

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058269.D
 Acq On : 22 Jun 2018 00:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 06:18:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	876453	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	1162159	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	924708	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	454116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	513439	58.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.00%	
35) Dibromofluoromethane	5.55	113	517402	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	8.71	98	1159706	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.94	95	495001	52.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	435625	53.45	ug/l	98
3) Chloromethane	1.48	50	190825	49.88	ug/l	100
4) Vinyl Chloride	1.55	62	204723	44.59	ug/l	100
5) Bromomethane	1.80	94	85896	57.19	ug/l	96
6) Chloroethane	1.89	64	99953	61.35	ug/l	100
7) Trichlorofluoromethane	2.08	101	341755	54.29	ug/l	95
8) Diethyl Ether	2.35	74	62957	47.28	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	199635	49.88	ug/l	95
10) Methyl Iodide	2.69	142	249256	54.75	ug/l	99
11) Tert butyl alcohol	3.28	59	66432	227.52	ug/l #	92
12) 1,1-Dichloroethene	2.55	96	145438	48.30	ug/l	97
13) Acrolein	2.47	56	21348	128.08	ug/l	89
14) Allyl chloride	2.92	41	339059	48.38	ug/l	98
15) Acrylonitrile	3.36	53	174970	226.00	ug/l	95
16) Acetone	2.62	43	267794	221.19	ug/l	96
17) Carbon Disulfide	2.75	76	456499	44.56	ug/l	99
18) Methyl Acetate	2.94	43	122014	47.26	ug/l	97
19) Methyl tert-butyl Ether	3.42	73	596310	74.66	ug/l	97
20) Methylene Chloride	3.07	84	159947	50.67	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	189077	57.46	ug/l	84
22) Diisopropyl ether	4.07	45	1338707	48.10	ug/l	91
23) Vinyl Acetate	4.02	43	3688024	247.17	ug/l	99
24) 1,1-Dichloroethane	3.97	63	782098	52.15	ug/l	98
25) 2-Butanone	4.85	43	646440	244.98	ug/l	100
26) 2,2-Dichloropropane	4.80	77	601935	47.94	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	434841	52.88	ug/l	95
28) Bromochloromethane	5.16	49	344312	51.22	ug/l #	94
29) Tetrahydrofuran	5.19	42	339682	241.85	ug/l	96
30) Chloroform	5.33	83	843906	53.31	ug/l	95
31) Cyclohexane	5.60	56	562408	51.85	ug/l	93
32) 1,1,1-Trichloroethane	5.52	97	693728	53.04	ug/l	99
36) 1,1-Dichloropropene	5.75	75	567275	49.34	ug/l	97
37) Ethyl Acetate	4.93	43	313521	47.86	ug/l	98
38) Carbon Tetrachloride	5.73	117	588120	51.48	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	556148	49.66	ug/l	98
40) Benzene	6.02	78	1326818	48.45	ug/l	99
41) Methacrylonitrile	5.14	41	172946	54.68	ug/l	96
42) 1,2-Dichloroethane	6.14	62	566701	51.32	ug/l	100
43) Isopropyl Acetate	7.63	43	433000	49.58	ug/l #	95
44) Trichloroethene	6.99	130	405985	49.37	ug/l	97
45) 1,2-Dichloropropane	7.35	63	375983	50.98	ug/l	97
46) Dibromomethane	7.47	93	262617	52.16	ug/l	90
47) Bromodichloromethane	7.75	83	608653	53.01	ug/l	98
48) Methyl methacrylate	7.51	41	262693	49.49	ug/l	99
49) 1,4-Dioxane	7.49	88	52116	1087.75	ug/l	93
51) 4-Methyl-2-Pentanone	8.60	43	1374952	241.37	ug/l	98
52) Toluene	8.81	92	702154	45.03	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	496716	49.76	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	576064	49.22	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	265818	48.18	ug/l	99
56) Ethyl methacrylate	9.32	69	340651	51.63	ug/l	98
57) 1,3-Dichloropropane	9.67	76	472691	50.86	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.20	63	803775	246.07	ug/l	94
59) 2-Hexanone	9.79	43	1011129	245.65	ug/l	95
60) Dibromochloromethane	9.96	129	401905	53.68	ug/l	93
61) 1,2-Dibromoethane	10.10	107	315530	52.25	ug/l	97
64) Tetrachloroethene	9.52	164	414663	53.29	ug/l	92
65) Chlorobenzene	10.73	112	869265	50.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	335252	50.22	ug/l	96
67) Ethyl Benzene	10.87	91	1474281	48.28	ug/l	100
68) m/p-Xylenes	11.01	106	967298	94.99	ug/l	99
69) o-Xylene	11.41	106	473284	48.66	ug/l	97
70) Styrene	11.44	104	814323	49.06	ug/l	98
71) Bromoform	11.60	173	289864	54.44	ug/l	98
73) Isopropylbenzene	11.78	105	1394867	51.35	ug/l	99
74) N-amyl acetate	11.65	43	533185	50.77	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	345195	54.61	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	347198	52.37	ug/l	96
77) Bromobenzene	12.05	156	433533	53.30	ug/l	98
78) n-propylbenzene	12.16	91	1822765	51.96	ug/l	98
79) 2-Chlorotoluene	12.21	91	1047095	52.16	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1073341	50.66	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	78985	48.84	ug/l	89
82) 4-Chlorotoluene	12.33	91	1129367	58.68	ug/l	98
83) tert-Butylbenzene	12.58	119	1237076	50.79	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	1167004	50.67	ug/l	100
85) sec-Butylbenzene	12.76	105	1481626	51.89	ug/l	99
86) p-Isopropyltoluene	12.88	119	1201557	51.93	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	703588	49.77	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	681332	49.35	ug/l	97
89) n-Butylbenzene	13.20	91	1271660	52.30	ug/l	98
90) Hexachloroethane	13.41	117	318656	53.06	ug/l	97
91) 1,2-Dichlorobenzene	13.20	146	612154	50.88	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	56285	55.95	ug/l	95

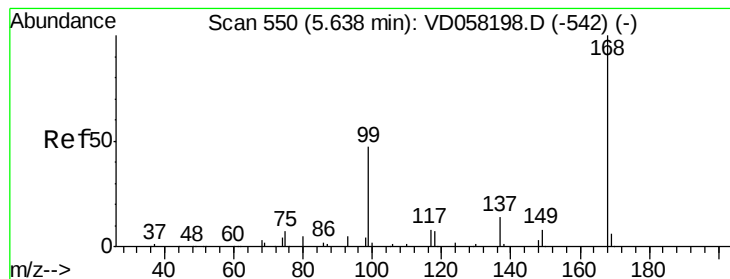
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	551184	47.90	ug/l	98
94) Hexachlorobutadiene	14.44	225	463698	51.52	ug/l	98
95) Naphthalene	14.52	128	778178	51.34	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	524420	52.06	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

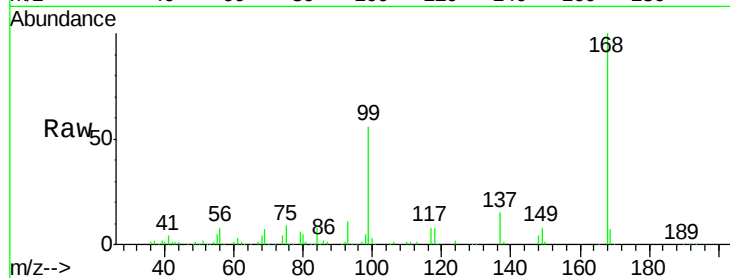
VSTDCCC050

Tot Ion:168 Resp: 876453

Ion Ratio Lower Upper

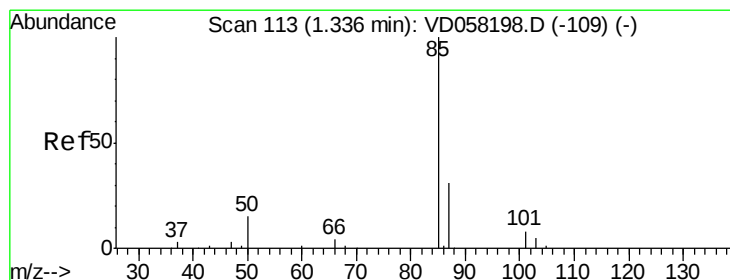
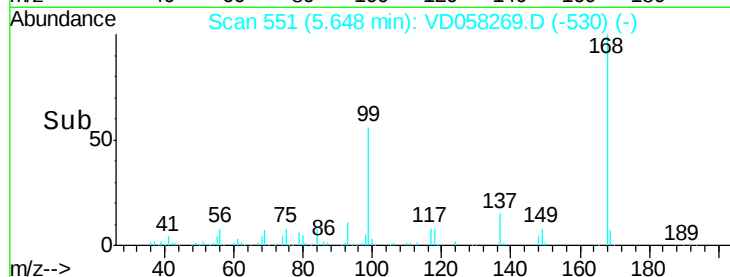
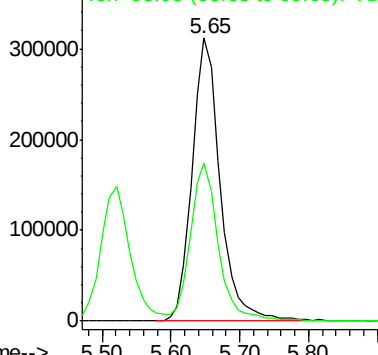
168 100

99 56.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.45 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058269.D

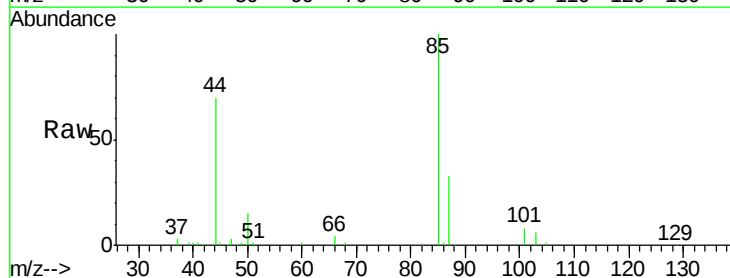
Acq: 22 Jun 2018 00:34

Tgt Ion: 85 Resp: 435625

Ion Ratio Lower Upper

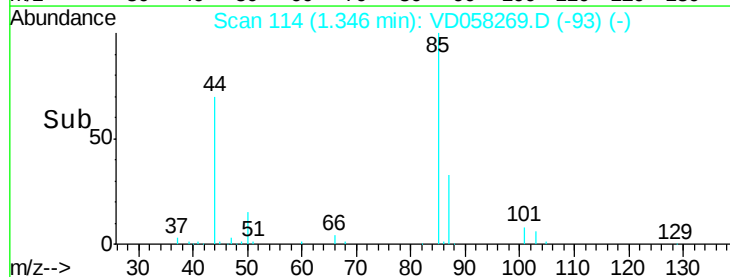
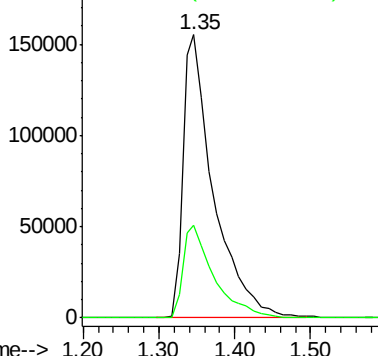
85 100

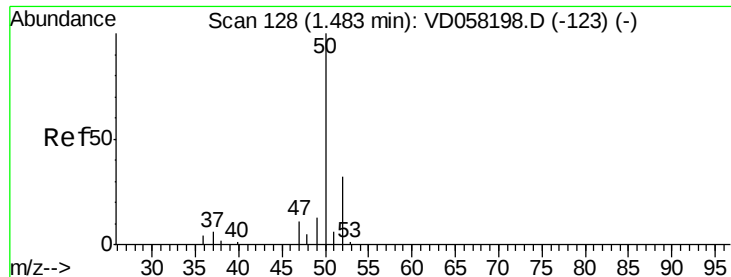
87 32.6 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.88 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

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ClientSampleId :

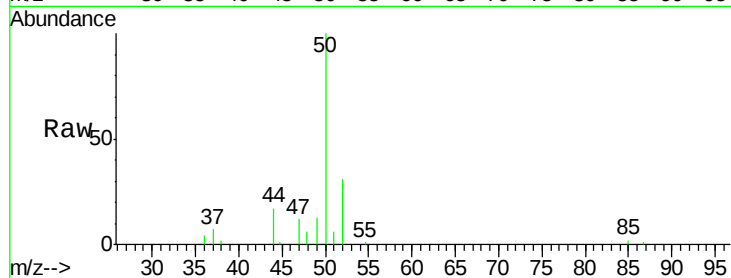
VSTDCCC050

Tot Ion: 50 Resp: 190825

Ion Ratio Lower Upper

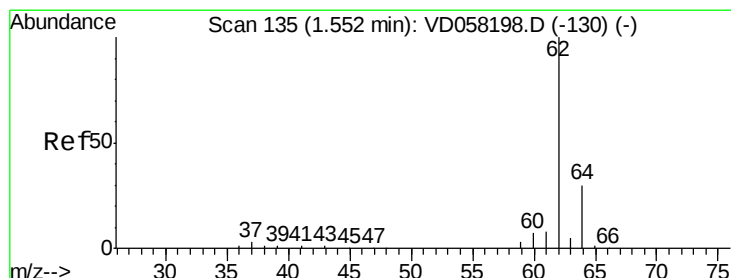
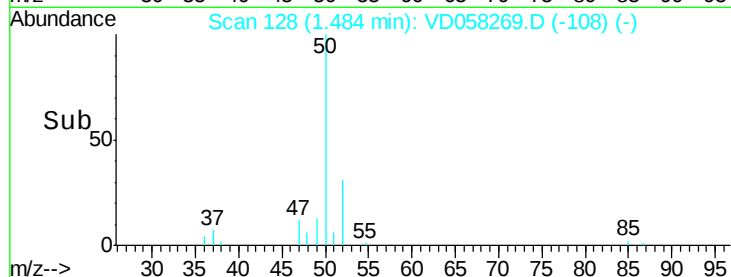
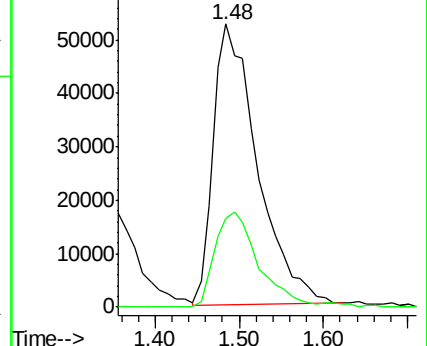
50 100

52 31.2 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.59 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058269.D

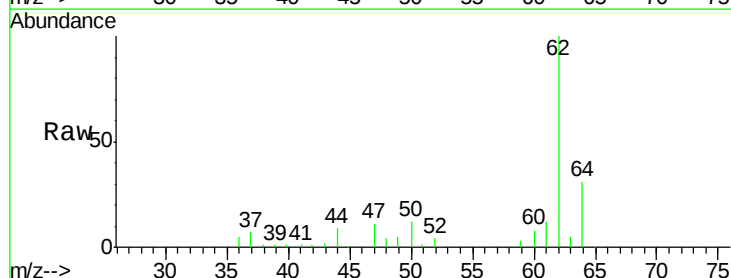
Acq: 22 Jun 2018 00:34

Tgt Ion: 62 Resp: 204723

Ion Ratio Lower Upper

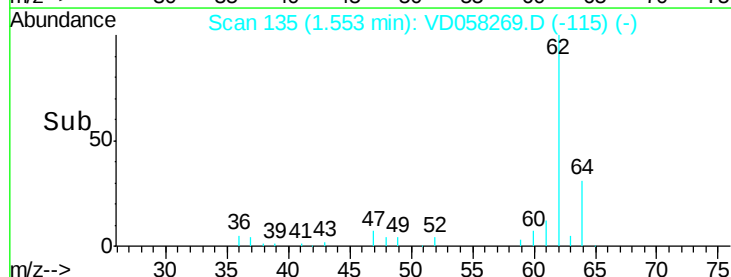
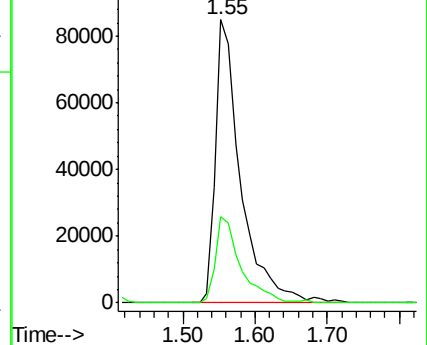
62 100

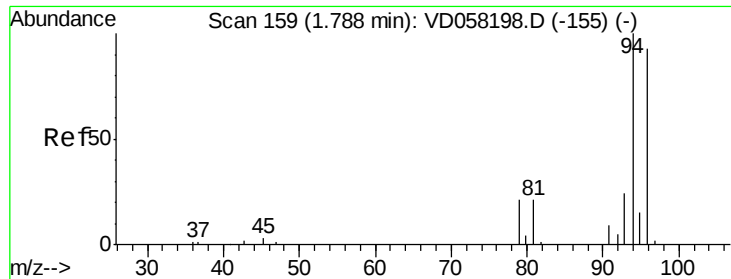
64 30.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

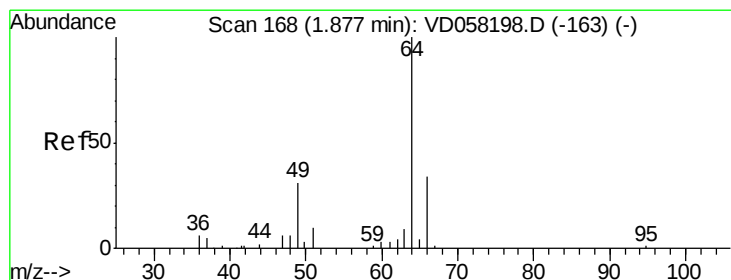
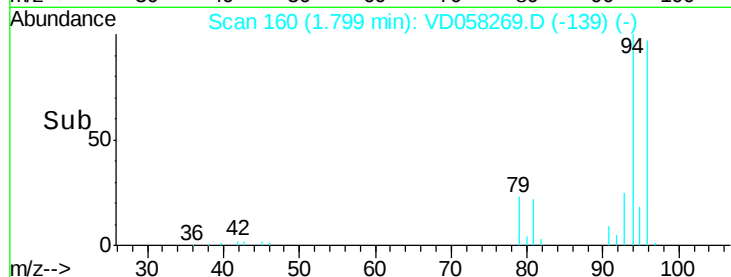
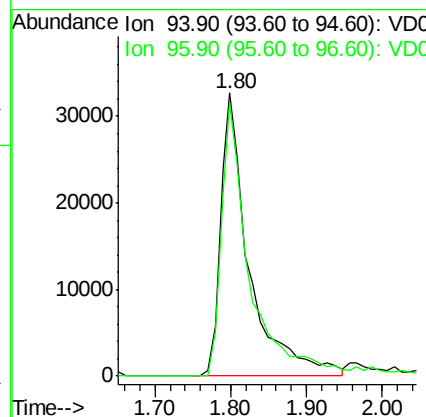
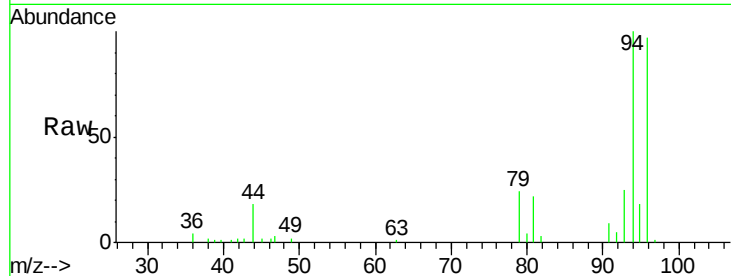




#5
Bromomethane
Concen: 57.19 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

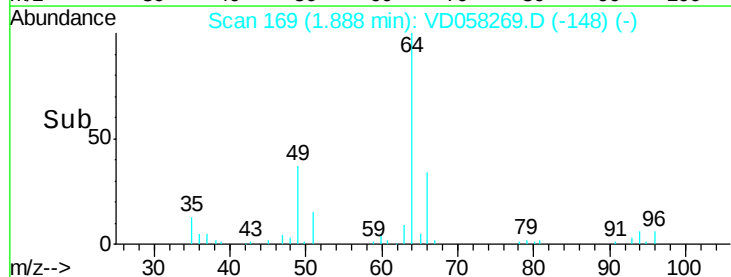
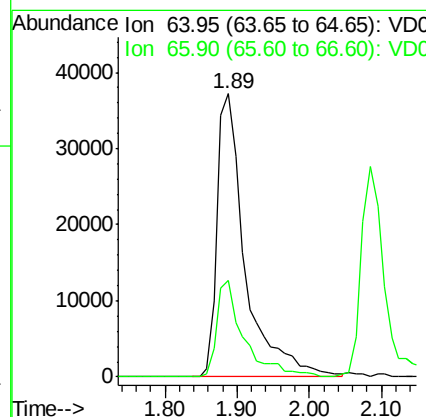
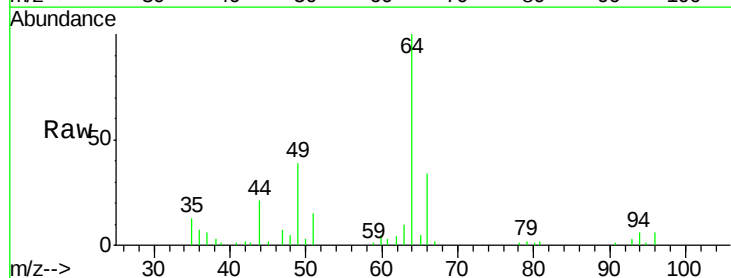
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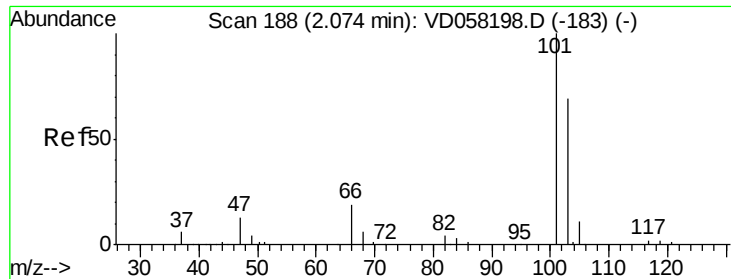
Tot Ion: 94 Resp: 85896
Ion Ratio Lower Upper
94 100
96 96.6 74.2 111.2



#6
Chloroethane
Concen: 61.35 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion: 64 Resp: 99953
Ion Ratio Lower Upper
64 100
66 34.3 27.3 40.9



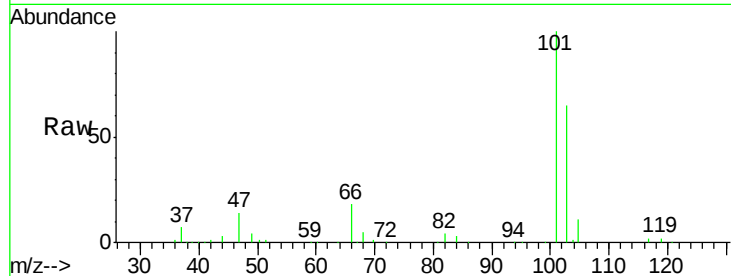


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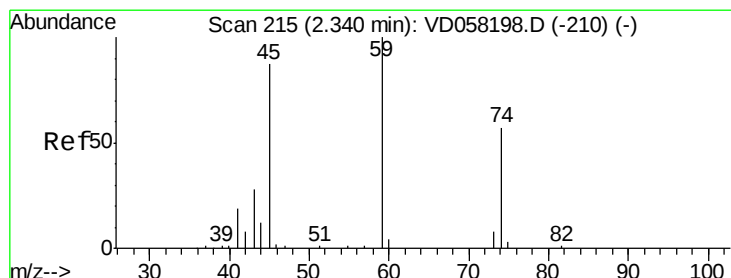
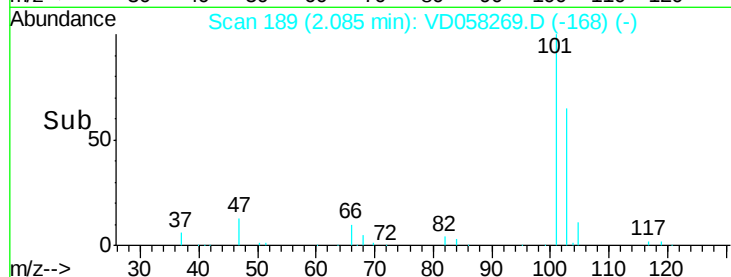
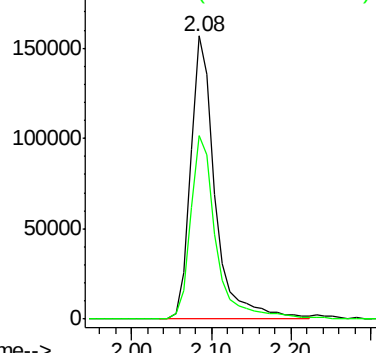
Trichlorofluoromethane
 Concen: 54.29 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 341755
 Ion Ratio Lower Upper
 101 100
 103 64.9 55.1 82.7



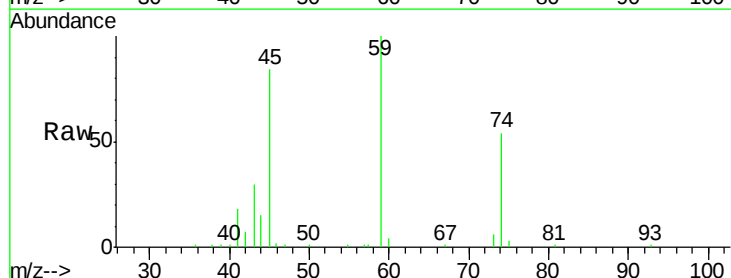
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



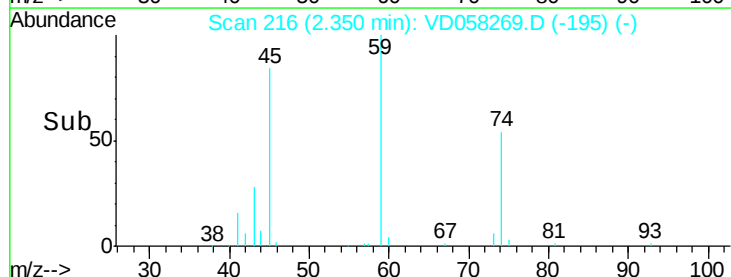
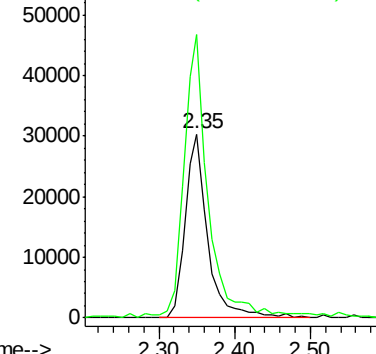
#8

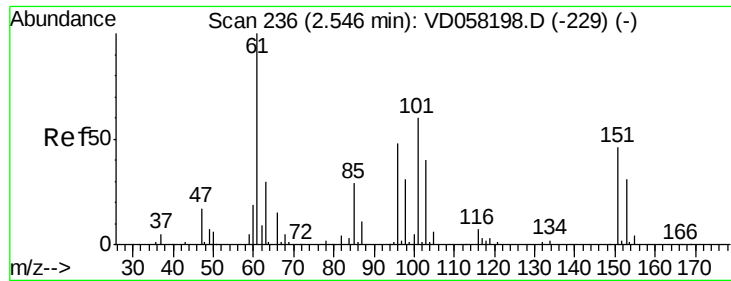
Diethyl Ether
 Concen: 47.28 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Tgt Ion: 74 Resp: 62957
 Ion Ratio Lower Upper
 74 100
 45 154.2 77.5 232.6



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

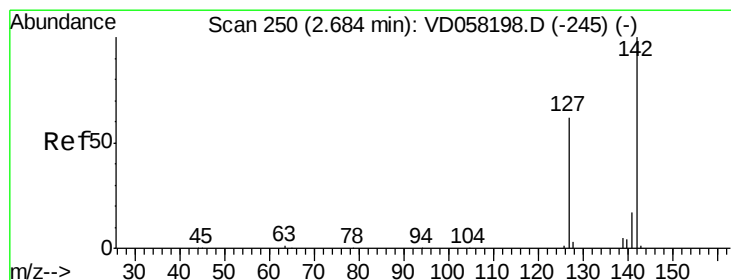
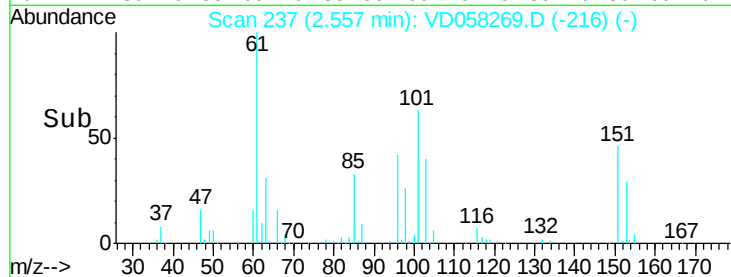
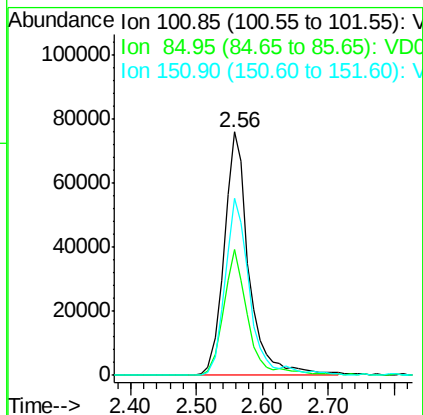
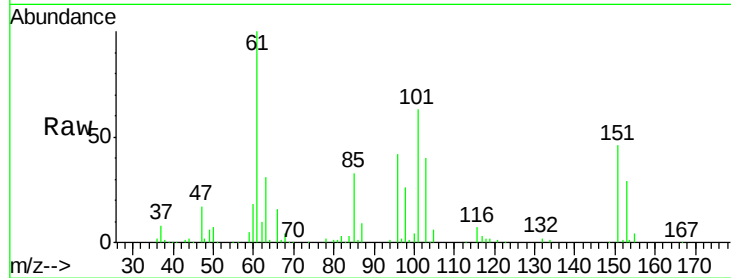




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.88 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.01 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

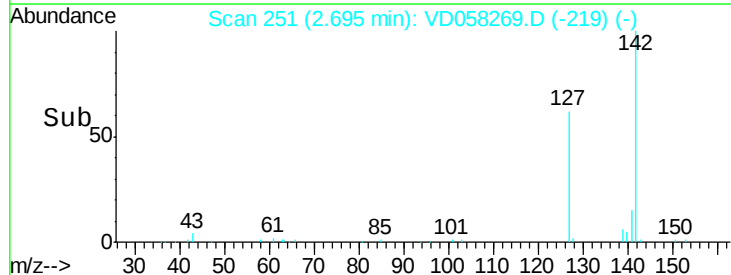
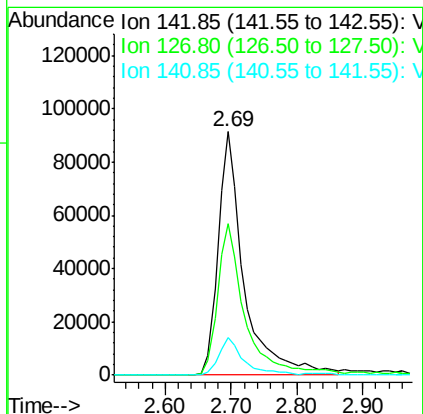
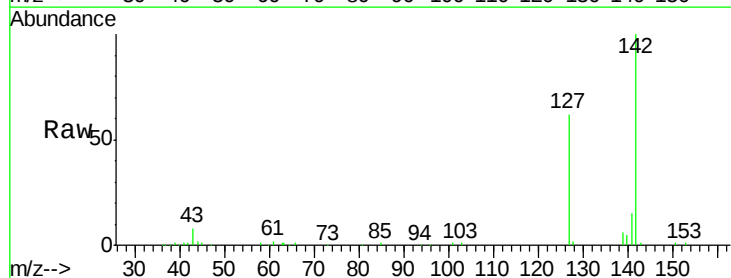
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

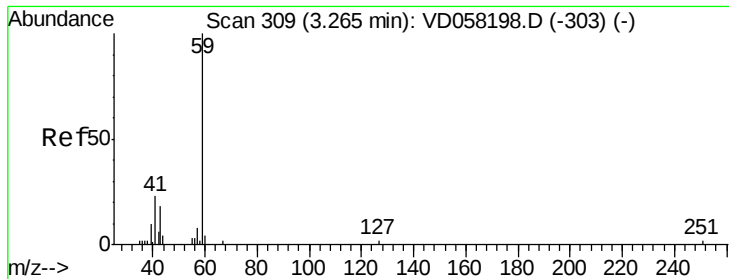
Tot Ion:101 Resp: 199635
 Ion Ratio Lower Upper
 101 100
 85 51.8 39.0 58.4
 151 73.0 61.8 92.8



#10
 Methyl Iodide
 Concen: 54.75 ug/l
 RT: 2.69 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Tgt Ion:142 Resp: 249256
 Ion Ratio Lower Upper
 142 100
 127 62.3 49.4 74.0
 141 15.3 13.5 20.3

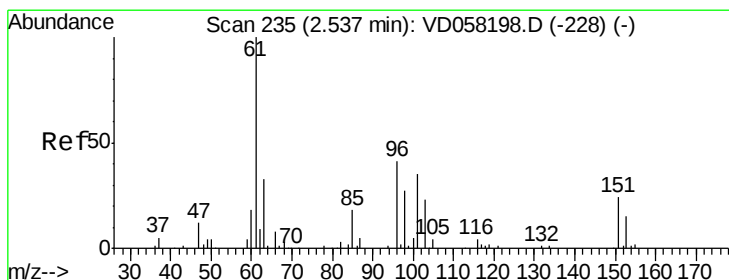
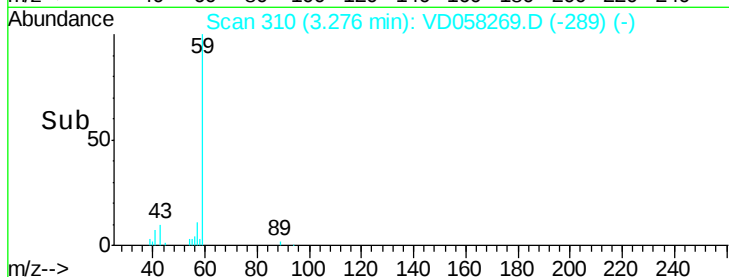
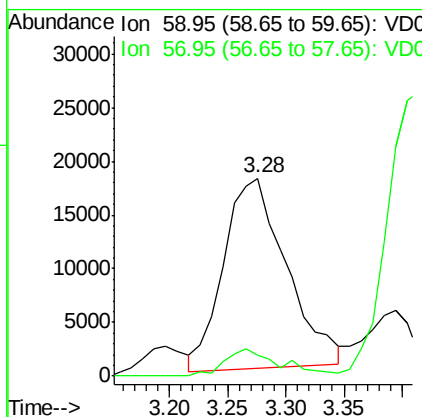
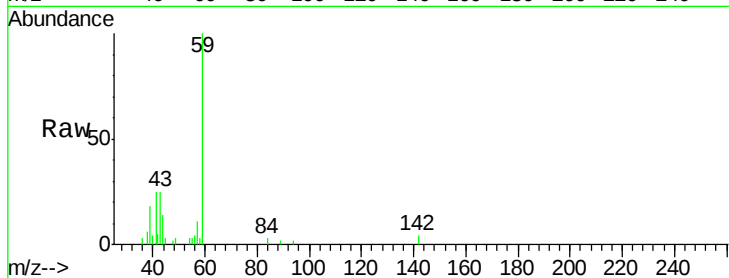




#11
Tert butyl alcohol
Concen: 227.52 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

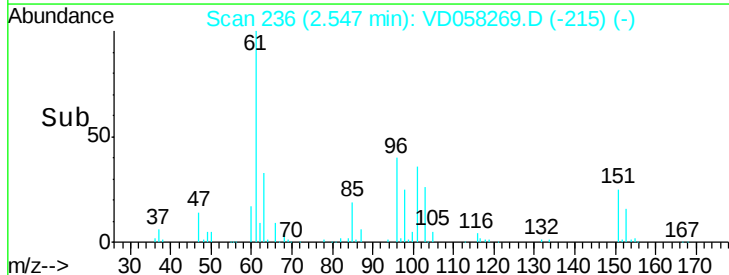
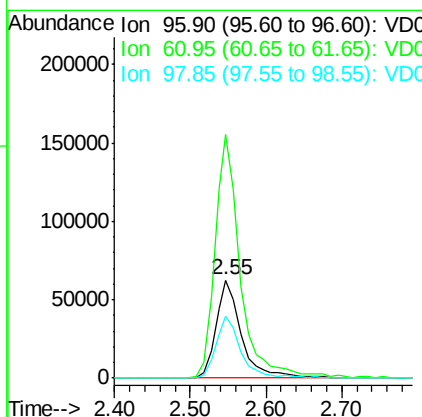
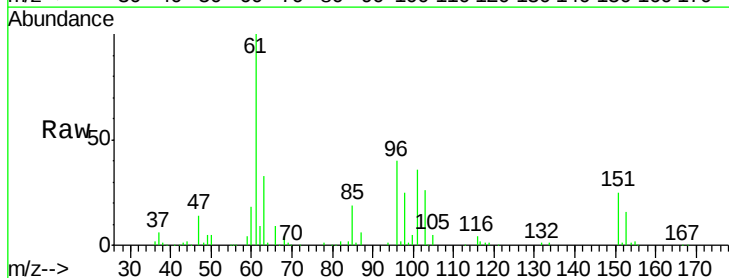
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

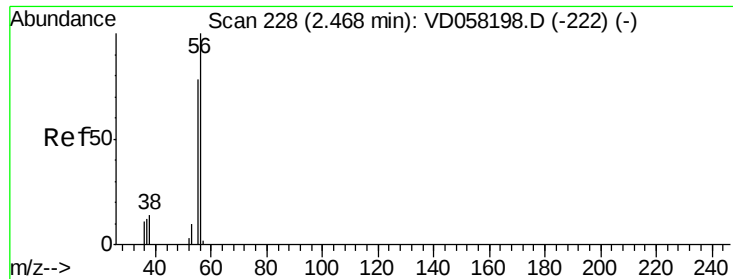
Tot Ion: 59 Resp: 66432
Ion Ratio Lower Upper
59 100
57 10.6 6.2 9.4#



#12
1,1-Dichloroethene
Concen: 48.30 ug/l
RT: 2.55 min Scan# 236
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion: 96 Resp: 145438
Ion Ratio Lower Upper
96 100
61 247.9 193.9 290.9
98 62.7 51.7 77.5





#13

Acrolein

Concen: 128.08 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

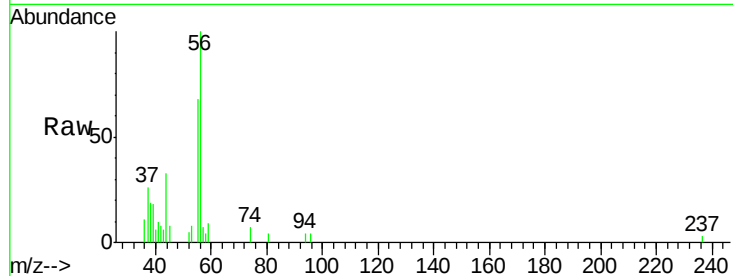
VSTDCCC050

Tot Ion: 56 Resp: 21348

Ion Ratio Lower Upper

56 100

55 68.0 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

10000

8000

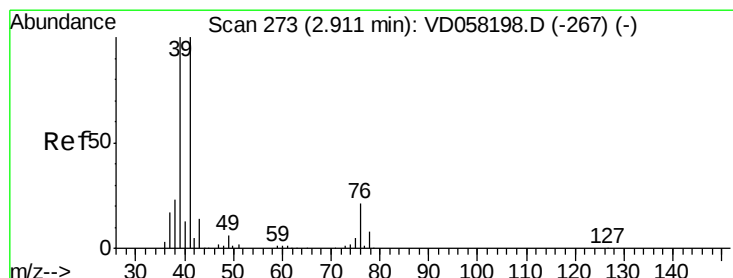
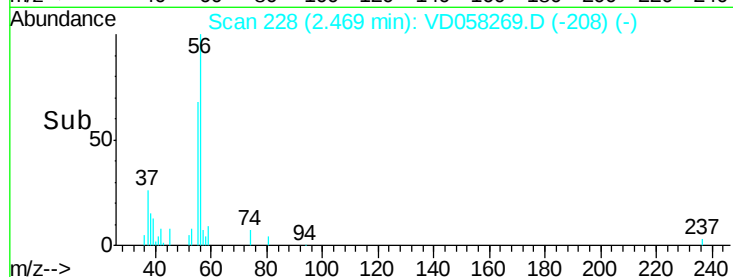
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 48.38 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

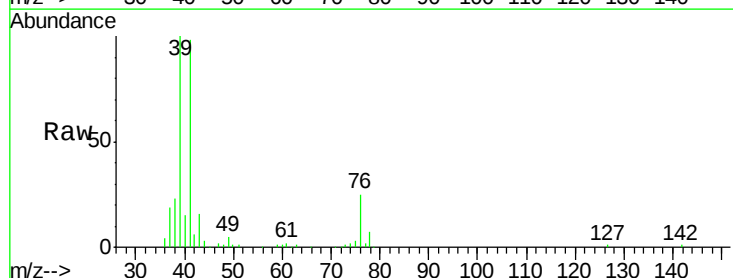
Tgt Ion: 41 Resp: 339059

Ion Ratio Lower Upper

41 100

39 102.0 80.1 120.1

76 25.6 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

2.92

250000

200000

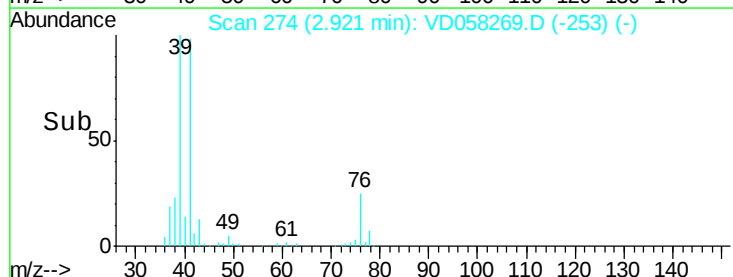
150000

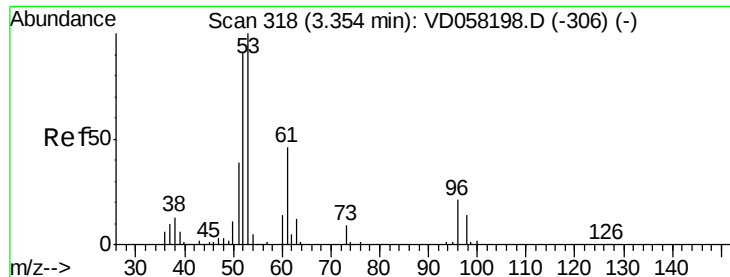
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 226.00 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

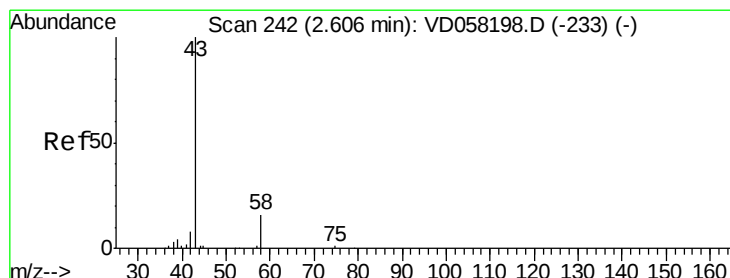
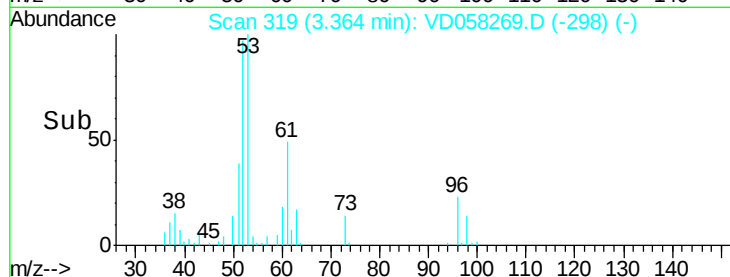
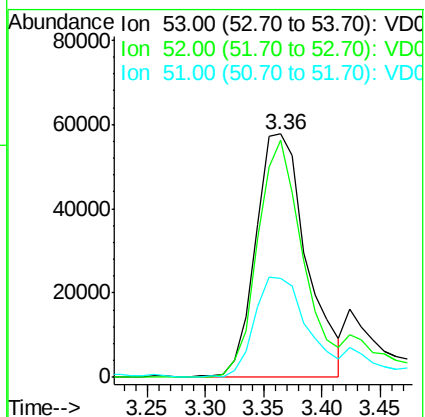
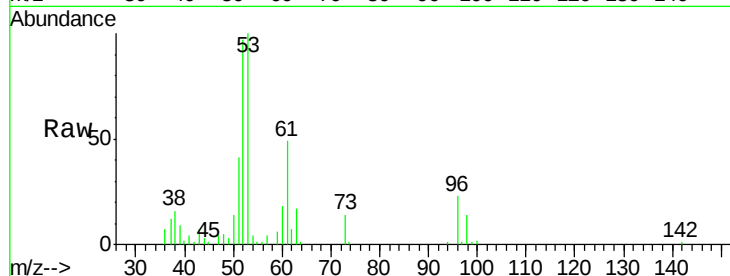
Tot Ion: 53 Resp: 174970

Ion Ratio Lower Upper

53 100

52 97.5 72.6 108.8

51 40.6 32.2 48.4



#16

Acetone

Concen: 221.19 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058269.D

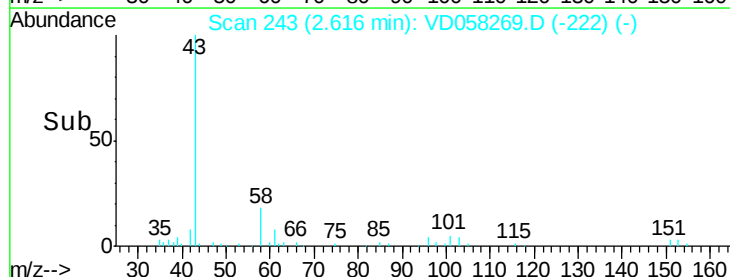
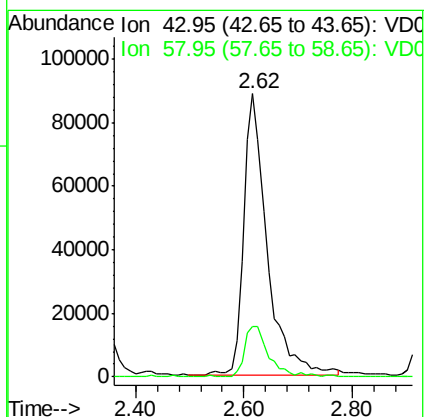
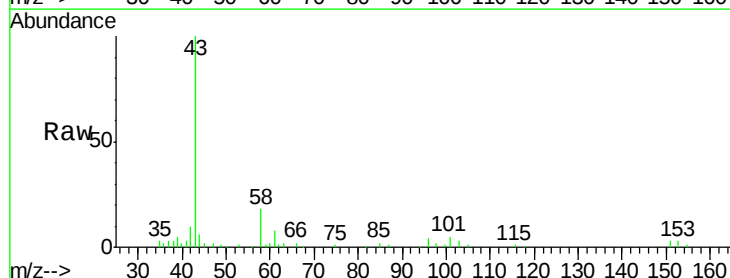
Acq: 22 Jun 2018 00:34

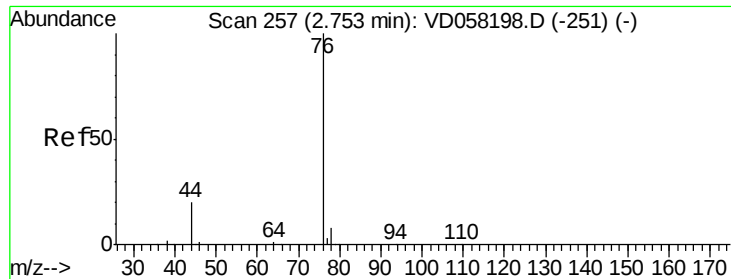
Tgt Ion: 43 Resp: 267794

Ion Ratio Lower Upper

43 100

58 17.7 12.7 19.1





#17

Carbon Disulfide

Concen: 44.56 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

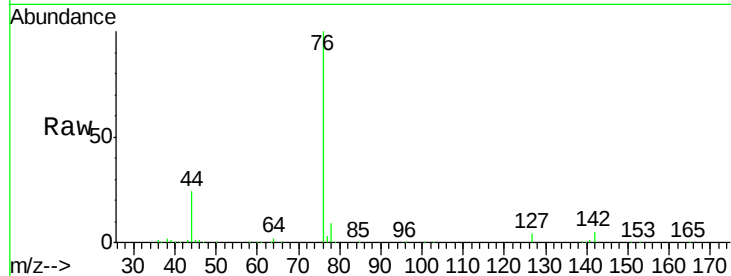
VSTDCCC050

Tot Ion: 76 Resp: 456499

Ion Ratio Lower Upper

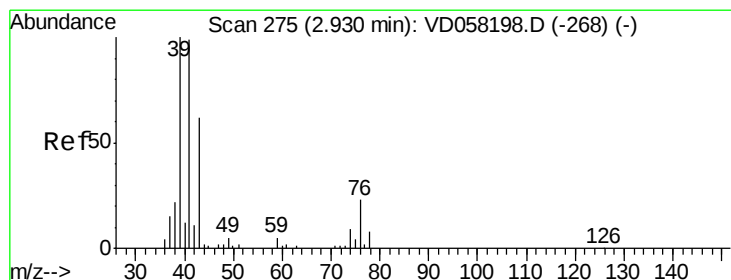
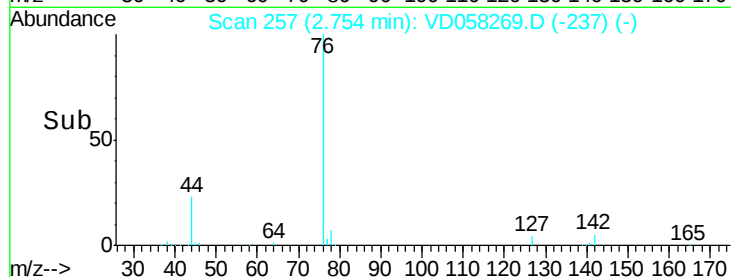
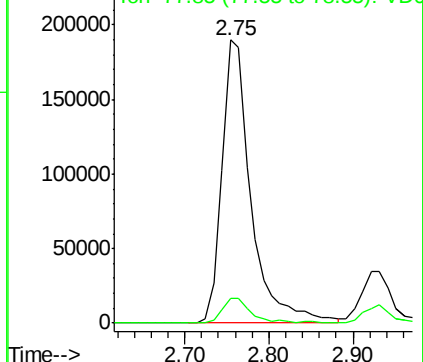
76 100

78 8.8 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.26 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058269.D

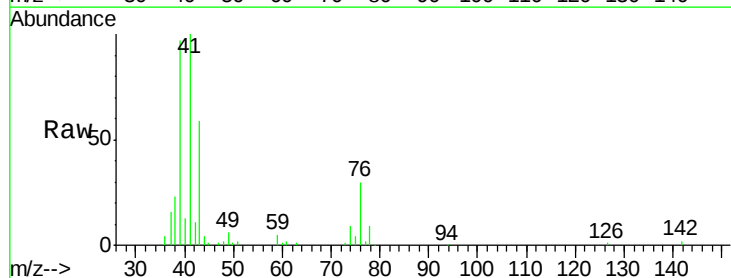
Acq: 22 Jun 2018 00:34

Tgt Ion: 43 Resp: 122014

Ion Ratio Lower Upper

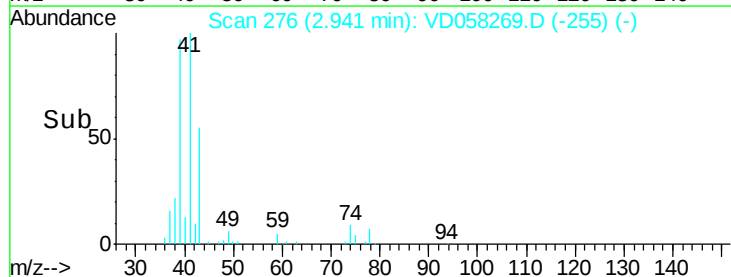
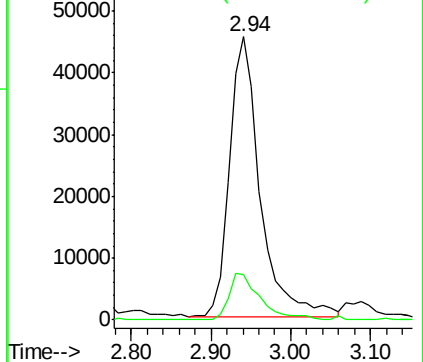
43 100

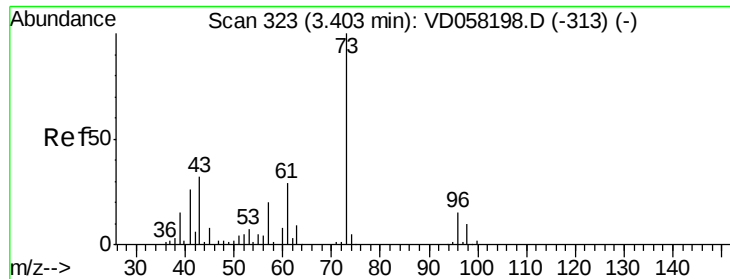
74 15.9 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

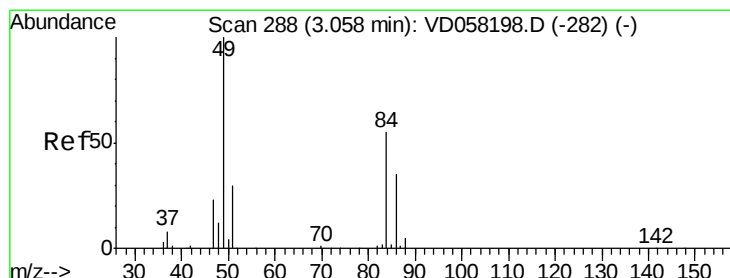
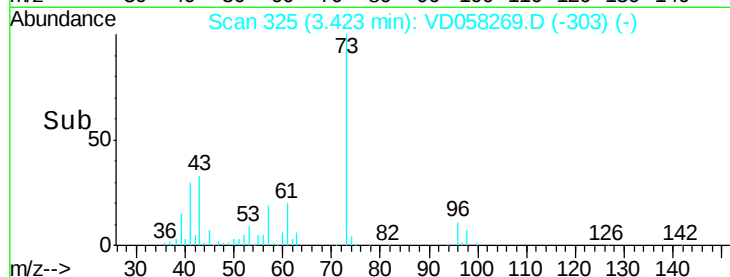
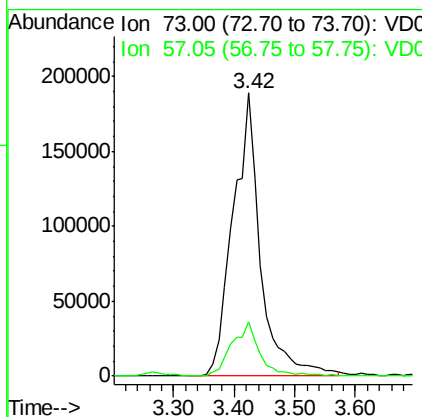
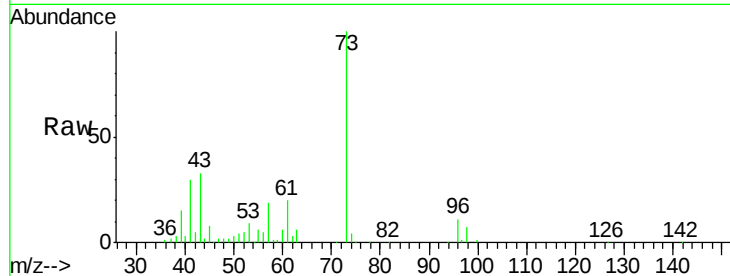




#19
Methyl tert-butyl Ether
Concen: 74.66 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

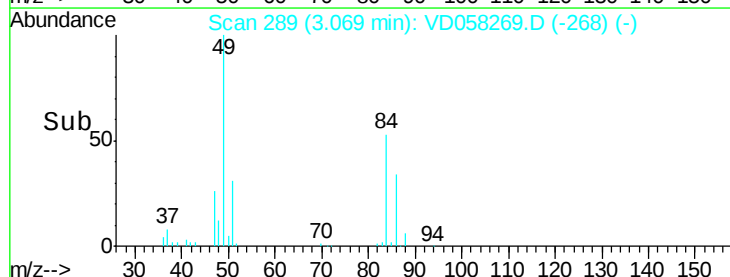
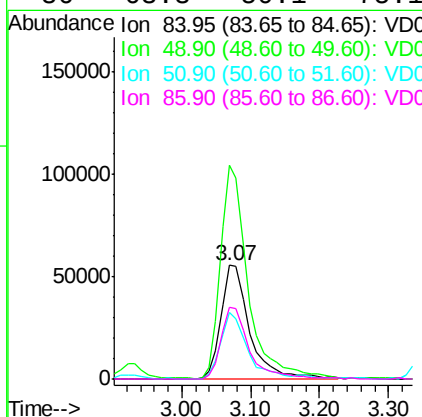
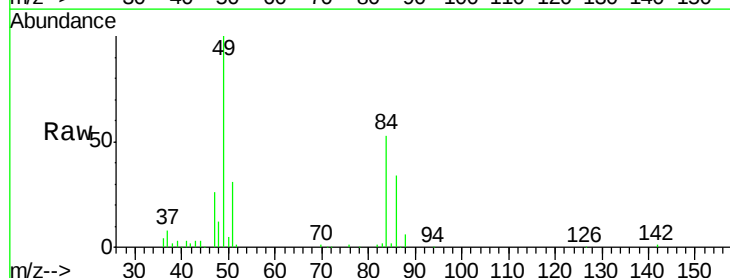
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

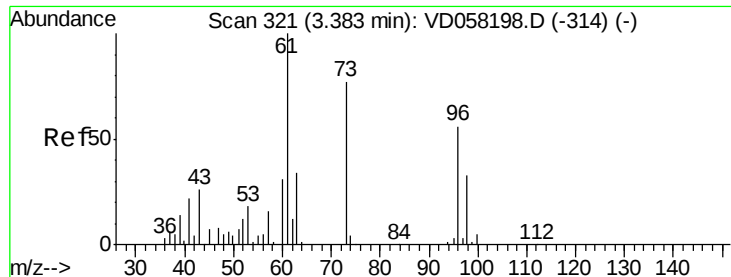
Tot Ion: 73 Resp: 596310
Ion Ratio Lower Upper
73 100
57 19.4 16.6 24.8



#20
Methylene Chloride
Concen: 50.67 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion: 84 Resp: 159947
Ion Ratio Lower Upper
84 100
49 187.7 145.0 217.6
51 58.5 42.9 64.3
86 63.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 57.46 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

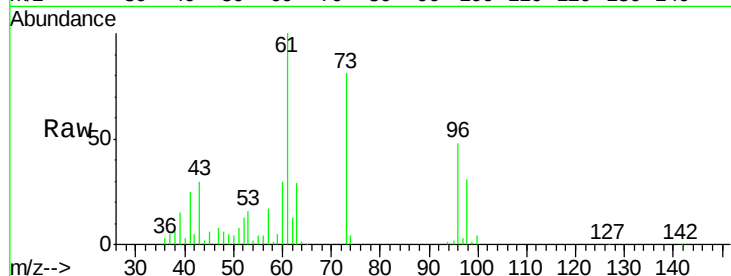
Tot Ion: 96 Resp: 189077

Ion Ratio Lower Upper

96 100

61 206.6 143.8 215.6

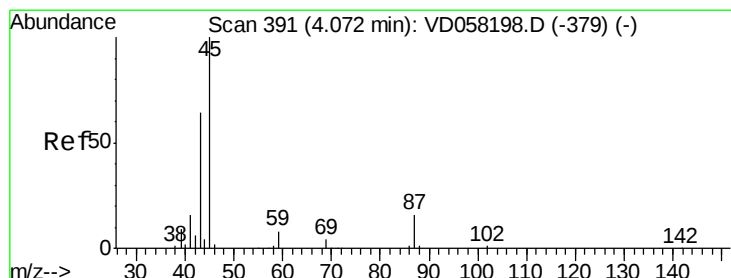
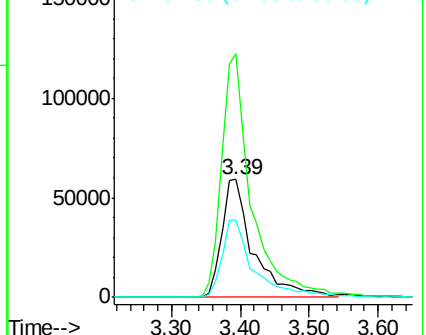
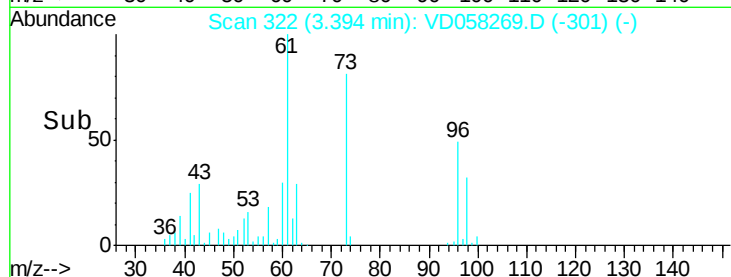
98 65.0 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.10 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Tgt Ion: 45 Resp: 1338707

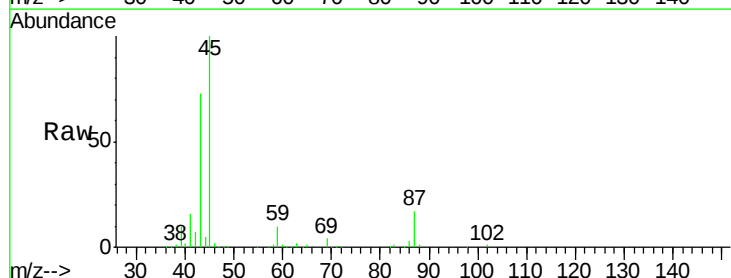
Ion Ratio Lower Upper

45 100

43 73.4 51.4 77.0

87 16.5 13.0 19.4

59 10.1 6.9 10.3

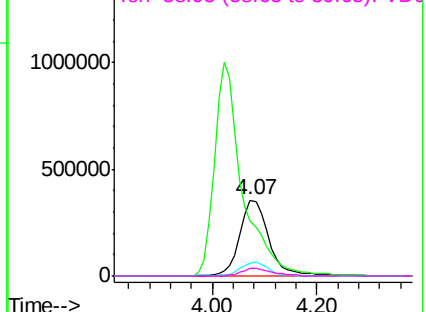
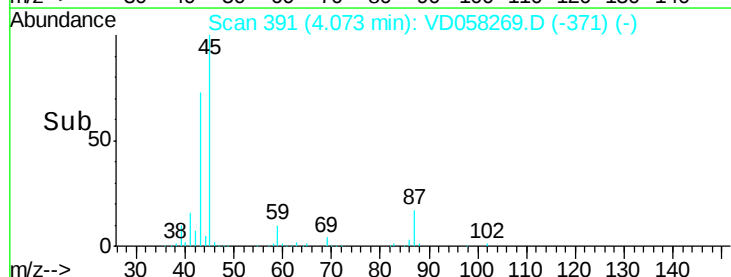


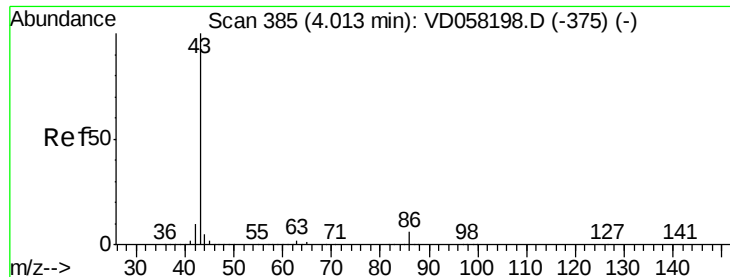
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 247.17 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

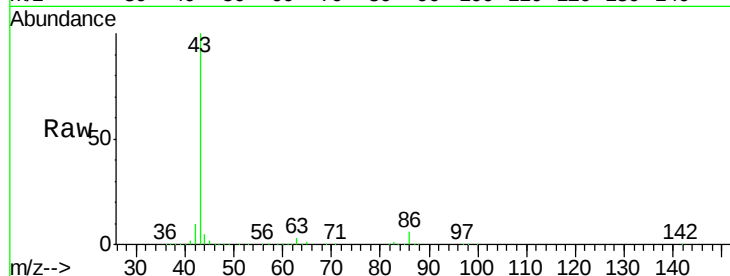
VSTDCCC050

Tot Ion: 43 Resp: 3688024

Ion Ratio Lower Upper

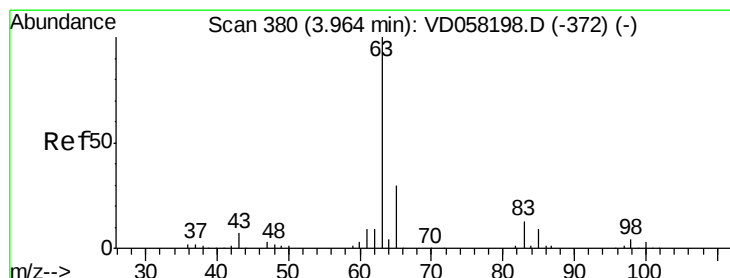
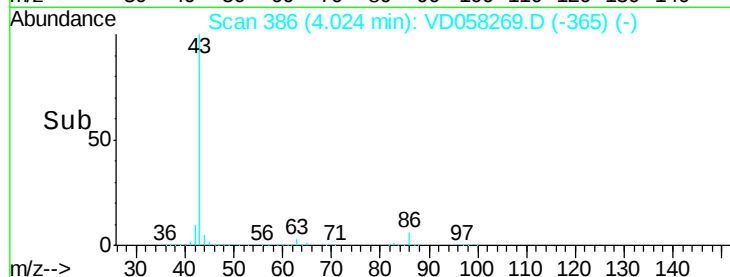
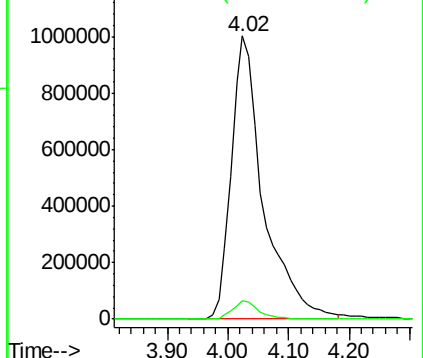
43 100

86 6.4 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.15 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

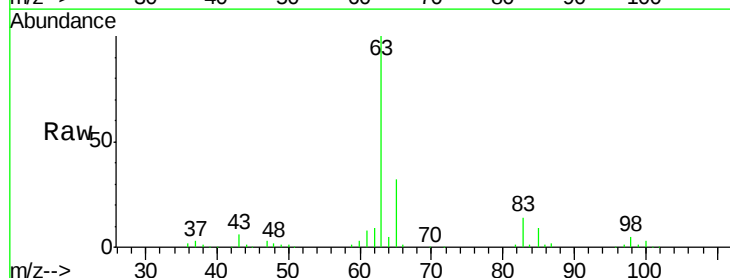
Tgt Ion: 63 Resp: 782098

Ion Ratio Lower Upper

63 100

98 5.0 1.9 5.7

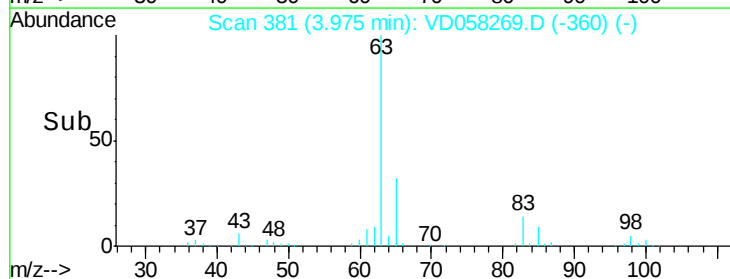
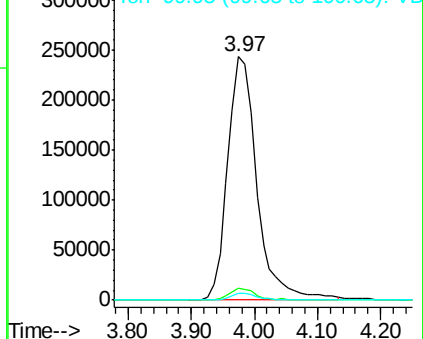
100 2.6 1.3 3.9

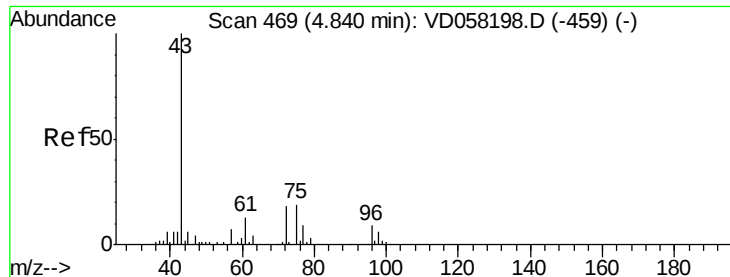


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 244.98 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

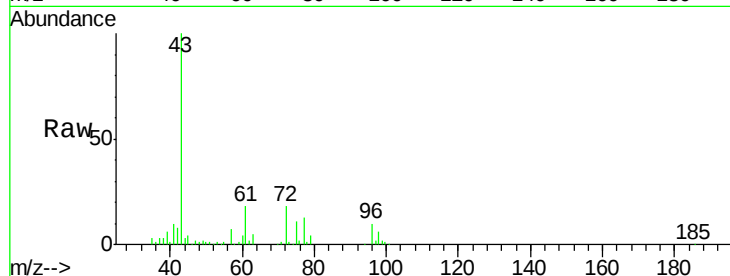
VSTDCCC050

Tot Ion: 43 Resp: 646440

Ion Ratio Lower Upper

43 100

72 17.7 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

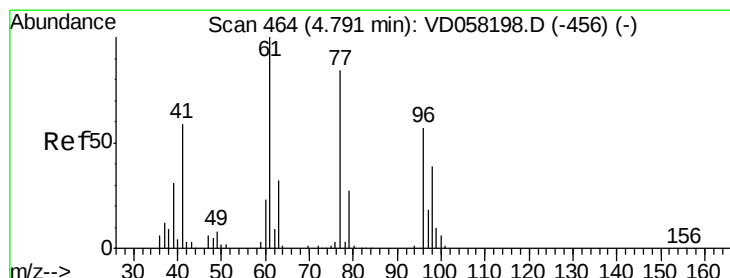
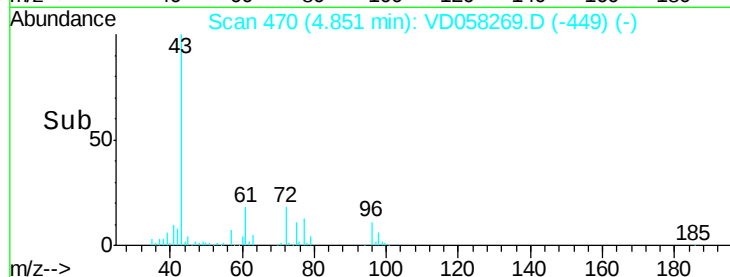
100000

50000

0

4.70 4.80 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 47.94 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058269.D

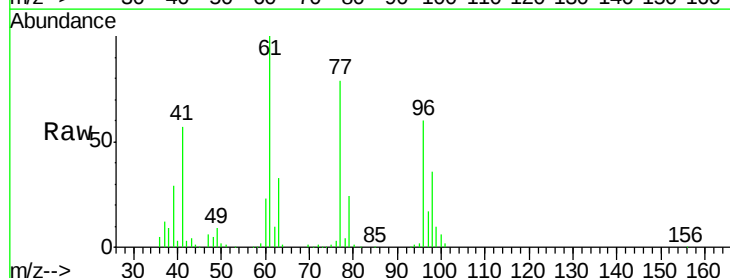
Acq: 22 Jun 2018 00:34

Tgt Ion: 77 Resp: 601935

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

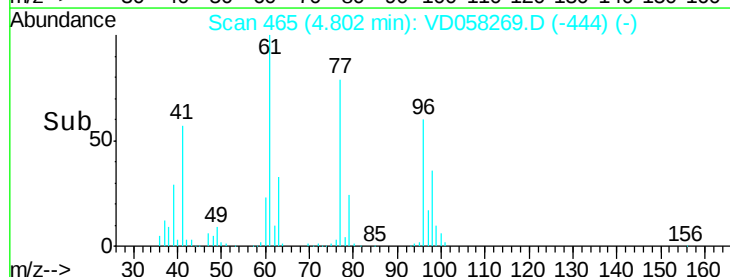
100000

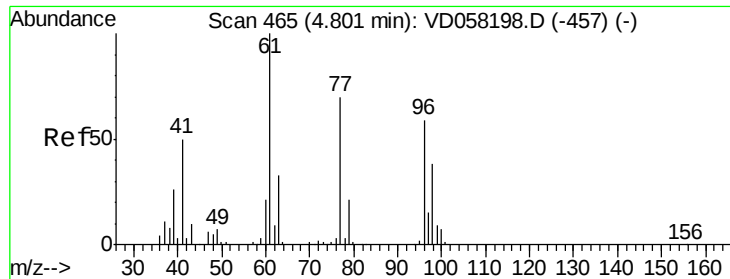
50000

0

4.70 4.80 4.90 5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.88 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

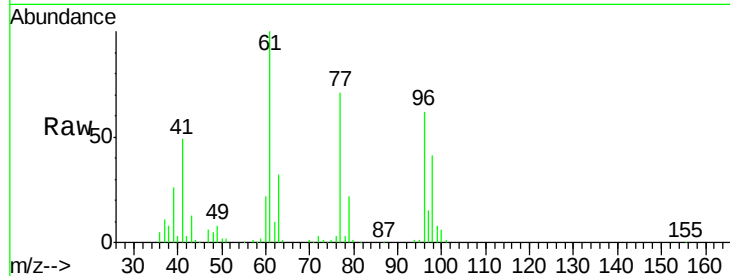
Tot Ion: 96 Resp: 434841

Ion Ratio Lower Upper

96 100

61 160.7 0.0 338.6

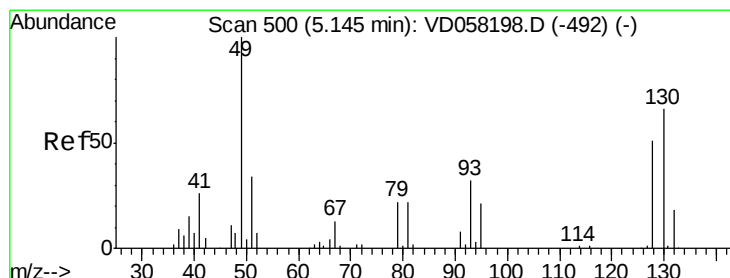
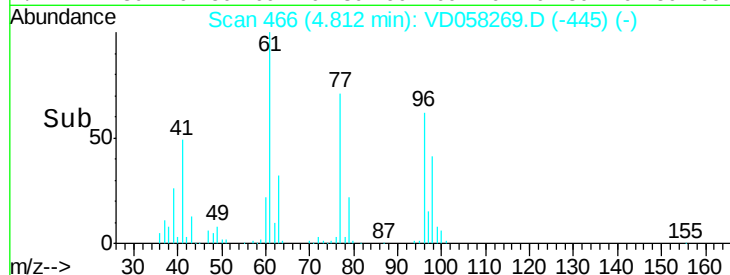
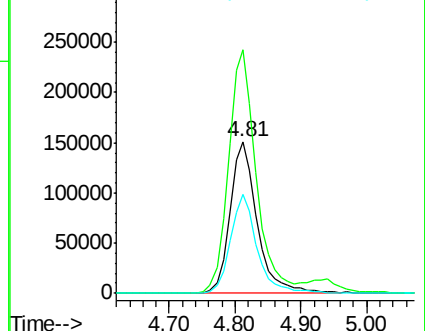
98 65.4 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 51.22 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

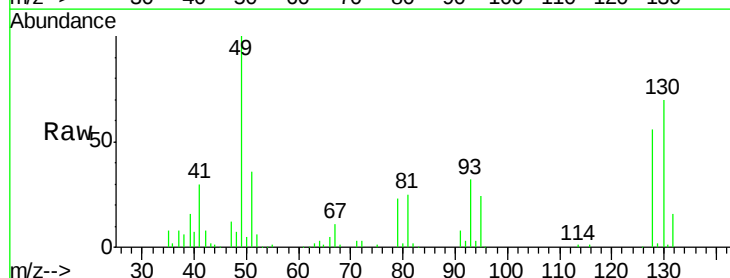
Tgt Ion: 49 Resp: 344312

Ion Ratio Lower Upper

49 100

129 2.1 0.0 0.0#

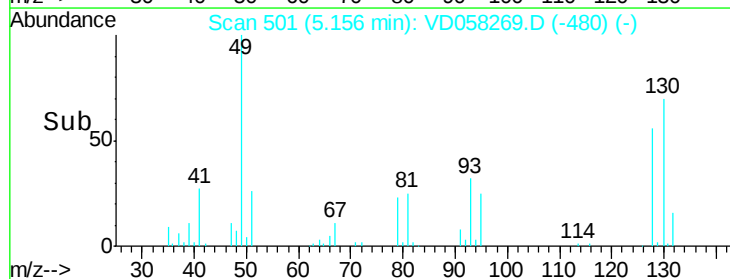
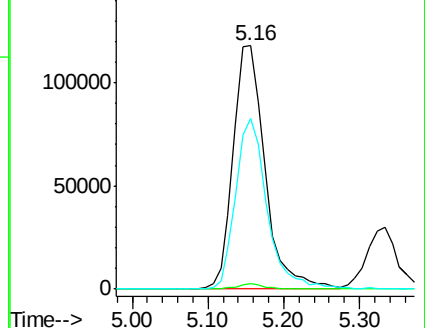
130 70.2 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 241.85 ug/l

RT: 5.19 min Scan# 504

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

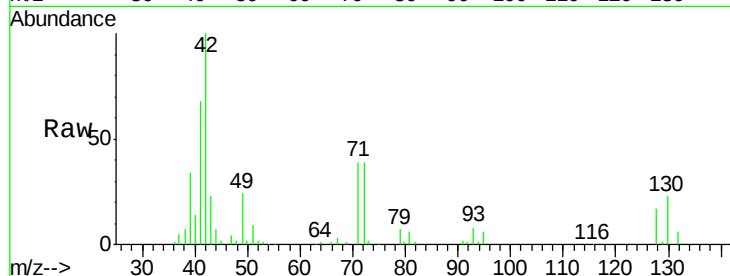
Tot Ion: 42 Resp: 339682

Ion Ratio Lower Upper

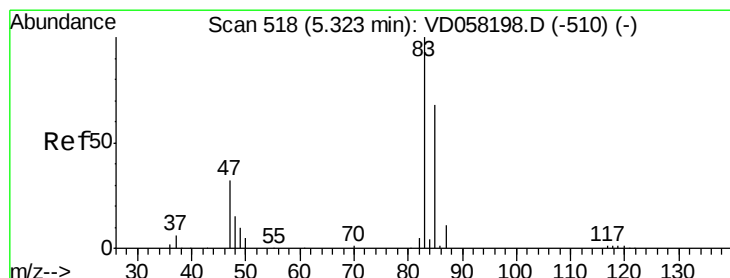
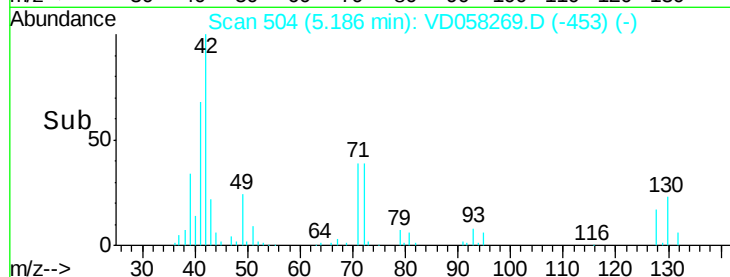
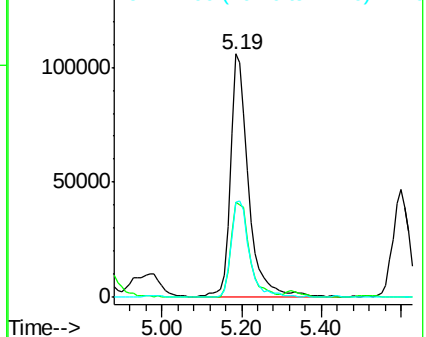
42 100

72 39.9 30.2 45.2

71 40.0 30.1 45.1



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: 53.31 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD058269.D

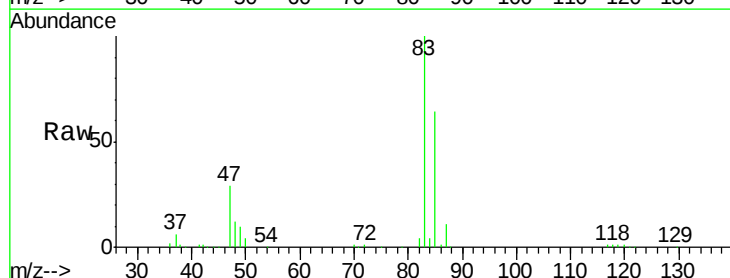
Acq: 22 Jun 2018 00:34

Tgt Ion: 83 Resp: 843906

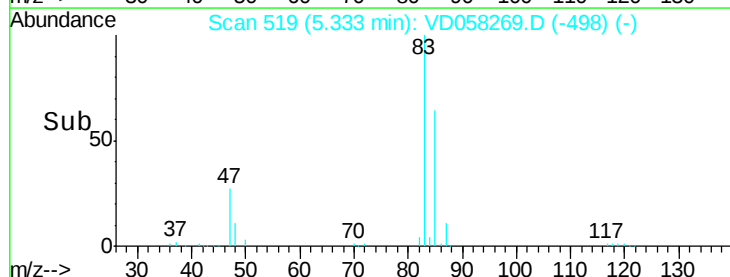
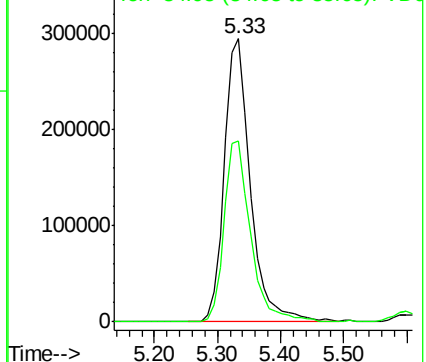
Ion Ratio Lower Upper

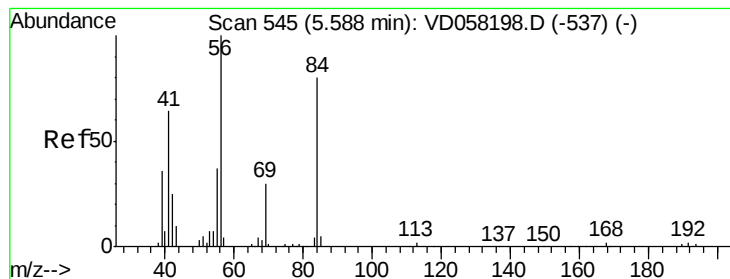
83 100

85 64.2 54.8 82.2



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





#31

Cyclohexane

Concen: 51.85 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

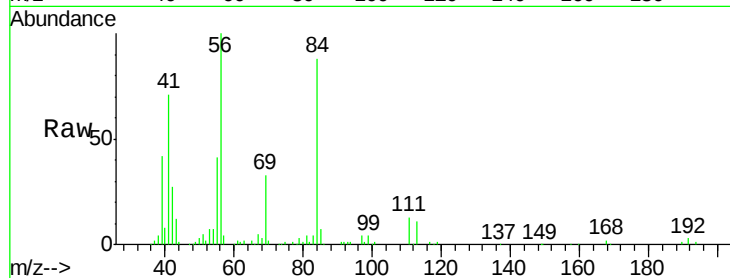
Tot Ion: 56 Resp: 562408

Ion Ratio Lower Upper

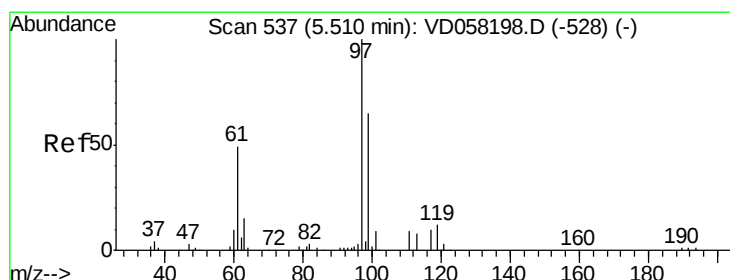
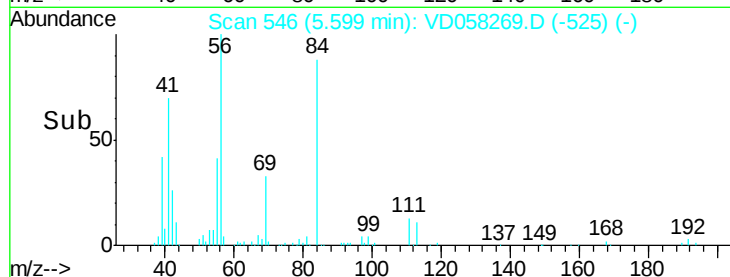
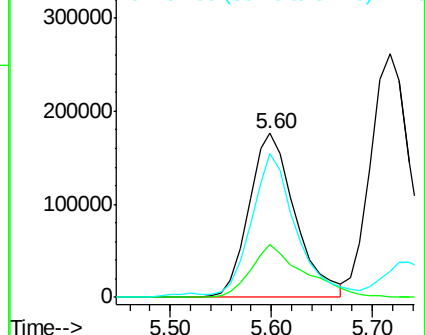
56 100

69 32.7 23.6 35.4

84 88.1 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 53.04 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

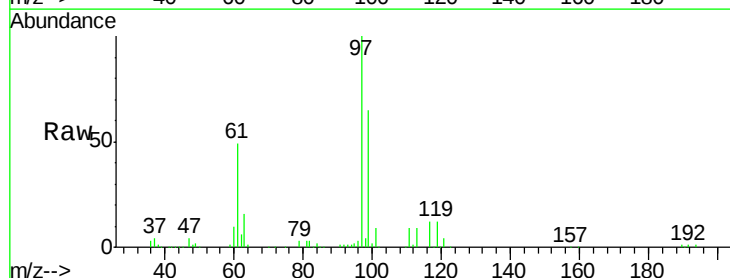
Tgt Ion: 97 Resp: 693728

Ion Ratio Lower Upper

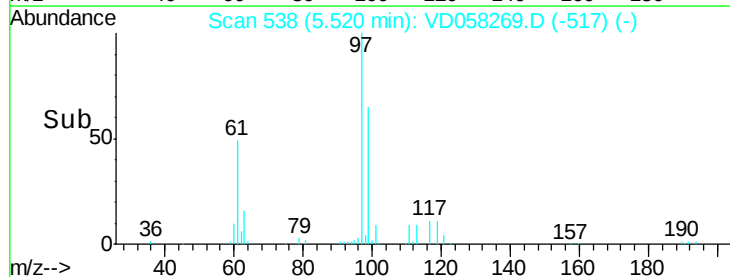
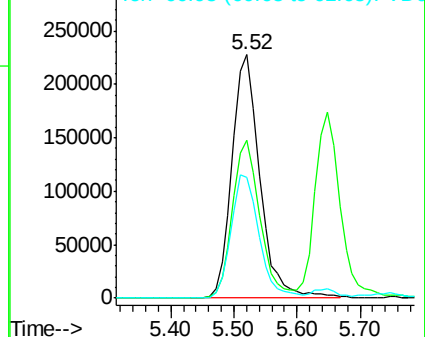
97 100

99 65.1 52.2 78.4

61 49.4 39.0 58.4



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





#33

1,2-Dichloroethane-d4

Concen: 53.04 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

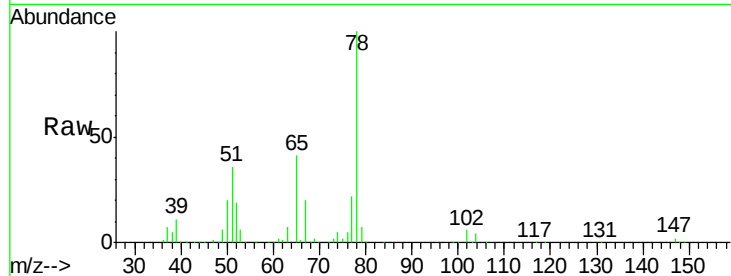
VSTDCCC050

Tot Ion: 65 Resp: 513439

Ion Ratio Lower Upper

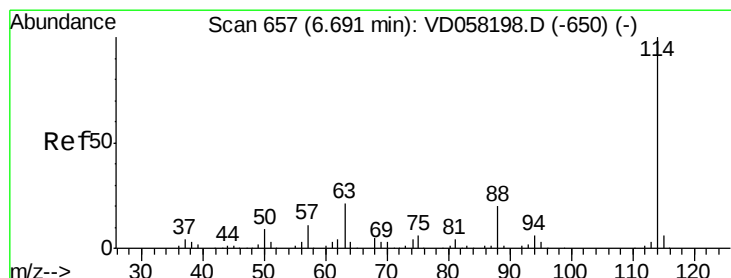
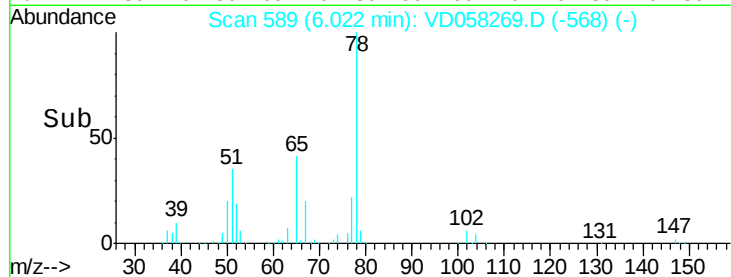
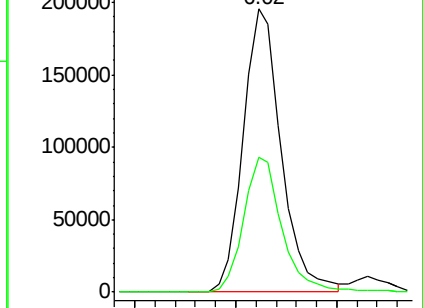
65 100

67 47.7 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

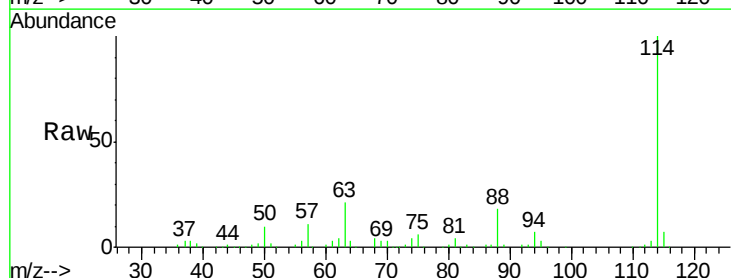
Tgt Ion: 114 Resp: 1162159

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

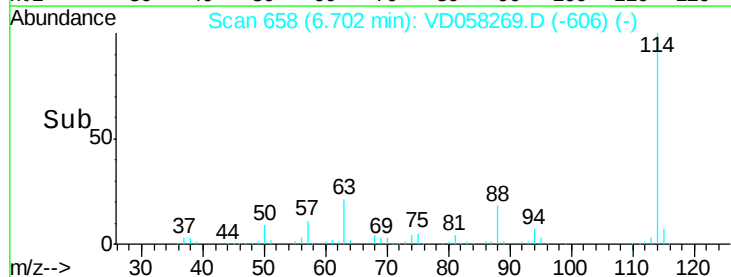
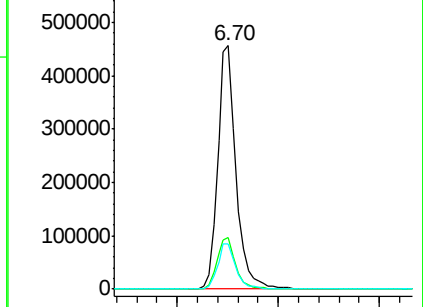
88 18.5 0.0 40.6

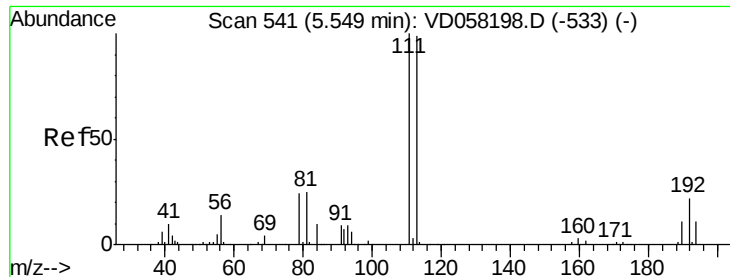


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

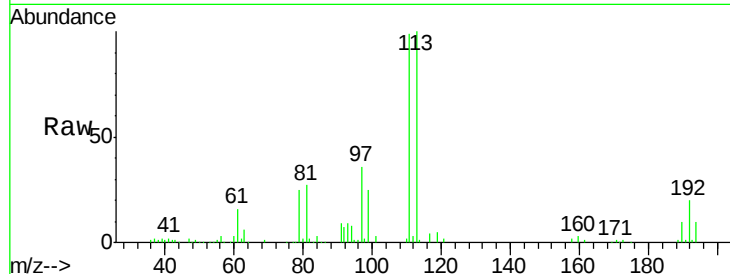
Tot Ion:113 Resp: 517402

Ion Ratio Lower Upper

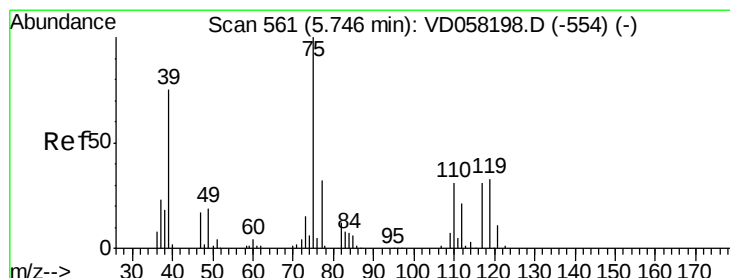
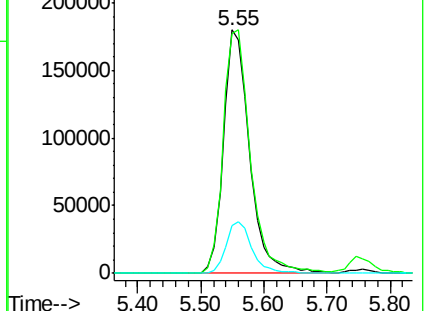
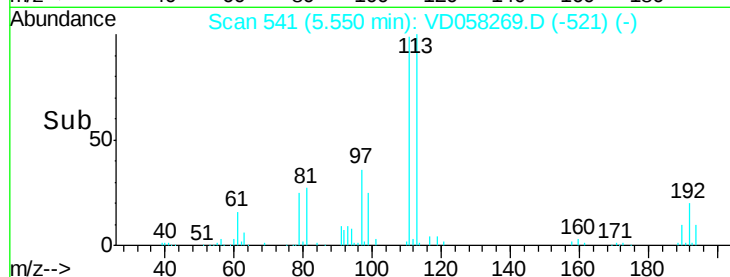
113 100

111 98.6 80.6 121.0

192 19.6 17.8 26.6



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: 49.34 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

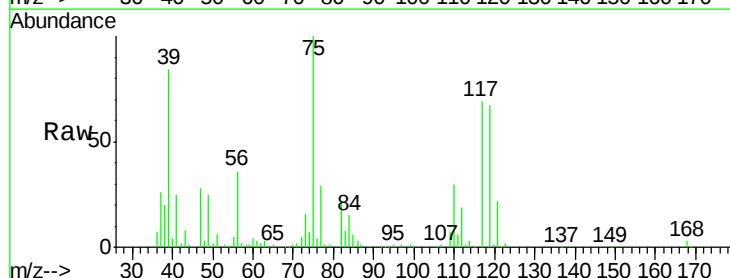
Tgt Ion: 75 Resp: 567275

Ion Ratio Lower Upper

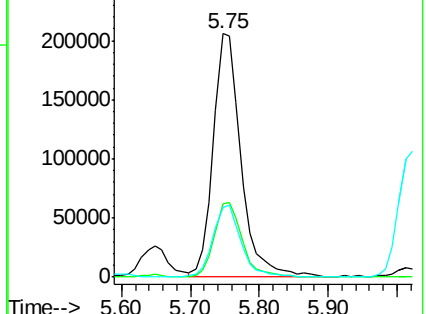
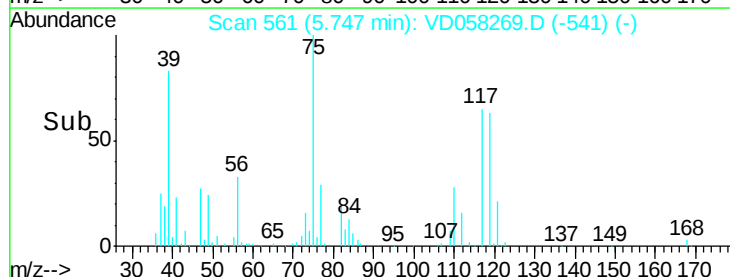
75 100

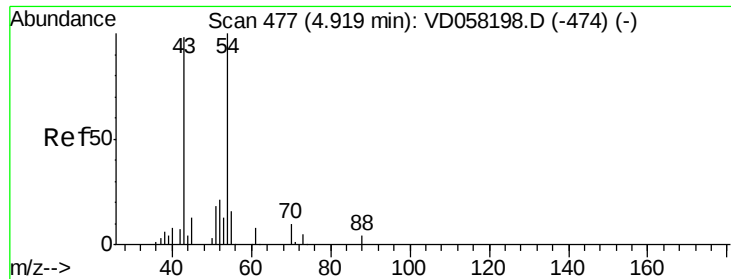
110 30.2 15.4 46.4

77 28.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

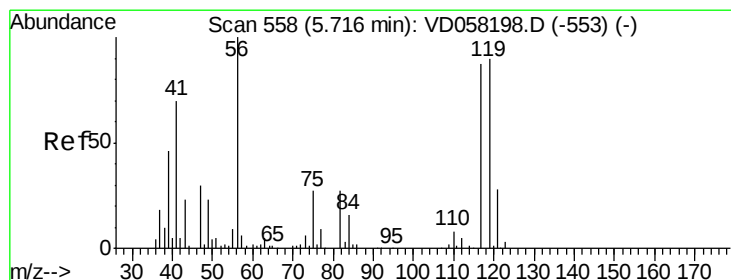
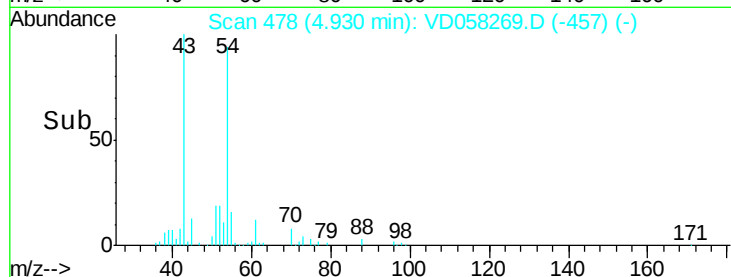
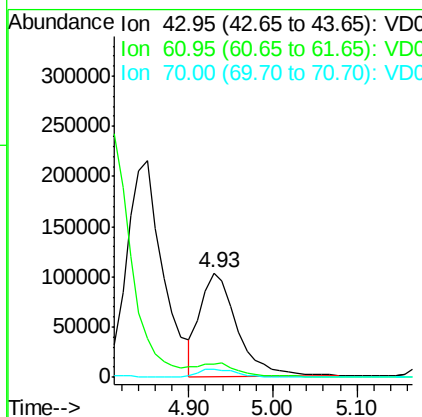
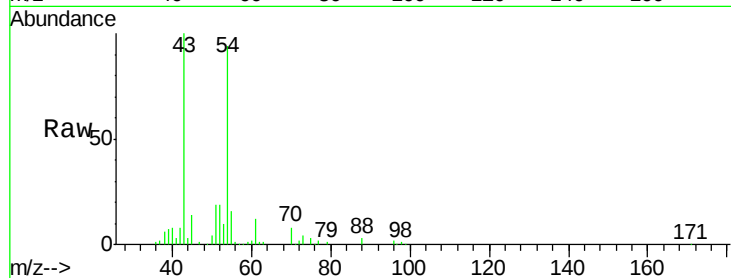




#37
Ethyl Acetate
Concen: 47.86 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

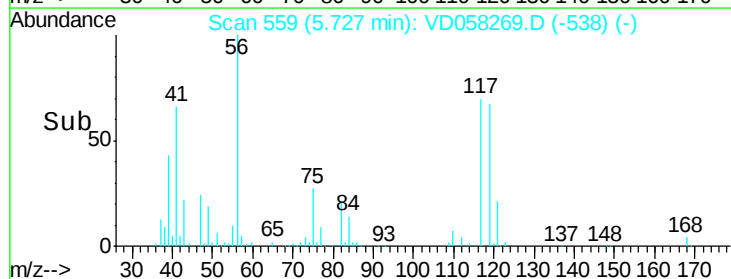
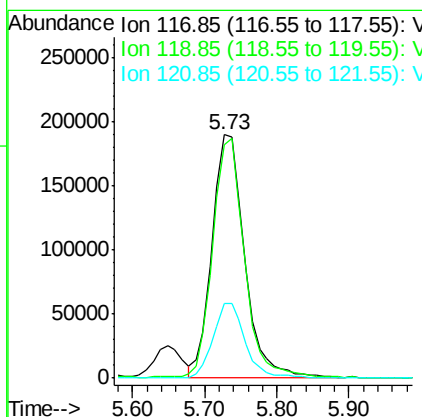
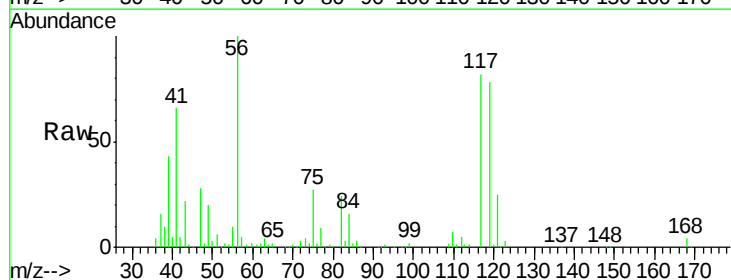
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 313521
Ion Ratio Lower Upper
43 100
61 12.3 10.3 15.5
70 8.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 51.48 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion: 117 Resp: 588120
Ion Ratio Lower Upper
117 100
119 96.1 78.8 118.2
121 30.9 25.0 37.6





#39

Methylcyclohexane

Concen: 49.66 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

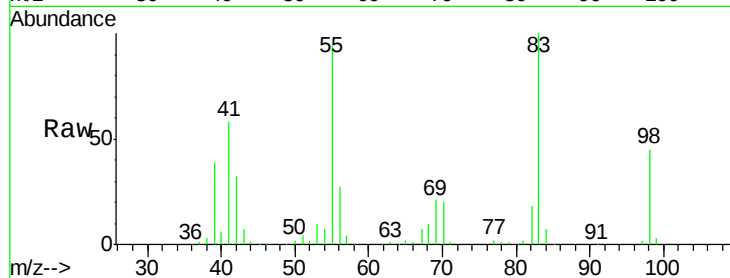
Tot Ion: 83 Resp: 556148

Ion Ratio Lower Upper

83 100

55 93.7 77.4 116.2

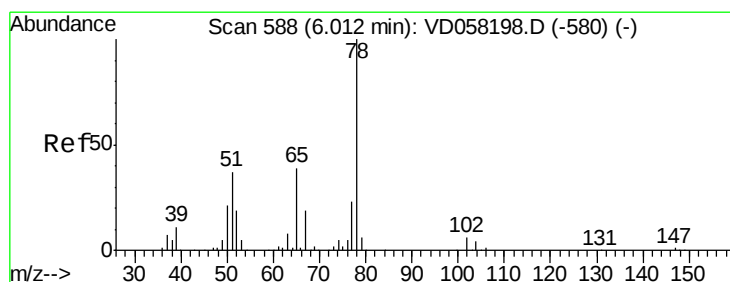
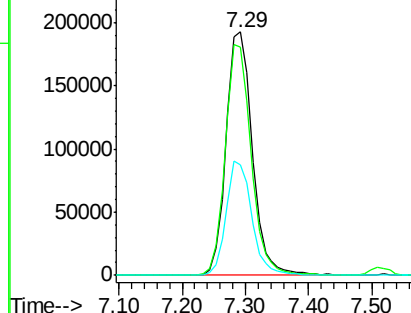
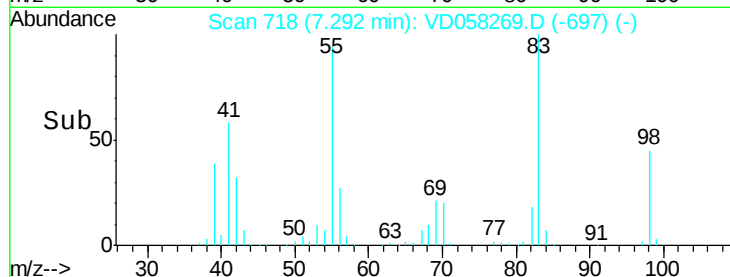
98 45.4 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 48.45 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058269.D

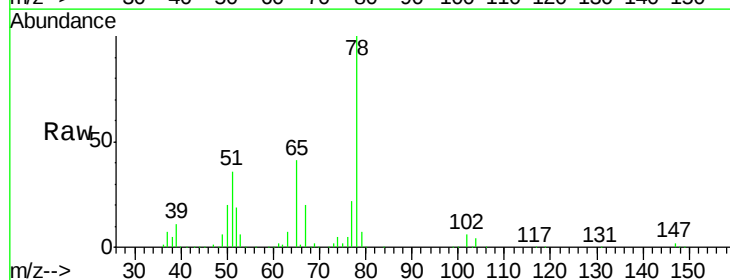
Acq: 22 Jun 2018 00:34

Tgt Ion: 78 Resp: 1326818

Ion Ratio Lower Upper

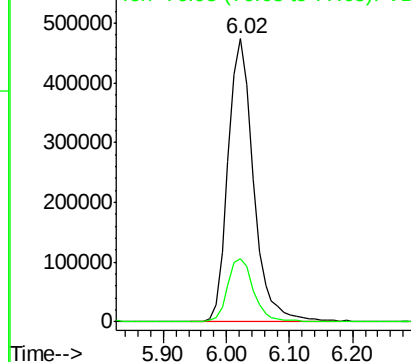
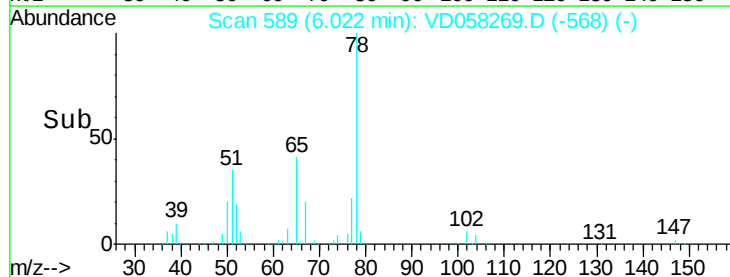
78 100

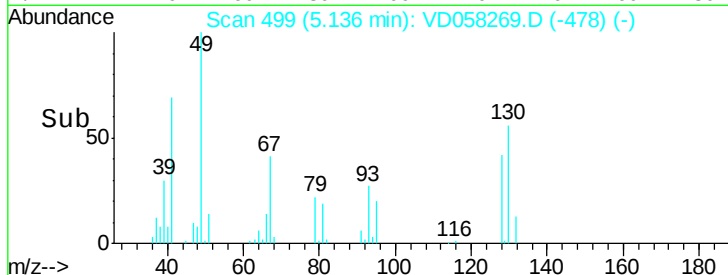
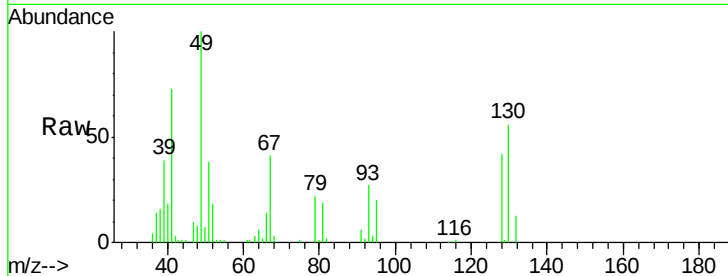
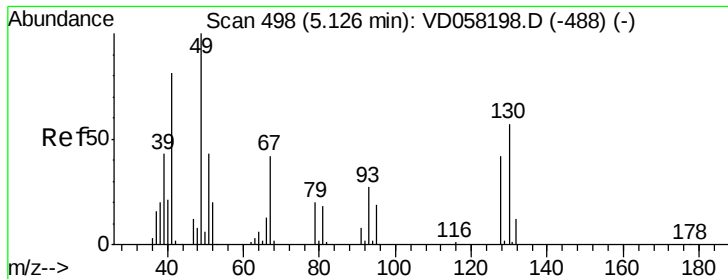
77 22.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 54.68 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 172946

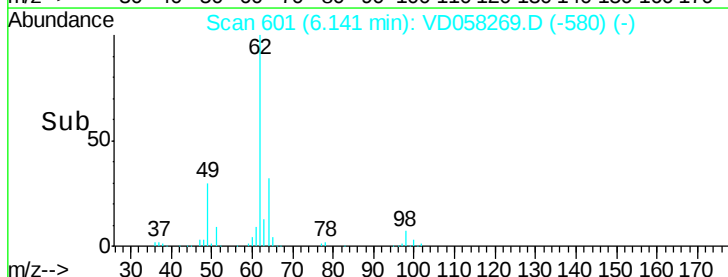
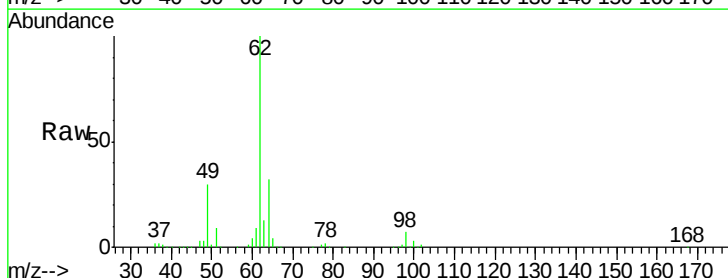
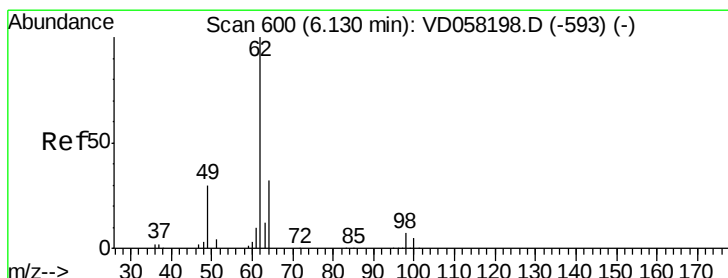
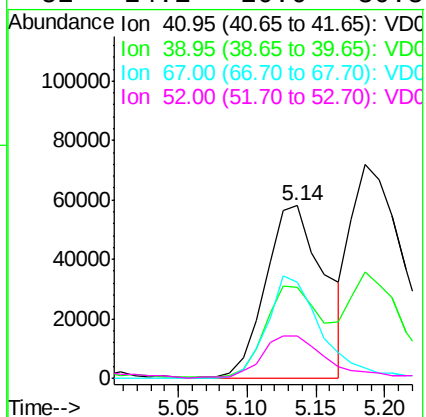
Ion Ratio Lower Upper

41 100

39 52.8 43.4 65.2

67 55.9 41.7 62.5

52 24.1 20.6 30.8



#42

1,2-Dichloroethane

Concen: 51.32 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD058269.D

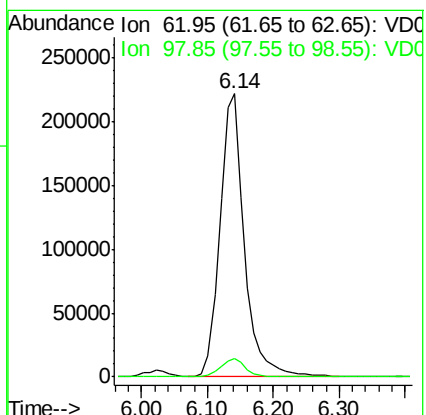
Acq: 22 Jun 2018 00:34

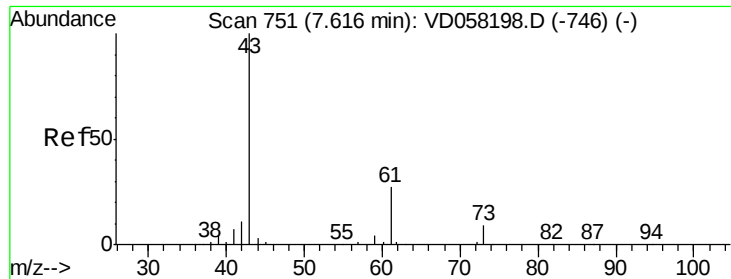
Tgt Ion: 62 Resp: 566701

Ion Ratio Lower Upper

62 100

98 6.6 0.0 13.2

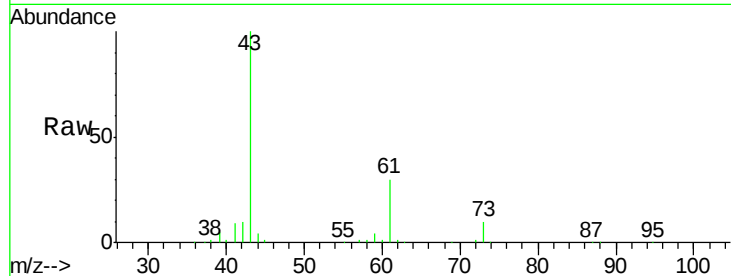




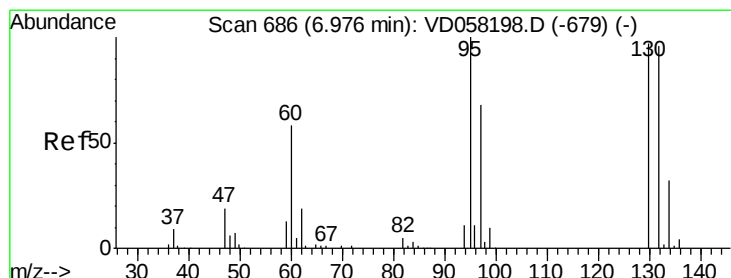
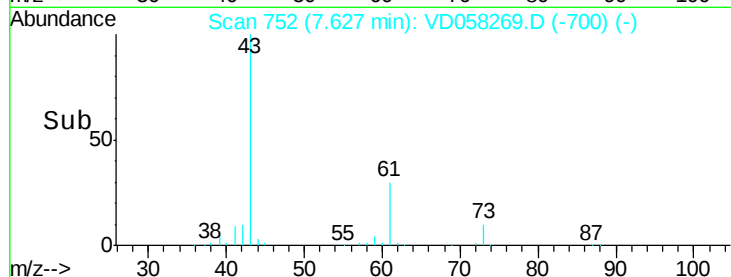
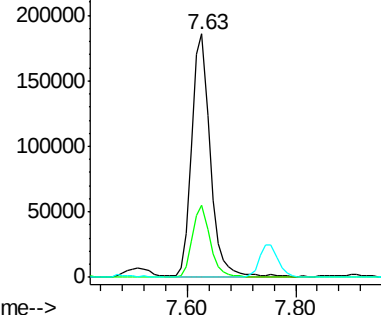
#43
Isopropyl Acetate
Concen: 49.58 ug/l
RT: 7.63 min Scan# 752
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 433000
Ion Ratio Lower Upper
43 100
61 29.6 21.8 32.6
87 0.2 0.3 0.5#

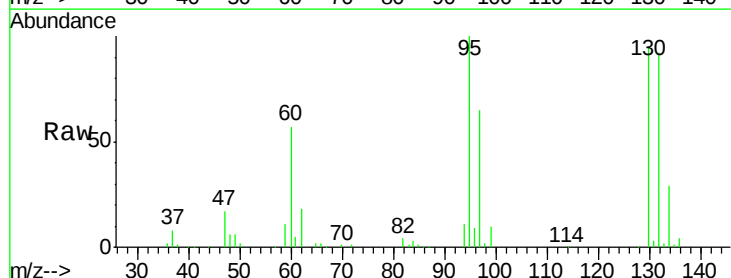


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

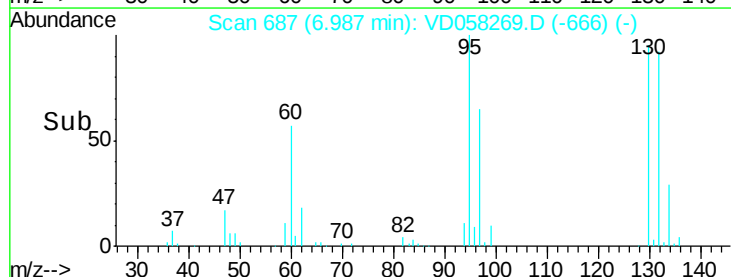
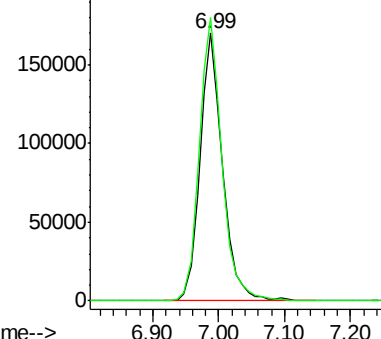


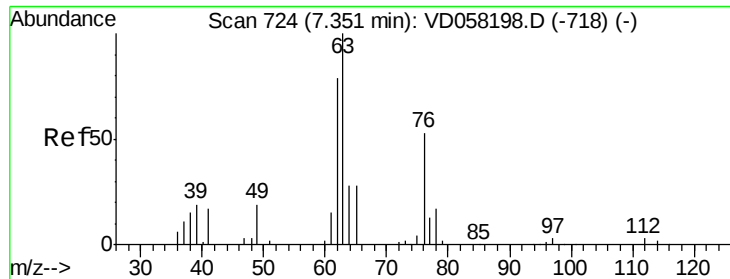
#44
Trichloroethene
Concen: 49.37 ug/l
RT: 6.99 min Scan# 687
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion:130 Resp: 405985
Ion Ratio Lower Upper
130 100
95 105.7 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 50.98 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

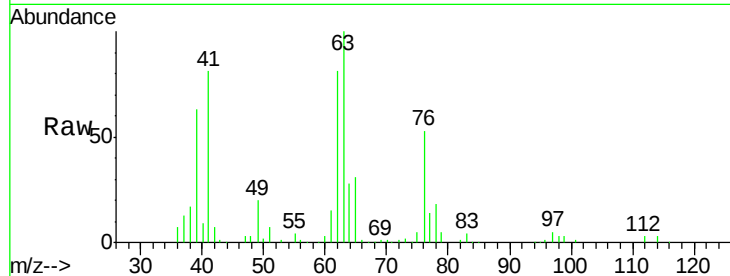
VSTDCCC050

Tot Ion: 63 Resp: 375983

Ion Ratio Lower Upper

63 100

65 31.4 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

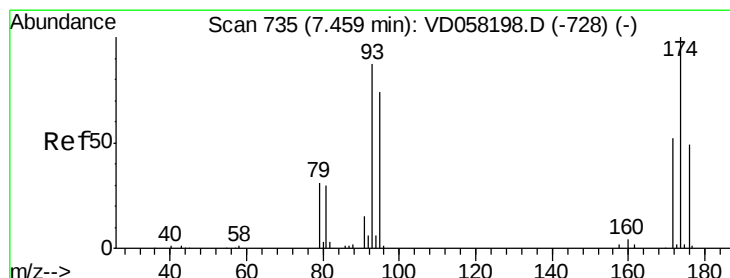
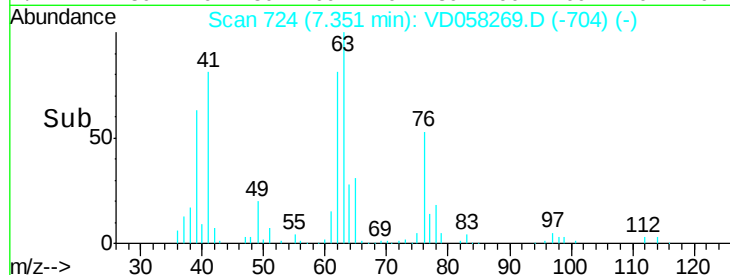
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.16 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

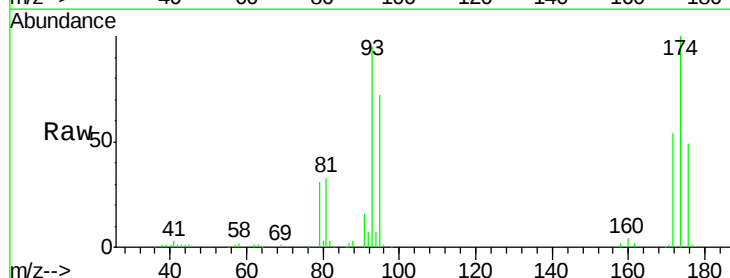
Tgt Ion: 93 Resp: 262617

Ion Ratio Lower Upper

93 100

95 75.3 67.8 101.6

174 104.9 92.2 138.2



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

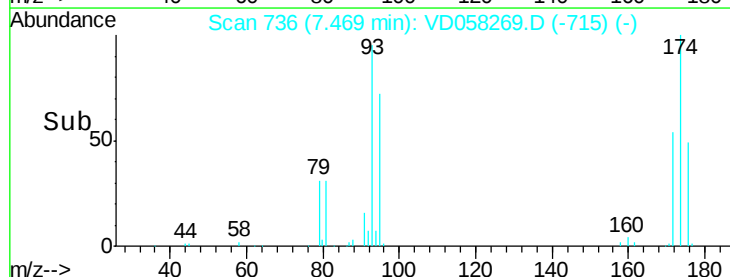
150000

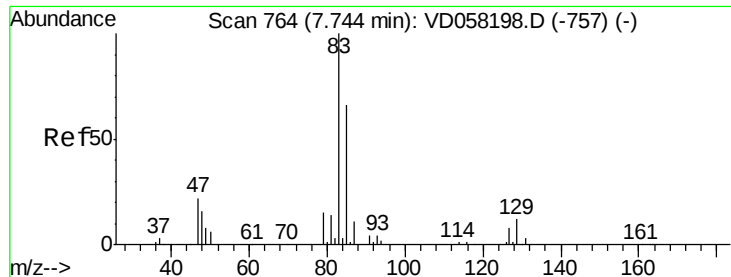
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.01 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

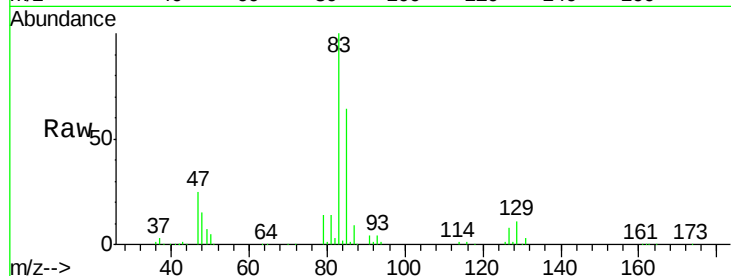
Tot Ion: 83 Resp: 608653

Ion Ratio Lower Upper

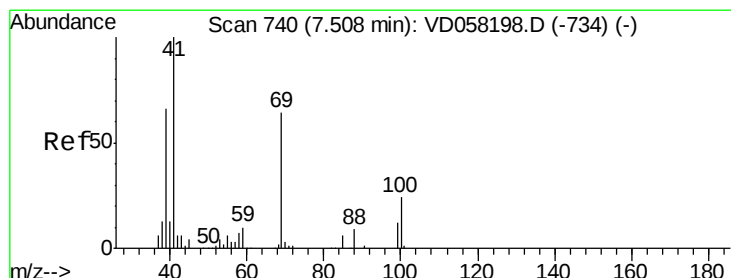
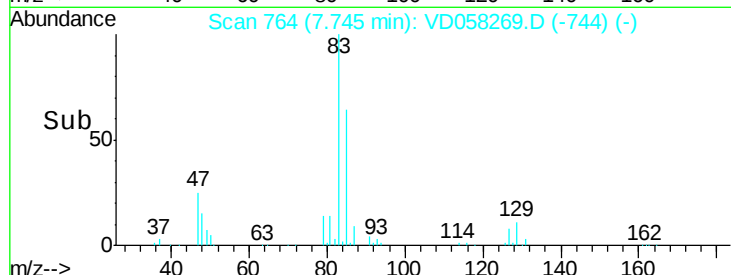
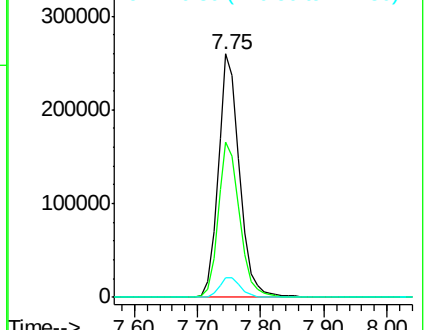
83 100

85 63.8 52.6 78.8

127 8.2 6.2 9.4



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: 49.49 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

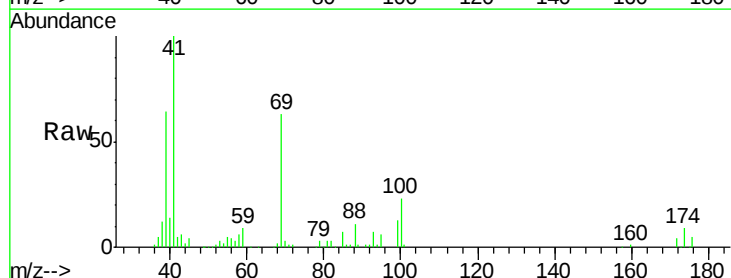
Tgt Ion: 41 Resp: 262693

Ion Ratio Lower Upper

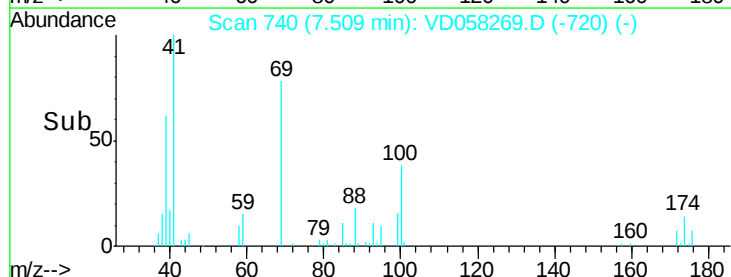
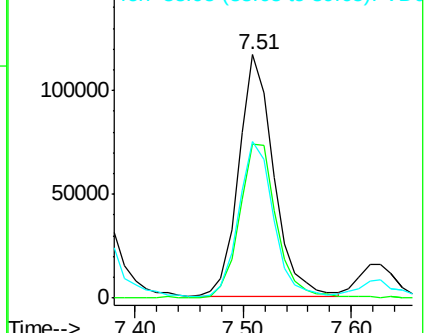
41 100

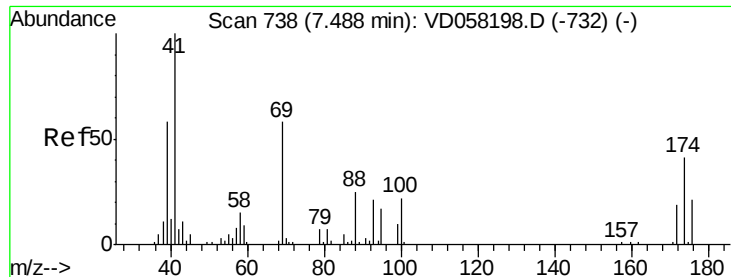
69 63.3 50.7 76.1

39 64.3 52.6 78.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1087.75 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

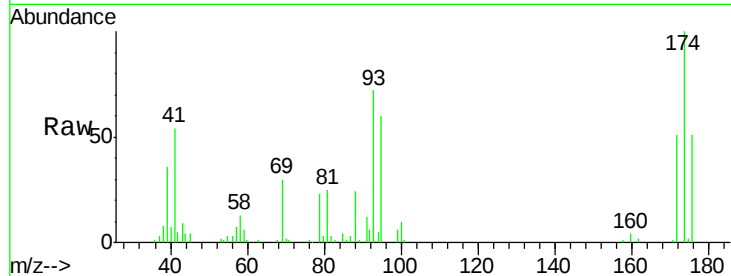
Tot Ion: 88 Resp: 52116

Ion Ratio Lower Upper

88 100

43 38.0 34.2 51.2

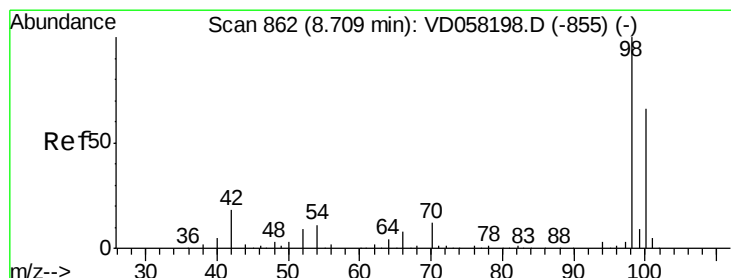
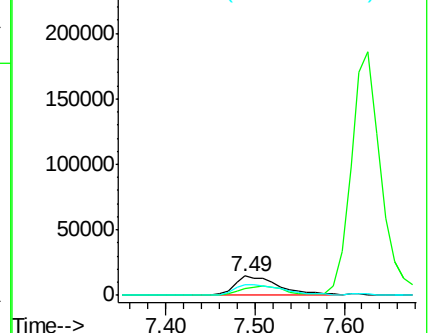
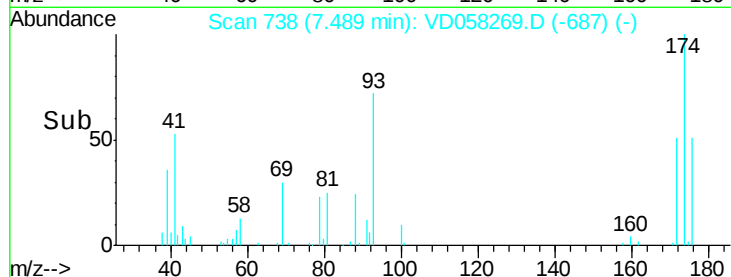
58 54.9 47.9 71.9



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: 1087.75 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058269.D

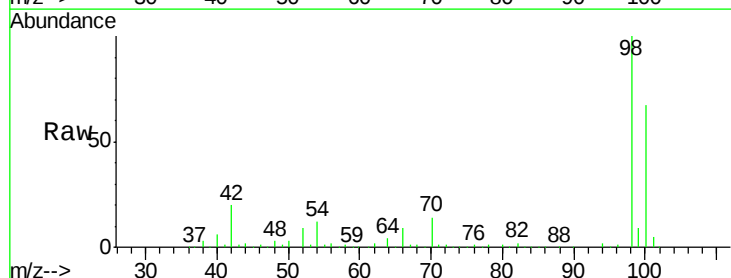
Acq: 22 Jun 2018 00:34

Tgt Ion: 98 Resp: 1159706

Ion Ratio Lower Upper

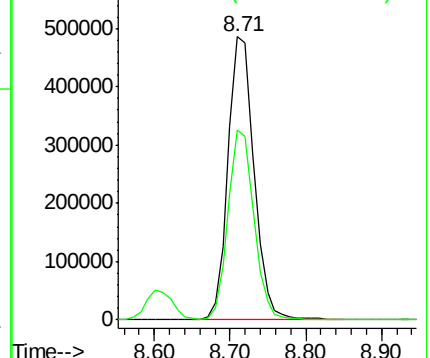
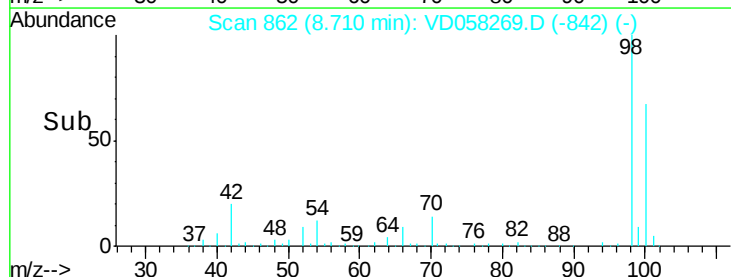
98 100

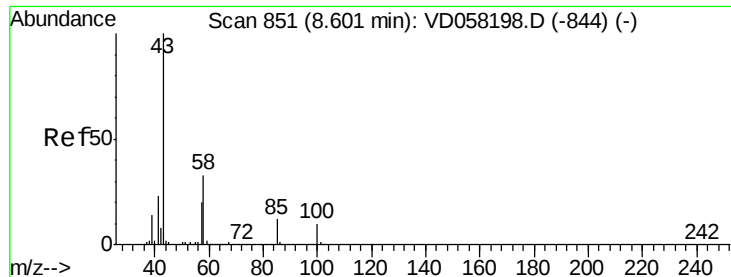
100 67.2 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 241.37 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

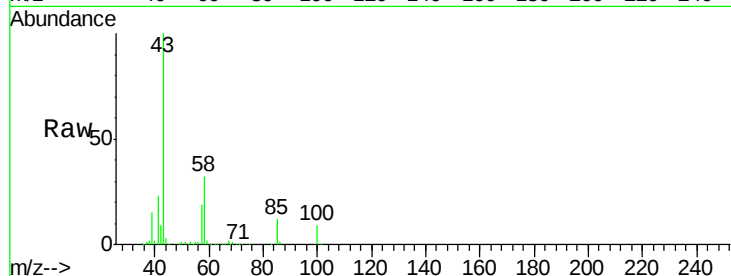
VSTDCCC050

Tot Ion: 43 Resp: 1374952

Ion Ratio Lower Upper

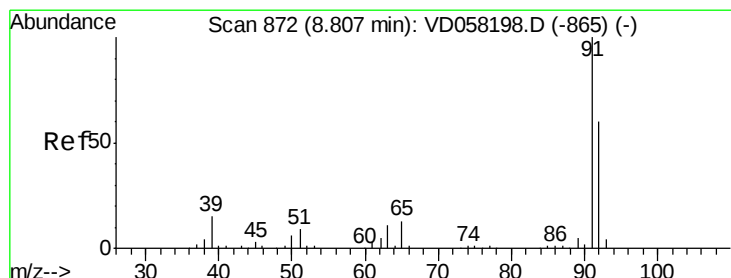
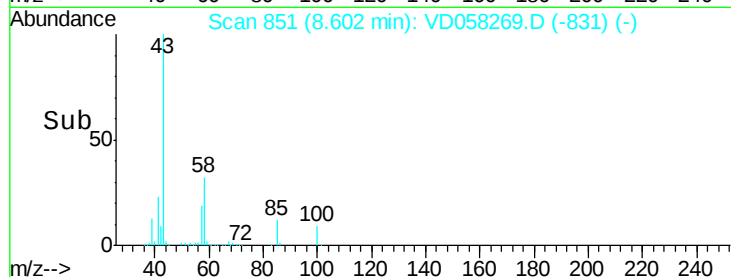
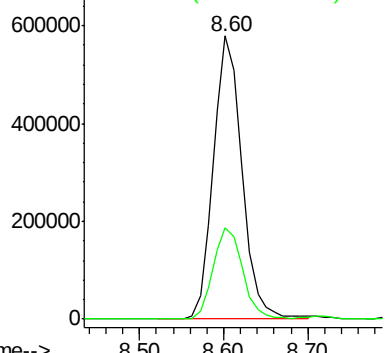
43 100

58 32.2 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.03 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058269.D

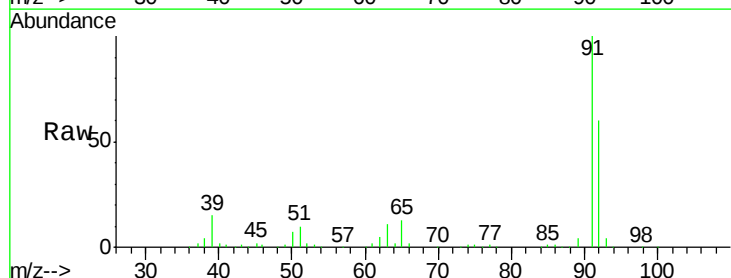
Acq: 22 Jun 2018 00:34

Tgt Ion: 92 Resp: 702154

Ion Ratio Lower Upper

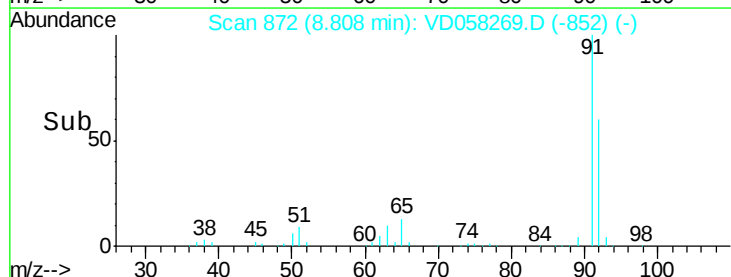
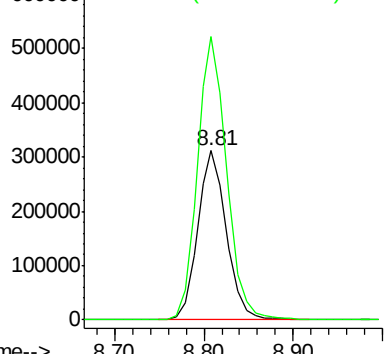
92 100

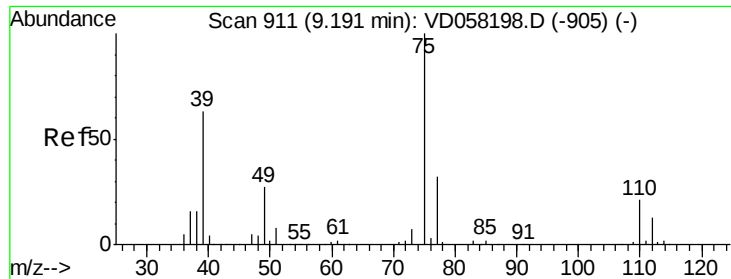
91 167.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

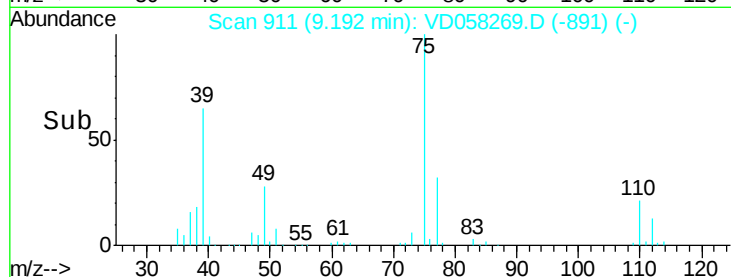
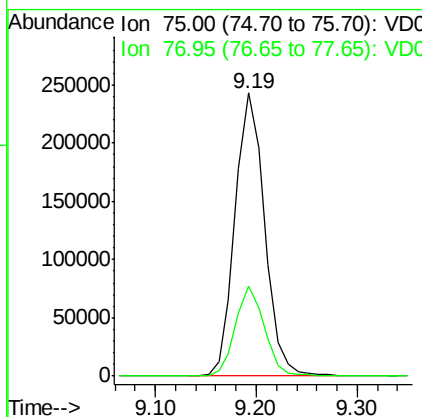
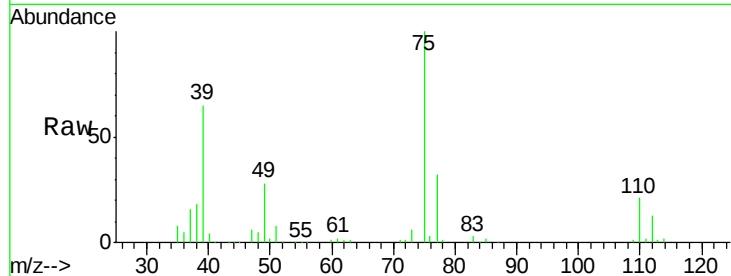




#53
 t-1,3-Dichloropropene
 Concen: 49.76 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

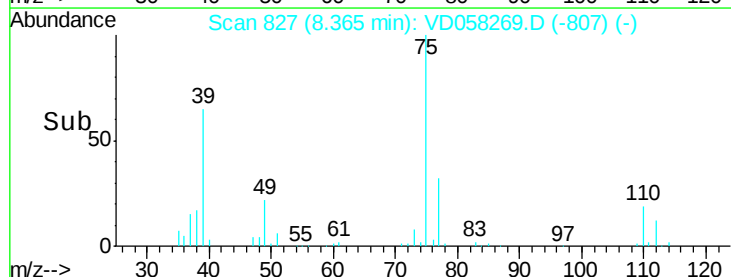
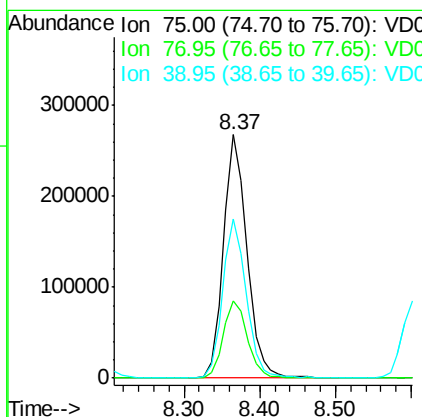
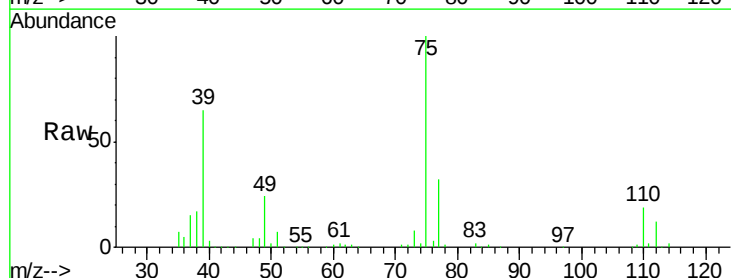
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

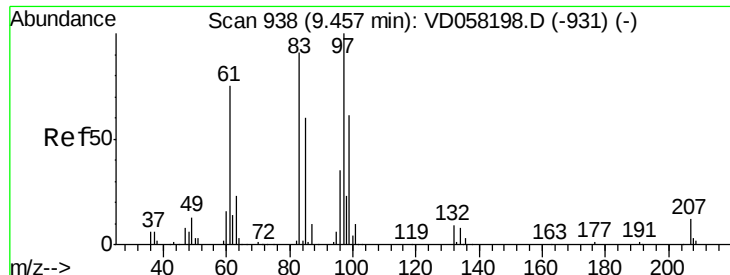
Tot Ion: 75 Resp: 496716
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 49.22 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Tgt Ion: 75 Resp: 576064
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.5 39.7
 39 65.2 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 48.18 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

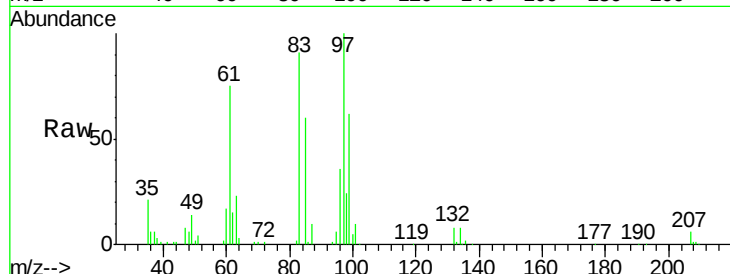
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 265818

Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.9	109.3
85	60.1	48.2	72.4
99	62.5	48.9	73.3



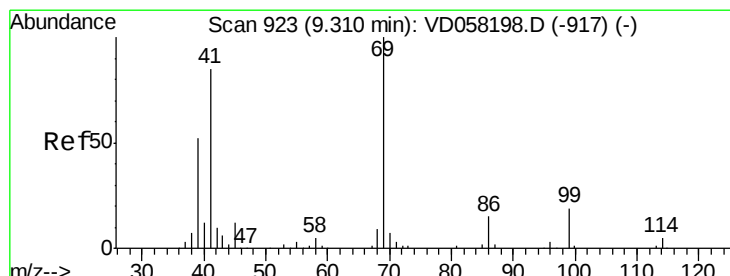
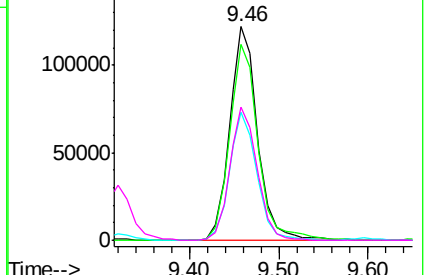
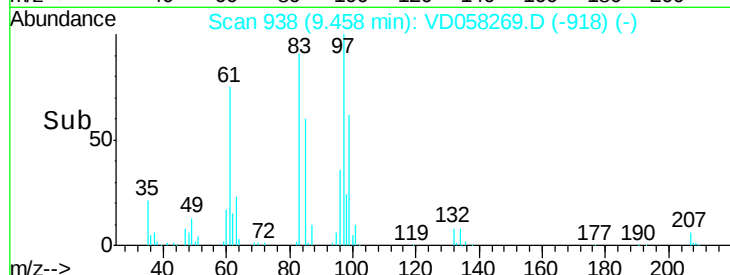
Abundance Ion 96.85 (96.55 to 97.55): VDC

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

Time-->



#56

Ethyl methacrylate

Concen: 51.63 ug/l

RT: 9.32 min Scan# 924

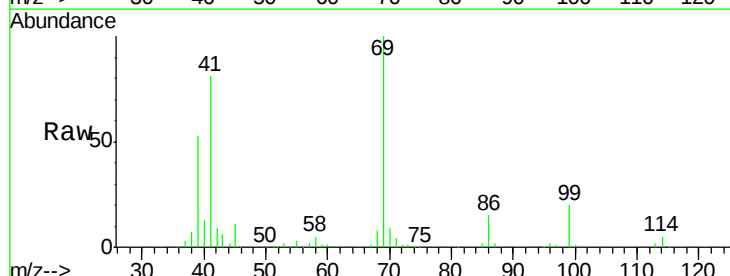
Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Tgt Ion: 69 Resp: 340651

Ion	Ratio	Lower	Upper
69	100		
41	81.4	67.6	101.4
39	52.7	42.2	63.2

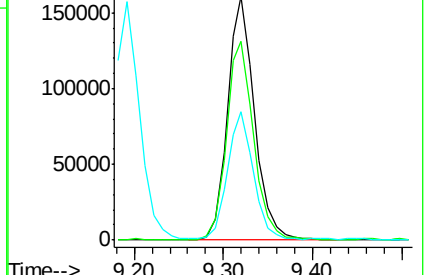
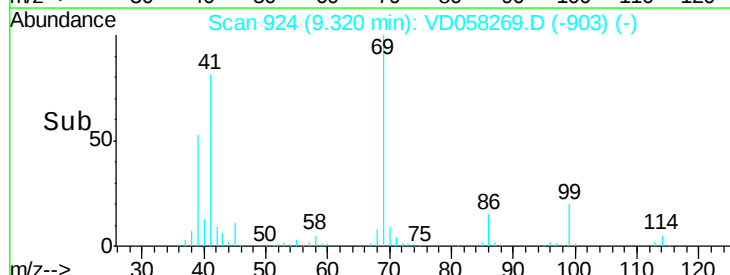


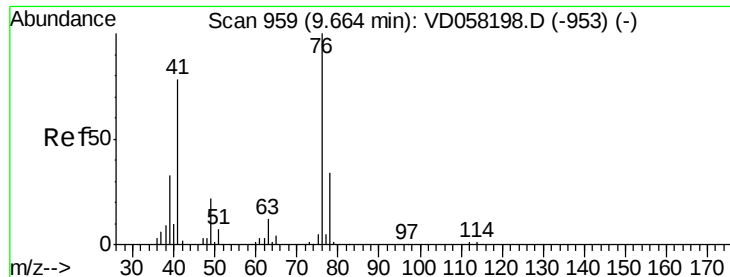
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 50.86 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

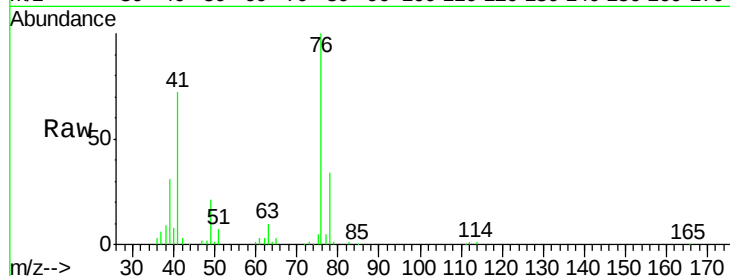
VSTDCCC050

Tot Ion: 76 Resp: 472691

Ion Ratio Lower Upper

76 100

78 33.7 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

200000

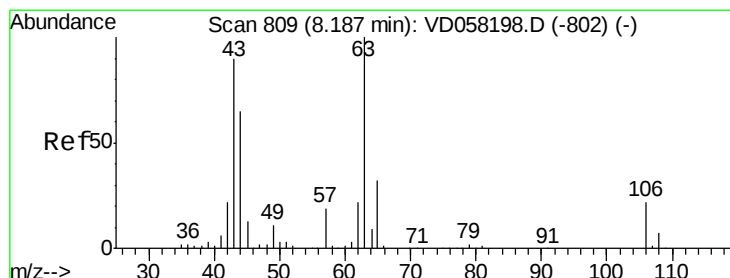
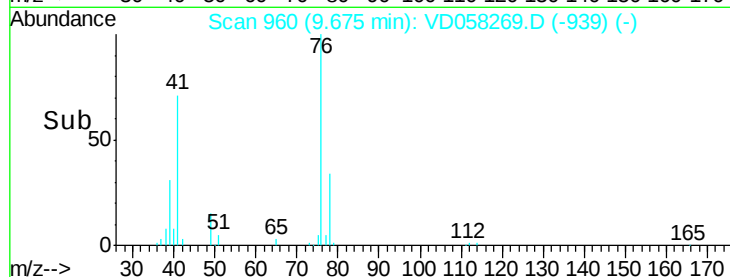
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.07 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058269.D

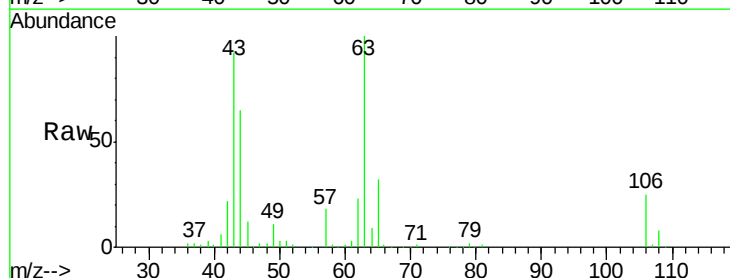
Acq: 22 Jun 2018 00:34

Tgt Ion: 63 Resp: 803775

Ion Ratio Lower Upper

63 100

106 25.2 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.20

400000

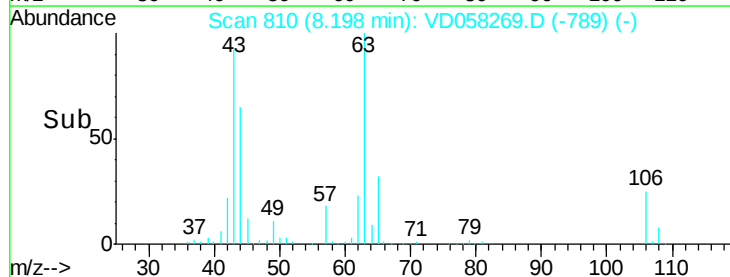
300000

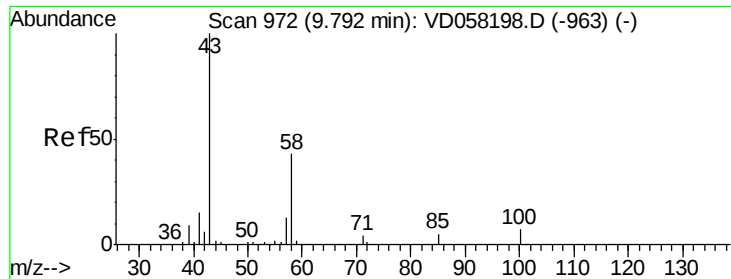
200000

100000

0

Time-->

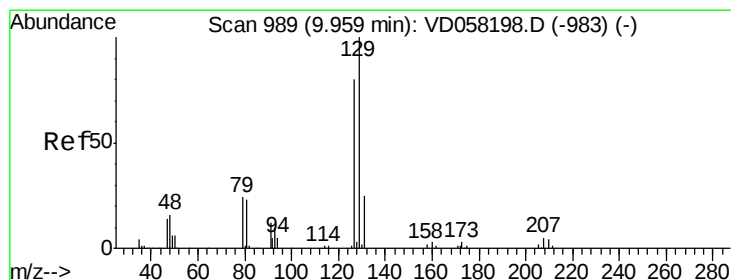
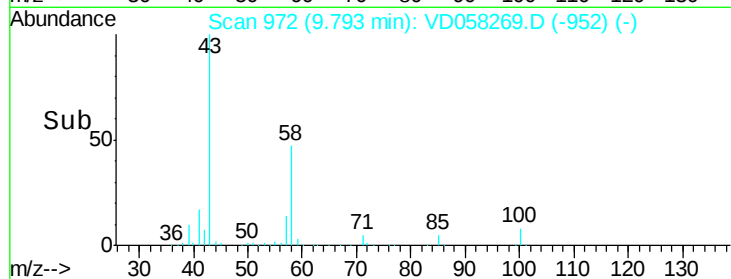
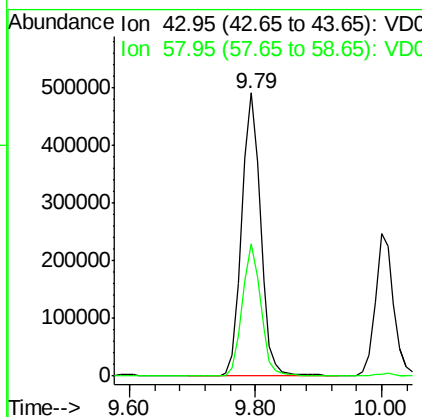
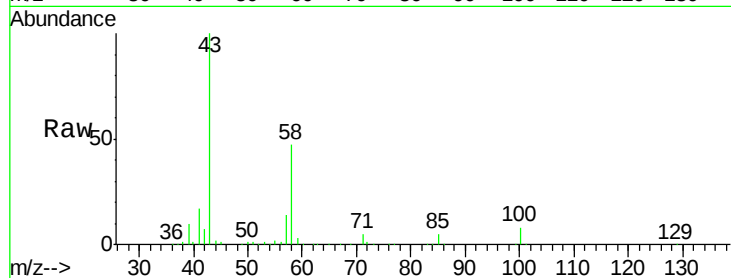




#59
2-Hexanone
Concen: 245.65 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

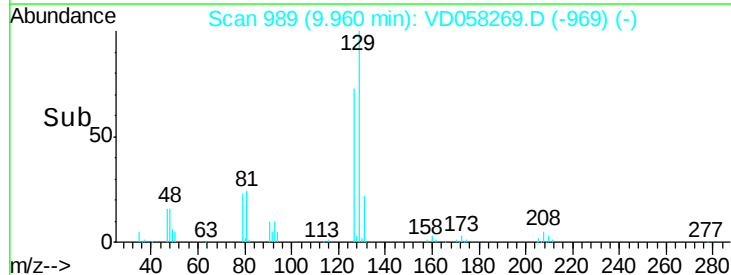
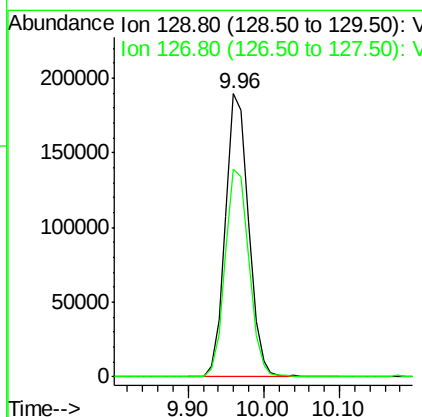
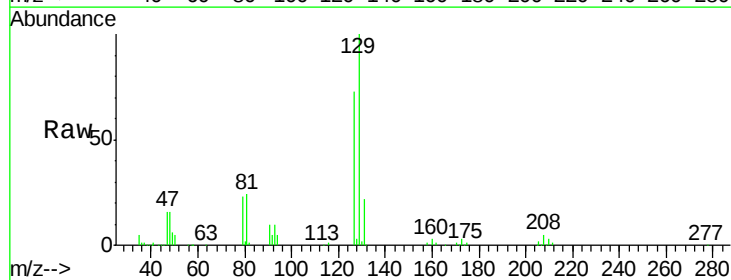
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1011129
Ion Ratio Lower Upper
43 100
58 46.9 21.7 65.1



#60
Dibromochloromethane
Concen: 53.68 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion: 129 Resp: 401905
Ion Ratio Lower Upper
129 100
127 73.3 39.8 119.4





#61

1,2-Dibromoethane

Concen: 52.25 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

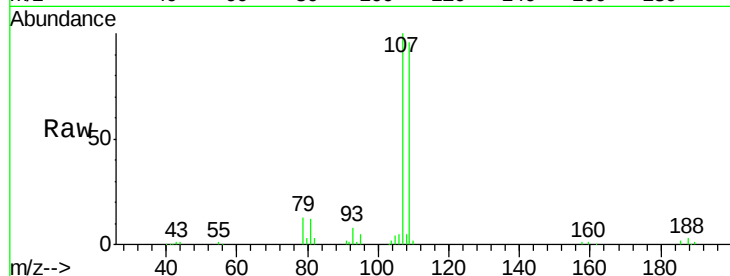
VSTDCCC050

Tot Ion:107 Resp: 315530

Ion Ratio Lower Upper

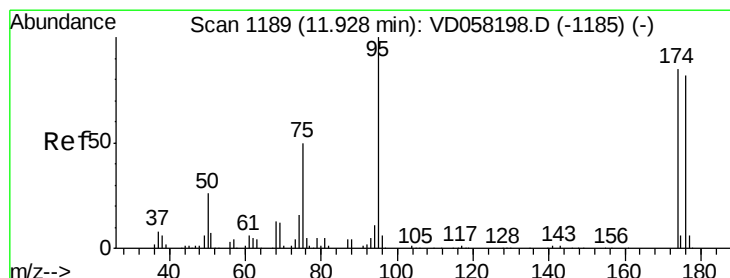
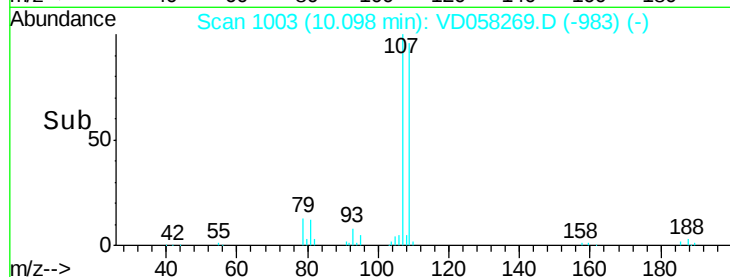
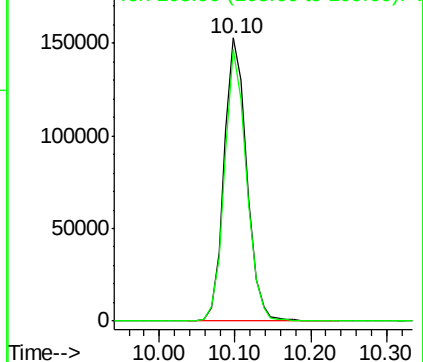
107 100

109 96.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.25 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

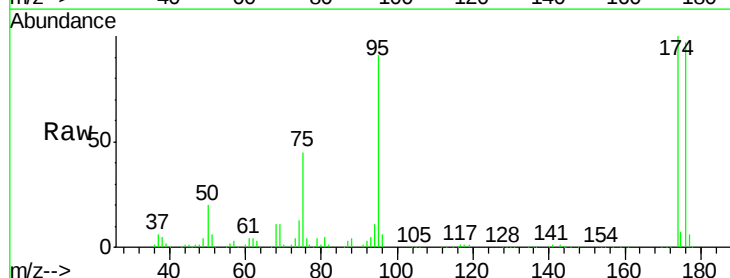
Tgt Ion: 95 Resp: 495001

Ion Ratio Lower Upper

95 100

174 109.4 0.0 170.2

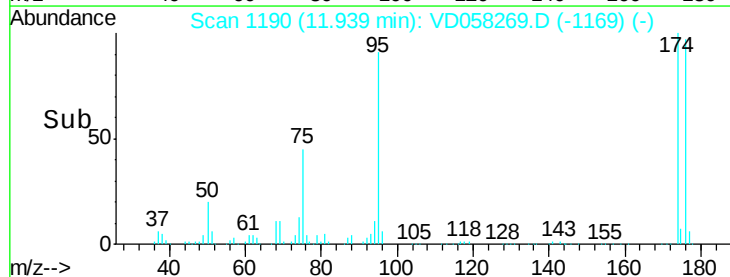
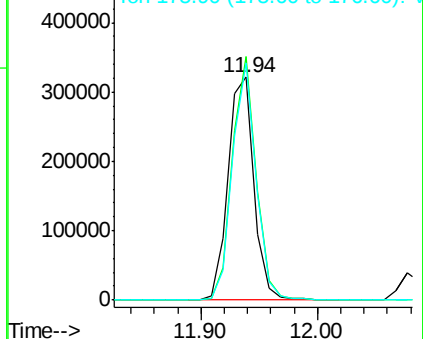
176 106.6 0.0 164.6

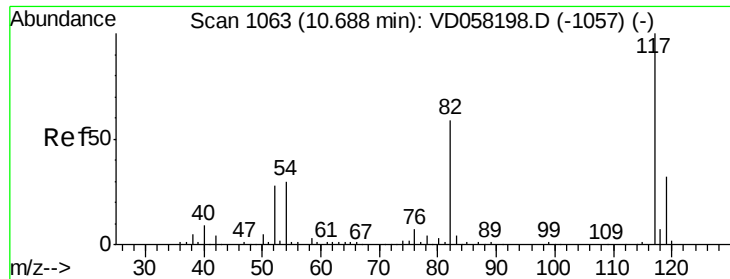


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

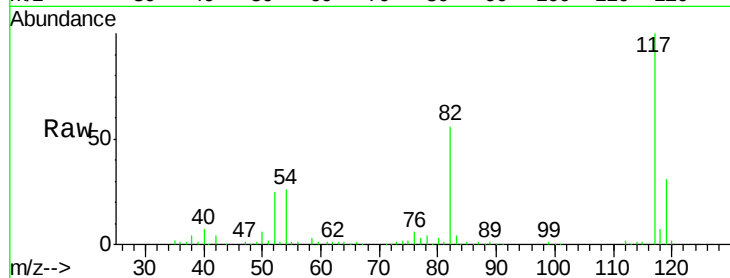




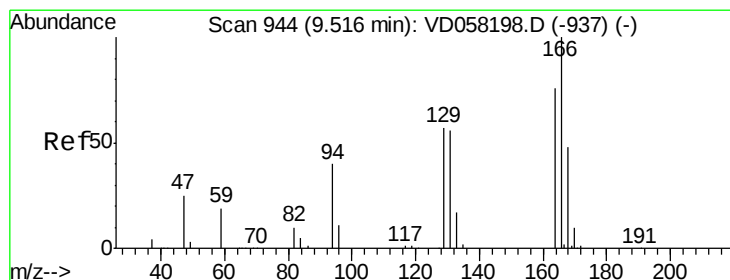
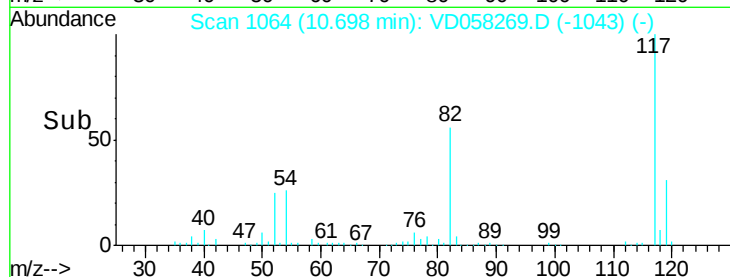
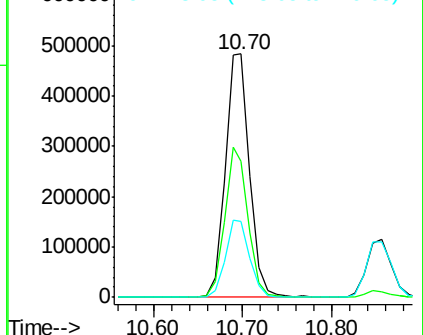
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 924708
Ion Ratio Lower Upper
117 100
82 56.0 47.0 70.6
119 31.1 25.3 37.9

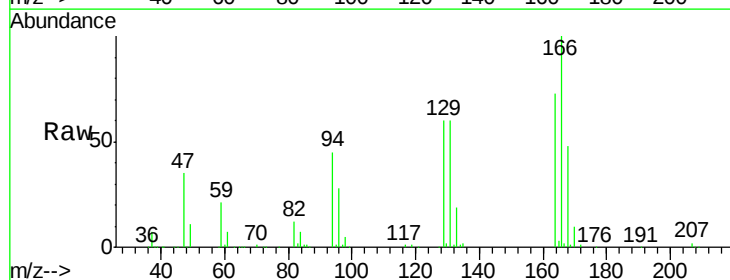


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

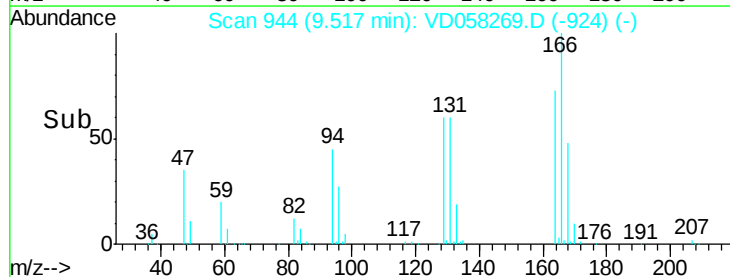
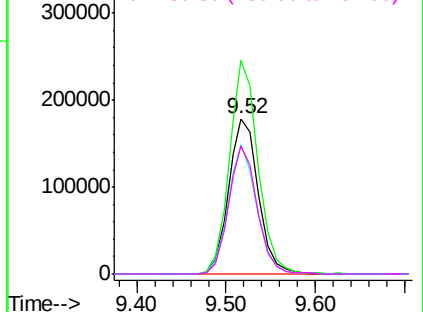


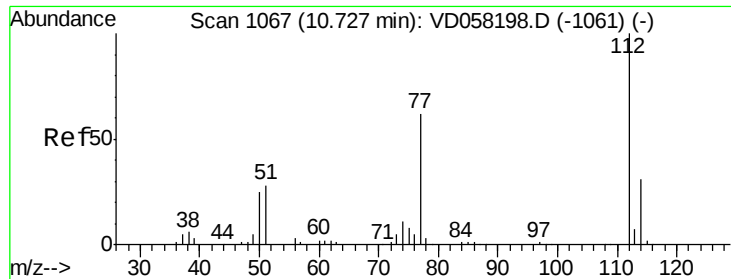
#64
Tetrachloroethene
Concen: 53.29 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion:164 Resp: 414663
Ion Ratio Lower Upper
164 100
166 137.8 105.4 158.0
129 83.3 59.6 89.4
131 83.0 59.4 89.2



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

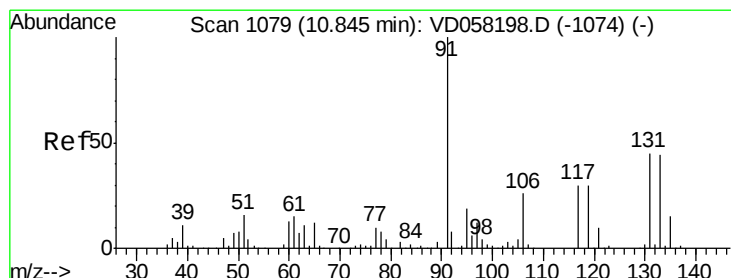
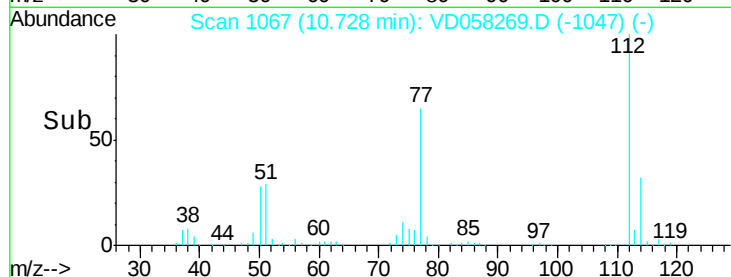
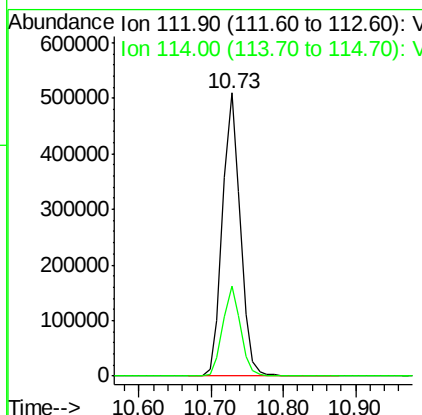
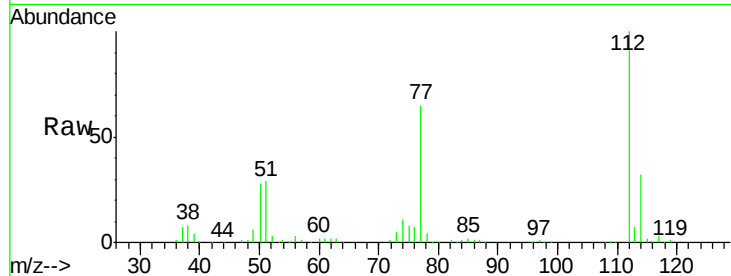




#65
Chlorobenzene
Concen: 50.25 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

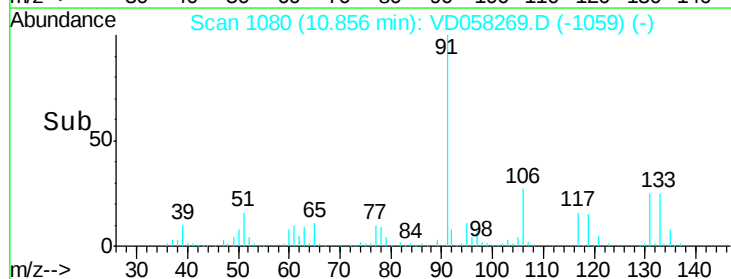
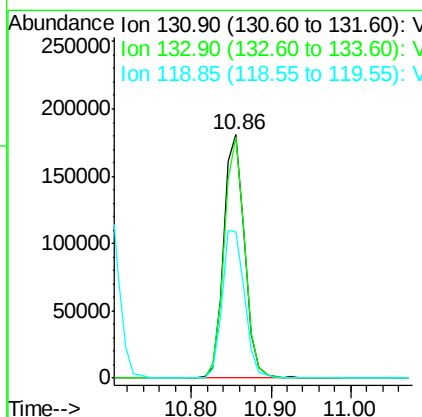
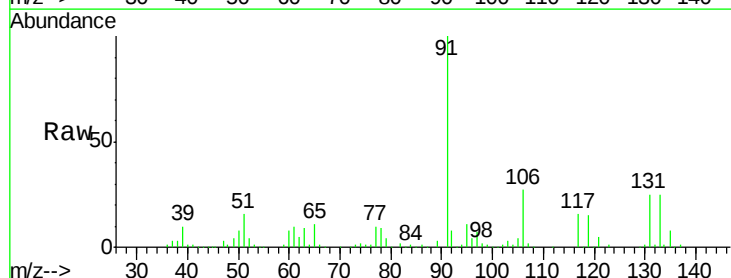
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

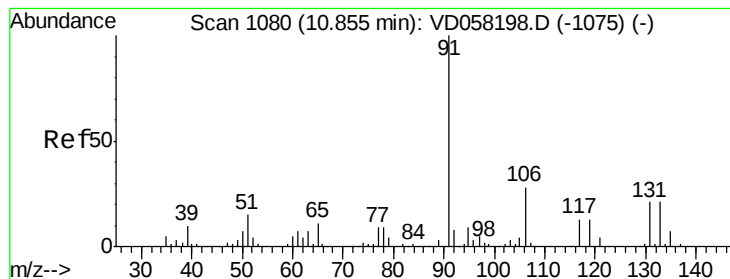
Tot Ion:112 Resp: 869265
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.22 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion:131 Resp: 335252
Ion Ratio Lower Upper
131 100
133 99.0 48.6 145.9
119 60.3 33.0 99.0





#67

Ethyl Benzene

Concen: 48.28 ug/l

RT: 10.87 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

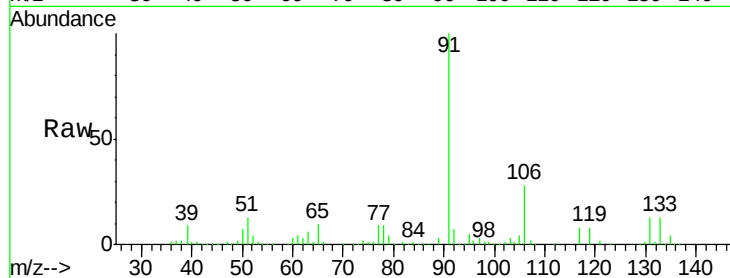
VSTDCCC050

Tot Ion: 91 Resp: 1474281

Ion Ratio Lower Upper

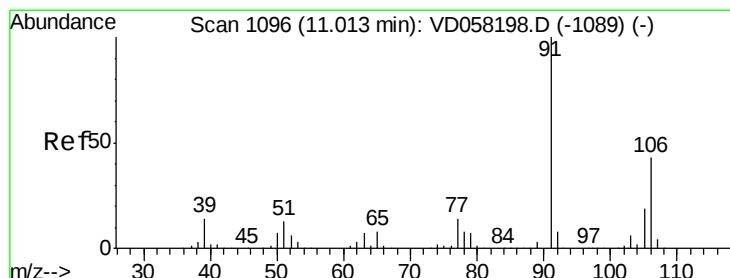
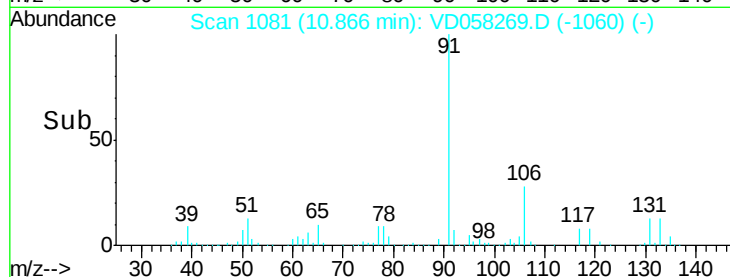
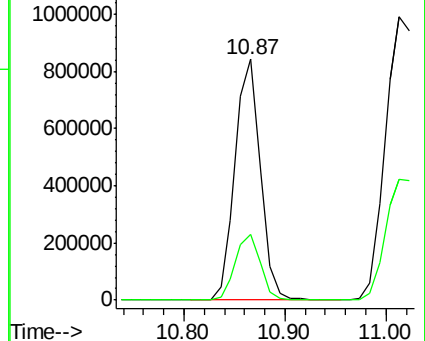
91 100

106 27.6 22.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 94.99 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD058269.D

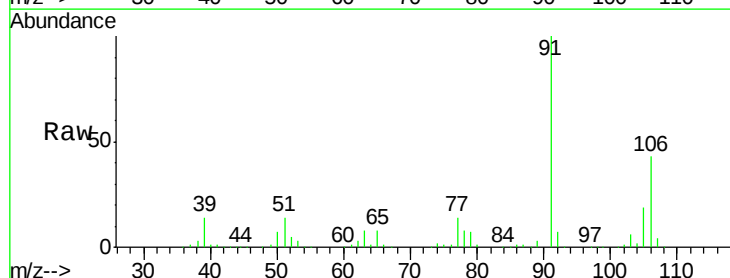
Acq: 22 Jun 2018 00:34

Tgt Ion: 106 Resp: 967298

Ion Ratio Lower Upper

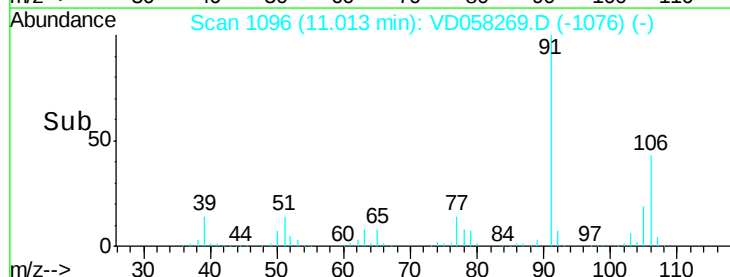
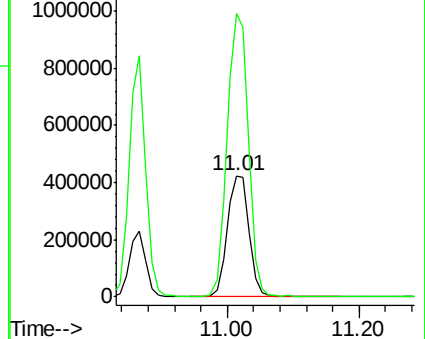
106 100

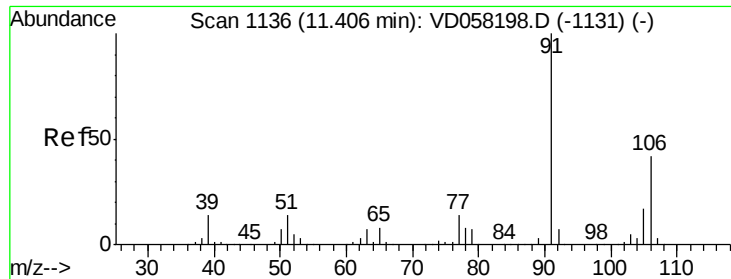
91 233.6 185.0 277.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

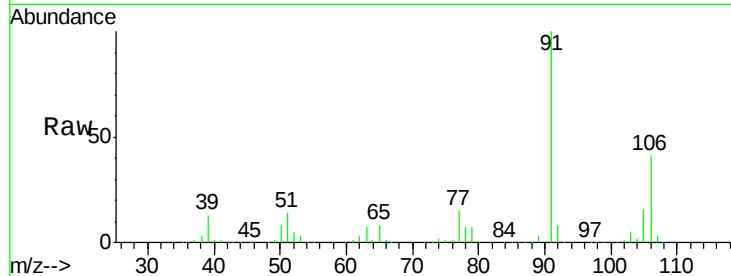




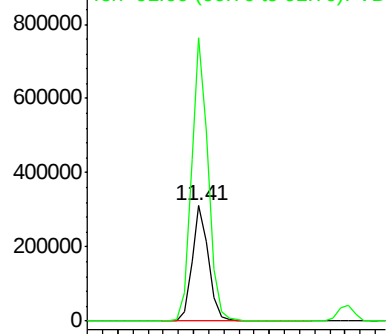
#69
o-Xylene
Concen: 48.66 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

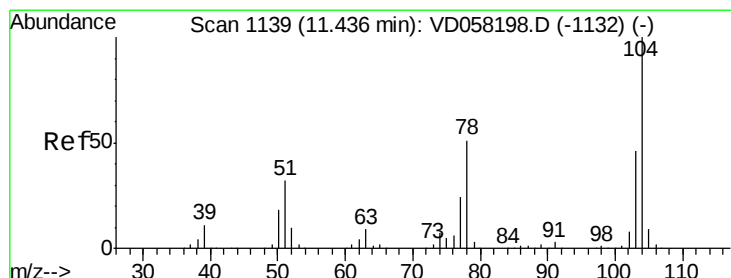
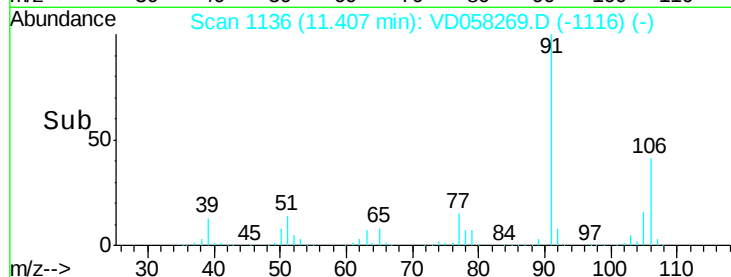
Tot Ion:106 Resp: 473284
Ion Ratio Lower Upper
106 100
91 245.1 120.2 360.6



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

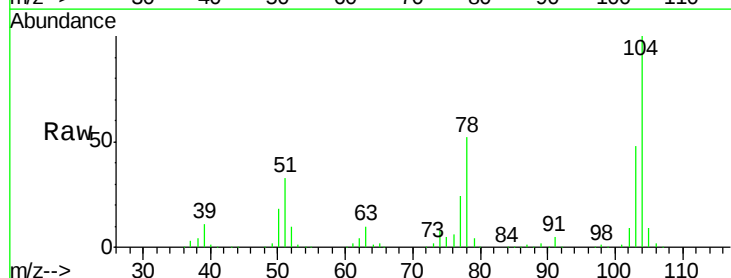


Time--> 11.30 11.40 11.50 11.60

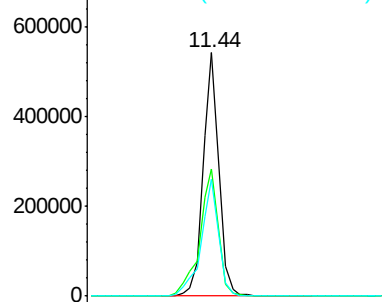


#70
Styrene
Concen: 49.06 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

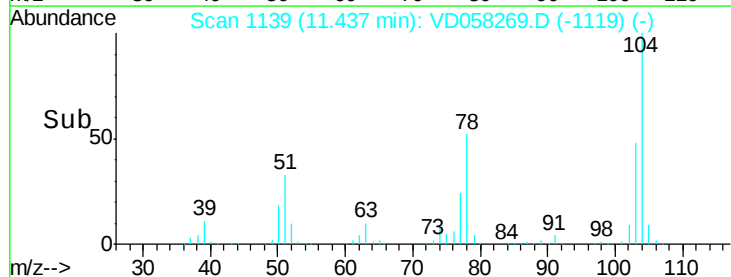
Tgt Ion:104 Resp: 814323
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 48.2 37.0 55.6

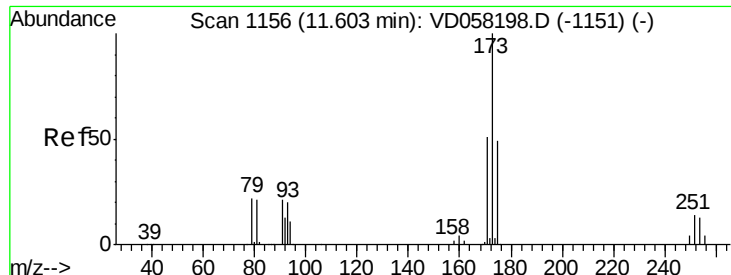


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time--> 11.30 11.40 11.50 11.60

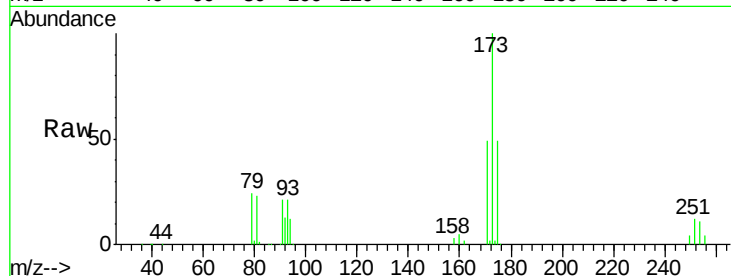




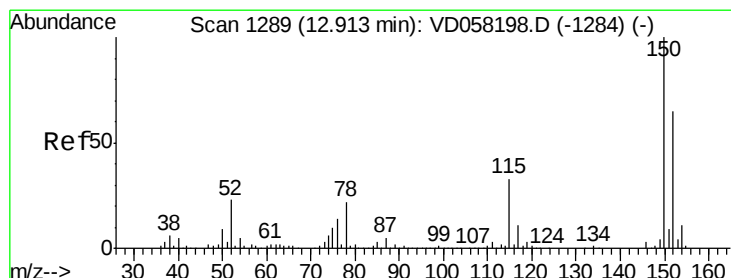
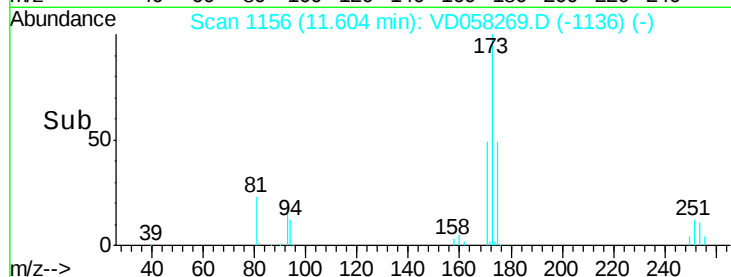
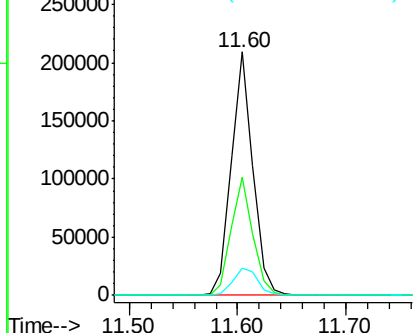
#71
Bromoform
Concen: 54.44 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 289864
Ion Ratio Lower Upper
173 100
175 48.7 24.6 74.0
254 11.4 10.3 15.5

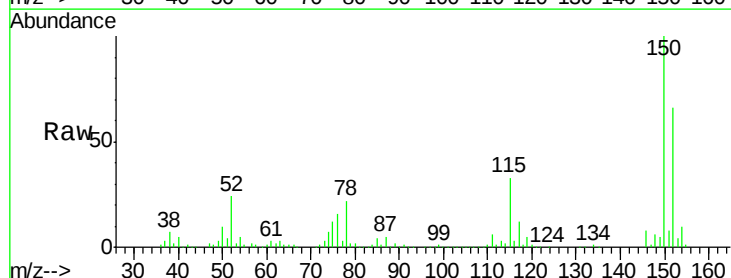


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

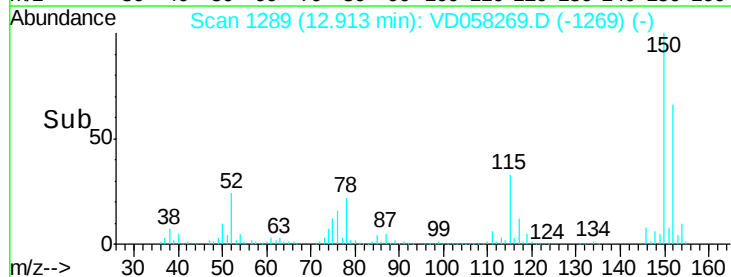
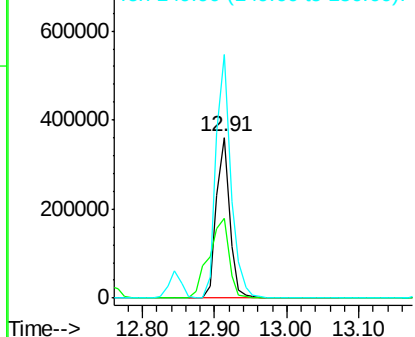


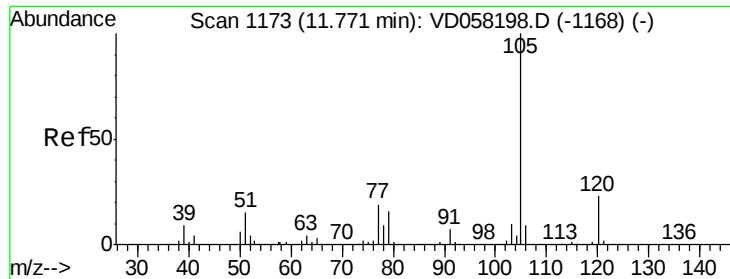
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion:152 Resp: 454116
Ion Ratio Lower Upper
152 100
115 49.9 25.1 75.3
150 151.4 0.0 308.8



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





#73

Isopropylbenzene

Concen: 51.35 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

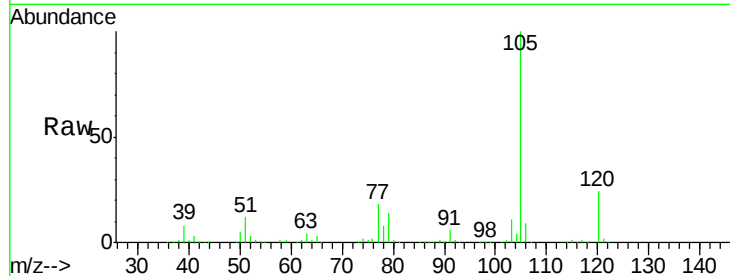
VSTDCCC050

Tot Ion: 105 Resp: 1394867

Ion Ratio Lower Upper

105 100

120 23.6 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

800000

600000

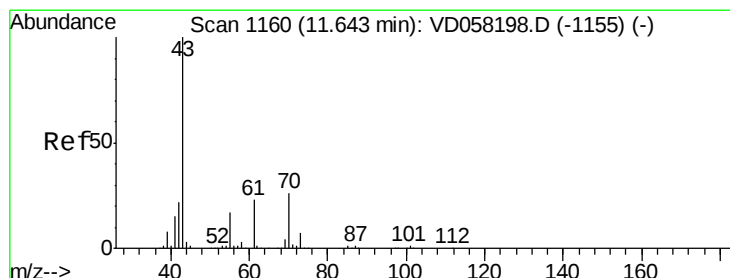
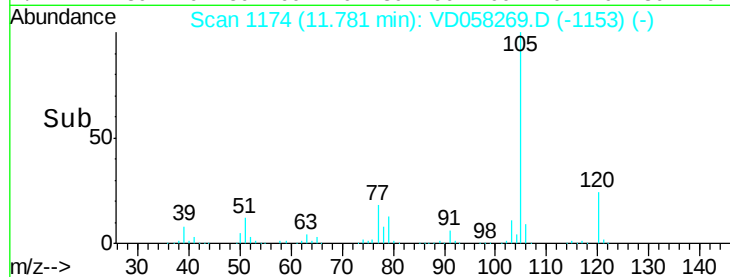
400000

200000

0

11.70 11.80 11.90

Time-->



#74

N-ethyl acetate

Concen: 50.77 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Tgt Ion: 43 Resp: 533185

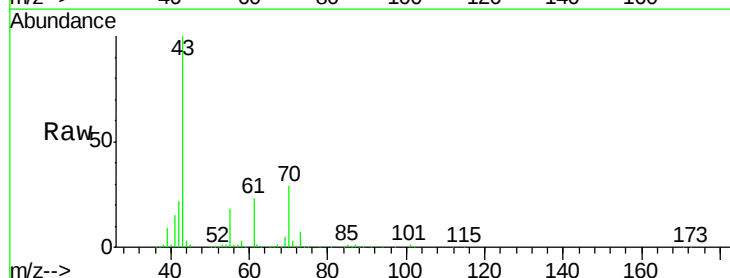
Ion Ratio Lower Upper

43 100

70 28.8 20.9 31.3

55 17.7 13.5 20.3

61 22.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

300000

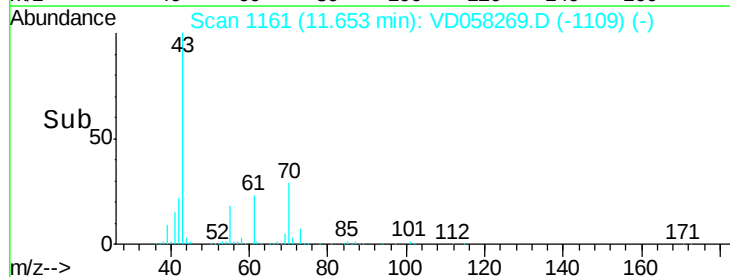
200000

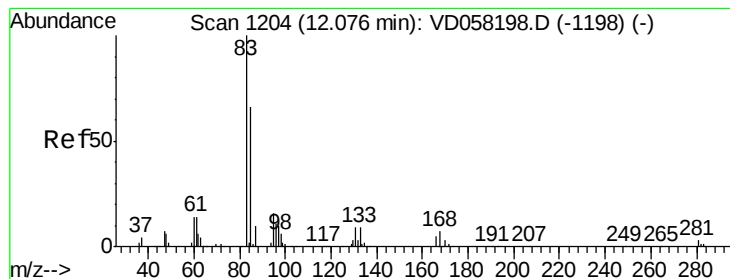
100000

0

11.60 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.61 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

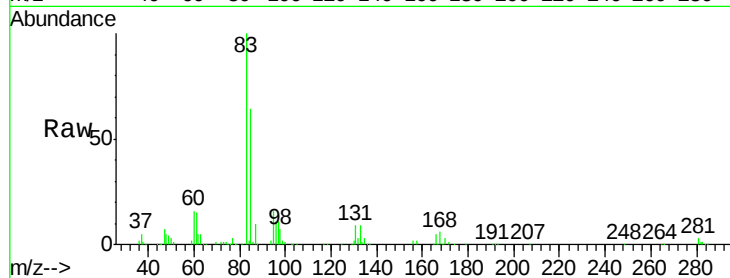
Tot Ion: 83 Resp: 345195

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.8	14.3
85	64.5	33.1	99.5

83 100

131 8.5 4.8 14.3

85 64.5 33.1 99.5



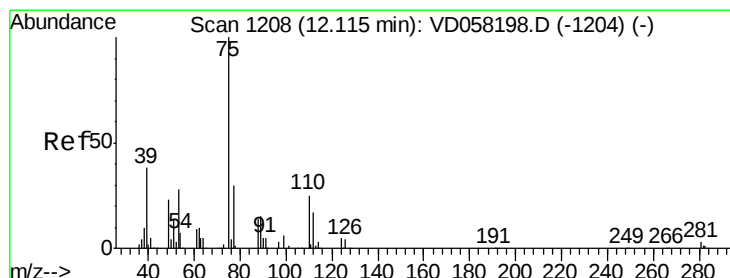
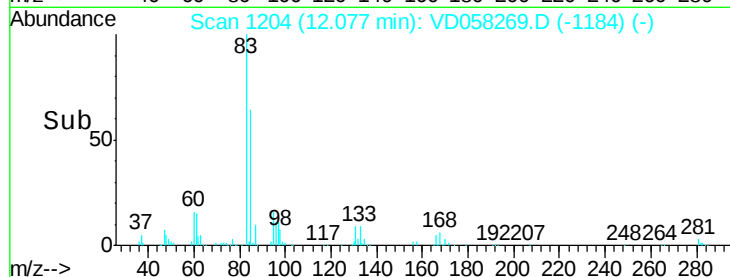
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 52.37 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058269.D

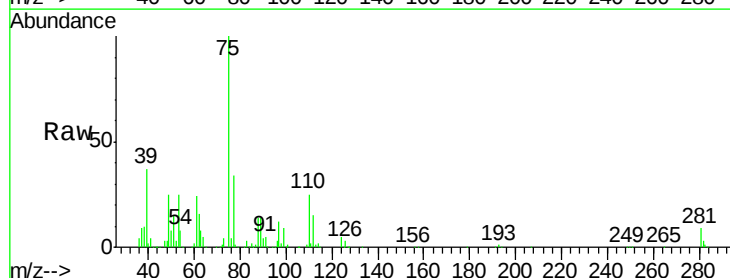
Acq: 22 Jun 2018 00:34

Tgt Ion: 75 Resp: 347198

Ion	Ratio	Lower	Upper
75	100		
77	34.1	16.0	47.9

75 100

77 34.1 16.0 47.9

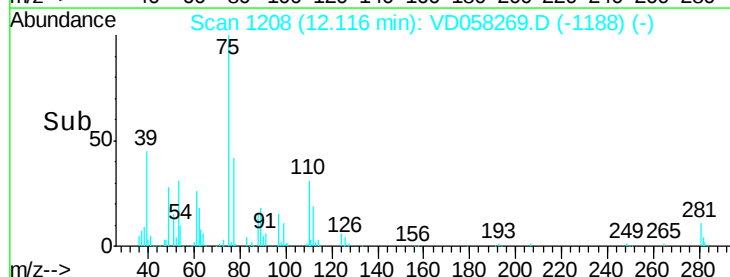


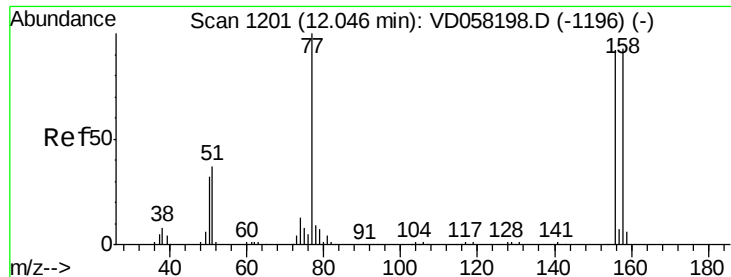
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.12

Time-->

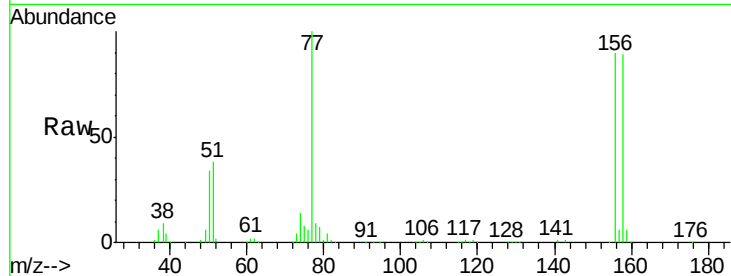




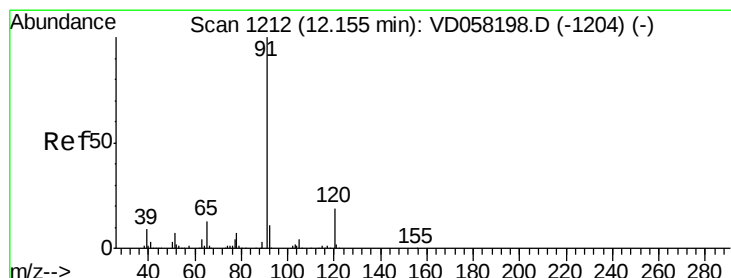
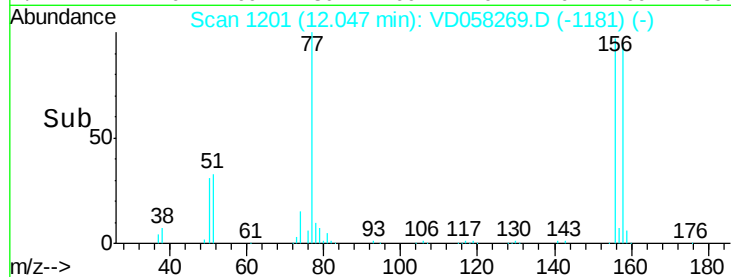
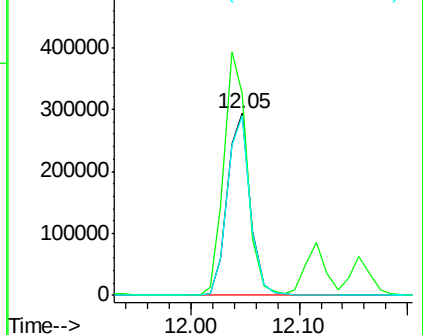
#77
Bromobenzene
Concen: 53.30 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 433533
Ion Ratio Lower Upper
156 100
77 110.7 54.5 163.6
158 98.7 50.8 152.5

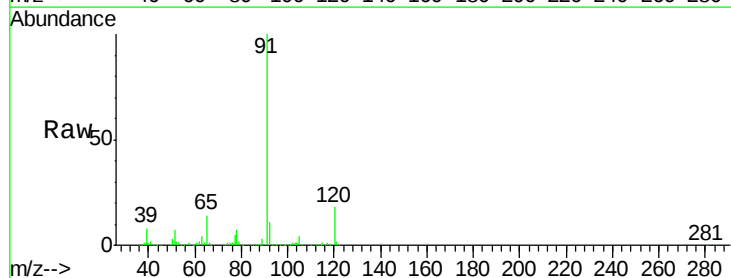


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

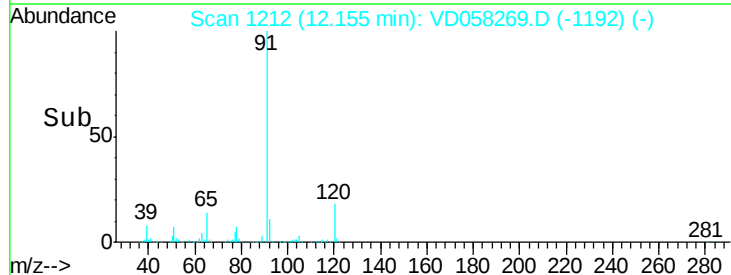
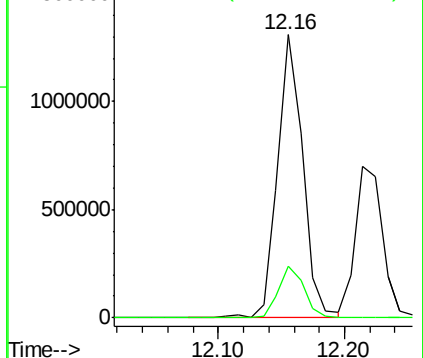


#78
n-propylbenzene
Concen: 51.96 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion: 91 Resp: 1822765
Ion Ratio Lower Upper
91 100
120 18.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.16 ug/l

RT: 12.21 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

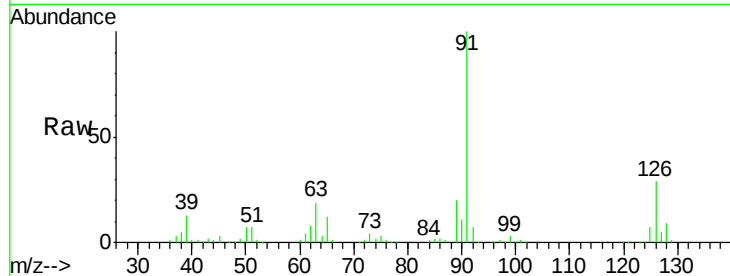
VSTDCCC050

Tot Ion: 91 Resp: 1047095

Ion Ratio Lower Upper

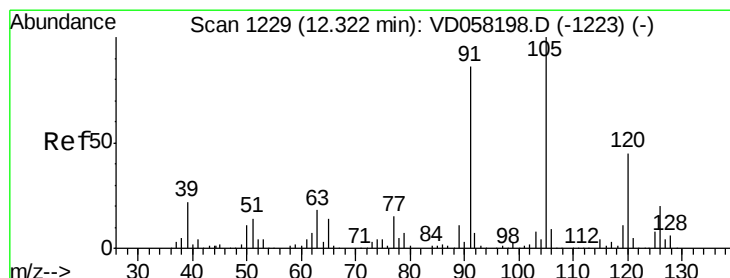
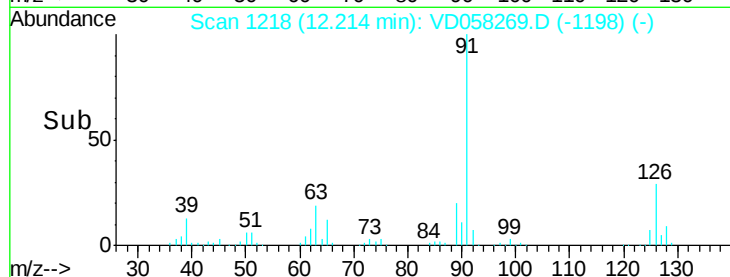
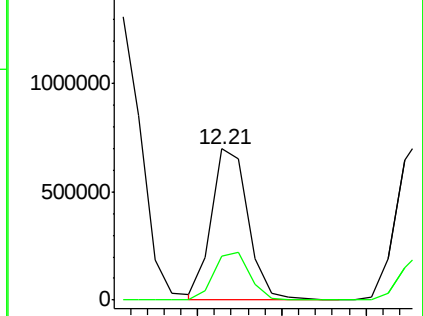
91 100

126 29.0 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.66 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058269.D

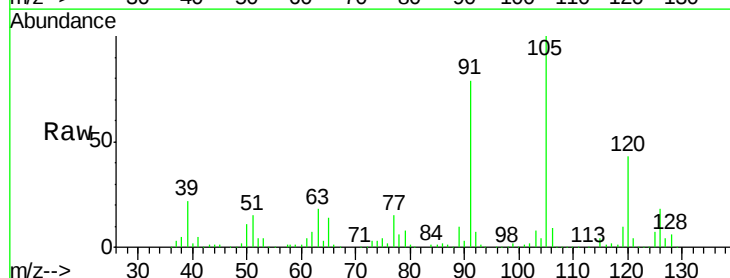
Acq: 22 Jun 2018 00:34

Tgt Ion: 105 Resp: 1073341

Ion Ratio Lower Upper

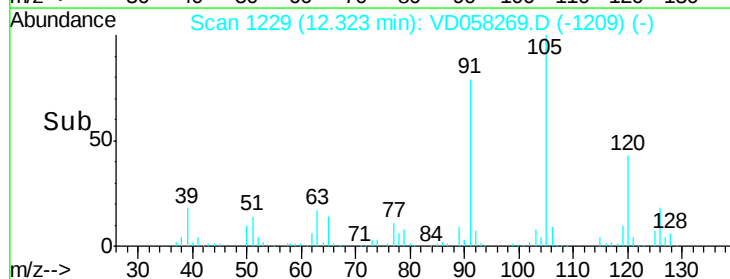
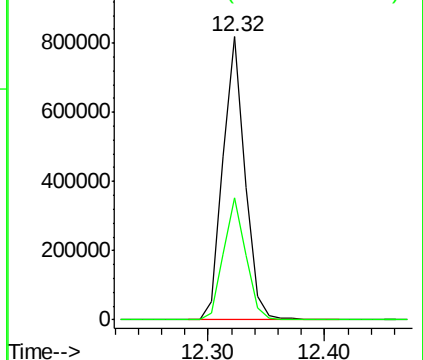
105 100

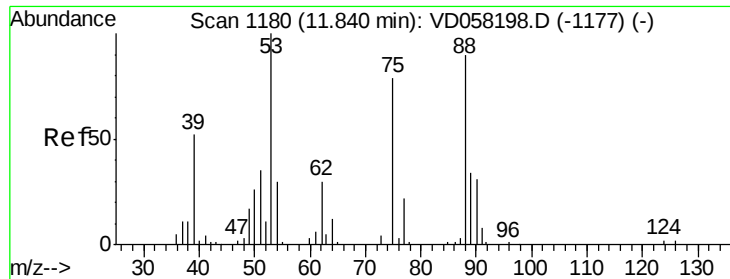
120 43.3 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.84 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

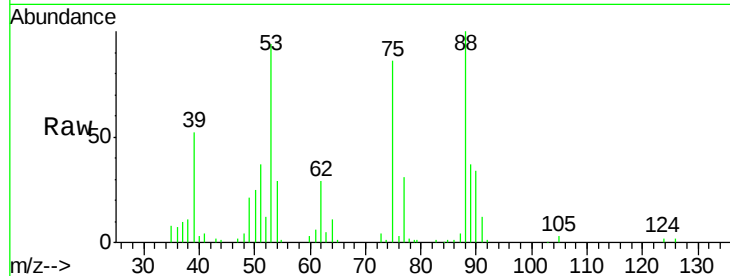
Tot Ion: 75 Resp: 78985

Ion Ratio Lower Upper

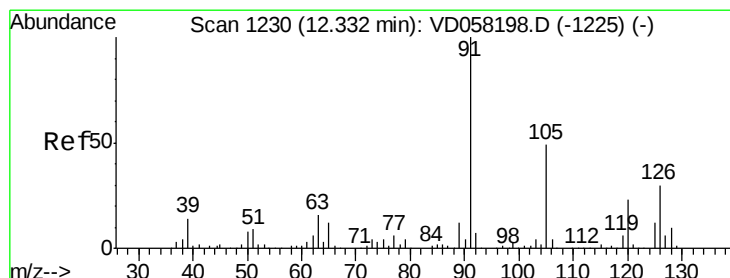
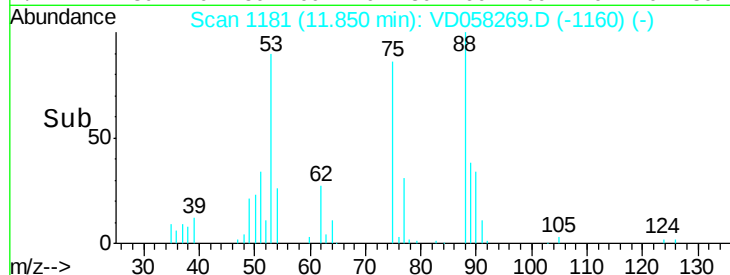
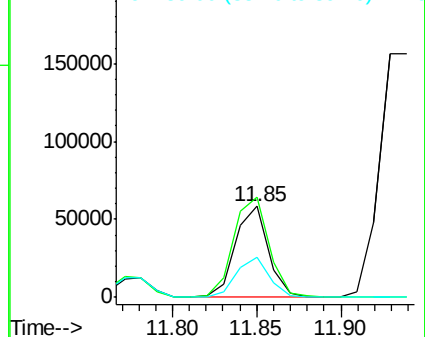
75 100

53 109.5 100.8 151.2

89 43.5 34.6 52.0



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



#82

4-Chlorotoluene

Concen: 58.68 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058269.D

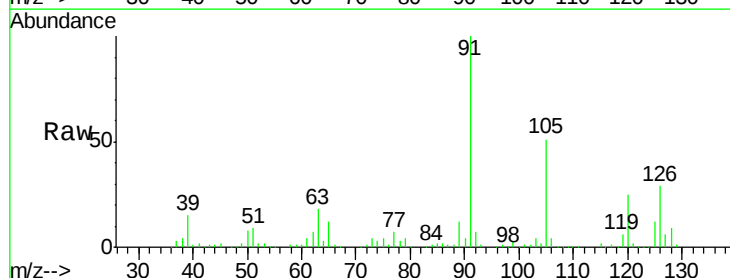
Acq: 22 Jun 2018 00:34

Tgt Ion: 91 Resp: 1129367

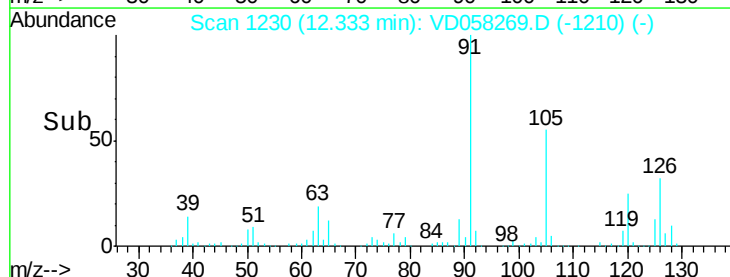
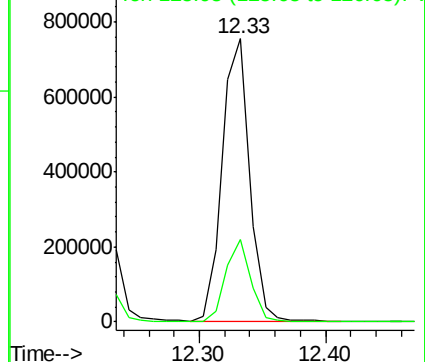
Ion Ratio Lower Upper

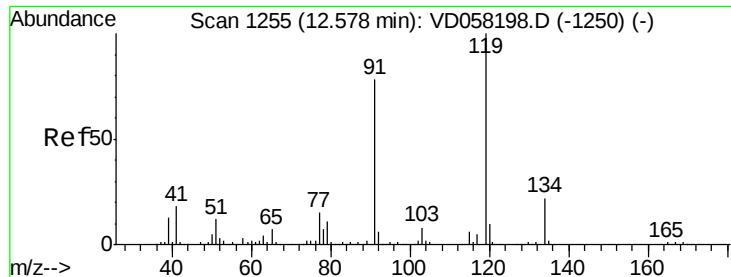
91 100

126 28.9 14.9 44.9



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

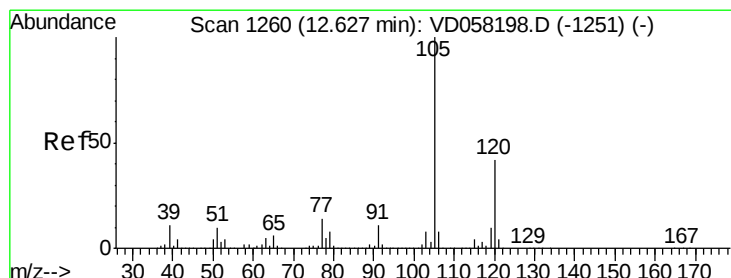
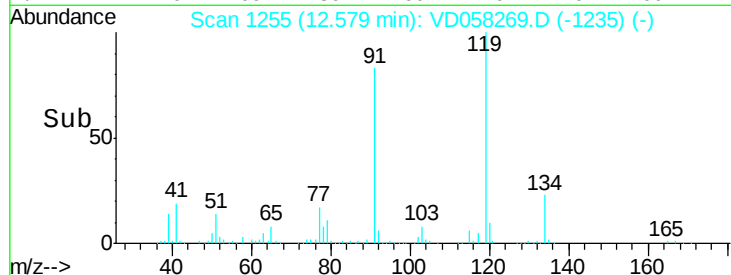
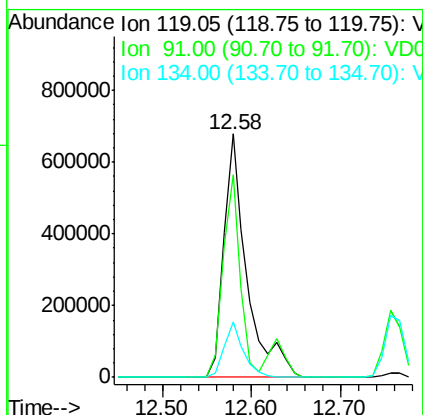
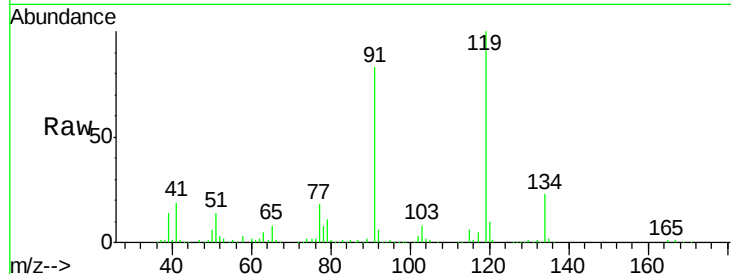




#83
 tert-Butylbenzene
 Concen: 50.79 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

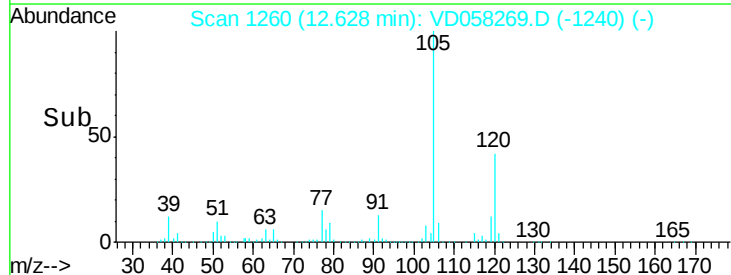
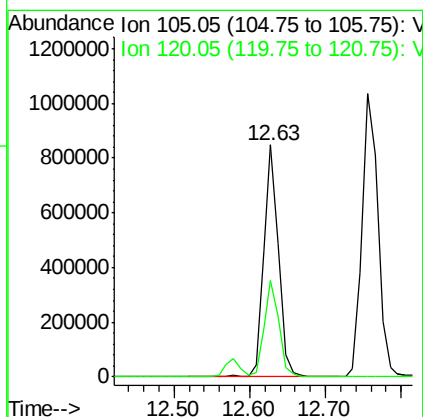
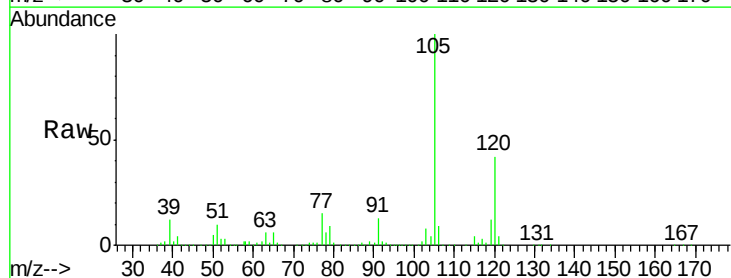
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

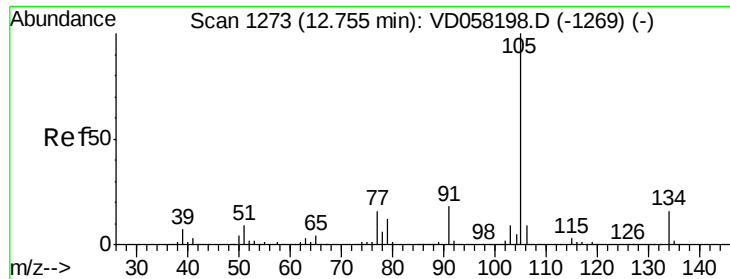
Tot Ion:119 Resp: 1237076
 Ion Ratio Lower Upper
 119 100
 91 83.3 38.9 116.6
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 50.67 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Tgt Ion:105 Resp: 1167004
 Ion Ratio Lower Upper
 105 100
 120 41.6 20.8 62.4





#85

sec-Butylbenzene

Concen: 51.89 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

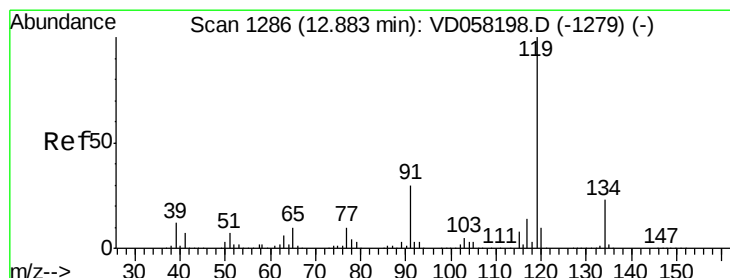
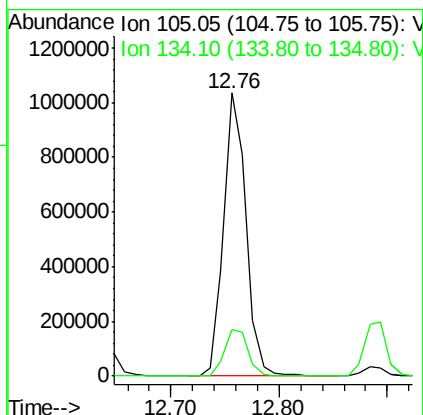
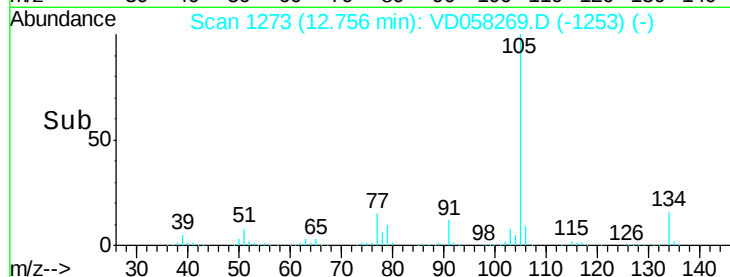
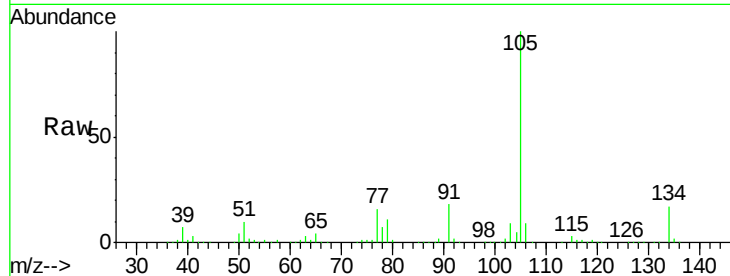
VSTDCCC050

Tot Ion:105 Resp: 1481626

Ion Ratio Lower Upper

105 100

134 16.6 8.1 24.3



#86

p-Isopropyltoluene

Concen: 51.93 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

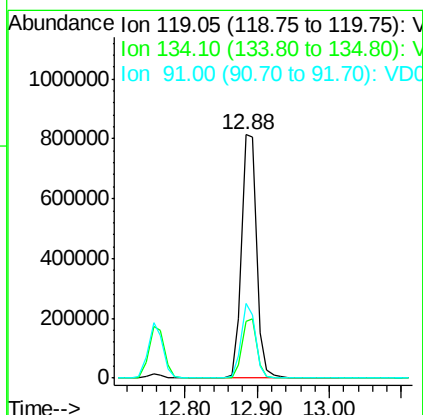
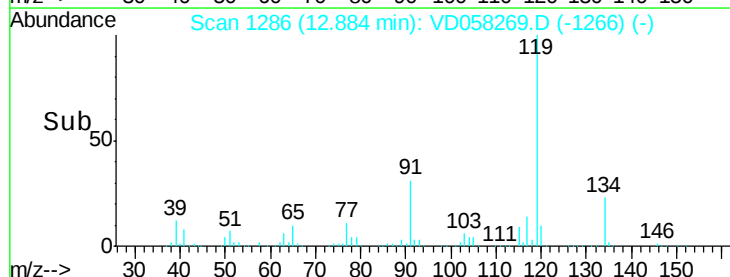
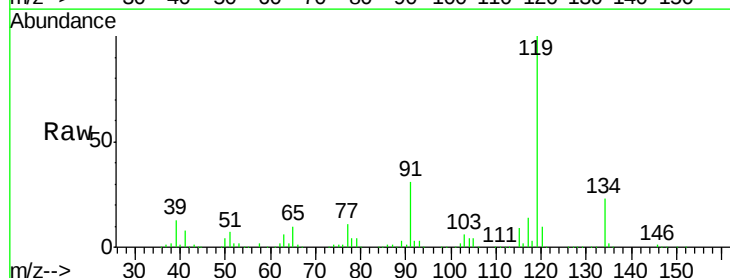
Tgt Ion:119 Resp: 1201557

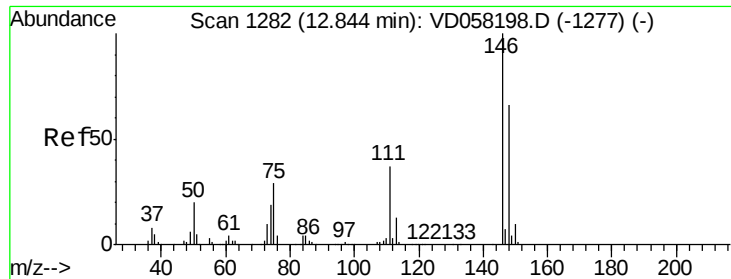
Ion Ratio Lower Upper

119 100

134 23.3 11.6 34.8

91 30.8 15.0 45.1

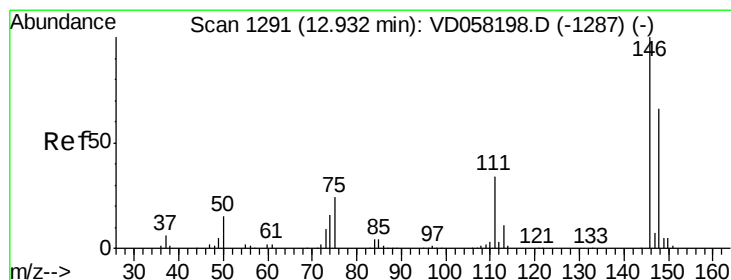
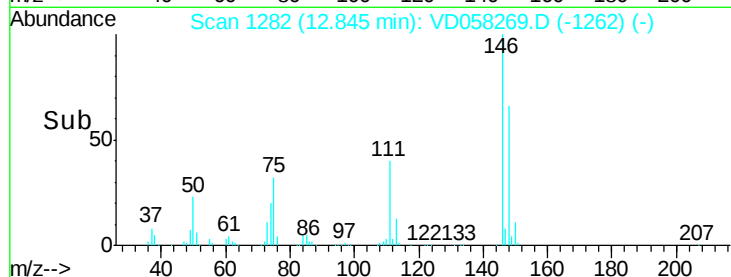
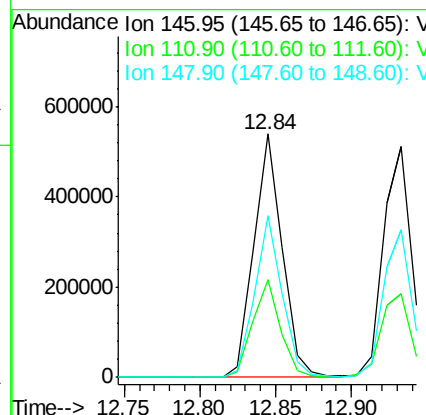
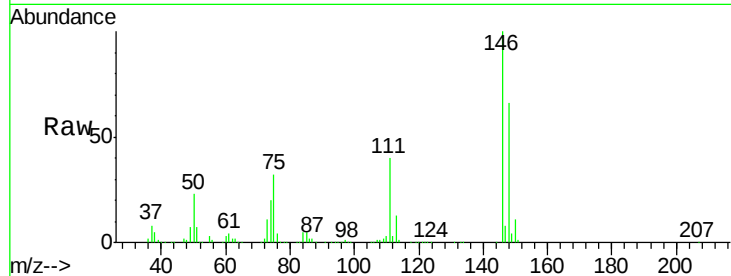




#87
 1,3-Dichlorobenzene
 Concen: 49.77 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

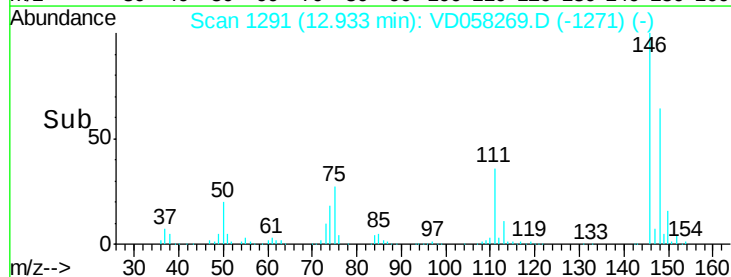
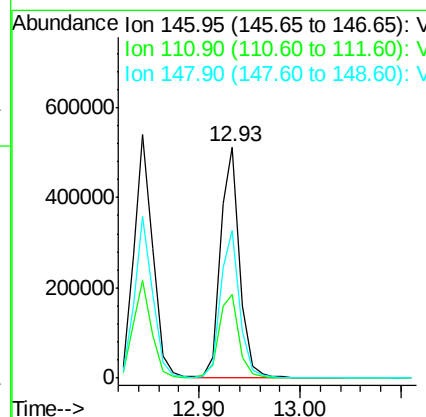
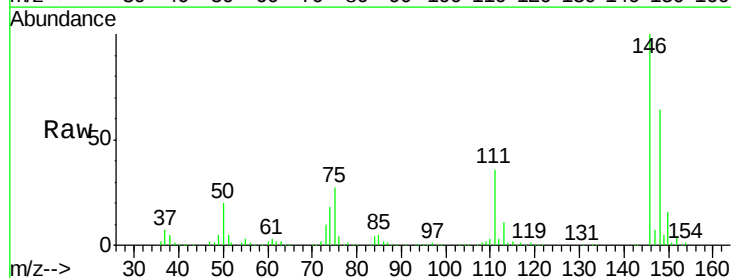
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

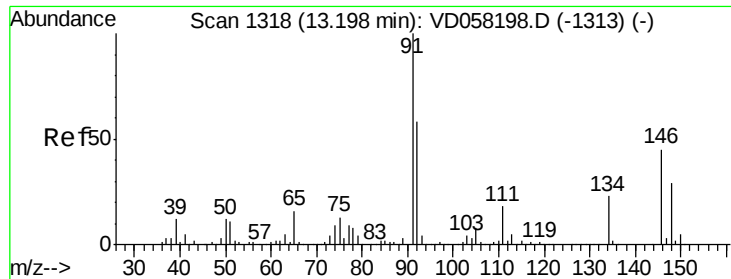
Tot Ion:146 Resp: 703588
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.4 55.0
 148 66.5 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 49.35 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Tgt Ion:146 Resp: 681332
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.2 51.5
 148 64.0 33.1 99.3

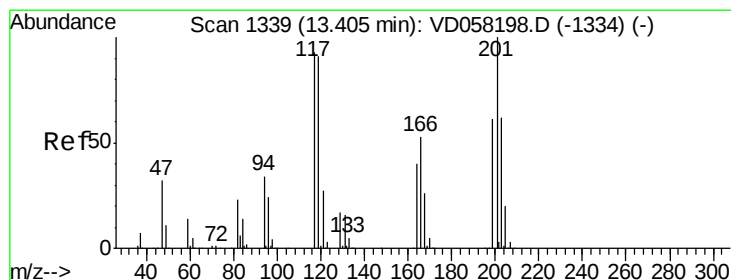
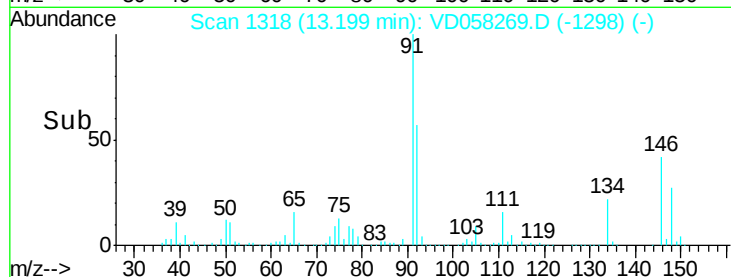
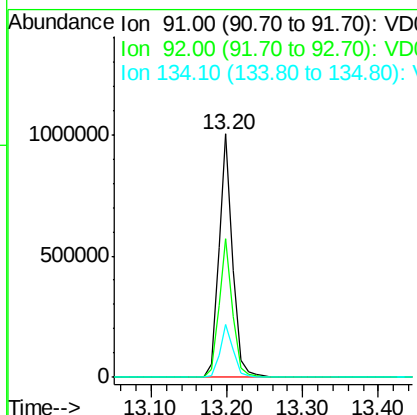
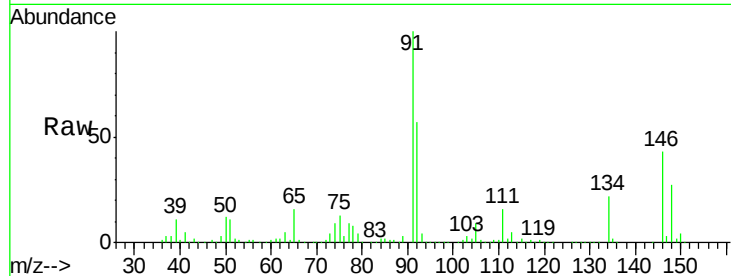




#89
n-Butylbenzene
Concen: 52.30 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

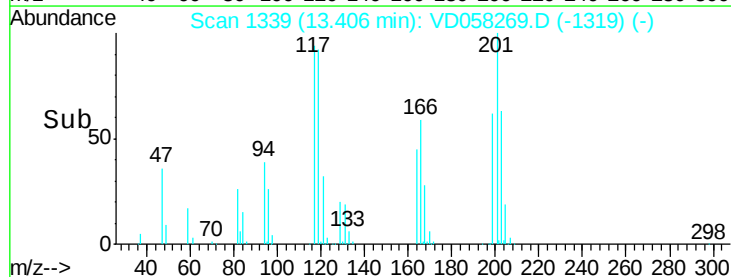
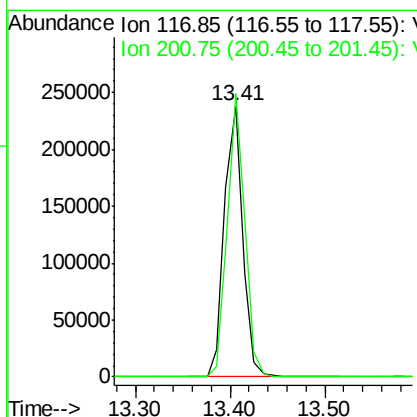
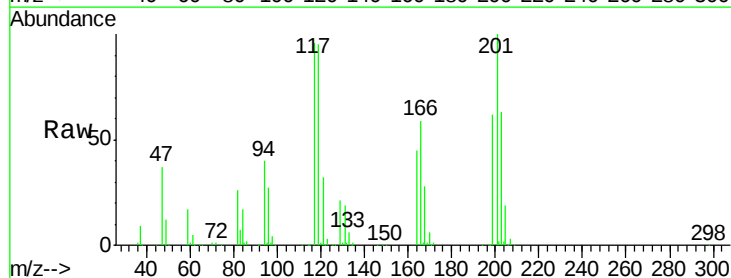
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

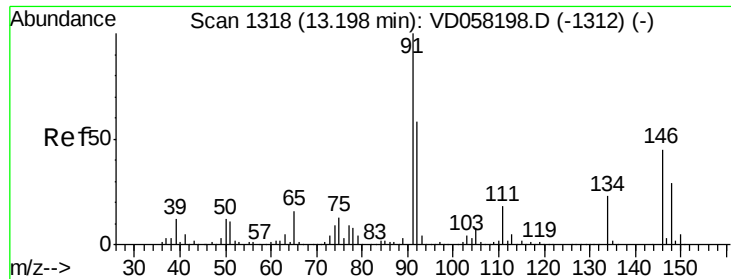
Tot Ion: 91 Resp: 1271660
Ion Ratio Lower Upper
91 100
92 57.1 29.2 87.6
134 21.8 11.3 33.8



#90
Hexachloroethane
Concen: 53.06 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Tgt Ion: 117 Resp: 318656
Ion Ratio Lower Upper
117 100
201 104.4 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 50.88 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

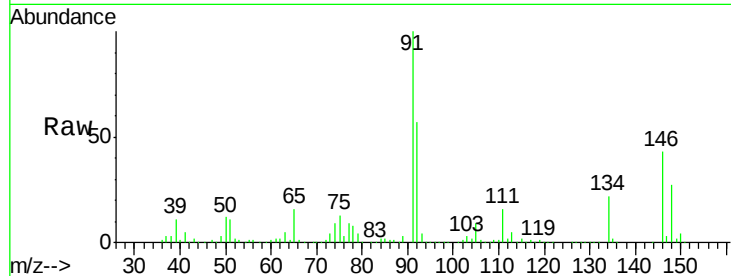
Tot Ion:146 Resp: 612154

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.7

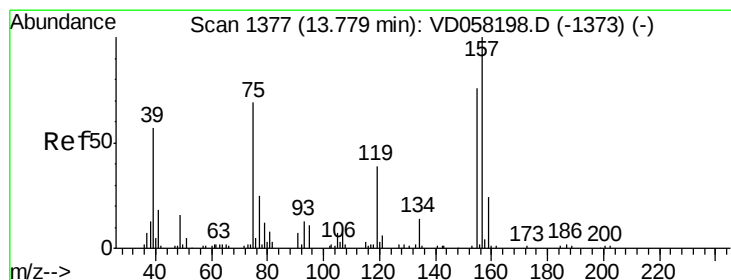
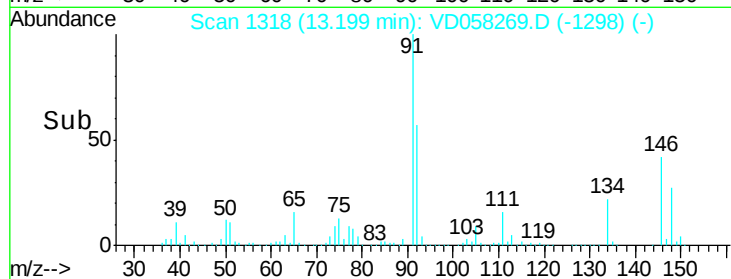
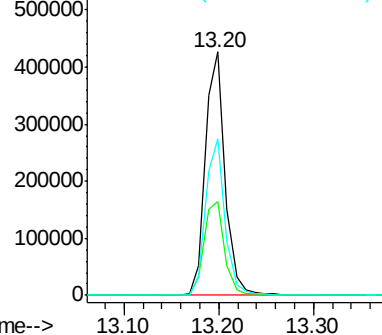
148 64.1 32.0 96.2



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: 55.95 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

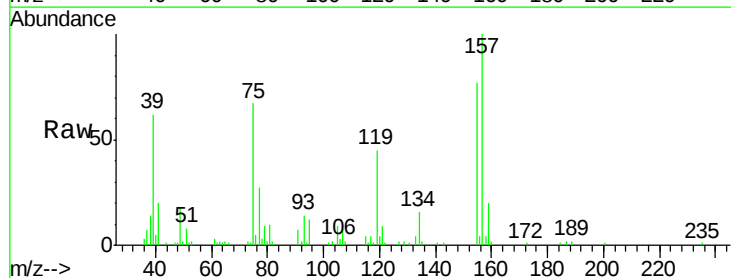
Tgt Ion: 75 Resp: 56285

Ion Ratio Lower Upper

75 100

155 114.6 54.5 163.5

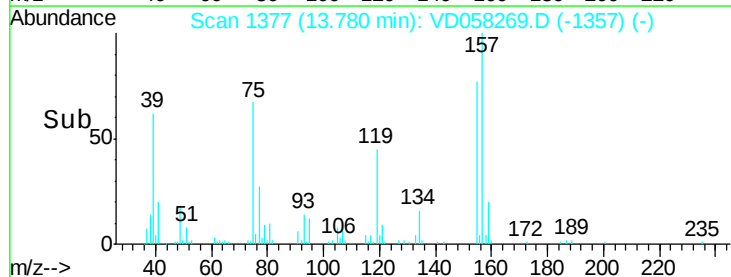
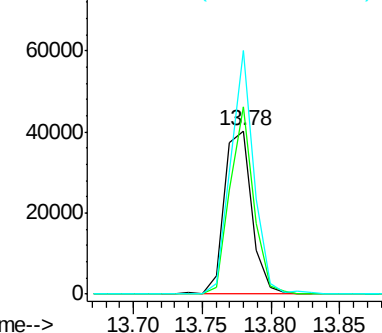
157 149.2 72.0 215.9



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

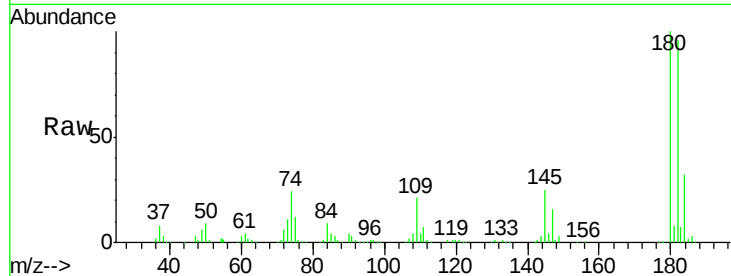




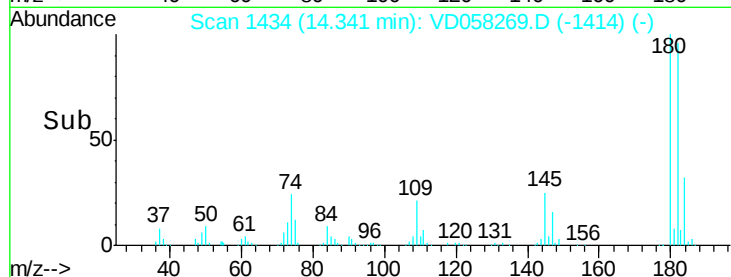
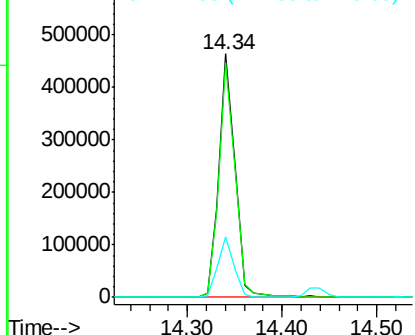
#93
 1,2,4-Trichlorobenzene
 Concen: 47.90 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 551184
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.1 141.3
 145 24.8 11.7 35.0

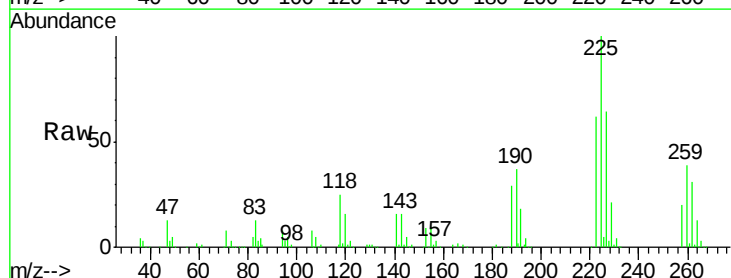


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

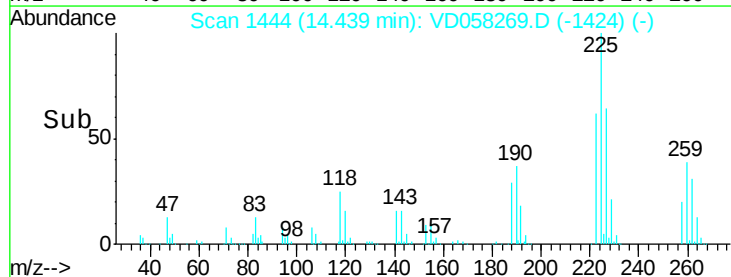
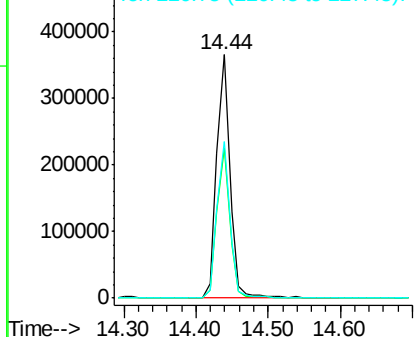


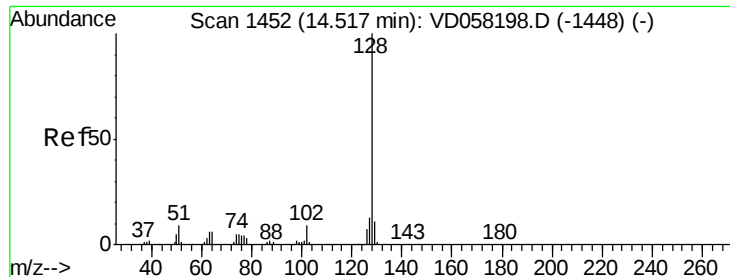
#94
 Hexachlorobutadiene
 Concen: 51.52 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Tgt Ion:225 Resp: 463698
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.1 90.3
 227 64.2 33.0 98.9



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: 51.34 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

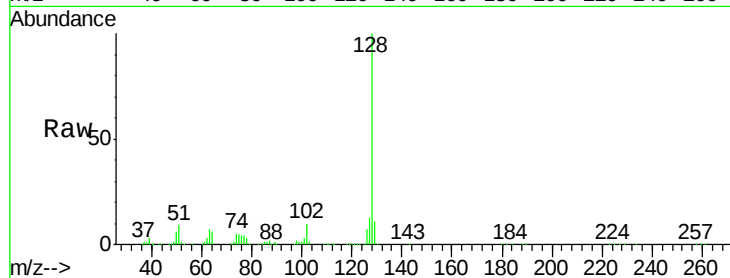
Tot Ion:128 Resp: 778178

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

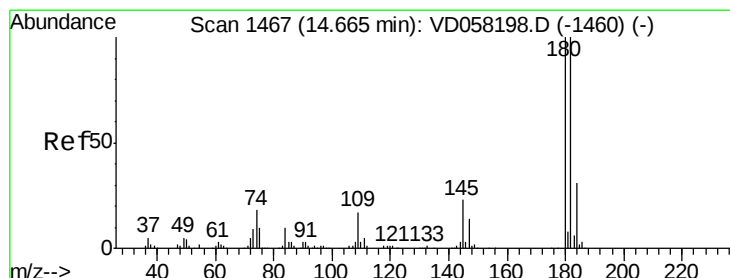
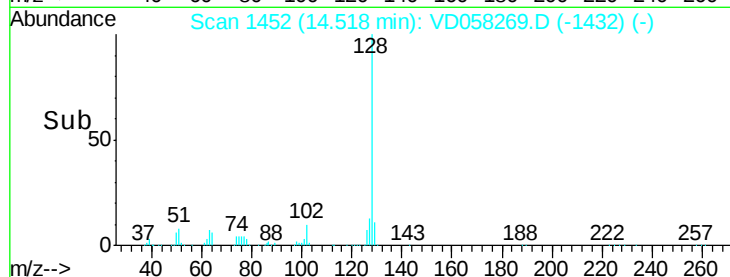
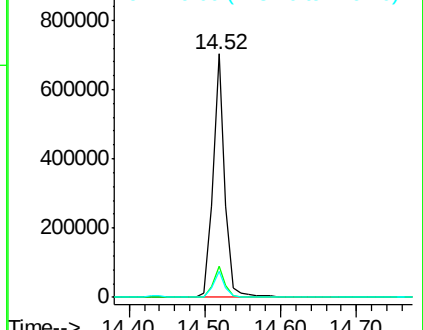
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.06 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

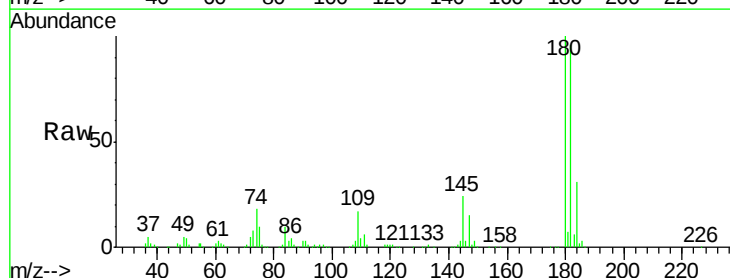
Tgt Ion:180 Resp: 524420

Ion Ratio Lower Upper

180 100

182 96.3 49.9 149.6

145 23.7 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

