

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			Recovery	=	116.00%	
35) Dibromofluoromethane	5.55	113	517402	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
50) Toluene-d8	8.71	98	1159706	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.94	95	495001	52.95	ug/l	0.01
Spiked Amount			Recovery	=	105.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	435625	53.448	ug/l	98
3) Chloromethane	1.48	50	190825	49.882	ug/l	100
4) Vinyl Chloride	1.55	62	204723	44.589	ug/l	100
5) Bromomethane	1.80	94	85896	57.189	ug/l	96
6) Chloroethane	1.89	64	99953	61.351	ug/l	100
7) Trichlorofluoromethane	2.08	101	341755	54.287	ug/l	95
8) Diethyl Ether	2.35	74	62957	47.281	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	199635	49.883	ug/l	95
10) Methyl Iodide	2.69	142	249256	54.754	ug/l	99
11) Tert butyl alcohol	3.28	59	66432	227.521	ug/l #	92
12) 1,1-Dichloroethene	2.55	96	145438	48.300	ug/l	97
13) Acrolein	2.47	56	21348	128.077	ug/l	89
14) Allyl chloride	2.92	41	339059	48.380	ug/l	98
15) Acrylonitrile	3.36	53	174970	226.000	ug/l	95
16) Acetone	2.62	43	267794	221.191	ug/l	96
17) Carbon Disulfide	2.75	76	456499	44.560	ug/l	99
18) Methyl Acetate	2.94	43	122014	47.255	ug/l	97
19) Methyl tert-butyl Ether	3.42	73	596310	74.665	ug/l	97
20) Methylene Chloride	3.07	84	159947	50.670	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	189077	57.455	ug/l	84
22) Diisopropyl ether	4.07	45	1338707	48.095	ug/l	91
23) Vinyl Acetate	4.02	43	3688024	247.171	ug/l	99
24) 1,1-Dichloroethane	3.97	63	782098	52.155	ug/l	98
25) 2-Butanone	4.85	43	646440	244.981	ug/l	100
26) 2,2-Dichloropropane	4.80	77	601935	47.939	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	434841	52.877	ug/l	95
28) Bromochloromethane	5.16	49	344312	51.220	ug/l #	94
29) Tetrahydrofuran	5.19	42	339682	241.846	ug/l	96
30) Chloroform	5.33	83	843906	53.307	ug/l	95
31) Cyclohexane	5.60	56	562408	51.850	ug/l	93
32) 1,1,1-Trichloroethane	5.52	97	693728	53.037	ug/l	99
36) 1,1-Dichloropropene	5.75	75	567275	49.342	ug/l	97
37) Ethyl Acetate	4.93	43	313521	47.863	ug/l	98
38) Carbon Tetrachloride	5.73	117	588120	51.484	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	556148	49.665	ug/l	98
40) Benzene	6.02	78	1326818	48.448	ug/l	99
41) Methacrylonitrile	5.14	41	172946	54.676	ug/l	96
42) 1,2-Dichloroethane	6.14	62	566701	51.319	ug/l	100
43) Isopropyl Acetate	7.63	43	433000	49.582	ug/l #	95
44) Trichloroethene	6.99	130	405985	49.368	ug/l	97
45) 1,2-Dichloropropane	7.35	63	375983	50.977	ug/l	97
46) Dibromomethane	7.47	93	262617	52.158	ug/l	90
47) Bromodichloromethane	7.75	83	608653	53.011	ug/l	98
48) Methyl methacrylate	7.51	41	262693	49.493	ug/l	99
49) 1,4-Dioxane	7.49	88	52116	1087.755	ug/l	93
51) 4-Methyl-2-Pentanone	8.60	43	1374952	241.375	ug/l	98
52) Toluene	8.81	92	702154	45.027	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	496716	49.759	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	576064	49.224	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	265818	48.179	ug/l	99
56) Ethyl methacrylate	9.32	69	340651	51.627	ug/l	98
57) 1,3-Dichloropropane	9.67	76	472691	50.862	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.20	63	803775	246.065	ug/l	94
59) 2-Hexanone	9.79	43	1011129	245.655	ug/l	95
60) Dibromochloromethane	9.96	129	401905	53.676	ug/l	93
61) 1,2-Dibromoethane	10.10	107	315530	52.252	ug/l	97
64) Tetrachloroethene	9.52	164	414663	53.294	ug/l	92
65) Chlorobenzene	10.73	112	869265	50.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	335252	50.224	ug/l	96
67) Ethyl Benzene	10.87	91	1474281	48.278	ug/l	100
68) m/p-Xylenes	11.01	106	967298	94.987	ug/l	99
69) o-Xylene	11.41	106	473284	48.660	ug/l	97
70) Styrene	11.44	104	814323	49.064	ug/l	98
71) Bromoform	11.60	173	289864	54.436	ug/l	98
73) Isopropylbenzene	11.78	105	1394867	51.352	ug/l	99
74) N-amyl acetate	11.65	43	533185	50.767	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	345195	54.610	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	347198	52.366	ug/l	96
77) Bromobenzene	12.05	156	433533	53.300	ug/l	98
78) n-propylbenzene	12.16	91	1822765	51.963	ug/l	98
79) 2-Chlorotoluene	12.21	91	1047095	52.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1073341	50.662	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	78985	48.845	ug/l	89
82) 4-Chlorotoluene	12.33	91	1129367	58.676	ug/l	98
83) tert-Butylbenzene	12.58	119	1237076	50.788	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	1167004	50.674	ug/l	100
85) sec-Butylbenzene	12.76	105	1481626	51.895	ug/l	99
86) p-Isopropyltoluene	12.88	119	1201557	51.933	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	703588	49.768	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	681332	49.352	ug/l	97
89) n-Butylbenzene	13.20	91	1271660	52.297	ug/l	98
90) Hexachloroethane	13.41	117	318656	53.064	ug/l	97
91) 1,2-Dichlorobenzene	13.20	146	612154	50.882	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	56285	55.949	ug/l	95

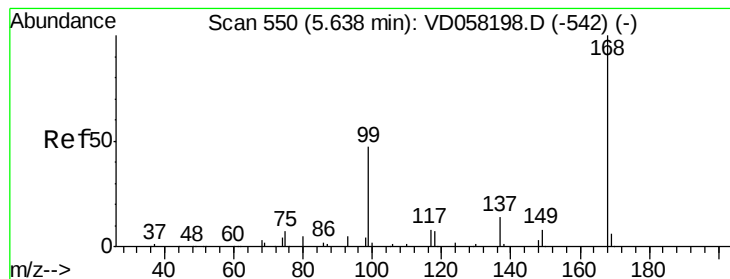
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	551184	47.902	ug/l	98
94) Hexachlorobutadiene	14.44	225	463698	51.522	ug/l	98
95) Naphthalene	14.52	128	778178	51.341	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	524420	52.060	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 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 :

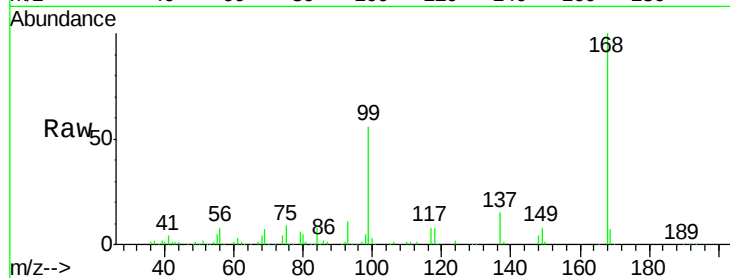
VSTDCCC050

Tot Ion:168 Resp: 876453

Ion Ratio Lower Upper

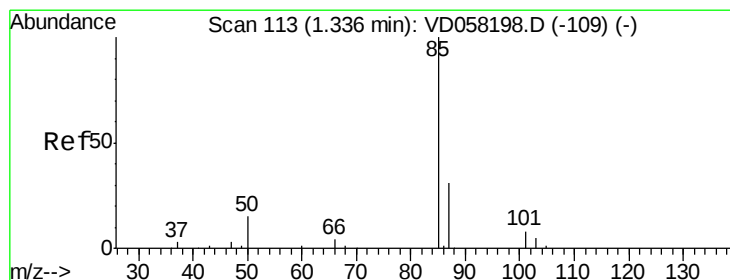
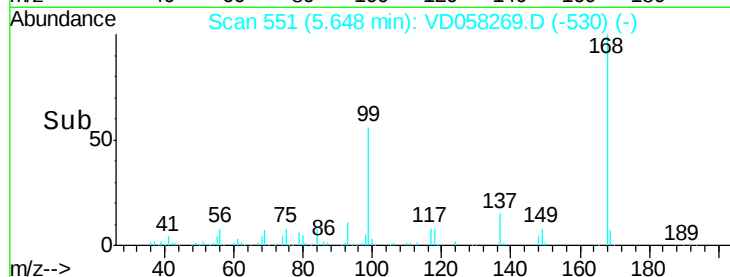
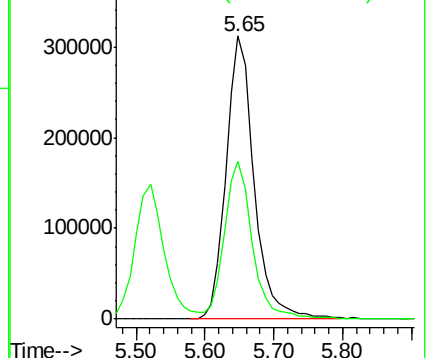
168 100

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: 53.448 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058269.D

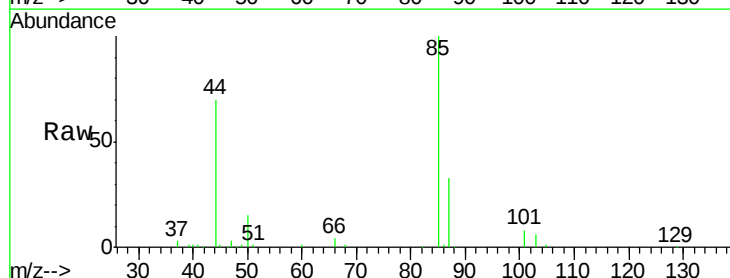
Acq: 22 Jun 2018 00:34

Tgt Ion: 85 Resp: 435625

Ion Ratio Lower Upper

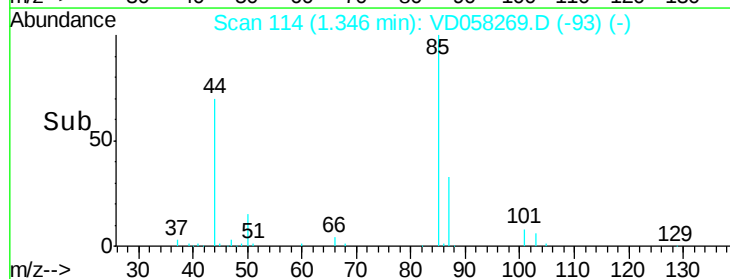
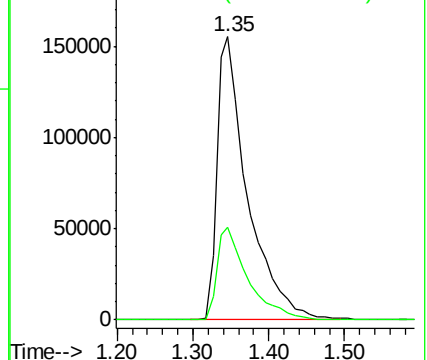
85 100

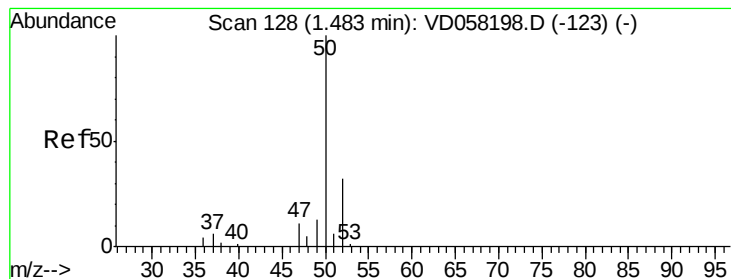
87 32.6 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.882 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 :

MSVOA_D

ClientSampleId :

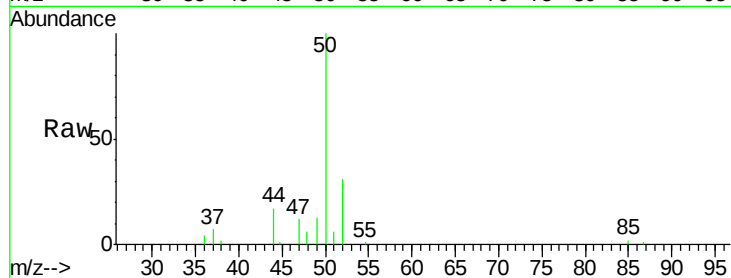
VSTDCCC050

Tot Ion: 50 Resp: 190825

Ion Ratio Lower Upper

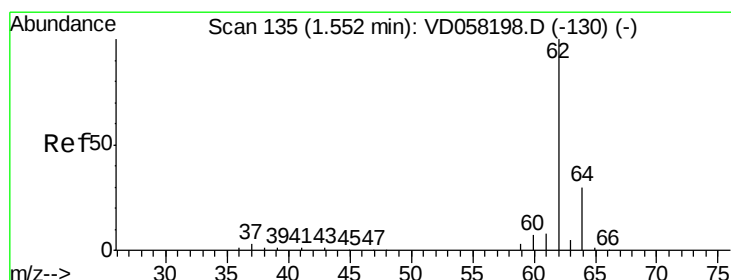
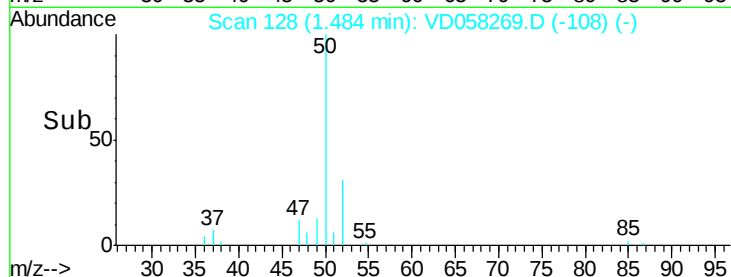
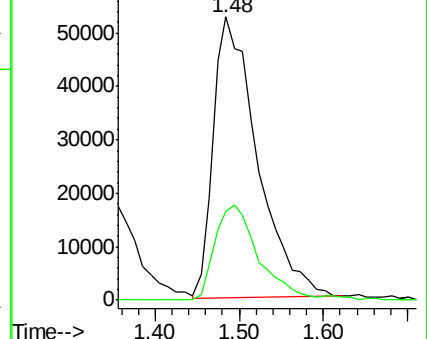
50 100

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: 44.589 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058269.D

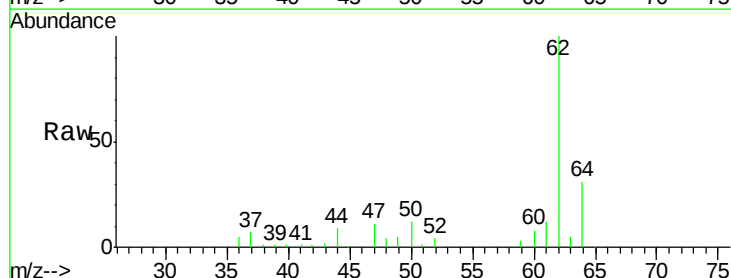
Acq: 22 Jun 2018 00:34

Tgt Ion: 62 Resp: 204723

Ion Ratio Lower Upper

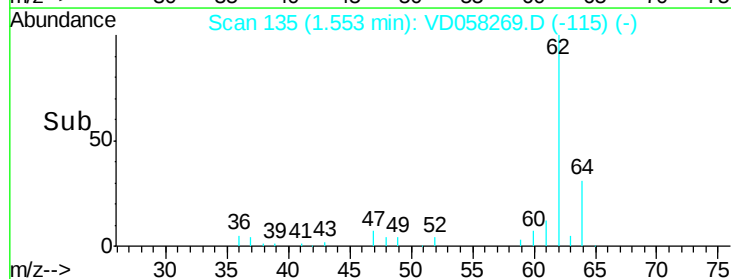
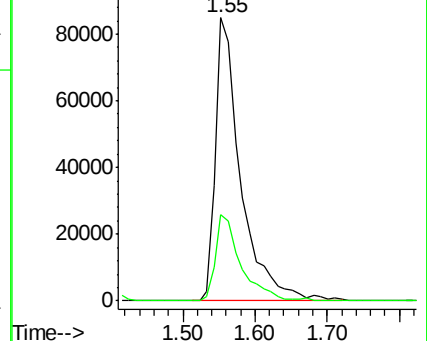
62 100

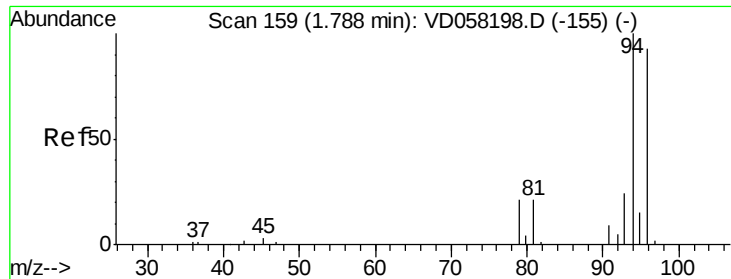
64 30.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

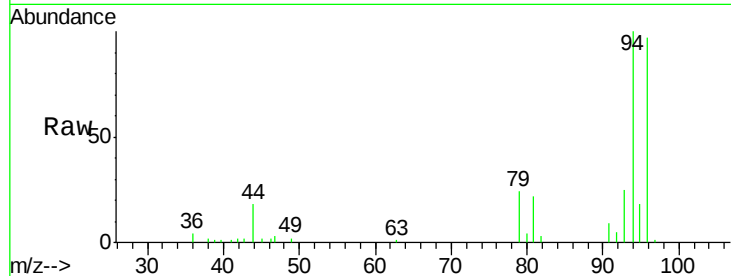




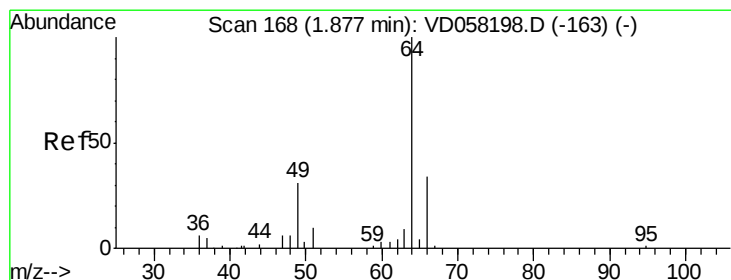
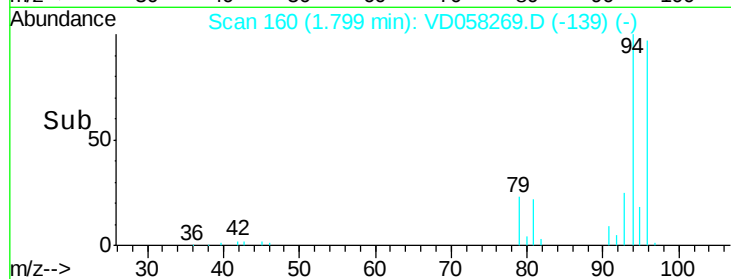
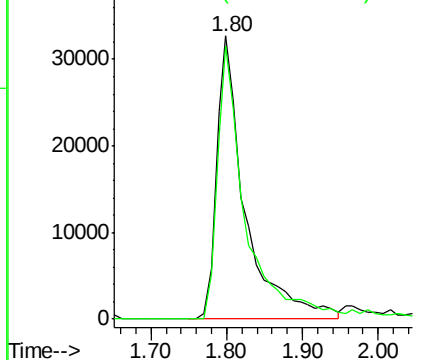
#5
Bromomethane
Concen: 57.189 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

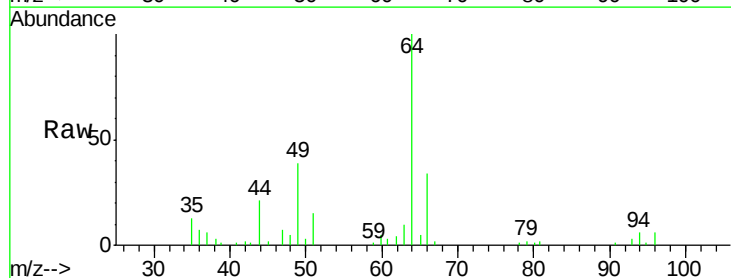


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

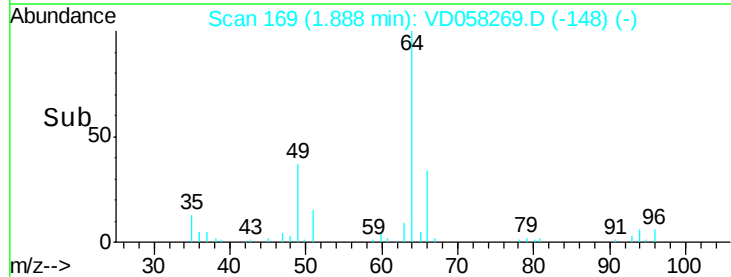
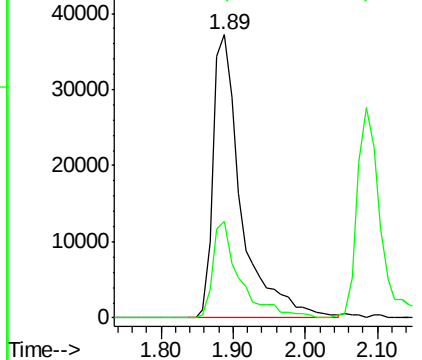


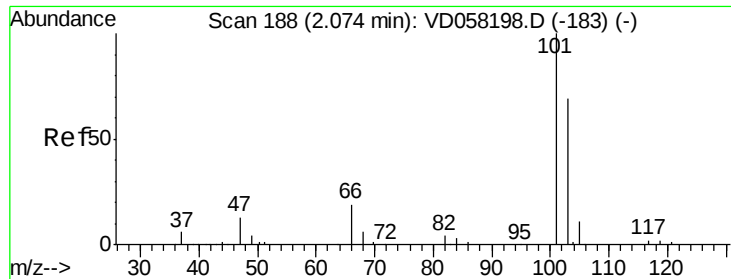
#6
Chloroethane
Concen: 61.351 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

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



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



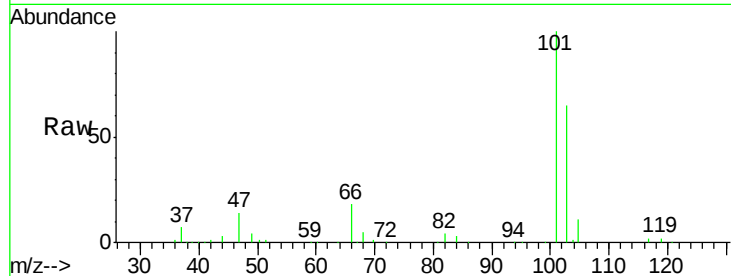


#7

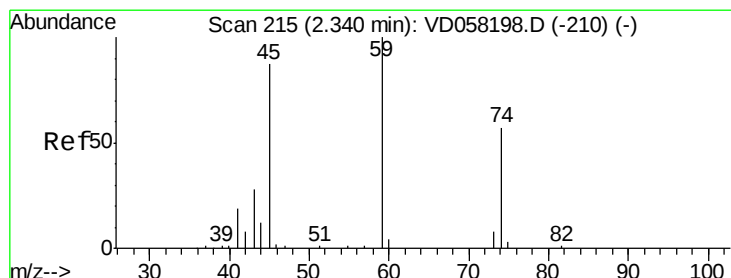
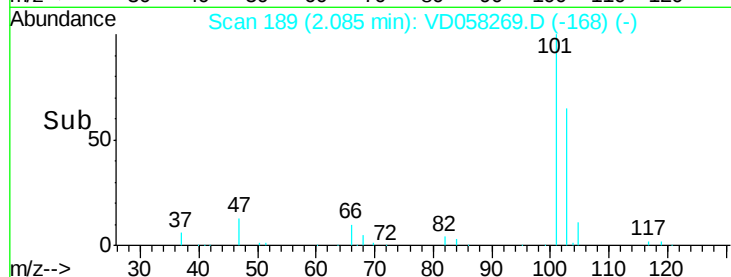
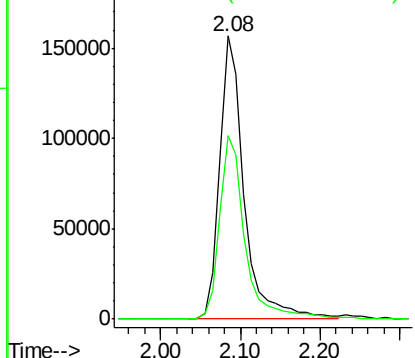
Trichlorofluoromethane
 Concen: 54.287 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Instrument :
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 ClientSampleId :
 VSTDCCC050

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



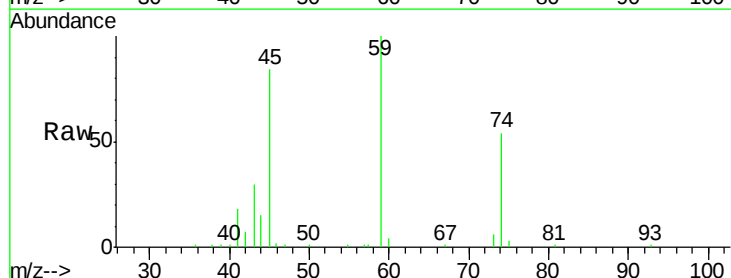
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



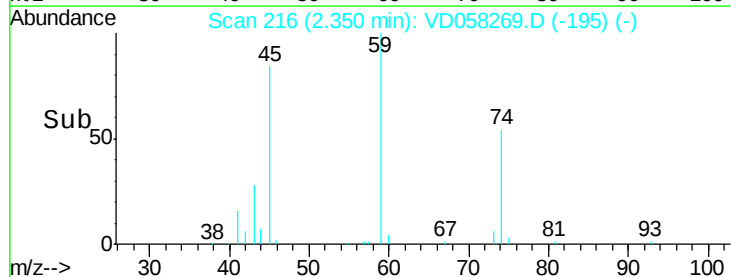
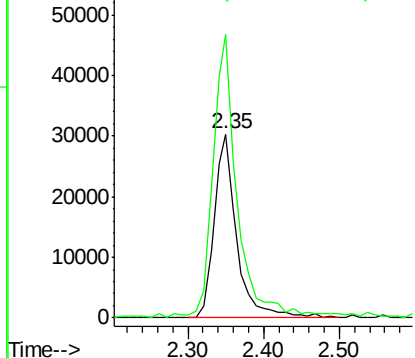
#8

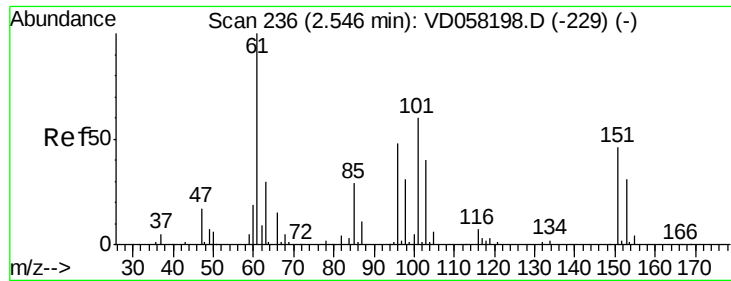
Diethyl Ether
 Concen: 47.281 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

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: 49.883 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

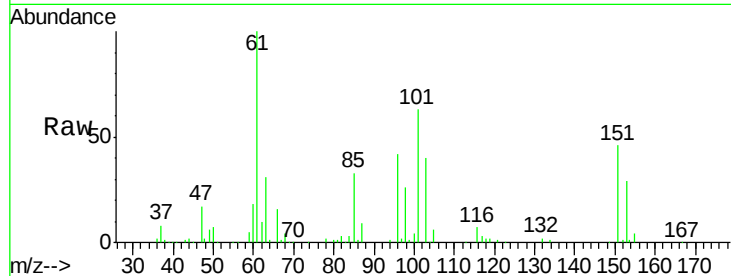
Tot Ion:101 Resp: 199635

Ion Ratio Lower Upper

101 100

85 51.8 39.0 58.4

151 73.0 61.8 92.8



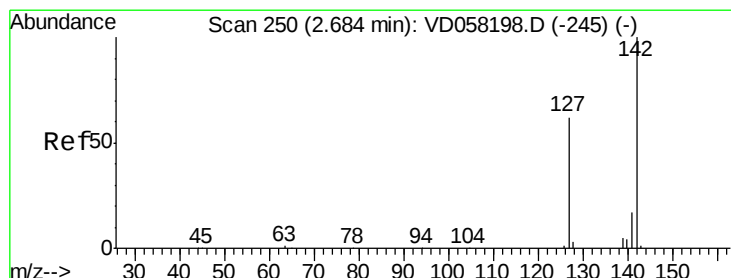
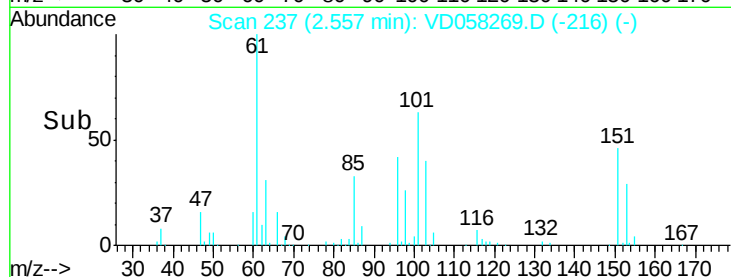
Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

2.56

Time-->



#10

Methyl Iodide

Concen: 54.754 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

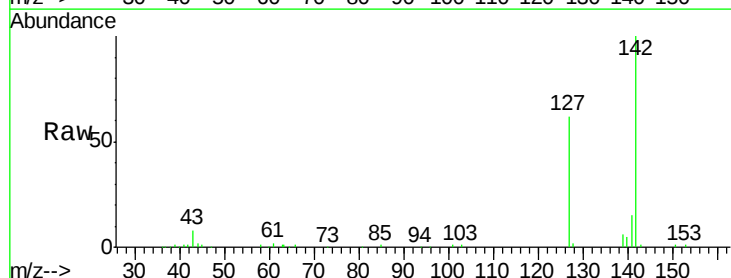
Tgt Ion:142 Resp: 249256

Ion Ratio Lower Upper

142 100

127 62.3 49.4 74.0

141 15.3 13.5 20.3



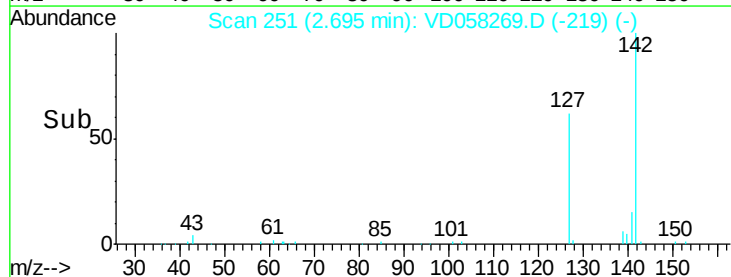
Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

2.69

Time-->



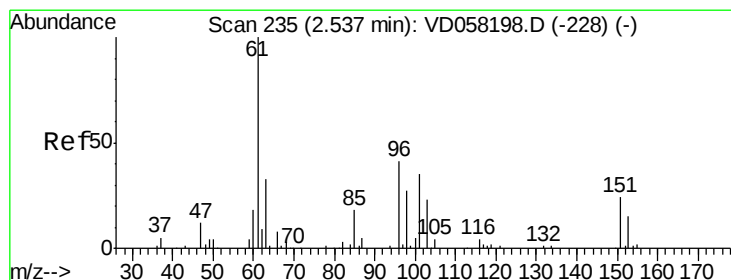
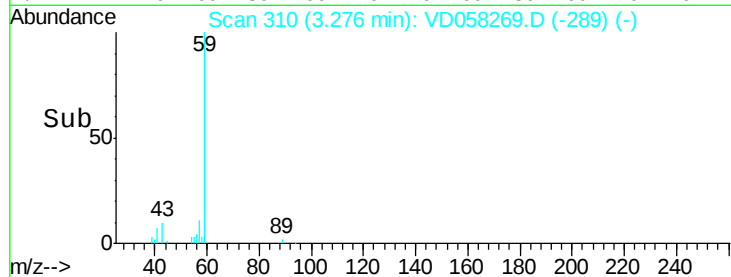
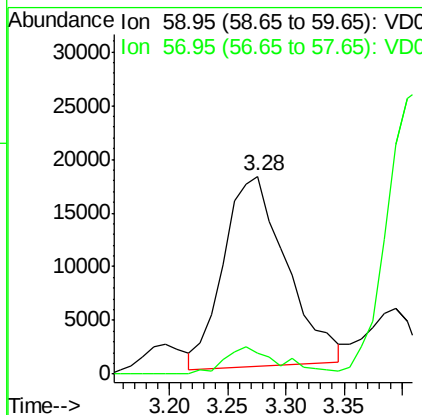
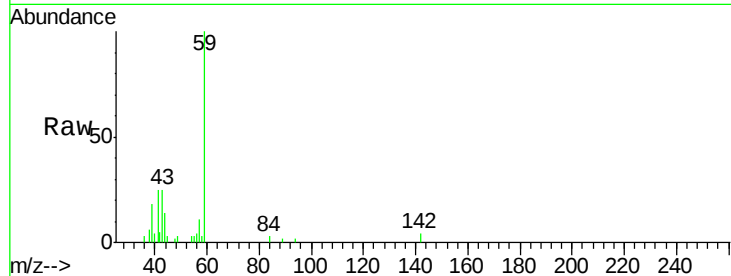


#11

Tert butyl alcohol
 Concen: 227.521 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

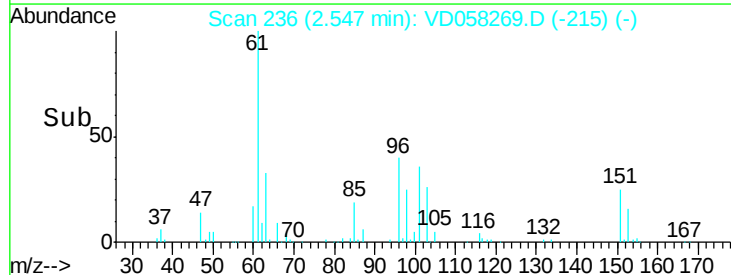
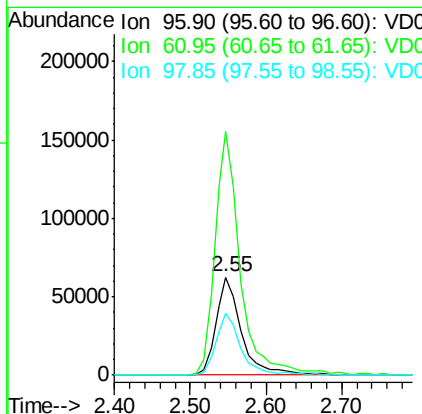
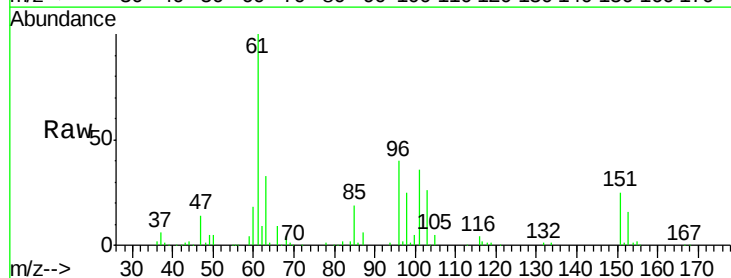
Tot Ion: 59 Resp: 66432
 Ion Ratio Lower Upper
 59 100
 57 10.6 6.2 9.4#

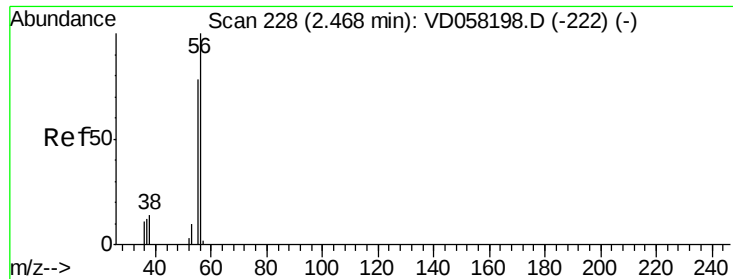


#12

1,1-Dichloroethene
 Concen: 48.300 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: 128.077 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 :

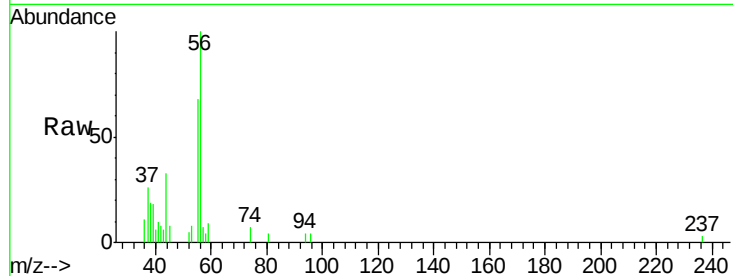
VSTDCCC050

Tot Ion: 56 Resp: 21348

Ion Ratio Lower Upper

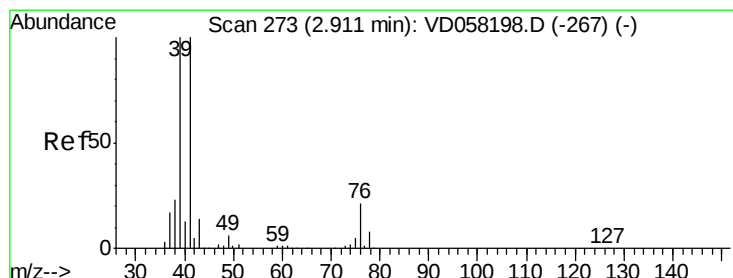
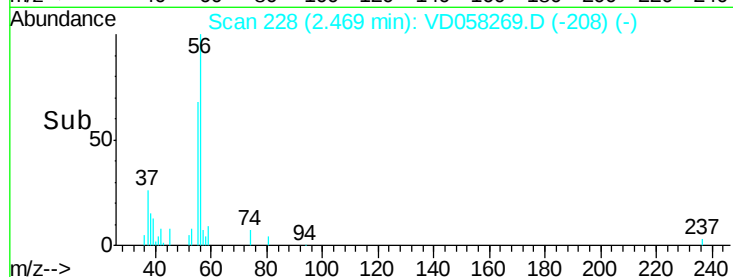
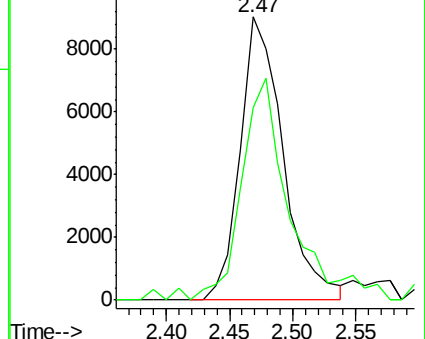
56 100

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



#14

Allyl chloride

Concen: 48.380 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

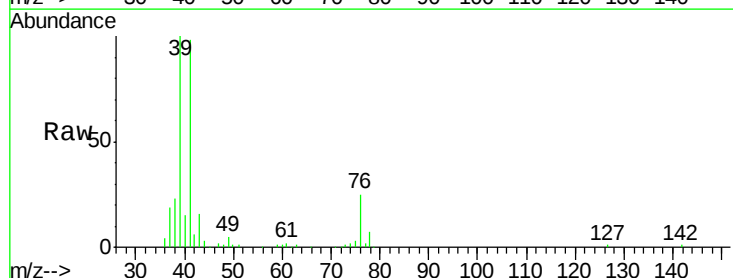
Tgt Ion: 41 Resp: 339059

Ion Ratio Lower Upper

41 100

39 102.0 80.1 120.1

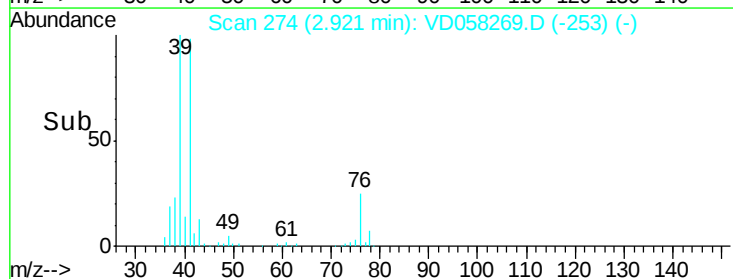
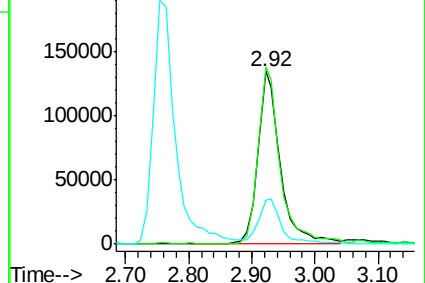
76 25.6 19.4 29.2

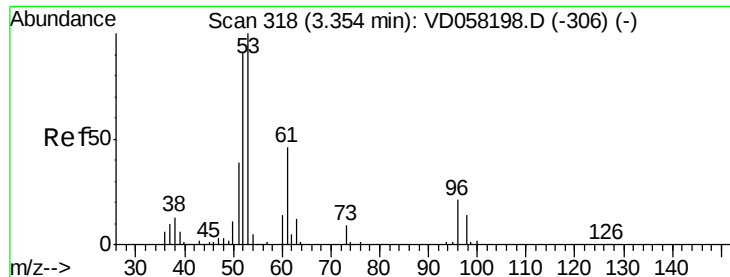


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 226.000 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

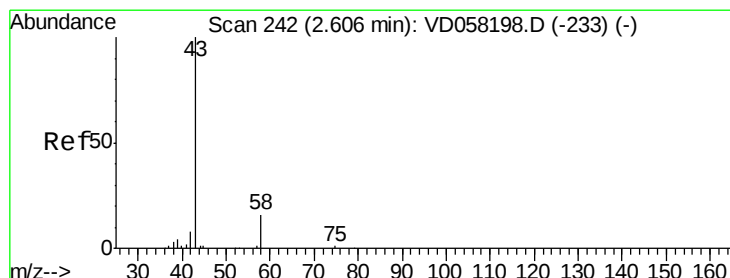
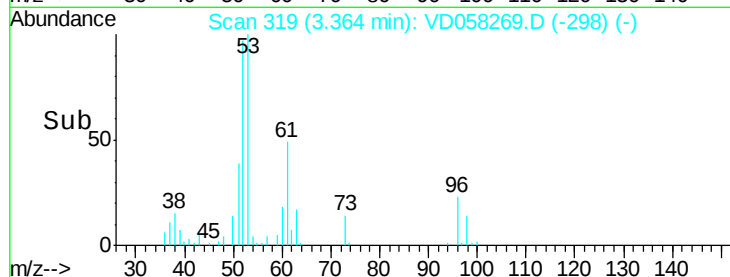
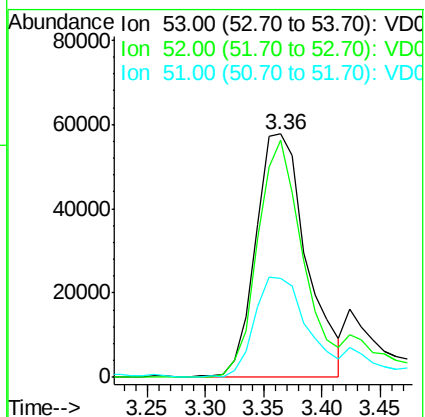
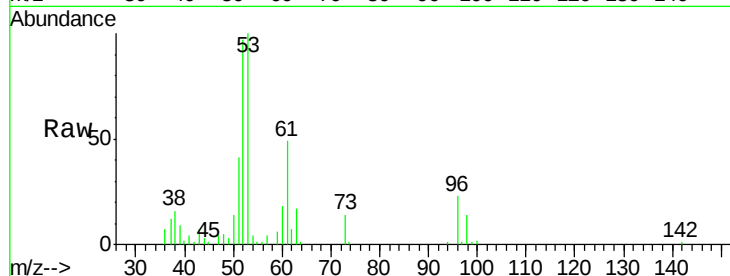
Tot Ion: 53 Resp: 174970

Ion Ratio Lower Upper

53 100

52 97.5 72.6 108.8

51 40.6 32.2 48.4



#16

Acetone

Concen: 221.191 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058269.D

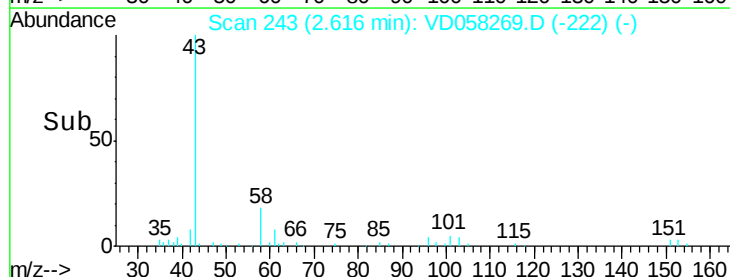
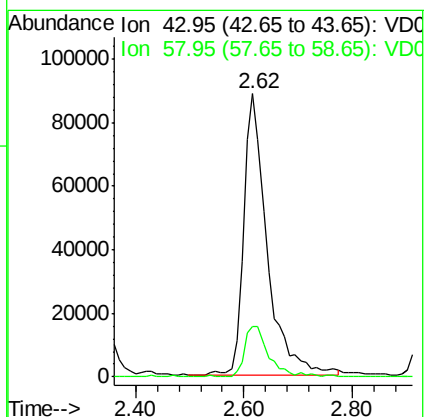
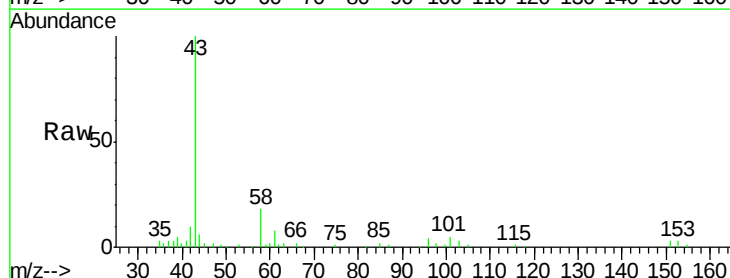
Acq: 22 Jun 2018 00:34

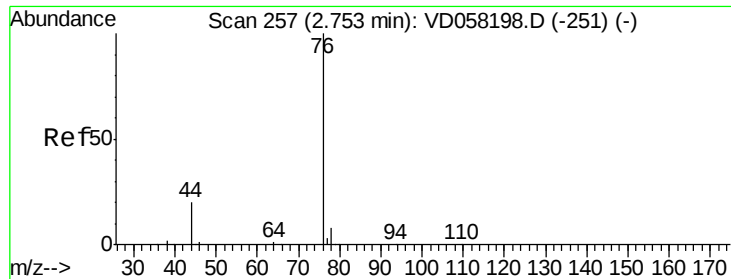
Tgt Ion: 43 Resp: 267794

Ion Ratio Lower Upper

43 100

58 17.7 12.7 19.1





#17

Carbon Disulfide

Concen: 44.560 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 :

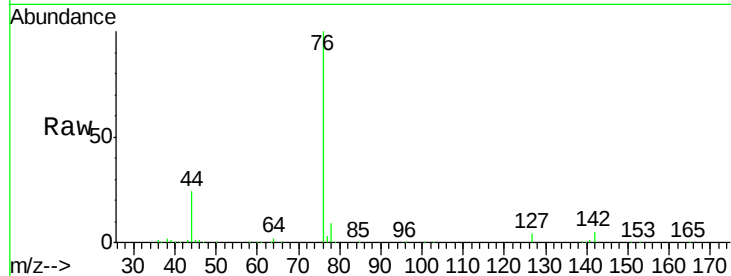
VSTDCCC050

Tot Ion: 76 Resp: 456499

Ion Ratio Lower Upper

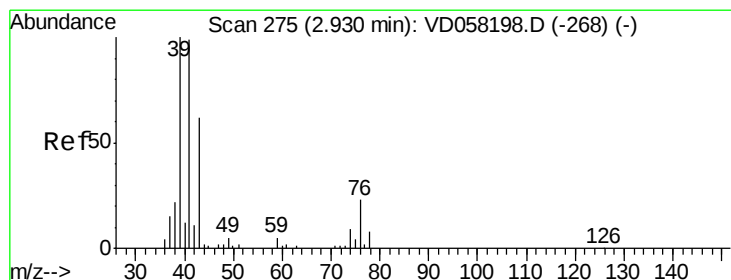
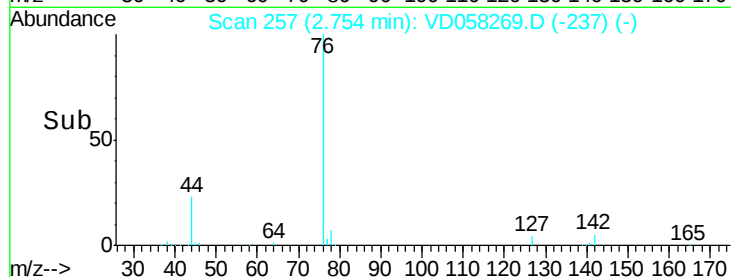
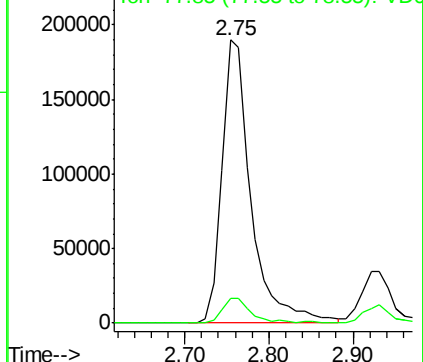
76 100

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: 47.255 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058269.D

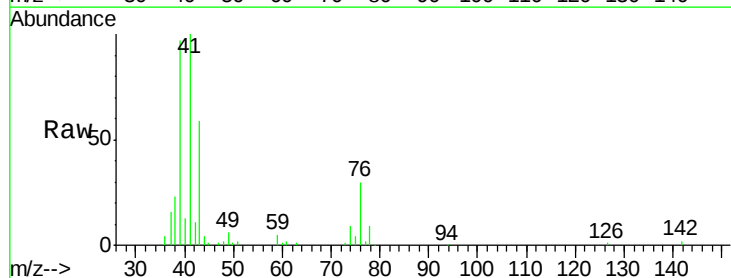
Acq: 22 Jun 2018 00:34

Tgt Ion: 43 Resp: 122014

Ion Ratio Lower Upper

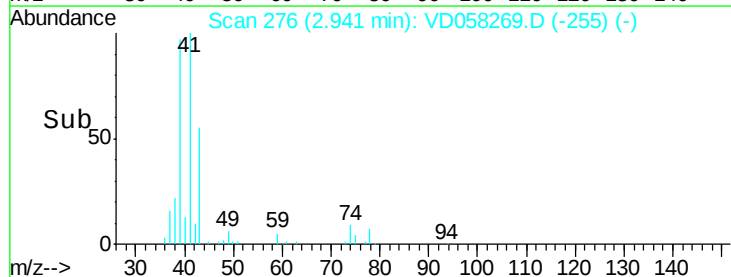
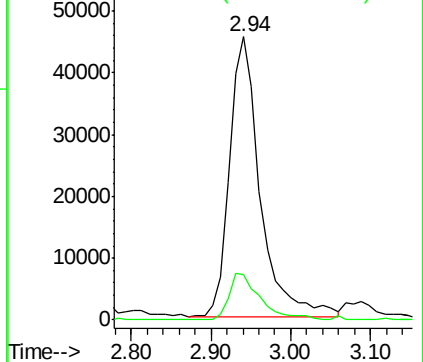
43 100

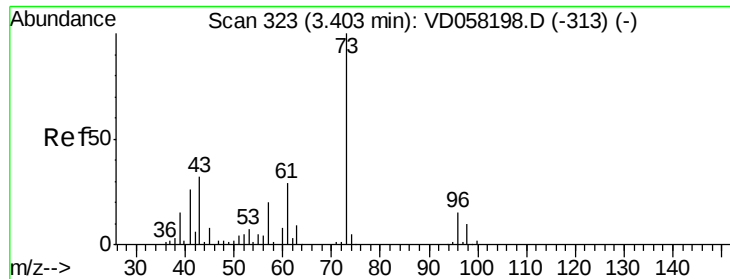
74 15.9 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

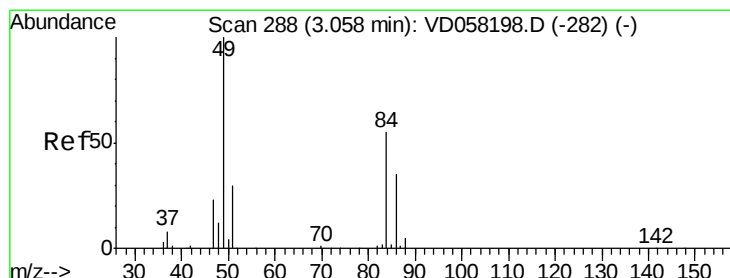
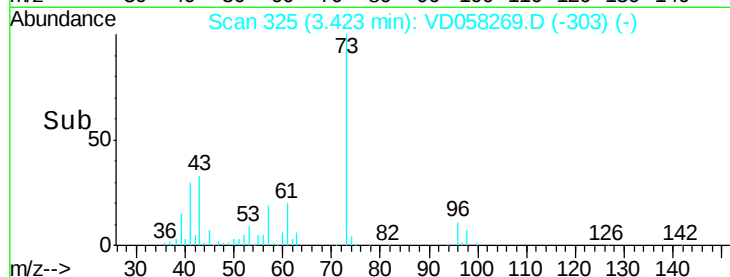
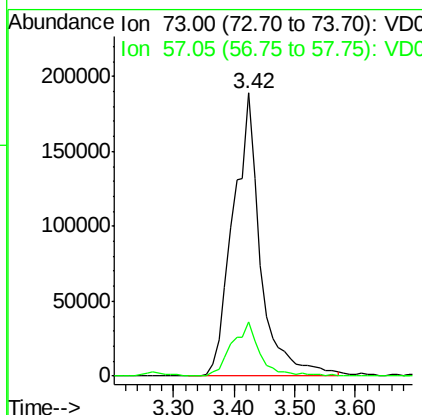
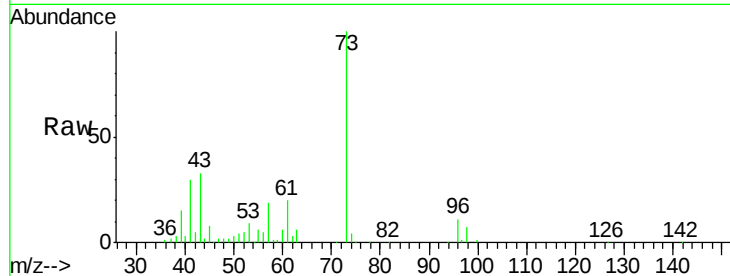




#19
Methyl tert-butyl Ether
Concen: 74.665 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

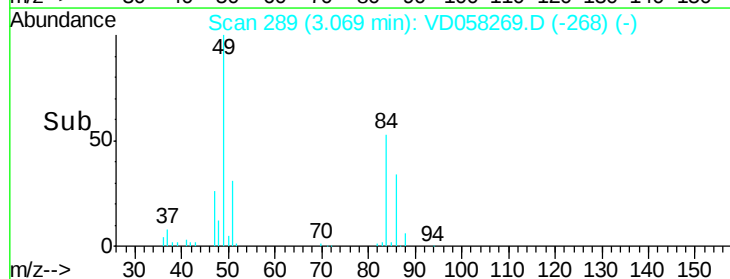
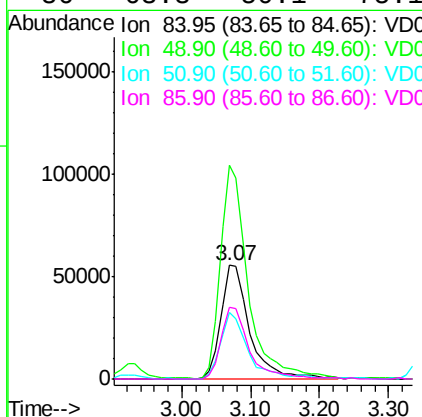
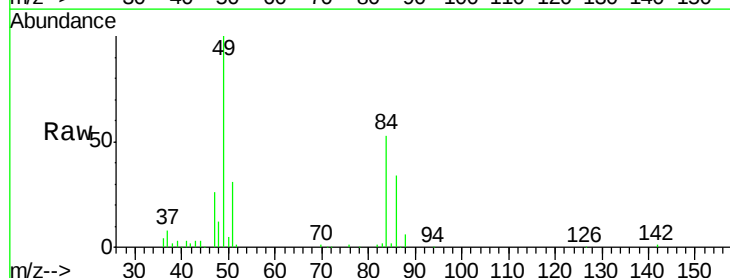
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

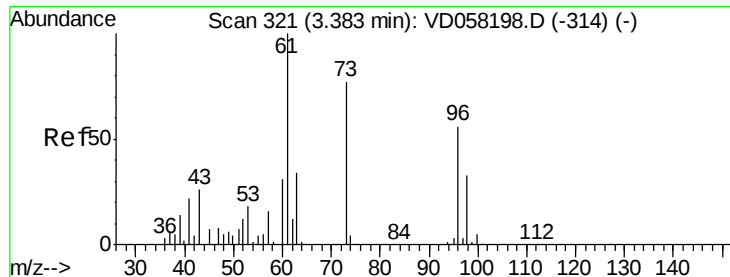
Tot Ion: 73 Resp: 596310
Ion Ratio Lower Upper
73 100
57 19.4 16.6 24.8



#20
Methylene Chloride
Concen: 50.670 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: 57.455 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

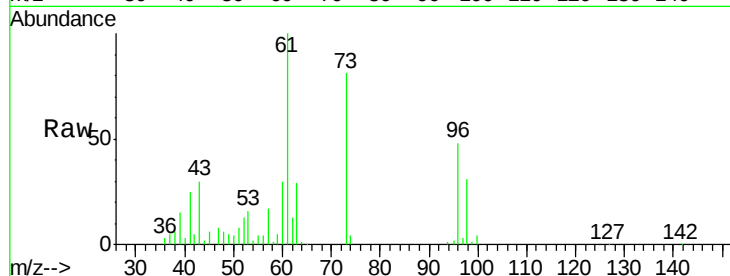
Tot Ion: 96 Resp: 189077

Ion Ratio Lower Upper

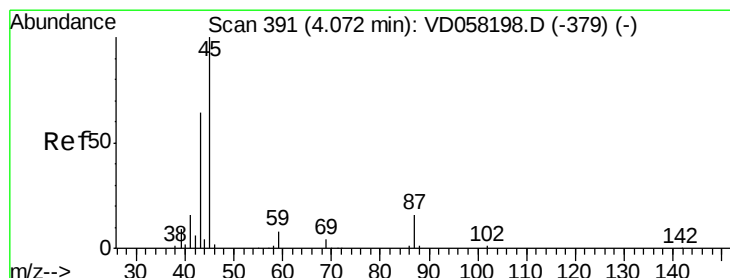
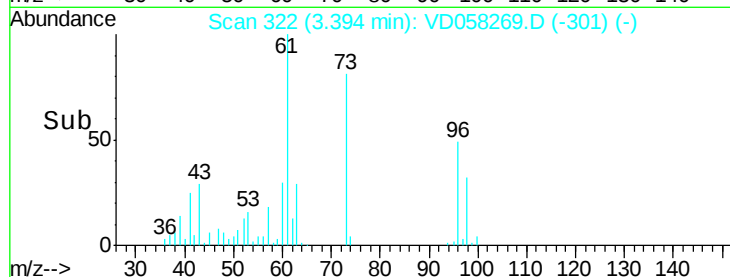
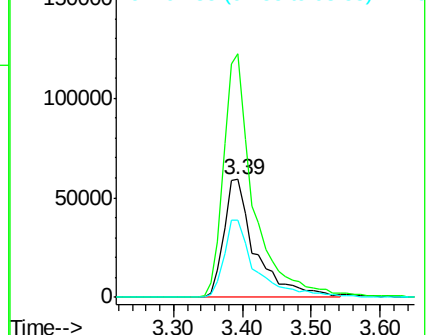
96 100

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: 48.095 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

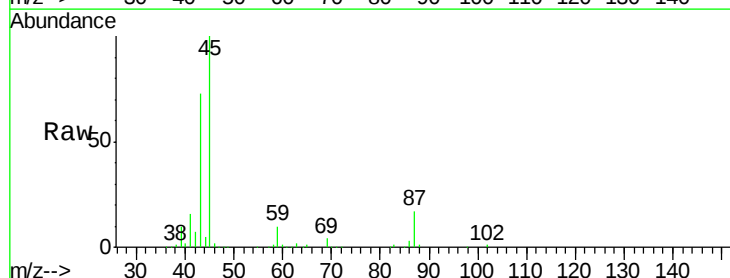
Ion Ratio Lower Upper

45 100

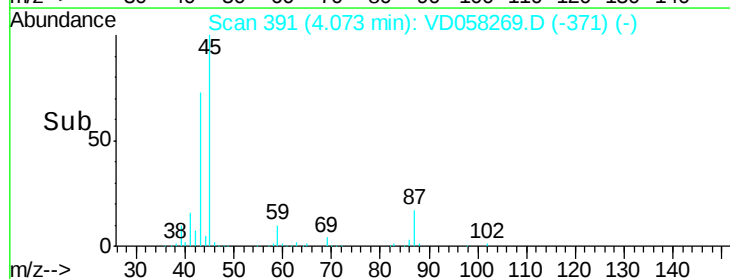
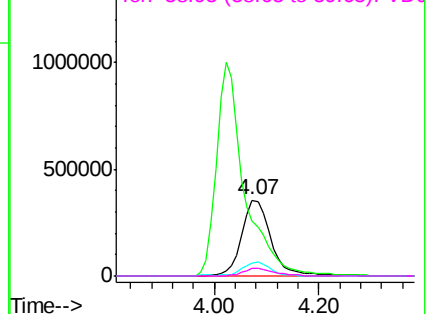
43 73.4 51.4 77.0

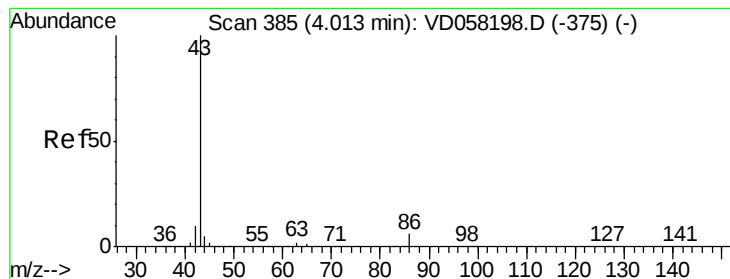
87 16.5 13.0 19.4

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: 247.171 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 :

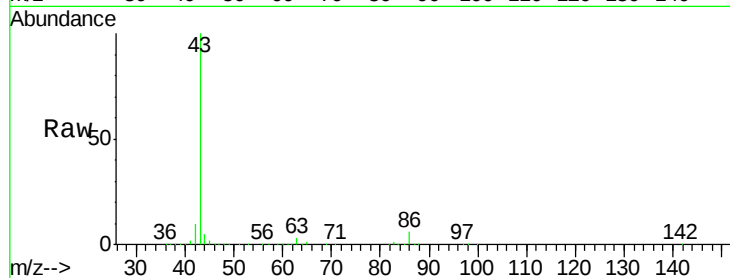
VSTDCCC050

Tot Ion: 43 Resp: 3688024

Ion Ratio Lower Upper

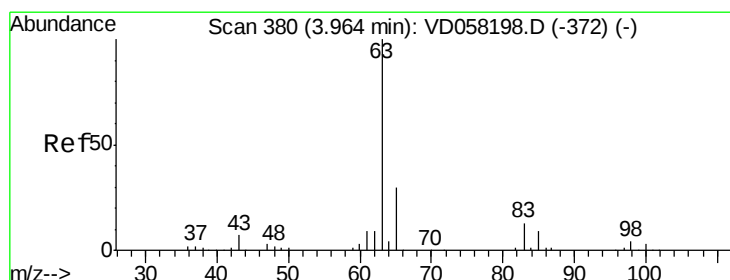
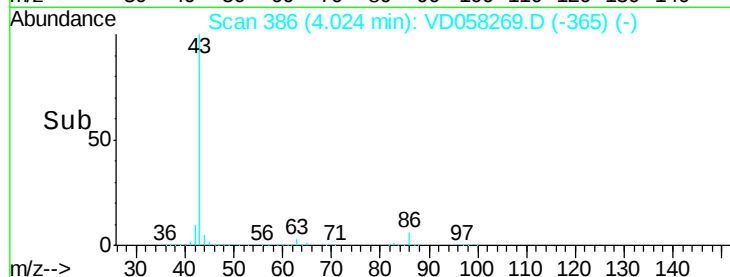
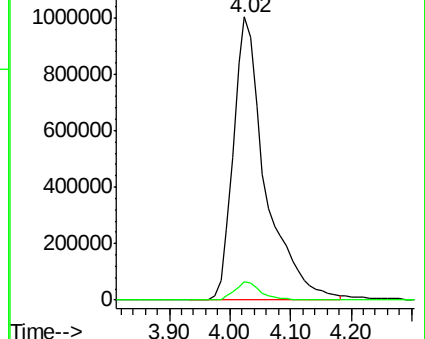
43 100

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: 52.155 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

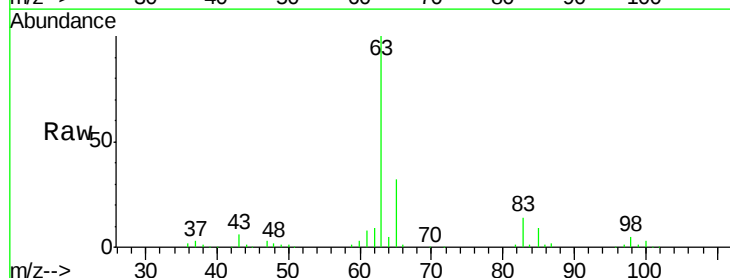
Tgt Ion: 63 Resp: 782098

Ion Ratio Lower Upper

63 100

98 5.0 1.9 5.7

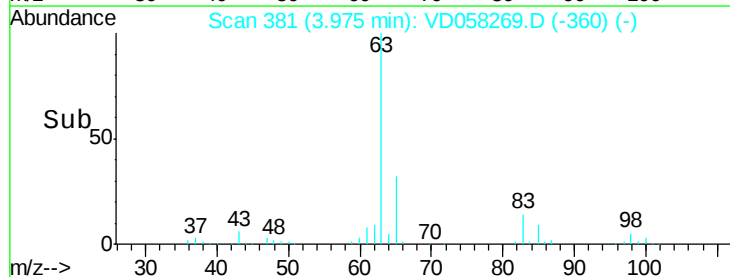
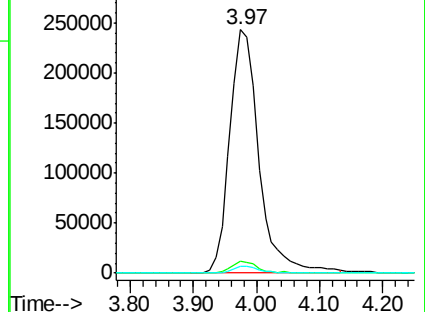
100 2.6 1.3 3.9

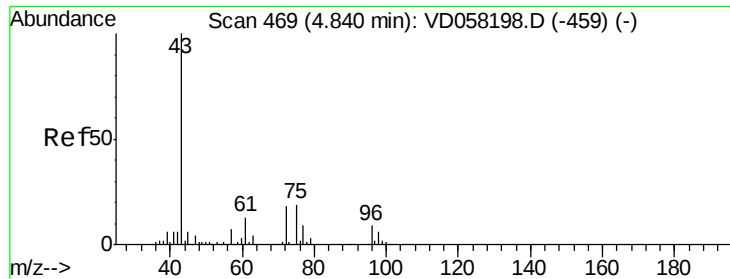


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 244.981 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 :

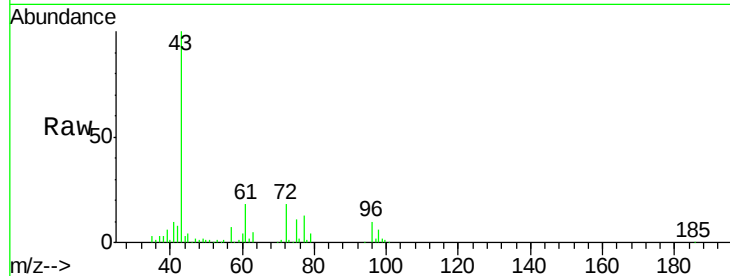
VSTDCCC050

Tot Ion: 43 Resp: 646440

Ion Ratio Lower Upper

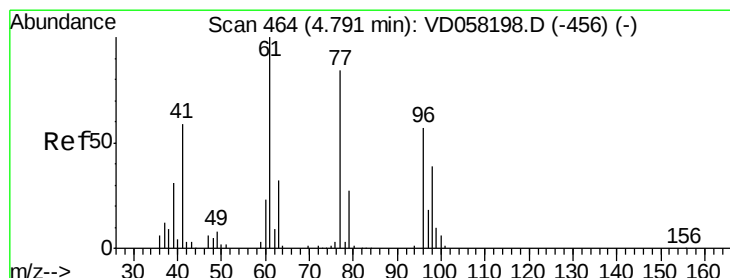
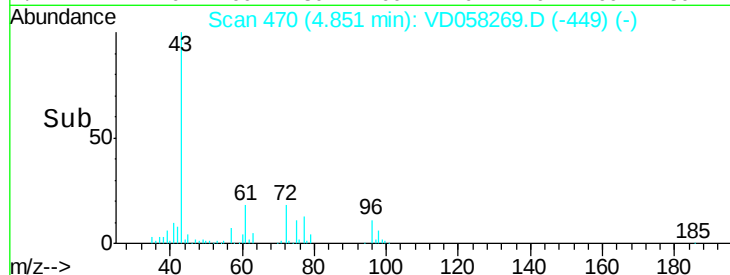
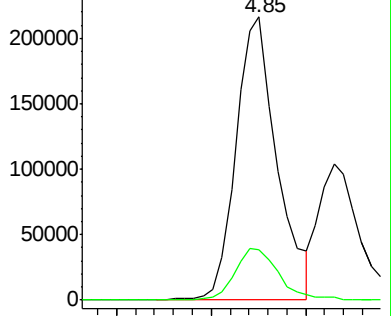
43 100

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



#26

2,2-Dichloropropane

Concen: 47.939 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058269.D

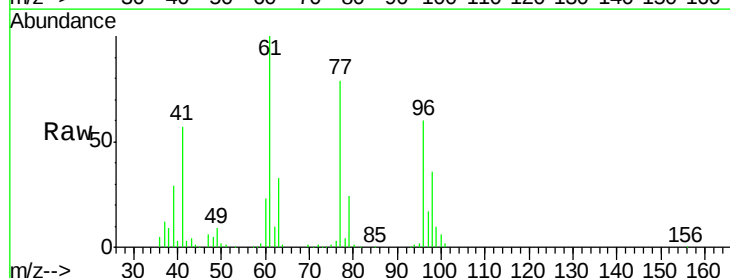
Acq: 22 Jun 2018 00:34

Tgt Ion: 77 Resp: 601935

Ion Ratio Lower Upper

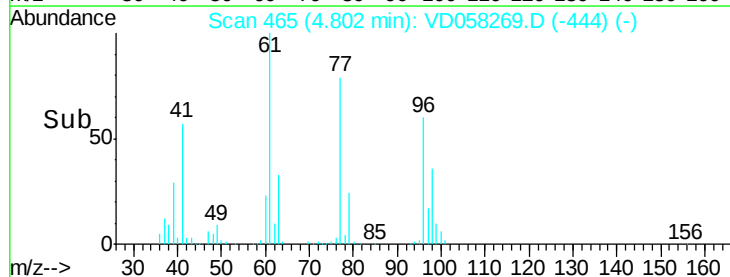
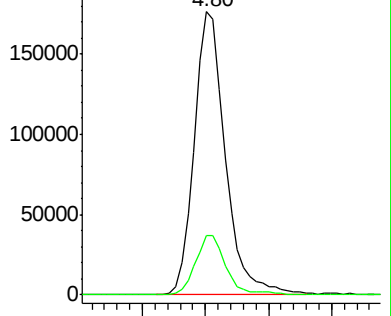
77 100

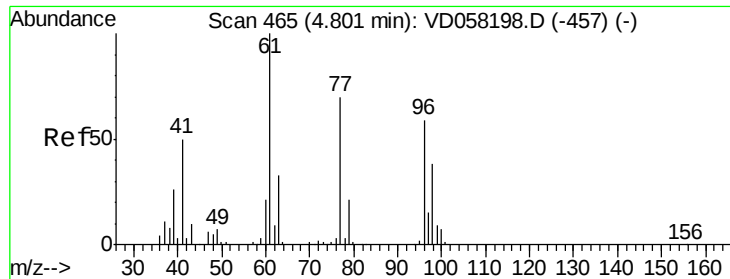
97 21.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



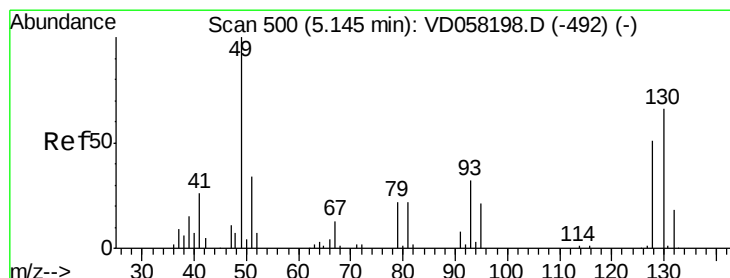
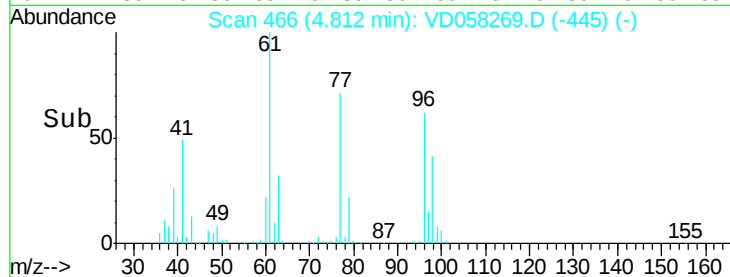
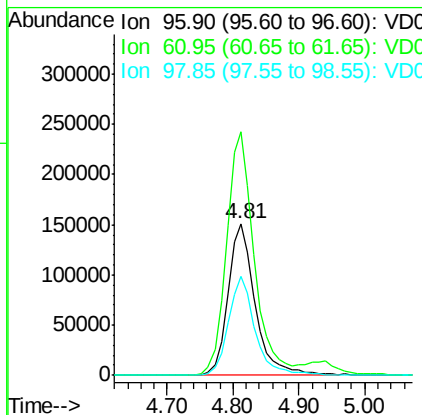
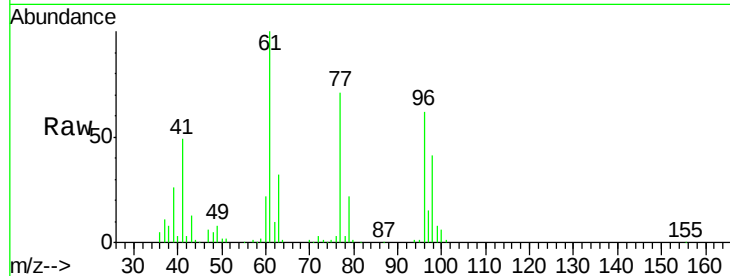


#27

cis-1,2-Dichloroethene
Concen: 52.877 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

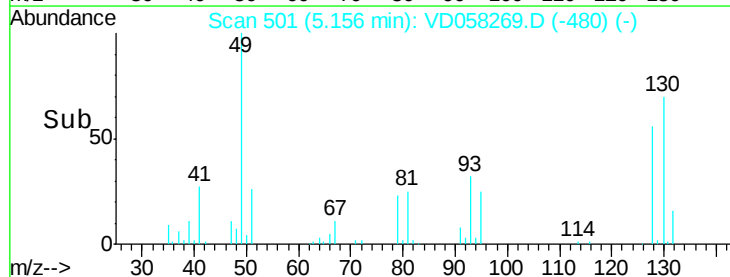
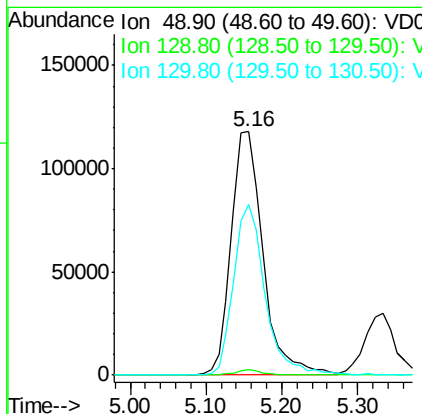
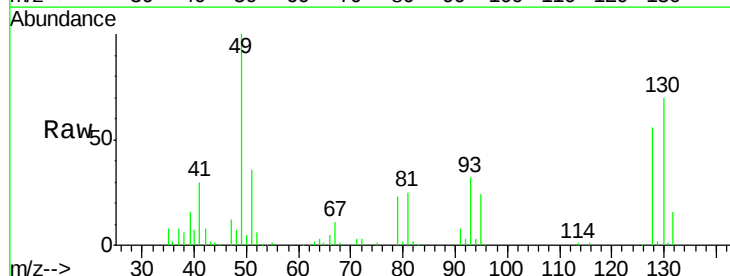
Tot Ion: 96 Resp: 434841
Ion Ratio Lower Upper
96 100
61 160.7 0.0 338.6
98 65.4 0.0 130.2



#28

Bromochloromethane
Concen: 51.220 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

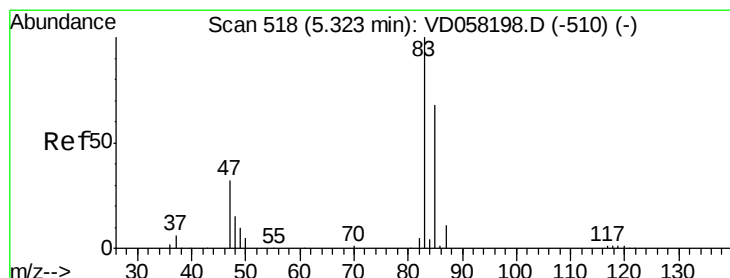
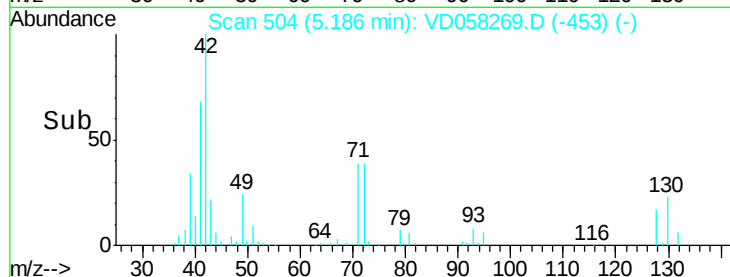
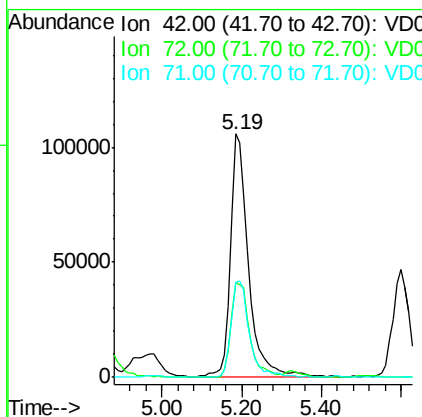
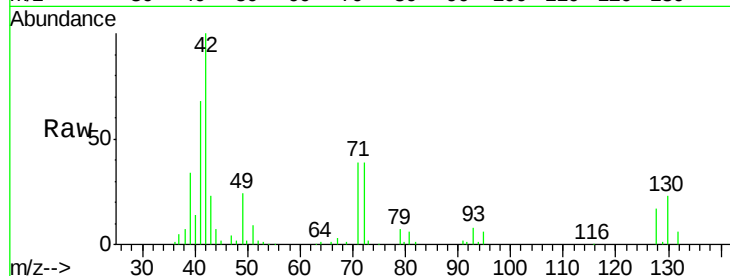




#29
Tetrahydrofuran
Concen: 241.846 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

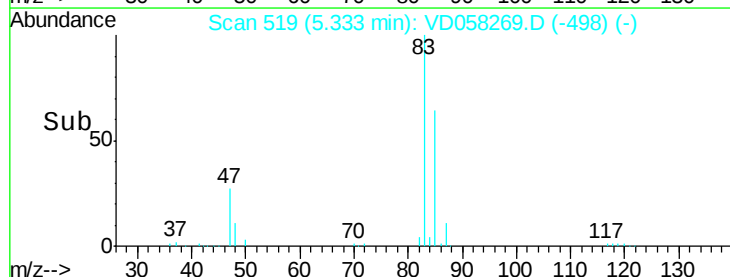
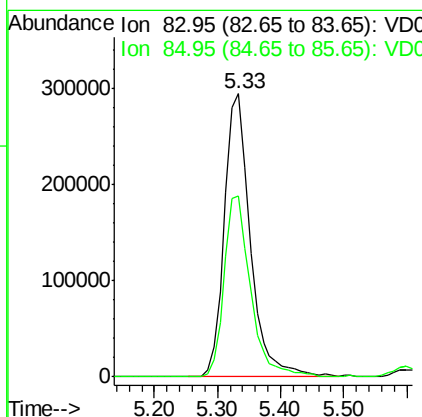
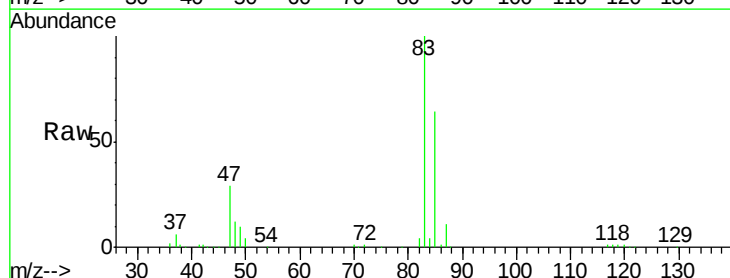
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

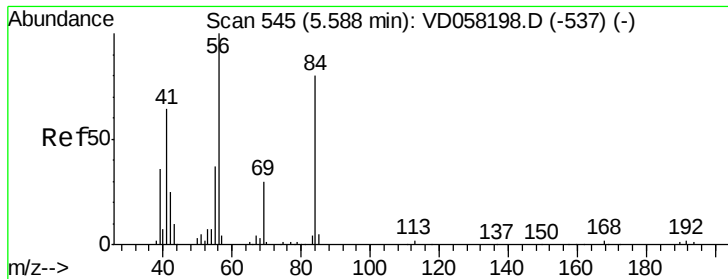
Tot Ion: 42 Resp: 339682
Ion Ratio Lower Upper
42 100
72 39.9 30.2 45.2
71 40.0 30.1 45.1



#30
Chloroform
Concen: 53.307 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

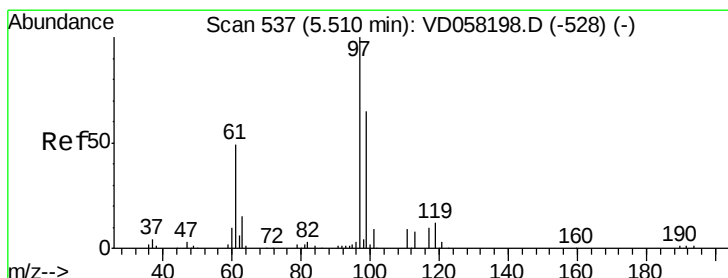
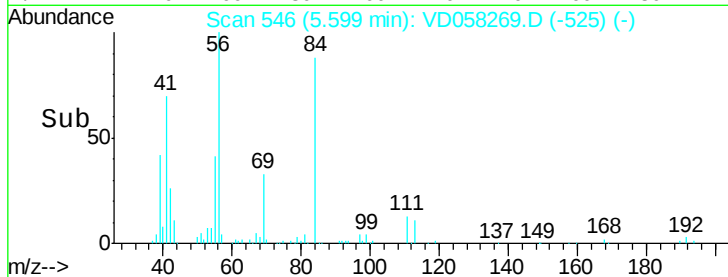
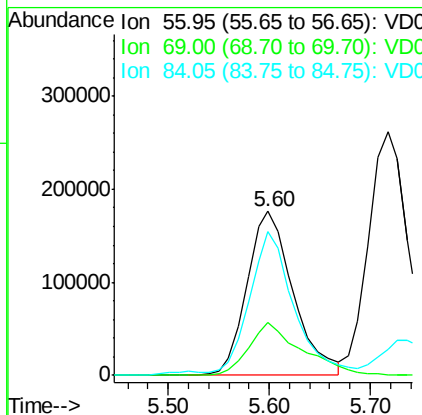
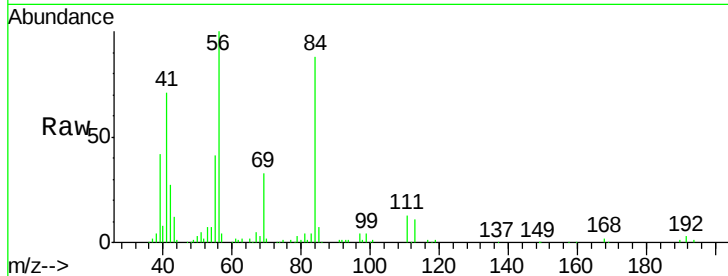




#31
Cyclohexane
Concen: 51.850 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

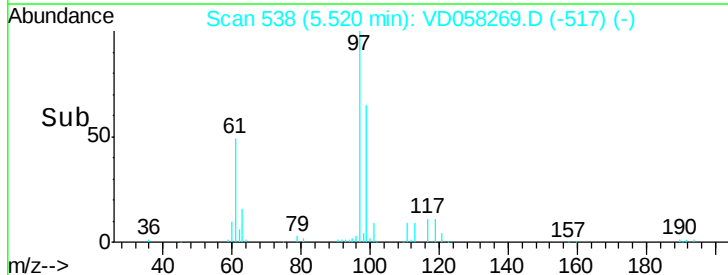
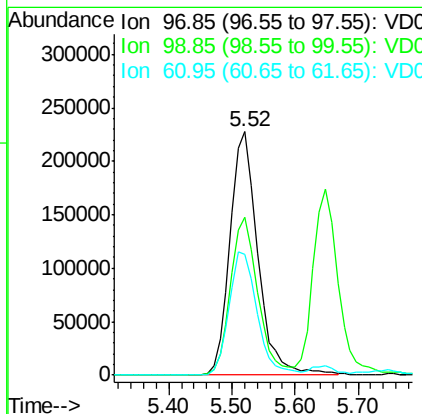
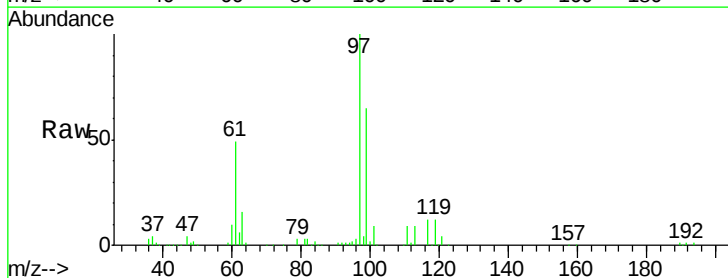
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



#32
1,1,1-Trichloroethane
Concen: 53.037 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





#33

1,2-Dichloroethane-d4

Concen: 53.037 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 :

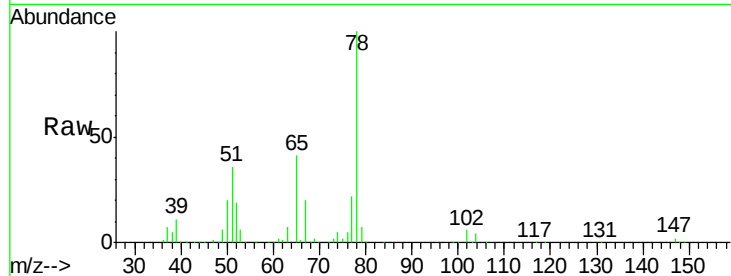
VSTDCCC050

Tot Ion: 65 Resp: 513439

Ion Ratio Lower Upper

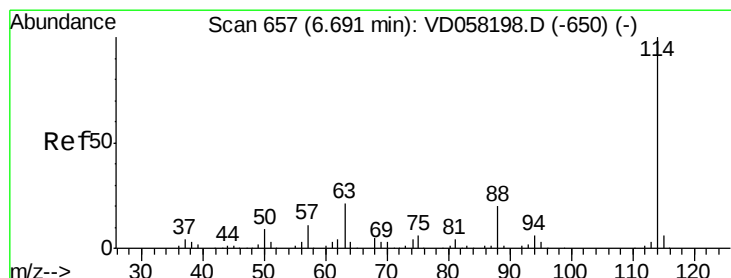
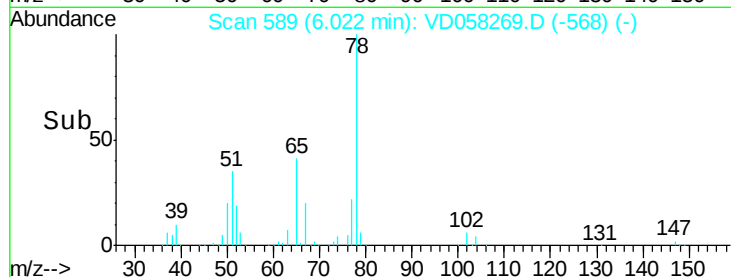
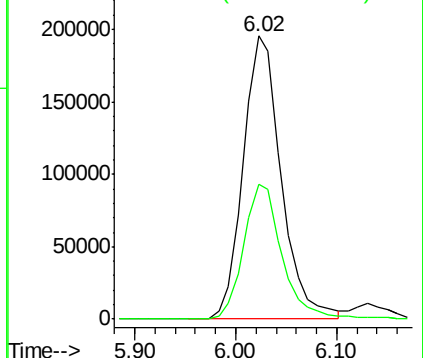
65 100

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: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

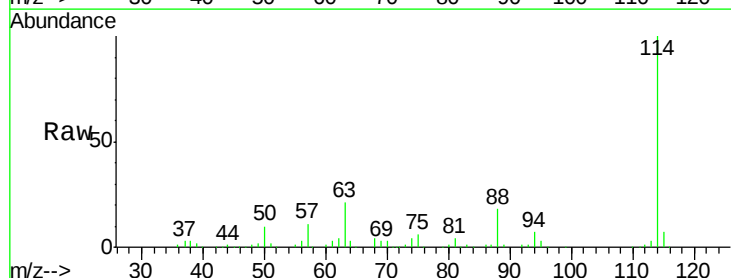
Tgt Ion: 114 Resp: 1162159

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

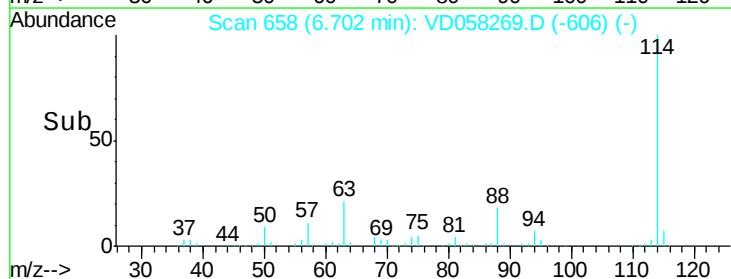
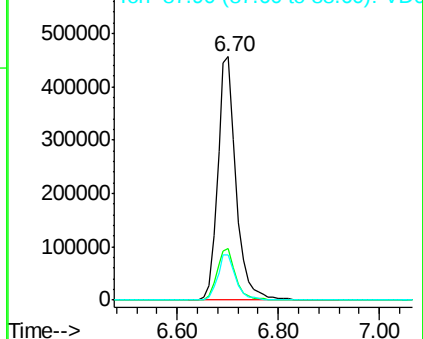
88 18.5 0.0 40.6

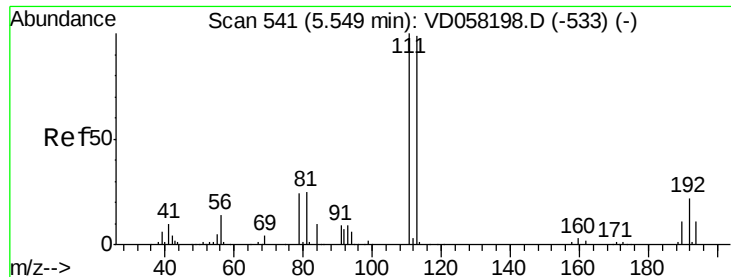


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 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

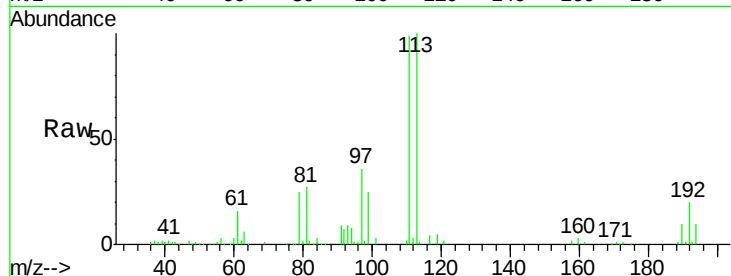
Tot Ion:113 Resp: 517402

Ion Ratio Lower Upper

113 100

111 98.6 80.6 121.0

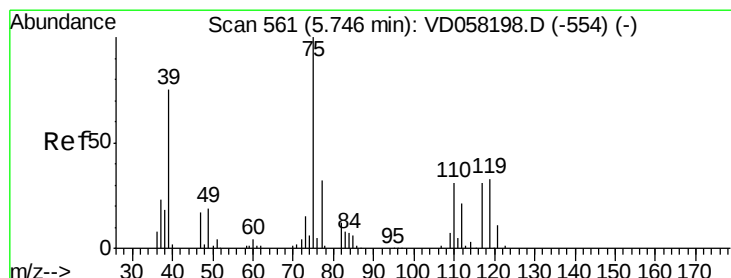
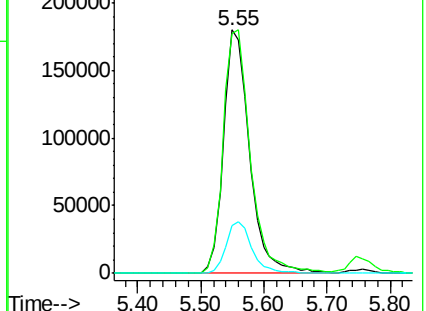
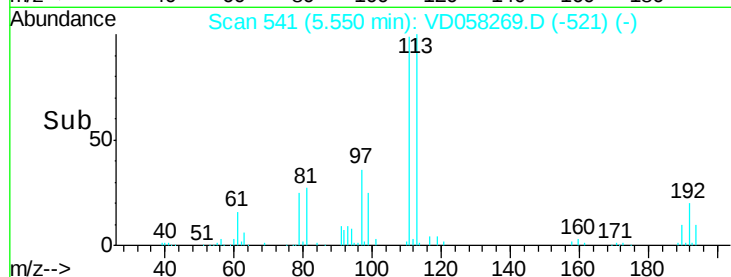
192 19.6 17.8 26.6



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: 49.342 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

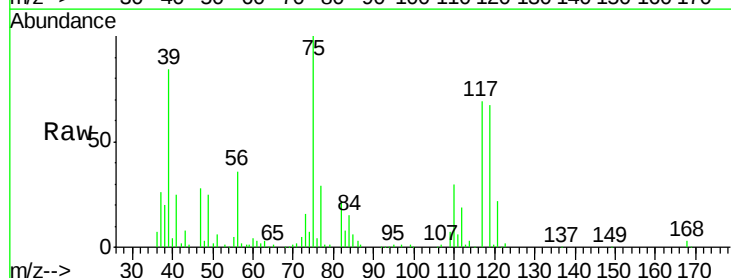
Tgt Ion: 75 Resp: 567275

Ion Ratio Lower Upper

75 100

110 30.2 15.4 46.4

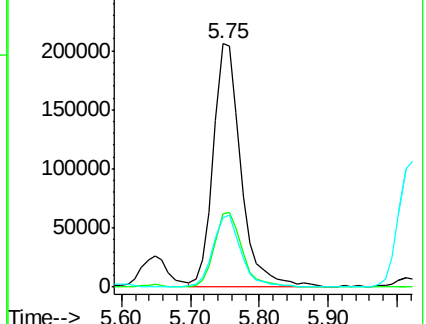
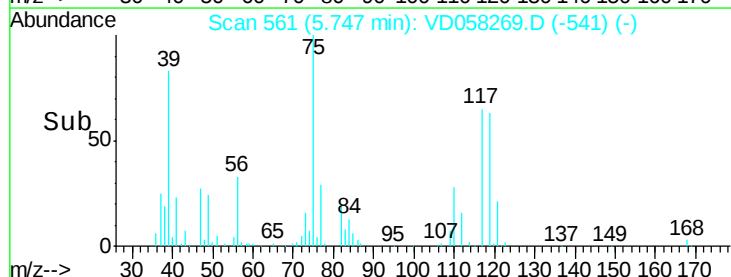
77 28.8 25.4 38.2

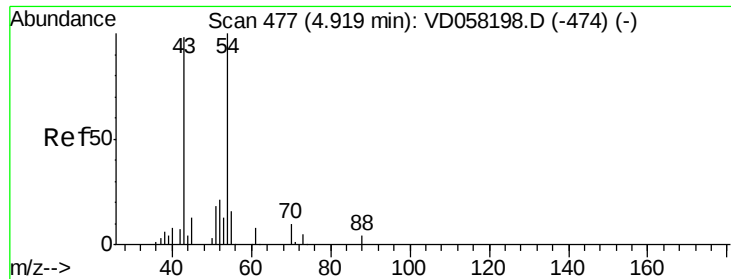


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

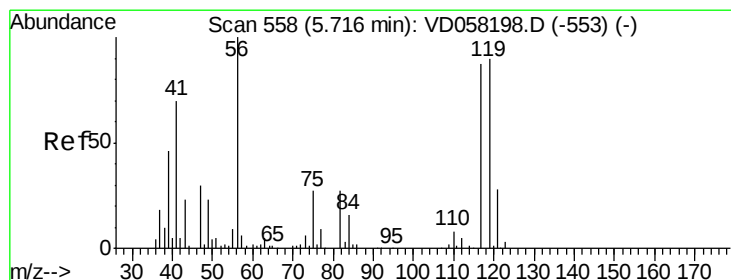
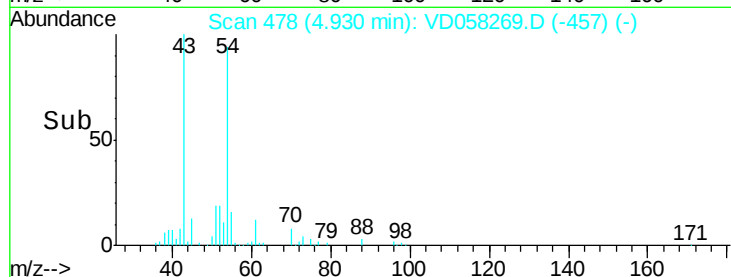
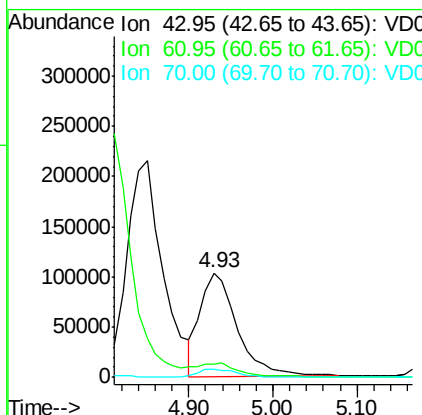
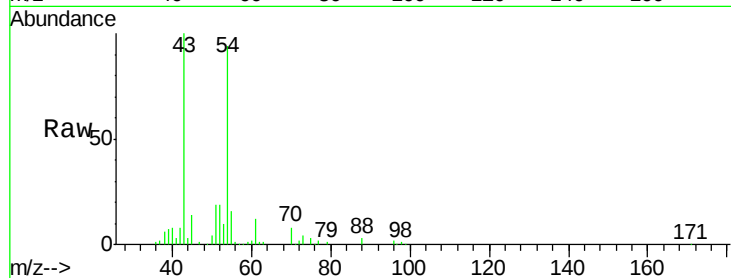




#37
Ethyl Acetate
Concen: 47.863 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

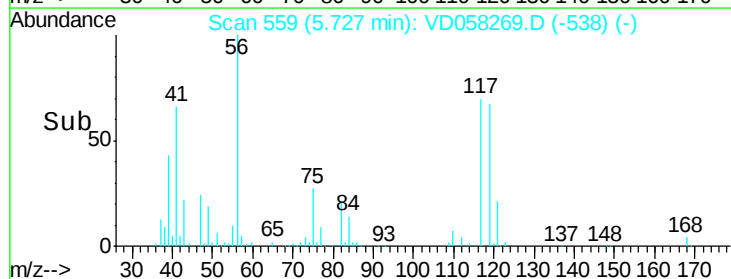
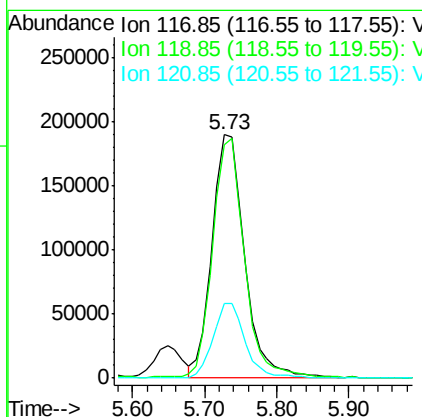
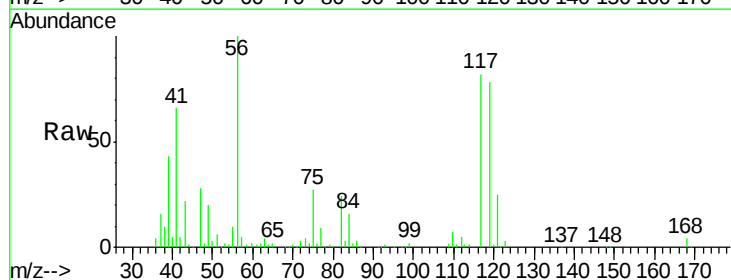
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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: 51.484 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

Methvlcvclohexane

Concen: 49.665 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

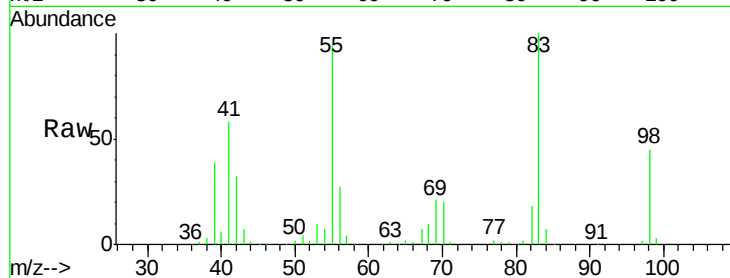
Tot Ion: 83 Resp: 556148

Ion Ratio Lower Upper

83 100

55 93.7 77.4 116.2

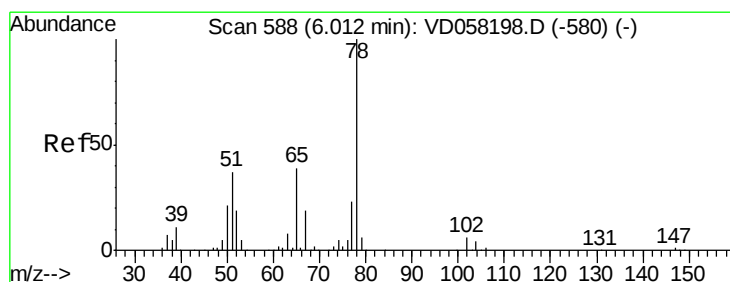
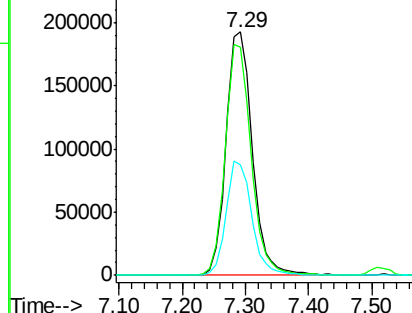
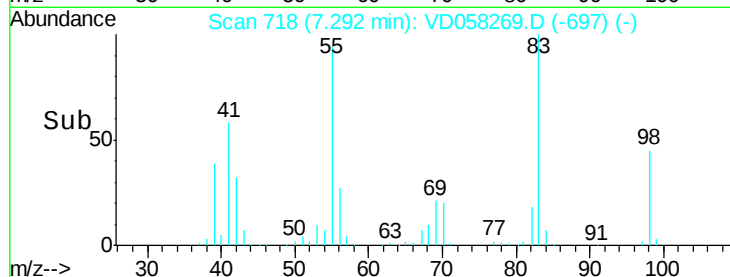
98 45.4 35.9 53.9



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: 48.448 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058269.D

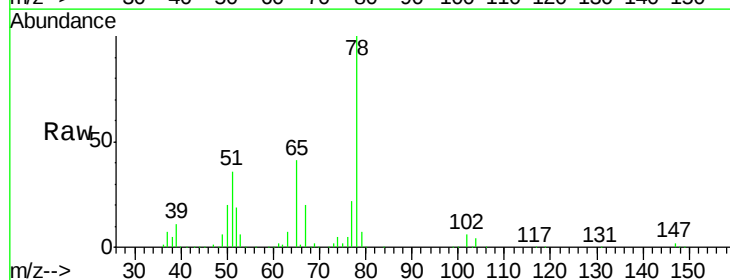
Acq: 22 Jun 2018 00:34

Tgt Ion: 78 Resp: 1326818

Ion Ratio Lower Upper

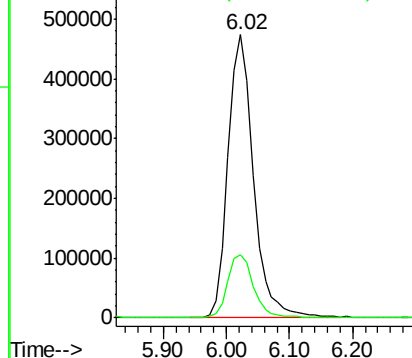
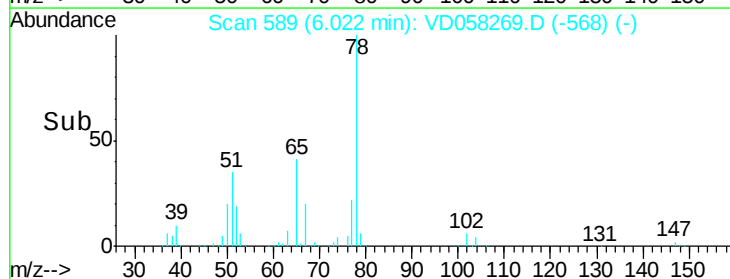
78 100

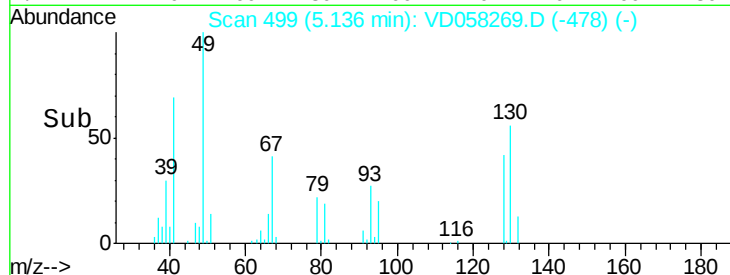
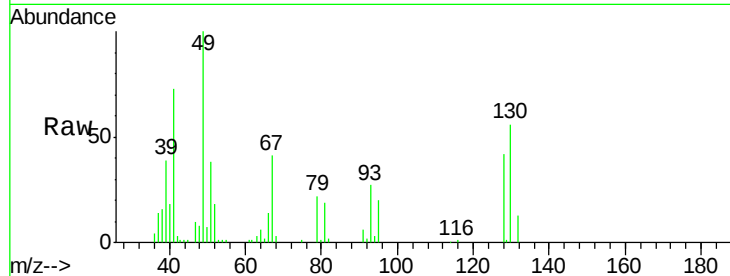
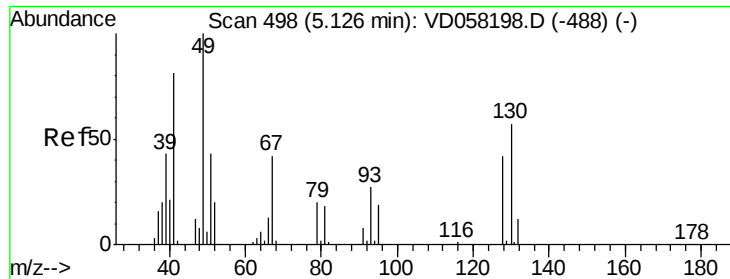
77 22.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

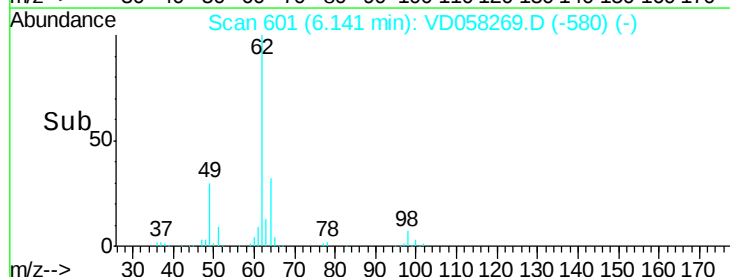
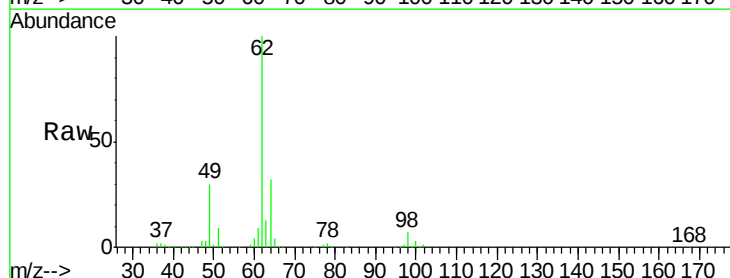
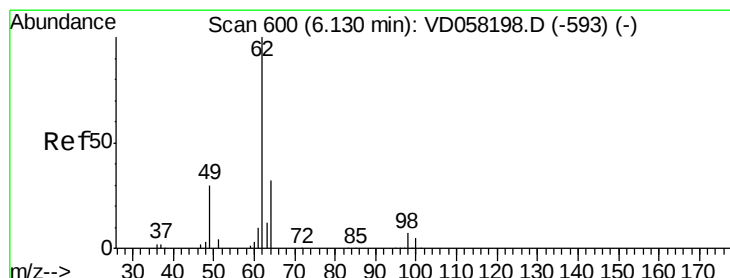
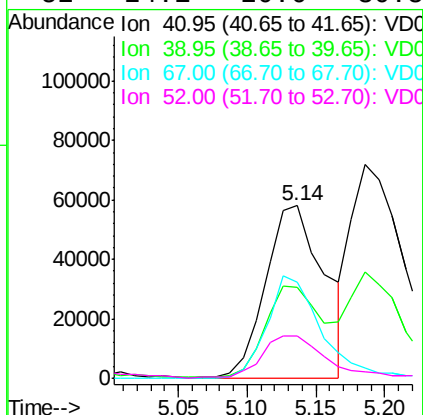




#41
Methacrylonitrile
Concen: 54.676 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

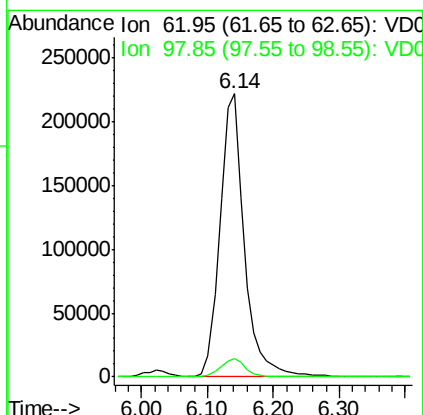
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

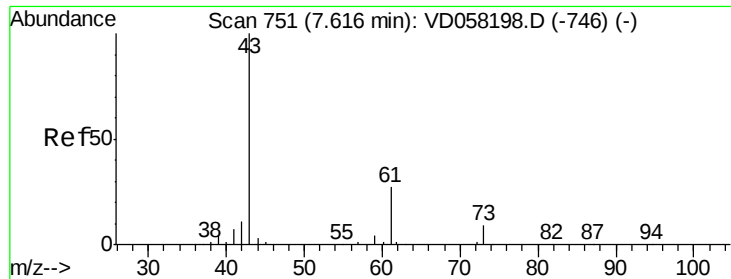
Tot Ion: 41 Resp: 172946
Ion Ratio Lower Upper
41 100
39 52.8 43.4 65.2
67 55.9 41.7 62.5
52 24.1 20.6 30.8



#42
1,2-Dichloroethane
Concen: 51.319 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: 49.582 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

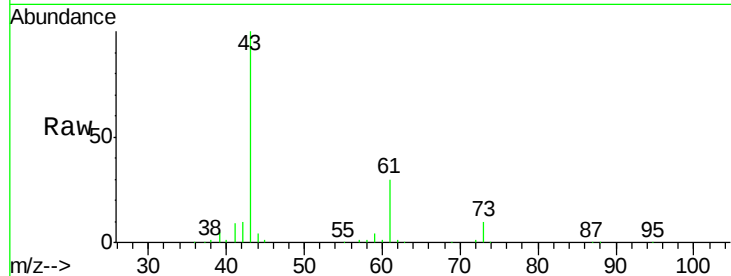
Tot Ion: 43 Resp: 433000

Ion Ratio Lower Upper

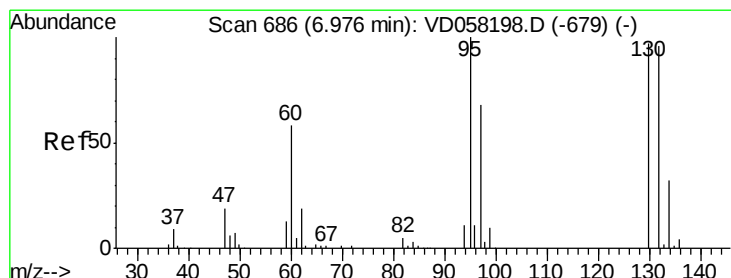
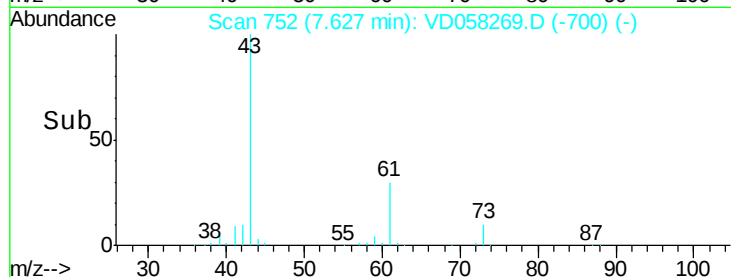
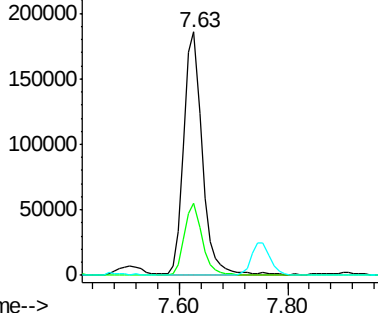
43 100

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: 49.368 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058269.D

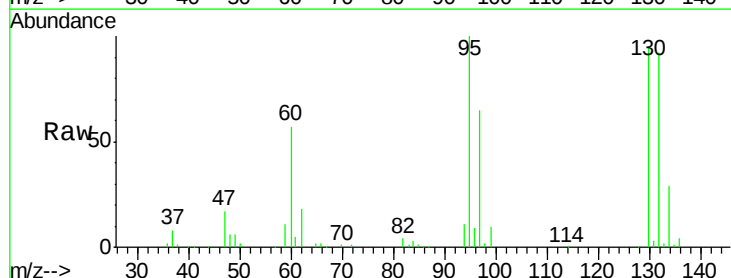
Acq: 22 Jun 2018 00:34

Tgt Ion:130 Resp: 405985

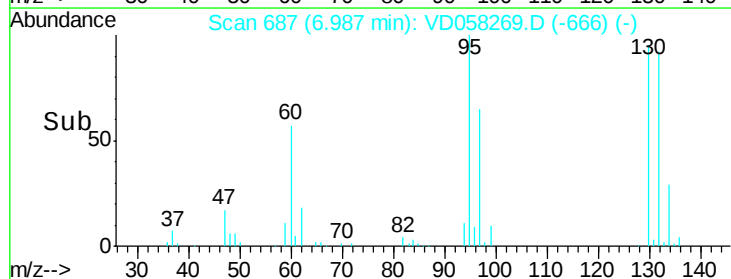
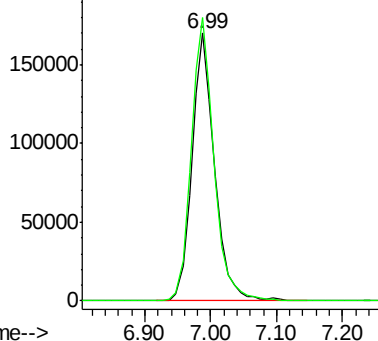
Ion Ratio Lower Upper

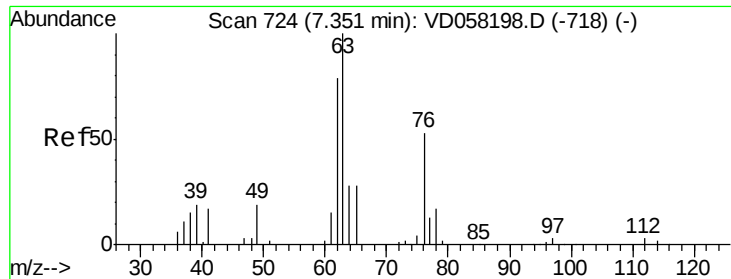
130 100

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: 50.977 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 :

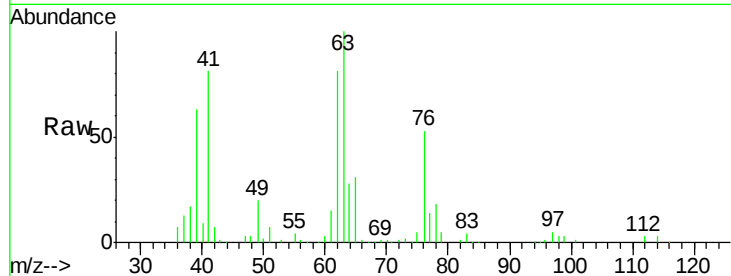
VSTDCCC050

Tot Ion: 63 Resp: 375983

Ion Ratio Lower Upper

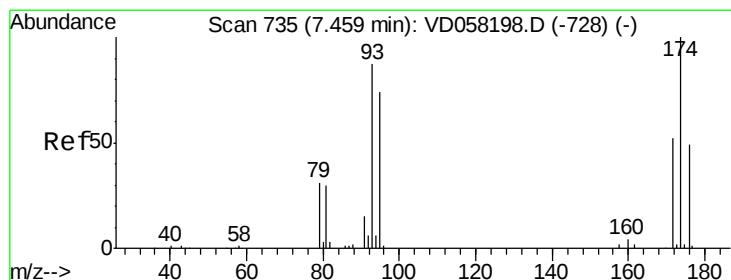
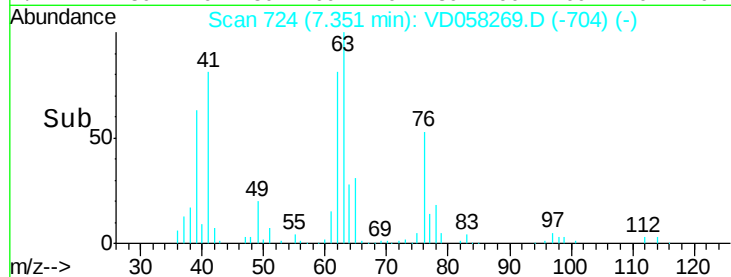
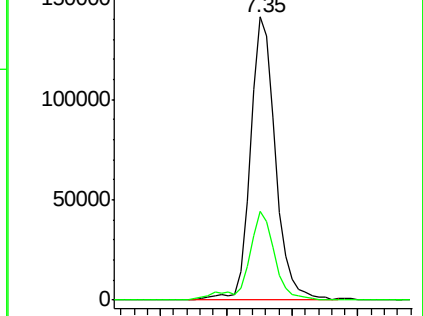
63 100

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



#46

Dibromomethane

Concen: 52.158 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

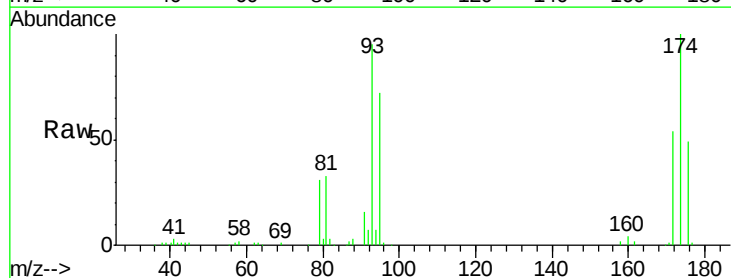
Tgt Ion: 93 Resp: 262617

Ion Ratio Lower Upper

93 100

95 75.3 67.8 101.6

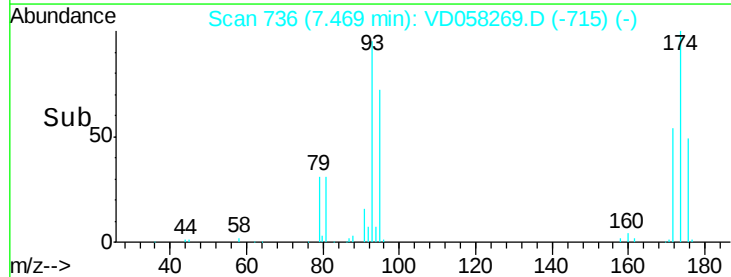
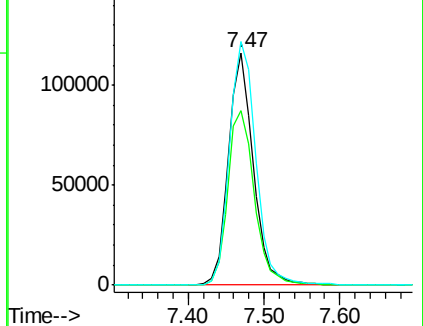
174 104.9 92.2 138.2

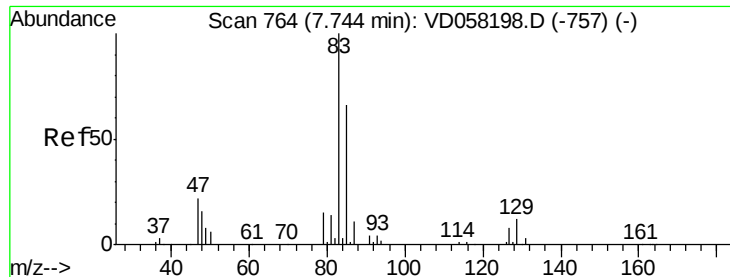


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.011 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

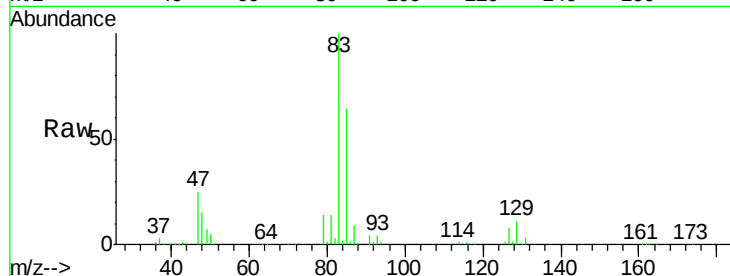
Tot Ion: 83 Resp: 608653

Ion Ratio Lower Upper

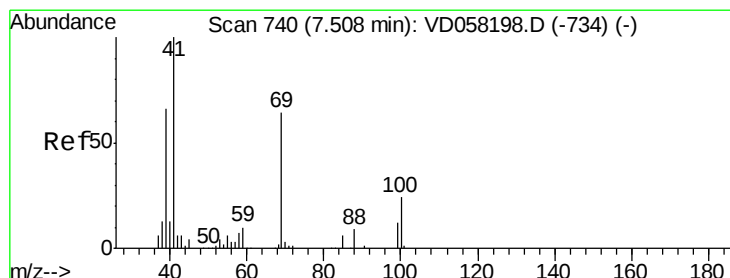
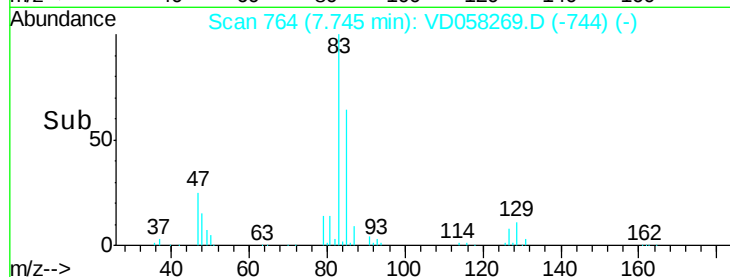
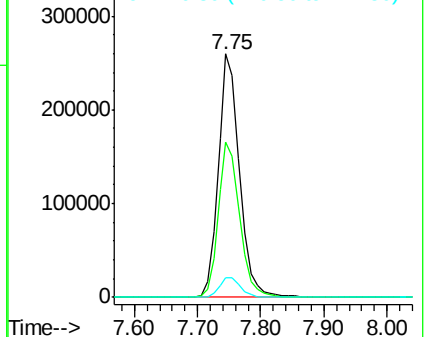
83 100

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: 49.493 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

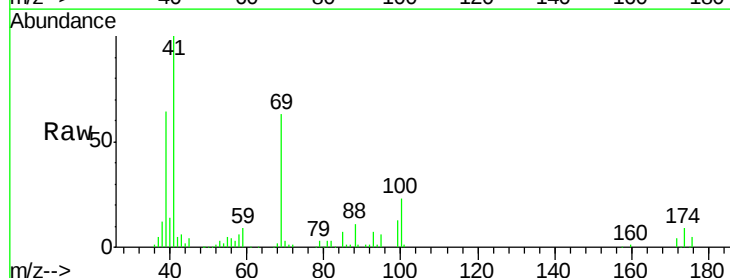
Tgt Ion: 41 Resp: 262693

Ion Ratio Lower Upper

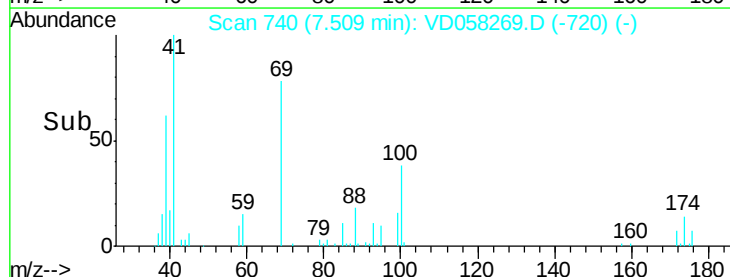
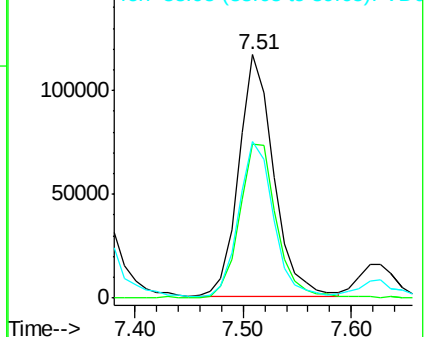
41 100

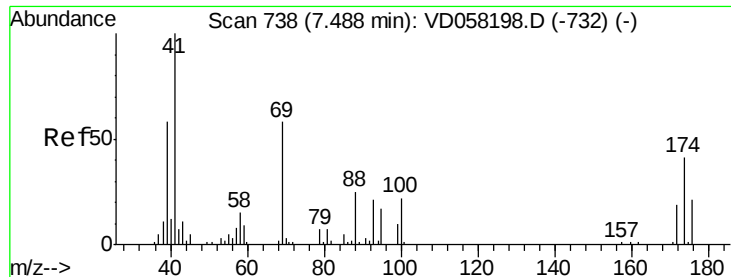
69 63.3 50.7 76.1

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

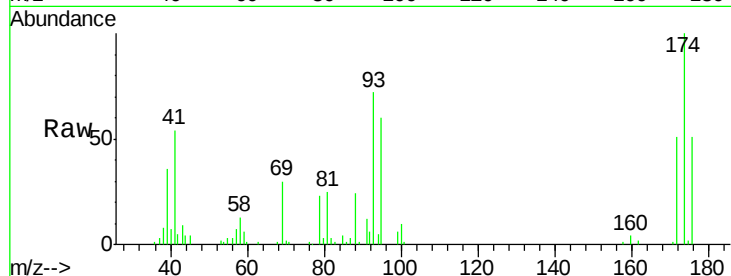




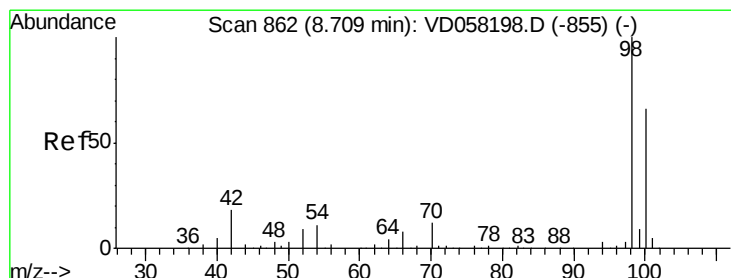
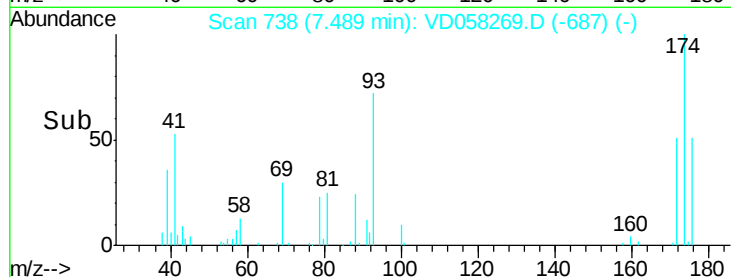
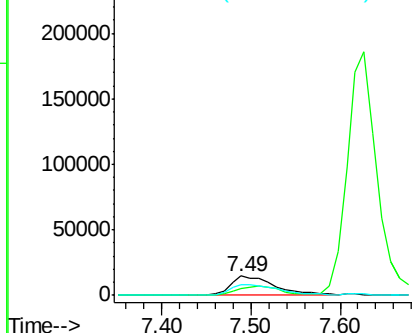
#49
 1,4-Dioxane
 Concen: 1087.755 ug/l
 RT: 7.49 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

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

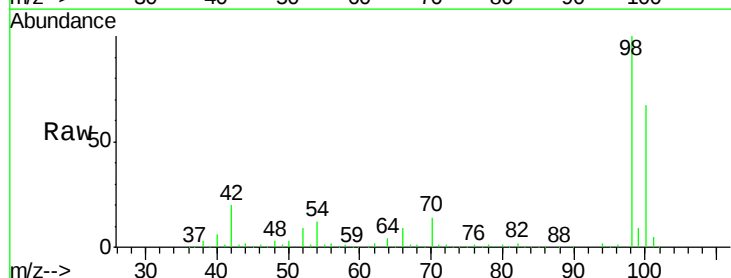


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

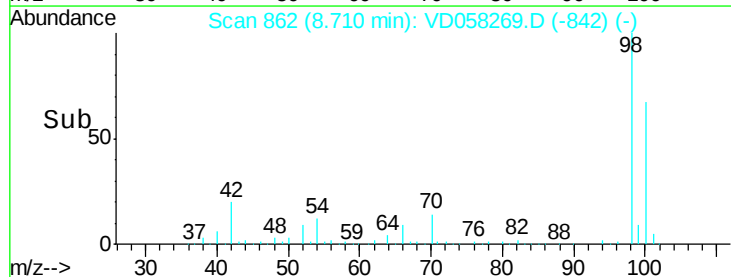
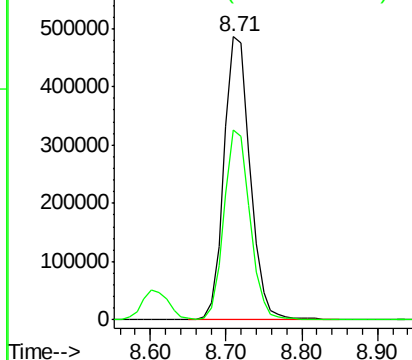


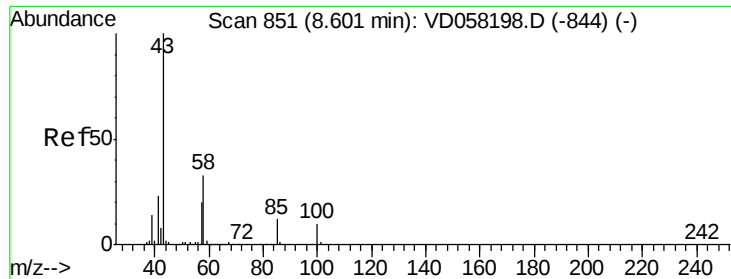
#50
 Toluene-d8
 Concen: 1087.755 ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

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: 241.375 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 :

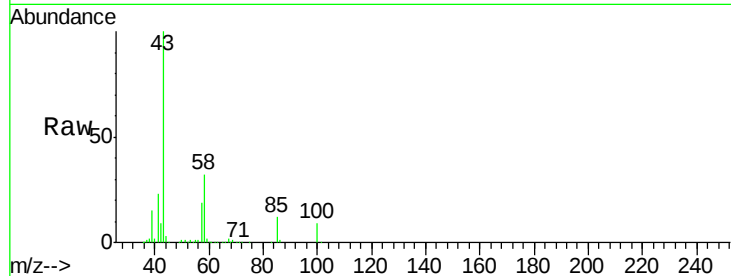
VSTDCCC050

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

8.60

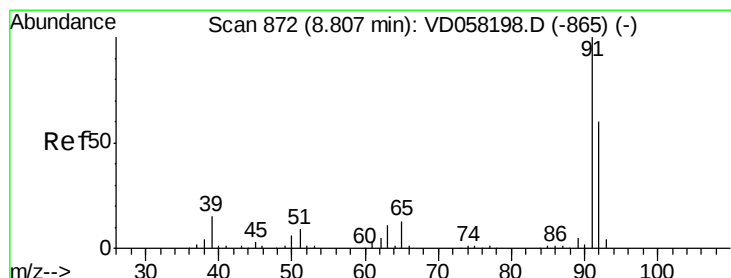
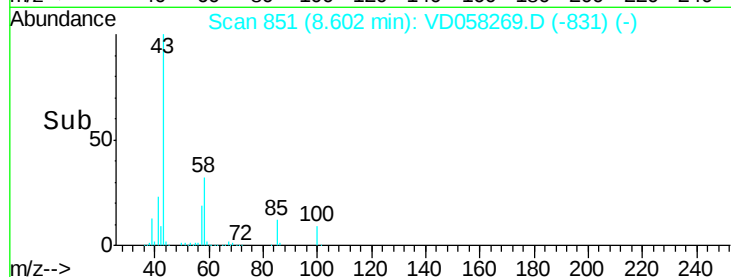
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 45.027 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058269.D

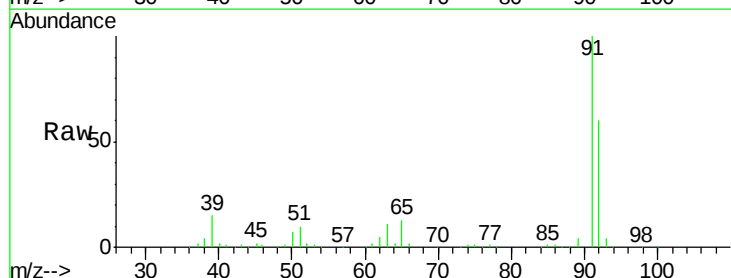
Acq: 22 Jun 2018 00:34

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

8.81

600000

500000

400000

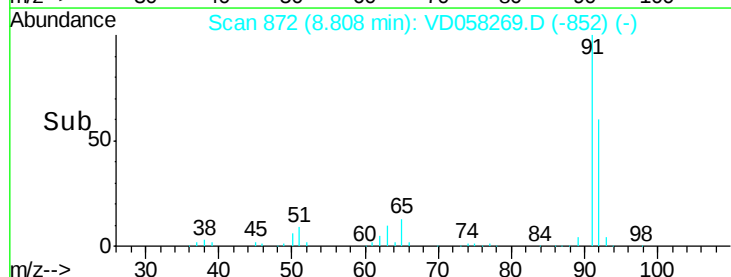
300000

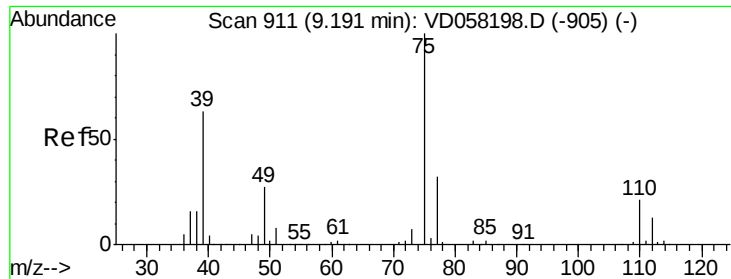
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.759 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 :

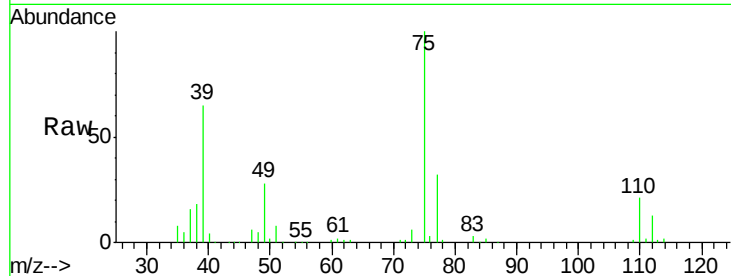
VSTDCCC050

Tot Ion: 75 Resp: 496716

Ion Ratio Lower Upper

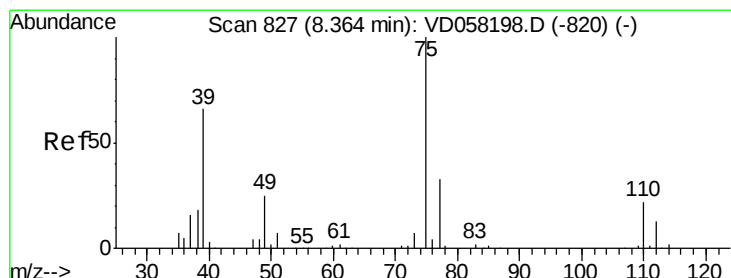
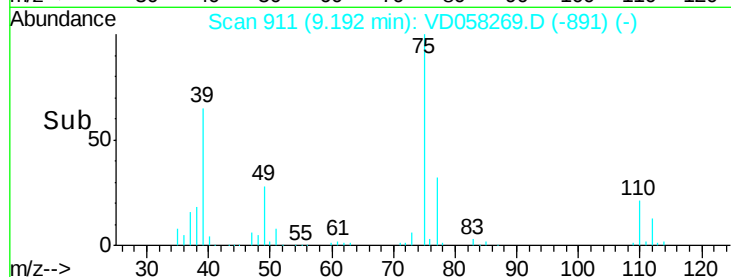
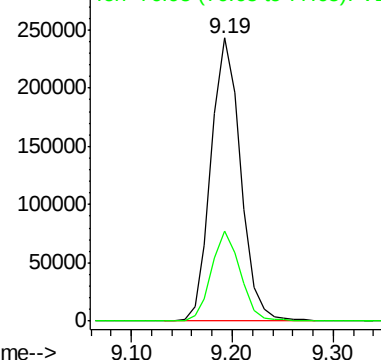
75 100

77 31.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 49.224 ug/l

RT: 8.37 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

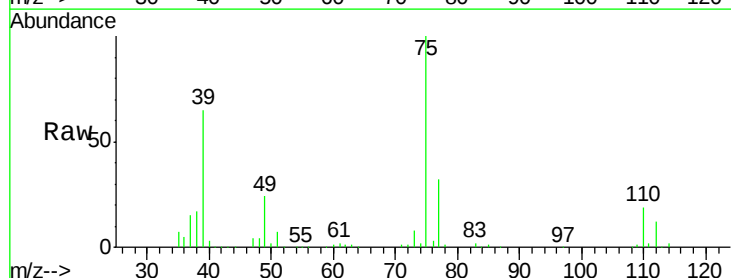
Tgt Ion: 75 Resp: 576064

Ion Ratio Lower Upper

75 100

77 31.7 26.5 39.7

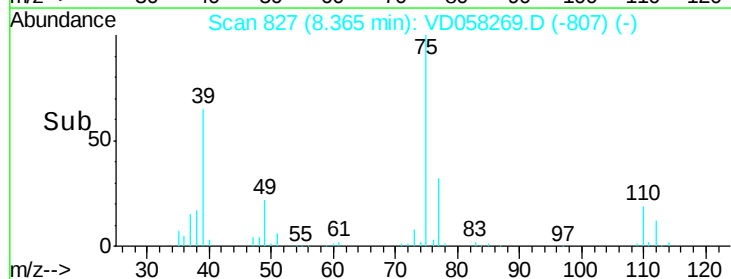
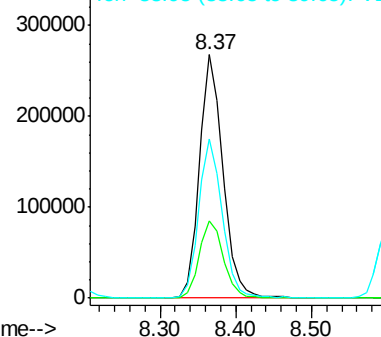
39 65.2 52.9 79.3

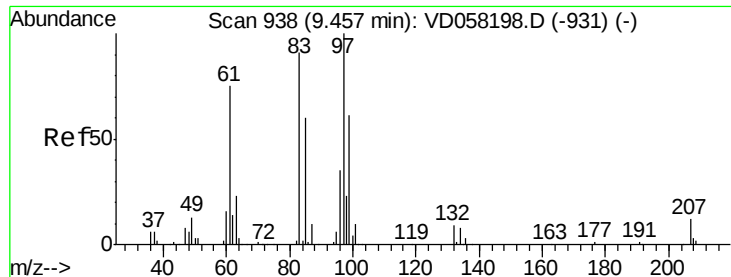


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

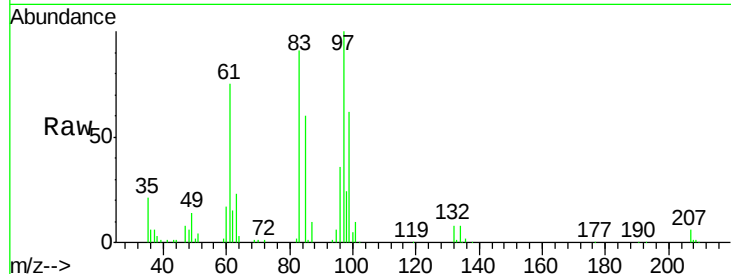




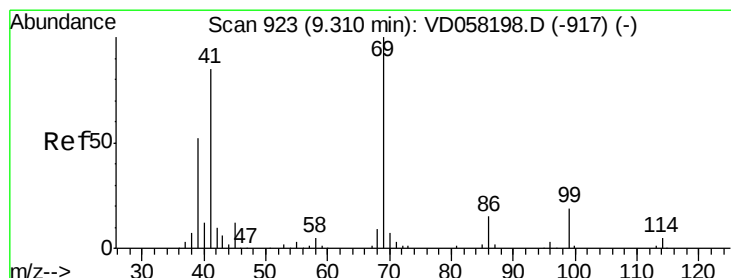
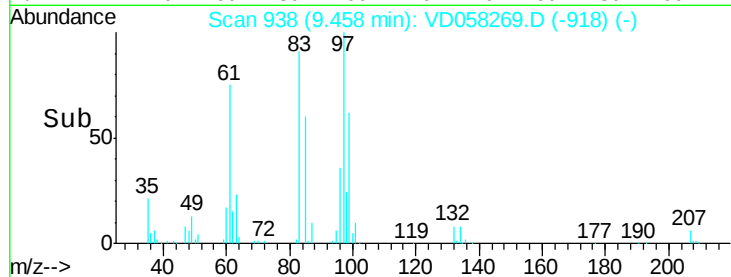
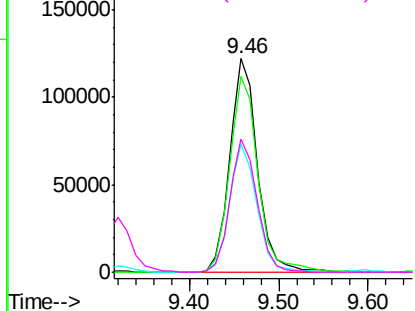
#55
1,1,2-Trichloroethane
Concen: 48.179 ug/l
RT: 9.46 min Scan# 938
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

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

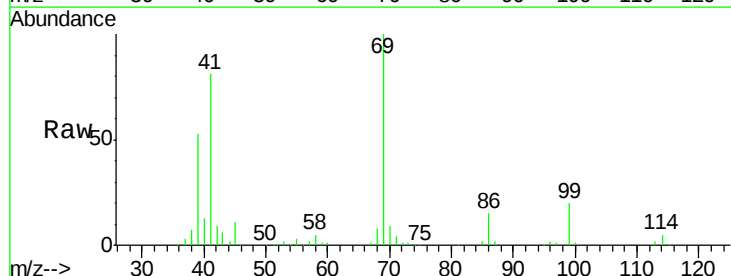


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

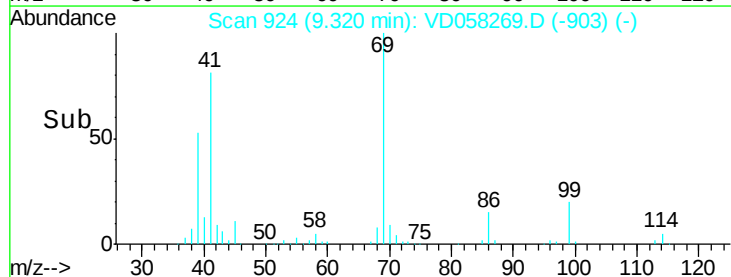
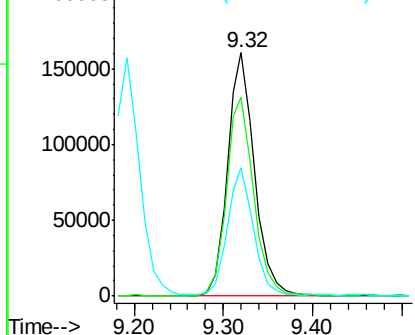


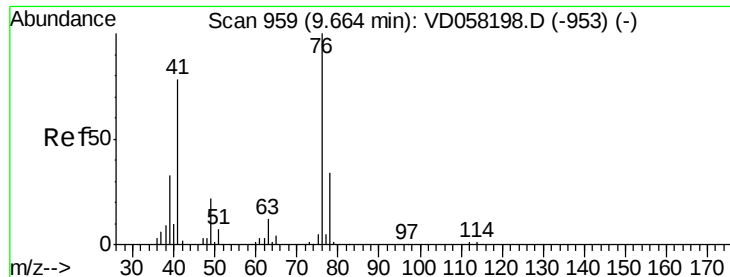
#56
Ethyl methacrylate
Concen: 51.627 ug/l
RT: 9.32 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

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





#57

1,3-Dichloropropane

Concen: 50.862 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 :

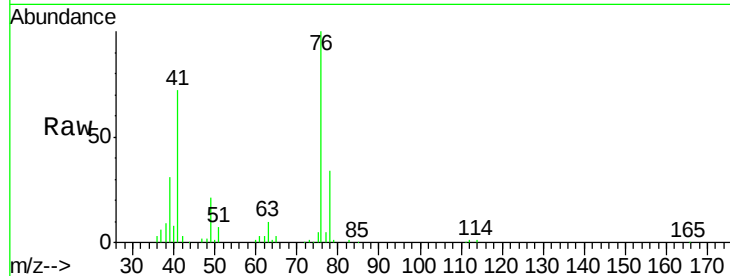
VSTDCCC050

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

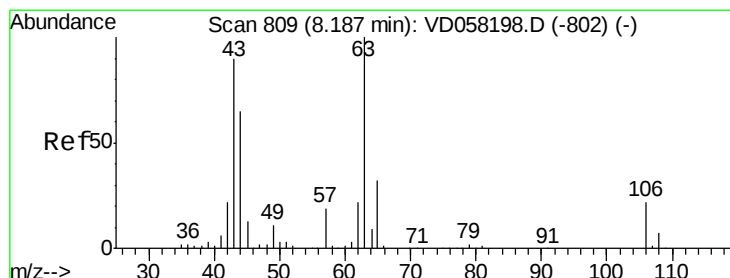
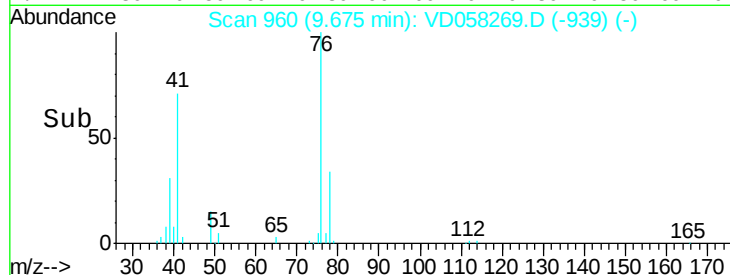
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.065 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058269.D

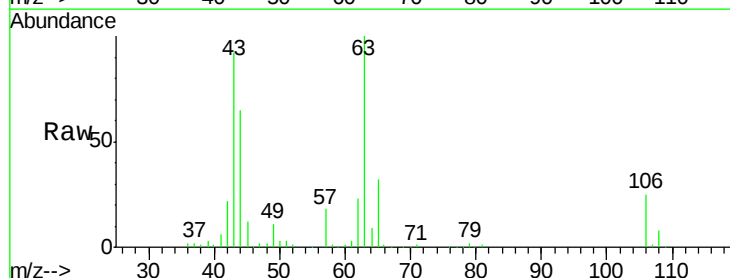
Acq: 22 Jun 2018 00:34

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

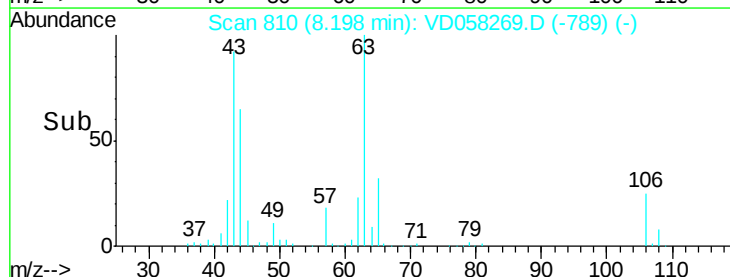
300000

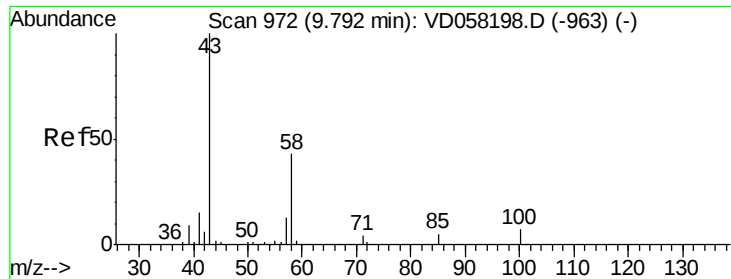
200000

100000

0

Time-->

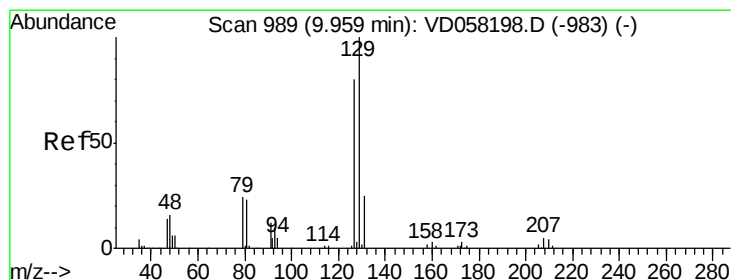
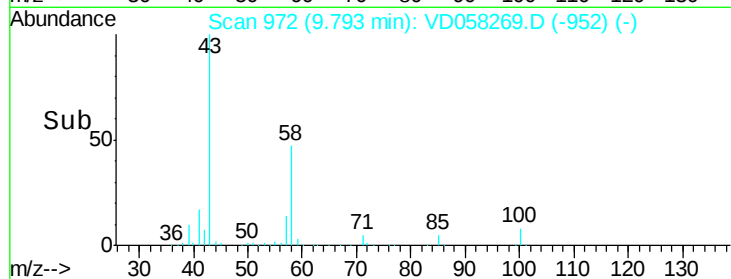
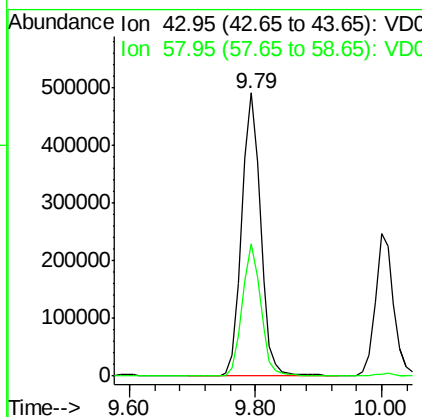
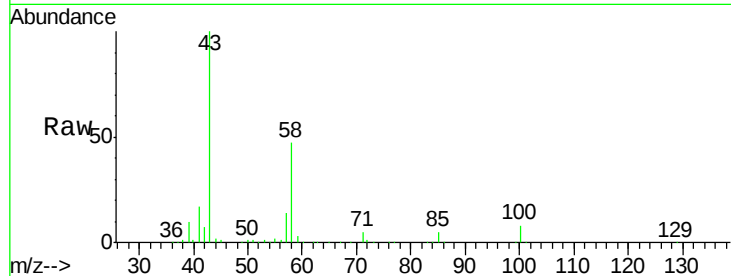




#59
2-Hexanone
Concen: 245.655 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

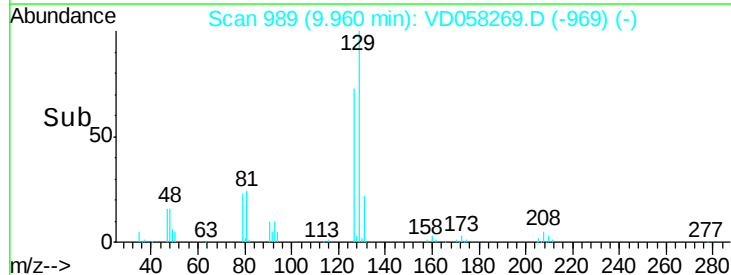
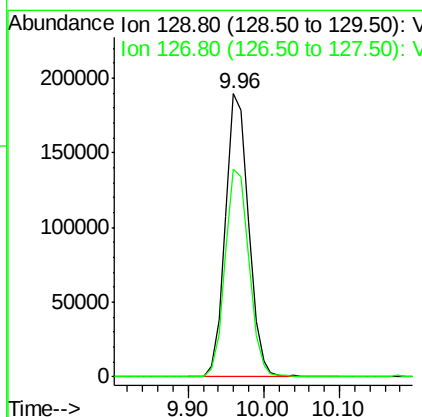
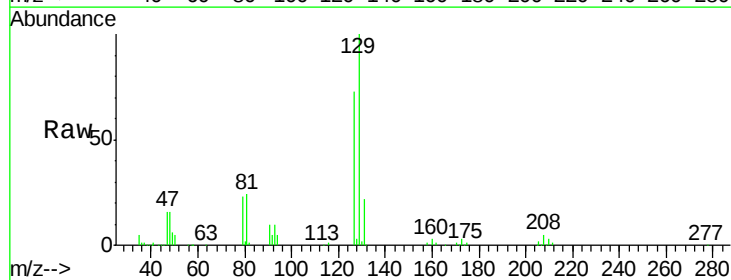
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



#60
Dibromochloromethane
Concen: 53.676 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: 52.252 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 :

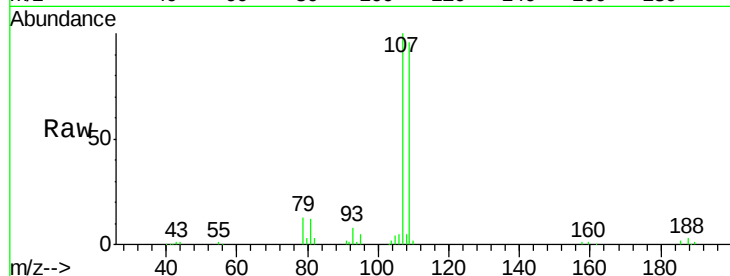
VSTDCCC050

Tot Ion: 107 Resp: 315530

Ion Ratio Lower Upper

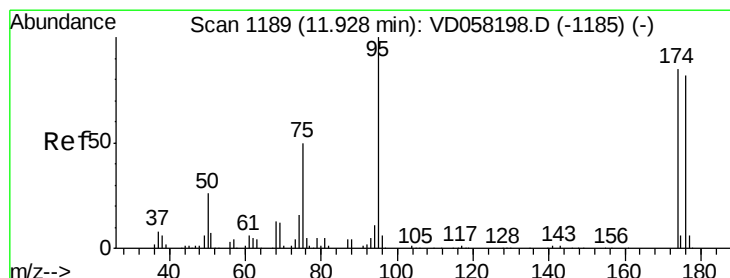
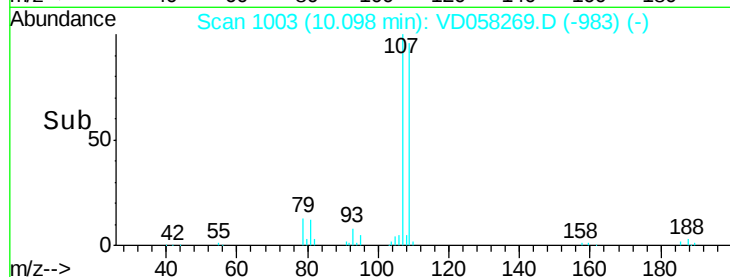
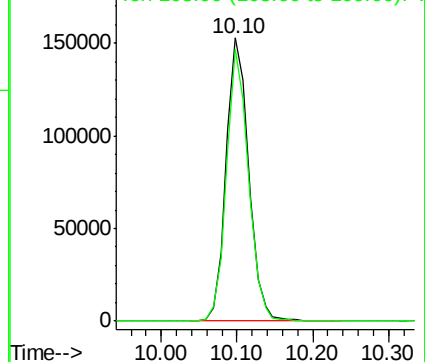
107 100

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: 52.252 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

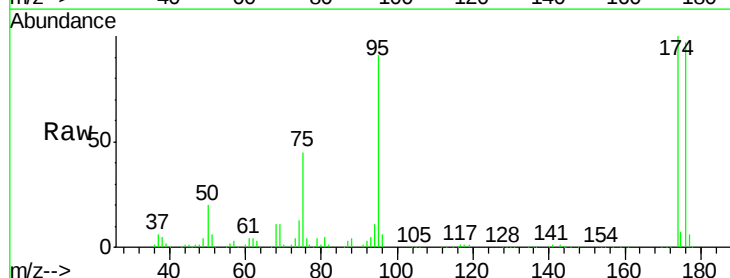
Tgt Ion: 95 Resp: 495001

Ion Ratio Lower Upper

95 100

174 109.4 0.0 170.2

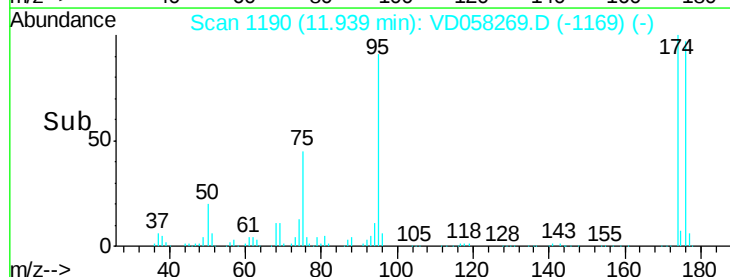
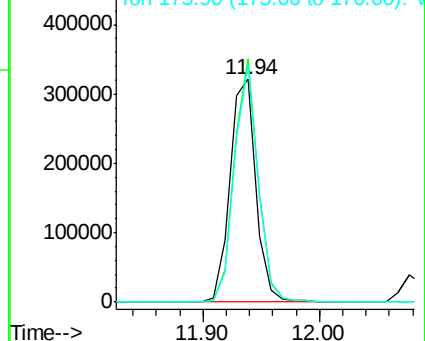
176 106.6 0.0 164.6

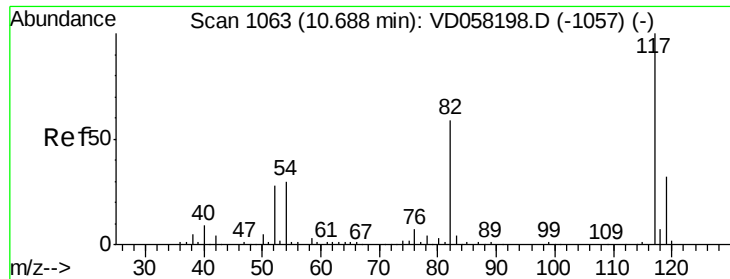


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 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

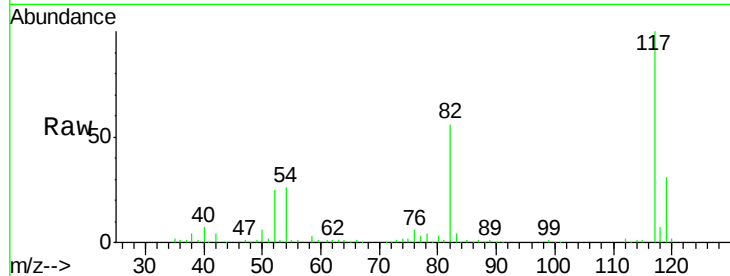
Tot Ion:117 Resp: 924708

Ion Ratio Lower Upper

117 100

82 56.0 47.0 70.6

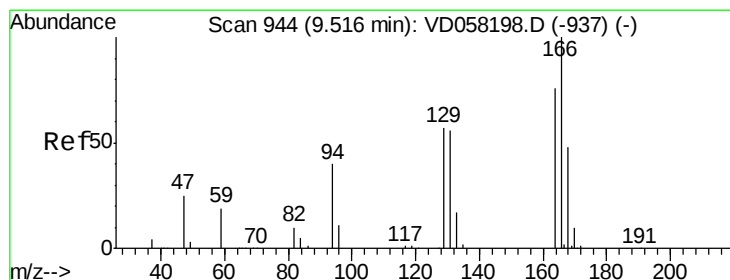
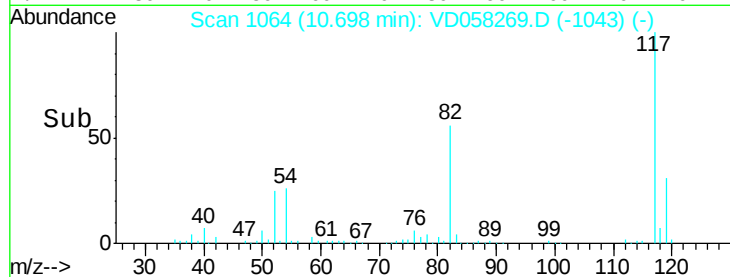
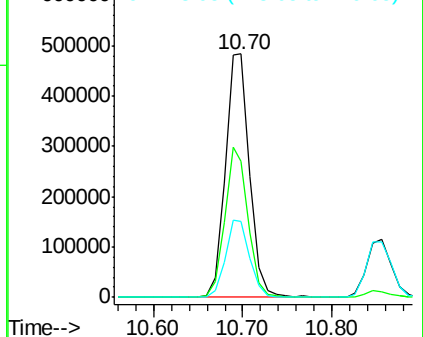
119 31.1 25.3 37.9



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: 53.294 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

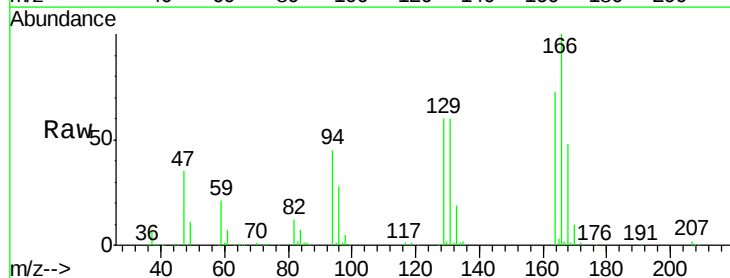
Ion Ratio Lower Upper

164 100

166 137.8 105.4 158.0

129 83.3 59.6 89.4

131 83.0 59.4 89.2

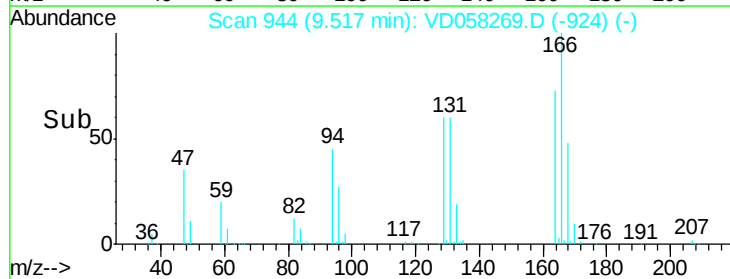
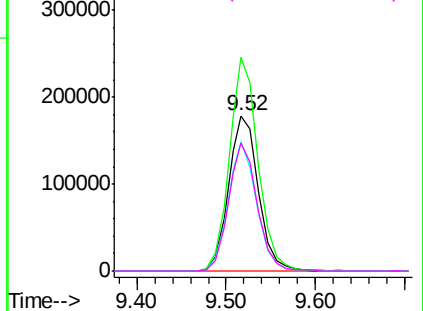


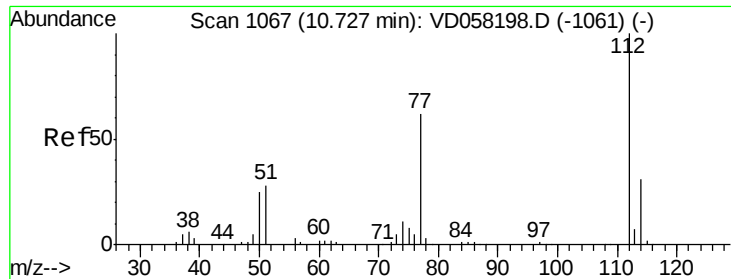
Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.255 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 :

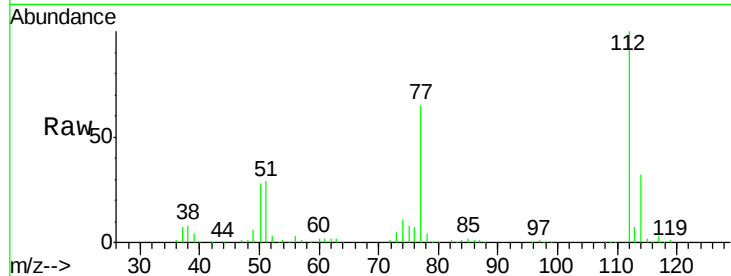
VSTDCCC050

Tot Ion:112 Resp: 869265

Ion Ratio Lower Upper

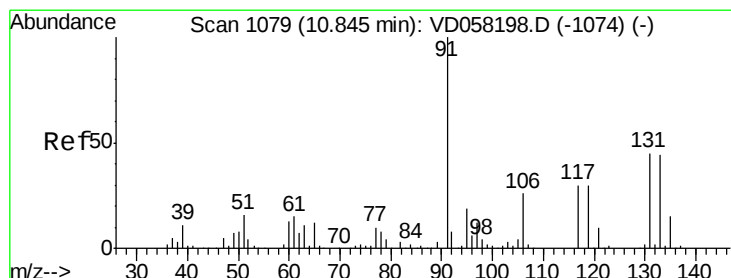
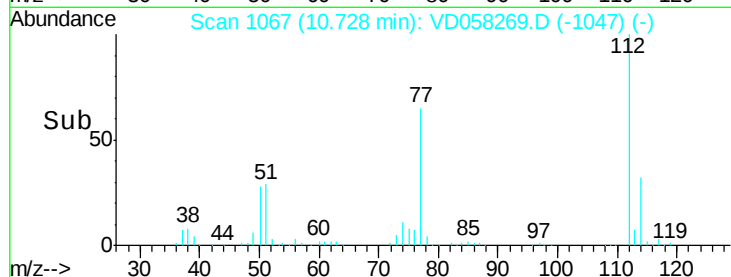
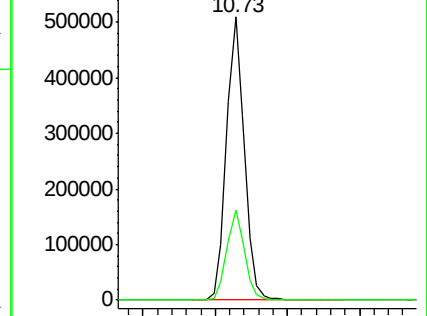
112 100

114 31.9 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.224 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

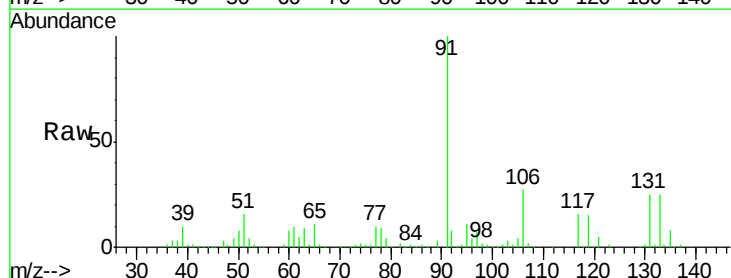
Tgt Ion:131 Resp: 335252

Ion Ratio Lower Upper

131 100

133 99.0 48.6 145.9

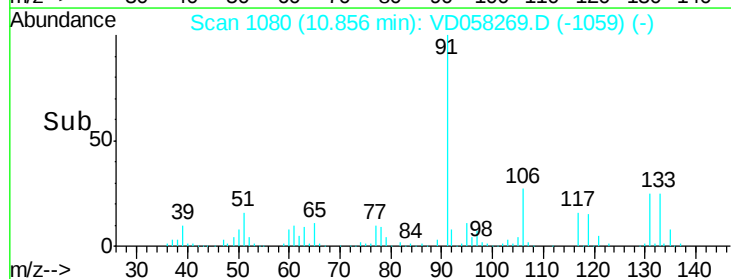
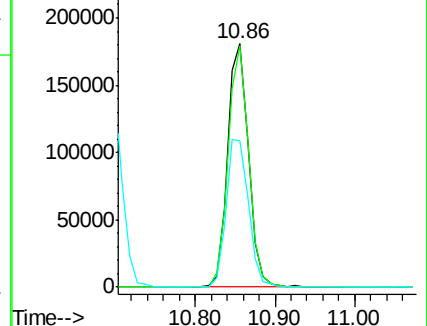
119 60.3 33.0 99.0



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

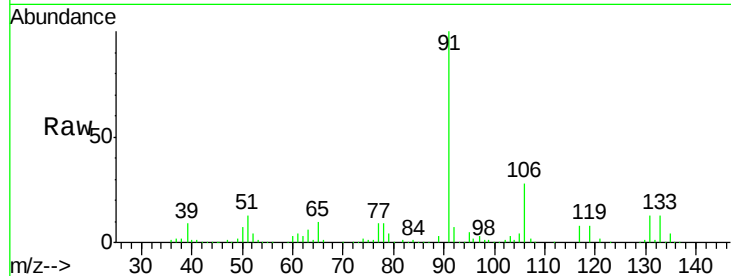




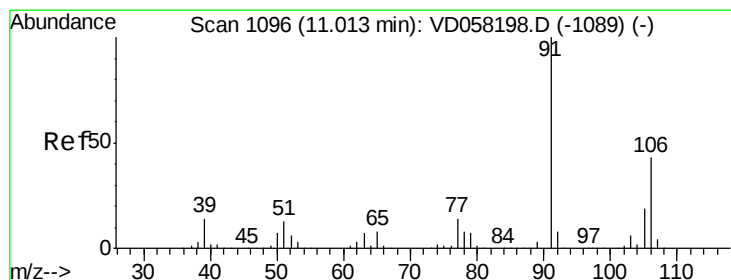
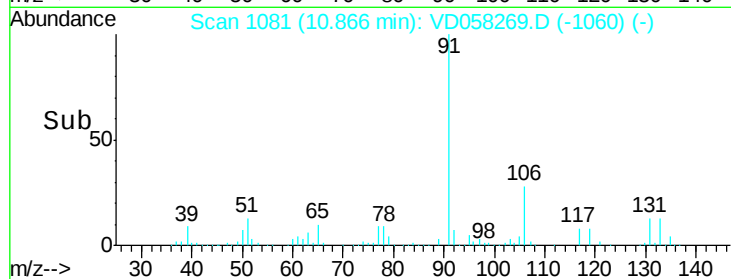
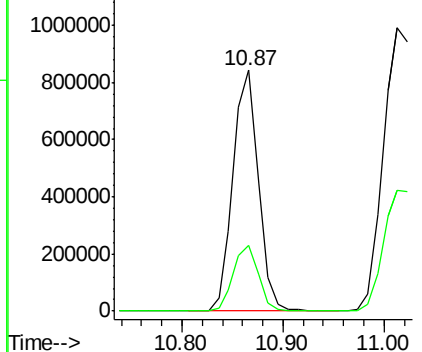
#67
Ethyl Benzene
Concen: 48.278 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1474281
Ion Ratio Lower Upper
91 100
106 27.6 22.0 33.0

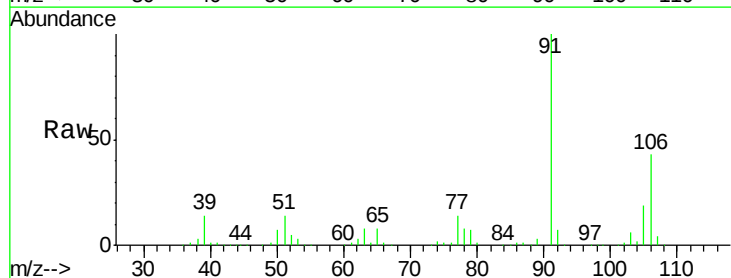


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

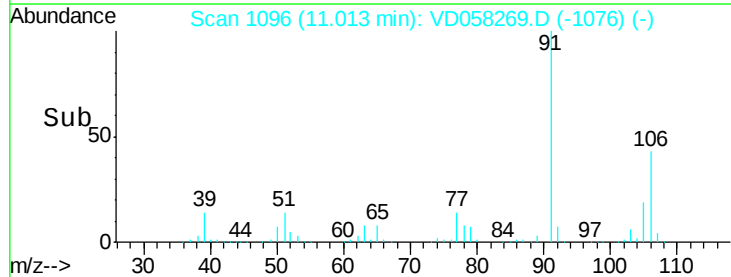
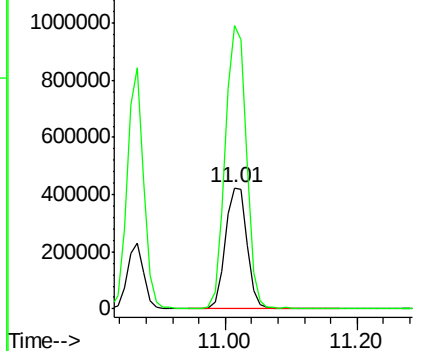


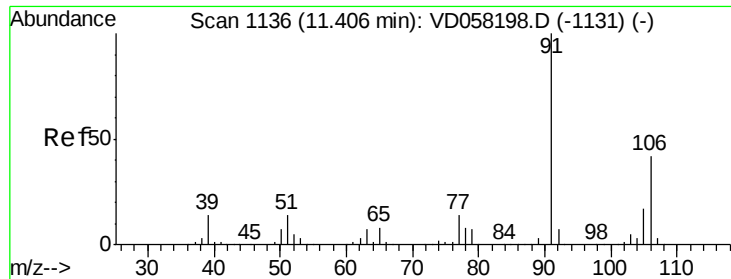
#68
m/p-Xylenes
Concen: 94.987 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

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

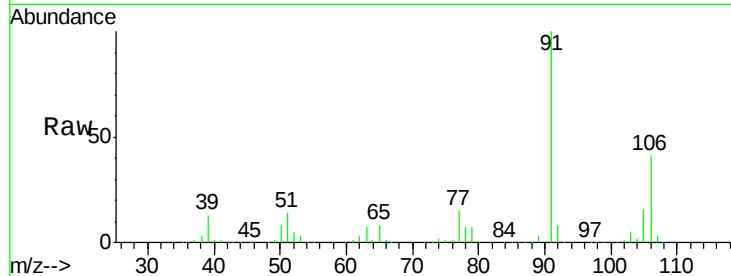




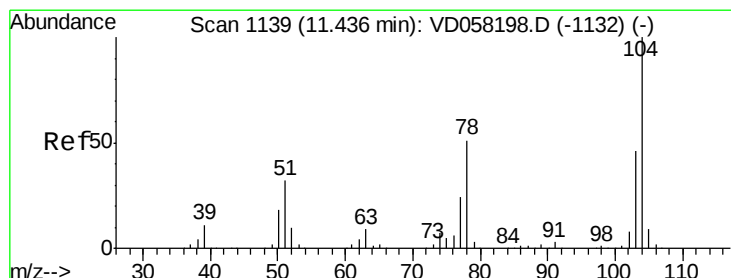
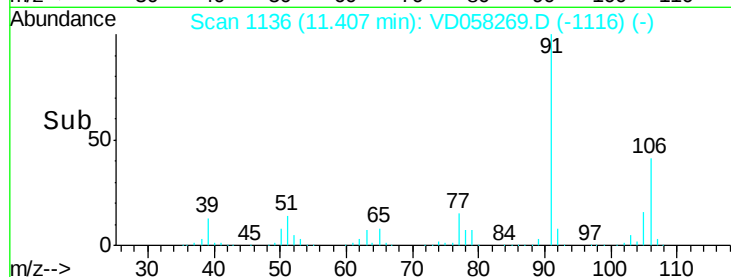
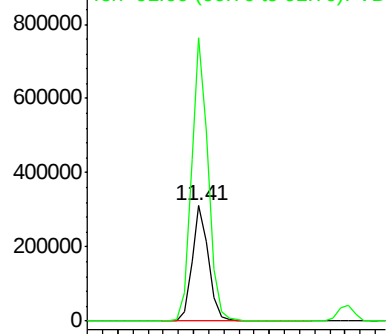
#69
o-Xylene
Concen: 48.660 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

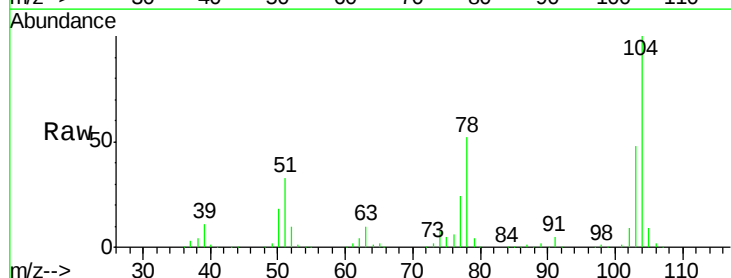


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

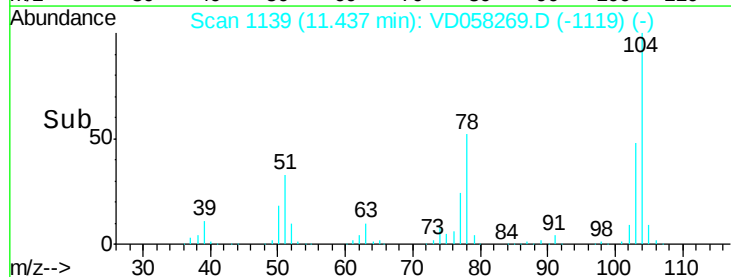
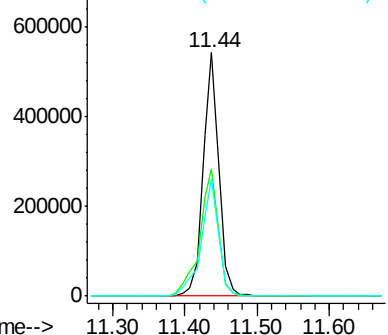


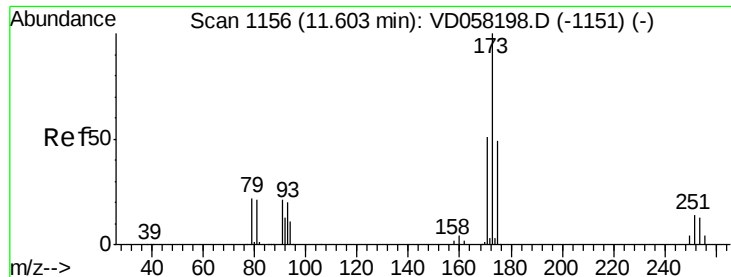
#70
Styrene
Concen: 49.064 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

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





#71

Bromoform

Concen: 54.436 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

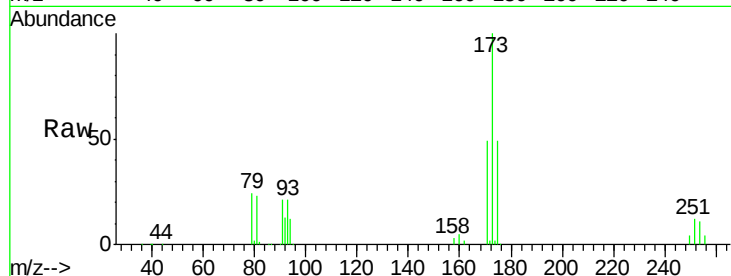
Tot Ion:173 Resp: 289864

Ion Ratio Lower Upper

173 100

175 48.7 24.6 74.0

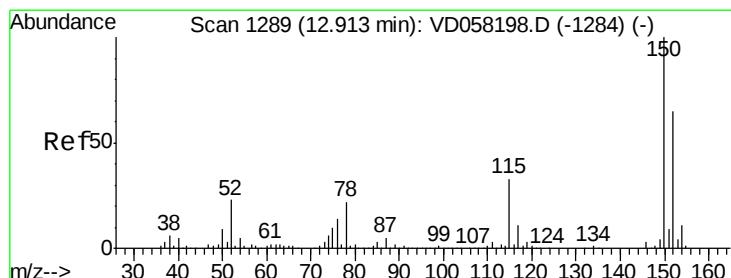
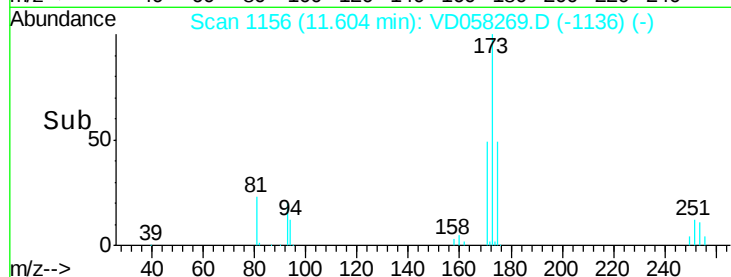
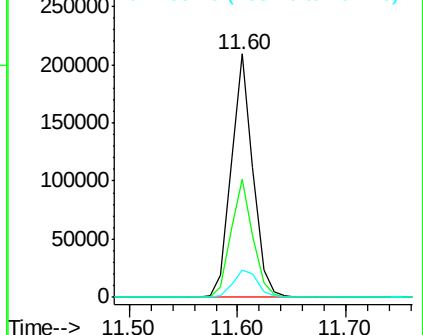
254 11.4 10.3 15.5



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: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

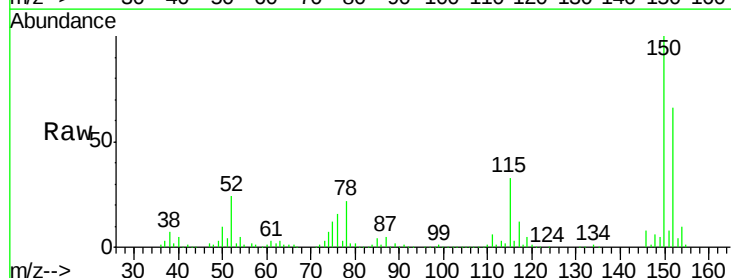
Tgt Ion:152 Resp: 454116

Ion Ratio Lower Upper

152 100

115 49.9 25.1 75.3

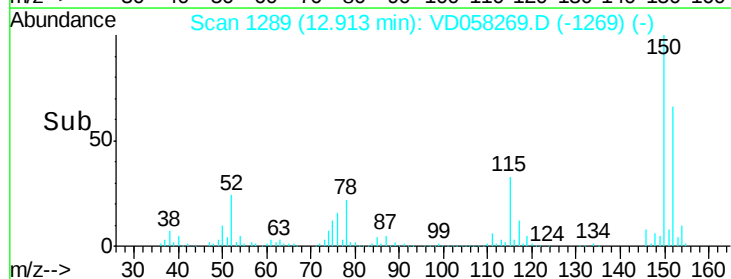
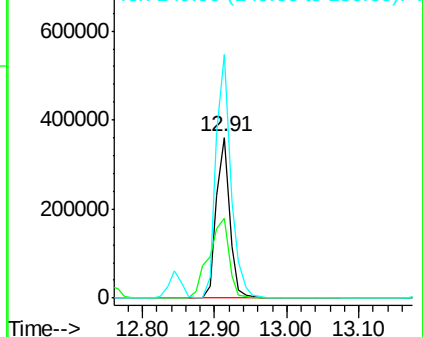
150 151.4 0.0 308.8

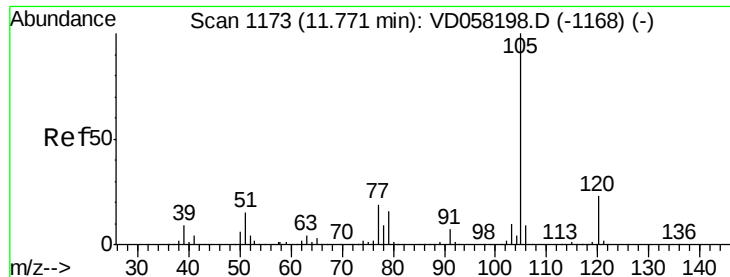


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.352 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 :

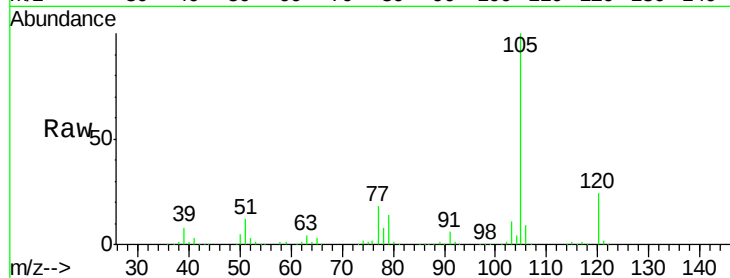
VSTDCCC050

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

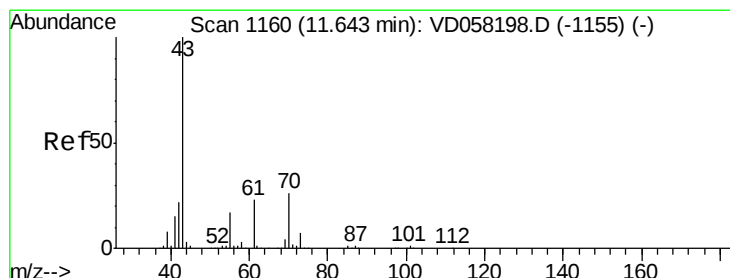
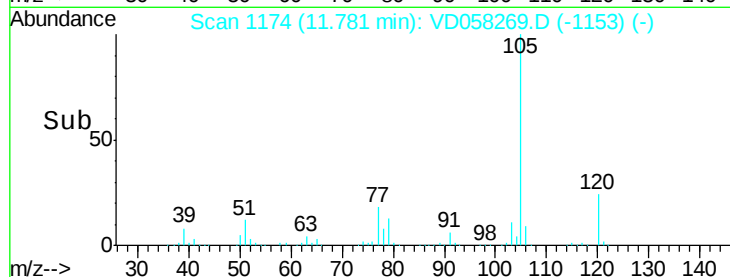
400000

200000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 50.767 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

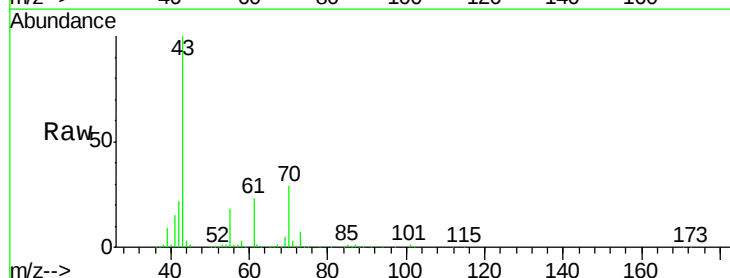
Ion Ratio Lower Upper

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): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

300000

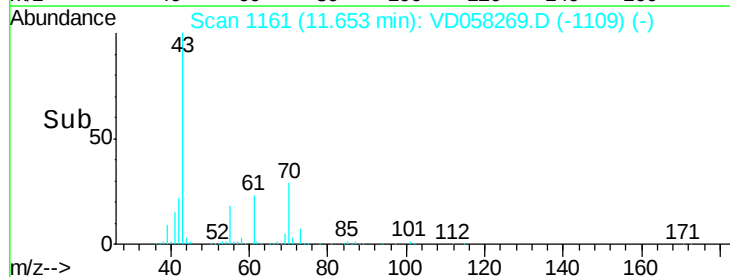
200000

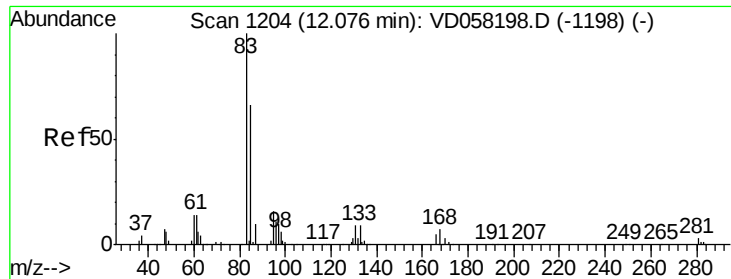
100000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 54.610 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

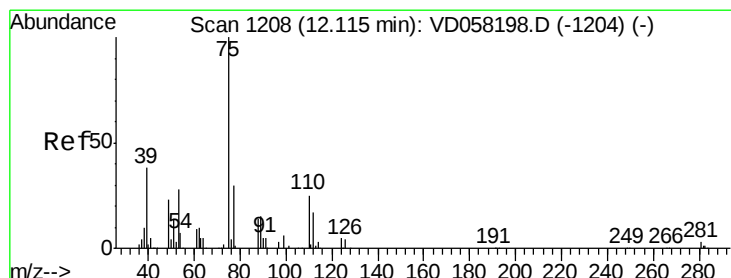
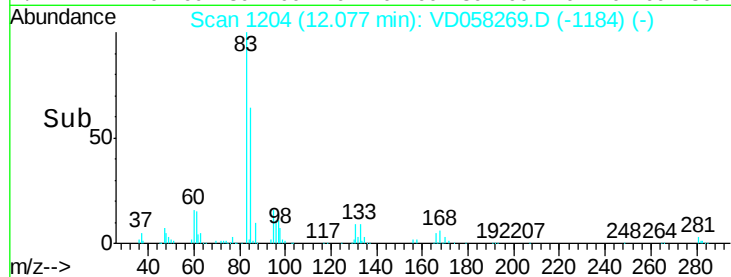
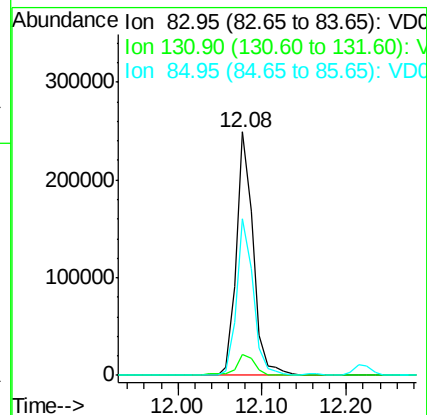
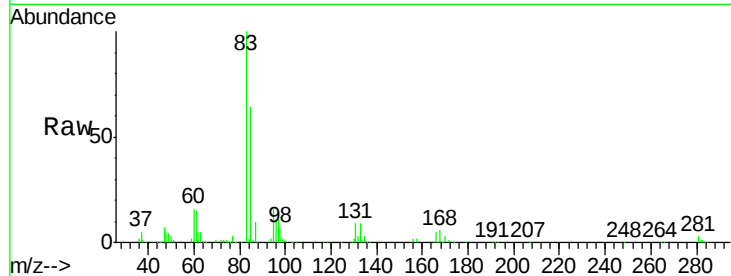
Tot Ion: 83 Resp: 345195

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.3

85 64.5 33.1 99.5



#76

1,2,3-Trichloropropane

Concen: 52.366 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058269.D

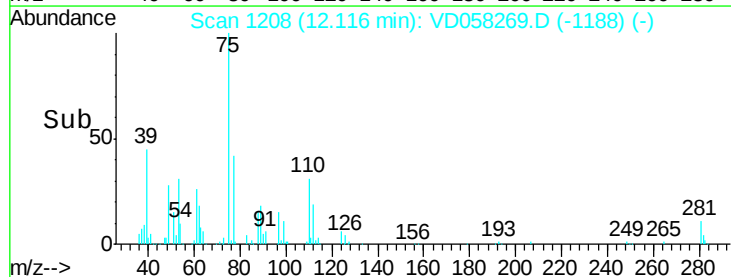
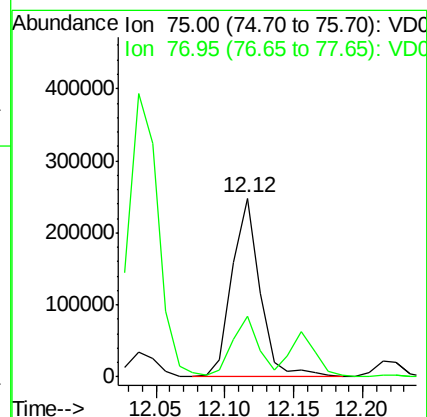
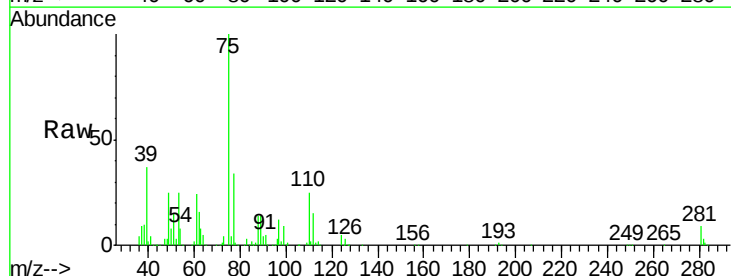
Acq: 22 Jun 2018 00:34

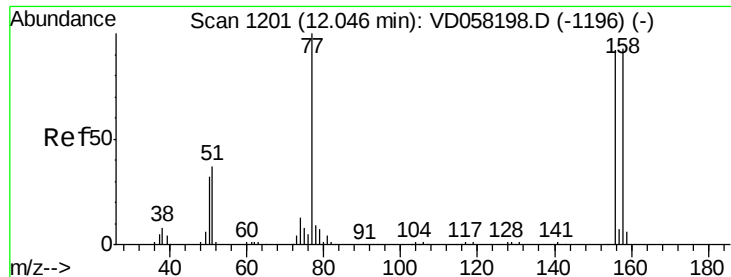
Tgt Ion: 75 Resp: 347198

Ion Ratio Lower Upper

75 100

77 34.1 16.0 47.9





#77

Bromobenzene

Concen: 53.300 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

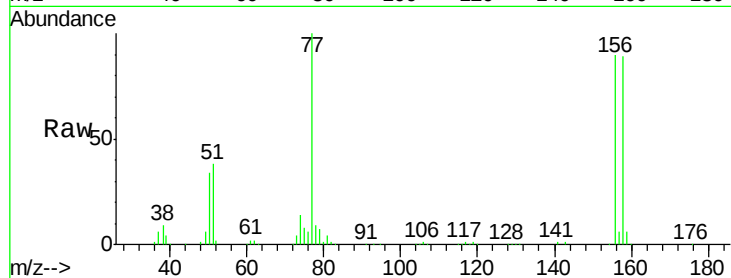
Tot Ion:156 Resp: 433533

Ion Ratio Lower Upper

156 100

77 110.7 54.5 163.6

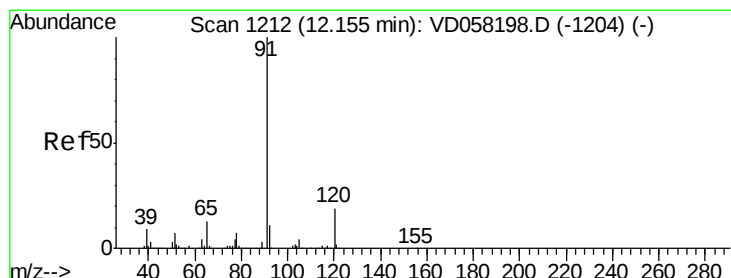
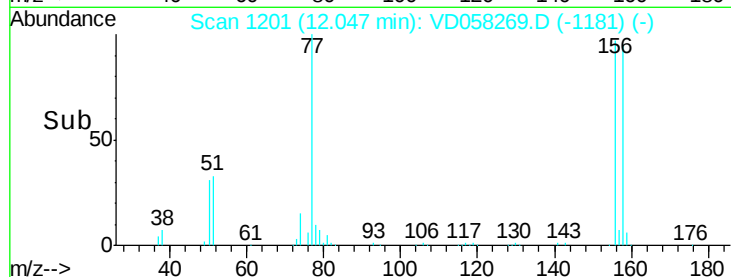
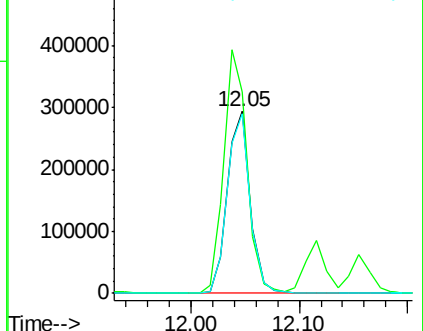
158 98.7 50.8 152.5



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: 51.963 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058269.D

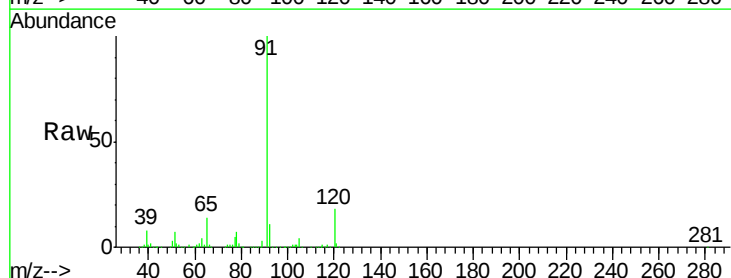
Acq: 22 Jun 2018 00:34

Tgt Ion: 91 Resp: 1822765

Ion Ratio Lower Upper

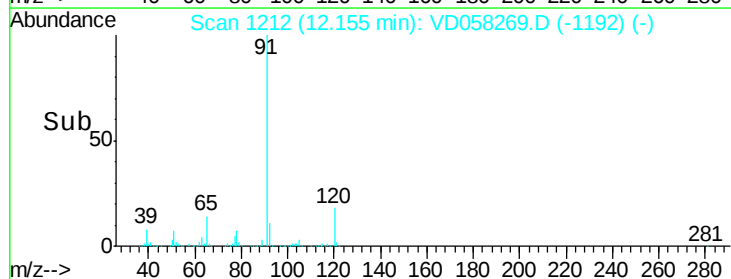
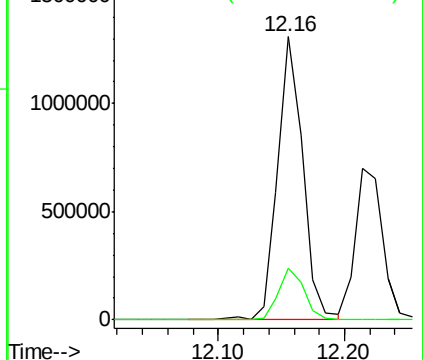
91 100

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

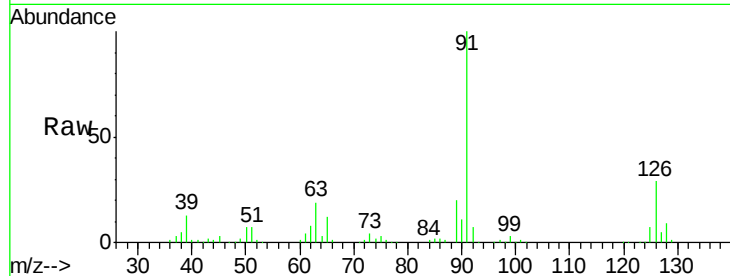




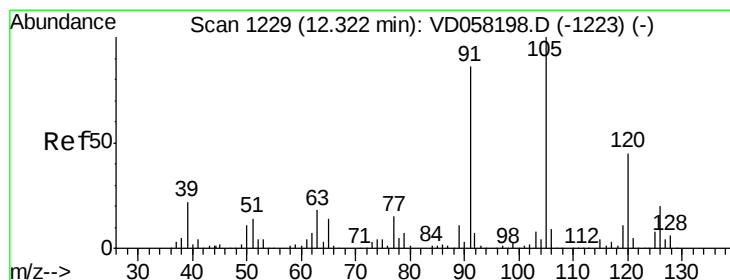
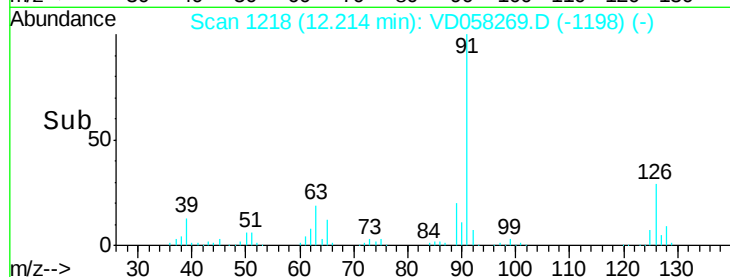
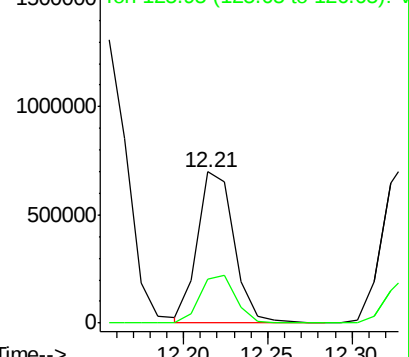
#79
 2-Chlorotoluene
 Concen: 52.165 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1047095
 Ion Ratio Lower Upper
 91 100
 126 29.0 14.9 44.5

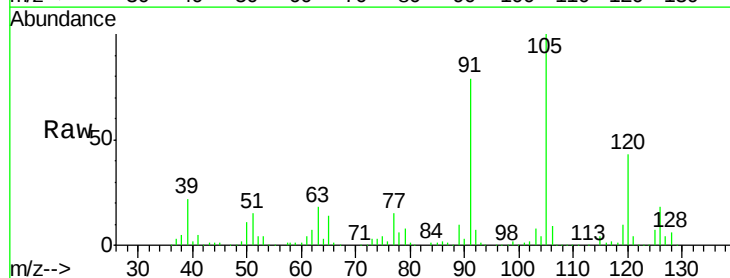


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

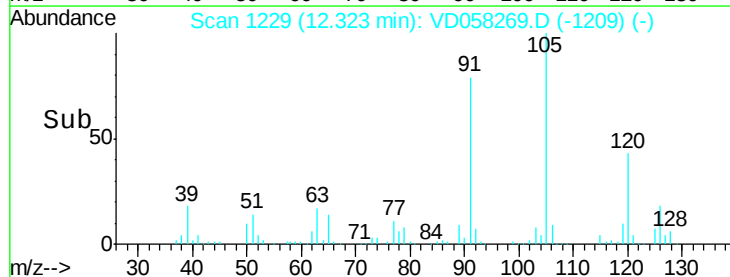
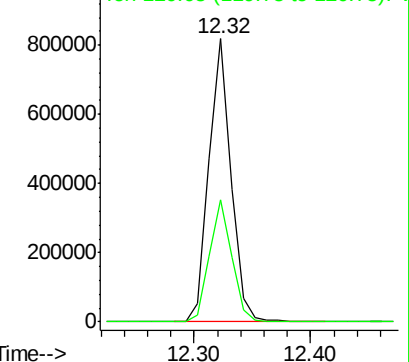


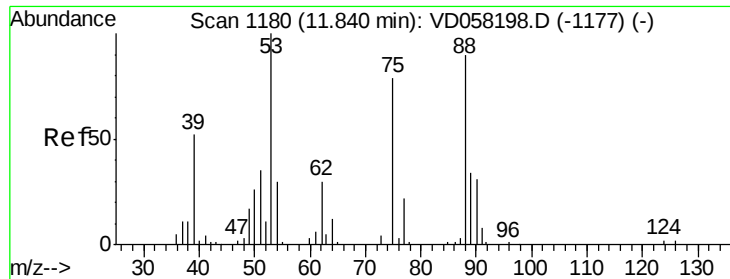
#80
 1,3,5-Trimethylbenzene
 Concen: 50.662 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

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: 48.845 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

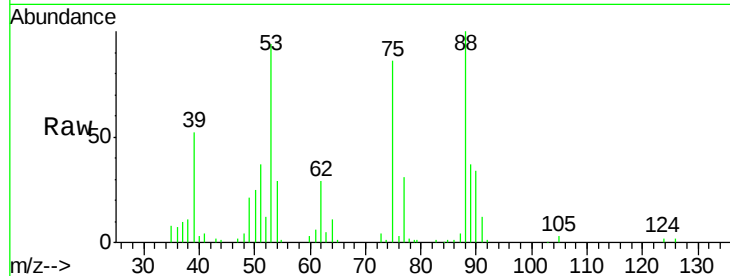
Tot Ion: 75 Resp: 78985

Ion Ratio Lower Upper

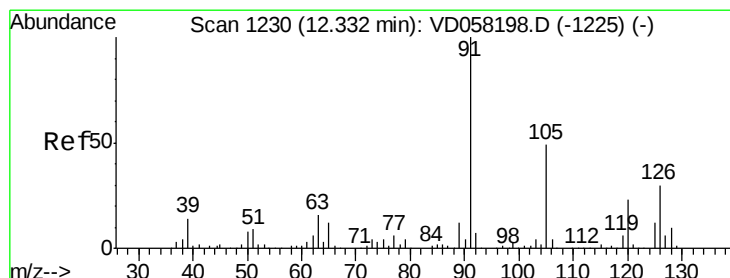
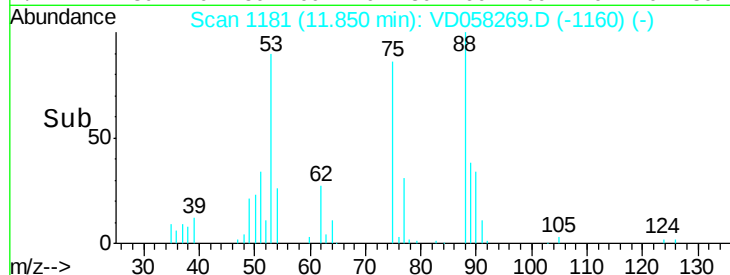
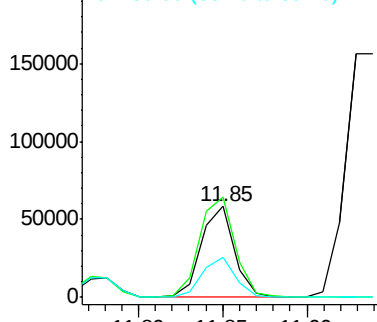
75 100

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: 58.676 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058269.D

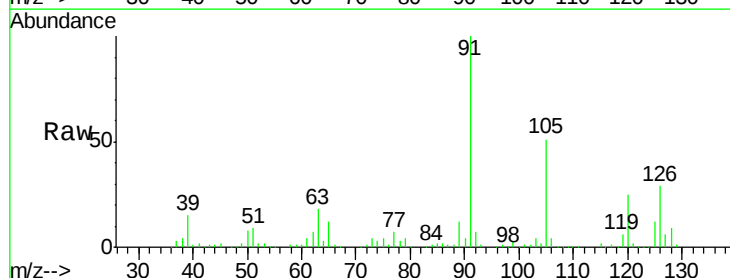
Acq: 22 Jun 2018 00:34

Tgt Ion: 91 Resp: 1129367

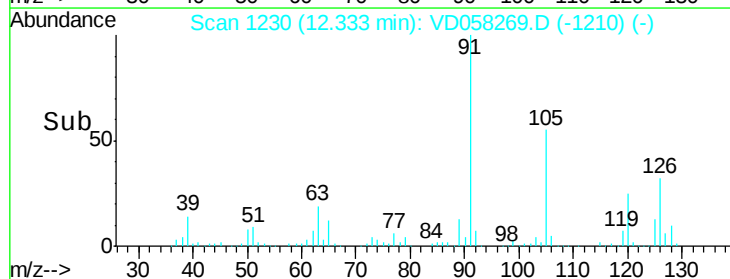
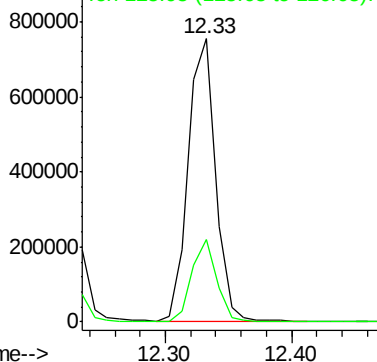
Ion Ratio Lower Upper

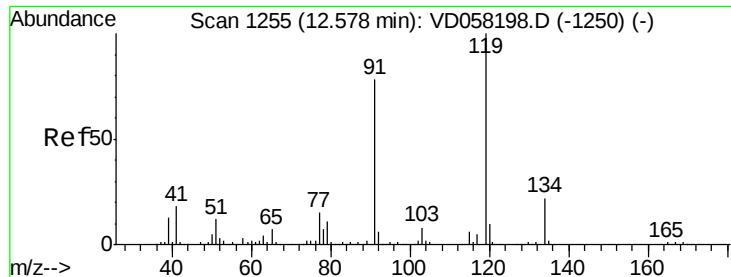
91 100

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

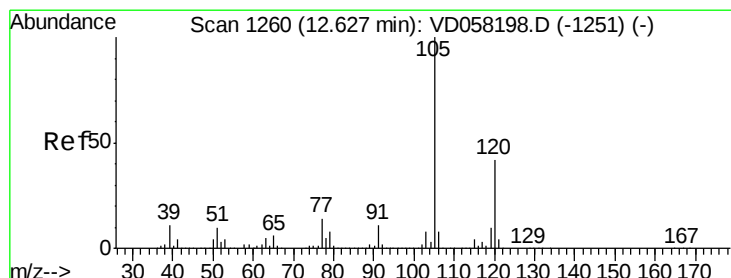
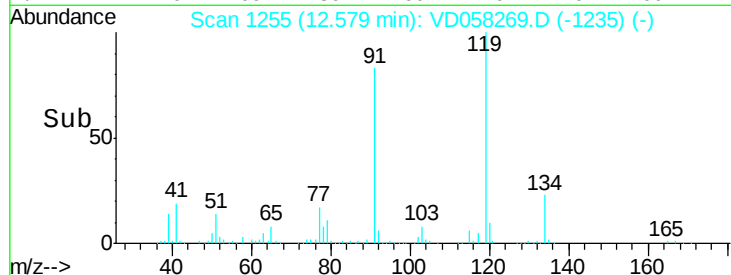
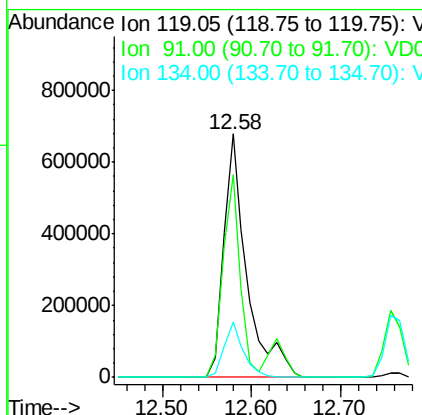
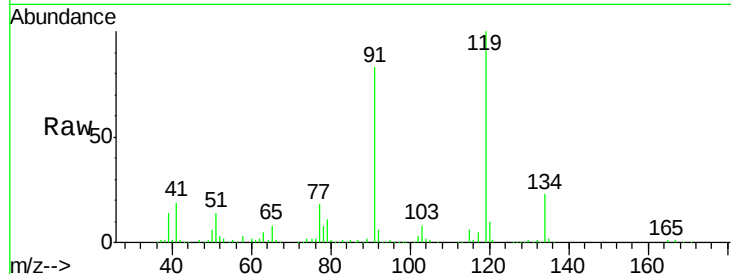




#83
 tert-Butylbenzene
 Concen: 50.788 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

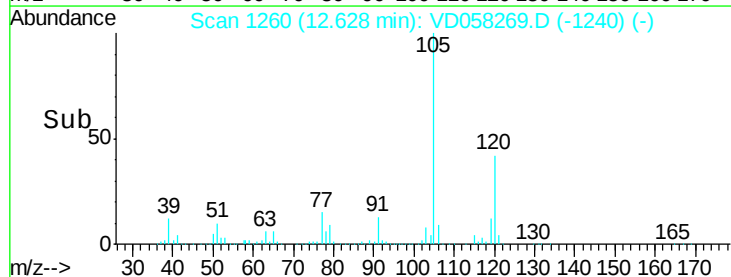
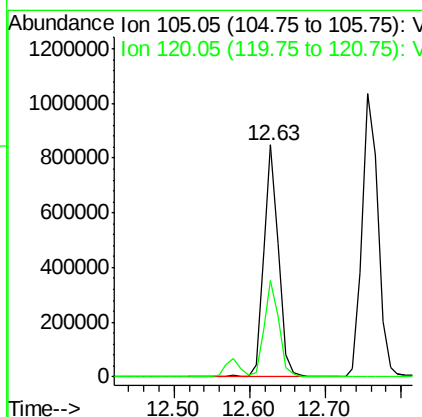
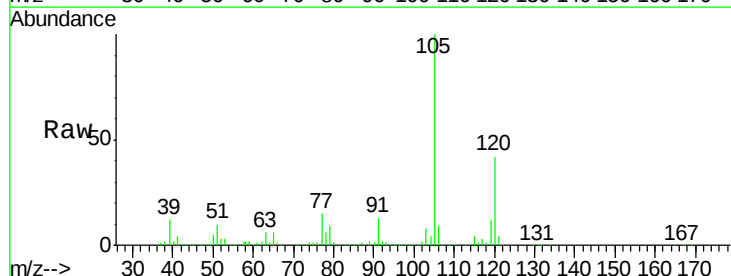
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

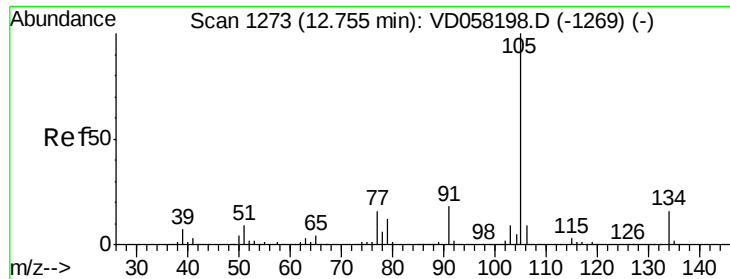
Tot Ion:119 Resp: 1237076
 Ion Ratio Lower Upper
 119 100
 91 83.3 38.9 116.6
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 50.674 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: 51.895 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 :

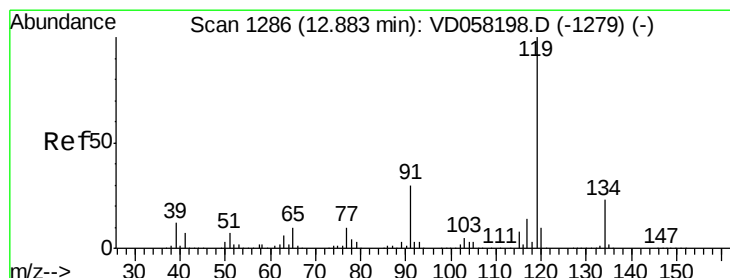
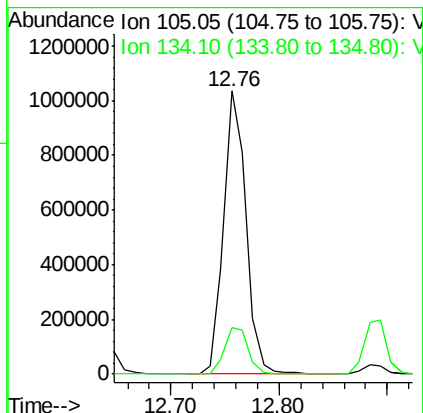
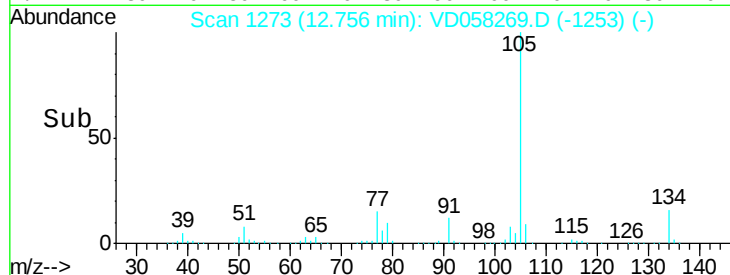
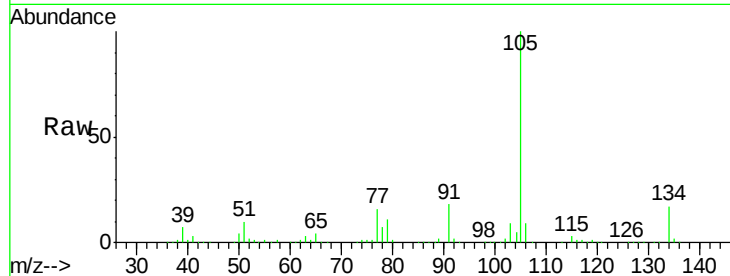
VSTDCCC050

Tot Ion:105 Resp: 1481626

Ion Ratio Lower Upper

105 100

134 16.6 8.1 24.3



#86

p-Isopropyltoluene

Concen: 51.933 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

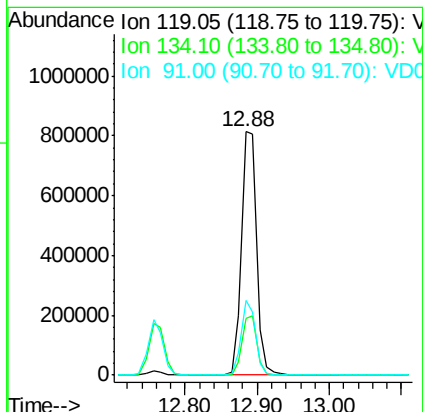
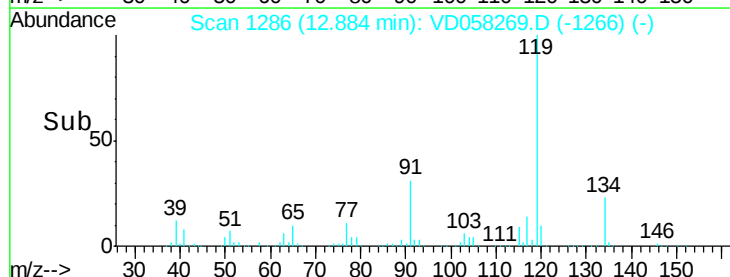
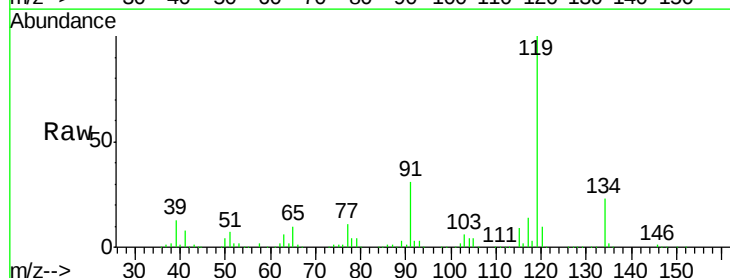
Tgt Ion:119 Resp: 1201557

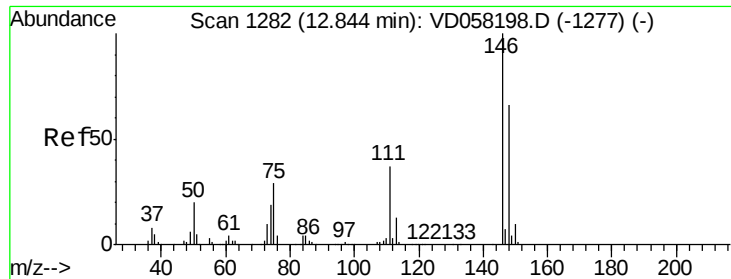
Ion Ratio Lower Upper

119 100

134 23.3 11.6 34.8

91 30.8 15.0 45.1

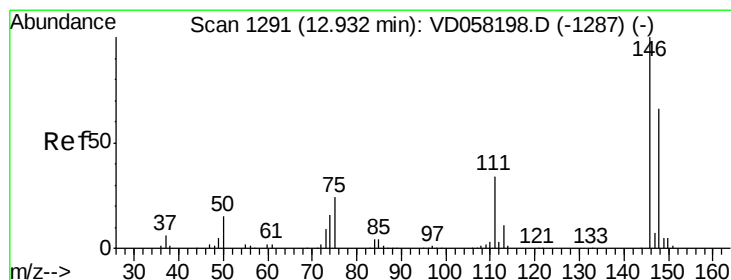
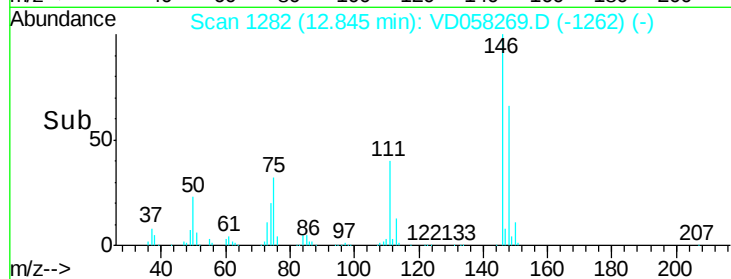
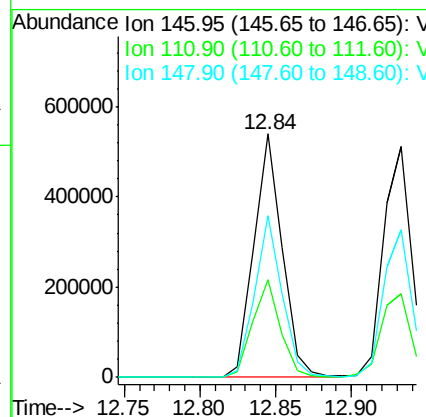
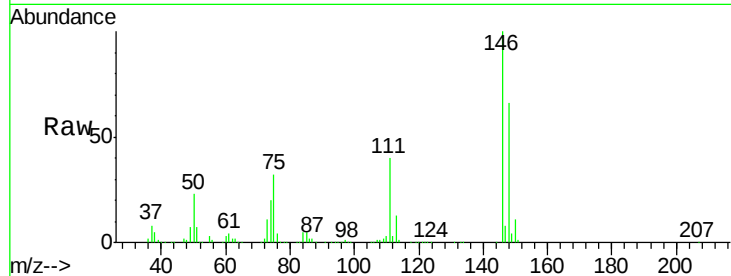




#87
 1,3-Dichlorobenzene
 Concen: 49.768 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

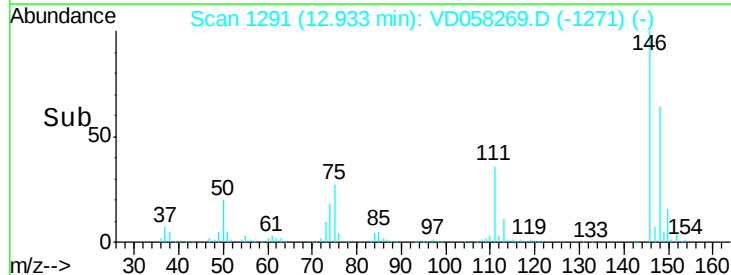
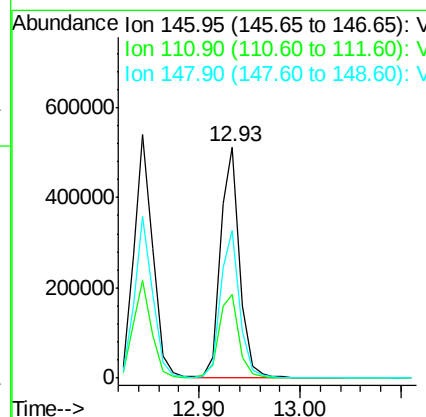
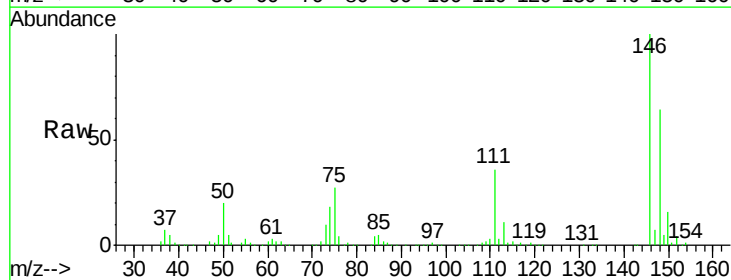
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

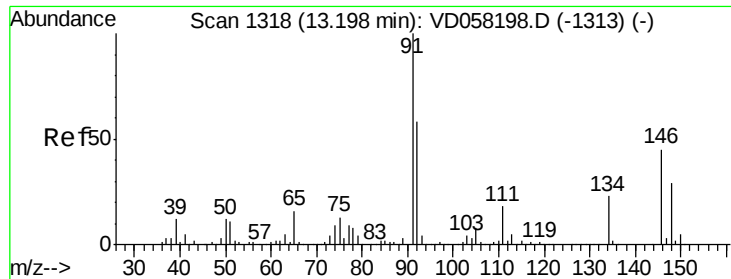
Tot Ion:146 Resp: 703588
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.4 55.0
 148 66.5 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 49.352 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

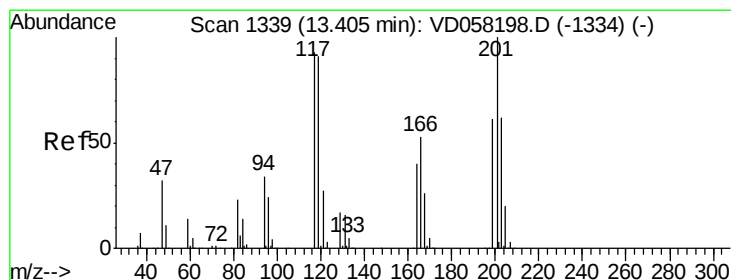
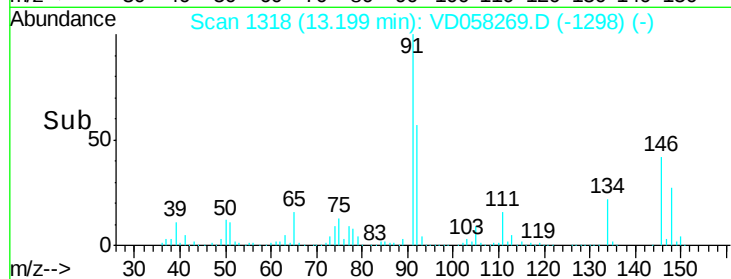
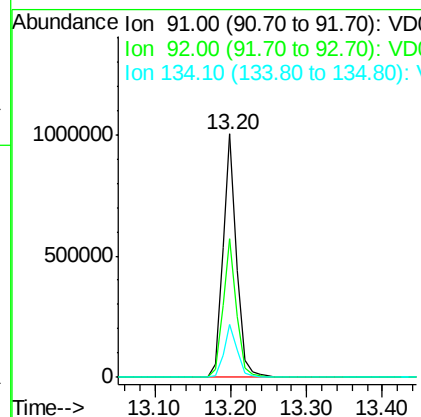
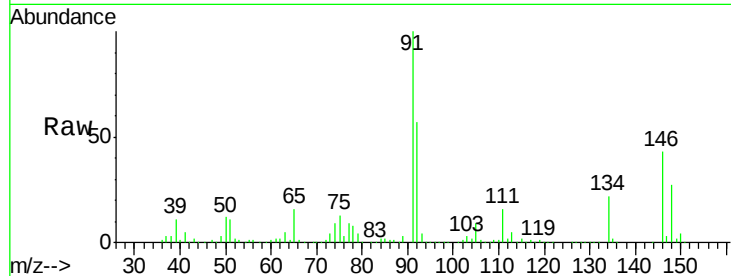




#89
n-Butylbenzene
Concen: 52.297 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058269.D
Acq: 22 Jun 2018 00:34

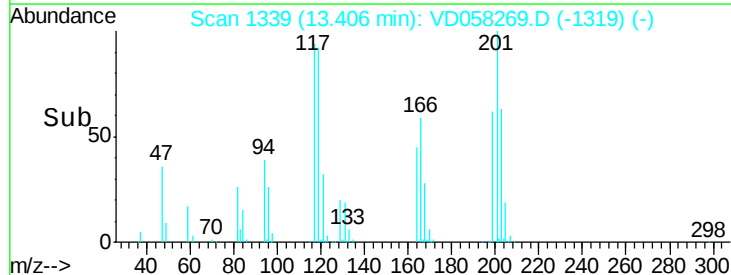
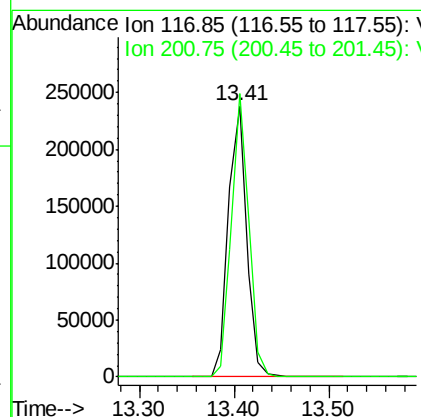
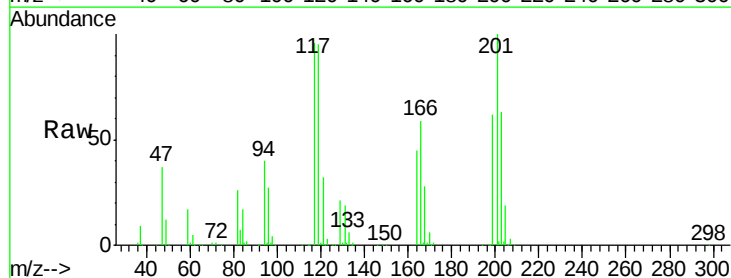
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

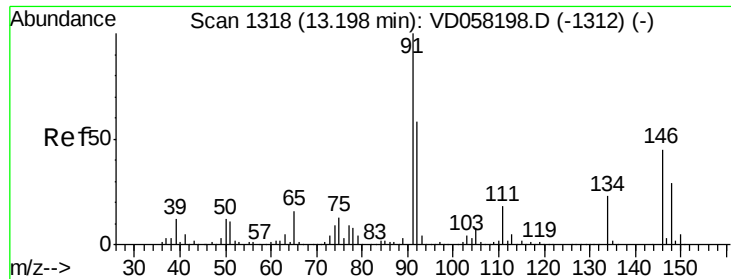
Tot Ion: 91 Resp: 1271660
Ion Ratio Lower Upper
91 100
92 57.1 29.2 87.6
134 21.8 11.3 33.8



#90
Hexachloroethane
Concen: 53.064 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: 50.882 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

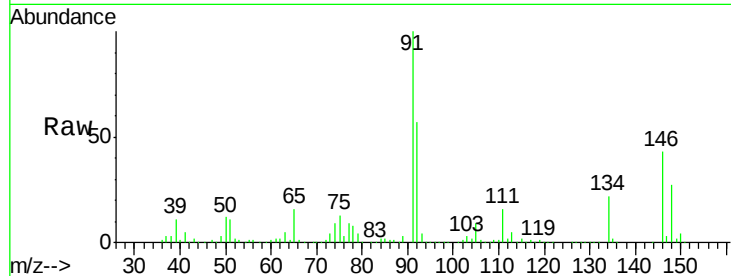
Tot Ion:146 Resp: 612154

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.7

148 64.1 32.0 96.2

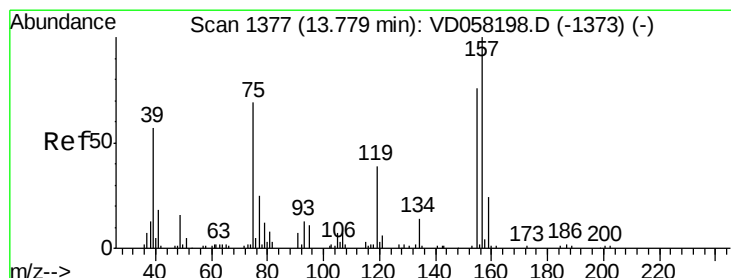
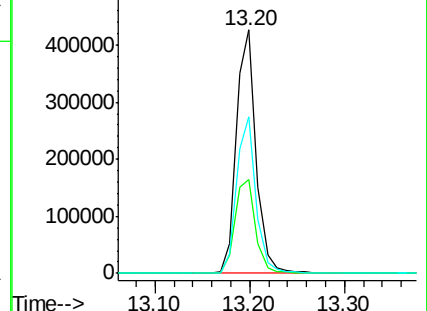
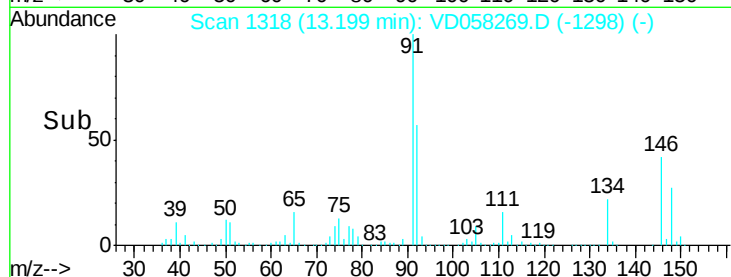


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.949 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

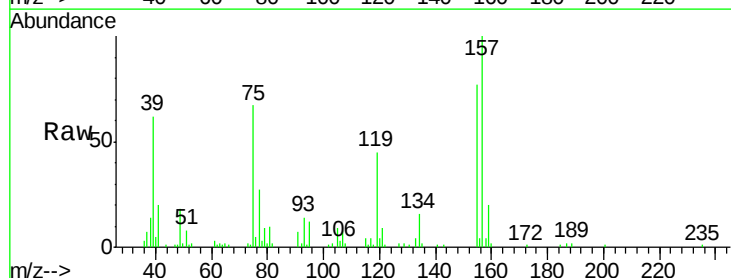
Tgt Ion: 75 Resp: 56285

Ion Ratio Lower Upper

75 100

155 114.6 54.5 163.5

157 149.2 72.0 215.9

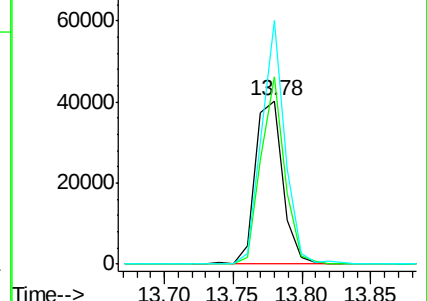
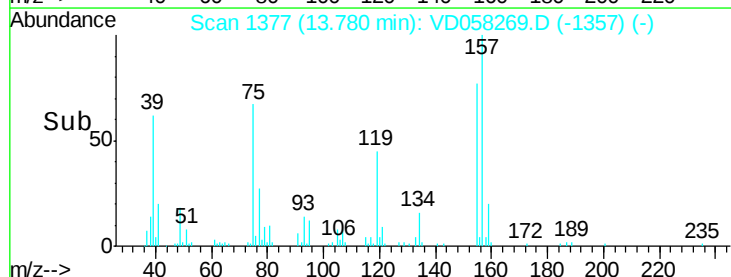


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

Time-->

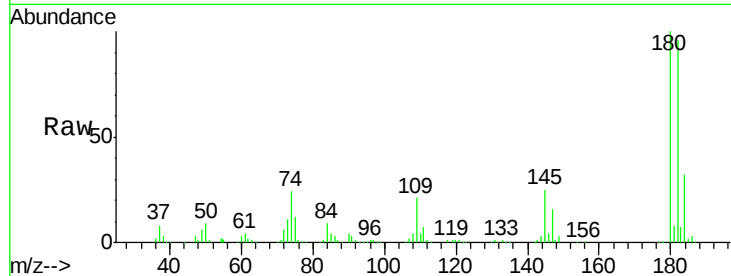




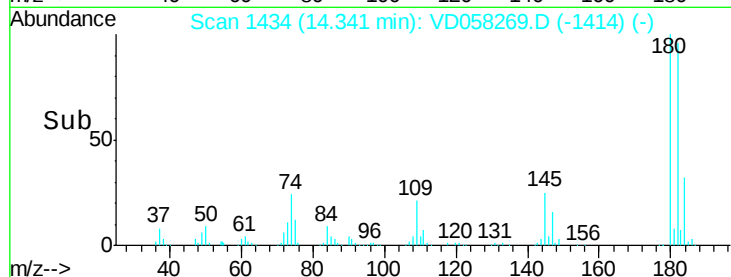
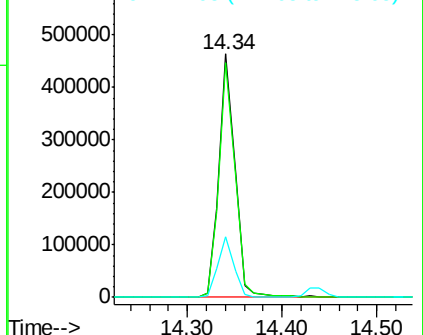
#93
 1,2,4-Trichlorobenzene
 Concen: 47.902 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

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

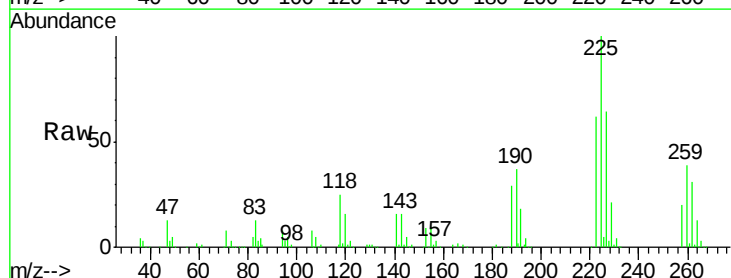


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

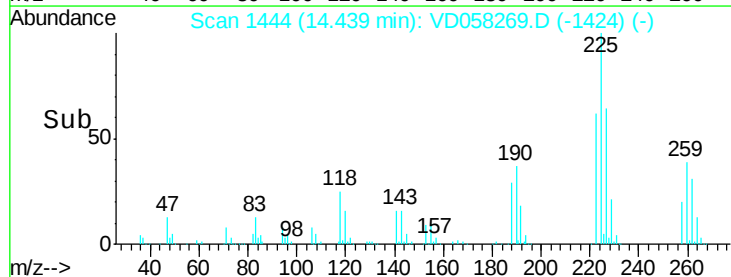
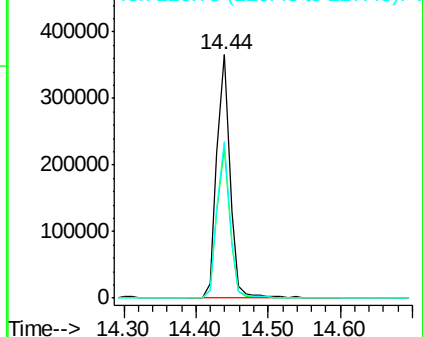


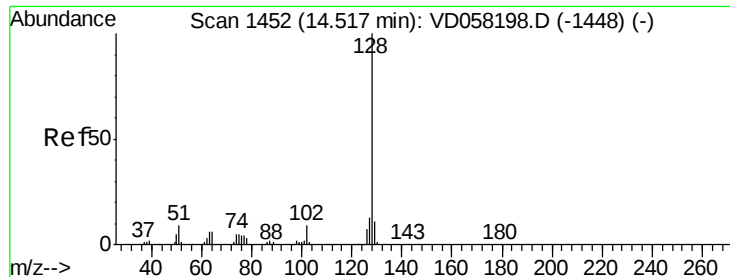
#94
 Hexachlorobutadiene
 Concen: 51.522 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058269.D
 Acq: 22 Jun 2018 00:34

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: 51.341 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

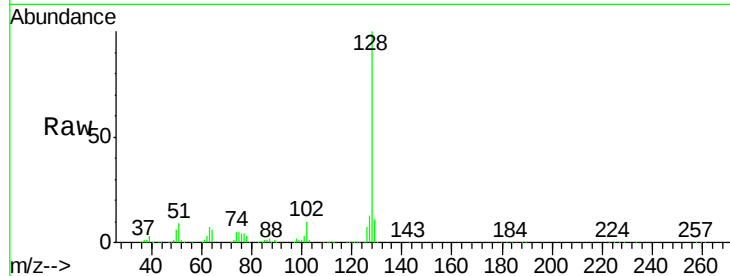
Tot Ion:128 Resp: 778178

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

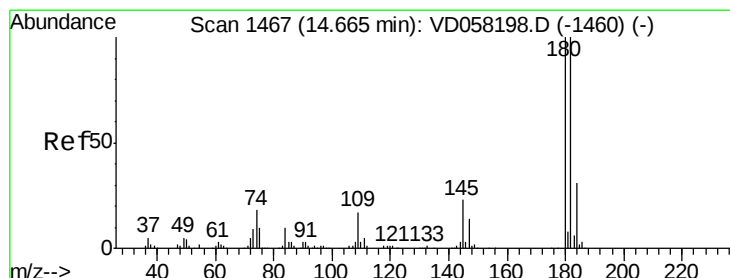
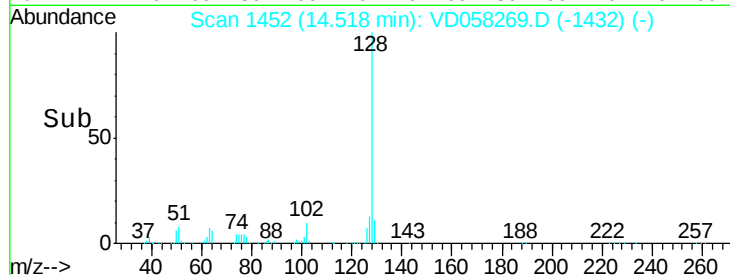
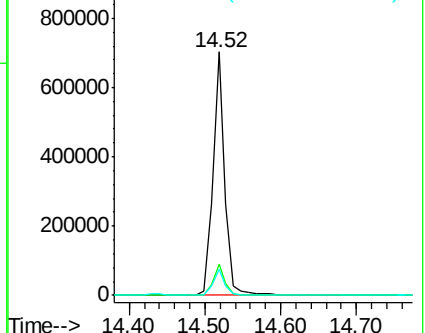
129 10.7 8.7 13.1



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: 52.060 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058269.D

Acq: 22 Jun 2018 00:34

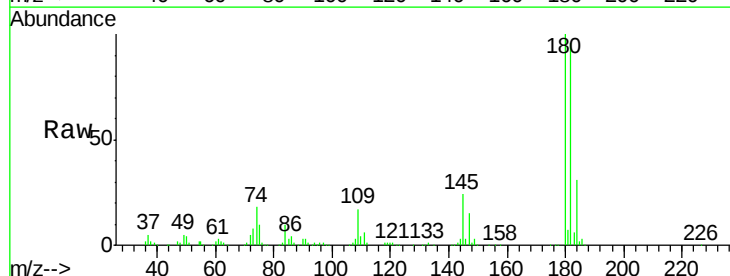
Tgt Ion:180 Resp: 524420

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

