

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060720.D
 Acq On : 27 Dec 2018 11:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 28 01:35:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1517063	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	2149563	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1678243	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	879963	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	582056	55.52	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	6.29	113	883143	56.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	9.42	98	2541033	54.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	12.40	95	906632	55.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	1095494	56.515	ug/l	100
3) Chloromethane	1.76	50	936259	52.482	ug/l	97
4) Vinyl Chloride	1.85	62	777639	54.904	ug/l	100
5) Bromomethane	2.15	94	192903	60.801	ug/l	94
6) Chloroethane	2.26	64	249106	58.934	ug/l	98
7) Trichlorofluoromethane	2.50	101	869955	55.221	ug/l	100
8) Diethyl Ether	2.82	74	137830	52.293	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	544160	53.250	ug/l	99
10) Methyl Iodide	3.23	142	626864	58.369	ug/l	97
11) Tert butyl alcohol	3.94	59	121043	276.260	ug/l #	93
12) 1,1-Dichloroethene	3.05	96	443823	52.858	ug/l	99
13) Acrolein	2.97	56	133354	298.669	ug/l	94
14) Allyl chloride	3.52	41	839454	54.485	ug/l	98
15) Acrylonitrile	4.06	53	701060	275.603	ug/l	98
16) Acetone	3.14	43	512341	279.833	ug/l	97
17) Carbon Disulfide	3.30	76	1418397	52.895	ug/l	100
18) Methyl Acetate	3.54	43	248577	54.783	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1199642	56.315	ug/l	99
20) Methylene Chloride	3.69	84	877318	46.141	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	972984	56.583	ug/l	96
22) Diisopropyl ether	4.83	45	2959327	56.571	ug/l	99
23) Vinyl Acetate	4.78	43	7123425	281.464	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1561697	56.757	ug/l	100
25) 2-Butanone	5.59	43	986312	281.520	ug/l	99
26) 2,2-Dichloropropane	5.55	77	1272254	58.576	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	1016150	58.212	ug/l	97
28) Bromochloromethane	5.89	49	619774	53.318	ug/l	99
29) Tetrahydrofuran	5.92	42	534784	269.257	ug/l	99
30) Chloroform	6.07	83	1544259	55.776	ug/l	100
31) Cyclohexane	6.33	56	1384980	52.304	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	1326122	57.893	ug/l	100
36) 1,1-Dichloropropene	6.49	75	1191020	53.808	ug/l	100
37) Ethyl Acetate	5.66	43	509726	55.062	ug/l	96
38) Carbon Tetrachloride	6.47	117	1086858	55.658	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060720.D
 Acq On : 27 Dec 2018 11:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 28 01:35:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.00	83	1382180	54.751	ug/l	98
40) Benzene	6.76	78	3085161	53.960	ug/l	100
41) Methacrylonitrile	5.92	41	574467	112.189	ug/l #	71
42) 1,2-Dichloroethane	6.86	62	774179	54.564	ug/l	99
43) Isopropyl Acetate	8.32	43	650632	54.769	ug/l	97
44) Trichloroethene	7.71	130	944931	55.839	ug/l	99
45) 1,2-Dichloropropane	8.06	63	760905	54.267	ug/l	99
46) Dibromomethane	8.18	93	440970	55.103	ug/l	100
47) Bromodichloromethane	8.46	83	1072113	56.563	ug/l	99
48) Methyl methacrylate	8.21	41	404033	55.997	ug/l	98
49) 1,4-Dioxane	8.20	88	75395	1123.838	ug/l #	91
51) 4-Methyl-2-Pentanone	9.31	43	2004634	275.425	ug/l	98
52) Toluene	9.52	92	1952716	54.480	ug/l	100
53) t-1,3-Dichloropropene	9.88	75	885862	56.021	ug/l	99
54) cis-1,3-Dichloropropene	9.07	75	1152824	55.698	ug/l	98
55) 1,1,2-Trichloroethane	10.15	97	527969	54.747	ug/l	99
56) Ethyl methacrylate	10.00	69	520579	58.117	ug/l	97
57) 1,3-Dichloropropane	10.36	76	840362	54.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.89	63	1343196	254.493	ug/l	98
59) 2-Hexanone	10.45	43	1421628	279.048	ug/l	97
60) Dibromochloromethane	10.61	129	713055	58.048	ug/l	98
61) 1,2-Dibromoethane	10.73	107	564003	56.384	ug/l	97
64) Tetrachloroethene	10.22	164	879846	57.843	ug/l	98
65) Chlorobenzene	11.29	112	2100975	56.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.39	131	690580	57.926	ug/l	98
67) Ethyl Benzene	11.41	91	3520276	55.437	ug/l	100
68) m/p-Xylenes	11.55	106	2607280	112.351	ug/l	99
69) o-Xylene	11.91	106	1263510	57.389	ug/l	93
70) Styrene	11.93	104	2033108	57.336	ug/l	98
71) Bromoform	12.10	173	482889	61.362	ug/l	98
73) Isopropylbenzene	12.26	105	3576189	57.080	ug/l	100
74) N-amyl acetate	12.12	43	866513	58.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.54	83	572823	56.407	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	571453	57.041	ug/l	100
77) Bromobenzene	12.52	156	950459	57.461	ug/l	94
78) n-propylbenzene	12.62	91	4412561	55.090	ug/l	99
79) 2-Chlorotoluene	12.69	91	2430391	56.652	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	2653097	54.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.32	75	168827	60.986	ug/l	96
82) 4-Chlorotoluene	12.79	91	2615258	53.784	ug/l	99
83) tert-Butylbenzene	13.03	119	3026655	54.972	ug/l	100
84) 1,2,4-Trimethylbenzene	13.07	105	2748356	55.157	ug/l	99
85) sec-Butylbenzene	13.20	105	3853172	57.385	ug/l	100
86) p-Isopropyltoluene	13.33	119	3039368	56.076	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1671137	55.035	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	1660640	55.500	ug/l	99
89) n-Butylbenzene	13.63	91	2945087	53.172	ug/l	99
90) Hexachloroethane	13.84	117	795537	59.746	ug/l	96
91) 1,2-Dichlorobenzene	13.64	146	1272110	52.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.21	75	72140	60.467	ug/l #	45

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
Data File : VD060720.D
Acq On : 27 Dec 2018 11:53
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Dec 28 01:35:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration

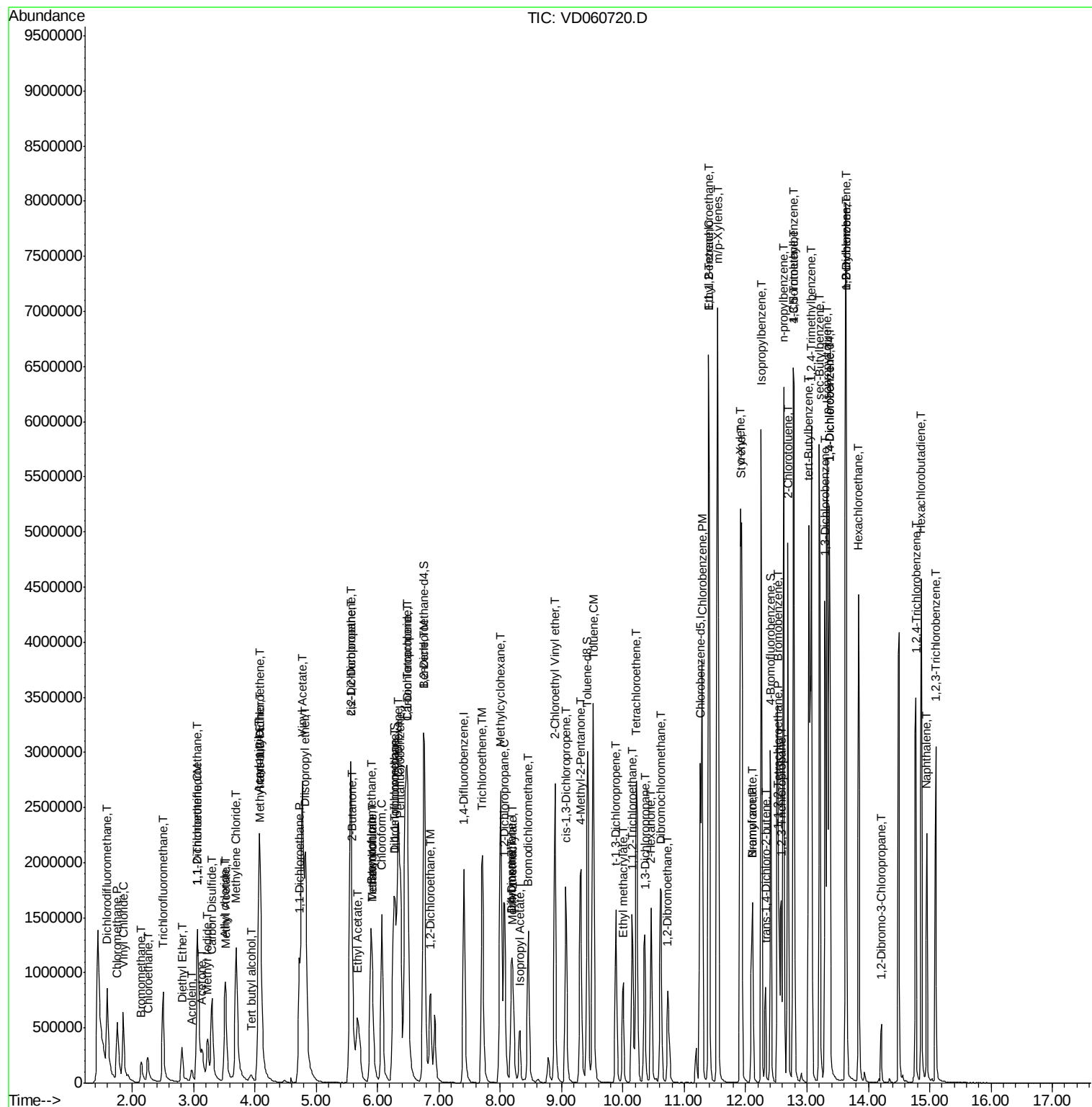
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	1086763	56.071	ug/l	99
94) Hexachlorobutadiene	14.86	225	805695	56.239	ug/l	98
95) Naphthalene	14.95	128	1320287	57.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	864294	57.044	ug/l	100

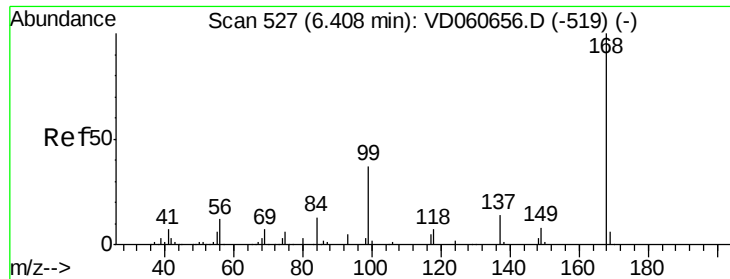
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060720.D
 Acq On : 27 Dec 2018 11:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 28 01:35:15 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

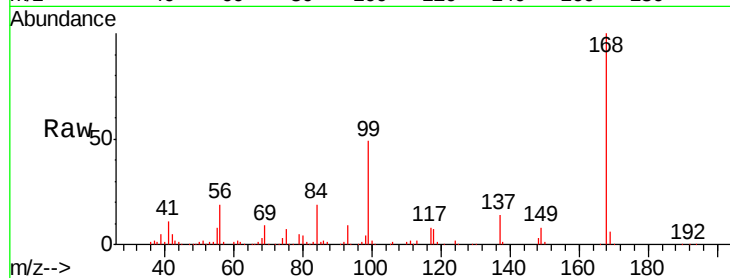
VSTDCCC050

Tgt Ion:168 Resp: 1517063

Ion Ratio Lower Upper

168 100

99 49.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

500000

400000

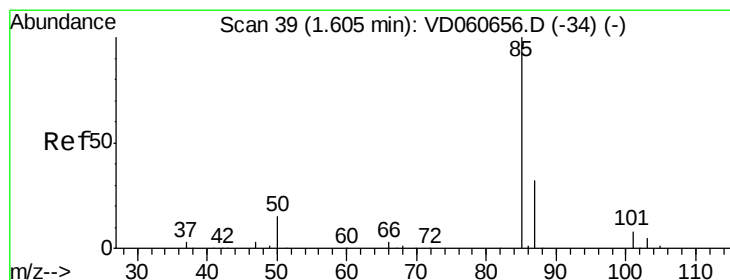
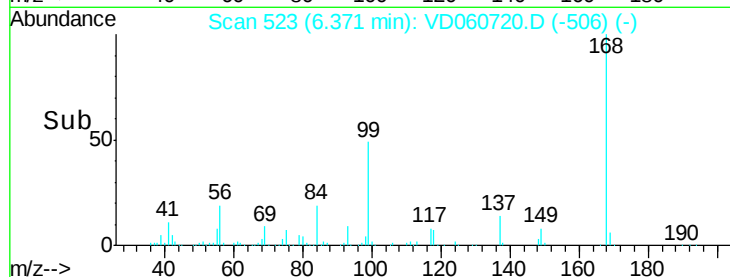
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.515 ug/l

RT: 1.59 min Scan# 37

Delta R.T. -0.02 min

Lab File: VD060720.D

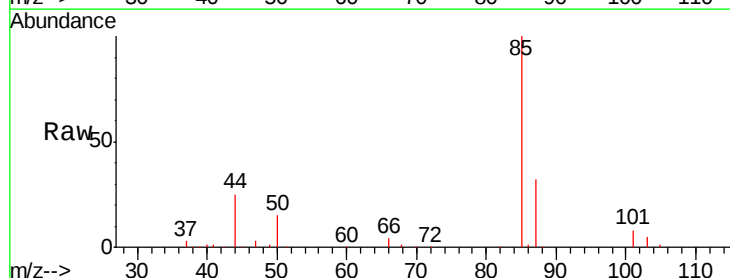
Acq: 27 Dec 2018 11:53

Tgt Ion: 85 Resp: 1095494

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

500000

400000

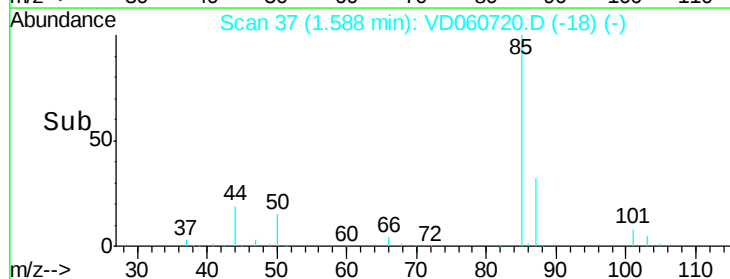
300000

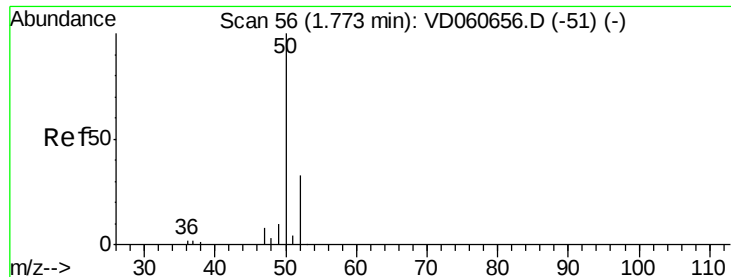
200000

100000

0

Time-->





#3

Chloromethane

Concen: 52.482 ug/l

RT: 1.76 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

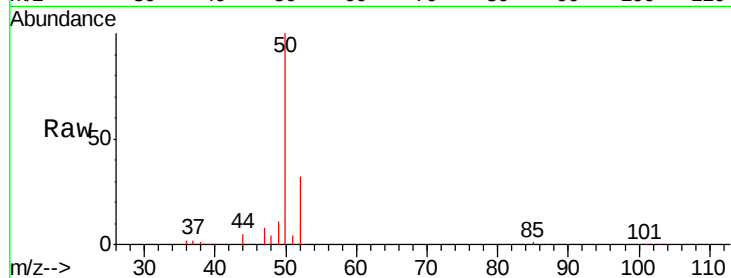
VSTDCCC050

Tgt Ion: 50 Resp: 936259

Ion Ratio Lower Upper

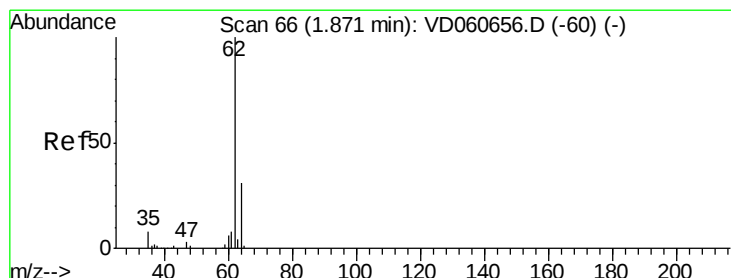
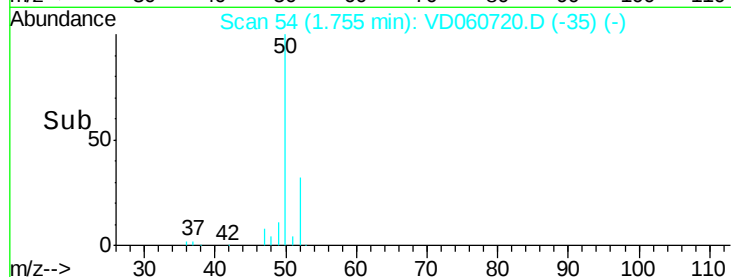
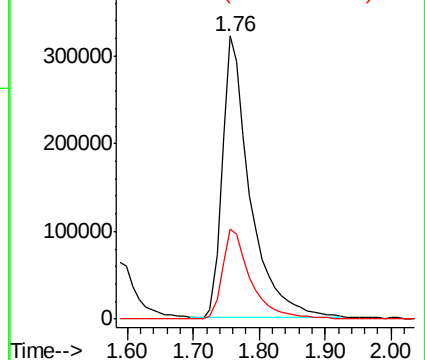
50 100

52 31.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.904 ug/l

RT: 1.85 min Scan# 64

Delta R.T. -0.02 min

Lab File: VD060720.D

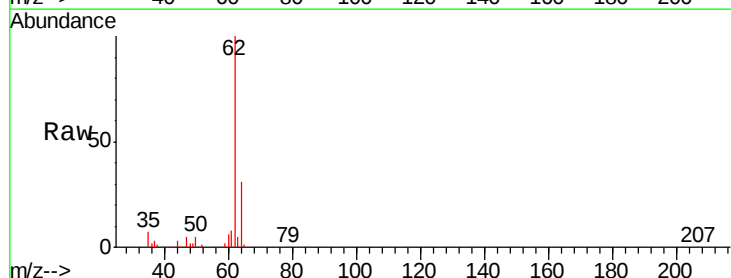
Acq: 27 Dec 2018 11:53

Tgt Ion: 62 Resp: 777639

Ion Ratio Lower Upper

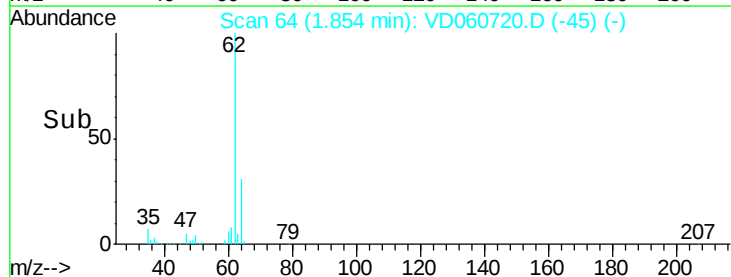
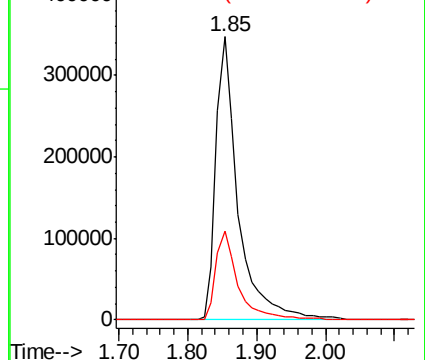
62 100

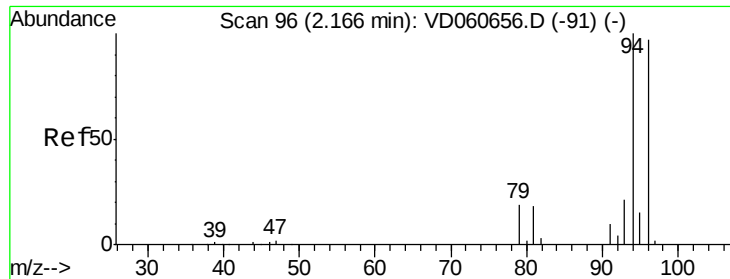
64 31.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 60.801 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

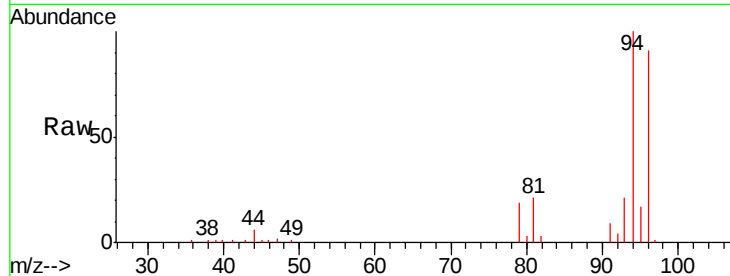
VSTDCCC050

Tgt Ion: 94 Resp: 192903

Ion Ratio Lower Upper

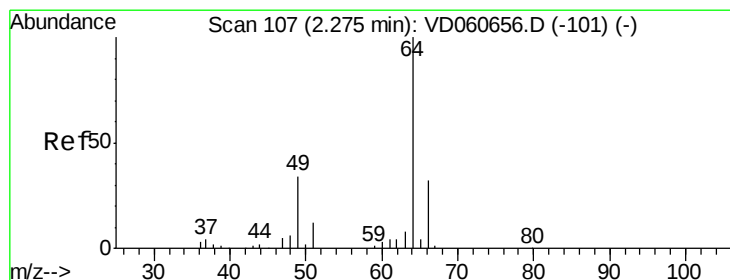
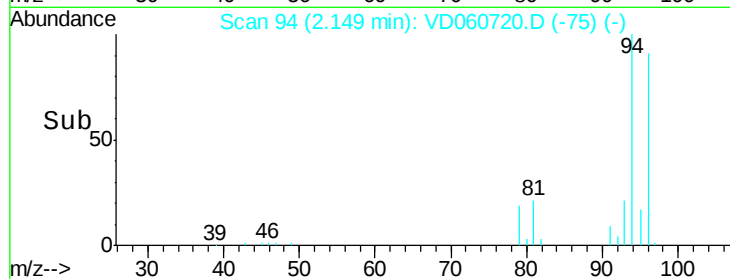
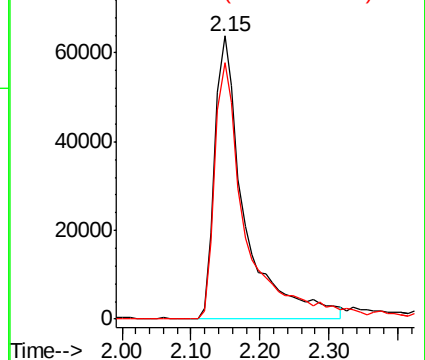
94 100

96 90.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.934 ug/l

RT: 2.26 min Scan# 105

Delta R.T. -0.02 min

Lab File: VD060720.D

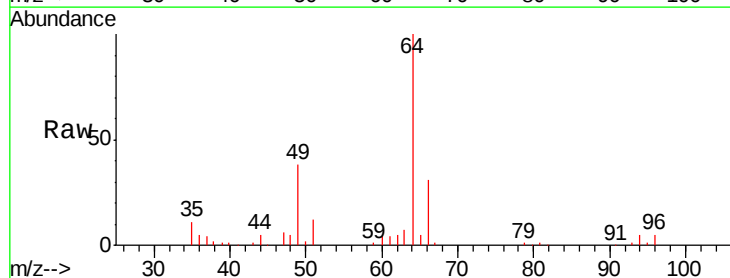
Acq: 27 Dec 2018 11:53

Tgt Ion: 64 Resp: 249106

Ion Ratio Lower Upper

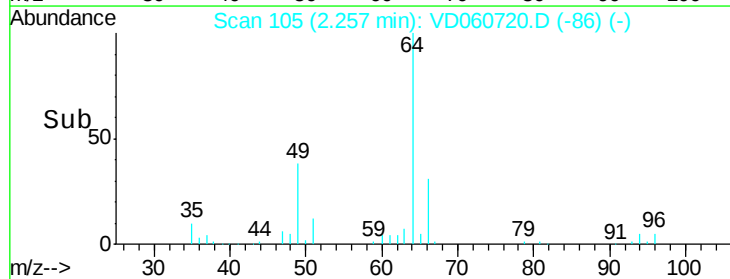
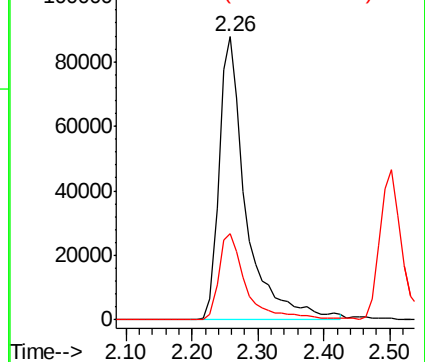
64 100

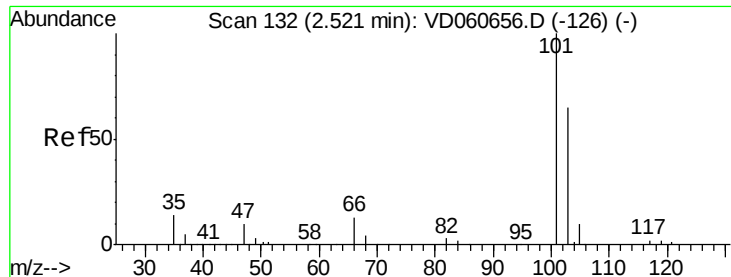
66 30.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



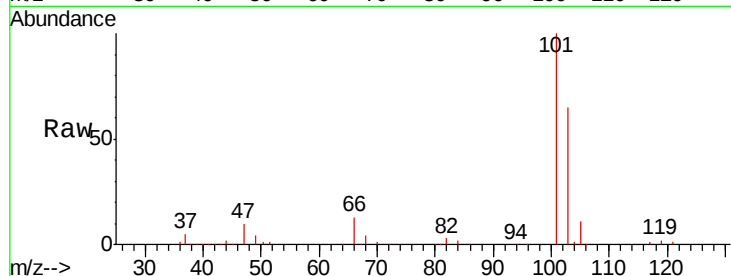


#7

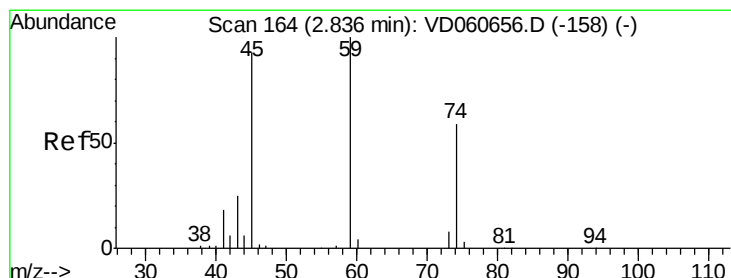
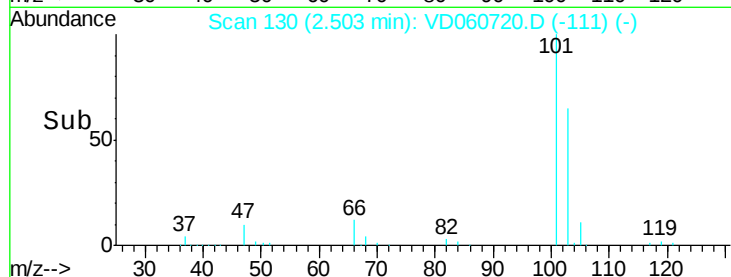
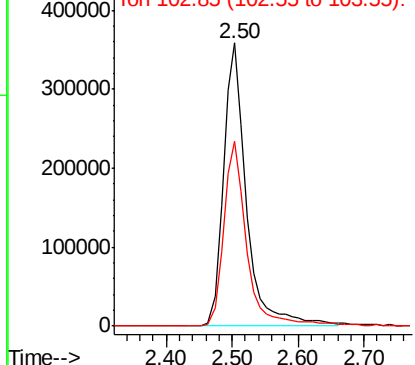
Trichlorofluoromethane
Concen: 55.221 ug/l
RT: 2.50 min Scan# 130
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 869955
Ion Ratio Lower Upper
101 100
103 65.2 51.9 77.9



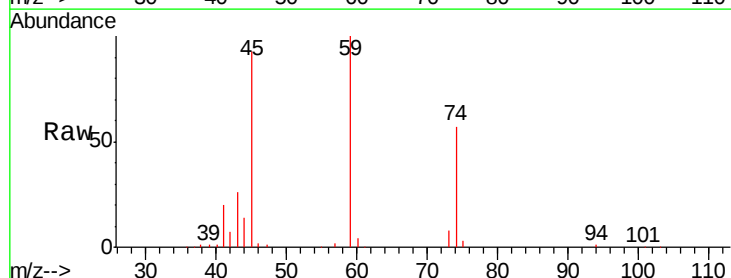
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



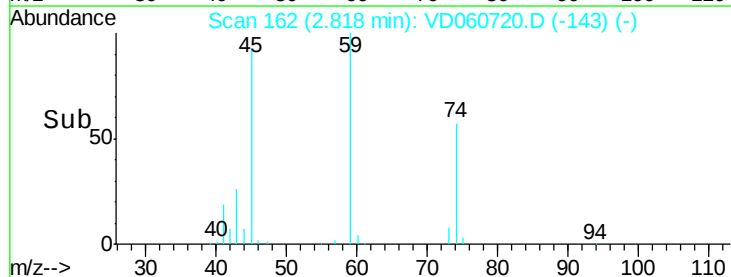
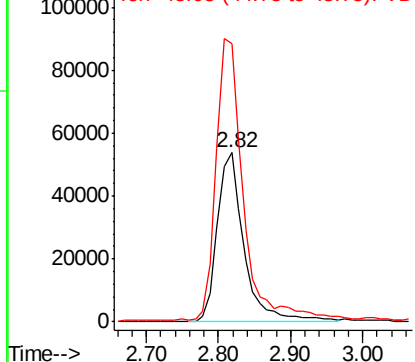
#8

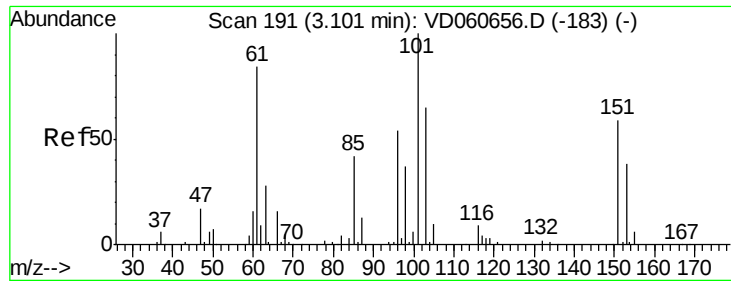
Diethyl Ether
Concen: 52.293 ug/l
RT: 2.82 min Scan# 162
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 74 Resp: 137830
Ion Ratio Lower Upper
74 100
45 164.6 79.3 238.1



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: 53.250 ug/l

RT: 3.07 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

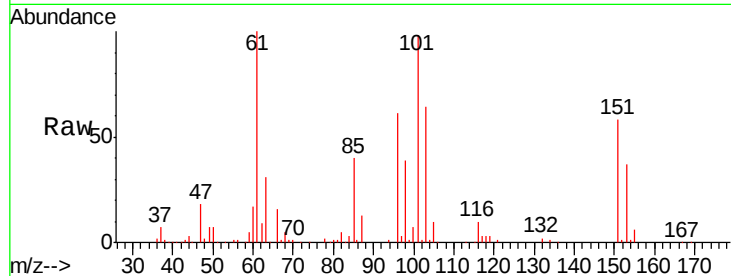
Tgt Ion:101 Resp: 544160

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.0

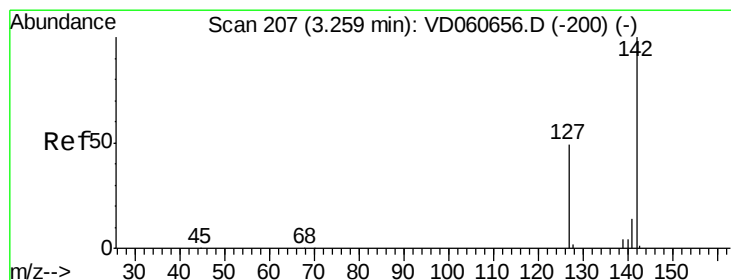
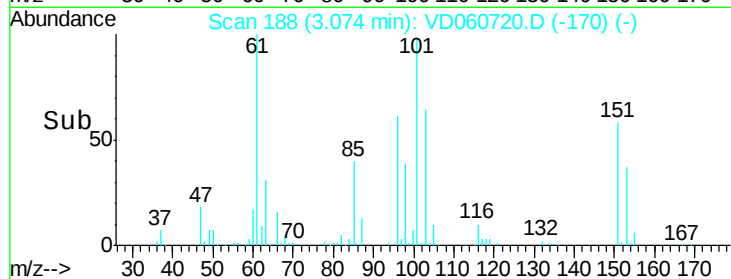
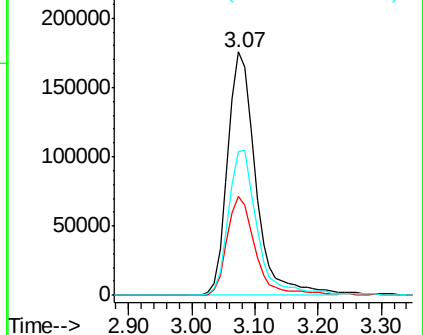
151 59.2 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 58.369 ug/l

RT: 3.23 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

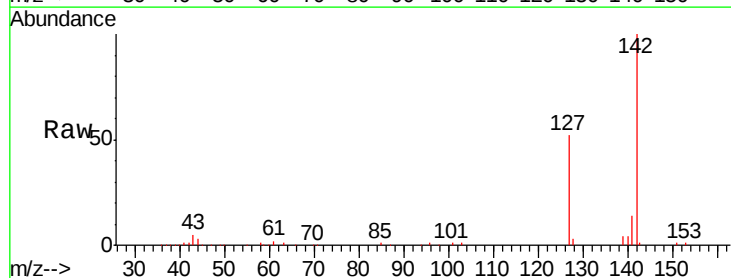
Tgt Ion:142 Resp: 626864

Ion Ratio Lower Upper

142 100

127 51.7 39.5 59.3

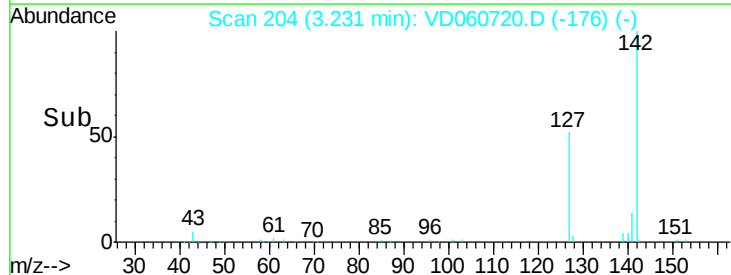
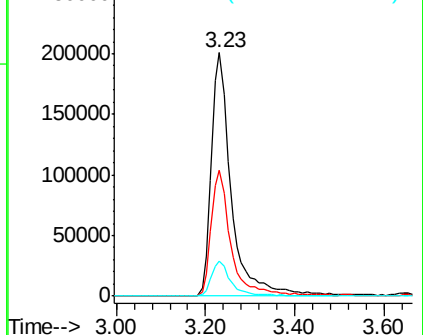
141 14.2 11.3 16.9

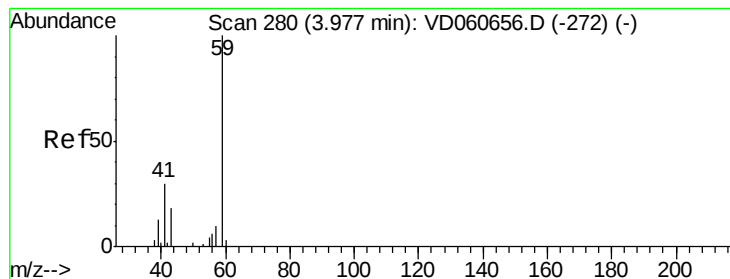


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



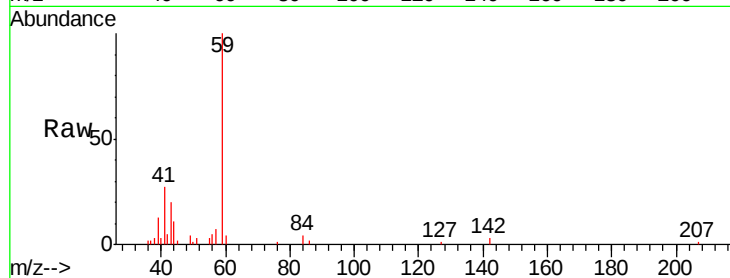


#11

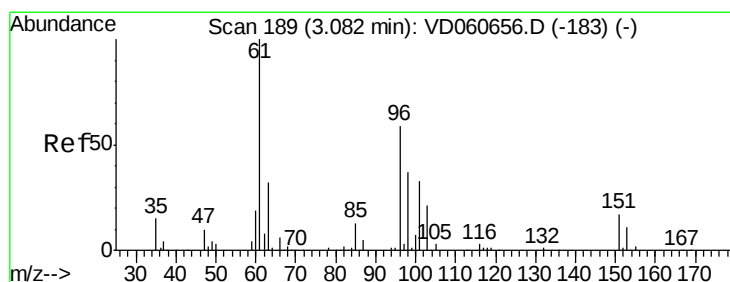
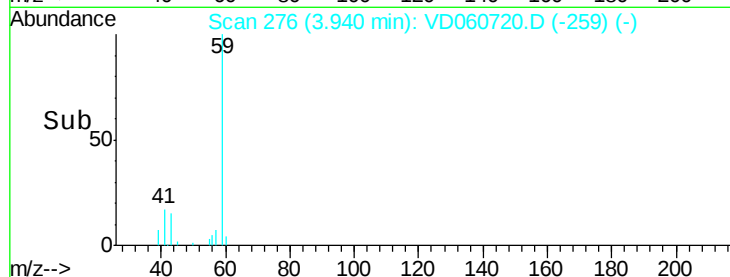
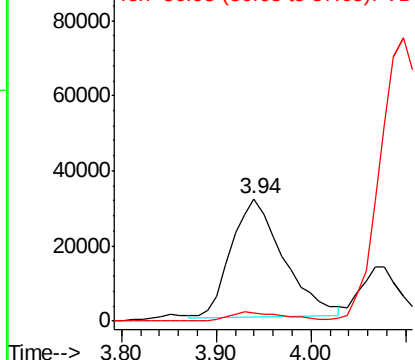
Tert butyl alcohol
Concen: 276.260 ug/l
RT: 3.94 min Scan# 276
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 121043
Ion Ratio Lower Upper
59 100
57 7.1 7.8 11.6#



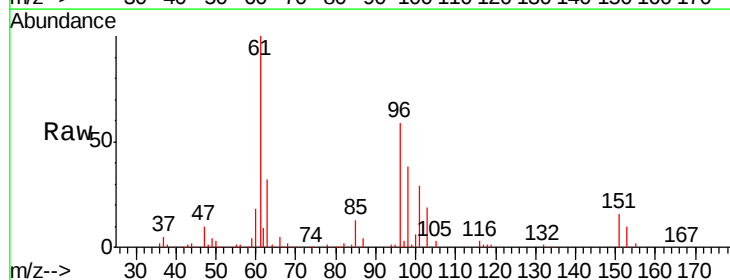
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



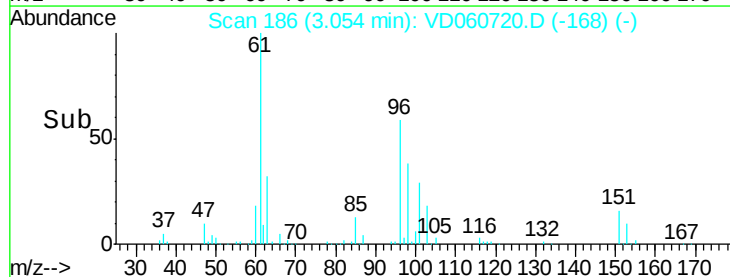
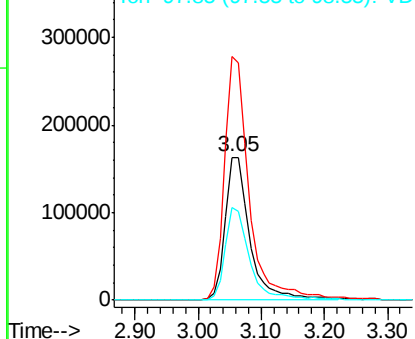
#12

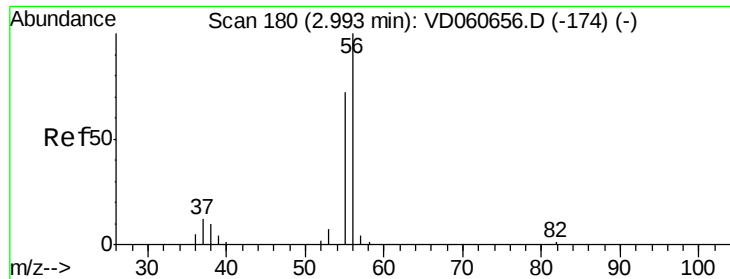
1,1-Dichloroethene
Concen: 52.858 ug/l
RT: 3.05 min Scan# 186
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 96 Resp: 443823
Ion Ratio Lower Upper
96 100
61 170.1 136.2 204.4
98 65.1 50.7 76.1



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





#13

Acrolein

Concen: 298.669 ug/l

RT: 2.97 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

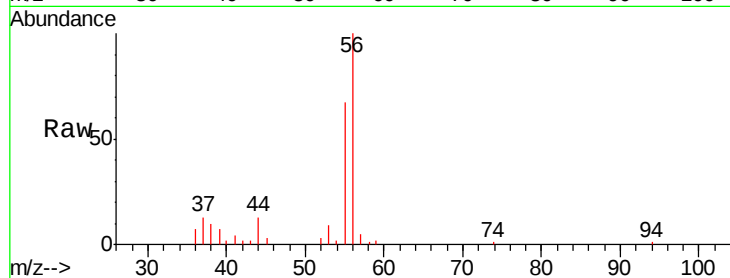
VSTDCCC050

Tgt Ion: 56 Resp: 133354

Ion Ratio Lower Upper

56 100

55 66.9 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

50000

40000

30000

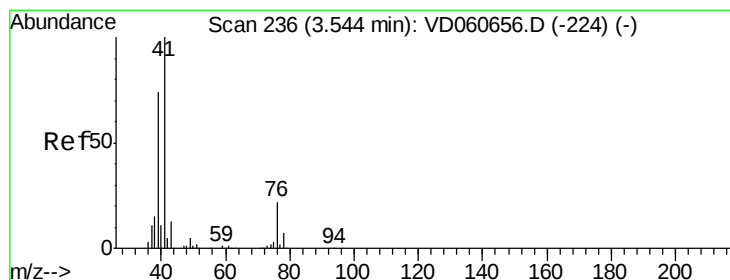
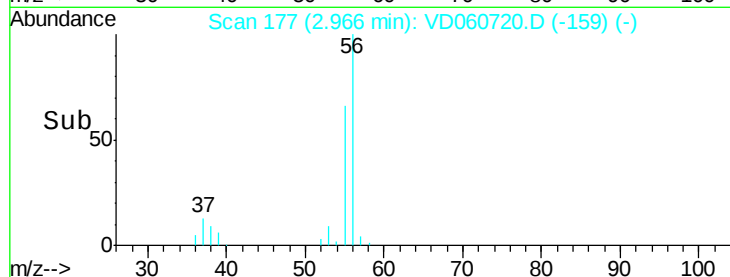
20000

10000

0

Time-->

2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 54.485 ug/l

RT: 3.52 min Scan# 233

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

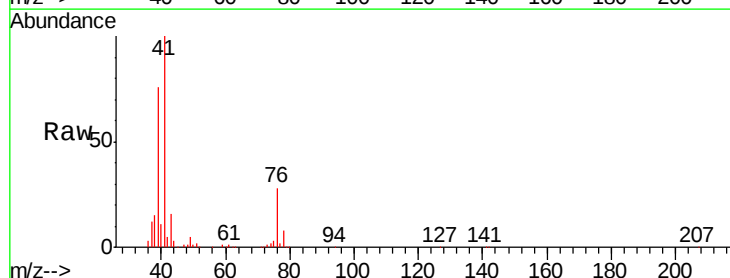
Tgt Ion: 41 Resp: 839454

Ion Ratio Lower Upper

41 100

39 76.0 59.6 89.4

76 27.8 21.8 32.6



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

3.52

400000

300000

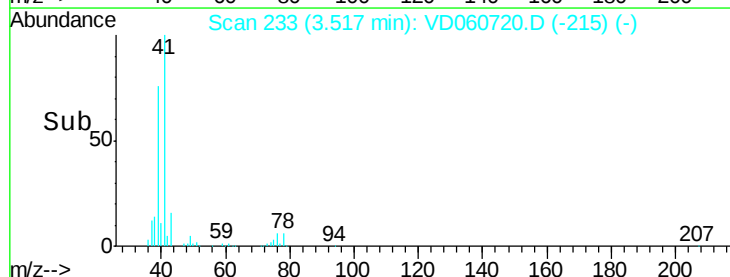
200000

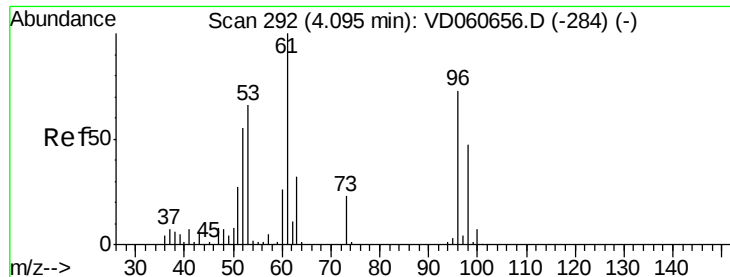
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 275.603 ug/l

RT: 4.06 min Scan# 288

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

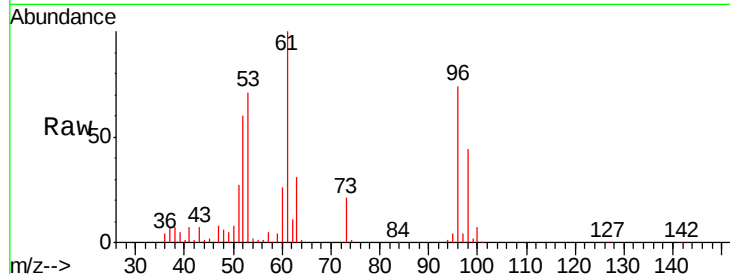
Tgt Ion: 53 Resp: 701060

Ion Ratio Lower Upper

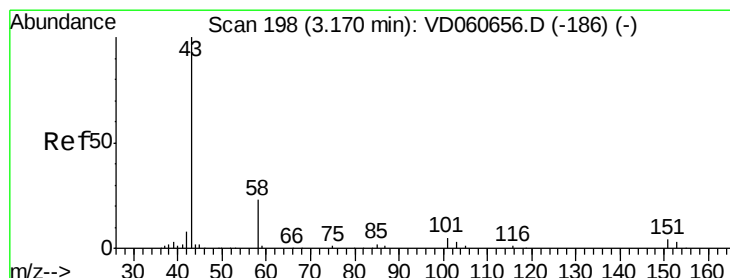
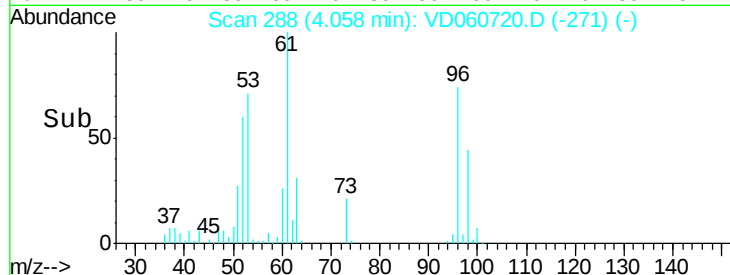
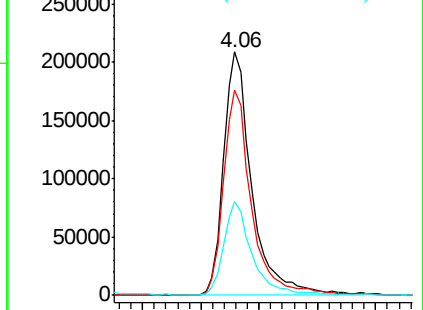
53 100

52 84.1 66.7 100.1

51 38.5 32.7 49.1



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



#16

Acetone

Concen: 279.833 ug/l

RT: 3.14 min Scan# 195

Delta R.T. -0.03 min

Lab File: VD060720.D

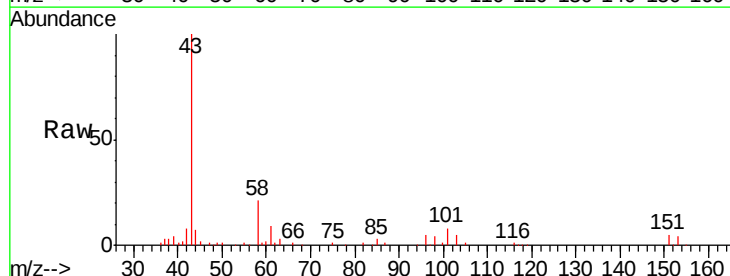
Acq: 27 Dec 2018 11:53

Tgt Ion: 43 Resp: 512341

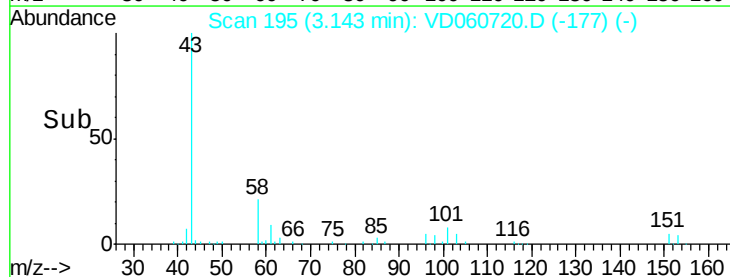
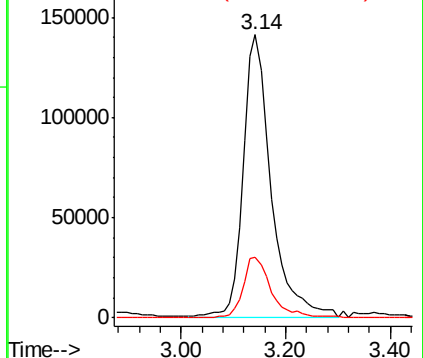
Ion Ratio Lower Upper

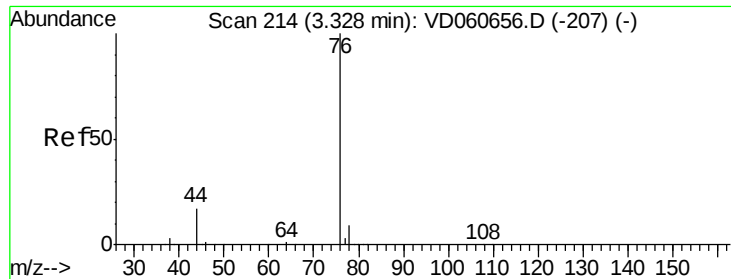
43 100

58 21.5 18.2 27.2



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

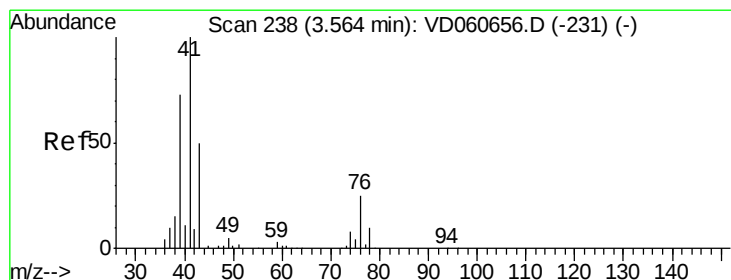
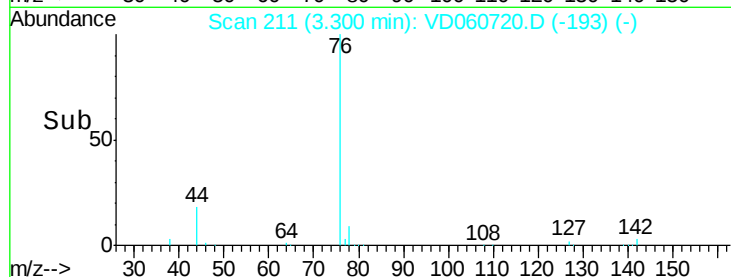
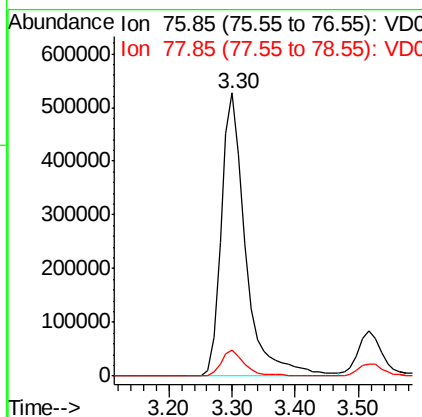
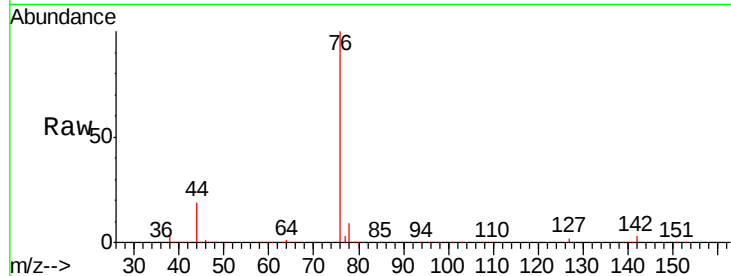




#17
Carbon Disulfide
Concen: 52.895 ug/l
RT: 3.30 min Scan# 211
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

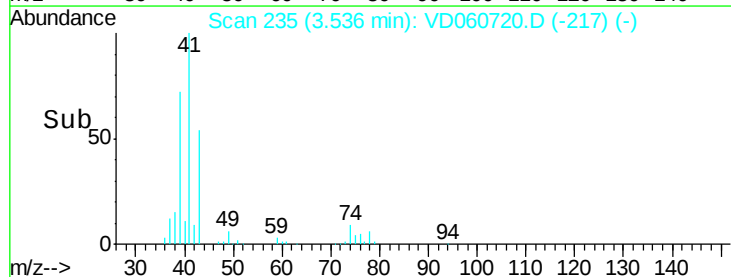
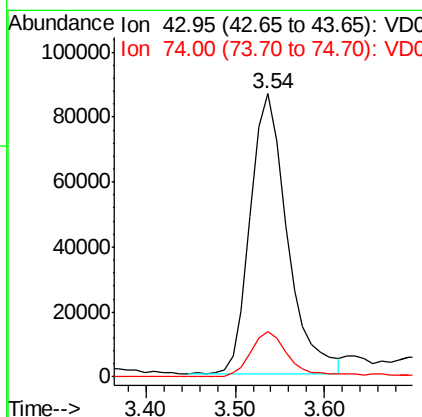
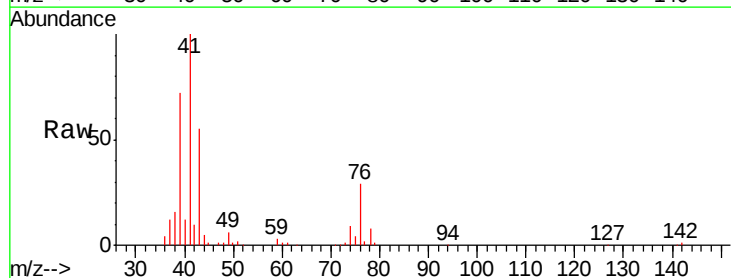
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

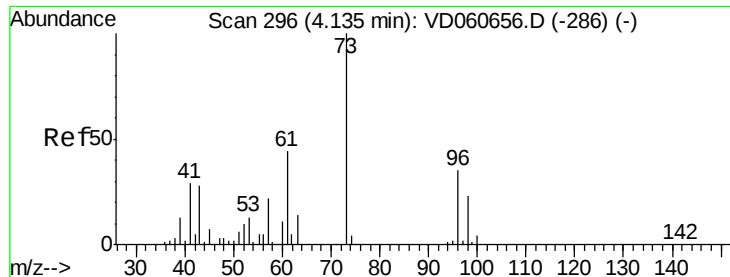
Tgt Ion: 76 Resp: 1418397
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 54.783 ug/l
RT: 3.54 min Scan# 235
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 43 Resp: 248577
Ion Ratio Lower Upper
43 100
74 15.9 12.4 18.6



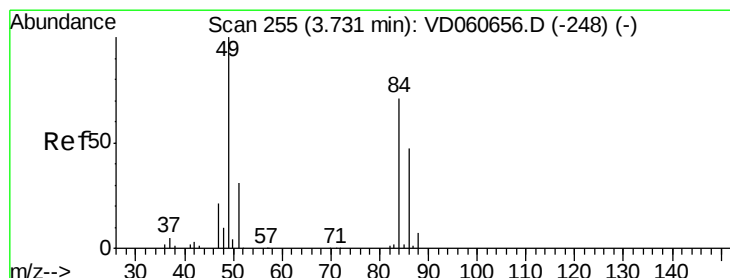
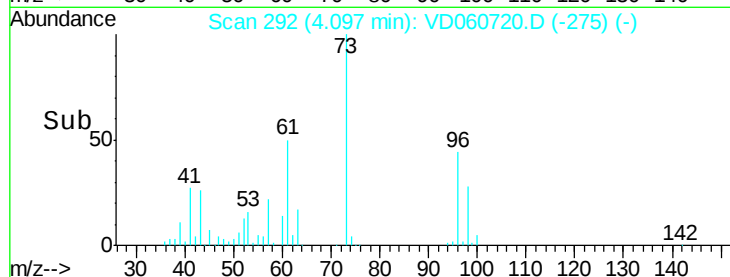
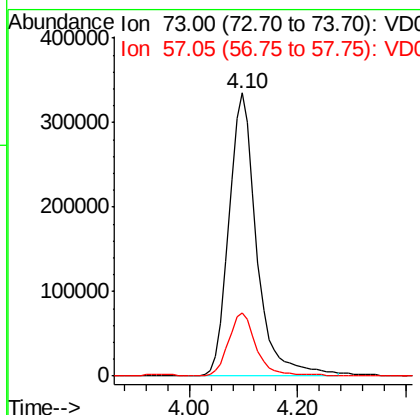
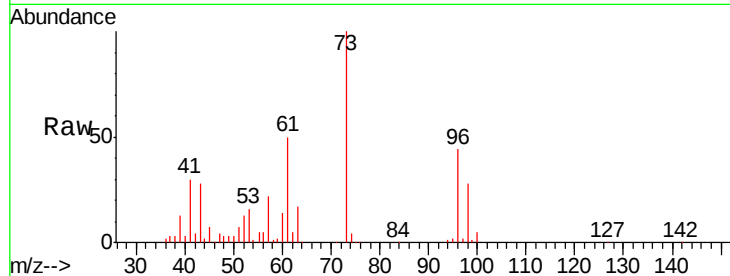


#19

Methyl tert-butyl Ether
 Concen: 56.315 ug/l
 RT: 4.10 min Scan# 292
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

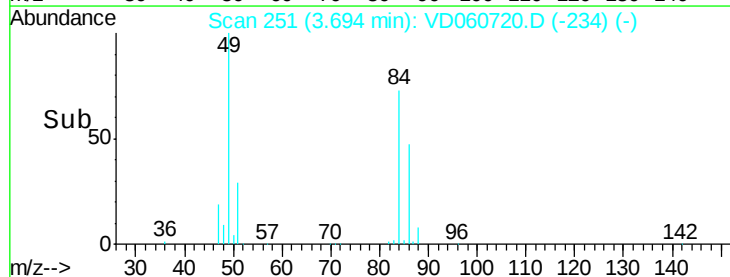
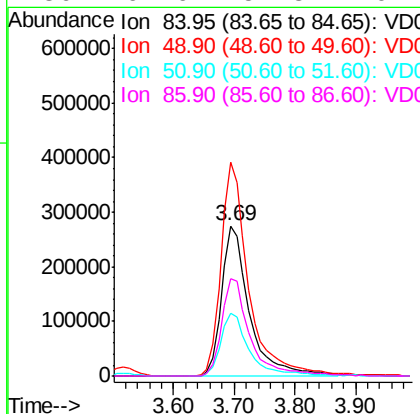
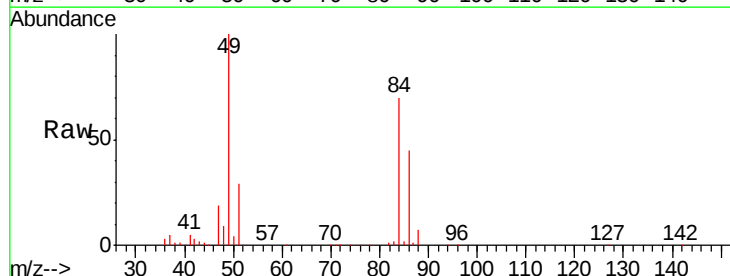
Tgt Ion: 73 Resp: 1199642
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.6 26.4

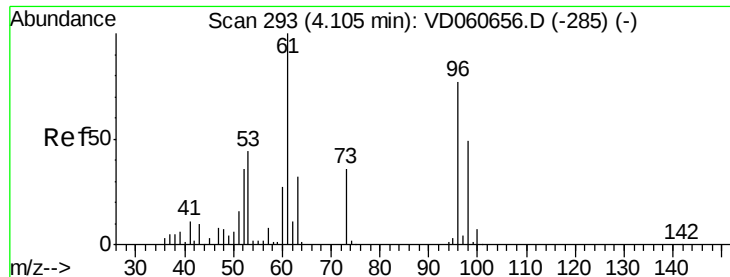


#20

Methylene Chloride
 Concen: 46.141 ug/l
 RT: 3.69 min Scan# 251
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion: 84 Resp: 877318
 Ion Ratio Lower Upper
 84 100
 49 142.4 113.6 170.4
 51 41.5 34.7 52.1
 86 64.6 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 56.583 ug/l

RT: 4.08 min Scan# 290

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

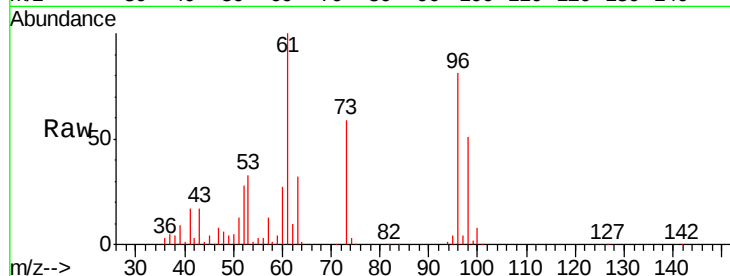
Tgt Ion: 96 Resp: 972984

Ion Ratio Lower Upper

96 100

61 123.9 104.2 156.2

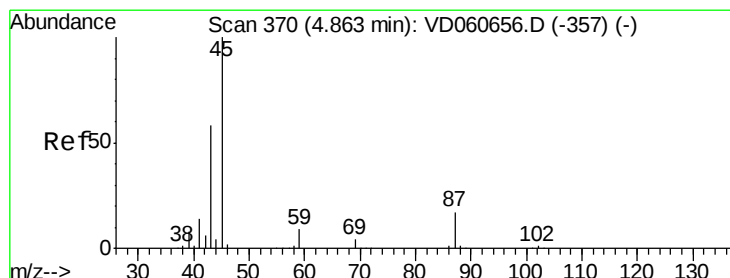
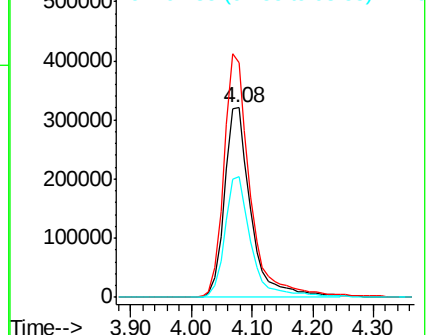
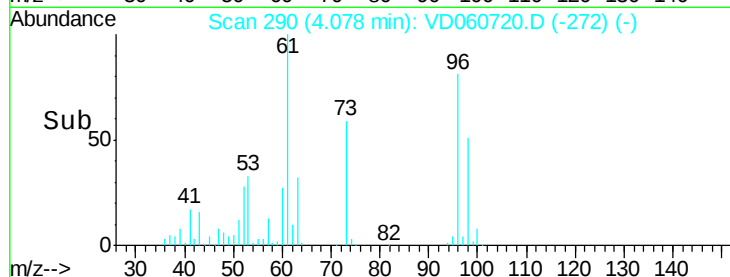
98 63.5 51.2 76.8



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: 56.571 ug/l

RT: 4.83 min Scan# 366

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Tgt Ion: 45 Resp: 2959327

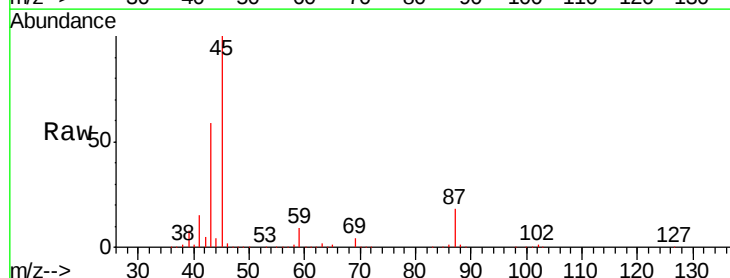
Ion Ratio Lower Upper

45 100

43 58.5 46.1 69.1

87 17.7 13.7 20.5

59 9.1 7.4 11.0

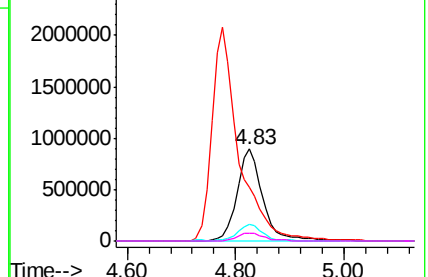
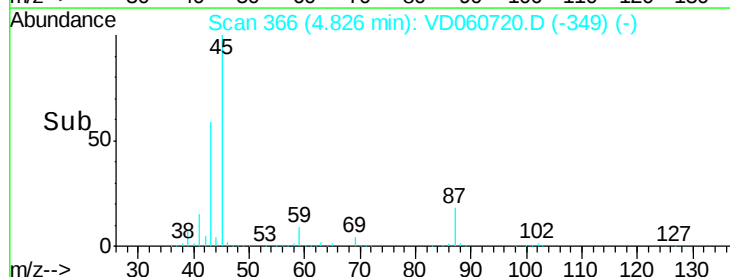


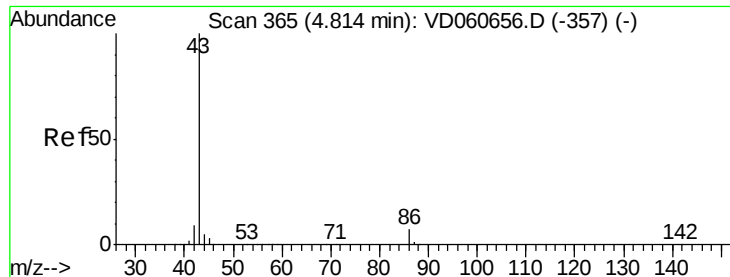
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 281.464 ug/l

RT: 4.78 min Scan# 361

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

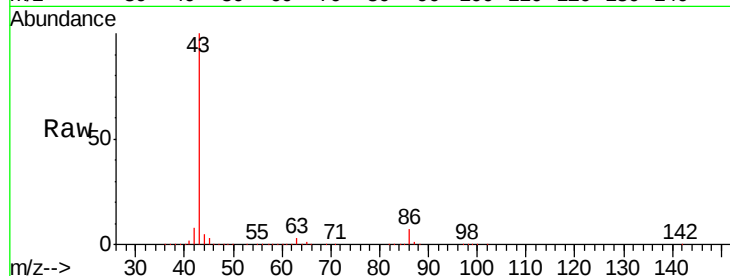
VSTDCCC050

Tgt Ion: 43 Resp: 7123425

Ion Ratio Lower Upper

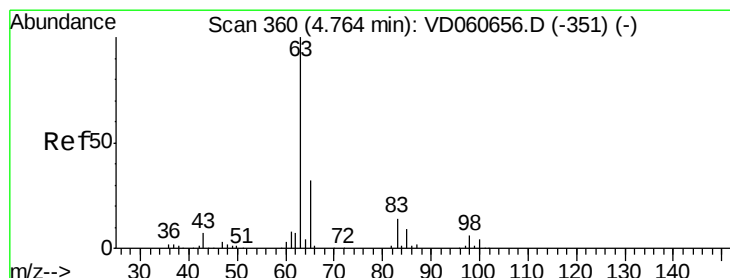
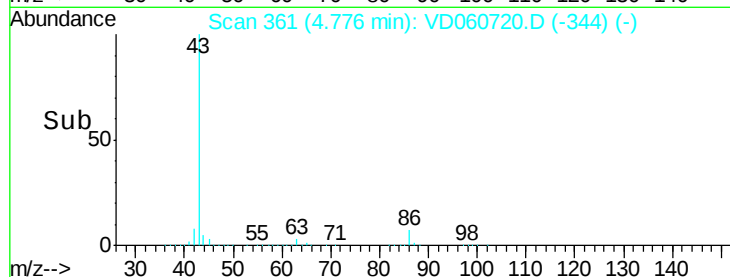
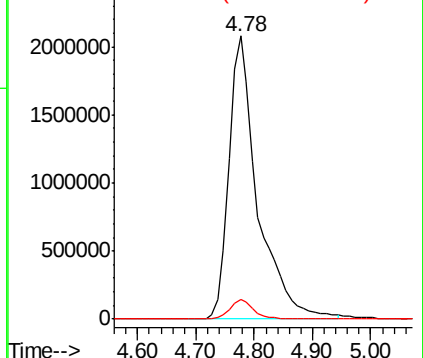
43 100

86 7.0 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.757 ug/l

RT: 4.73 min Scan# 356

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

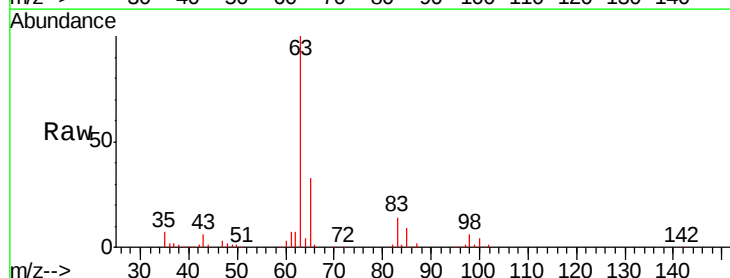
Tgt Ion: 63 Resp: 1561697

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

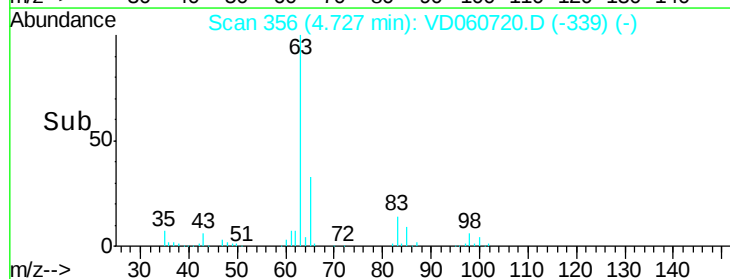
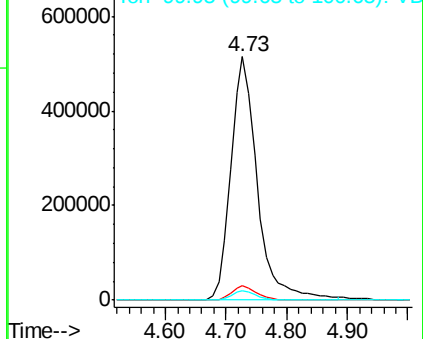
100 3.7 2.0 5.8

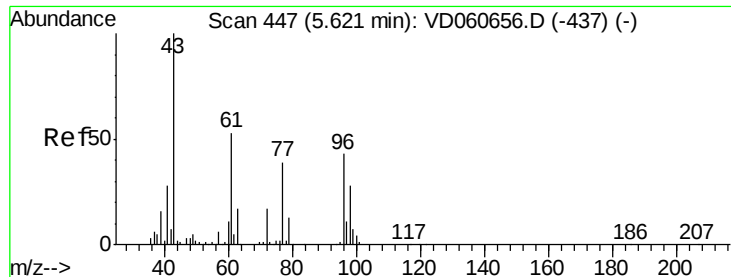


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 281.520 ug/l

RT: 5.59 min Scan# 444

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

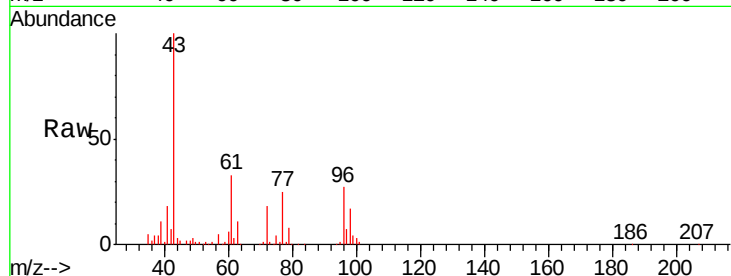
VSTDCCC050

Tgt Ion: 43 Resp: 986312

Ion Ratio Lower Upper

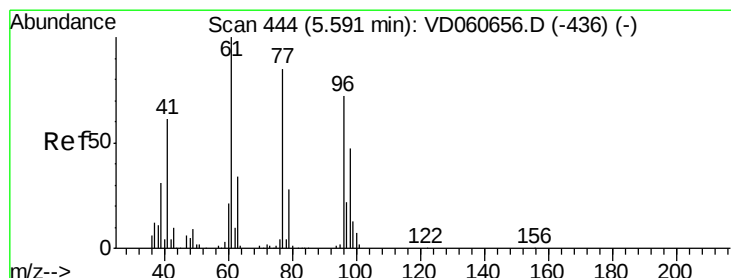
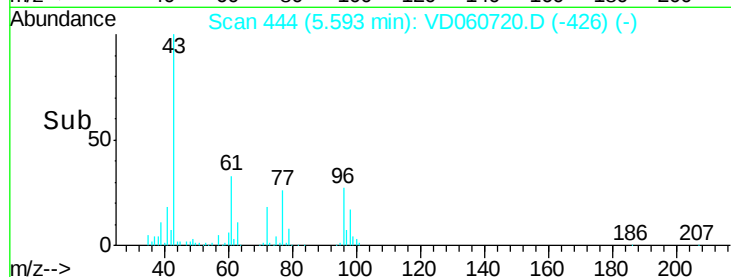
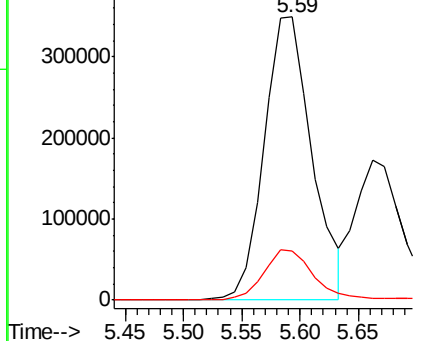
43 100

72 17.6 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 58.576 ug/l

RT: 5.55 min Scan# 440

Delta R.T. -0.04 min

Lab File: VD060720.D

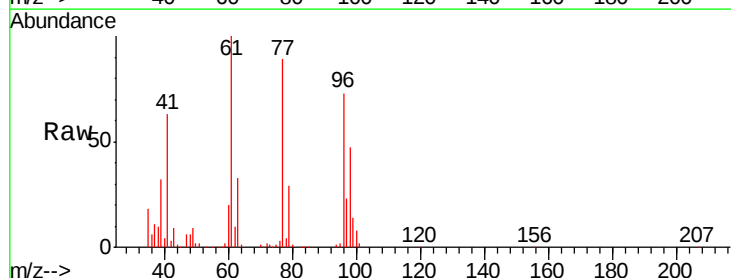
Acq: 27 Dec 2018 11:53

Tgt Ion: 77 Resp: 1272254

Ion Ratio Lower Upper

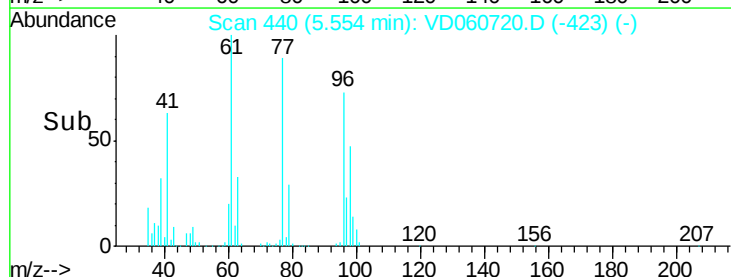
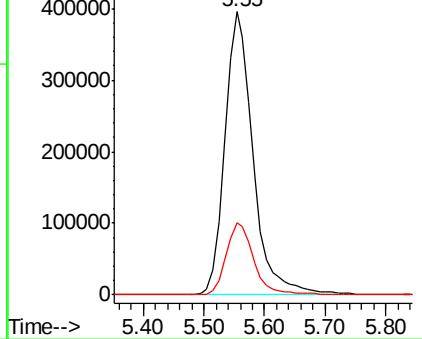
77 100

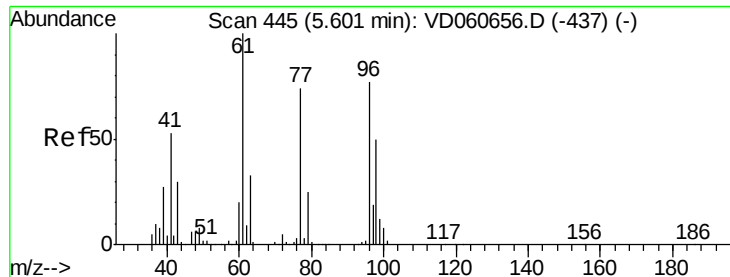
97 25.6 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



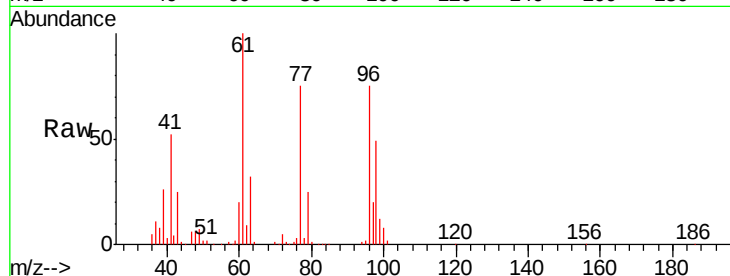


#27

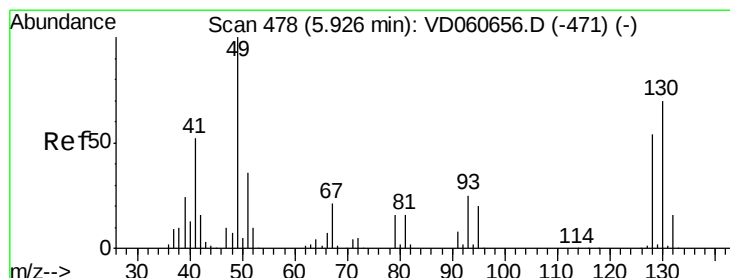
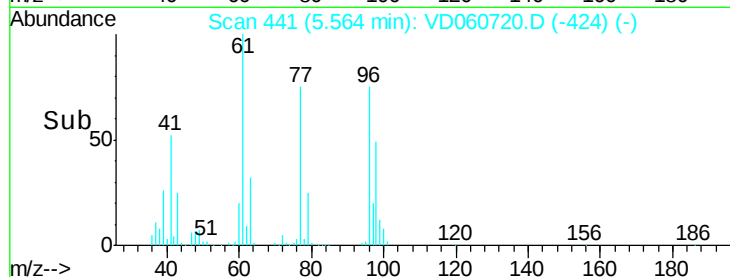
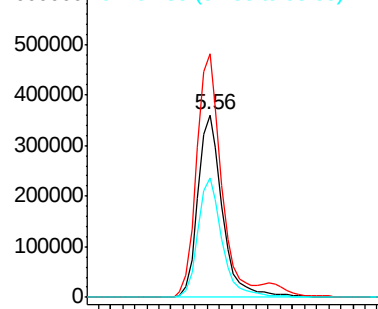
cis-1,2-Dichloroethene
Concen: 58.212 ug/l
RT: 5.56 min Scan# 441
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 1016150
Ion Ratio Lower Upper
96 100
61 133.5 0.0 259.4
98 65.8 0.0 130.0



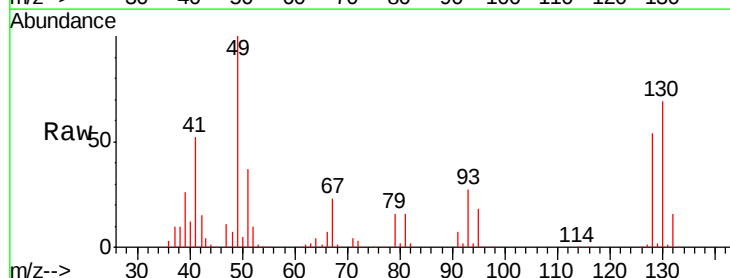
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



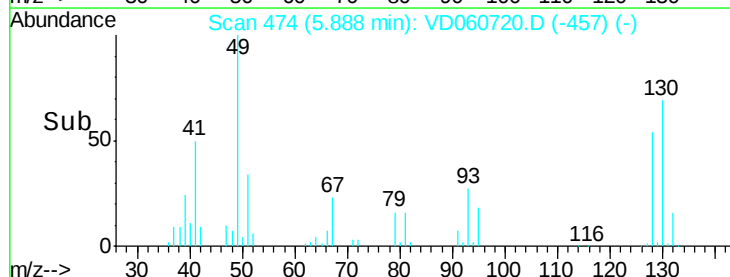
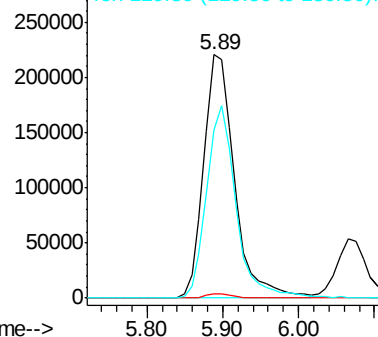
#28

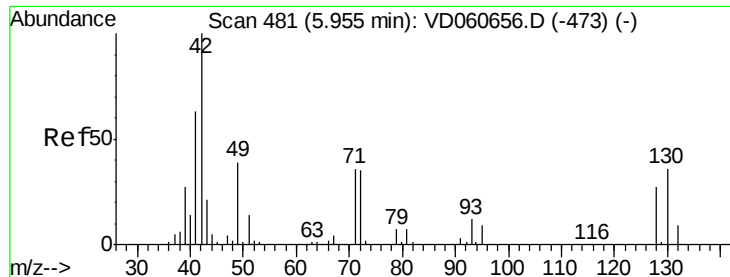
Bromochloromethane
Concen: 53.318 ug/l
RT: 5.89 min Scan# 474
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 49 Resp: 619774
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 69.1 56.2 84.2



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

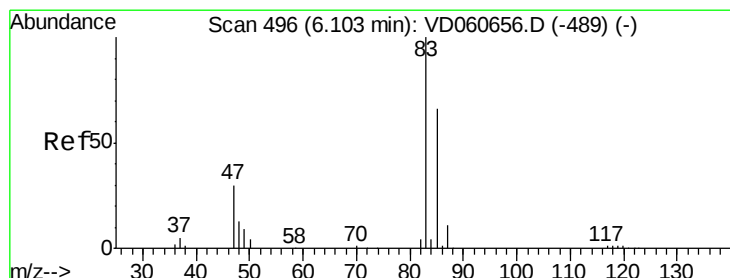
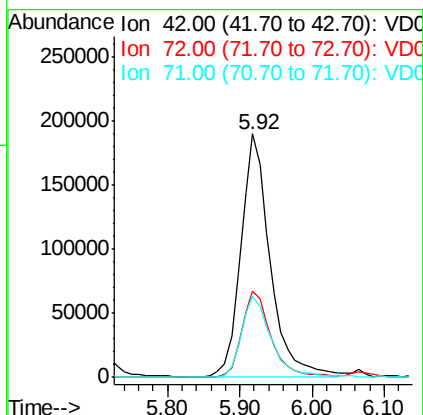
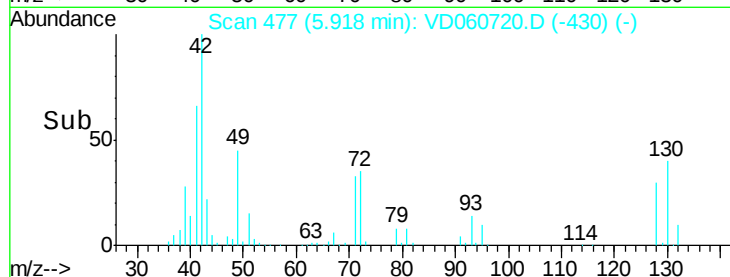
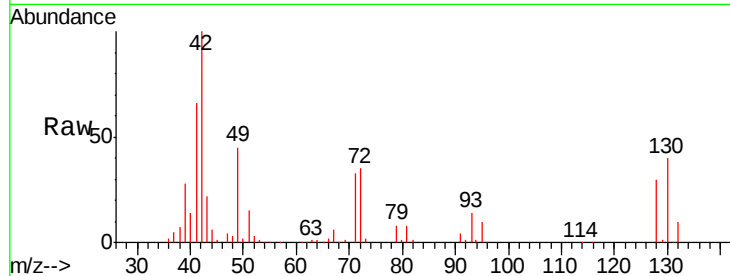




#29
Tetrahydrofuran
Concen: 269.257 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

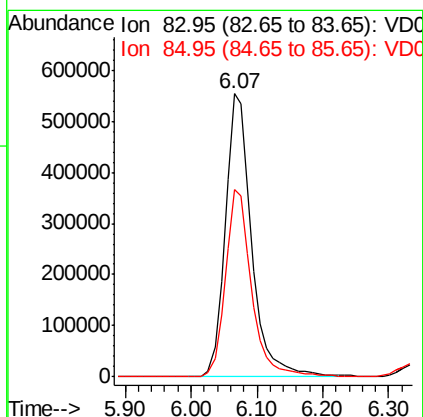
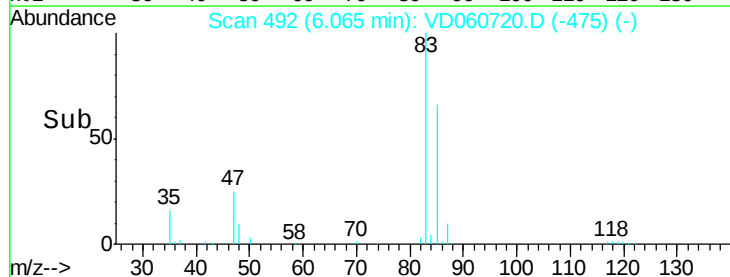
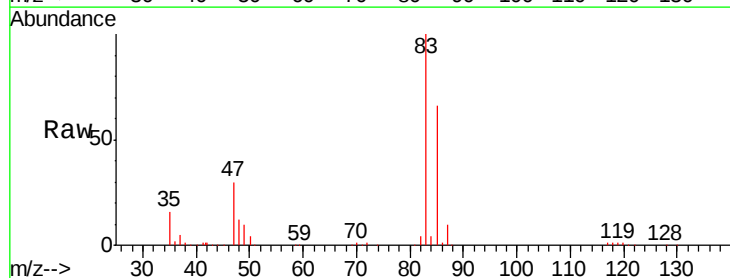
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

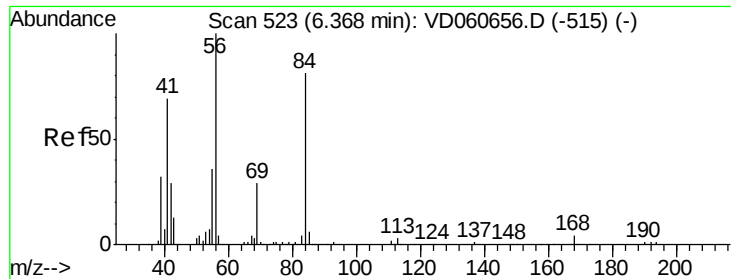
Tgt Ion: 42 Resp: 534784
Ion Ratio Lower Upper
42 100
72 35.1 28.0 42.0
71 34.4 27.0 40.6



#30
Chloroform
Concen: 55.776 ug/l
RT: 6.07 min Scan# 492
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 83 Resp: 1544259
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.6

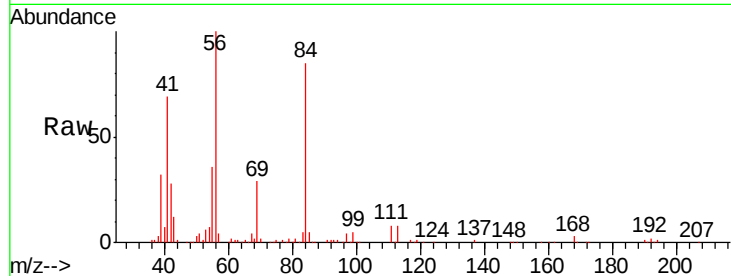




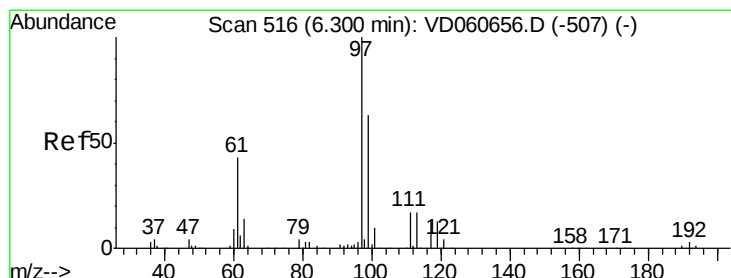
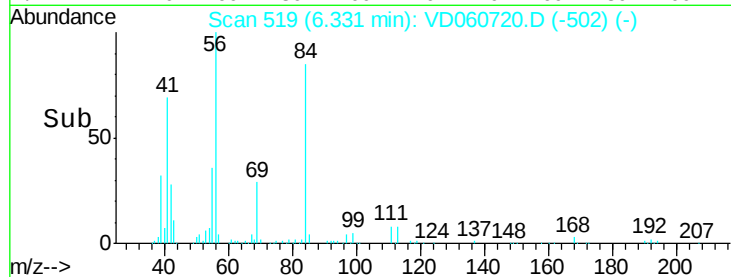
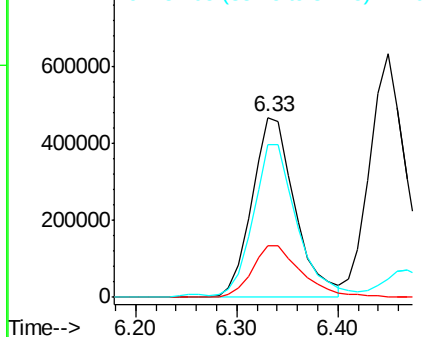
#31
Cyclohexane
Concen: 52.304 ug/l
RT: 6.33 min Scan# 519
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 1384980
Ion Ratio Lower Upper
56 100
69 28.6 23.6 35.4
84 84.6 65.8 98.6

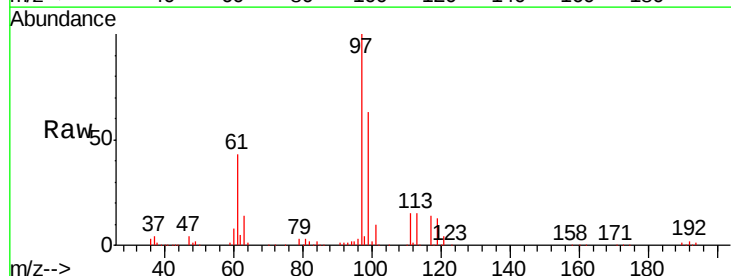


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

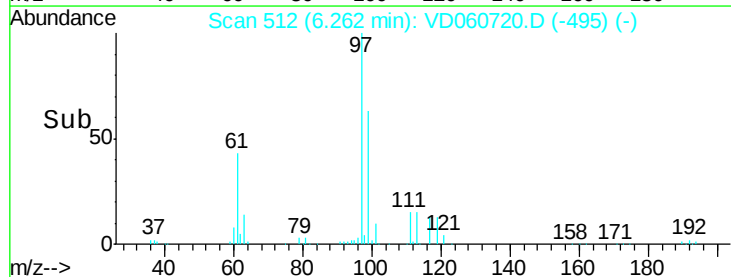
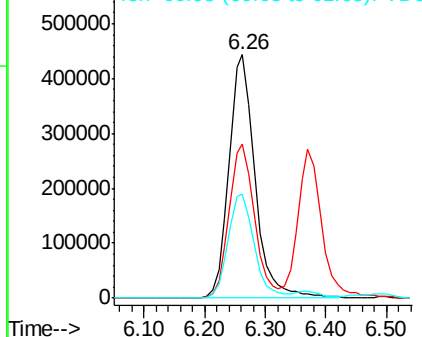


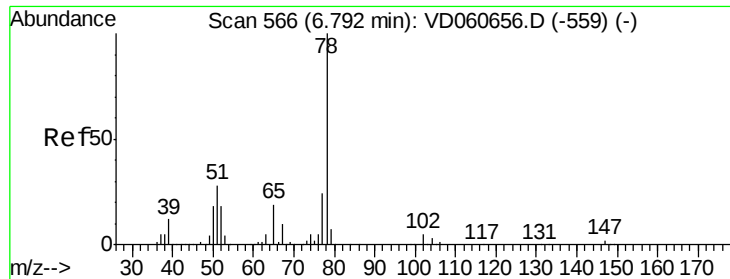
#32
1,1,1-Trichloroethane
Concen: 57.893 ug/l
RT: 6.26 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 97 Resp: 1326122
Ion Ratio Lower Upper
97 100
99 63.2 50.5 75.7
61 42.9 34.6 51.8



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





#33

1,2-Dichloroethane-d4

Concen: 57.893 ug/l

RT: 6.75 min Scan# 562

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

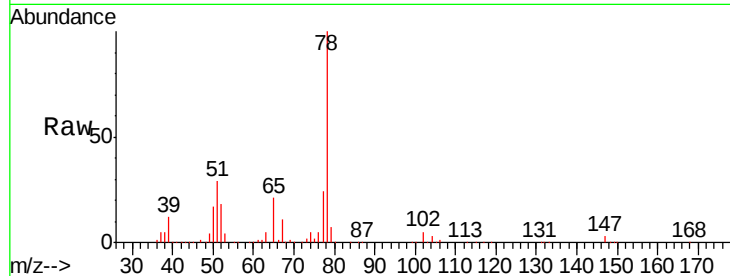
VSTDCCC050

Tgt Ion: 65 Resp: 582056

Ion Ratio Lower Upper

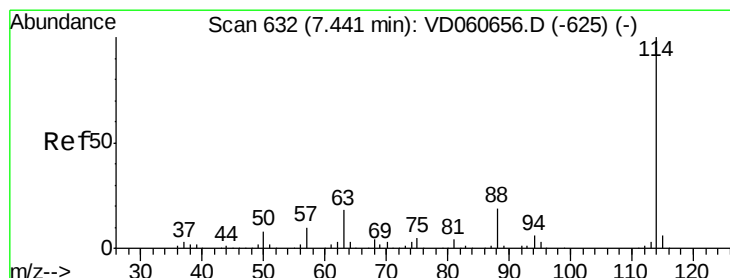
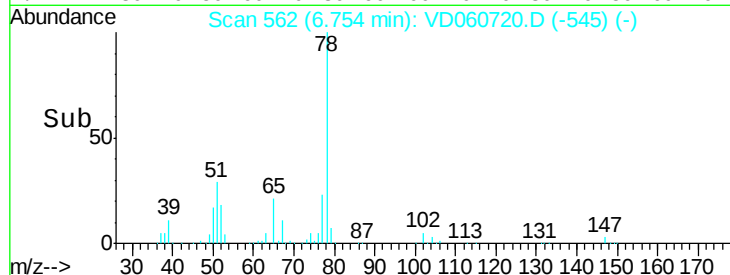
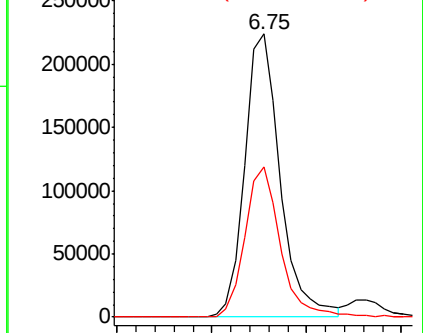
65 100

67 53.0 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 629

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

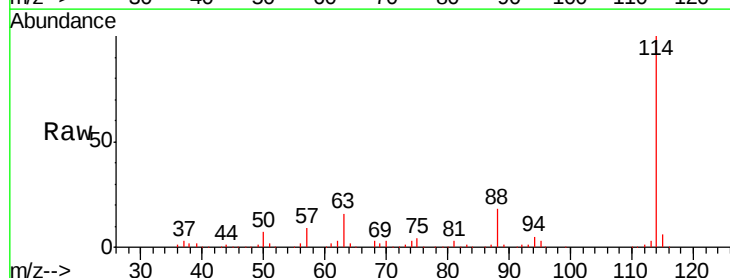
Tgt Ion: 114 Resp: 2149563

Ion Ratio Lower Upper

114 100

63 16.3 0.0 36.2

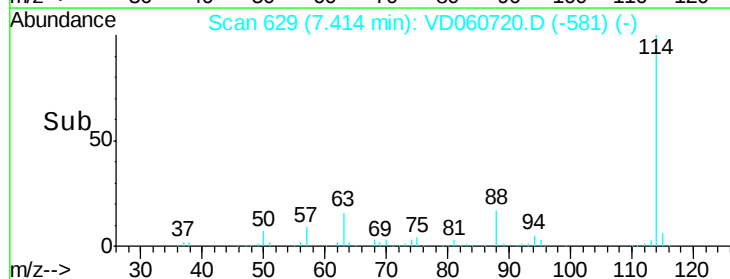
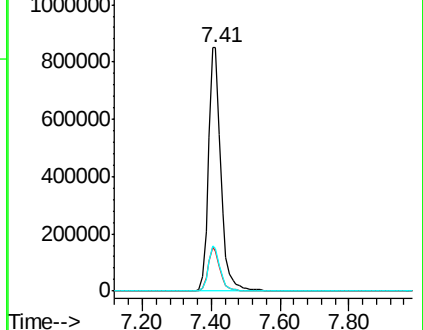
88 17.6 0.0 37.0

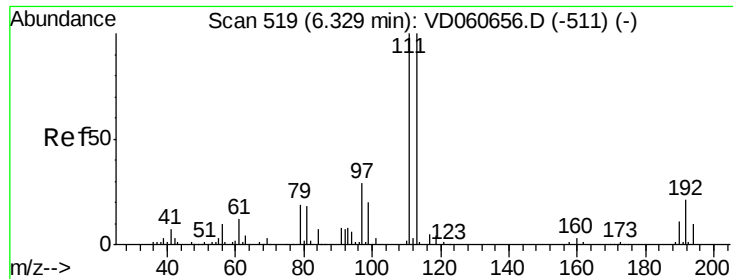


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

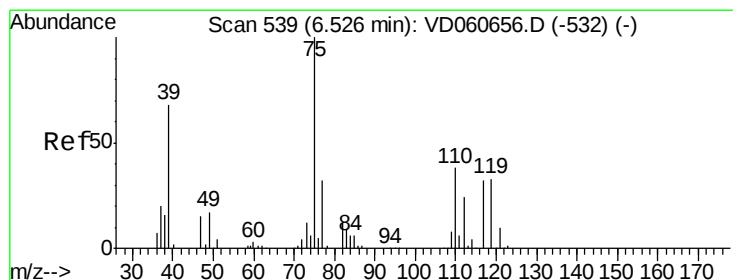
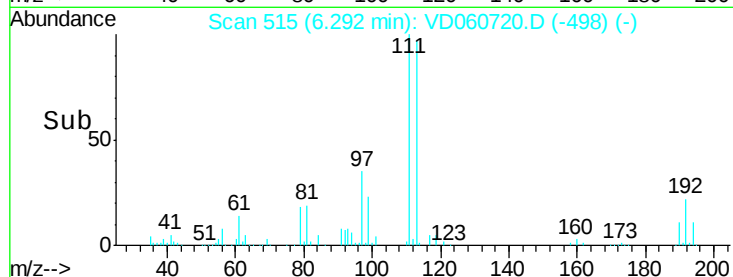
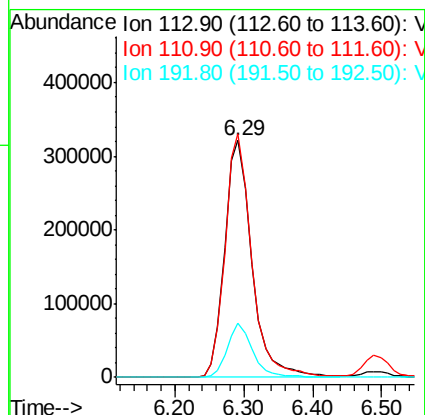
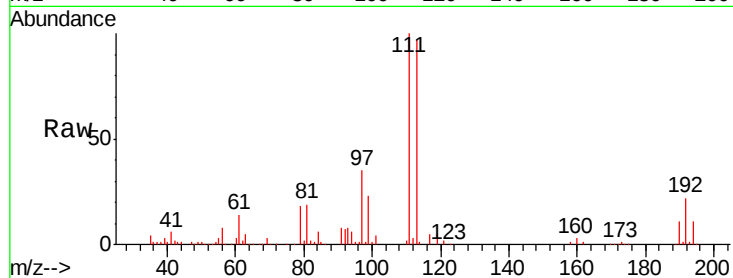




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.29 min Scan# 515
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

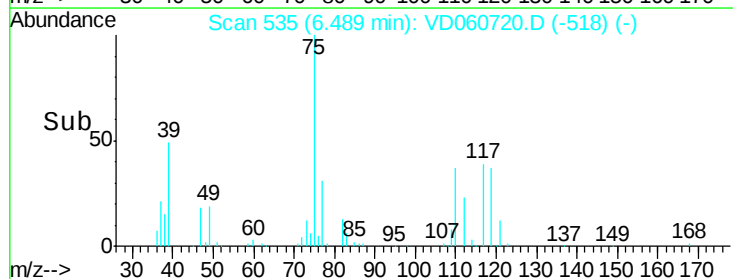
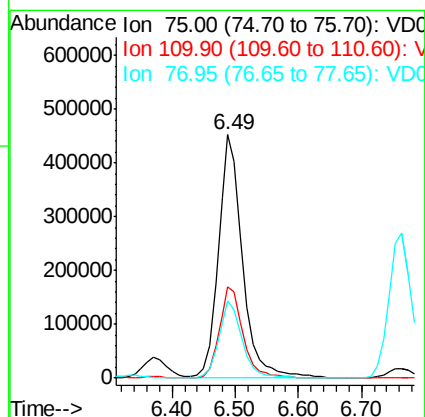
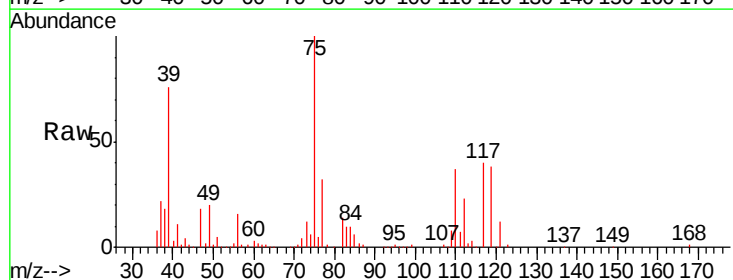
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

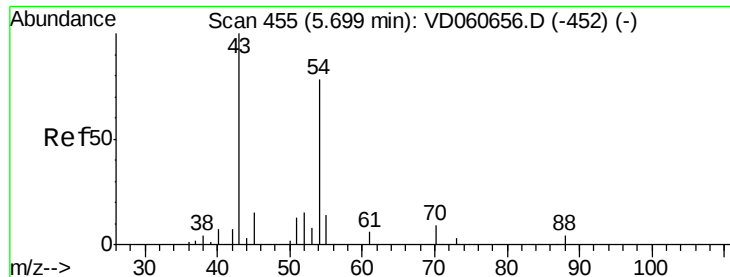
Tgt Ion:113 Resp: 883143
Ion Ratio Lower Upper
113 100
111 102.8 80.0 120.0
192 22.7 16.6 25.0



#36
1,1-Dichloropropene
Concen: 53.808 ug/l
RT: 6.49 min Scan# 535
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 75 Resp: 1191020
Ion Ratio Lower Upper
75 100
110 37.3 18.9 56.7
77 31.7 25.4 38.0

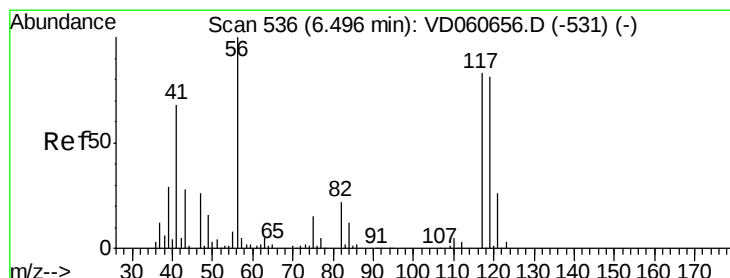
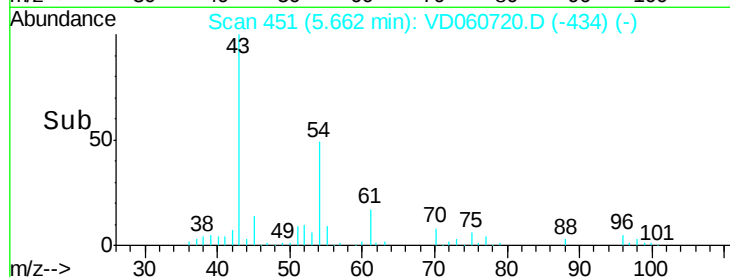
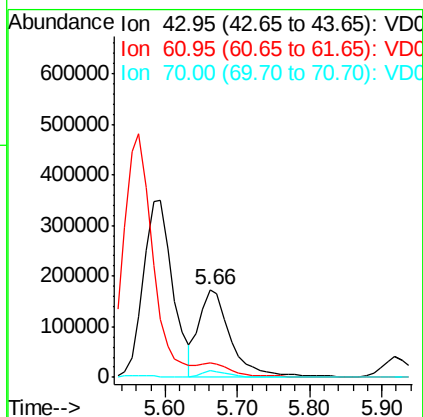
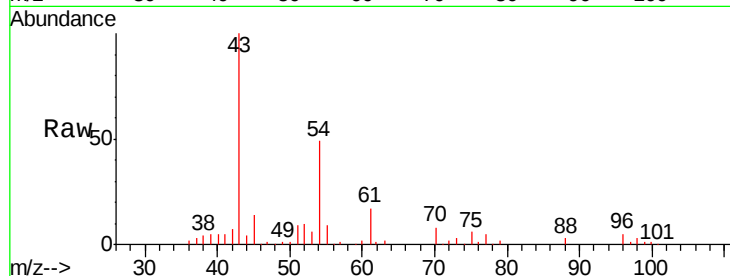




#37
Ethyl Acetate
Concen: 55.062 ug/l
RT: 5.66 min Scan# 451
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

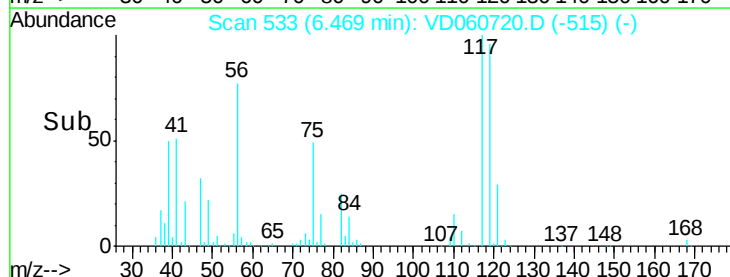
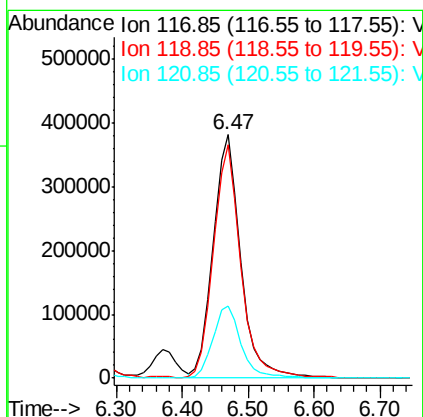
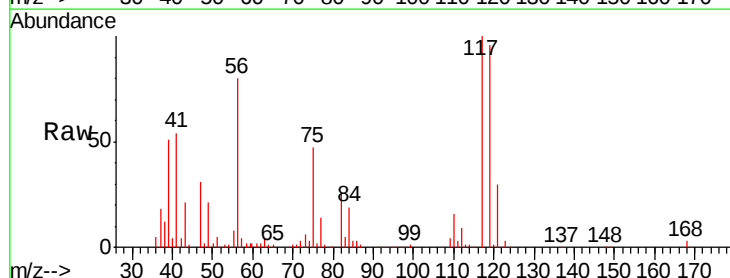
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

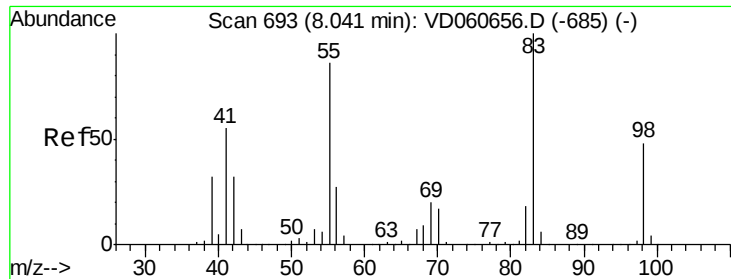
Tgt Ion: 43 Resp: 509726
Ion Ratio Lower Upper
43 100
61 16.7 11.8 17.6
70 7.7 5.8 8.6



#38
Carbon Tetrachloride
Concen: 55.658 ug/l
RT: 6.47 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 117 Resp: 1086858
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.4
121 29.7 24.7 37.1

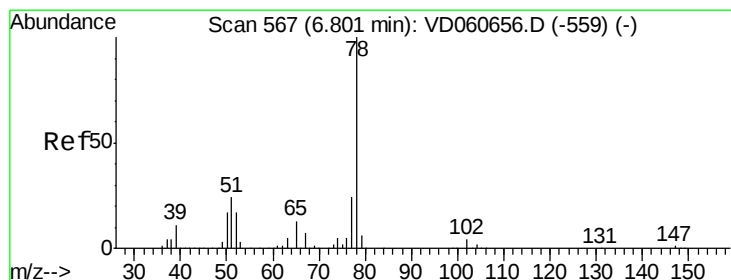
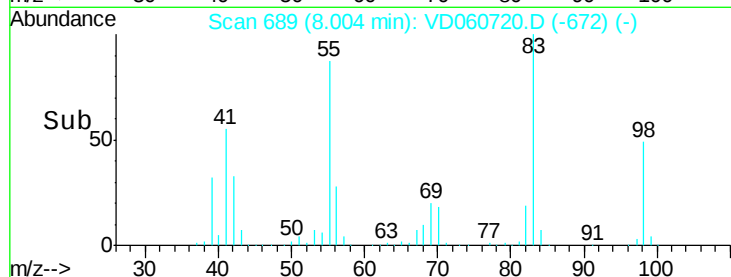
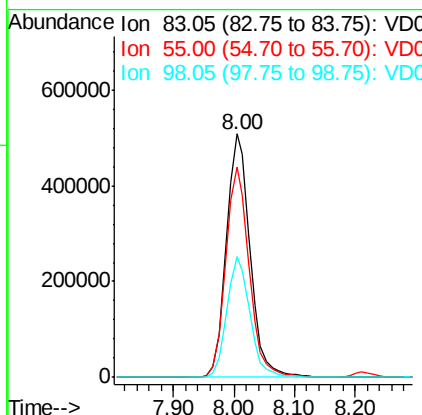
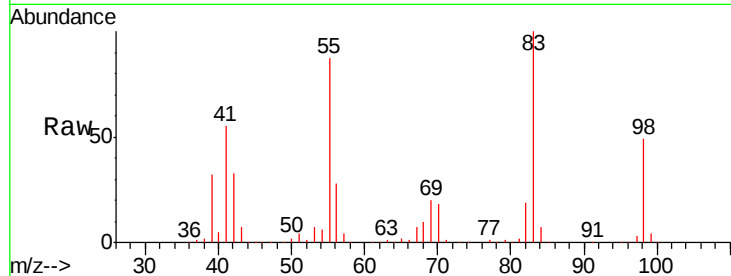




#39
Methylcyclohexane
Concen: 54.751 ug/l
RT: 8.00 min Scan# 689
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

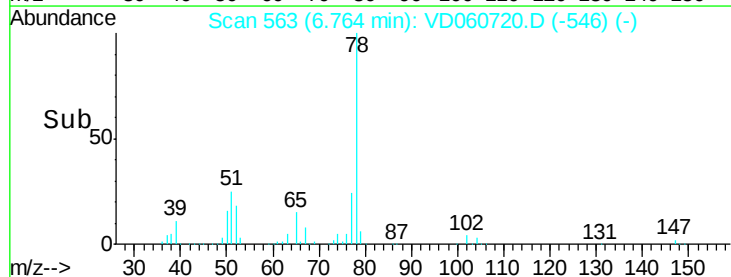
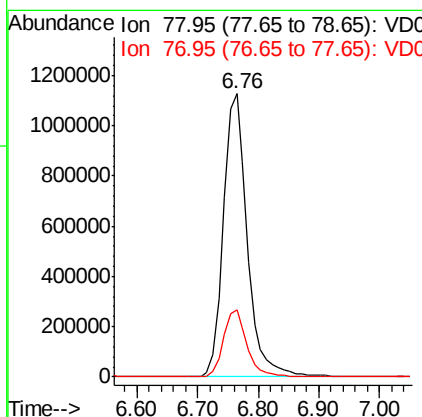
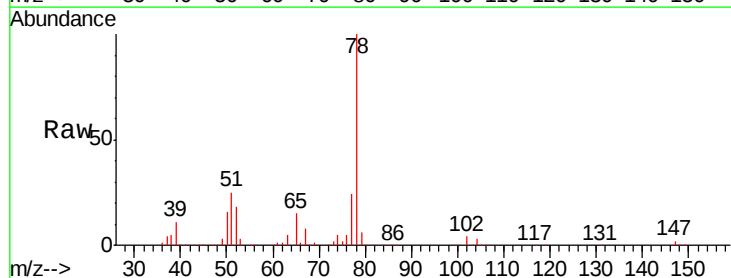
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

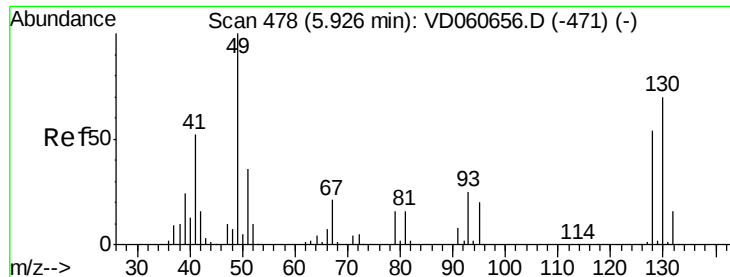
Tgt Ion: 83 Resp: 1382180
Ion Ratio Lower Upper
83 100
55 86.6 68.6 102.8
98 49.3 38.1 57.1



#40
Benzene
Concen: 53.960 ug/l
RT: 6.76 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 78 Resp: 3085161
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8





#41

Methacrylonitrile

Concen: 112.189 ug/l

RT: 5.92 min Scan# 477

Delta R.T. -0.01 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 574467

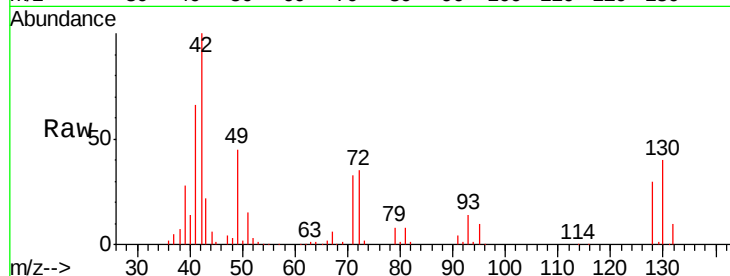
Ion Ratio Lower Upper

41 100

39 42.4 37.6 56.4

67 8.5 33.0 49.6#

52 4.2 15.5 23.3#

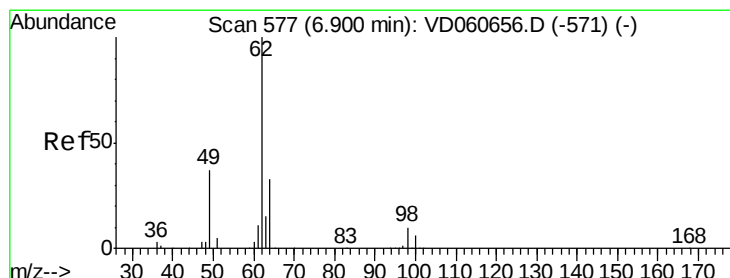
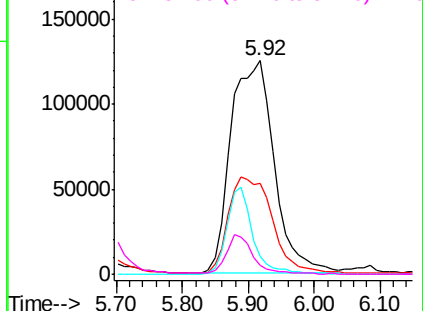
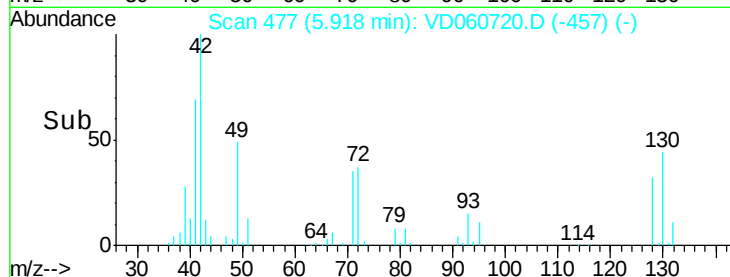


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.564 ug/l

RT: 6.86 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD060720.D

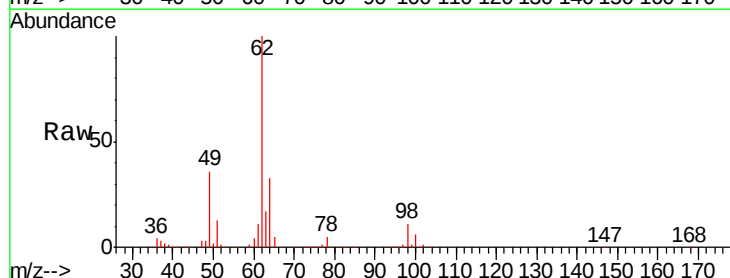
Acq: 27 Dec 2018 11:53

Tgt Ion: 62 Resp: 774179

Ion Ratio Lower Upper

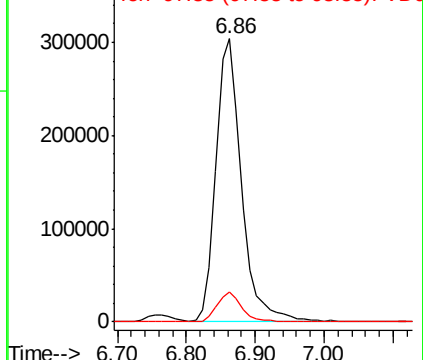
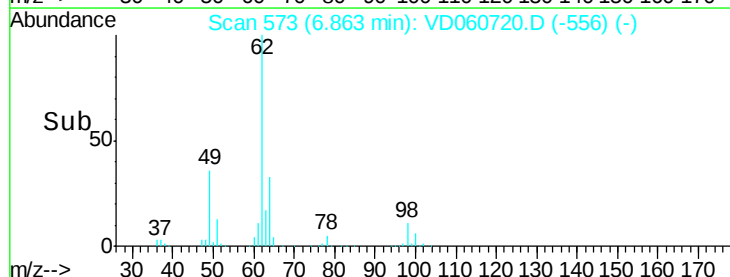
62 100

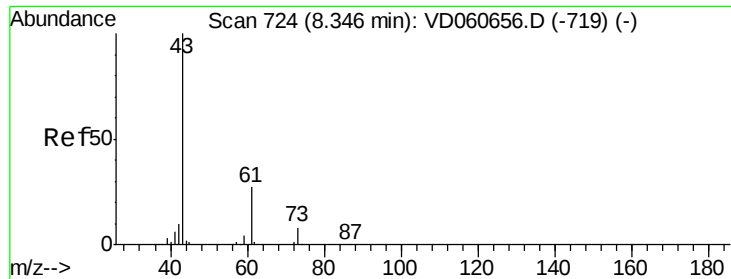
98 10.8 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.769 ug/l

RT: 8.32 min Scan# 721

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

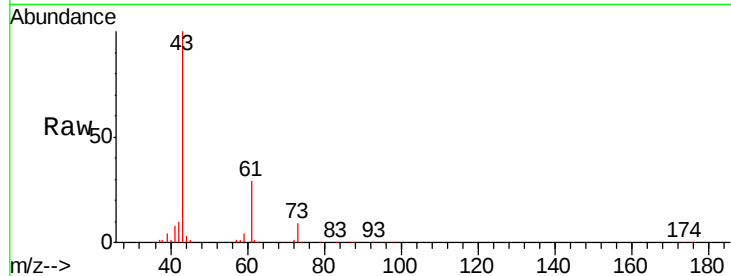
Tgt Ion: 43 Resp: 650632

Ion Ratio Lower Upper

43 100

61 29.0 21.8 32.8

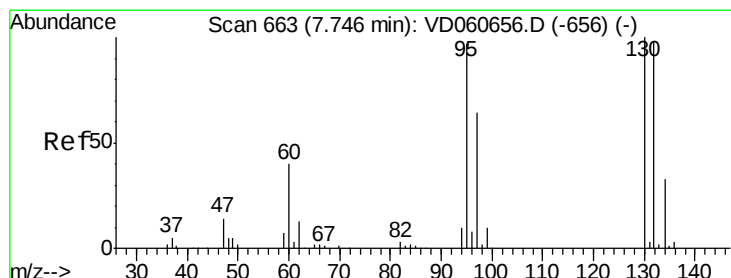
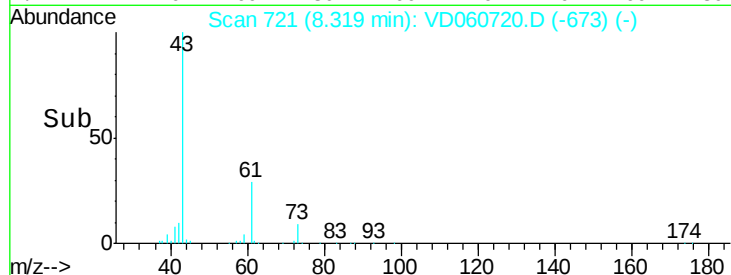
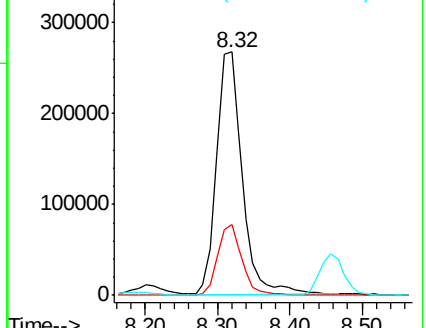
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 55.839 ug/l

RT: 7.71 min Scan# 659

Delta R.T. -0.04 min

Lab File: VD060720.D

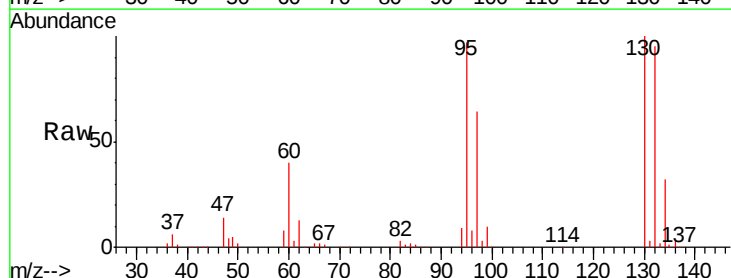
Acq: 27 Dec 2018 11:53

Tgt Ion: 130 Resp: 944931

Ion Ratio Lower Upper

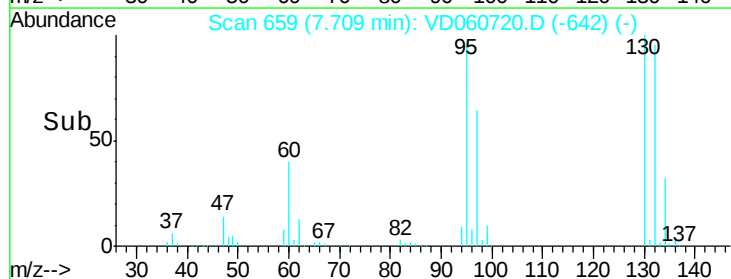
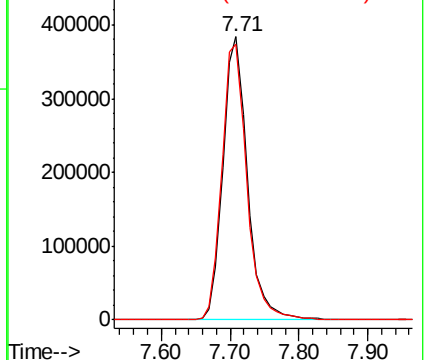
130 100

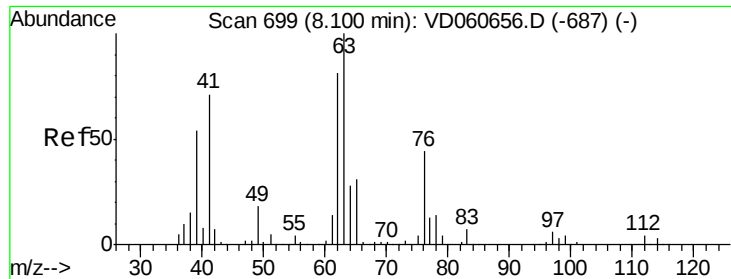
95 97.3 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.267 ug/l

RT: 8.06 min Scan# 695

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

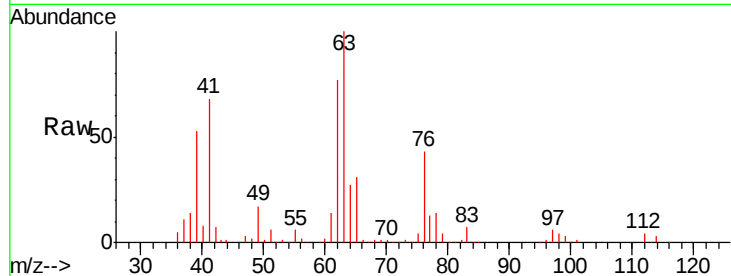
VSTDCCC050

Tgt Ion: 63 Resp: 760905

Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.06

300000

200000

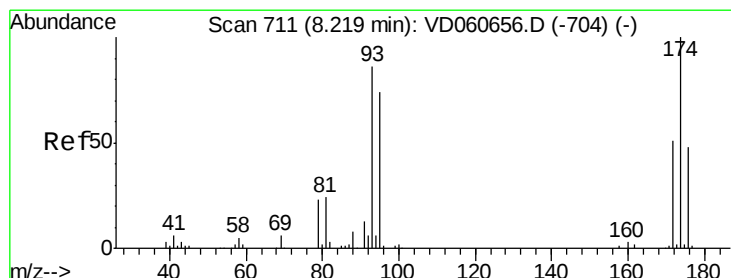
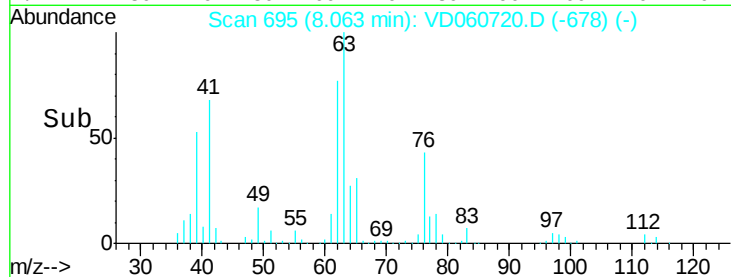
100000

0

Time-->

8.00

8.20



#46

Dibromomethane

Concen: 55.103 ug/l

RT: 8.18 min Scan# 707

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

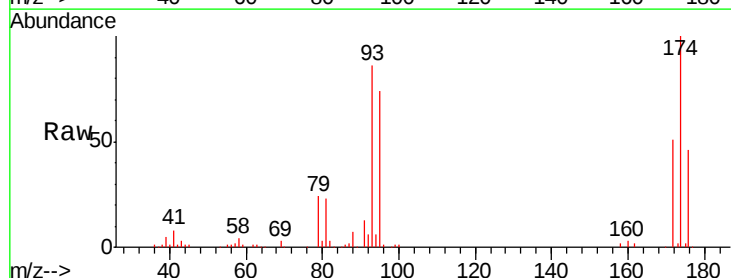
Tgt Ion: 93 Resp: 440970

Ion Ratio Lower Upper

93 100

95 86.3 68.8 103.2

174 115.8 93.0 139.4



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

300000

250000

200000

150000

100000

50000

0

Time-->

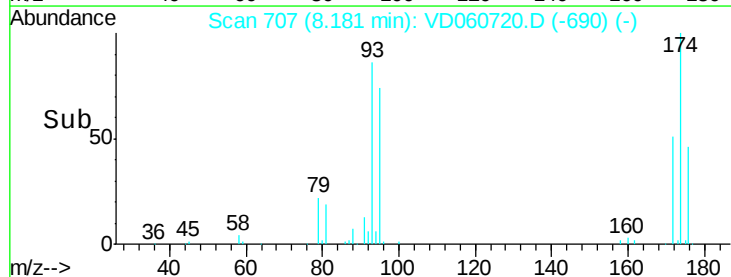
8.00

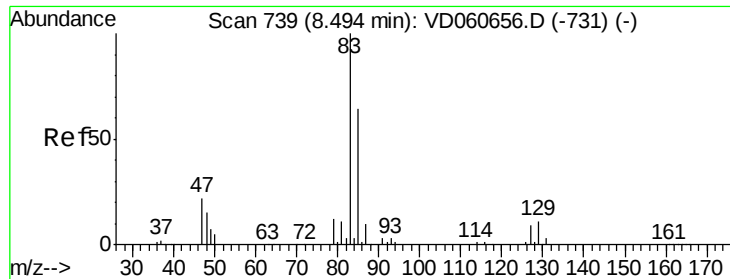
8.10

8.20

8.30

8.40





#47

Bromodichloromethane

Concen: 56.563 ug/l

RT: 8.46 min Scan# 735

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

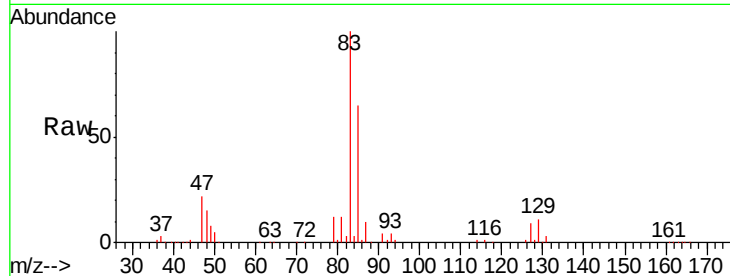
Tgt Ion: 83 Resp: 1072113

Ion Ratio Lower Upper

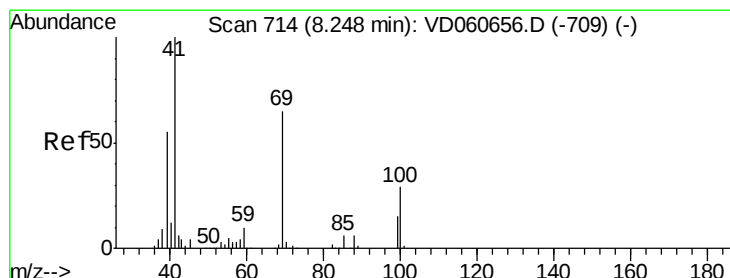
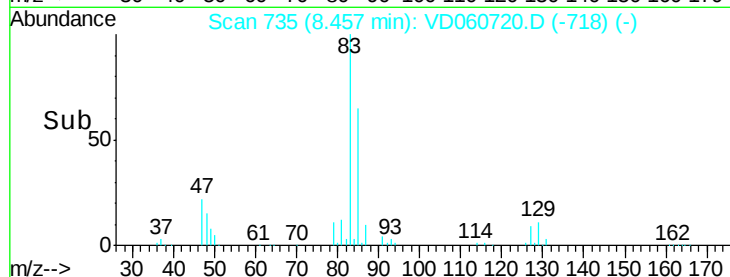
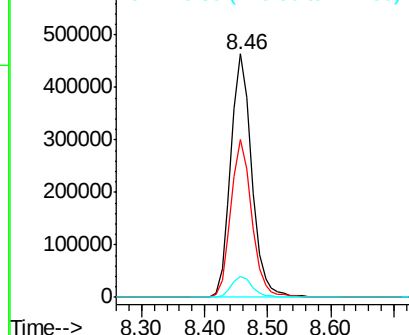
83 100

85 64.9 51.1 76.7

127 8.5 7.0 10.6



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: 55.997 ug/l

RT: 8.21 min Scan# 710

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

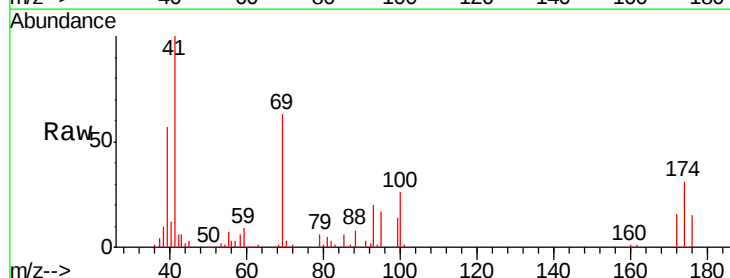
Tgt Ion: 41 Resp: 404033

Ion Ratio Lower Upper

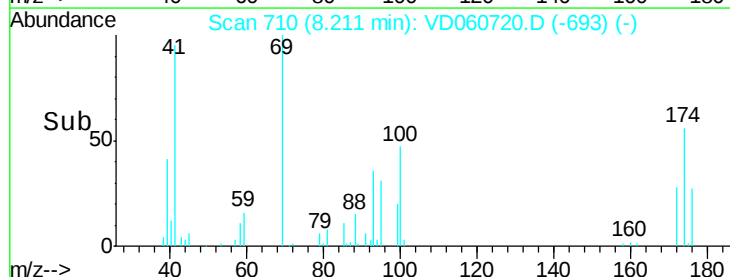
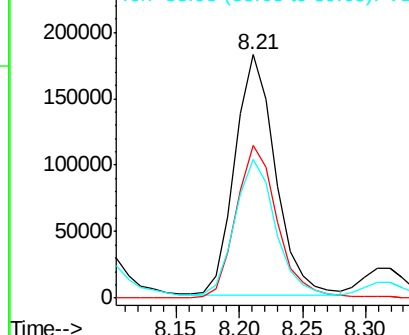
41 100

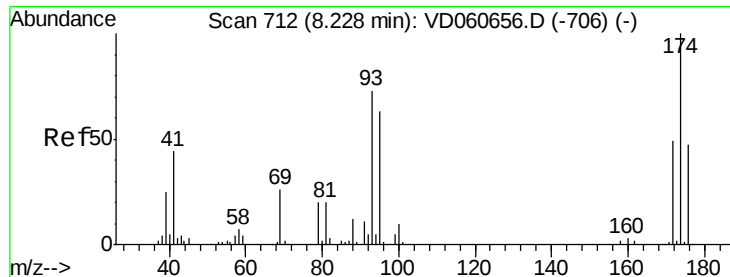
69 62.7 51.2 76.8

39 56.8 44.6 67.0



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

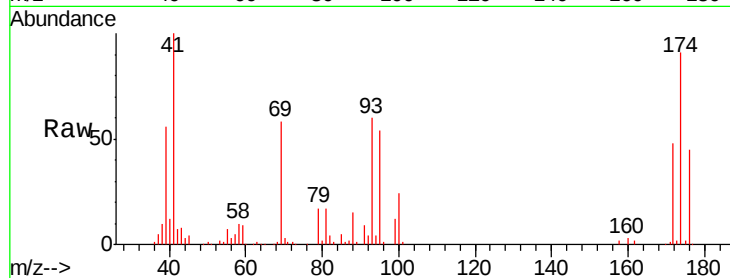




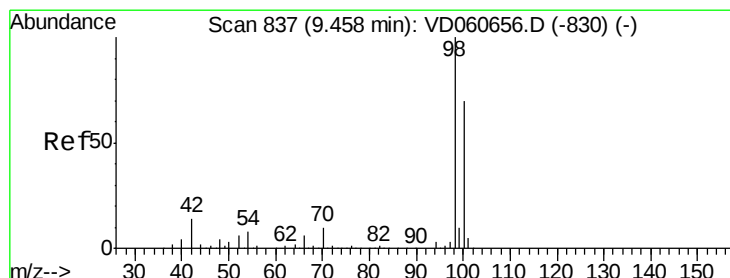
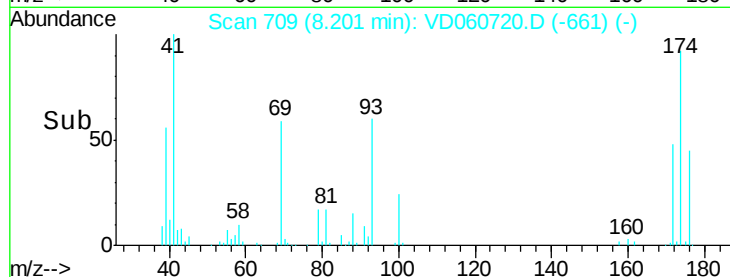
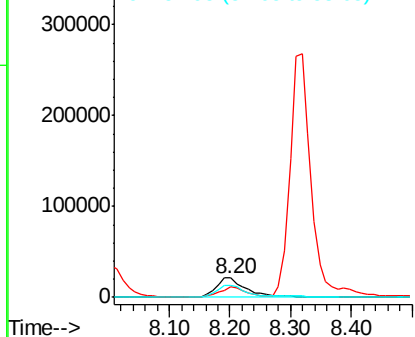
#49
1,4-Dioxane
Concen: 1123.838 ug/l
RT: 8.20 min Scan# 709
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 75395
Ion Ratio Lower Upper
88 100
43 52.7 31.5 47.3#
58 64.3 50.6 76.0

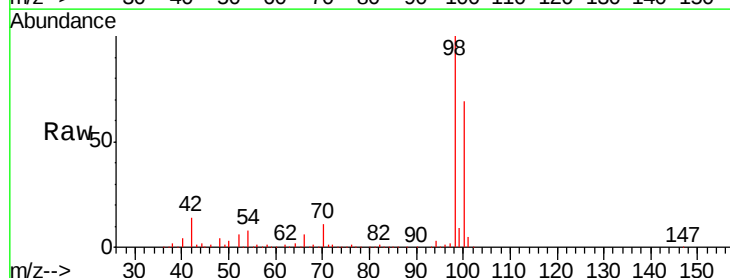


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

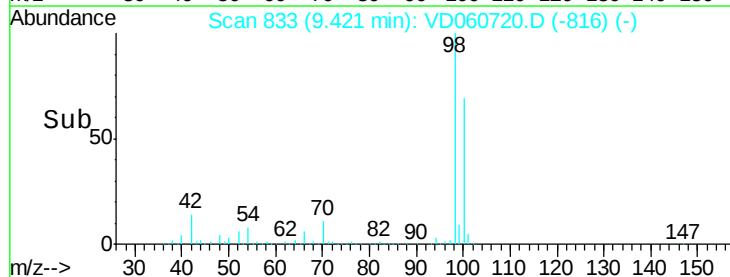
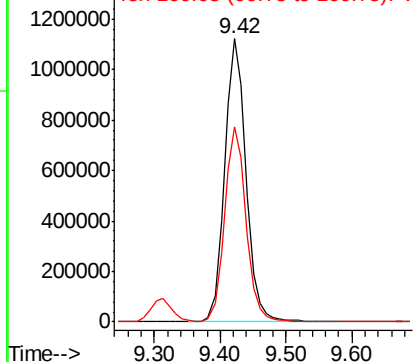


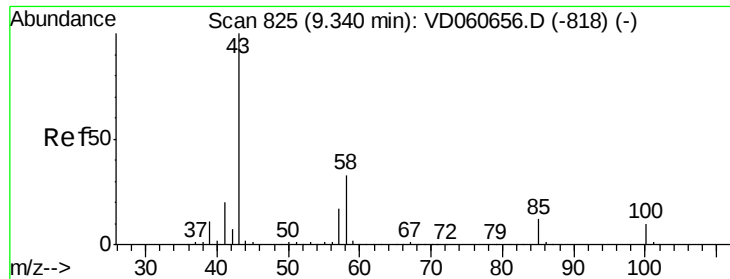
#50
Toluene-d8
Concen: 1123.838 ug/l
RT: 9.42 min Scan# 833
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 98 Resp: 2541033
Ion Ratio Lower Upper
98 100
100 69.0 55.8 83.8



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: 275.425 ug/l

RT: 9.31 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

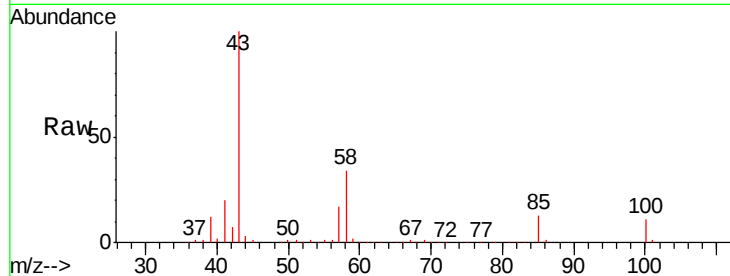
VSTDCCC050

Tgt Ion: 43 Resp: 2004634

Ion Ratio Lower Upper

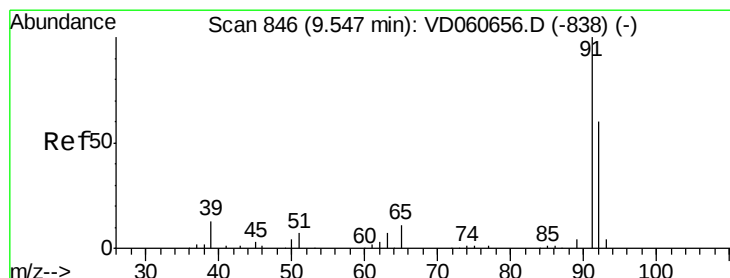
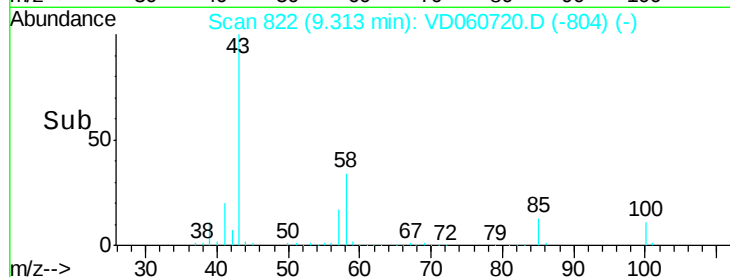
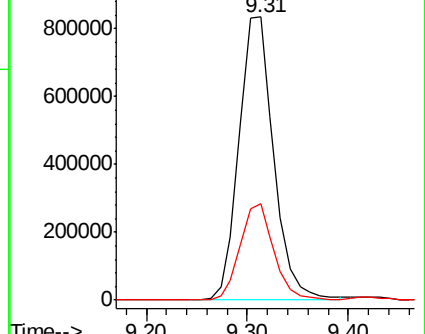
43 100

58 34.1 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.480 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.03 min

Lab File: VD060720.D

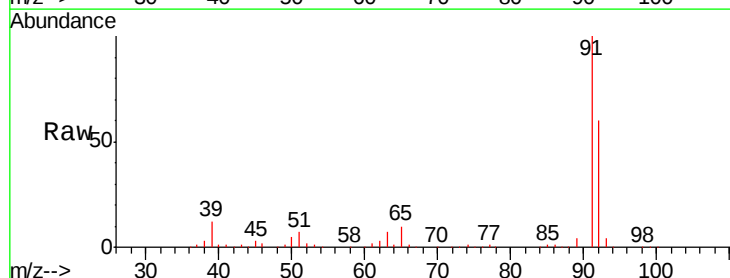
Acq: 27 Dec 2018 11:53

Tgt Ion: 92 Resp: 1952716

Ion Ratio Lower Upper

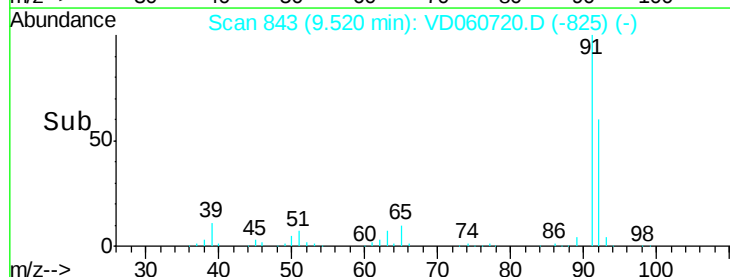
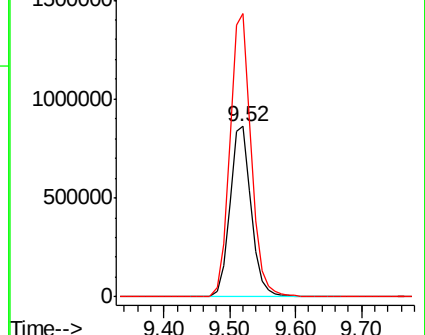
92 100

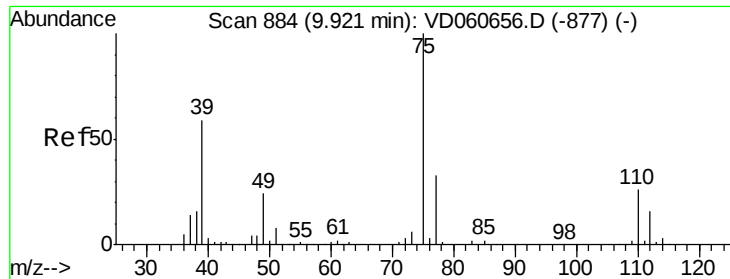
91 165.8 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

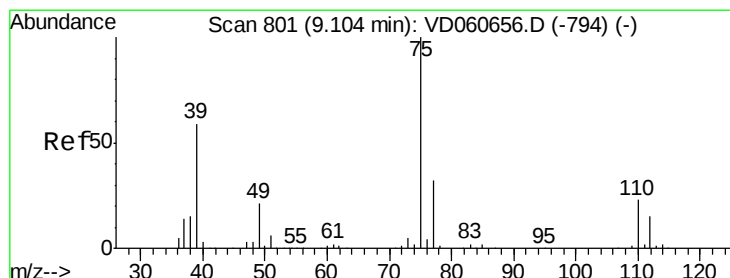
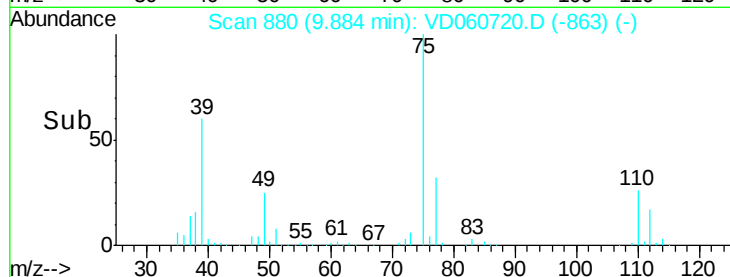
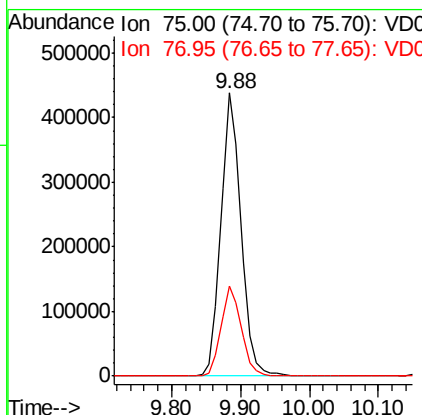
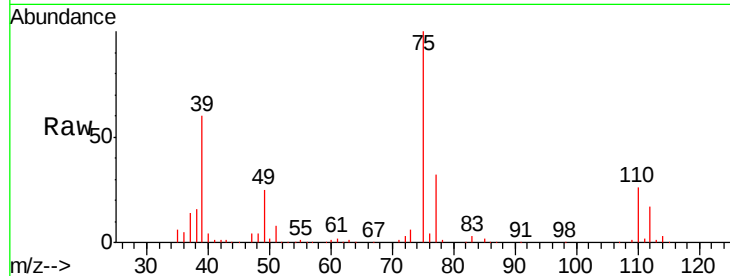




#53
 t-1,3-Dichloropropene
 Concen: 56.021 ug/l
 RT: 9.88 min Scan# 880
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

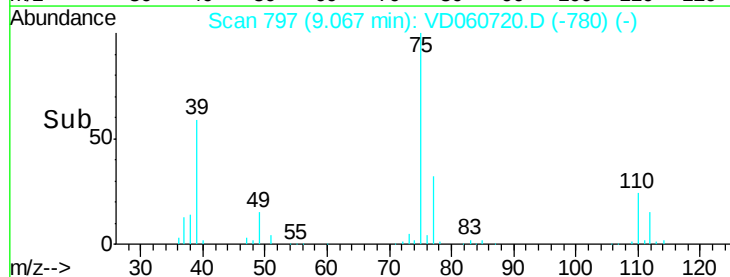
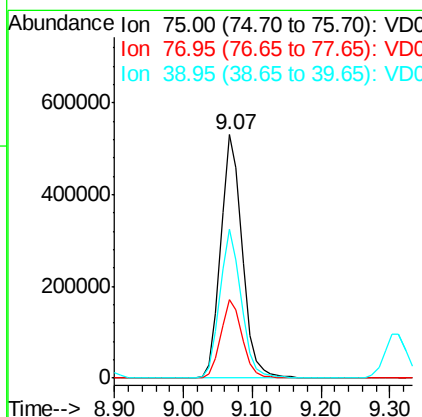
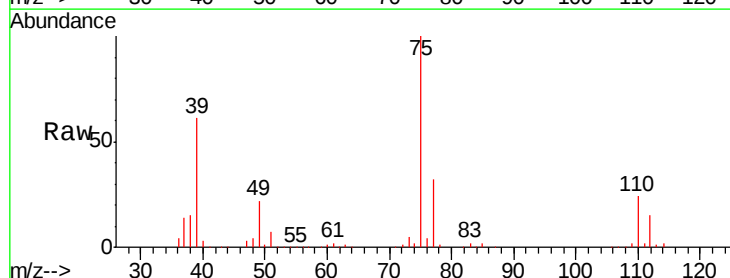
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

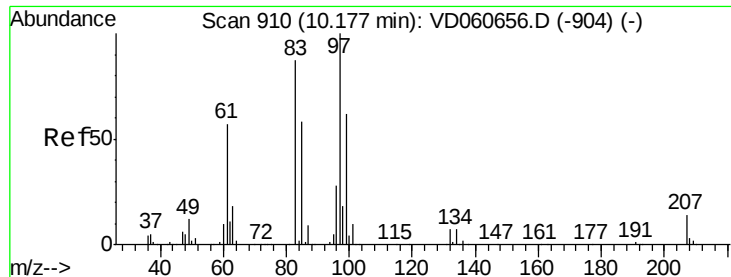
Tgt Ion: 75 Resp: 885862
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 55.698 ug/l
 RT: 9.07 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion: 75 Resp: 1152824
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2
 39 60.9 47.0 70.4

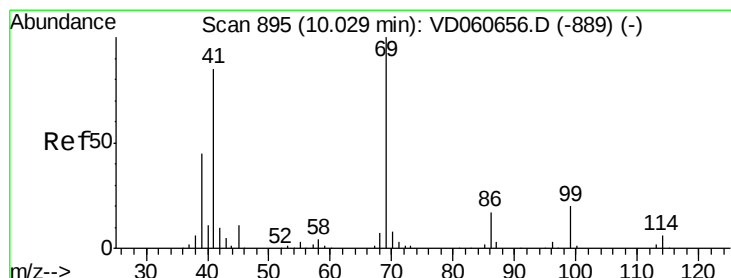
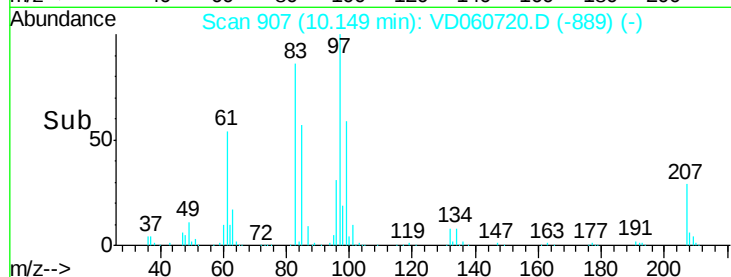
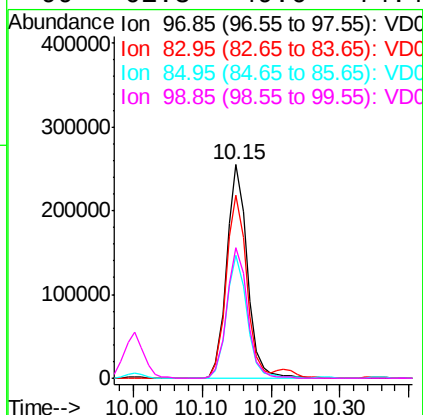
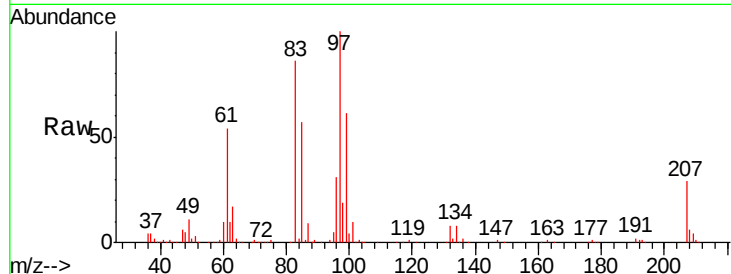




#55
 1,1,2-Trichloroethane
 Concen: 54.747 ug/l
 RT: 10.15 min Scan# 907
 Delta R.T. -0.03 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

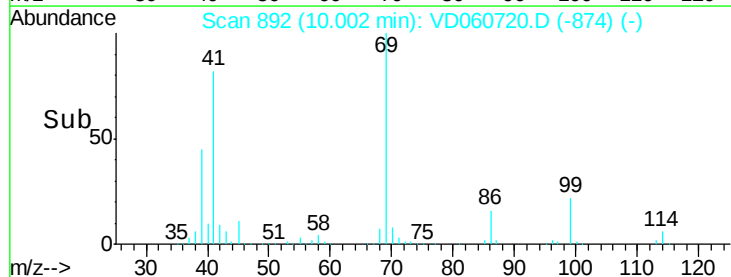
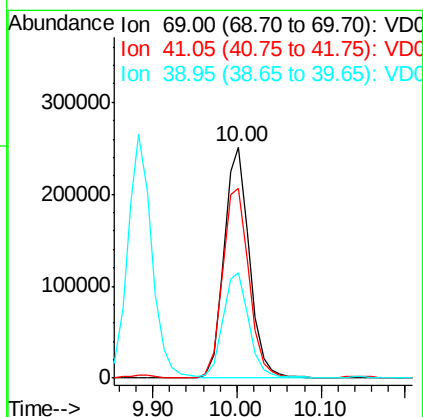
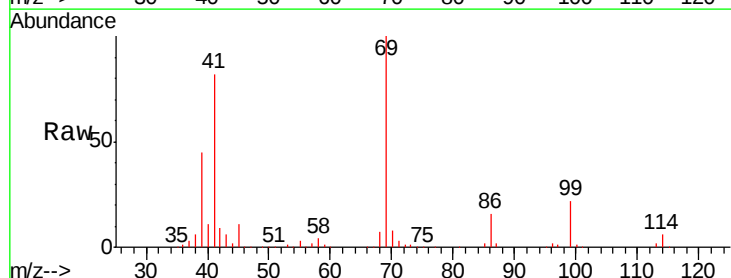
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

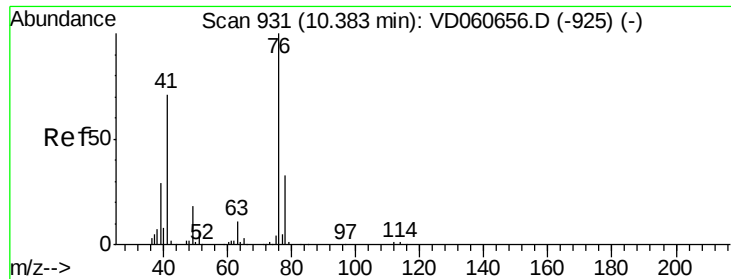
Tgt Ion:	97	Resp:	527969
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.0	105.0
85	57.3	46.6	70.0
99	61.3	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 58.117 ug/l
 RT: 10.00 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion:	69	Resp:	520579
Ion	Ratio	Lower	Upper
69	100		
41	82.5	68.3	102.5
39	45.4	37.2	55.8





#57

1,3-Dichloropropane

Concen: 54.976 ug/l

RT: 10.36 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

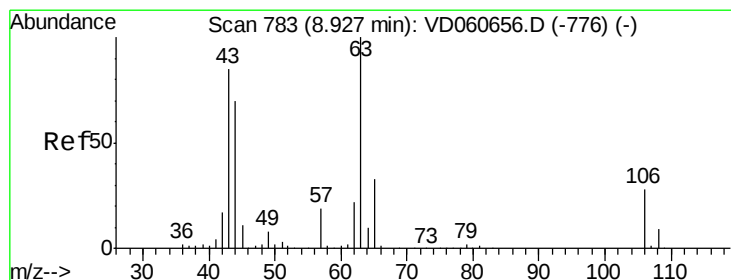
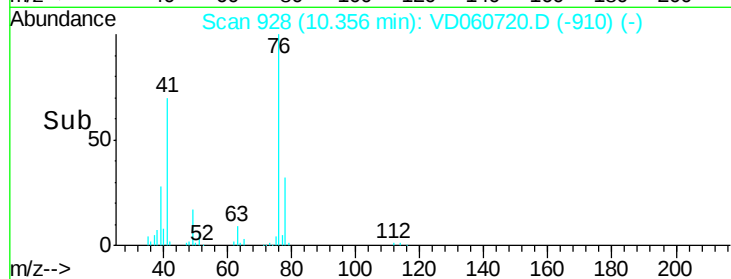
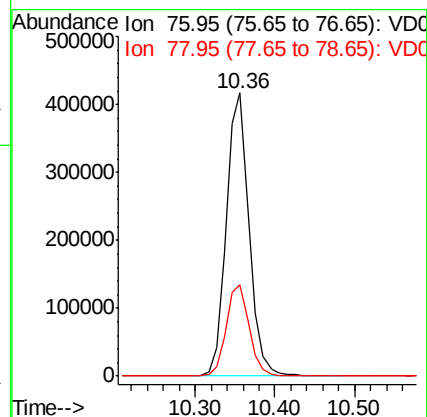
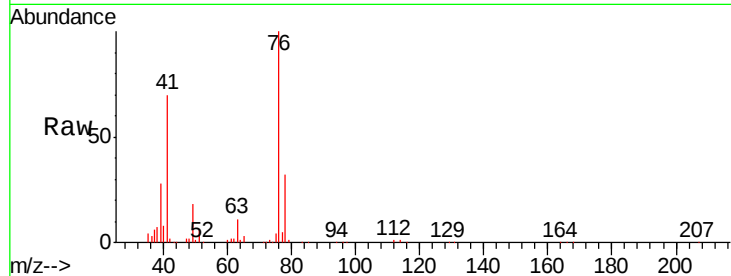
VSTDCCC050

Tgt Ion: 76 Resp: 840362

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 254.493 ug/l

RT: 8.89 min Scan# 779

Delta R.T. -0.04 min

Lab File: VD060720.D

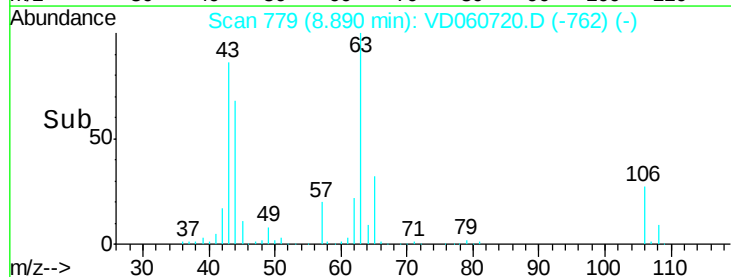
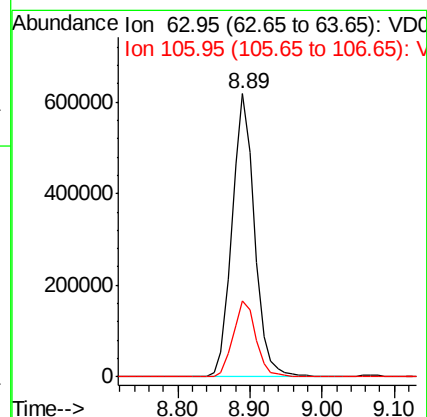
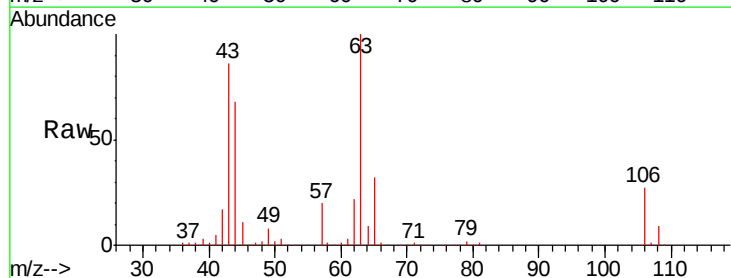
Acq: 27 Dec 2018 11:53

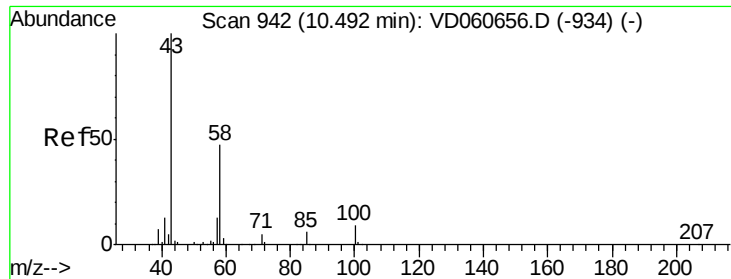
Tgt Ion: 63 Resp: 1343196

Ion Ratio Lower Upper

63 100

106 26.9 22.4 33.6

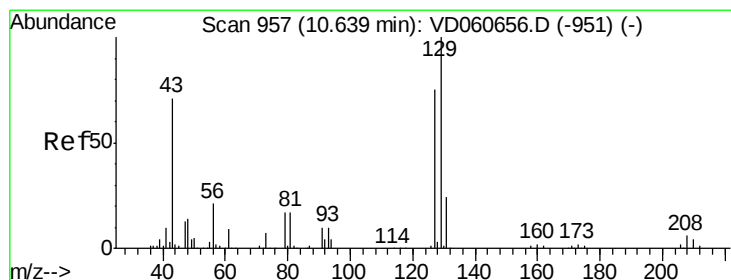
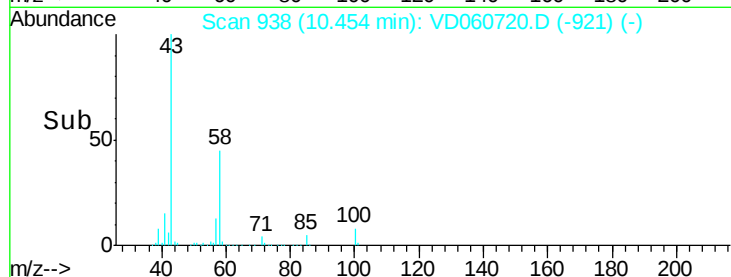
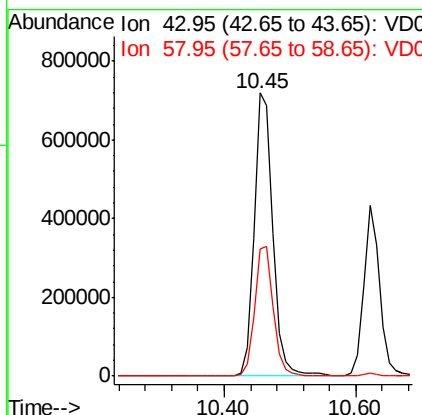
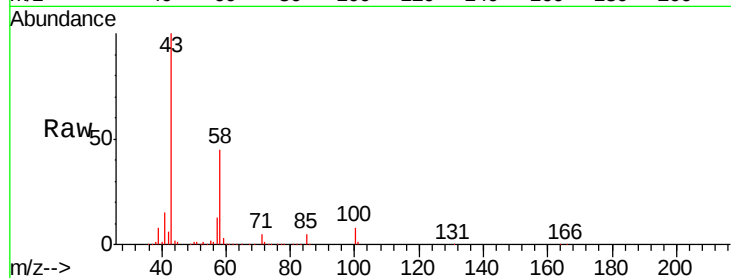




#59
2-Hexanone
Concen: 279.048 ug/l
RT: 10.45 min Scan# 938
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

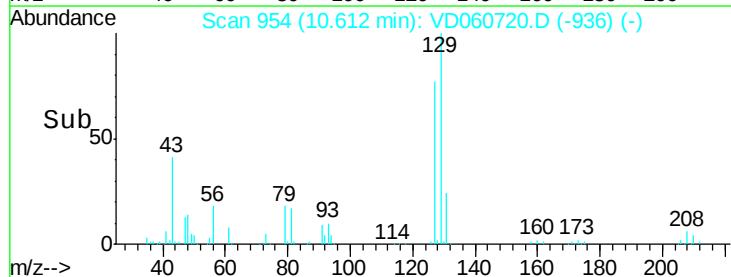
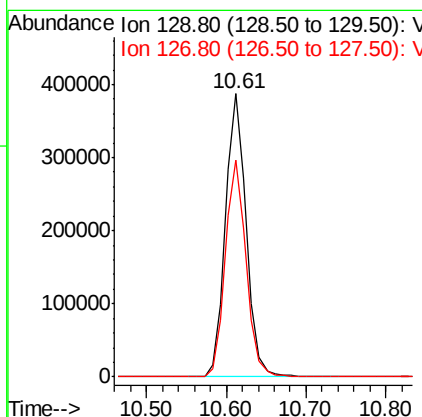
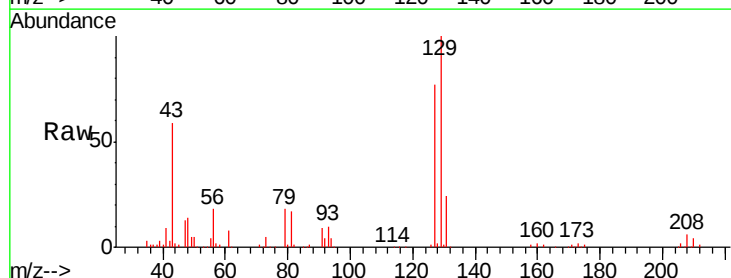
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

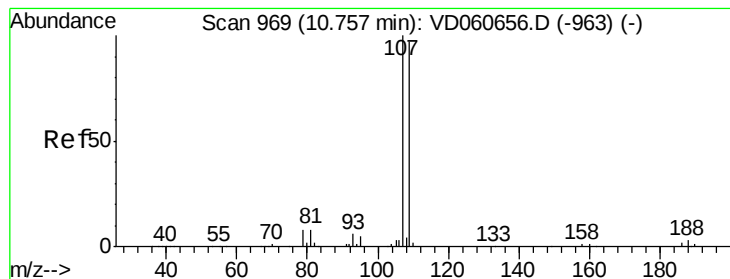
Tgt Ion: 43 Resp: 1421628
Ion Ratio Lower Upper
43 100
58 44.8 23.5 70.5



#60
Dibromochloromethane
Concen: 58.048 ug/l
RT: 10.61 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 129 Resp: 713055
Ion Ratio Lower Upper
129 100
127 76.8 37.6 112.9





#61

1,2-Dibromoethane

Concen: 56.384 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

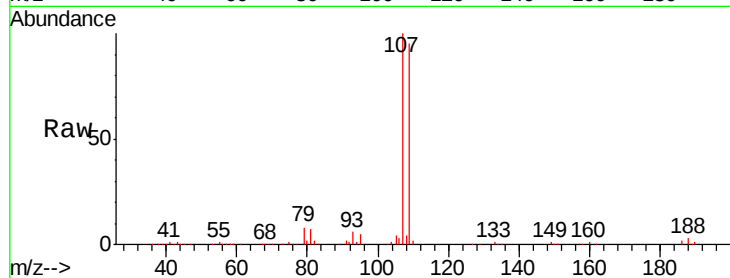
VSTDCCC050

Tgt Ion: 107 Resp: 564003

Ion Ratio Lower Upper

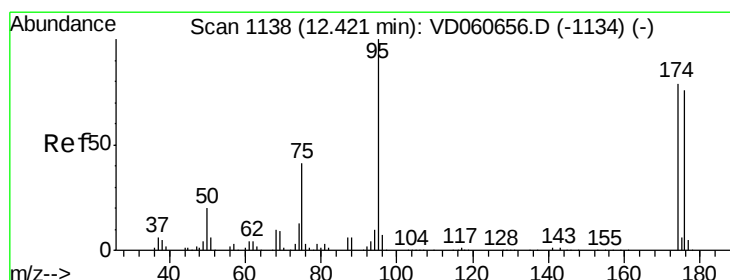
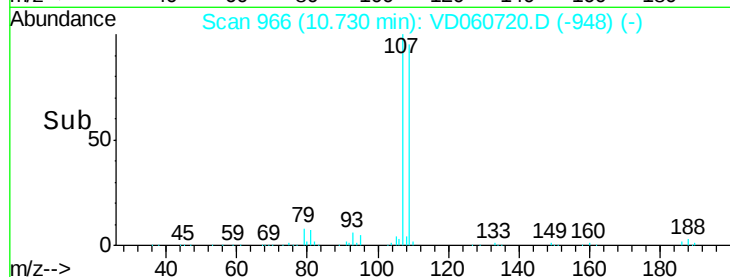
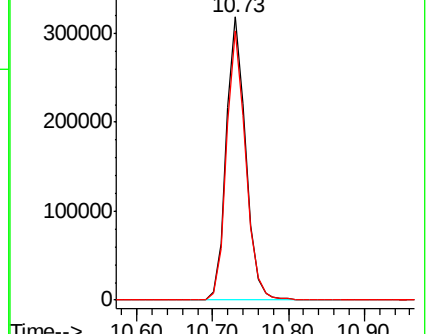
107 100

109 94.9 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 56.384 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

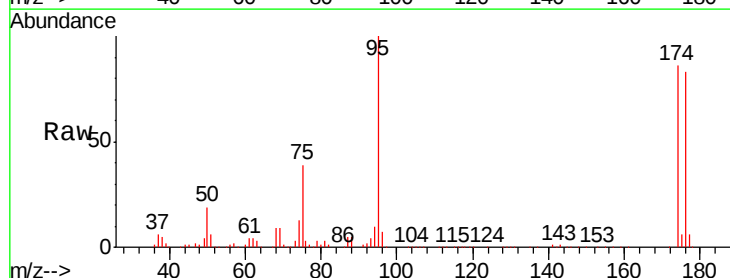
Tgt Ion: 95 Resp: 906632

Ion Ratio Lower Upper

95 100

174 85.8 0.0 158.2

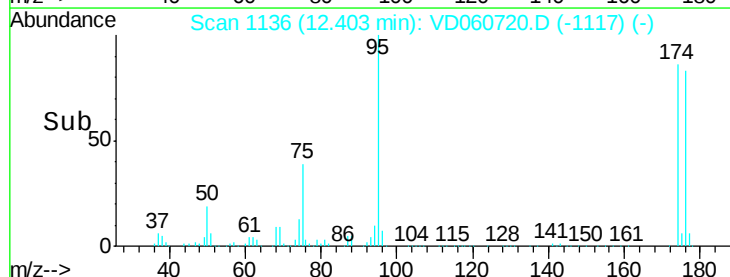
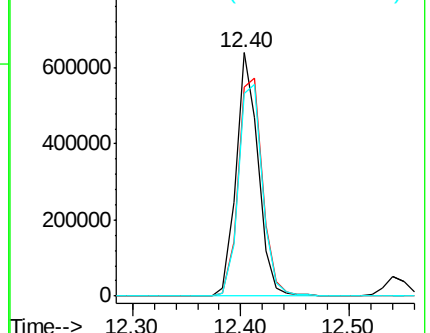
176 83.4 0.0 152.4

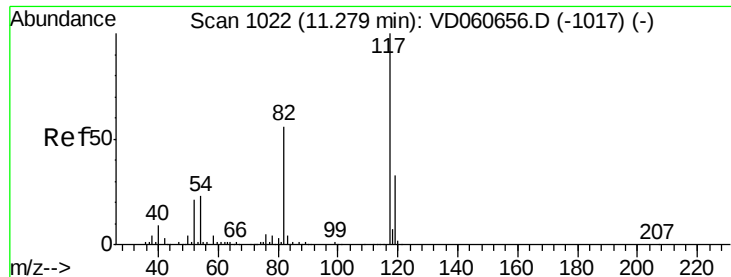


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

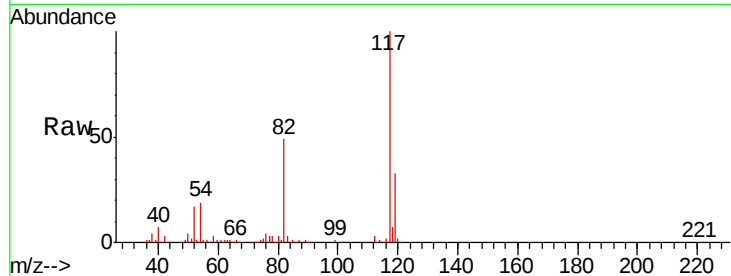




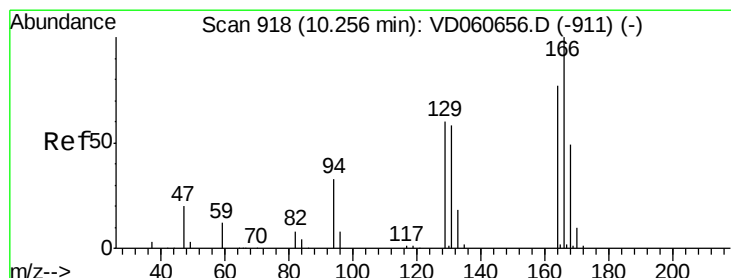
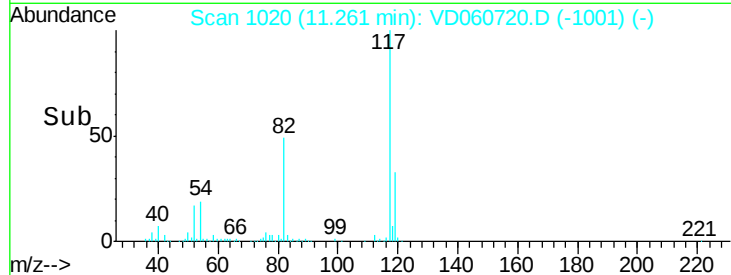
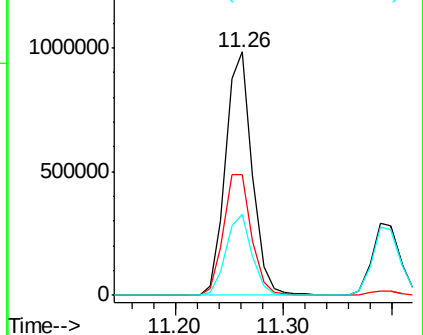
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1678243
Ion Ratio Lower Upper
117 100
82 49.4 44.5 66.7
119 33.3 26.3 39.5

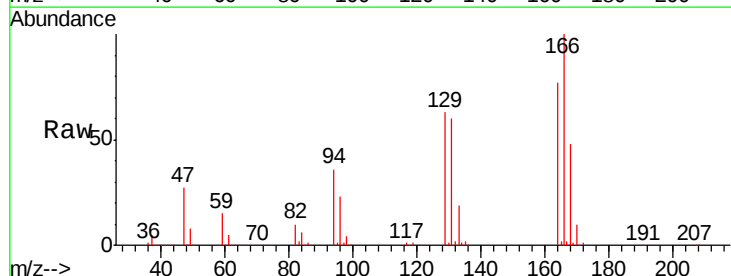


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

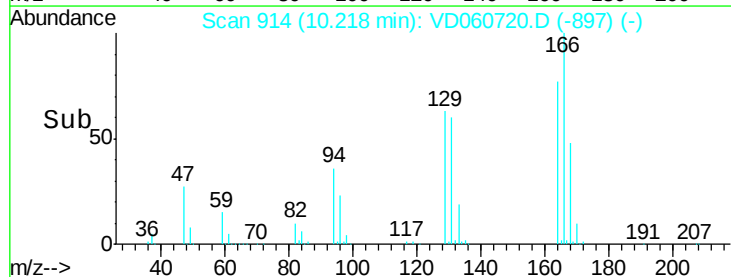
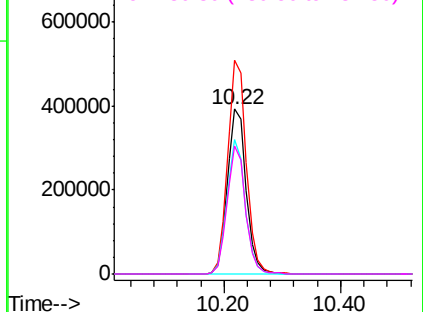


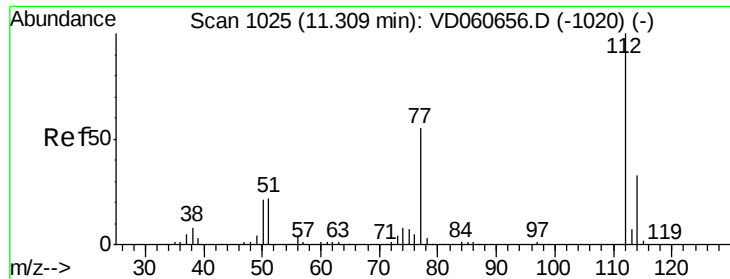
#64
Tetrachloroethene
Concen: 57.843 ug/l
RT: 10.22 min Scan# 914
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion:164 Resp: 879846
Ion Ratio Lower Upper
164 100
166 129.5 104.4 156.6
129 81.5 62.7 94.1
131 77.8 61.1 91.7



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

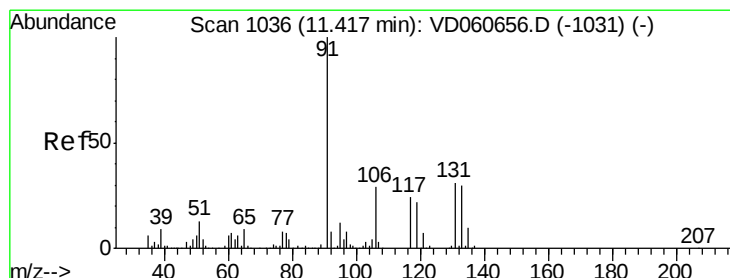
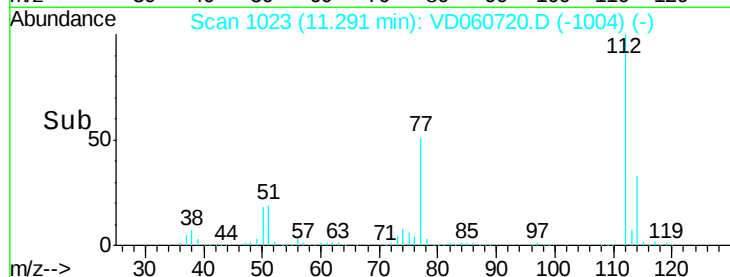
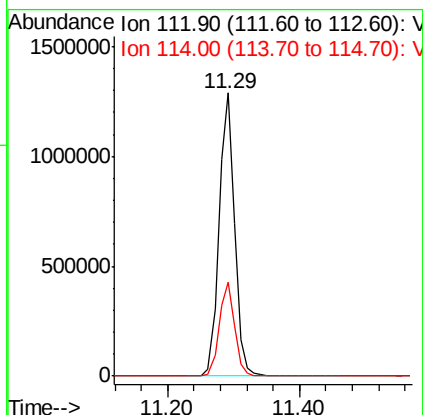
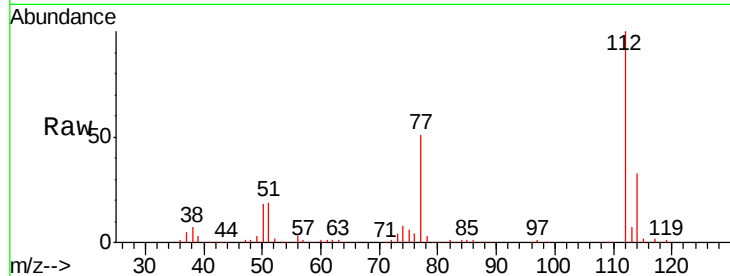




#65
Chlorobenzene
Concen: 56.663 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

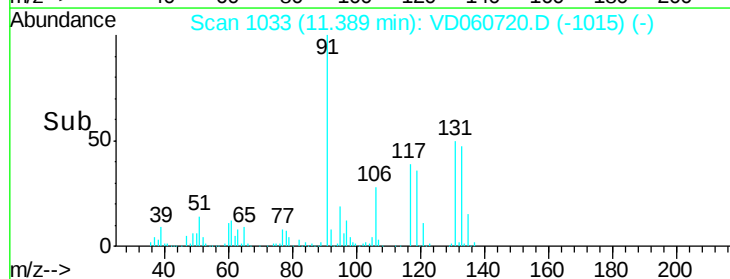
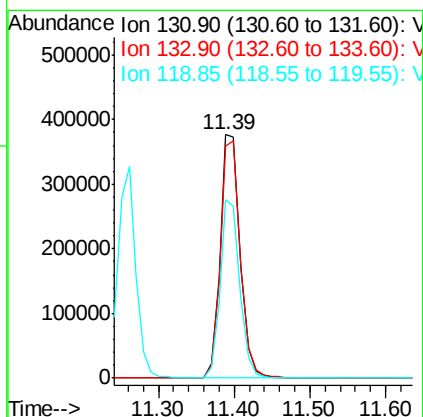
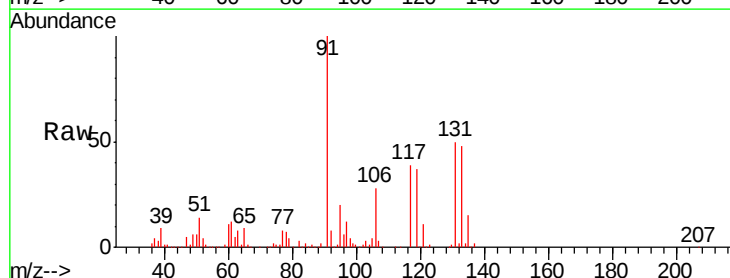
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

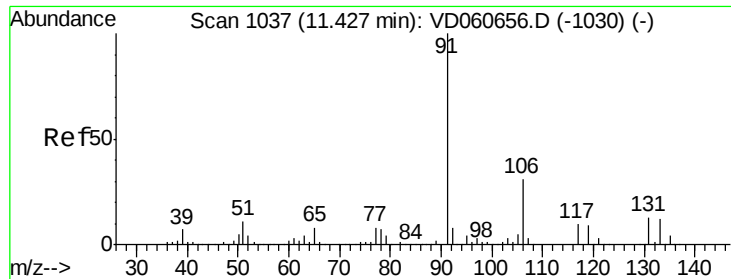
Tgt Ion:112 Resp: 2100975
Ion Ratio Lower Upper
112 100
114 33.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 57.926 ug/l
RT: 11.39 min Scan# 1033
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion:131 Resp: 690580
Ion Ratio Lower Upper
131 100
133 95.4 49.1 147.3
119 73.1 36.6 109.8

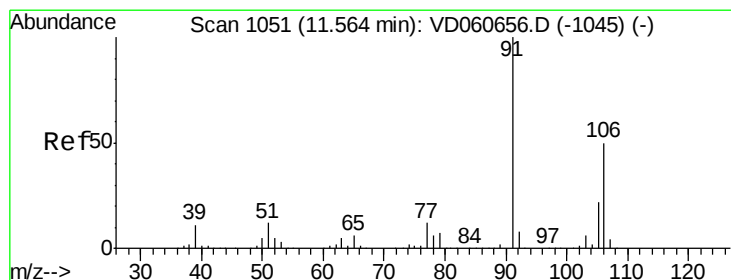
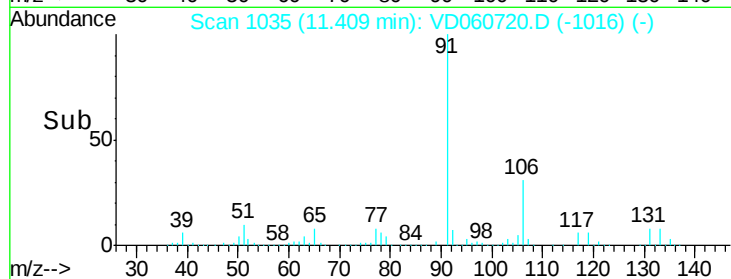
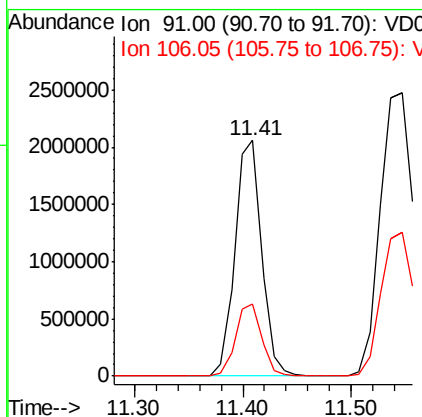
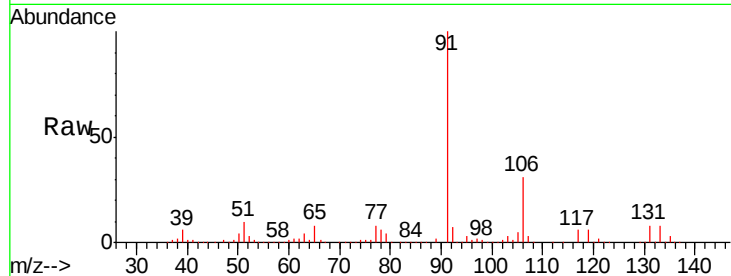




#67
Ethyl Benzene
Concen: 55.437 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

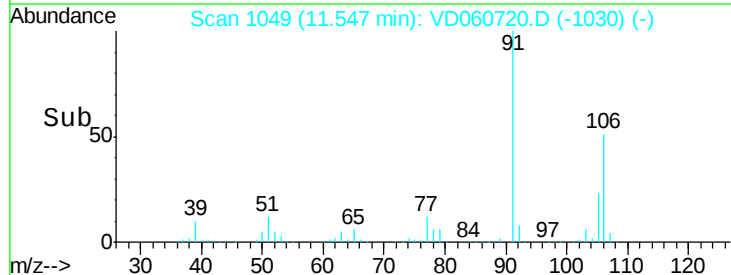
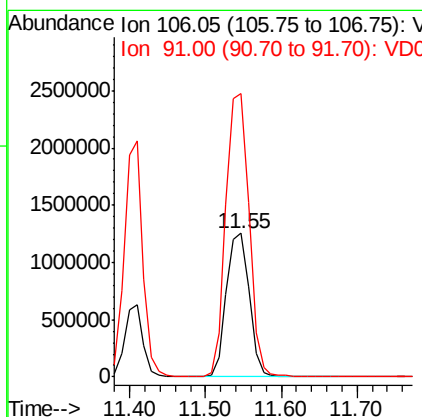
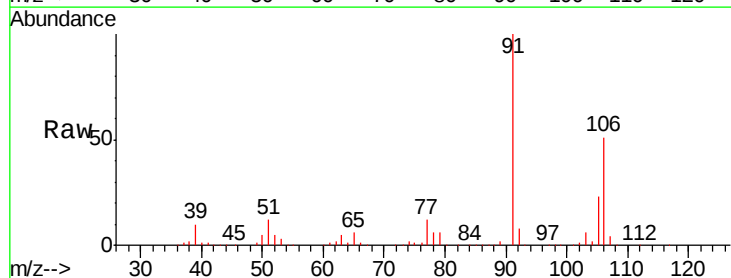
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 3520276
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8



#68
m/p-Xylenes
Concen: 112.351 ug/l
RT: 11.55 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 106 Resp: 2607280
Ion Ratio Lower Upper
106 100
91 197.5 158.9 238.3

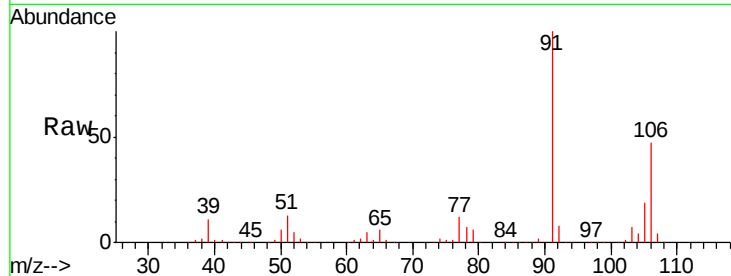




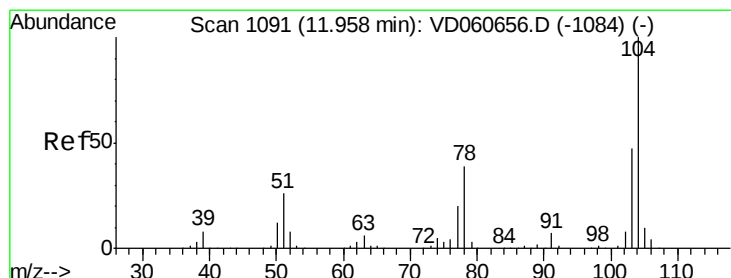
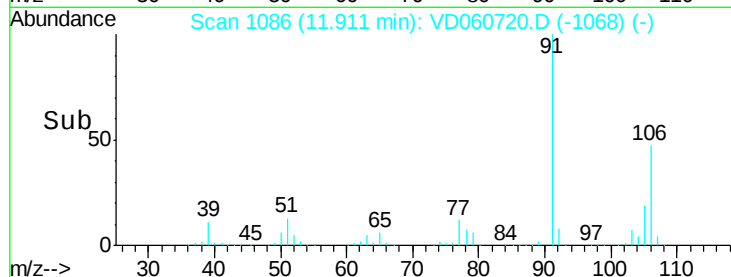
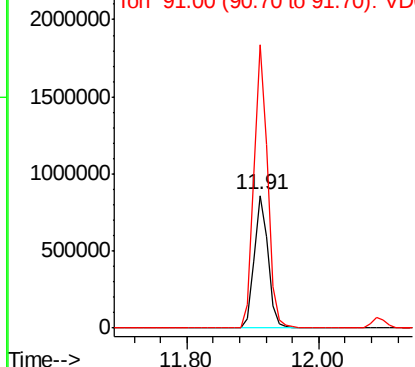
#69
o-Xylene
Concen: 57.389 ug/l
RT: 11.91 min Scan# 1086
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1263510
Ion Ratio Lower Upper
106 100
91 213.9 101.5 304.5

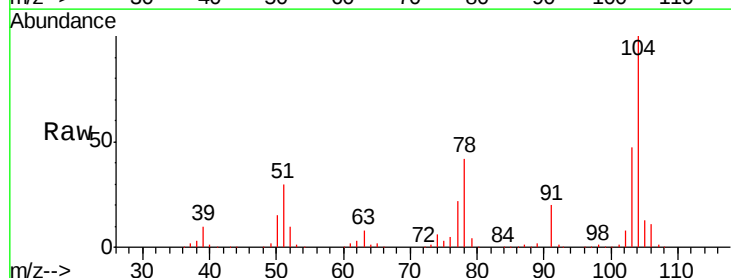


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

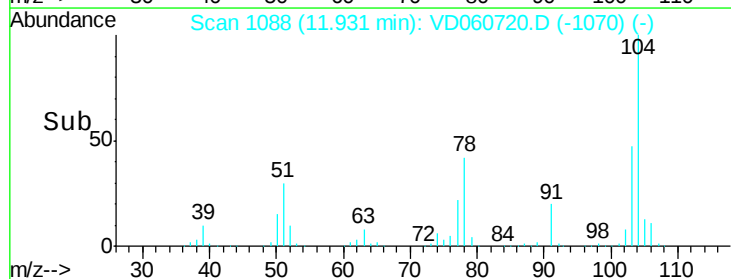
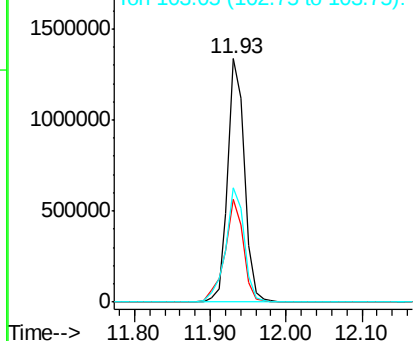


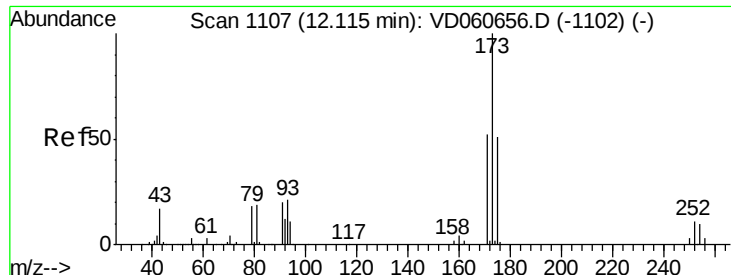
#70
Styrene
Concen: 57.336 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion:104 Resp: 2033108
Ion Ratio Lower Upper
104 100
78 42.1 31.4 47.2
103 47.2 37.5 56.3



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

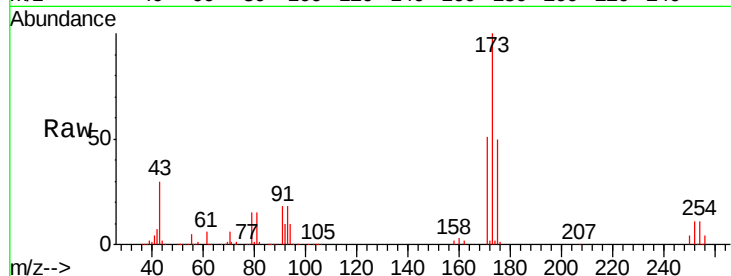




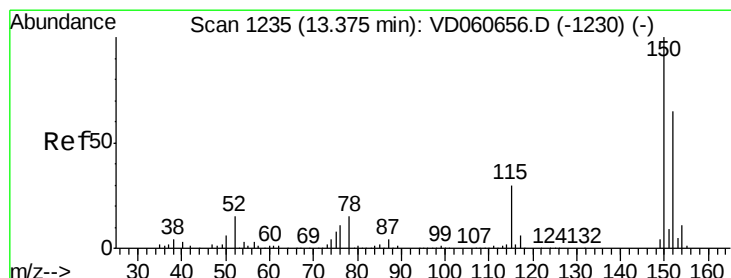
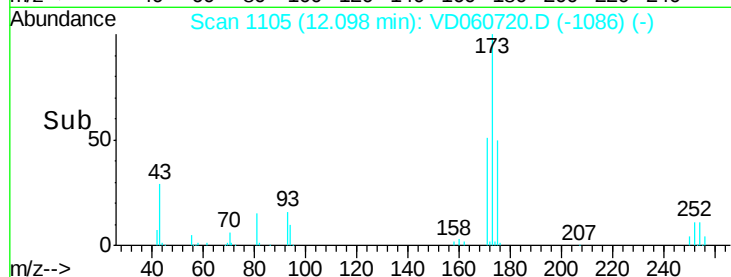
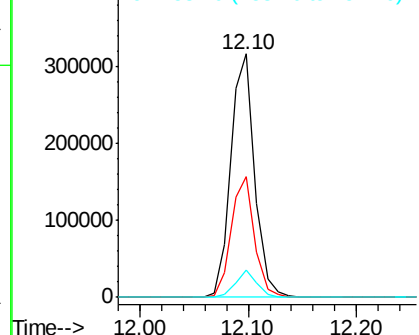
#71
Bromoform
Concen: 61.362 ug/l
RT: 12.10 min Scan# 1105
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 482889
Ion Ratio Lower Upper
173 100
175 49.7 25.5 76.5
254 11.2 7.9 11.9

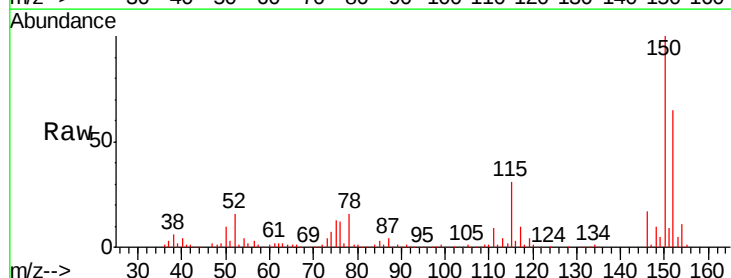


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

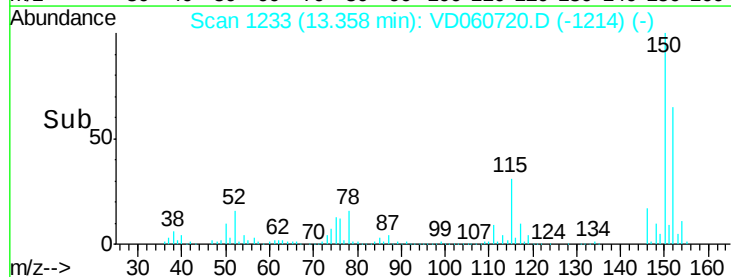
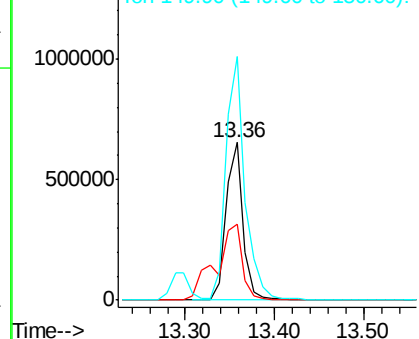


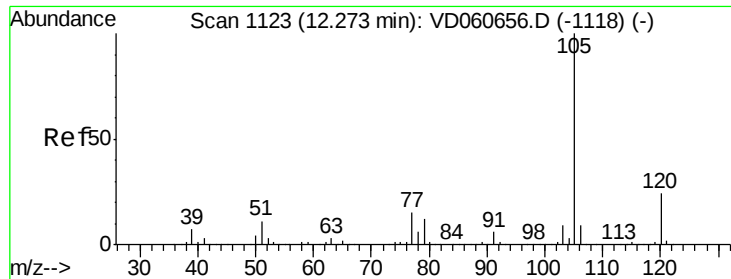
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion:152 Resp: 879963
Ion Ratio Lower Upper
152 100
115 48.4 24.1 72.3
150 154.4 0.0 315.0



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: 57.080 ug/l

RT: 12.26 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

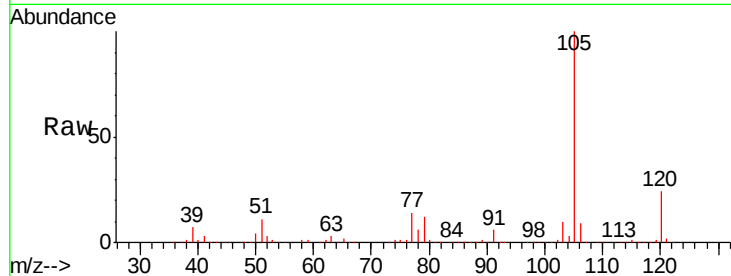
VSTDCCC050

Tgt Ion:105 Resp: 3576189

Ion Ratio Lower Upper

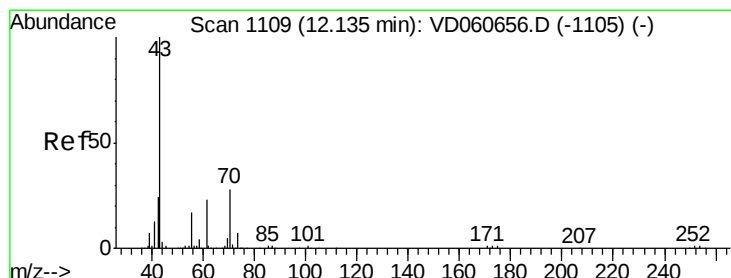
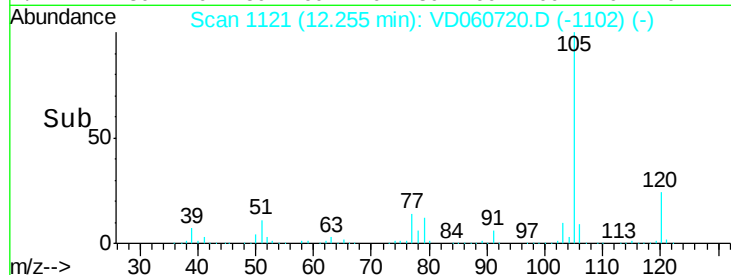
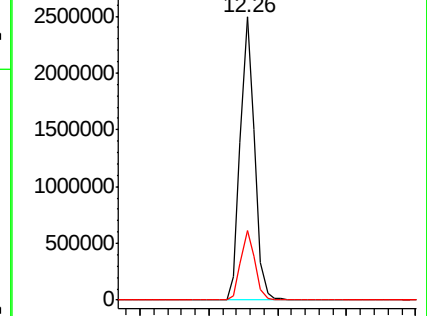
105 100

120 24.5 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.601 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Tgt Ion: 43 Resp: 866513

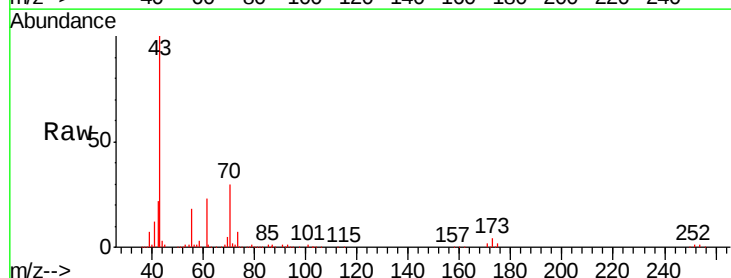
Ion Ratio Lower Upper

43 100

70 29.9 22.2 33.2

55 17.7 13.8 20.8

61 23.4 18.2 27.2

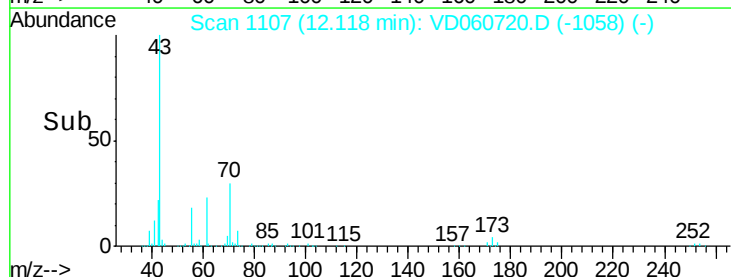
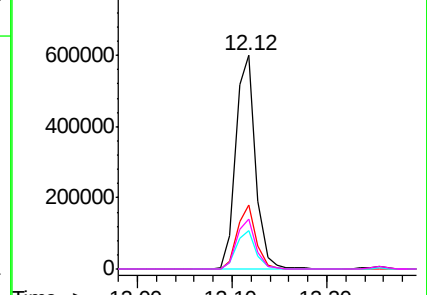


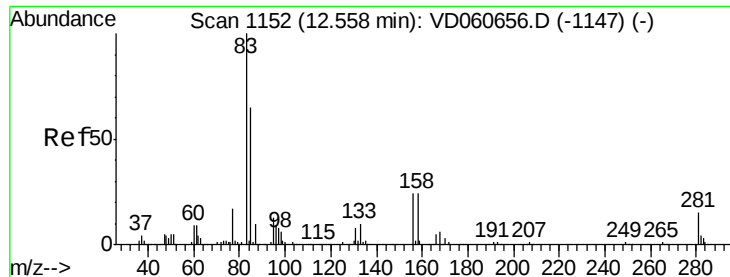
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 56.407 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

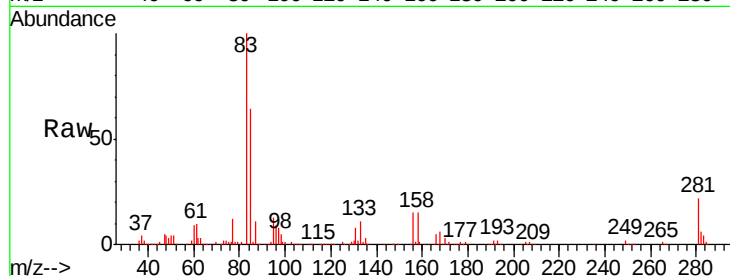
Tgt Ion: 83 Resp: 572823

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.4

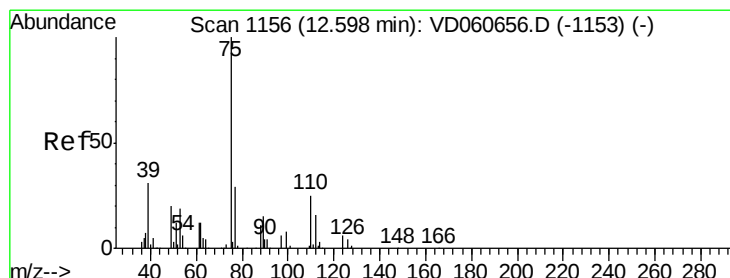
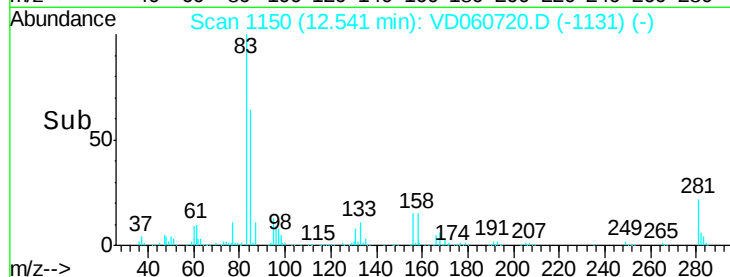
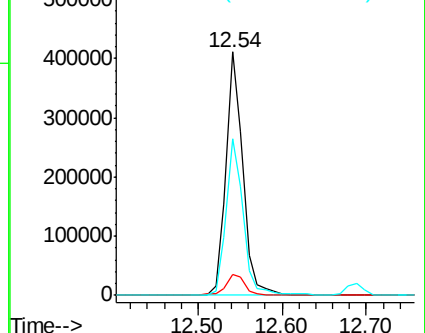
85 64.3 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 57.041 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VD060720.D

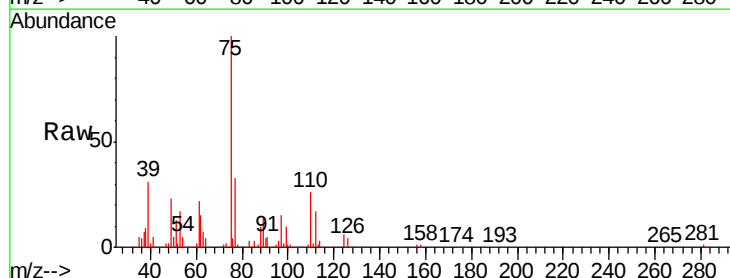
Acq: 27 Dec 2018 11:53

Tgt Ion: 75 Resp: 571453

Ion Ratio Lower Upper

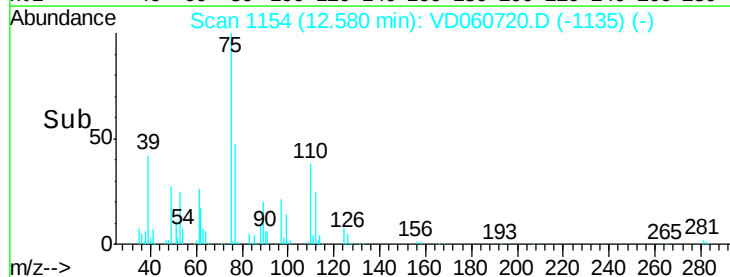
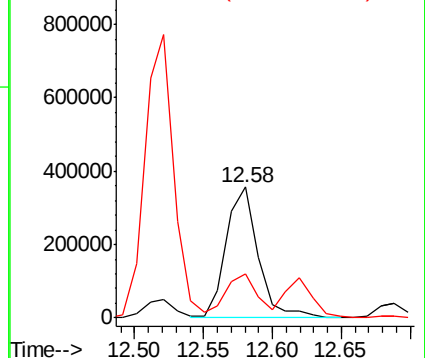
75 100

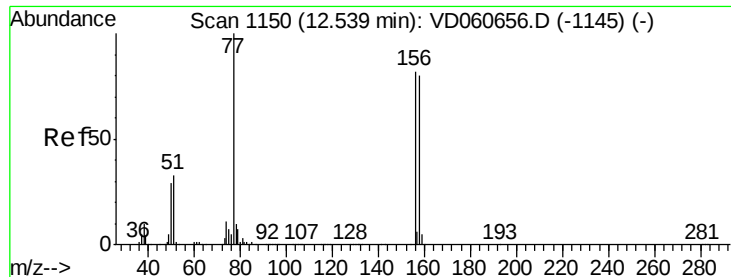
77 33.2 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.461 ug/l

RT: 12.52 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

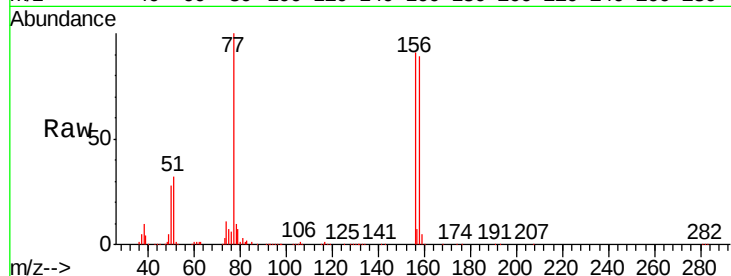
Tgt Ion:156 Resp: 950459

Ion Ratio Lower Upper

156 100

77 110.2 61.3 183.9

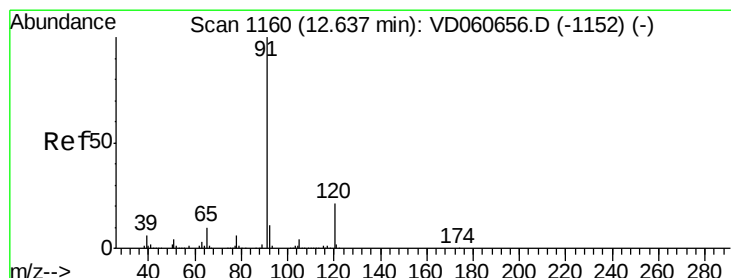
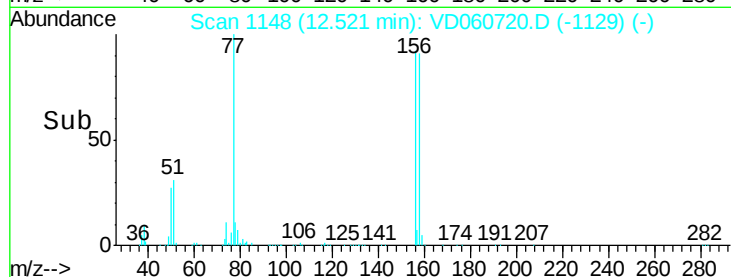
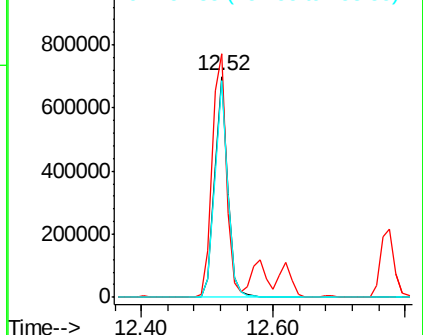
158 98.3 48.9 146.6



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: 55.090 ug/l

RT: 12.62 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VD060720.D

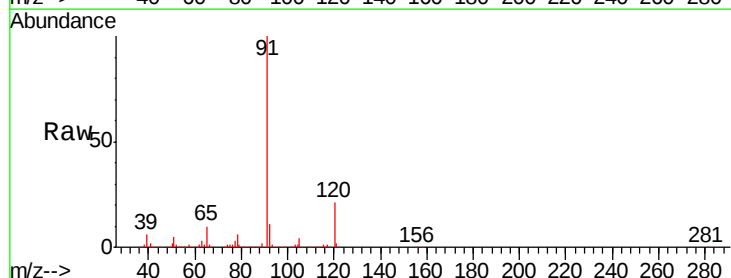
Acq: 27 Dec 2018 11:53

Tgt Ion: 91 Resp: 4412561

Ion Ratio Lower Upper

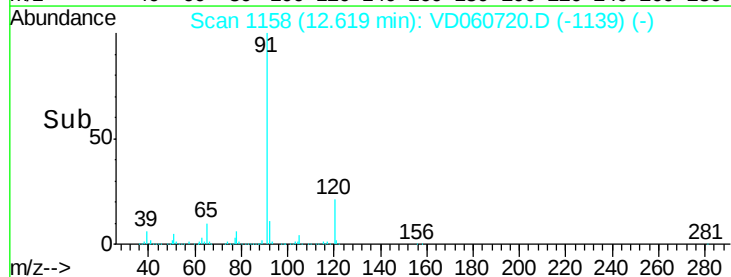
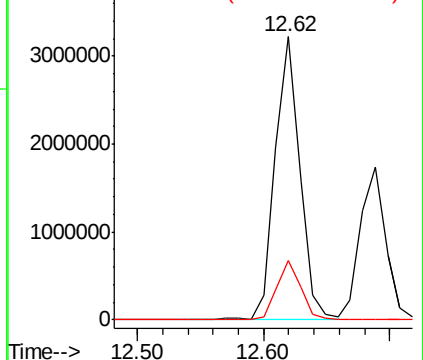
91 100

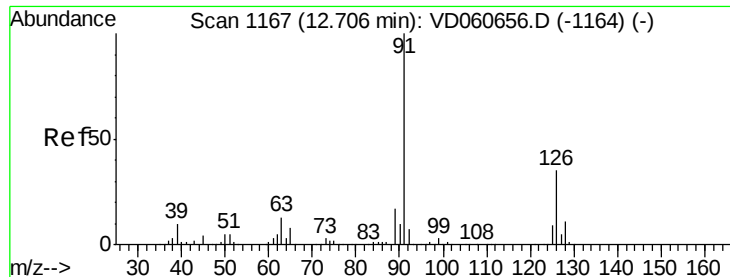
120 21.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

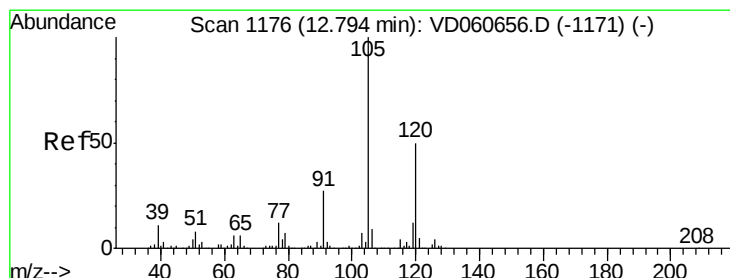
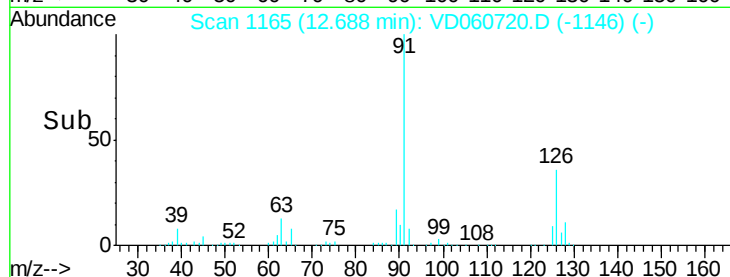
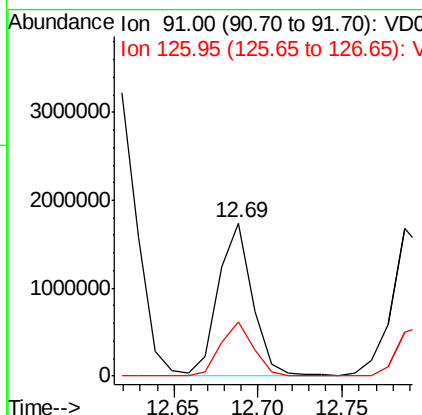
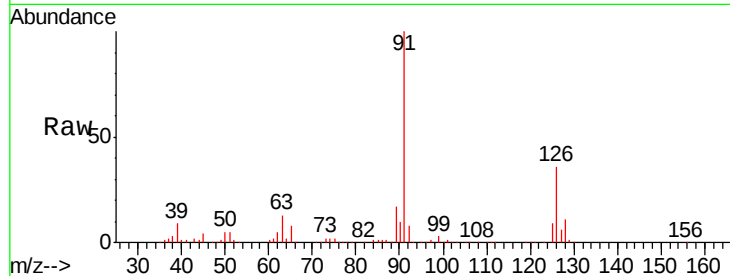




#79
2-Chlorotoluene
Concen: 56.652 ug/l
RT: 12.69 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

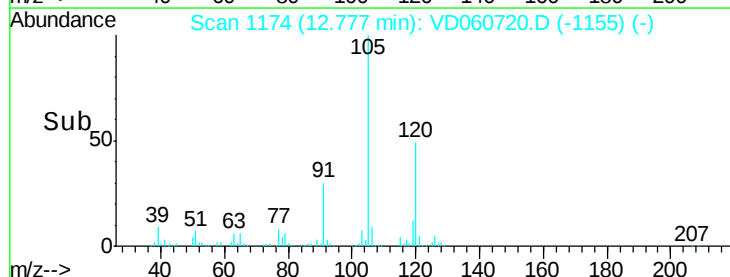
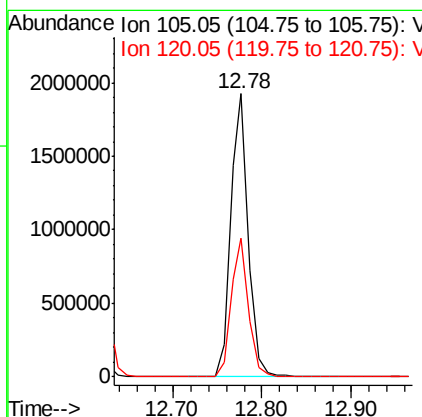
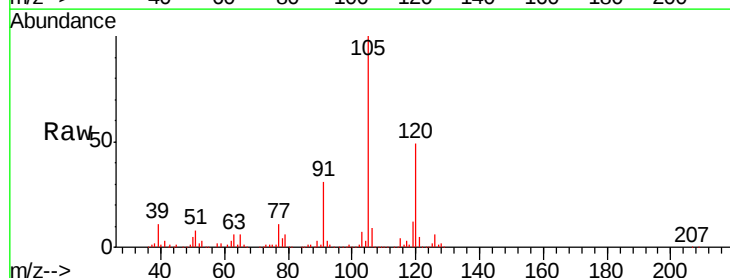
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

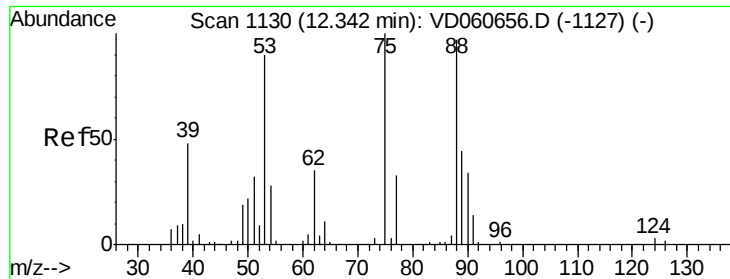
Tgt Ion: 91 Resp: 2430391
Ion Ratio Lower Upper
91 100
126 35.7 17.2 51.5



#80
1,3,5-Trimethylbenzene
Concen: 54.839 ug/l
RT: 12.78 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 105 Resp: 2653097
Ion Ratio Lower Upper
105 100
120 48.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 60.986 ug/l

RT: 12.32 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

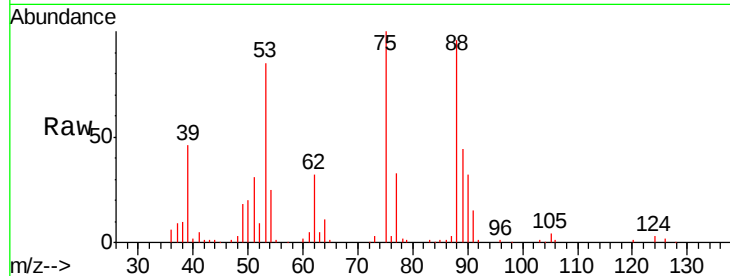
Tgt Ion: 75 Resp: 168827

Ion Ratio Lower Upper

75 100

53 85.0 72.1 108.1

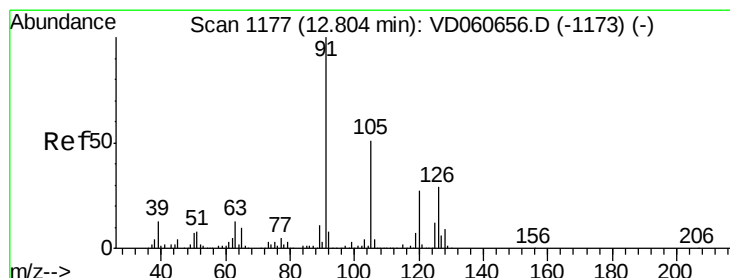
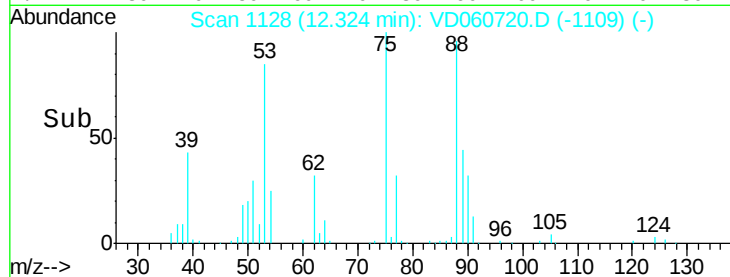
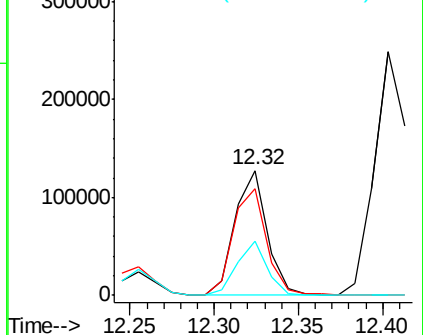
89 43.6 35.1 52.7



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: 53.784 ug/l

RT: 12.79 min Scan# 1175

Delta R.T. -0.02 min

Lab File: VD060720.D

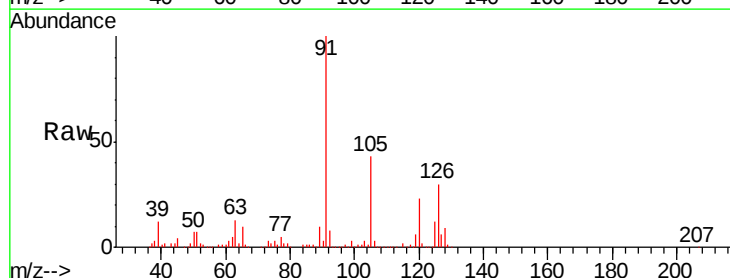
Acq: 27 Dec 2018 11:53

Tgt Ion: 91 Resp: 2615258

Ion Ratio Lower Upper

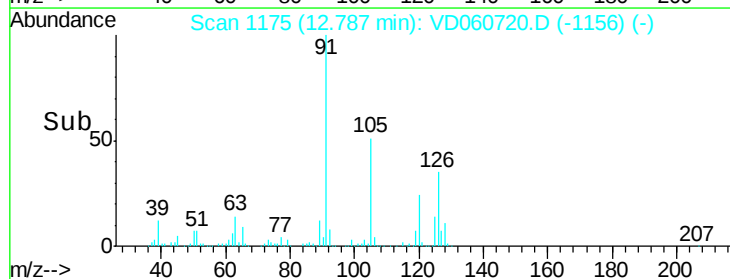
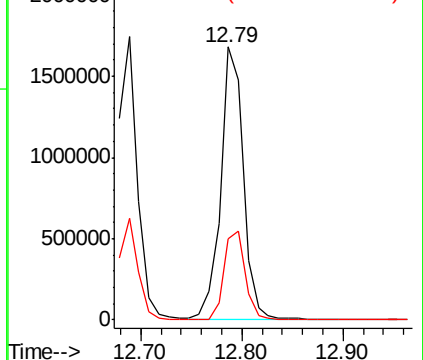
91 100

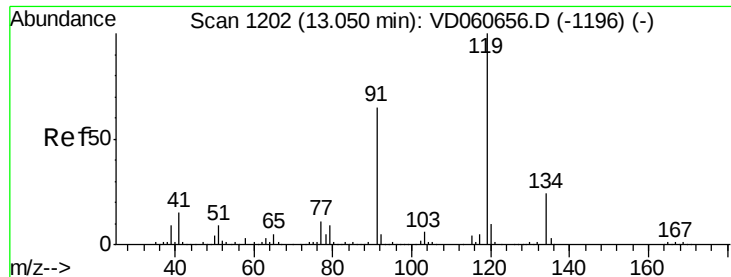
126 29.6 14.6 43.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 54.972 ug/l

RT: 13.03 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

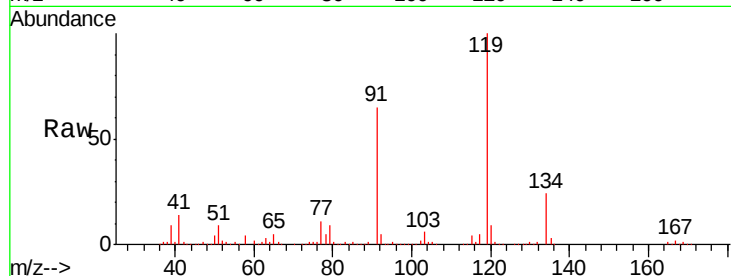
Tgt Ion:119 Resp: 3026655

Ion Ratio Lower Upper

119 100

91 65.0 32.5 97.4

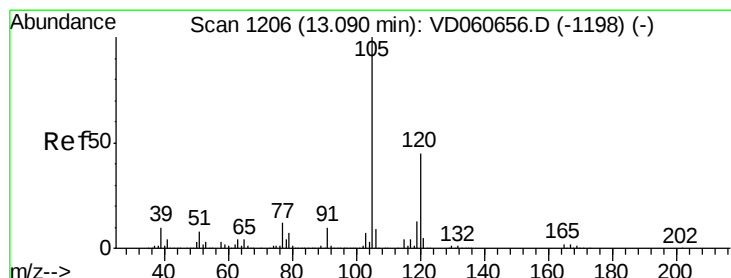
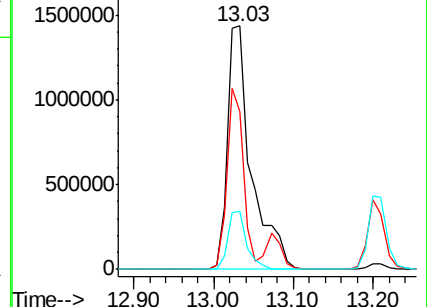
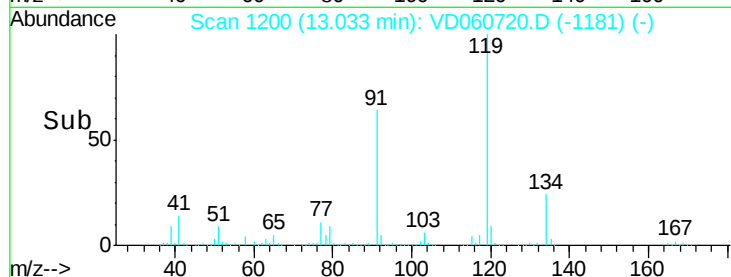
134 23.8 11.9 35.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.157 ug/l

RT: 13.07 min Scan# 1204

Delta R.T. -0.02 min

Lab File: VD060720.D

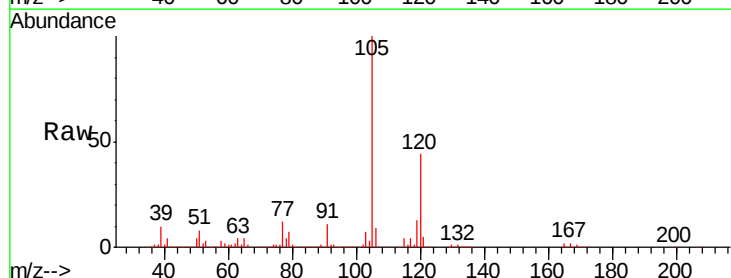
Acq: 27 Dec 2018 11:53

Tgt Ion:105 Resp: 2748356

Ion Ratio Lower Upper

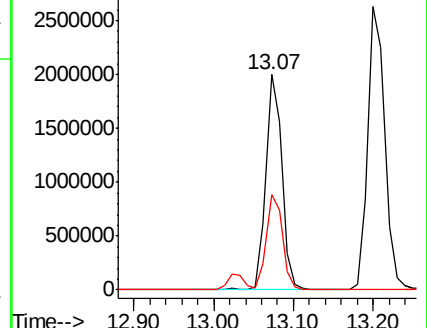
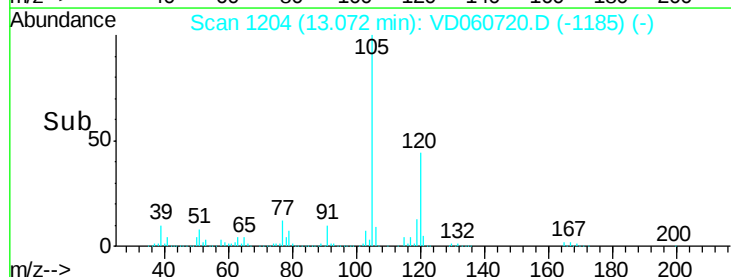
105 100

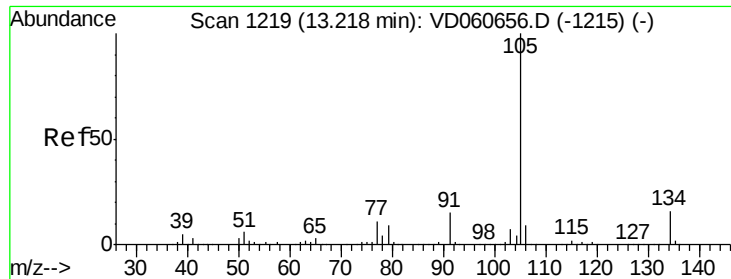
120 44.3 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

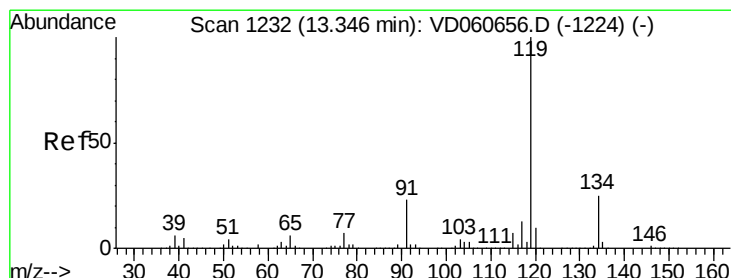
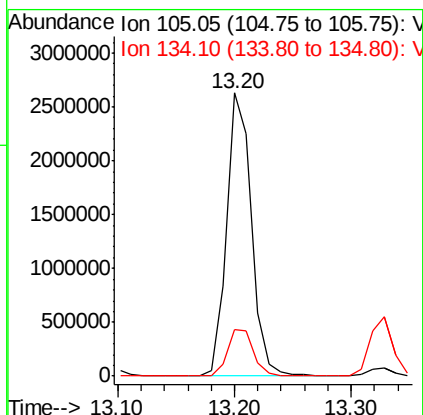
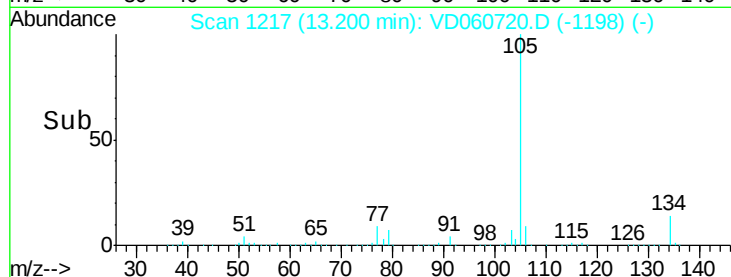
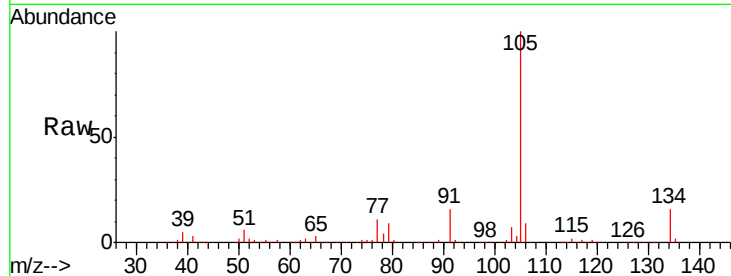




#85
 sec-Butylbenzene
 Concen: 57.385 ug/l
 RT: 13.20 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

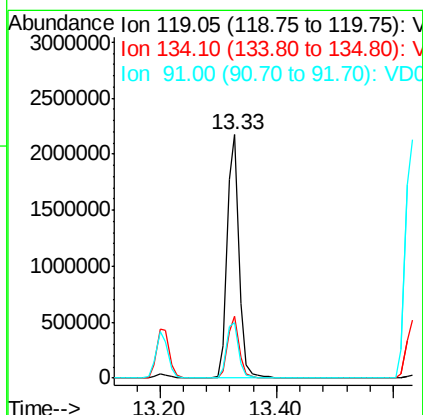
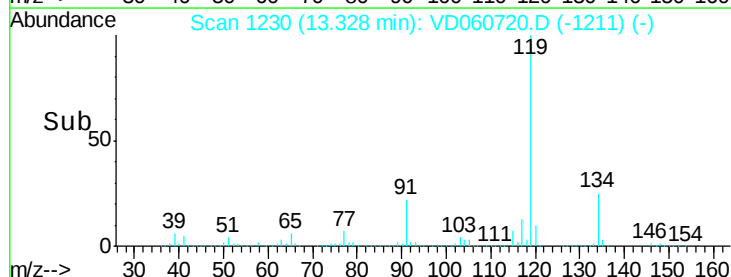
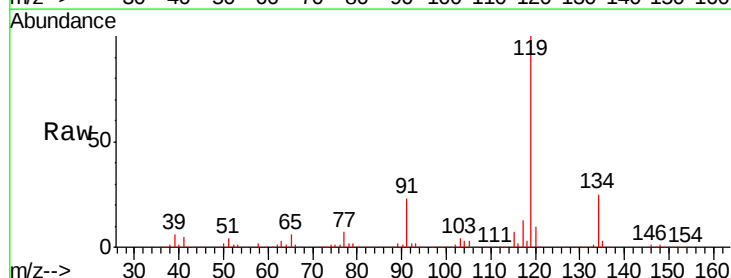
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

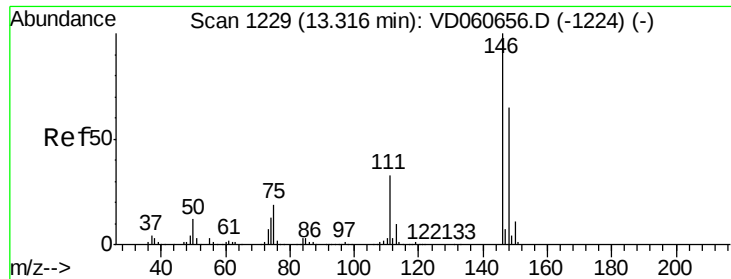
Tgt Ion:105 Resp: 3853172
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 56.076 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion:119 Resp: 3039368
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.5 37.5
 91 22.6 11.4 34.2

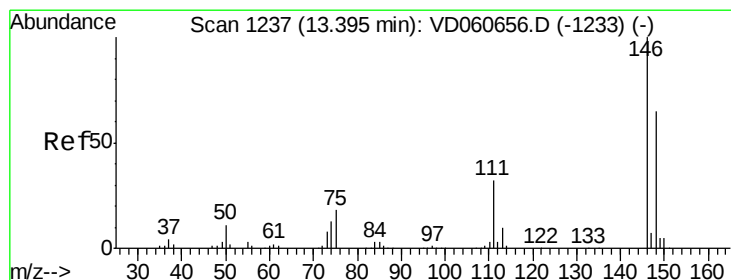
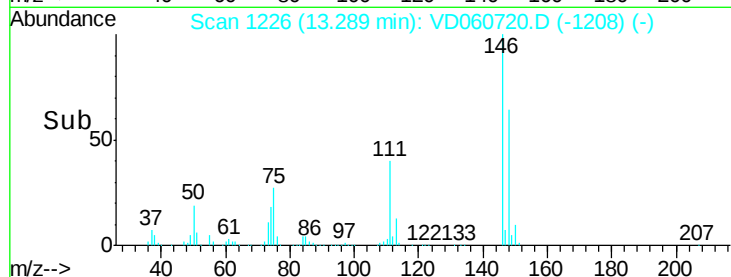
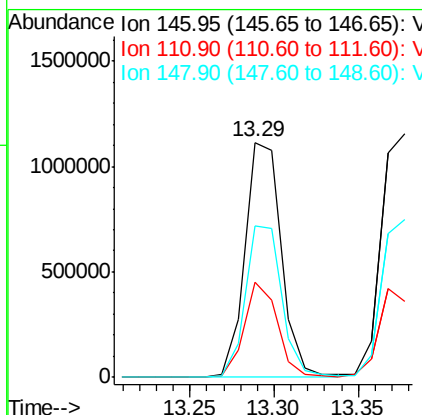
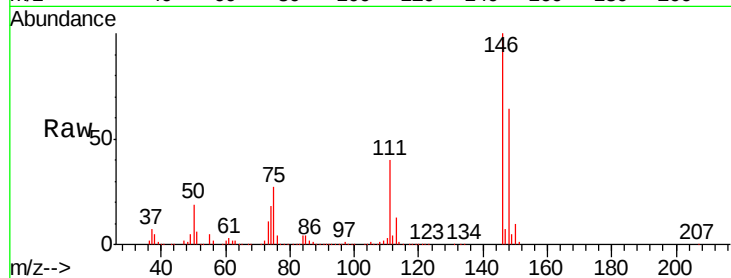




#87
 1,3-Dichlorobenzene
 Concen: 55.035 ug/l
 RT: 13.29 min Scan# 1226
 Delta R.T. -0.03 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

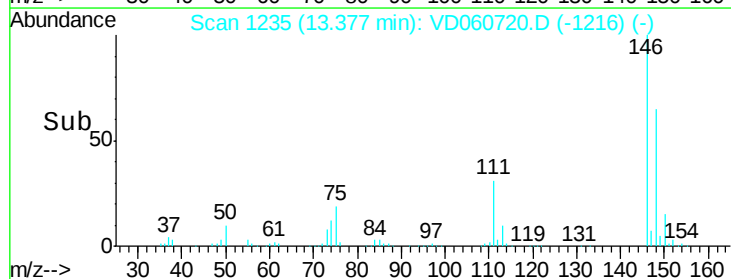
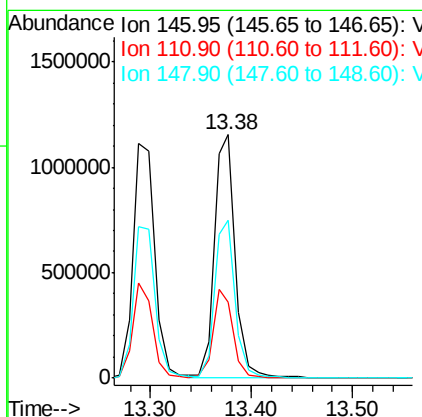
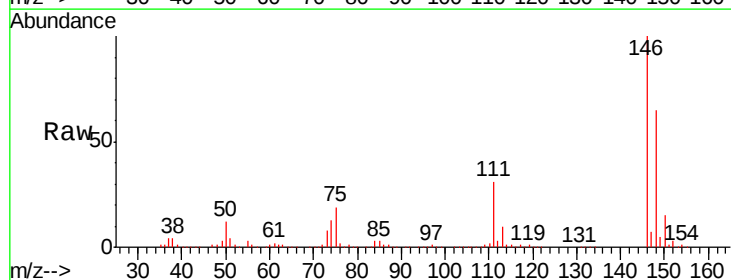
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

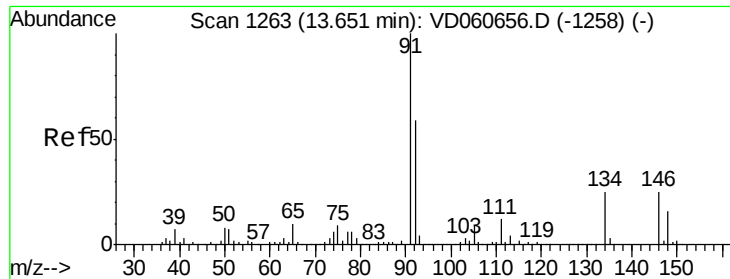
Tgt Ion:146 Resp: 1671137
 Ion Ratio Lower Upper
 146 100
 111 40.4 16.6 49.8
 148 64.3 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 55.500 ug/l
 RT: 13.38 min Scan# 1235
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion:146 Resp: 1660640
 Ion Ratio Lower Upper
 146 100
 111 31.4 16.2 48.5
 148 65.0 32.7 98.1

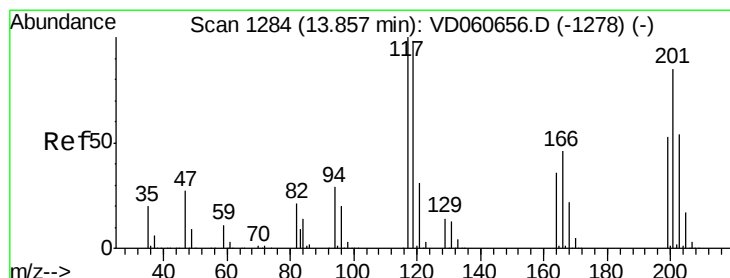
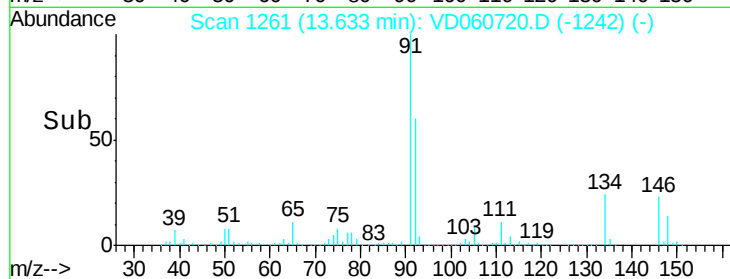
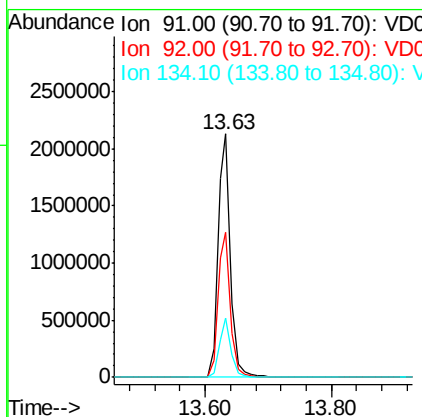
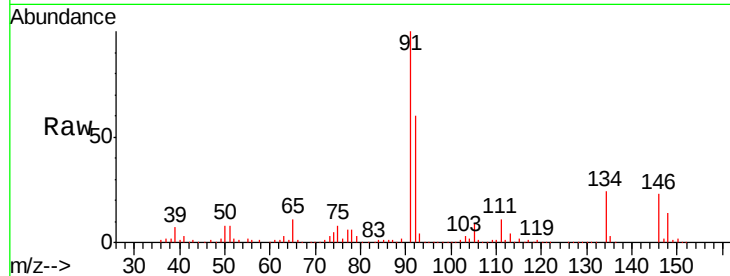




#89
n-Butylbenzene
Concen: 53.172 ug/l
RT: 13.63 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

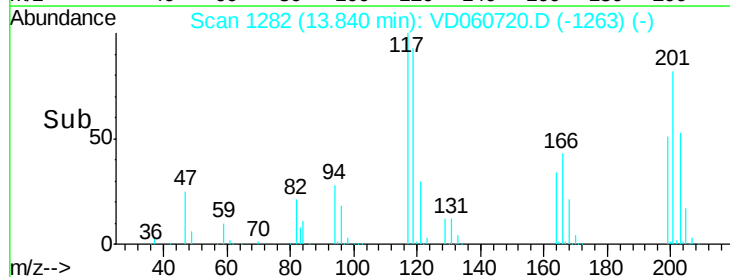
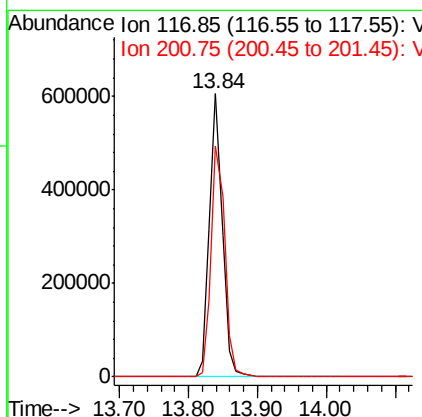
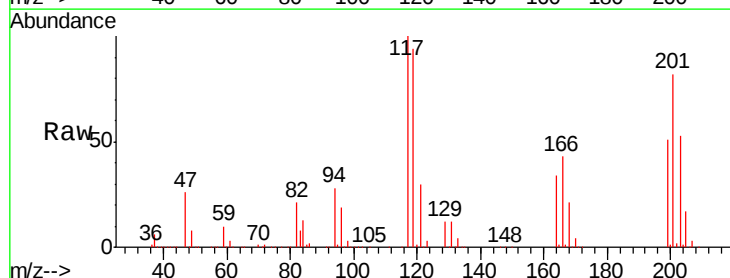
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

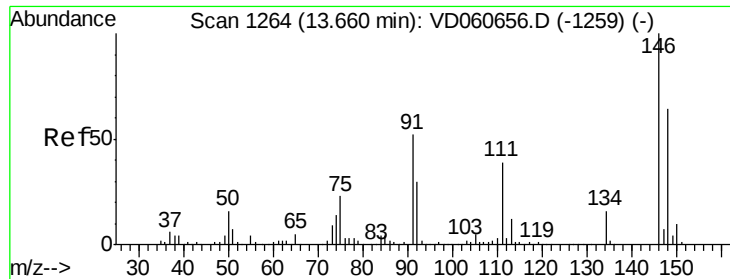
Tgt Ion: 91 Resp: 2945087
Ion Ratio Lower Upper
91 100
92 59.8 29.7 89.1
134 24.5 12.7 38.1



#90
Hexachloroethane
Concen: 59.746 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 117 Resp: 795537
Ion Ratio Lower Upper
117 100
201 81.5 42.6 127.8





#91

1,2-Dichlorobenzene

Concen: 52.226 ug/l

RT: 13.64 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

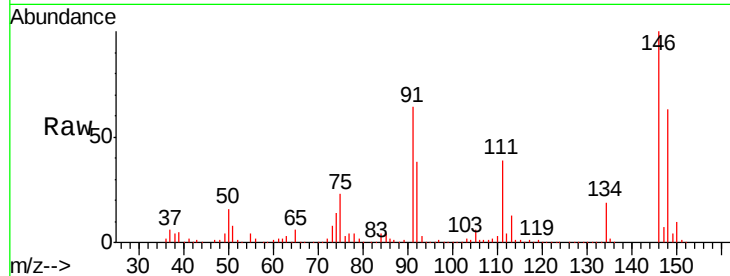
Tgt Ion:146 Resp: 1272110

Ion Ratio Lower Upper

146 100

111 39.5 19.3 57.9

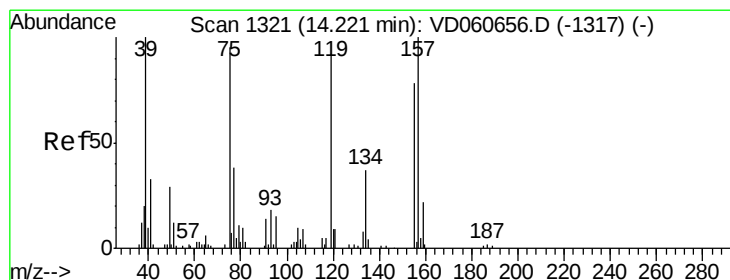
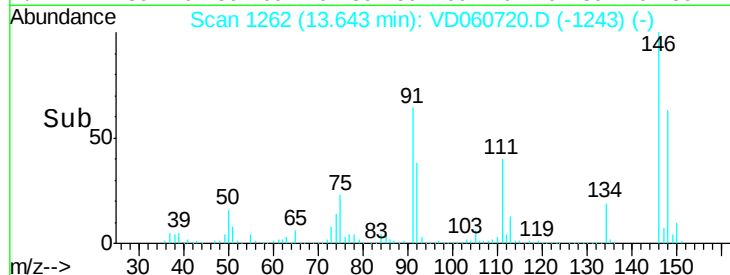
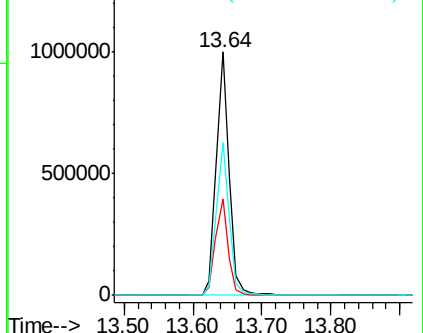
148 63.0 31.9 95.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.467 ug/l

RT: 14.21 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

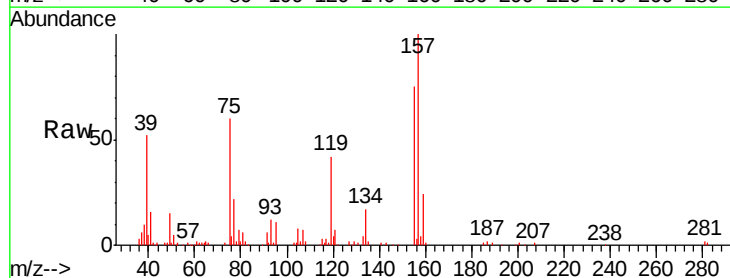
Tgt Ion: 75 Resp: 72140

Ion Ratio Lower Upper

75 100

155 125.8 41.1 123.4#

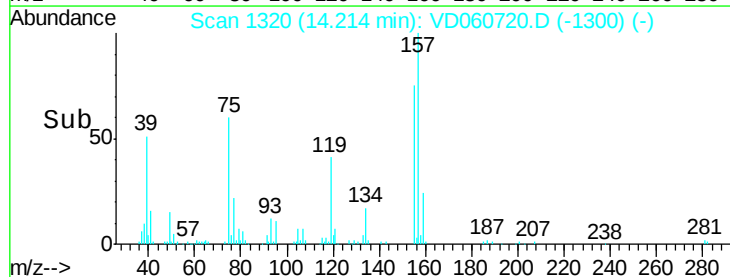
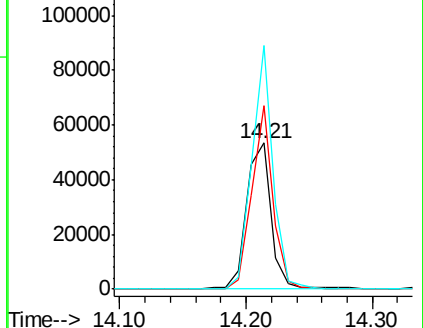
157 166.8 52.5 157.6#

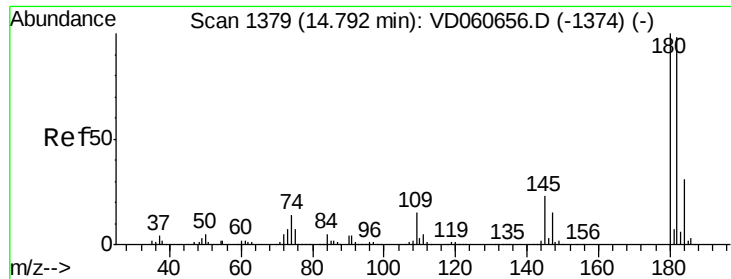


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

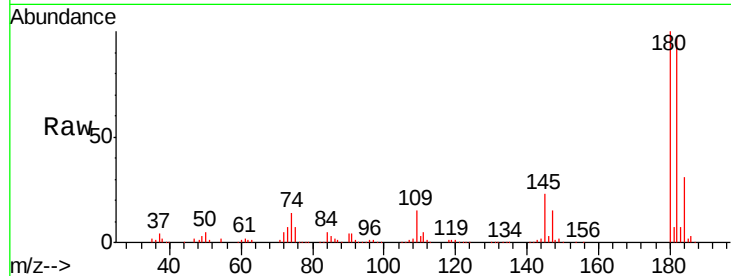




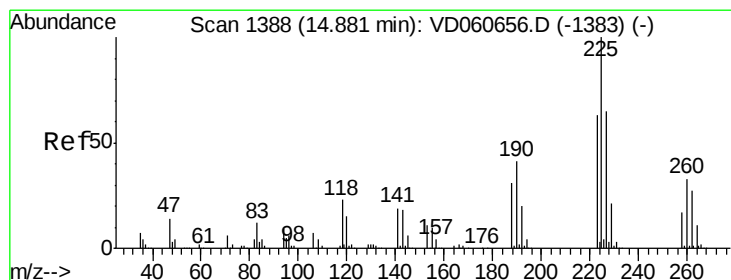
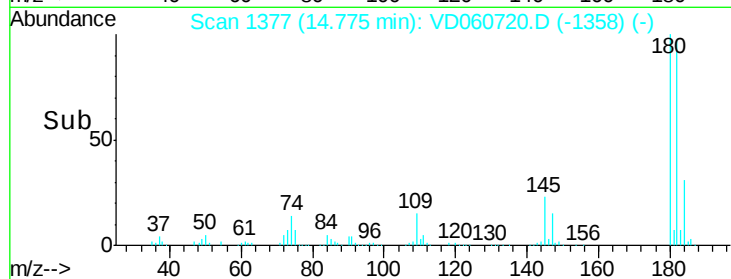
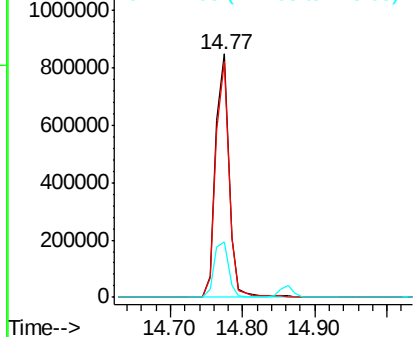
#93
 1,2,4-Trichlorobenzene
 Concen: 56.071 ug/l
 RT: 14.77 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 1086763
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.8 146.4
 145 22.8 11.8 35.3

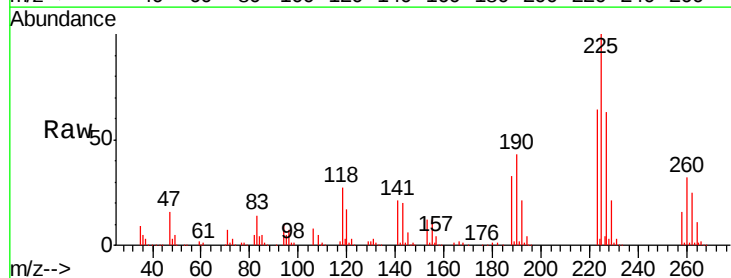


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

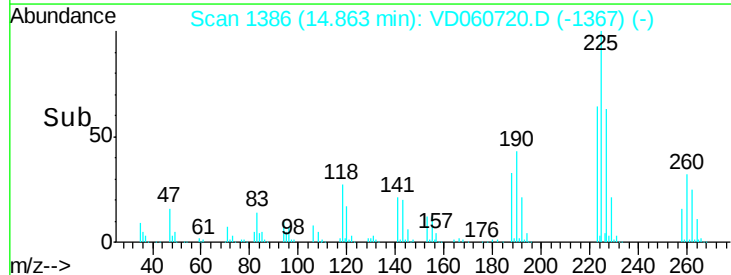
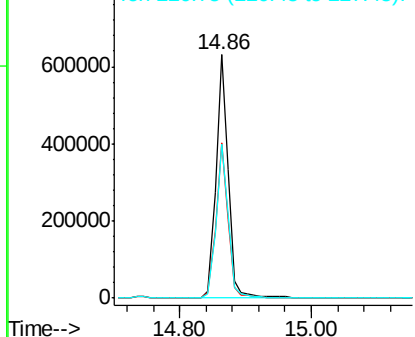


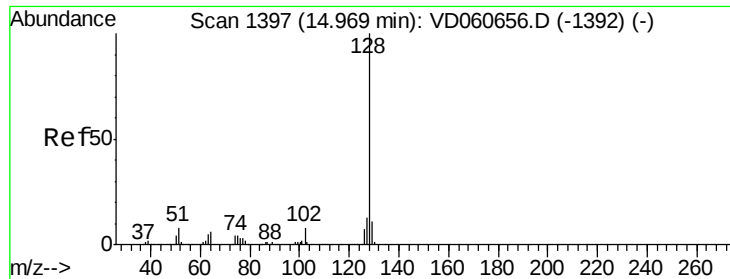
#94
 Hexachlorobutadiene
 Concen: 56.239 ug/l
 RT: 14.86 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion:225 Resp: 805695
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.3 93.8
 227 63.3 32.5 97.4



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

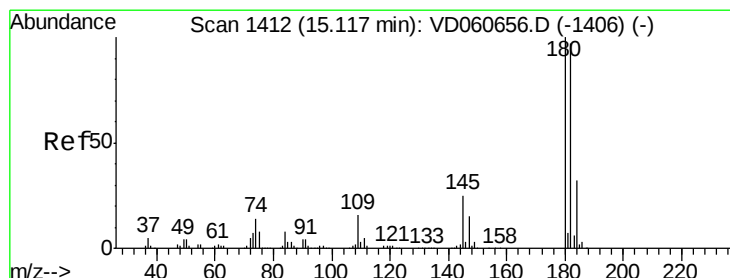
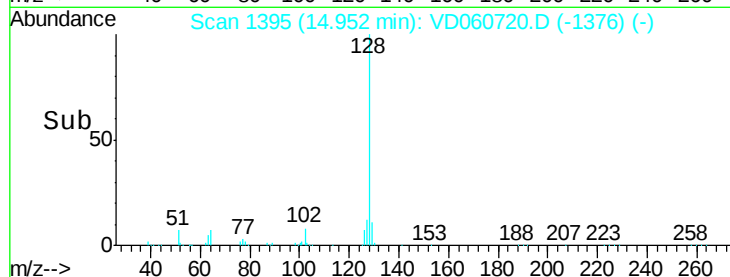
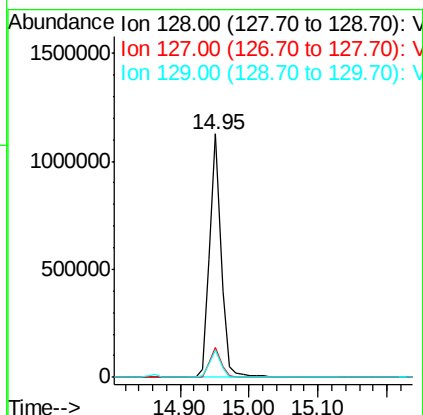
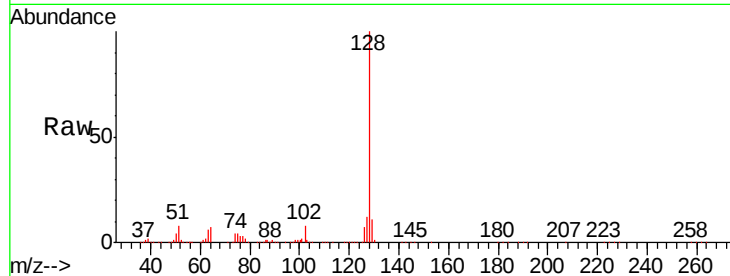




#95
Naphthalene
Concen: 57.314 ug/l
RT: 14.95 min Scan# 1395
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1320287
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 57.044 ug/l
RT: 15.10 min Scan# 1410
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion:180 Resp: 864294
Ion Ratio Lower Upper
180 100
182 96.9 48.6 145.9
145 25.0 12.6 37.8

