

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059709.D
 Acq On : 8 Aug 2018 13:21
 Operator : VA/AP
 Sample : VD0808SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Quant Time: Aug 08 14:21:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	218250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	265113	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	205355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	112286	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	140342	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	5.53	113	117848	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	8.70	98	248419	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.93	95	116155	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	50597	16.516	ug/l	96
3) Chloromethane	1.47	50	24055	17.622	ug/l	91
4) Vinyl Chloride	1.54	62	29426	18.462	ug/l	98
5) Bromomethane	1.78	94	7654	14.593	ug/l	93
6) Chloroethane	1.86	64	11043	17.048	ug/l	88
7) Trichlorofluoromethane	2.07	101	49544	19.072	ug/l	91
8) Diethyl Ether	2.33	74	10576	22.225	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.53	101	28498	19.421	ug/l	98
10) Methyl Iodide	2.68	142	30372	18.004	ug/l	95
11) Tert butyl alcohol	3.26	59	11091	108.567	ug/l #	76
12) 1,1-Dichloroethene	2.53	96	21270	19.840	ug/l	81
13) Acrolein	2.46	56	8246	85.938	ug/l	94
14) Allyl chloride	2.91	41	51008	20.793	ug/l	89
15) Acrylonitrile	3.34	53	27047	95.454	ug/l	95
16) Acetone	2.60	43	47741	90.524	ug/l	98
17) Carbon Disulfide	2.74	76	73918	19.086	ug/l #	94
18) Methyl Acetate	2.93	43	18018	18.489	ug/l #	89
19) Methyl tert-butyl Ether	3.39	73	83375	20.380	ug/l	98
20) Methylene Chloride	3.06	84	33319	16.066	ug/l	91
21) trans-1,2-Dichloroethene	3.37	96	25813	18.395	ug/l	94
22) Diisopropyl ether	4.06	45	99566	17.256	ug/l	98
23) Vinyl Acetate	4.00	43	332974	91.023	ug/l	99
24) 1,1-Dichloroethane	3.96	63	67796	17.752	ug/l	99
25) 2-Butanone	4.83	43	53694	77.516	ug/l	96
26) 2,2-Dichloropropane	4.79	77	77606	19.028	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	34873	17.115	ug/l	85
28) Bromochloromethane	5.13	49	25931	18.391	ug/l #	82
29) Tetrahydrofuran	5.17	42	23825	88.812	ug/l	97
30) Chloroform	5.31	83	80154	17.218	ug/l	96
31) Cyclohexane	5.57	56	44895	15.778	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	82974	18.325	ug/l	97
36) 1,1-Dichloropropene	5.73	75	55796	18.931	ug/l	95
37) Ethyl Acetate	4.91	43	26850	18.762	ug/l #	95
38) Carbon Tetrachloride	5.71	117	80821	20.491	ug/l	96

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
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 VD0808SBS01

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	43908	17.627	ug/l	94
40) Benzene	6.00	78	99865	17.470	ug/l	99
41) Methacrylonitrile	5.12	41	13820	20.655	ug/l	91
42) 1,2-Dichloroethane	6.11	62	66273	18.754	ug/l	100
43) Isopropyl Acetate	7.61	43	33590	17.958	ug/l	99
44) Trichloroethene	6.97	130	36664	17.556	ug/l	89
45) 1,2-Dichloropropane	7.33	63	27726	18.369	ug/l	99
46) Dibromomethane	7.45	93	22685	17.343	ug/l	90
47) Bromodichloromethane	7.74	83	59422	17.836	ug/l #	93
48) Methyl methacrylate	7.50	41	24449	19.803	ug/l	96
49) 1,4-Dioxane	7.48	88	3657	367.123	ug/l #	84
51) 4-Methyl-2-Pentanone	8.59	43	115342	84.555	ug/l	97
52) Toluene	8.79	92	67582	18.534	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	53578	19.009	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	53477	18.421	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	24551	17.530	ug/l	89
56) Ethyl methacrylate	9.30	69	29068	18.811	ug/l	96
57) 1,3-Dichloropropane	9.66	76	40056	18.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	75918	103.122	ug/l	95
59) 2-Hexanone	9.78	43	87591	85.509	ug/l	96
60) Dibromochloromethane	9.95	129	42337	19.023	ug/l	94
61) 1,2-Dibromoethane	10.09	107	29066	18.049	ug/l	90
64) Tetrachloroethene	9.51	164	36934	18.995	ug/l	95
65) Chlorobenzene	10.72	112	80464	18.594	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	37651	19.846	ug/l	97
67) Ethyl Benzene	10.86	91	151440	19.432	ug/l	98
68) m/p-Xylenes	11.00	106	100518	40.318	ug/l	85
69) o-Xylene	11.40	106	47737	19.696	ug/l	95
70) Styrene	11.43	104	79608	19.568	ug/l	95
71) Bromoform	11.59	173	29697	20.777	ug/l #	98
73) Isopropylbenzene	11.77	105	154079	20.418	ug/l	99
74) N-amyl acetate	11.64	43	47049	19.488	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	28694	18.949	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	35272	20.320	ug/l	99
77) Bromobenzene	12.04	156	43025	19.561	ug/l	92
78) n-propylbenzene	12.15	91	185504	19.837	ug/l	98
79) 2-Chlorotoluene	12.21	91	108952	19.291	ug/l	93
80) 1,3,5-Trimethylbenzene	12.31	105	132222	21.035	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	8085	19.086	ug/l	95
82) 4-Chlorotoluene	12.32	91	132265	20.006	ug/l	90
83) tert-Butylbenzene	12.57	119	141537	20.117	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	127795	19.184	ug/l	99
85) sec-Butylbenzene	12.76	105	153074	19.592	ug/l	100
86) p-Isopropyltoluene	12.88	119	138011	20.713	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	72171	19.012	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	72848	19.235	ug/l	97
89) n-Butylbenzene	13.19	91	129176	19.120	ug/l	99
90) Hexachloroethane	13.39	117	34073	19.730	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	62657	19.599	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6187	19.562	ug/l	78

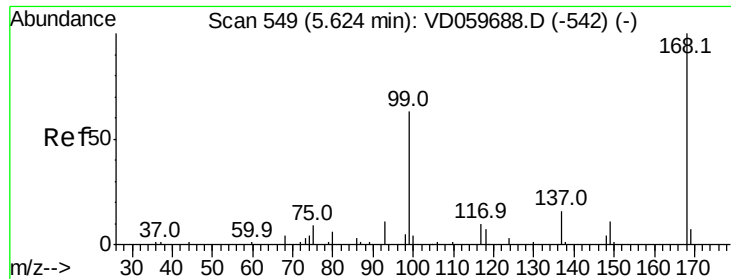
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080818\
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Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	56316	19.582	ug/l	98
94) Hexachlorobutadiene	14.44	225	43317	19.422	ug/l	99
95) Naphthalene	14.52	128	80863	18.986	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	49869	19.824	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

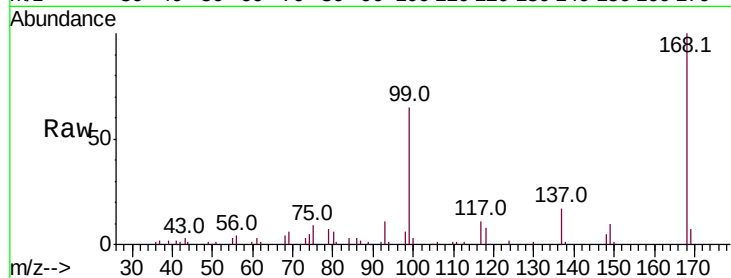
VD0808SBS01

Tot Ion:168 Resp: 218250

Ion Ratio Lower Upper

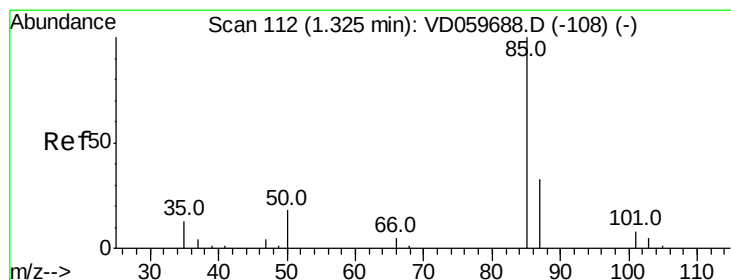
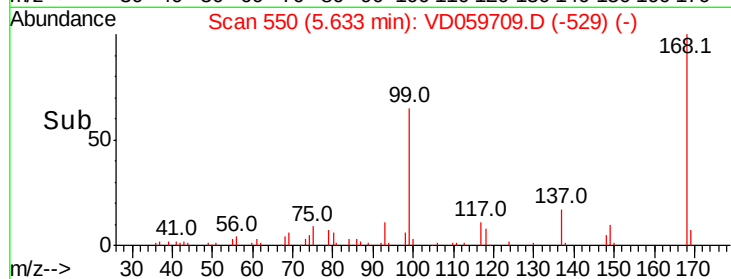
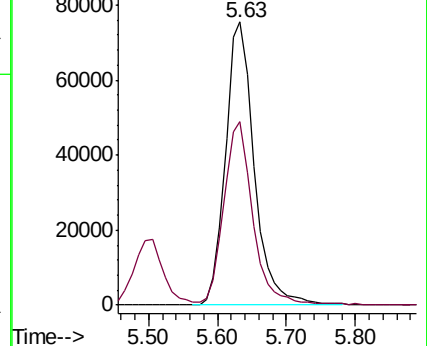
168 100

99 64.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.516 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD059709.D

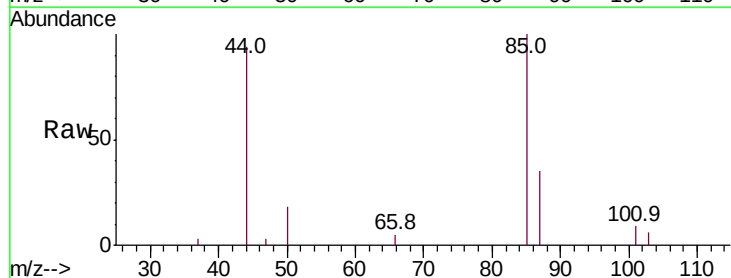
Acq: 8 Aug 2018 13:21

Tgt Ion: 85 Resp: 50597

Ion Ratio Lower Upper

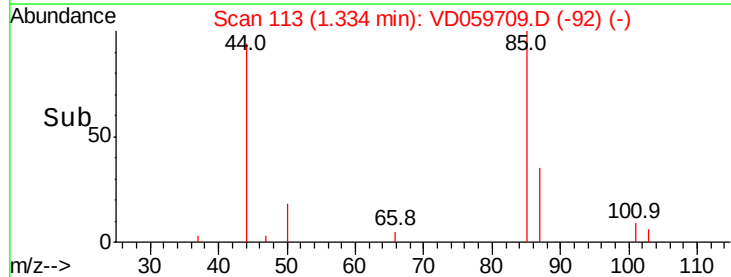
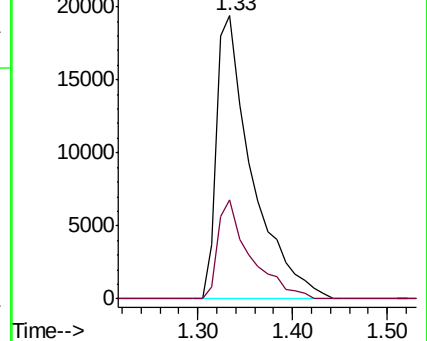
85 100

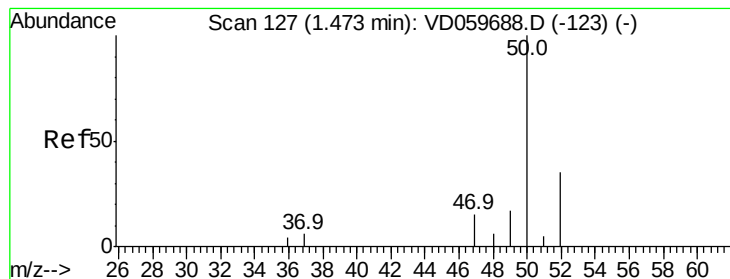
87 35.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.622 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

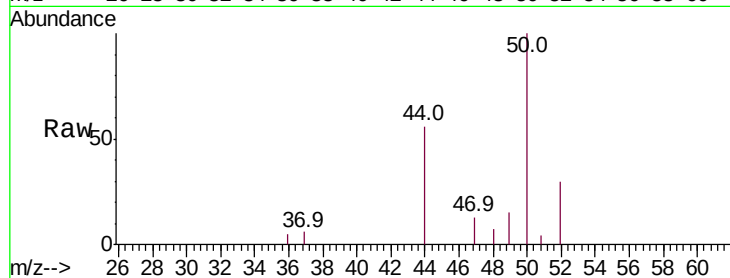
VD0808SBS01

Tot Ion: 50 Resp: 24055

Ion Ratio Lower Upper

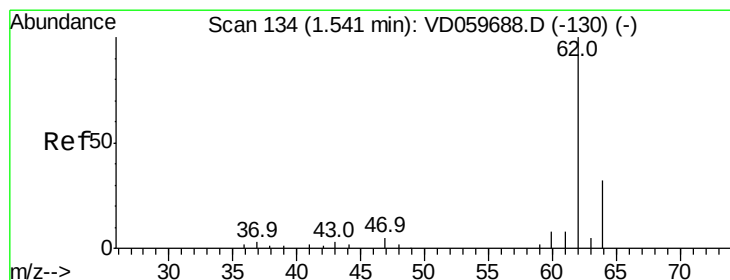
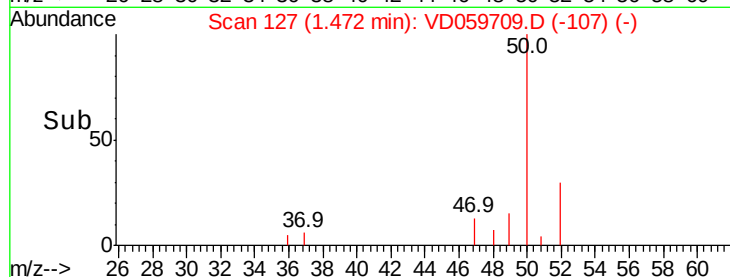
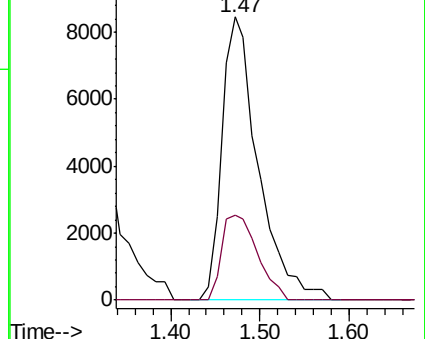
50 100

52 29.9 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.462 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059709.D

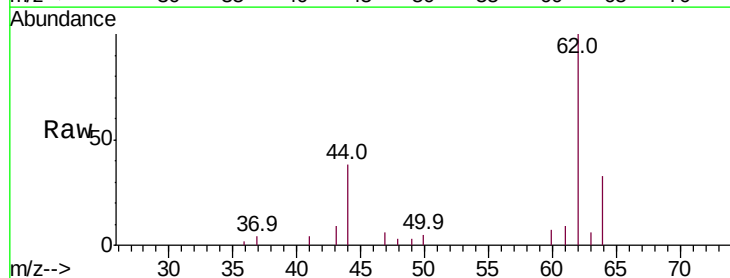
Acq: 8 Aug 2018 13:21

Tgt Ion: 62 Resp: 29426

Ion Ratio Lower Upper

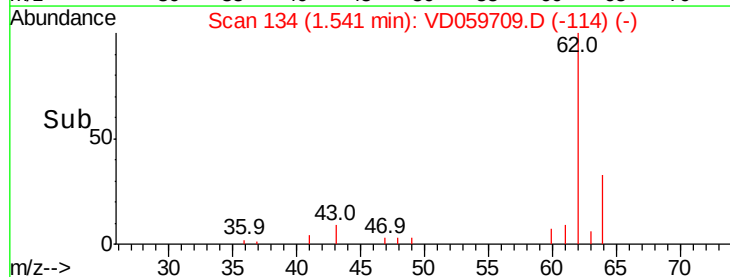
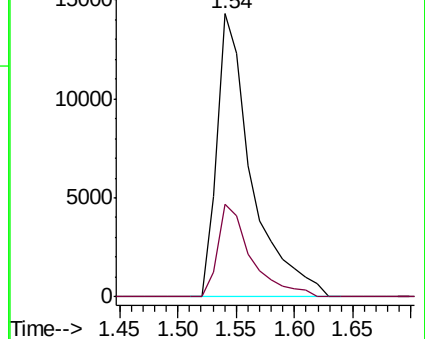
62 100

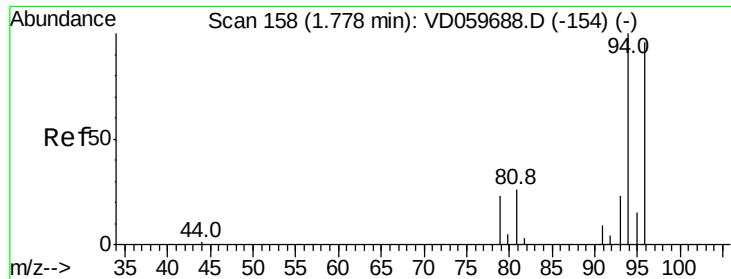
64 32.6 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.593 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

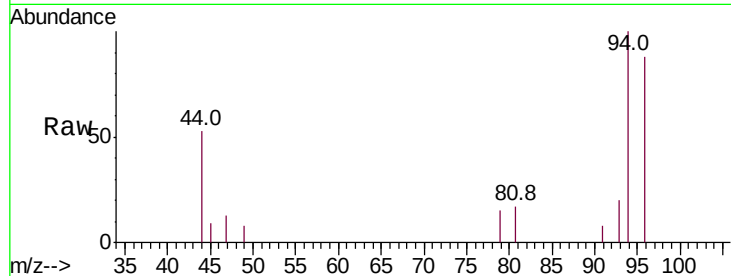
VD0808SBS01

Tot Ion: 94 Resp: 7654

Ion Ratio Lower Upper

94 100

96 88.4 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.78

5000

4000

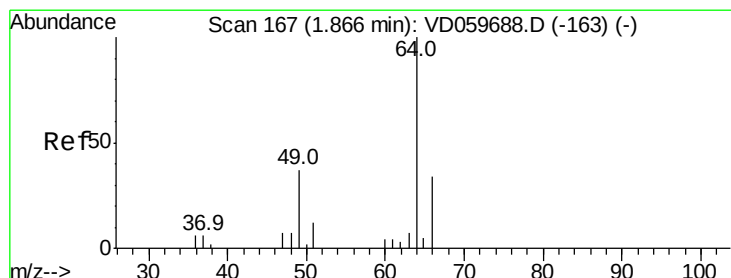
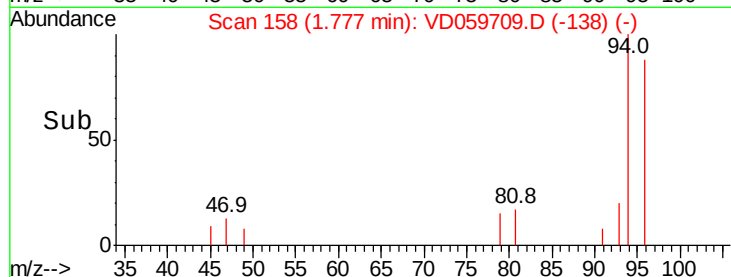
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 17.048 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059709.D

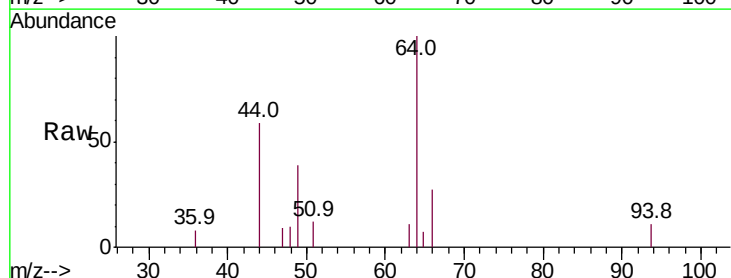
Acq: 8 Aug 2018 13:21

Tgt Ion: 64 Resp: 11043

Ion Ratio Lower Upper

64 100

66 27.4 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.86

5000

4000

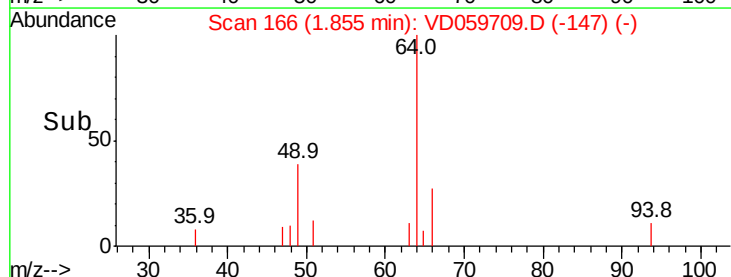
3000

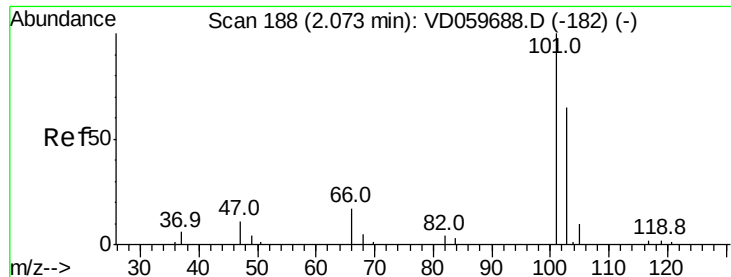
2000

1000

0

Time-->



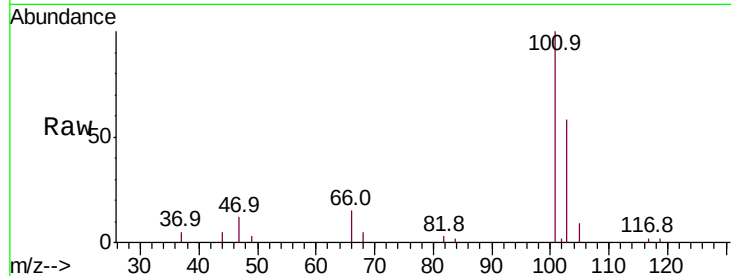


#7

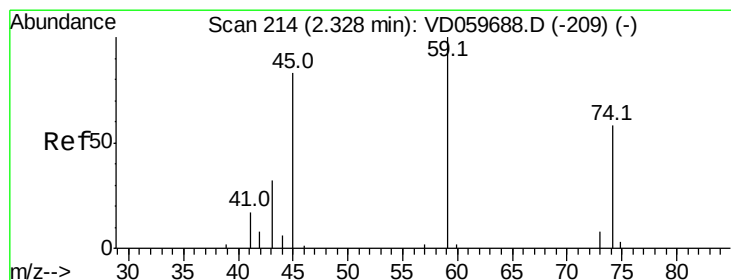
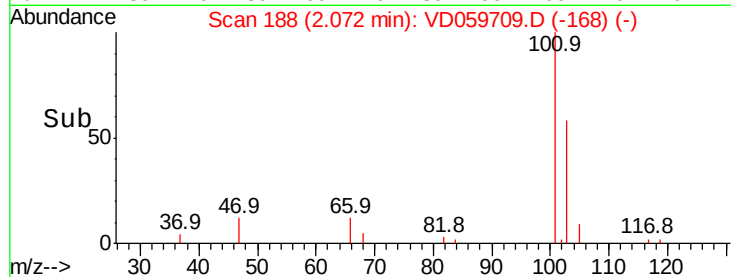
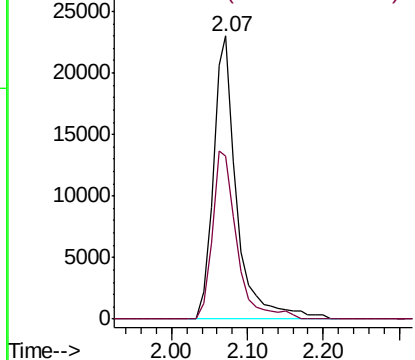
Trichlorofluoromethane
 Concen: 19.072 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tot Ion:101 Resp: 49544
 Ion Ratio Lower Upper
 101 100
 103 57.5 51.7 77.5



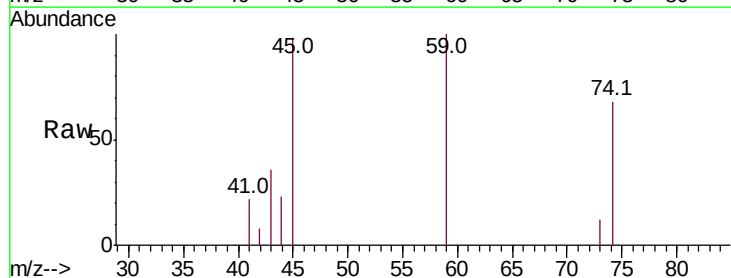
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



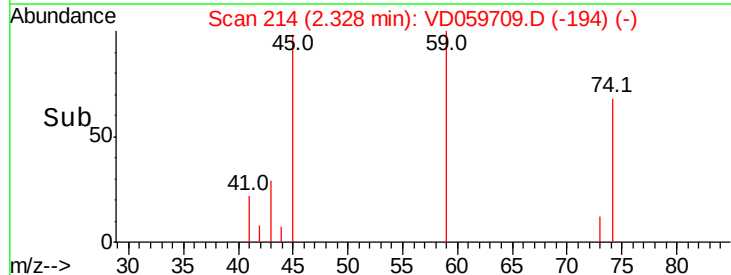
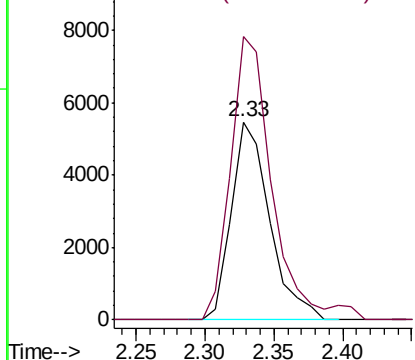
#8

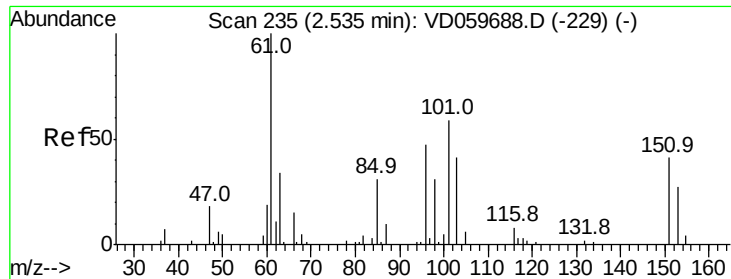
Diethyl Ether
 Concen: 22.225 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion: 74 Resp: 10576
 Ion Ratio Lower Upper
 74 100
 45 142.8 71.4 214.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.421 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

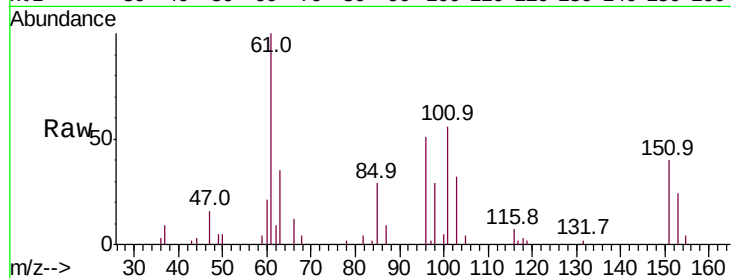
Tot Ion:101 Resp: 28498

Ion Ratio Lower Upper

101 100

85 52.2 42.2 63.4

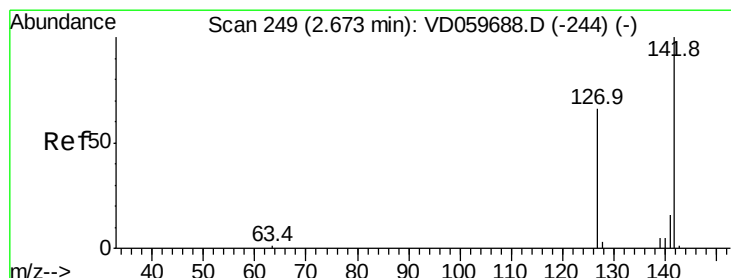
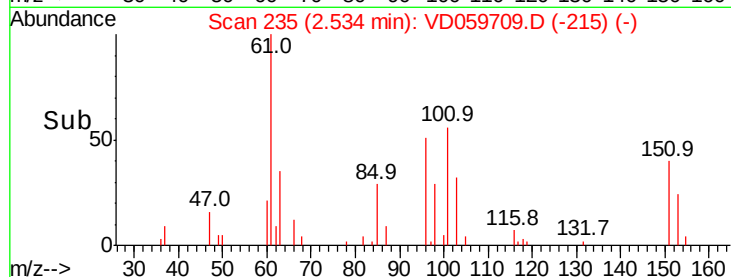
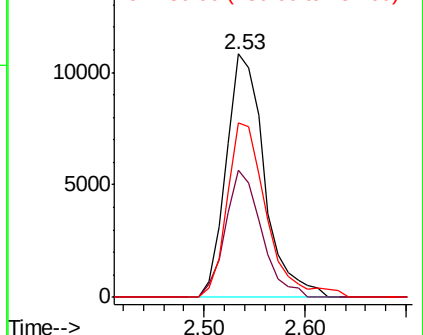
151 71.8 55.2 82.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.004 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

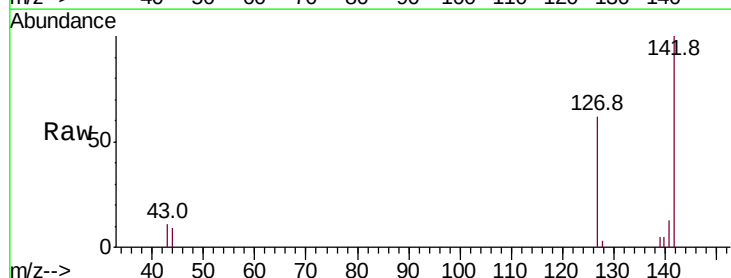
Tgt Ion:142 Resp: 30372

Ion Ratio Lower Upper

142 100

127 62.5 52.6 79.0

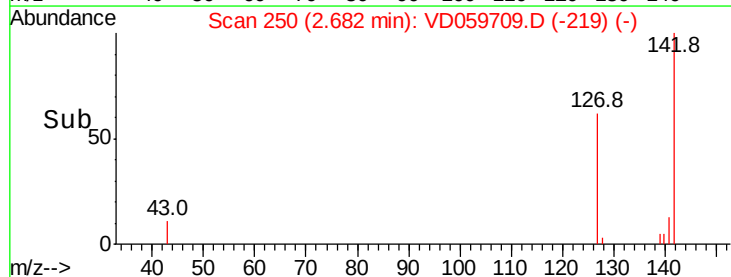
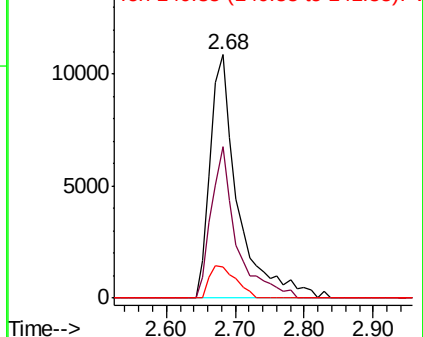
141 12.7 12.5 18.7

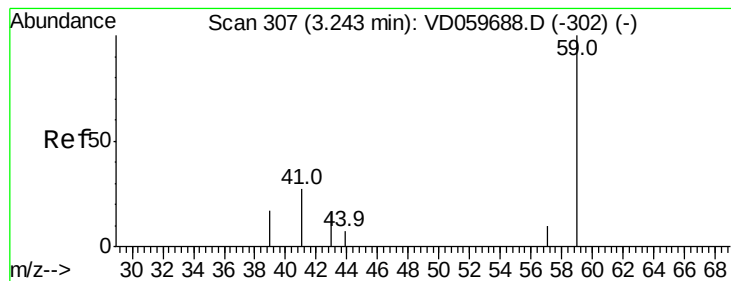


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



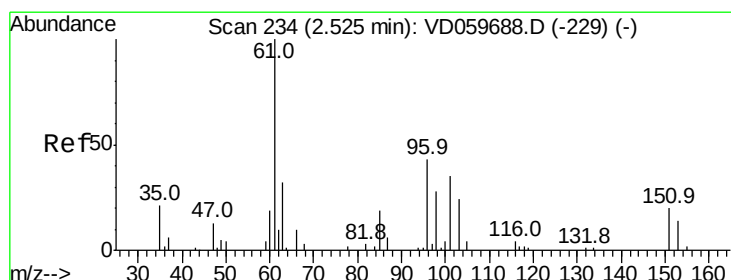
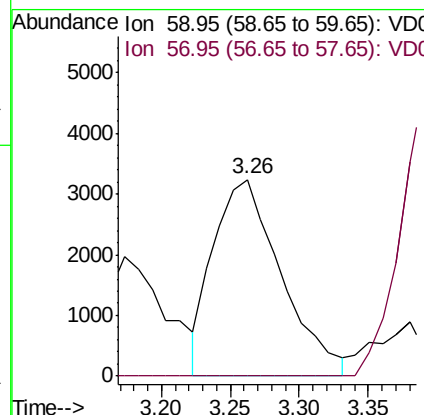
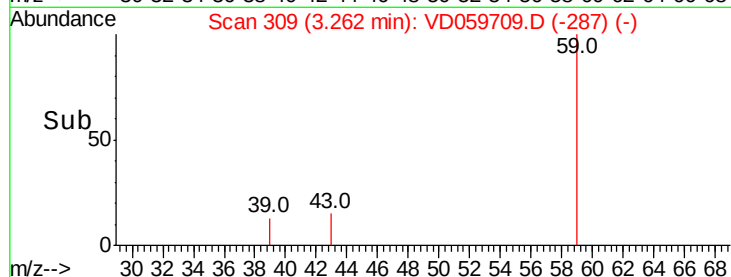
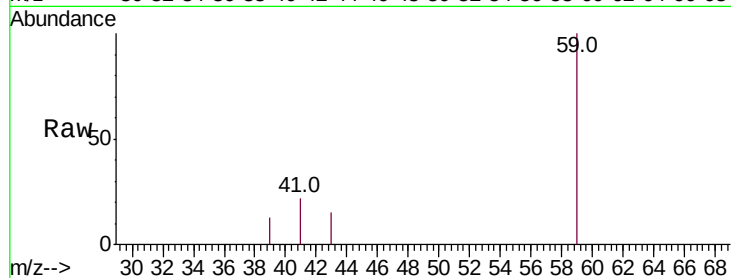


#11

Tert butyl alcohol
 Concen: 108.567 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. 0.02 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

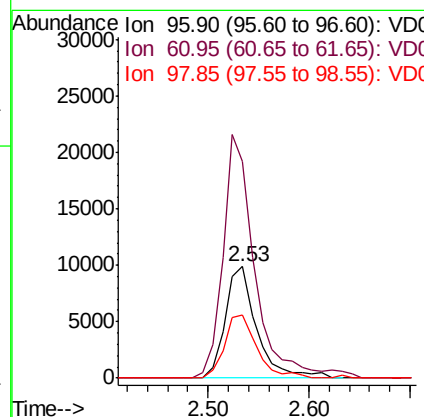
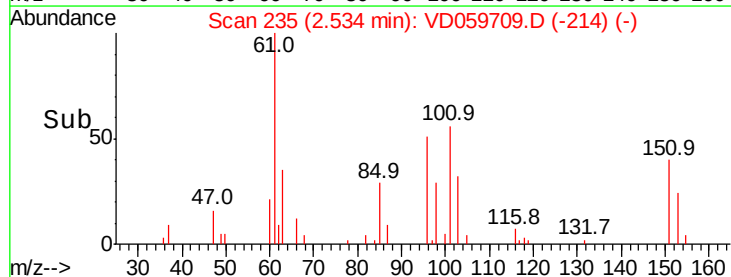
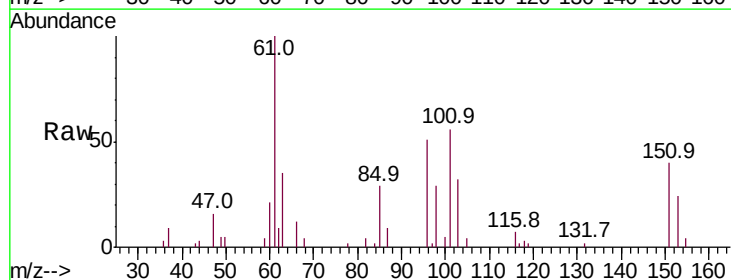
Tot Ion: 59 Resp: 11091
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

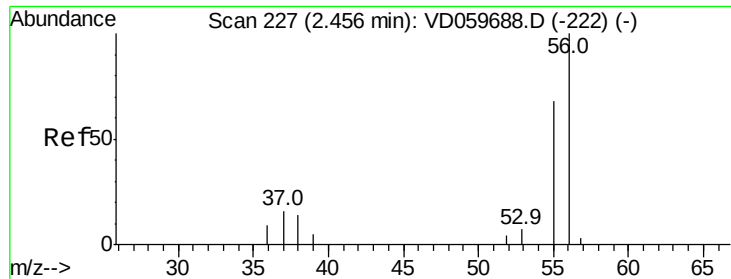


#12

1,1-Dichloroethene
 Concen: 19.840 ug/l
 RT: 2.53 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion: 96 Resp: 21270
 Ion Ratio Lower Upper
 96 100
 61 194.7 184.1 276.1
 98 56.4 52.4 78.6





#13

Acrolein

Concen: 85.938 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

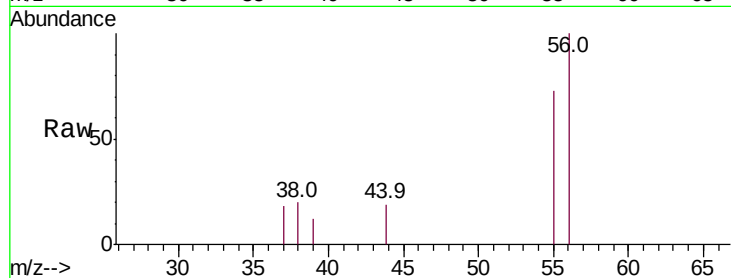
VD0808SBS01

Tot Ion: 56 Resp: 8246

Ion Ratio Lower Upper

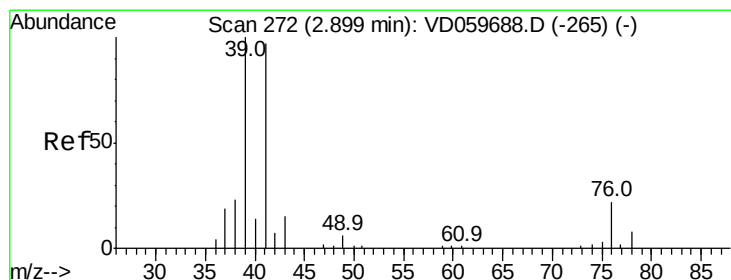
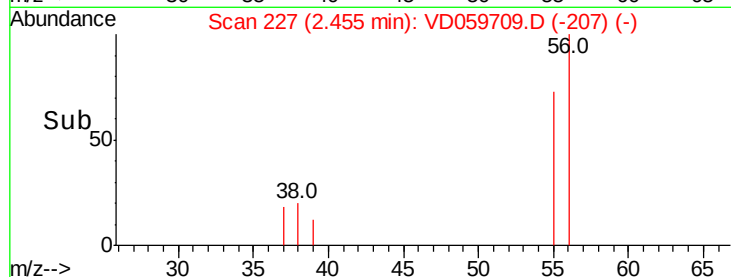
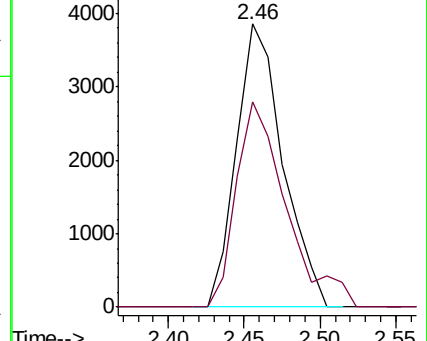
56 100

55 72.6 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.793 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

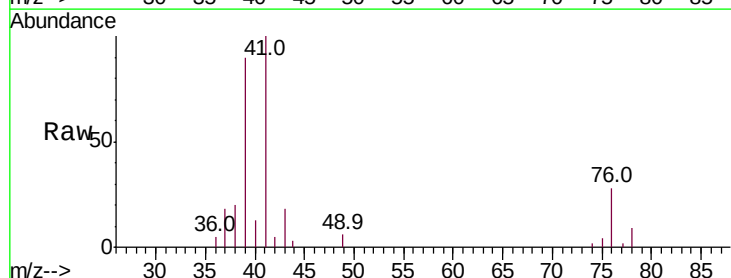
Tgt Ion: 41 Resp: 51008

Ion Ratio Lower Upper

41 100

39 89.8 82.5 123.7

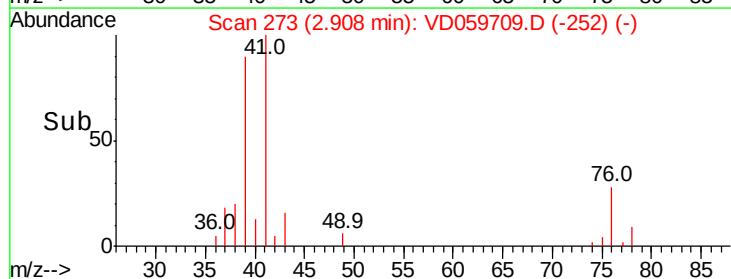
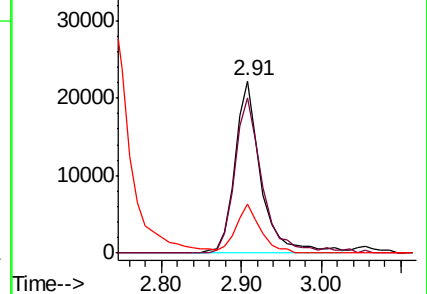
76 28.2 22.1 33.1

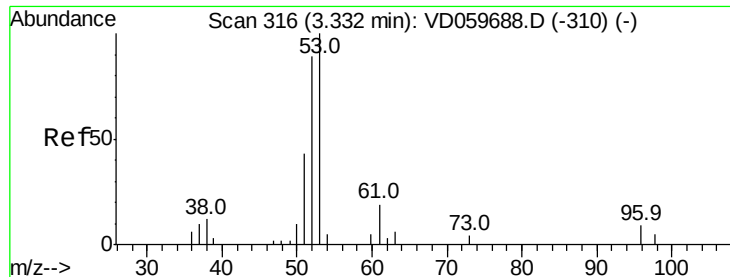


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.454 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

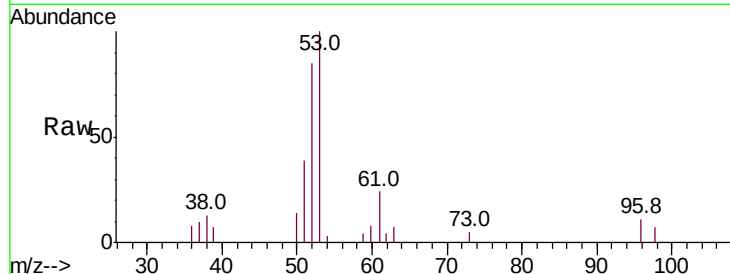
Tot Ion: 53 Resp: 27047

Ion Ratio Lower Upper

53 100

52 84.8 71.4 107.0

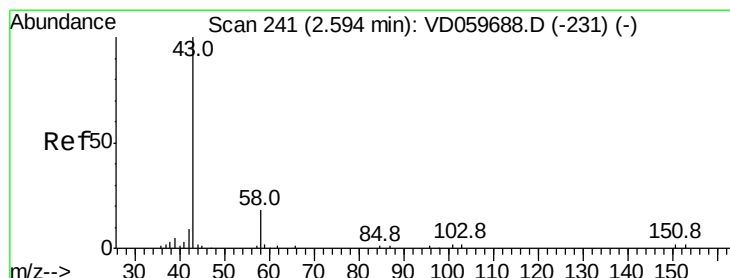
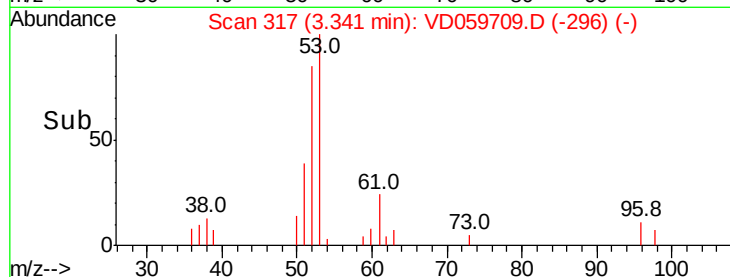
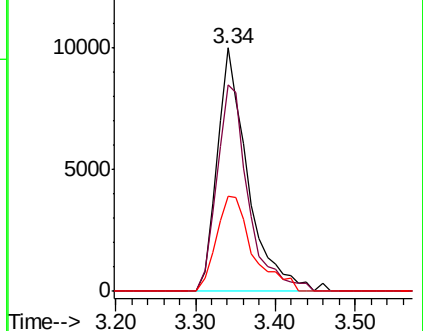
51 39.2 34.2 51.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 90.524 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059709.D

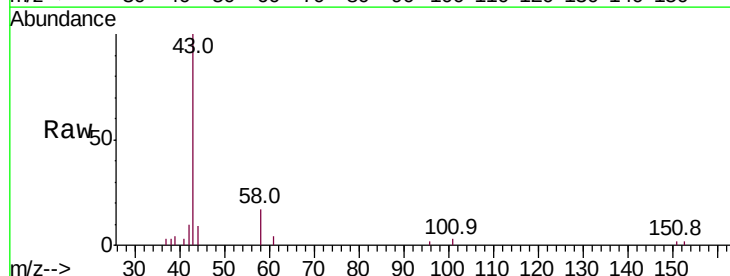
Acq: 8 Aug 2018 13:21

Tgt Ion: 43 Resp: 47741

Ion Ratio Lower Upper

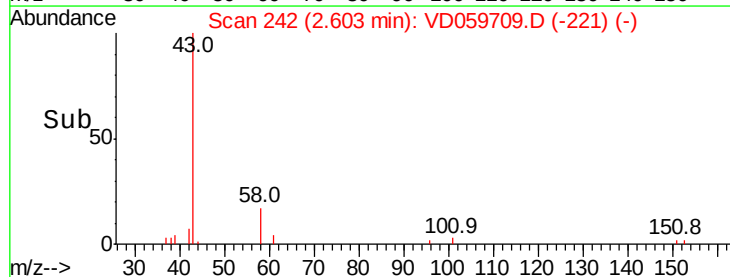
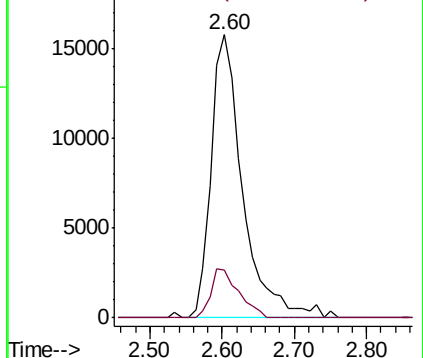
43 100

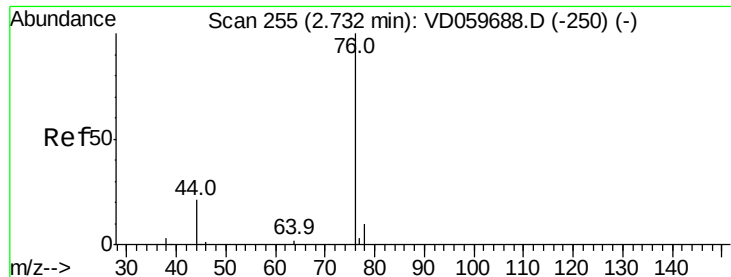
58 16.9 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.086 ug/l

RT: 2.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

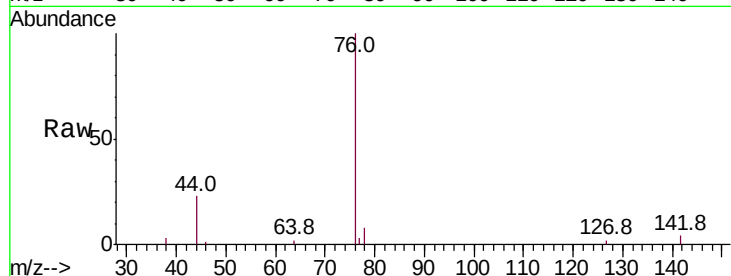
VD0808SBS01

Tot Ion: 76 Resp: 73918

Ion Ratio Lower Upper

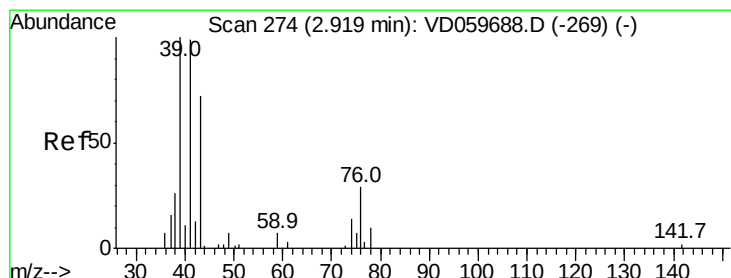
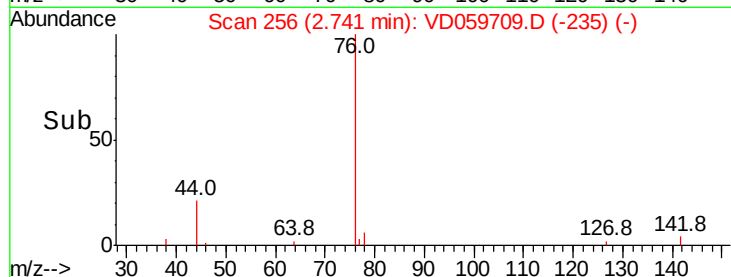
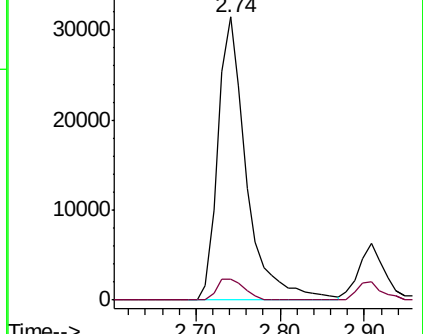
76 100

78 7.5 7.7 11.5#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.489 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059709.D

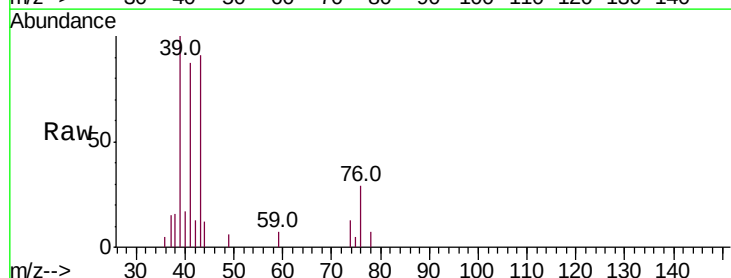
Acq: 8 Aug 2018 13:21

Tgt Ion: 43 Resp: 18018

Ion Ratio Lower Upper

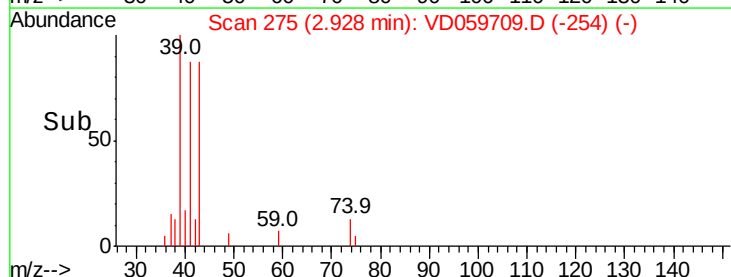
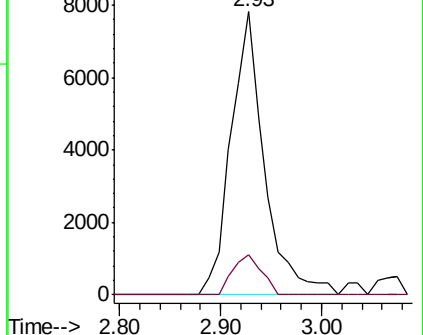
43 100

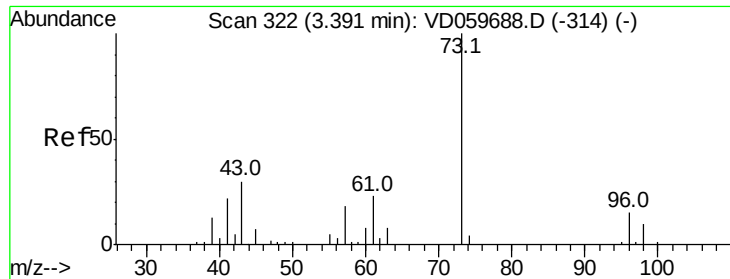
74 14.4 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

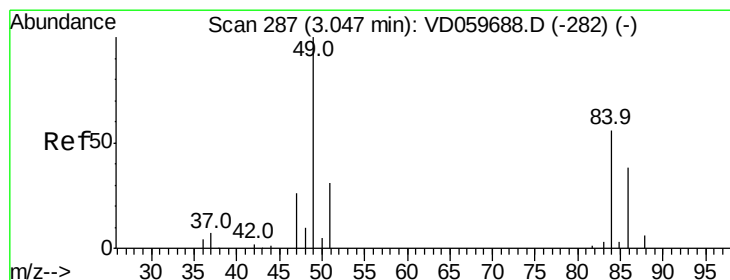
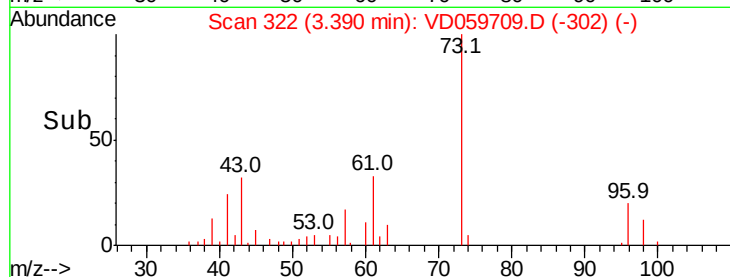
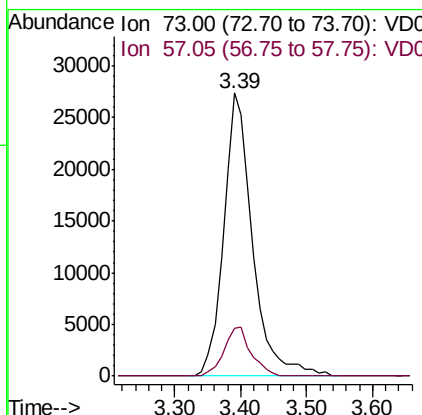
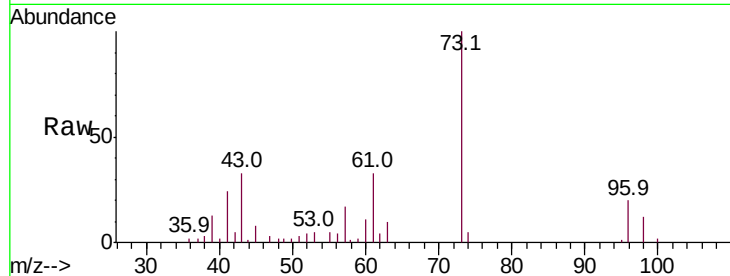




#19
Methyl tert-butyl Ether
Concen: 20.380 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

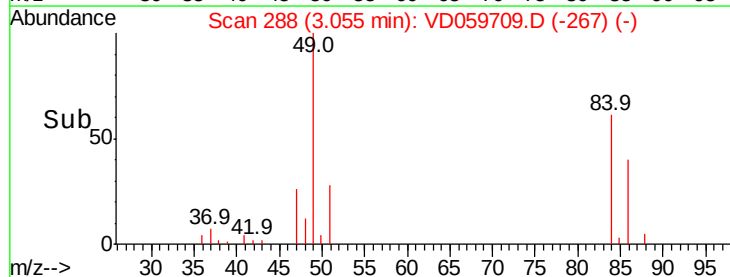
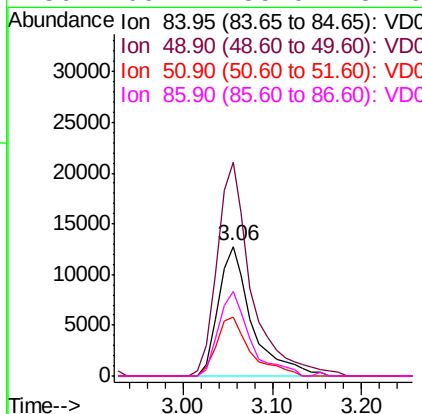
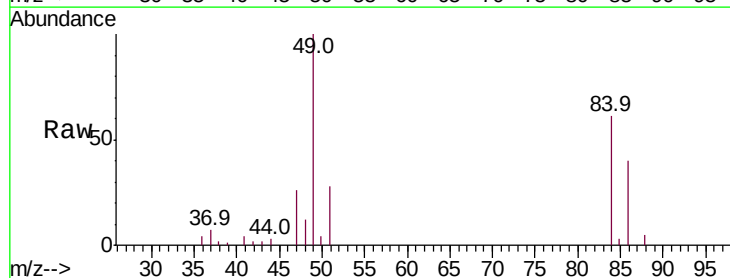
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

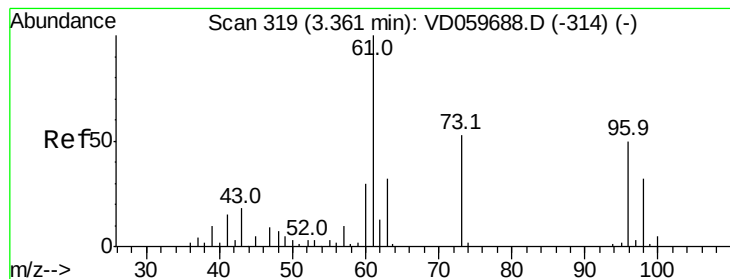
Tot Ion: 73 Resp: 83375
Ion Ratio Lower Upper
73 100
57 17.0 14.3 21.5



#20
Methylene Chloride
Concen: 16.066 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion: 84 Resp: 33319
Ion Ratio Lower Upper
84 100
49 165.0 143.4 215.2
51 45.5 44.2 66.4
86 65.4 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 18.395 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

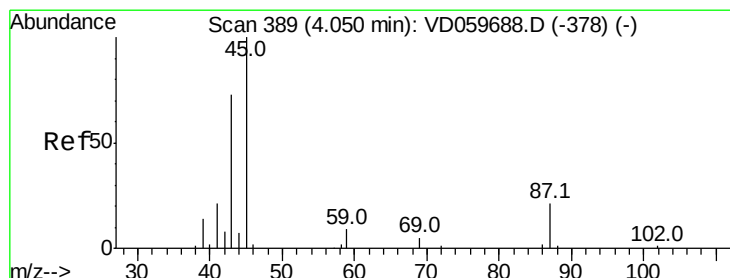
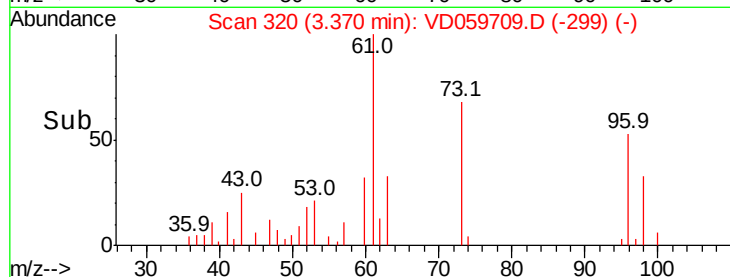
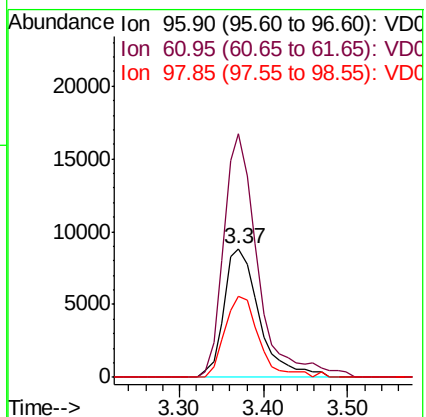
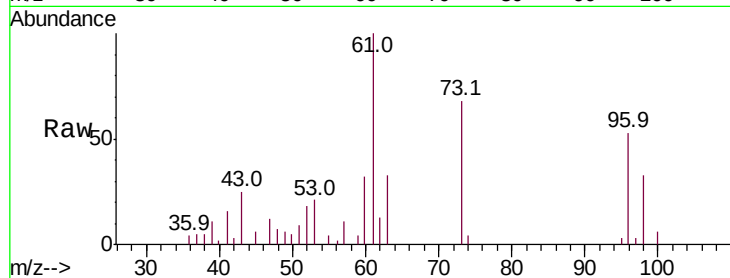
Tot Ion: 96 Resp: 25813

Ion Ratio Lower Upper

96 100

61 189.2 160.6 241.0

98 62.9 50.9 76.3



#22

Diisopropyl ether

Concen: 17.256 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Tgt Ion: 45 Resp: 99566

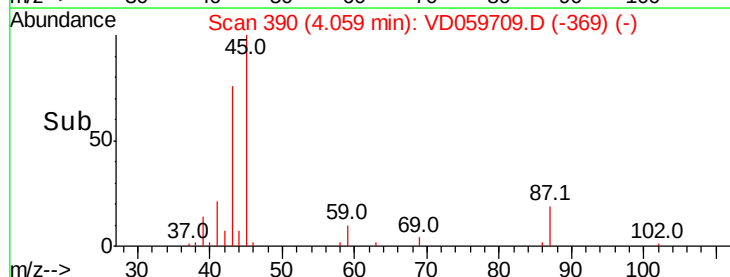
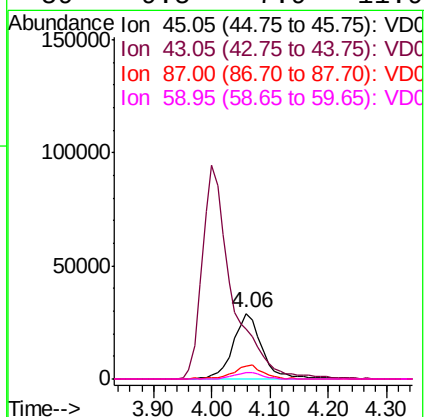
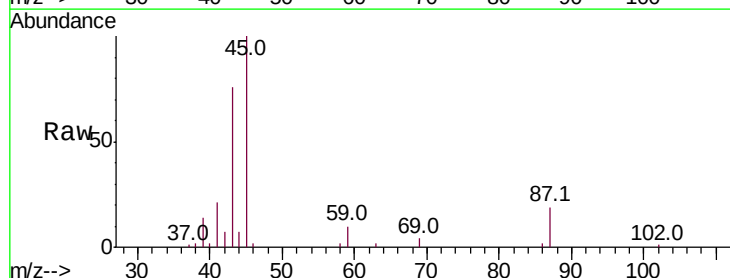
Ion Ratio Lower Upper

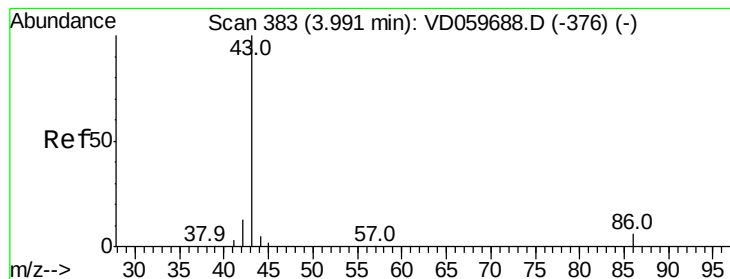
45 100

43 76.3 60.3 90.5

87 19.2 17.0 25.6

59 9.5 7.9 11.9





#23

Vinyl Acetate

Concen: 91.023 ug/l

RT: 4.00 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleID :

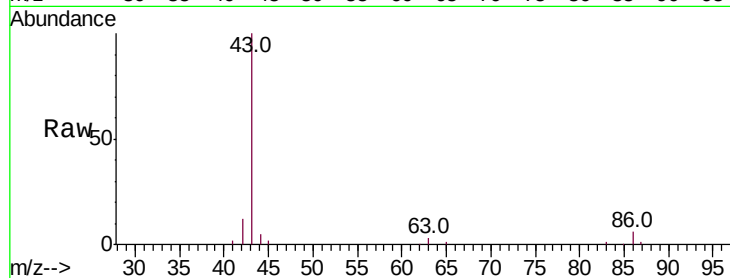
VD0808SBS01

Tot Ion: 43 Resp: 332974

Ion Ratio Lower Upper

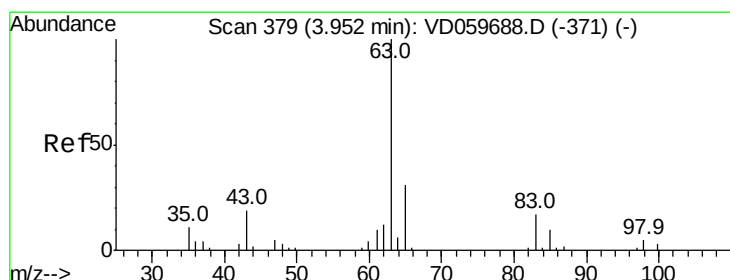
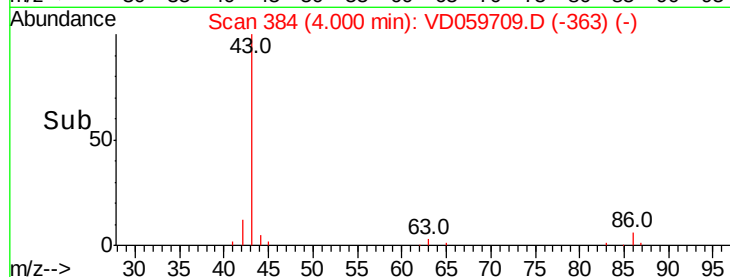
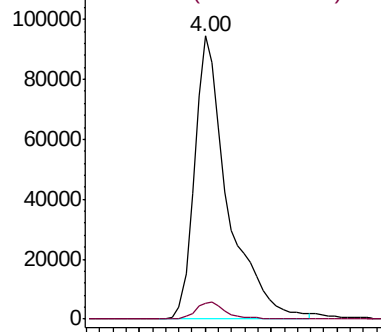
43 100

86 5.6 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 17.752 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

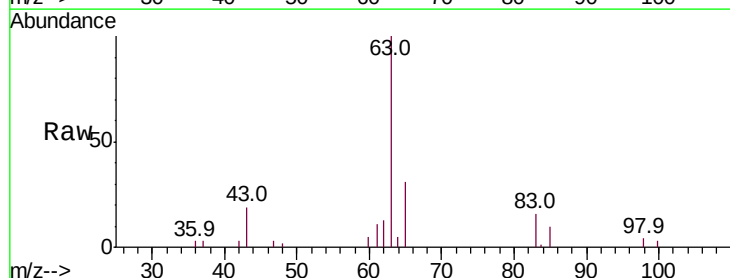
Tgt Ion: 63 Resp: 67796

Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.1

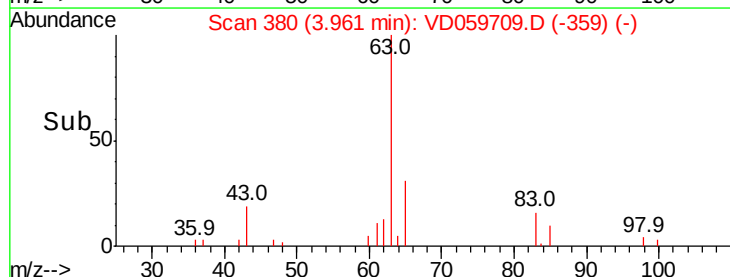
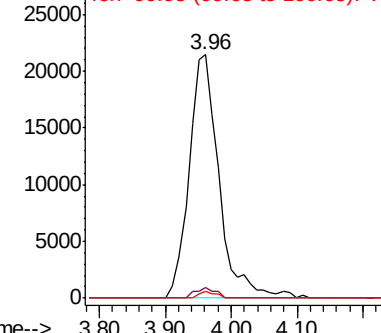
100 2.7 1.6 4.8

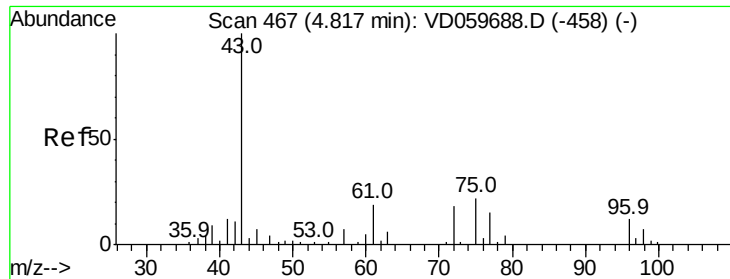


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 77.516 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

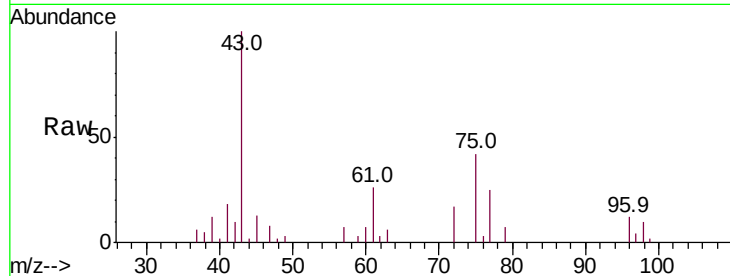
VD0808SBS01

Tot Ion: 43 Resp: 53694

Ion Ratio Lower Upper

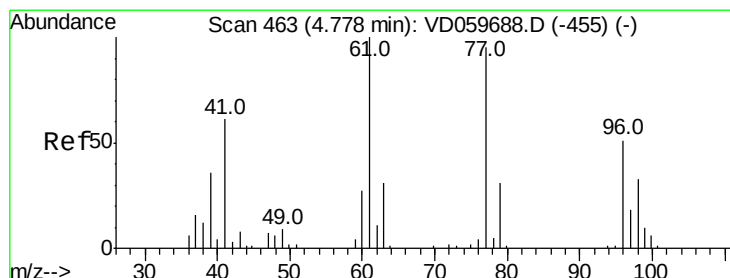
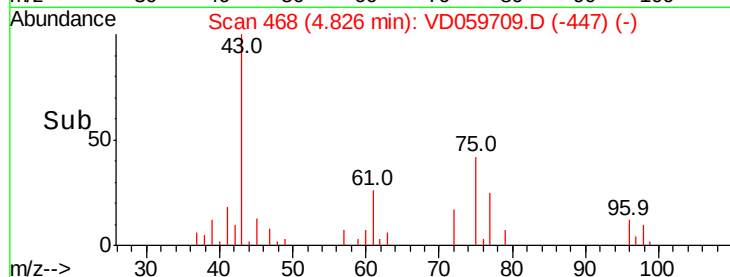
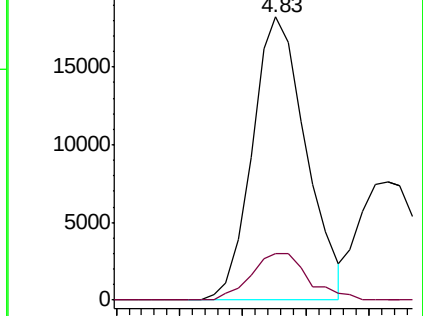
43 100

72 16.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.028 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059709.D

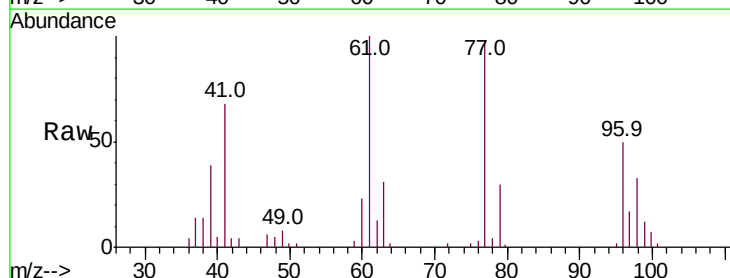
Acq: 8 Aug 2018 13:21

Tgt Ion: 77 Resp: 77606

Ion Ratio Lower Upper

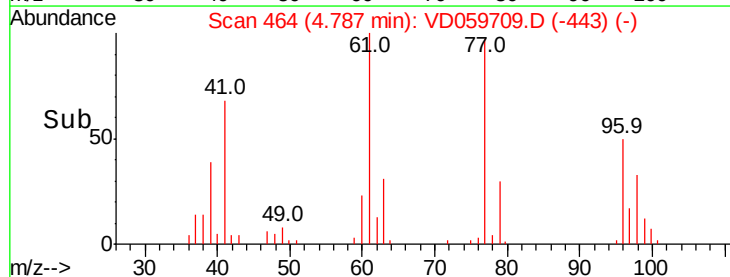
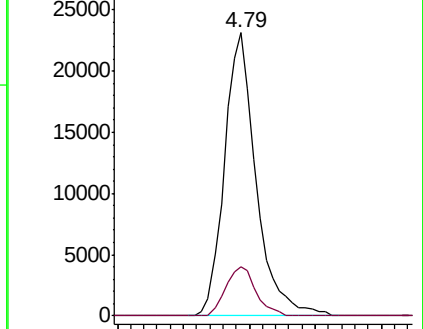
77 100

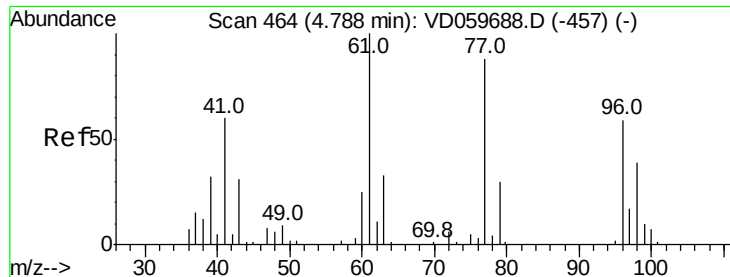
97 17.4 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



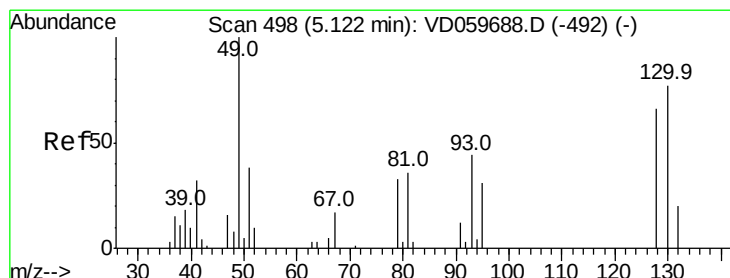
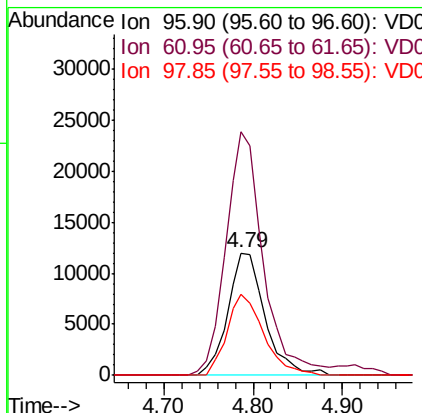
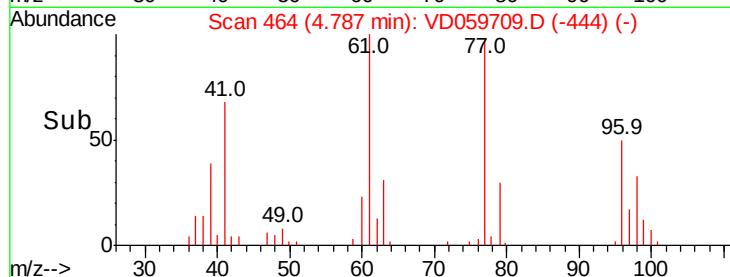
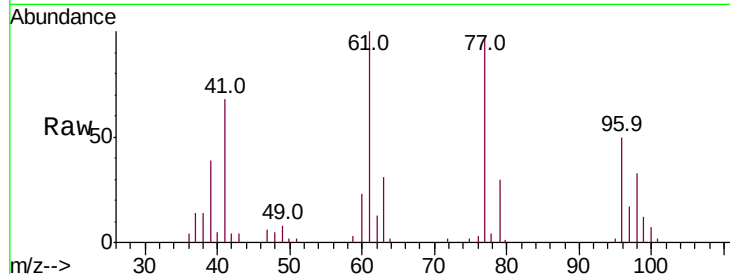


#27

cis-1,2-Dichloroethene
 Concen: 17.115 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

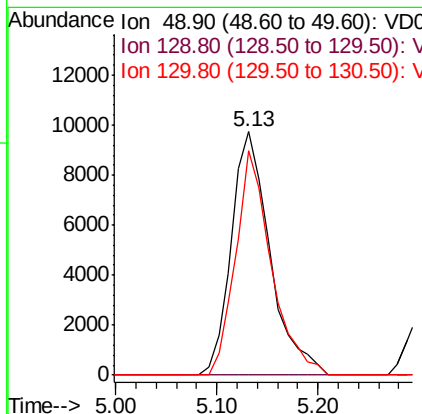
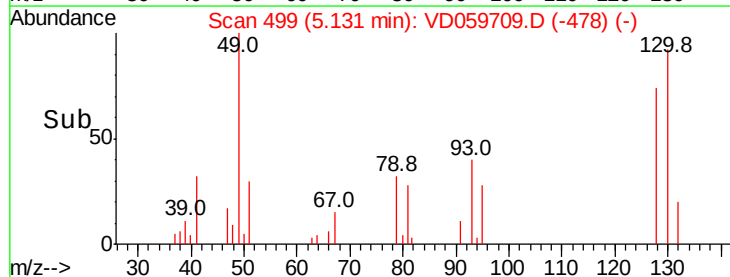
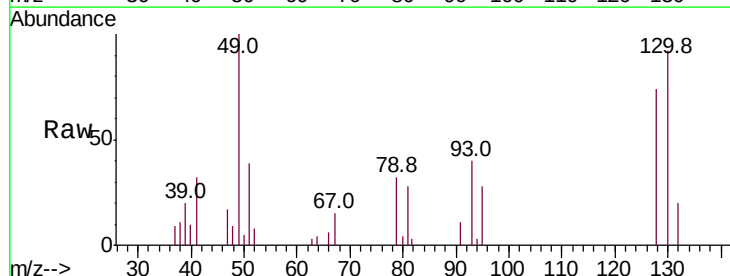
Tot Ion: 96 Resp: 34873
 Ion Ratio Lower Upper
 96 100
 61 199.0 0.0 341.6
 98 66.6 0.0 131.0

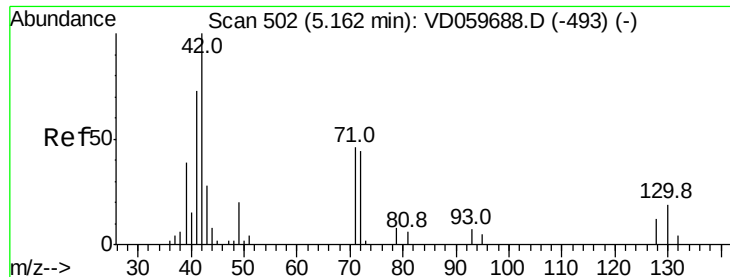


#28

Bromochloromethane
 Concen: 18.391 ug/l
 RT: 5.13 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion: 49 Resp: 25931
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 92.4 61.2 91.8#





#29

Tetrahydrofuran

Concen: 88.812 ug/l

RT: 5.17 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

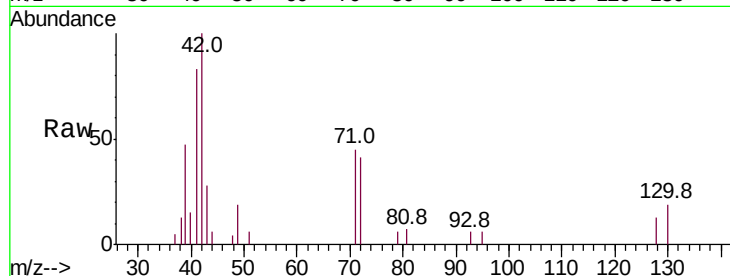
Tot Ion: 42 Resp: 23825

Ion Ratio Lower Upper

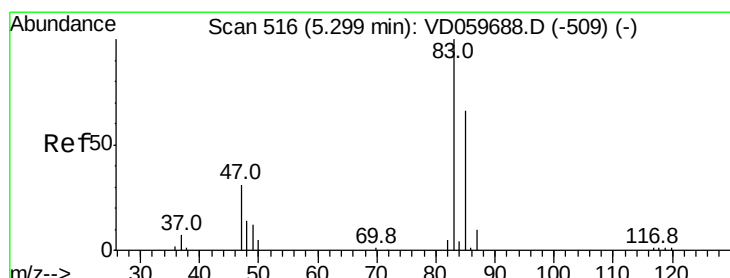
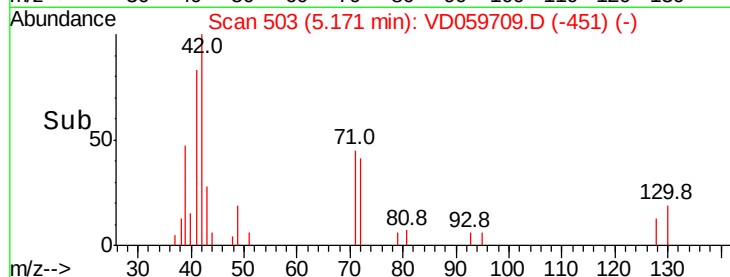
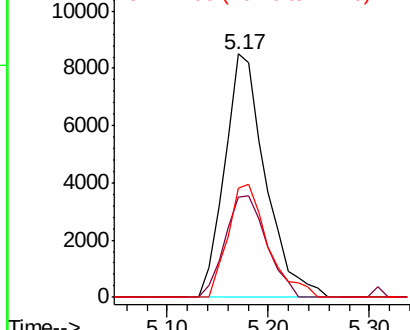
42 100

72 42.5 36.7 55.1

71 45.3 36.3 54.5



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: 17.218 ug/l

RT: 5.31 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD059709.D

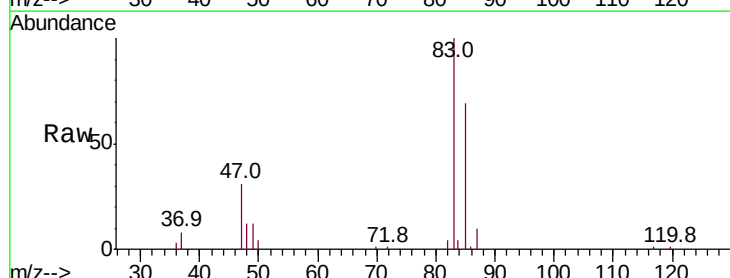
Acq: 8 Aug 2018 13:21

Tgt Ion: 83 Resp: 80154

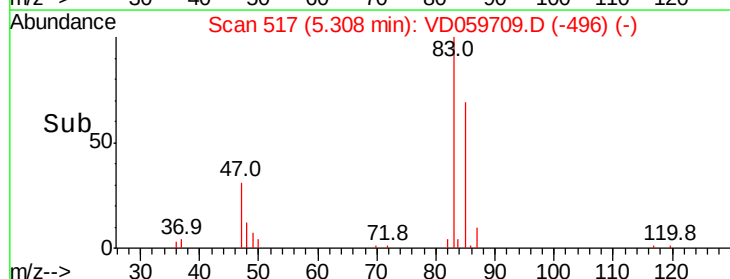
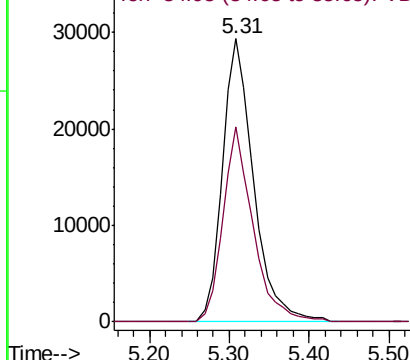
Ion Ratio Lower Upper

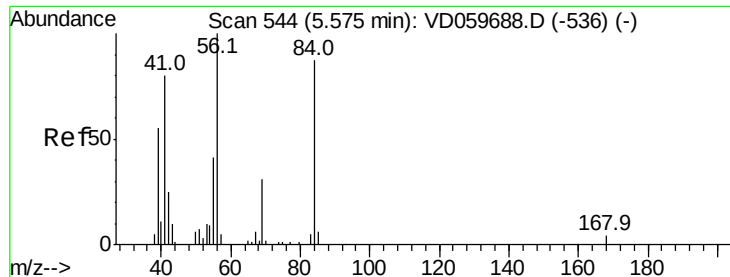
83 100

85 69.0 52.6 79.0



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

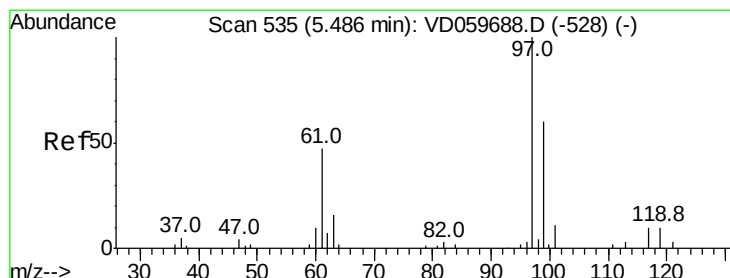
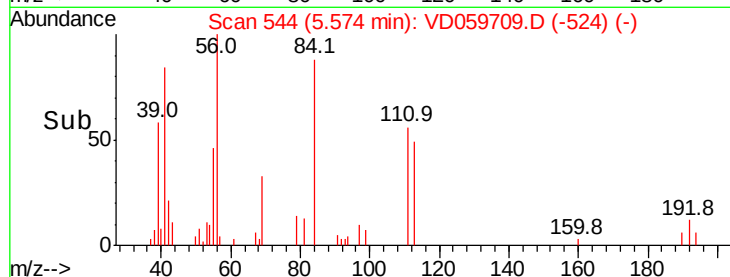
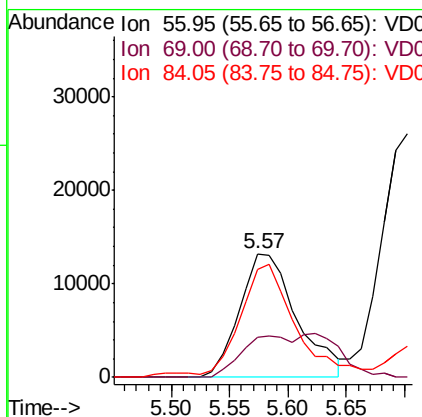
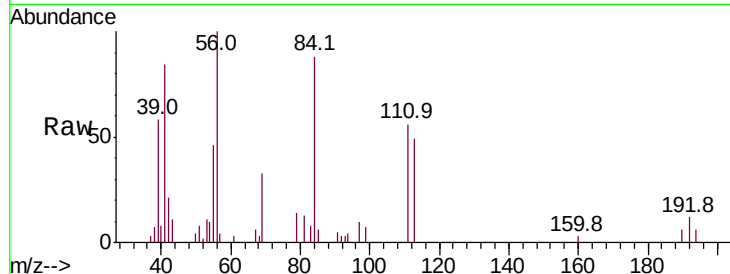




#31
Cyclohexane
Concen: 15.778 ug/l
RT: 5.57 min Scan# 544
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

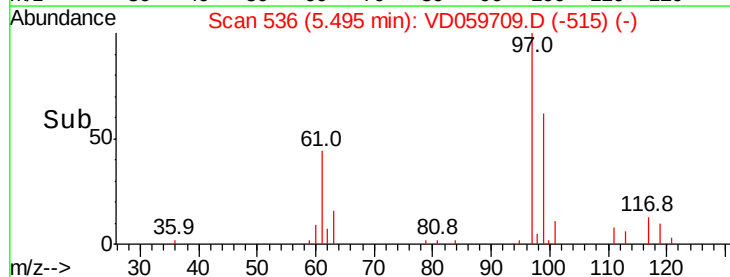
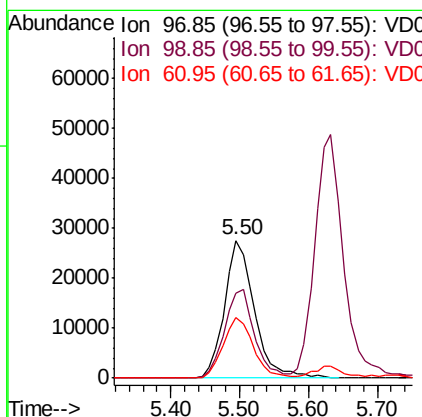
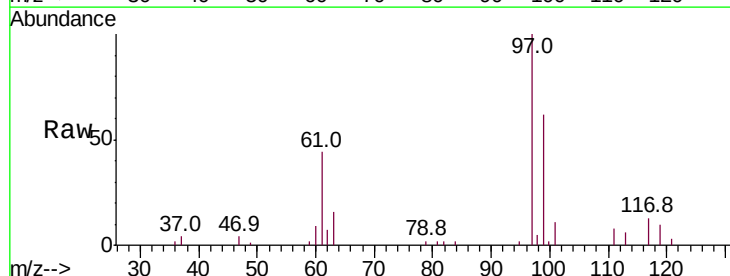
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

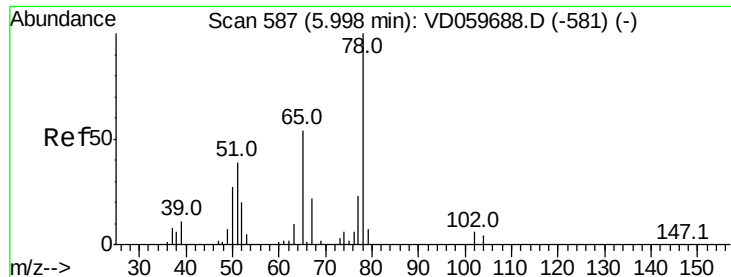
Tot Ion: 56 Resp: 44895
Ion Ratio Lower Upper
56 100
69 32.9 24.7 37.1
84 87.6 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 18.325 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion: 97 Resp: 82974
Ion Ratio Lower Upper
97 100
99 61.9 48.2 72.2
61 44.2 37.5 56.3

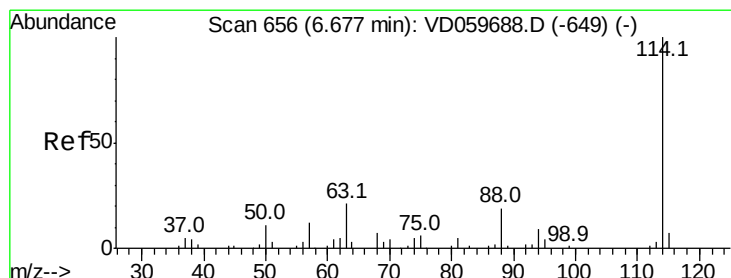
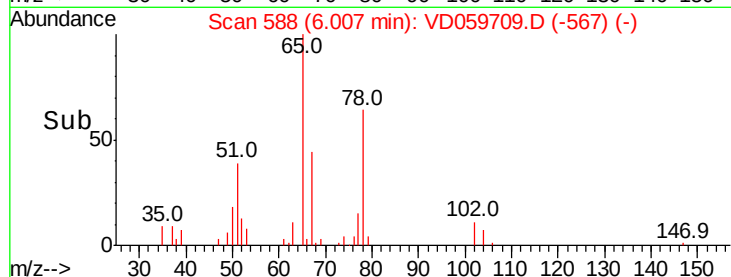
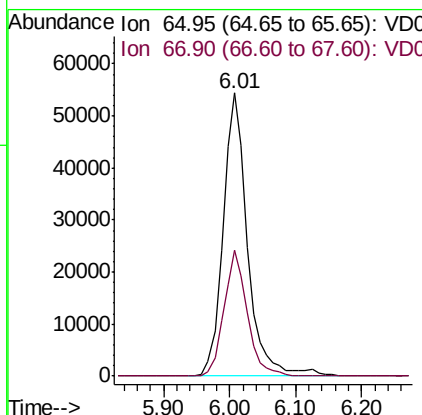
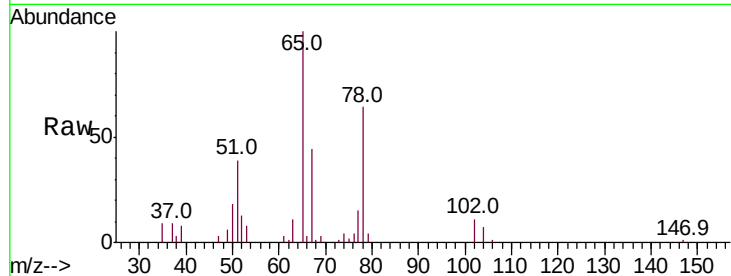




#33
 1,2-Dichloroethane-d4
 Concen: 18.325 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

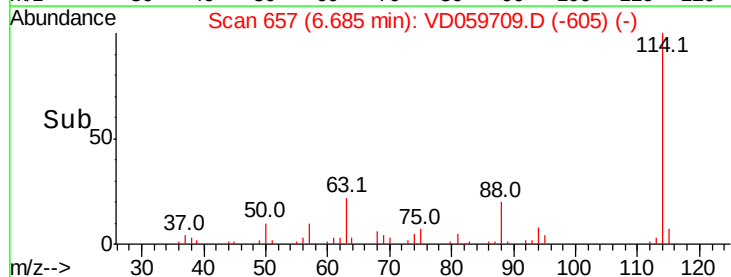
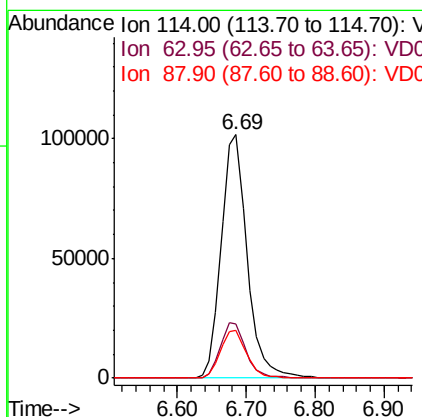
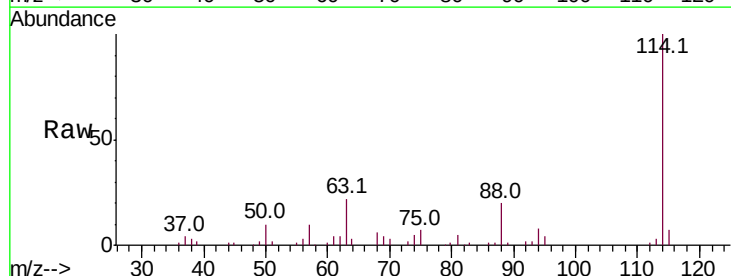
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

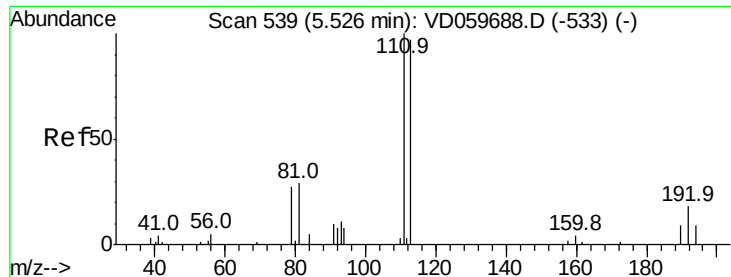
Tot Ion: 65 Resp: 140342
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion: 114 Resp: 265113
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.6
 88 19.6 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 540

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

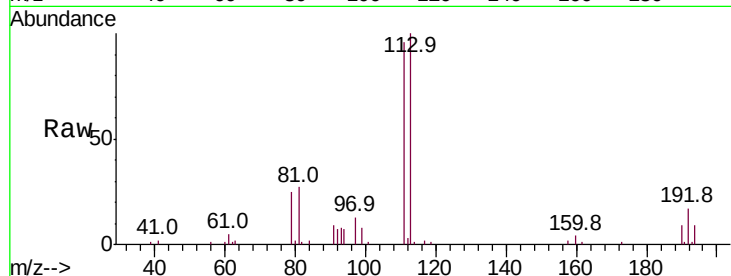
Tot Ion:113 Resp: 117848

Ion Ratio Lower Upper

113 100

111 95.7 82.8 124.2

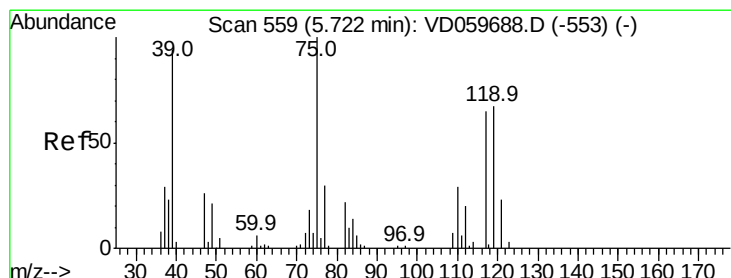
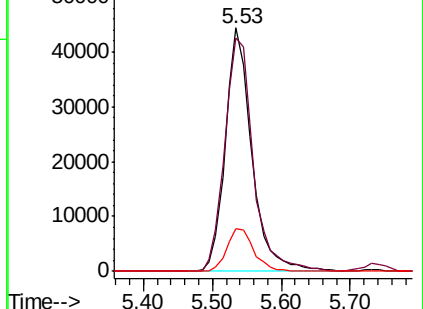
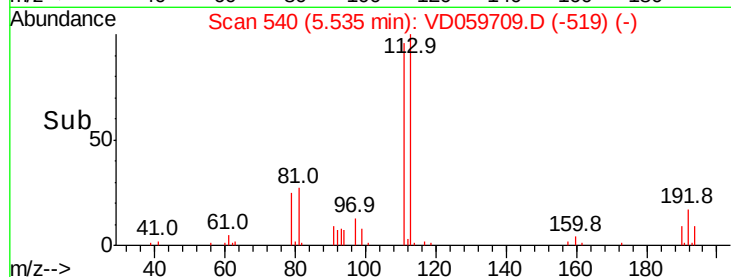
192 17.5 14.6 22.0



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: 18.931 ug/l

RT: 5.73 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

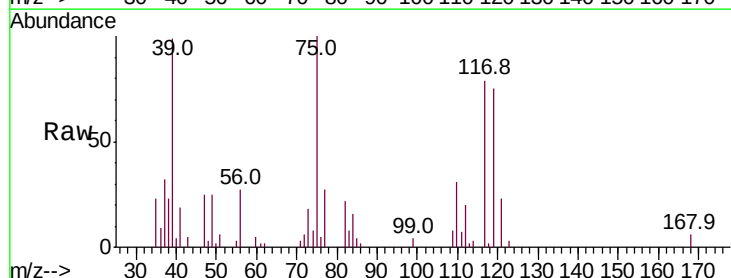
Tgt Ion: 75 Resp: 55796

Ion Ratio Lower Upper

75 100

110 31.1 14.1 42.3

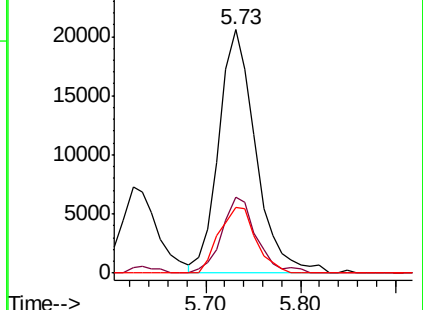
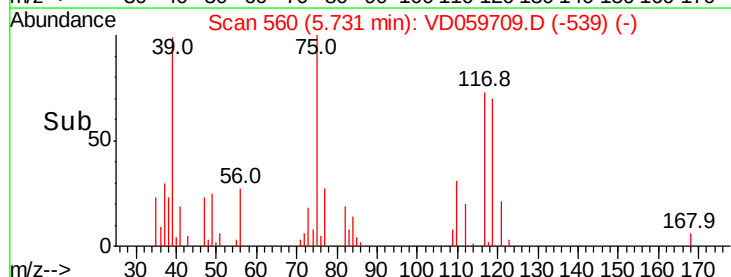
77 27.0 23.9 35.9

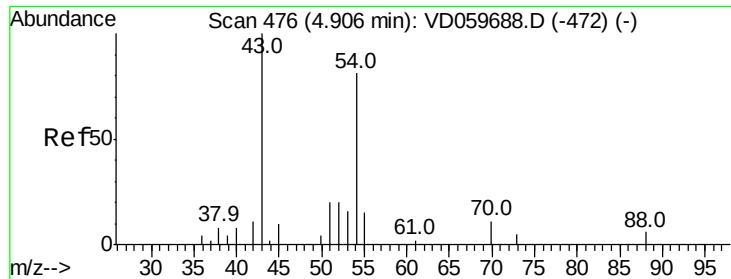


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

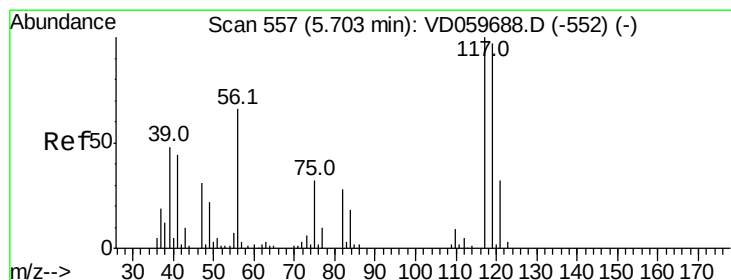
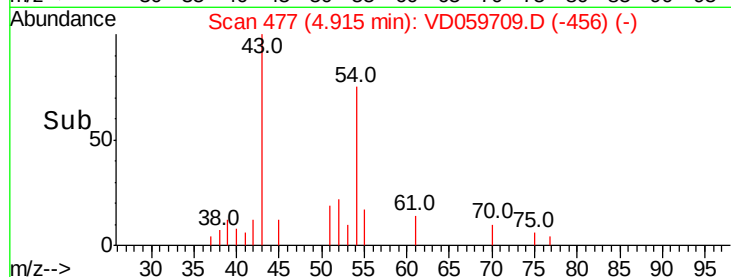
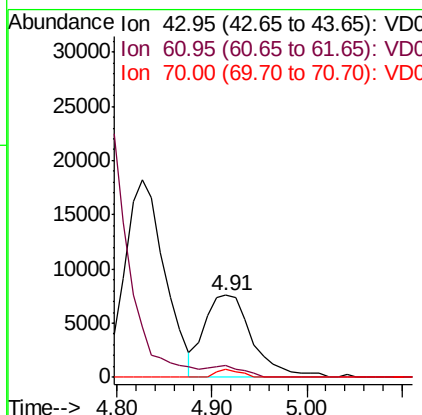
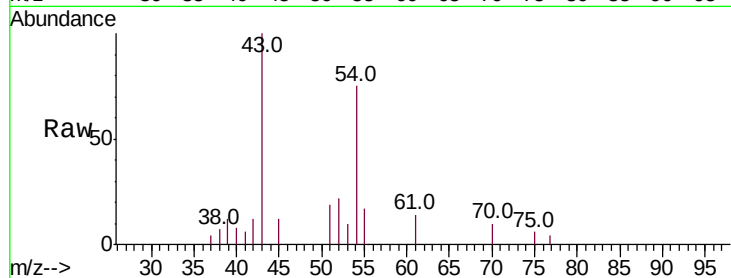




#37
Ethyl Acetate
Concen: 18.762 ug/l
RT: 4.91 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

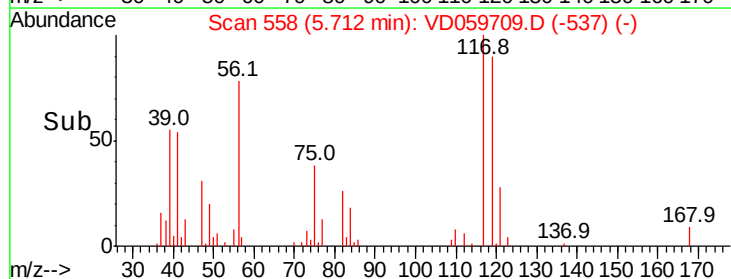
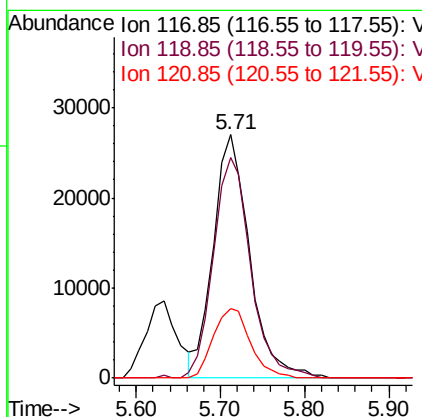
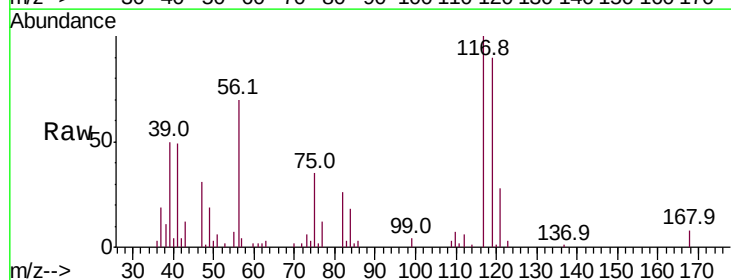
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

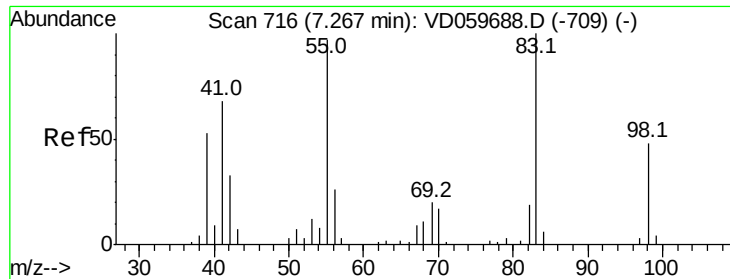
Tot Ion: 43 Resp: 26850
Ion Ratio Lower Upper
43 100
61 13.8 10.1 15.1
70 10.1 5.4 8.2#



#38
Carbon Tetrachloride
Concen: 20.491 ug/l
RT: 5.71 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion: 117 Resp: 80821
Ion Ratio Lower Upper
117 100
119 90.4 75.3 112.9
121 28.5 24.4 36.6

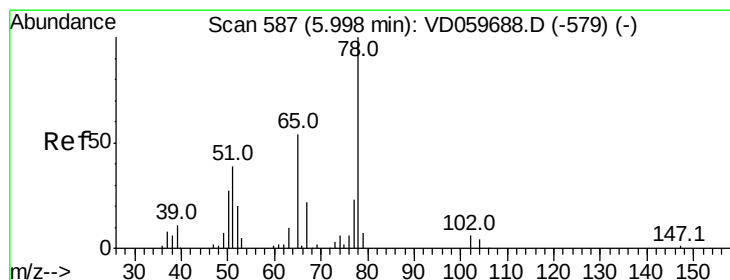
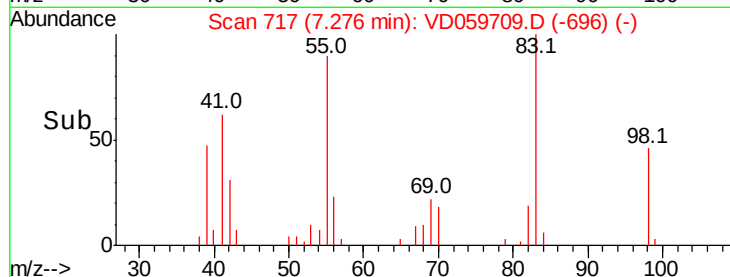
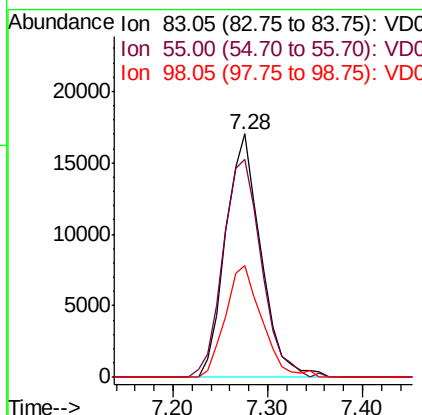
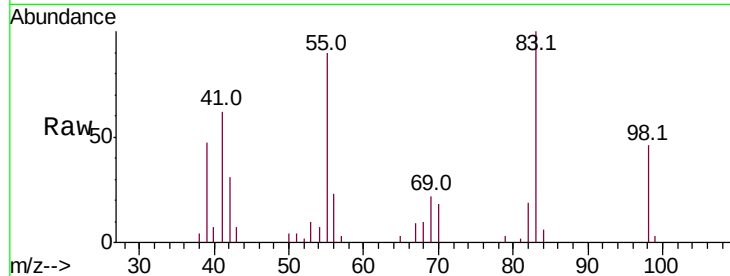




#39
Methylvlcyclohexane
Concen: 17.627 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

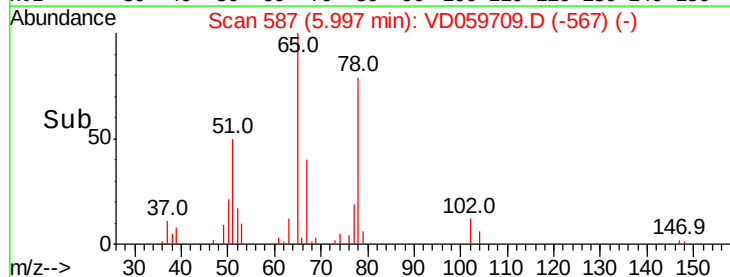
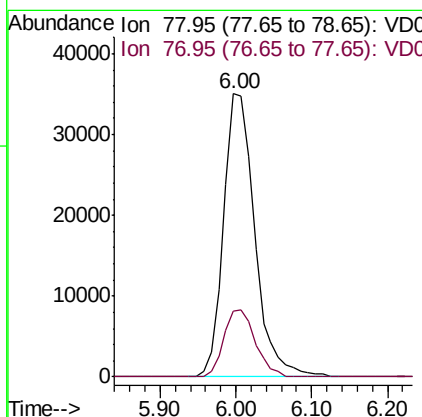
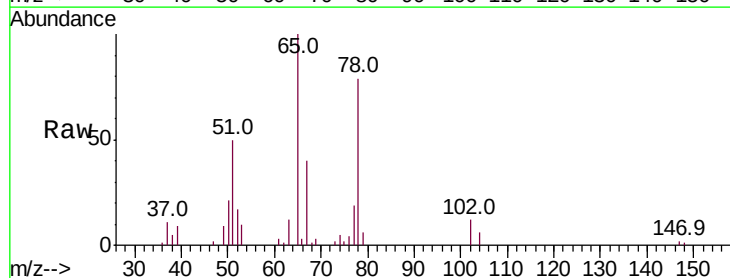
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

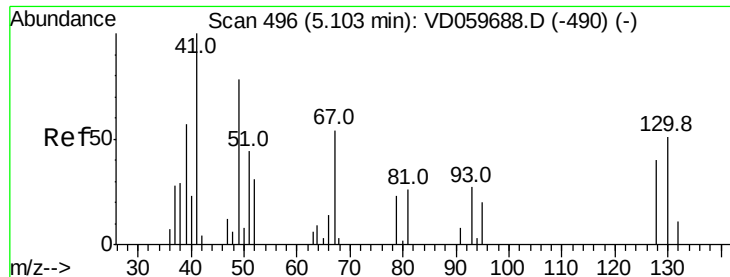
Tot Ion: 83 Resp: 43908
Ion Ratio Lower Upper
83 100
55 89.7 77.7 116.5
98 45.7 38.7 58.1



#40
Benzene
Concen: 17.470 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion: 78 Resp: 99865
Ion Ratio Lower Upper
78 100
77 23.5 18.4 27.6





#41

Methacrylonitrile

Concen: 20.655 ug/l

RT: 5.12 min Scan# 498

Delta R.T. 0.02 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

Tot Ion: 41 Resp: 13820

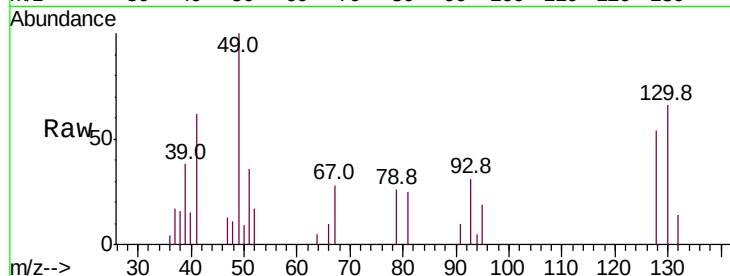
Ion Ratio Lower Upper

41 100

39 60.7 45.8 68.8

67 44.6 43.4 65.2

52 26.9 24.6 37.0

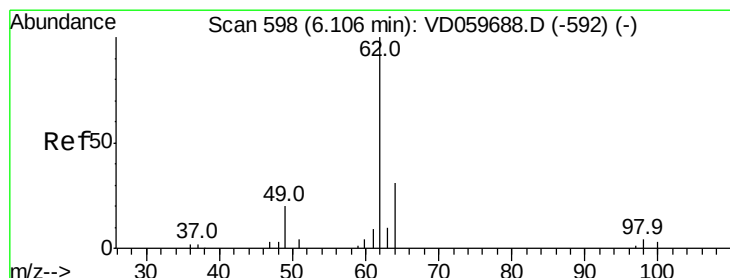
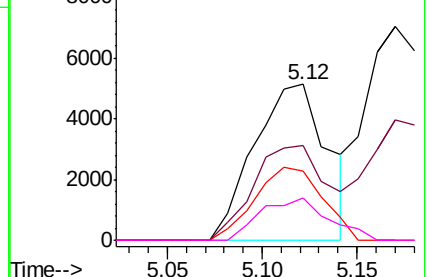
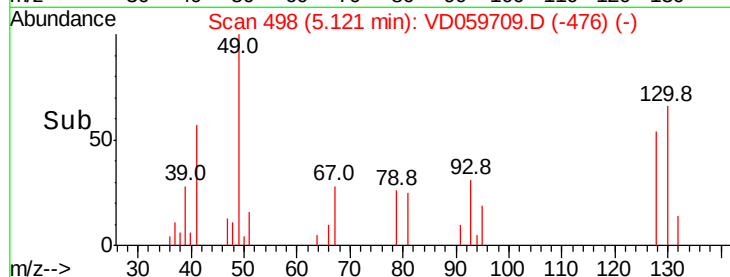


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 18.754 ug/l

RT: 6.11 min Scan# 599

Delta R.T. 0.01 min

Lab File: VD059709.D

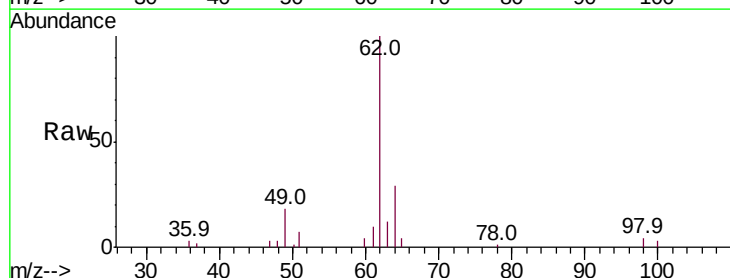
Acq: 8 Aug 2018 13:21

Tgt Ion: 62 Resp: 66273

Ion Ratio Lower Upper

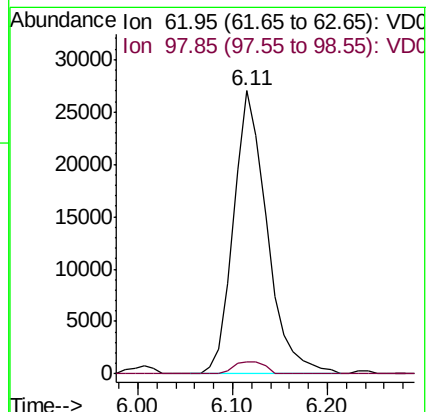
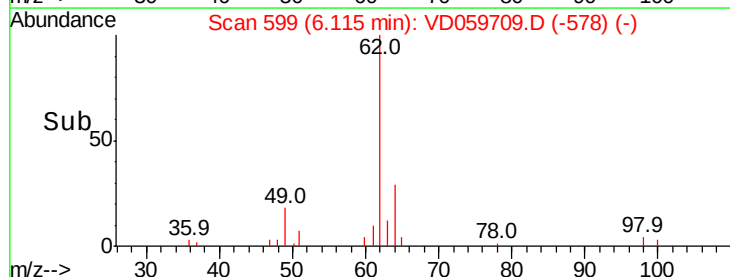
62 100

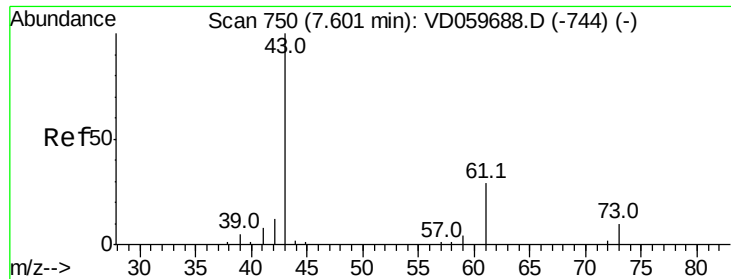
98 4.4 0.0 8.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 17.958 ug/l

RT: 7.61 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

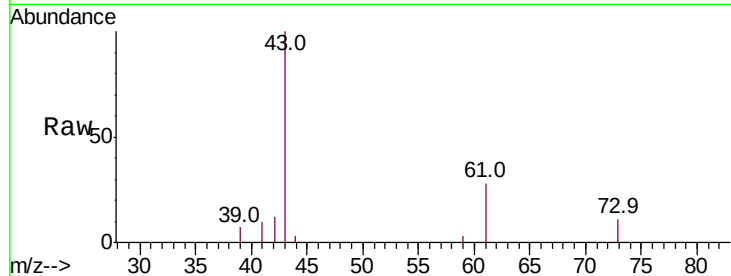
Tot Ion: 43 Resp: 33590

Ion Ratio Lower Upper

43 100

61 28.0 22.9 34.3

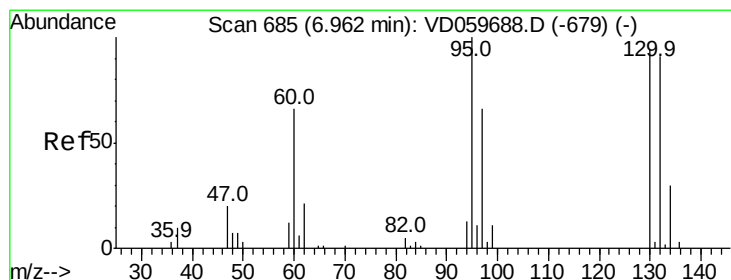
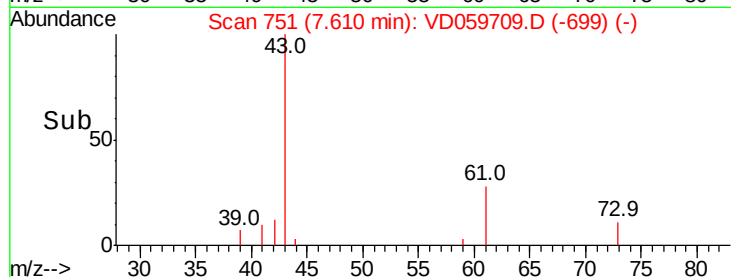
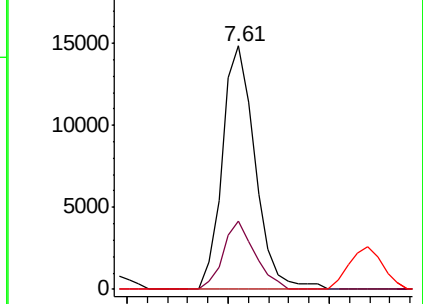
87 0.0 0.0 0.0



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: 17.556 ug/l

RT: 6.97 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD059709.D

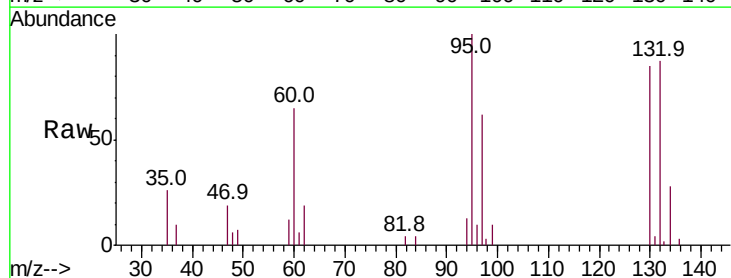
Acq: 8 Aug 2018 13:21

Tgt Ion: 130 Resp: 36664

Ion Ratio Lower Upper

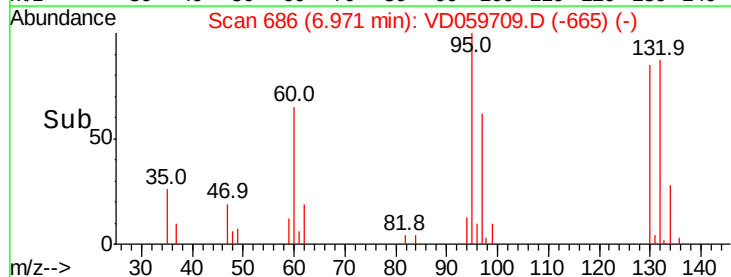
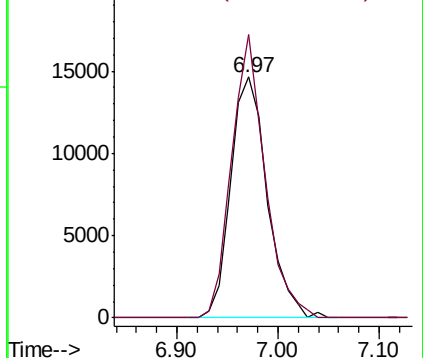
130 100

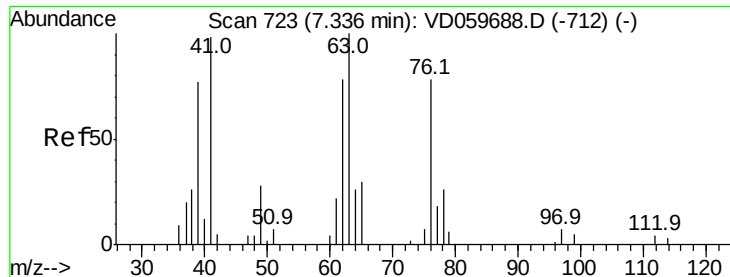
95 117.6 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.369 ug/l

RT: 7.33 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

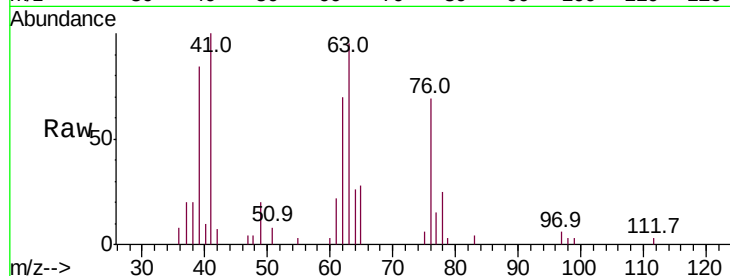
VD0808SBS01

Tot Ion: 63 Resp: 27726

Ion Ratio Lower Upper

63 100

65 29.8 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.33

12000

10000

8000

6000

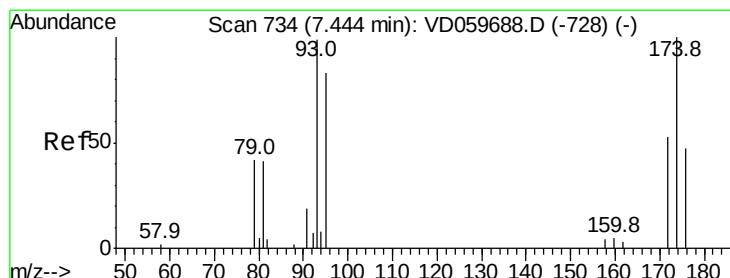
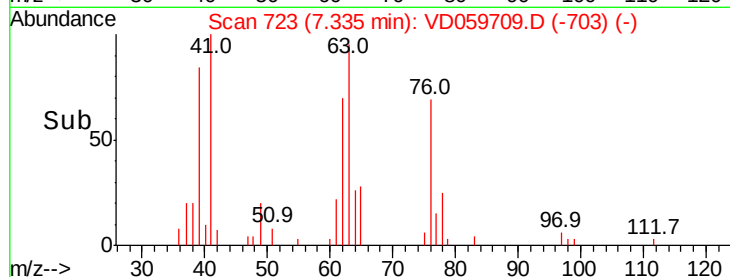
4000

2000

0

7.25 7.30 7.35 7.40 7.45

Time-->



#46

Dibromomethane

Concen: 17.343 ug/l

RT: 7.45 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

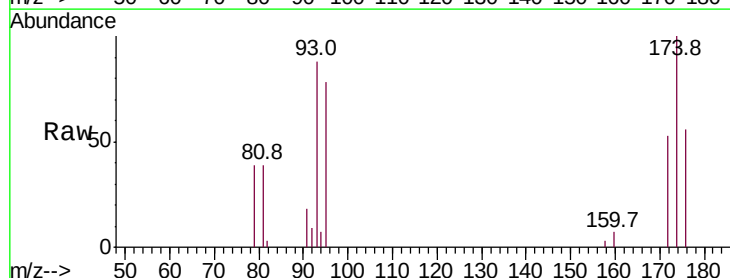
Tgt Ion: 93 Resp: 22685

Ion Ratio Lower Upper

93 100

95 88.7 66.6 100.0

174 113.2 80.6 120.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

7.45

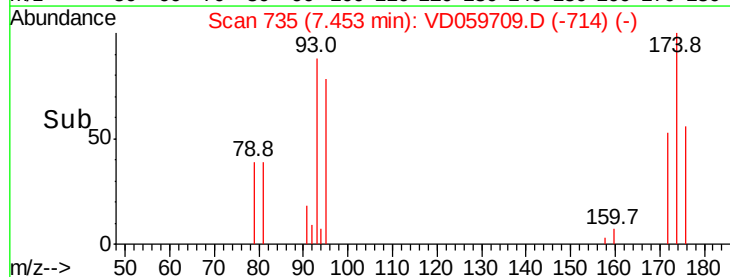
10000

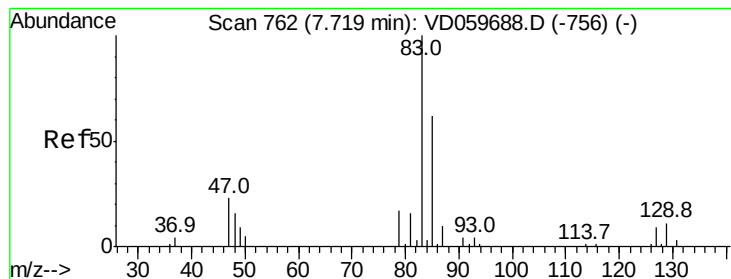
5000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#47

Bromodichloromethane

Concen: 17.836 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

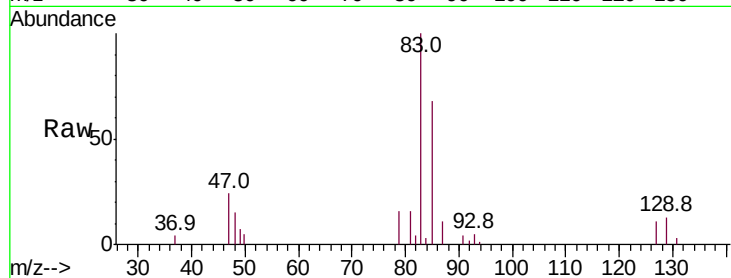
Tot Ion: 83 Resp: 59422

Ion Ratio Lower Upper

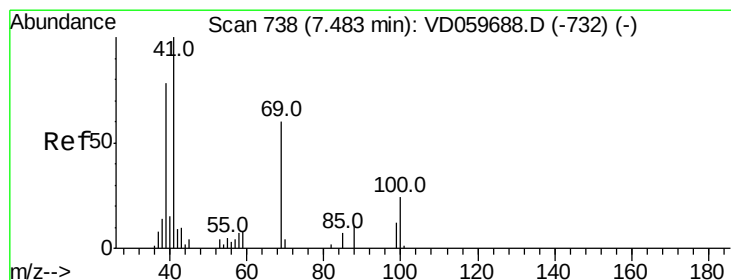
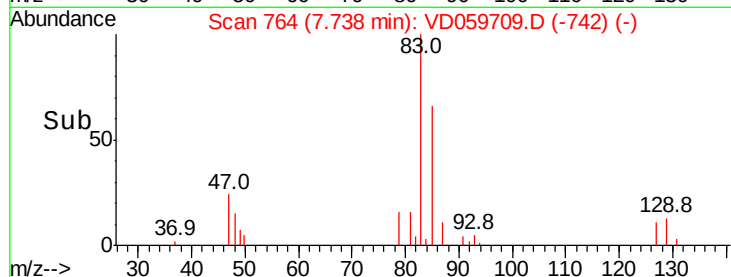
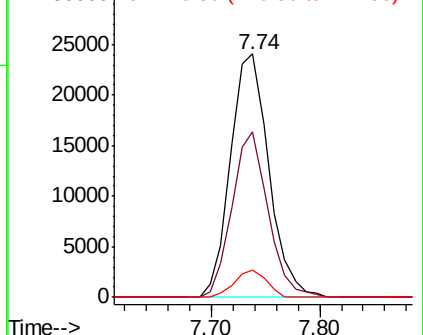
83 100

85 67.8 49.8 74.8

127 11.1 7.3 10.9#



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: 19.803 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

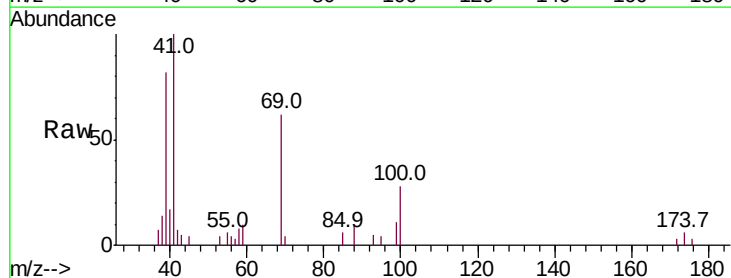
Tgt Ion: 41 Resp: 24449

Ion Ratio Lower Upper

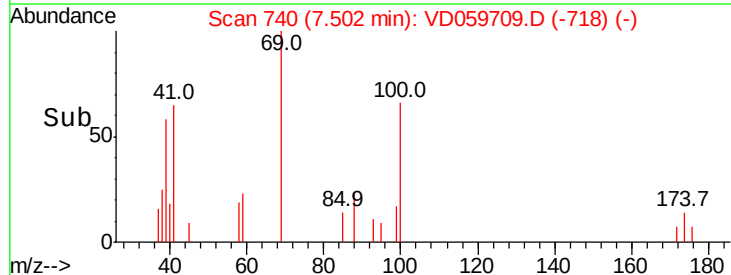
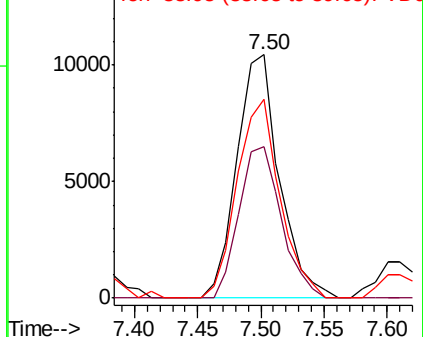
41 100

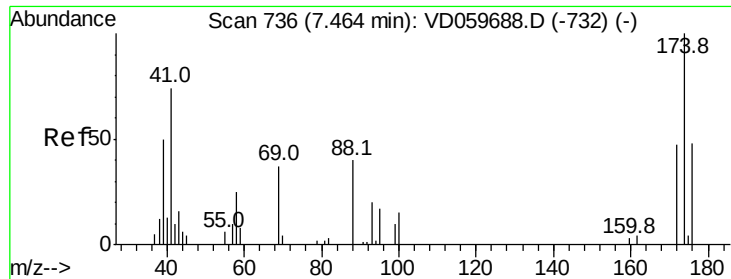
69 62.2 47.3 70.9

39 81.9 62.9 94.3



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: 367.123 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.02 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

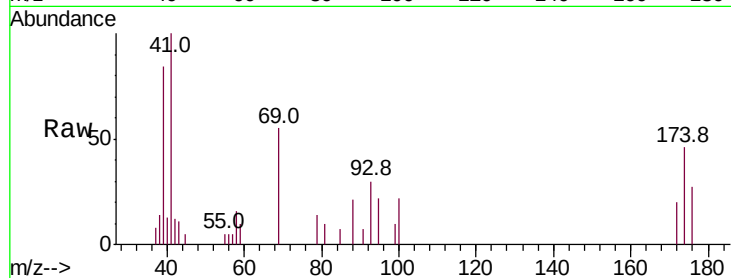
Tot Ion: 88 Resp: 3657

Ion Ratio Lower Upper

88 100

43 51.0 32.2 48.2#

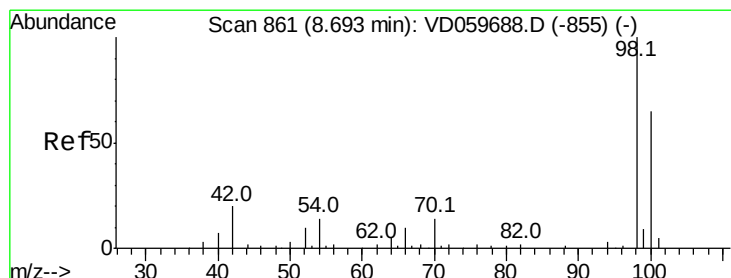
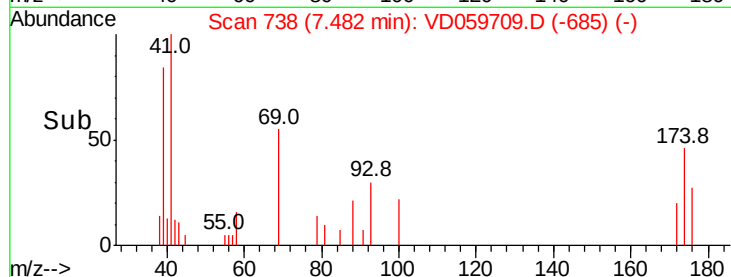
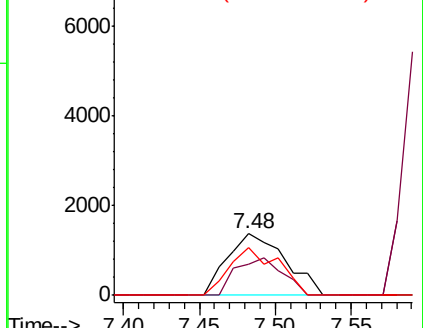
58 76.9 51.5 77.3



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: 367.123 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD059709.D

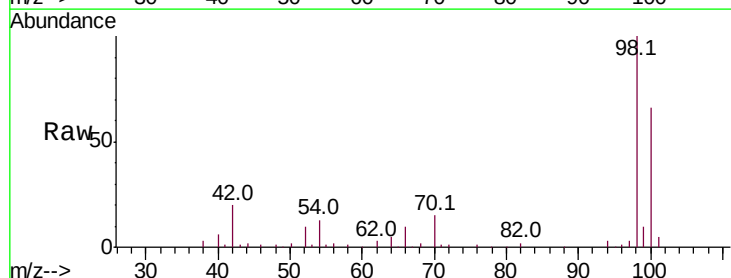
Acq: 8 Aug 2018 13:21

Tgt Ion: 98 Resp: 248419

Ion Ratio Lower Upper

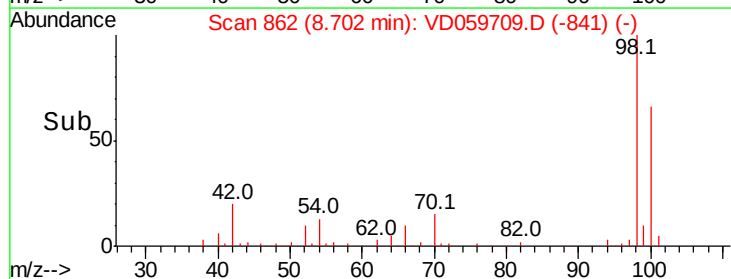
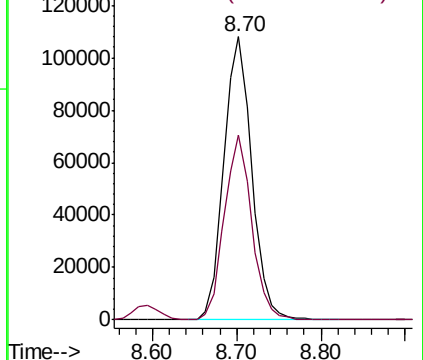
98 100

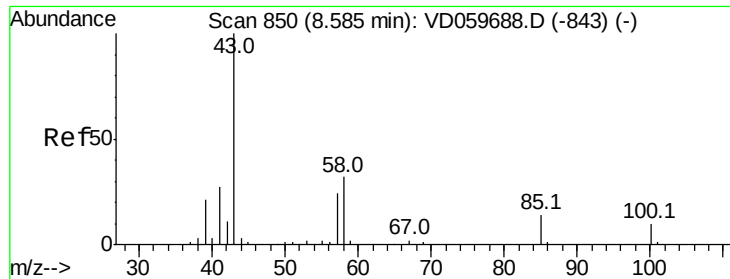
100 65.5 52.5 78.7



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: 84.555 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

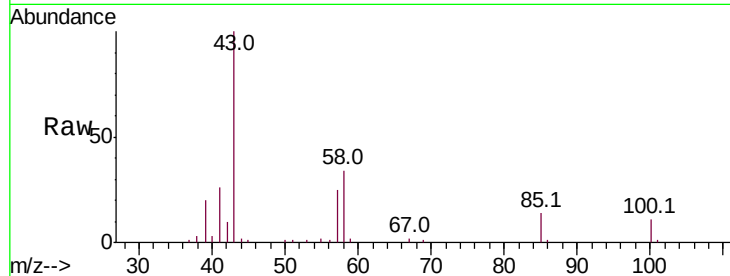
VD0808SBS01

Tot Ion: 43 Resp: 115342

Ion Ratio Lower Upper

43 100

58 33.8 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

60000

50000

40000

30000

20000

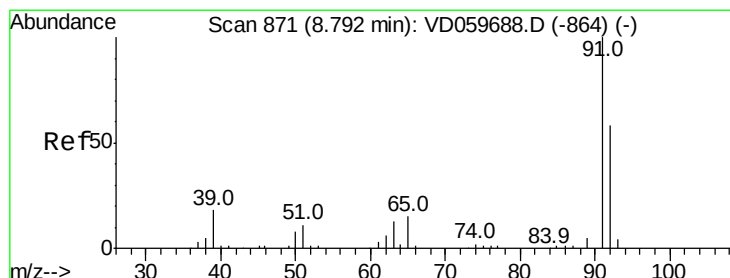
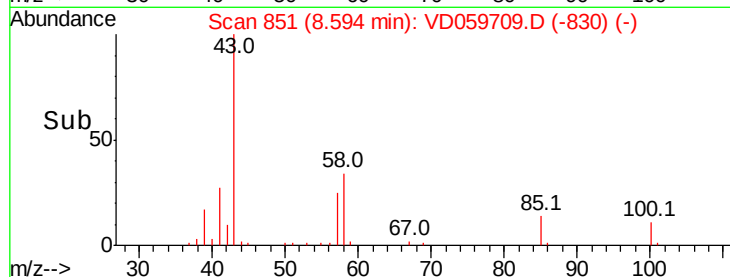
10000

0

8.59

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 18.534 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059709.D

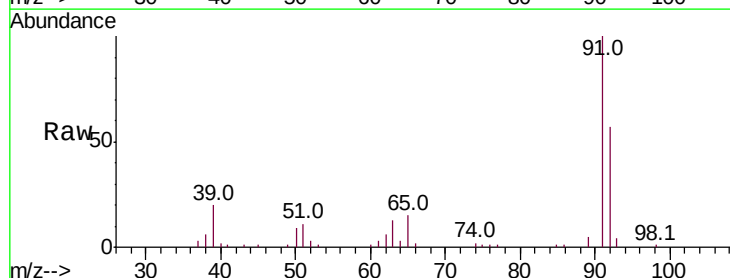
Acq: 8 Aug 2018 13:21

Tgt Ion: 92 Resp: 67582

Ion Ratio Lower Upper

92 100

91 175.6 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

60000

50000

40000

30000

20000

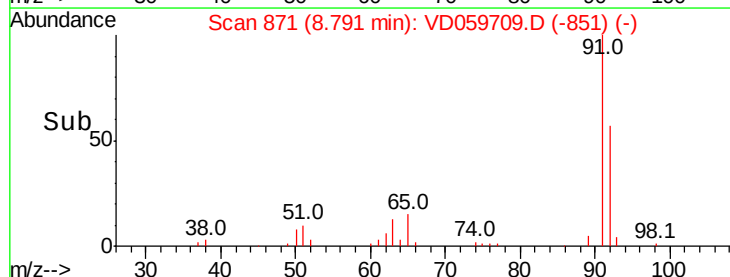
10000

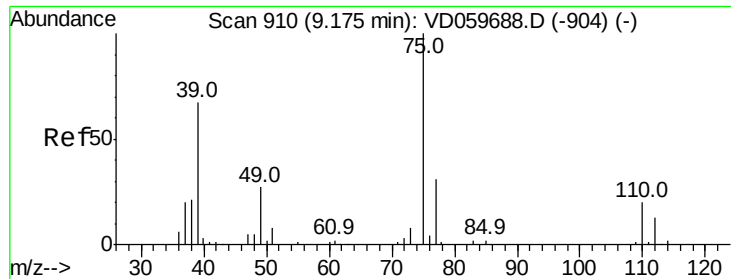
0

8.79

8.70 8.80 8.90

Time-->

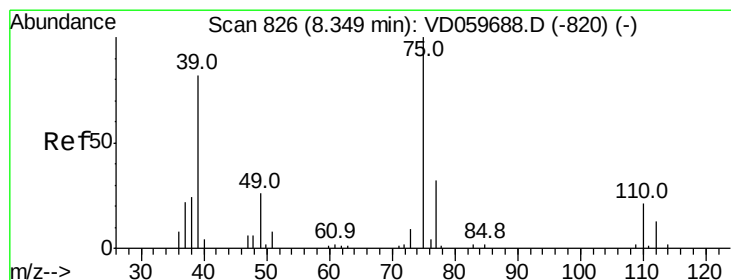
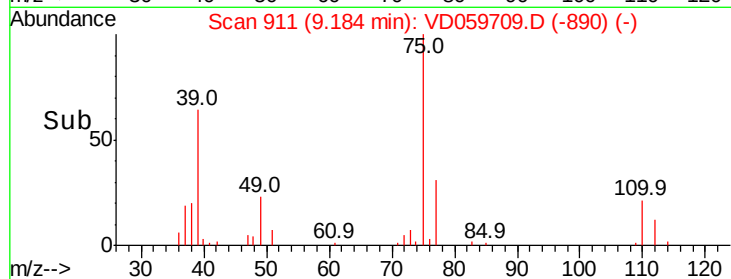
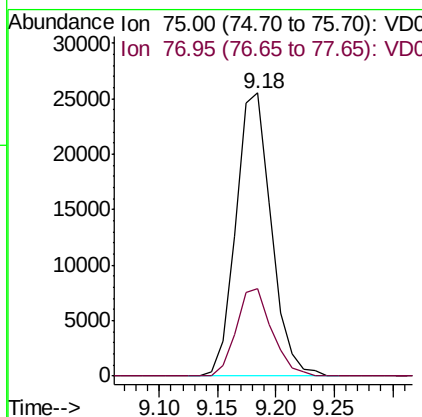
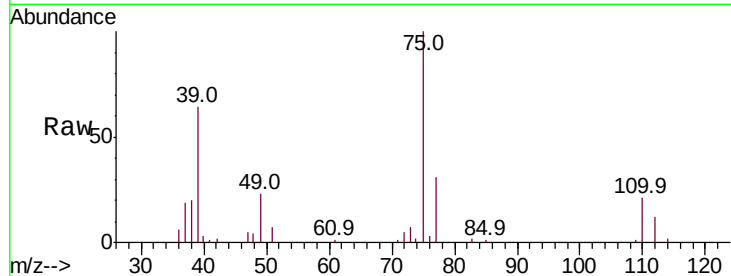




#53
 t-1,3-Dichloropropene
 Concen: 19.009 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

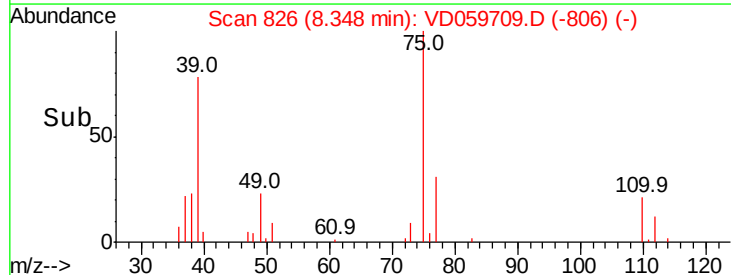
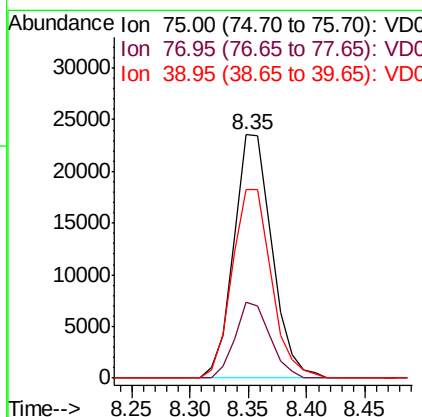
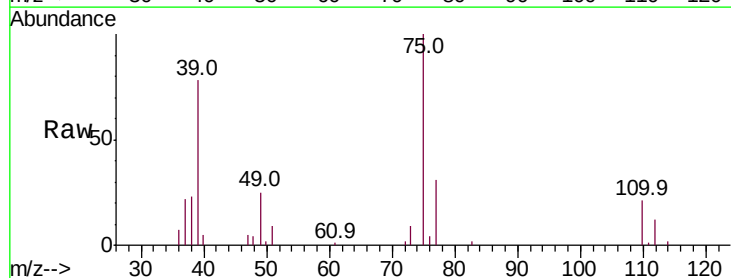
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

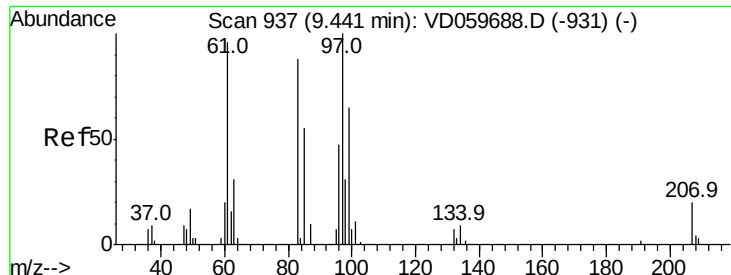
Tot Ion: 75 Resp: 53578
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 18.421 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion: 75 Resp: 53477
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.5 38.3
 39 77.7 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 17.530 ug/l

RT: 9.45 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

Tot Ion: 97 Resp: 24551

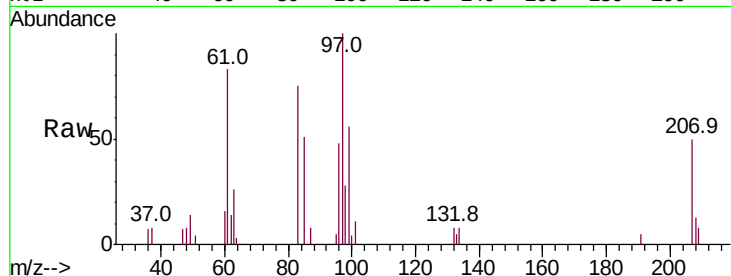
Ion Ratio Lower Upper

97 100

83 75.4 70.8 106.2

85 50.8 44.1 66.1

99 56.0 52.2 78.4

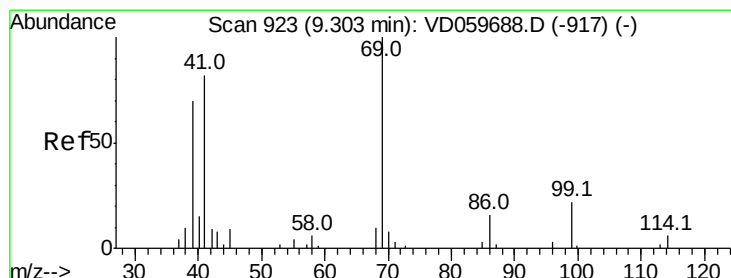
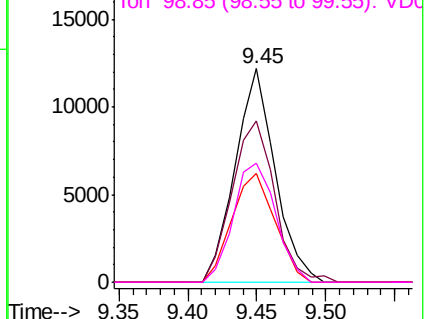
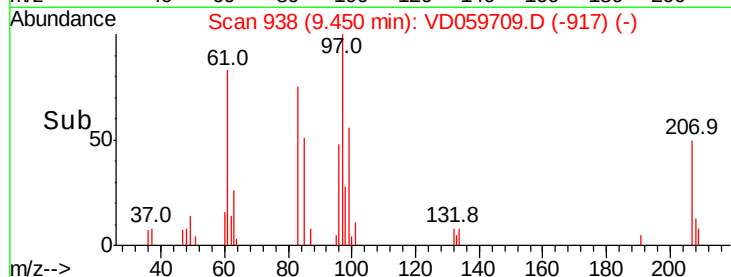


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 18.811 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

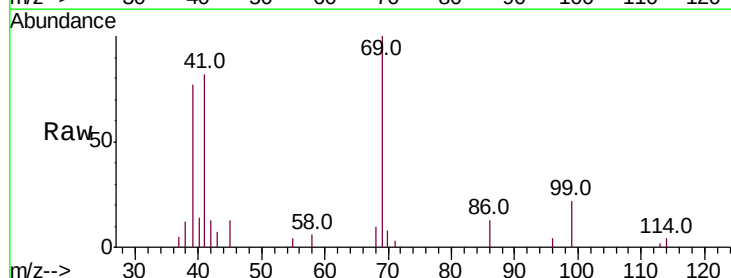
Tgt Ion: 69 Resp: 29068

Ion Ratio Lower Upper

69 100

41 81.6 65.7 98.5

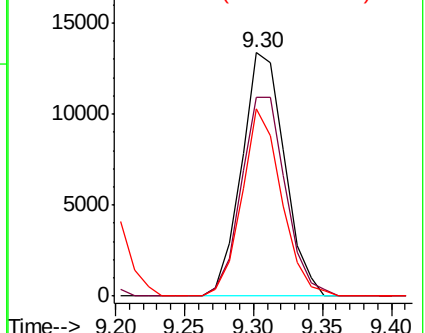
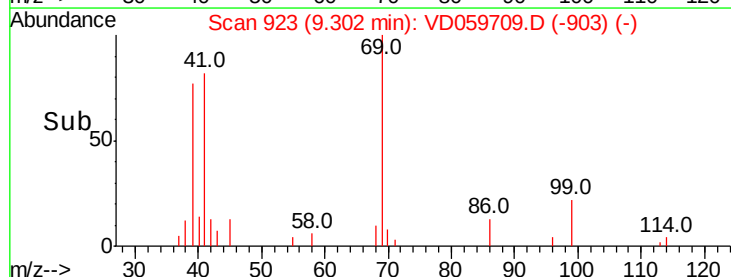
39 77.1 55.8 83.8

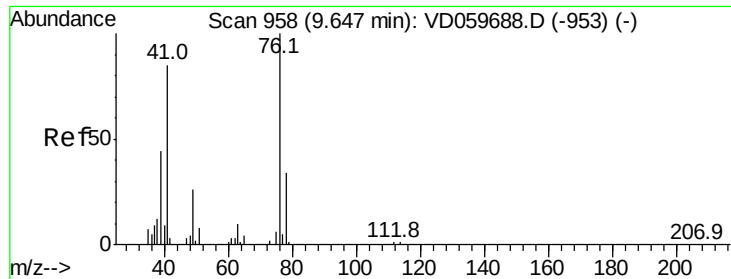


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

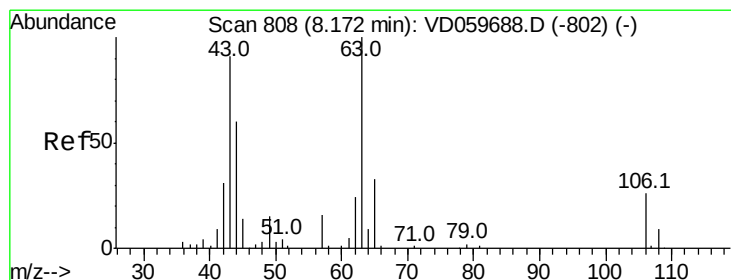
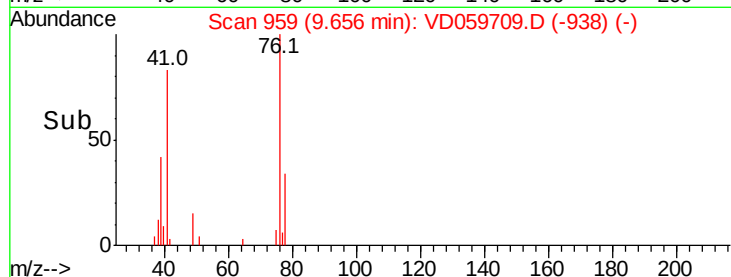
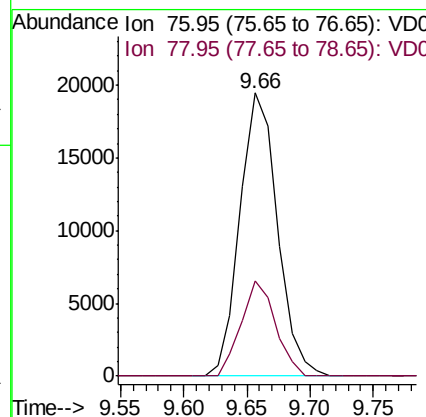
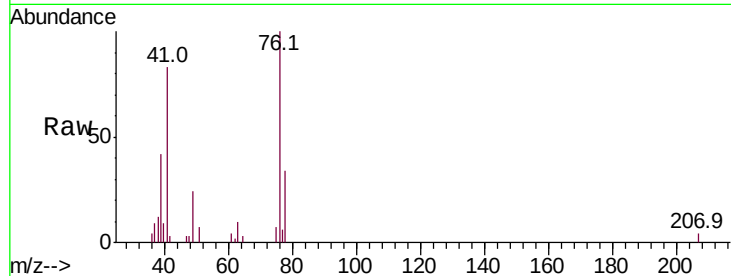




#57
 1,3-Dichloropropane
 Concen: 18.431 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

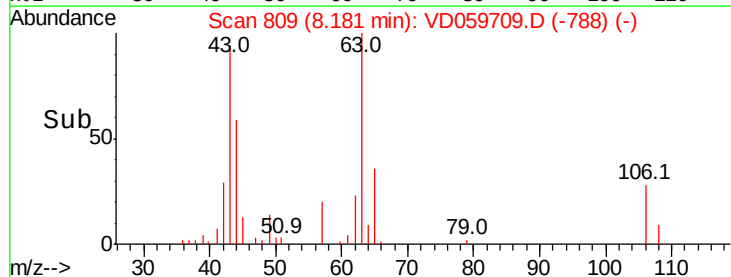
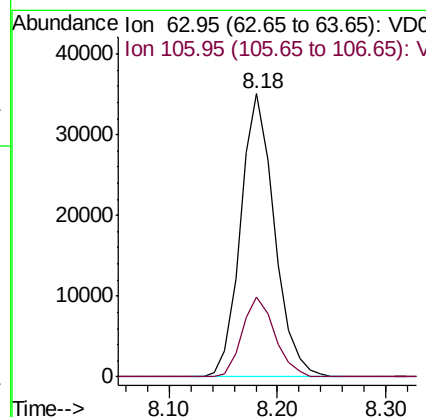
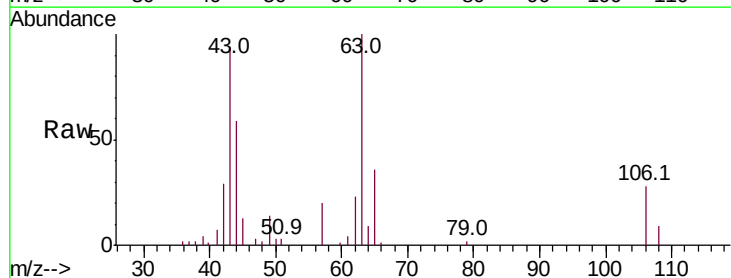
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

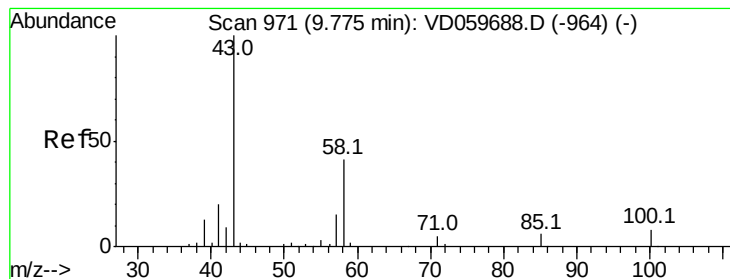
Tot Ion: 76 Resp: 40056
 Ion Ratio Lower Upper
 76 100
 78 33.7 27.5 41.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.122 ug/l
 RT: 8.18 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion: 63 Resp: 75918
 Ion Ratio Lower Upper
 63 100
 106 28.2 20.7 31.1





#59

2-Hexanone

Concen: 85.509 ug/l

RT: 9.78 min Scan# 972

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

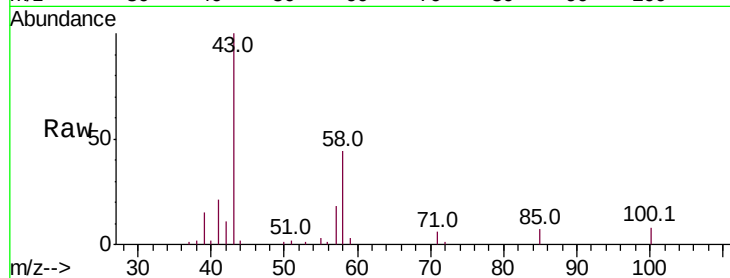
VD0808SBS01

Tot Ion: 43 Resp: 87591

Ion Ratio Lower Upper

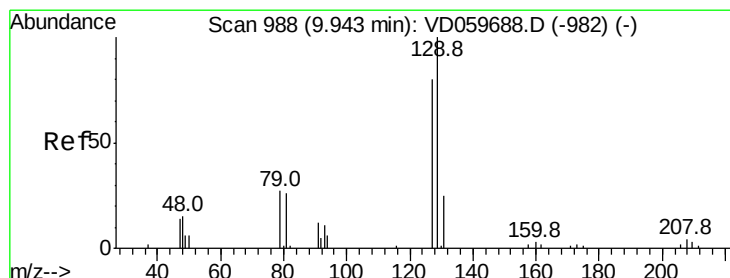
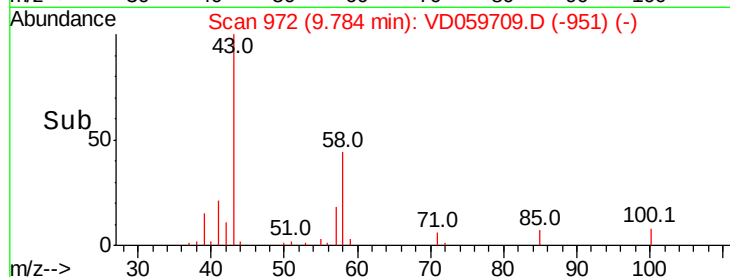
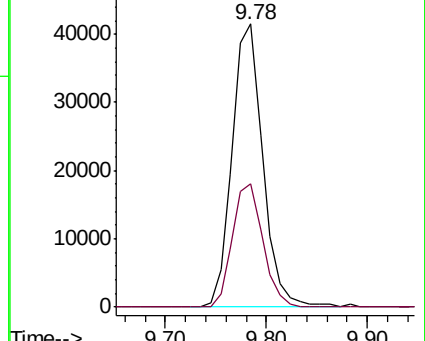
43 100

58 43.7 20.4 61.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 19.023 ug/l

RT: 9.95 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD059709.D

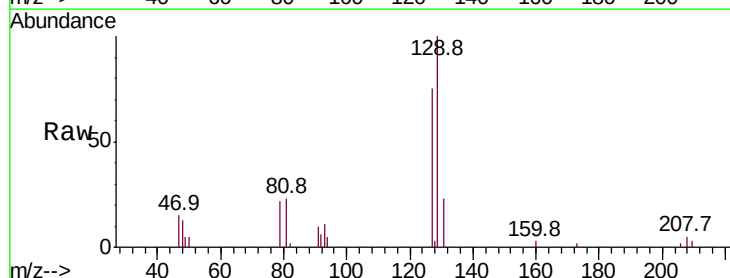
Acq: 8 Aug 2018 13:21

Tgt Ion: 129 Resp: 42337

Ion Ratio Lower Upper

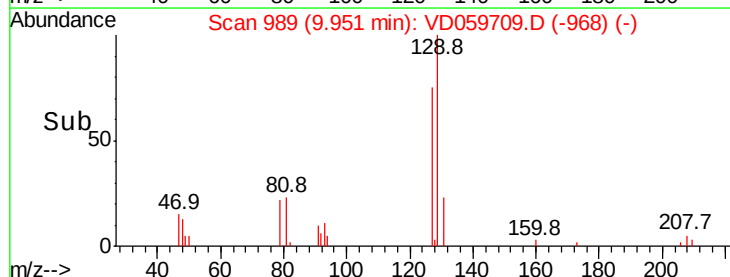
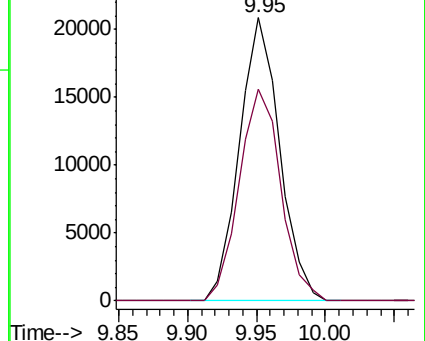
129 100

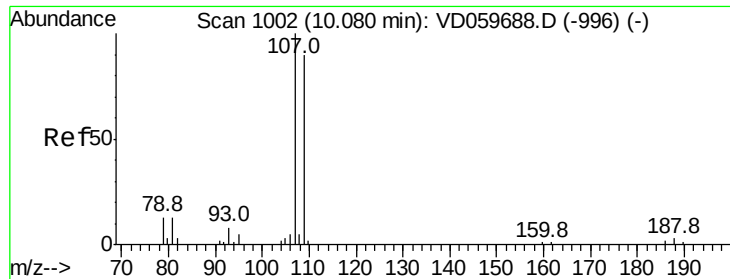
127 74.9 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 18.049 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

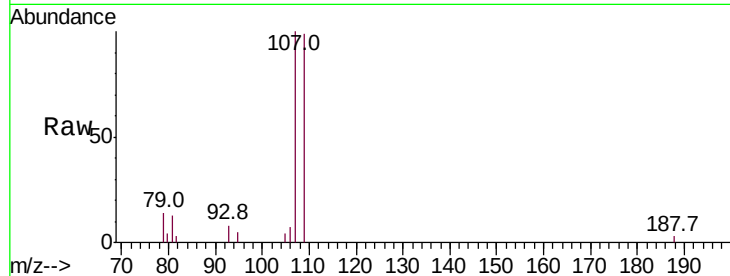
VD0808SBS01

Tot Ion:107 Resp: 29066

Ion Ratio Lower Upper

107 100

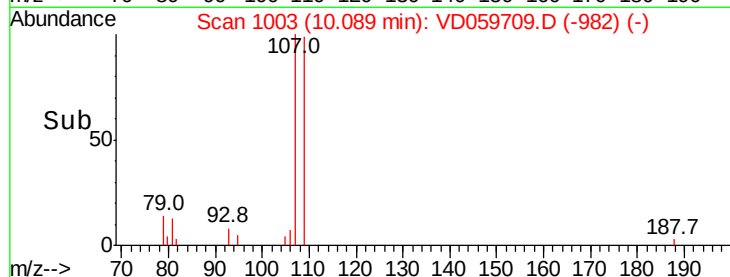
109 99.4 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09



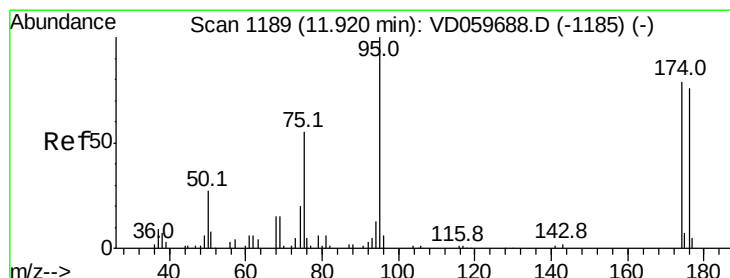
15000

10000

5000

0

Time--> 10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 18.049 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

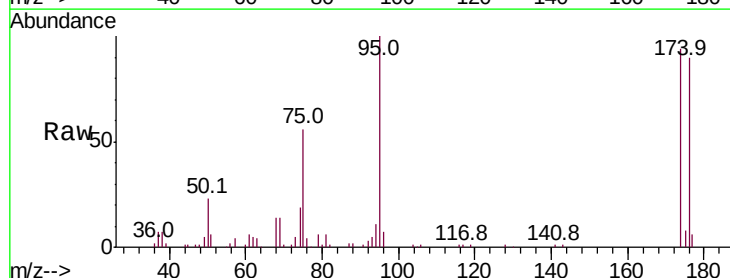
Tgt Ion: 95 Resp: 116155

Ion Ratio Lower Upper

95 100

174 93.8 0.0 158.4

176 89.9 0.0 153.0

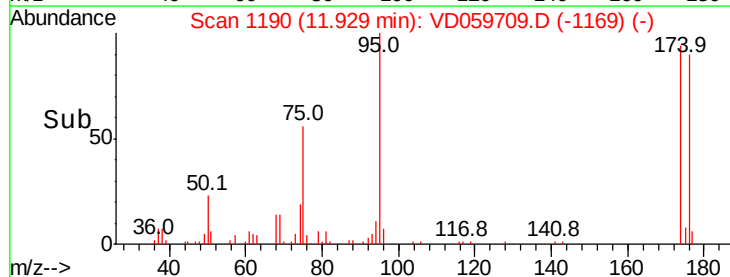


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93



100000

80000

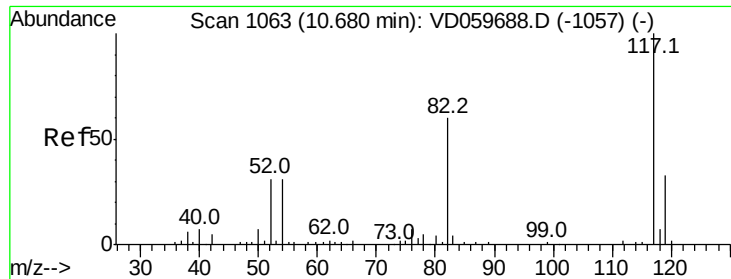
60000

40000

20000

0

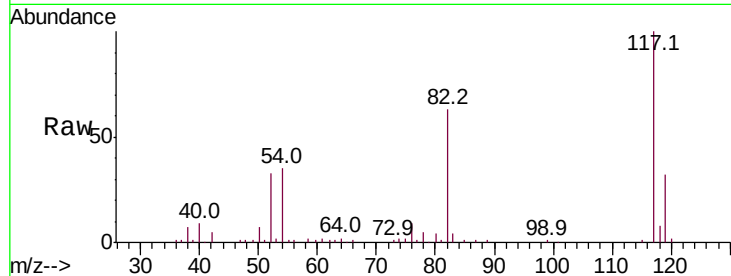
Time--> 11.90 12.00



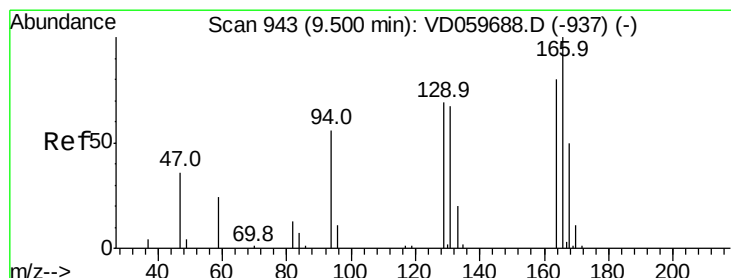
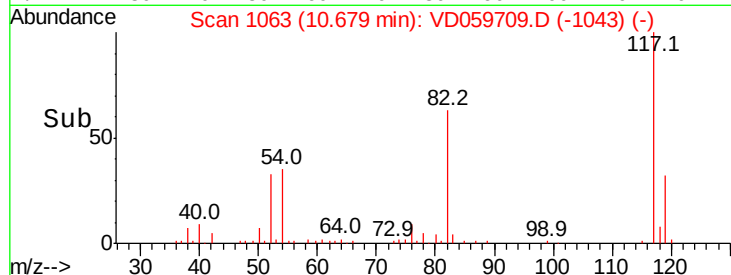
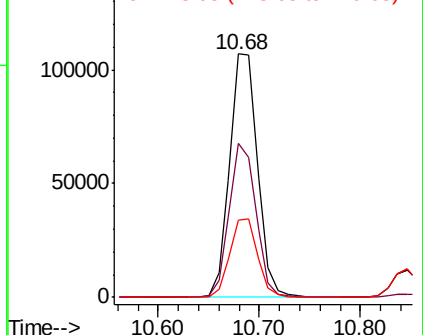
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tot Ion:117 Resp: 205355
Ion Ratio Lower Upper
117 100
82 63.3 47.7 71.5
119 31.5 26.6 40.0

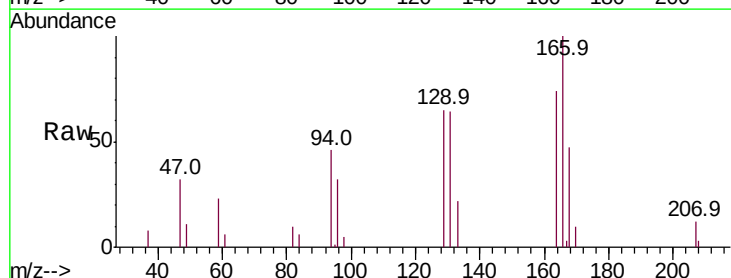


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

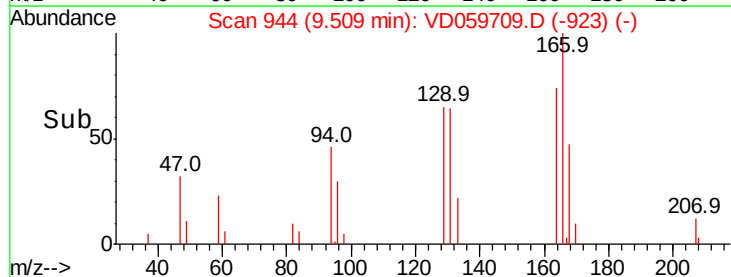
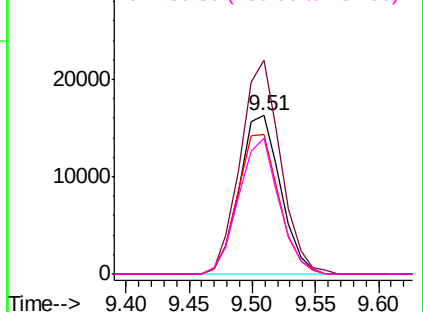


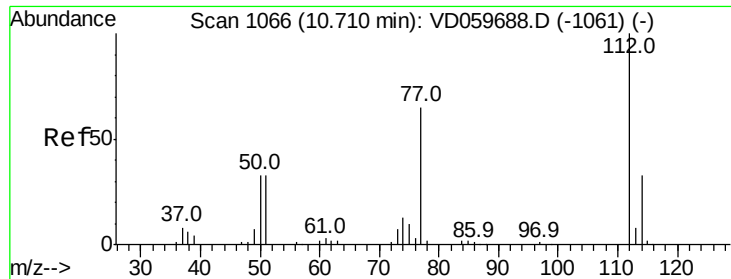
#64
Tetrachloroethene
Concen: 18.995 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion:164 Resp: 36934
Ion Ratio Lower Upper
164 100
166 135.1 100.5 150.7
129 88.2 69.3 103.9
131 86.1 67.3 100.9



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

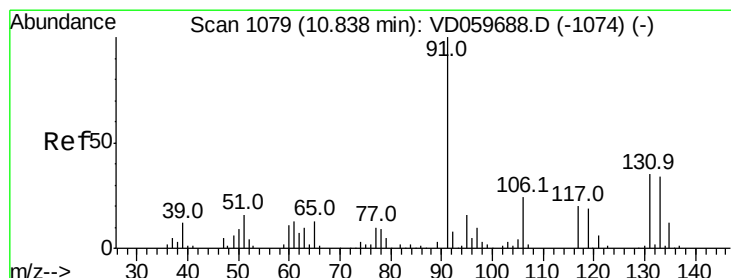
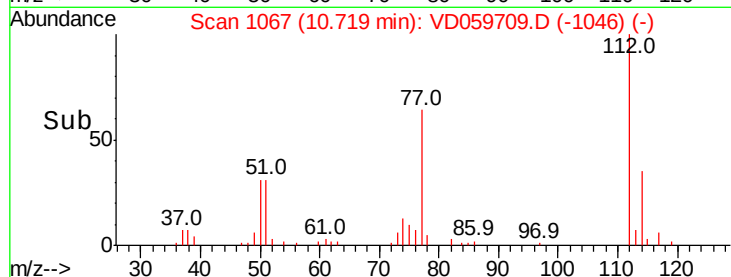
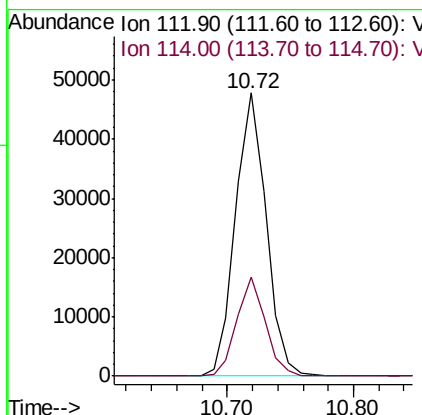
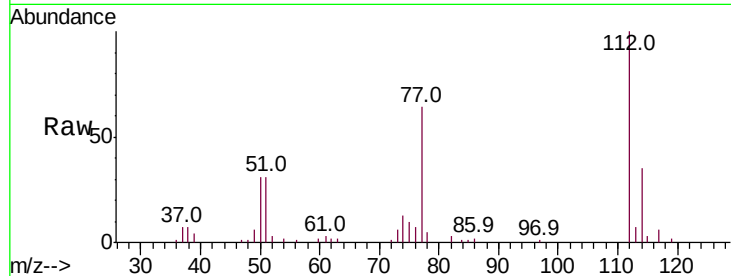




#65
Chlorobenzene
Concen: 18.594 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

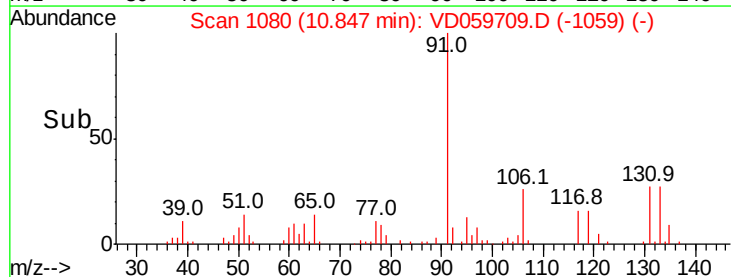
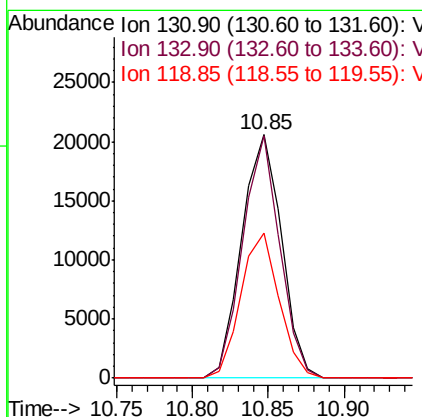
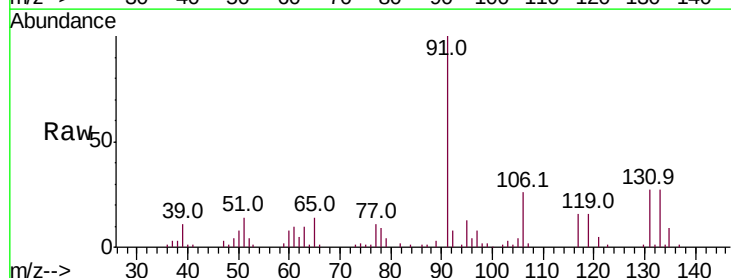
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

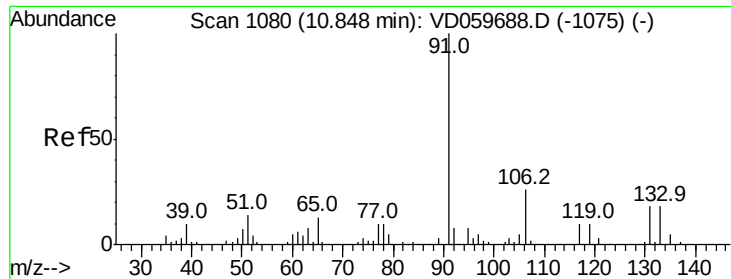
Tot Ion:112 Resp: 80464
Ion Ratio Lower Upper
112 100
114 34.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.846 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion:131 Resp: 37651
Ion Ratio Lower Upper
131 100
133 99.7 49.7 149.1
119 59.8 27.0 80.8





#67

Ethyl Benzene

Concen: 19.432 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

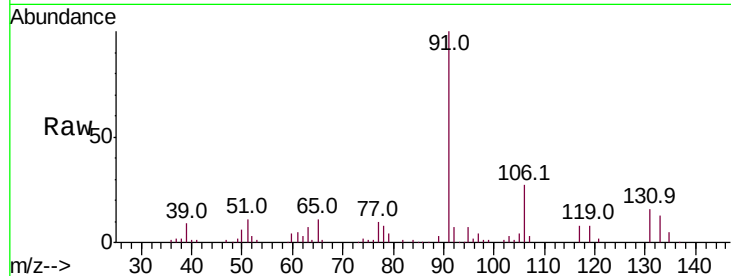
VD0808SBS01

Tot Ion: 91 Resp: 151440

Ion Ratio Lower Upper

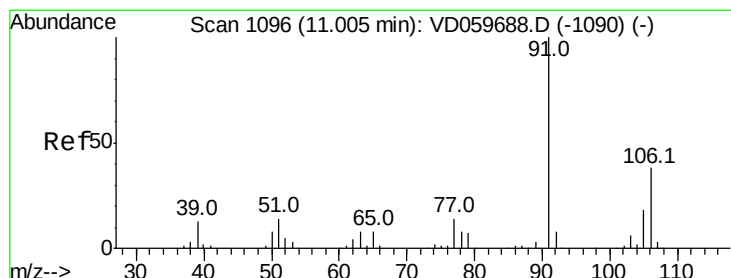
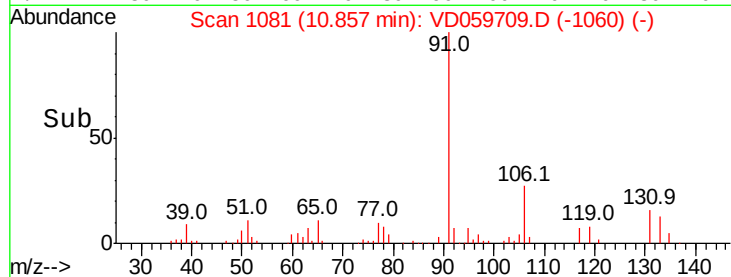
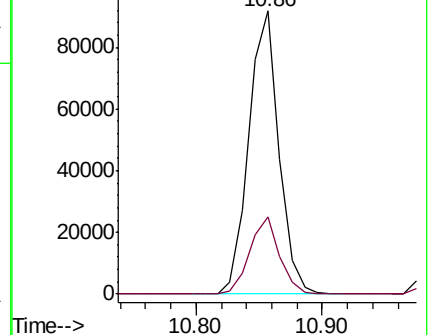
91 100

106 27.3 20.9 31.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 40.318 ug/l

RT: 11.00 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VD059709.D

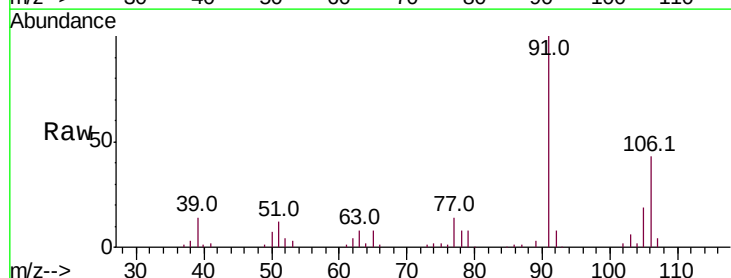
Acq: 8 Aug 2018 13:21

Tgt Ion:106 Resp: 100518

Ion Ratio Lower Upper

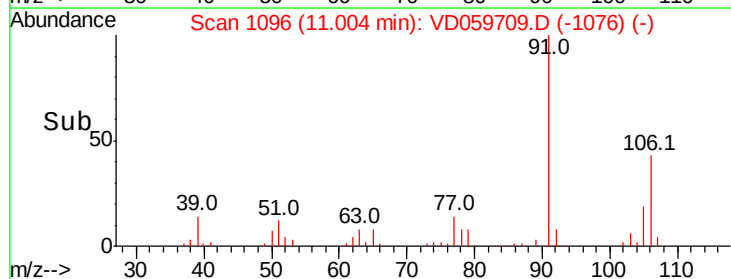
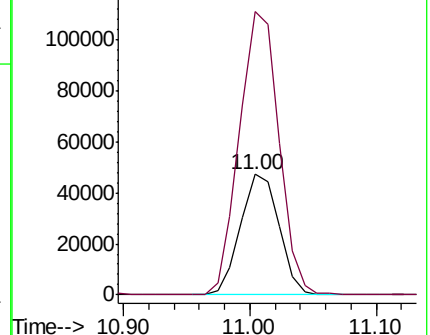
106 100

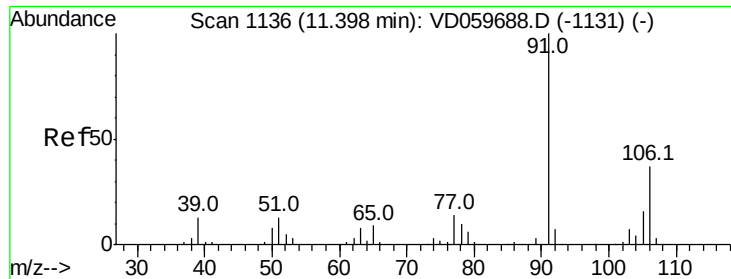
91 234.7 209.7 314.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

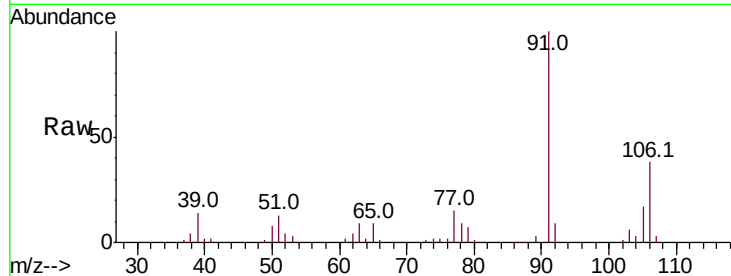




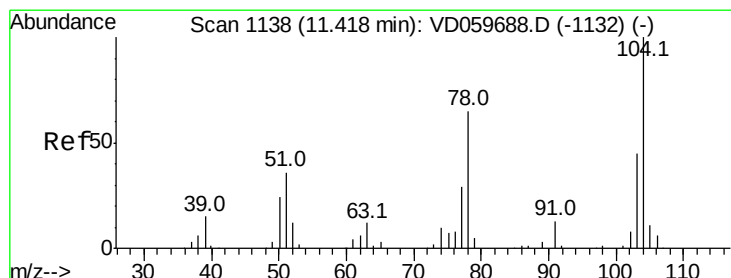
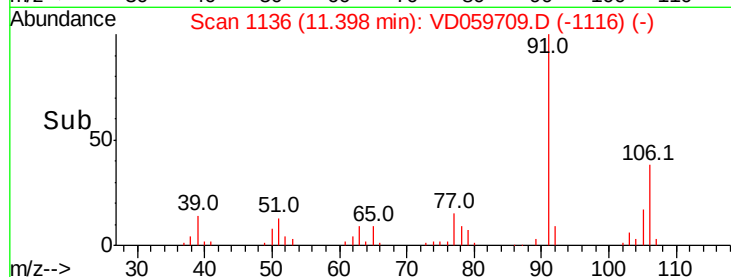
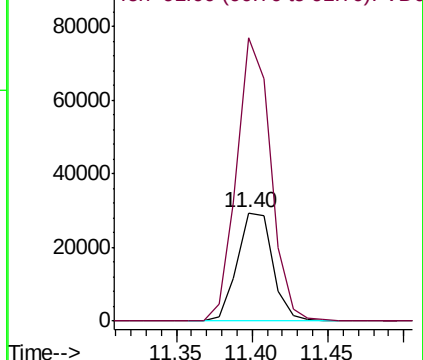
#69
o-Xylene
Concen: 19.696 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tot Ion:106 Resp: 47737
Ion Ratio Lower Upper
106 100
91 262.1 135.2 405.6

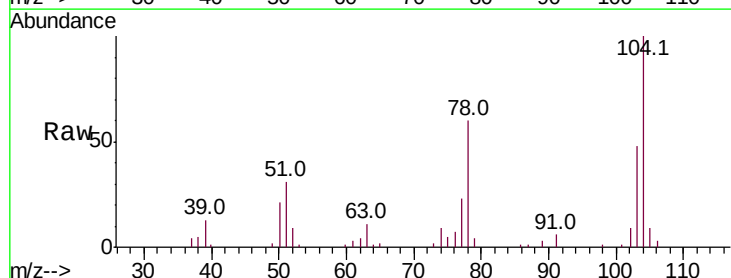


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

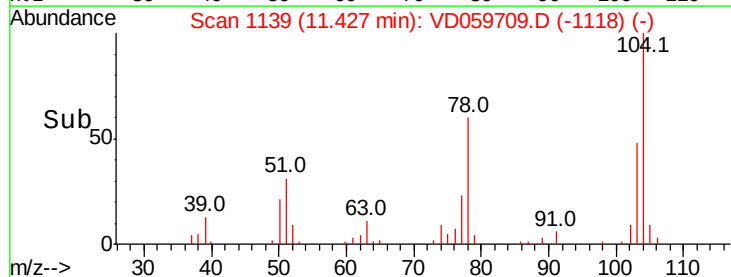
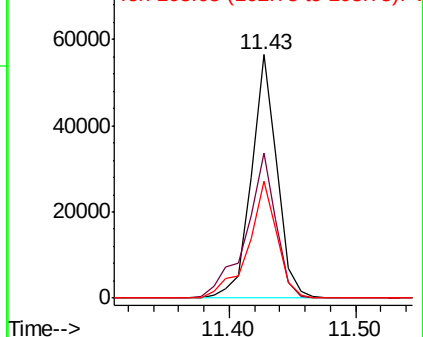


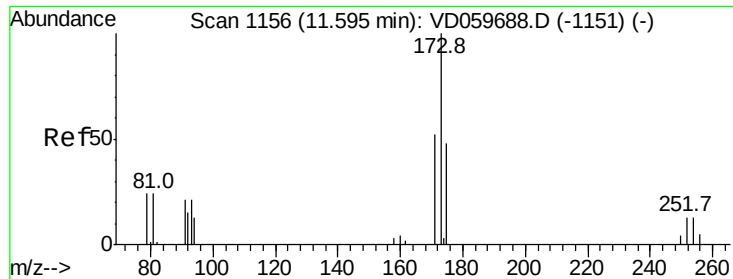
#70
Styrene
Concen: 19.568 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion:104 Resp: 79608
Ion Ratio Lower Upper
104 100
78 59.7 51.9 77.9
103 47.8 36.2 54.4



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: 20.777 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

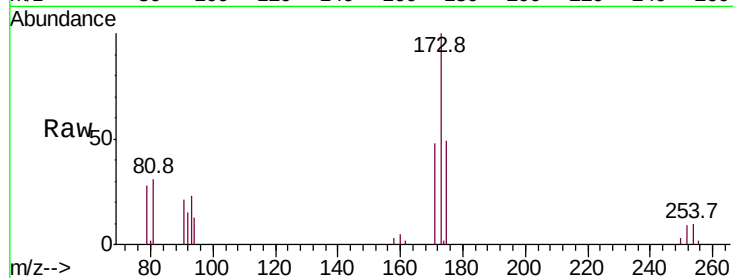
Tot Ion:173 Resp: 29697

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

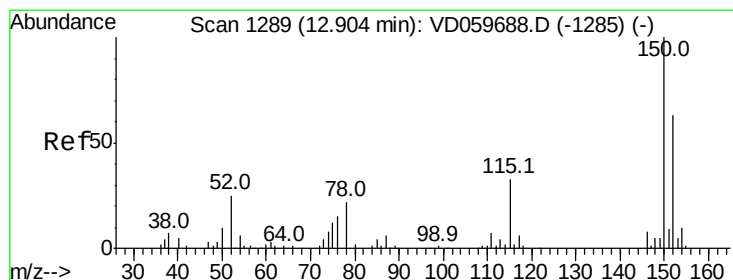
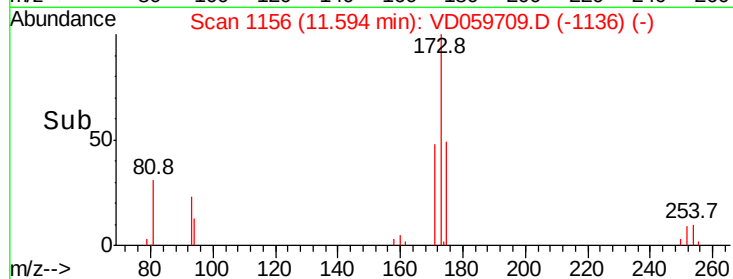
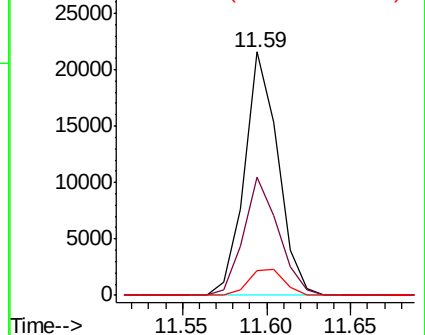
254 10.2 10.6 16.0#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

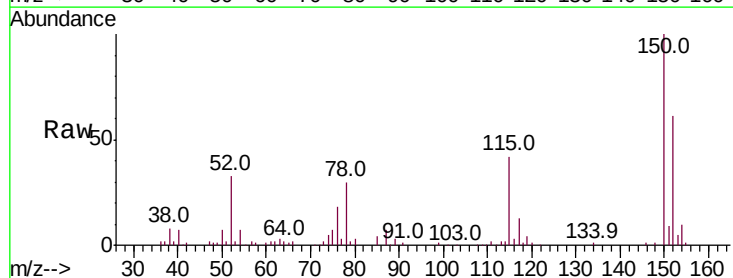
Tgt Ion:152 Resp: 112286

Ion Ratio Lower Upper

152 100

115 68.0 28.8 86.4

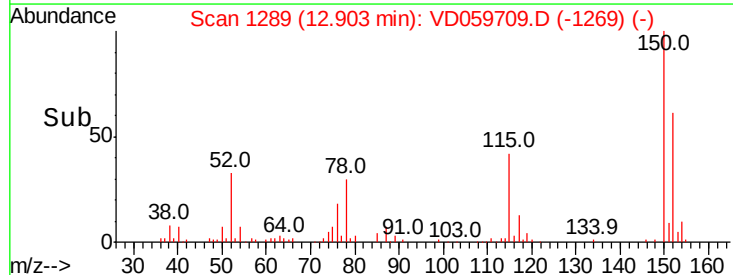
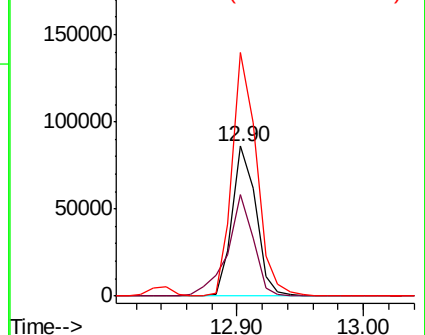
150 162.8 0.0 318.0

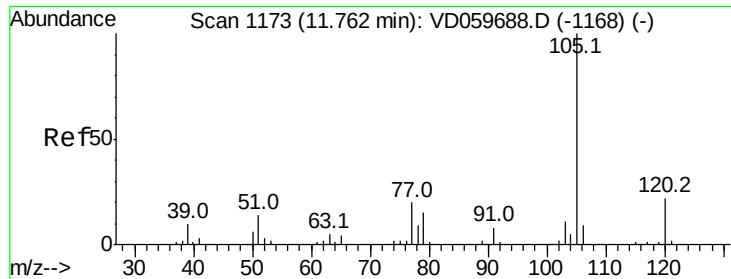


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.418 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

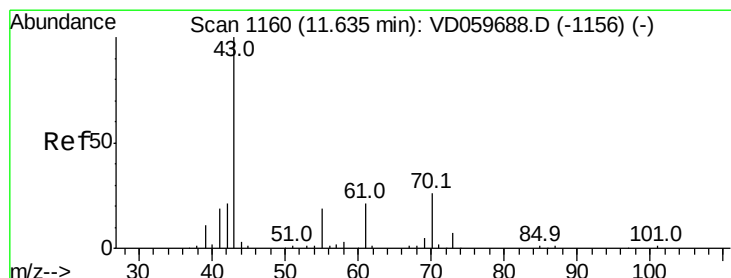
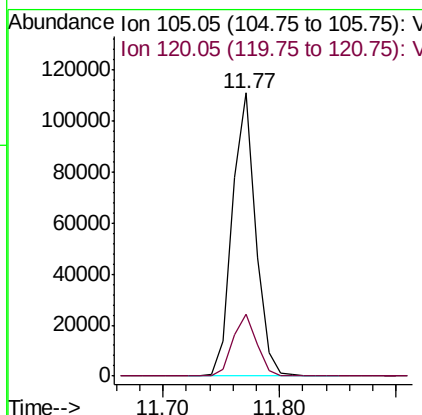
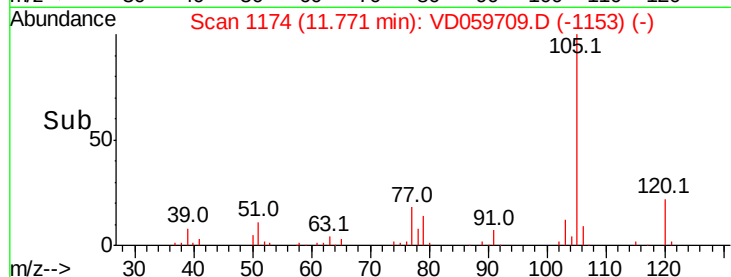
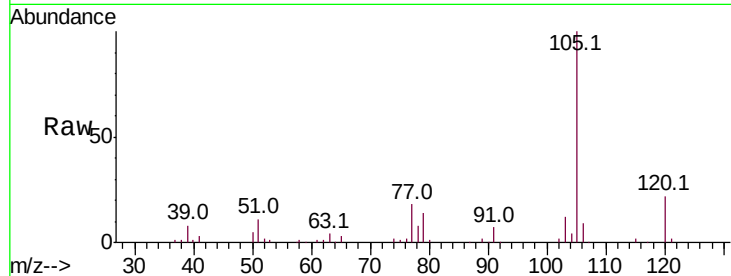
Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tot Ion:105 Resp: 154079

Ion	Ratio	Lower	Upper
105	100		
120	22.0	10.8	32.3



#74

N-ethyl acetate

Concen: 19.488 ug/l

RT: 11.64 min Scan# 1161

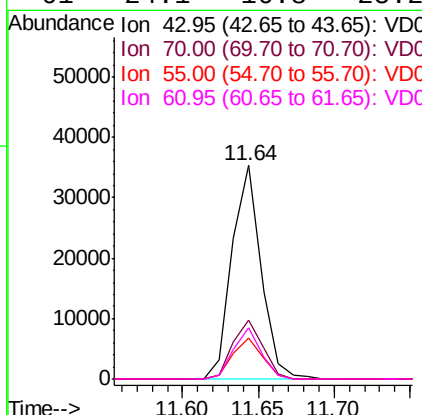
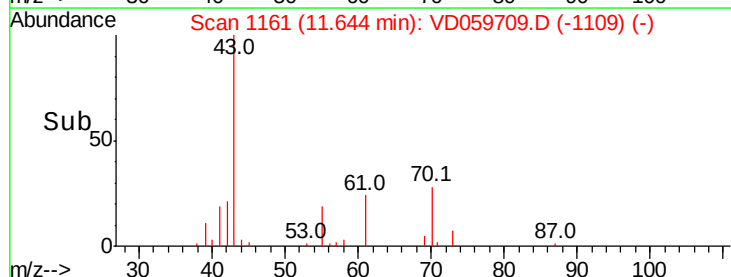
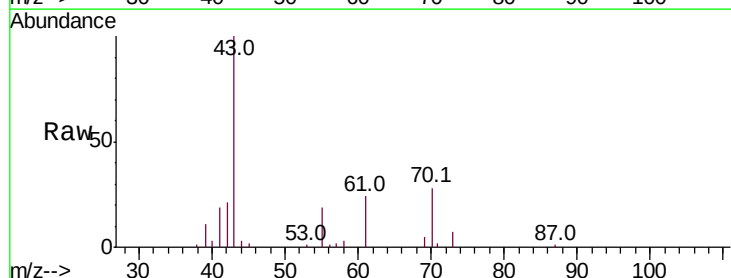
Delta R.T. 0.01 min

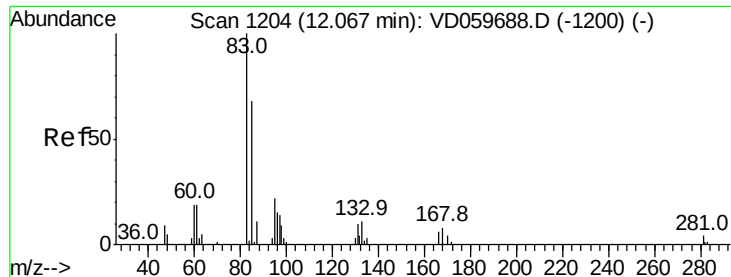
Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Tgt Ion: 43 Resp: 47049

Ion	Ratio	Lower	Upper
43	100		
70	27.6	21.0	31.6
55	19.3	15.4	23.2
61	24.1	16.8	25.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.949 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

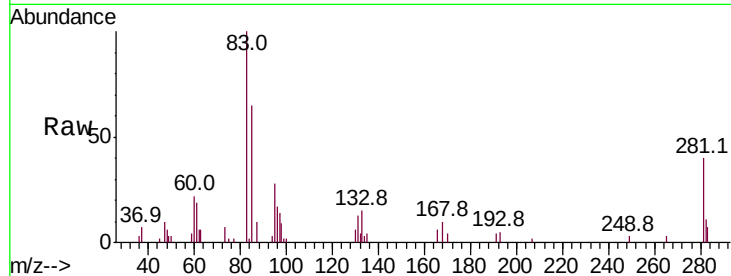
Tot Ion: 83 Resp: 28694

Ion Ratio Lower Upper

83 100

131 13.4 5.3 15.9

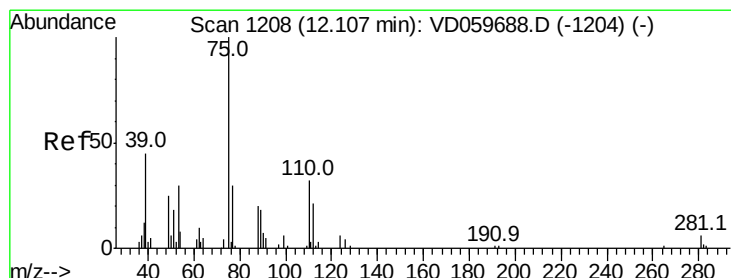
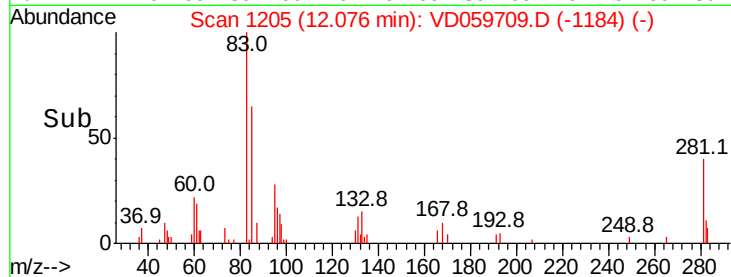
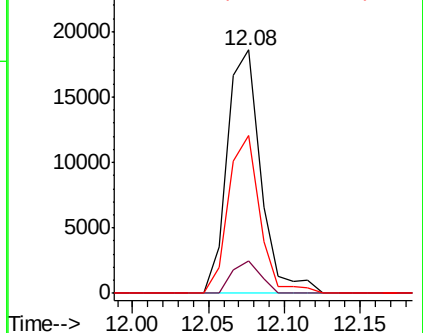
85 64.9 34.1 102.2



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: 20.320 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059709.D

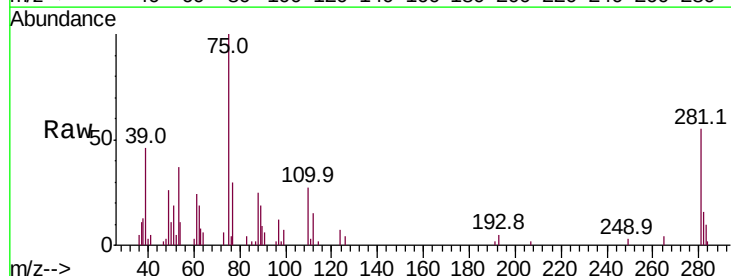
Acq: 8 Aug 2018 13:21

Tgt Ion: 75 Resp: 35272

Ion Ratio Lower Upper

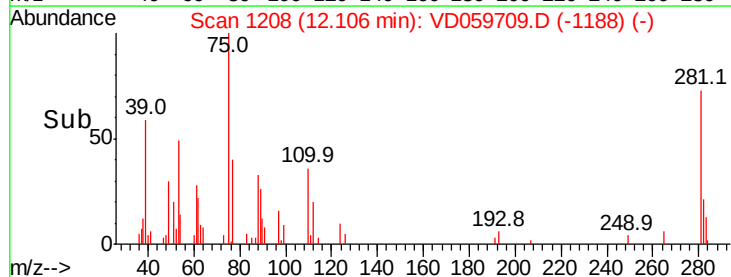
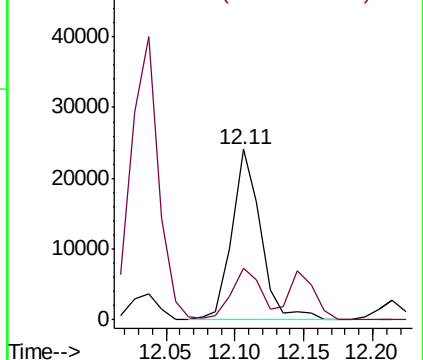
75 100

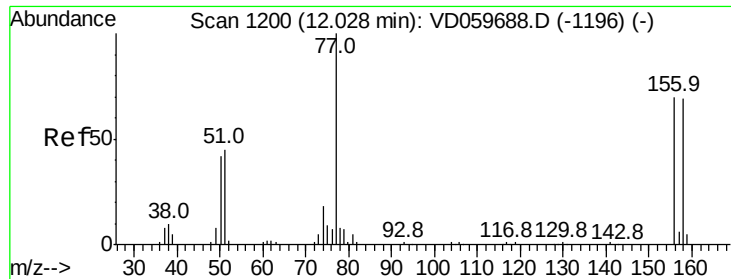
77 30.2 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.561 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

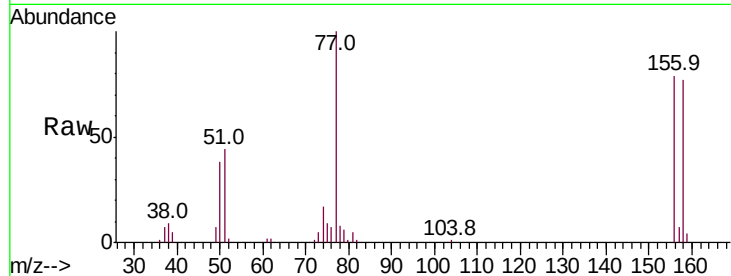
Tot Ion:156 Resp: 43025

Ion Ratio Lower Upper

156 100

77 127.1 71.2 213.6

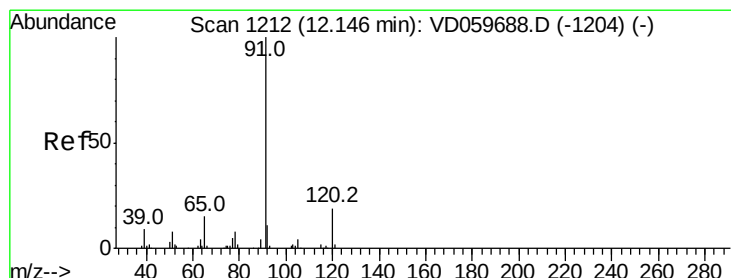
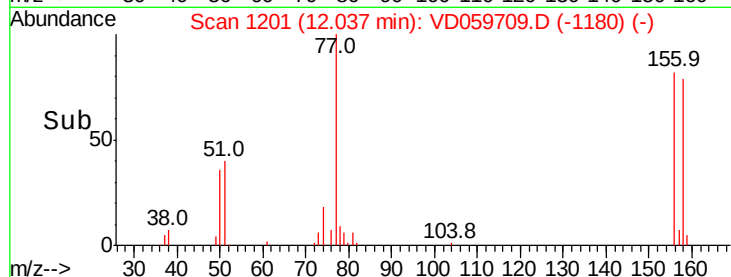
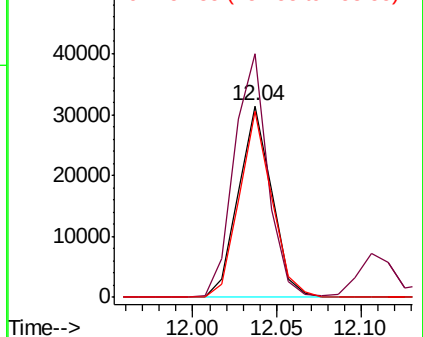
158 97.4 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.837 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059709.D

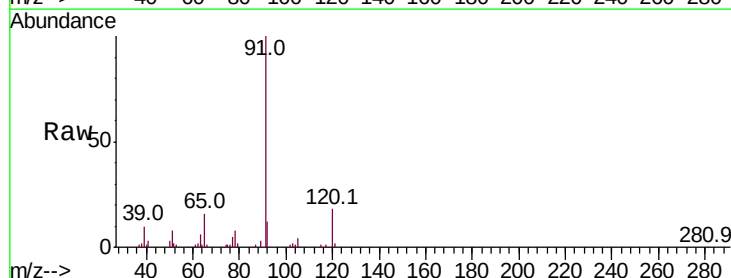
Acq: 8 Aug 2018 13:21

Tgt Ion: 91 Resp: 185504

Ion Ratio Lower Upper

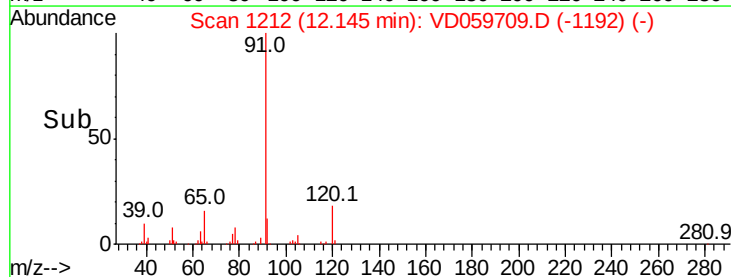
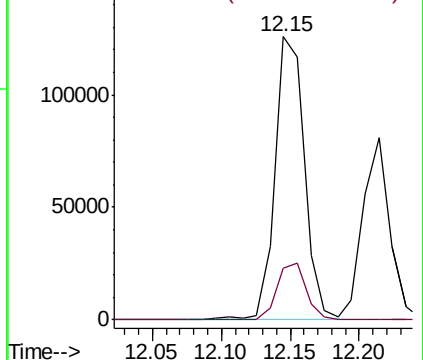
91 100

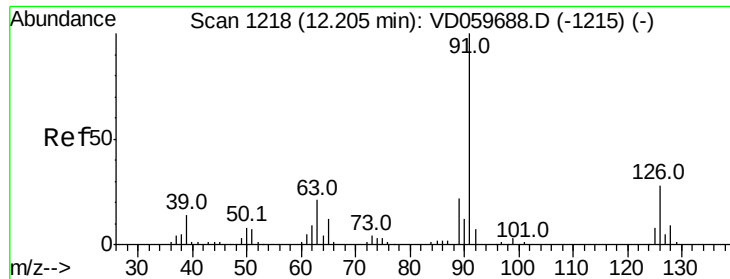
120 18.2 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

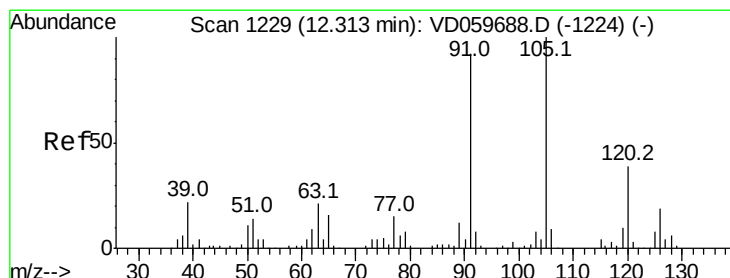
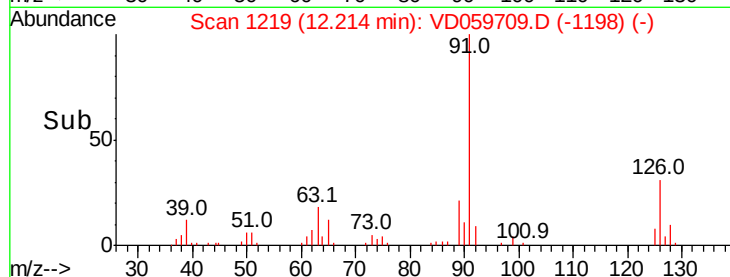
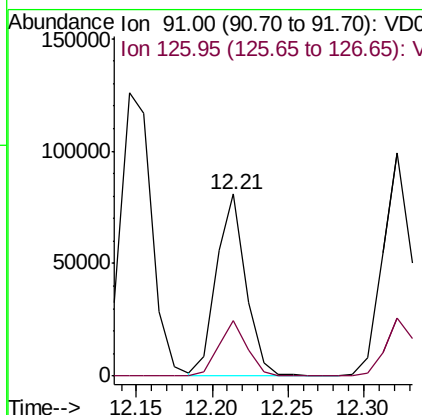
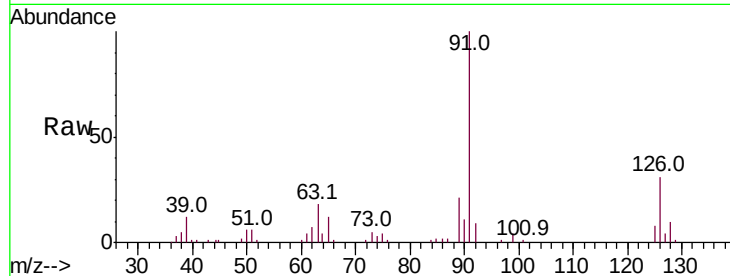




#79
 2-Chlorotoluene
 Concen: 19.291 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

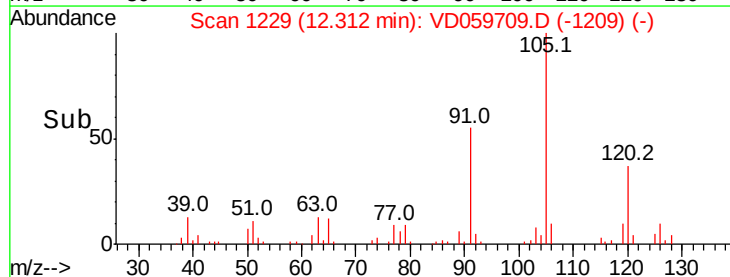
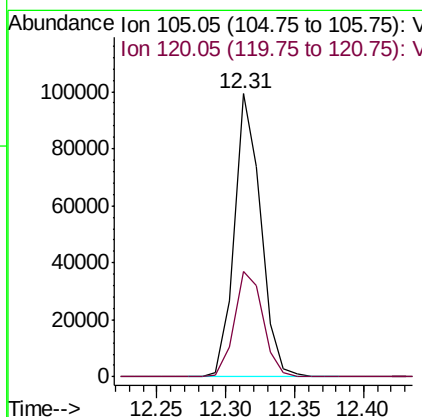
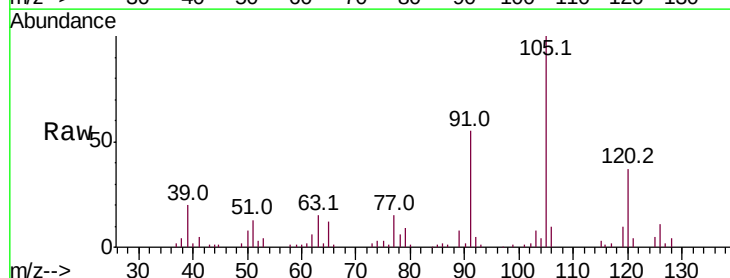
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

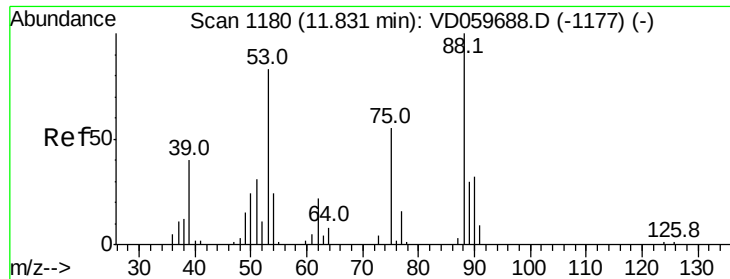
Tot Ion: 91 Resp: 108952
 Ion Ratio Lower Upper
 91 100
 126 30.8 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.035 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion:105 Resp: 132222
 Ion Ratio Lower Upper
 105 100
 120 37.5 19.7 59.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.086 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

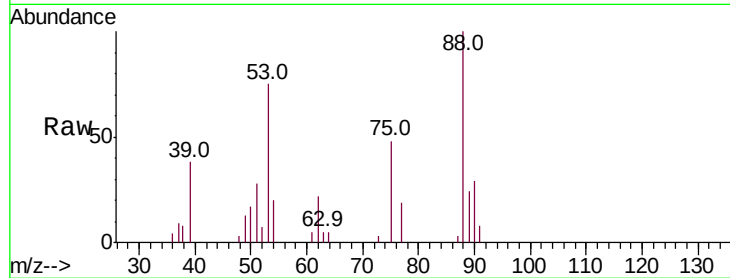
Tot Ion: 75 Resp: 8085

Ion Ratio Lower Upper

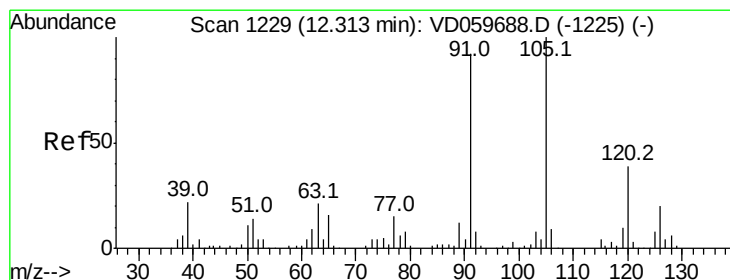
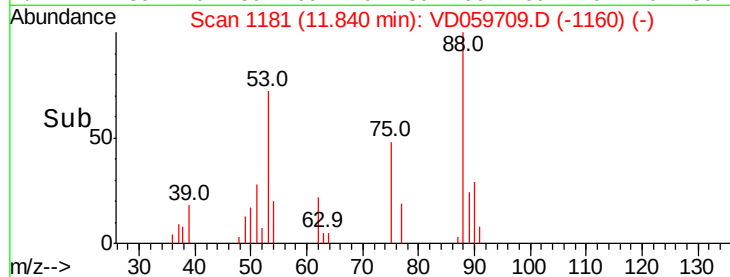
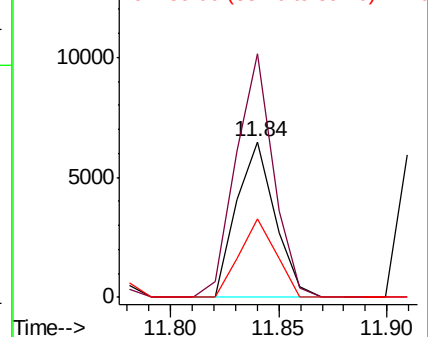
75 100

53 156.6 120.5 180.7

89 50.3 44.4 66.6



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: 20.006 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059709.D

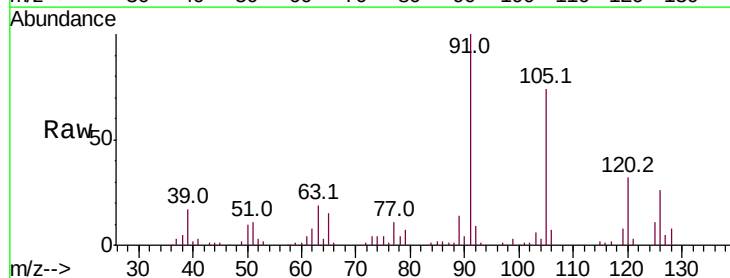
Acq: 8 Aug 2018 13:21

Tgt Ion: 91 Resp: 132265

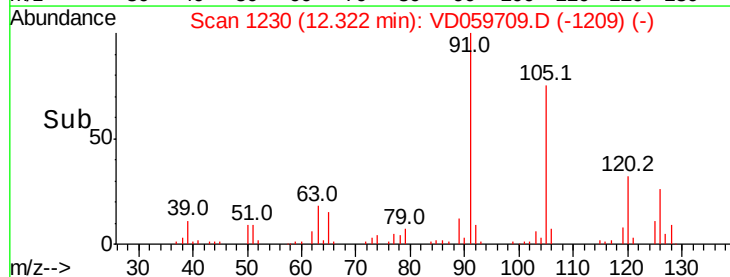
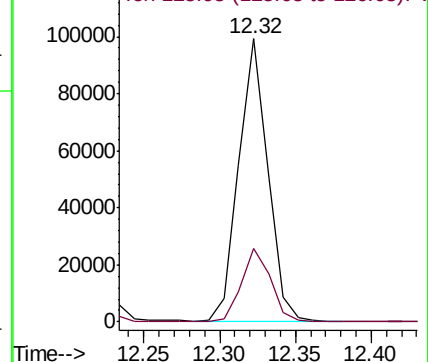
Ion Ratio Lower Upper

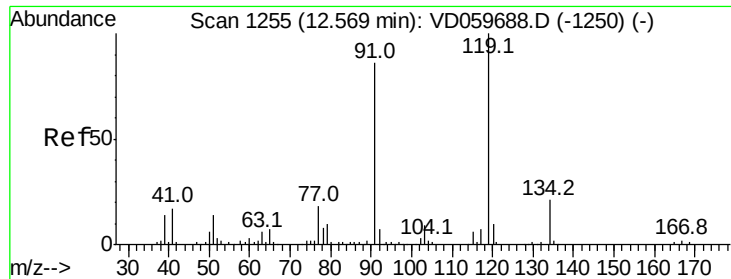
91 100

126 26.1 10.7 31.9



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





#83

tert-Butylbenzene

Concen: 20.117 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

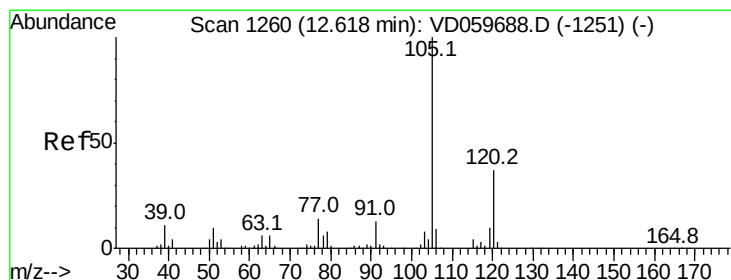
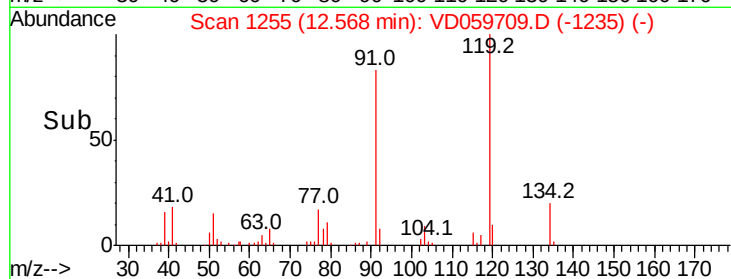
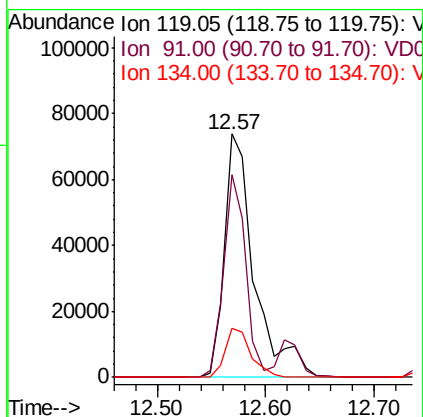
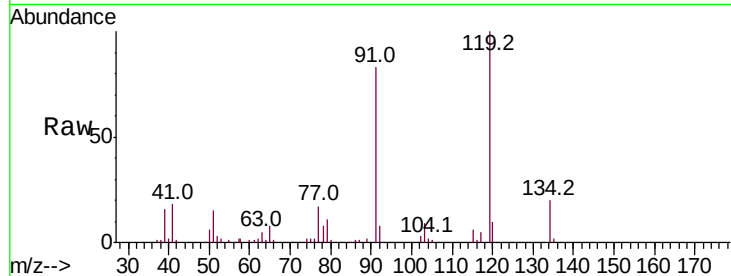
Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tot Ion:119 Resp: 141537

Ion	Ratio	Lower	Upper
119	100		
91	83.2	43.3	129.9
134	20.4	10.5	31.6



#84

1,2,4-Trimethylbenzene

Concen: 19.184 ug/l

RT: 12.62 min Scan# 1260

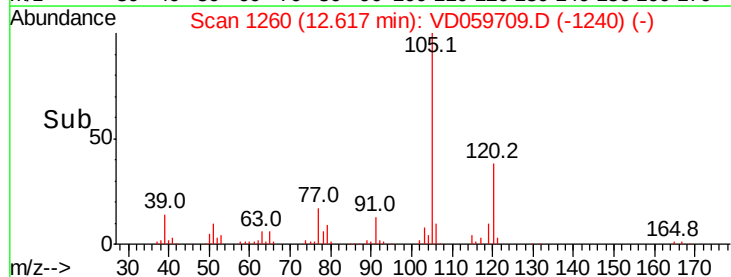
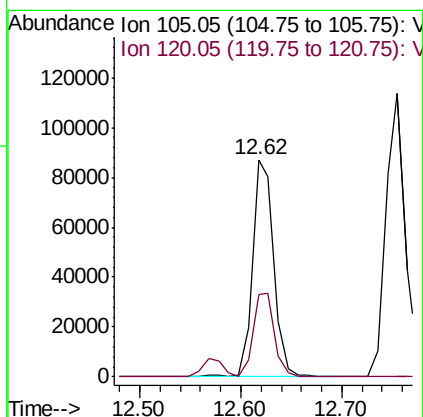
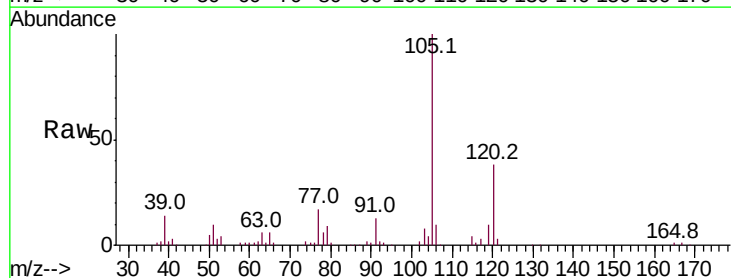
Delta R.T. -0.00 min

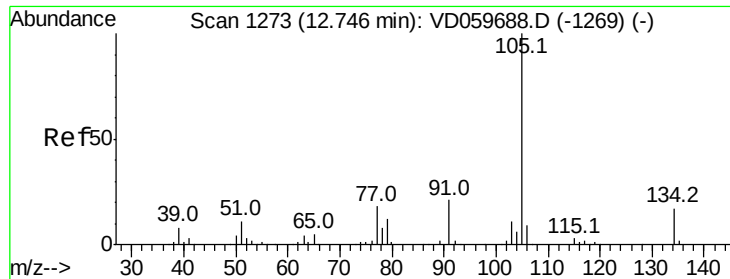
Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Tgt Ion:105 Resp: 127795

Ion	Ratio	Lower	Upper
105	100		
120	37.8	18.7	56.1





#85

sec-Butylbenzene

Concen: 19.592 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

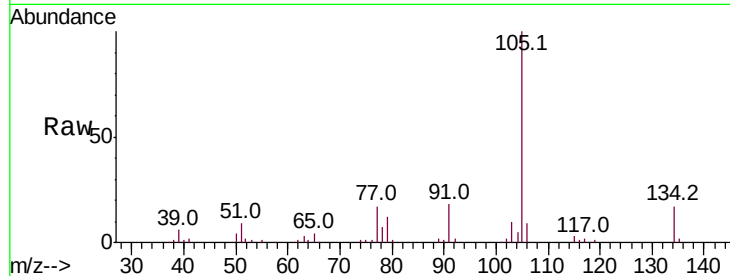
VD0808SBS01

Tot Ion:105 Resp: 153074

Ion Ratio Lower Upper

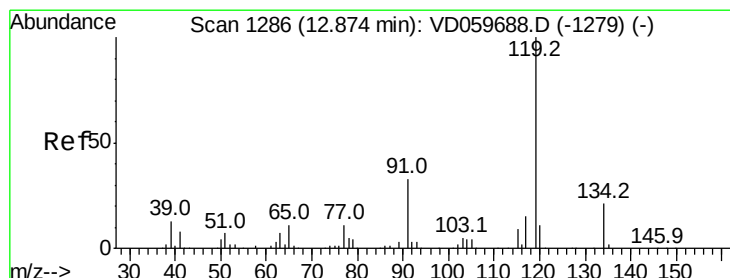
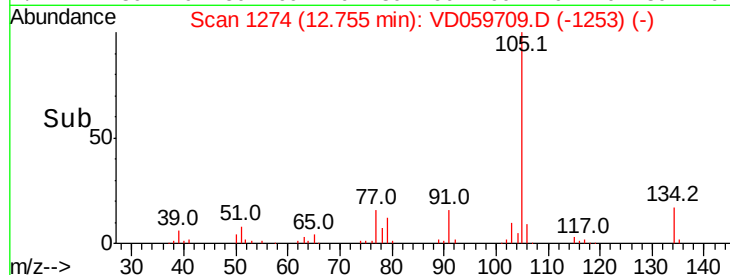
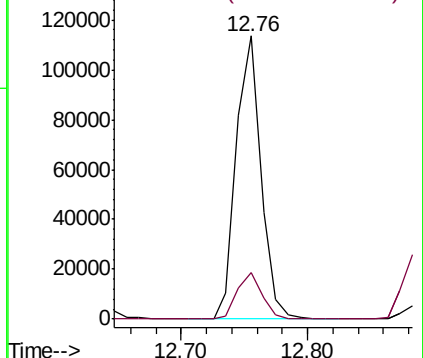
105 100

134 16.6 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.713 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059709.D

Acq: 8 Aug 2018 13:21

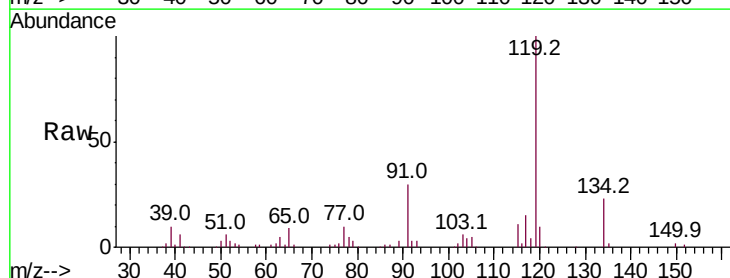
Tgt Ion:119 Resp: 138011

Ion Ratio Lower Upper

119 100

134 22.6 10.7 32.1

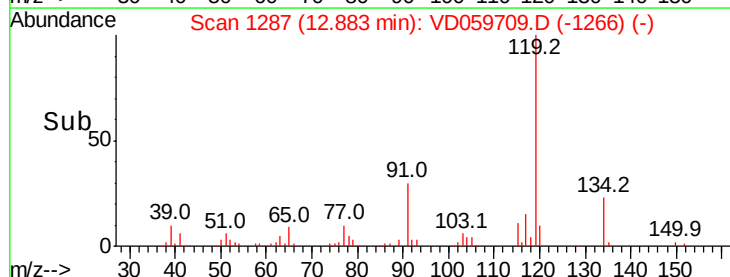
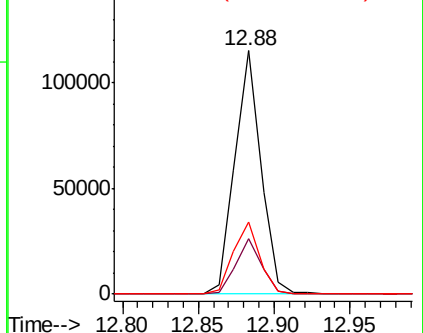
91 29.7 16.6 49.7

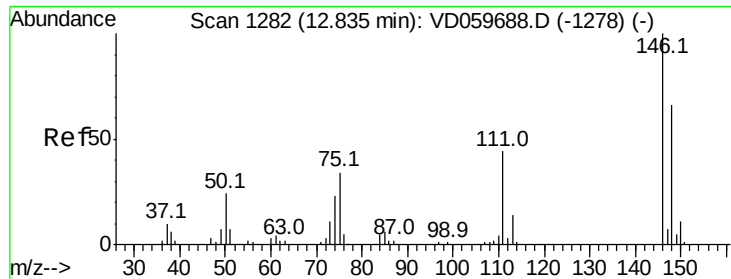


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

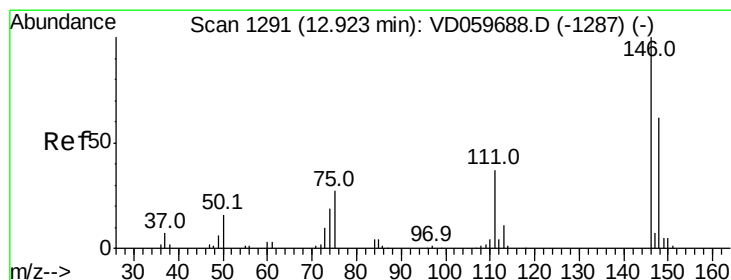
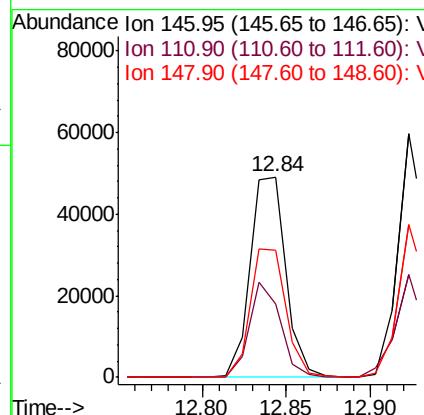
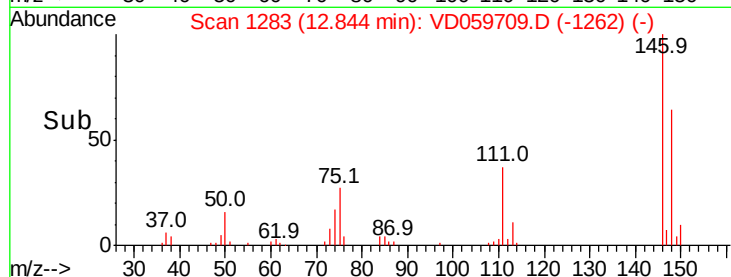
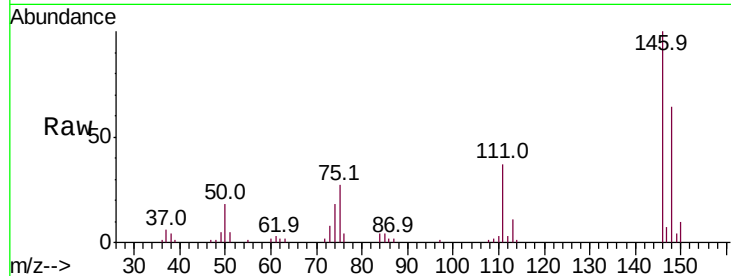




#87
 1,3-Dichlorobenzene
 Concen: 19.012 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

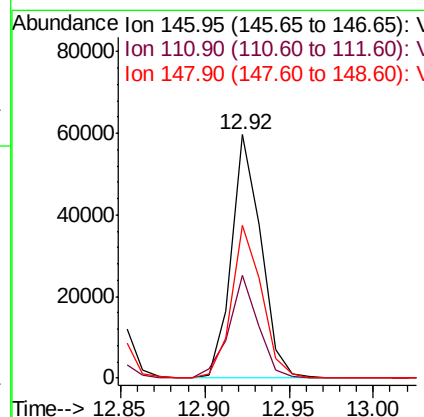
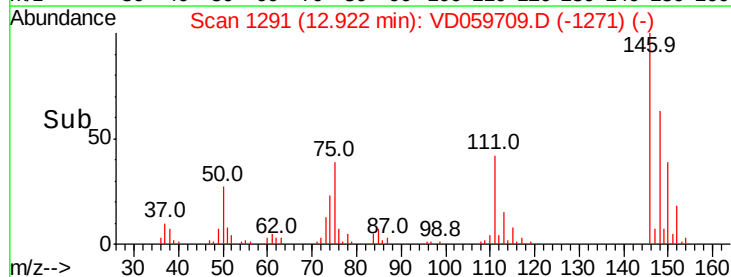
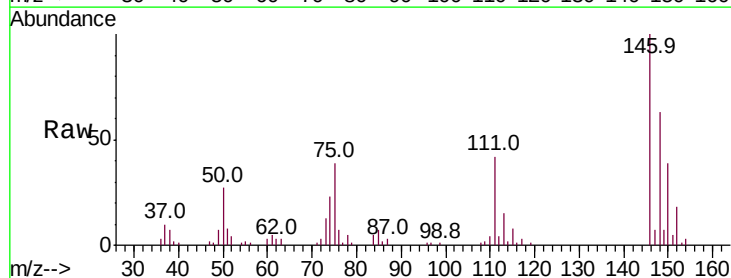
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

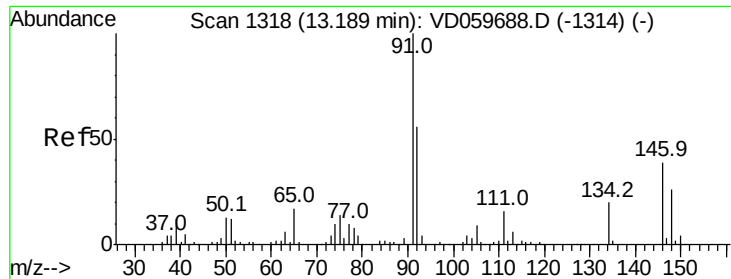
Tot Ion:146 Resp: 72171
 Ion Ratio Lower Upper
 146 100
 111 36.6 21.8 65.4
 148 63.5 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 19.235 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion:146 Resp: 72848
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.6 55.8
 148 62.5 31.2 93.6

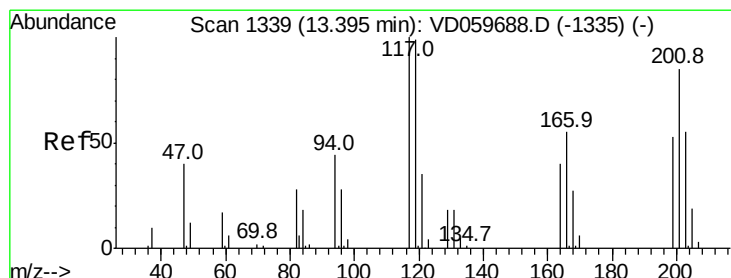
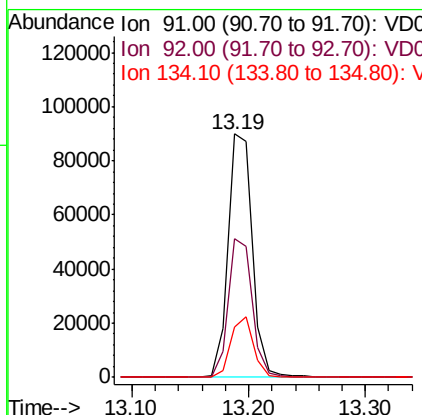
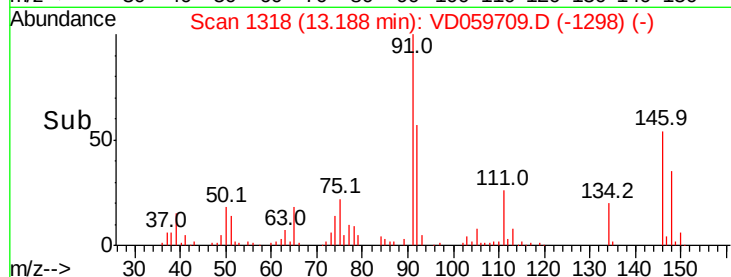
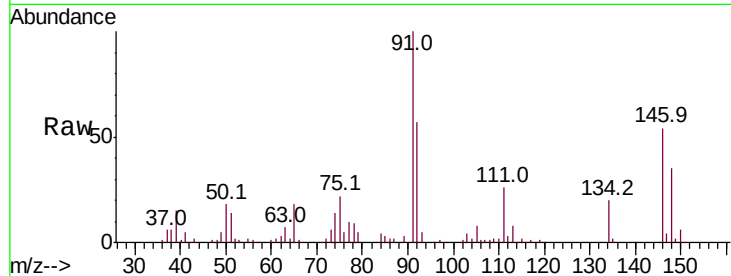




#89
n-Butylbenzene
Concen: 19.120 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

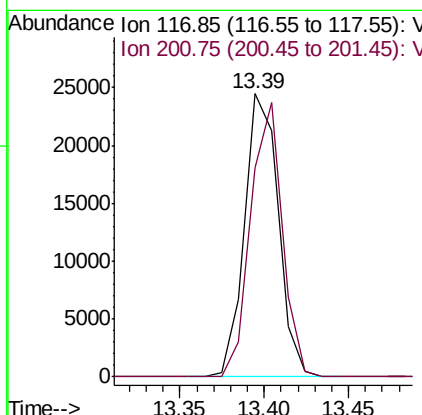
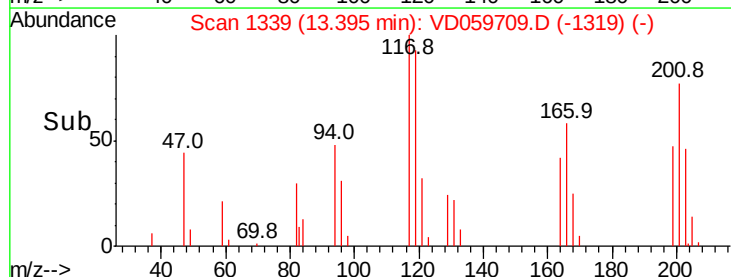
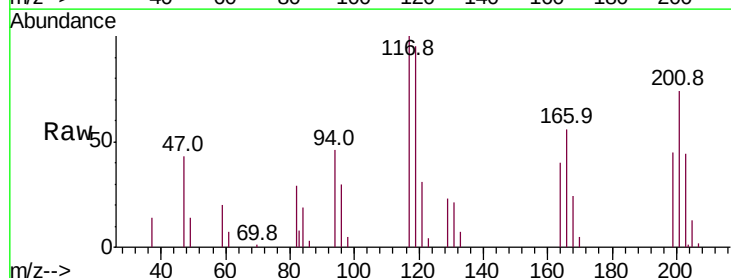
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

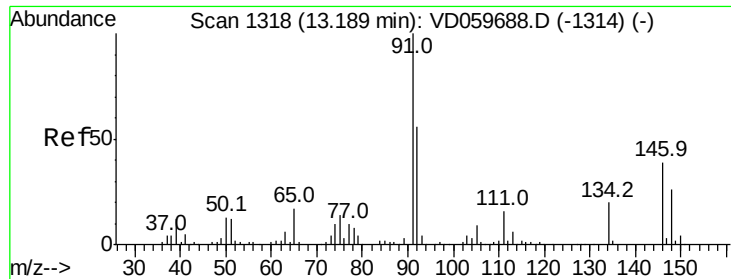
Tot Ion: 91 Resp: 129176
Ion Ratio Lower Upper
91 100
92 57.1 28.2 84.6
134 20.5 9.8 29.5



#90
Hexachloroethane
Concen: 19.730 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion: 117 Resp: 34073
Ion Ratio Lower Upper
117 100
201 73.7 42.4 127.1

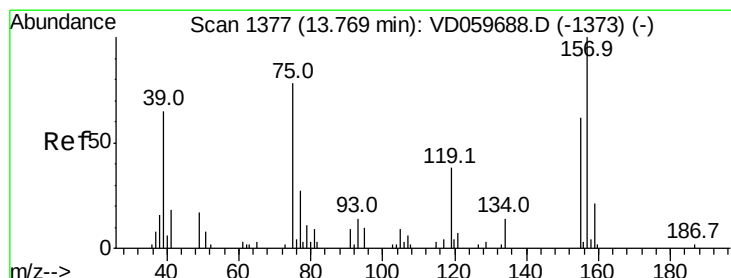
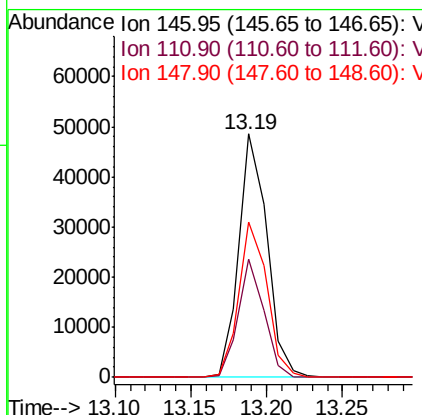
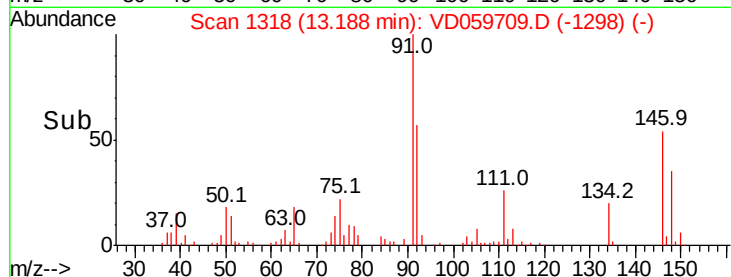
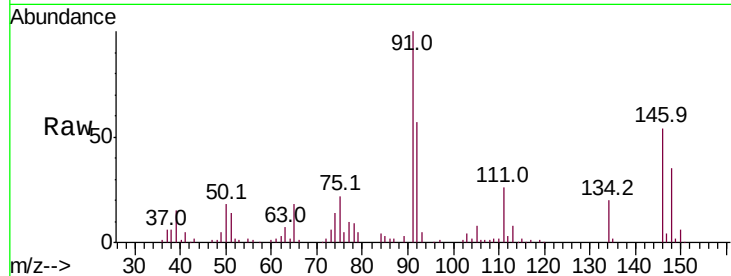




#91
 1,2-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

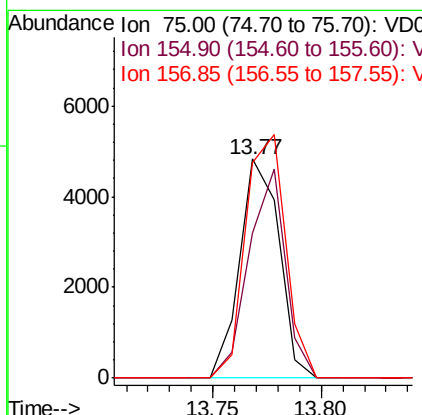
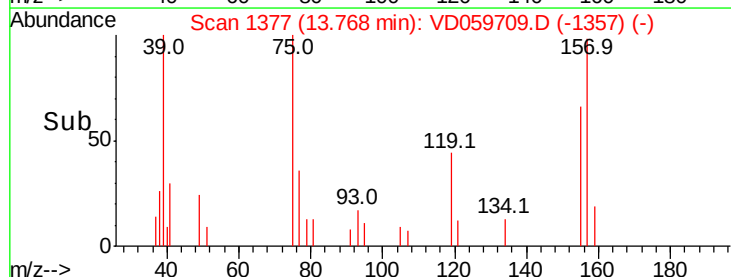
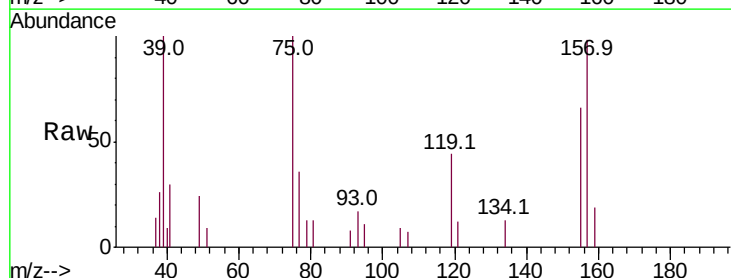
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

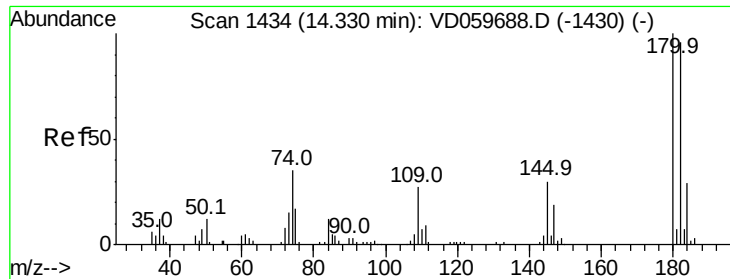
Tot Ion:146 Resp: 62657
 Ion Ratio Lower Upper
 146 100
 111 48.6 20.8 62.2
 148 63.9 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.562 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion: 75 Resp: 6187
 Ion Ratio Lower Upper
 75 100
 155 65.9 40.0 119.9
 157 98.5 64.3 192.7

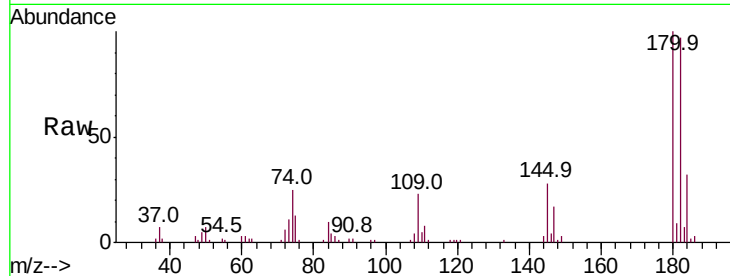




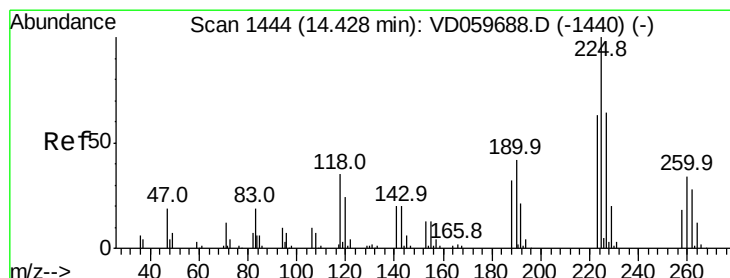
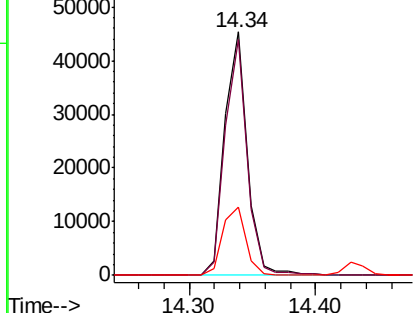
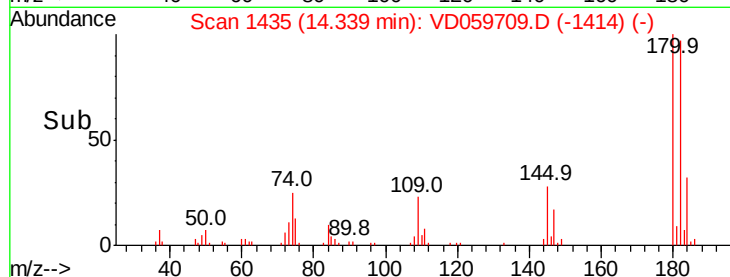
#93
 1,2,4-Trichlorobenzene
 Concen: 19.582 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tot Ion:180 Resp: 56316
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.0 144.0
 145 28.0 14.8 44.4

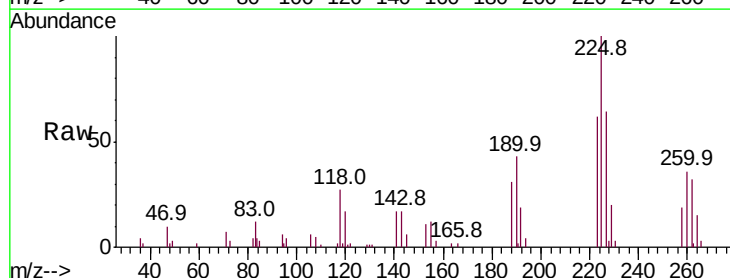


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

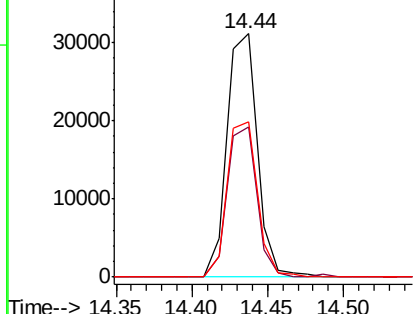
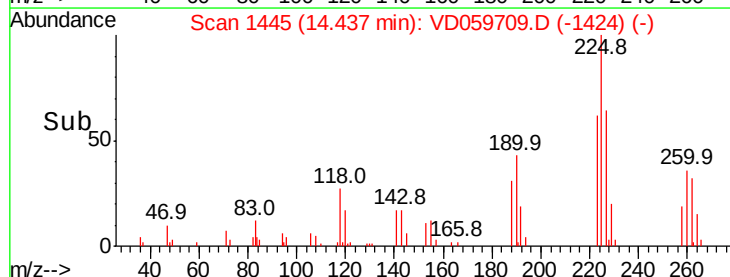


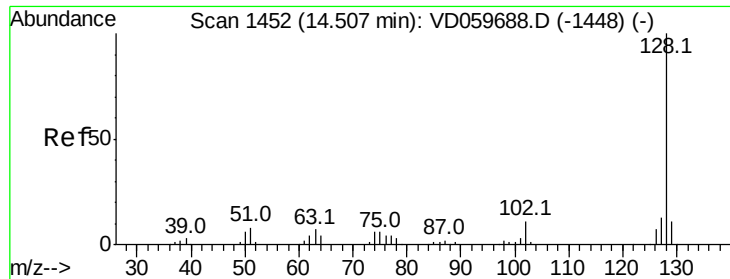
#94
 Hexachlorobutadiene
 Concen: 19.422 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059709.D
 Acq: 8 Aug 2018 13:21

Tgt Ion:225 Resp: 43317
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.3
 227 64.0 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

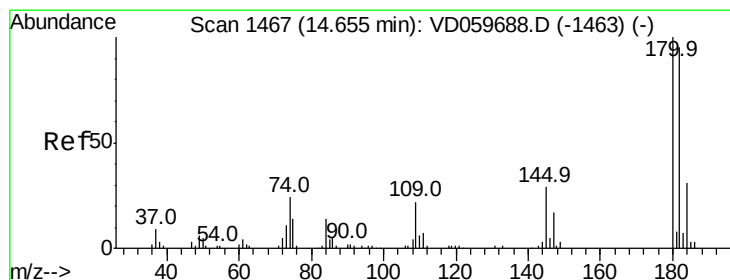
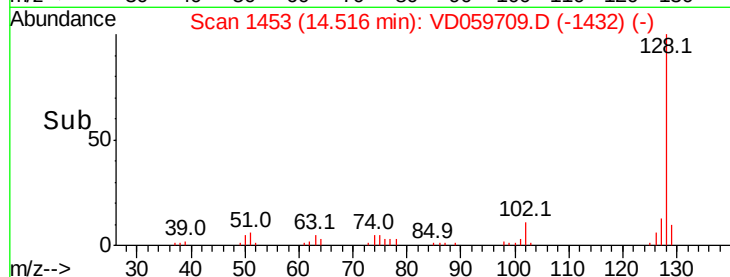
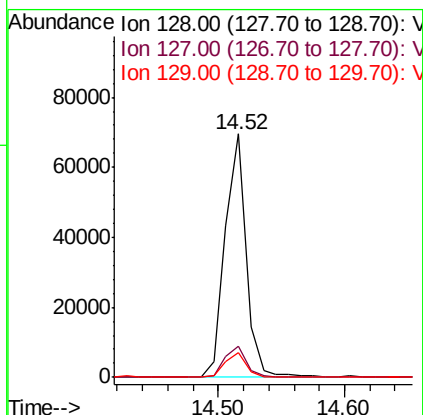
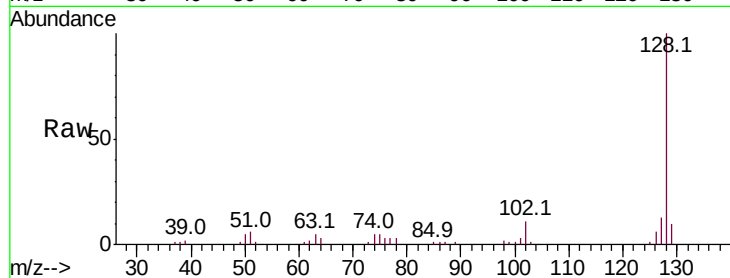




#95
Naphthalene
Concen: 18.986 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tot Ion:128 Resp: 80863
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.824 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059709.D
Acq: 8 Aug 2018 13:21

Tgt Ion:180 Resp: 49869
Ion Ratio Lower Upper
180 100
182 91.3 47.5 142.5
145 34.3 14.5 43.5

