

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059734.D
 Acq On : 10 Aug 2018 17:41
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 11 05:01:02 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	5.63	168	156697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	178642	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	150212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	85241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	45408	21.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.72%	
35) Dibromofluoromethane	5.54	113	37417	22.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.72%	
50) Toluene-d8	8.70	98	71064	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
62) 4-Bromofluorobenzene	11.92	95	35457	21.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	44889	20.50	ug/l	95
3) Chloromethane	1.48	50	16189	16.94	ug/l	98
4) Vinyl Chloride	1.54	62	19643	17.53	ug/l	94
5) Bromomethane	1.77	94	7153	18.84	ug/l	91
6) Chloroethane	1.86	64	8889	18.64	ug/l	99
7) Trichlorofluoromethane	2.07	101	44473	23.15	ug/l	99
8) Diethyl Ether	2.33	74	7064	20.34	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.54	101	24735	23.22	ug/l	95
10) Methyl Iodide	2.68	142	23400	19.05	ug/l	98
11) Tert butyl alcohol	3.27	59	8181	110.71	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	16125	20.98	ug/l	96
13) Acrolein	2.46	56	5463	84.56	ug/l #	82
14) Allyl chloride	2.90	41	36294	20.43	ug/l	93
15) Acrylonitrile	3.34	53	19385	94.38	ug/l	95
16) Acetone	2.60	43	35139	91.48	ug/l	98
17) Carbon Disulfide	2.73	76	49875	17.96	ug/l	99
18) Methyl Acetate	2.92	43	12840	17.92	ug/l	100
19) Methyl tert-butyl Ether	3.38	73	69608	23.28	ug/l	95
20) Methylene Chloride	3.05	84	21890	14.81	ug/l #	97
21) trans-1,2-Dichloroethene	3.38	96	22043	21.82	ug/l	84
22) Diisopropyl ether	4.06	45	68226	16.85	ug/l	92
23) Vinyl Acetate	4.00	43	240821	92.40	ug/l	97
24) 1,1-Dichloroethane	3.95	63	53402	19.76	ug/l #	97
25) 2-Butanone	4.83	43	37188	76.73	ug/l	93
26) 2,2-Dichloropropane	4.78	77	62855	21.48	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	27447	19.27	ug/l	100
28) Bromochloromethane	5.14	49	18178	17.90	ug/l	90
29) Tetrahydrofuran	5.17	42	15152	80.29	ug/l	99
30) Chloroform	5.31	83	72105	21.48	ug/l	97
31) Cyclohexane	5.58	56	31071	15.79	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	74903	22.75	ug/l	98
36) 1,1-Dichloropropene	5.74	75	41183	20.71	ug/l	95
37) Ethyl Acetate	4.91	43	17121	17.74	ug/l #	93
38) Carbon Tetrachloride	5.72	117	64576	23.51	ug/l	99

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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	31917	19.43	ug/l	94
40) Benzene	6.00	78	74029	19.53	ug/l	100
41) Methacrylonitrile	5.11	41	9808	22.28	ug/l #	88
42) 1,2-Dichloroethane	6.12	62	57226	23.19	ug/l	98
43) Isopropyl Acetate	7.60	43	23484	18.88	ug/l	95
44) Trichloroethene	6.97	130	30043	21.21	ug/l	81
45) 1,2-Dichloropropane	7.34	63	17690	17.69	ug/l	96
46) Dibromomethane	7.46	93	20316	22.70	ug/l	97
47) Bromodichloromethane	7.73	83	52424	22.79	ug/l	94
48) Methyl methacrylate	7.50	41	17892	21.34	ug/l	96
49) 1,4-Dioxane	7.48	88	2009	315.60	ug/l #	86
51) 4-Methyl-2-Pentanone	8.59	43	80181	87.24	ug/l	97
52) Toluene	8.79	92	45222	18.62	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	41682	21.67	ug/l	97
54) cis-1,3-Dichloropropene	8.35	75	38614	19.82	ug/l	99
55) 1,1,2-Trichloroethane	9.44	97	18719	19.83	ug/l	89
56) Ethyl methacrylate	9.31	69	21042	20.38	ug/l	95
57) 1,3-Dichloropropane	9.66	76	30372	20.65	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.18	63	50225	101.10	ug/l	97
59) 2-Hexanone	9.78	43	59835	86.61	ug/l	98
60) Dibromochloromethane	9.95	129	35535	23.12	ug/l	96
61) 1,2-Dibromoethane	10.08	107	23954	21.96	ug/l	96
64) Tetrachloroethene	9.50	164	28572	20.01	ug/l	94
65) Chlorobenzene	10.71	112	59536	18.84	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.84	131	30416	21.33	ug/l	92
67) Ethyl Benzene	10.85	91	113118	19.77	ug/l	97
68) m/p-Xylenes	11.01	106	74594	41.15	ug/l	100
69) o-Xylene	11.40	106	36107	20.39	ug/l	100
70) Styrene	11.43	104	58611	19.79	ug/l	98
71) Bromoform	11.60	173	20960	19.49	ug/l	94
73) Isopropylbenzene	11.77	105	115524	20.44	ug/l	100
74) N-amyl acetate	11.64	43	31413	17.61	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	19390	17.20	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	25446	19.41	ug/l	97
77) Bromobenzene	12.03	156	31706	19.19	ug/l	98
78) n-propylbenzene	12.15	91	144744	20.69	ug/l	97
79) 2-Chlorotoluene	12.21	91	88154	20.78	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	96575	20.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	5448	17.66	ug/l	89
82) 4-Chlorotoluene	12.32	91	109290	21.93	ug/l	88
83) tert-Butylbenzene	12.57	119	107215	20.38	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	98813	19.67	ug/l	98
85) sec-Butylbenzene	12.75	105	116794	19.96	ug/l	99
86) p-Isopropyltoluene	12.88	119	107229	21.45	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	59060	20.61	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	58660	20.69	ug/l	97
89) n-Butylbenzene	13.19	91	102327	20.31	ug/l	97
90) Hexachloroethane	13.40	117	27121	20.79	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	49009	20.42	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	5178	21.65	ug/l	97

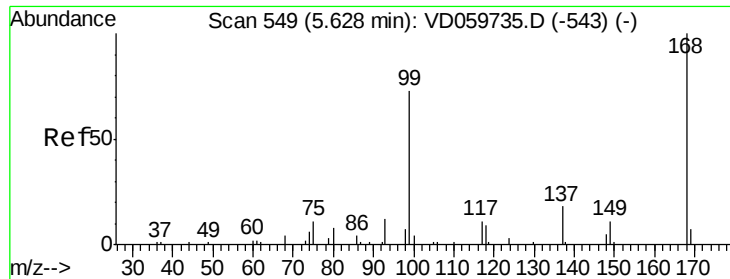
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
Data File : VD059734.D
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Quant Title : SW846 8260
QLast Update : Sat Aug 11 04:59:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	46929	21.44	ug/l	99
94) Hexachlorobutadiene	14.43	225	38820	22.73	ug/l	95
95) Naphthalene	14.51	128	60186	18.88	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	40246	21.32	ug/l	97

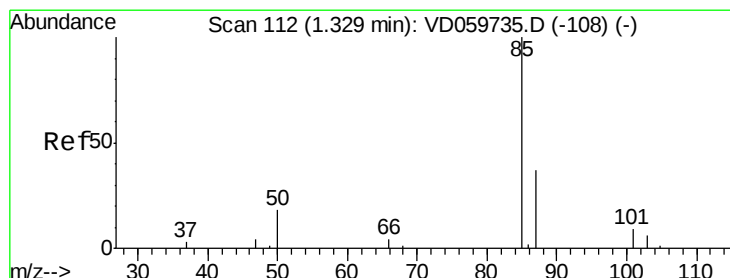
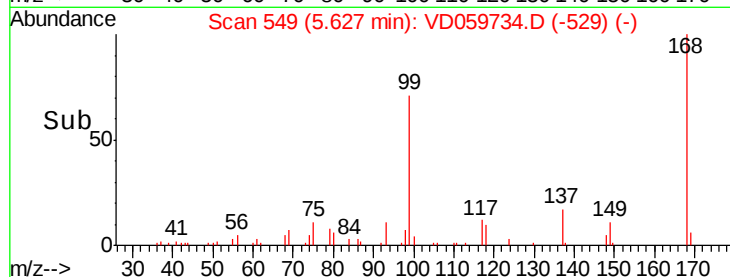
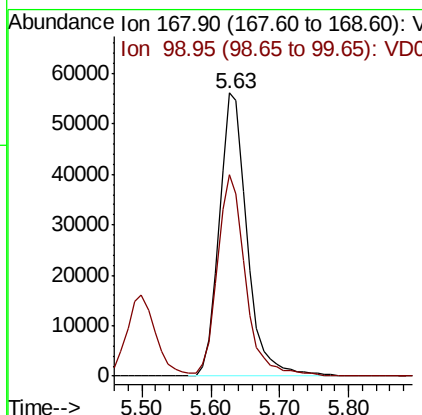
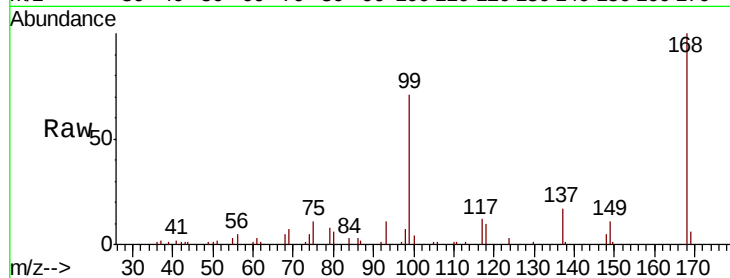
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

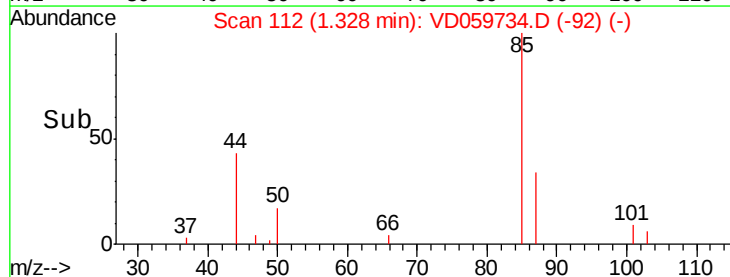
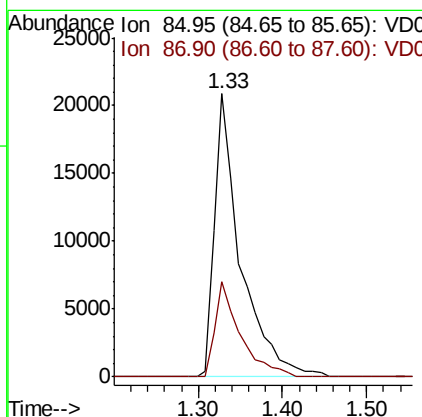
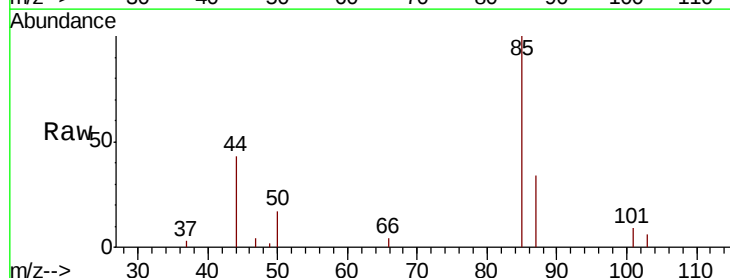
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

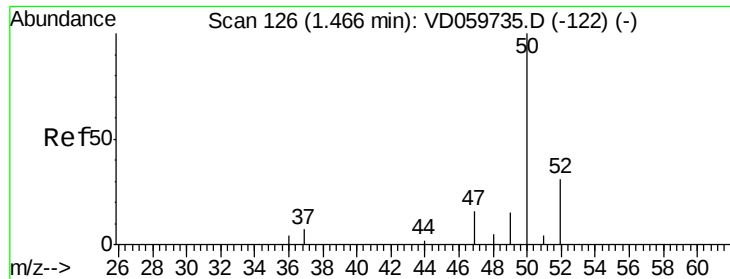
Tot Ion:168 Resp: 156697
Ion Ratio Lower Upper
168 100
99 71.4 61.4 92.2



#2
Dichlorodifluoromethane
Concen: 20.50 ug/l
RT: 1.33 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 85 Resp: 44889
Ion Ratio Lower Upper
85 100
87 33.6 18.3 54.8





#3

Chloromethane

Concen: 16.94 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

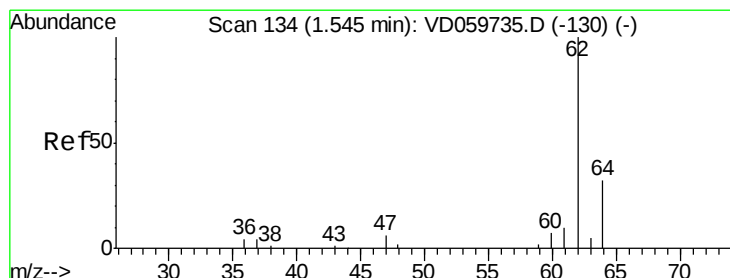
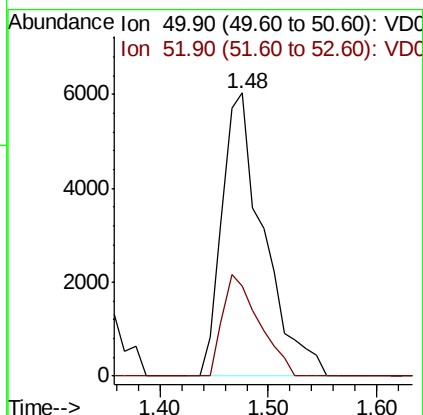
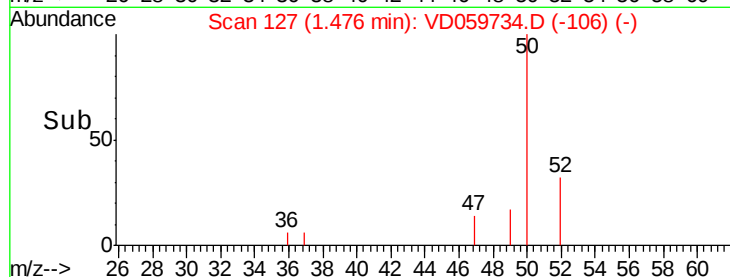
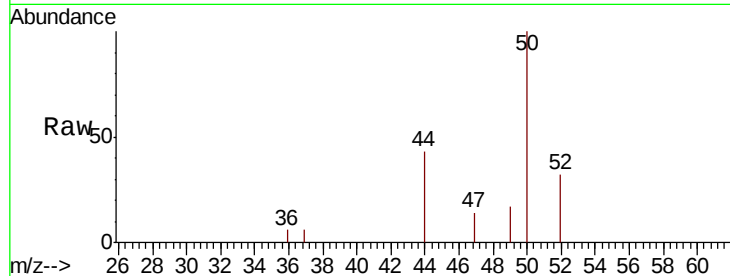
VSTDIC020

Tot Ion: 50 Resp: 16189

Ion Ratio Lower Upper

50 100

52 31.9 24.8 37.2



#4

Vinyl Chloride

Concen: 17.53 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059734.D

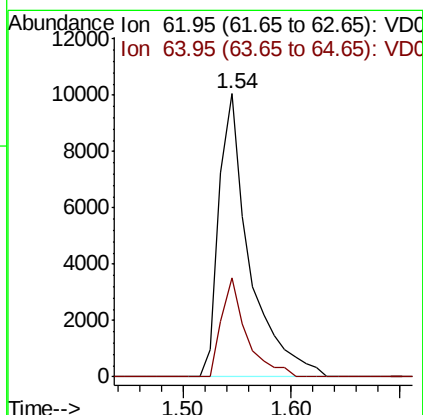
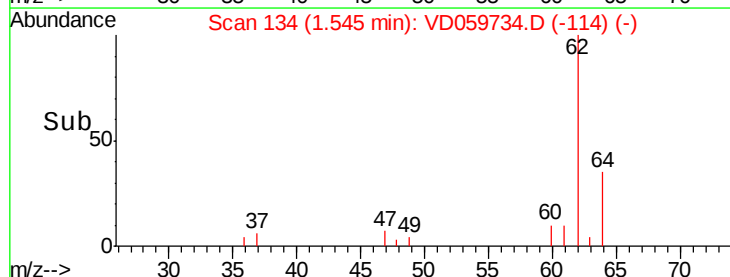
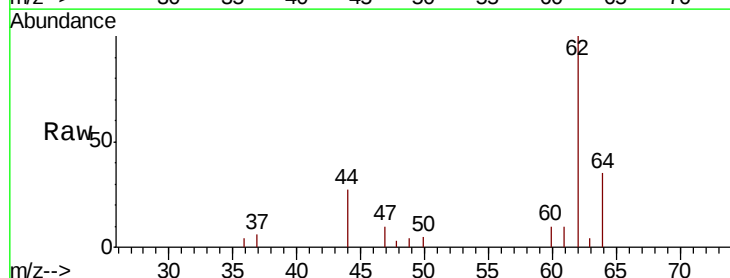
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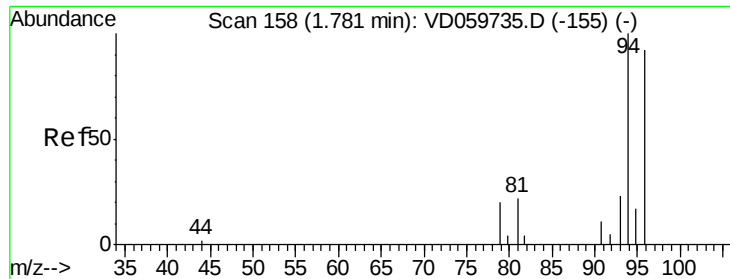
Tgt Ion: 62 Resp: 19643

Ion Ratio Lower Upper

62 100

64 34.9 25.3 37.9

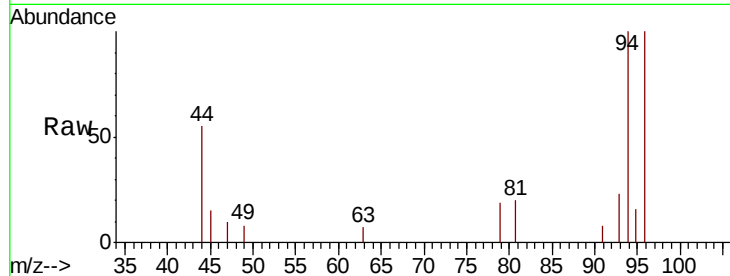




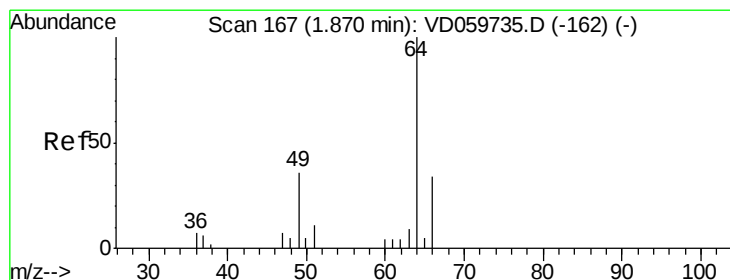
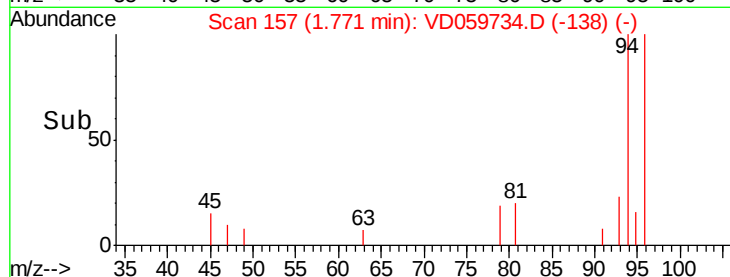
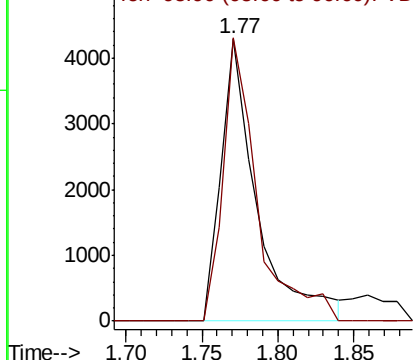
#5
Bromomethane
Concen: 18.84 ug/l
RT: 1.77 min Scan# 157
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 94 Resp: 7153
Ion Ratio Lower Upper
94 100
96 100.2 73.4 110.2

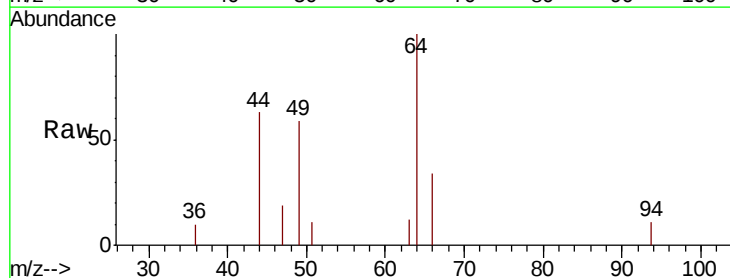


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

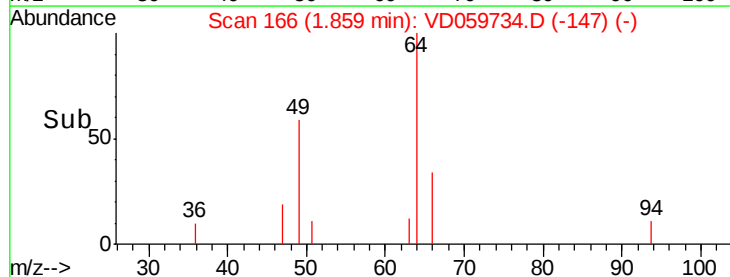
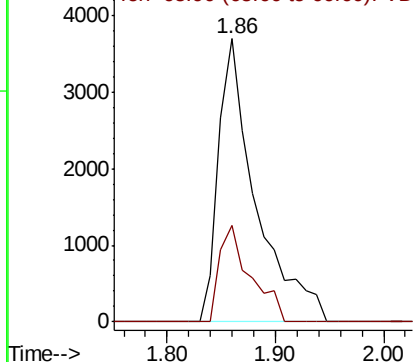


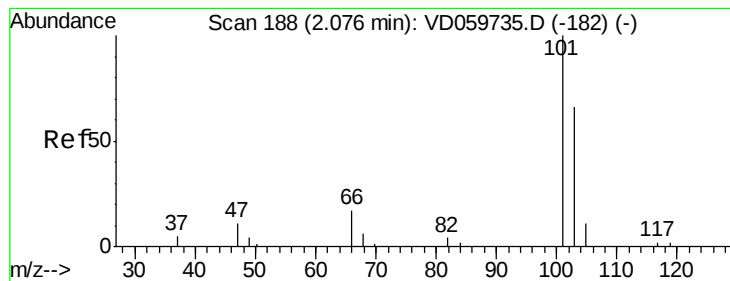
#6
Chloroethane
Concen: 18.64 ug/l
RT: 1.86 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 64 Resp: 8889
Ion Ratio Lower Upper
64 100
66 33.9 26.9 40.3



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



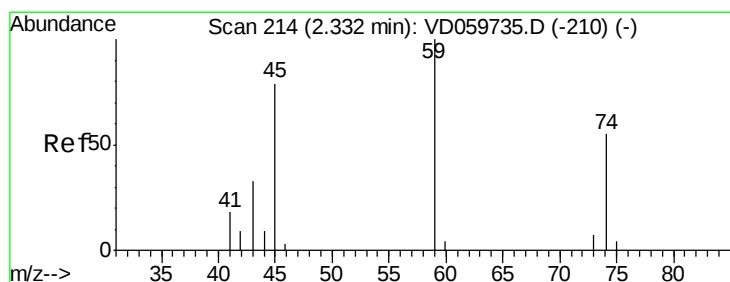
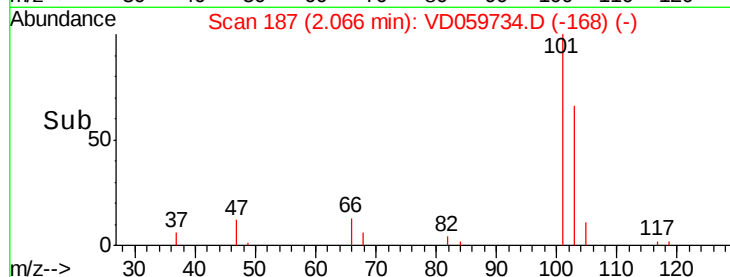
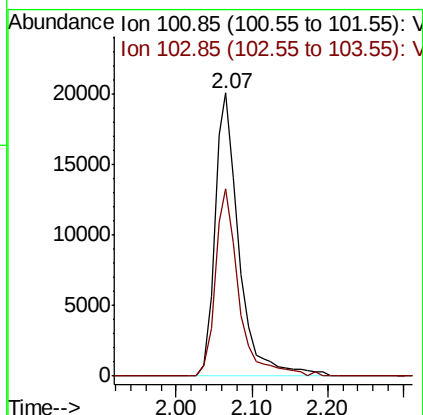
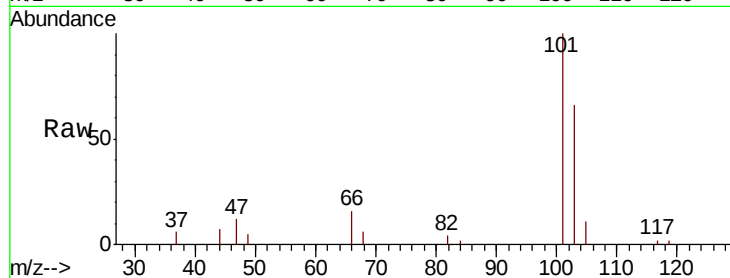


#7

Trichlorofluoromethane
Concen: 23.15 ug/l
RT: 2.07 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
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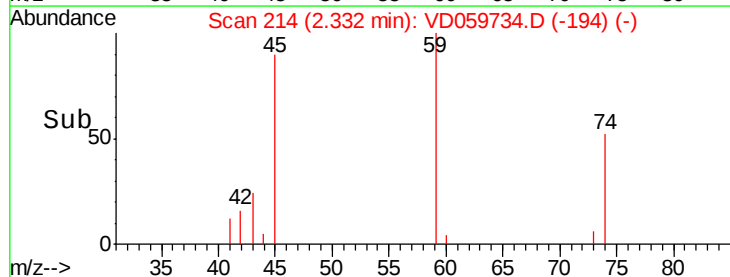
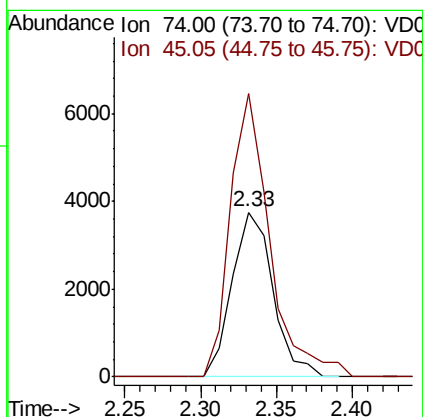
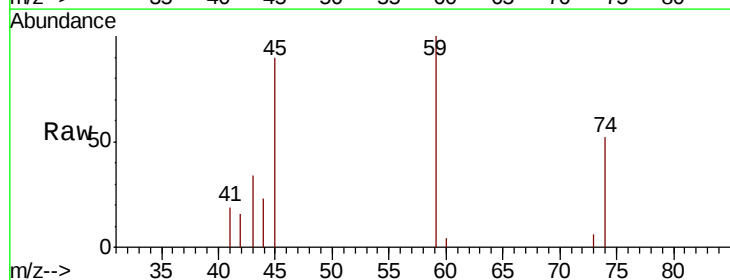
Tot Ion:101 Resp: 44473
Ion Ratio Lower Upper
101 100
103 66.0 52.4 78.6

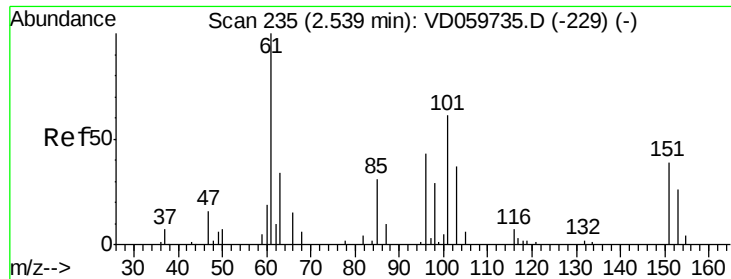


#8

Diethyl Ether
Concen: 20.34 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 74 Resp: 7064
Ion Ratio Lower Upper
74 100
45 172.0 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.22 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

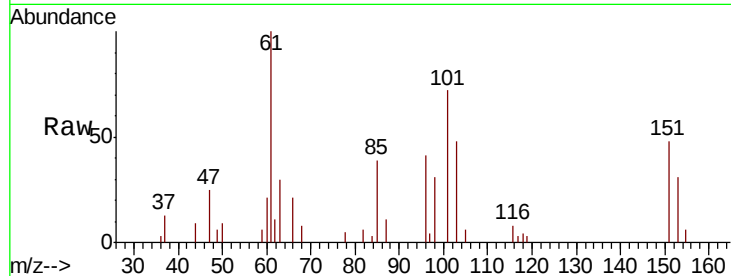
Tot Ion:101 Resp: 24735

Ion Ratio Lower Upper

101 100

85 53.8 39.7 59.5

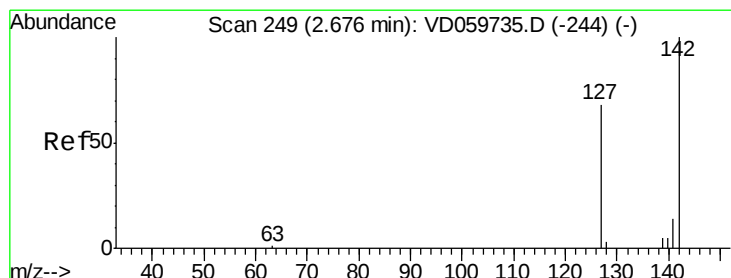
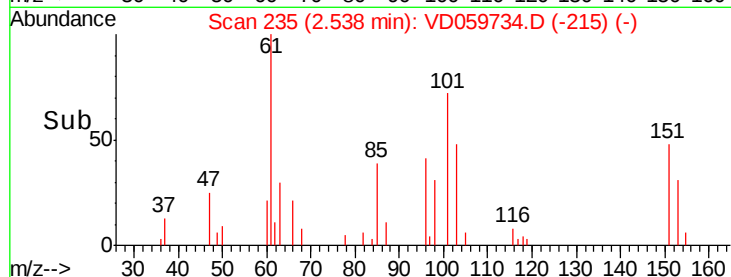
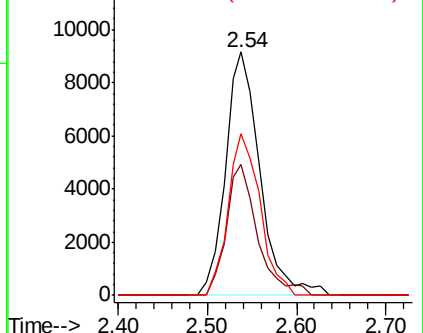
151 66.2 50.8 76.2



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: 19.05 ug/l

RT: 2.68 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

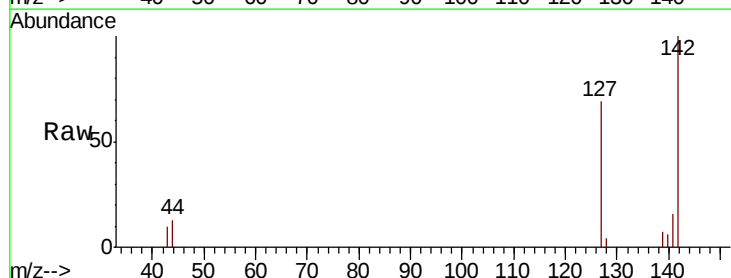
Tgt Ion:142 Resp: 23400

Ion Ratio Lower Upper

142 100

127 68.6 54.0 81.0

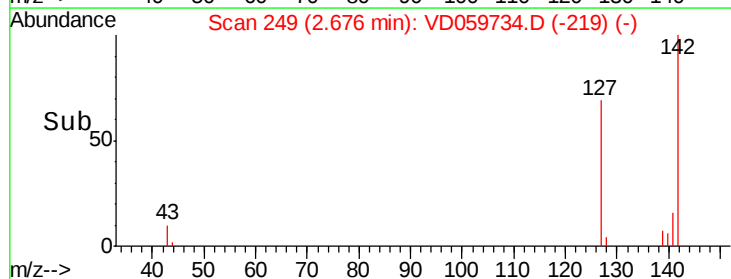
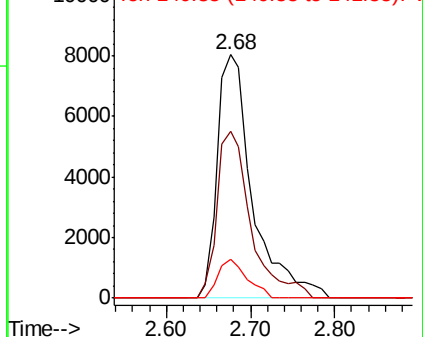
141 16.2 11.0 16.4

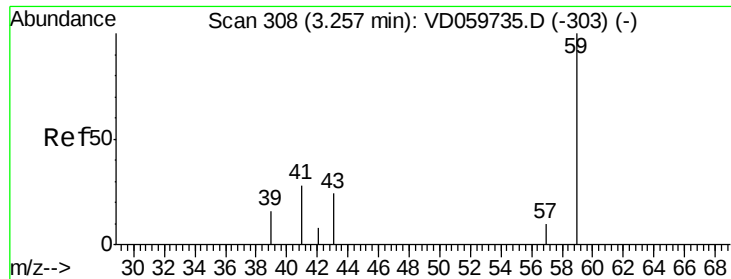


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

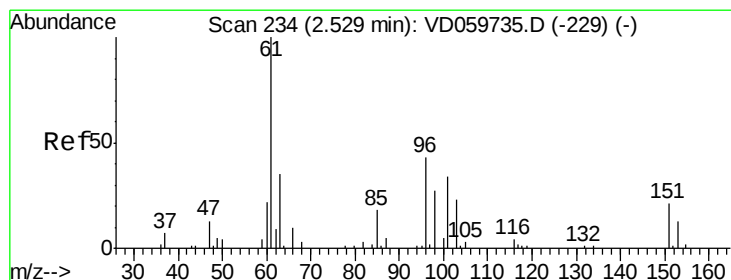
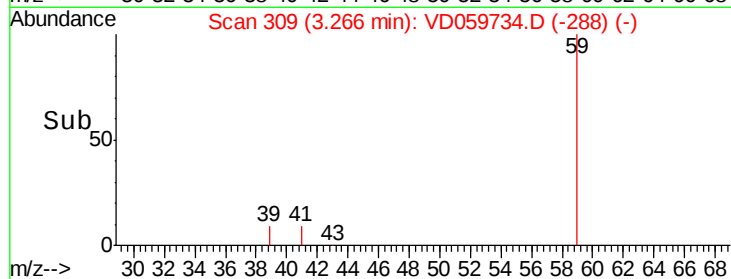
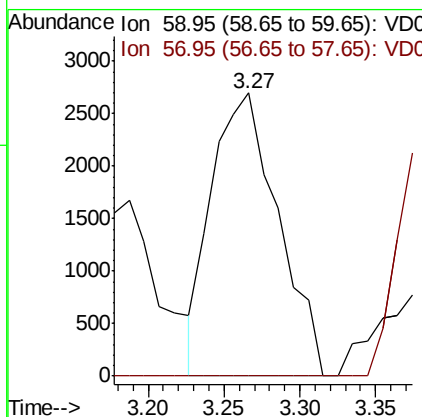
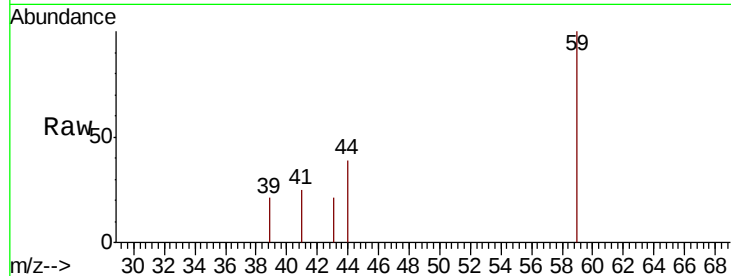




#11
Tert butyl alcohol
Concen: 110.71 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

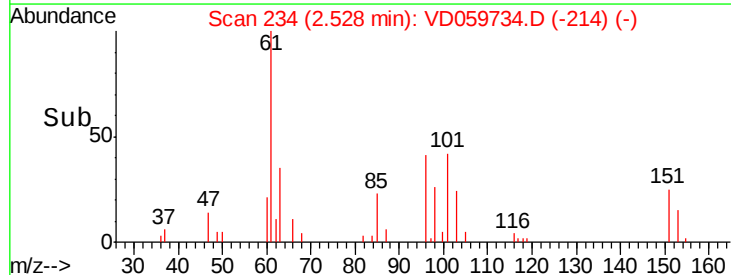
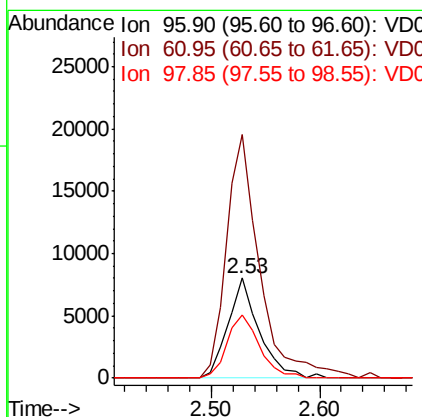
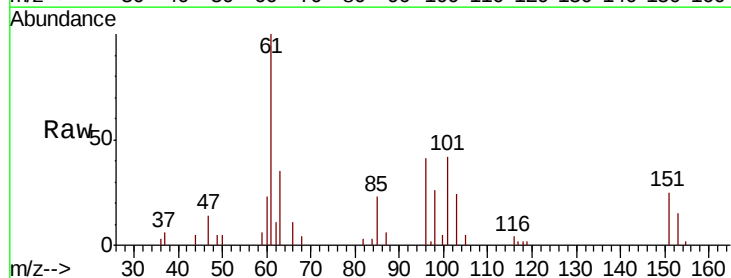
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

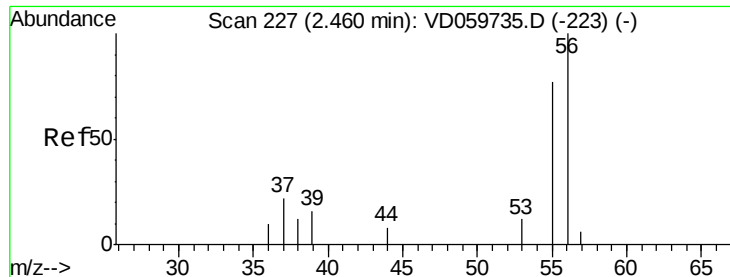
Tot Ion: 59 Resp: 8181
Ion Ratio Lower Upper
59 100
57 0.0 7.3 10.9#



#12
1,1-Dichloroethene
Concen: 20.98 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 96 Resp: 16125
Ion Ratio Lower Upper
96 100
61 242.9 187.2 280.8
98 62.6 50.4 75.6





#13

Acrolein

Concen: 84.56 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

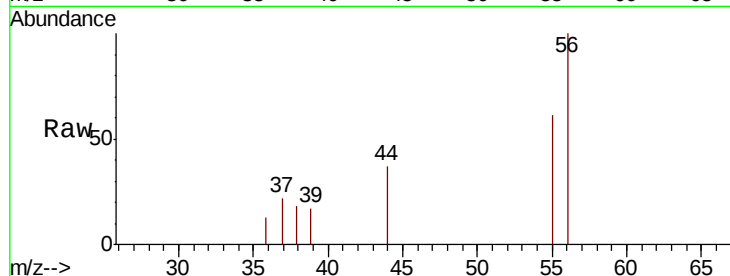
VSTDIC020

Tot Ion: 56 Resp: 5463

Ion Ratio Lower Upper

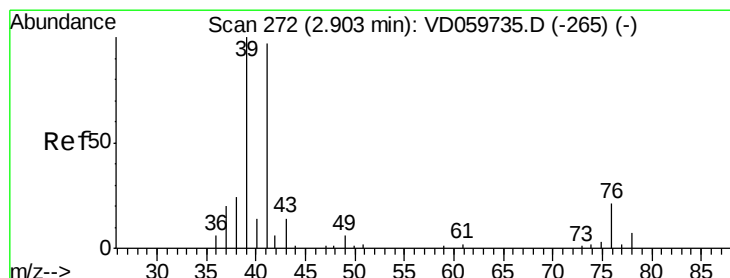
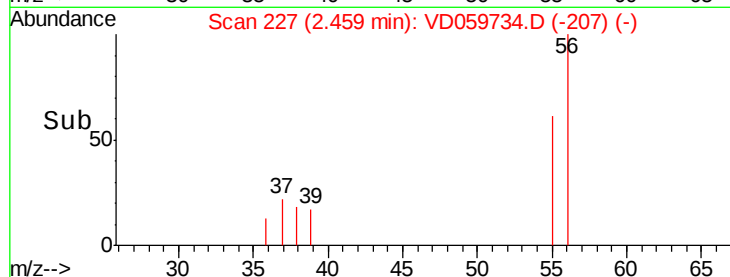
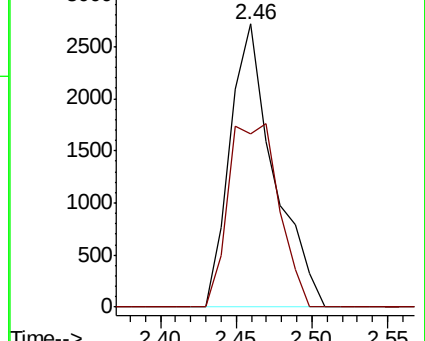
56 100

55 61.3 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: 20.43 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

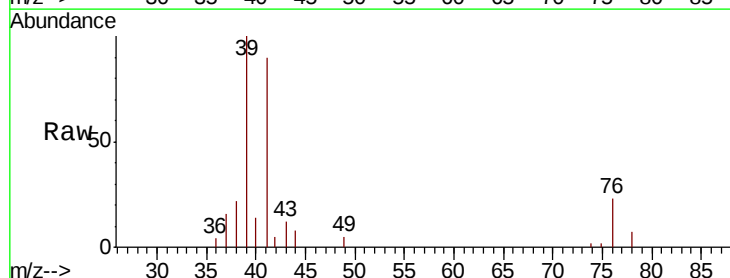
Tgt Ion: 41 Resp: 36294

Ion Ratio Lower Upper

41 100

39 111.1 82.9 124.3

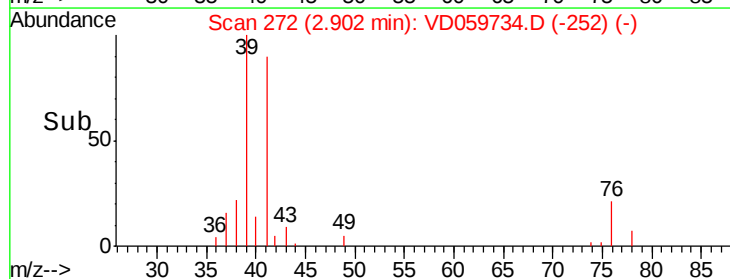
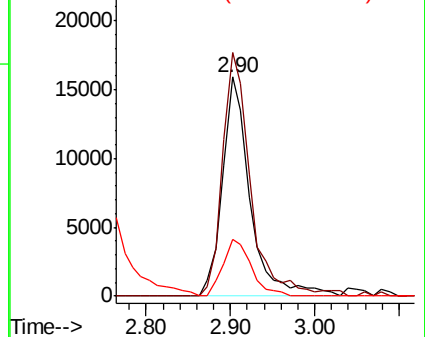
76 25.7 22.2 33.2

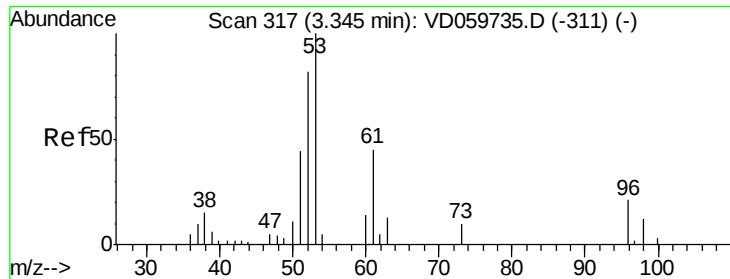


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

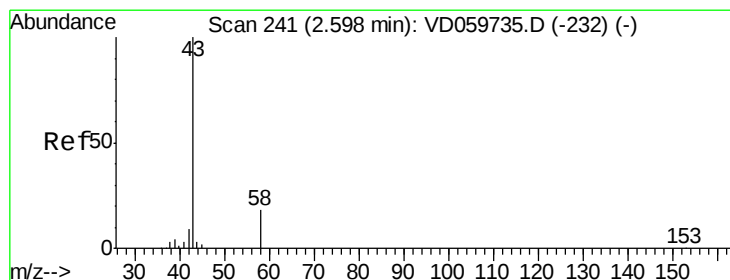
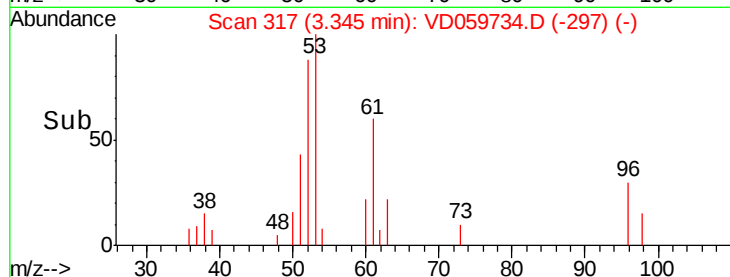
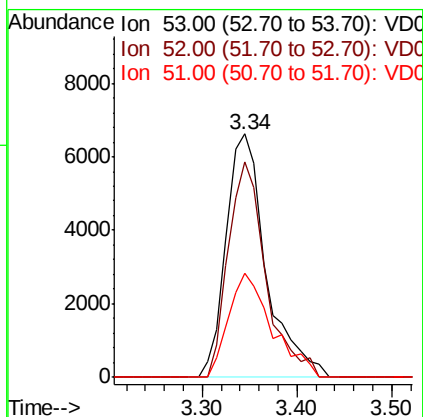
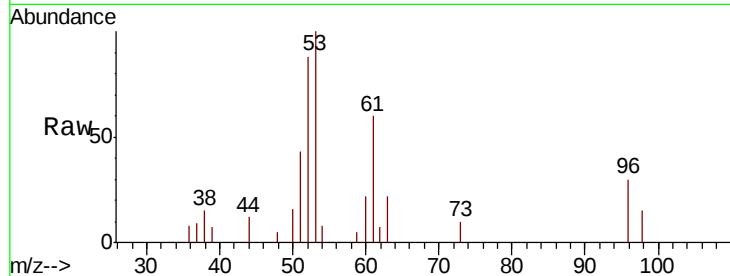




#15
 Acrylonitrile
 Concen: 94.38 ug/l
 RT: 3.34 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

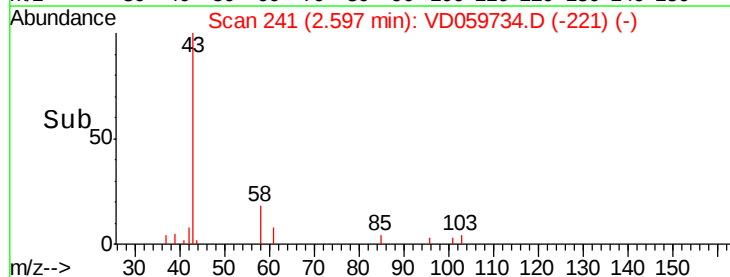
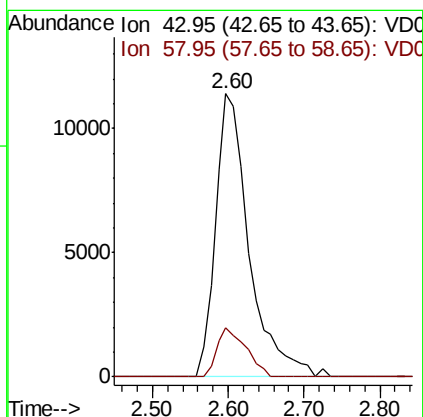
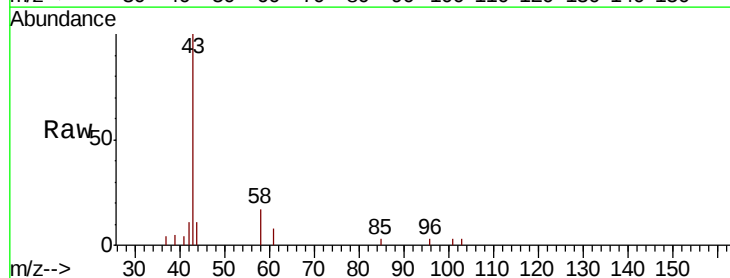
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

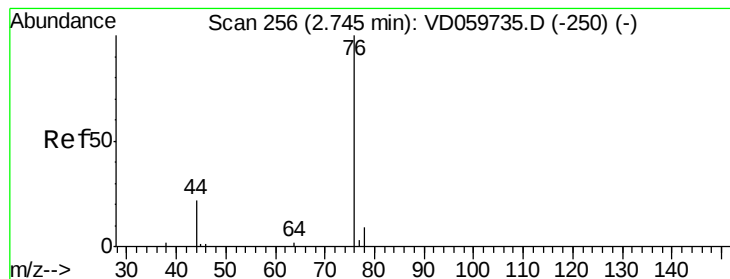
Tot Ion: 53 Resp: 19385
 Ion Ratio Lower Upper
 53 100
 52 88.5 65.8 98.6
 51 42.7 35.1 52.7



#16
 Acetone
 Concen: 91.48 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 43 Resp: 35139
 Ion Ratio Lower Upper
 43 100
 58 17.4 14.6 21.8





#17

Carbon Disulfide

Concen: 17.96 ug/l

RT: 2.73 min Scan# 255

Delta R.T. -0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

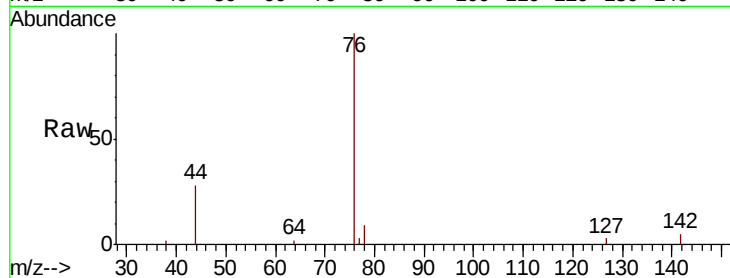
VSTDIC020

Tot Ion: 76 Resp: 49875

Ion Ratio Lower Upper

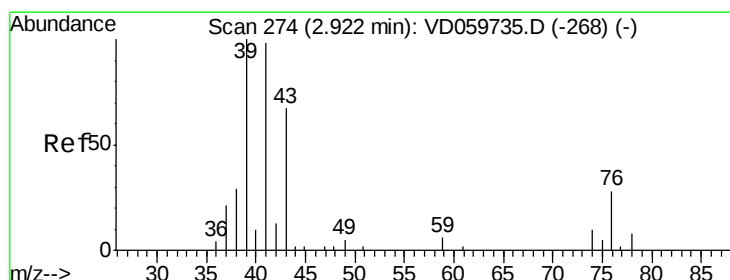
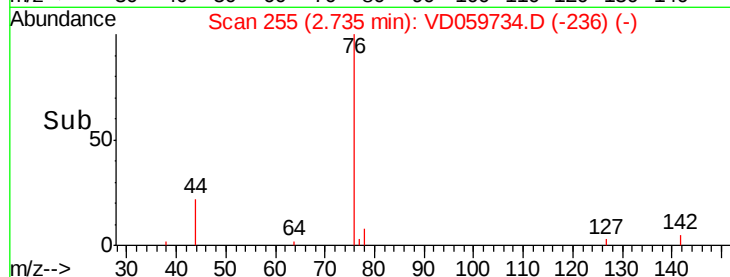
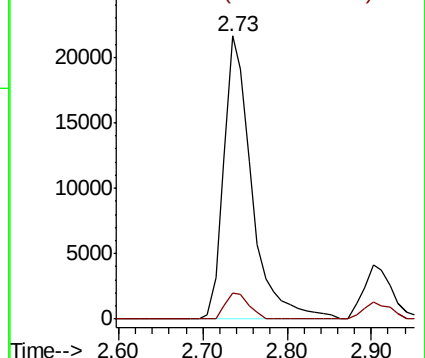
76 100

78 9.2 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.92 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059734.D

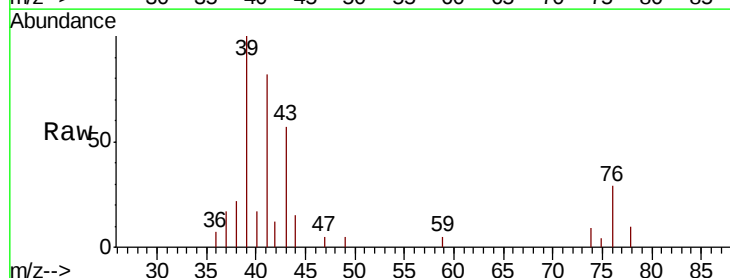
Acq: 10 Aug 2018 17:41

Tgt Ion: 43 Resp: 12840

Ion Ratio Lower Upper

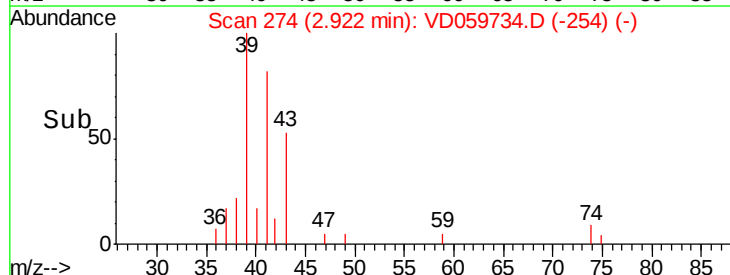
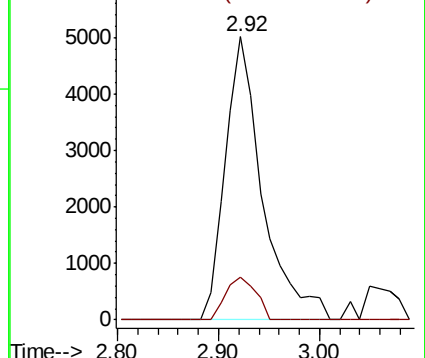
43 100

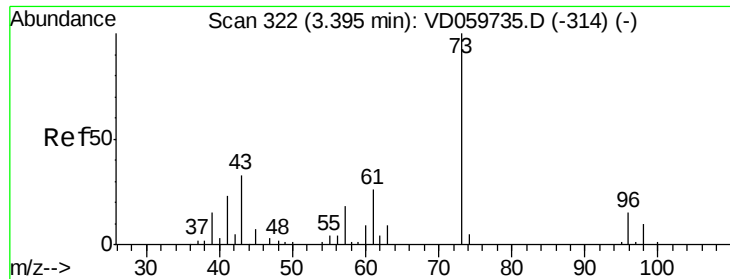
74 15.3 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

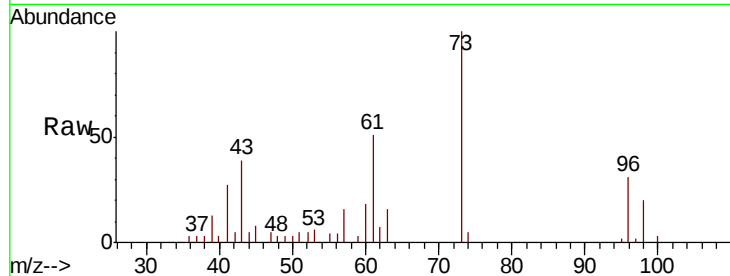




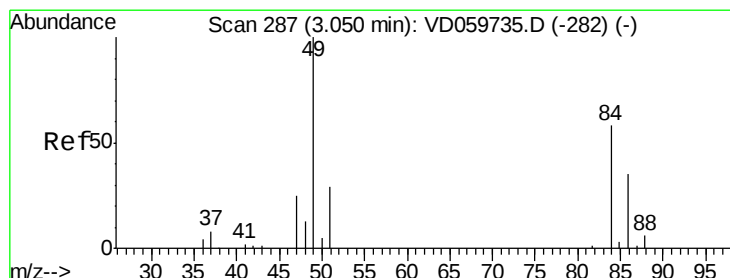
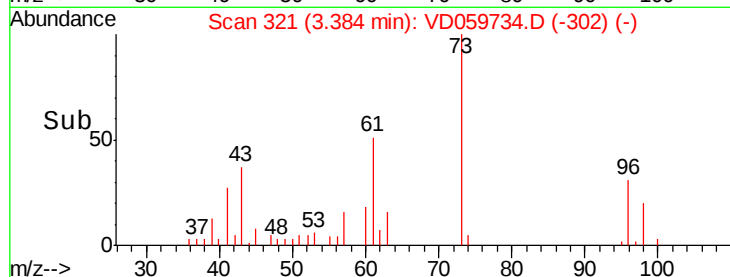
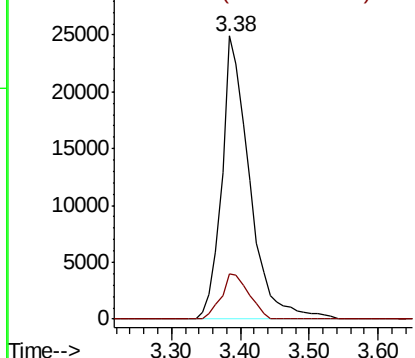
#19
Methvl tert-butvl Ether
Concen: 23.28 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 69608
Ion Ratio Lower Upper
73 100
57 16.1 14.8 22.2

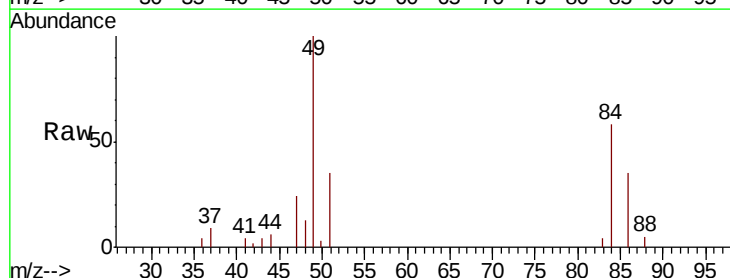


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

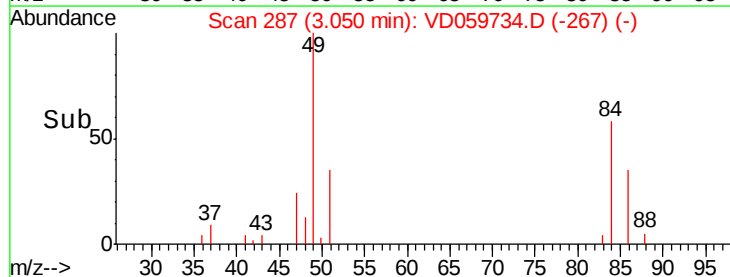
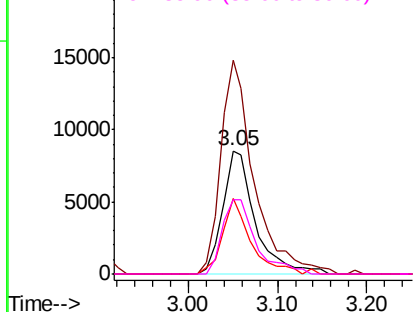


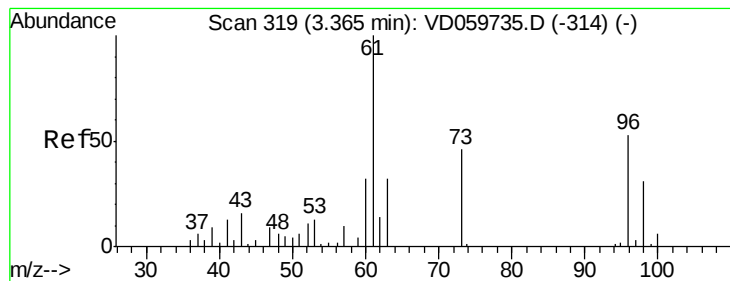
#20
Methylene Chloride
Concen: 14.81 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 84 Resp: 21890
Ion Ratio Lower Upper
84 100
49 172.9 138.9 208.3
51 60.8 40.2 60.2#
86 60.1 49.1 73.7



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





#21

trans-1,2-Dichloroethene

Concen: 21.82 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.02 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

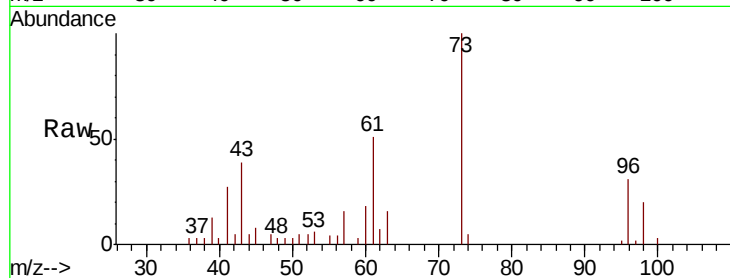
Tot Ion: 96 Resp: 22043

Ion Ratio Lower Upper

96 100

61 161.2 152.0 228.0

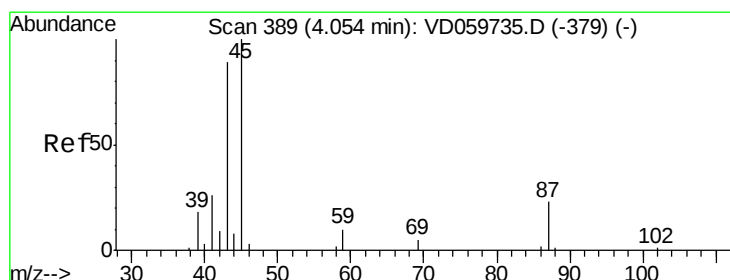
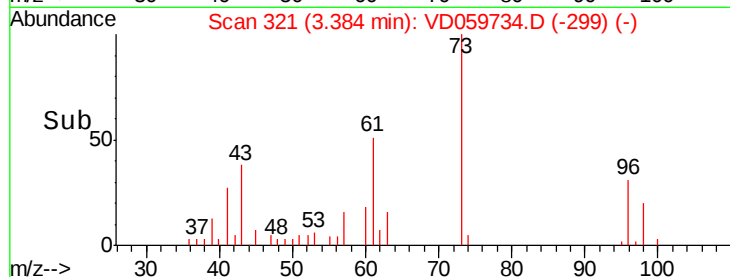
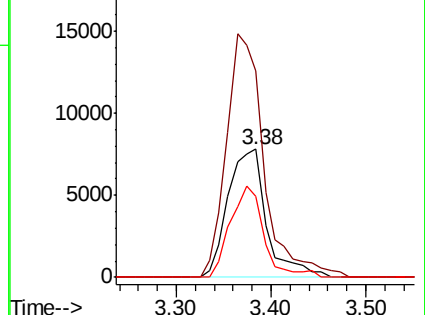
98 63.2 47.4 71.2



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: 16.85 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Tgt Ion: 45 Resp: 68226

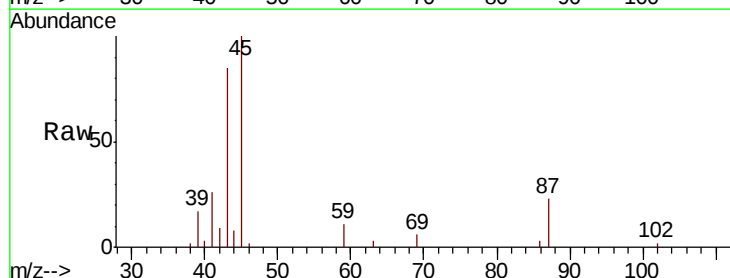
Ion Ratio Lower Upper

45 100

43 84.6 75.5 113.3

87 22.7 19.4 29.0

59 10.9 8.5 12.7

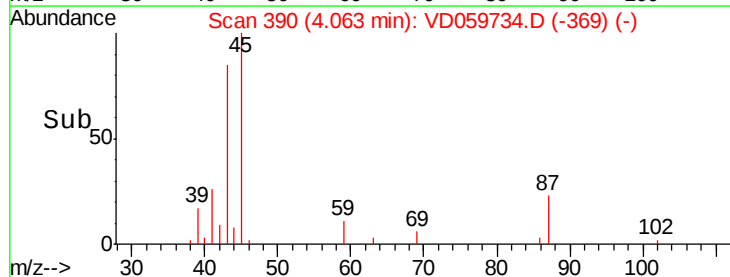
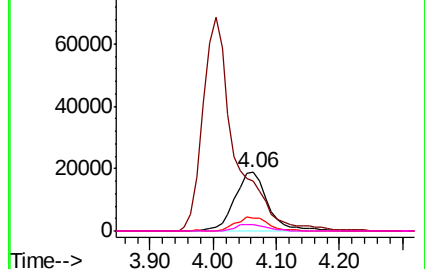


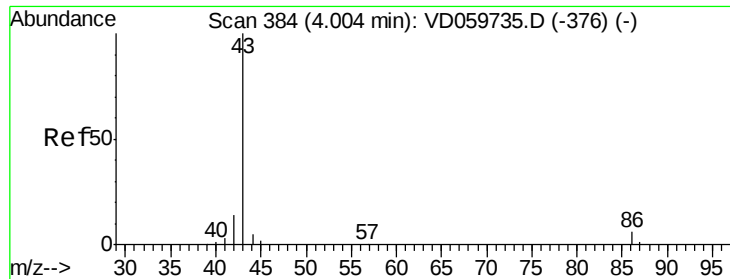
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

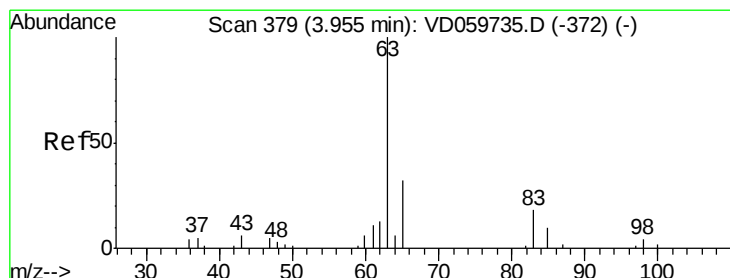
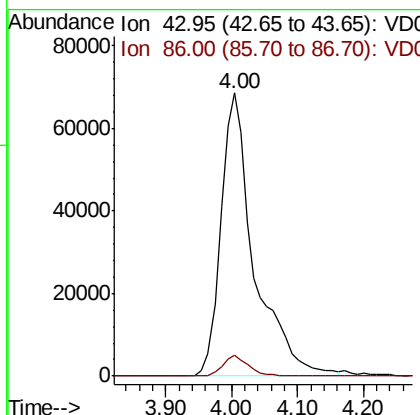
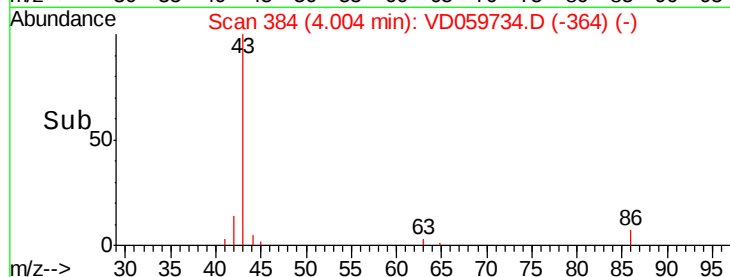
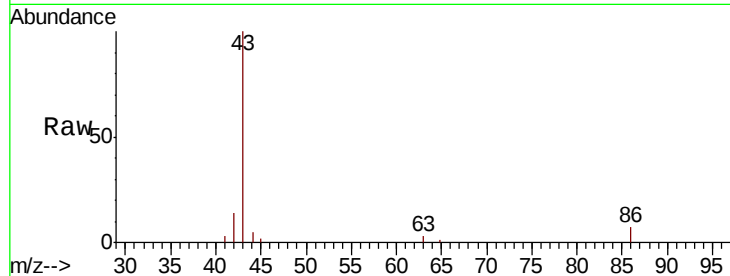




#23
 Vinyl Acetate
 Concen: 92.40 ug/l
 RT: 4.00 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

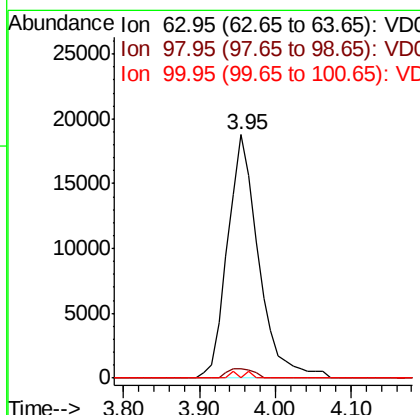
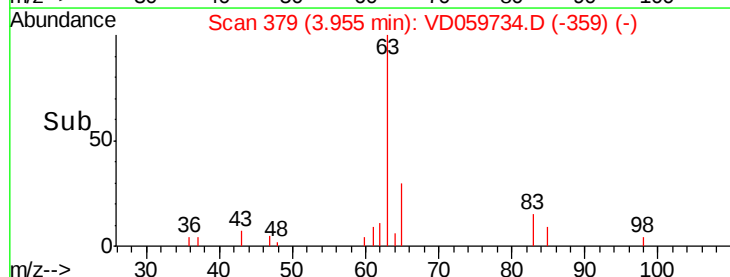
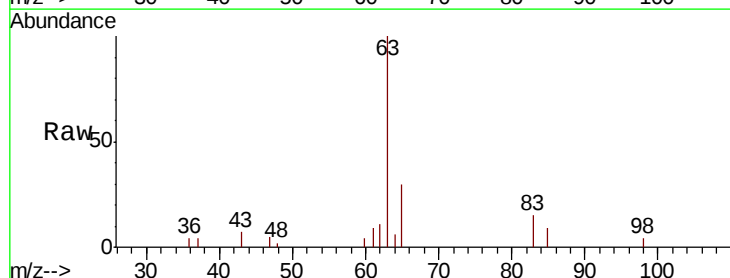
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

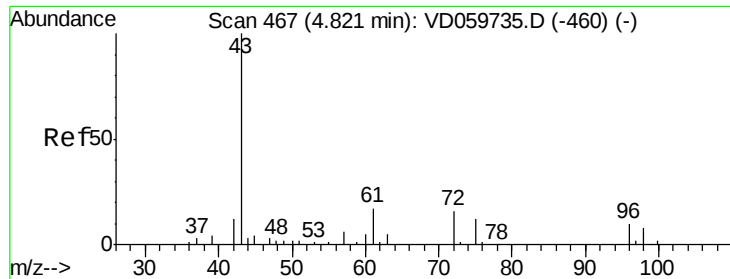
Tot Ion: 43 Resp: 240821
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 19.76 ug/l
 RT: 3.95 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 63 Resp: 53402
 Ion Ratio Lower Upper
 63 100
 98 4.0 1.8 5.5
 100 0.0 1.1 3.1#





#25

2-Butanone

Concen: 76.73 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

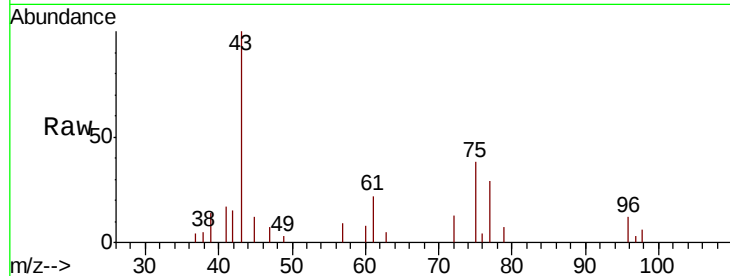
VSTDIC020

Tot Ion: 43 Resp: 37188

Ion Ratio Lower Upper

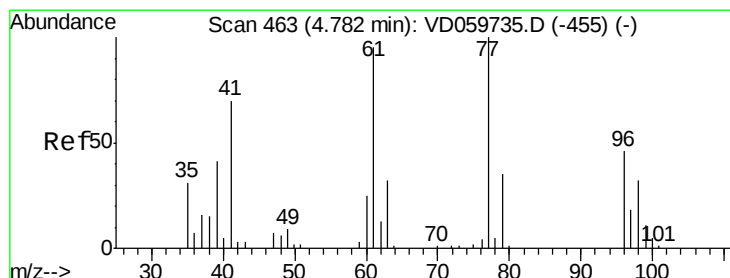
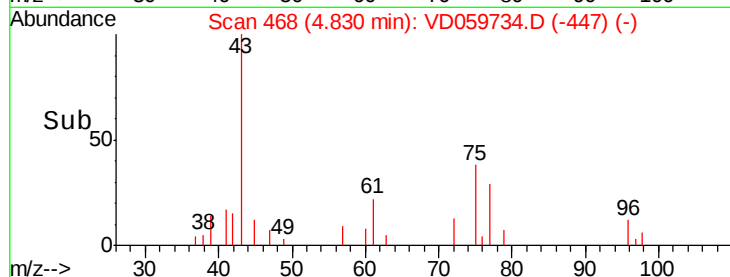
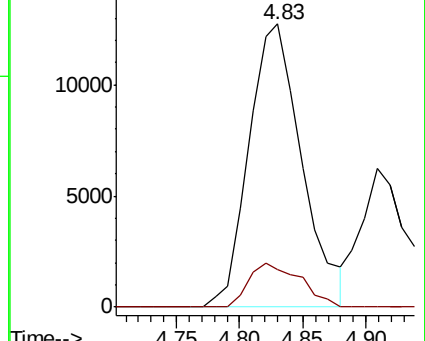
43 100

72 13.3 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: 21.48 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059734.D

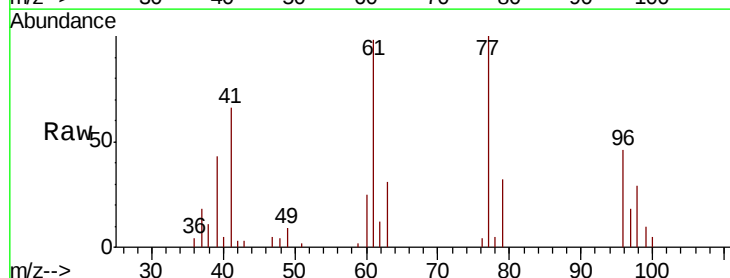
Acq: 10 Aug 2018 17:41

Tgt Ion: 77 Resp: 62855

Ion Ratio Lower Upper

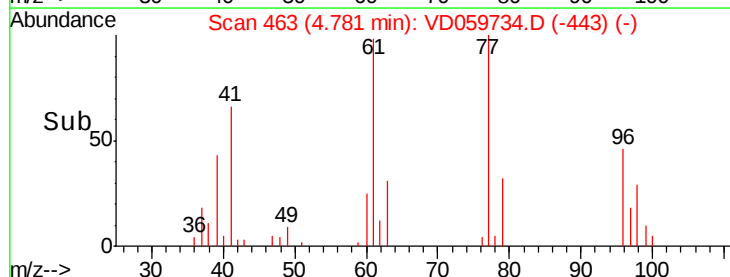
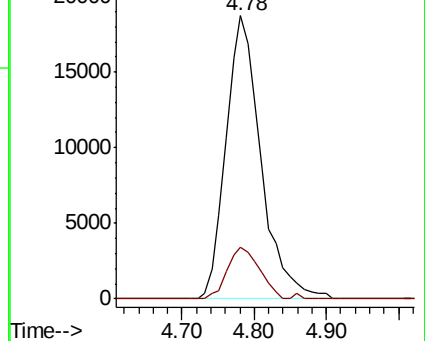
77 100

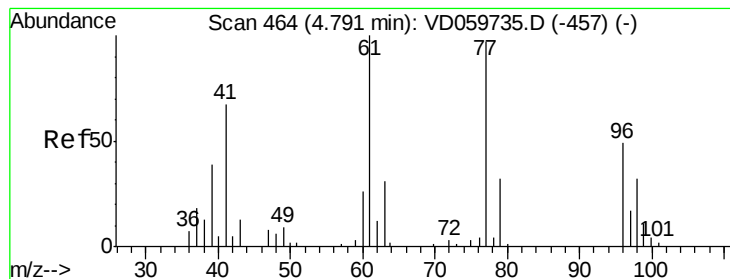
97 18.3 8.9 26.8



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: 19.27 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

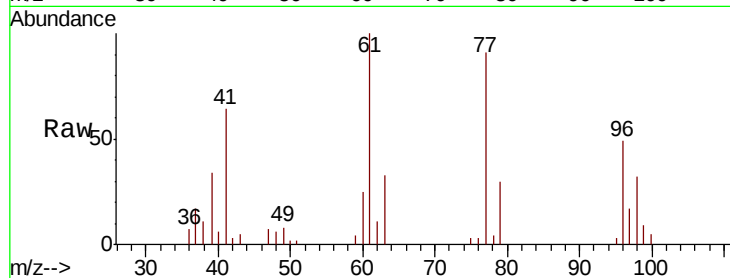
Tot Ion: 96 Resp: 27447

Ion Ratio Lower Upper

96 100

61 205.3 0.0 409.8

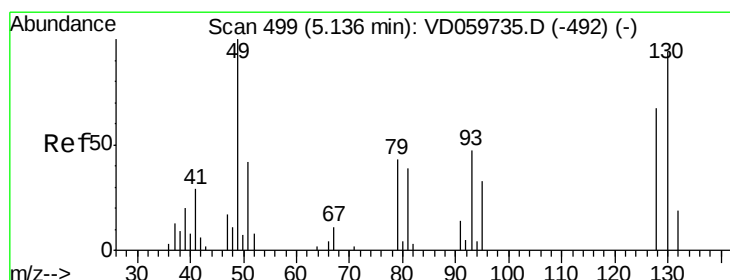
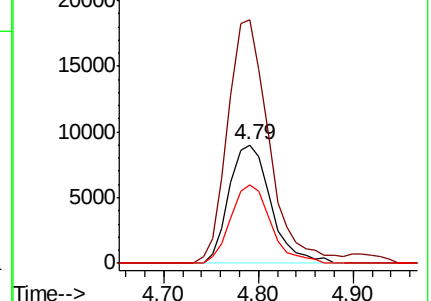
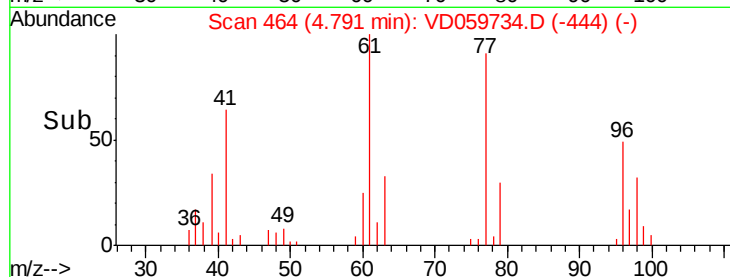
98 65.7 0.0 132.8



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: 17.90 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

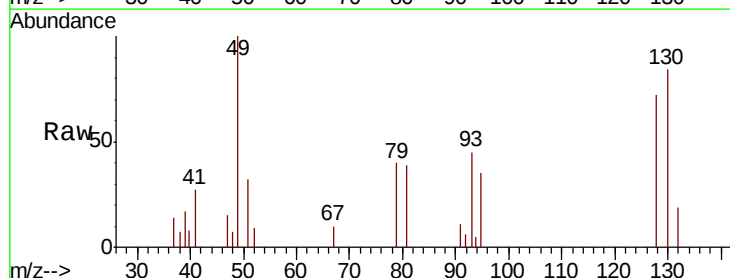
Tgt Ion: 49 Resp: 18178

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

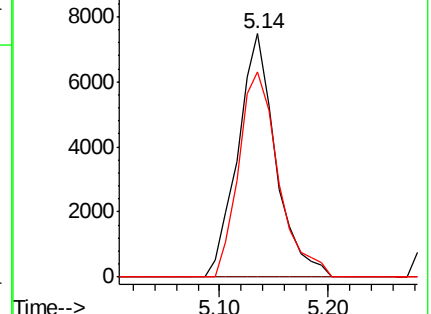
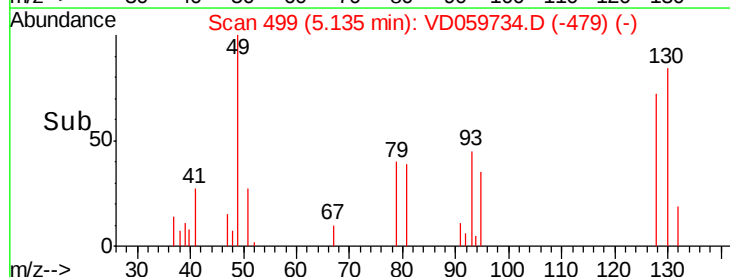
130 84.3 75.0 112.6

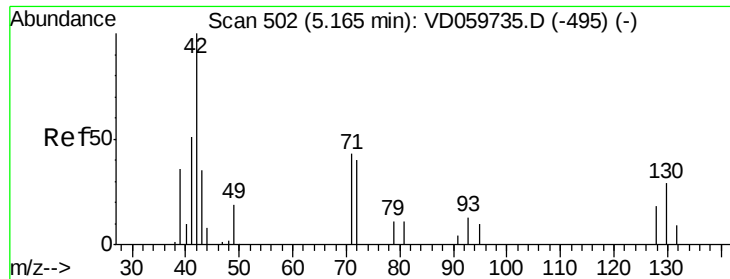


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

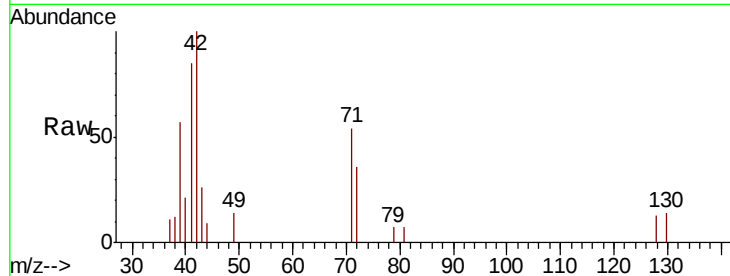




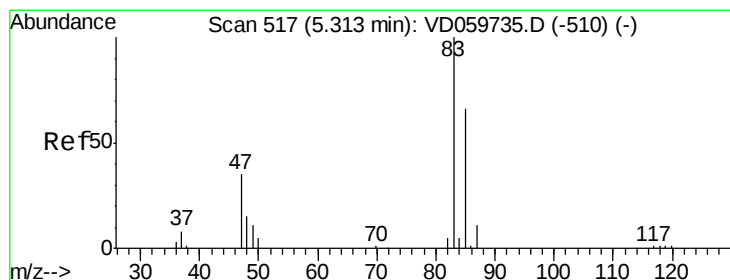
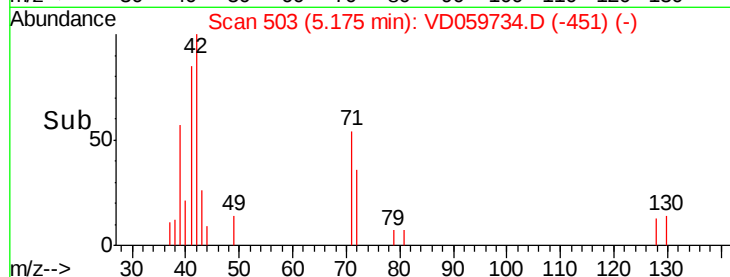
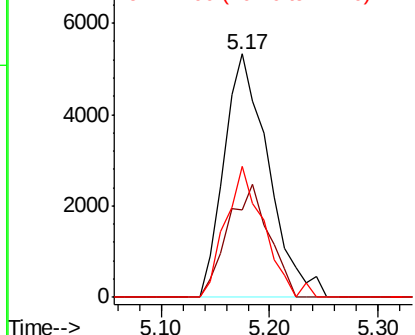
#29
Tetrahydrofuran
Concen: 80.29 ug/l
RT: 5.17 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 15152
Ion Ratio Lower Upper
42 100
72 43.1 35.3 52.9
71 46.7 37.1 55.7

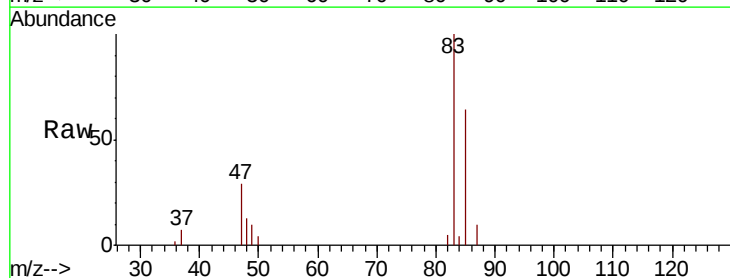


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

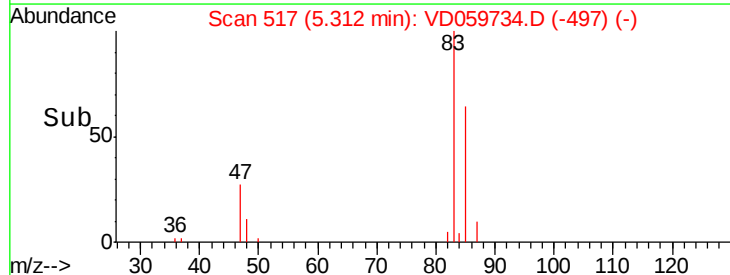
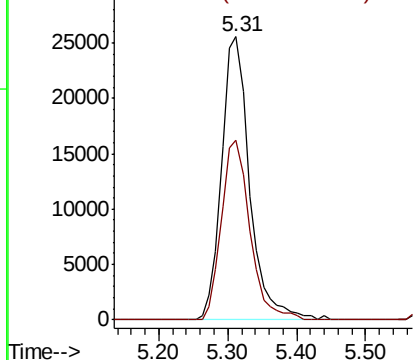


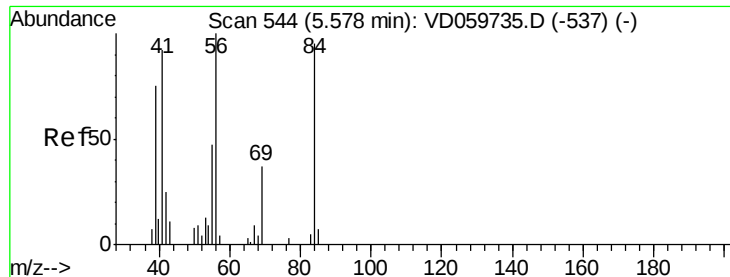
#30
Chloroform
Concen: 21.48 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 83 Resp: 72105
Ion Ratio Lower Upper
83 100
85 63.7 52.9 79.3



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

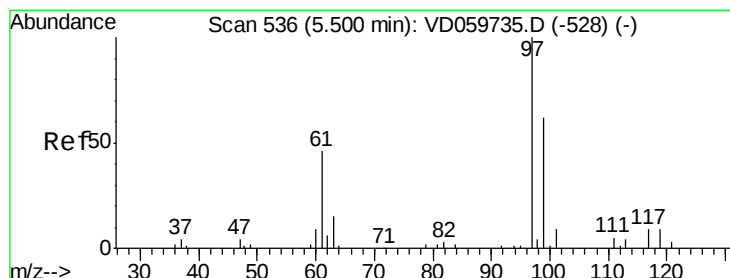
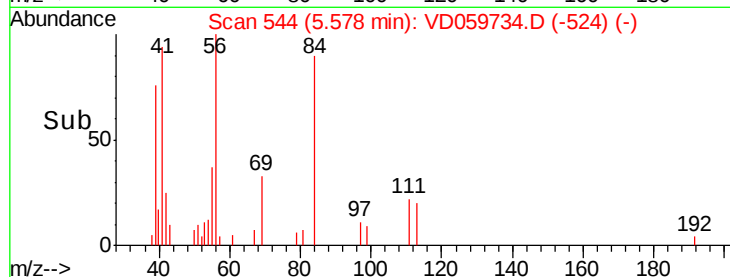
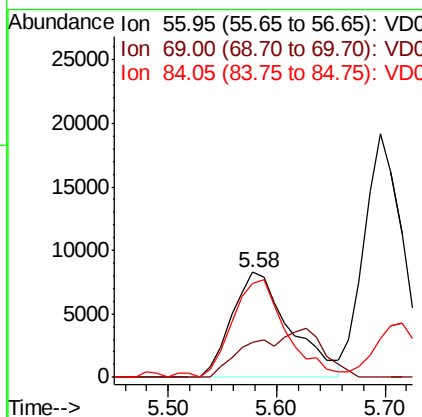
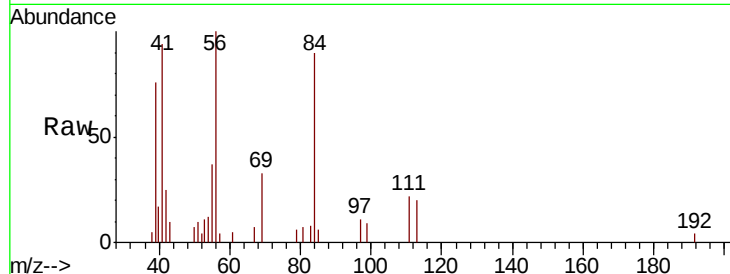




#31
Cyclohexane
Concen: 15.79 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

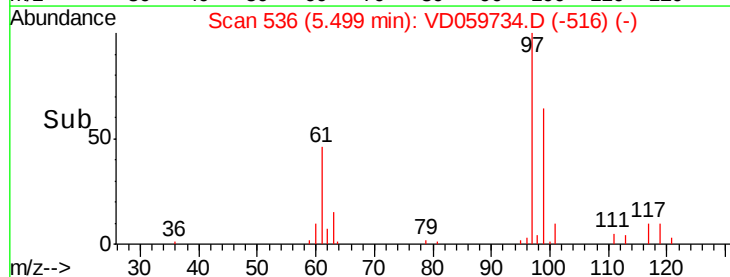
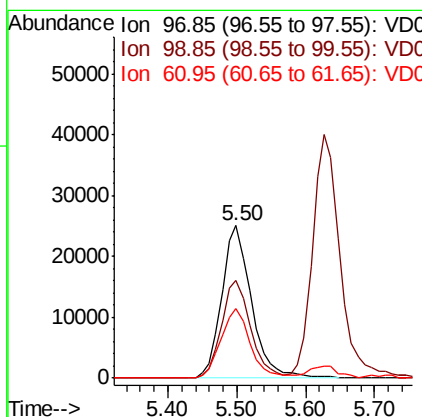
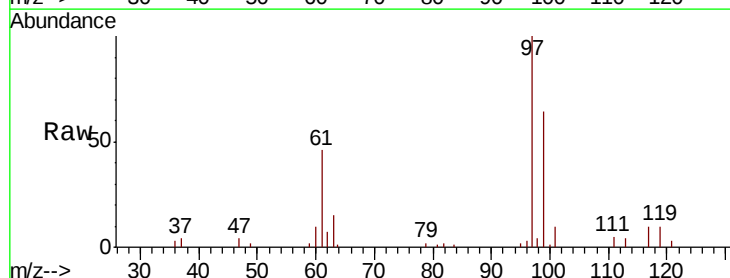
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

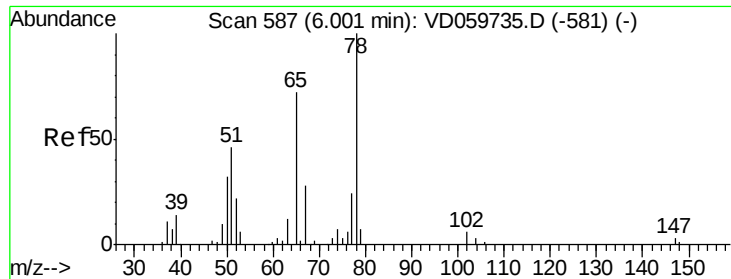
Tot Ion: 56 Resp: 31071
Ion Ratio Lower Upper
56 100
69 33.1 29.3 43.9
84 89.9 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 22.75 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 97 Resp: 74903
Ion Ratio Lower Upper
97 100
99 64.3 49.8 74.6
61 45.9 37.0 55.4

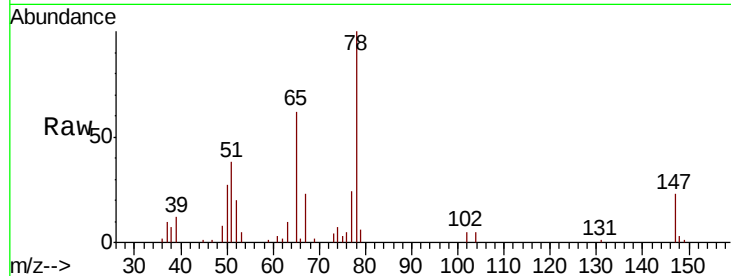




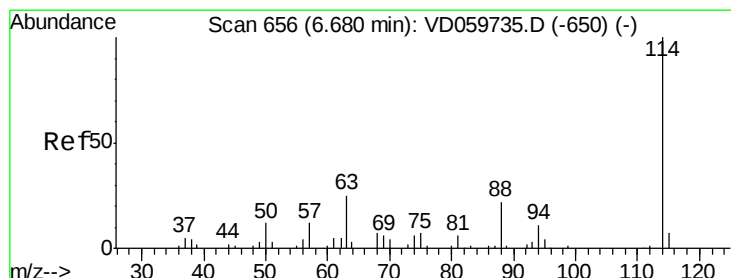
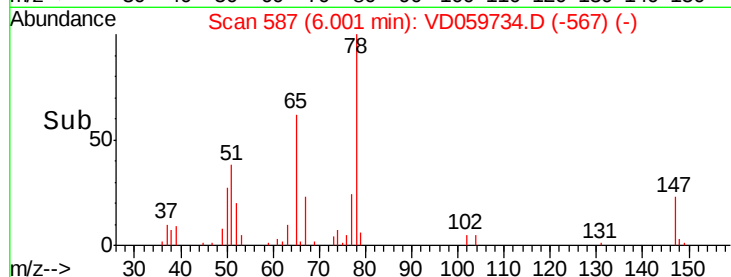
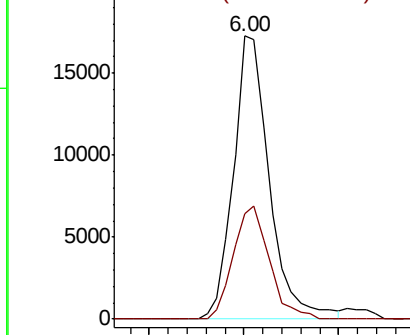
#33
 1,2-Dichloroethane-d4
 Concen: 22.75 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 45408
 Ion Ratio Lower Upper
 65 100
 67 37.1 0.0 77.4

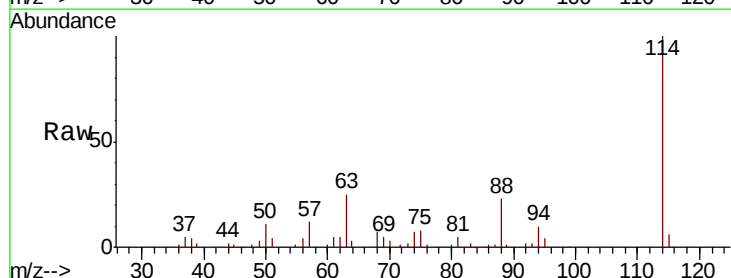


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

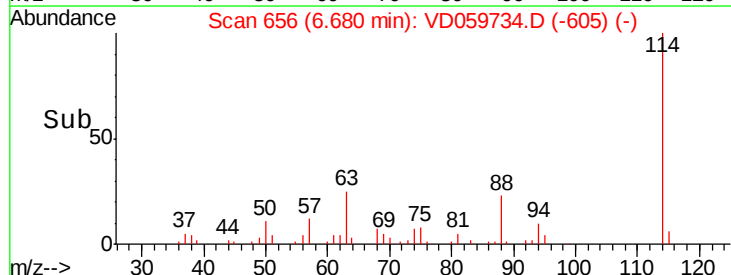
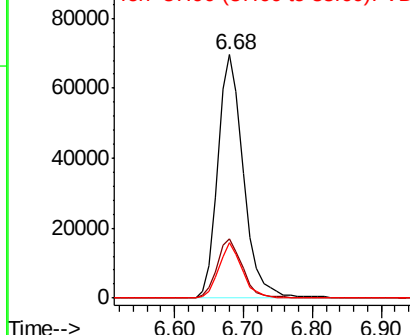


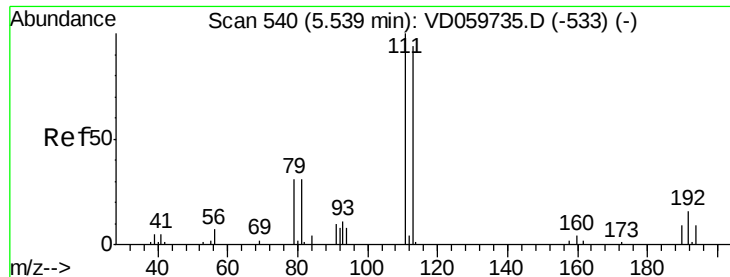
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 114 Resp: 178642
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 22.7 0.0 43.4



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

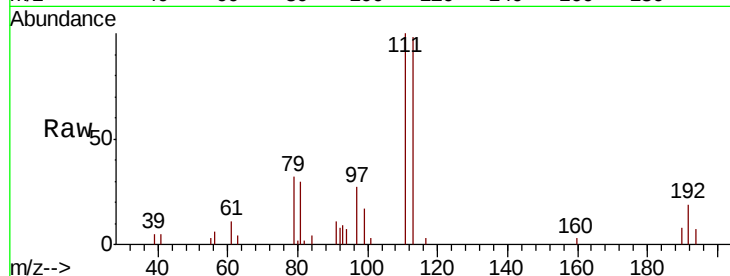
Tot Ion:113 Resp: 37417

Ion Ratio Lower Upper

113 100

111 101.5 85.3 127.9

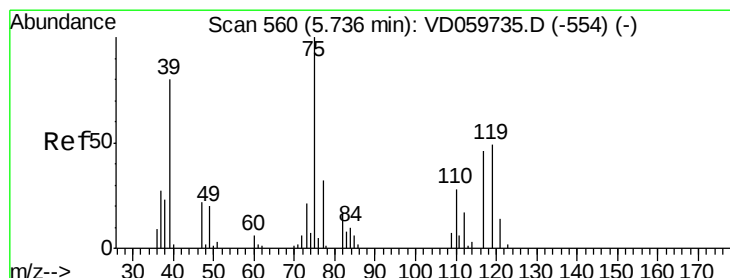
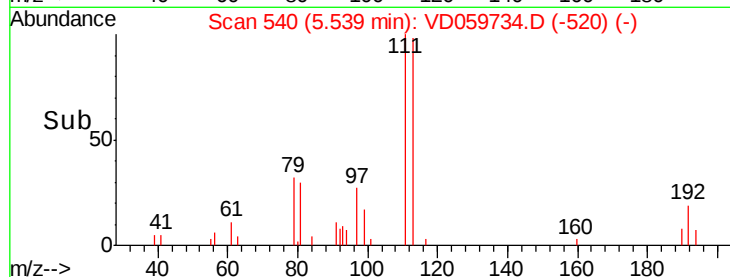
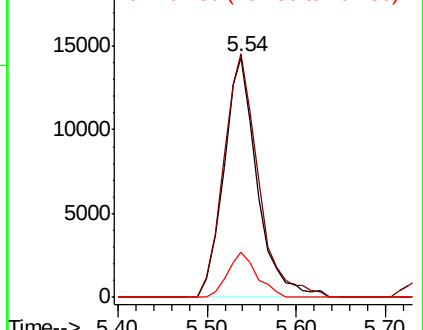
192 19.1 13.9 20.9



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.71 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

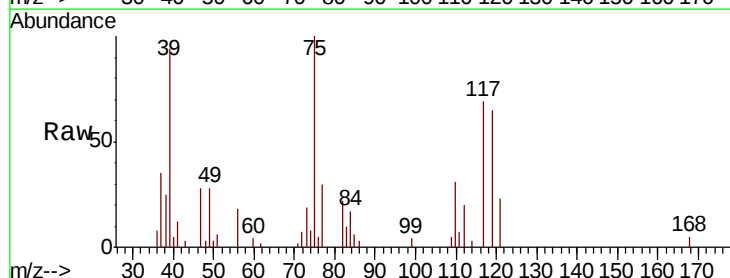
Tgt Ion: 75 Resp: 41183

Ion Ratio Lower Upper

75 100

110 30.7 13.7 41.0

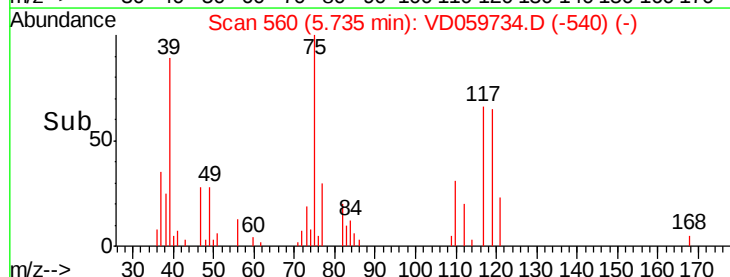
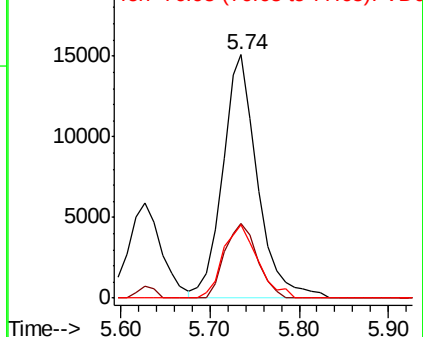
77 29.9 25.4 38.2

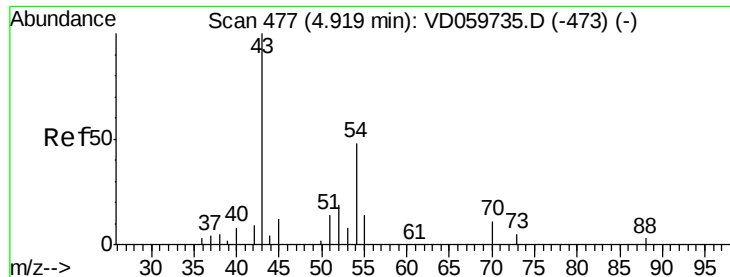


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

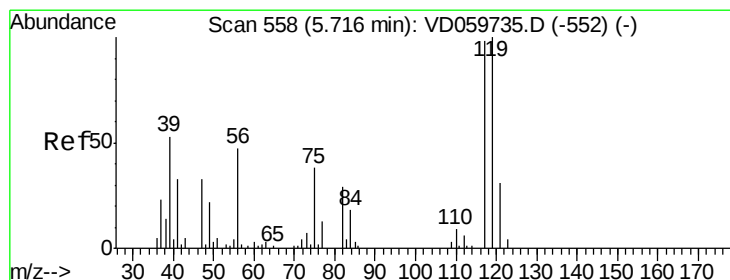
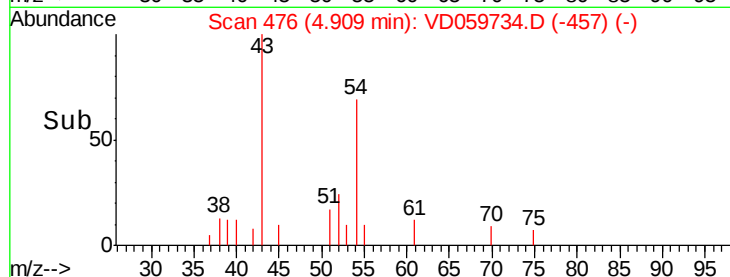
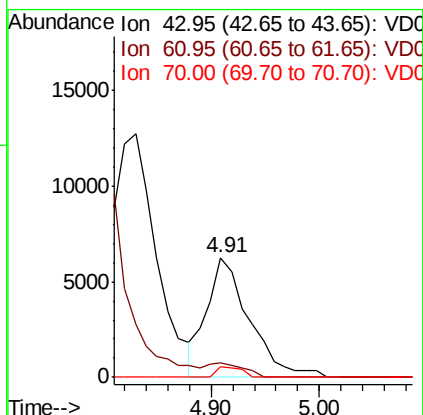
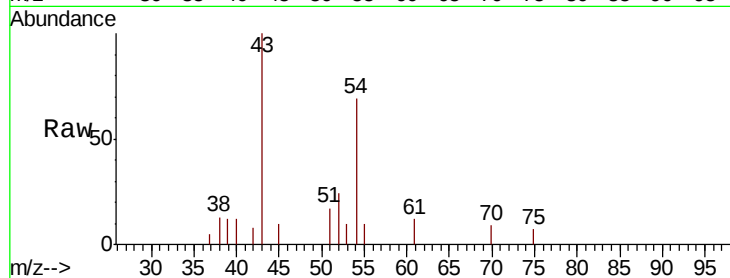




#37
Ethyl Acetate
Concen: 17.74 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

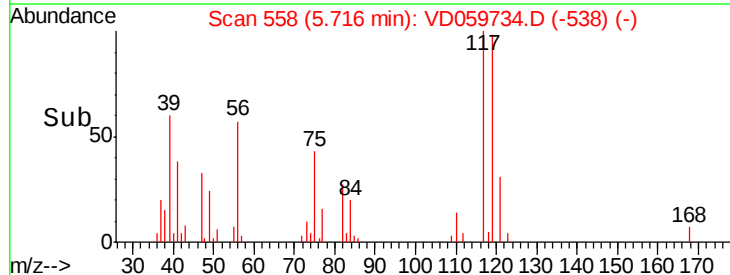
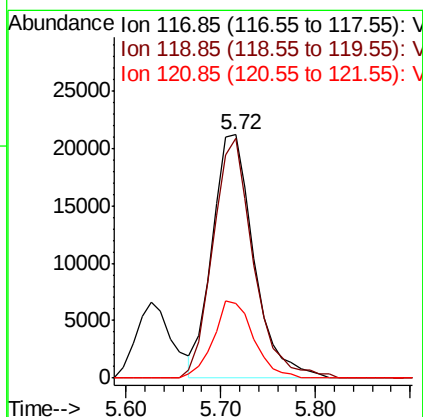
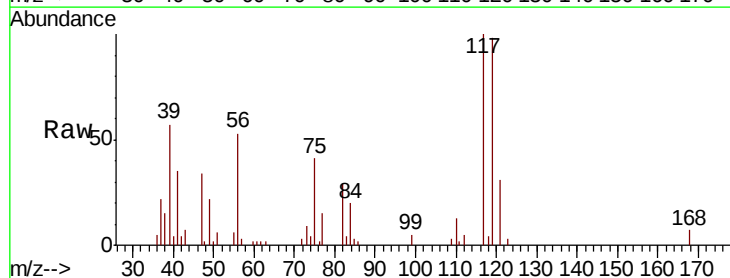
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

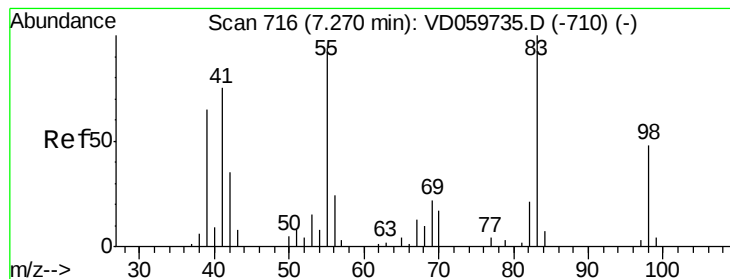
Tot Ion: 43 Resp: 17121
Ion Ratio Lower Upper
43 100
61 11.9 7.4 11.0#
70 9.1 5.8 8.8#



#38
Carbon Tetrachloride
Concen: 23.51 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 117 Resp: 64576
Ion Ratio Lower Upper
117 100
119 98.4 78.2 117.2
121 30.7 23.9 35.9





#39

Methylcyclohexane

Concen: 19.43 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

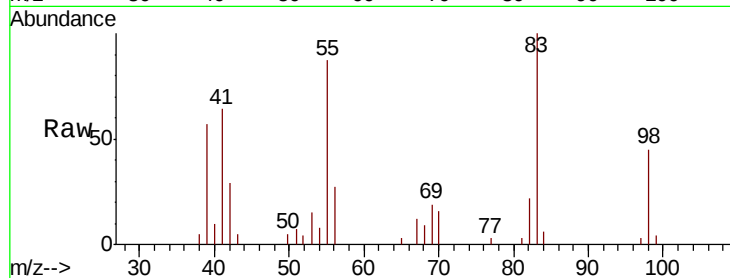
Tot Ion: 83 Resp: 31917

Ion Ratio Lower Upper

83 100

55 87.5 75.1 112.7

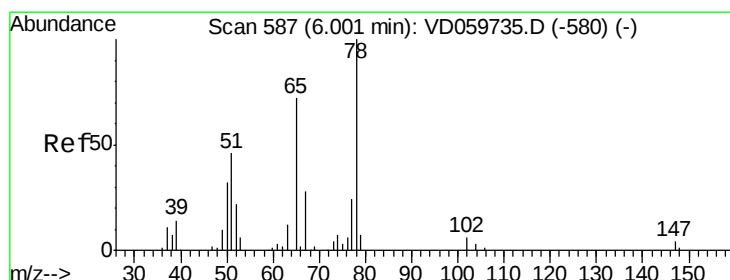
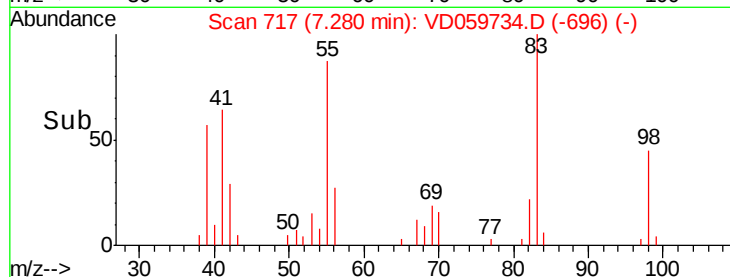
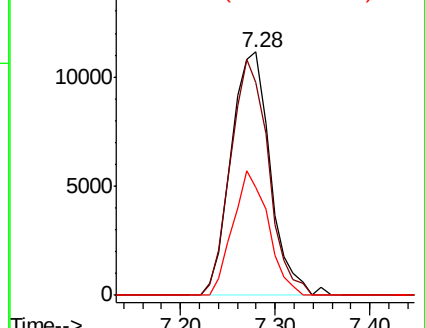
98 44.5 38.7 58.1



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: 19.53 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.00 min

Lab File: VD059734.D

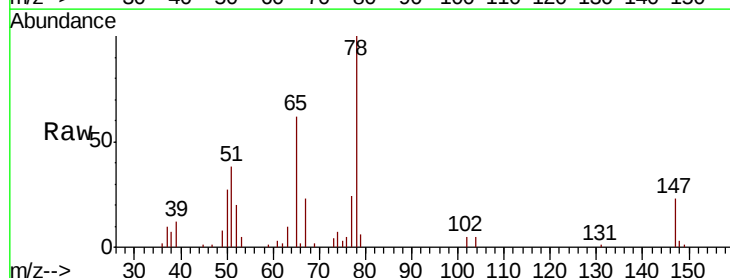
Acq: 10 Aug 2018 17:41

Tgt Ion: 78 Resp: 74029

Ion Ratio Lower Upper

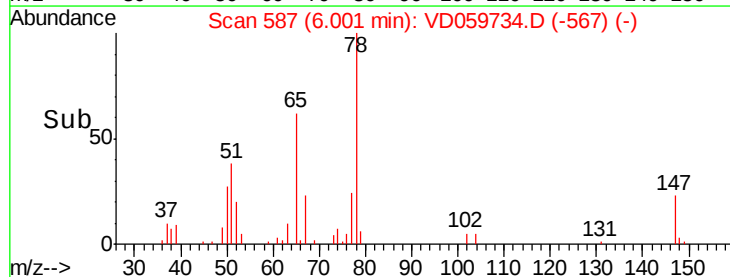
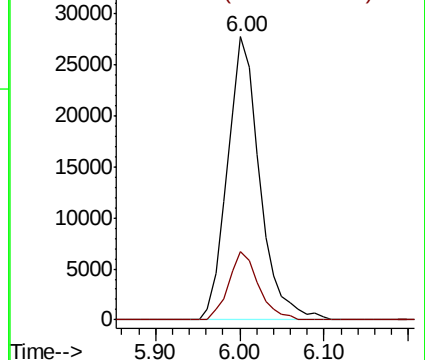
78 100

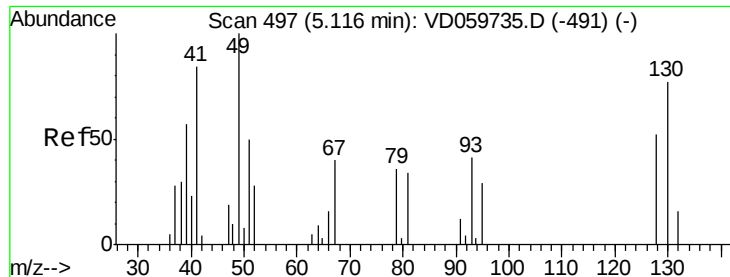
77 24.0 19.4 29.0



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

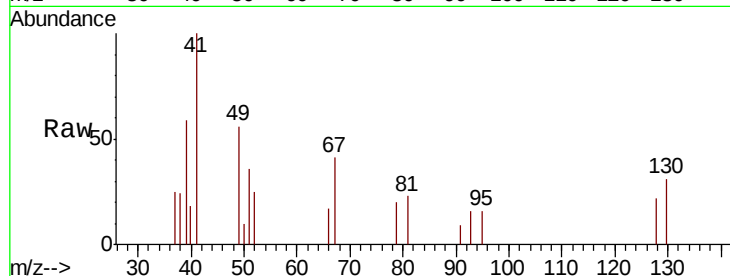




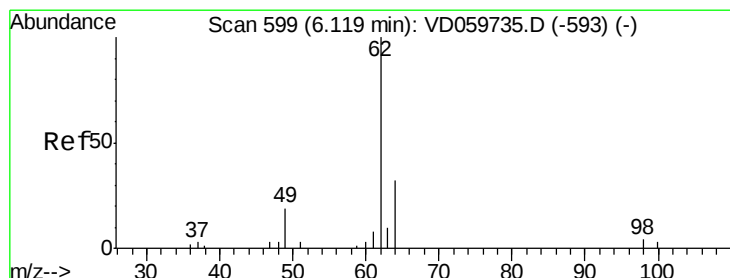
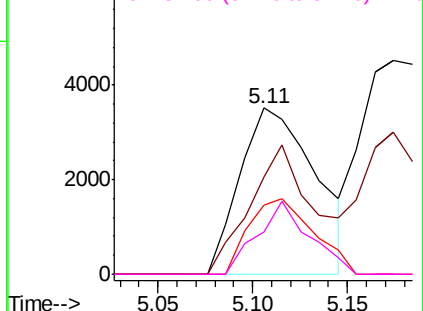
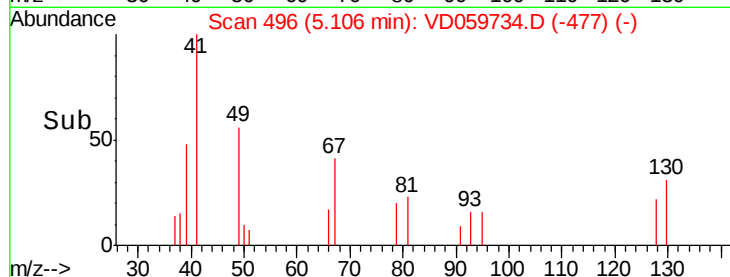
#41
Methacrylonitrile
Concen: 22.28 ug/l
RT: 5.11 min Scan# 496
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 9808
Ion Ratio Lower Upper
41 100
39 58.6 54.3 81.5
67 41.3 38.2 57.2
52 25.2 26.8 40.2#

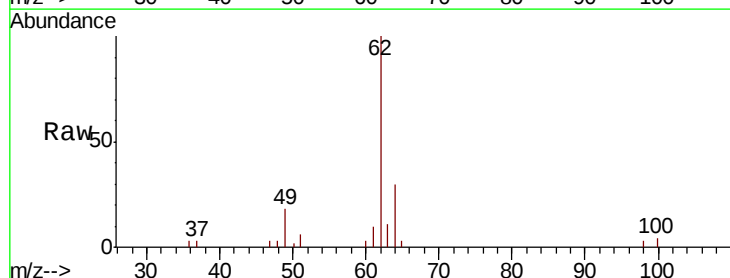


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

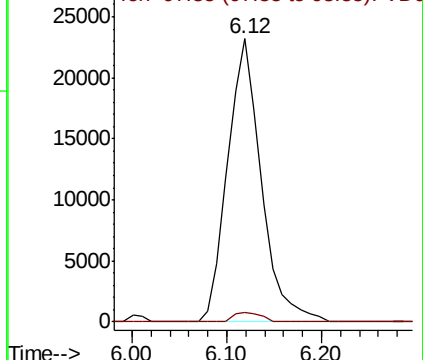
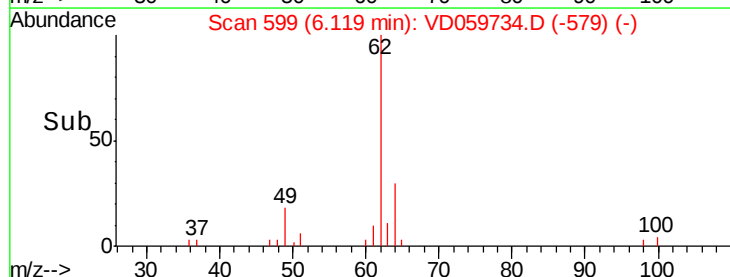


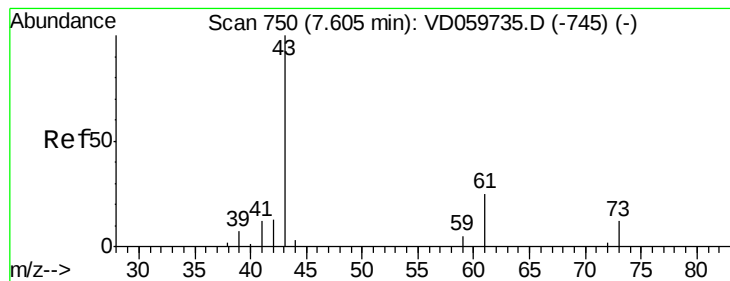
#42
1,2-Dichloroethane
Concen: 23.19 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 62 Resp: 57226
Ion Ratio Lower Upper
62 100
98 3.4 0.0 8.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



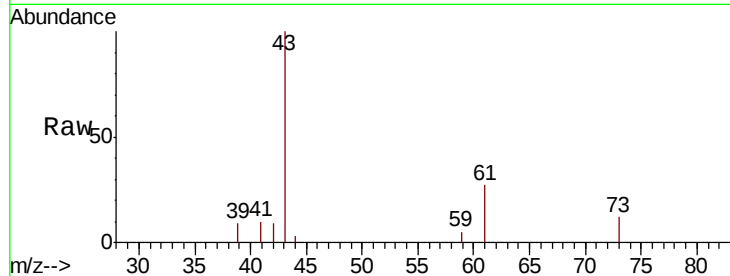


#43

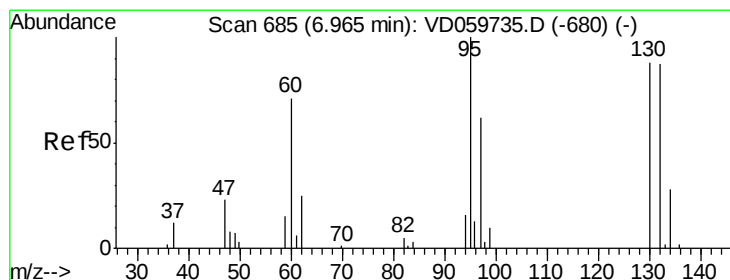
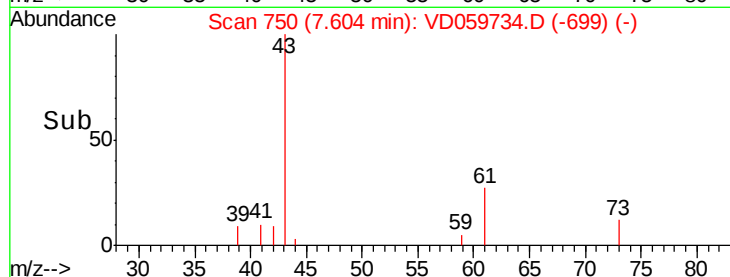
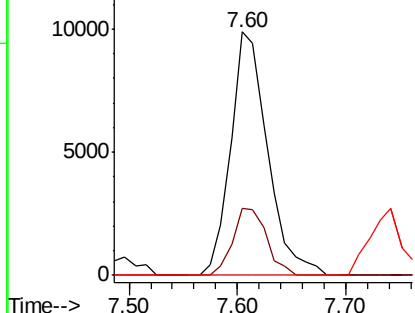
Isopropyl Acetate
 Concen: 18.88 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 23484
 Ion Ratio Lower Upper
 43 100
 61 27.4 19.8 29.8
 87 0.0 0.0 0.0



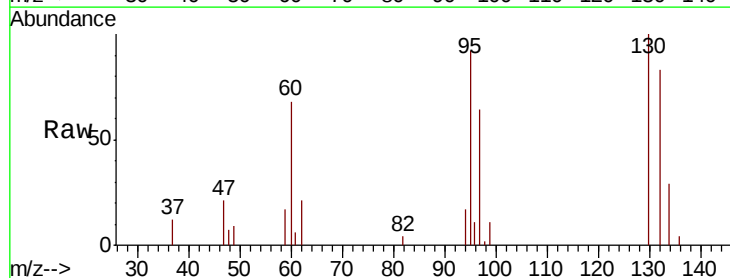
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



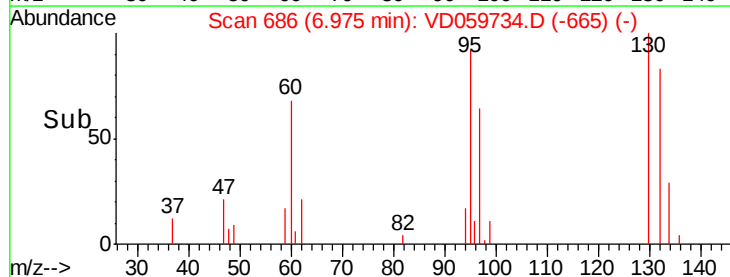
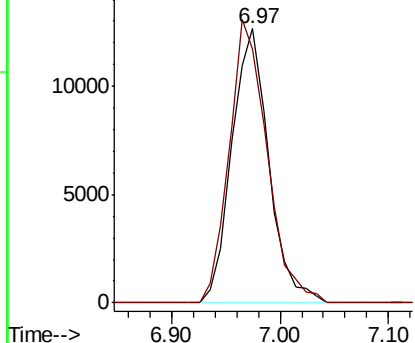
#44

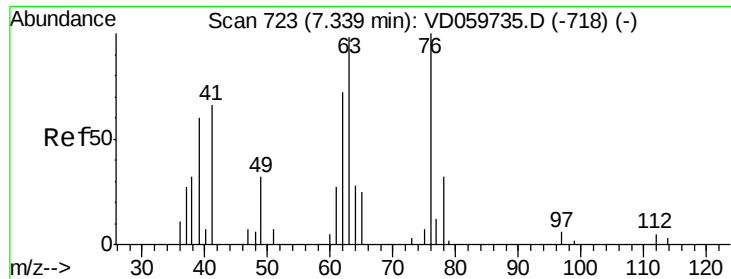
Trichloroethene
 Concen: 21.21 ug/l
 RT: 6.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 130 Resp: 30043
 Ion Ratio Lower Upper
 130 100
 95 92.5 0.0 226.4



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





#45

1,2-Dichloropropane

Concen: 17.69 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

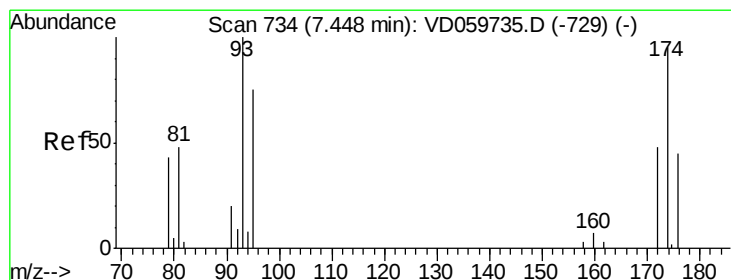
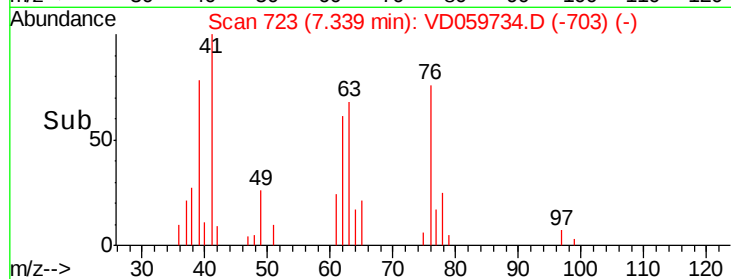
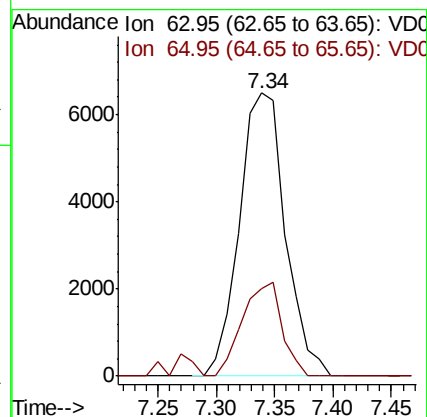
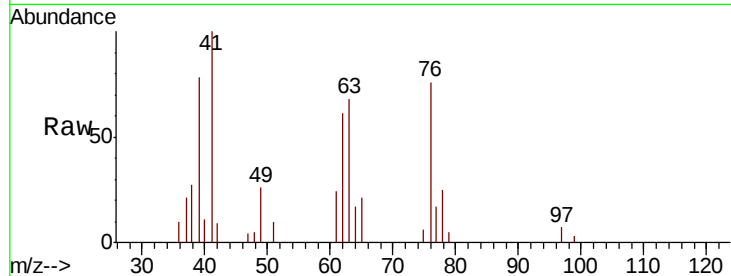
VSTDIC020

Tot Ion: 63 Resp: 17690

Ion Ratio Lower Upper

63 100

65 31.0 23.0 34.4



#46

Dibromomethane

Concen: 22.70 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

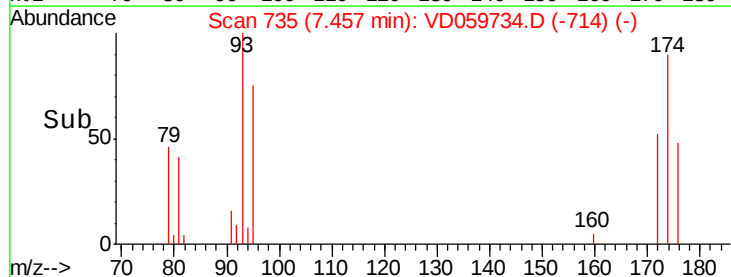
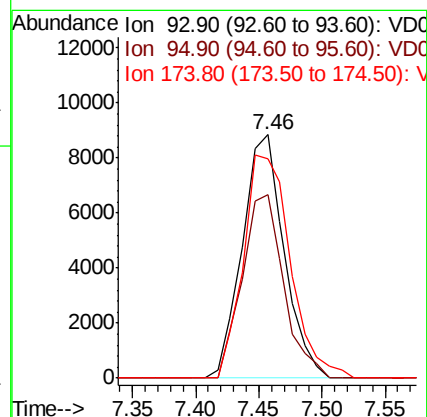
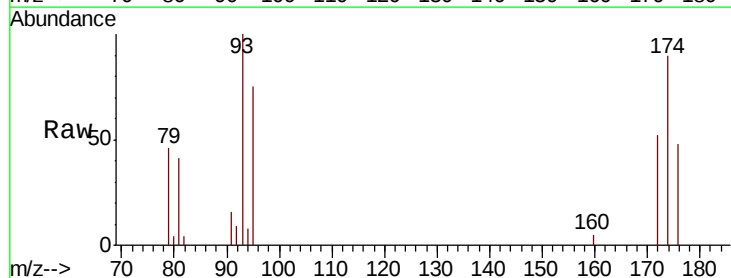
Tgt Ion: 93 Resp: 20316

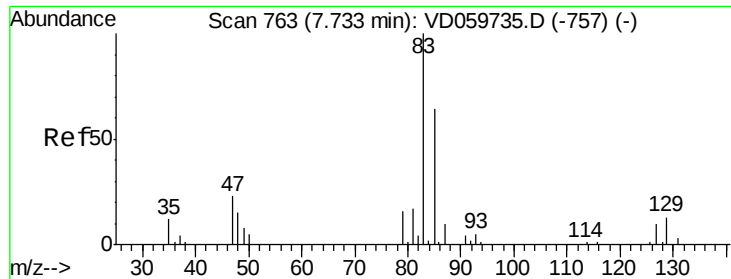
Ion Ratio Lower Upper

93 100

95 75.1 60.2 90.2

174 90.0 75.6 113.4





#47

Bromodichloromethane

Concen: 22.79 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

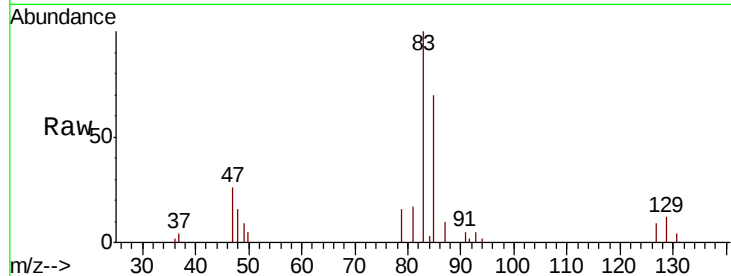
Tot Ion: 83 Resp: 52424

Ion Ratio Lower Upper

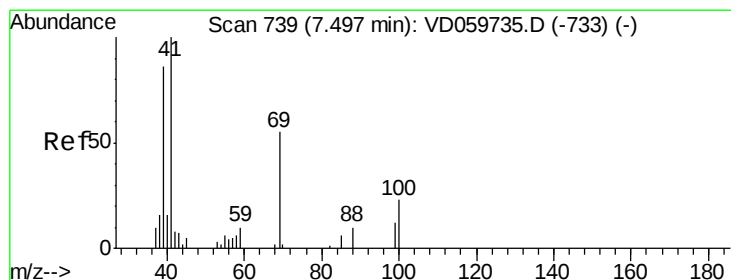
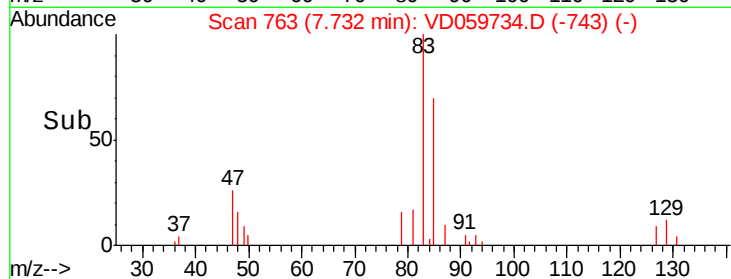
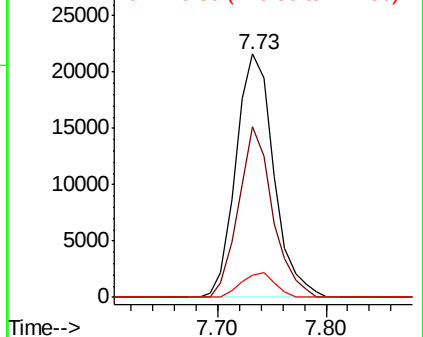
83 100

85 70.0 51.6 77.4

127 9.3 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: 21.34 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

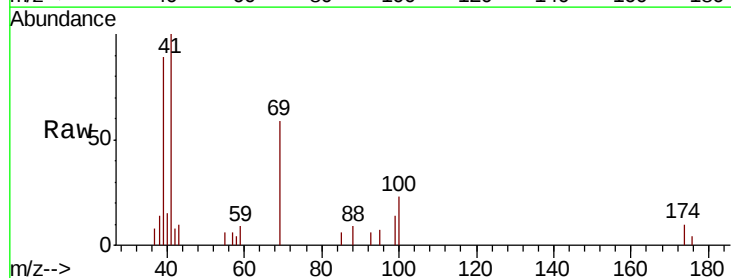
Tgt Ion: 41 Resp: 17892

Ion Ratio Lower Upper

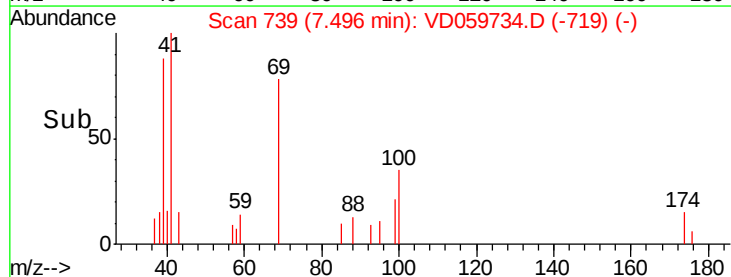
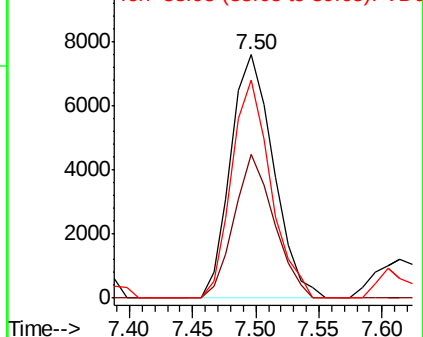
41 100

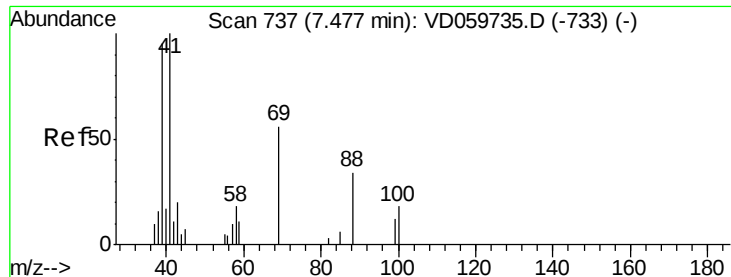
69 59.2 43.8 65.6

39 89.3 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

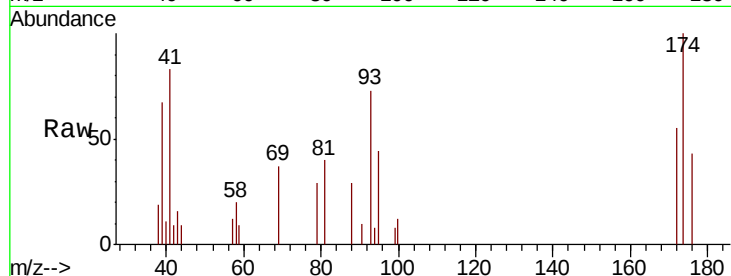




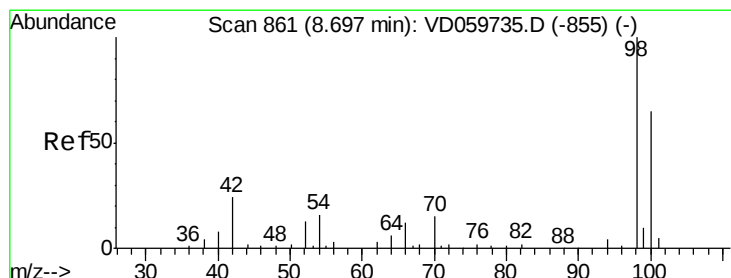
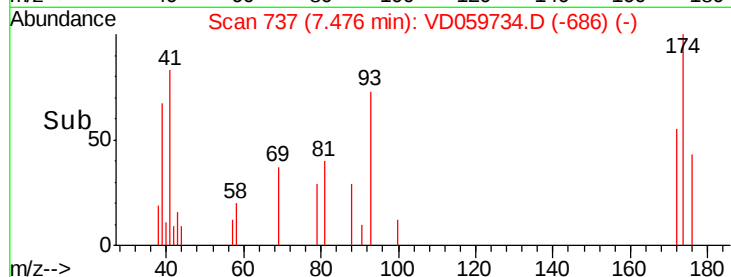
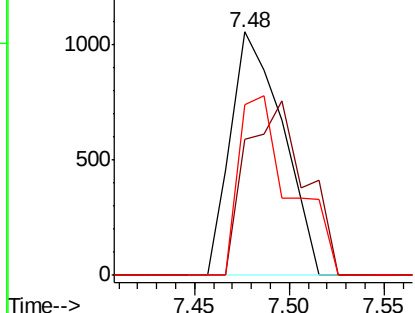
#49
1,4-Dioxane
Concen: 315.60 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 2009
Ion Ratio Lower Upper
88 100
43 55.8 46.7 70.1
58 70.2 42.1 63.1#

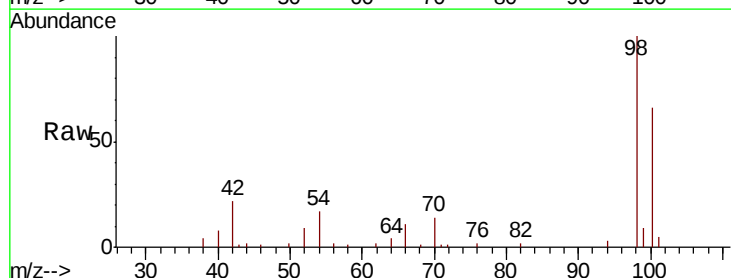


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

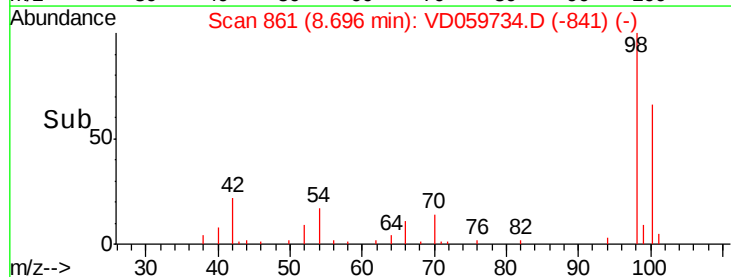
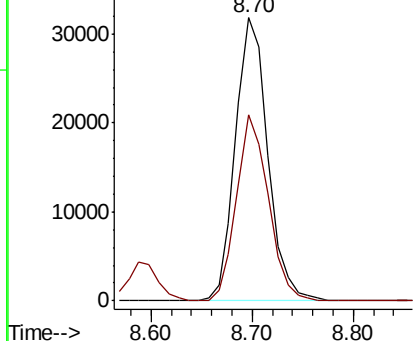


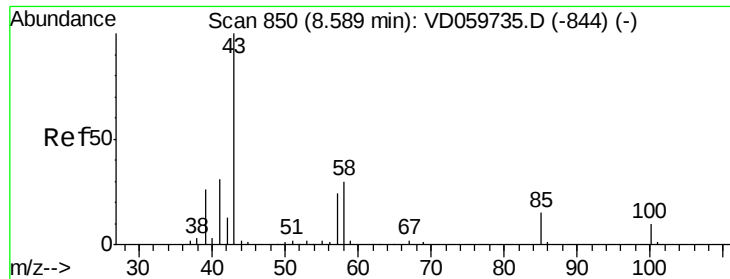
#50
Toluene-d8
Concen: 315.60 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 98 Resp: 71064
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 87.24 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

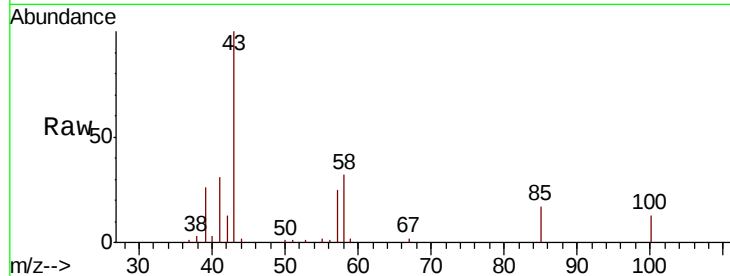
VSTDIC020

Tot Ion: 43 Resp: 80181

Ion Ratio Lower Upper

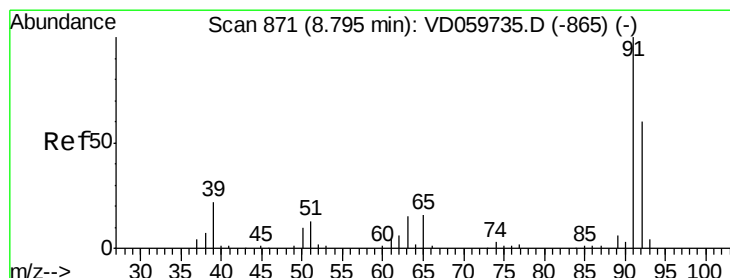
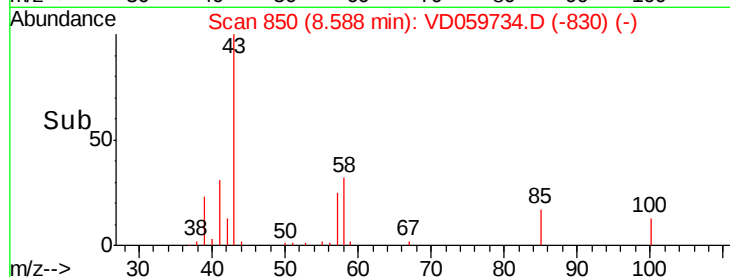
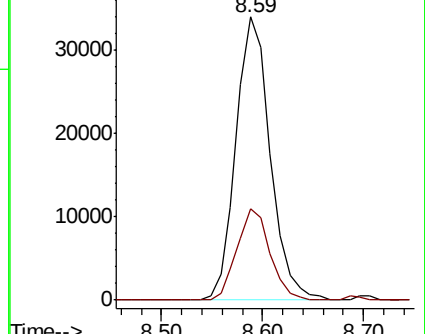
43 100

58 32.1 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: 18.62 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059734.D

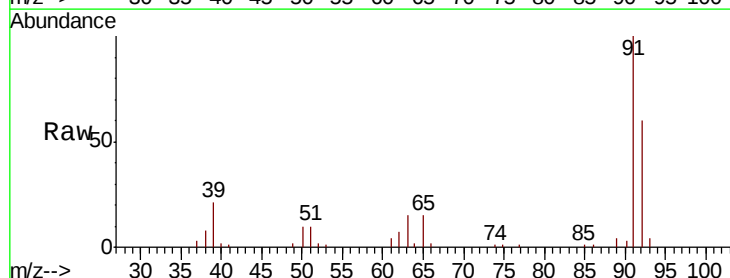
Acq: 10 Aug 2018 17:41

Tgt Ion: 92 Resp: 45222

Ion Ratio Lower Upper

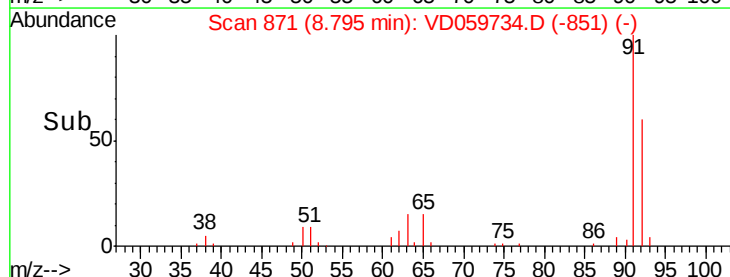
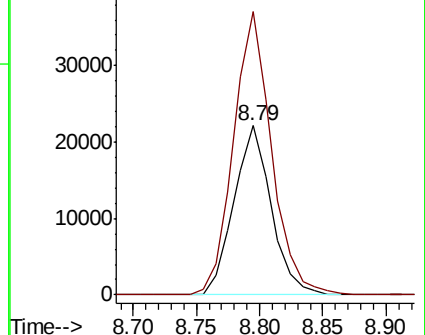
92 100

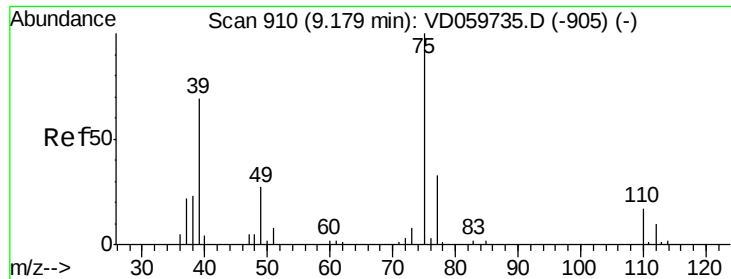
91 167.6 134.4 201.6



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: 21.67 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

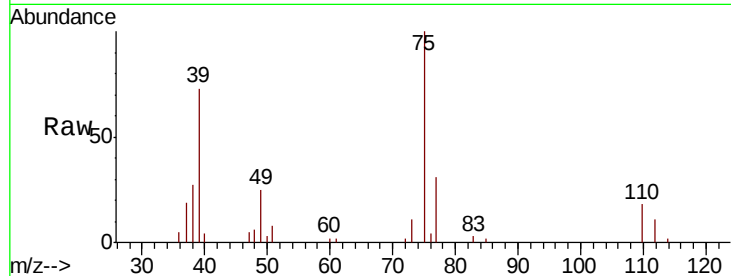
VSTDIC020

Tot Ion: 75 Resp: 41682

Ion Ratio Lower Upper

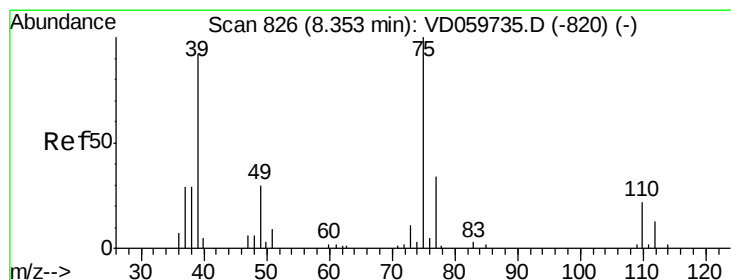
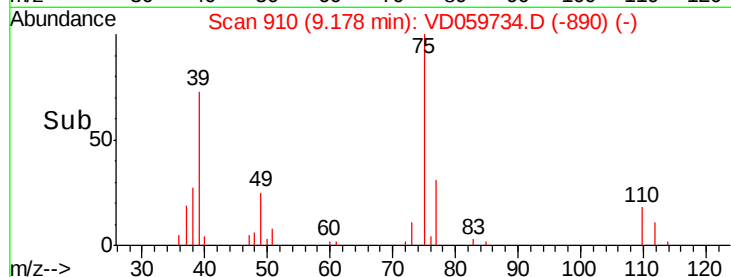
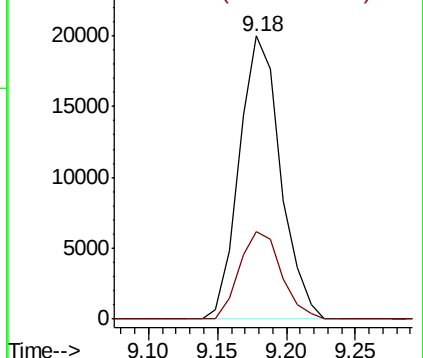
75 100

77 30.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.82 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

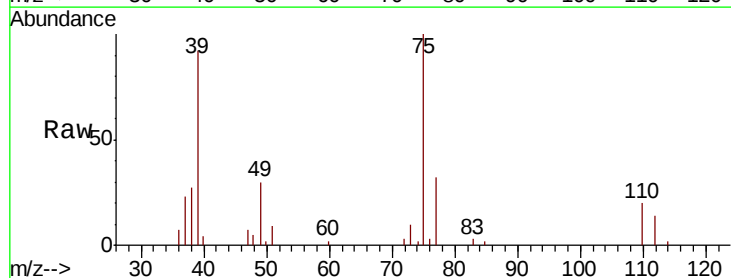
Tgt Ion: 75 Resp: 38614

Ion Ratio Lower Upper

75 100

77 32.4 27.2 40.8

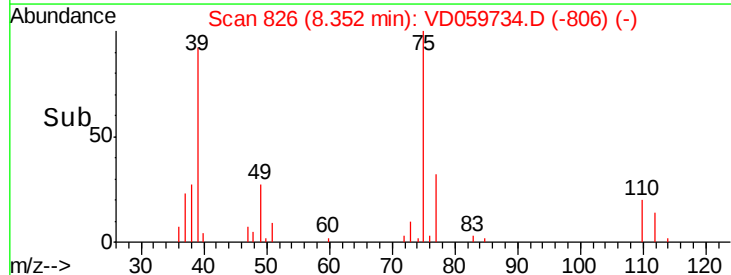
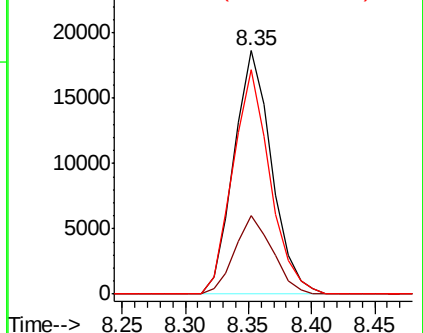
39 92.1 73.8 110.8

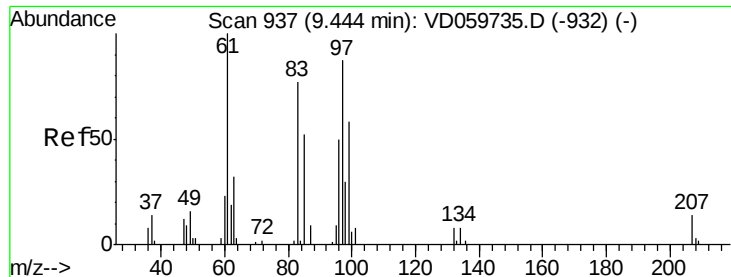


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.83 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 18719

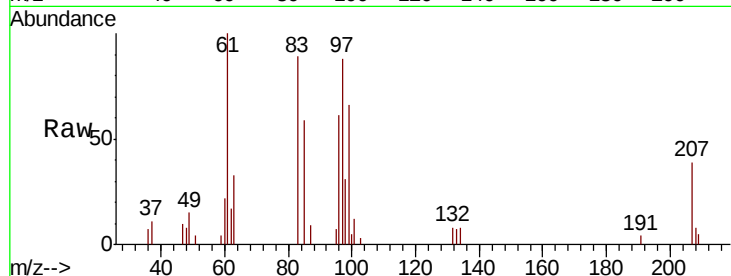
Ion Ratio Lower Upper

97 100

83 100.5 70.4 105.6

85 66.6 47.6 71.4

99 74.6 53.1 79.7

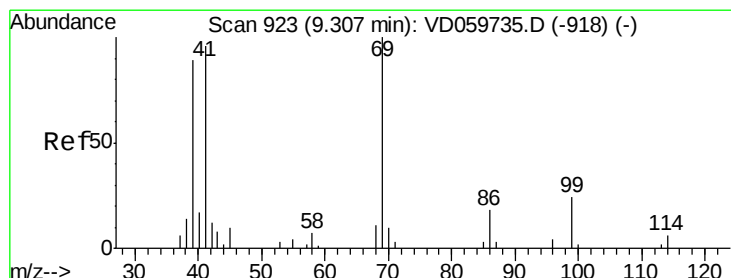
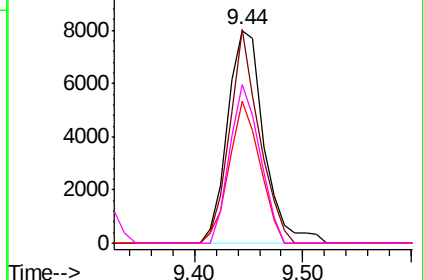
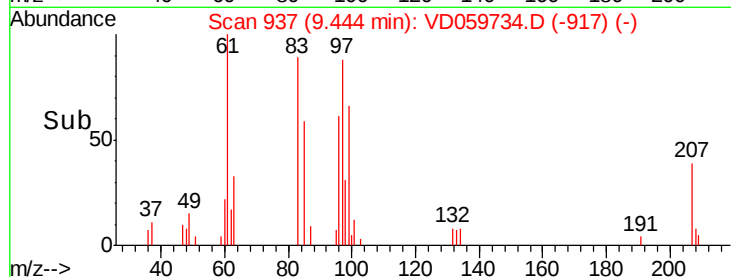


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.38 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

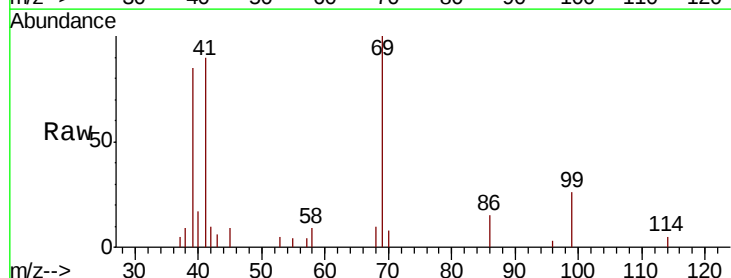
Tgt Ion: 69 Resp: 21042

Ion Ratio Lower Upper

69 100

41 89.8 76.7 115.1

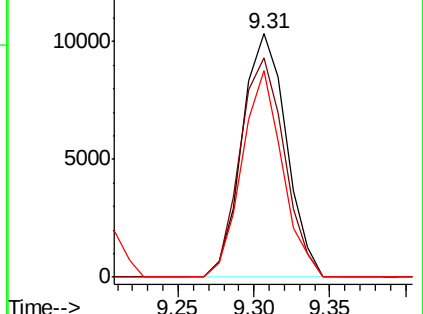
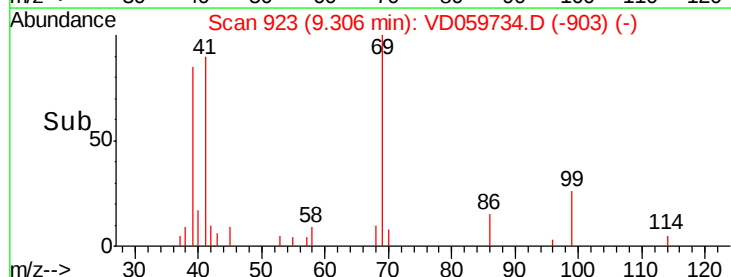
39 84.6 71.0 106.4

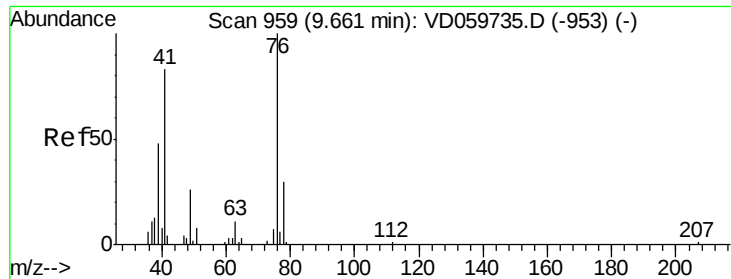


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.65 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

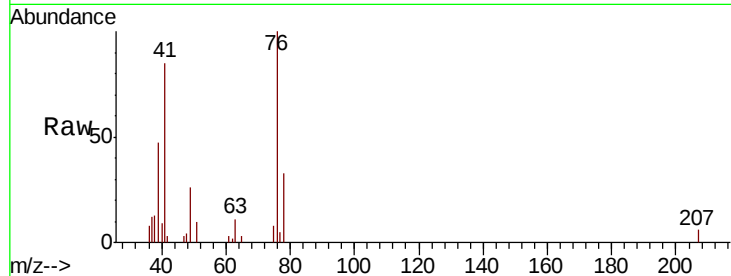
VSTDIC020

Tot Ion: 76 Resp: 30372

Ion Ratio Lower Upper

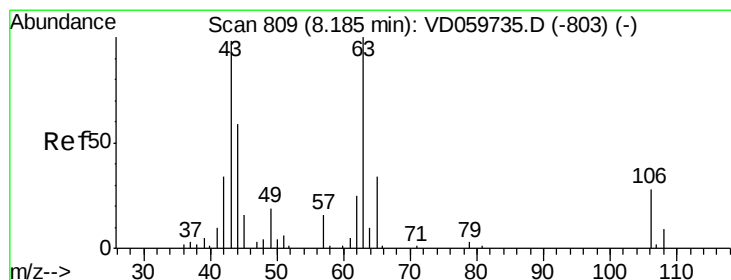
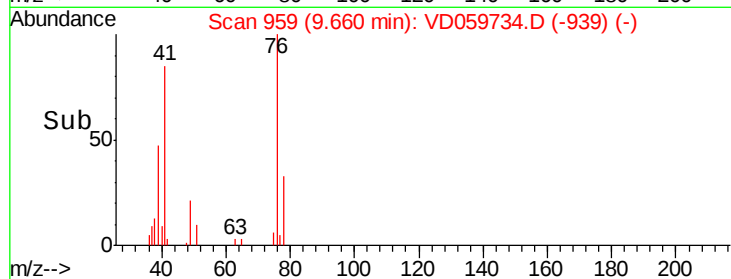
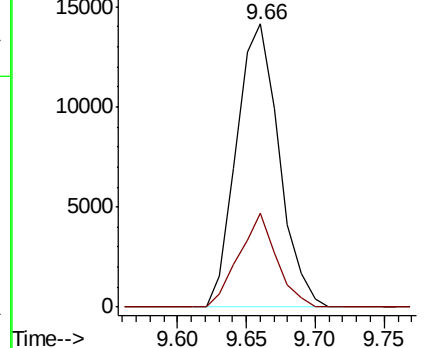
76 100

78 33.2 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: 101.10 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059734.D

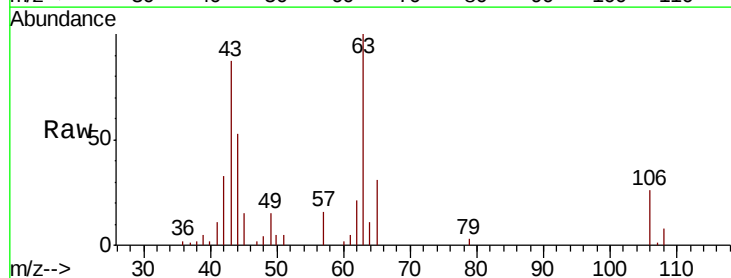
Acq: 10 Aug 2018 17:41

Tgt Ion: 63 Resp: 50225

Ion Ratio Lower Upper

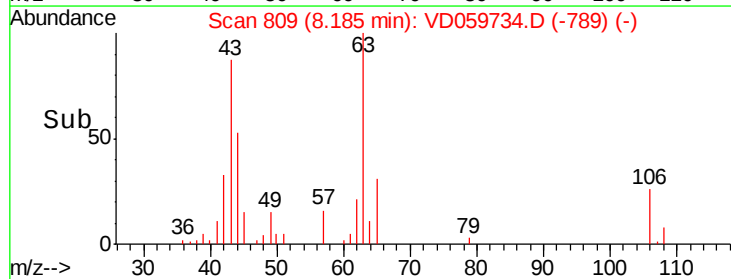
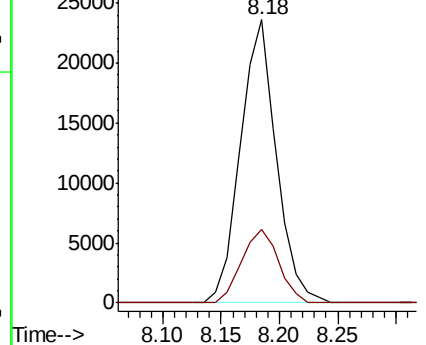
63 100

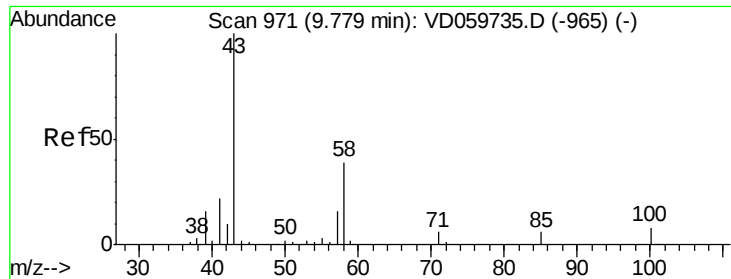
106 26.0 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

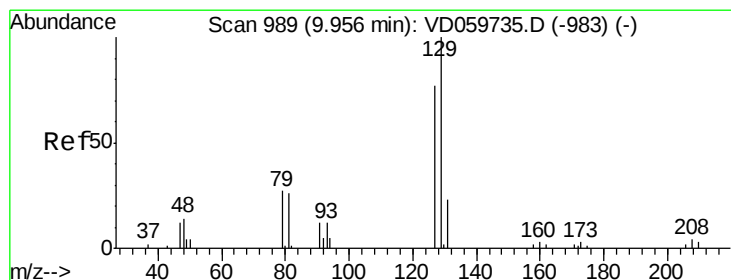
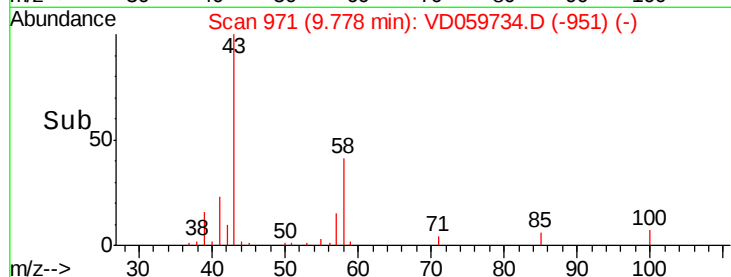
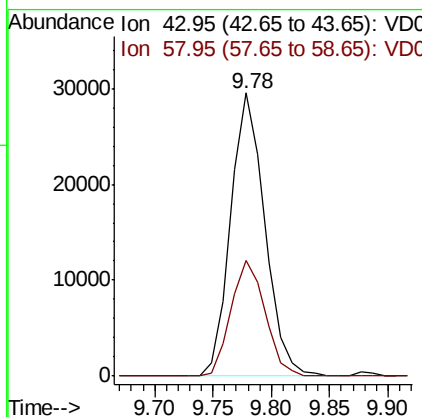
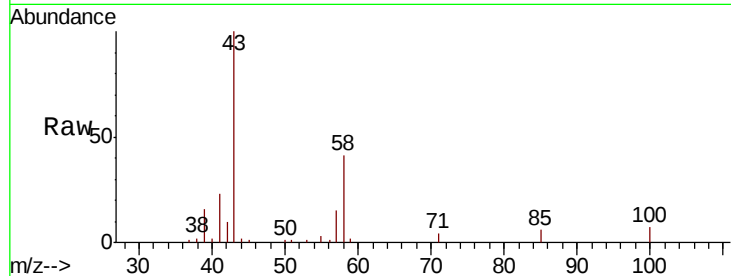




#59
2-Hexanone
Concen: 86.61 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

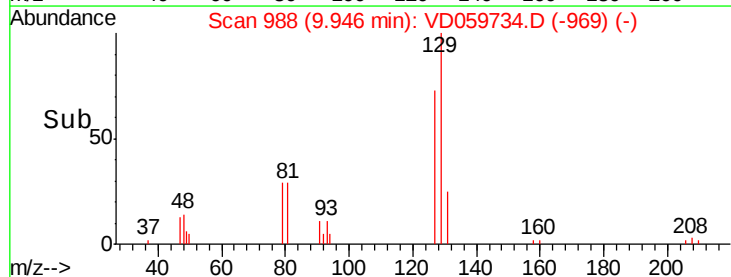
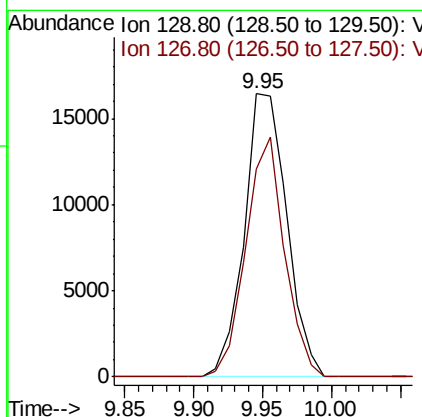
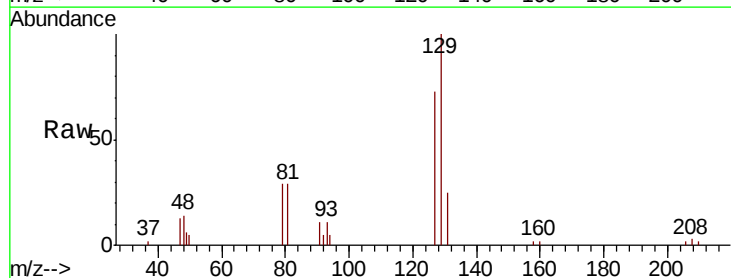
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

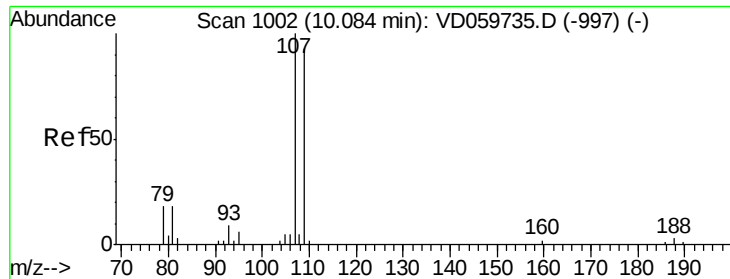
Tot Ion: 43 Resp: 59835
Ion Ratio Lower Upper
43 100
58 40.8 19.8 59.3



#60
Dibromochloromethane
Concen: 23.12 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:129 Resp: 35535
Ion Ratio Lower Upper
129 100
127 73.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.96 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

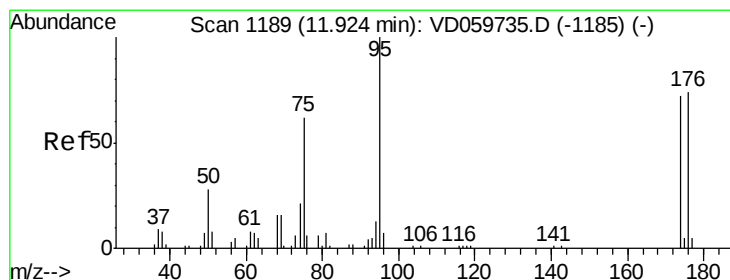
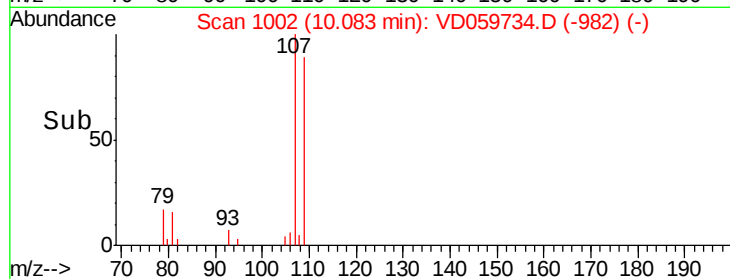
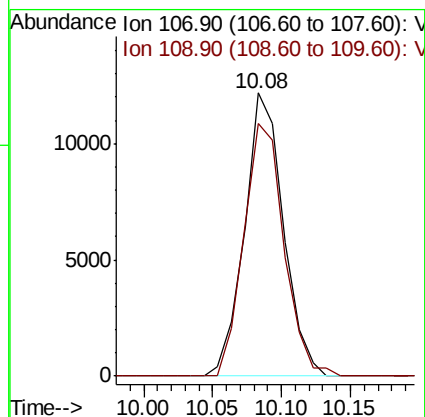
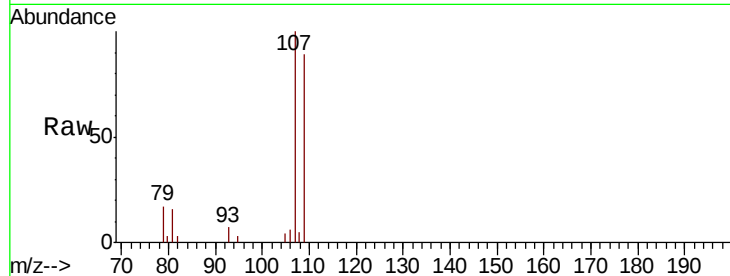
VSTDIC020

Tot Ion:107 Resp: 23954

Ion Ratio Lower Upper

107 100

109 89.3 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 21.96 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

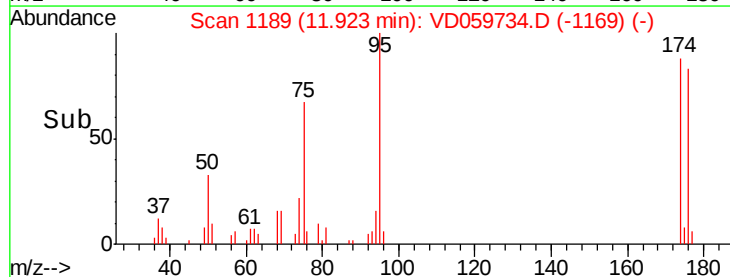
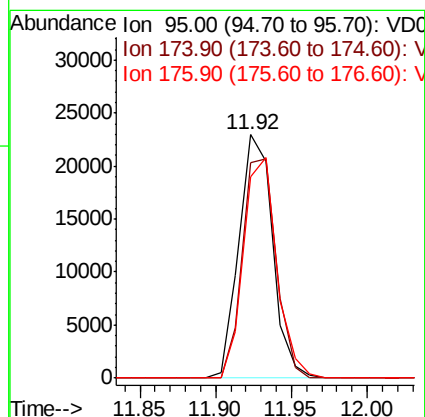
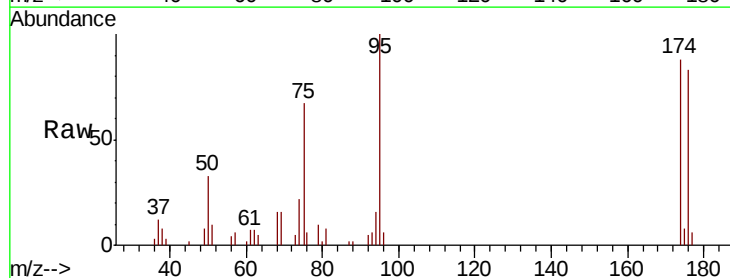
Tgt Ion: 95 Resp: 35457

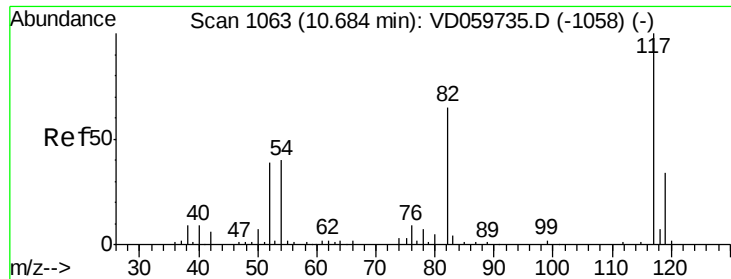
Ion Ratio Lower Upper

95 100

174 88.3 0.0 143.2

176 82.8 0.0 147.2

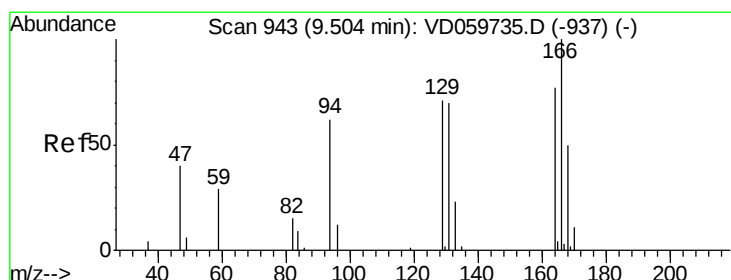
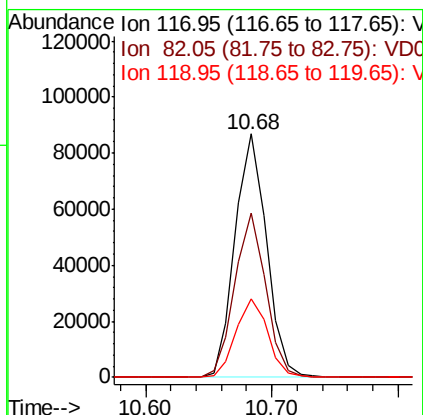
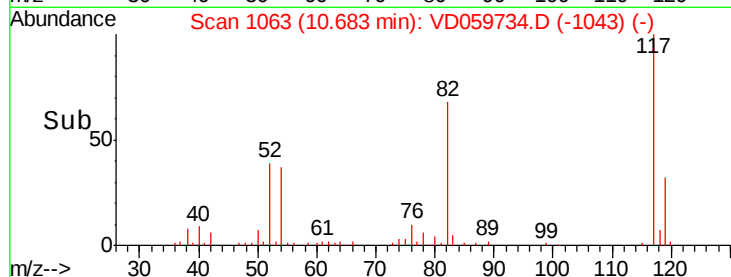
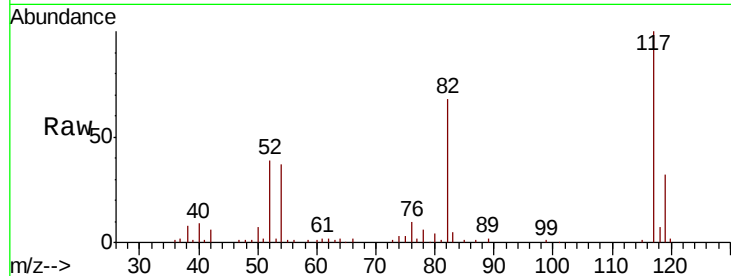




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

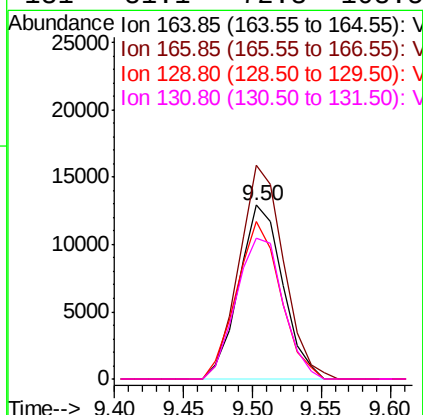
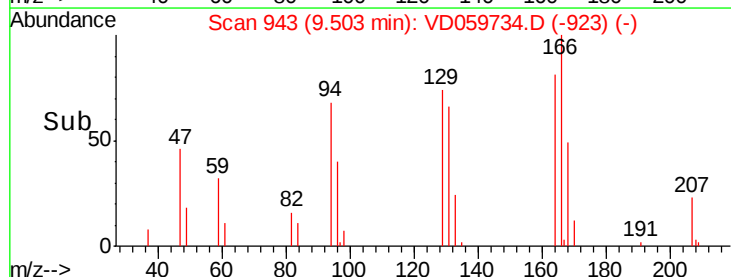
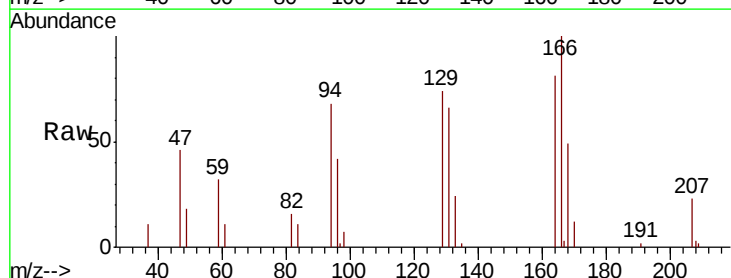
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

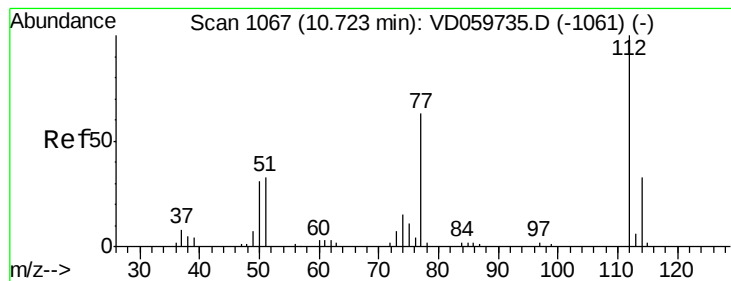
Tot Ion:117 Resp: 150212
Ion Ratio Lower Upper
117 100
82 67.7 51.9 77.9
119 32.1 27.4 41.0



#64
Tetrachloroethene
Concen: 20.01 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:164 Resp: 28572
Ion Ratio Lower Upper
164 100
166 122.7 103.5 155.3
129 90.8 73.5 110.3
131 81.1 72.3 108.5





#65

Chlorobenzene

Concen: 18.84 ug/l

RT: 10.71 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

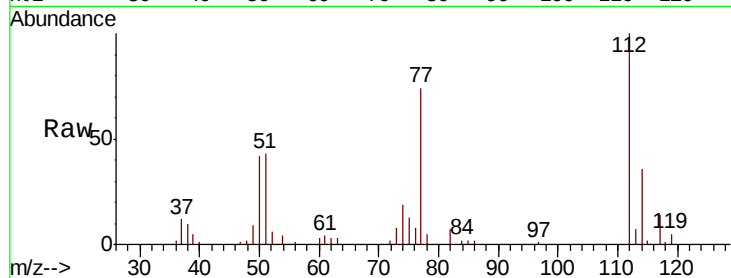
VSTDIC020

Tot Ion:112 Resp: 59536

Ion Ratio Lower Upper

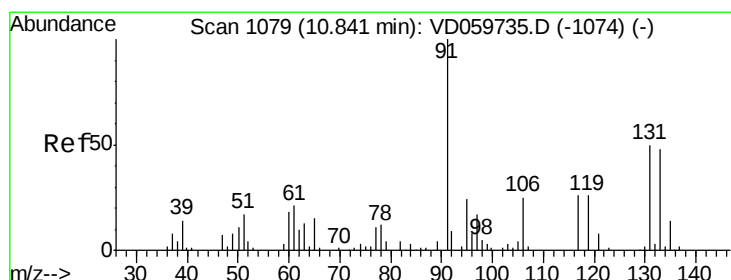
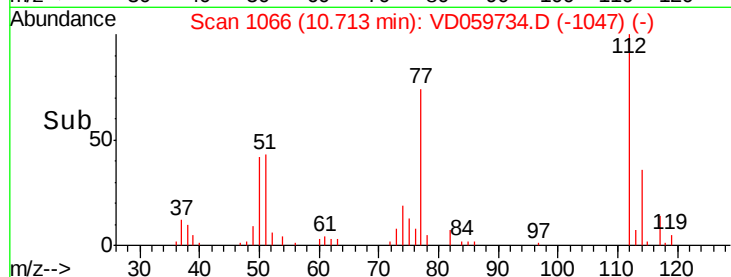
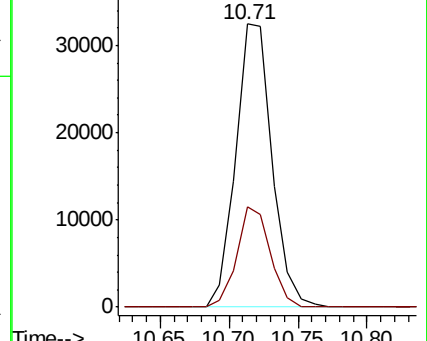
112 100

114 35.6 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.33 ug/l

RT: 10.84 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

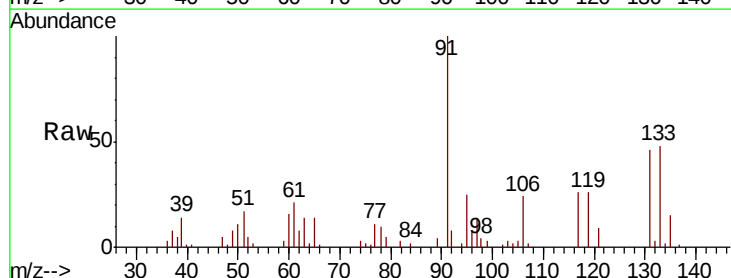
Tgt Ion:131 Resp: 30416

Ion Ratio Lower Upper

131 100

133 104.5 48.1 144.3

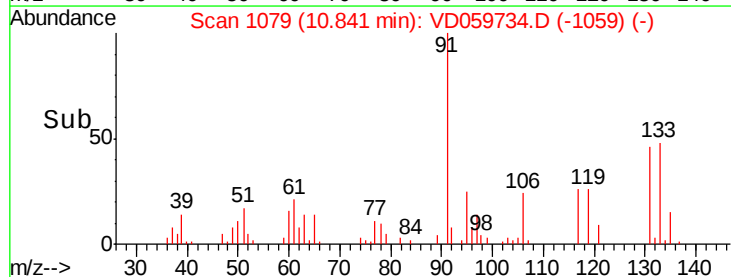
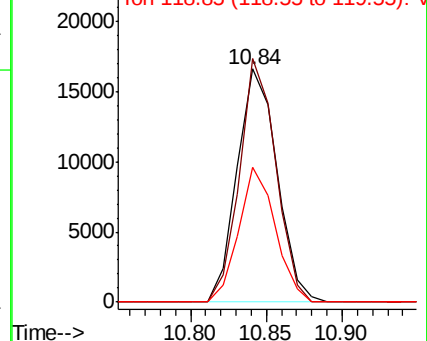
119 57.7 26.2 78.5

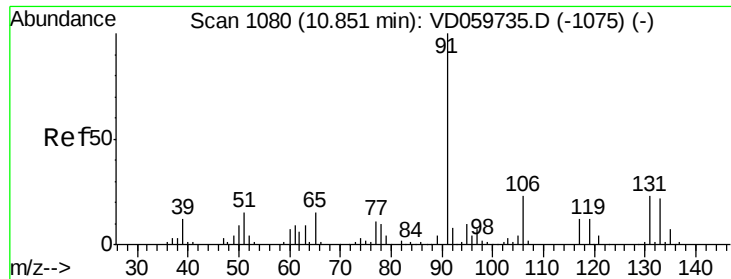


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

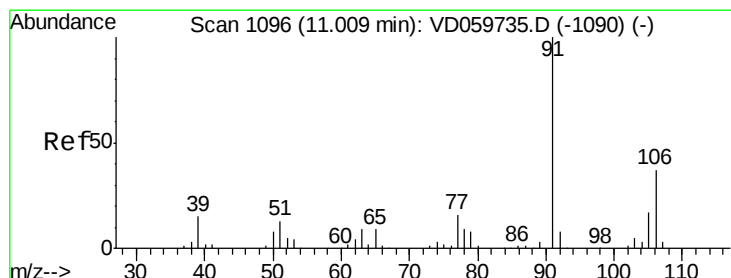
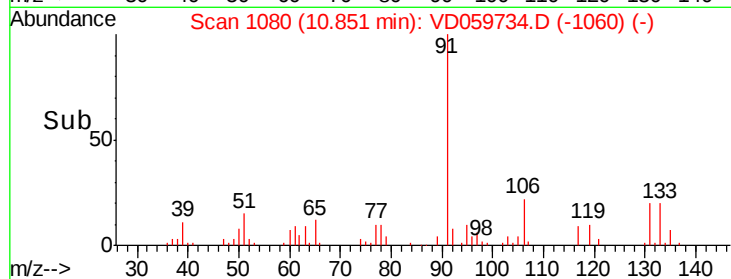
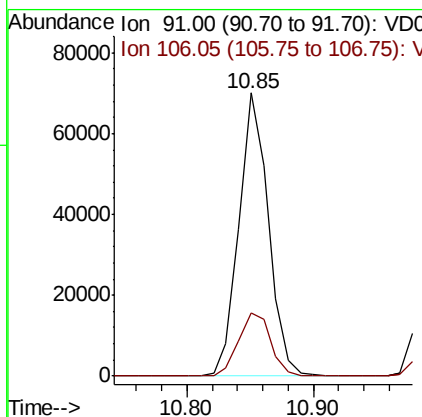
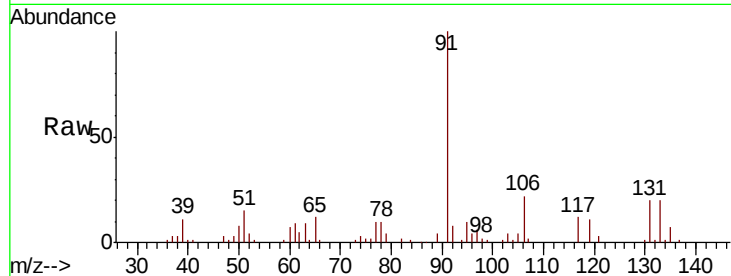




#67
Ethyl Benzene
Concen: 19.77 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

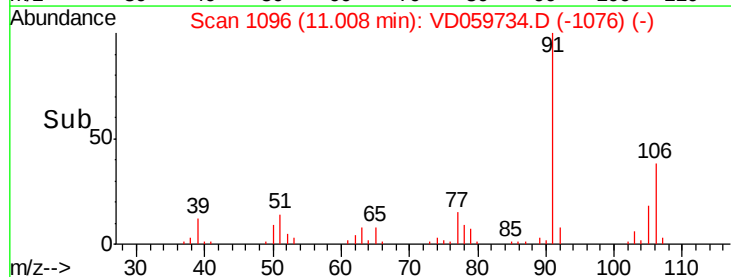
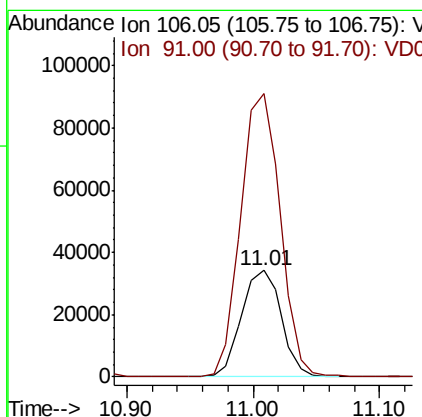
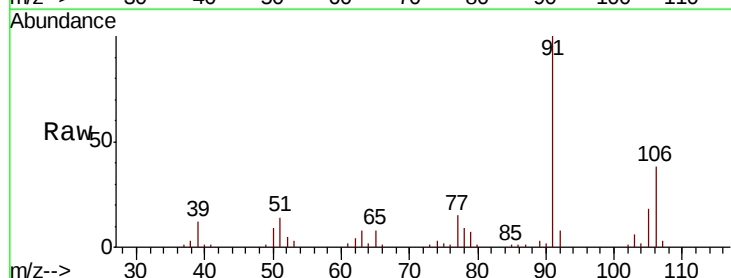
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

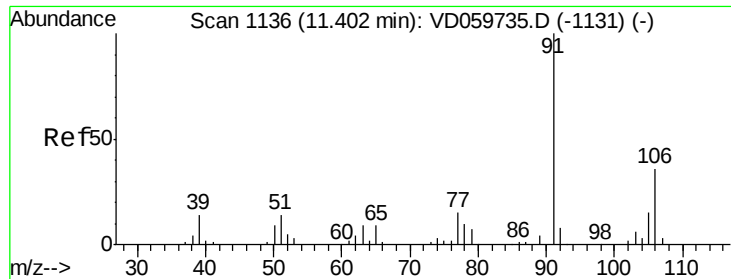
Tot Ion: 91 Resp: 113118
Ion Ratio Lower Upper
91 100
106 22.2 18.8 28.2



#68
m/p-Xylenes
Concen: 41.15 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 106 Resp: 74594
Ion Ratio Lower Upper
106 100
91 266.4 213.8 320.8

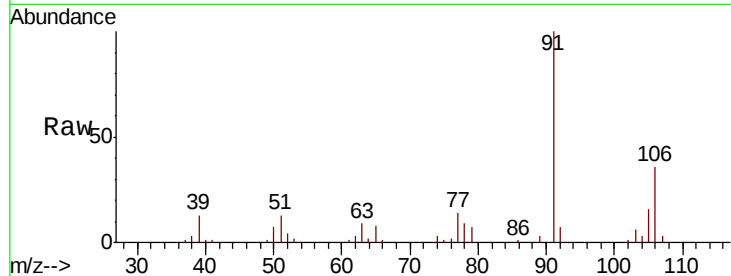




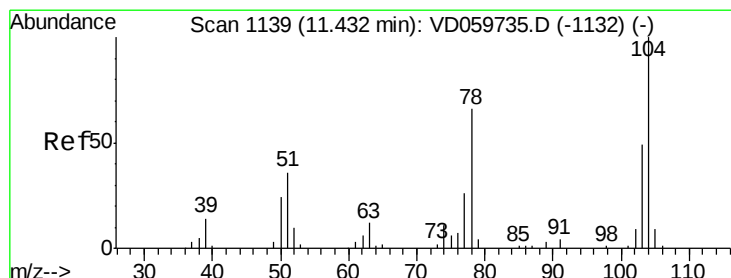
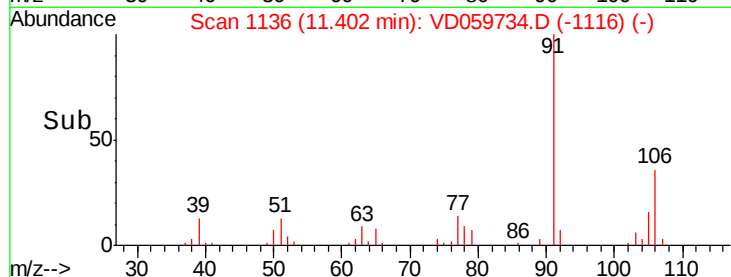
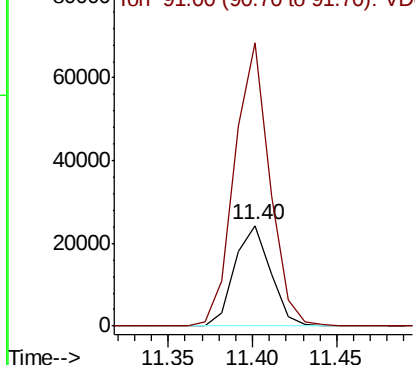
#69
o-Xylene
Concen: 20.39 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 36107
Ion Ratio Lower Upper
106 100
91 280.4 139.8 419.4

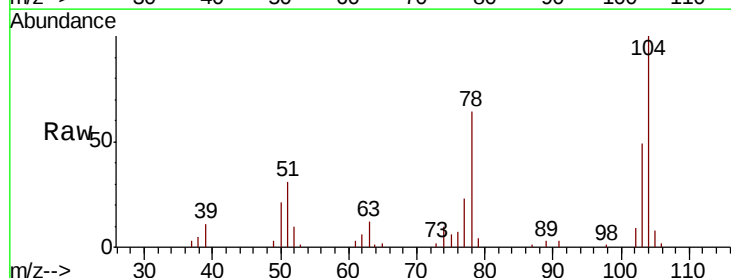


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

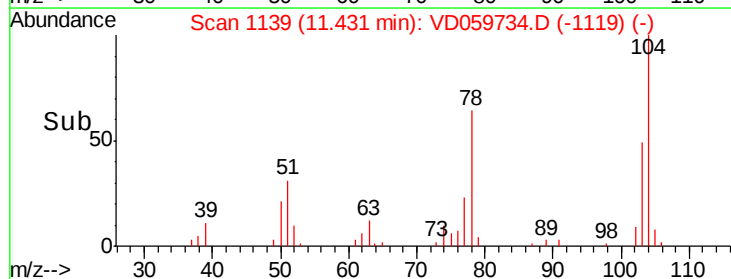
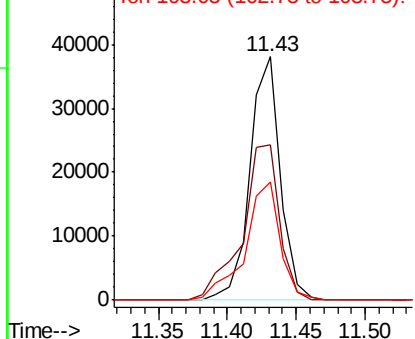


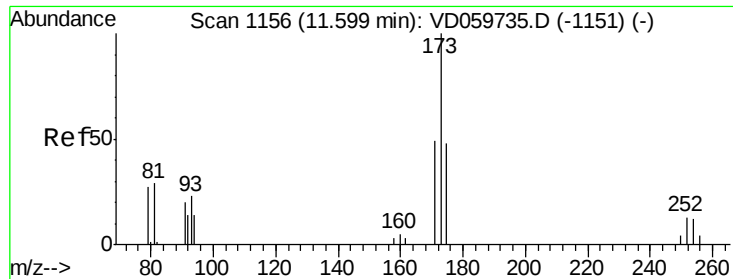
#70
Styrene
Concen: 19.79 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:104 Resp: 58611
Ion Ratio Lower Upper
104 100
78 64.0 52.8 79.2
103 48.8 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

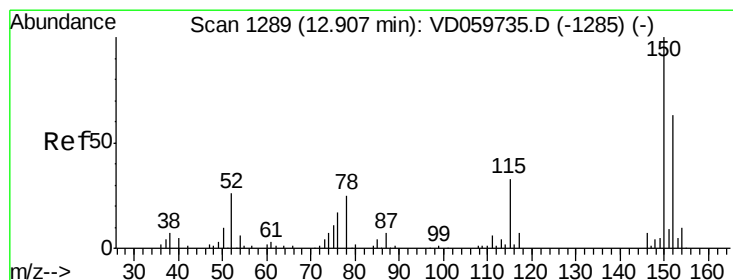
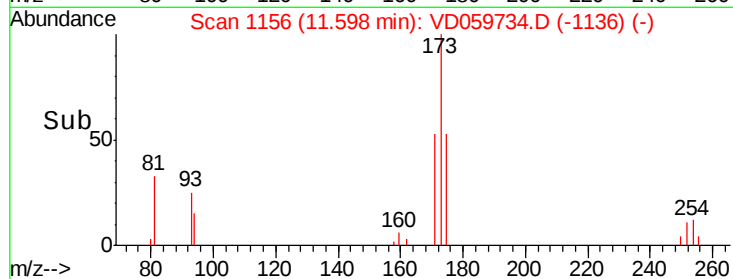
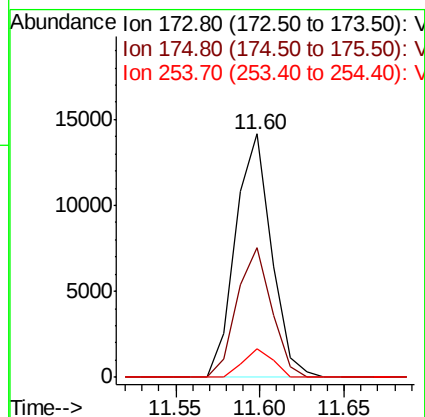
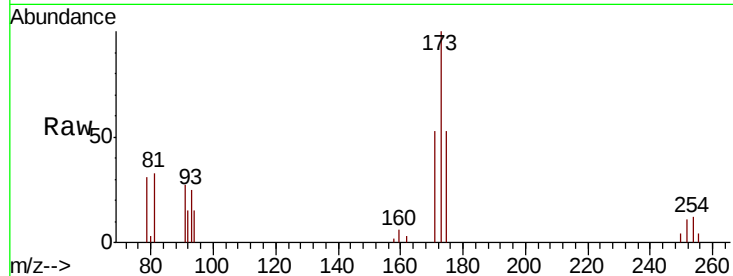




#71
Bromoform
Concen: 19.49 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

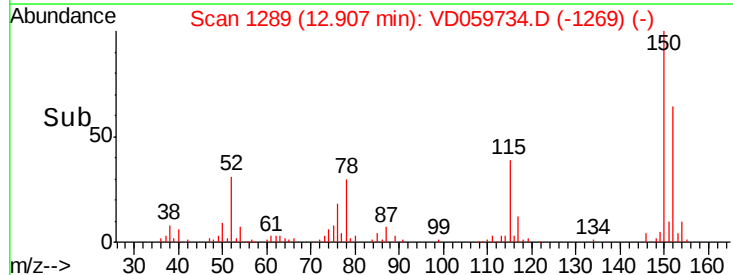
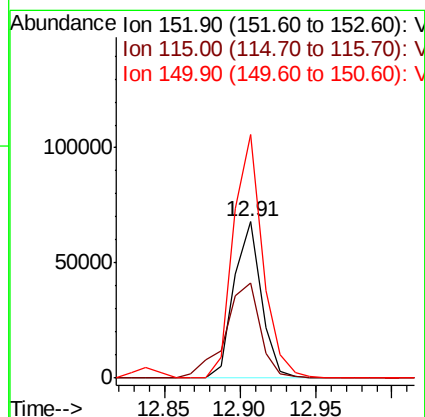
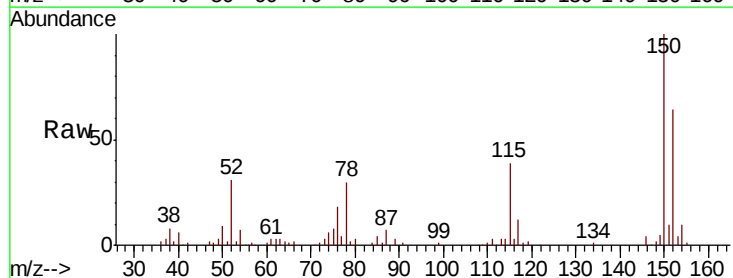
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

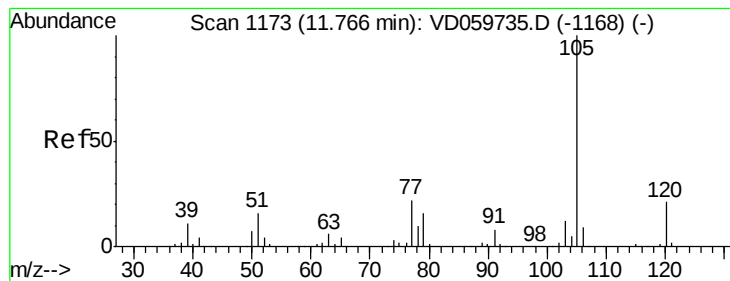
Tot Ion:173 Resp: 20960
Ion Ratio Lower Upper
173 100
175 53.0 24.1 72.2
254 11.6 9.3 13.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:152 Resp: 85241
Ion Ratio Lower Upper
152 100
115 60.7 29.8 89.3
150 155.8 0.0 320.4





#73

Isopropylbenzene

Concen: 20.44 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

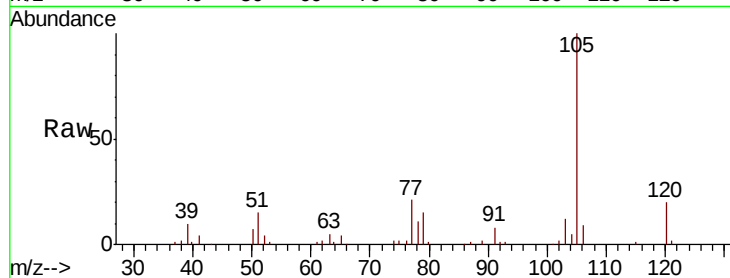
VSTDIC020

Tot Ion:105 Resp: 115524

Ion Ratio Lower Upper

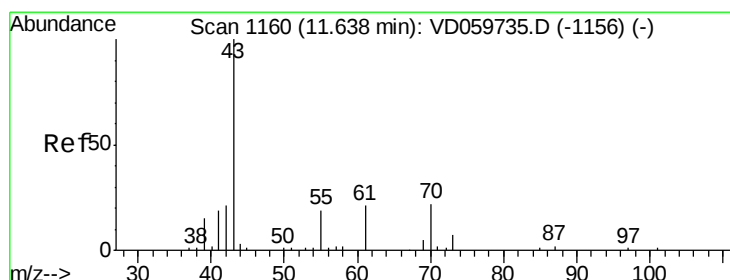
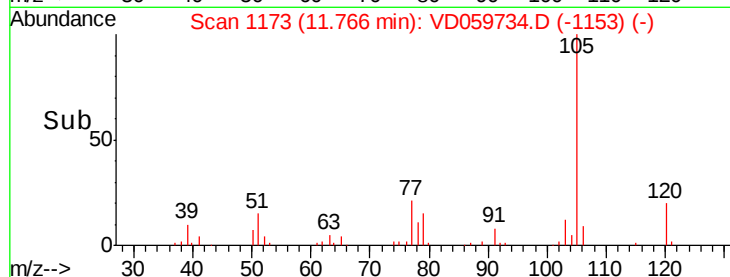
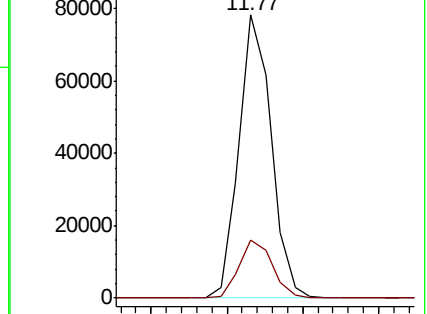
105 100

120 20.5 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: 17.61 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Tgt Ion: 43 Resp: 31413

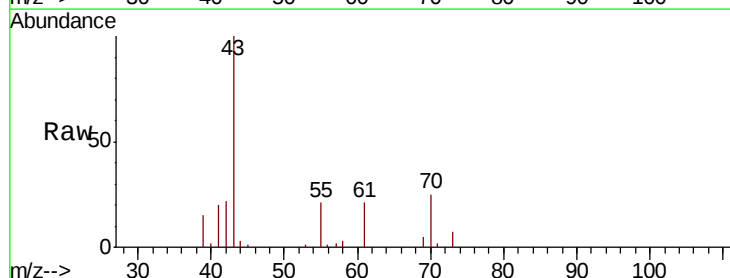
Ion Ratio Lower Upper

43 100

70 24.7 18.0 27.0

55 20.6 14.8 22.2

61 21.1 17.1 25.7

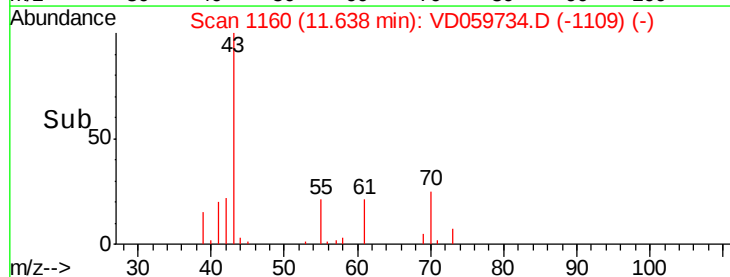
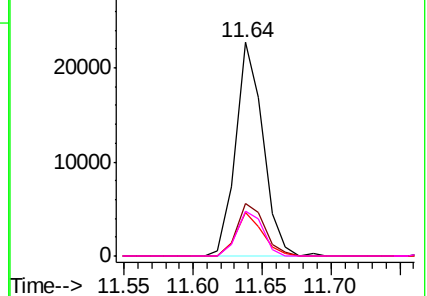


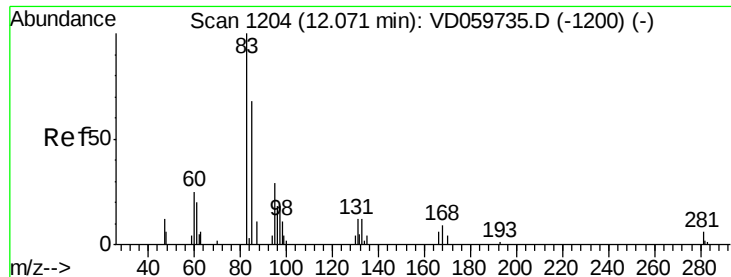
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.20 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

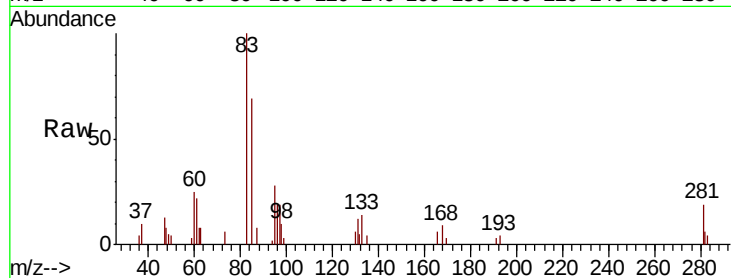
Tot Ion: 83 Resp: 19390

Ion Ratio Lower Upper

83 100

131 11.9 6.3 19.1

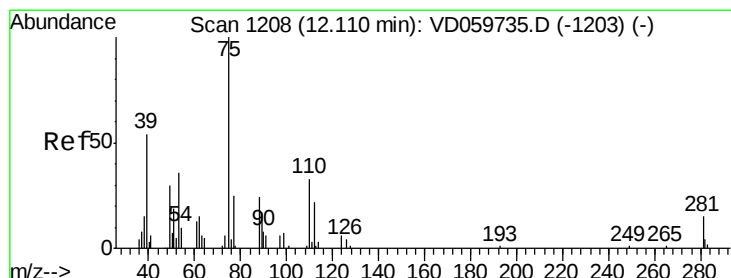
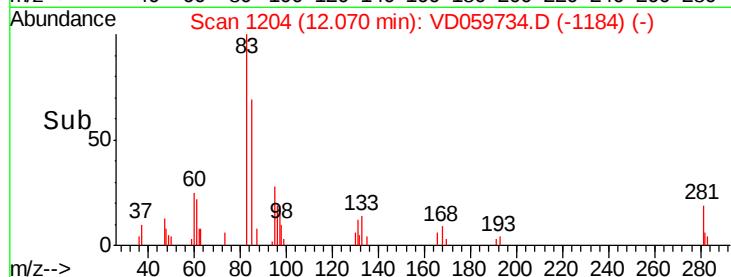
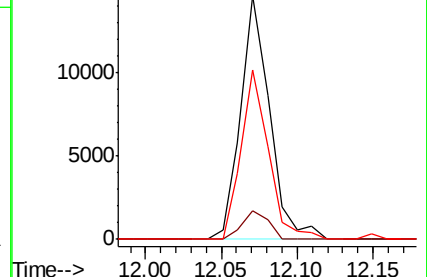
85 69.4 34.2 102.5



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: 19.41 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059734.D

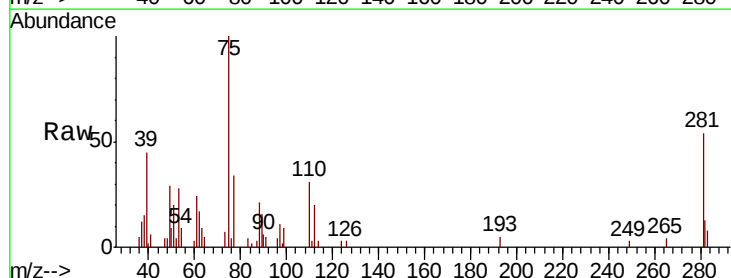
Acq: 10 Aug 2018 17:41

Tgt Ion: 75 Resp: 25446

Ion Ratio Lower Upper

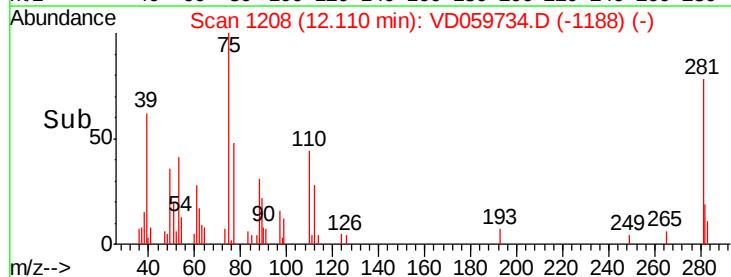
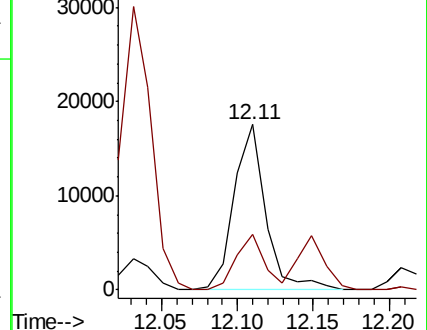
75 100

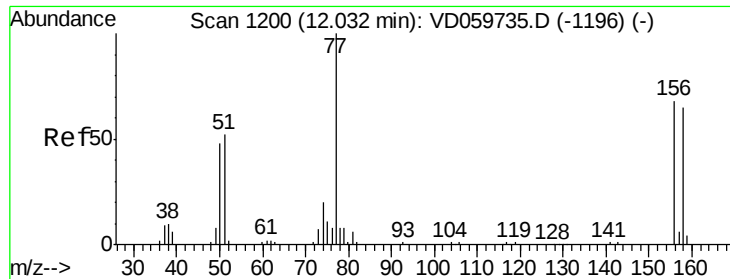
77 33.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.19 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

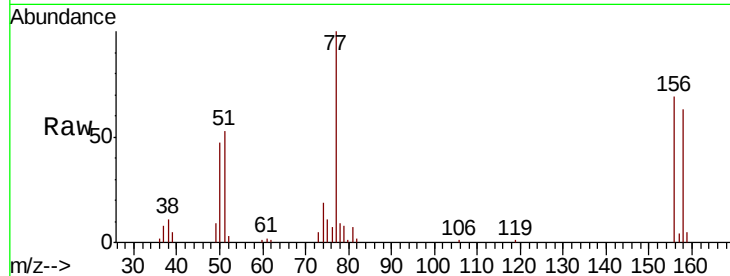
Tot Ion:156 Resp: 31706

Ion Ratio Lower Upper

156 100

77 145.9 73.3 219.8

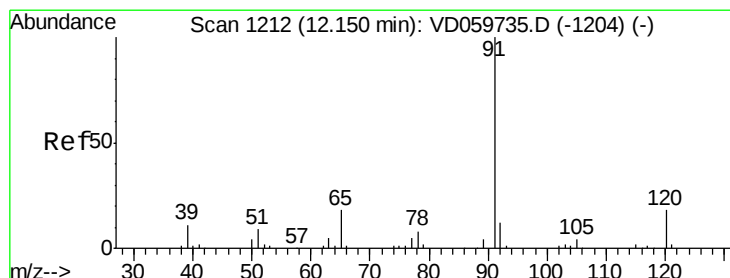
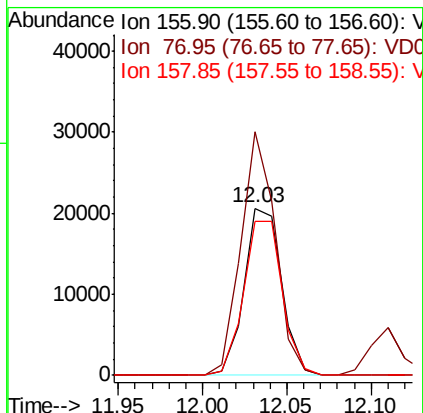
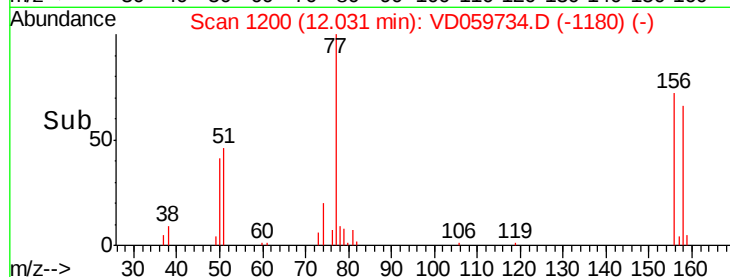
158 91.9 47.5 142.5



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: 20.69 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059734.D

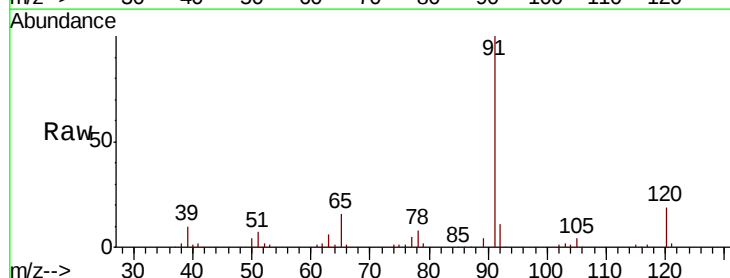
Acq: 10 Aug 2018 17:41

Tgt Ion: 91 Resp: 144744

Ion Ratio Lower Upper

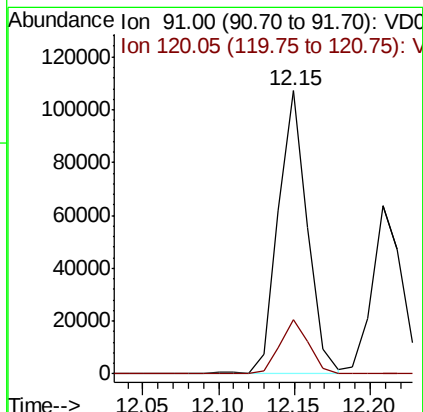
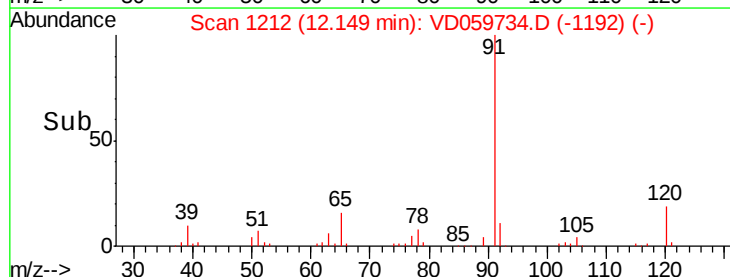
91 100

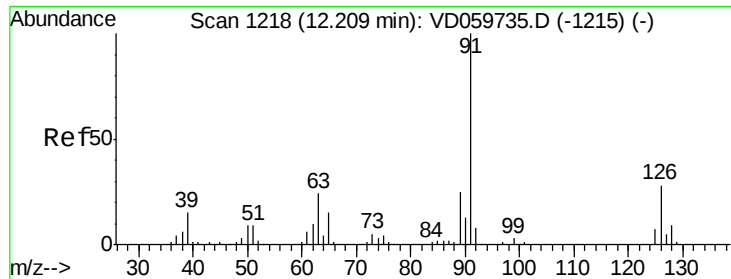
120 19.2 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

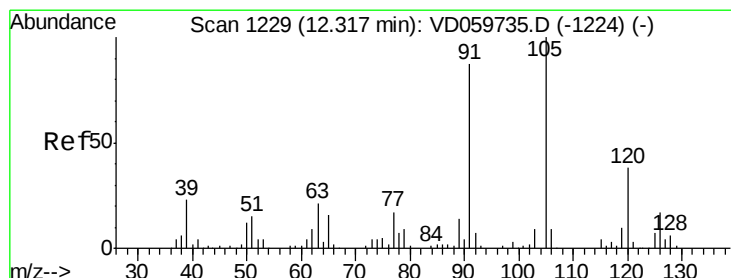
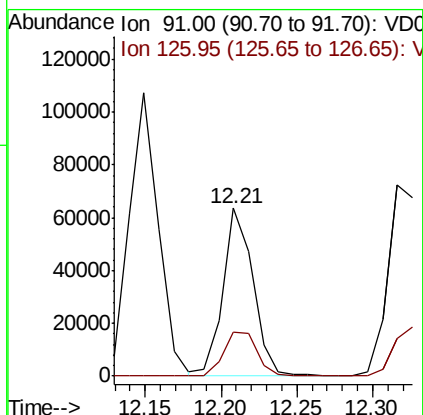
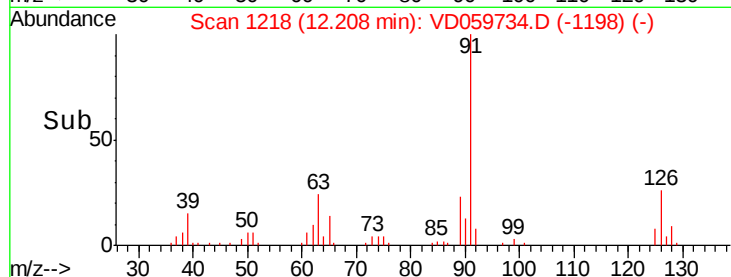
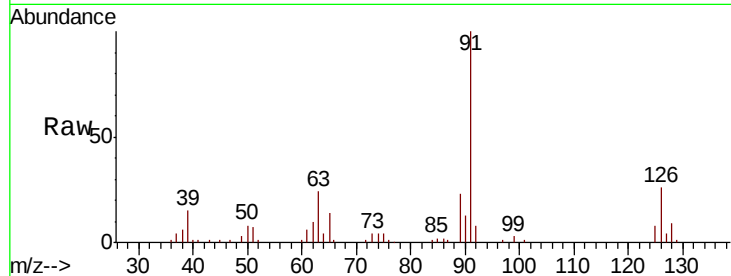




#79
 2-Chlorotoluene
 Concen: 20.78 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

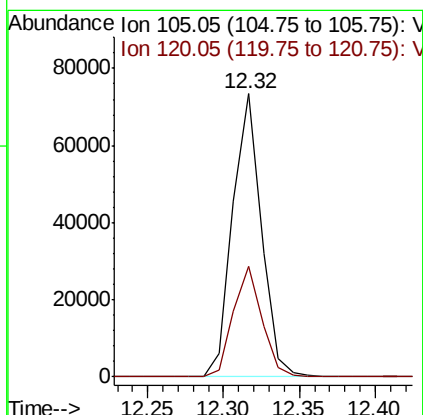
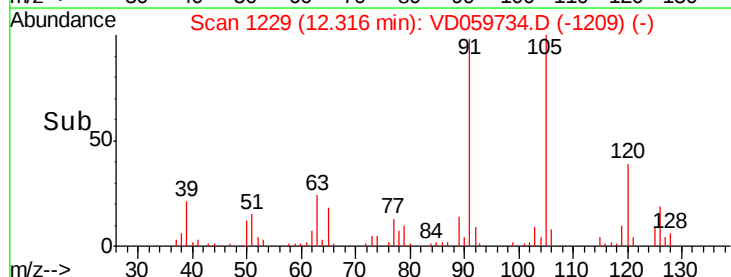
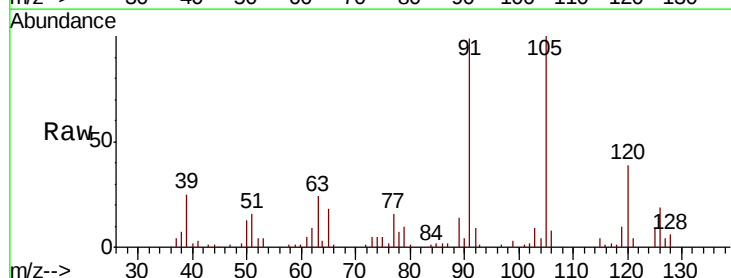
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

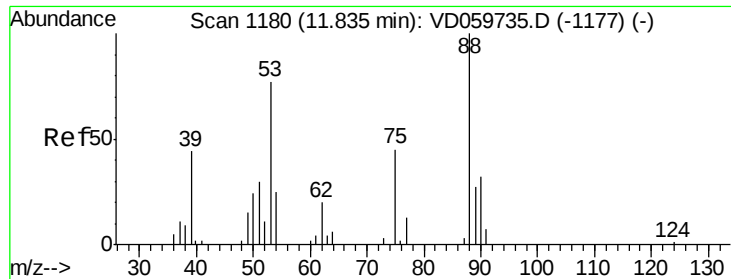
Tot Ion: 91 Resp: 88154
 Ion Ratio Lower Upper
 91 100
 126 26.3 13.3 39.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.41 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 105 Resp: 96575
 Ion Ratio Lower Upper
 105 100
 120 39.3 19.2 57.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.66 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

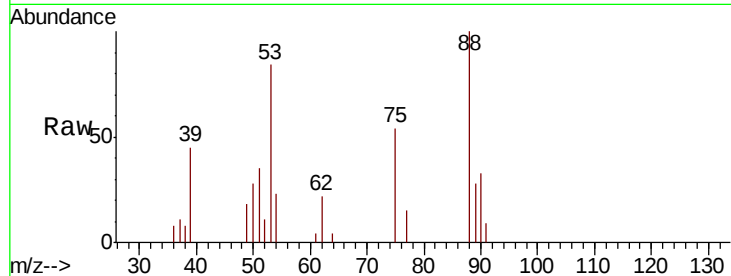
Tot Ion: 75 Resp: 5448

Ion Ratio Lower Upper

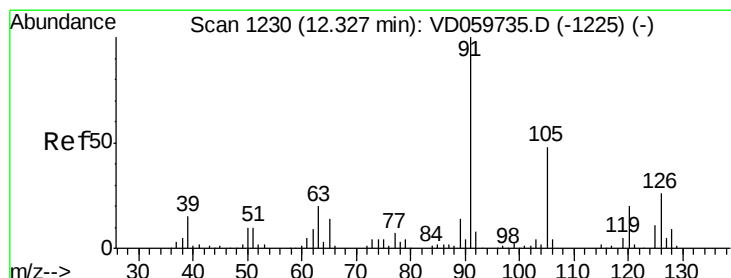
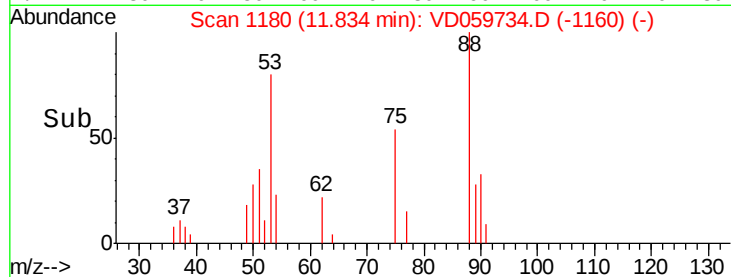
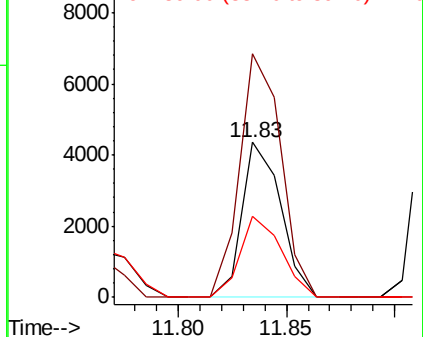
75 100

53 157.1 137.5 206.3

89 52.1 48.3 72.5



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



#82

4-Chlorotoluene

Concen: 21.93 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059734.D

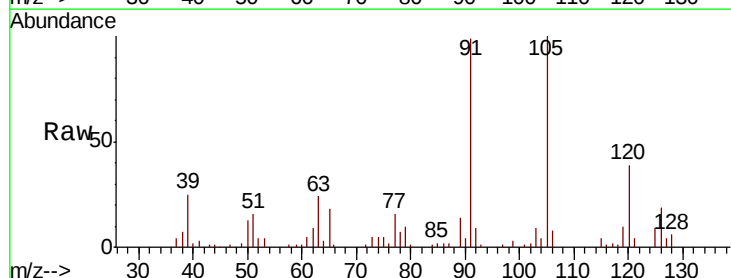
Acq: 10 Aug 2018 17:41

Tgt Ion: 91 Resp: 109290

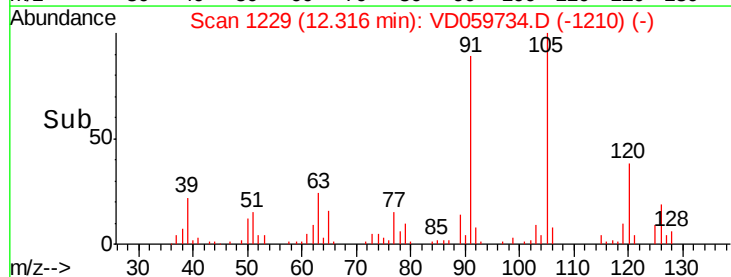
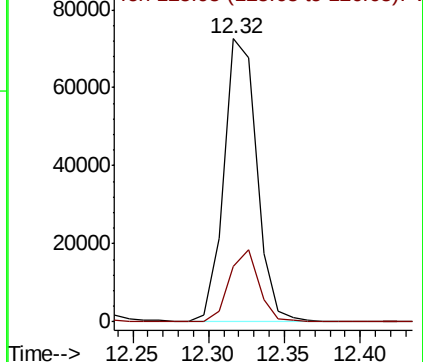
Ion Ratio Lower Upper

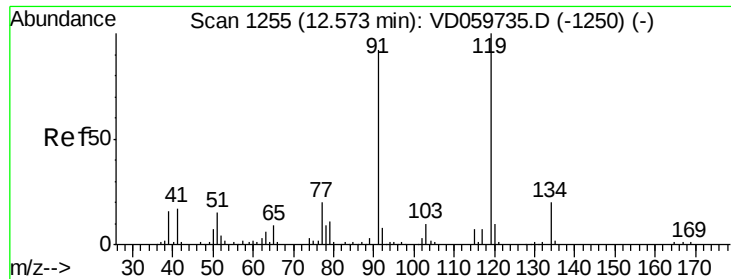
91 100

126 19.6 12.8 38.3



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

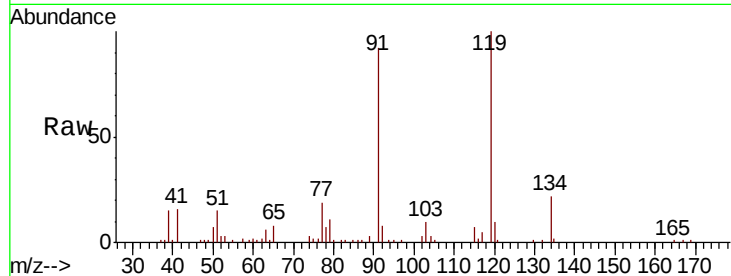




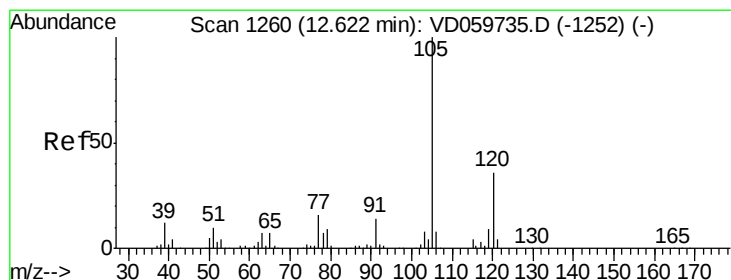
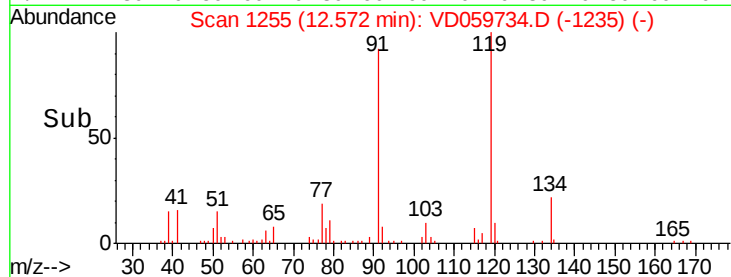
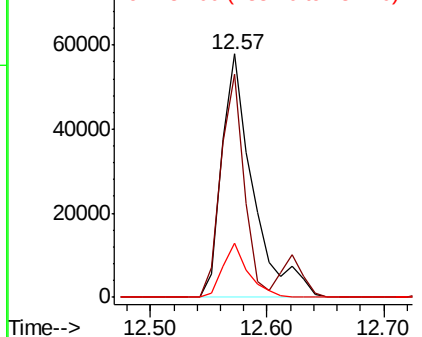
#83
 tert-Butylbenzene
 Concen: 20.38 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 107215
 Ion Ratio Lower Upper
 119 100
 91 91.6 46.1 138.2
 134 22.1 9.9 29.7

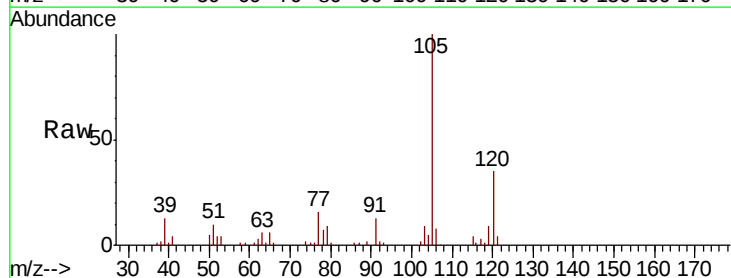


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

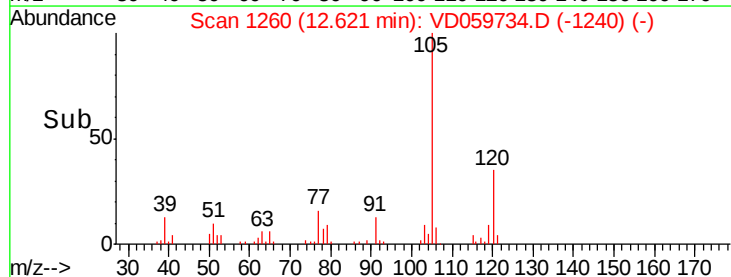
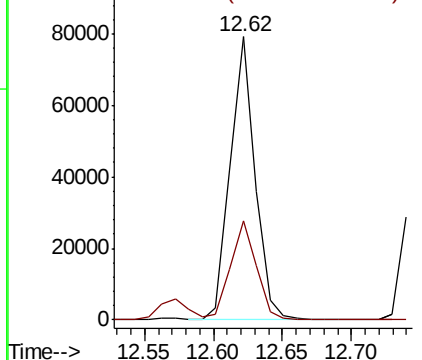


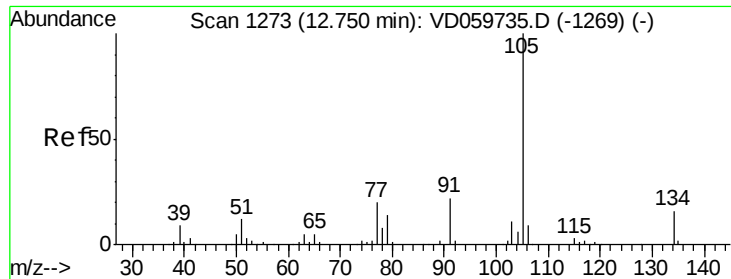
#84
 1,2,4-Trimethylbenzene
 Concen: 19.67 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion:105 Resp: 98813
 Ion Ratio Lower Upper
 105 100
 120 34.9 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: 19.96 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

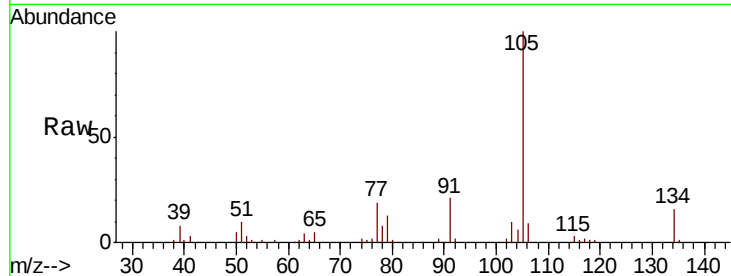
VSTDIC020

Tot Ion:105 Resp: 116794

Ion Ratio Lower Upper

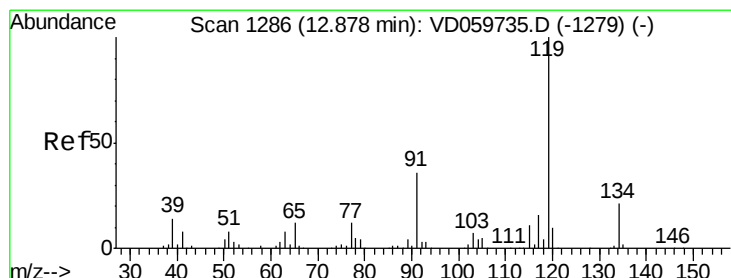
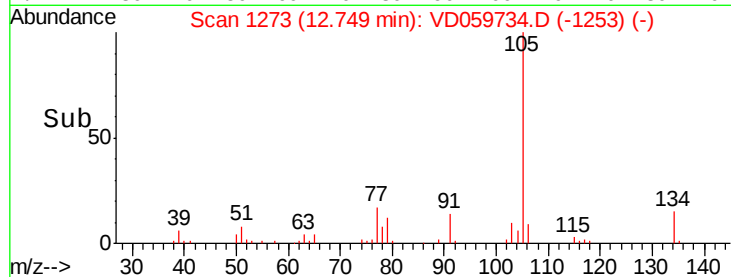
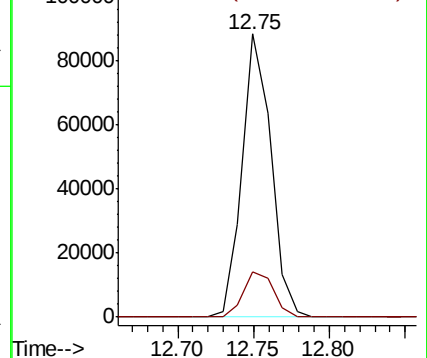
105 100

134 15.9 7.8 23.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.45 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

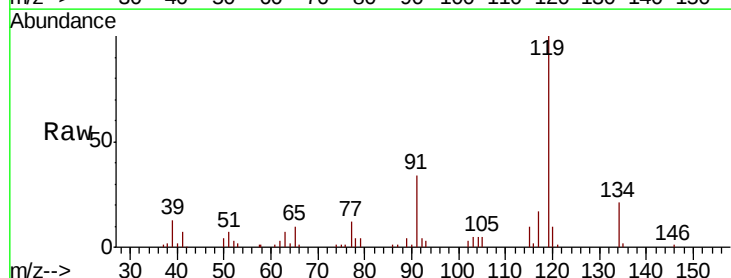
Tgt Ion:119 Resp: 107229

Ion Ratio Lower Upper

119 100

134 21.4 10.5 31.6

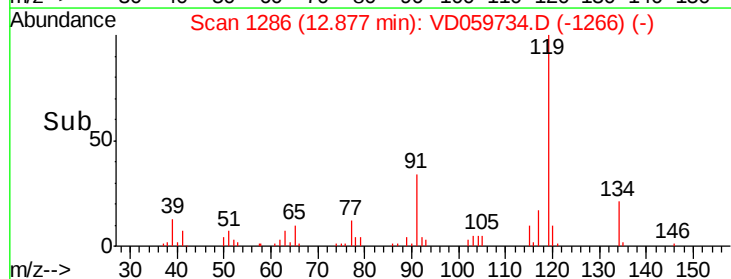
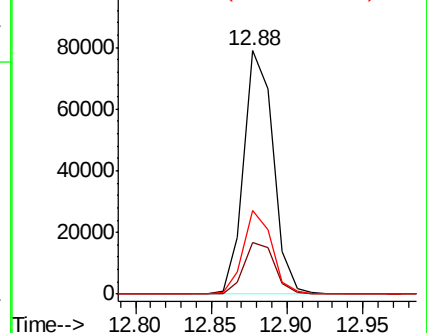
91 34.3 17.9 53.7

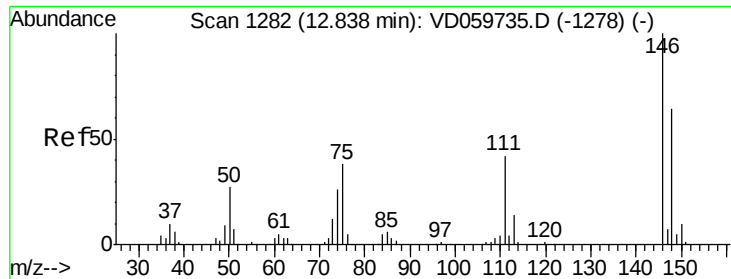


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

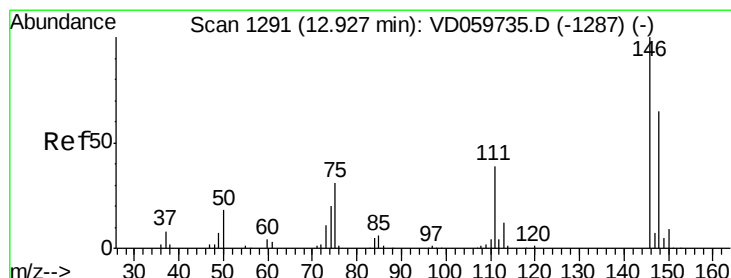
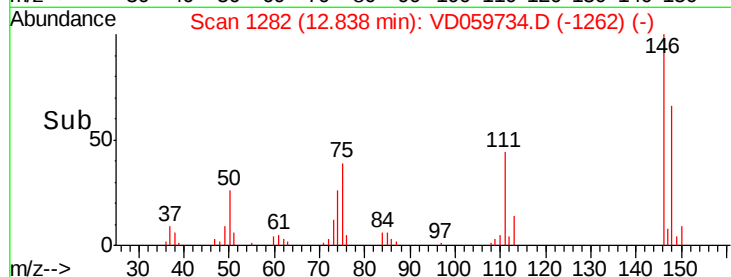
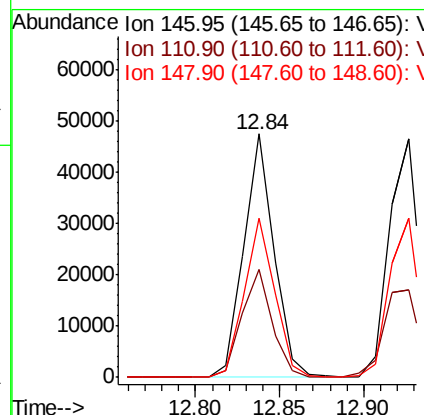
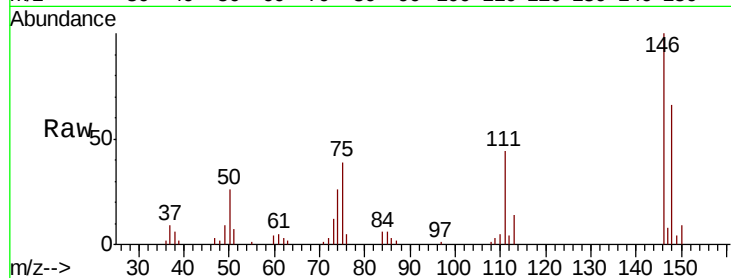




#87
 1,3-Dichlorobenzene
 Concen: 20.61 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

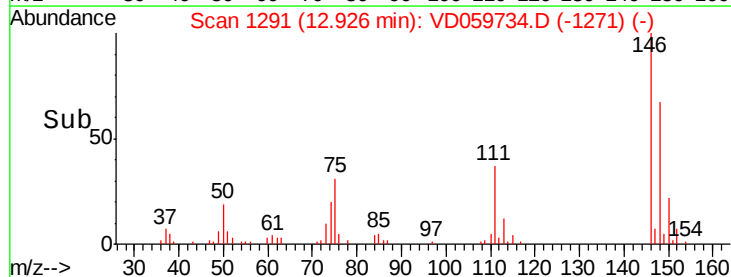
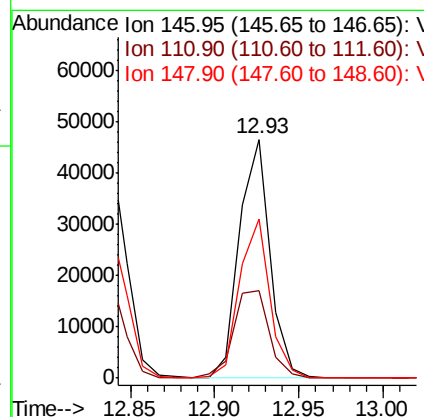
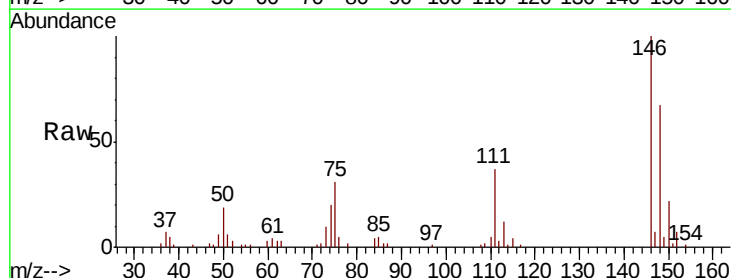
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

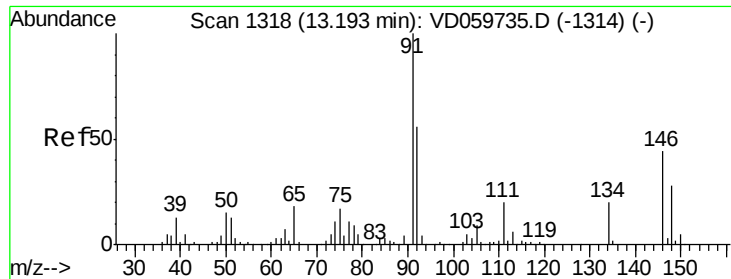
Tot Ion:146 Resp: 59060
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.1 63.3
 148 65.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.69 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion:146 Resp: 58660
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.7 59.0
 148 66.6 32.4 97.2

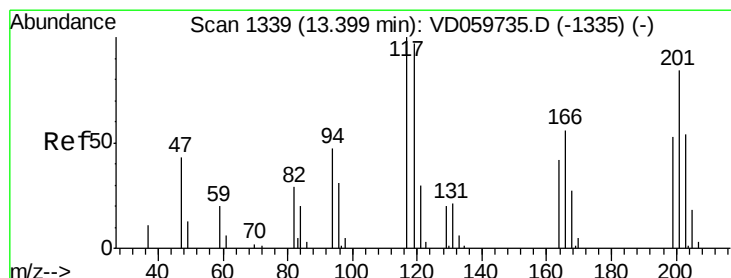
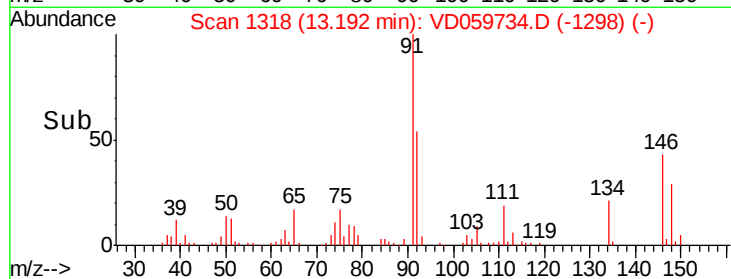
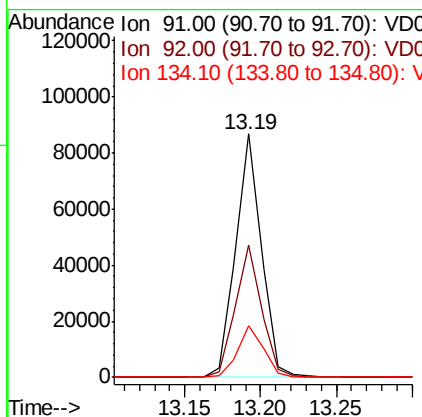
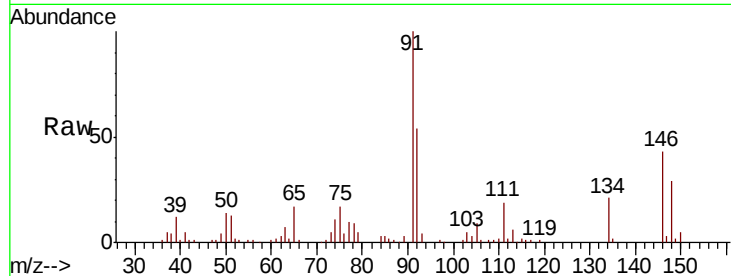




#89
n-Butylbenzene
Concen: 20.31 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

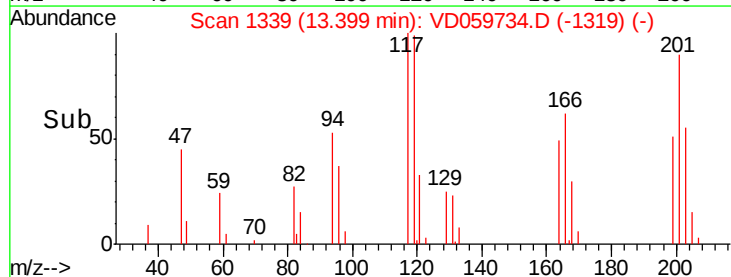
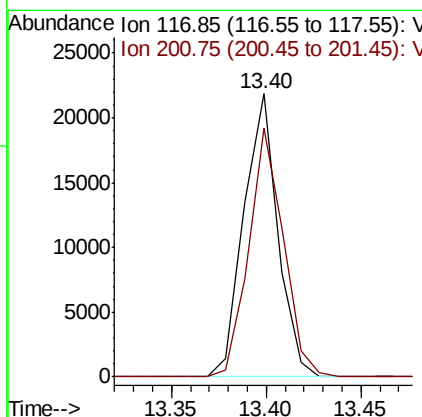
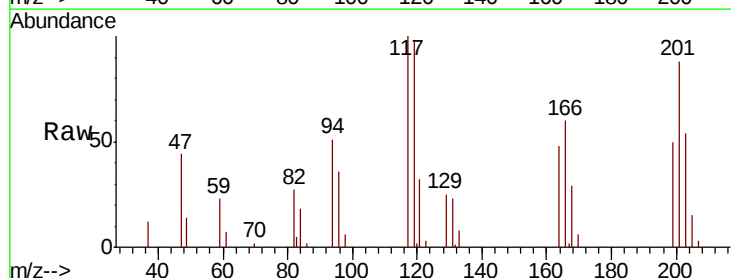
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

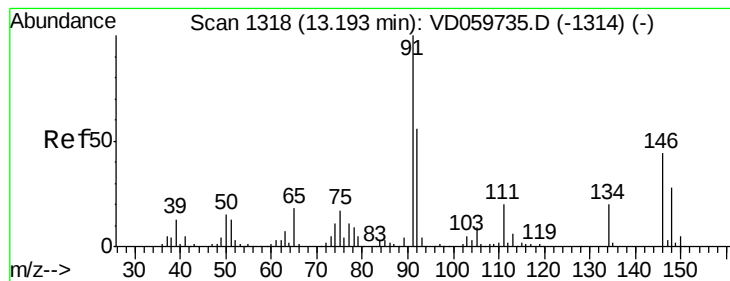
Tot Ion: 91 Resp: 102327
Ion Ratio Lower Upper
91 100
92 54.2 28.1 84.4
134 21.3 10.3 30.8



#90
Hexachloroethane
Concen: 20.79 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 117 Resp: 27121
Ion Ratio Lower Upper
117 100
201 87.8 41.9 125.7





#91

1,2-Dichlorobenzene

Concen: 20.42 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

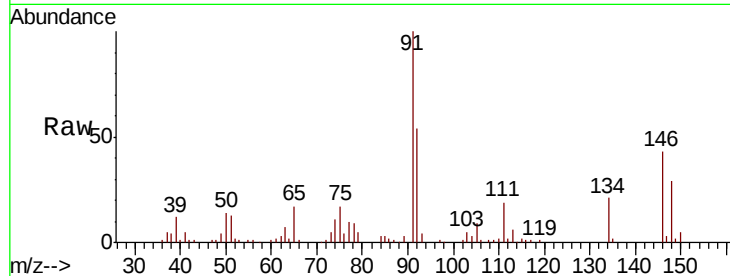
Tot Ion:146 Resp: 49009

Ion Ratio Lower Upper

146 100

111 42.7 22.9 68.5

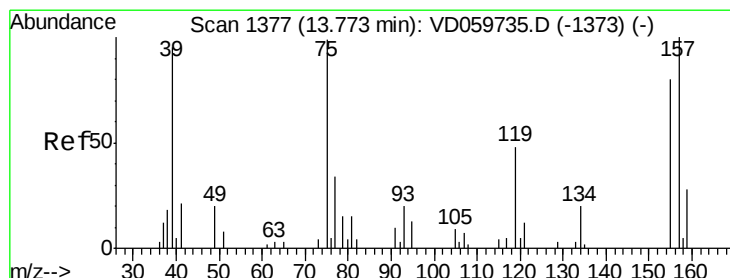
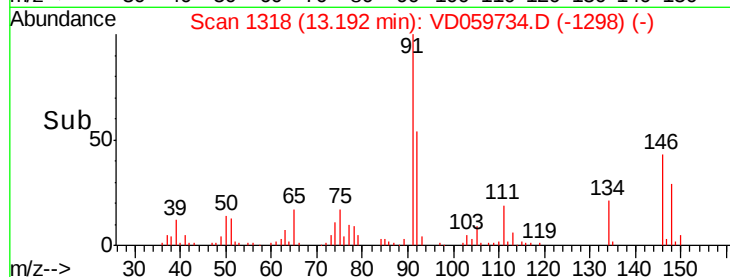
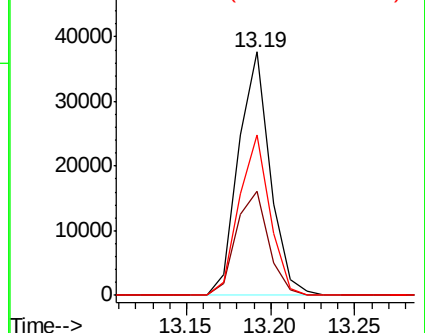
148 66.1 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.65 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

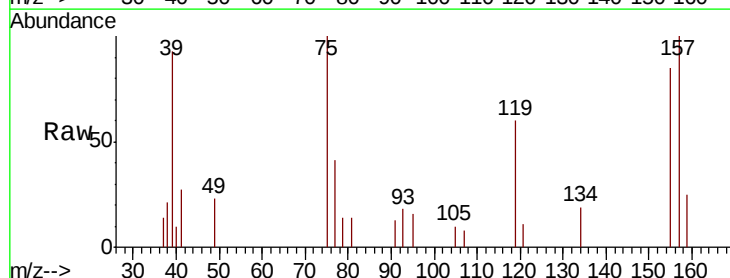
Tgt Ion: 75 Resp: 5178

Ion Ratio Lower Upper

75 100

155 85.4 40.4 121.1

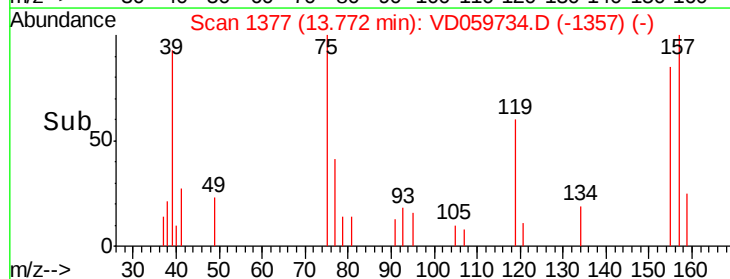
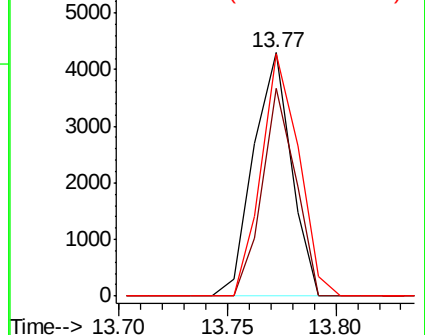
157 99.8 50.5 151.6

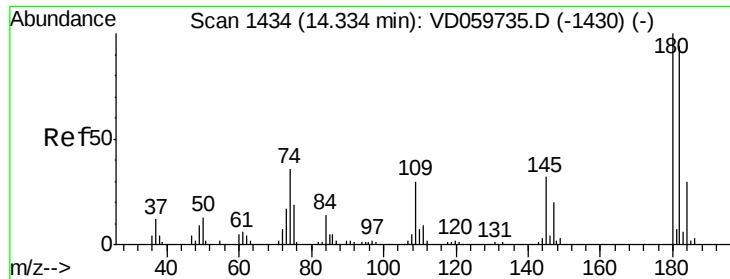


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

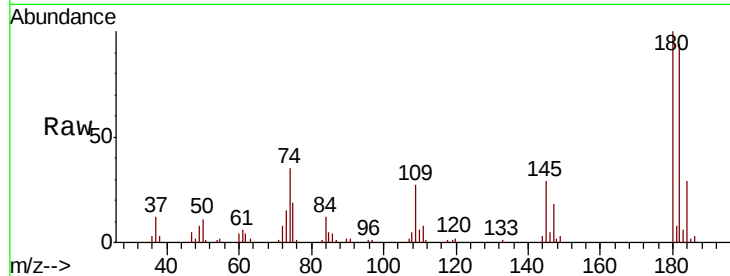




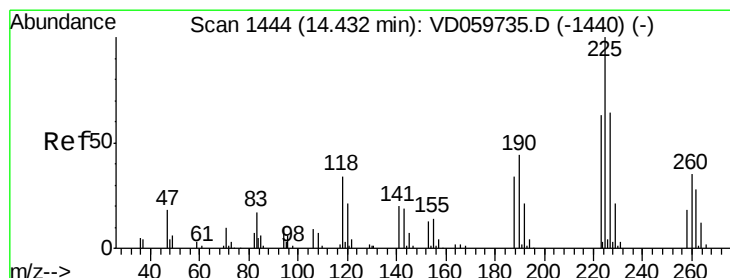
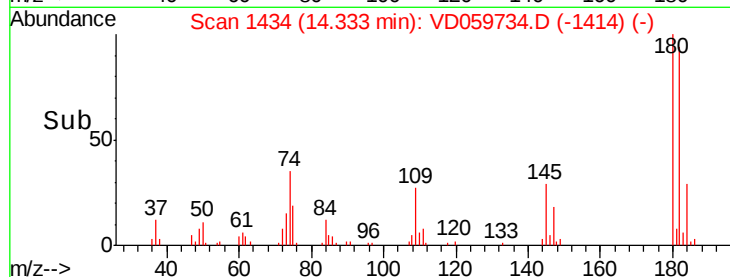
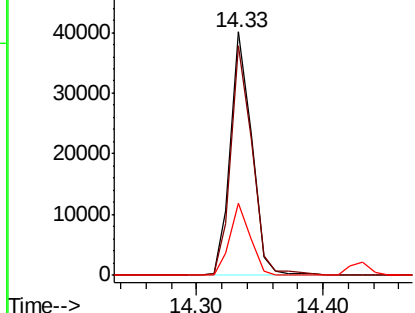
#93
 1,2,4-Trichlorobenzene
 Concen: 21.44 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion:180 Resp: 46929
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.4
 145 29.4 15.8 47.3

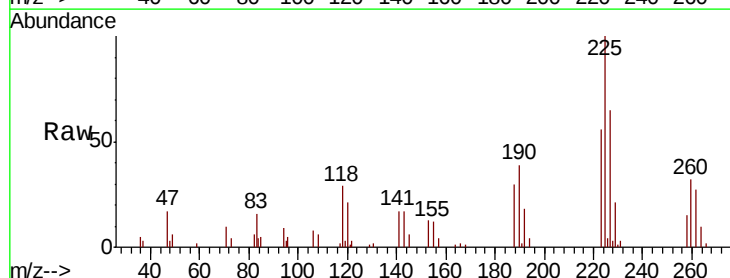


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

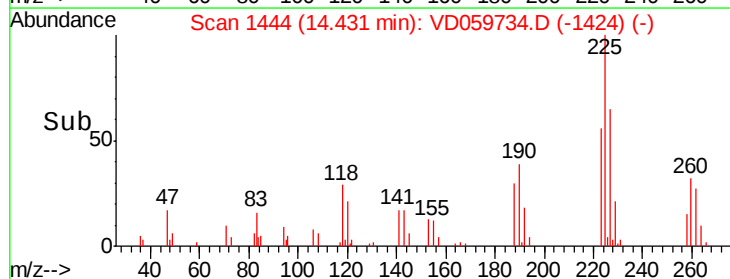
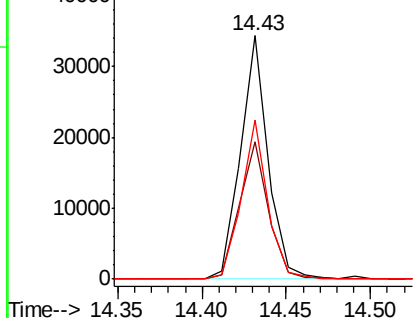


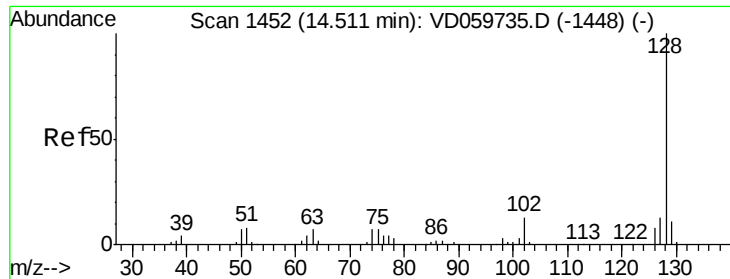
#94
 Hexachlorobutadiene
 Concen: 22.73 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion:225 Resp: 38820
 Ion Ratio Lower Upper
 225 100
 223 56.5 31.5 94.5
 227 65.1 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: 18.88 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

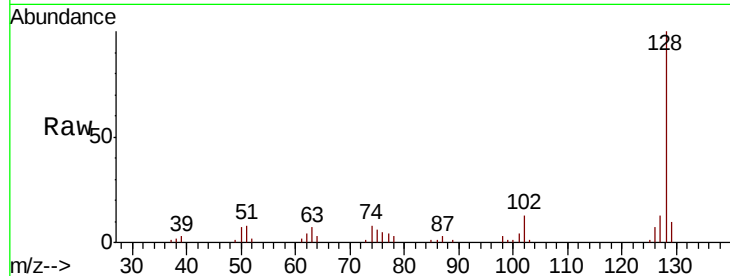
Tot Ion:128 Resp: 60186

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

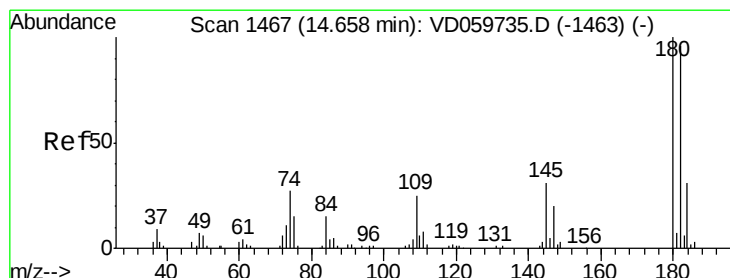
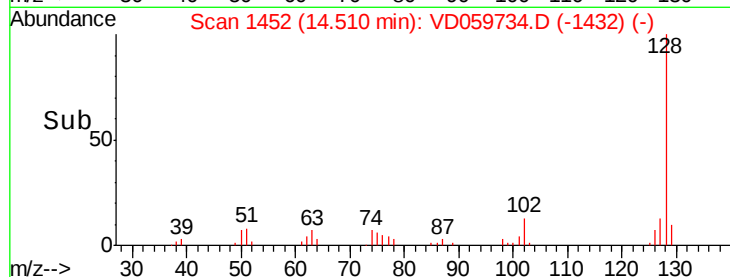
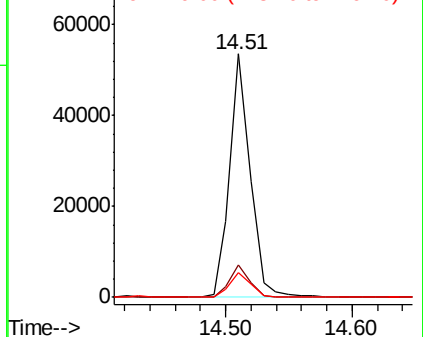
129 10.2 8.9 13.3



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: 21.32 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

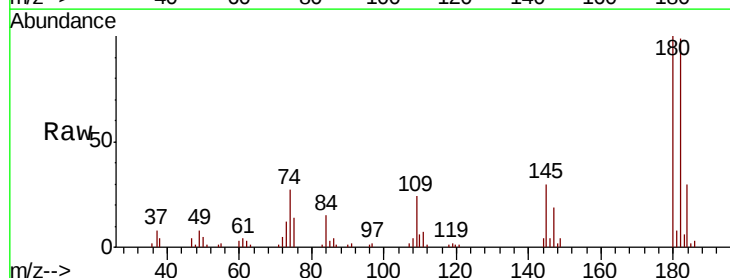
Tgt Ion:180 Resp: 40246

Ion Ratio Lower Upper

180 100

182 99.2 48.1 144.4

145 30.0 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

