

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059733.D
 Acq On : 10 Aug 2018 17:12
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 11 05:00:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	145685	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	180750	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	140589	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.92	152	85306	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	23859	12.36	ug/l	0.01
Spiked Amount	50.000		Recovery	=	24.72%	
35) Dibromofluoromethane	5.54	113	18563	11.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.42%	
50) Toluene-d8	8.71	98	37507	10.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	21.14%	
62) 4-Bromofluorobenzene	11.94	95	18317	10.93	ug/l	0.02
Spiked Amount	50.000		Recovery	=	21.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	22451	11.03	ug/l	90
3) Chloromethane	1.47	50	7457	8.39	ug/l	97
4) Vinyl Chloride	1.55	62	10127	9.72	ug/l	89
5) Bromomethane	1.77	94	5097	14.44	ug/l	93
6) Chloroethane	1.87	64	5641	12.73	ug/l	93
7) Trichlorofluoromethane	2.07	101	24227	13.56	ug/l	92
8) Diethyl Ether	2.33	74	3391	10.50	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.54	101	11564	11.68	ug/l	97
10) Methyl Iodide	2.68	142	10502	9.19	ug/l	90
11) Tert butyl alcohol	3.24	59	3570	51.96	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	8034	11.24	ug/l #	86
13) Acrolein	2.46	56	2356	39.22	ug/l	99
14) Allyl chloride	2.90	41	17532	10.62	ug/l	90
15) Acrylonitrile	3.34	53	9585	50.20	ug/l	96
16) Acetone	2.60	43	16747	46.90	ug/l	95
17) Carbon Disulfide	2.74	76	23838	9.24	ug/l	98
18) Methyl Acetate	2.92	43	5993	9.00	ug/l	97
19) Methyl tert-butyl Ether	3.40	73	29962	10.78	ug/l	99
20) Methylene Chloride	3.05	84	12087	8.79	ug/l #	86
21) trans-1,2-Dichloroethene	3.37	96	9667	10.29	ug/l	87
22) Diisopropyl ether	4.05	45	34053	9.04	ug/l #	88
23) Vinyl Acetate	4.01	43	119260	49.22	ug/l	98
24) 1,1-Dichloroethane	3.96	63	25221	10.04	ug/l #	98
25) 2-Butanone	4.82	43	17202	38.18	ug/l	98
26) 2,2-Dichloropropane	4.78	77	30126	11.07	ug/l	96
27) cis-1,2-Dichloroethene	4.79	96	12478	9.42	ug/l	98
28) Bromochloromethane	5.14	49	8551	9.06	ug/l	95
29) Tetrahydrofuran	5.18	42	7099	40.46	ug/l	94
30) Chloroform	5.31	83	34919	11.19	ug/l	93
31) Cyclohexane	5.58	56	16736	9.15	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	33791	11.04	ug/l	96
36) 1,1-Dichloropropene	5.74	75	20777	10.33	ug/l	95
37) Ethyl Acetate	4.92	43	7874	8.06	ug/l #	85
38) Carbon Tetrachloride	5.72	117	32318	11.63	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	13918	8.37	ug/l	89
40) Benzene	6.01	78	35728	9.31	ug/l	97
41) Methacrylonitrile	5.12	41	3775	8.48	ug/l	88
42) 1,2-Dichloroethane	6.13	62	28816	11.54	ug/l	99
43) Isopropyl Acetate	7.62	43	9859	7.83	ug/l	91
44) Trichloroethene	6.99	130	14149	9.87	ug/l	85
45) 1,2-Dichloropropane	7.35	63	9378	9.27	ug/l	99
46) Dibromomethane	7.46	93	9309	10.28	ug/l	94
47) Bromodichloromethane	7.74	83	25584	10.99	ug/l	96
48) Methyl methacrylate	7.51	41	7375	8.69	ug/l	99
49) 1,4-Dioxane	7.49	88	529	82.13	ug/l #	54
51) 4-Methyl-2-Pentanone	8.60	43	39620	42.60	ug/l	97
52) Toluene	8.81	92	23222	9.45	ug/l	83
53) t-1,3-Dichloropropene	9.19	75	20433	10.50	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	20801	10.55	ug/l	86
55) 1,1,2-Trichloroethane	9.46	97	8830	9.24	ug/l	97
56) Ethyl methacrylate	9.31	69	12564	12.03	ug/l #	73
57) 1,3-Dichloropropane	9.67	76	15574	10.47	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	24269	48.28	ug/l	93
59) 2-Hexanone	9.79	43	27042	38.68	ug/l	97
60) Dibromochloromethane	9.97	129	17505	11.26	ug/l	86
61) 1,2-Dibromoethane	10.09	107	10706	9.70	ug/l	98
64) Tetrachloroethene	9.51	164	14391	10.77	ug/l	94
65) Chlorobenzene	10.73	112	30098	10.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	15667	11.74	ug/l	90
67) Ethyl Benzene	10.86	91	57675	10.77	ug/l	95
68) m/p-Xylenes	11.02	106	36695	21.63	ug/l	97
69) o-Xylene	11.41	106	18254	11.01	ug/l	96
70) Styrene	11.44	104	29108	10.50	ug/l	95
71) Bromoform	11.61	173	10435	10.37	ug/l #	98
73) Isopropylbenzene	11.78	105	57866	10.23	ug/l	95
74) N-amyl acetate	11.66	43	15220	8.53	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.08	83	9403	8.33	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	11399	8.69	ug/l	100
77) Bromobenzene	12.05	156	17301	10.46	ug/l	83
78) n-propylbenzene	12.16	91	68325	9.76	ug/l	97
79) 2-Chlorotoluene	12.23	91	45408	10.69	ug/l	88
80) 1,3,5-Trimethylbenzene	12.33	105	49995	10.56	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	2180	7.06	ug/l	96
82) 4-Chlorotoluene	12.34	91	52077	10.44	ug/l	98
83) tert-Butylbenzene	12.58	119	54164	10.29	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	50117	9.97	ug/l	95
85) sec-Butylbenzene	12.77	105	57164	9.76	ug/l	91
86) p-Isopropyltoluene	12.90	119	53667	10.73	ug/l	95
87) 1,3-Dichlorobenzene	12.85	146	27856	9.71	ug/l	97
88) 1,4-Dichlorobenzene	12.94	146	28657	10.10	ug/l	94
89) n-Butylbenzene	13.20	91	51978	10.31	ug/l	96
90) Hexachloroethane	13.41	117	12240	9.38	ug/l	97
91) 1,2-Dichlorobenzene	13.20	146	24278	10.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	2645	11.05	ug/l	74

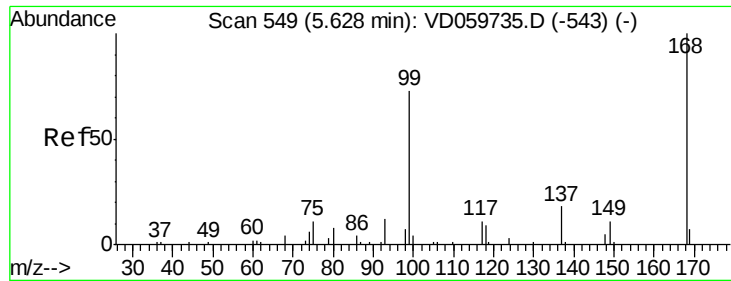
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
Data File : VD059733.D
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Sat Aug 11 04:59:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	22786	10.40	ug/l	93
94) Hexachlorobutadiene	14.44	225	19308	11.30	ug/l	100
95) Naphthalene	14.52	128	30497	9.56	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	18048	9.55	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

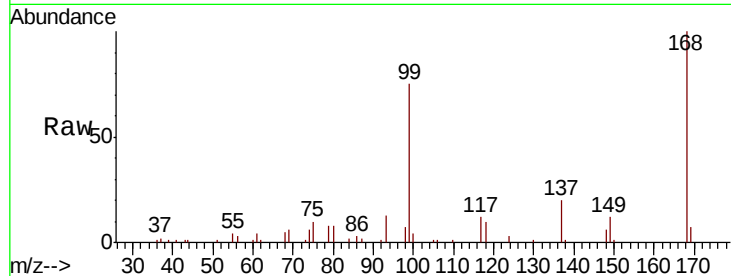
VSTDIC010

Tot Ion:168 Resp: 145685

Ion Ratio Lower Upper

168 100

99 75.0 61.4 92.2

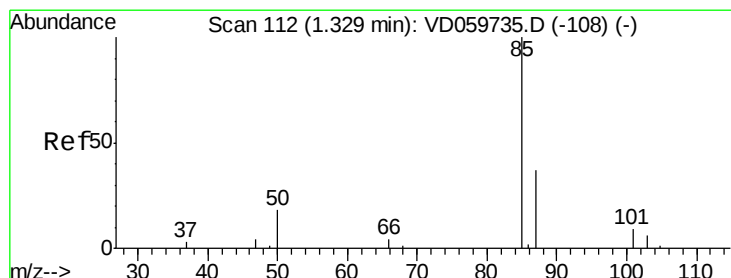
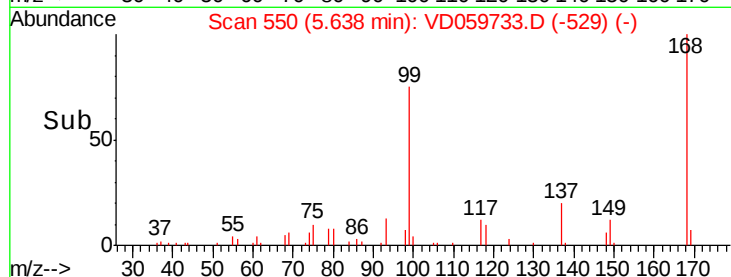


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

Time-->



#2

Dichlorodifluoromethane

Concen: 11.03 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059733.D

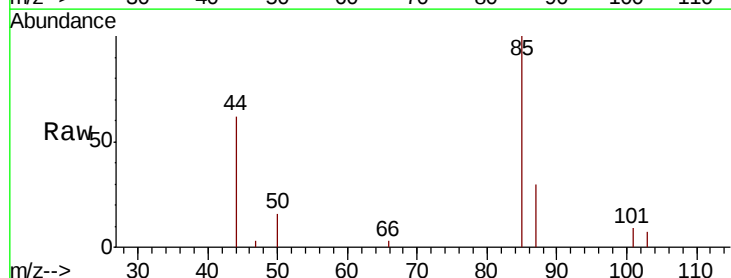
Acq: 10 Aug 2018 17:12

Tgt Ion: 85 Resp: 22451

Ion Ratio Lower Upper

85 100

87 30.5 18.3 54.8

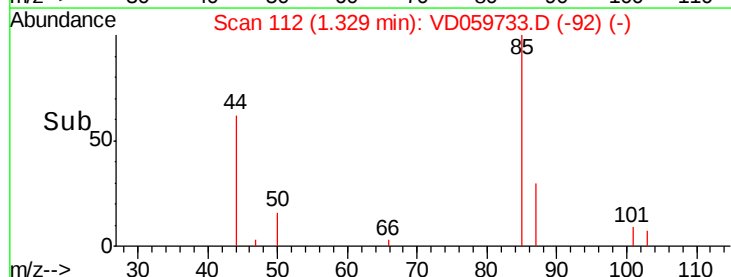


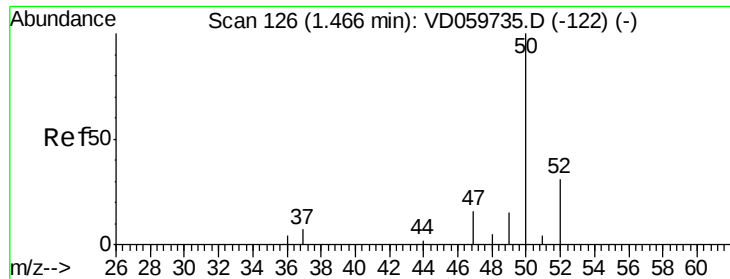
Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

Time-->

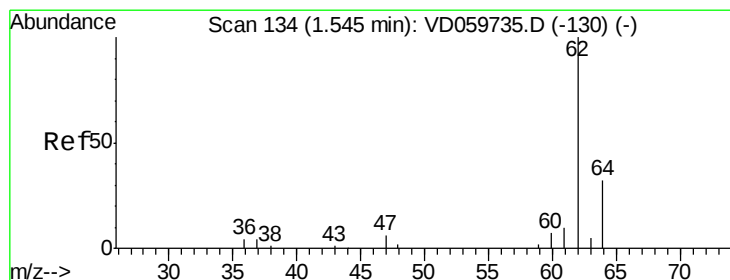
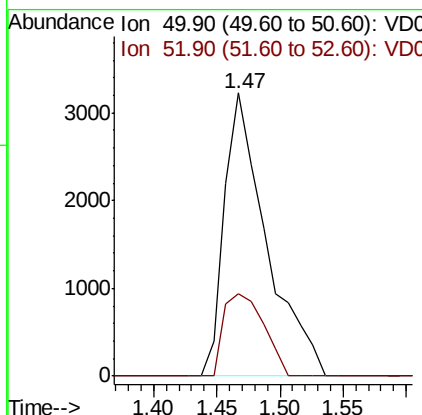
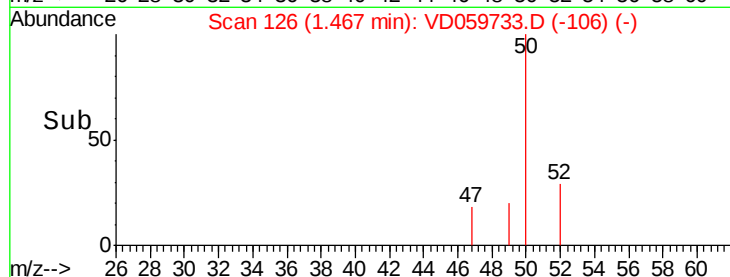
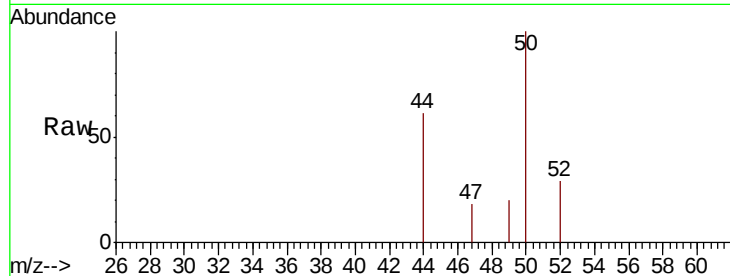




#3
Chloromethane
Concen: 8.39 ug/l
RT: 1.47 min Scan# 126
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

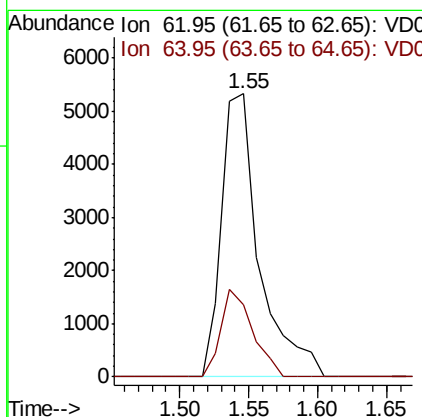
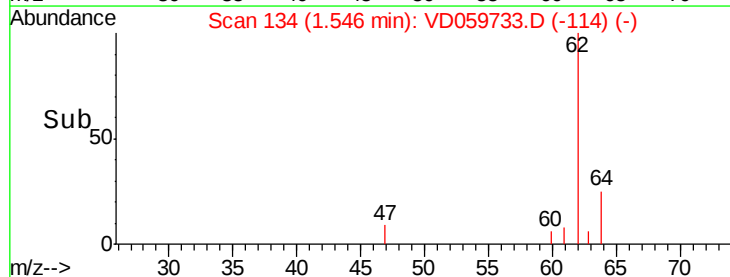
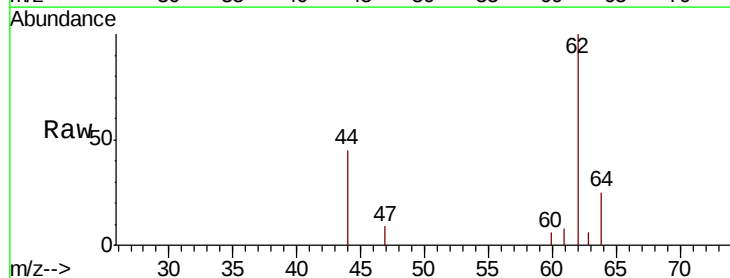
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

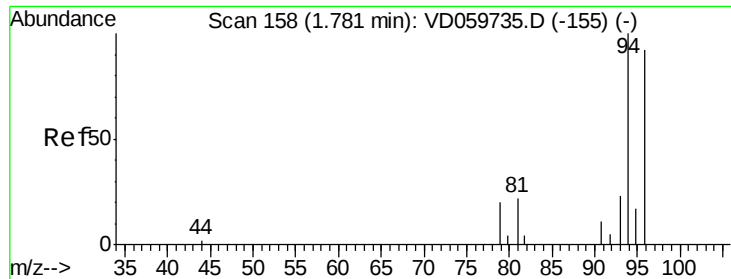
Tot Ion: 50 Resp: 7457
Ion Ratio Lower Upper
50 100
52 29.2 24.8 37.2



#4
Vinyl Chloride
Concen: 9.72 ug/l
RT: 1.55 min Scan# 134
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 62 Resp: 10127
Ion Ratio Lower Upper
62 100
64 25.4 25.3 37.9

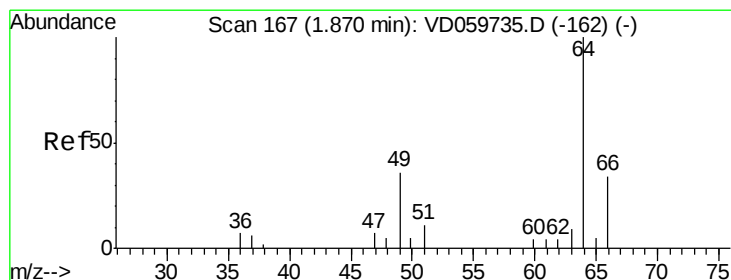
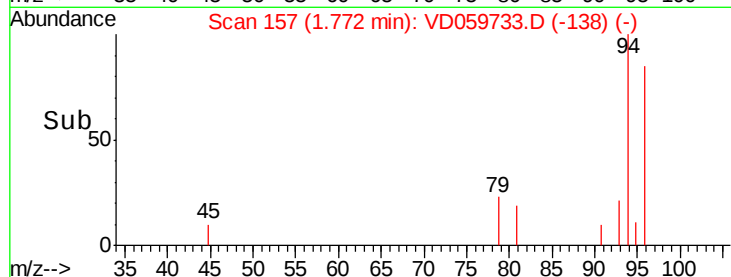
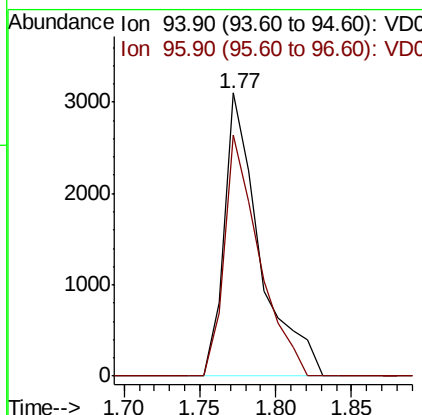
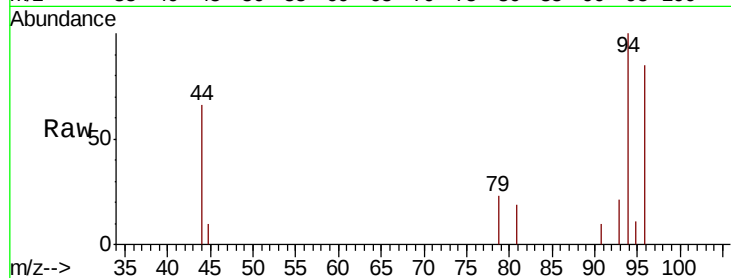




#5
Bromomethane
Concen: 14.44 ug/l
RT: 1.77 min Scan# 157
Delta R.T. -0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

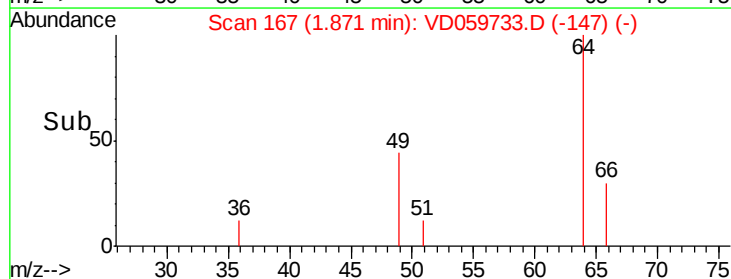
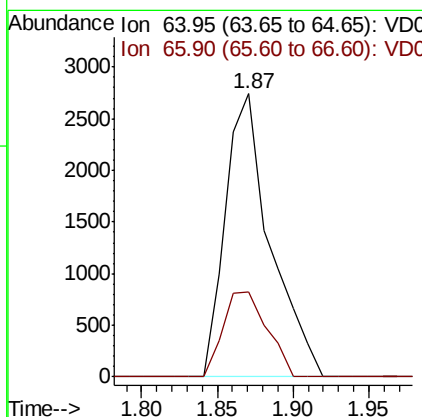
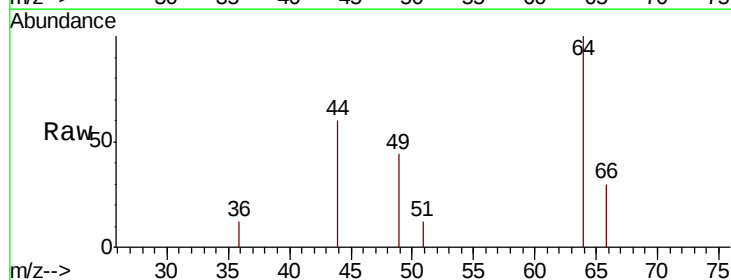
Instrument :
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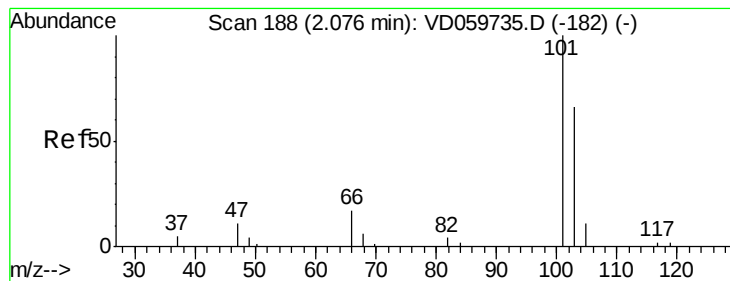
Tot Ion: 94 Resp: 5097
Ion Ratio Lower Upper
94 100
96 85.4 73.4 110.2



#6
Chloroethane
Concen: 12.73 ug/l
RT: 1.87 min Scan# 167
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 64 Resp: 5641
Ion Ratio Lower Upper
64 100
66 29.8 26.9 40.3



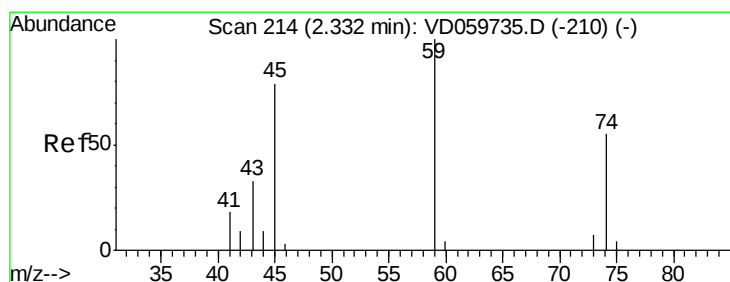
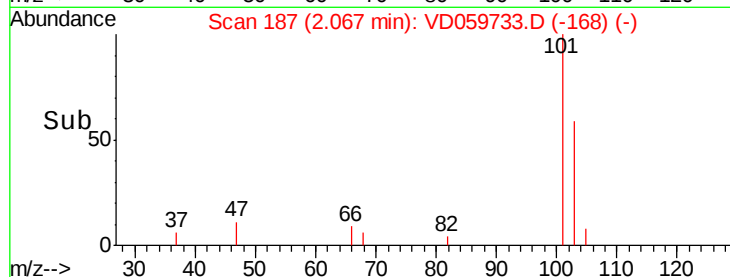
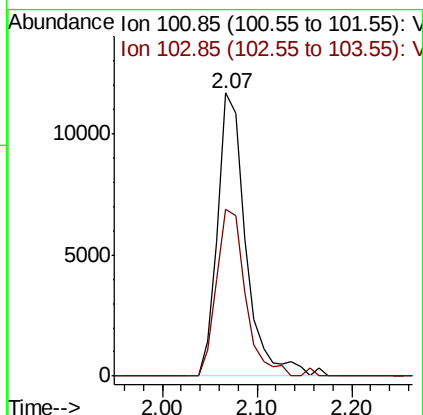
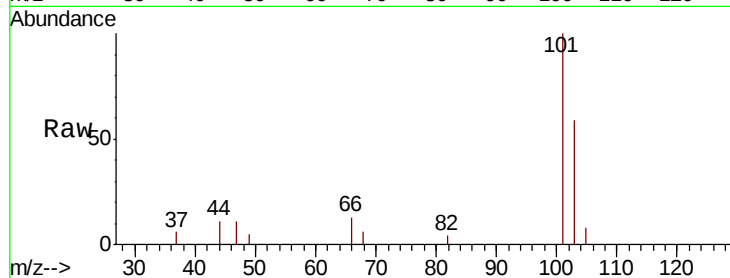


#7

Trichlorofluoromethane
 Concen: 13.56 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

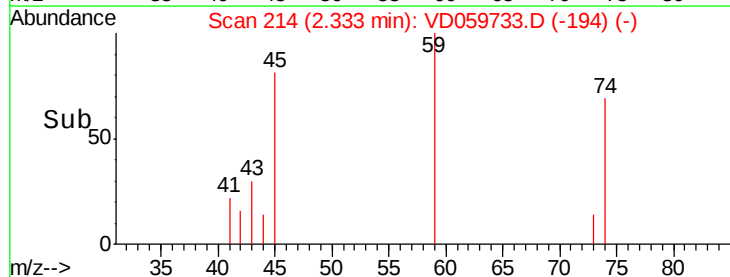
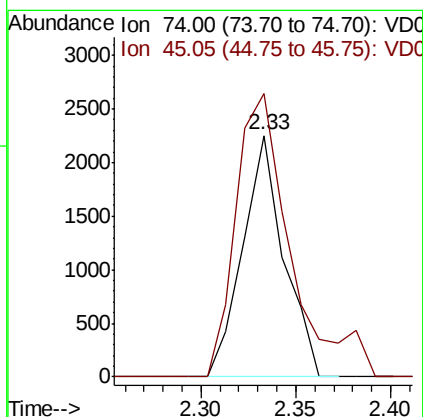
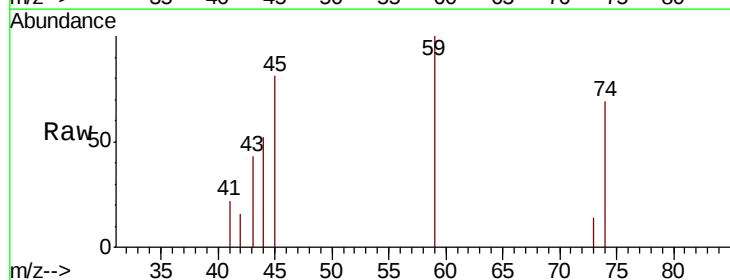
Tot Ion:101 Resp: 24227
 Ion Ratio Lower Upper
 101 100
 103 58.8 52.4 78.6

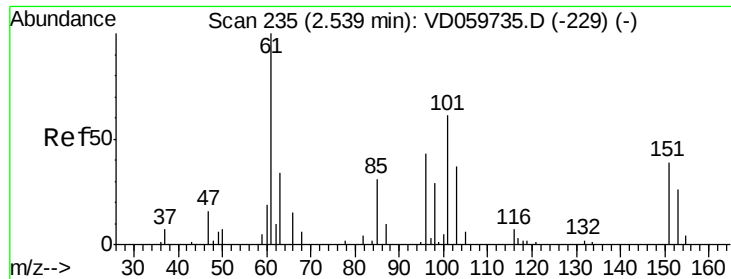


#8

Diethyl Ether
 Concen: 10.50 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.00 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 74 Resp: 3391
 Ion Ratio Lower Upper
 74 100
 45 117.2 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.68 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

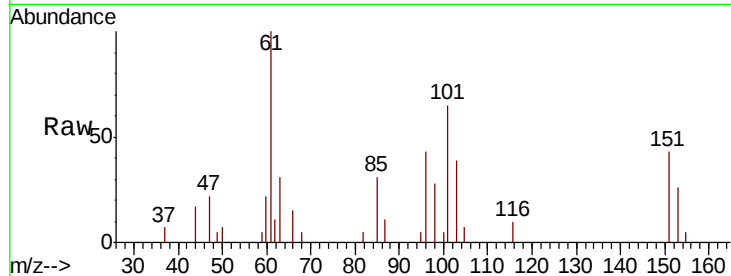
Tot Ion:101 Resp: 11564

Ion Ratio Lower Upper

101 100

85 48.2 39.7 59.5

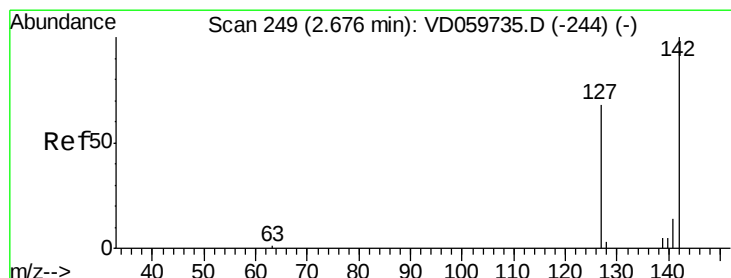
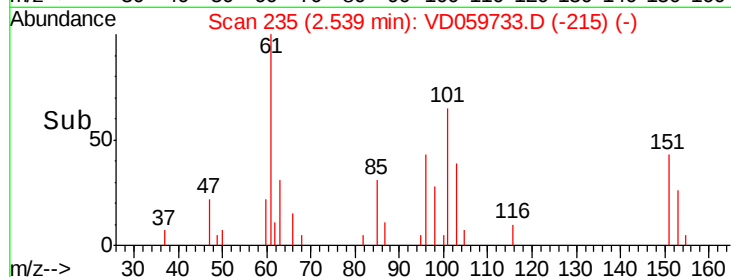
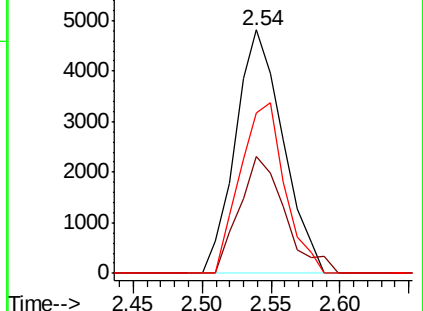
151 66.0 50.8 76.2



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: 9.19 ug/l

RT: 2.68 min Scan# 249

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

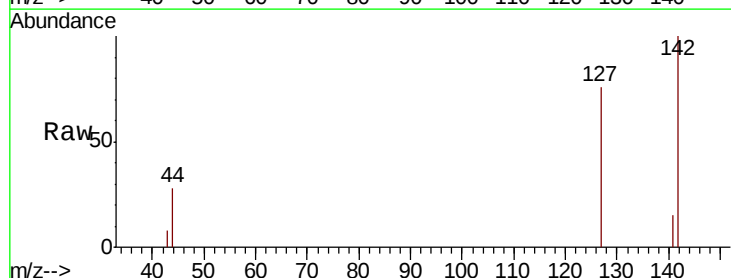
Tgt Ion:142 Resp: 10502

Ion Ratio Lower Upper

142 100

127 76.1 54.0 81.0

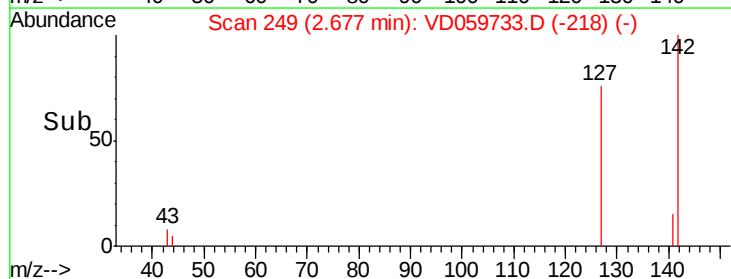
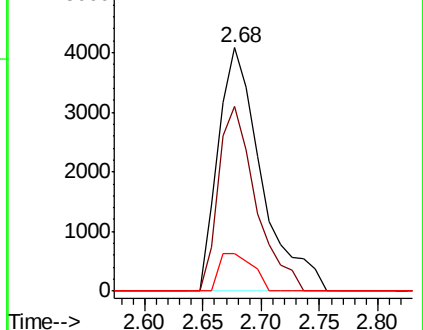
141 15.2 11.0 16.4

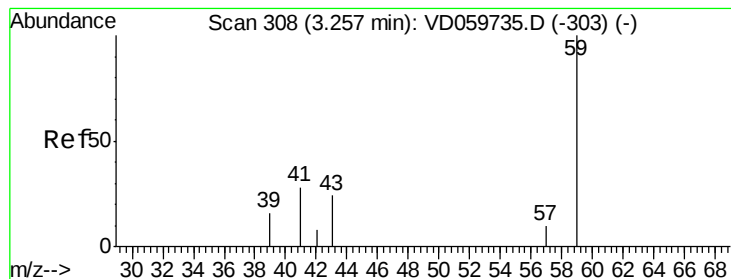


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



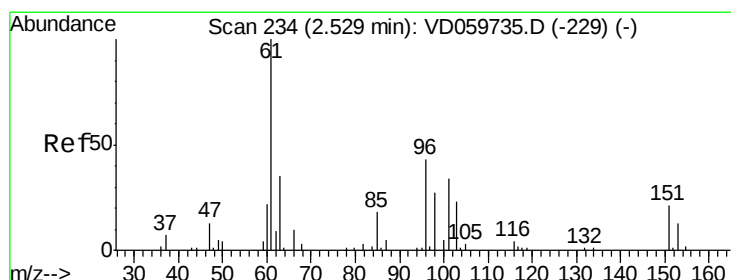
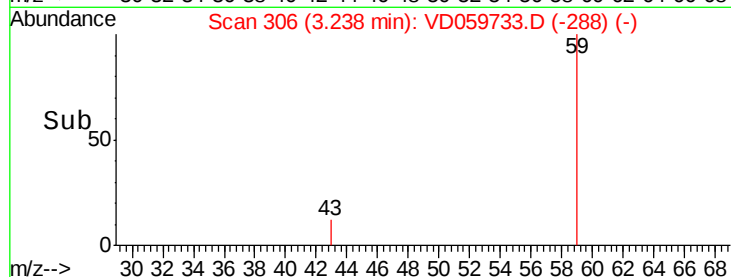
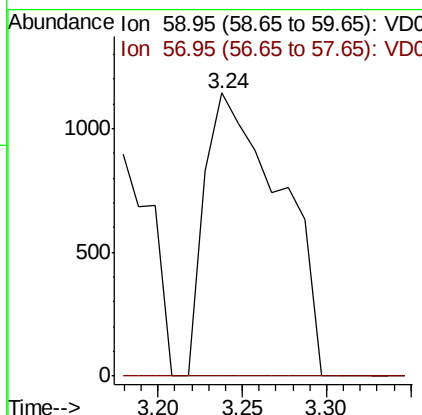
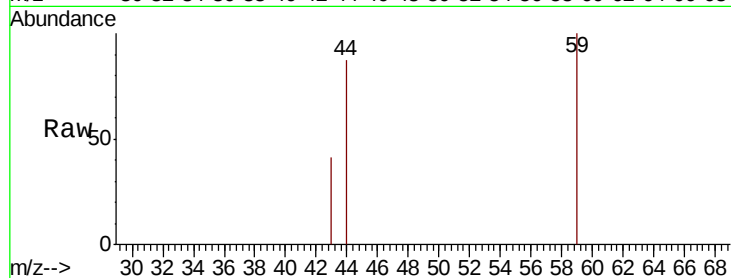


#11

Tert butyl alcohol
 Concen: 51.96 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

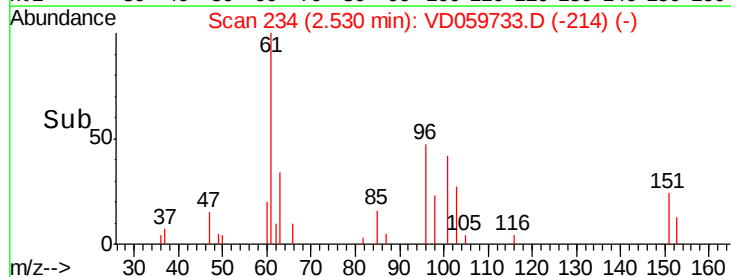
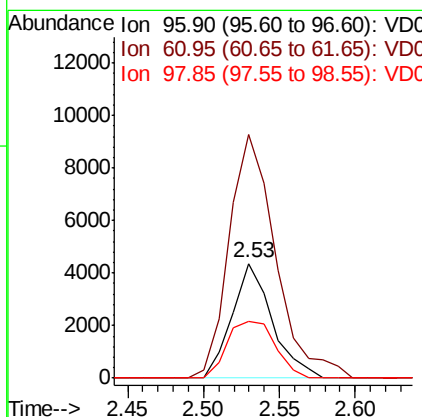
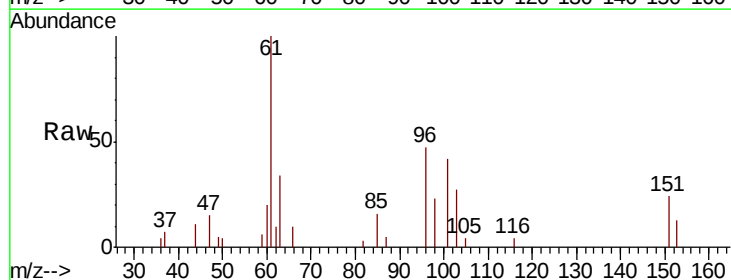
Tot Ion: 59 Resp: 3570
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.3 10.9#

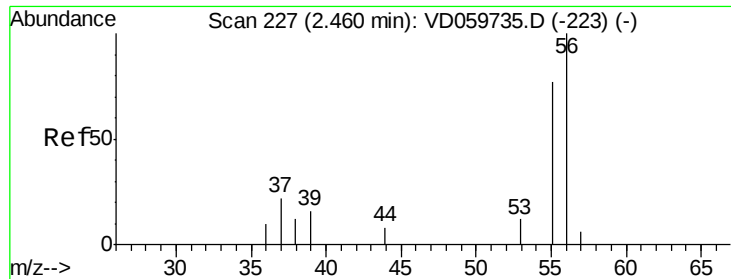


#12

1,1-Dichloroethene
 Concen: 11.24 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 96 Resp: 8034
 Ion Ratio Lower Upper
 96 100
 61 212.9 187.2 280.8
 98 49.5 50.4 75.6#





#13

Acrolein

Concen: 39.22 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

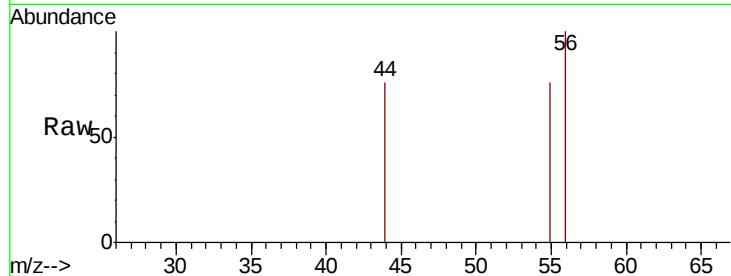
VSTDIC010

Tot Ion: 56 Resp: 2356

Ion Ratio Lower Upper

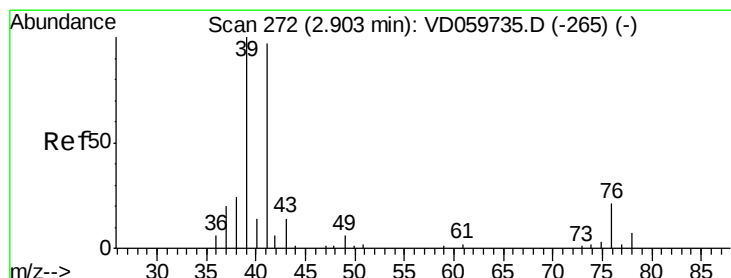
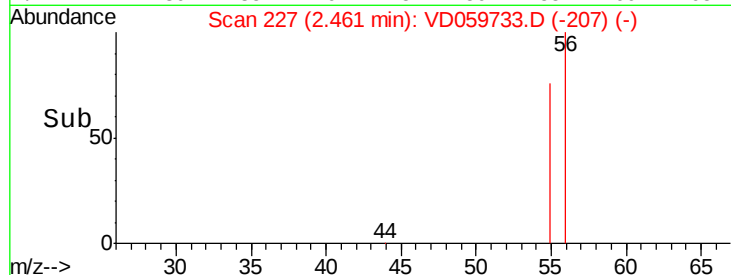
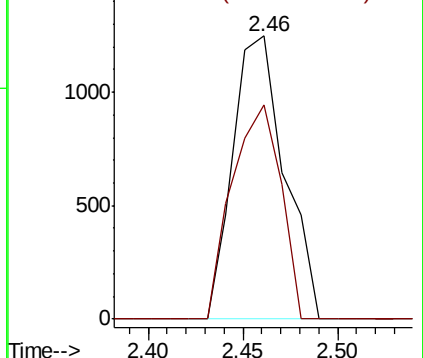
56 100

55 75.6 61.4 92.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.62 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

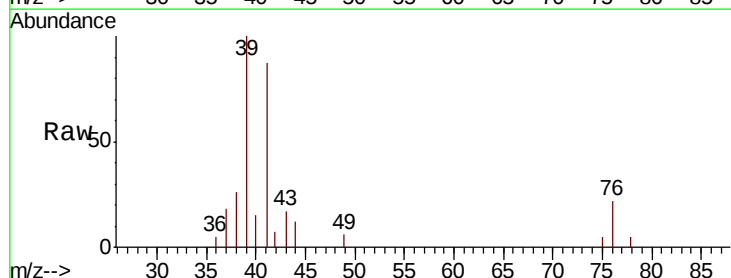
Tgt Ion: 41 Resp: 17532

Ion Ratio Lower Upper

41 100

39 114.9 82.9 124.3

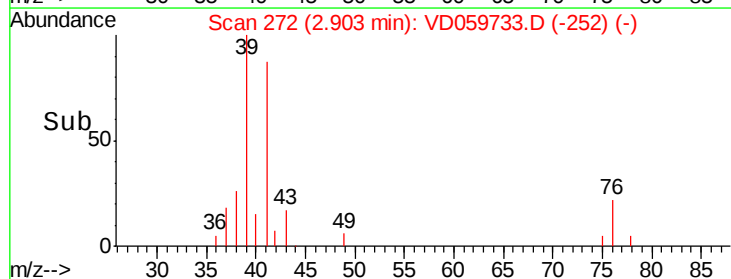
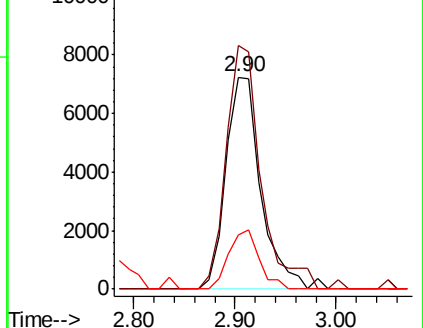
76 25.6 22.2 33.2

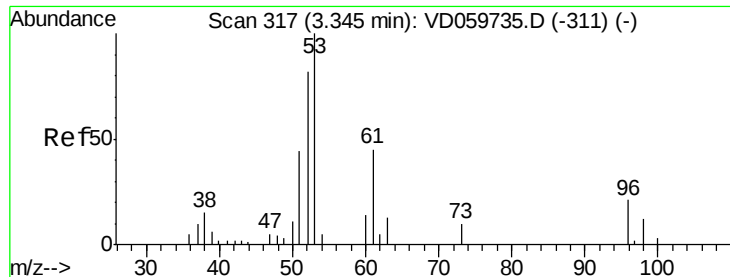


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 50.20 ug/l

RT: 3.34 min Scan# 316

Delta R.T. -0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

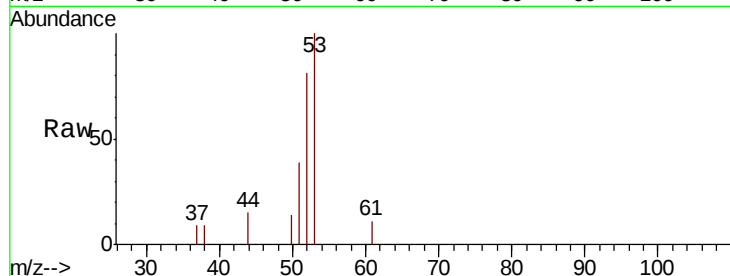
Tot Ion: 53 Resp: 9585

Ion Ratio Lower Upper

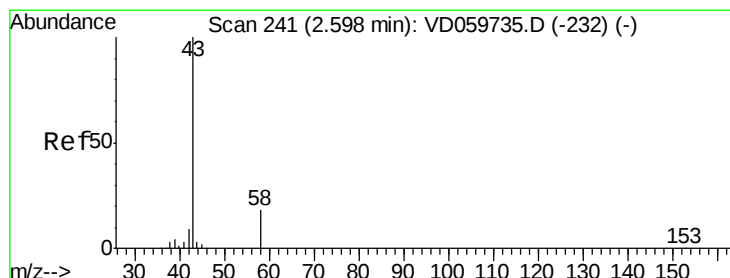
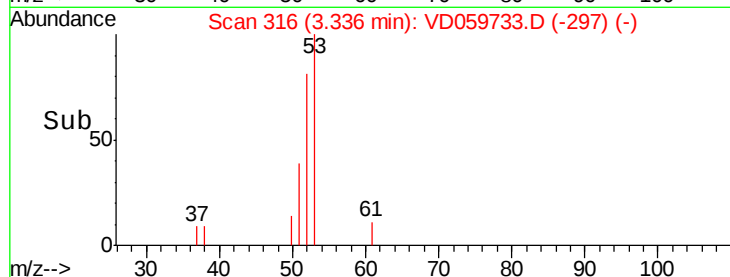
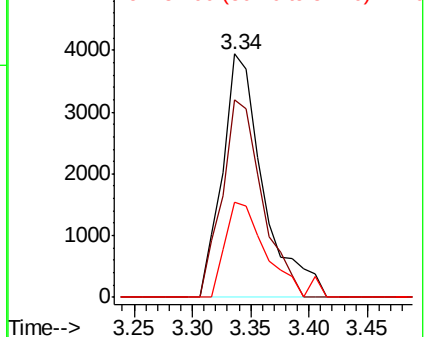
53 100

52 81.0 65.8 98.6

51 38.9 35.1 52.7



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: 46.90 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059733.D

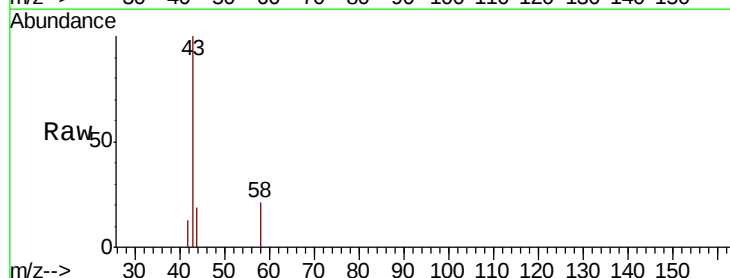
Acq: 10 Aug 2018 17:12

Tgt Ion: 43 Resp: 16747

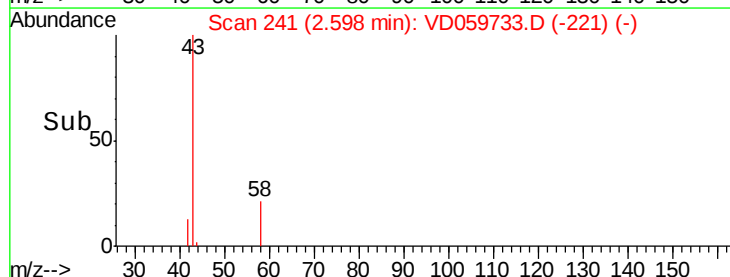
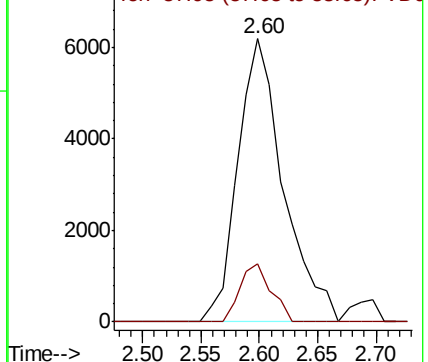
Ion Ratio Lower Upper

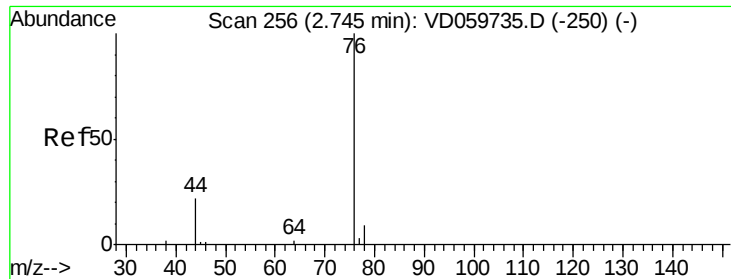
43 100

58 20.5 14.6 21.8



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

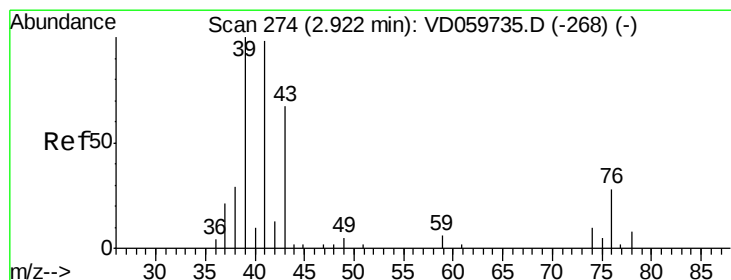
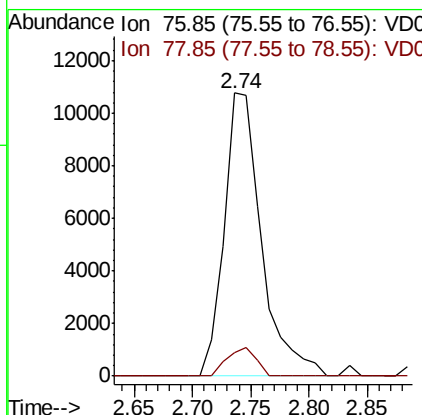
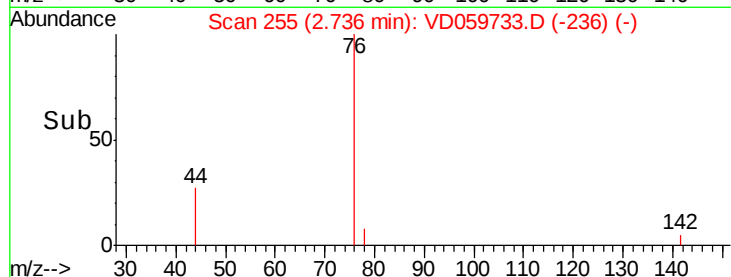
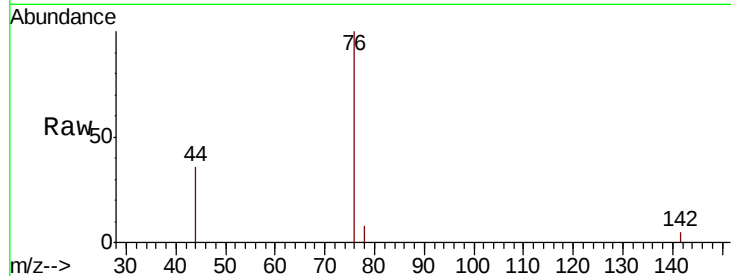




#17
Carbon Disulfide
Concen: 9.24 ug/l
RT: 2.74 min Scan# 255
Delta R.T. -0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

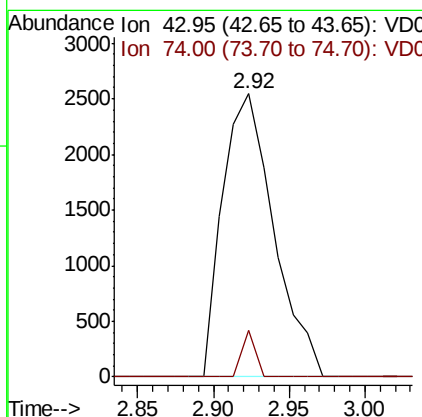
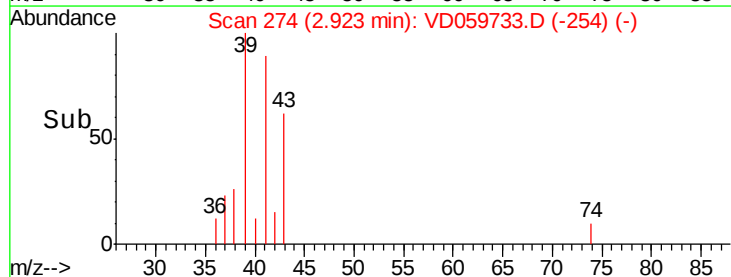
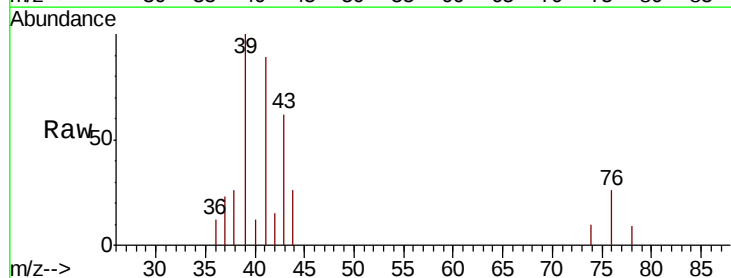
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

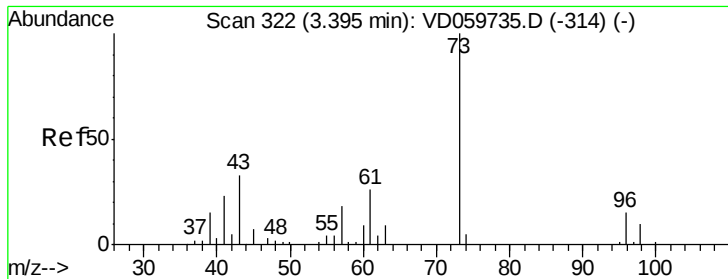
Tot Ion: 76 Resp: 23838
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6



#18
Methyl Acetate
Concen: 9.00 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 43 Resp: 5993
Ion Ratio Lower Upper
43 100
74 16.3 12.1 18.1

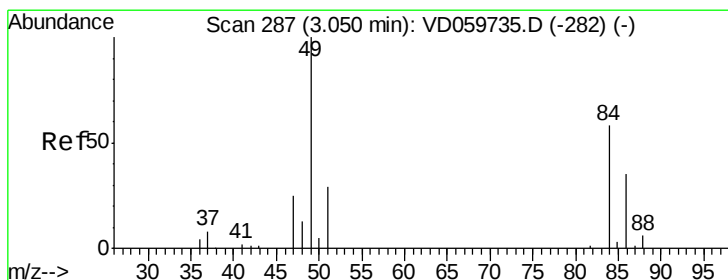
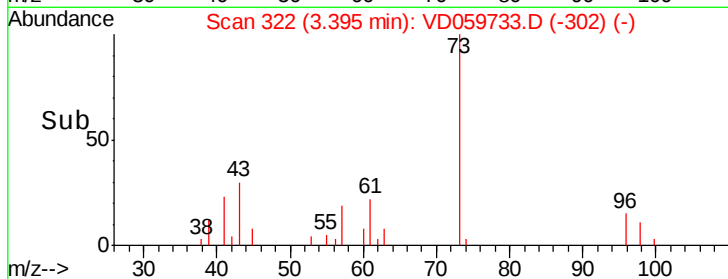
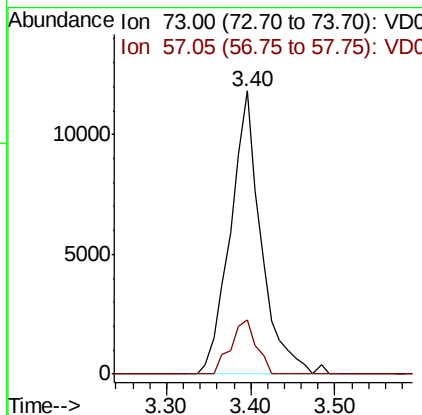
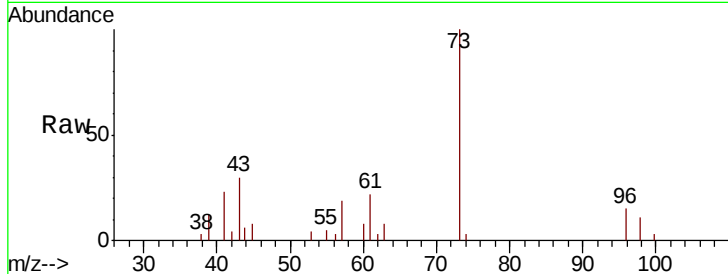




#19
Methvl tert-butvl Ether
Concen: 10.78 ug/l
RT: 3.40 min Scan# 322
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

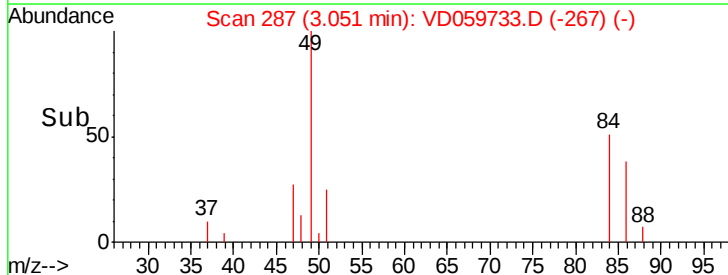
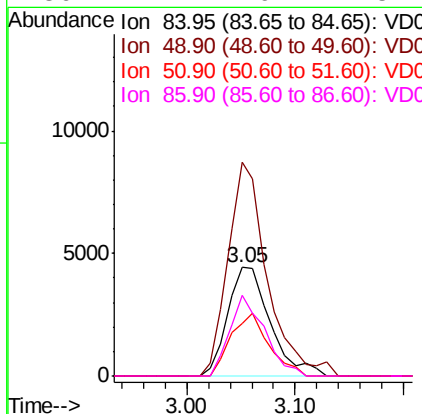
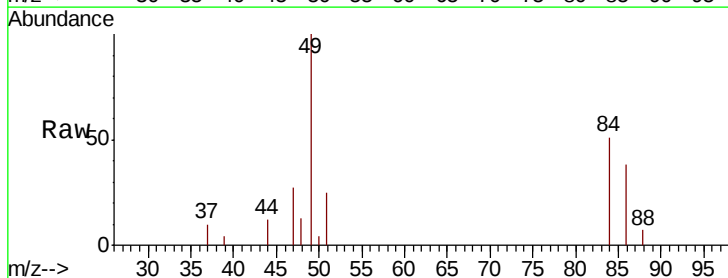
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

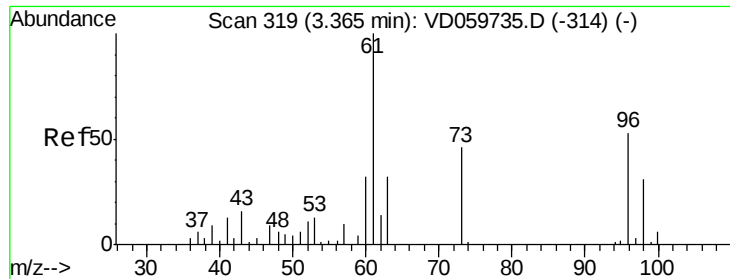
Tot Ion: 73 Resp: 29962
Ion Ratio Lower Upper
73 100
57 19.2 14.8 22.2



#20
Methylene Chloride
Concen: 8.79 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 84 Resp: 12087
Ion Ratio Lower Upper
84 100
49 196.4 138.9 208.3
51 48.7 40.2 60.2
86 74.1 49.1 73.7#

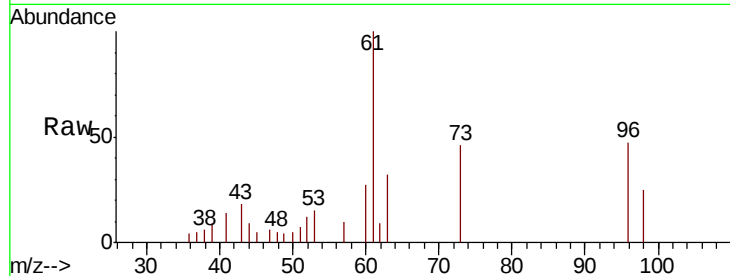




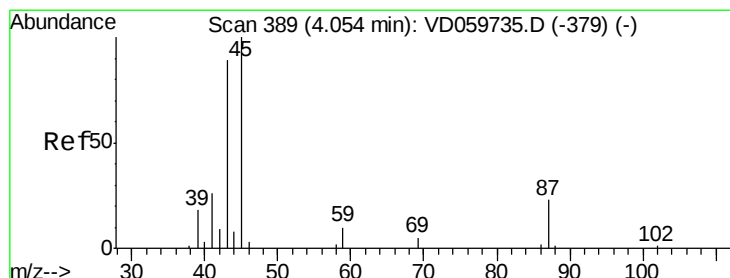
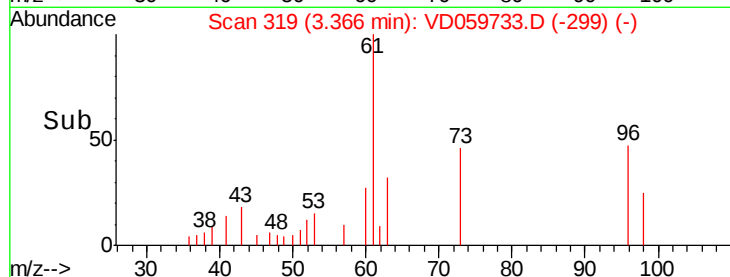
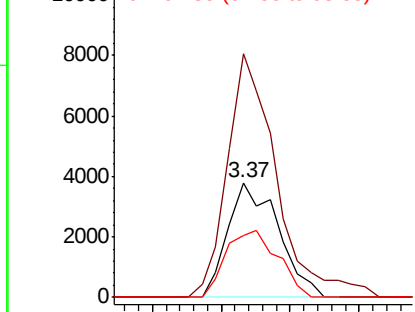
#21
trans-1,2-Dichloroethene
Concen: 10.29 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 9667
Ion Ratio Lower Upper
96 100
61 212.2 152.0 228.0
98 53.4 47.4 71.2

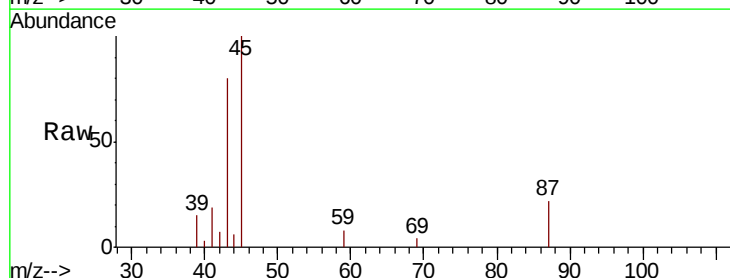


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

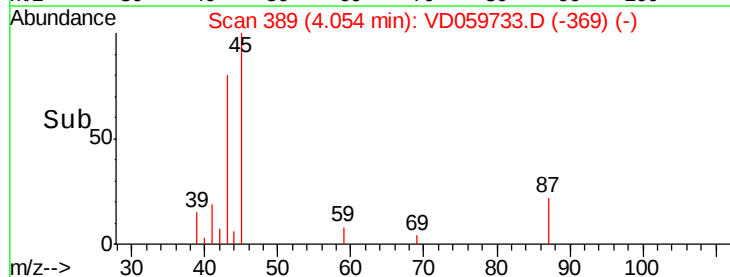
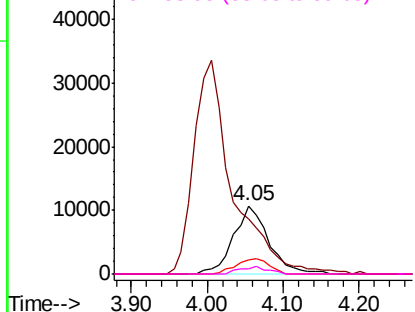


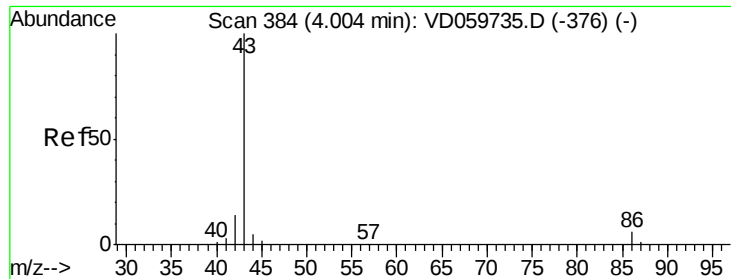
#22
Diisopropyl ether
Concen: 9.04 ug/l
RT: 4.05 min Scan# 389
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 45 Resp: 34053
Ion Ratio Lower Upper
45 100
43 80.3 75.5 113.3
87 21.7 19.4 29.0
59 8.0 8.5 12.7#



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 49.22 ug/l

RT: 4.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

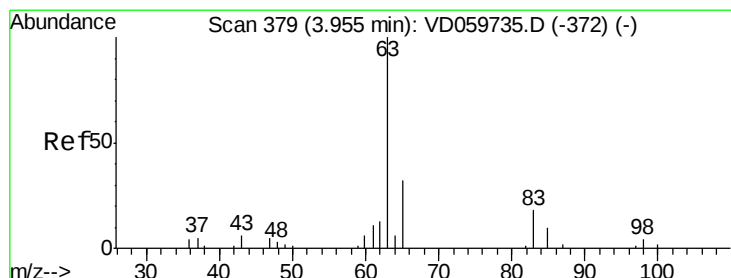
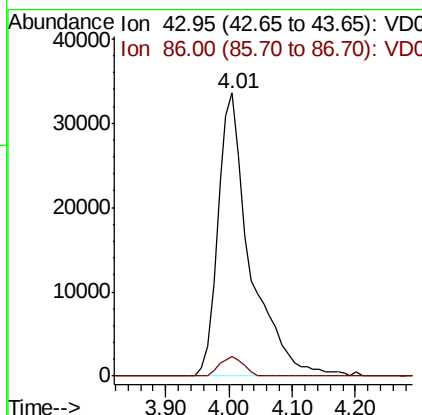
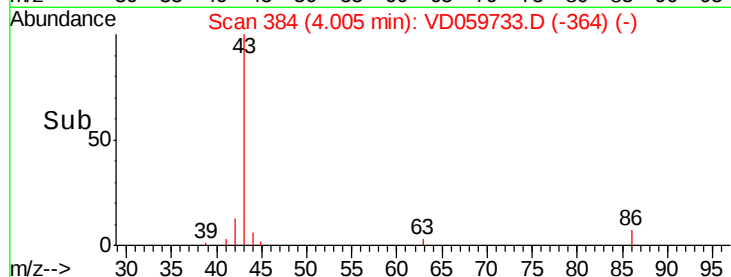
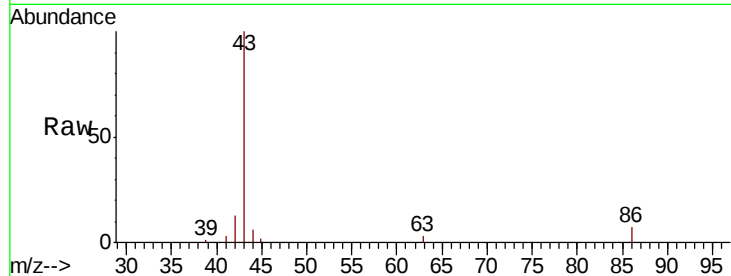
VSTDIC010

Tot Ion: 43 Resp: 119260

Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4



#24

1,1-Dichloroethane

Concen: 10.04 ug/l

RT: 3.96 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

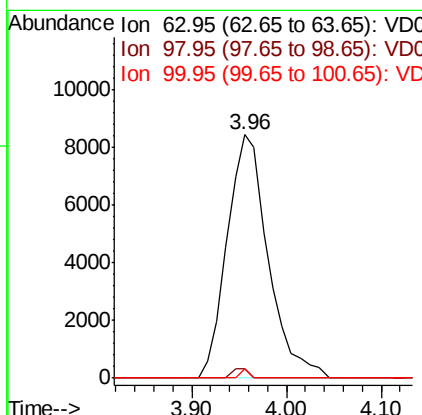
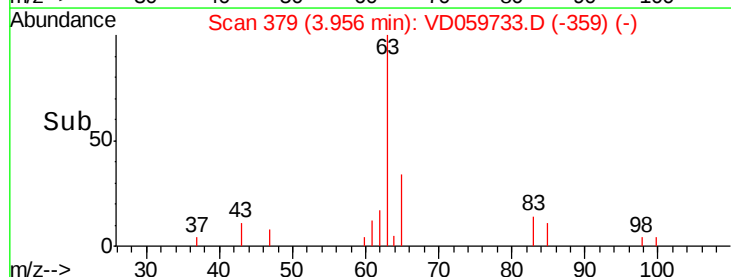
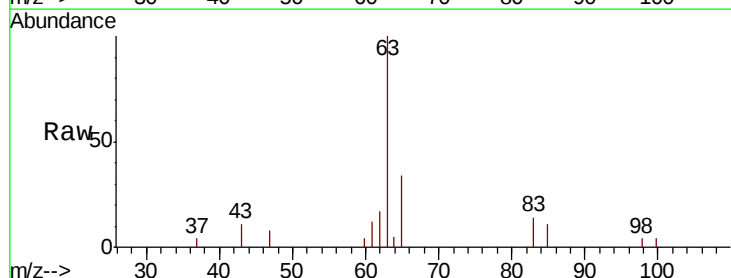
Tgt Ion: 63 Resp: 25221

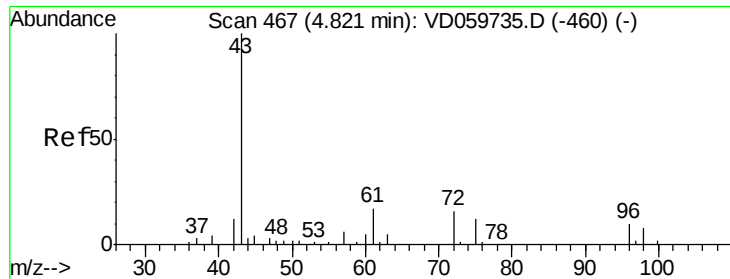
Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.5

100 4.1 1.1 3.1#





#25

2-Butanone

Concen: 38.18 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

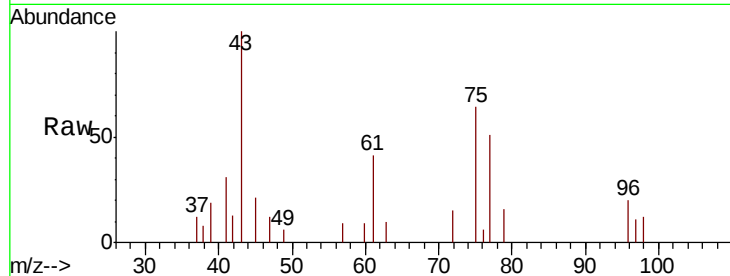
VSTDIC010

Tot Ion: 43 Resp: 17202

Ion Ratio Lower Upper

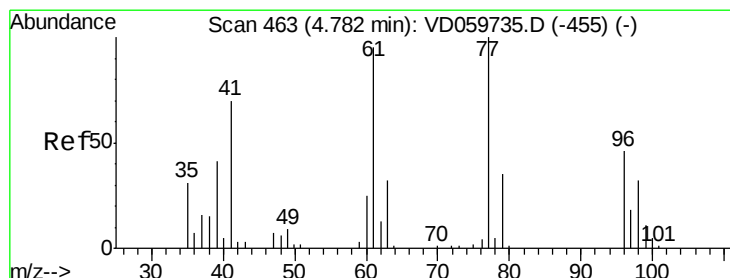
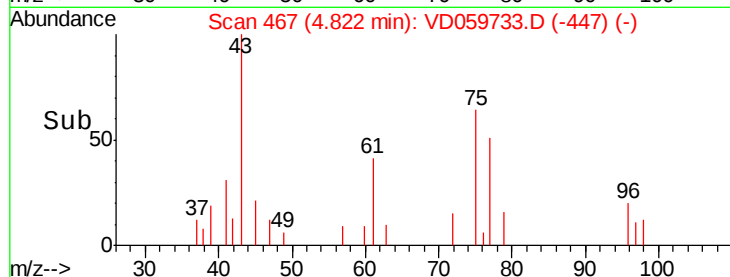
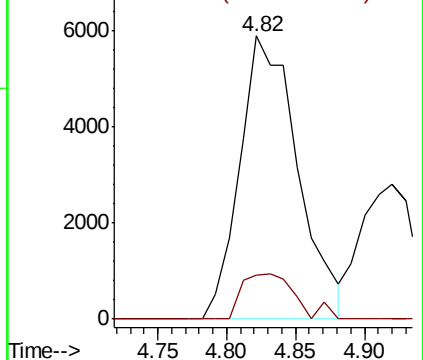
43 100

72 15.4 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 11.07 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059733.D

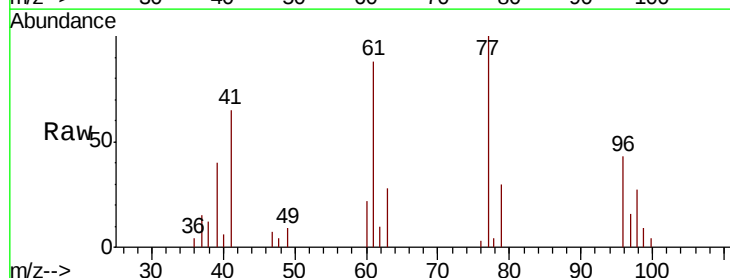
Acq: 10 Aug 2018 17:12

Tgt Ion: 77 Resp: 30126

Ion Ratio Lower Upper

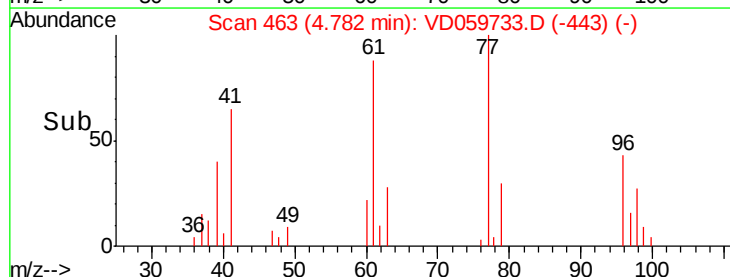
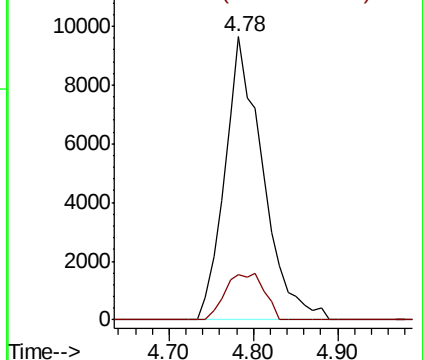
77 100

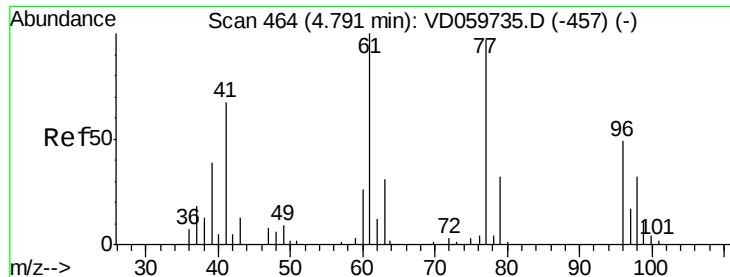
97 16.1 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



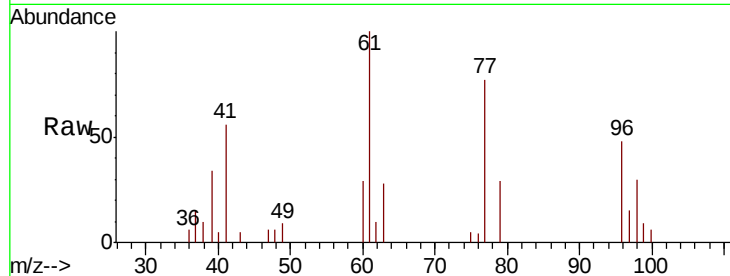


#27

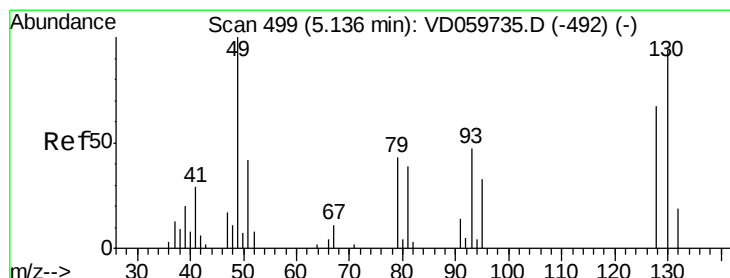
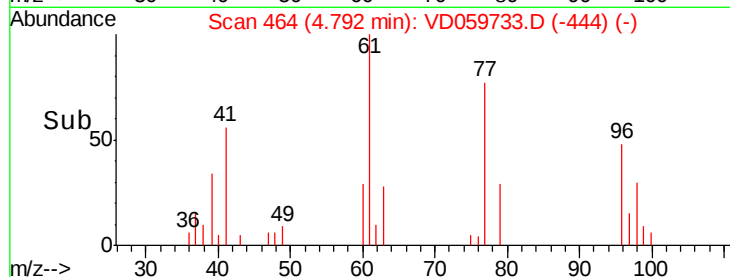
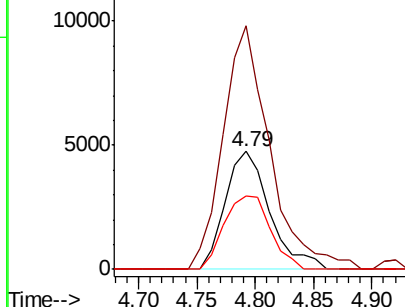
cis-1,2-Dichloroethene
Concen: 9.42 ug/l
RT: 4.79 min Scan# 464
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 12478
Ion Ratio Lower Upper
96 100
61 206.9 0.0 409.8
98 62.8 0.0 132.8



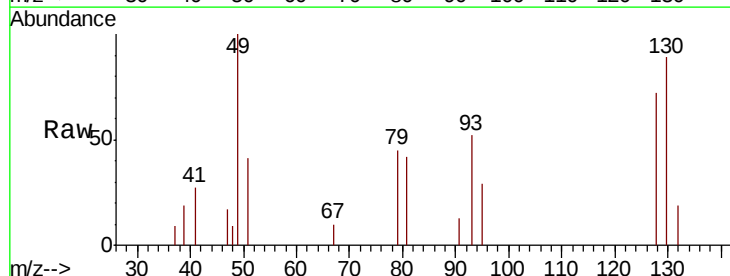
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



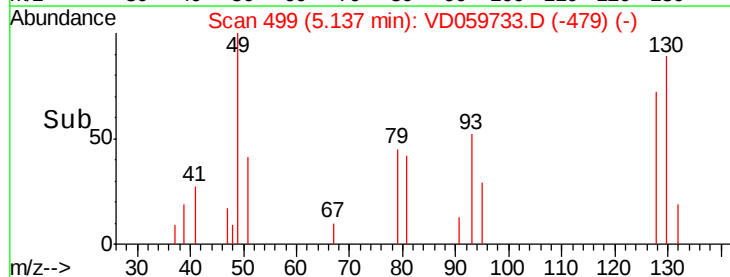
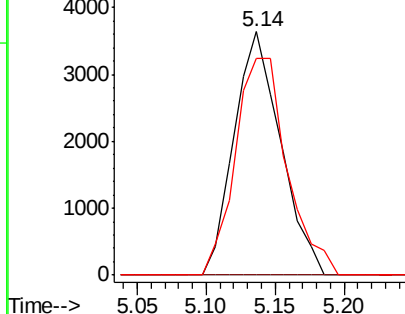
#28

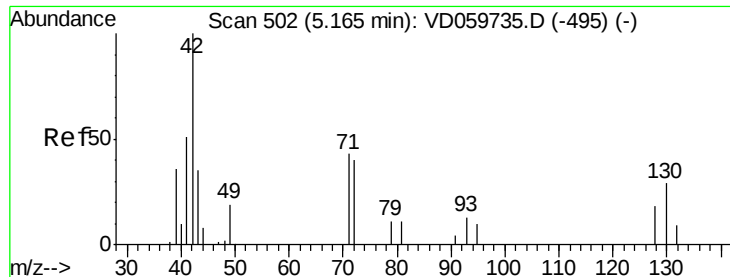
Bromochloromethane
Concen: 9.06 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 49 Resp: 8551
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 89.1 75.0 112.6



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

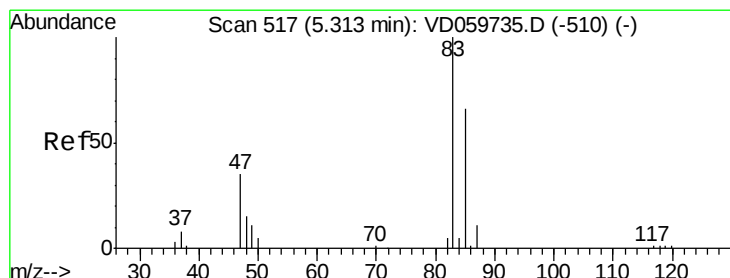
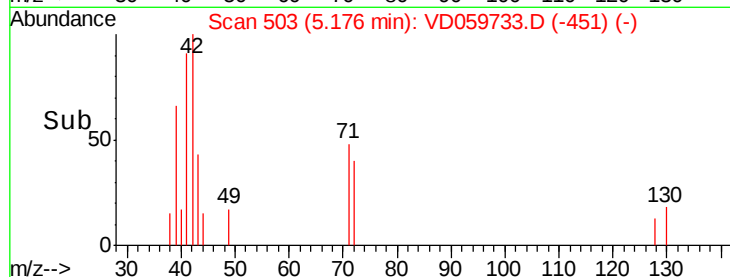
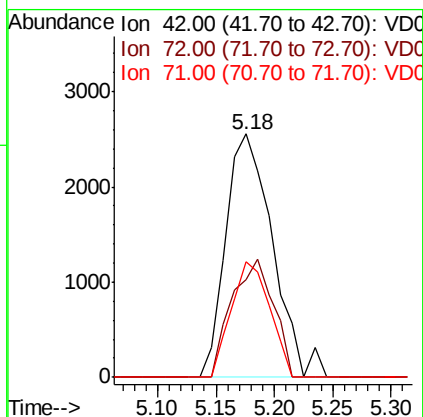
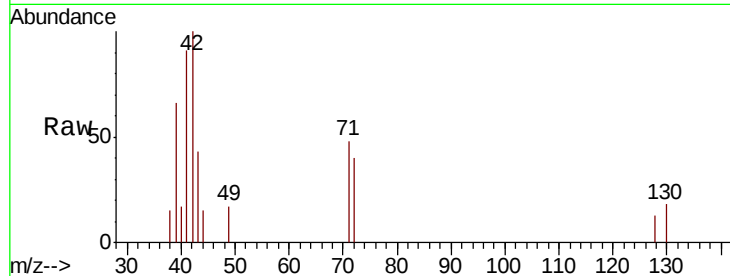




#29
Tetrahydrofuran
Concen: 40.46 ug/l
RT: 5.18 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

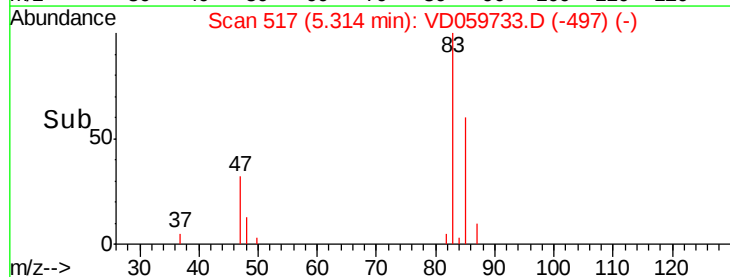
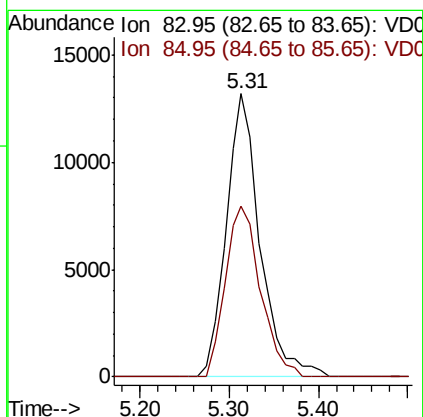
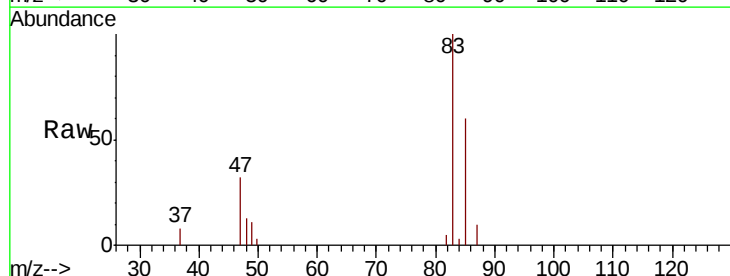
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

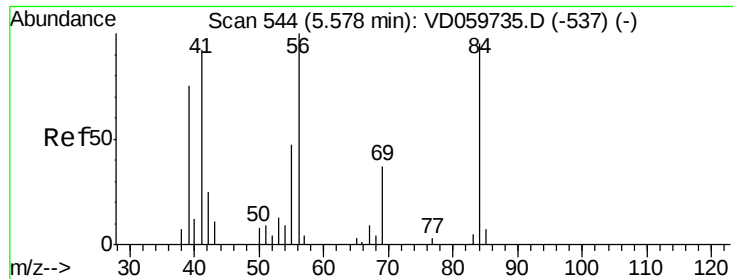
Tot Ion: 42 Resp: 7099
Ion Ratio Lower Upper
42 100
72 43.3 35.3 52.9
71 39.3 37.1 55.7



#30
Chloroform
Concen: 11.19 ug/l
RT: 5.31 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 83 Resp: 34919
Ion Ratio Lower Upper
83 100
85 60.1 52.9 79.3

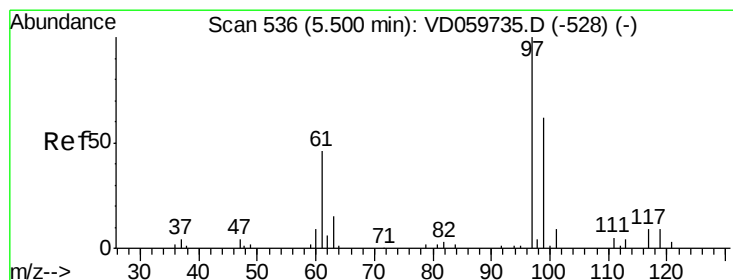
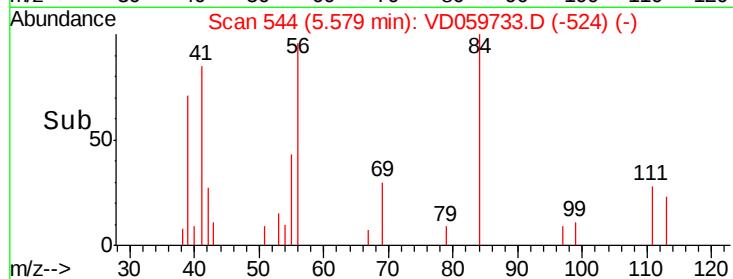
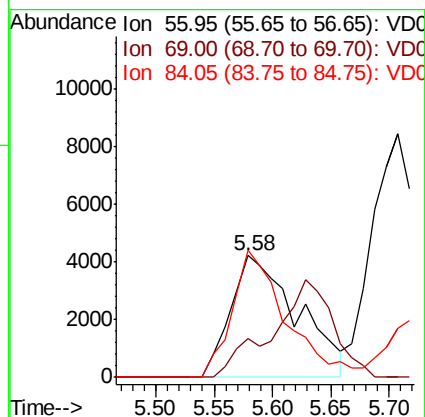
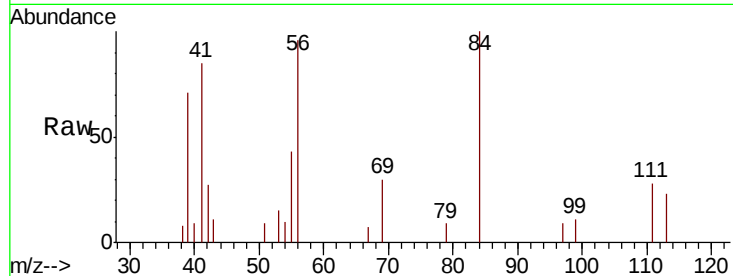




#31
Cyclohexane
Concen: 9.15 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

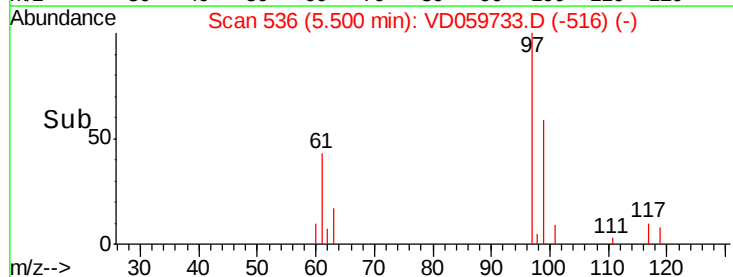
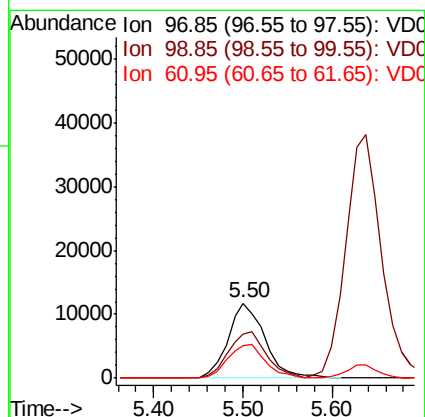
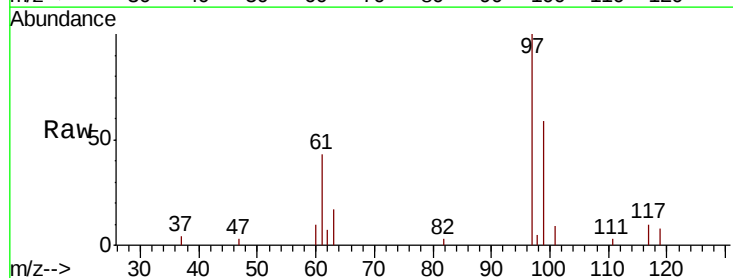
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

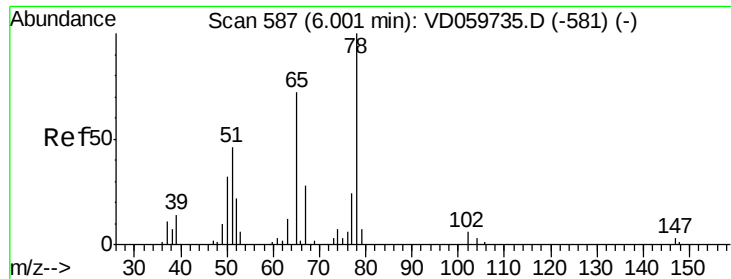
Tot Ion: 56 Resp: 16736
Ion Ratio Lower Upper
56 100
69 31.5 29.3 43.9
84 104.3 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 11.04 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 97 Resp: 33791
Ion Ratio Lower Upper
97 100
99 59.0 49.8 74.6
61 43.2 37.0 55.4

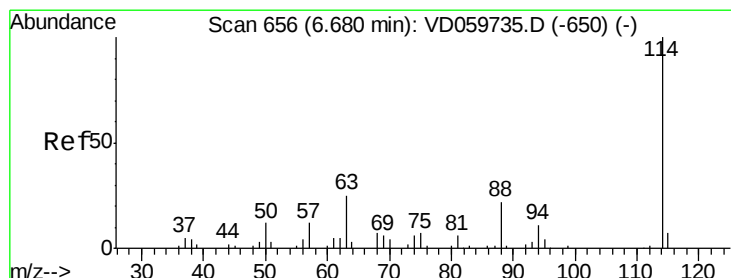
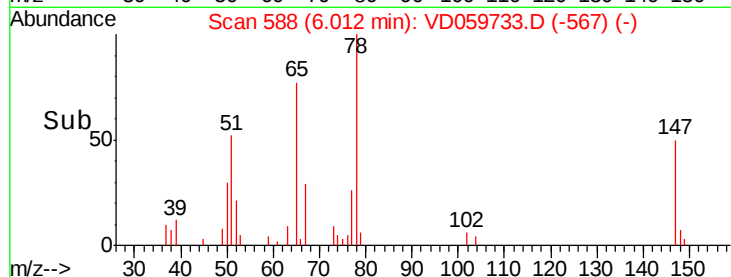
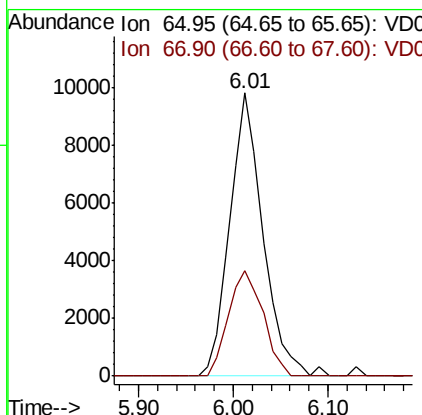
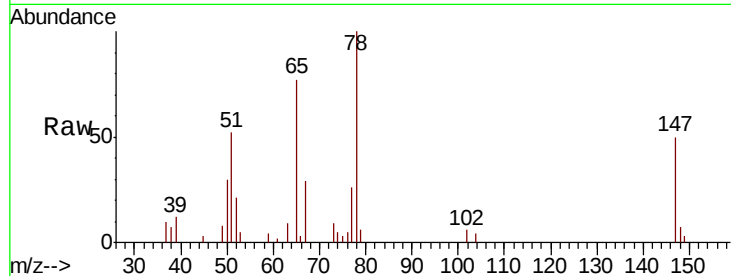




#33
 1,2-Dichloroethane-d4
 Concen: 11.04 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

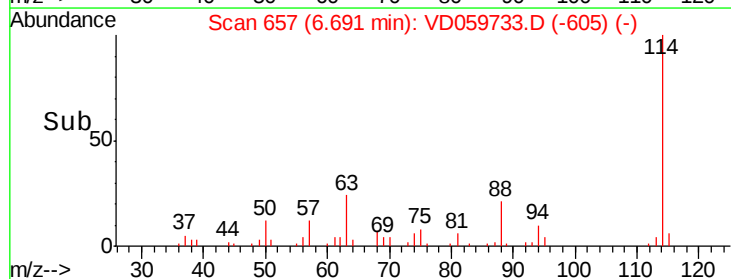
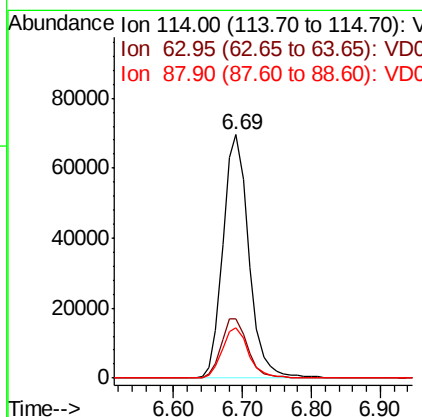
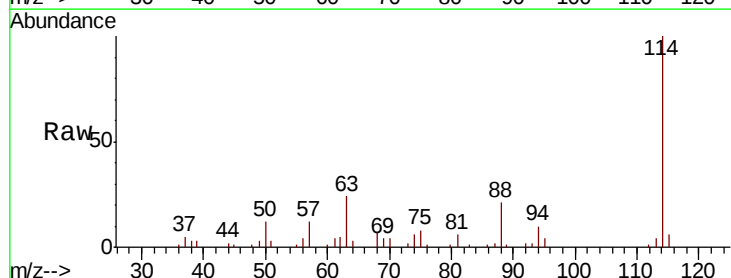
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

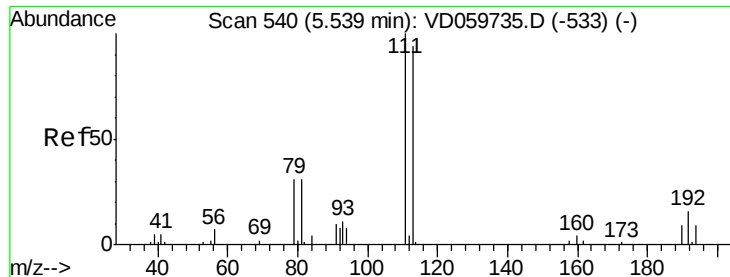
Tot Ion: 65 Resp: 23859
 Ion Ratio Lower Upper
 65 100
 67 37.3 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 114 Resp: 180750
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 20.7 0.0 43.4

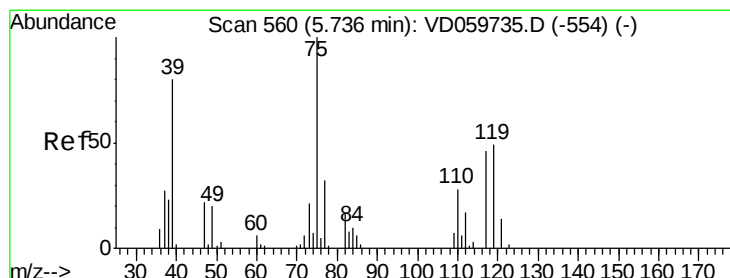
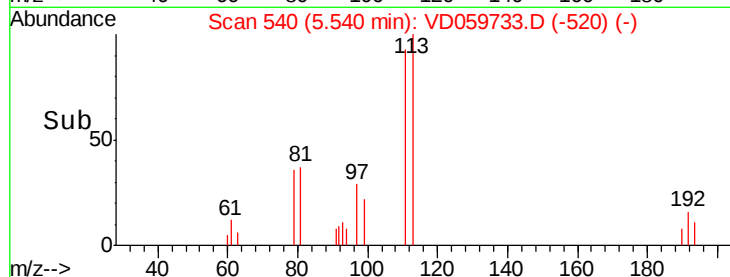
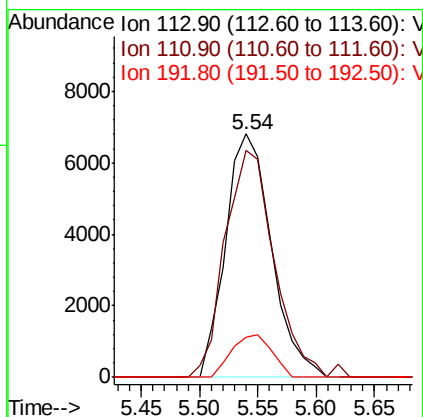
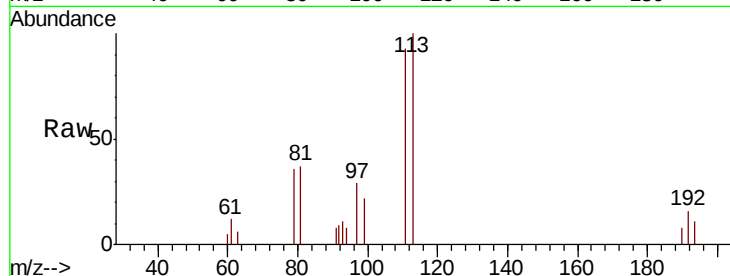




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

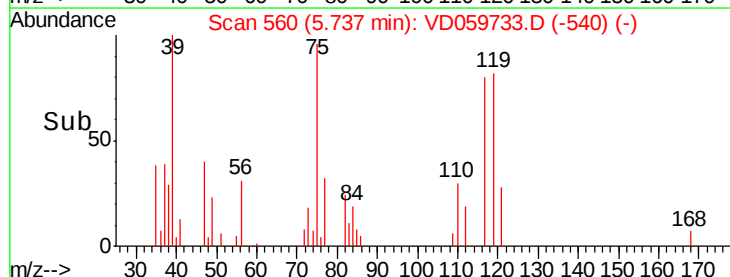
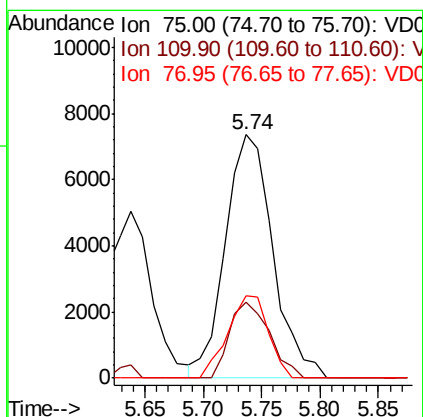
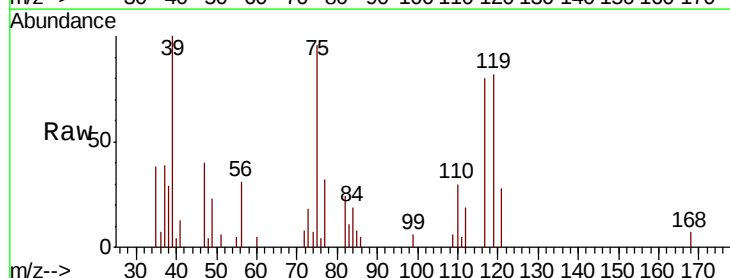
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

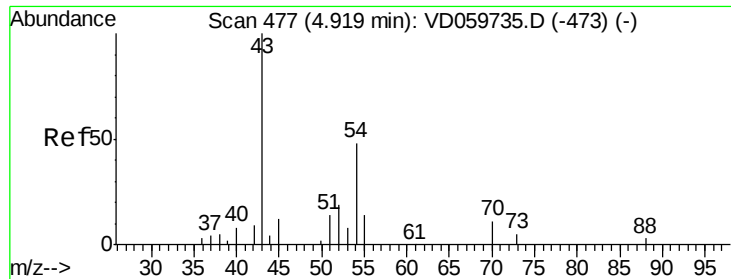
Tot Ion:113 Resp: 18563
 Ion Ratio Lower Upper
 113 100
 111 93.3 85.3 127.9
 192 16.4 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 10.33 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 75 Resp: 20777
 Ion Ratio Lower Upper
 75 100
 110 31.3 13.7 41.0
 77 33.7 25.4 38.2

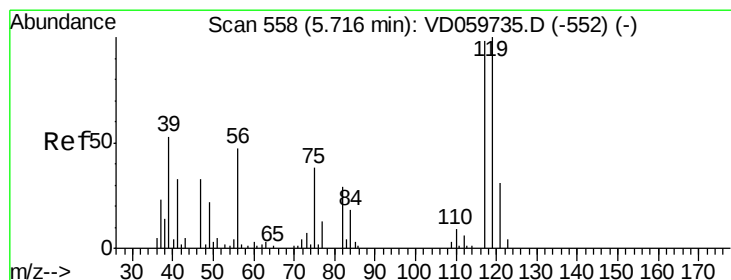
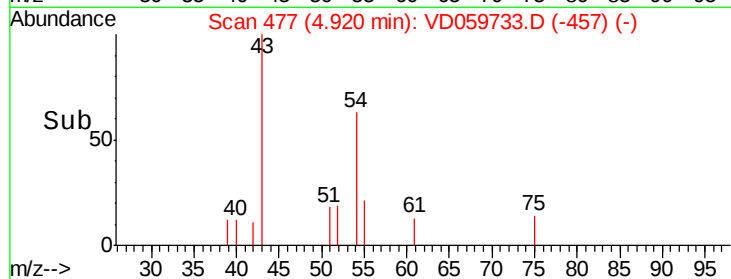
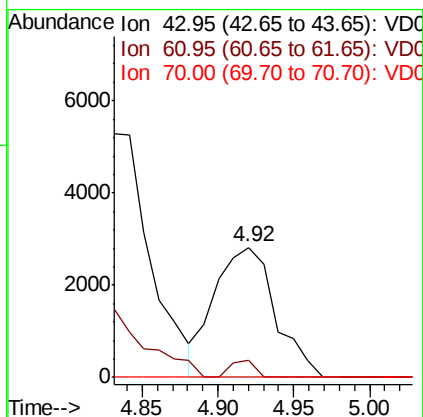
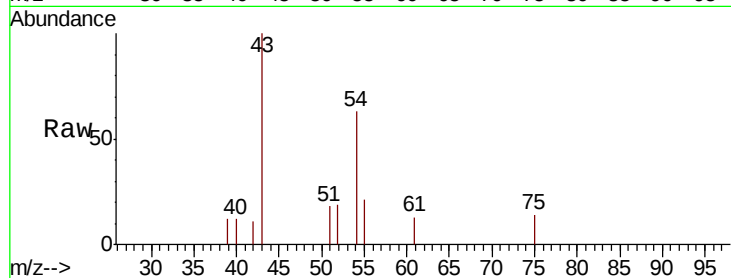




#37
Ethyl Acetate
Concen: 8.06 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

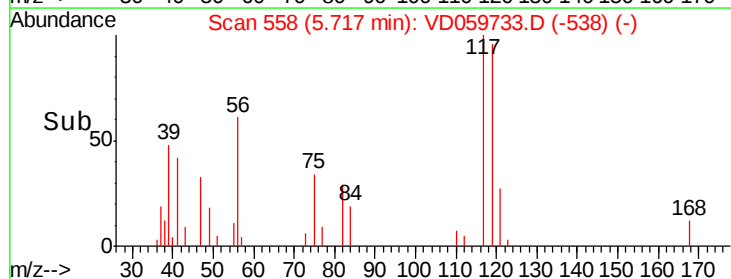
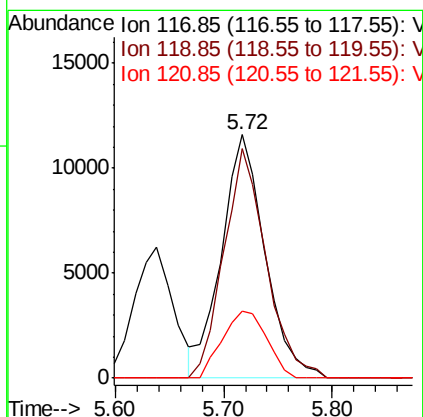
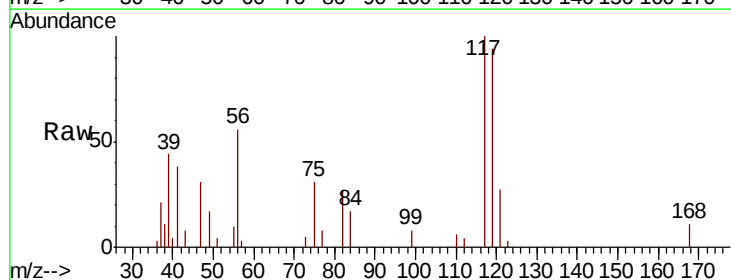
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

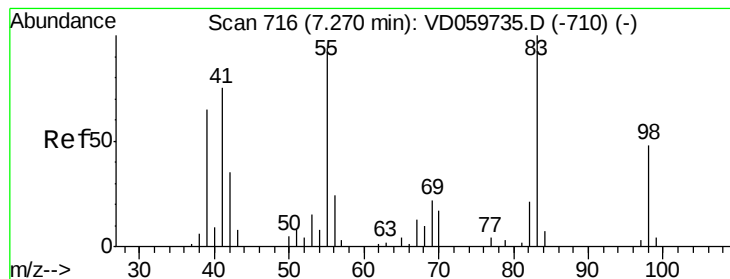
Tot Ion: 43 Resp: 7874
Ion Ratio Lower Upper
43 100
61 12.7 7.4 11.0#
70 0.0 5.8 8.8#



#38
Carbon Tetrachloride
Concen: 11.63 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 117 Resp: 32318
Ion Ratio Lower Upper
117 100
119 94.3 78.2 117.2
121 27.3 23.9 35.9





#39

Methylcyclohexane

Concen: 8.37 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

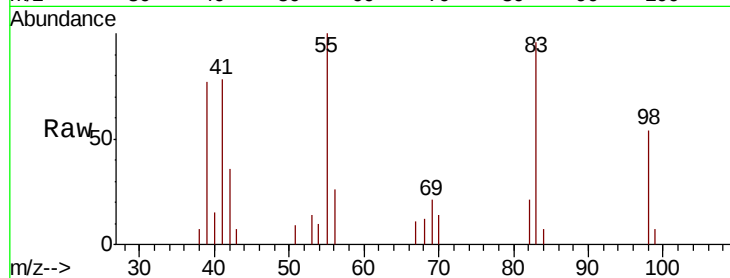
Tot Ion: 83 Resp: 13918

Ion Ratio Lower Upper

83 100

55 104.4 75.1 112.7

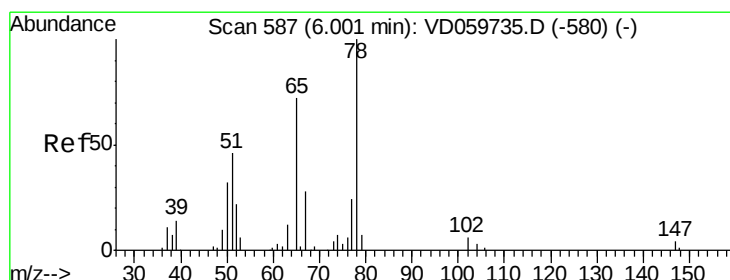
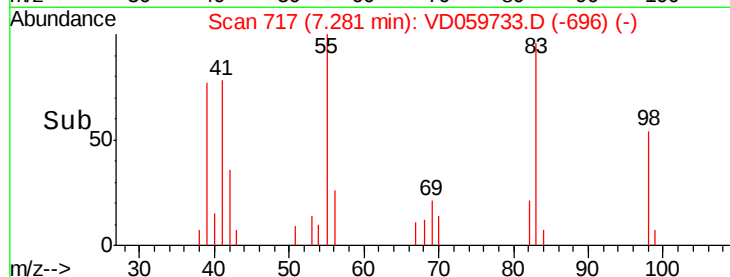
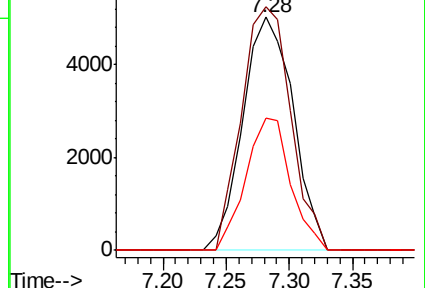
98 56.7 38.7 58.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 9.31 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD059733.D

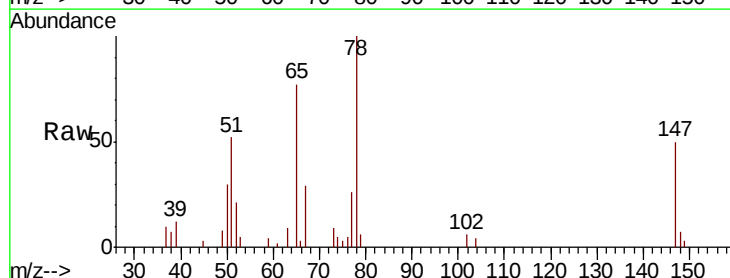
Acq: 10 Aug 2018 17:12

Tgt Ion: 78 Resp: 35728

Ion Ratio Lower Upper

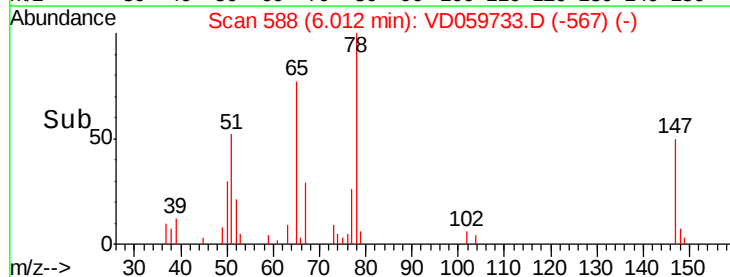
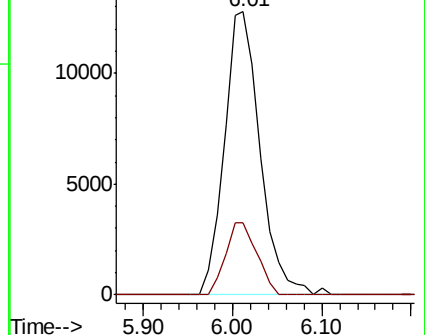
78 100

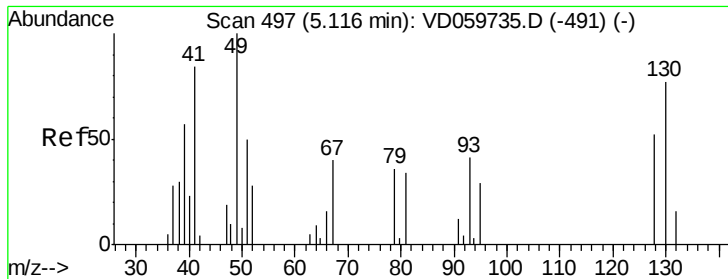
77 25.6 19.4 29.0



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 8.48 ug/l

RT: 5.12 min Scan# 497

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 3775

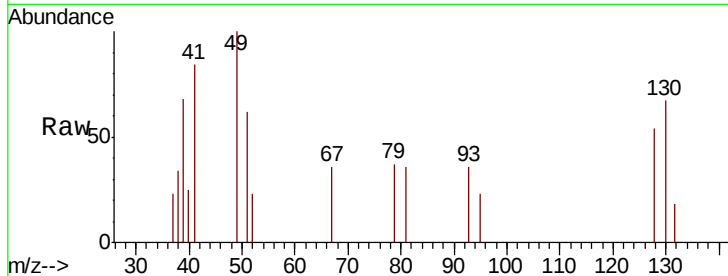
Ion Ratio Lower Upper

41 100

39 80.9 54.3 81.5

67 42.9 38.2 57.2

52 27.0 26.8 40.2

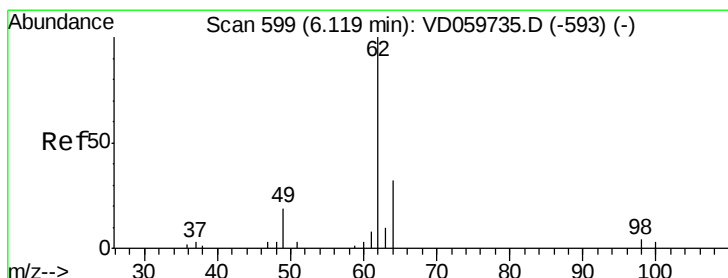
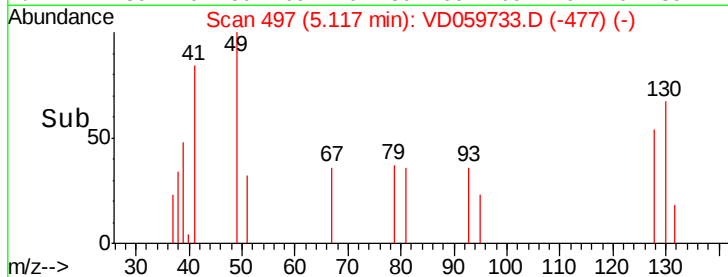
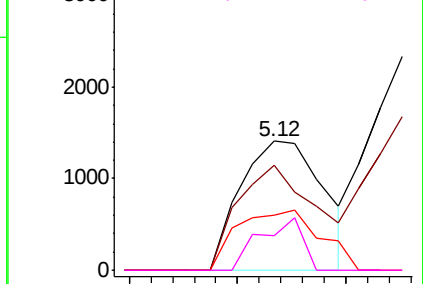


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 11.54 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059733.D

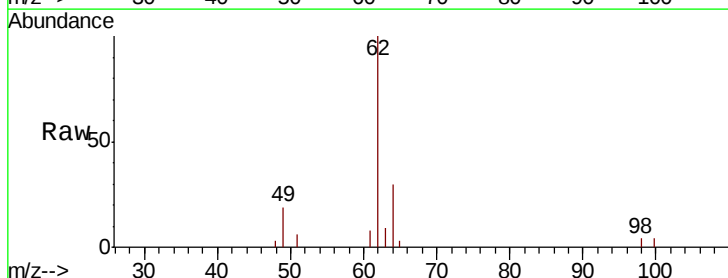
Acq: 10 Aug 2018 17:12

Tgt Ion: 62 Resp: 28816

Ion Ratio Lower Upper

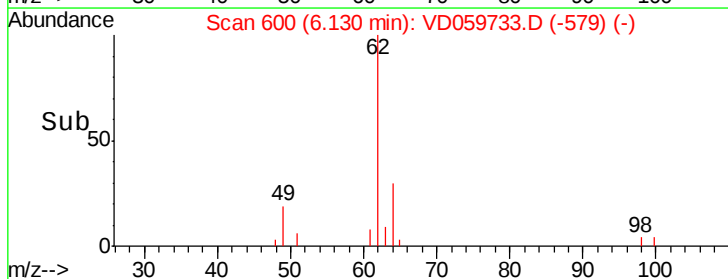
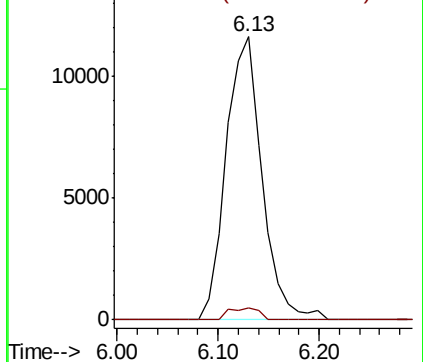
62 100

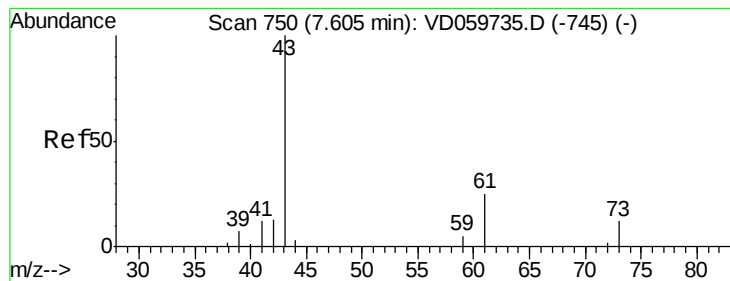
98 4.3 0.0 8.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 7.83 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

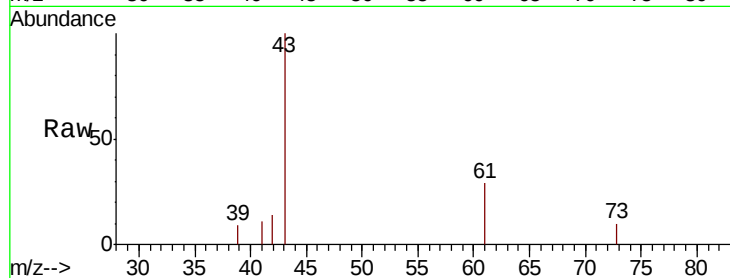
Tot Ion: 43 Resp: 9859

Ion Ratio Lower Upper

43 100

61 29.1 19.8 29.8

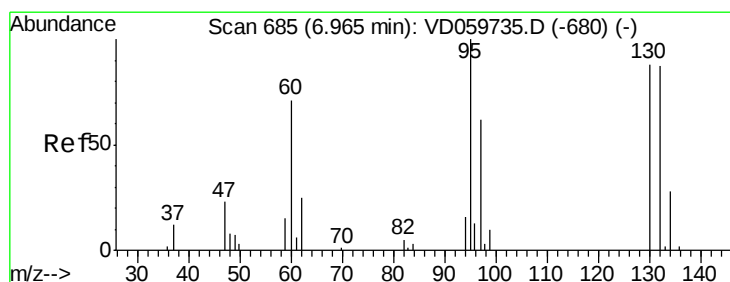
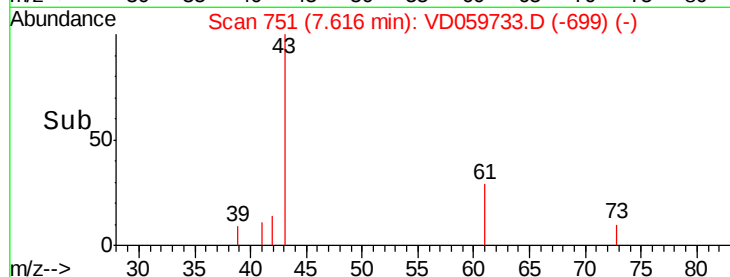
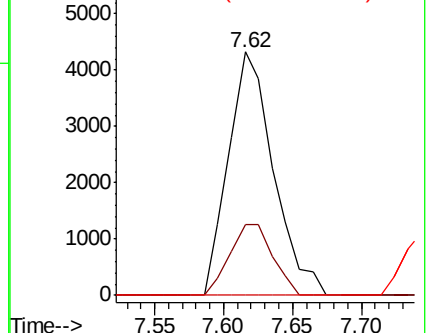
87 0.0 0.0 0.0



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: 9.87 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.02 min

Lab File: VD059733.D

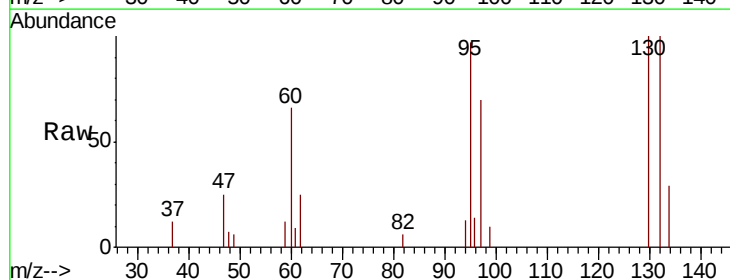
Acq: 10 Aug 2018 17:12

Tgt Ion: 130 Resp: 14149

Ion Ratio Lower Upper

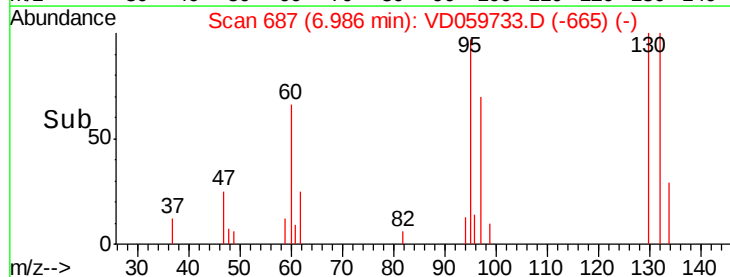
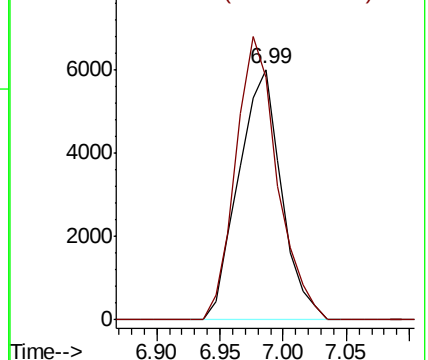
130 100

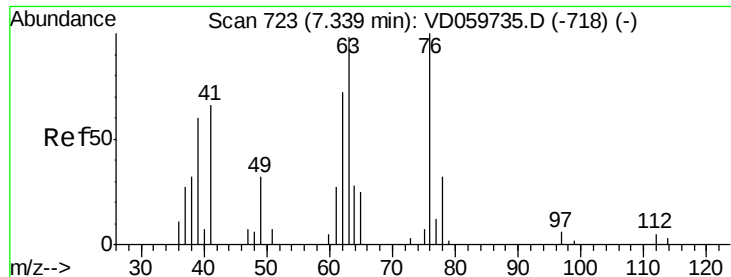
95 97.0 0.0 226.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 9.27 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

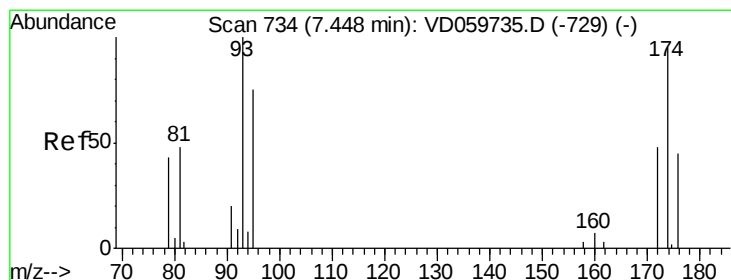
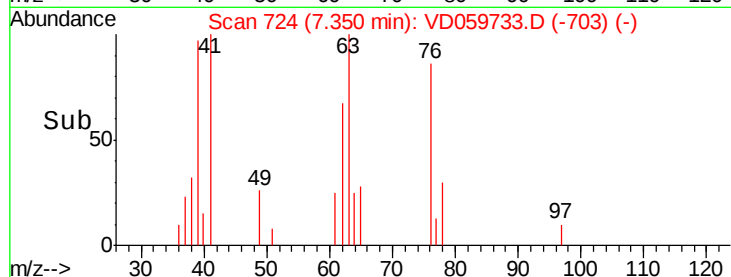
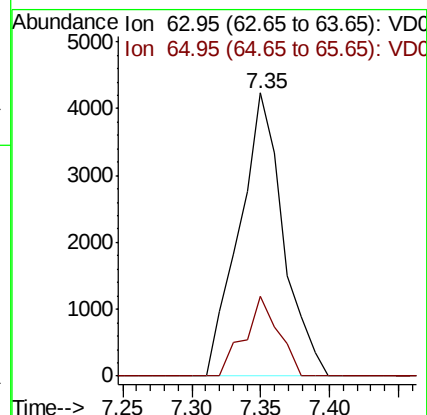
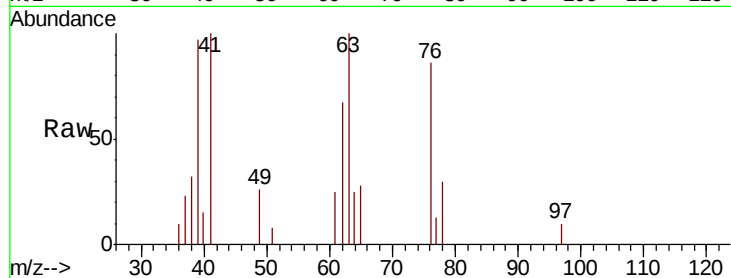
VSTDIC010

Tot Ion: 63 Resp: 9378

Ion Ratio Lower Upper

63 100

65 28.2 23.0 34.4



#46

Dibromomethane

Concen: 10.28 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

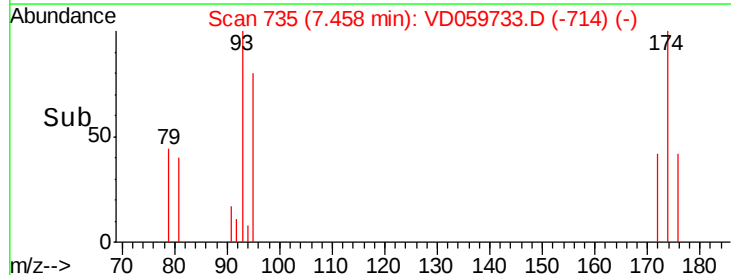
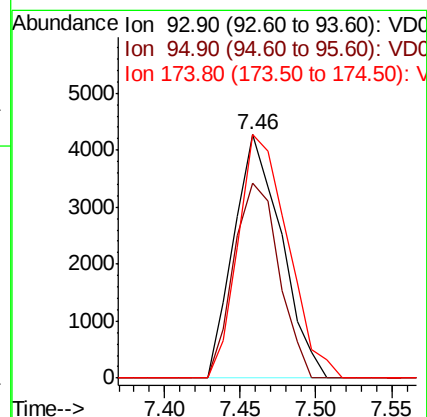
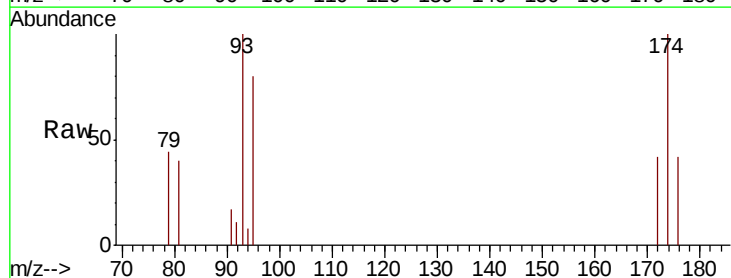
Tgt Ion: 93 Resp: 9309

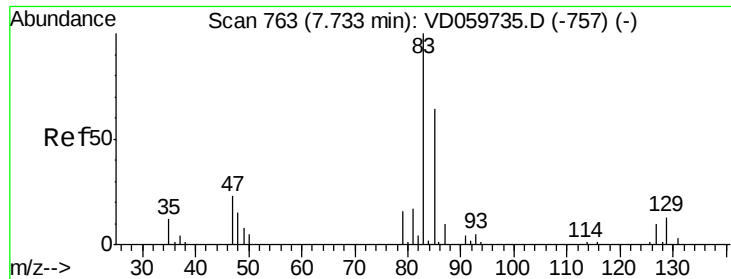
Ion Ratio Lower Upper

93 100

95 80.1 60.2 90.2

174 100.1 75.6 113.4





#47

Bromodichloromethane

Concen: 10.99 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

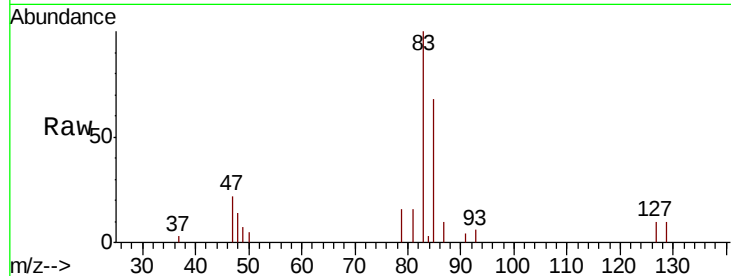
Tot Ion: 83 Resp: 25584

Ion Ratio Lower Upper

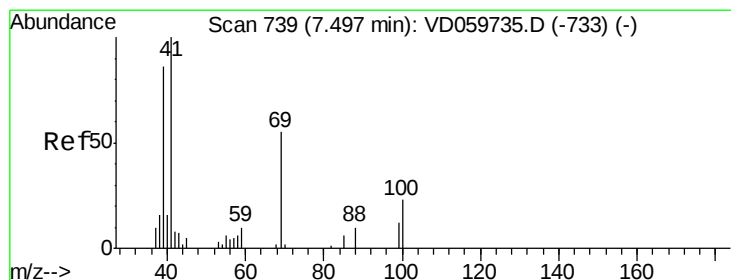
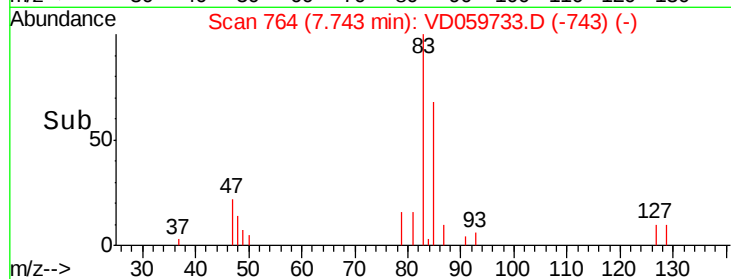
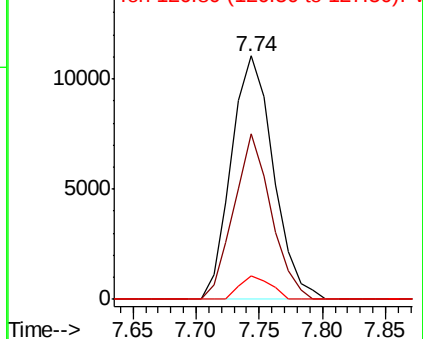
83 100

85 67.9 51.6 77.4

127 9.6 7.7 11.5



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: 8.69 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

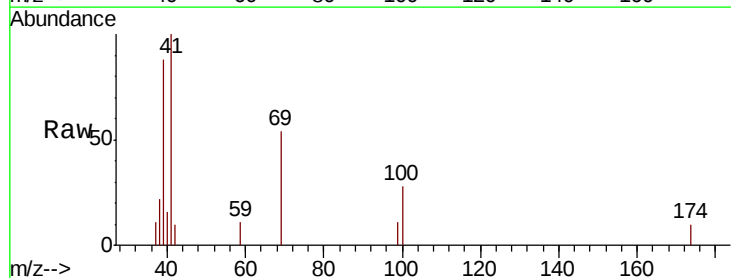
Tgt Ion: 41 Resp: 7375

Ion Ratio Lower Upper

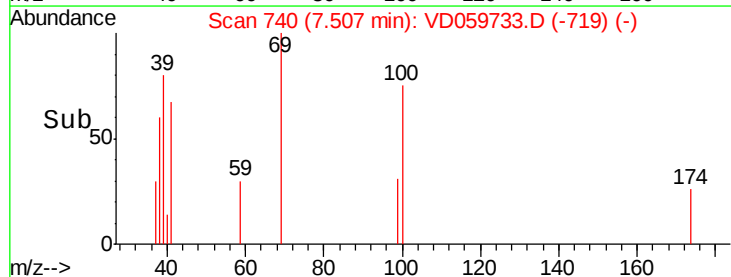
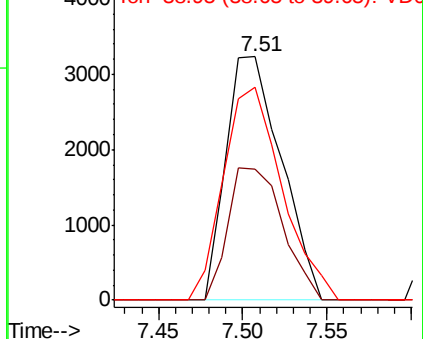
41 100

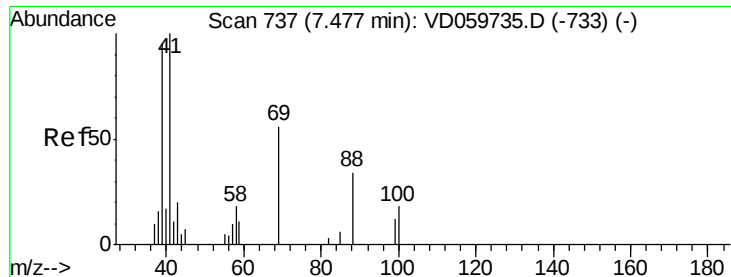
69 53.9 43.8 65.6

39 87.5 69.1 103.7



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

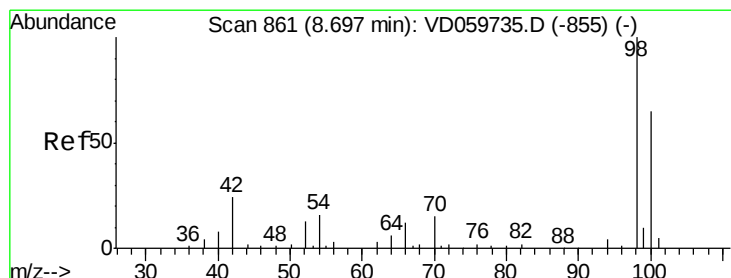
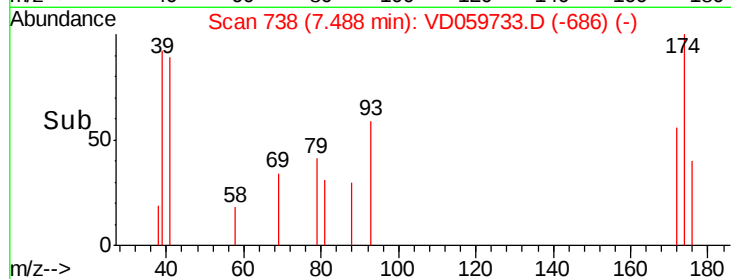
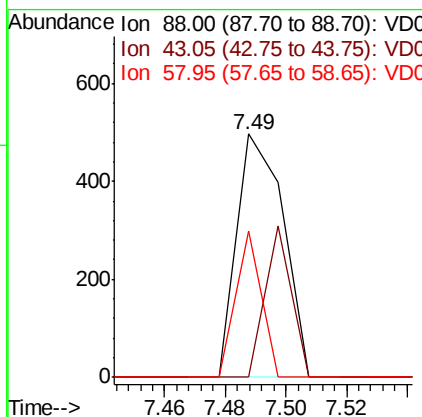
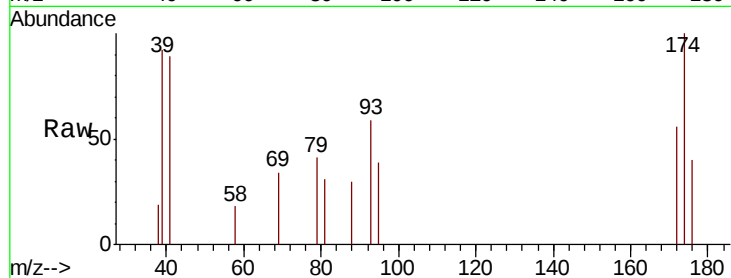




#49
 1,4-Dioxane
 Concen: 82.13 ug/l
 RT: 7.49 min Scan# 738
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

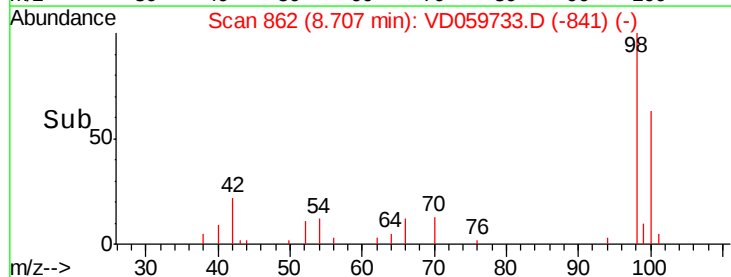
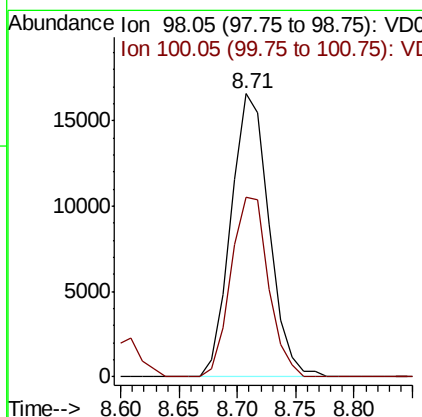
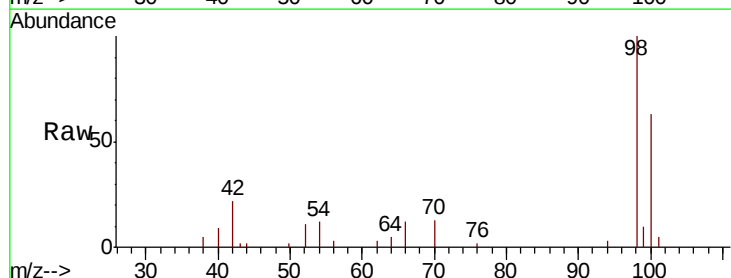
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

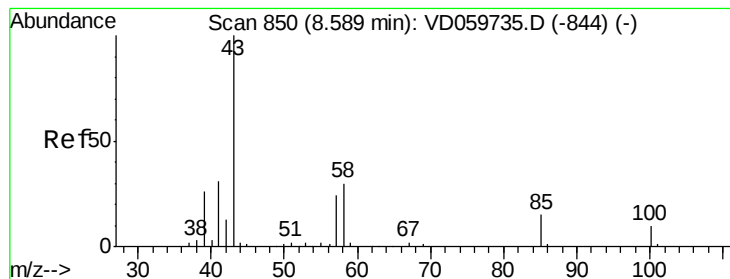
Tot Ion: 88 Resp: 529
 Ion Ratio Lower Upper
 88 100
 43 0.0 46.7 70.1#
 58 60.4 42.1 63.1



#50
 Toluene-d8
 Concen: 82.13 ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 98 Resp: 37507
 Ion Ratio Lower Upper
 98 100
 100 63.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 42.60 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

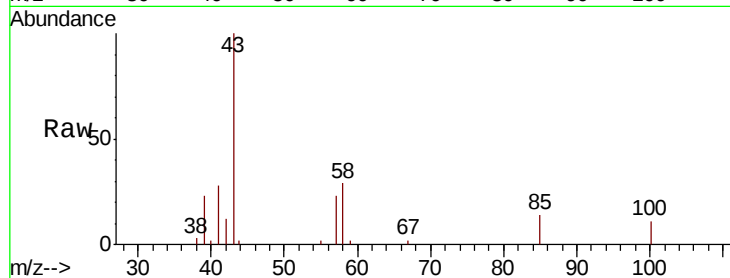
VSTDIC010

Tot Ion: 43 Resp: 39620

Ion Ratio Lower Upper

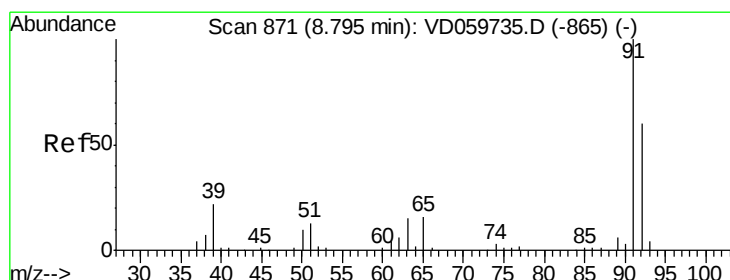
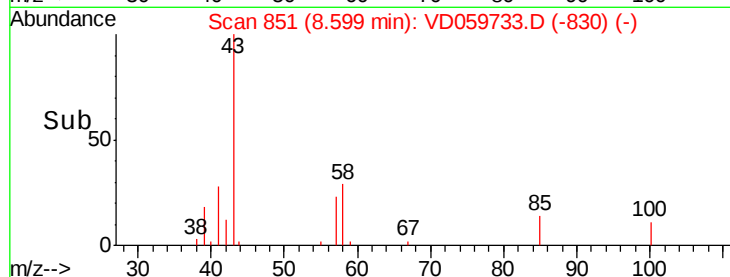
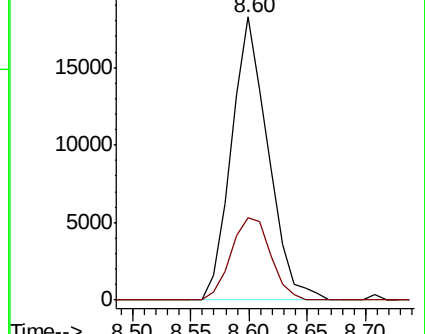
43 100

58 29.0 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 9.45 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059733.D

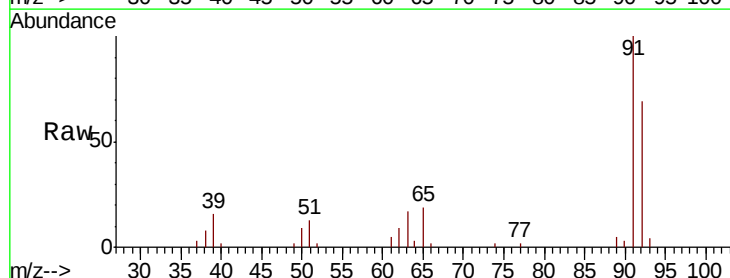
Acq: 10 Aug 2018 17:12

Tgt Ion: 92 Resp: 23222

Ion Ratio Lower Upper

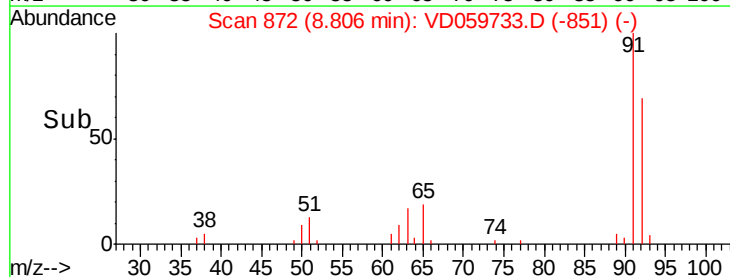
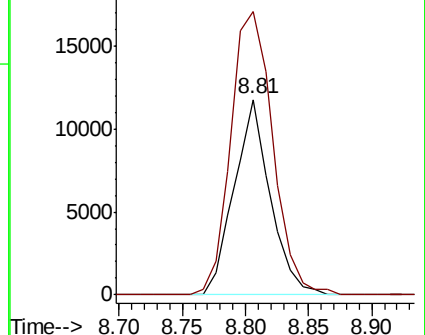
92 100

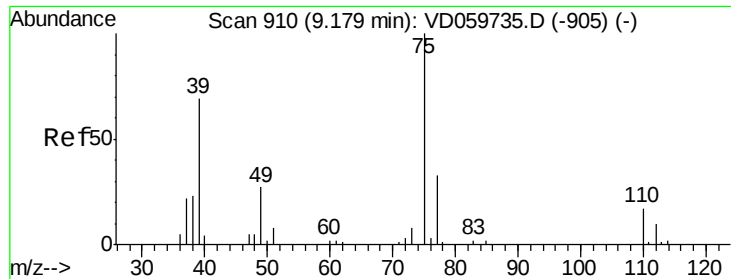
91 144.8 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

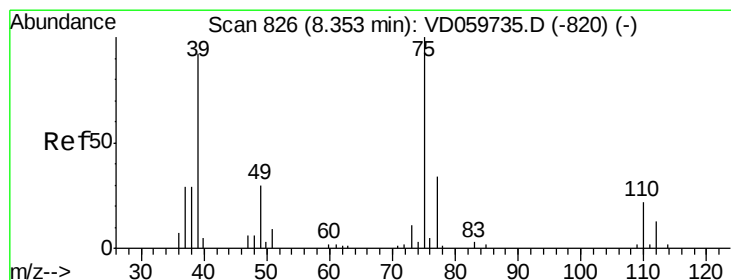
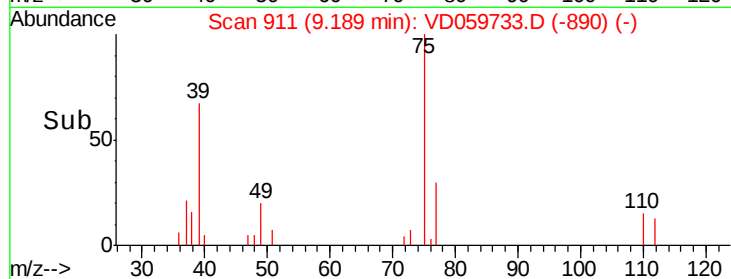
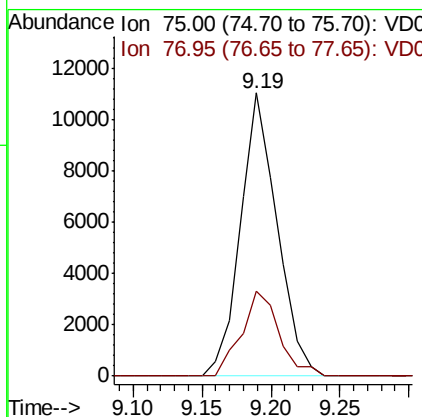
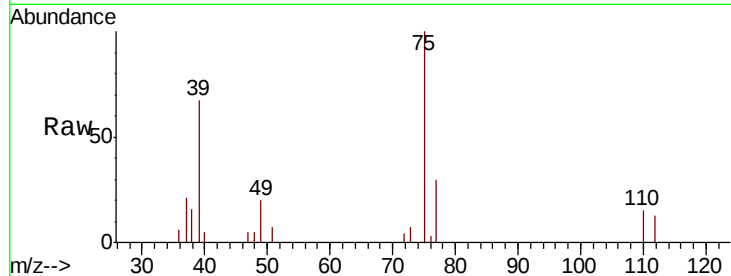




#53
 t-1,3-Dichloropropene
 Concen: 10.50 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

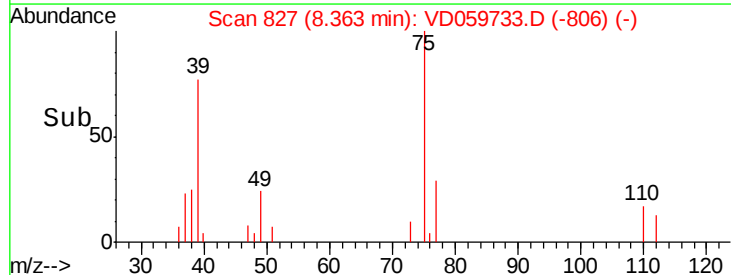
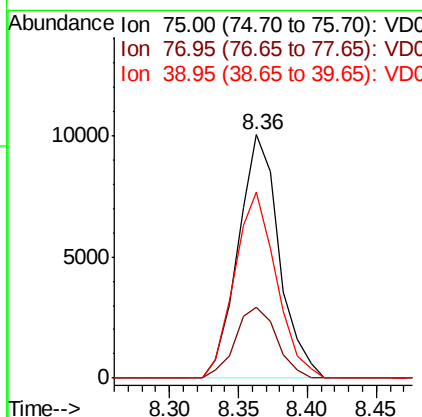
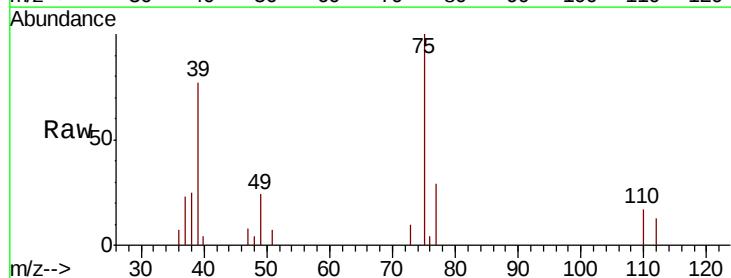
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

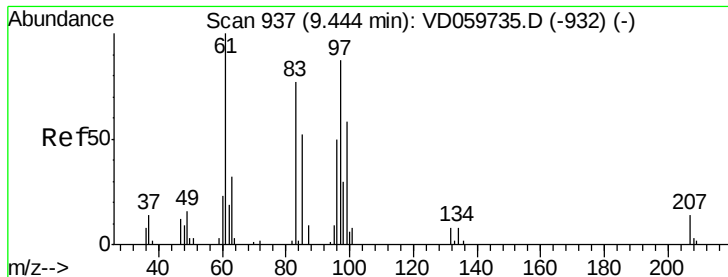
Tot Ion: 75 Resp: 20433
 Ion Ratio Lower Upper
 75 100
 77 29.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 10.55 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 75 Resp: 20801
 Ion Ratio Lower Upper
 75 100
 77 29.1 27.2 40.8
 39 76.6 73.8 110.8





#55

1,1,2-Trichloroethane

Concen: 9.24 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 8830

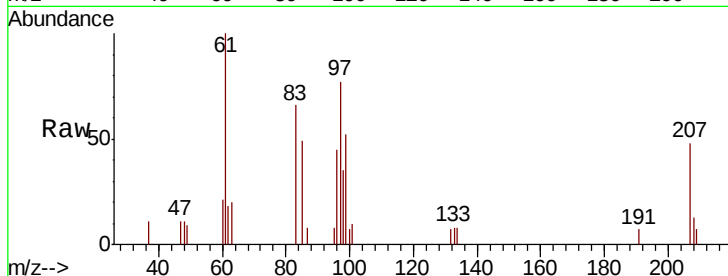
Ion Ratio Lower Upper

97 100

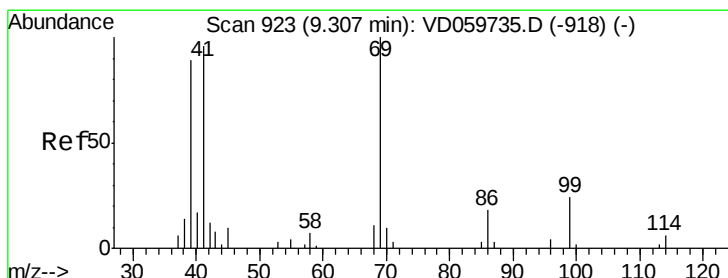
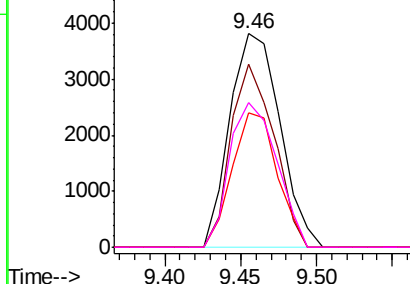
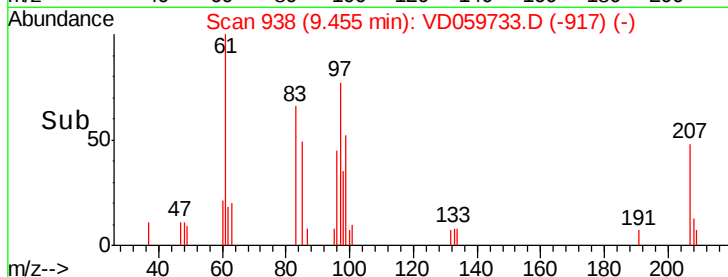
83 85.8 70.4 105.6

85 63.0 47.6 71.4

99 67.8 53.1 79.7



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



#56

Ethyl methacrylate

Concen: 12.03 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

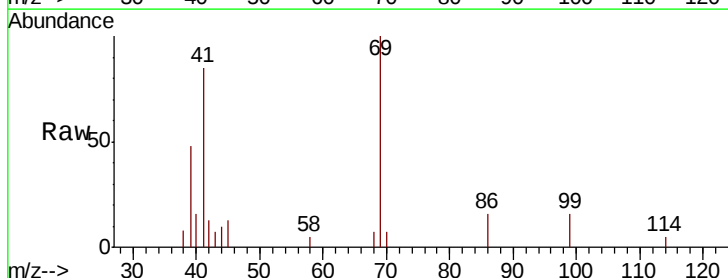
Tgt Ion: 69 Resp: 12564

Ion Ratio Lower Upper

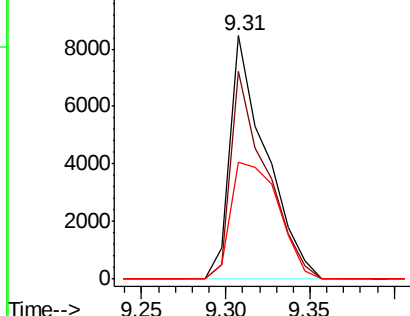
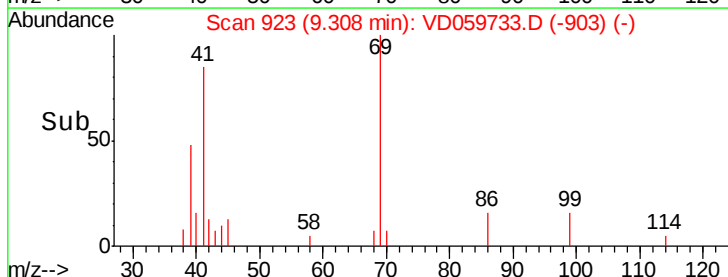
69 100

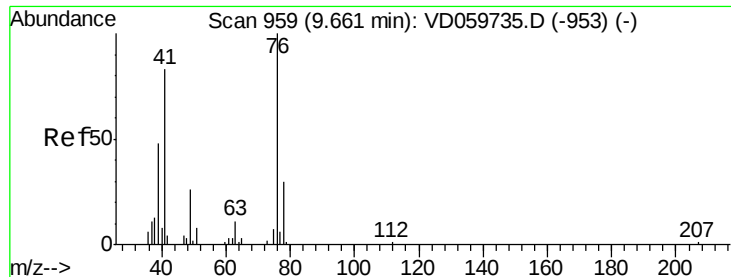
41 85.3 76.7 115.1

39 47.9 71.0 106.4#



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 10.47 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

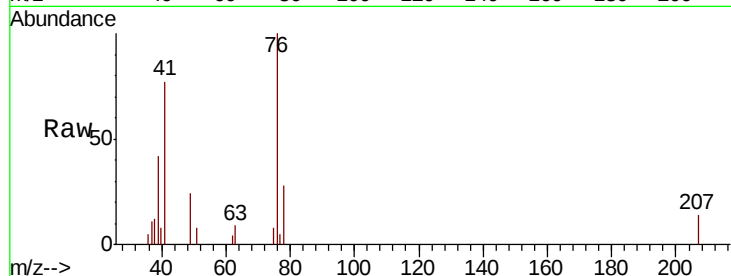
VSTDIC010

Tot Ion: 76 Resp: 15574

Ion Ratio Lower Upper

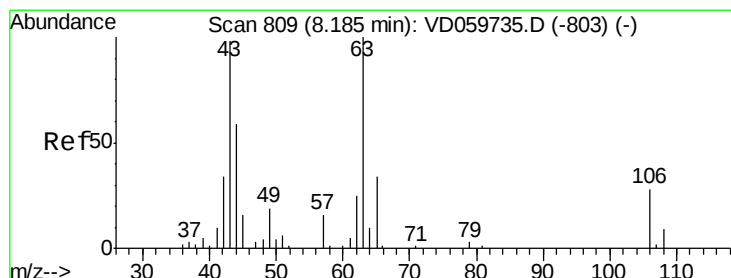
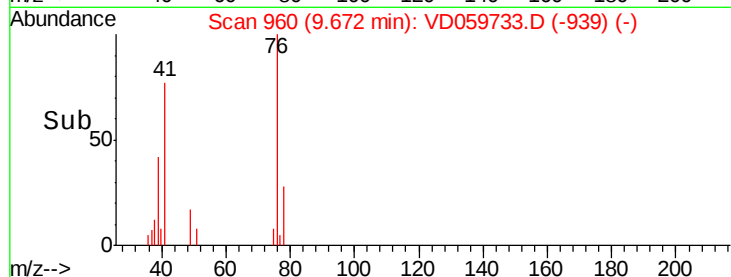
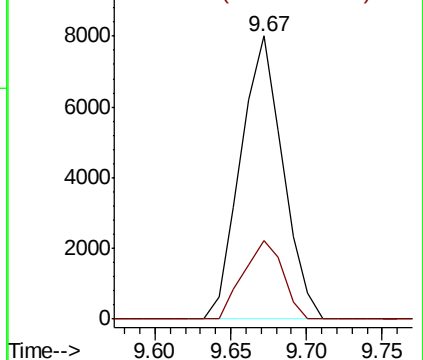
76 100

78 27.9 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 48.28 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD059733.D

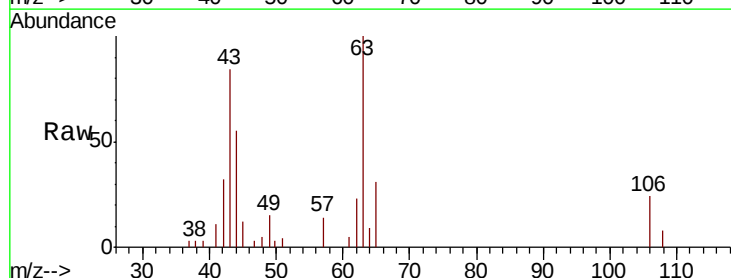
Acq: 10 Aug 2018 17:12

Tgt Ion: 63 Resp: 24269

Ion Ratio Lower Upper

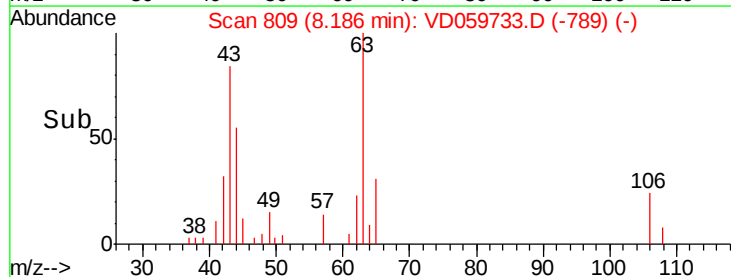
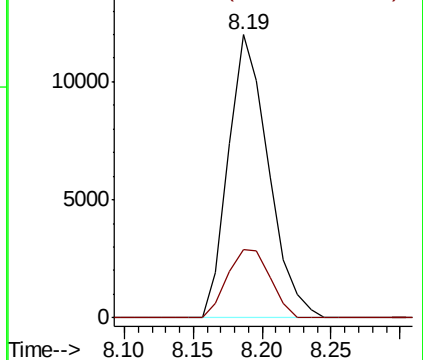
63 100

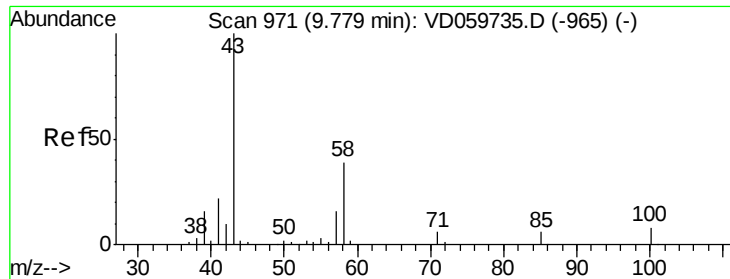
106 24.0 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

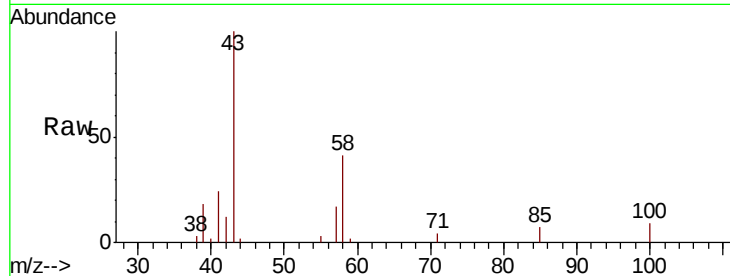




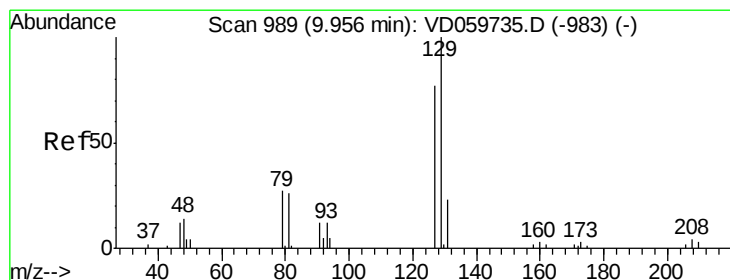
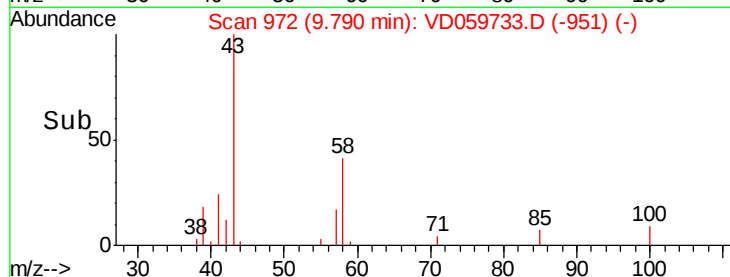
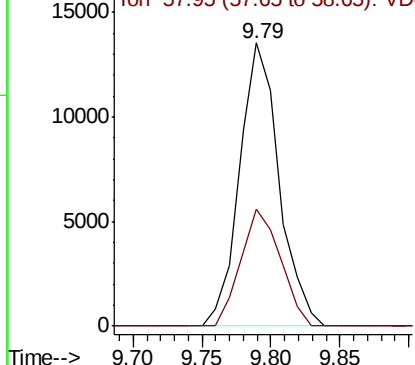
#59
2-Hexanone
Concen: 38.68 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 27042
Ion Ratio Lower Upper
43 100
58 41.3 19.8 59.3

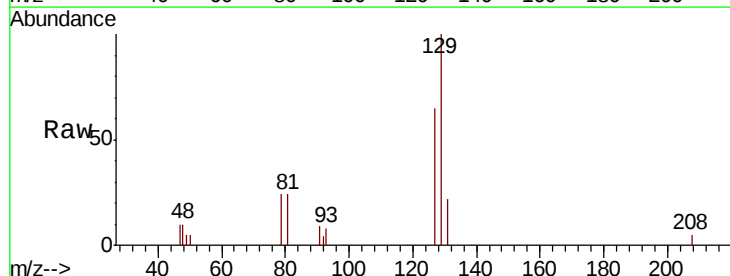


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

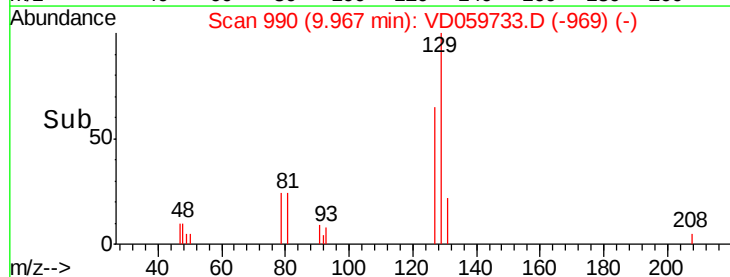
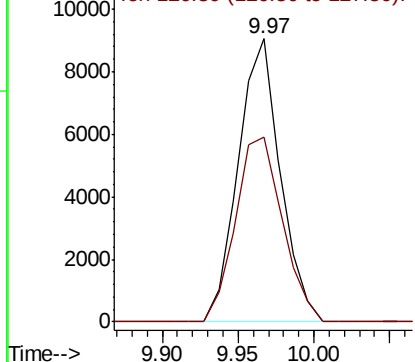


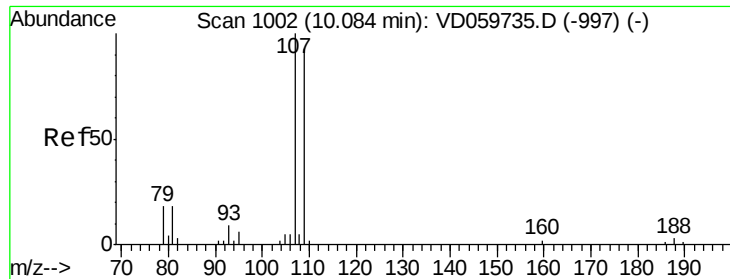
#60
Dibromochloromethane
Concen: 11.26 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 129 Resp: 17505
Ion Ratio Lower Upper
129 100
127 65.4 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

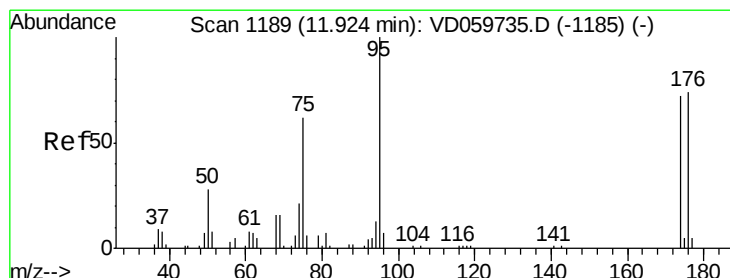
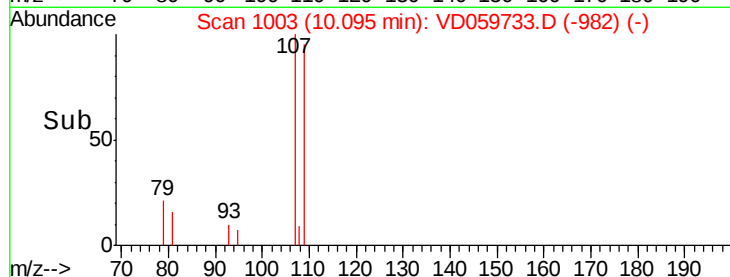
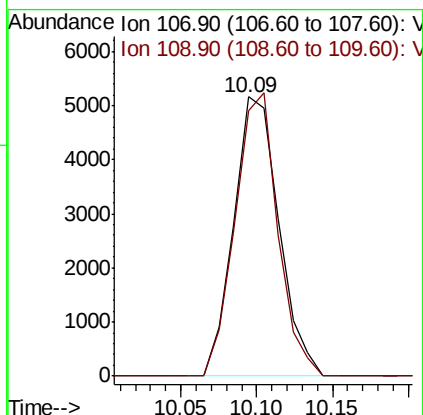
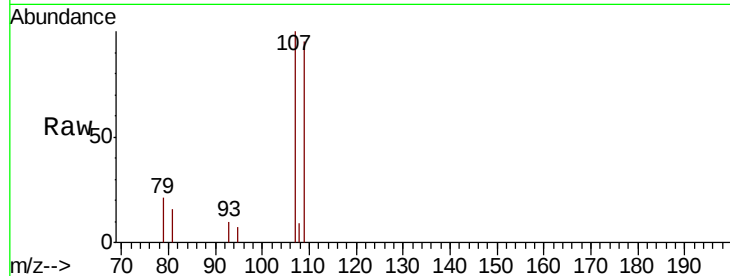




#61
 1,2-Dibromoethane
 Concen: 9.70 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

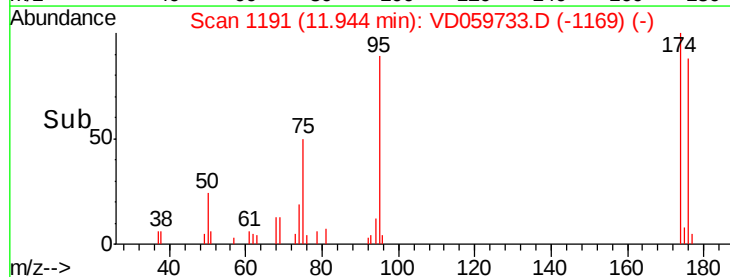
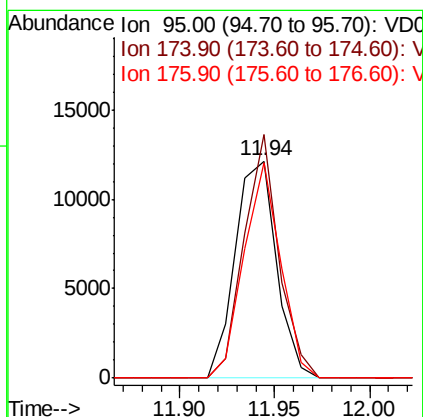
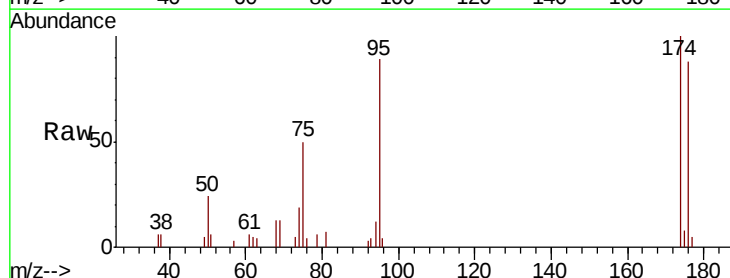
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

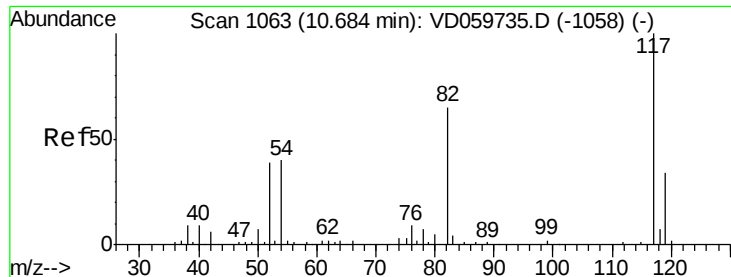
Tot Ion:107 Resp: 10706
 Ion Ratio Lower Upper
 107 100
 109 95.2 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 9.70 ug/l
 RT: 11.94 min Scan# 1191
 Delta R.T. 0.02 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 95 Resp: 18317
 Ion Ratio Lower Upper
 95 100
 174 112.3 0.0 143.2
 176 99.1 0.0 147.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

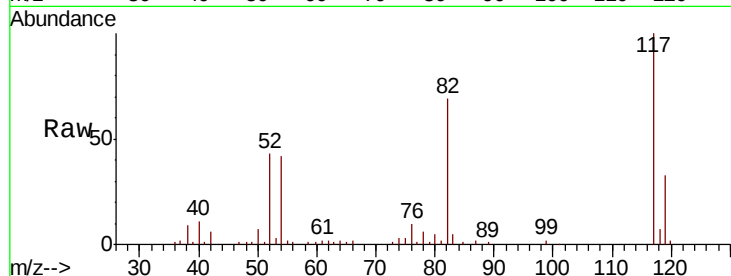
Tot Ion:117 Resp: 140589

Ion Ratio Lower Upper

117 100

82 68.5 51.9 77.9

119 33.4 27.4 41.0

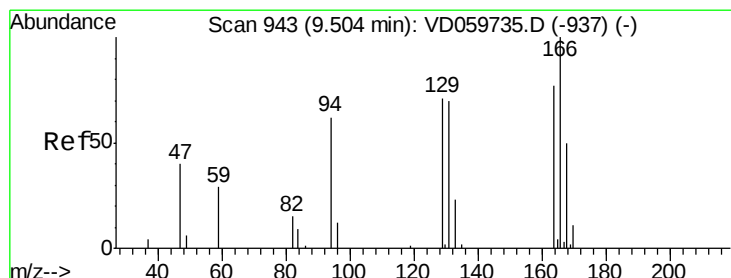
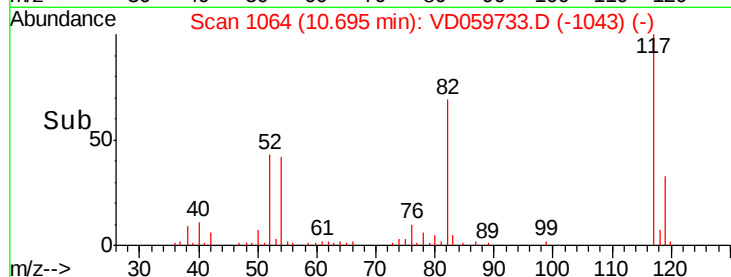
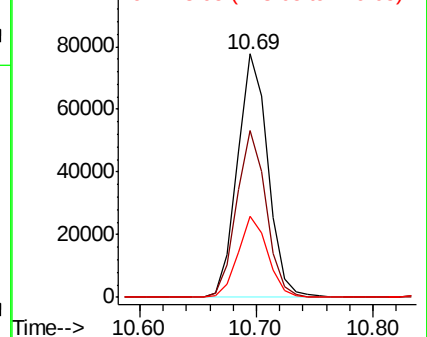


Abundance

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: 10.77 ug/l

RT: 9.51 min Scan# 944

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Tgt Ion:164 Resp: 14391

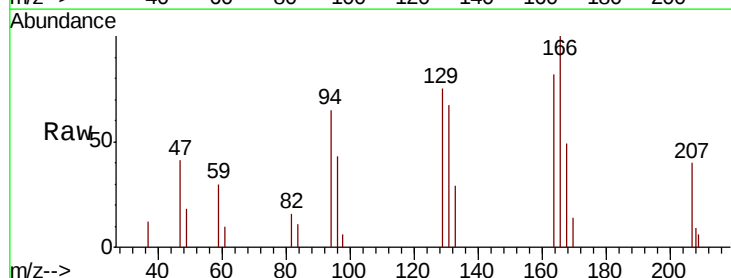
Ion Ratio Lower Upper

164 100

166 121.8 103.5 155.3

129 91.0 73.5 110.3

131 82.1 72.3 108.5



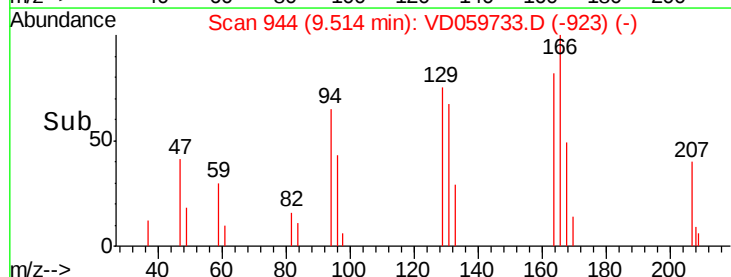
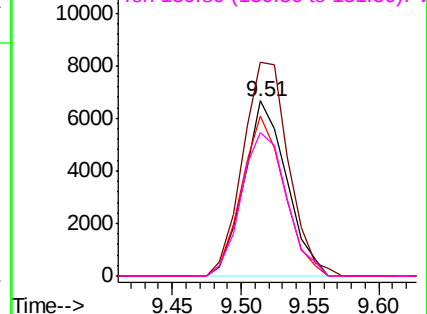
Abundance

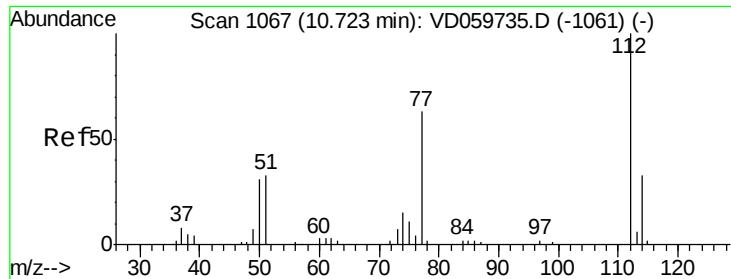
Ion 163.85 (163.55 to 164.55): V

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

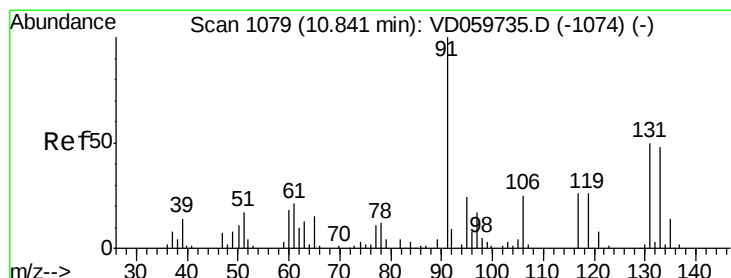
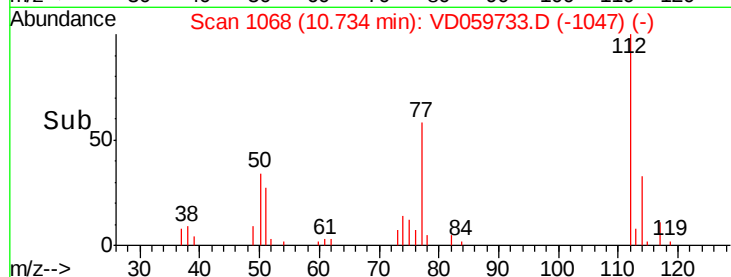
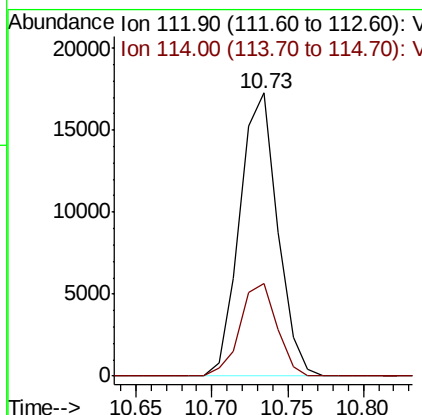
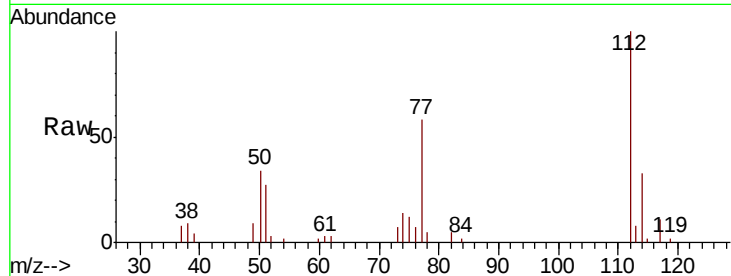




#65
Chlorobenzene
Concen: 10.18 ug/l
RT: 10.73 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

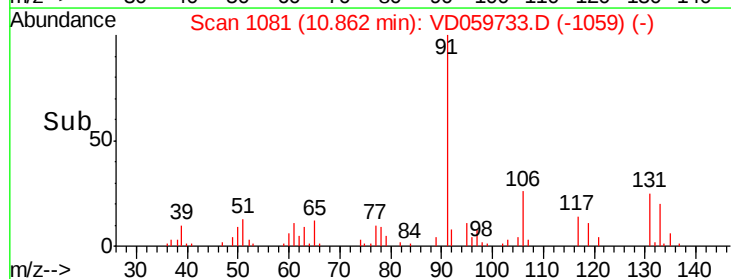
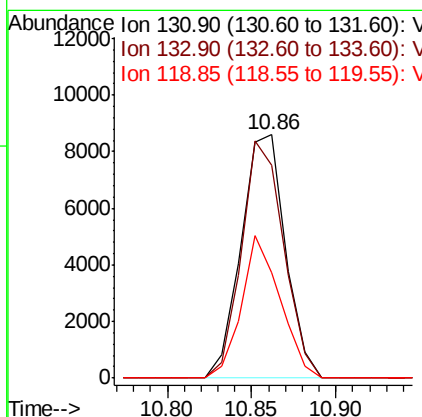
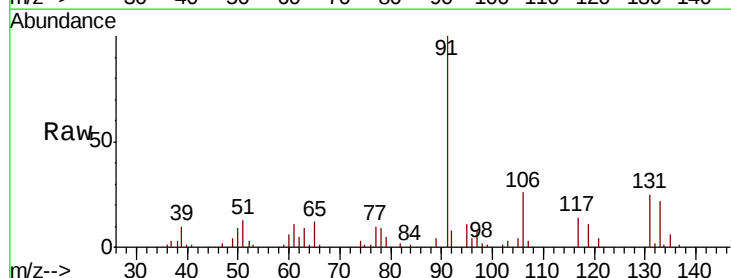
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

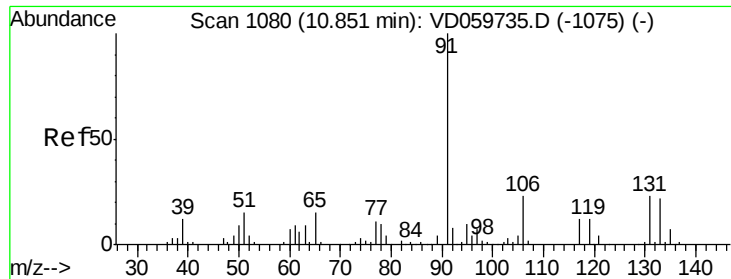
Tot Ion:112 Resp: 30098
Ion Ratio Lower Upper
112 100
114 32.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 11.74 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.02 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion:131 Resp: 15667
Ion Ratio Lower Upper
131 100
133 87.7 48.1 144.3
119 43.0 26.2 78.5

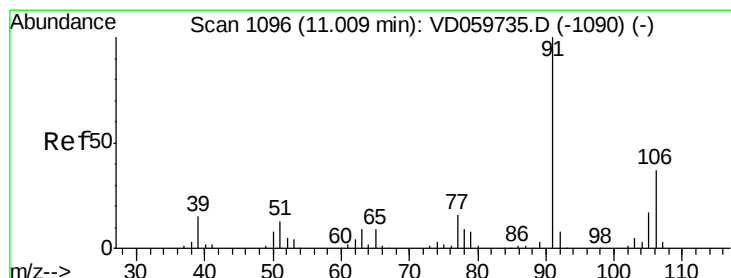
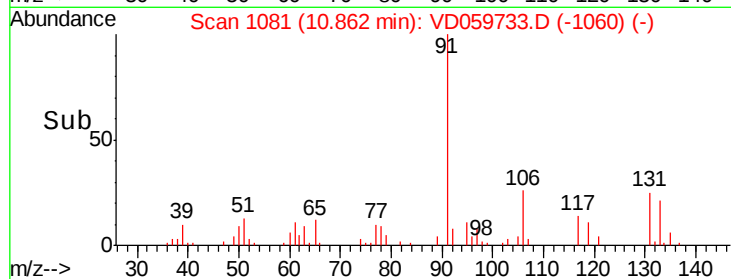
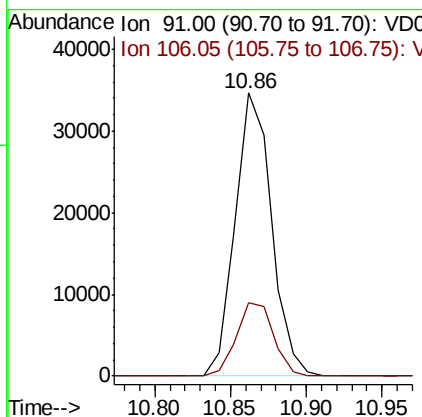
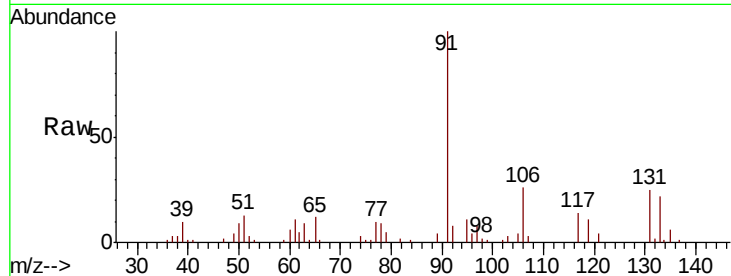




#67
Ethyl Benzene
Concen: 10.77 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

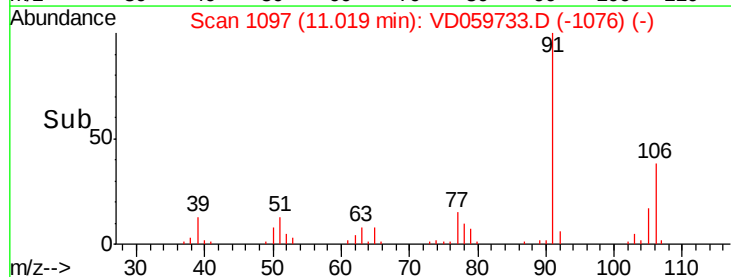
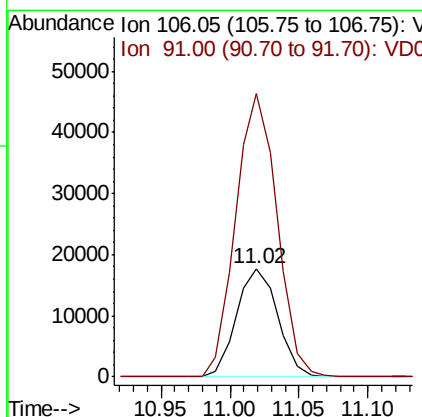
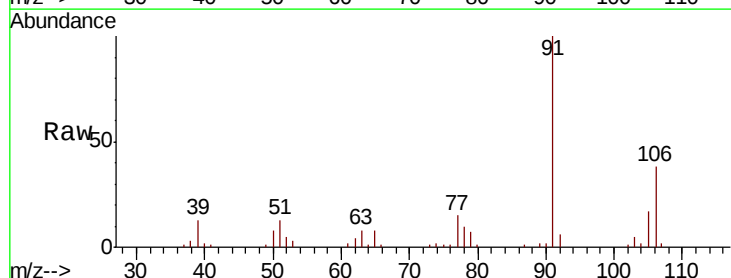
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

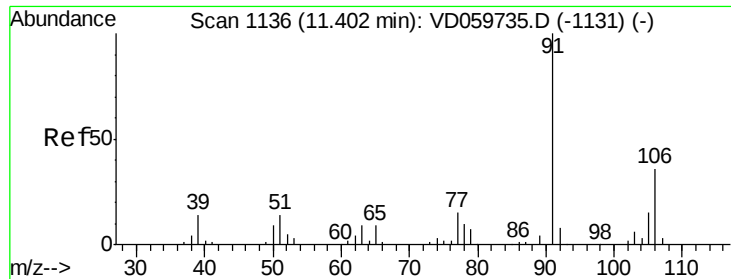
Tot Ion: 91 Resp: 57675
Ion Ratio Lower Upper
91 100
106 25.8 18.8 28.2



#68
m/p-Xylenes
Concen: 21.63 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 106 Resp: 36695
Ion Ratio Lower Upper
106 100
91 261.1 213.8 320.8

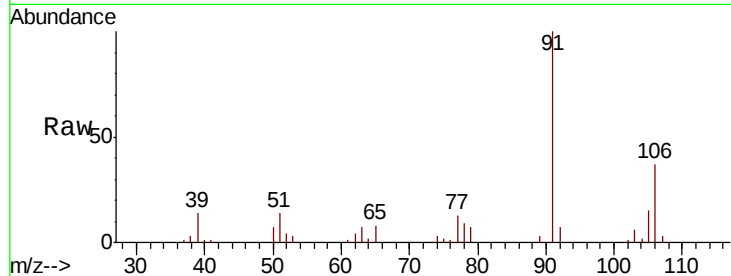




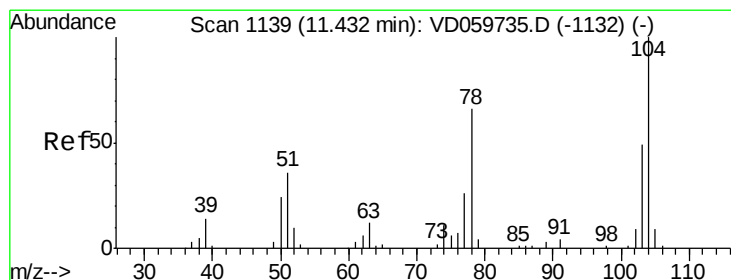
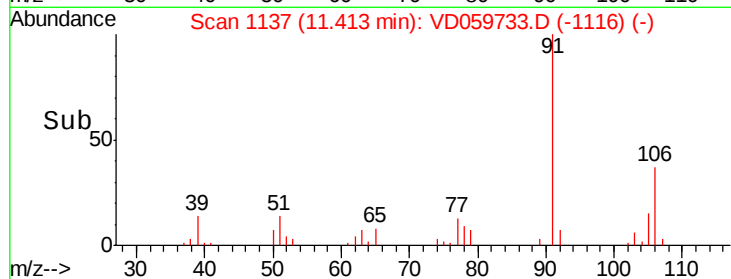
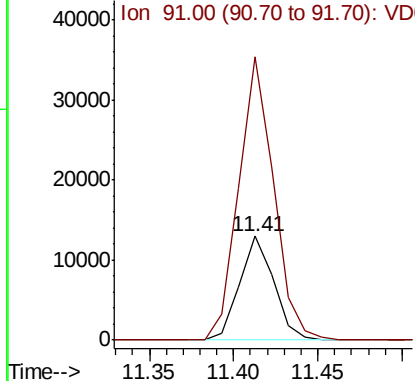
#69
o-Xylene
Concen: 11.01 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion:106 Resp: 18254
Ion Ratio Lower Upper
106 100
91 272.8 139.8 419.4

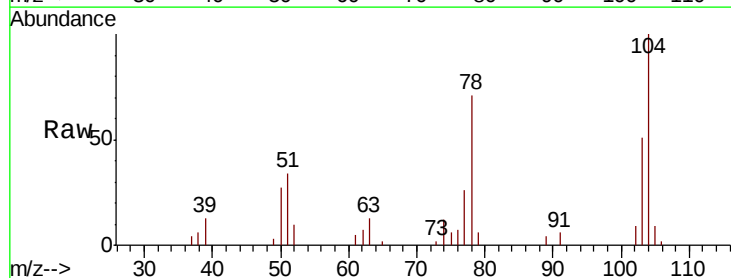


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

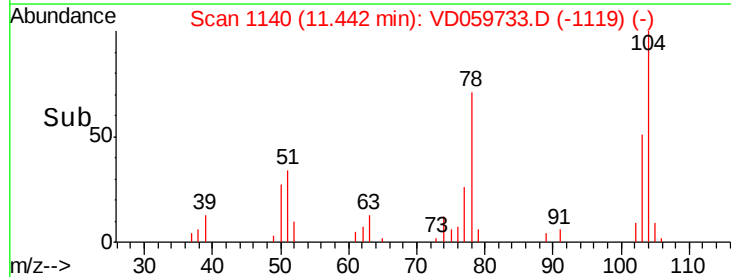
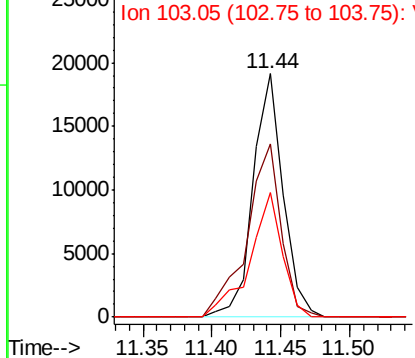


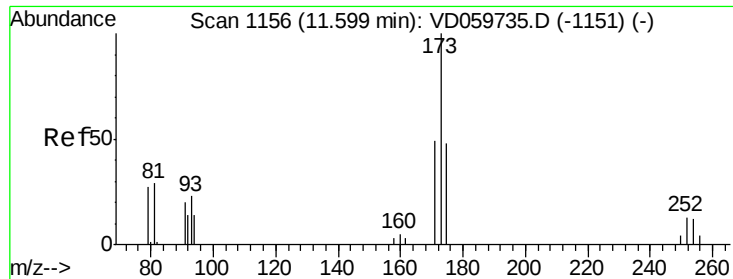
#70
Styrene
Concen: 10.50 ug/l
RT: 11.44 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion:104 Resp: 29108
Ion Ratio Lower Upper
104 100
78 71.3 52.8 79.2
103 51.2 39.1 58.7



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





#71

Bromoform

Concen: 10.37 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

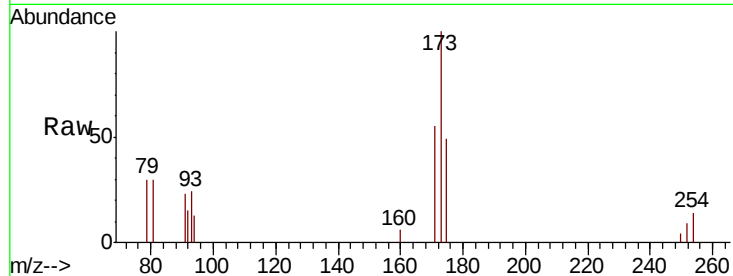
Tot Ion:173 Resp: 10435

Ion Ratio Lower Upper

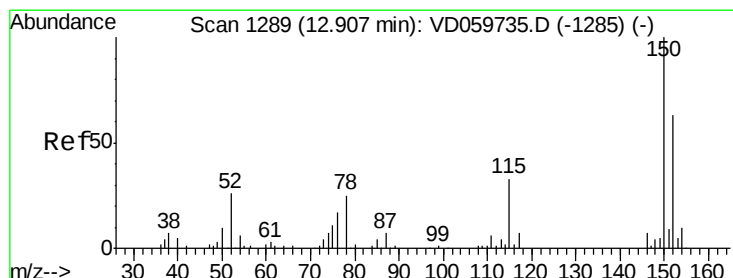
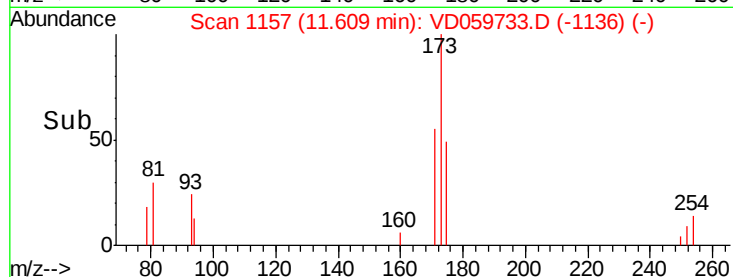
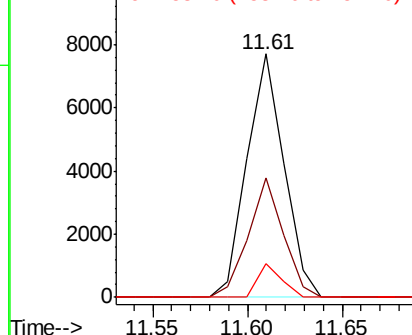
173 100

175 48.9 24.1 72.2

254 14.1 9.3 13.9#



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: 50.00 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

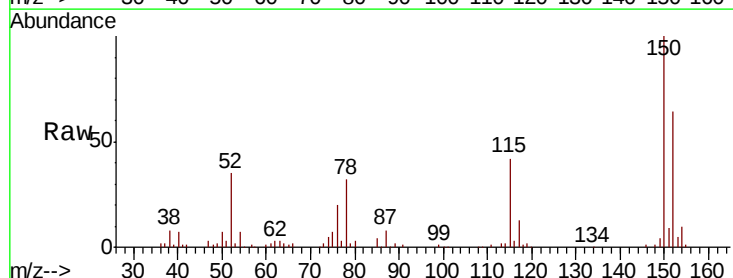
Tgt Ion:152 Resp: 85306

Ion Ratio Lower Upper

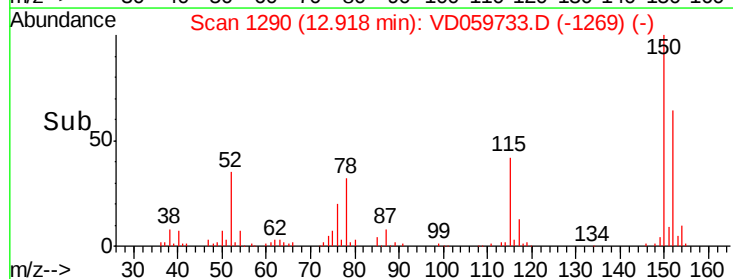
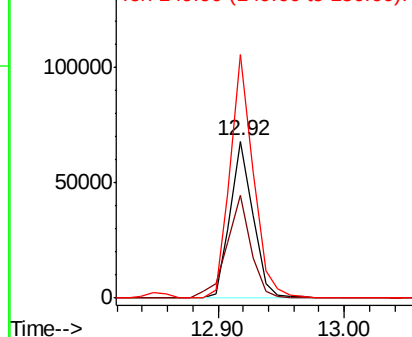
152 100

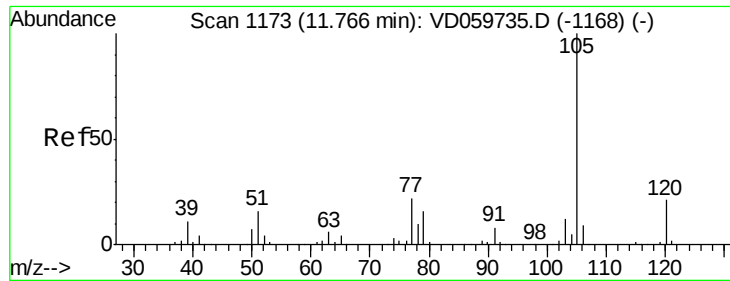
115 65.6 29.8 89.3

150 155.5 0.0 320.4



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: 10.23 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

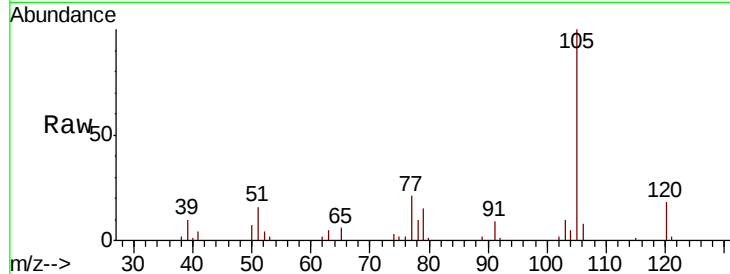
VSTDIC010

Tot Ion:105 Resp: 57866

Ion Ratio Lower Upper

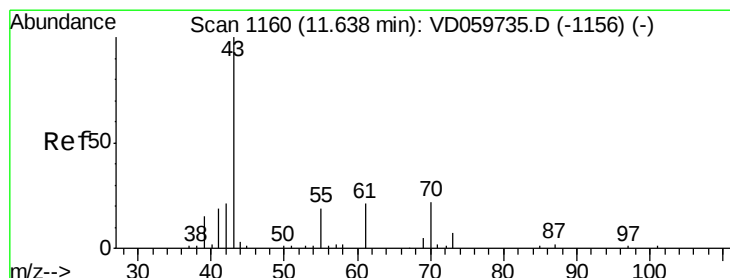
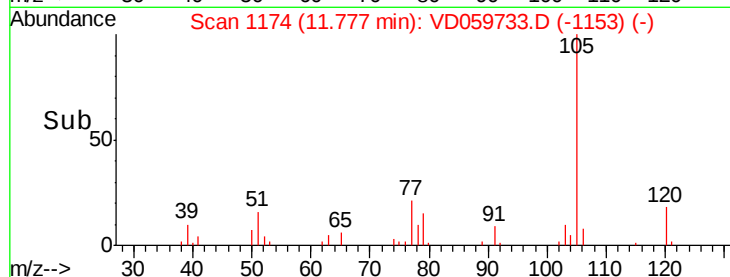
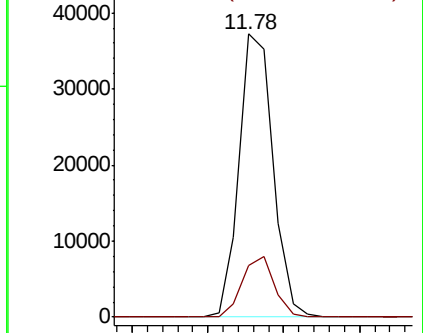
105 100

120 18.3 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 8.53 ug/l

RT: 11.66 min Scan# 1162

Delta R.T. 0.02 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Tgt Ion: 43 Resp: 15220

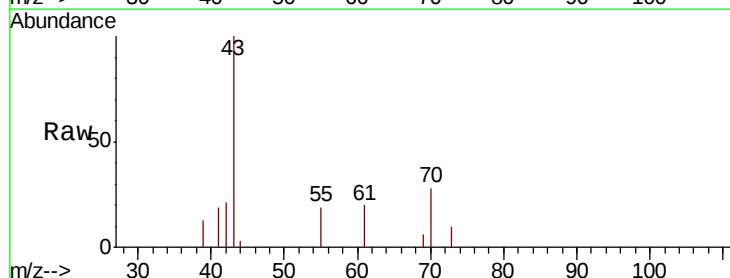
Ion Ratio Lower Upper

43 100

70 27.9 18.0 27.0#

55 19.4 14.8 22.2

61 20.1 17.1 25.7

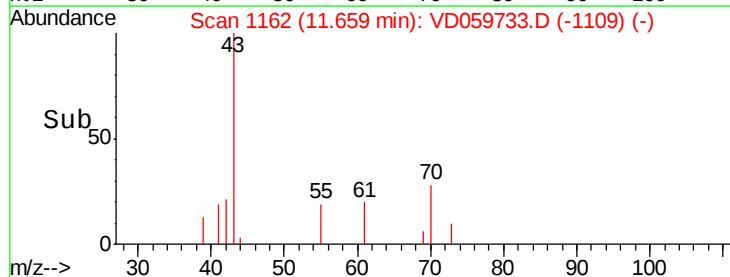
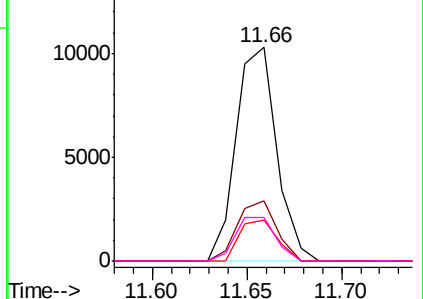


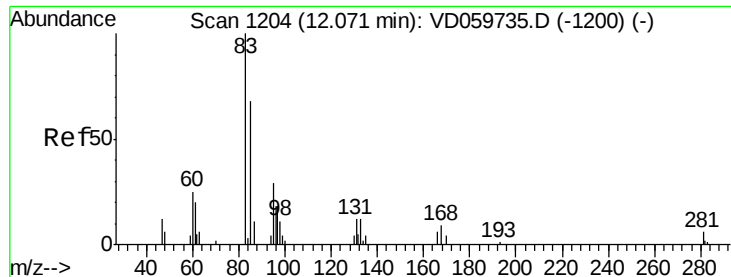
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 8.33 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

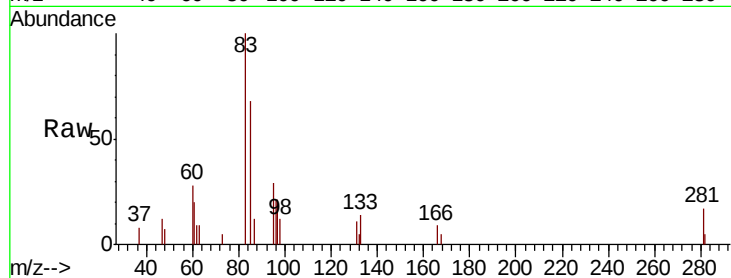
Tot Ion: 83 Resp: 9403

Ion Ratio Lower Upper

83 100

131 11.4 6.3 19.1

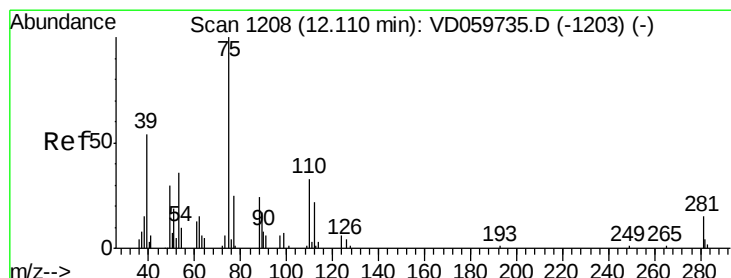
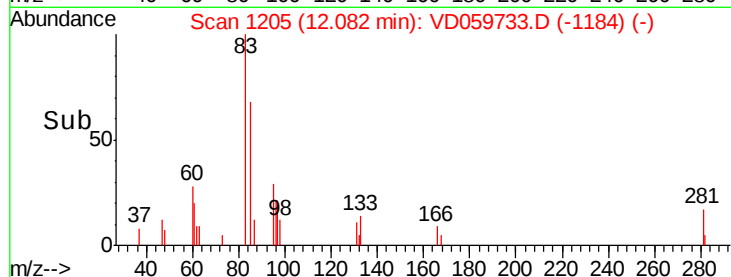
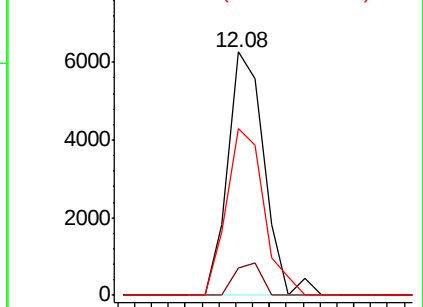
85 68.5 34.2 102.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 8.69 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059733.D

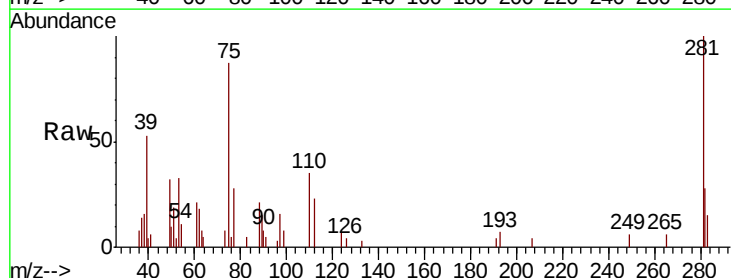
Acq: 10 Aug 2018 17:12

Tgt Ion: 75 Resp: 11399

Ion Ratio Lower Upper

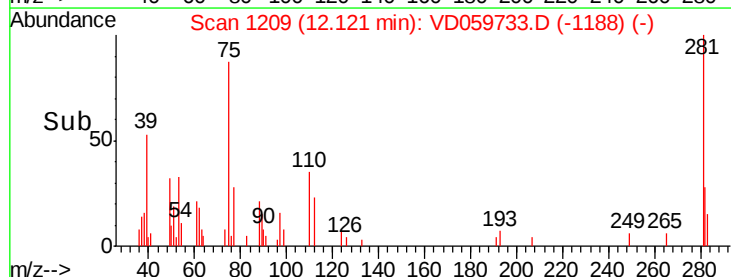
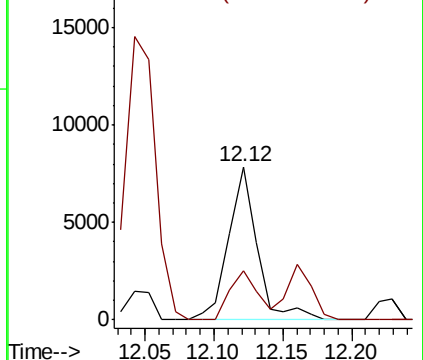
75 100

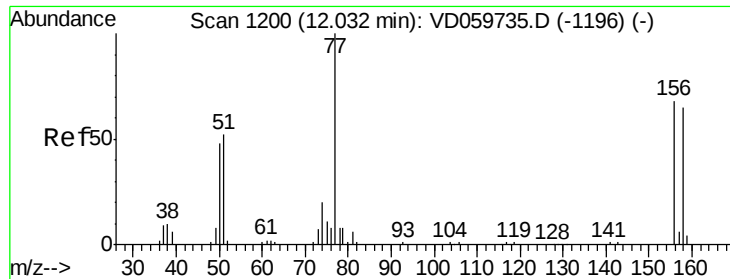
77 31.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 10.46 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

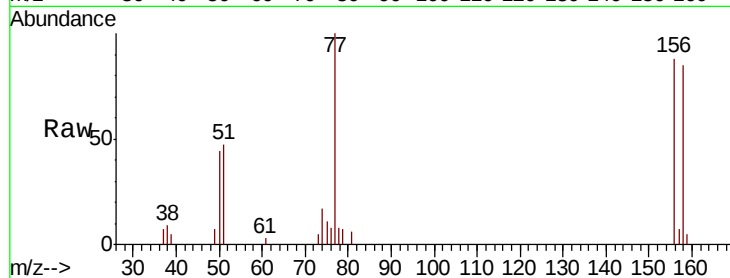
Tot Ion:156 Resp: 17301

Ion Ratio Lower Upper

156 100

77 113.6 73.3 219.8

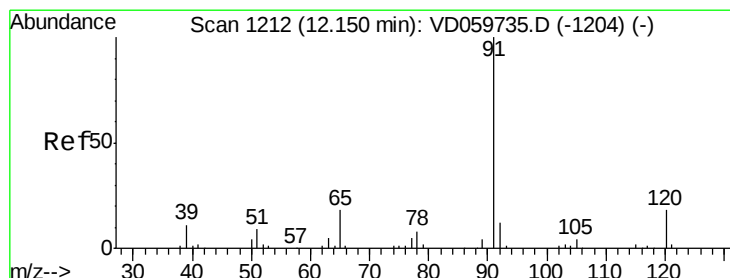
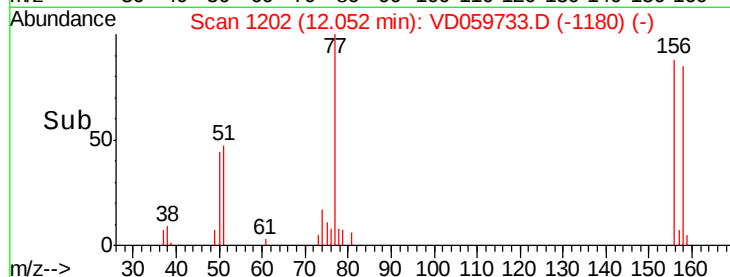
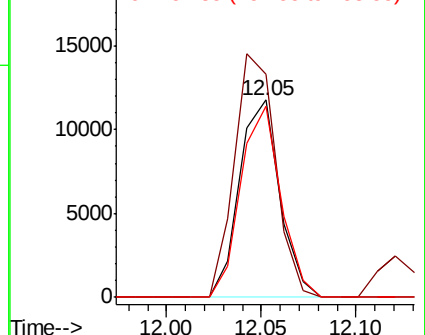
158 96.9 47.5 142.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 9.76 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059733.D

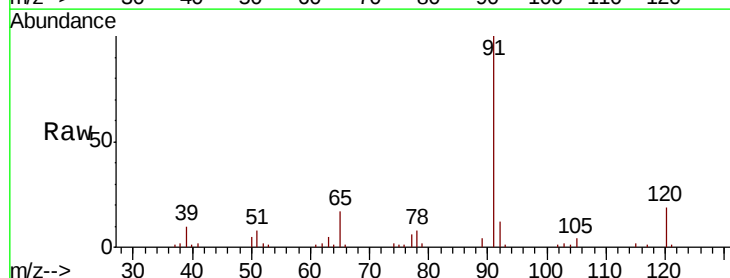
Acq: 10 Aug 2018 17:12

Tgt Ion: 91 Resp: 68325

Ion Ratio Lower Upper

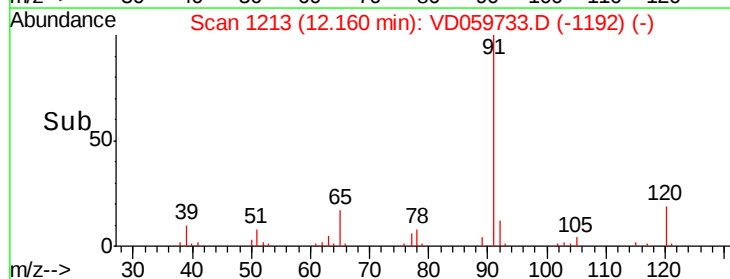
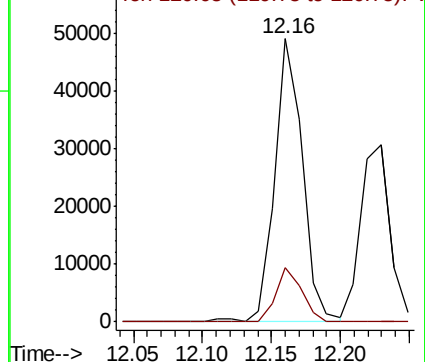
91 100

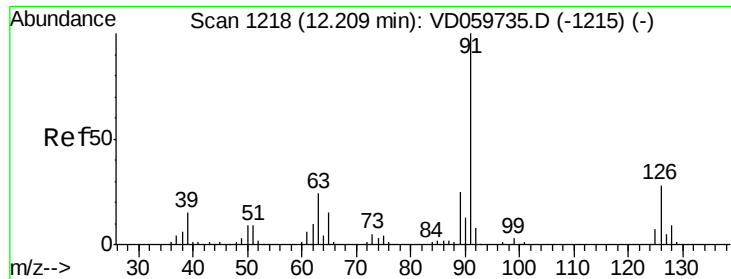
120 19.2 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

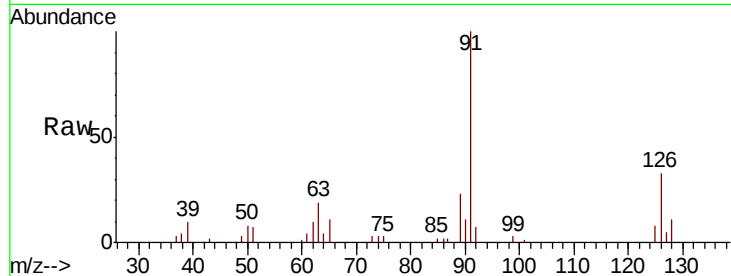




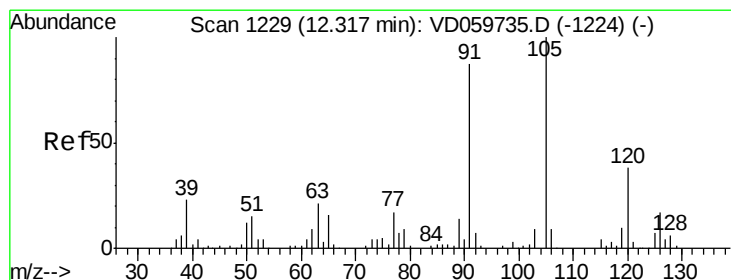
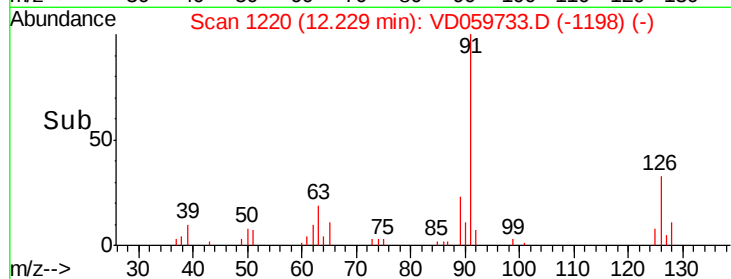
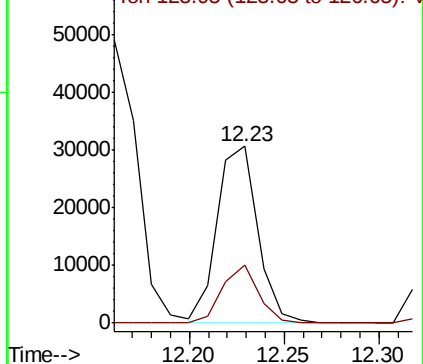
#79
 2-Chlorotoluene
 Concen: 10.69 ug/l
 RT: 12.23 min Scan# 1220
 Delta R.T. 0.02 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 45408
 Ion Ratio Lower Upper
 91 100
 126 32.8 13.3 39.9

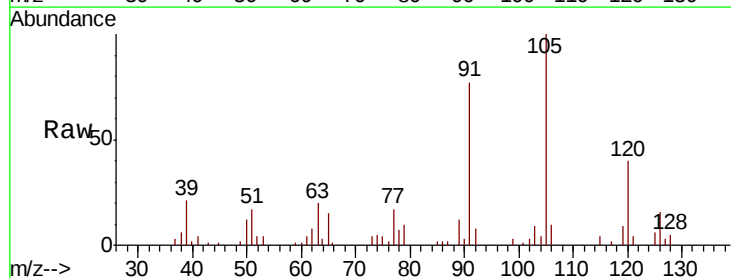


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

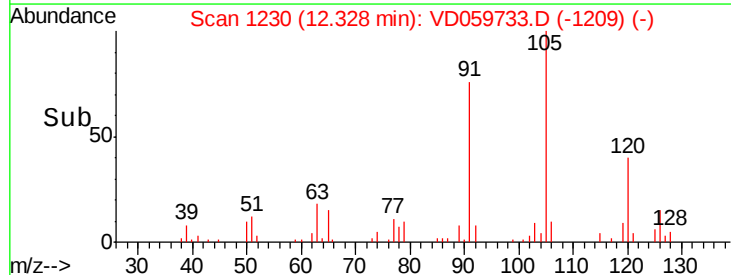
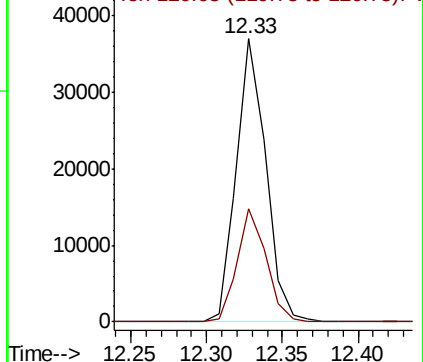


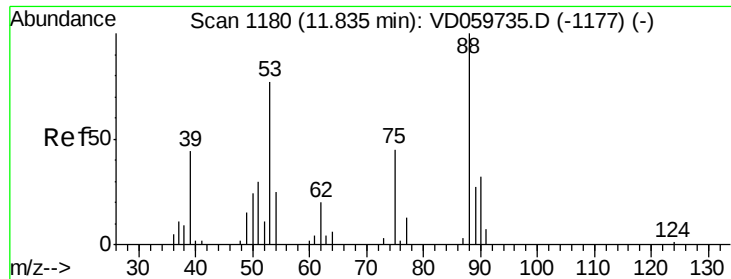
#80
 1,3,5-Trimethylbenzene
 Concen: 10.56 ug/l
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 105 Resp: 49995
 Ion Ratio Lower Upper
 105 100
 120 40.0 19.2 57.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 7.06 ug/l

RT: 11.86 min Scan# 1182

Delta R.T. 0.02 min

Lab File: VD059733.D

Acq: 10 Aug 2018 17:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

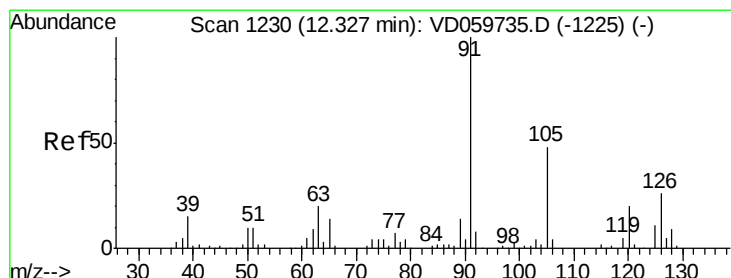
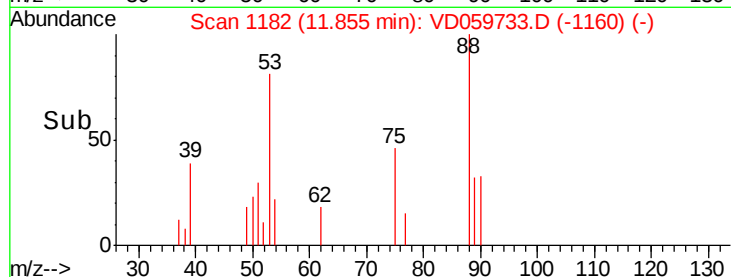
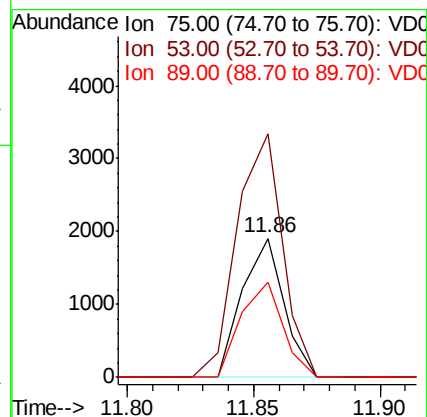
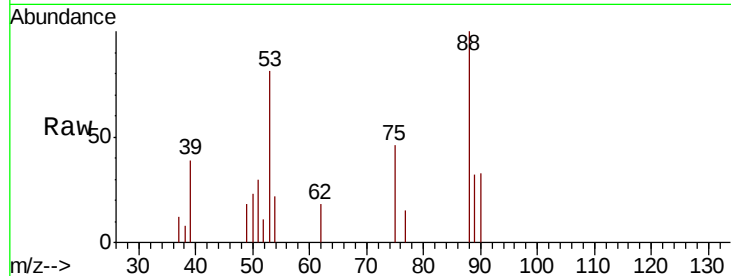
Tot Ion: 75 Resp: 2180

Ion Ratio Lower Upper

75 100

53 174.8 137.5 206.3

89 68.5 48.3 72.5



#82

4-Chlorotoluene

Concen: 10.44 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VD059733.D

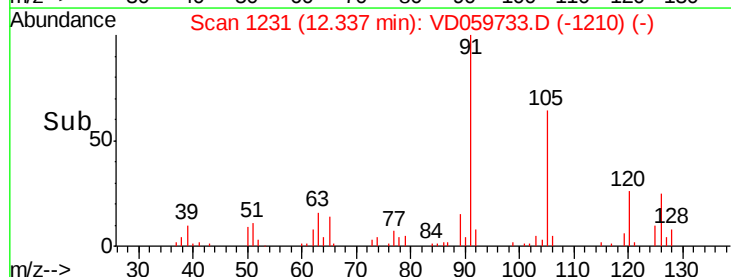
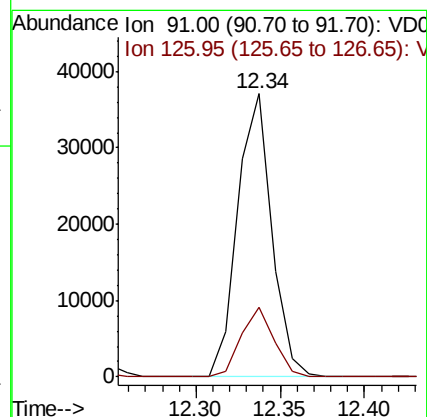
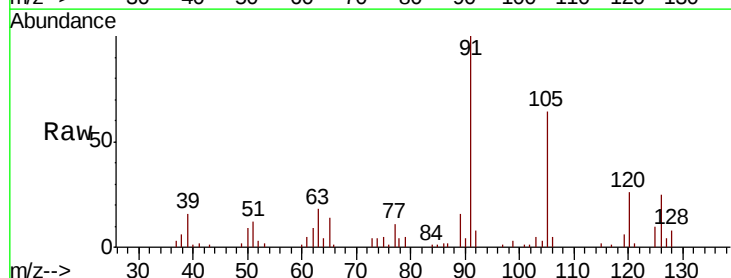
Acq: 10 Aug 2018 17:12

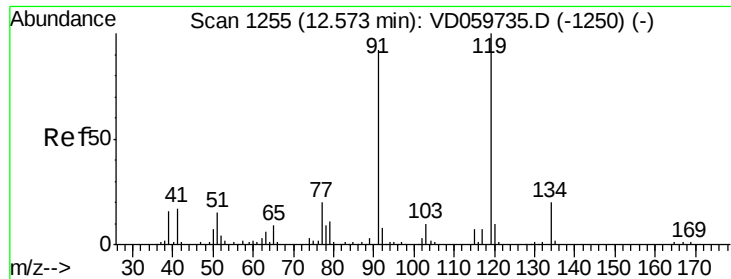
Tgt Ion: 91 Resp: 52077

Ion Ratio Lower Upper

91 100

126 24.5 12.8 38.3

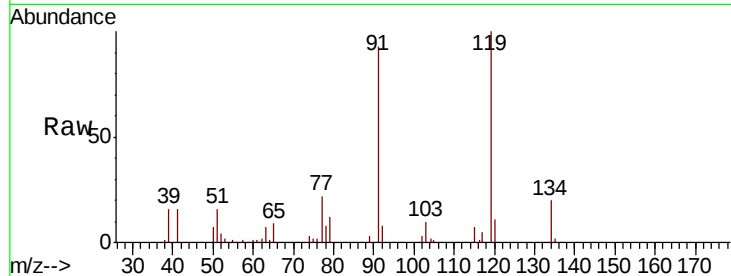




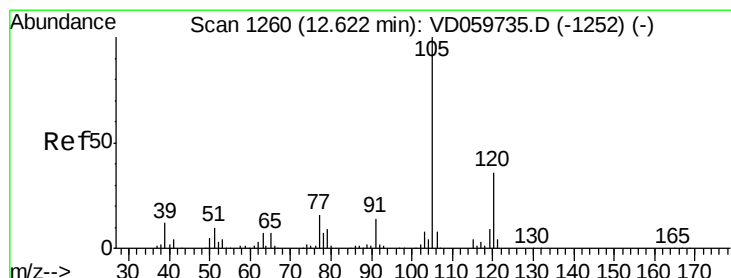
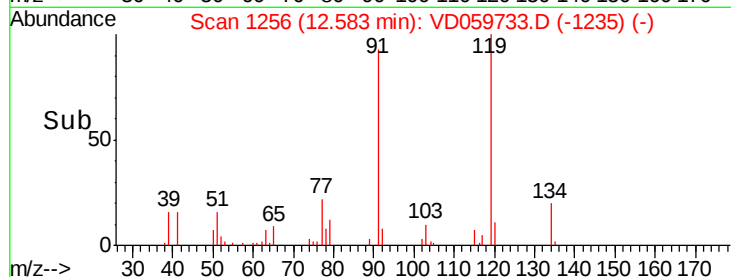
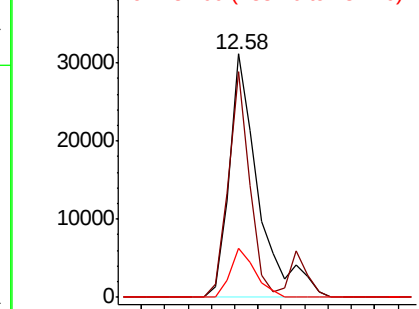
#83
tert-Butylbenzene
Concen: 10.29 ug/l
RT: 12.58 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:119 Resp: 54164
Ion Ratio Lower Upper
119 100
91 92.5 46.1 138.2
134 20.3 9.9 29.7

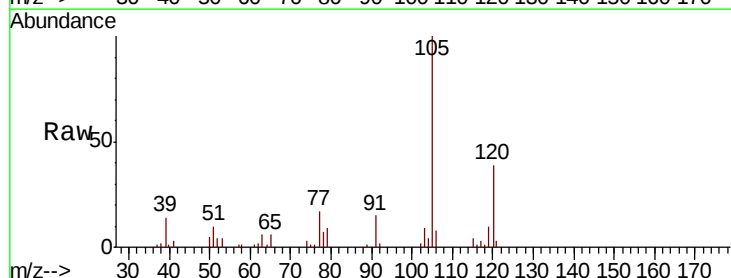


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

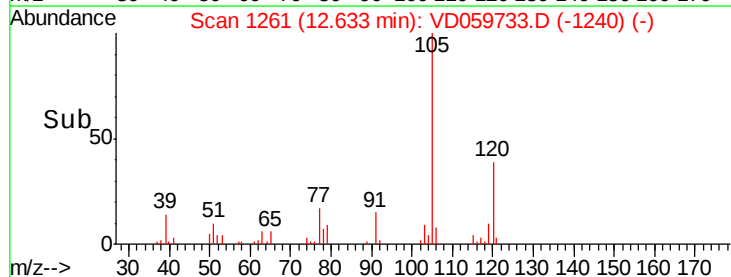
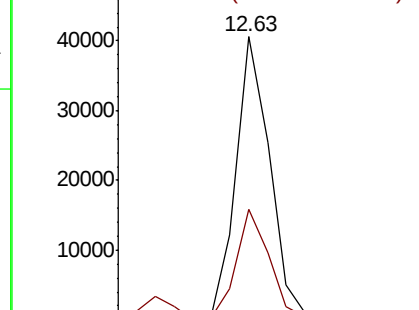


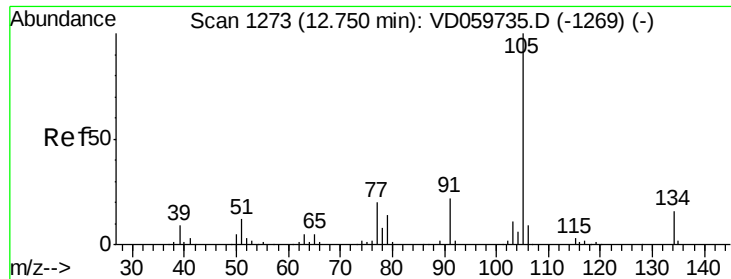
#84
1,2,4-Trimethylbenzene
Concen: 9.97 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion:105 Resp: 50117
Ion Ratio Lower Upper
105 100
120 38.9 17.9 53.7



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

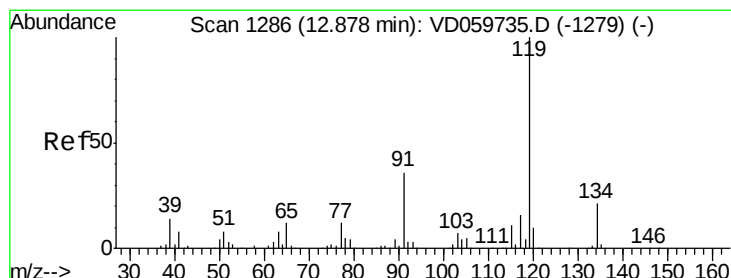
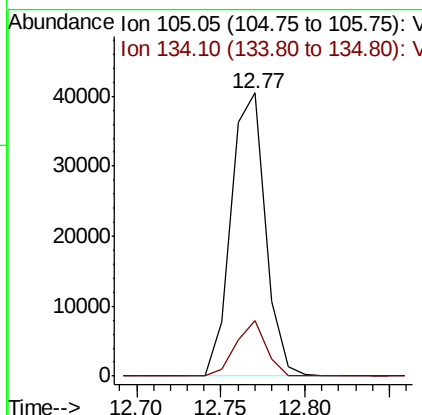
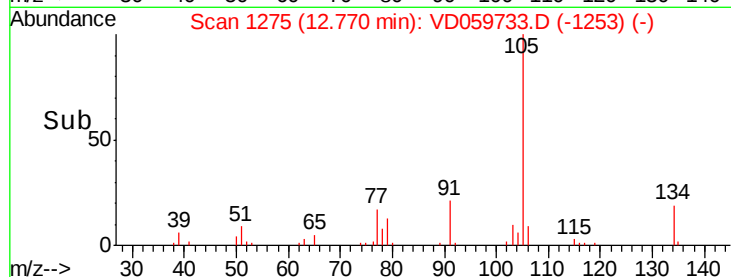
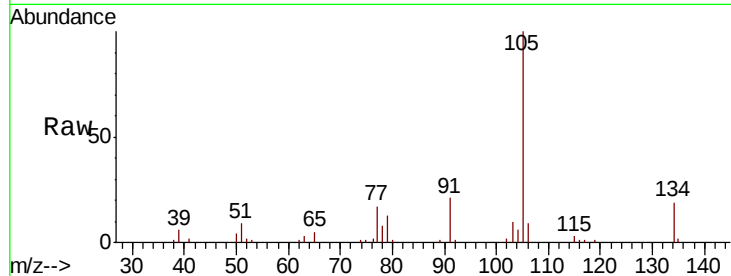




#85
 sec-Butylbenzene
 Concen: 9.76 ug/l
 RT: 12.77 min Scan# 1275
 Delta R.T. 0.02 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

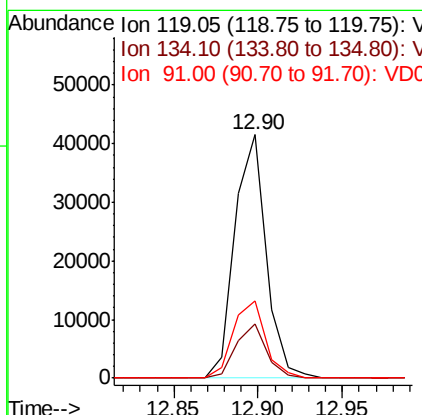
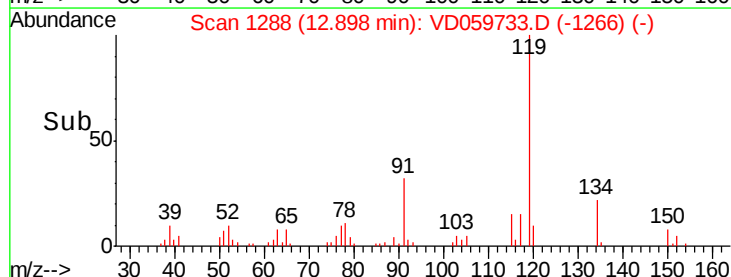
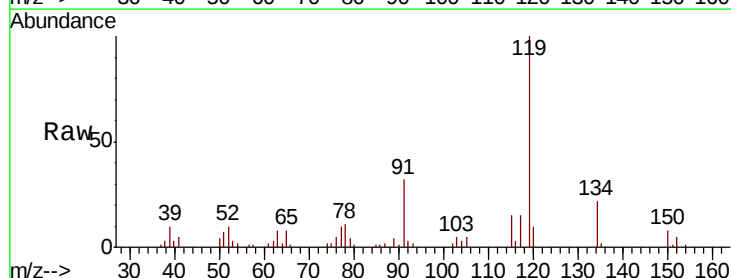
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

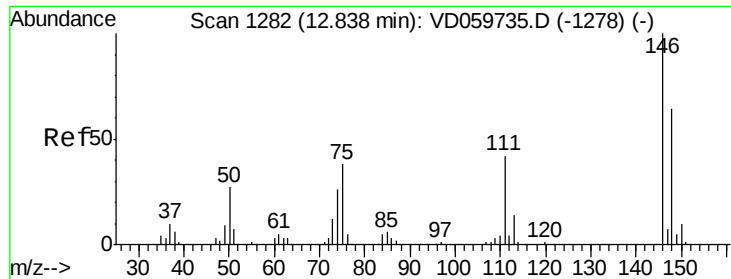
Tot Ion:105 Resp: 57164
 Ion Ratio Lower Upper
 105 100
 134 19.5 7.8 23.4



#86
 p-Isopropyltoluene
 Concen: 10.73 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. 0.02 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion:119 Resp: 53667
 Ion Ratio Lower Upper
 119 100
 134 22.2 10.5 31.6
 91 31.9 17.9 53.7

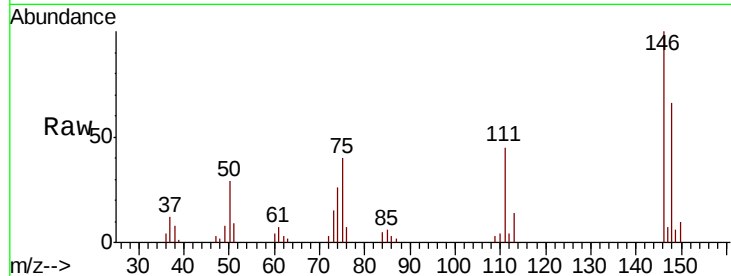




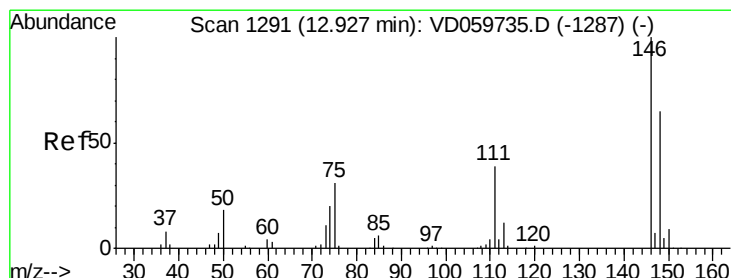
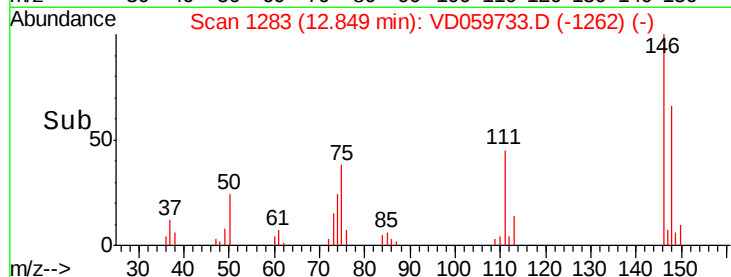
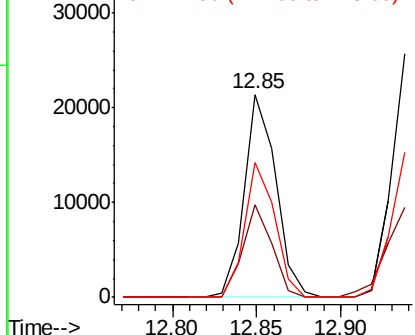
#87
 1,3-Dichlorobenzene
 Concen: 9.71 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 27856
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.1 63.3
 148 66.3 32.2 96.6

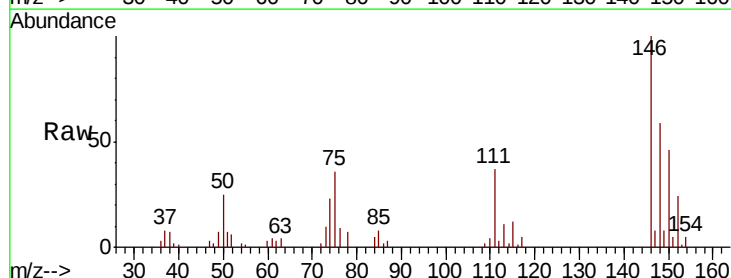


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

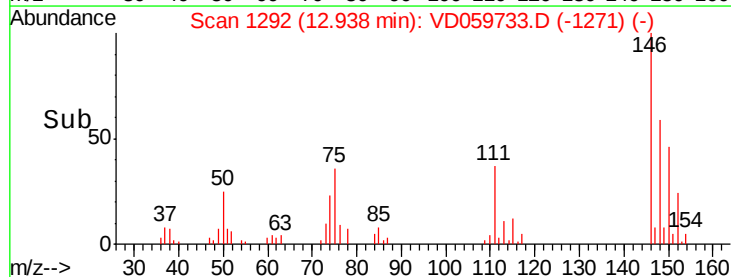
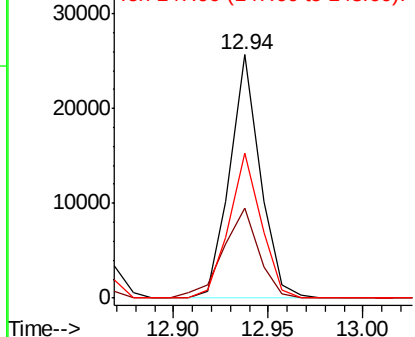


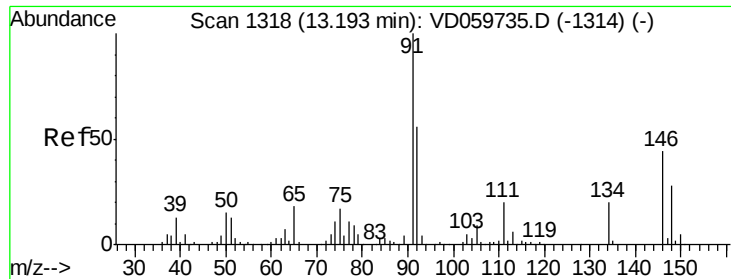
#88
 1,4-Dichlorobenzene
 Concen: 10.10 ug/l
 RT: 12.94 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion:146 Resp: 28657
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.7 59.0
 148 59.4 32.4 97.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

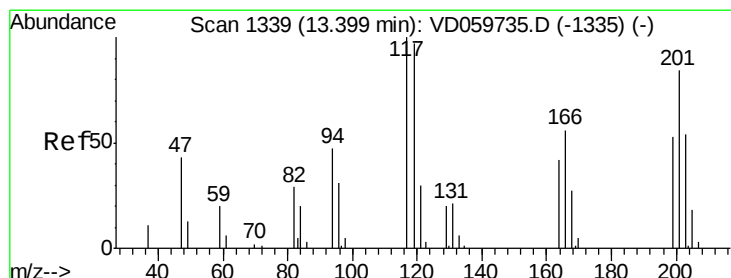
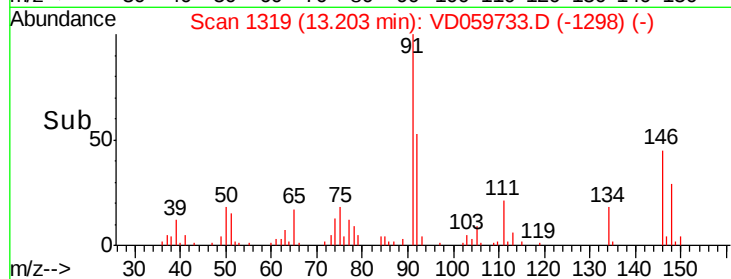
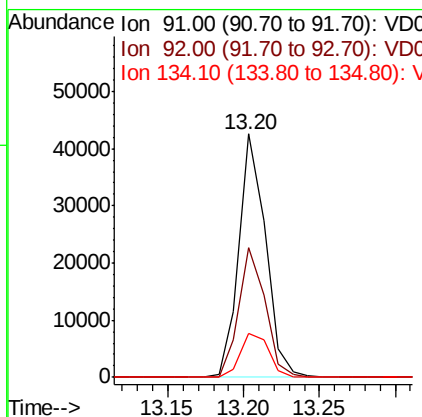
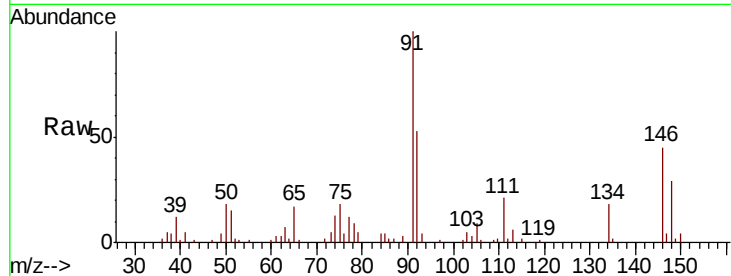




#89
n-Butylbenzene
Concen: 10.31 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

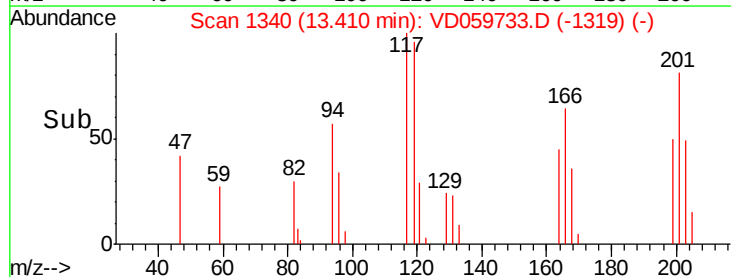
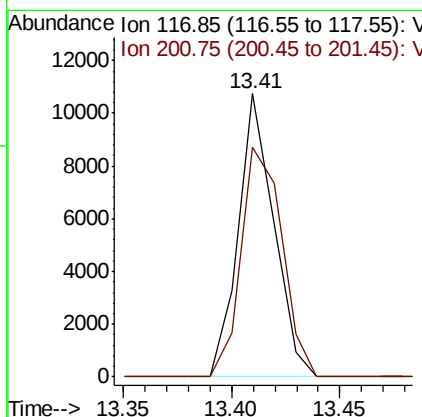
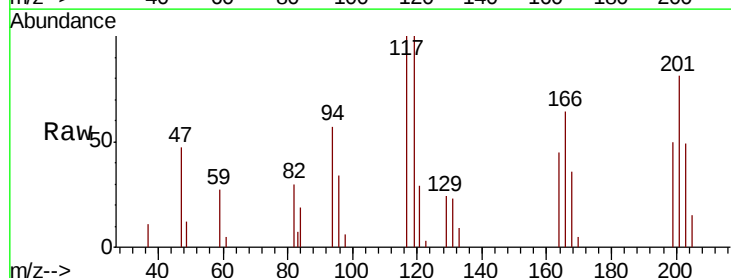
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

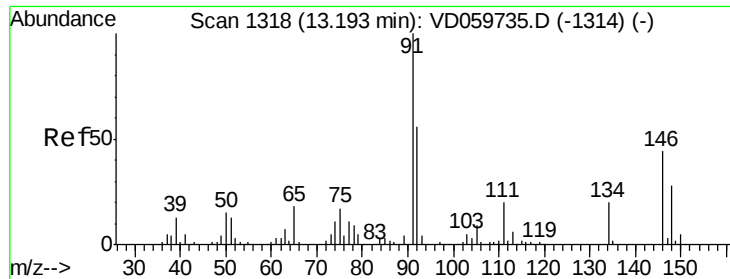
Tot Ion: 91 Resp: 51978
Ion Ratio Lower Upper
91 100
92 53.2 28.1 84.4
134 18.2 10.3 30.8



#90
Hexachloroethane
Concen: 9.38 ug/l
RT: 13.41 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion: 117 Resp: 12240
Ion Ratio Lower Upper
117 100
201 81.2 41.9 125.7

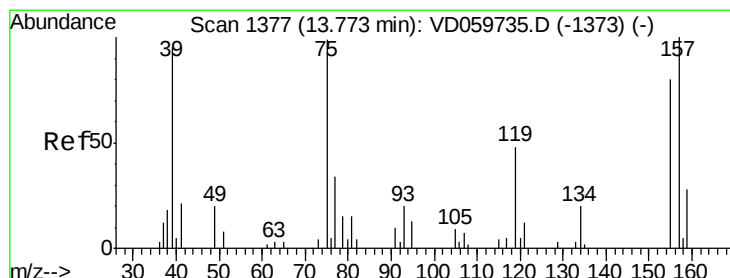
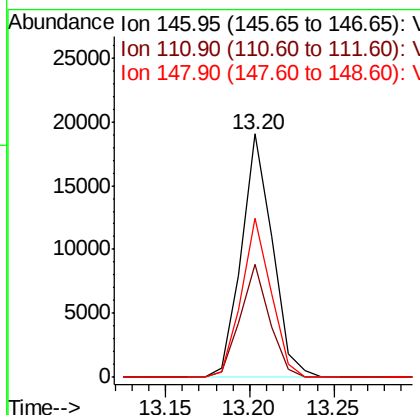
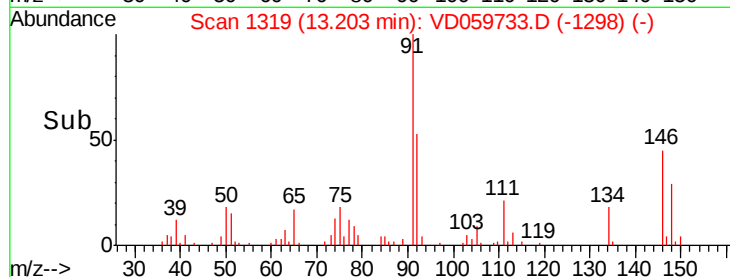
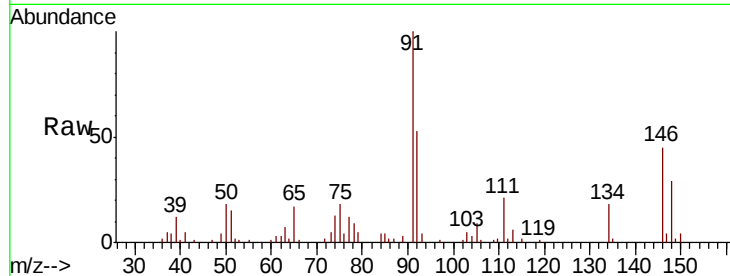




#91
 1,2-Dichlorobenzene
 Concen: 10.11 ug/l
 RT: 13.20 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

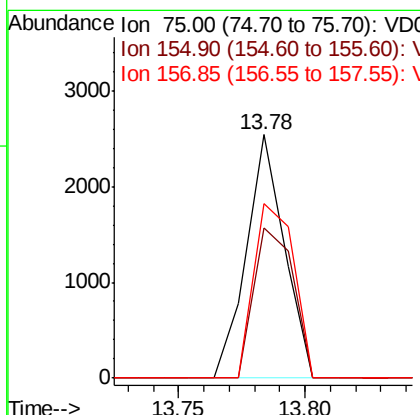
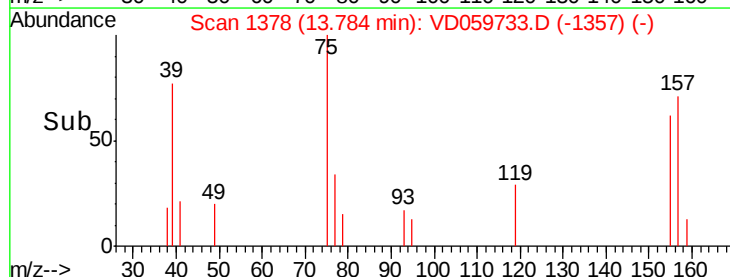
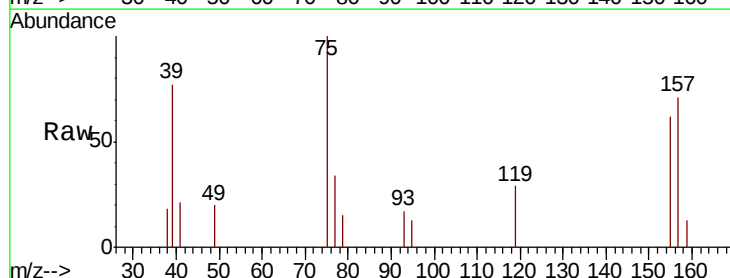
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

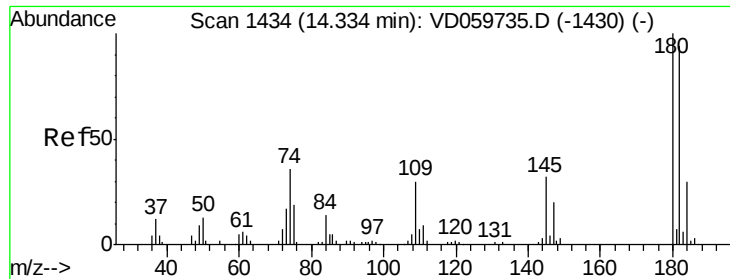
Tot Ion:146 Resp: 24278
 Ion Ratio Lower Upper
 146 100
 111 46.5 22.9 68.5
 148 65.4 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.05 ug/l
 RT: 13.78 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion: 75 Resp: 2645
 Ion Ratio Lower Upper
 75 100
 155 61.7 40.4 121.1
 157 71.5 50.5 151.6

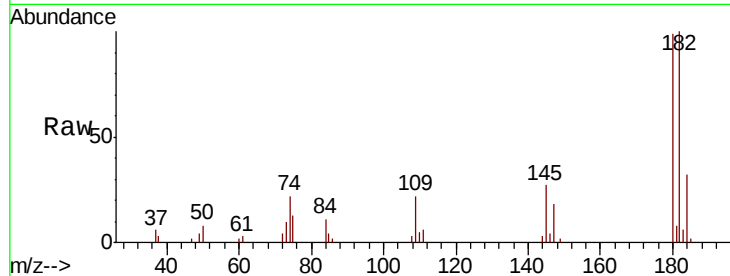




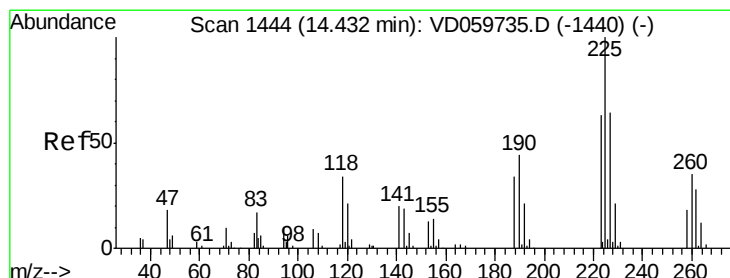
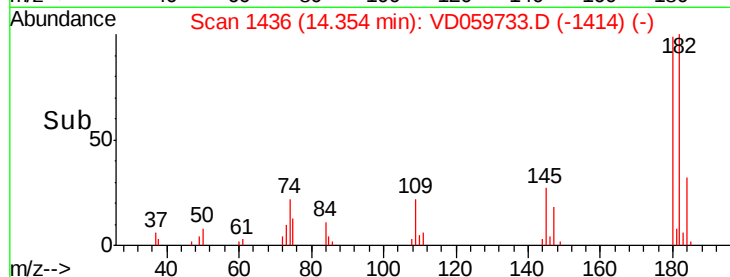
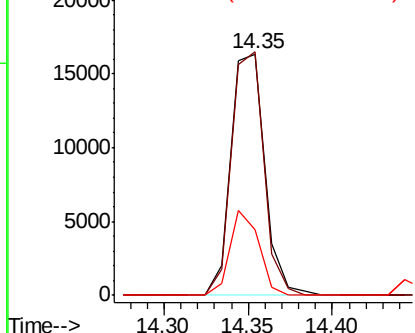
#93
 1,2,4-Trichlorobenzene
 Concen: 10.40 ug/l
 RT: 14.35 min Scan# 1436
 Delta R.T. 0.02 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 22786
 Ion Ratio Lower Upper
 180 100
 182 100.8 47.1 141.4
 145 27.2 15.8 47.3

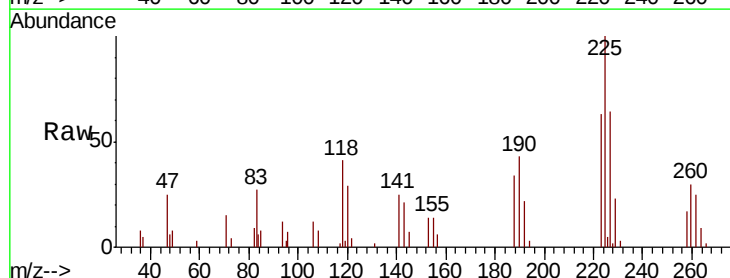


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

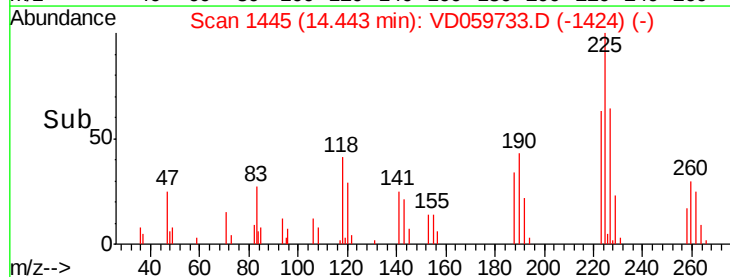
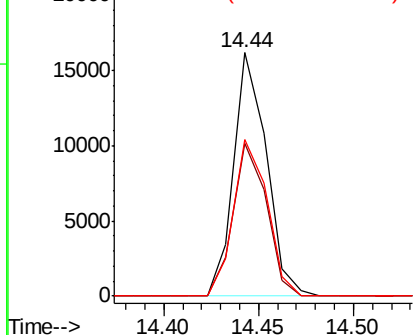


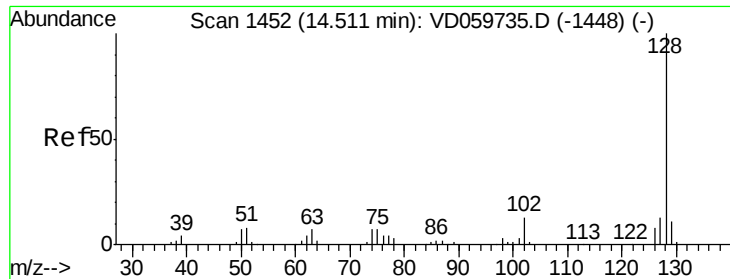
#94
 Hexachlorobutadiene
 Concen: 11.30 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059733.D
 Acq: 10 Aug 2018 17:12

Tgt Ion:225 Resp: 19308
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.5 94.5
 227 64.3 32.1 96.3



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

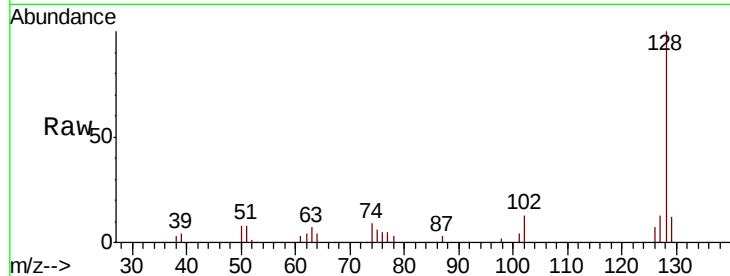




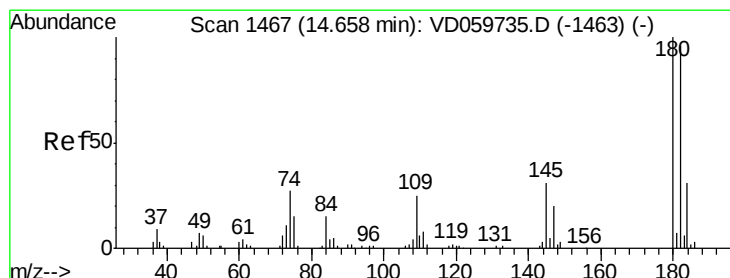
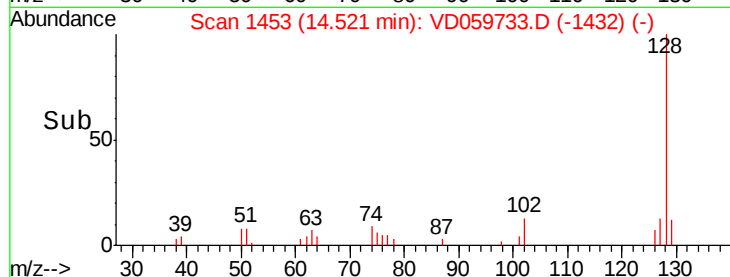
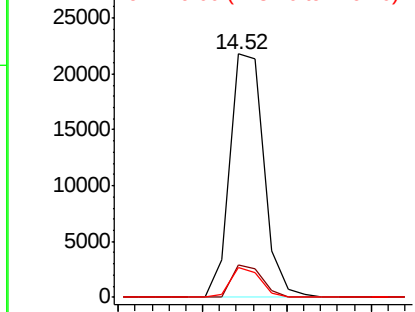
#95
Naphthalene
Concen: 9.56 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 30497
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 12.2 8.9 13.3

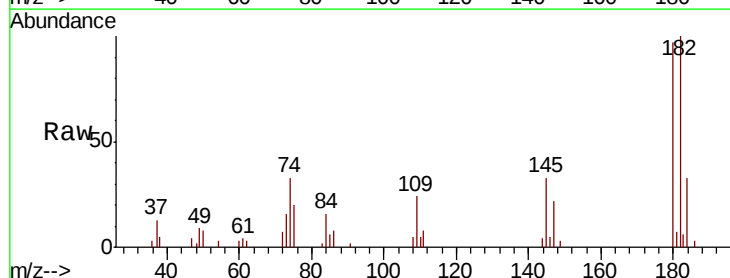


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 9.55 ug/l
RT: 14.67 min Scan# 1468
Delta R.T. 0.01 min
Lab File: VD059733.D
Acq: 10 Aug 2018 17:12

Tgt Ion:180 Resp: 18048
Ion Ratio Lower Upper
180 100
182 103.2 48.1 144.4
145 34.2 15.4 46.4



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

