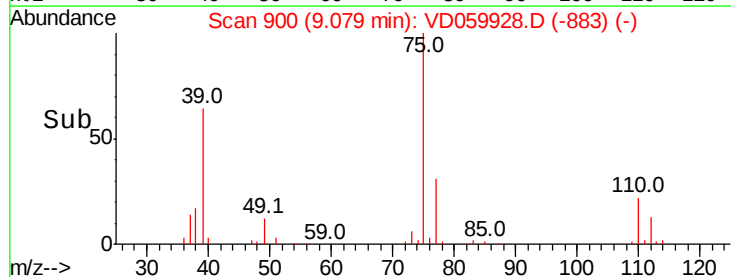
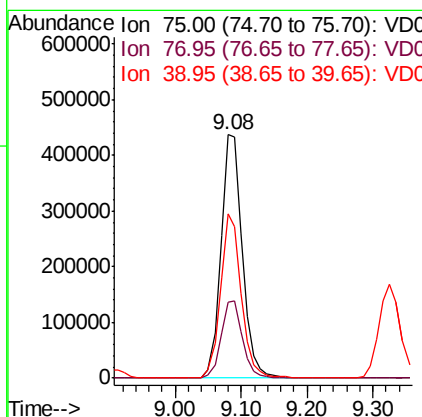
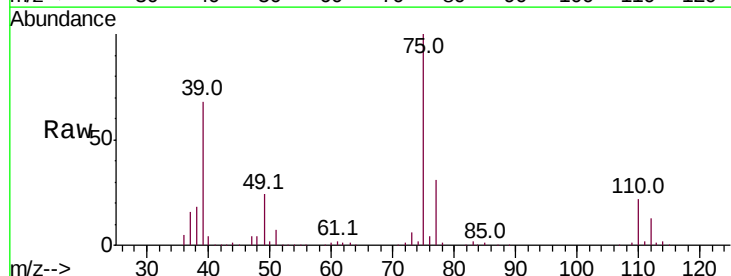
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

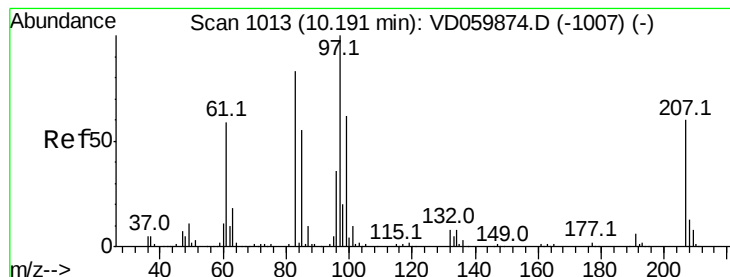
Tot Ion: 75 Resp: 827758
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 53.214 ug/l
 RT: 9.08 min Scan# 900
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion: 75 Resp: 990073
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.8 37.2
 39 67.6 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 49.760 ug/l

RT: 10.16 min Scan# 1010

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 497340

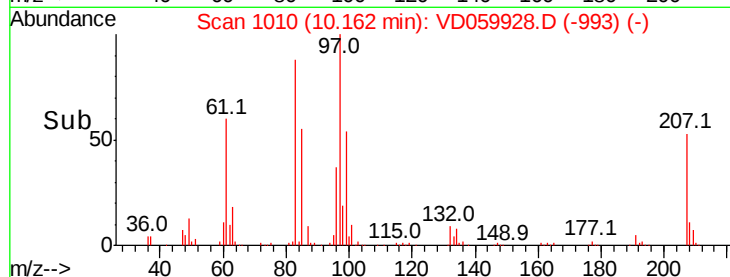
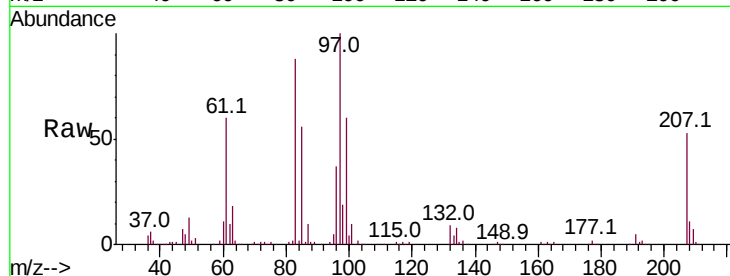
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.7	100.1
85	55.9	43.8	65.6
99	60.0	49.8	74.6

97 100

83 87.5 66.7 100.1

85 55.9 43.8 65.6

99 60.0 49.8 74.6

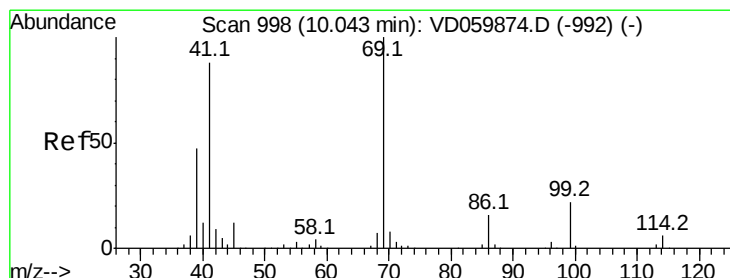
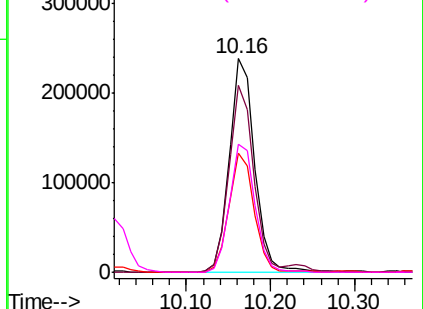


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 49.692 ug/l

RT: 10.01 min Scan# 995

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

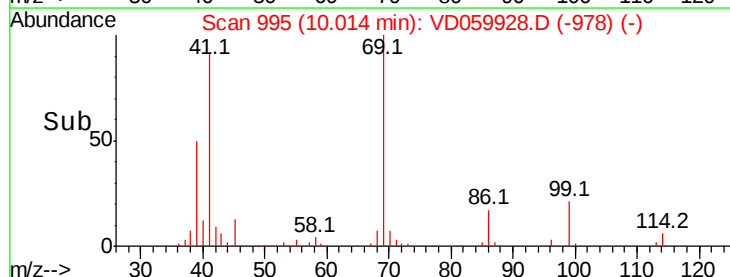
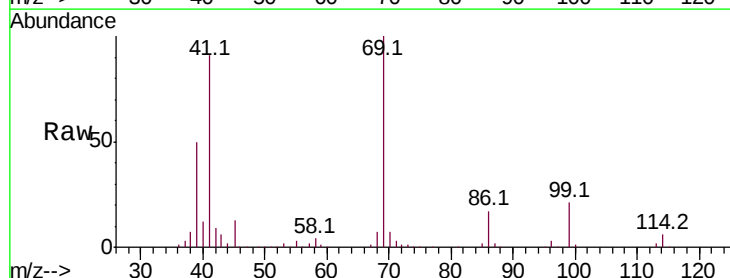
Tgt Ion: 69 Resp: 573188

Ion	Ratio	Lower	Upper
69	100		
41	91.4	71.0	106.4
39	50.1	38.5	57.7

69 100

41 91.4 71.0 106.4

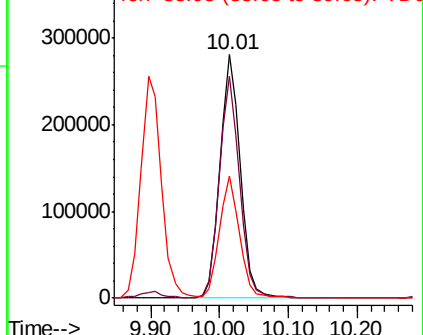
39 50.1 38.5 57.7

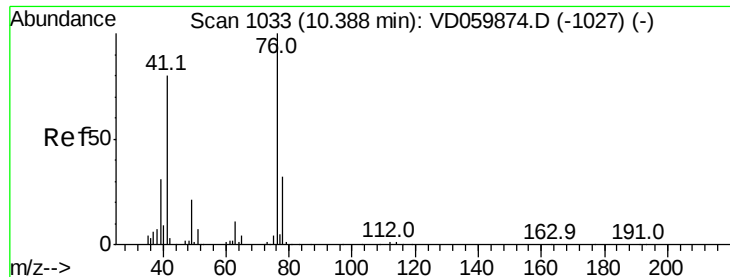


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.553 ug/l

RT: 10.37 min Scan# 1031

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

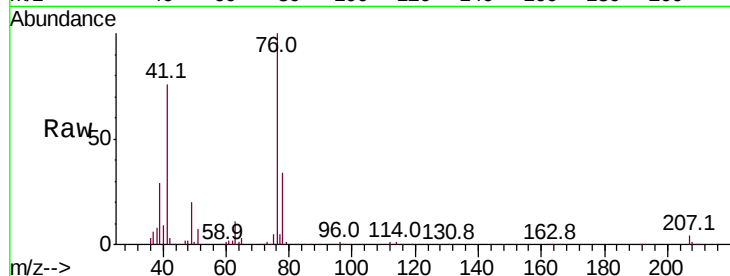
VSTDCCC050

Tot Ion: 76 Resp: 760242

Ion Ratio Lower Upper

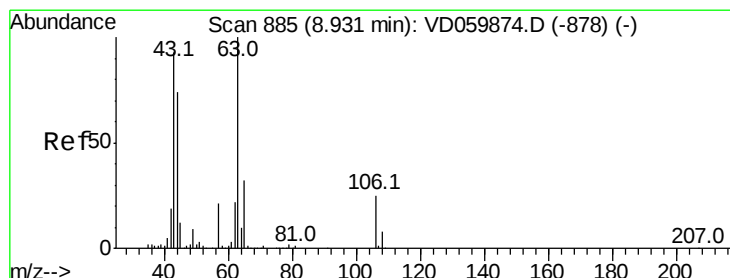
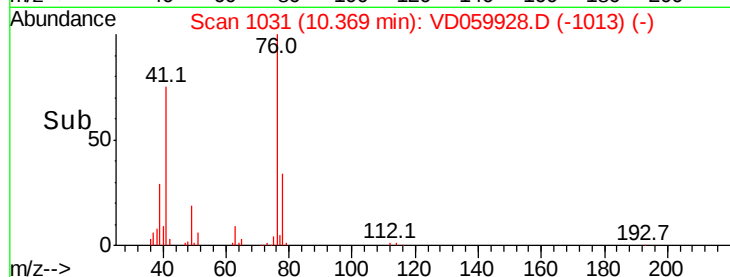
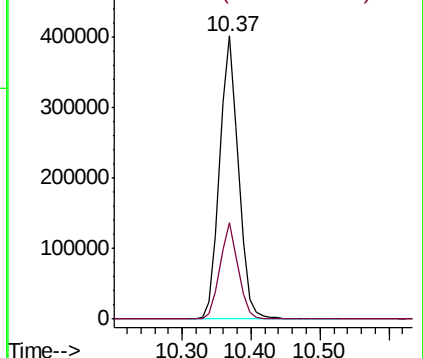
76 100

78 33.9 25.8 38.6



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: 252.577 ug/l

RT: 8.90 min Scan# 882

Delta R.T. -0.03 min

Lab File: VD059928.D

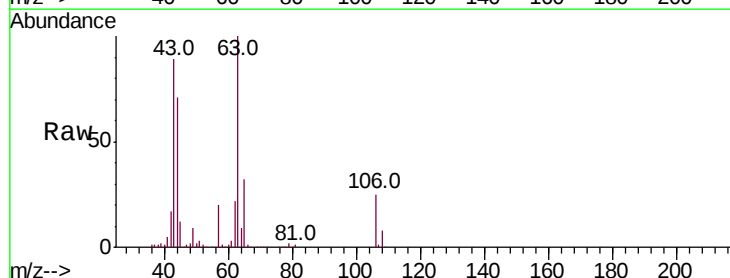
Acq: 31 Aug 2018 11:11

Tgt Ion: 63 Resp: 1397639

Ion Ratio Lower Upper

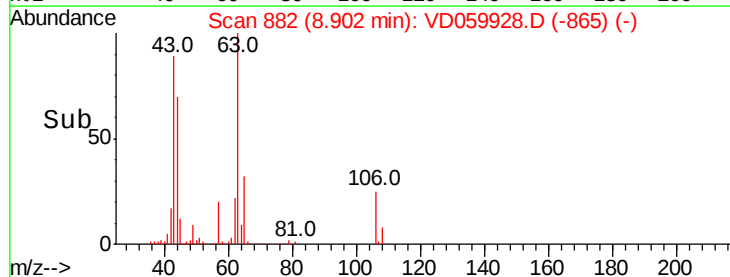
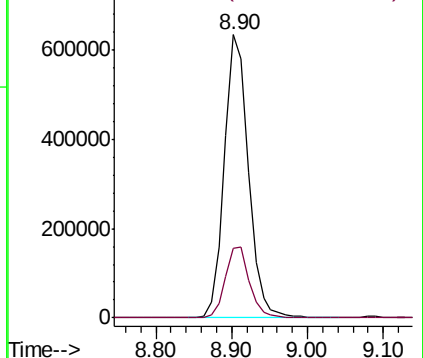
63 100

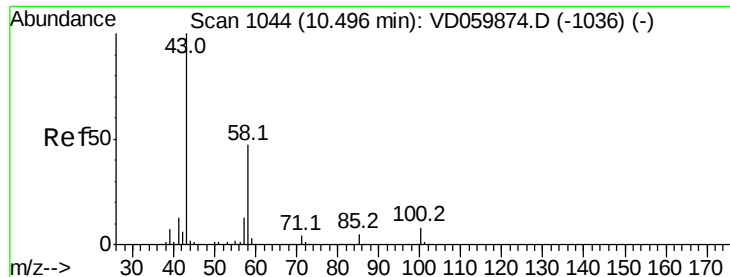
106 24.5 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 265.864 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

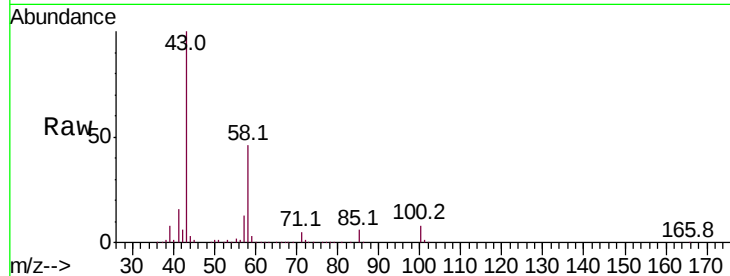
VSTDCCC050

Tot Ion: 43 Resp: 2427087

Ion Ratio Lower Upper

43 100

58 46.5 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

1500000 Ion 57.95 (57.65 to 58.65): VDC

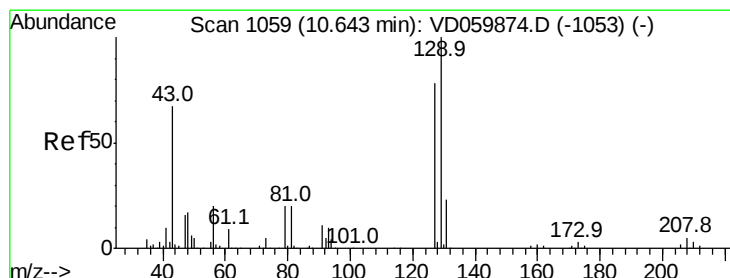
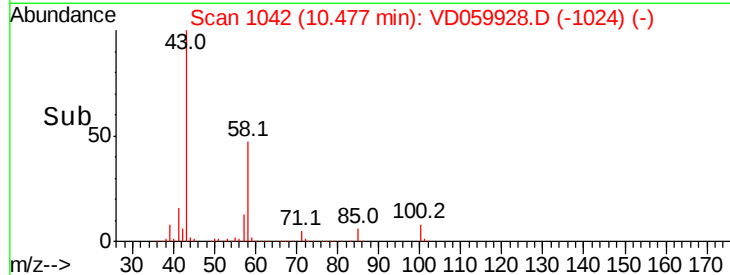
10.48

1000000

500000

0

Time--> 10.30 10.40 10.50 10.60



#60

Dibromochloromethane

Concen: 52.196 ug/l

RT: 10.62 min Scan# 1057

Delta R.T. -0.02 min

Lab File: VD059928.D

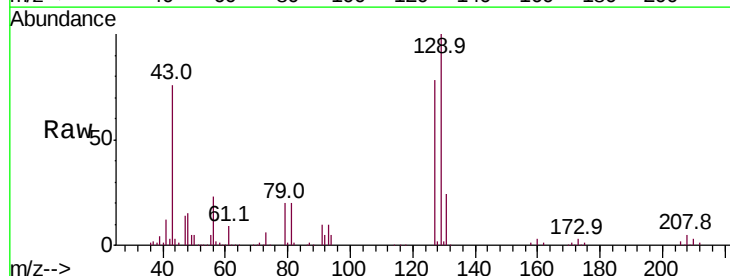
Acq: 31 Aug 2018 11:11

Tgt Ion:129 Resp: 655716

Ion Ratio Lower Upper

129 100

127 78.1 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

400000 Ion 126.80 (126.50 to 127.50): V

10.62

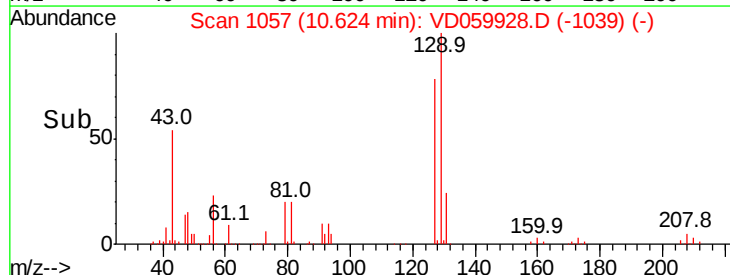
300000

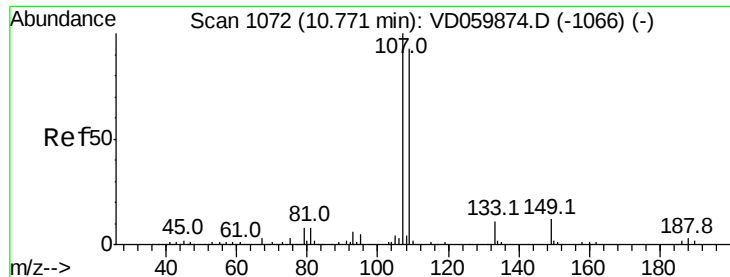
200000

100000

0

Time--> 10.50 10.60 10.70 10.80





#61

1,2-Dibromoethane

Concen: 51.254 ug/l

RT: 10.74 min Scan# 1069

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

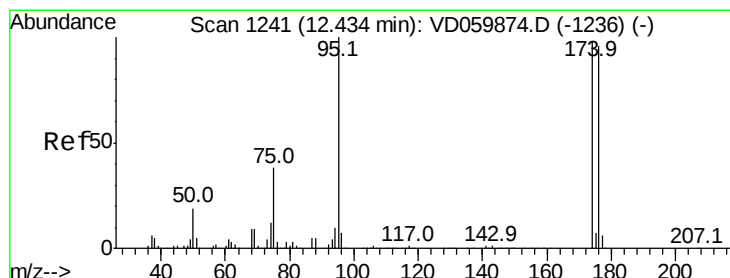
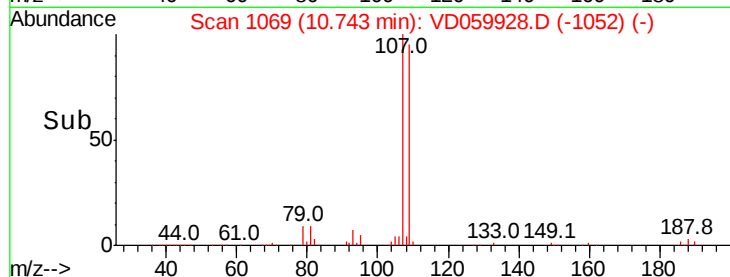
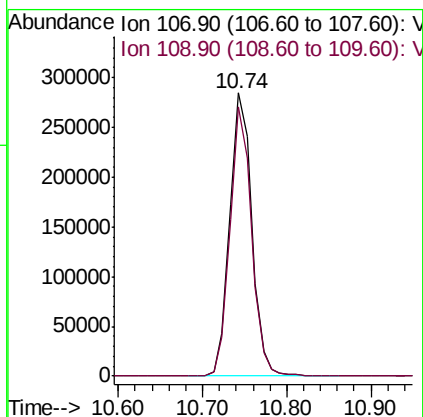
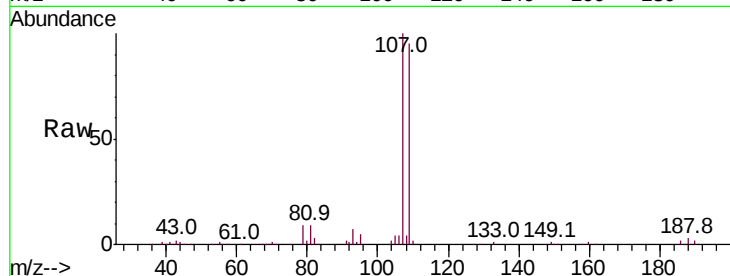
VSTDCCC050

Tot Ion:107 Resp: 517976

Ion Ratio Lower Upper

107 100

109 95.1 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 51.254 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

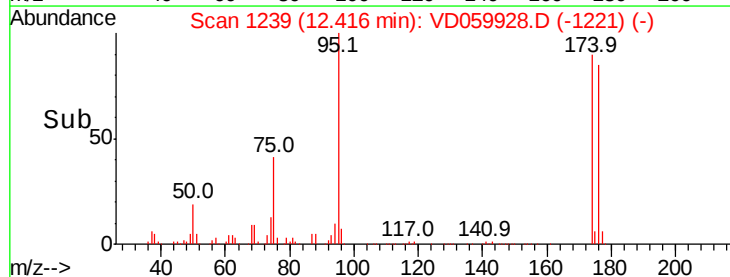
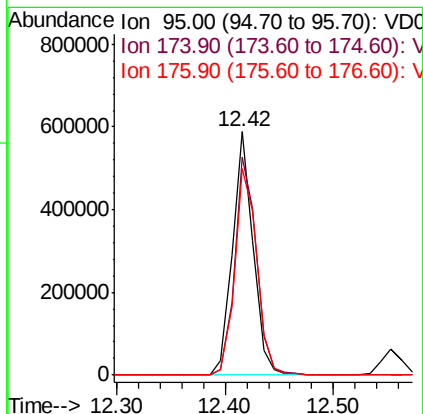
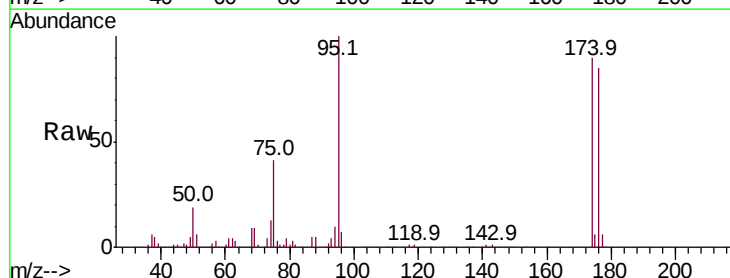
Tgt Ion: 95 Resp: 781345

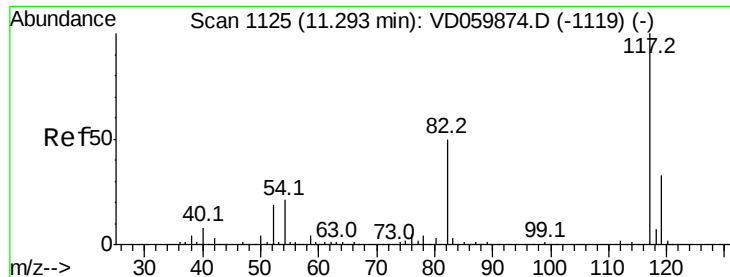
Ion Ratio Lower Upper

95 100

174 89.6 0.0 195.6

176 84.8 0.0 191.2

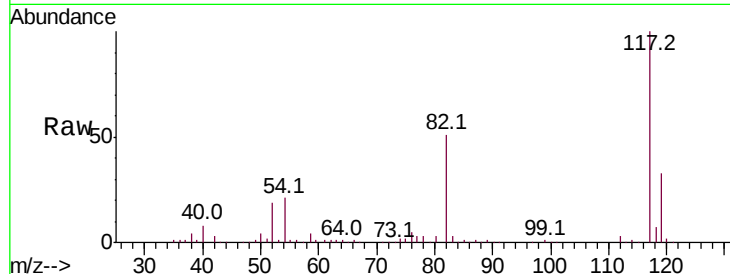




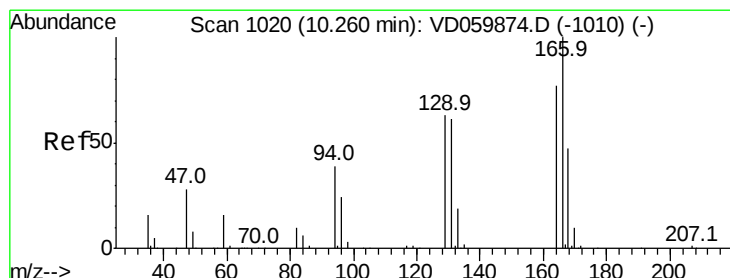
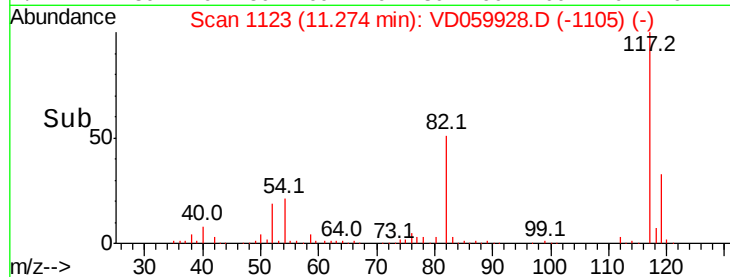
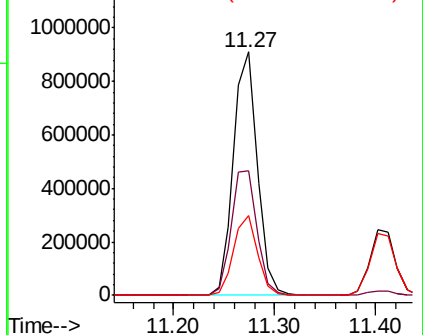
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1503408
Ion Ratio Lower Upper
117 100
82 51.1 40.1 60.1
119 32.5 26.7 40.1

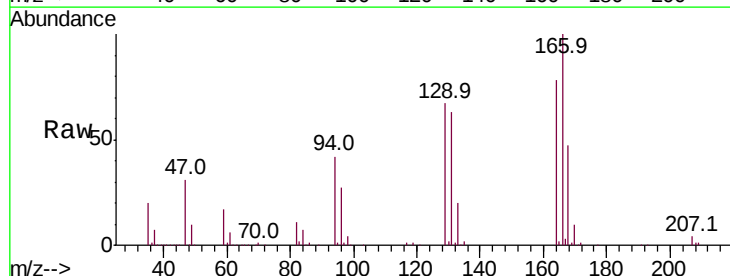


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

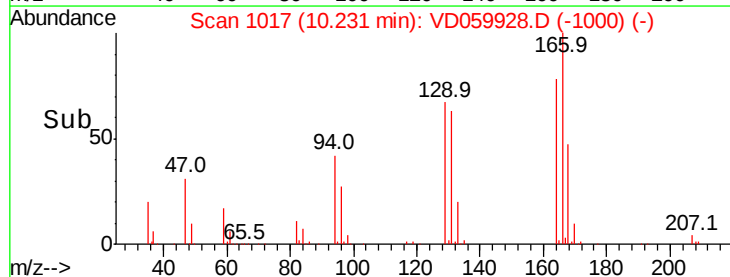
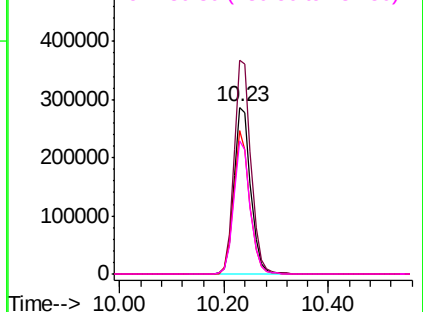


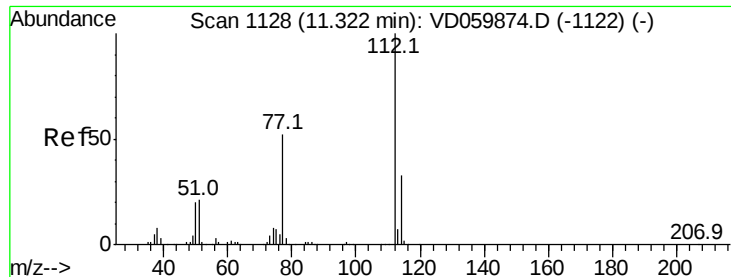
#64
Tetrachloroethene
Concen: 53.511 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:164 Resp: 622054
Ion Ratio Lower Upper
164 100
166 128.2 103.4 155.2
129 85.8 65.2 97.8
131 80.1 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

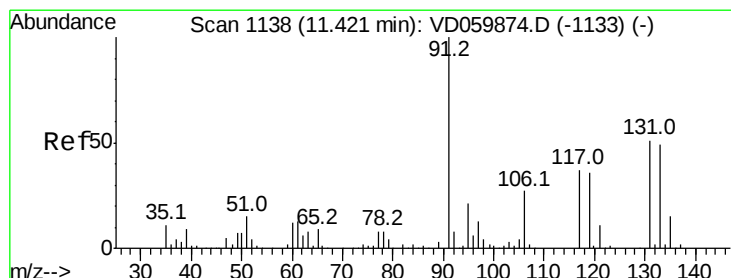
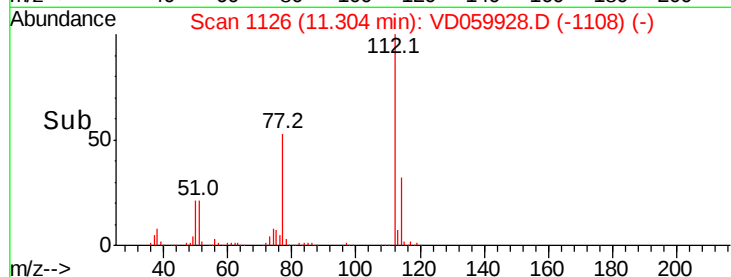
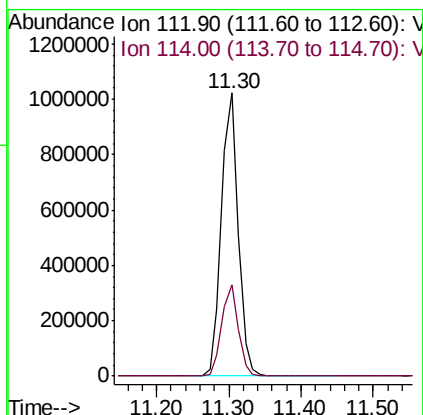
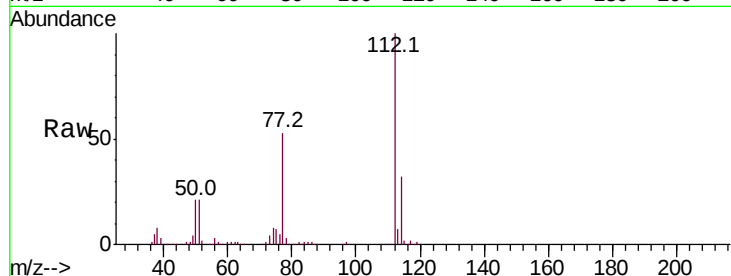




#65
Chlorobenzene
Concen: 54.936 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

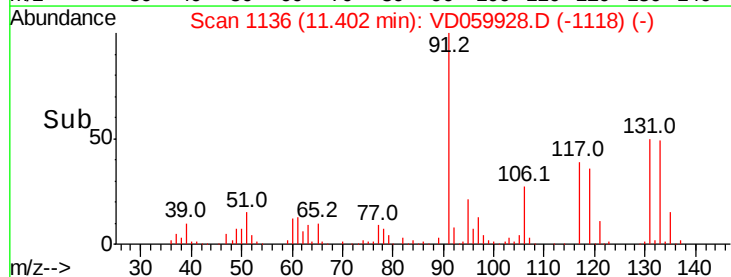
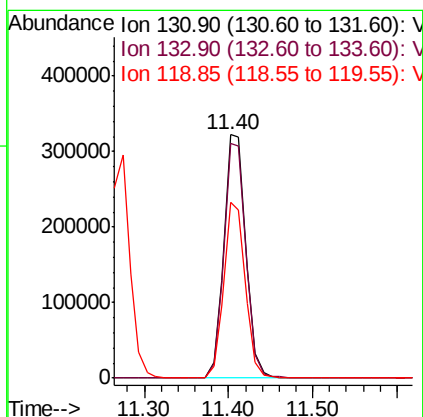
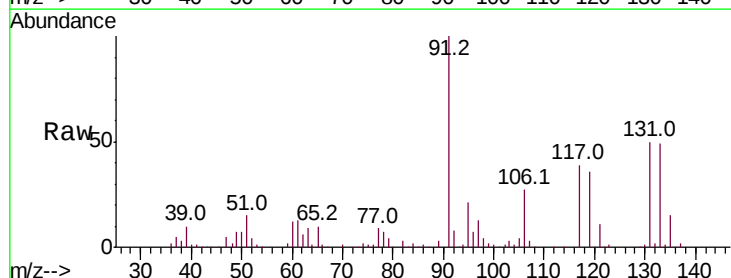
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

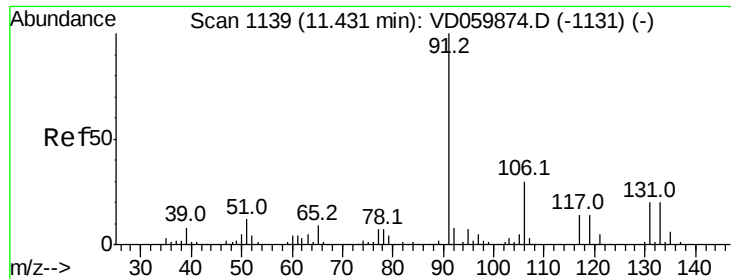
Tot Ion:112 Resp: 1641234
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.171 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:131 Resp: 580343
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.8
119 72.1 35.4 106.3

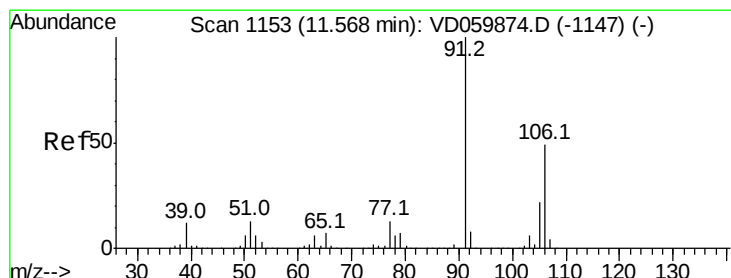
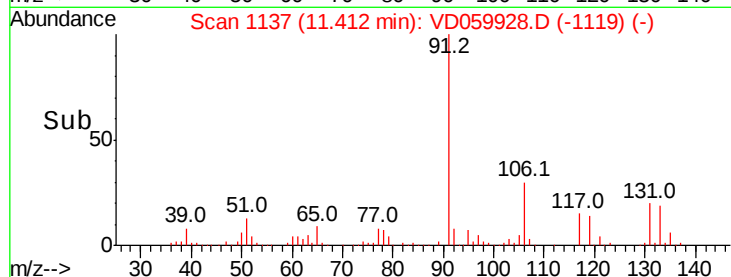
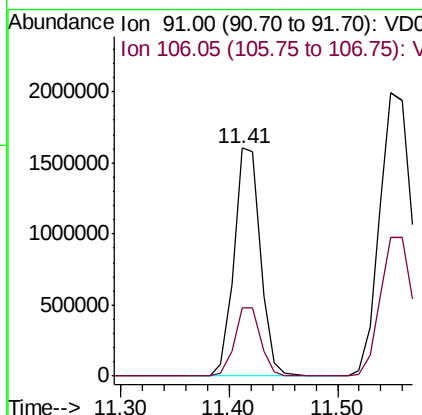
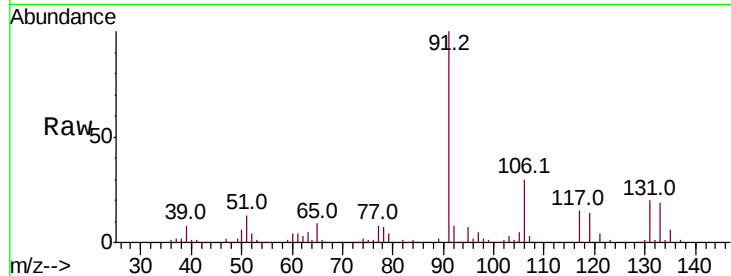




#67
Ethyl Benzene
Concen: 54.333 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

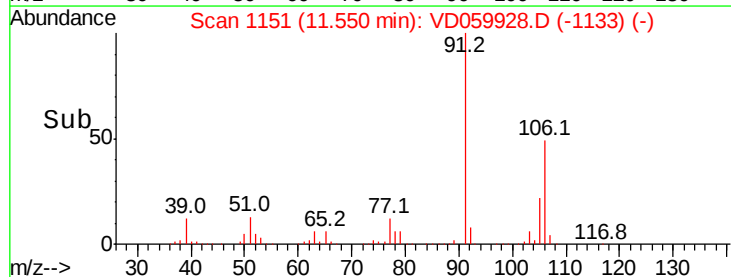
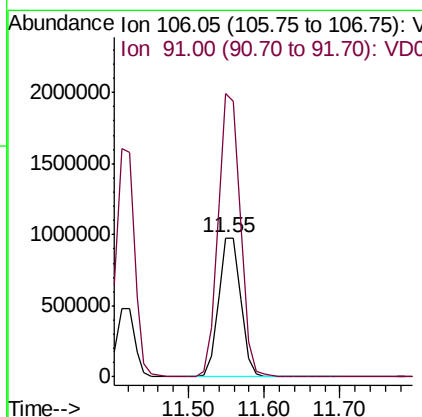
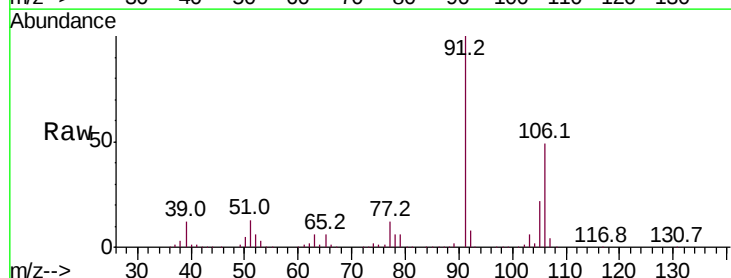
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

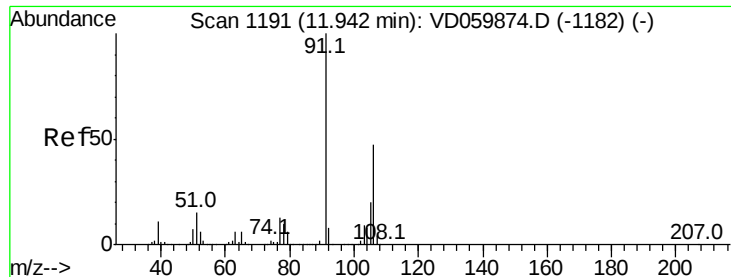
Tot Ion: 91 Resp: 2730837
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8



#68
m/p-Xylenes
Concen: 109.147 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 106 Resp: 1997361
Ion Ratio Lower Upper
106 100
91 203.2 162.0 243.0

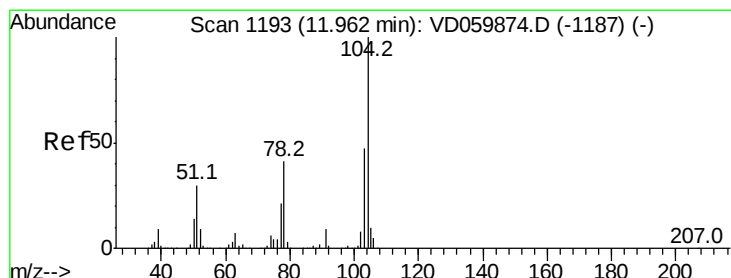
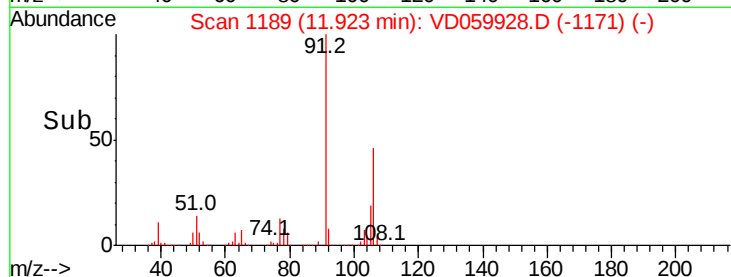
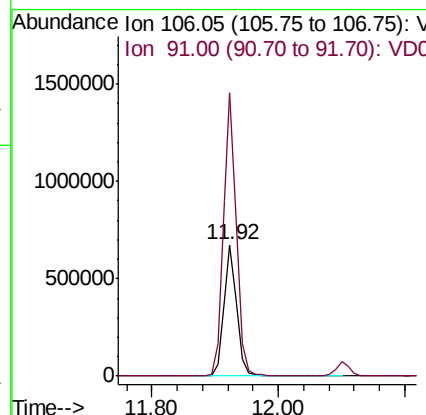
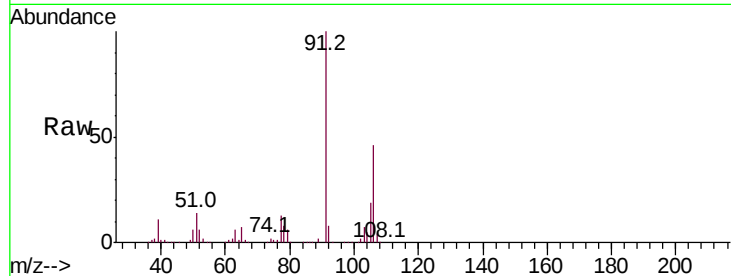




#69
o-Xylene
Concen: 54.428 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

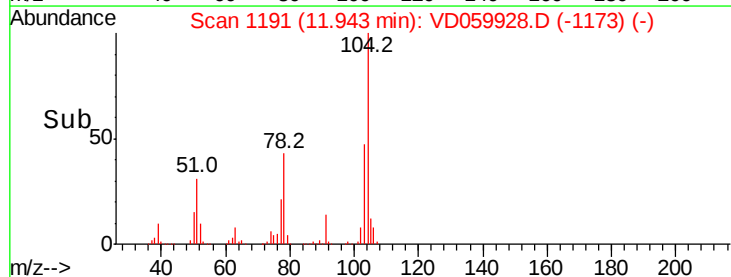
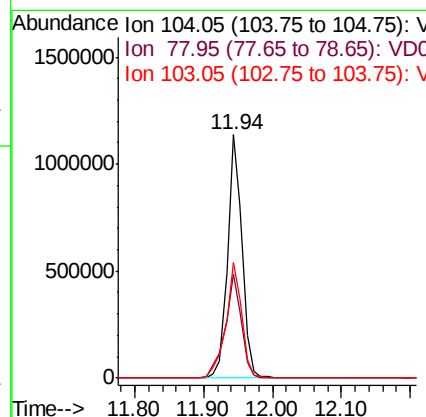
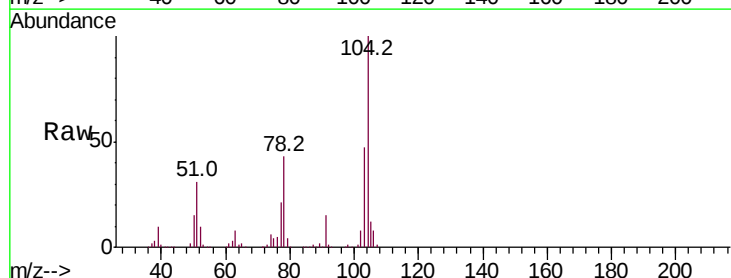
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

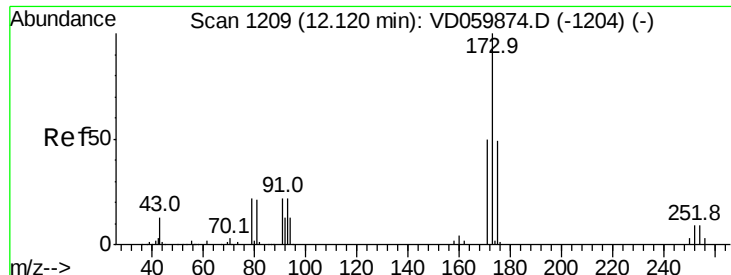
Tot Ion:106 Resp: 974165
Ion Ratio Lower Upper
106 100
91 215.8 107.3 322.0



#70
Styrene
Concen: 53.345 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:104 Resp: 1653221
Ion Ratio Lower Upper
104 100
78 42.6 32.6 49.0
103 47.4 37.7 56.5





#71

Bromoform

Concen: 50.632 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

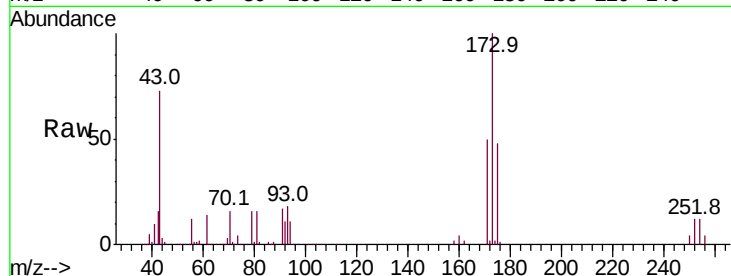
Tot Ion:173 Resp: 478167

Ion Ratio Lower Upper

173 100

175 47.7 24.3 73.0

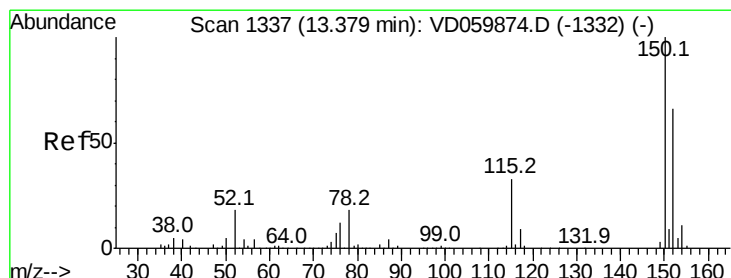
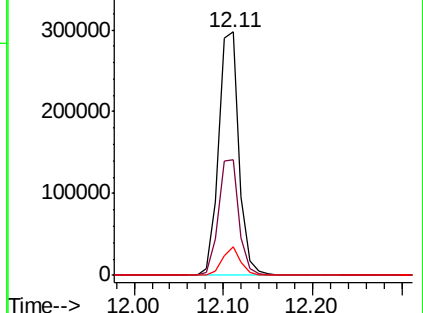
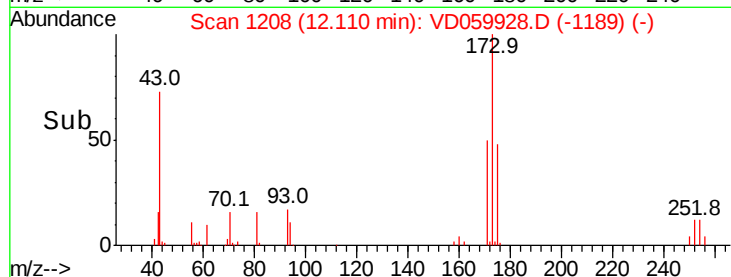
254 11.7 7.0 10.6#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

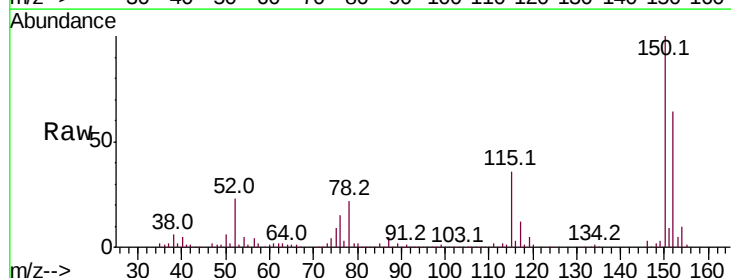
Tgt Ion:152 Resp: 798925

Ion Ratio Lower Upper

152 100

115 56.1 25.7 77.0

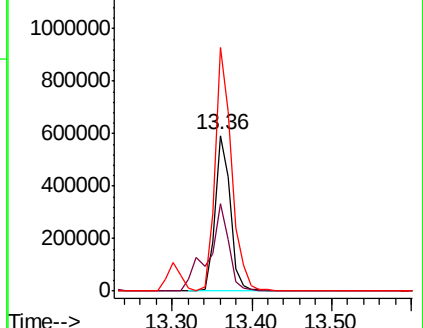
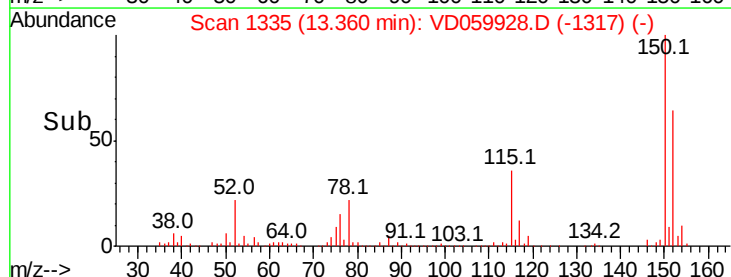
150 156.4 0.0 310.2

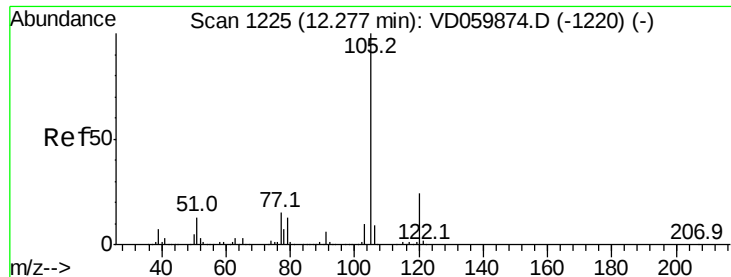


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.703 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

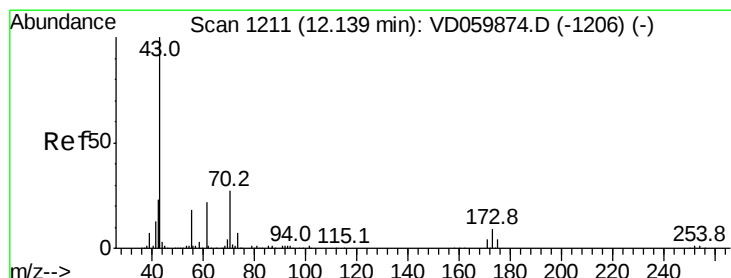
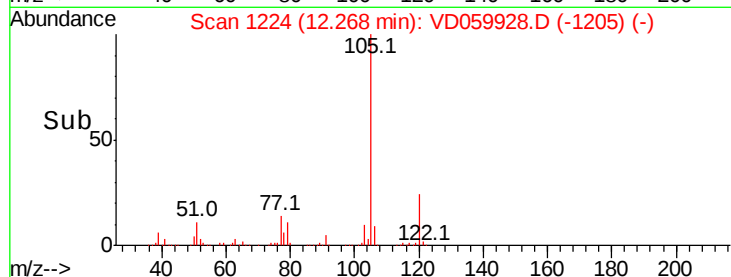
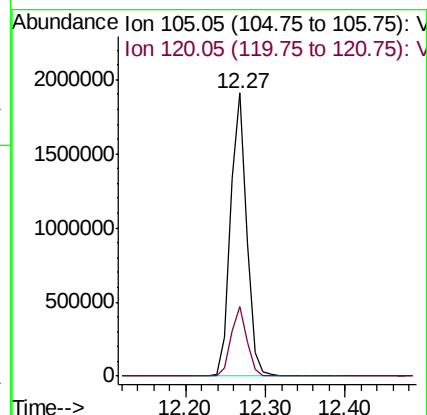
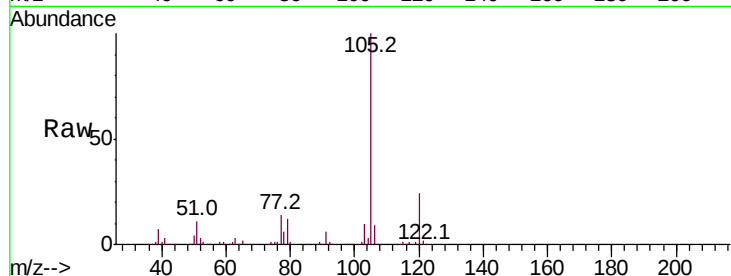
VSTDCCC050

Tot Ion:105 Resp: 2738795

Ion Ratio Lower Upper

105 100

120 24.4 11.8 35.4



#74

N-ethyl acetate

Concen: 47.939 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tgt Ion: 43 Resp: 1070494

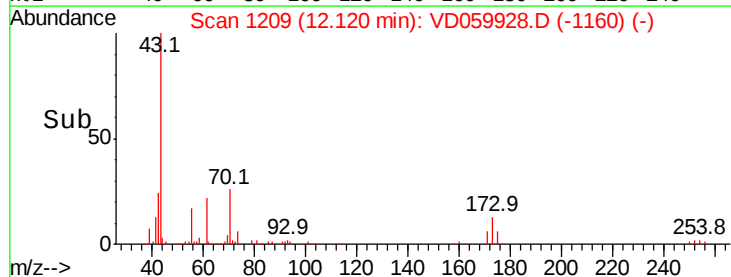
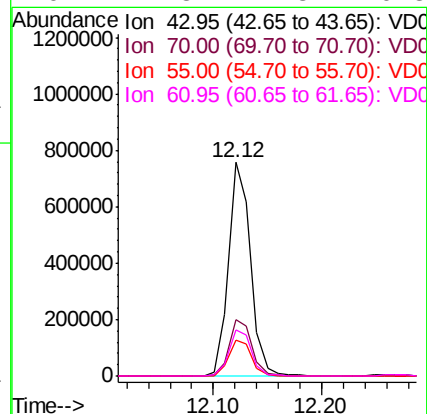
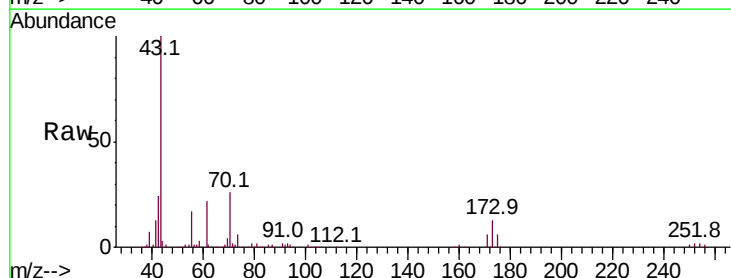
Ion Ratio Lower Upper

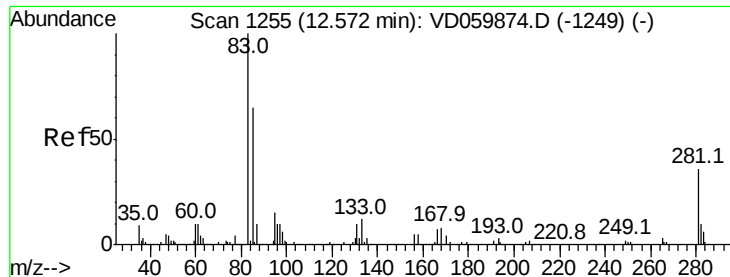
43 100

70 26.2 21.4 32.2

55 16.9 14.1 21.1

61 21.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.203 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

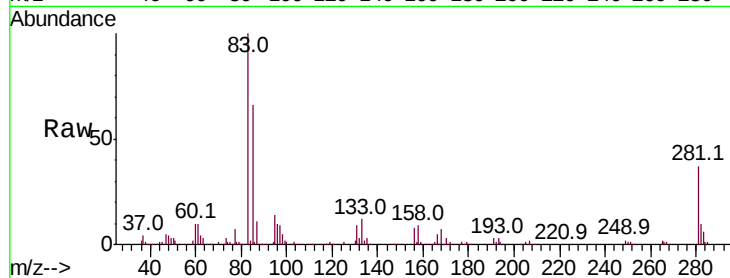
Tot Ion: 83 Resp: 604010

Ion Ratio Lower Upper

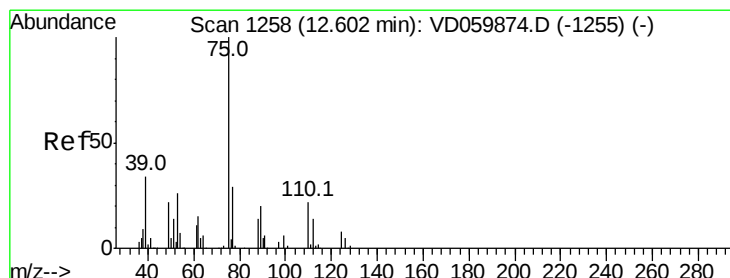
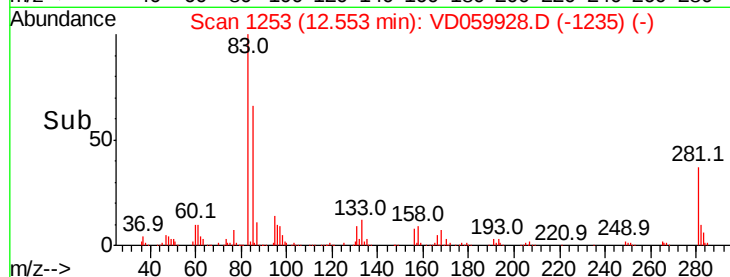
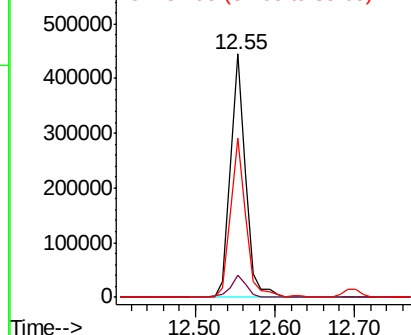
83 100

131 9.0 4.8 14.4

85 65.5 32.6 97.8



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: 50.126 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VD059928.D

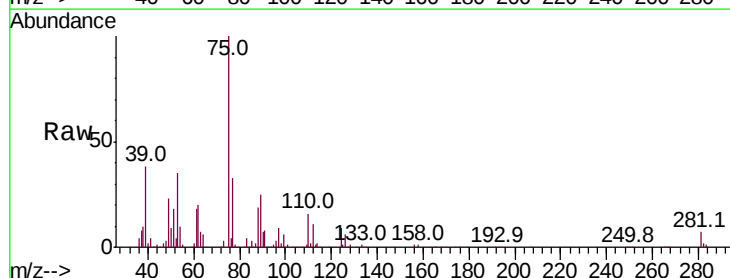
Acq: 31 Aug 2018 11:11

Tgt Ion: 75 Resp: 622420

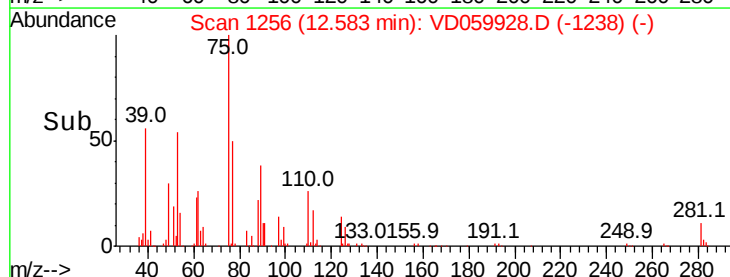
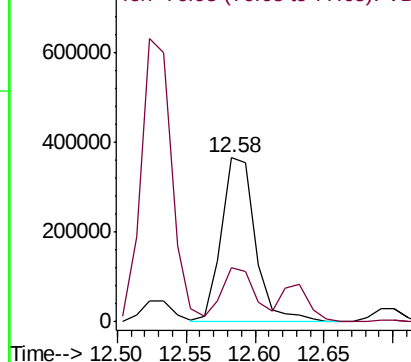
Ion Ratio Lower Upper

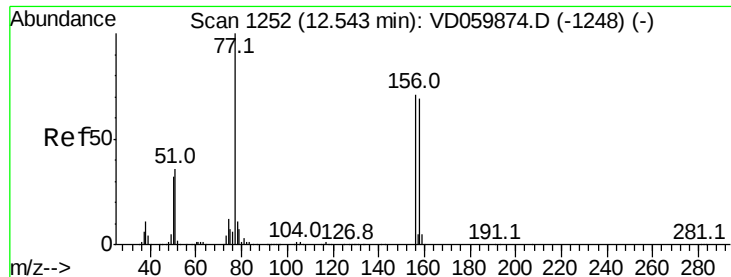
75 100

77 33.0 16.4 49.2



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





#77

Bromobenzene

Concen: 55.082 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

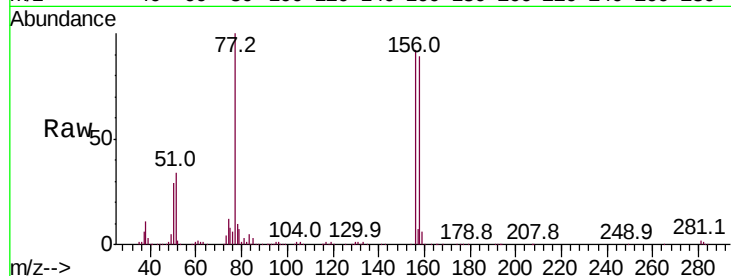
Tot Ion:156 Resp: 778845

Ion Ratio Lower Upper

156 100

77 108.6 70.2 210.4

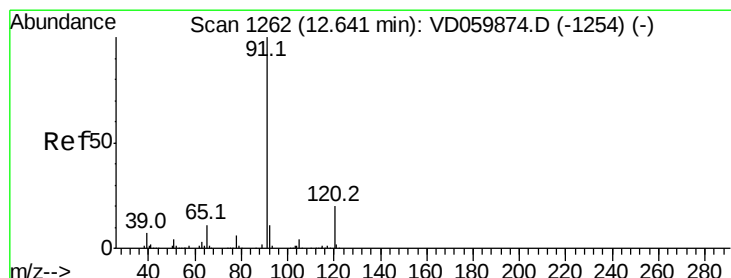
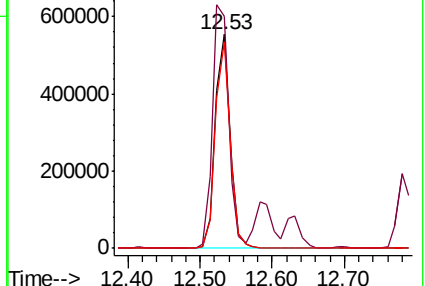
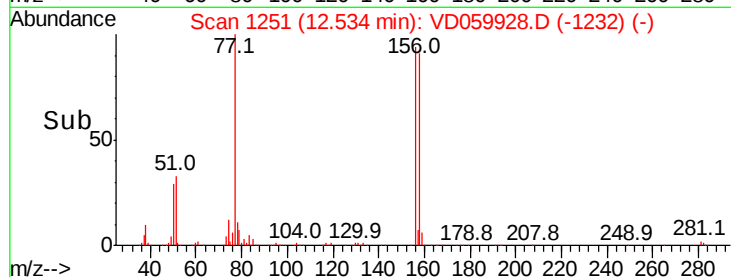
158 96.5 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.449 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059928.D

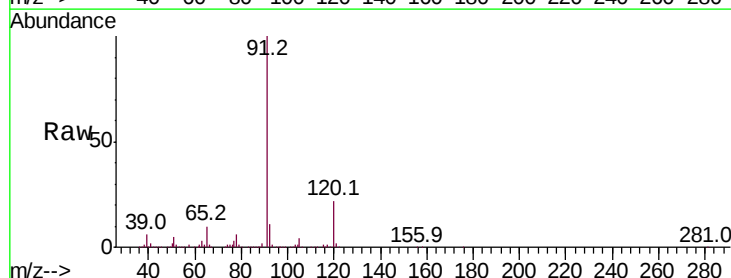
Acq: 31 Aug 2018 11:11

Tgt Ion: 91 Resp: 3451617

Ion Ratio Lower Upper

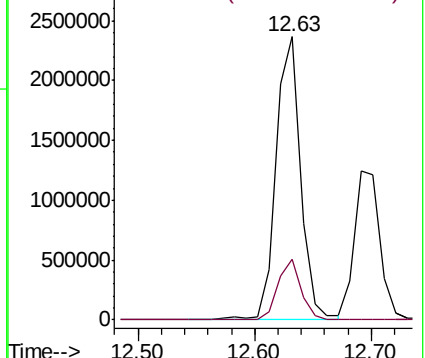
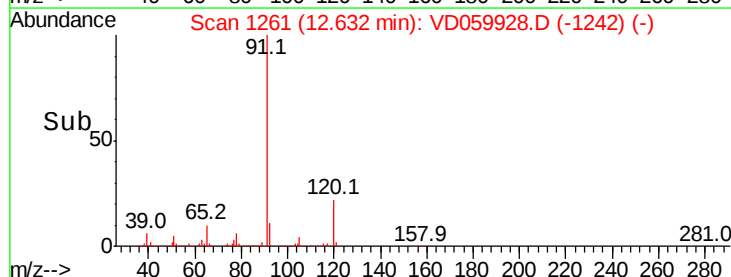
91 100

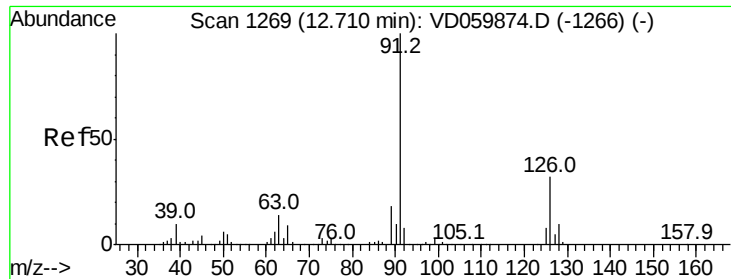
120 21.6 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

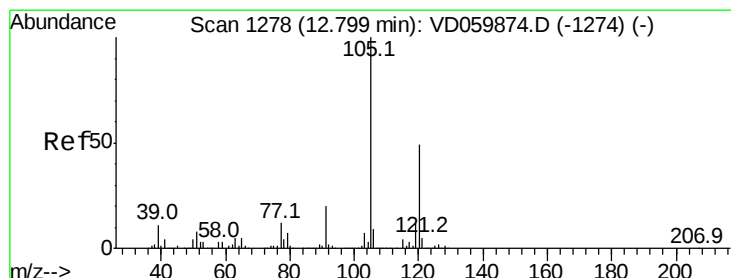
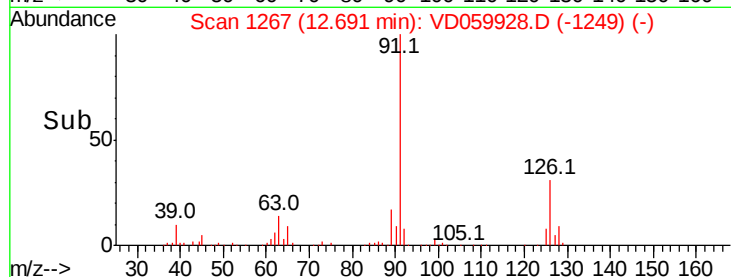
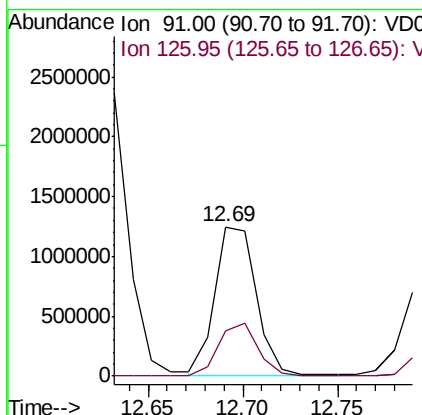
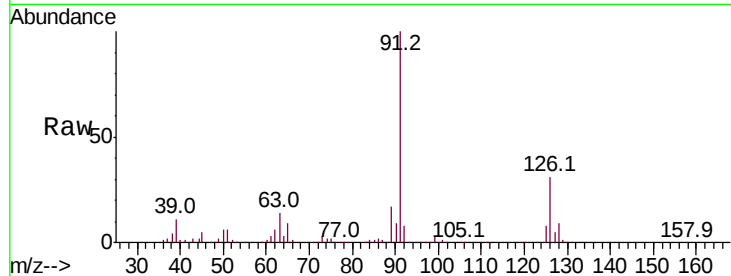




#79
 2-Chlorotoluene
 Concen: 51.714 ug/l
 RT: 12.69 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

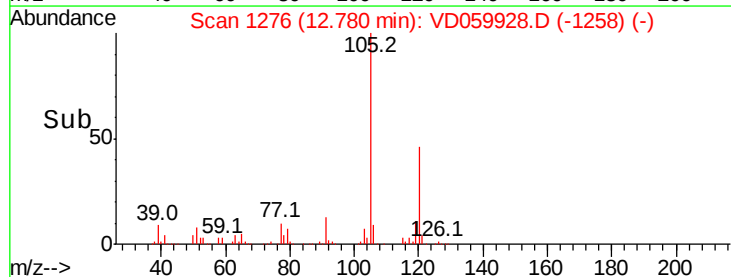
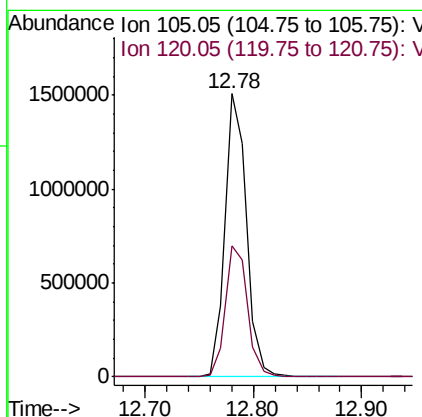
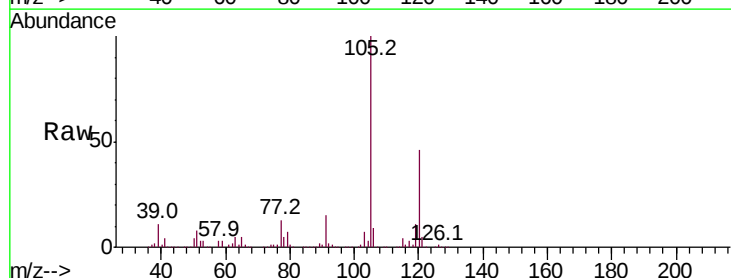
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

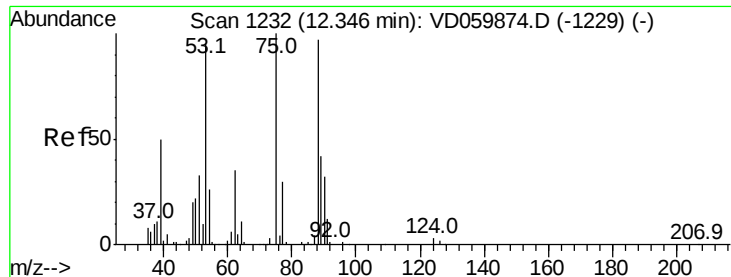
Tot Ion: 91 Resp: 1888640
 Ion Ratio Lower Upper
 91 100
 126 30.5 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 51.177 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion:105 Resp: 2075016
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.5 73.5

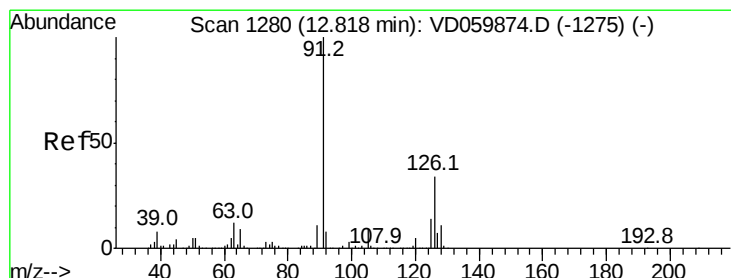
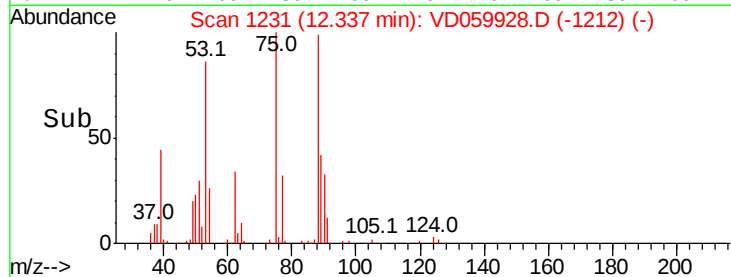
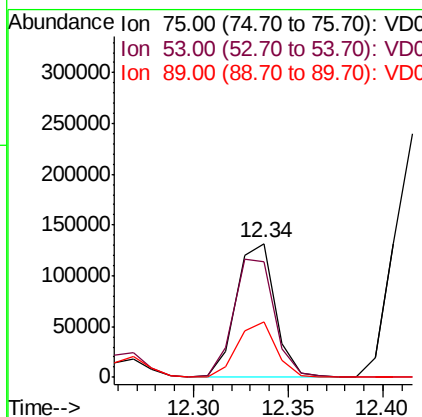
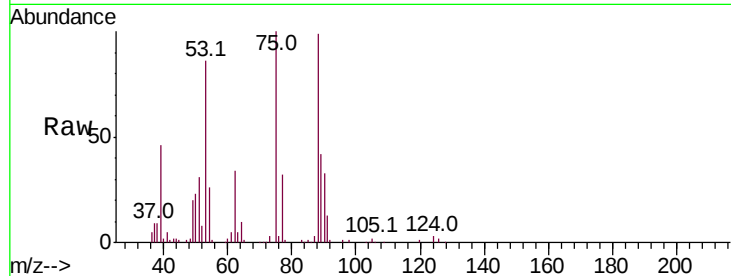




#81
trans-1,4-Dichloro-2-butene
Concen: 48.737 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

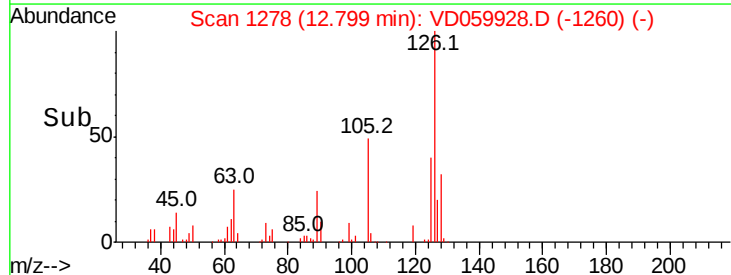
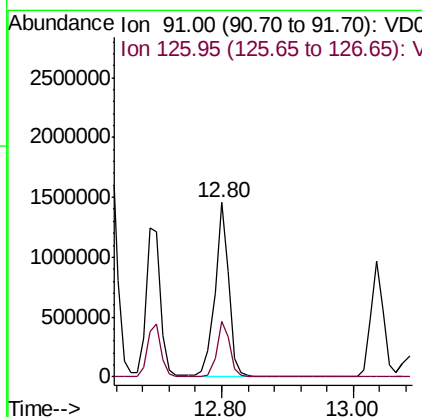
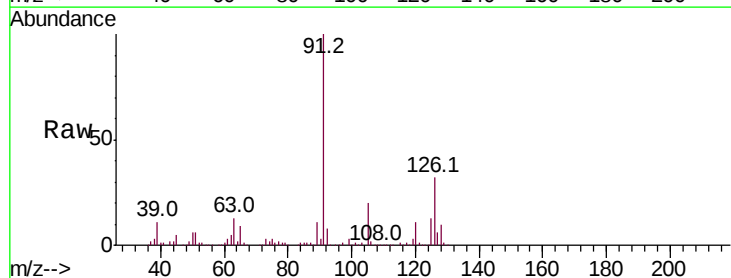
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

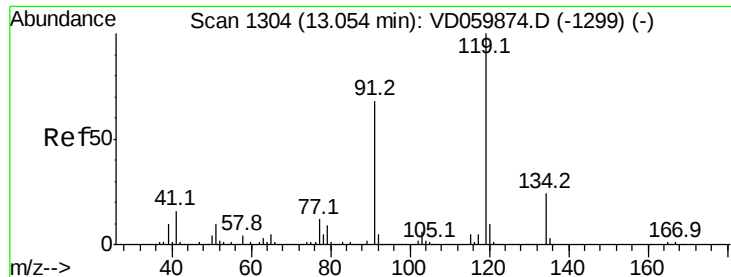
Tot Ion: 75 Resp: 188249
Ion Ratio Lower Upper
75 100
53 86.4 75.8 113.6
89 41.7 33.6 50.4



#82
4-Chlorotoluene
Concen: 50.040 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 91 Resp: 2084436
Ion Ratio Lower Upper
91 100
126 31.8 17.1 51.2

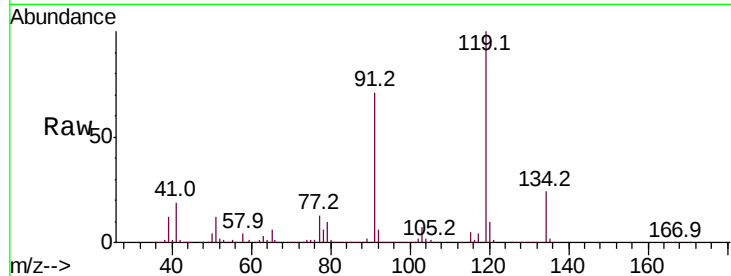




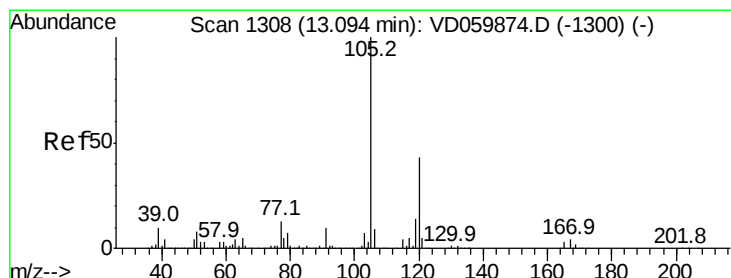
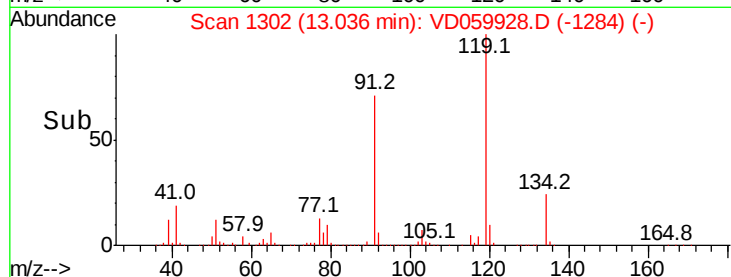
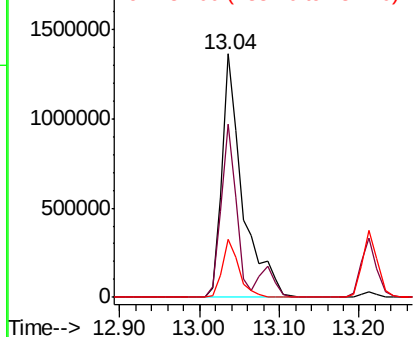
#83
tert-Butylbenzene
Concen: 54.034 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2495725
Ion Ratio Lower Upper
119 100
91 71.3 34.3 102.9
134 23.6 11.9 35.9

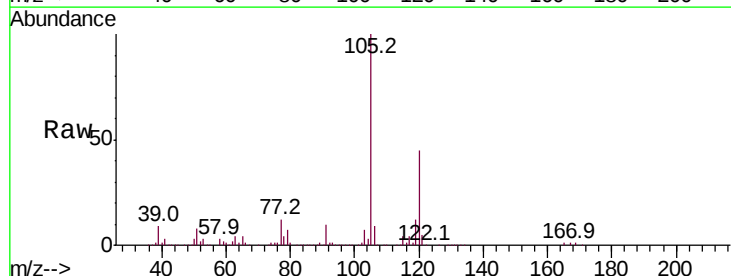


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

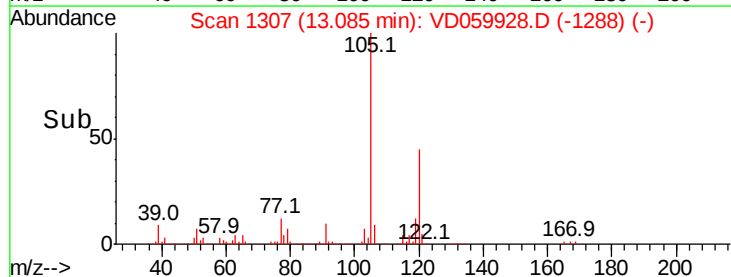
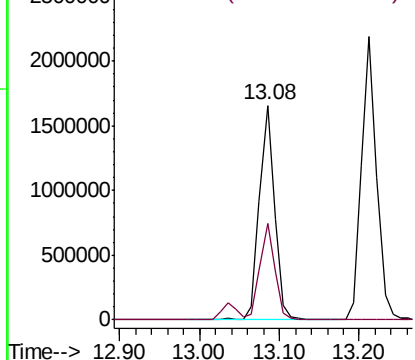


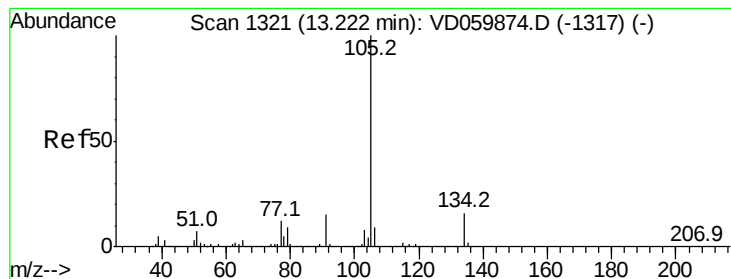
#84
1,2,4-Trimethylbenzene
Concen: 50.844 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:105 Resp: 2148721
Ion Ratio Lower Upper
105 100
120 44.9 21.8 65.3



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





#85

sec-Butylbenzene

Concen: 53.147 ug/l

RT: 13.21 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

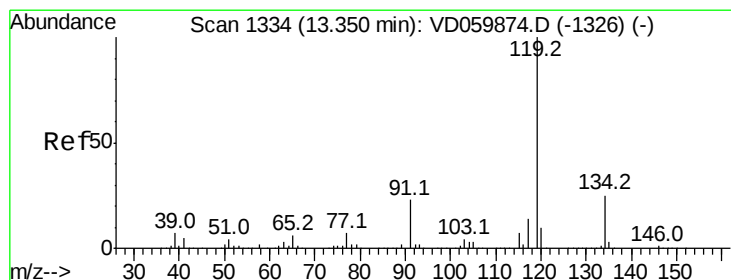
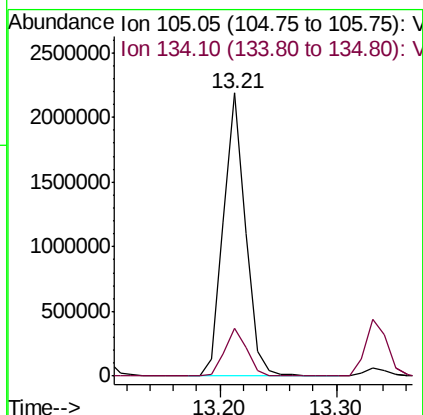
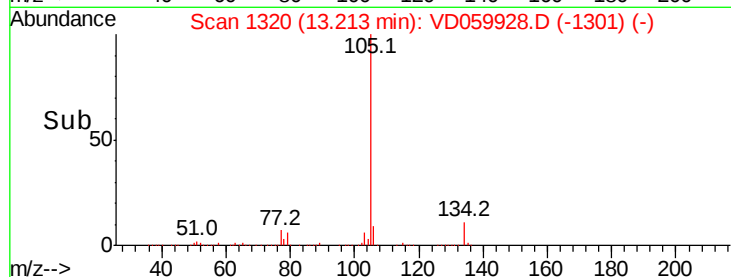
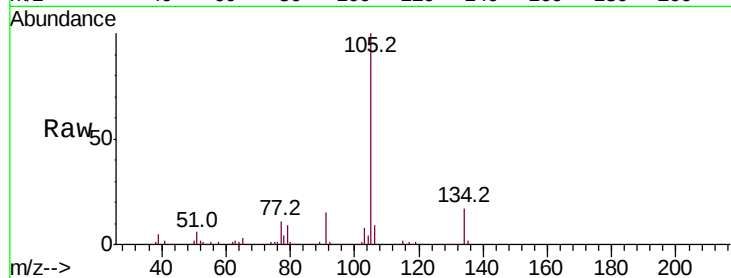
VSTDCCC050

Tot Ion:105 Resp: 2886787

Ion Ratio Lower Upper

105 100

134 17.1 8.2 24.4



#86

p-Isopropyltoluene

Concen: 53.474 ug/l

RT: 13.33 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

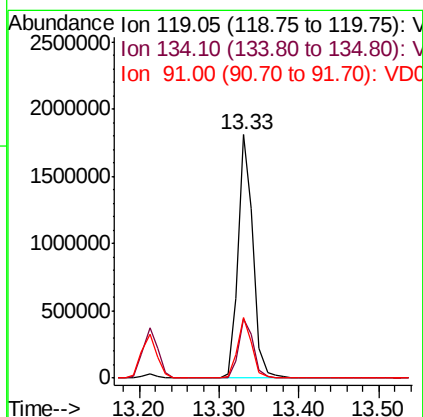
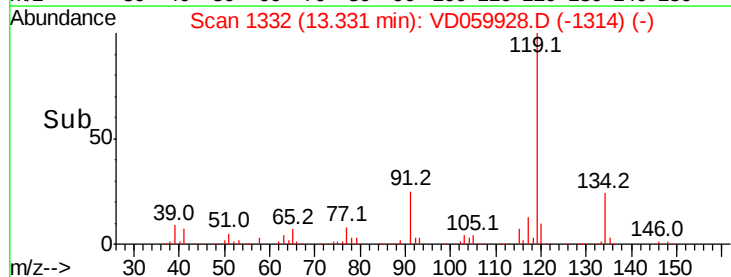
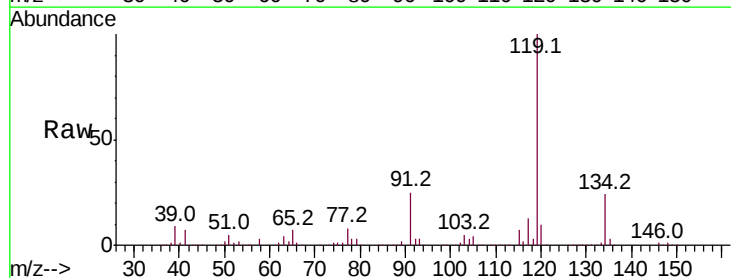
Tgt Ion:119 Resp: 2362202

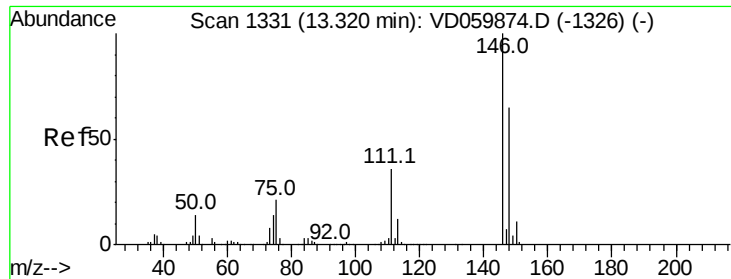
Ion Ratio Lower Upper

119 100

134 24.2 12.7 38.1

91 25.1 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 52.516 ug/l

RT: 13.30 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

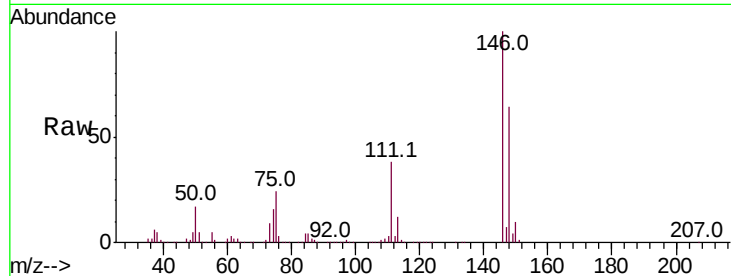
Tot Ion:146 Resp: 1325711

Ion Ratio Lower Upper

146 100

111 38.1 17.9 53.7

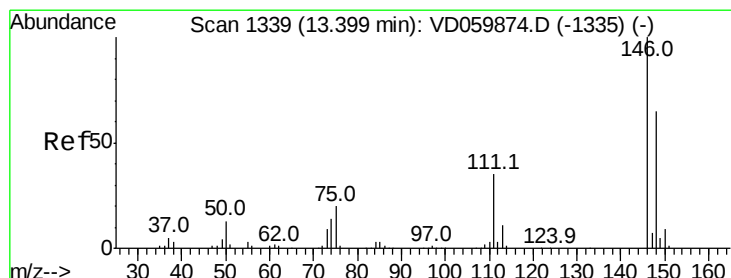
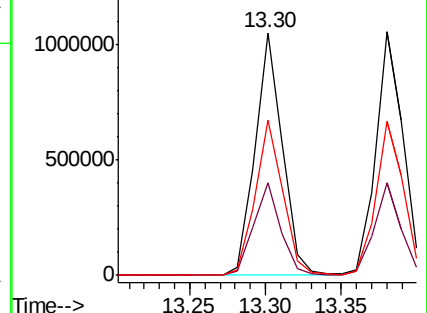
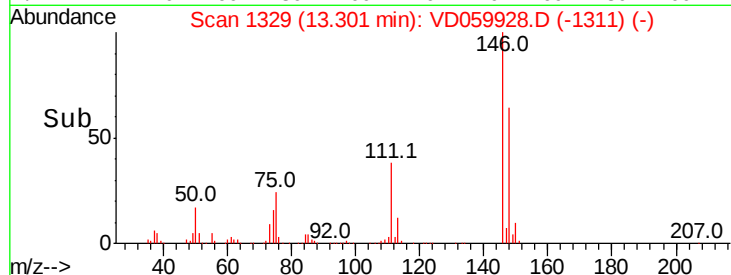
148 64.0 32.4 97.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.407 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

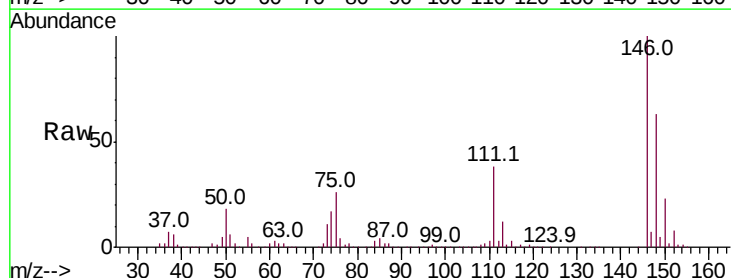
Tgt Ion:146 Resp: 1345109

Ion Ratio Lower Upper

146 100

111 37.8 17.5 52.6

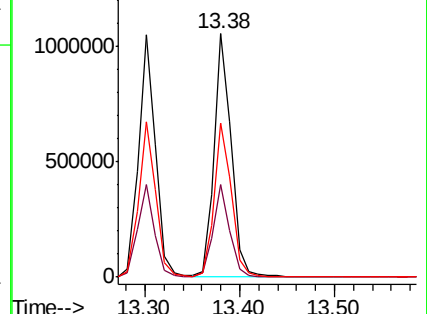
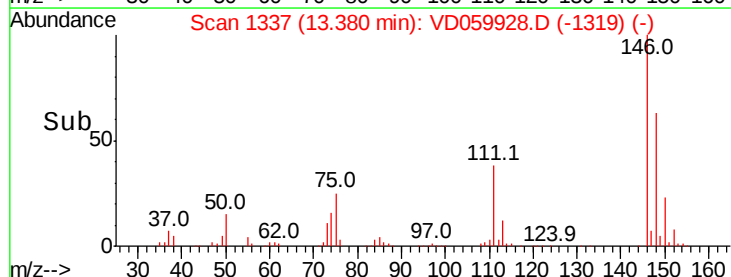
148 63.5 32.5 97.5

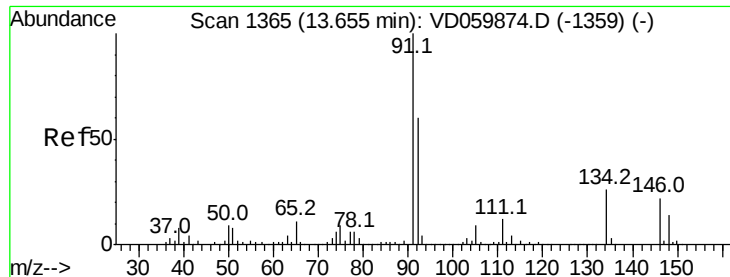


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

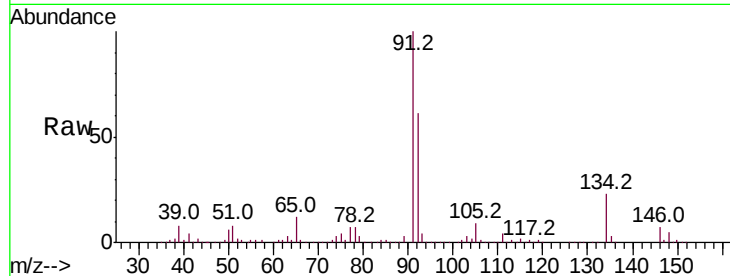




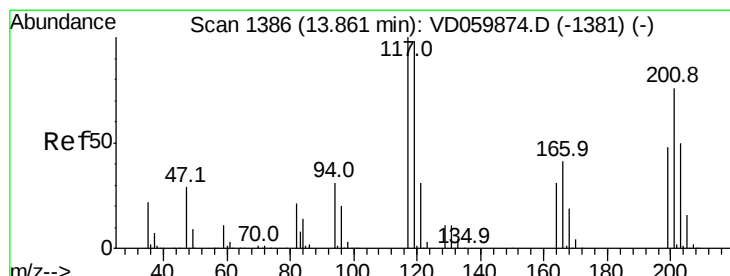
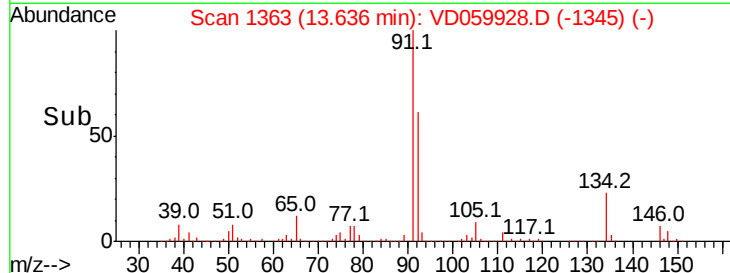
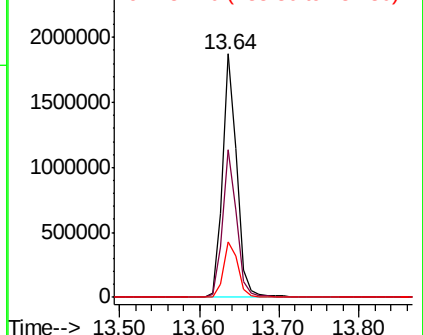
#89
n-Butylbenzene
Concen: 58.554 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2385140
Ion Ratio Lower Upper
91 100
92 60.7 30.0 90.1
134 22.7 12.8 38.4

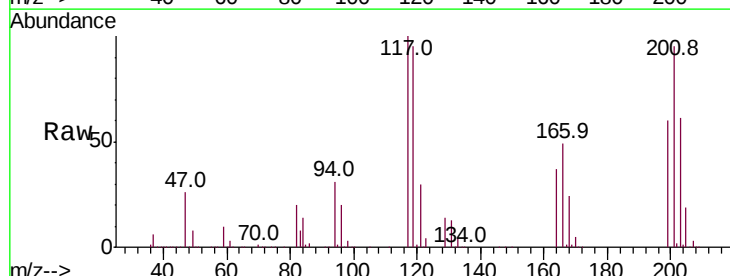


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

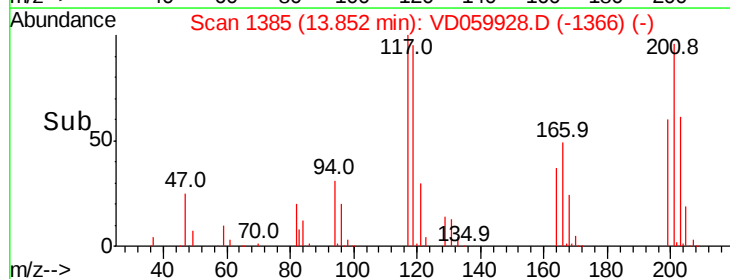
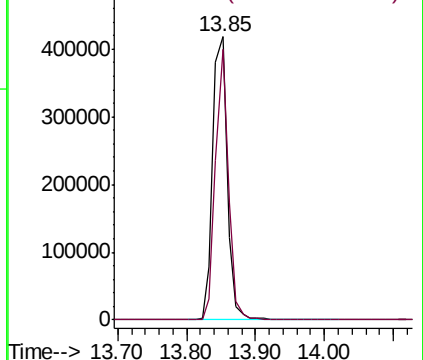


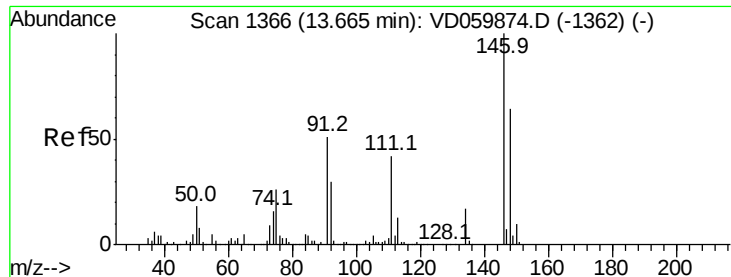
#90
Hexachloroethane
Concen: 51.991 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 117 Resp: 616679
Ion Ratio Lower Upper
117 100
201 95.4 38.1 114.5



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





#91

1,2-Dichlorobenzene

Concen: 53.271 ug/l

RT: 13.66 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

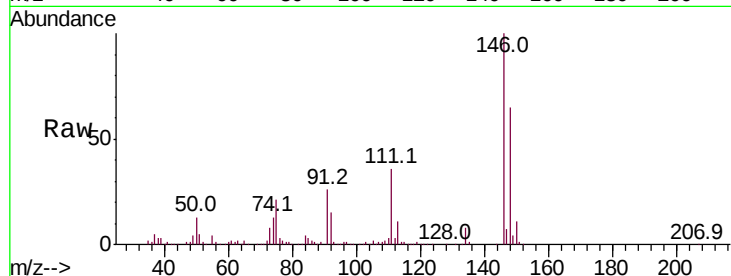
Tot Ion:146 Resp: 1143440

Ion Ratio Lower Upper

146 100

111 35.7 21.1 63.1

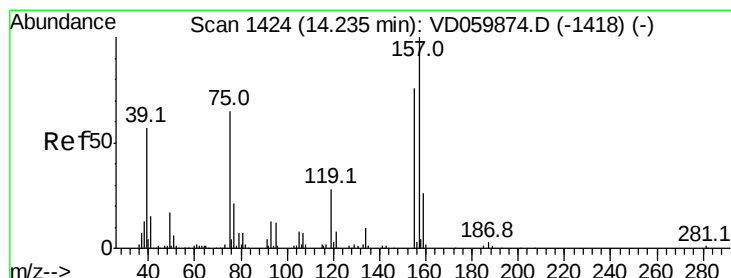
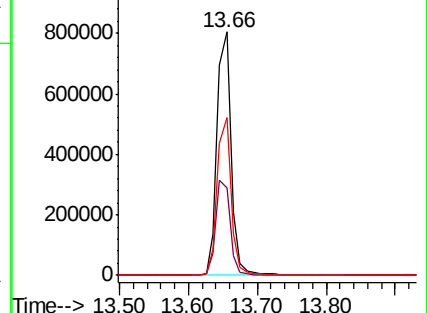
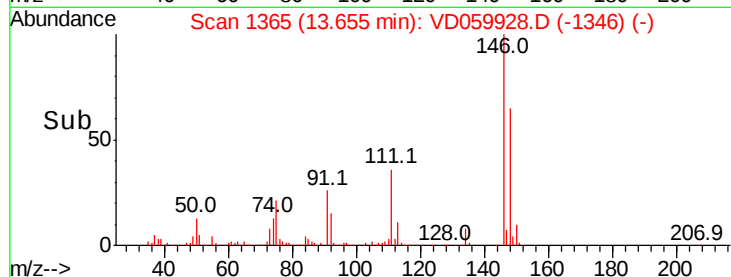
148 65.0 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.761 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

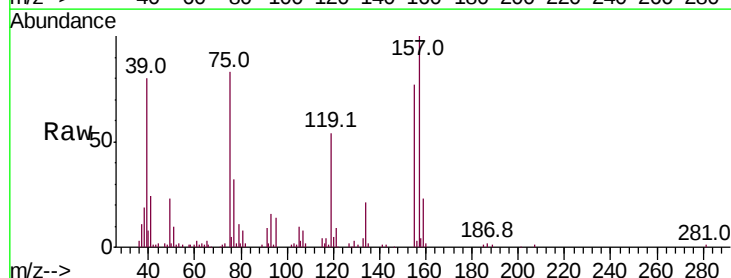
Tgt Ion: 75 Resp: 84810

Ion Ratio Lower Upper

75 100

155 93.4 58.2 174.6

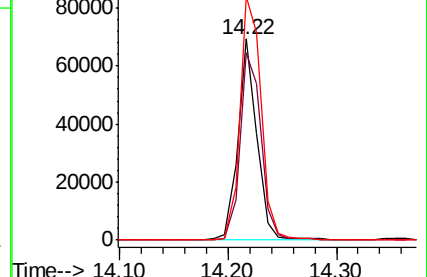
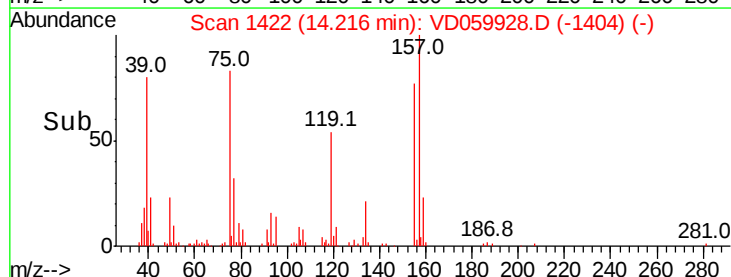
157 121.0 76.8 230.4

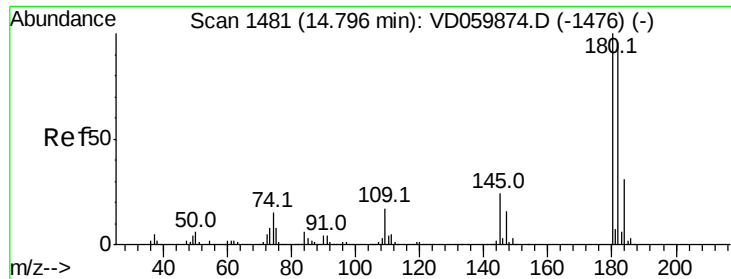


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

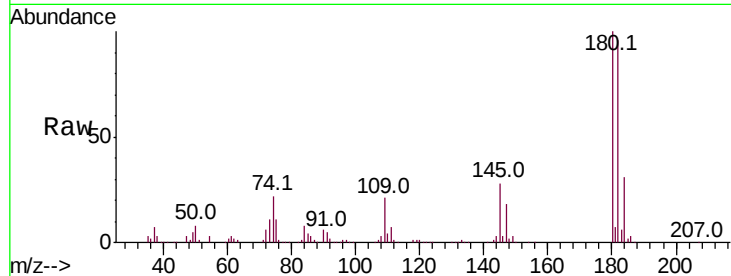




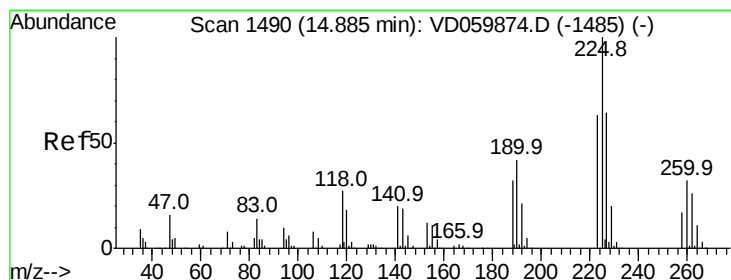
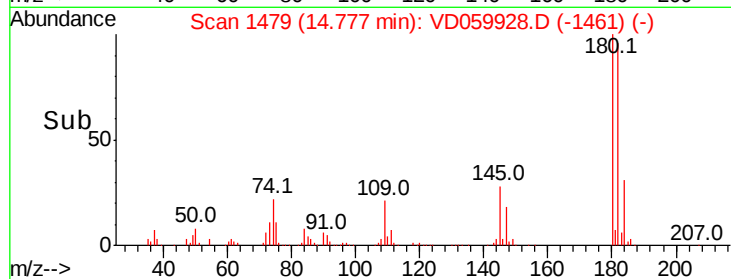
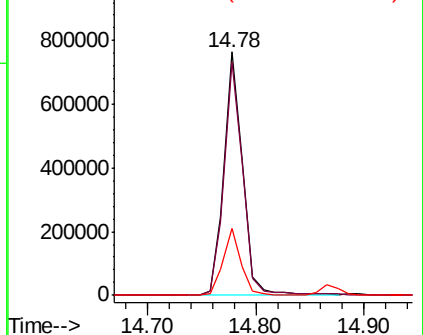
#93
 1,2,4-Trichlorobenzene
 Concen: 50.285 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 924144
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.7
 145 27.7 12.2 36.4

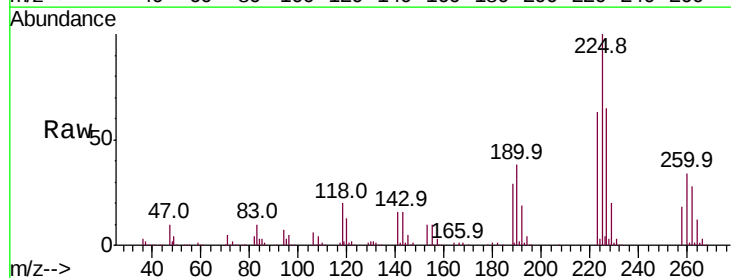


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

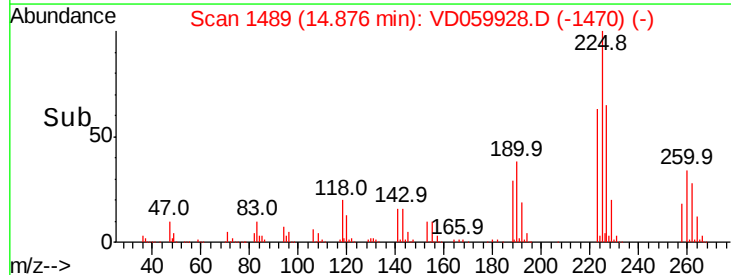
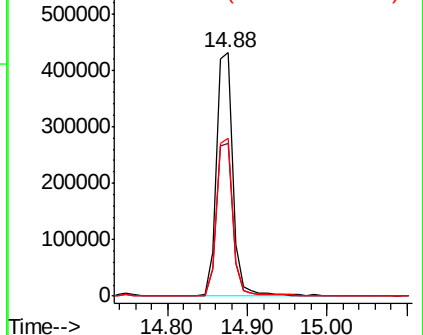


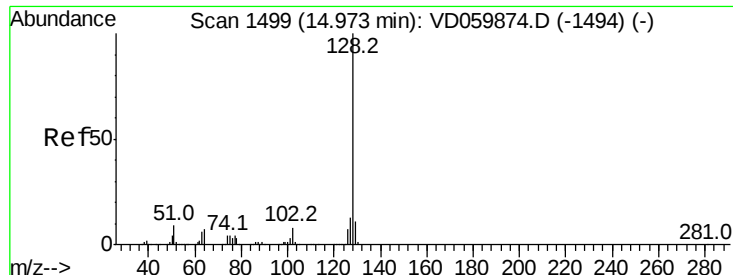
#94
 Hexachlorobutadiene
 Concen: 52.908 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion:225 Resp: 637395
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 94.8
 227 65.0 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

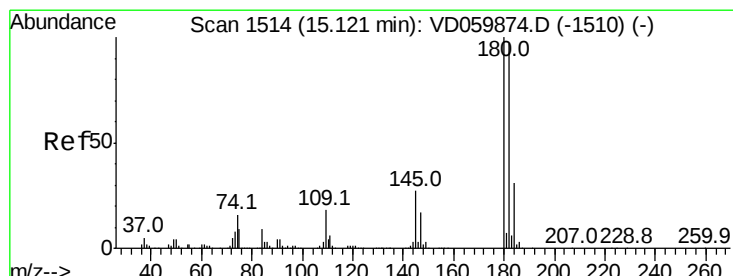
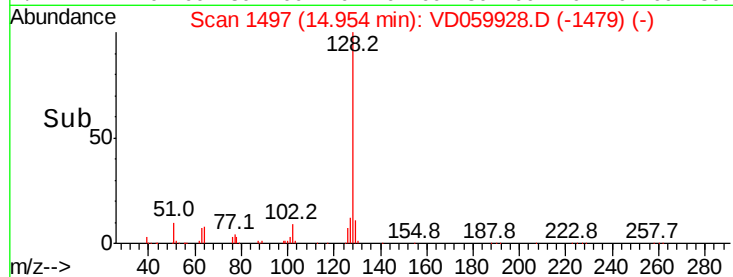
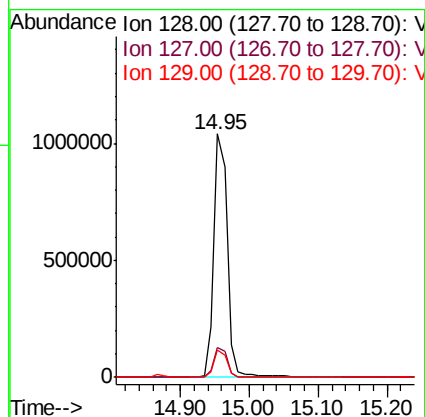
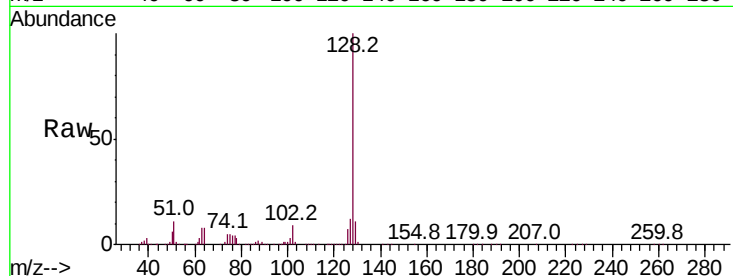




#95
Naphthalene
Concen: 50.627 ug/l
RT: 14.95 min Scan# 1497
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1421859
Ion Ratio Lower Upper
128 100
127 12.1 10.0 15.0
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.284 ug/l
RT: 15.10 min Scan# 1512
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:180 Resp: 790378
Ion Ratio Lower Upper
180 100
182 96.4 48.6 145.8
145 29.0 13.6 40.8

