

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059586.D
 Acq On : 25 Jul 2018 13:37
 Operator : VA/AP
 Sample : VD0725SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

Quant Time: Jul 26 04:27:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	146307	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	184661	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	150547	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	79860	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	87827	47.75	ug/l	0.01
Spiked Amount			Recovery	=	95.50%	
35) Dibromofluoromethane	5.52	113	82085	51.82	ug/l	0.01
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	8.69	98	172094	47.89	ug/l	0.01
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.92	95	79408	49.06	ug/l	0.01
Spiked Amount			Recovery	=	98.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	44155	24.36	ug/l	96
3) Chloromethane	1.46	50	18007	19.69	ug/l	90
4) Vinyl Chloride	1.54	62	20198	21.23	ug/l	97
5) Bromomethane	1.76	94	3698	20.26	ug/l #	79
6) Chloroethane	1.84	64	5495	19.74	ug/l	97
7) Trichlorofluoromethane	2.05	101	38796	23.90	ug/l	99
8) Diethyl Ether	2.32	74	6287	22.18	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.52	101	18053	21.10	ug/l	96
10) Methyl Iodide	2.66	142	21443	20.43	ug/l	94
11) Tert butyl alcohol	3.26	59	7619	103.83	ug/l #	80
12) 1,1-Dichloroethene	2.51	96	13490	21.76	ug/l	96
13) Acrolein	2.44	56	4299	113.72	ug/l	83
14) Allyl chloride	2.89	41	31103	20.69	ug/l	97
15) Acrylonitrile	3.33	53	15137	95.12	ug/l	100
16) Acetone	2.59	43	27958	100.65	ug/l	98
17) Carbon Disulfide	2.72	76	47984	19.48	ug/l	97
18) Methyl Acetate	2.91	43	10660	19.19	ug/l	97
19) Methyl tert-butyl Ether	3.38	73	47299	22.76	ug/l	99
20) Methylene Chloride	3.04	84	18765	23.69	ug/l	98
21) trans-1,2-Dichloroethene	3.36	96	13415	20.06	ug/l	93
22) Diisopropyl ether	4.05	45	74628	18.88	ug/l	98
23) Vinyl Acetate	3.99	43	241044	96.07	ug/l	99
24) 1,1-Dichloroethane	3.94	63	51629	20.69	ug/l	99
25) 2-Butanone	4.81	43	40372	95.31	ug/l	96
26) 2,2-Dichloropropane	4.76	77	53827	21.06	ug/l	97
27) cis-1,2-Dichloroethene	4.77	96	27816	20.83	ug/l	95
28) Bromochloromethane	5.12	49	19984	20.24	ug/l	96
29) Tetrahydrofuran	5.16	42	17975	91.65	ug/l	98
30) Chloroform	5.29	83	61210	20.51	ug/l	95
31) Cyclohexane	5.56	56	35239	18.49	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	60912	21.08	ug/l	98
36) 1,1-Dichloropropene	5.72	75	41030	22.14	ug/l	97
37) Ethyl Acetate	4.90	43	20635	21.65	ug/l	99
38) Carbon Tetrachloride	5.70	117	55810	22.00	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059586.D
 Acq On : 25 Jul 2018 13:37
 Operator : VA/AP
 Sample : VD0725SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0725SBSD01

Quant Time: Jul 26 04:27:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	35655	20.92	ug/l	94
40) Benzene	5.99	78	73005	19.21	ug/l	99
41) Methacrylonitrile	5.10	41	9583	20.15	ug/l	94
42) 1,2-Dichloroethane	6.10	62	48474	21.17	ug/l	98
43) Isopropyl Acetate	7.61	43	25109	19.00	ug/l	97
44) Trichloroethene	6.96	130	30364	22.03	ug/l	94
45) 1,2-Dichloropropane	7.33	63	21814	20.50	ug/l	96
46) Dibromomethane	7.44	93	18267	20.31	ug/l	90
47) Bromodichloromethane	7.72	83	45476	21.17	ug/l	98
48) Methyl methacrylate	7.49	41	17940	20.47	ug/l	93
49) 1,4-Dioxane	7.47	88	3164	399.50	ug/l #	84
51) 4-Methyl-2-Pentanone	8.58	43	87204	98.80	ug/l	98
52) Toluene	8.79	92	53252	21.13	ug/l	90
53) t-1,3-Dichloropropene	9.17	75	38128	19.68	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	41581	21.61	ug/l	94
55) 1,1,2-Trichloroethane	9.44	97	20208	21.35	ug/l	97
56) Ethyl methacrylate	9.30	69	22265	20.73	ug/l	98
57) 1,3-Dichloropropane	9.65	76	31519	20.95	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	48669	96.44	ug/l	95
59) 2-Hexanone	9.77	43	68253	97.35	ug/l	98
60) Dibromochloromethane	9.95	129	32801	20.87	ug/l	97
61) 1,2-Dibromoethane	10.09	107	23275	20.75	ug/l	99
64) Tetrachloroethene	9.50	164	28885	21.17	ug/l	96
65) Chlorobenzene	10.71	112	65284	21.15	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	28763	21.43	ug/l	96
67) Ethyl Benzene	10.85	91	119155	22.46	ug/l	99
68) m/p-Xylenes	11.01	106	77435	43.70	ug/l	92
69) o-Xylene	11.39	106	36779	21.39	ug/l	98
70) Styrene	11.42	104	63329	22.22	ug/l	96
71) Bromoform	11.59	173	22220	20.33	ug/l	97
73) Isopropylbenzene	11.77	105	115103	20.40	ug/l	100
74) N-amyl acetate	11.64	43	34785	18.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	21328	18.52	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	24799	18.78	ug/l	97
77) Bromobenzene	12.03	156	33835	20.49	ug/l	88
78) n-propylbenzene	12.15	91	138580	20.22	ug/l	100
79) 2-Chlorotoluene	12.21	91	84236	20.61	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	88884	19.95	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	6239	18.48	ug/l	95
82) 4-Chlorotoluene	12.32	91	93311	20.19	ug/l	95
83) tert-Butylbenzene	12.56	119	101708	20.28	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	93669	19.78	ug/l	94
85) sec-Butylbenzene	12.75	105	116798	20.38	ug/l	100
86) p-Isopropyltoluene	12.88	119	95057	19.68	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	58440	20.92	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	56553	21.02	ug/l	95
89) n-Butylbenzene	13.19	91	92263	19.79	ug/l	97
90) Hexachloroethane	13.39	117	24927	19.32	ug/l	87
91) 1,2-Dichlorobenzene	13.18	146	46431	19.81	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.76	75	3874	16.68	ug/l	88

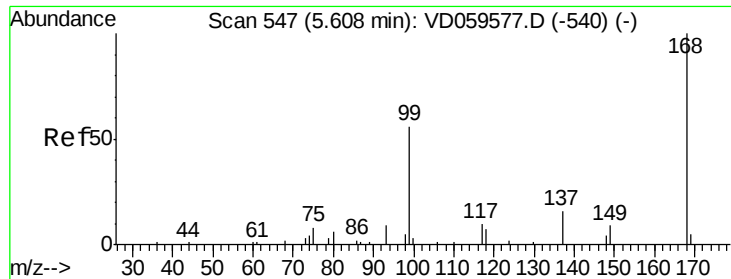
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
Data File : VD059586.D
Acq On : 25 Jul 2018 13:37
Operator : VA/AP
Sample : VD0725SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

Quant Time: Jul 26 04:27:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	39105	20.15	ug/l	96
94) Hexachlorobutadiene	14.43	225	30721	20.07	ug/l	97
95) Naphthalene	14.51	128	52302	18.95	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	34474	19.63	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

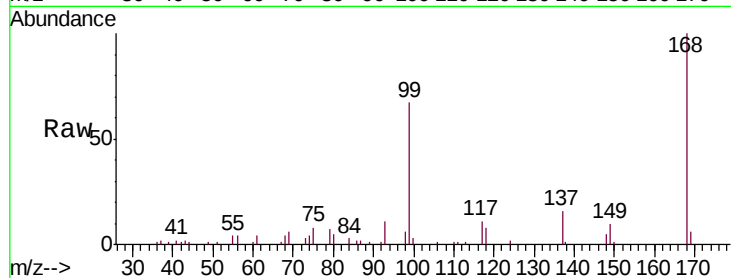
VD0725SBSD01

Tot Ion:168 Resp: 146307

Ion Ratio Lower Upper

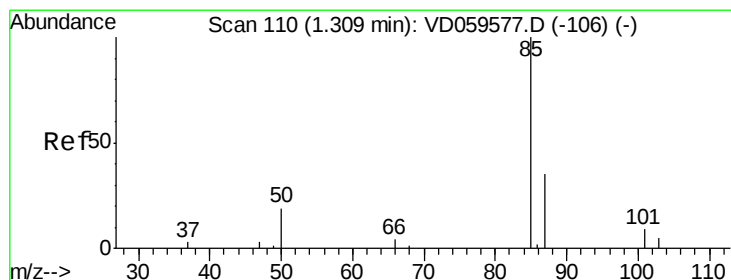
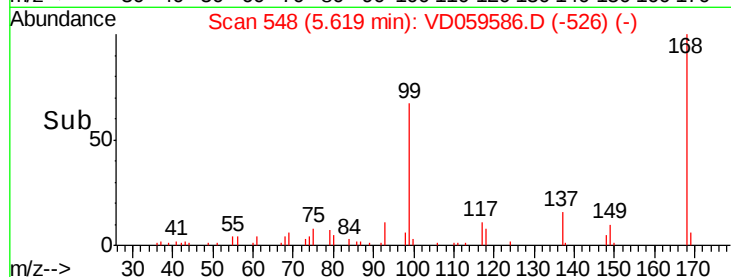
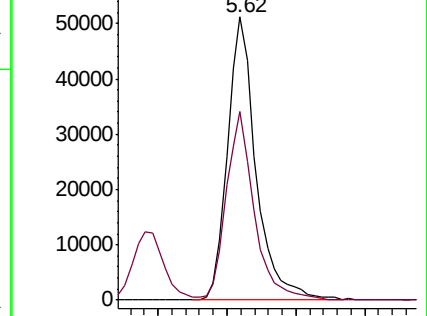
168 100

99 66.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.36 ug/l

RT: 1.32 min Scan# 111

Delta R.T. 0.01 min

Lab File: VD059586.D

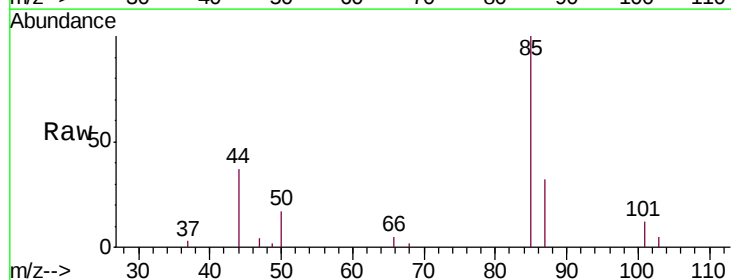
Acq: 25 Jul 2018 13:37

Tgt Ion: 85 Resp: 44155

Ion Ratio Lower Upper

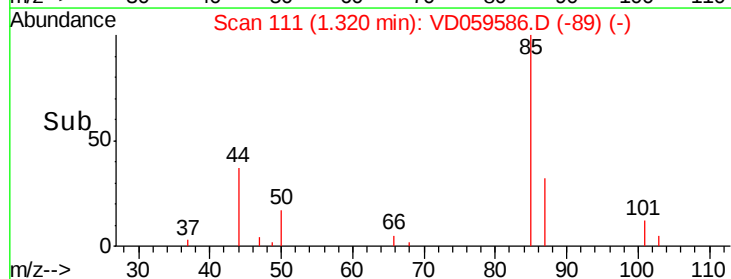
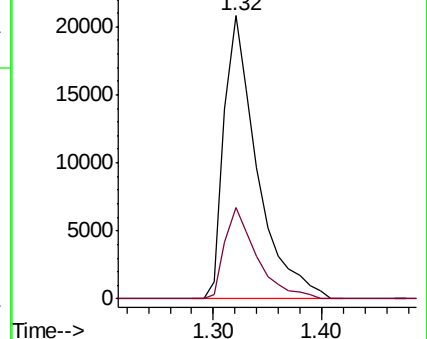
85 100

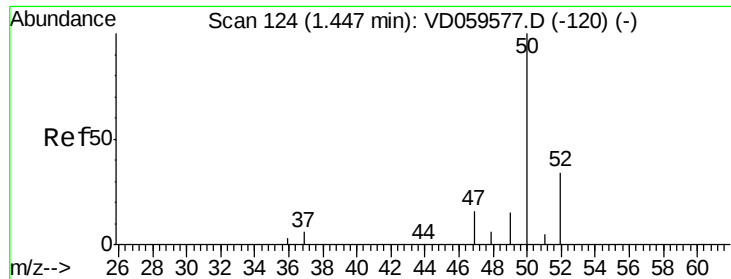
87 32.5 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.69 ug/l

RT: 1.46 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

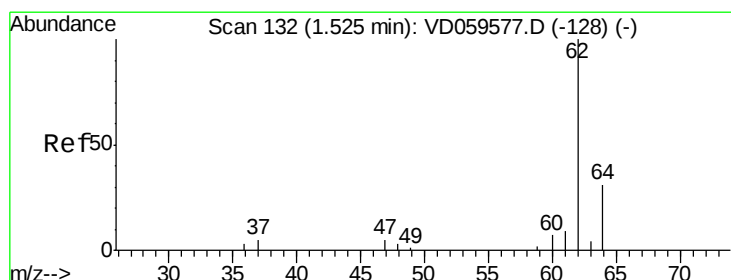
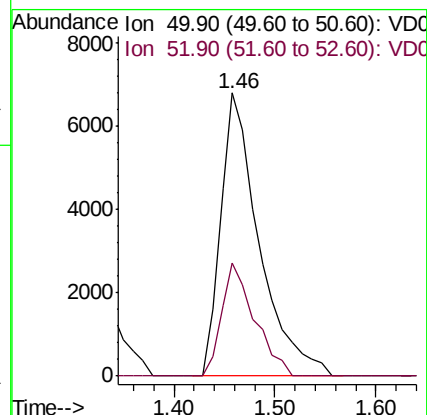
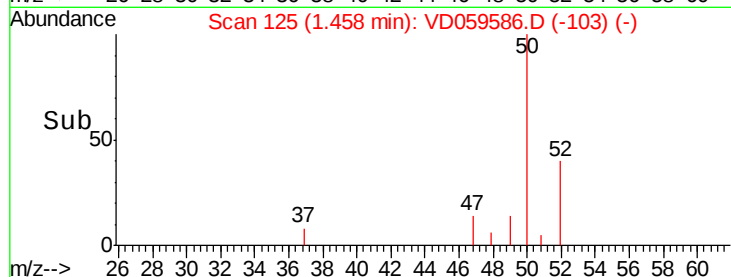
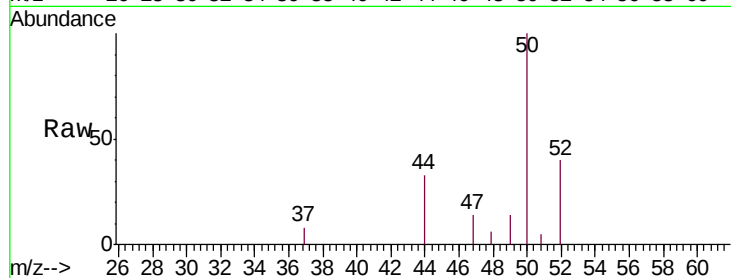
VD0725SBS01

Tot Ion: 50 Resp: 18007

Ion Ratio Lower Upper

50 100

52 39.8 27.3 40.9



#4

Vinyl Chloride

Concen: 21.23 ug/l

RT: 1.54 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059586.D

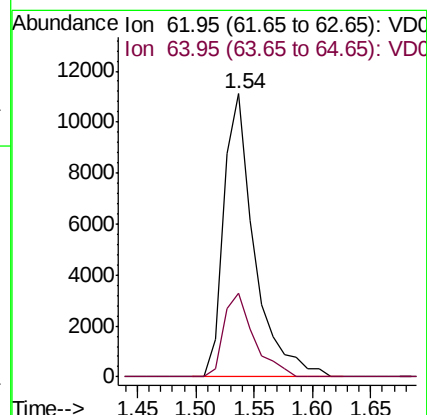
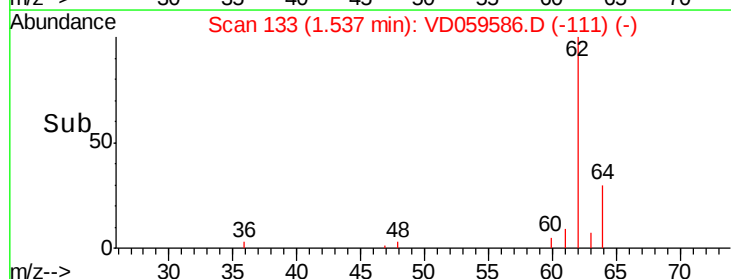
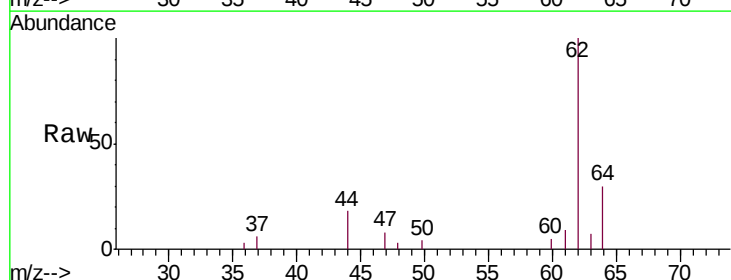
Acq: 25 Jul 2018 13:37

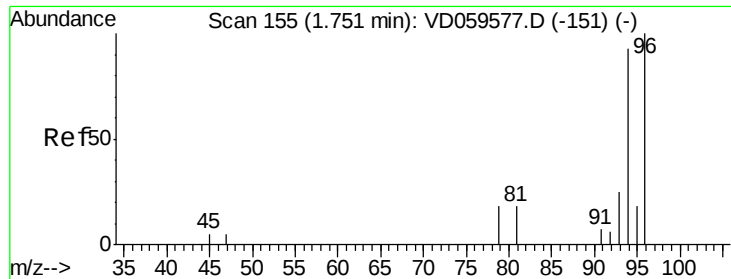
Tgt Ion: 62 Resp: 20198

Ion Ratio Lower Upper

62 100

64 29.6 25.0 37.4

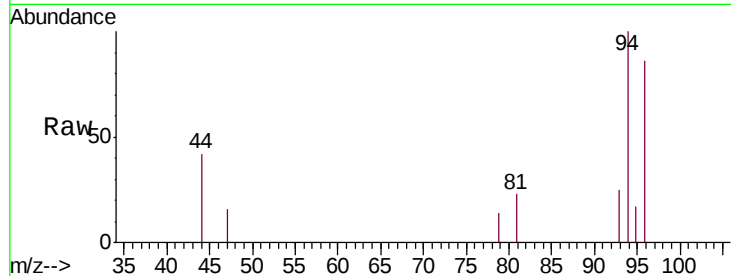




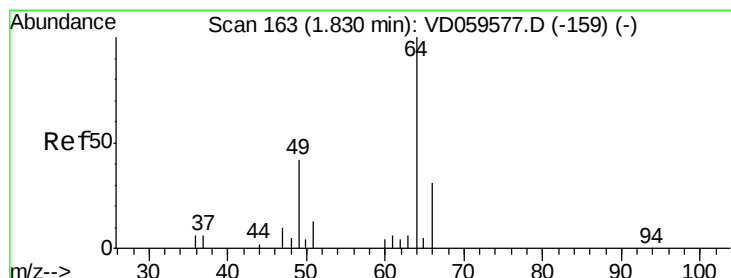
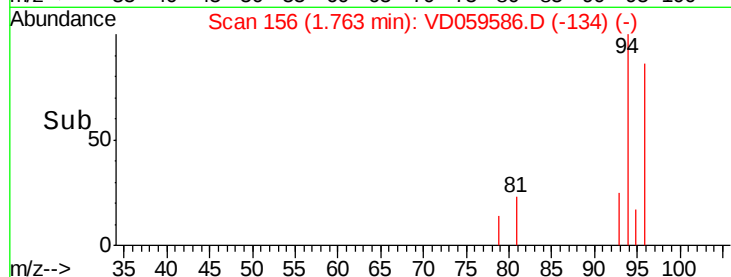
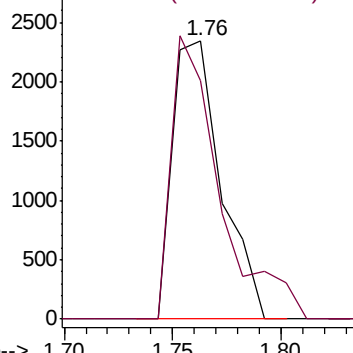
#5
Bromomethane
Concen: 20.26 ug/l
RT: 1.76 min Scan# 156
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

Tot Ion: 94 Resp: 3698
Ion Ratio Lower Upper
94 100
96 85.7 86.2 129.2#

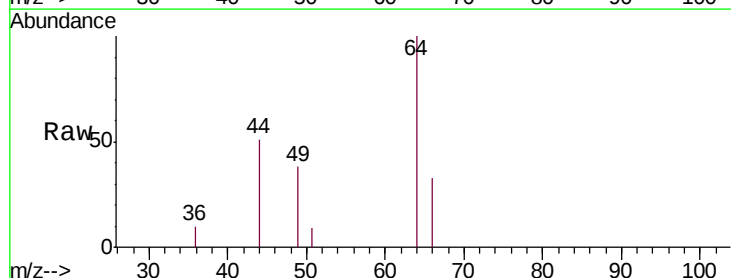


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

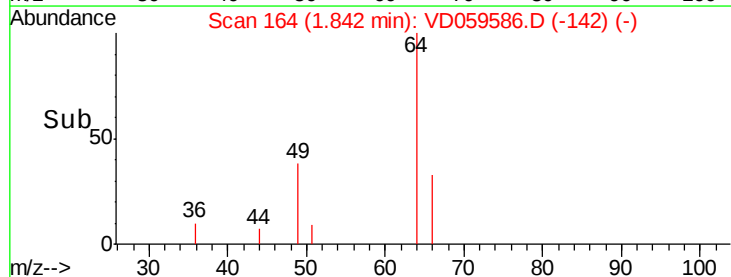
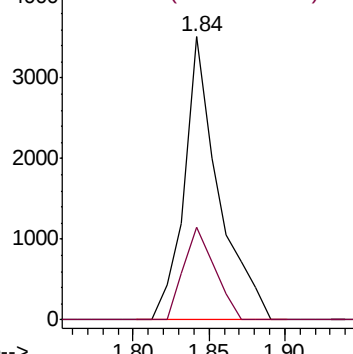


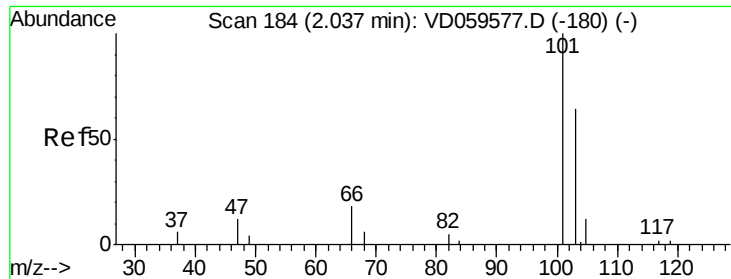
#6
Chloroethane
Concen: 19.74 ug/l
RT: 1.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 64 Resp: 5495
Ion Ratio Lower Upper
64 100
66 32.9 25.2 37.8



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



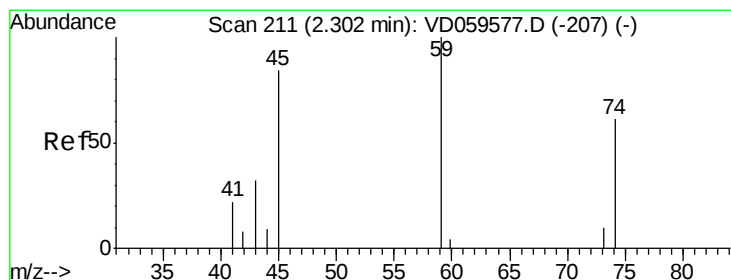
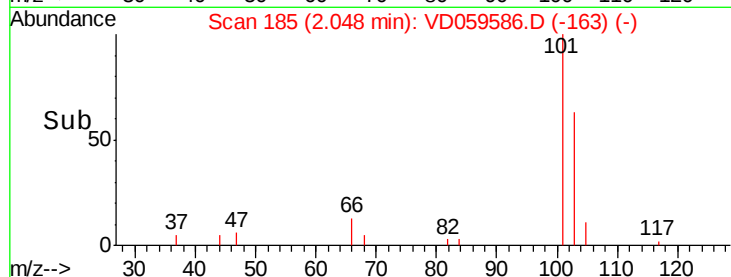
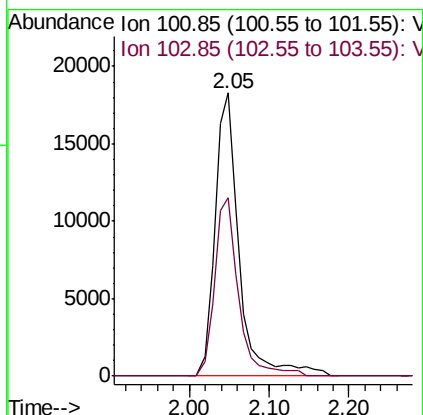
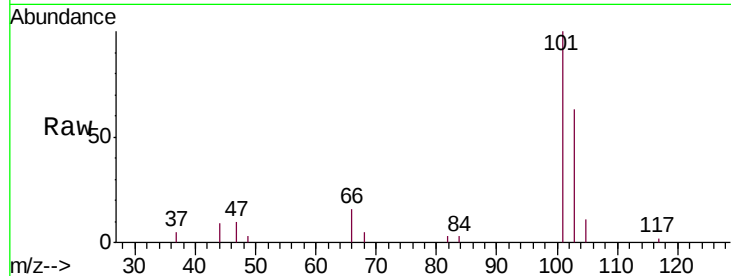


#7

Trichlorofluoromethane
Concen: 23.90 ug/l
RT: 2.05 min Scan# 185
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

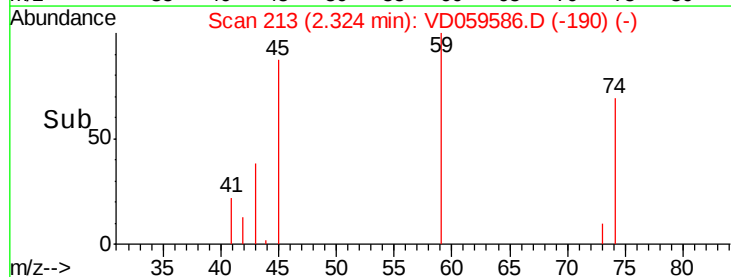
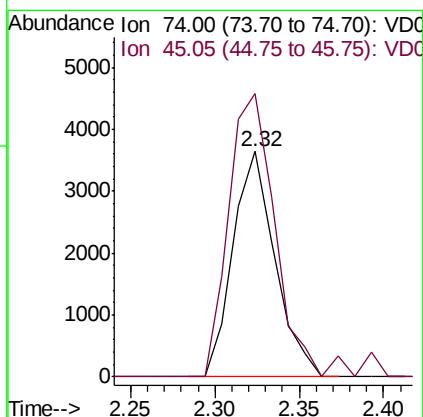
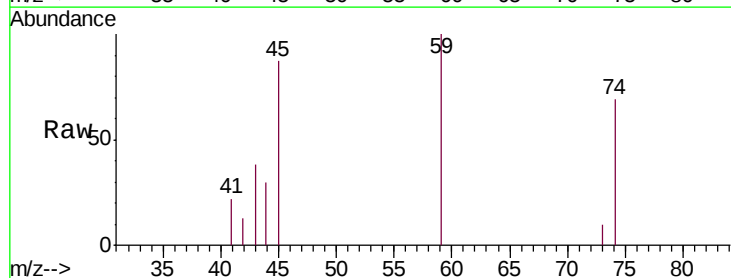
Tot Ion:101 Resp: 38796
Ion Ratio Lower Upper
101 100
103 62.9 50.9 76.3

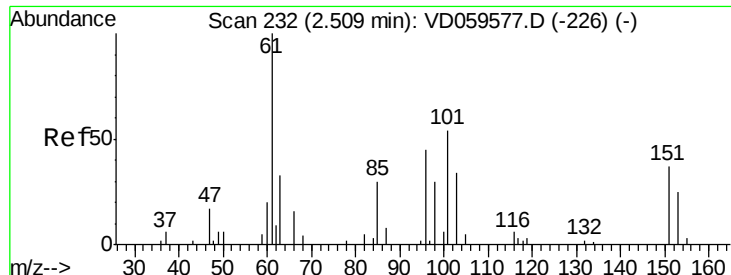


#8

Diethyl Ether
Concen: 22.18 ug/l
RT: 2.32 min Scan# 213
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 74 Resp: 6287
Ion Ratio Lower Upper
74 100
45 125.6 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.10 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBSD01

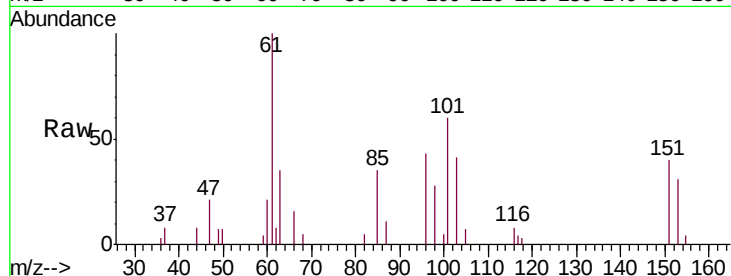
Tot Ion:101 Resp: 18053

Ion Ratio Lower Upper

101 100

85 58.4 44.5 66.7

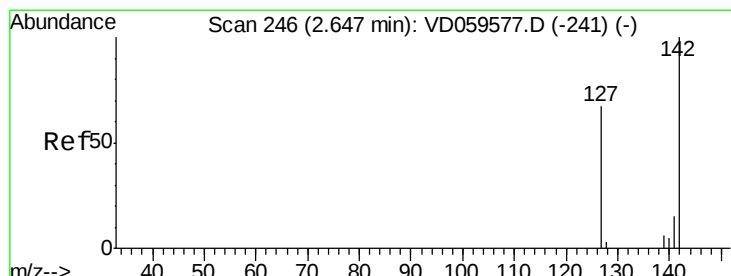
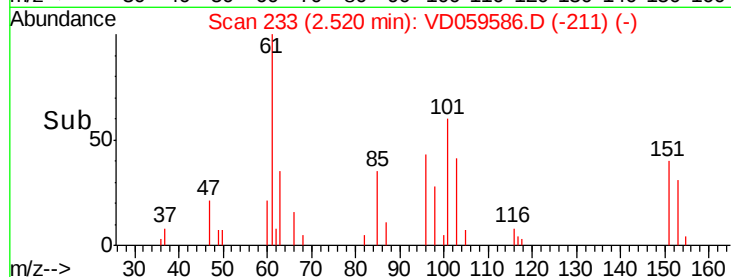
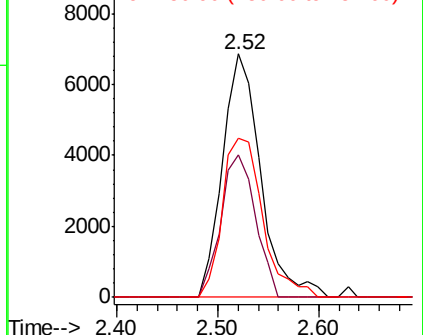
151 65.5 55.4 83.0



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: 20.43 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

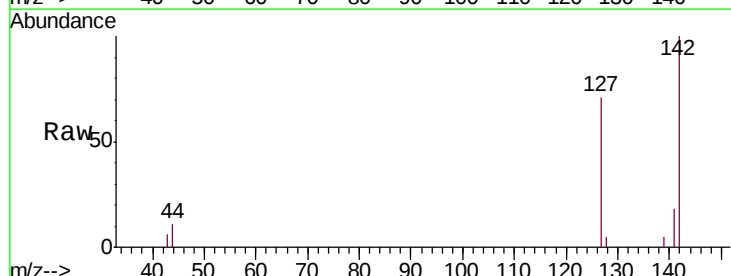
Tgt Ion:142 Resp: 21443

Ion Ratio Lower Upper

142 100

127 71.4 53.6 80.4

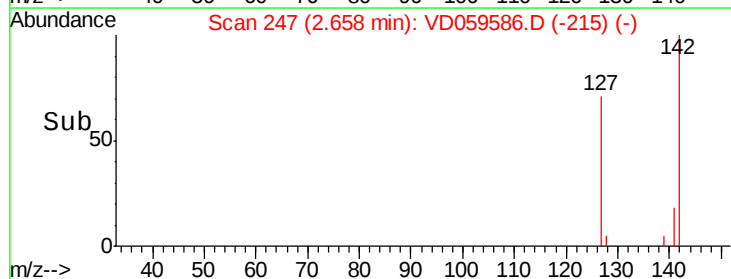
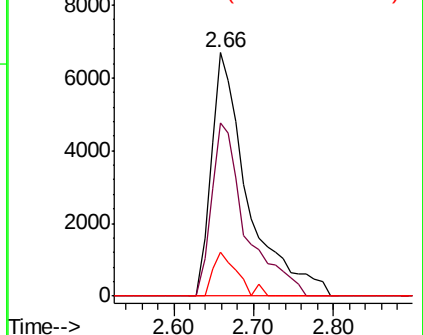
141 17.9 12.2 18.2

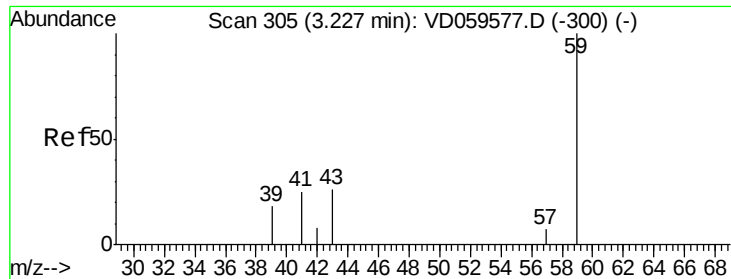


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

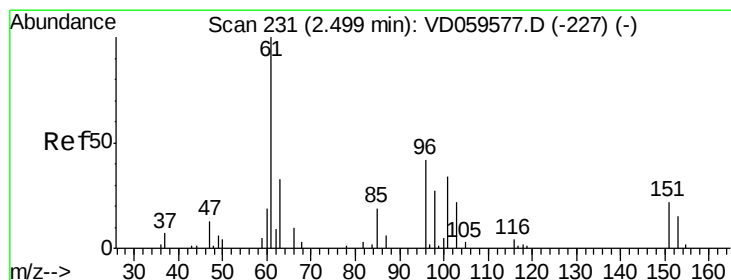
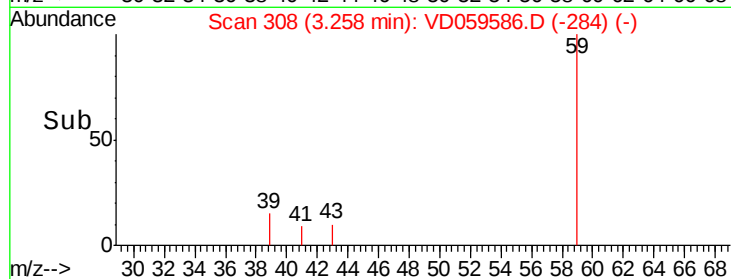
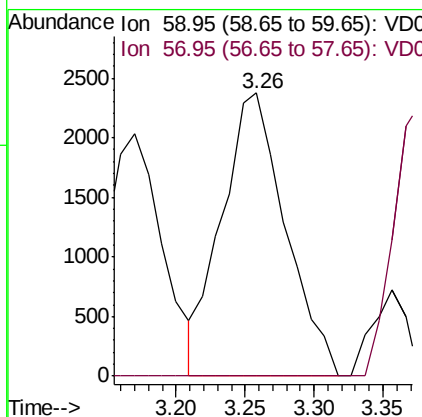
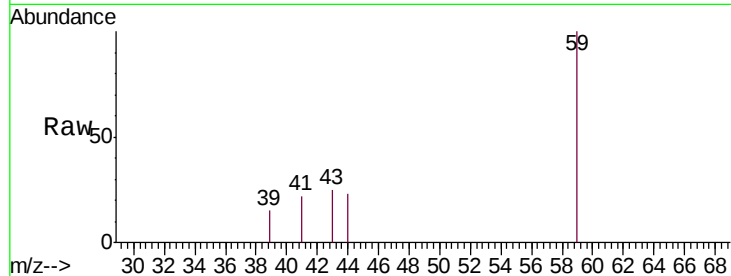




#11
Tert butyl alcohol
Concen: 103.83 ug/l
RT: 3.26 min Scan# 308
Delta R.T. 0.03 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

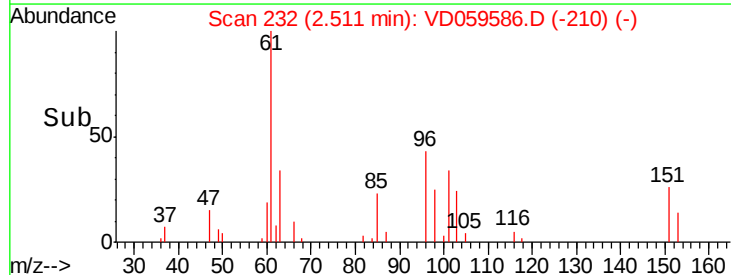
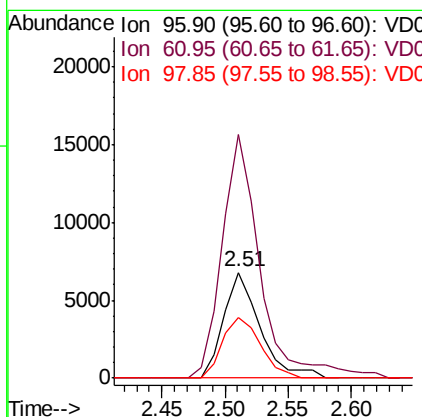
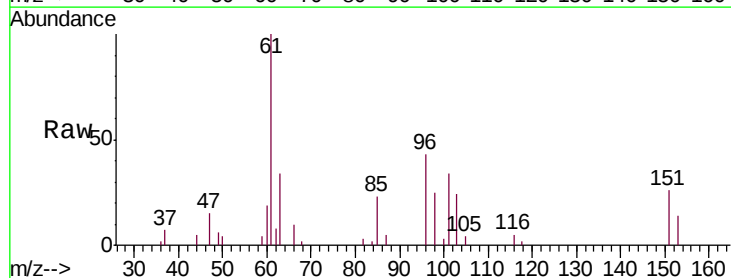
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

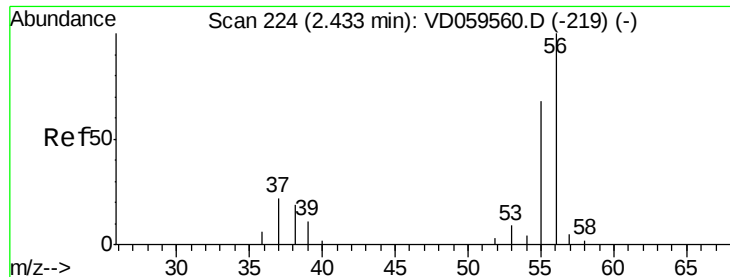
Tot Ion: 59 Resp: 7619
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#



#12
1,1-Dichloroethene
Concen: 21.76 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 96 Resp: 13490
Ion Ratio Lower Upper
96 100
61 230.5 188.8 283.2
98 57.3 51.4 77.2





#13

Acrolein

Concen: 113.72 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

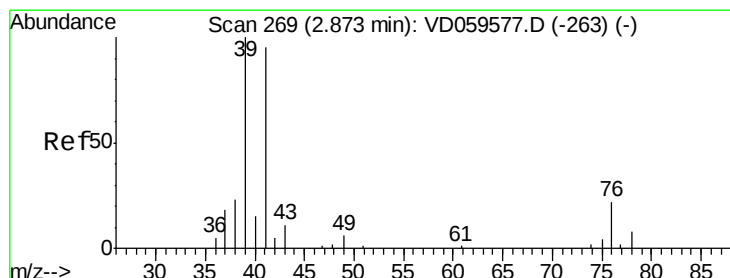
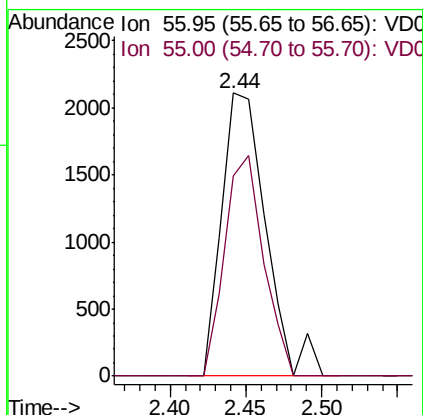
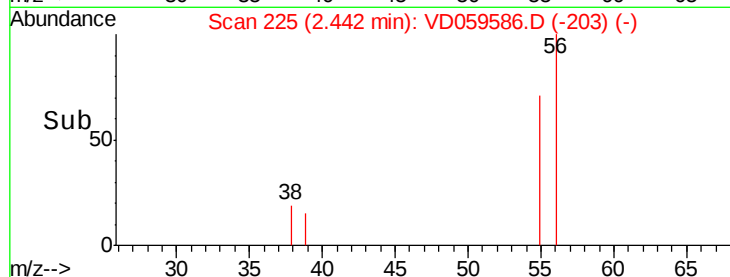
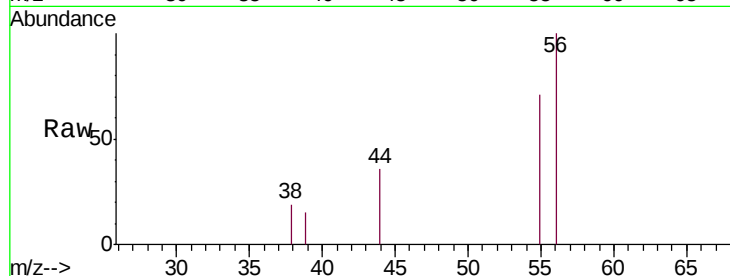
VD0725SBSD01

Tot Ion: 56 Resp: 4299

Ion Ratio Lower Upper

56 100

55 70.7 69.1 103.7



#14

Allyl chloride

Concen: 20.69 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.02 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

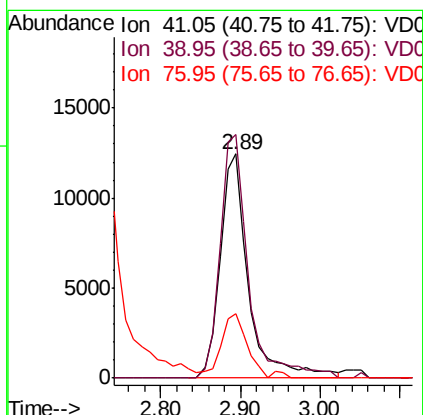
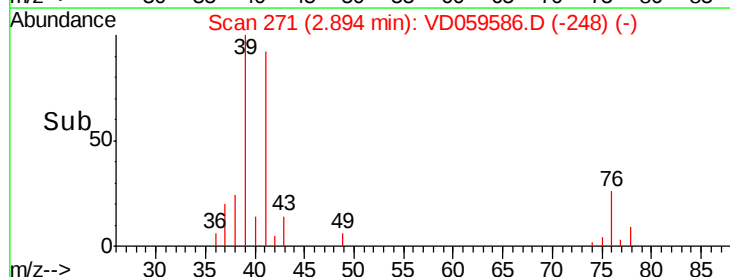
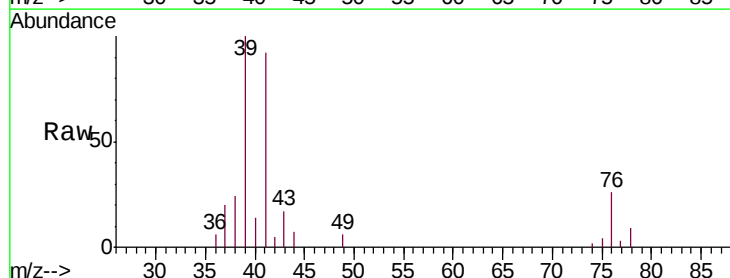
Tgt Ion: 41 Resp: 31103

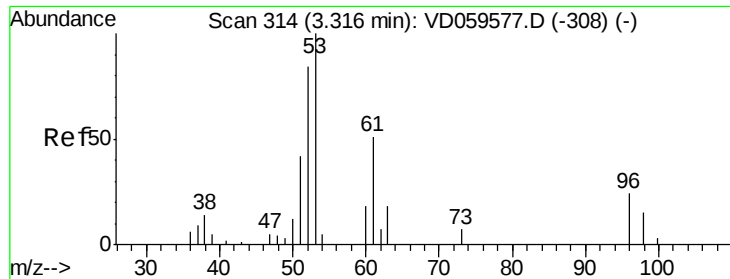
Ion Ratio Lower Upper

41 100

39 108.7 83.8 125.8

76 28.8 22.2 33.4





#15

Acrylonitrile

Concen: 95.12 ug/l

RT: 3.33 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

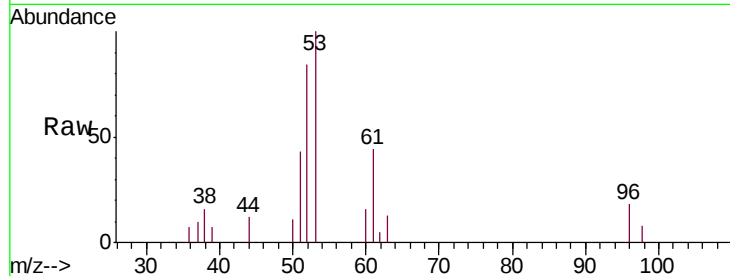
Tot Ion: 53 Resp: 15137

Ion Ratio Lower Upper

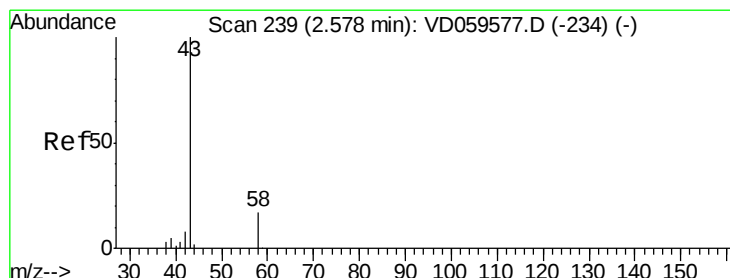
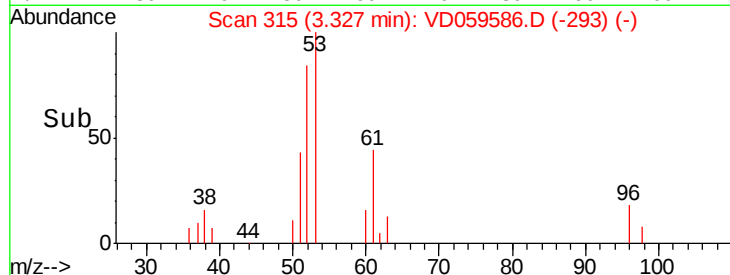
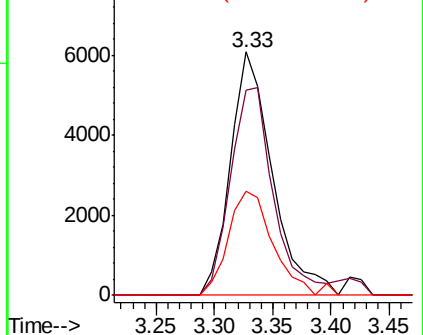
53 100

52 84.3 67.6 101.4

51 42.6 33.7 50.5



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: 100.65 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059586.D

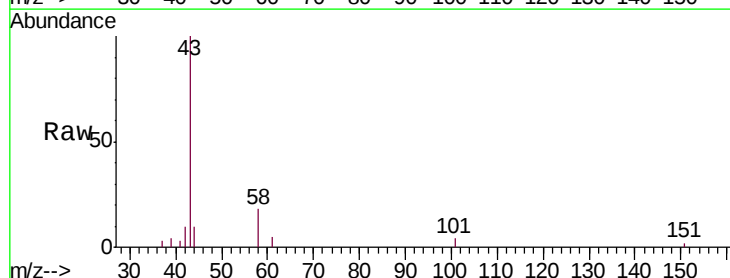
Acq: 25 Jul 2018 13:37

Tgt Ion: 43 Resp: 27958

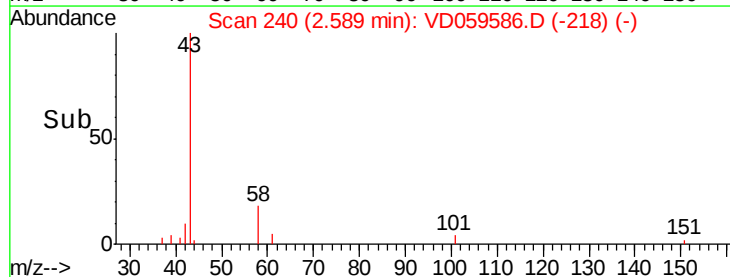
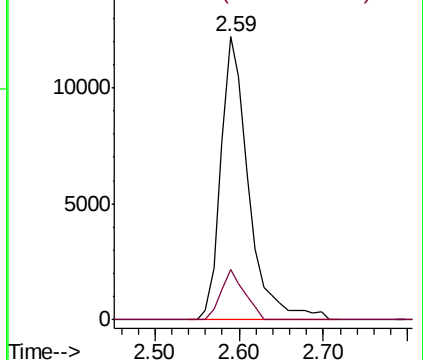
Ion Ratio Lower Upper

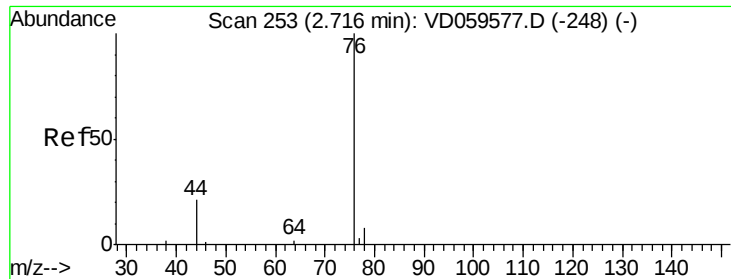
43 100

58 17.7 13.4 20.0



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

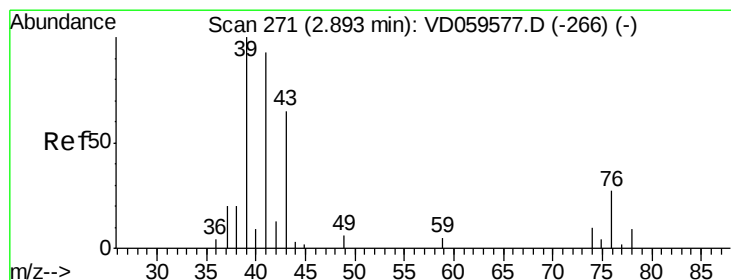
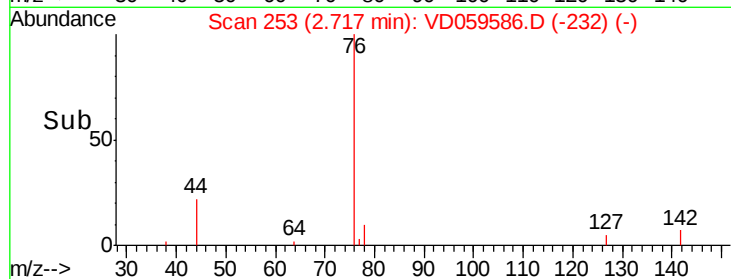
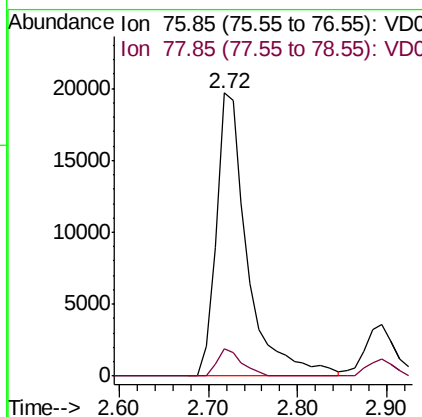
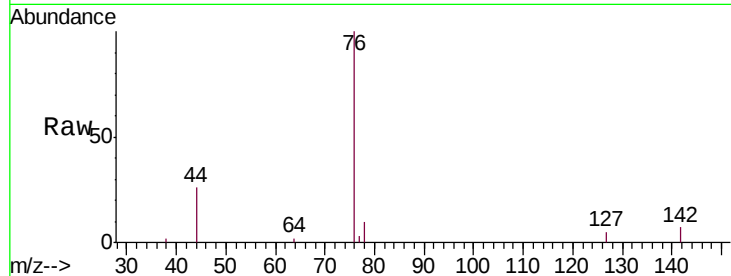




#17
Carbon Disulfide
Concen: 19.48 ug/l
RT: 2.72 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

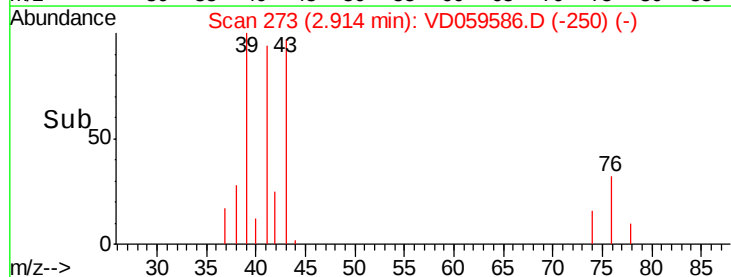
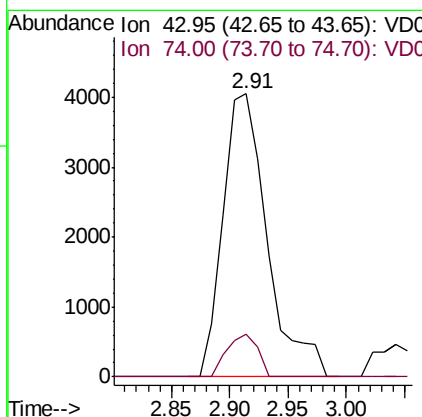
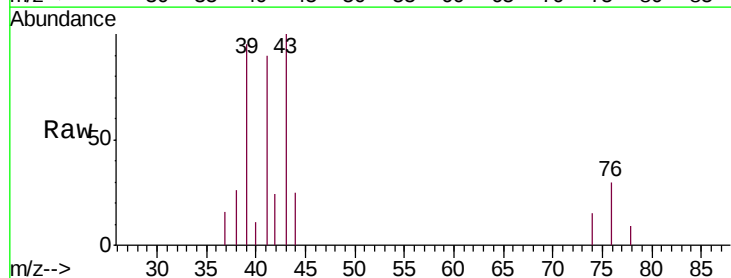
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

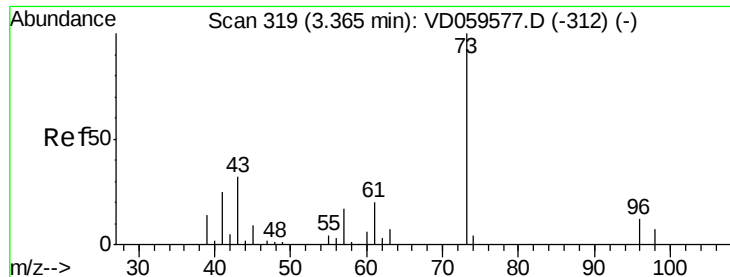
Tot Ion: 76 Resp: 47984
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 19.19 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 43 Resp: 10660
Ion Ratio Lower Upper
43 100
74 14.9 13.0 19.4

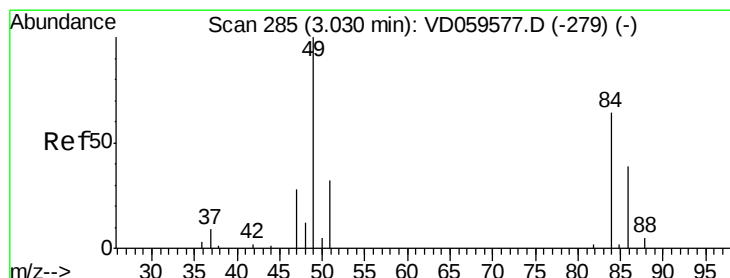
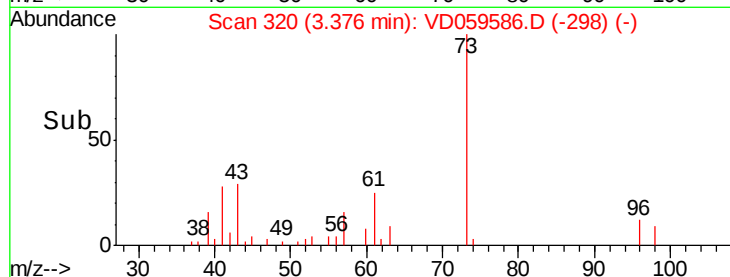
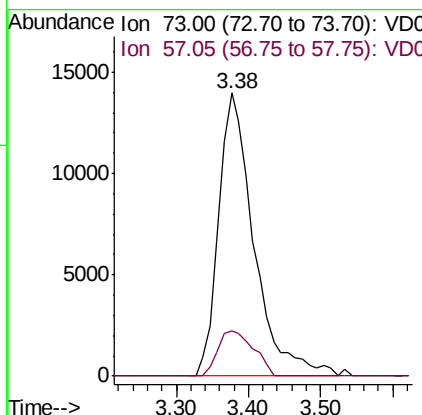
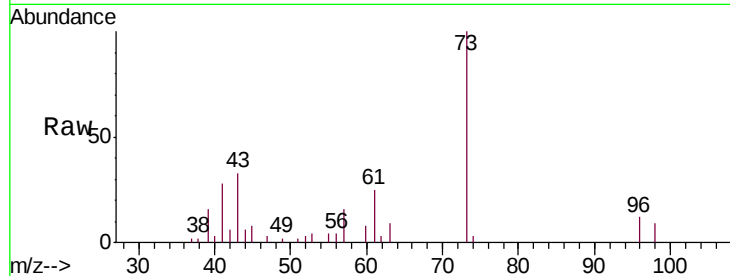




#19
Methyl tert-butyl Ether
Concen: 22.76 ug/l
RT: 3.38 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

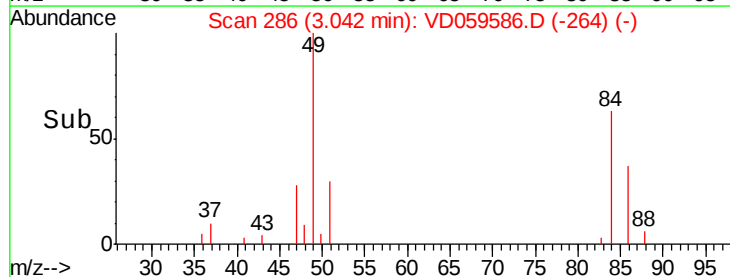
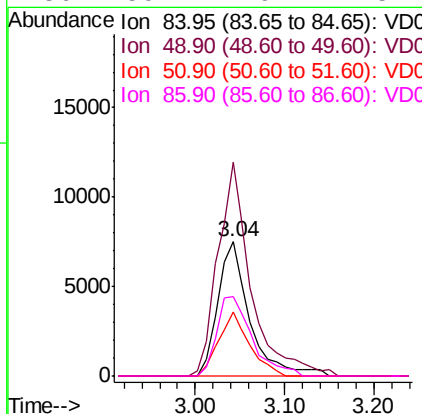
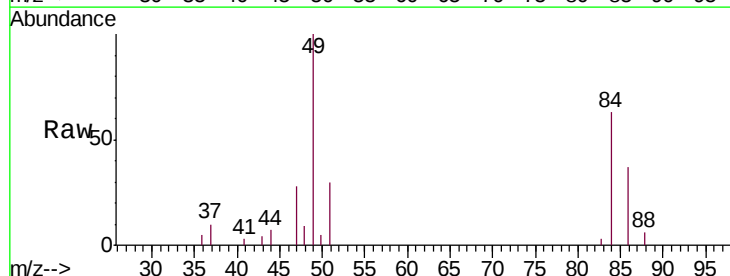
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

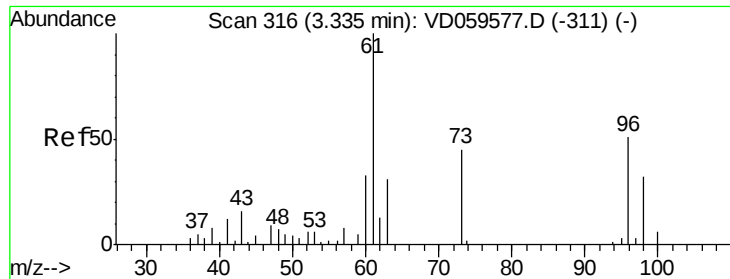
Tot Ion: 73 Resp: 47299
Ion Ratio Lower Upper
73 100
57 16.2 13.4 20.2



#20
Methylene Chloride
Concen: 23.69 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 84 Resp: 18765
Ion Ratio Lower Upper
84 100
49 159.6 125.4 188.2
51 47.8 39.7 59.5
86 59.4 49.1 73.7

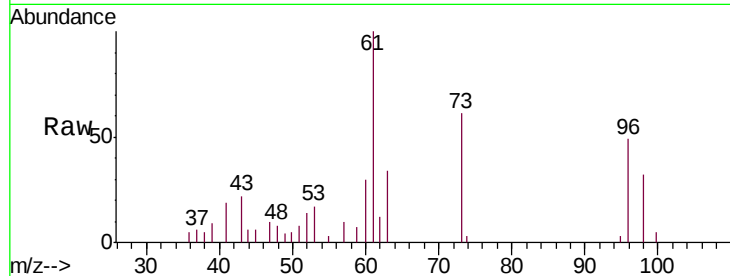




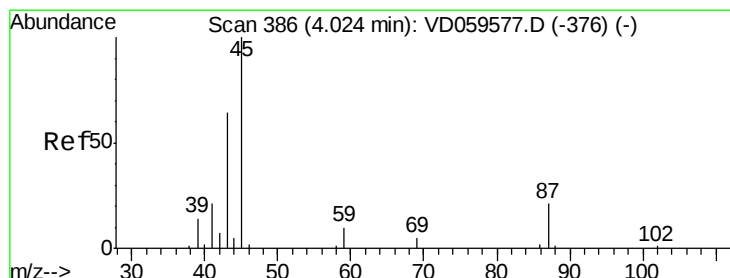
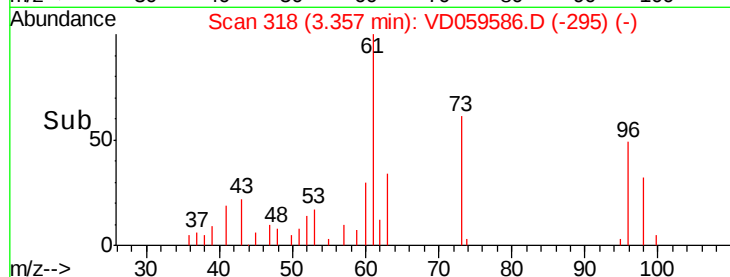
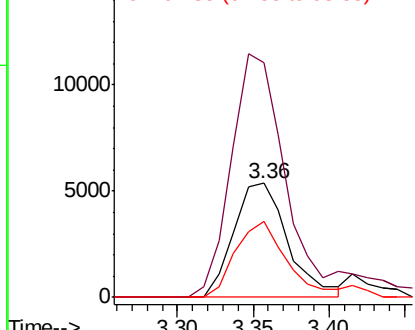
#21
trans-1,2-Dichloroethene
Concen: 20.06 ug/l
RT: 3.36 min Scan# 318
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

Tot Ion: 96 Resp: 13415
Ion Ratio Lower Upper
96 100
61 205.8 155.8 233.6
98 66.5 49.1 73.7

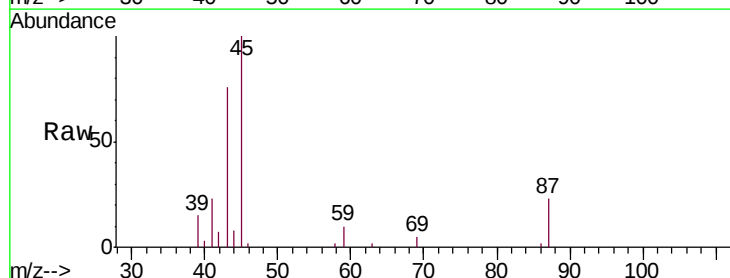


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

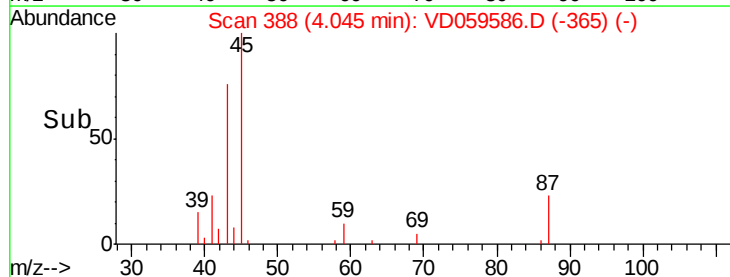
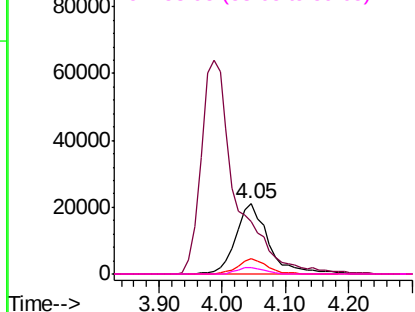


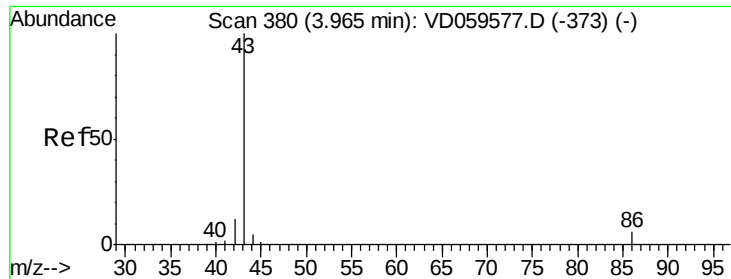
#22
Diisopropyl ether
Concen: 18.88 ug/l
RT: 4.05 min Scan# 388
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 45 Resp: 74628
Ion Ratio Lower Upper
45 100
43 75.9 59.4 89.2
87 22.8 16.7 25.1
59 10.1 8.2 12.4



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





#23

Vinyl Acetate

Concen: 96.07 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

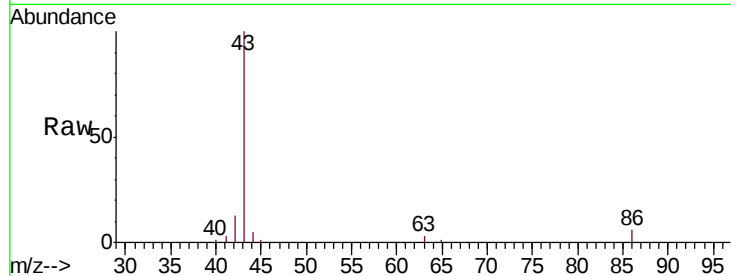
VD0725SBS01

Tot Ion: 43 Resp: 241044

Ion Ratio Lower Upper

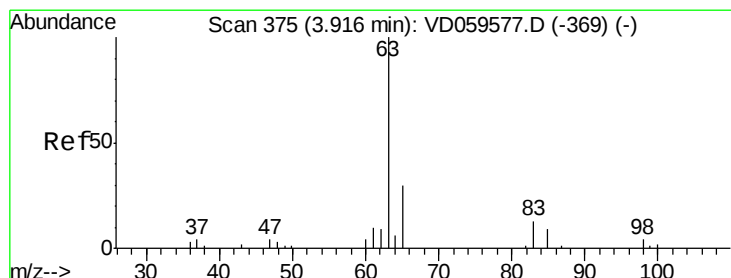
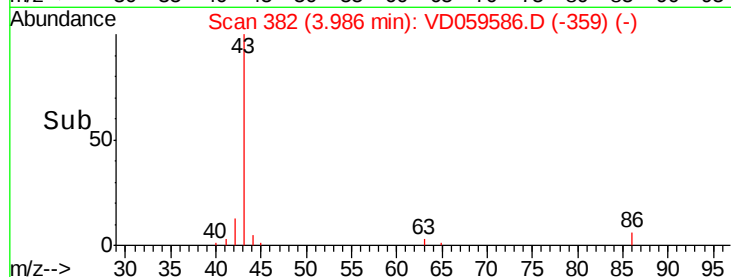
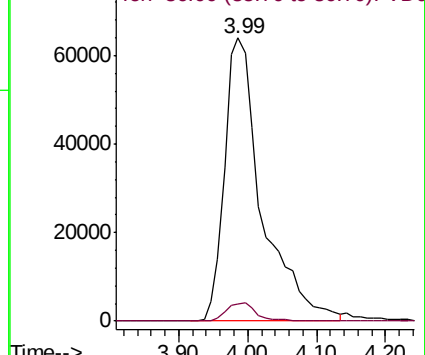
43 100

86 6.2 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VD059577.D (-373) (-)

Ion 86.00 (85.70 to 86.70): VD059577.D (-373) (-)



#24

1,1-Dichloroethane

Concen: 20.69 ug/l

RT: 3.94 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

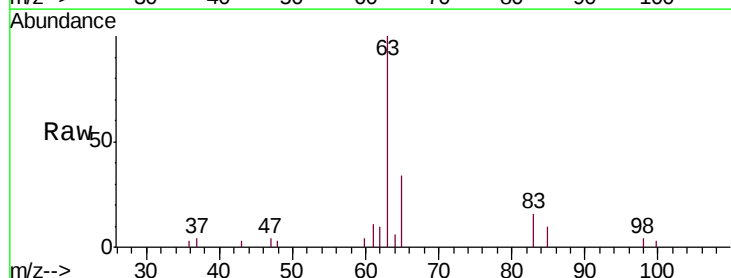
Tgt Ion: 63 Resp: 51629

Ion Ratio Lower Upper

63 100

98 4.1 1.8 5.5

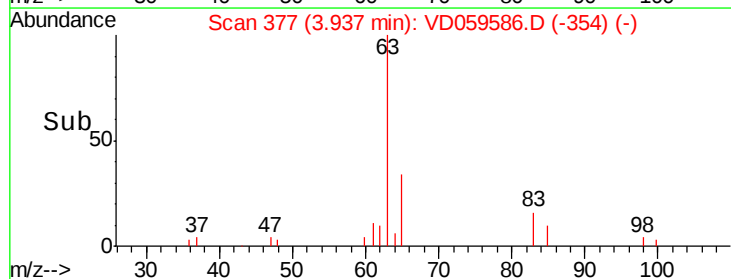
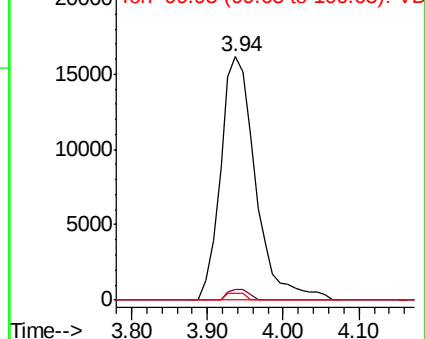
100 2.6 1.1 3.3

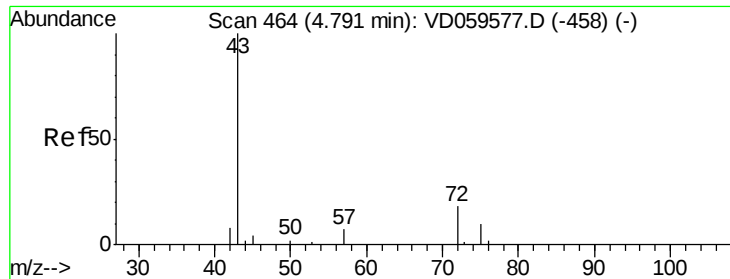


Abundance Ion 62.95 (62.65 to 63.65): VD059577.D (-369) (-)

Ion 97.95 (97.65 to 98.65): VD059577.D (-369) (-)

Ion 99.95 (99.65 to 100.65): VD059577.D (-369) (-)





#25

2-Butanone

Concen: 95.31 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

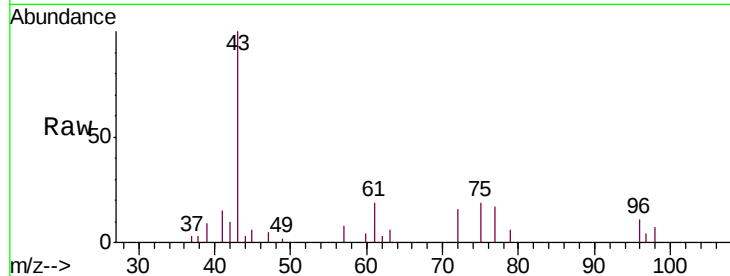
VD0725SBS01

Tot Ion: 43 Resp: 40372

Ion Ratio Lower Upper

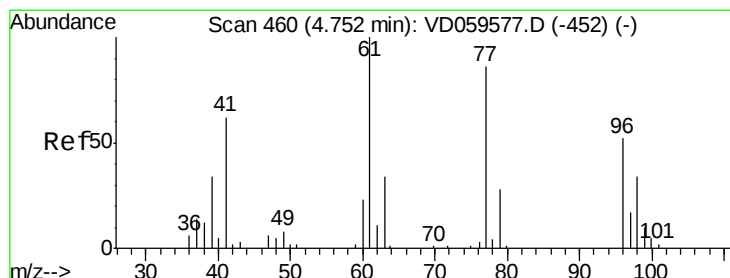
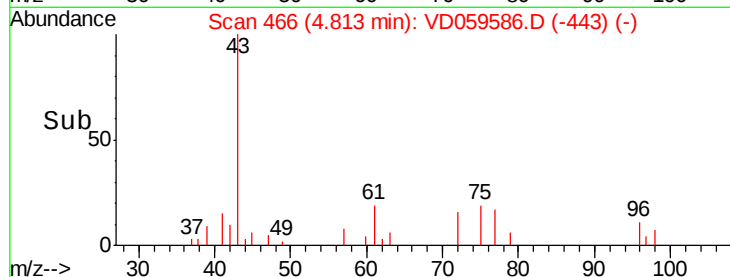
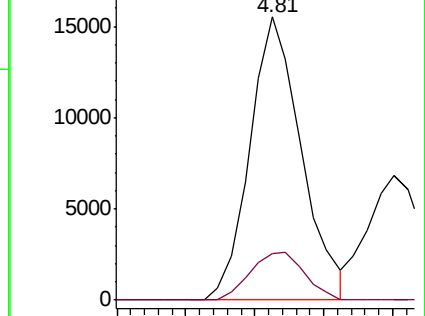
43 100

72 16.4 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.06 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.01 min

Lab File: VD059586.D

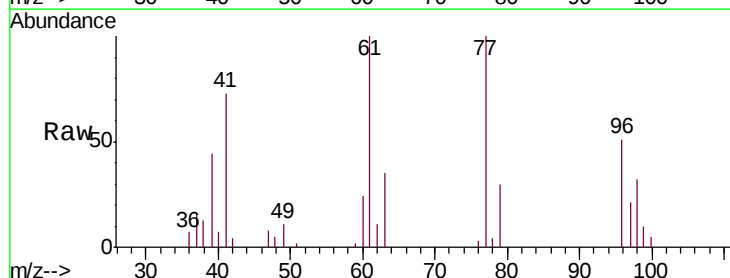
Acq: 25 Jul 2018 13:37

Tgt Ion: 77 Resp: 53827

Ion Ratio Lower Upper

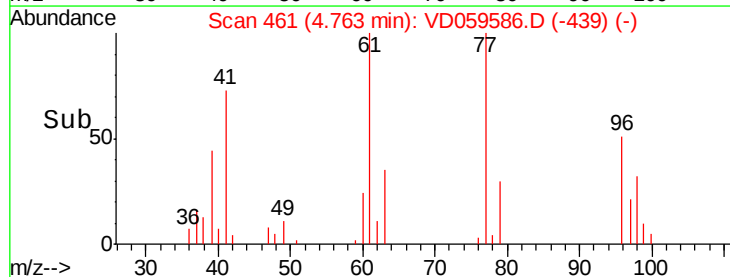
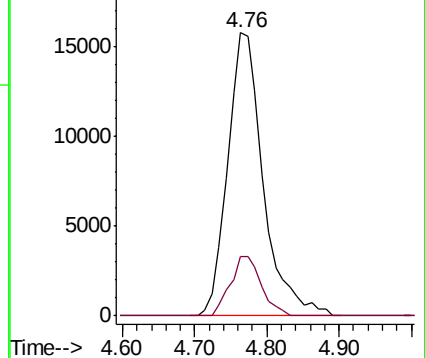
77 100

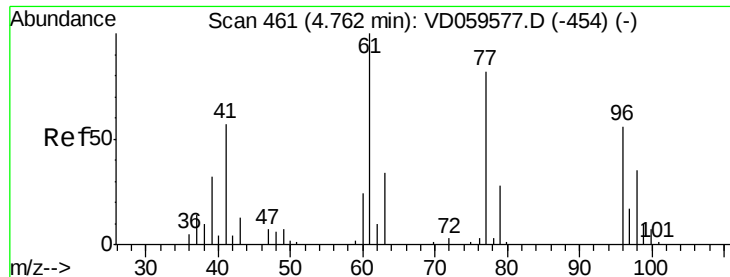
97 20.9 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



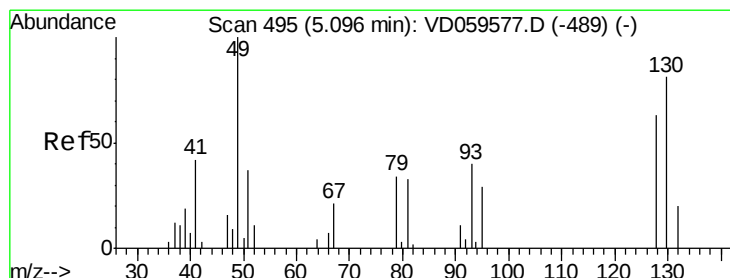
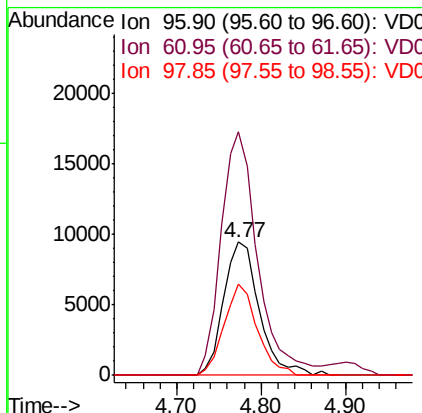
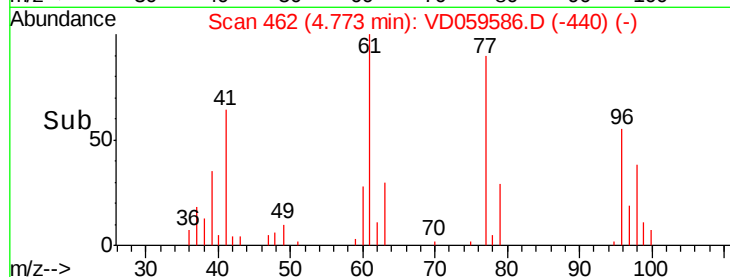
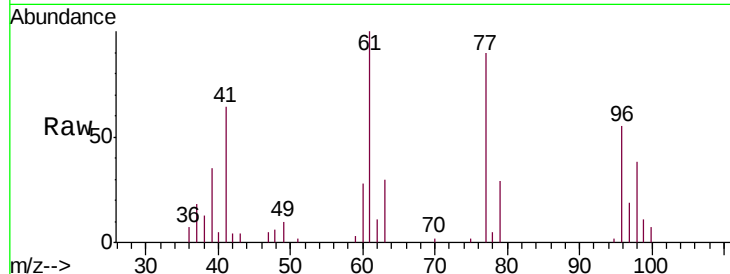


#27

cis-1,2-Dichloroethene
 Concen: 20.83 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

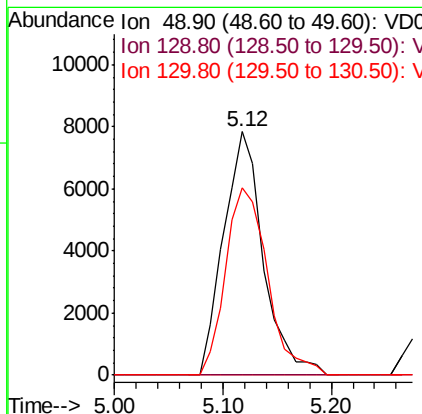
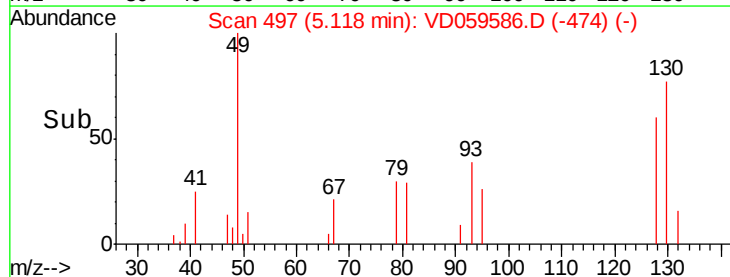
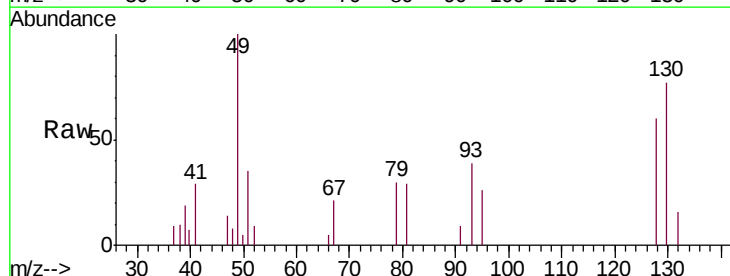
Tot Ion: 96 Resp: 27816
 Ion Ratio Lower Upper
 96 100
 61 183.1 0.0 355.0
 98 69.1 0.0 125.8

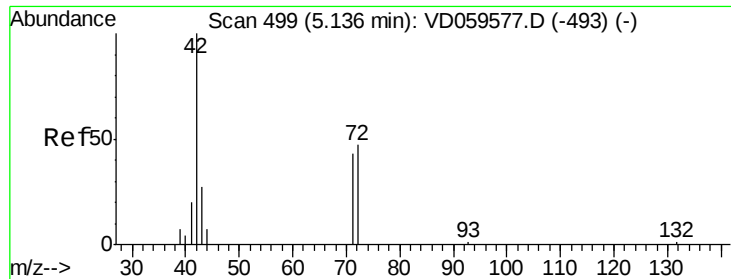


#28

Bromochloromethane
 Concen: 20.24 ug/l
 RT: 5.12 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion: 49 Resp: 19984
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 76.8 64.6 96.8

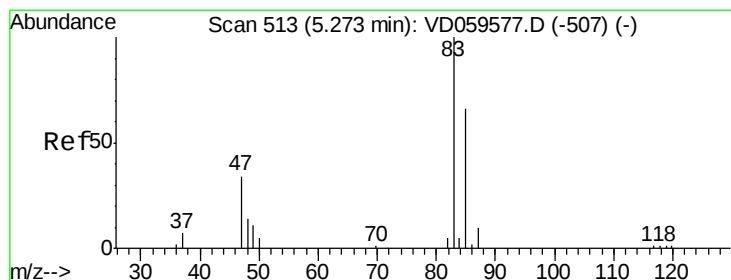
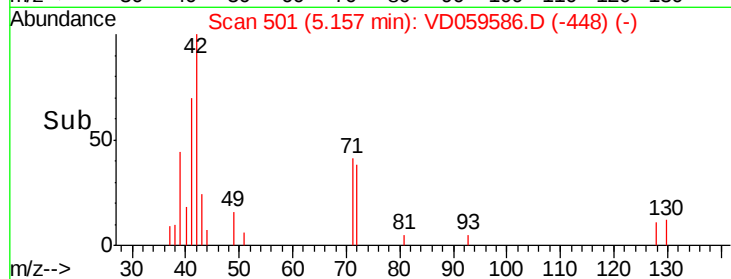
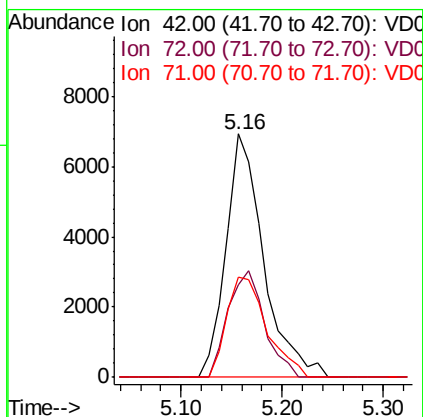
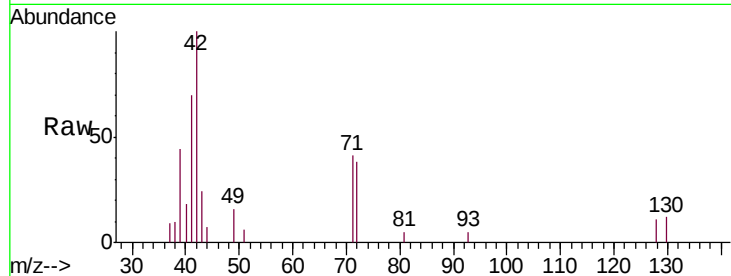




#29
Tetrahydrofuran
Concen: 91.65 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

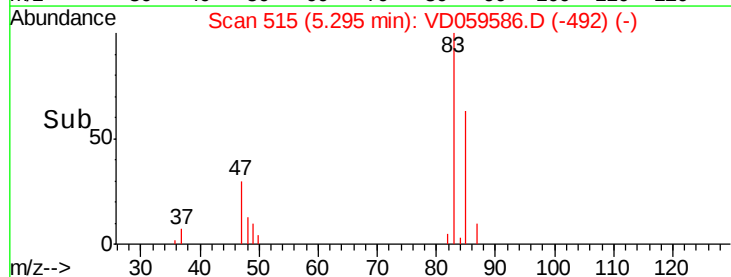
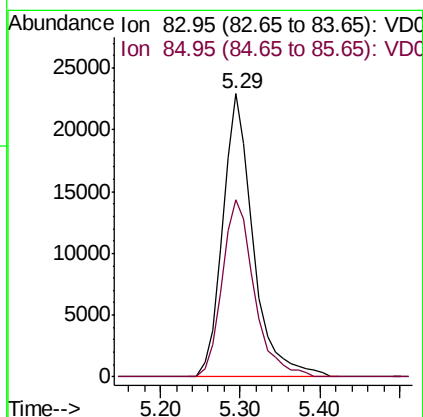
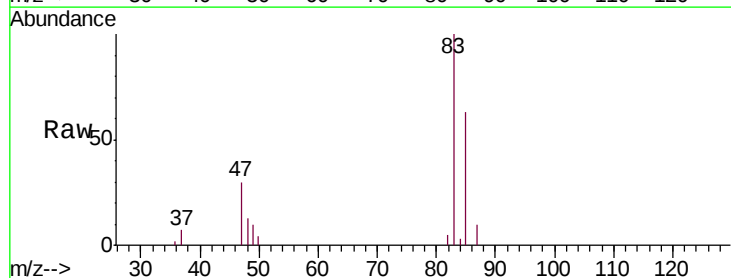
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

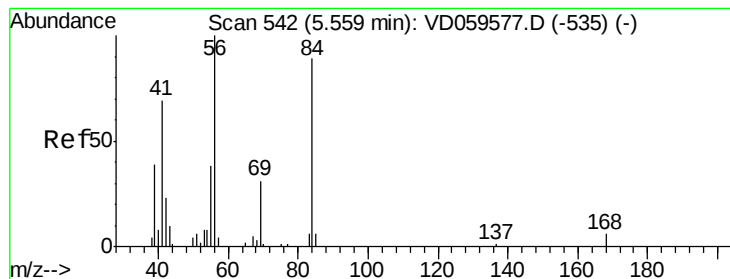
Tot Ion: 42 Resp: 17975
Ion Ratio Lower Upper
42 100
72 42.4 35.0 52.4
71 43.7 34.2 51.2



#30
Chloroform
Concen: 20.51 ug/l
RT: 5.29 min Scan# 515
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 83 Resp: 61210
Ion Ratio Lower Upper
83 100
85 62.6 53.0 79.6





#31

Cvclohexane

Concen: 18.49 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

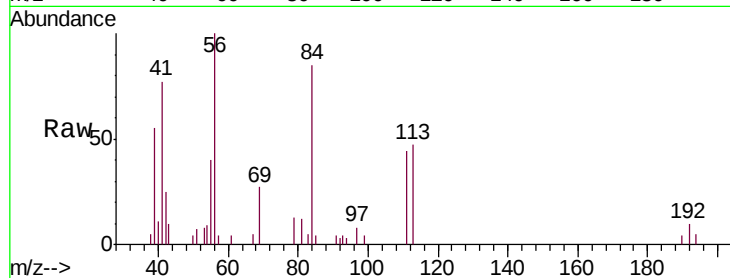
Tot Ion: 56 Resp: 35239

Ion Ratio Lower Upper

56 100

69 27.1 24.6 37.0

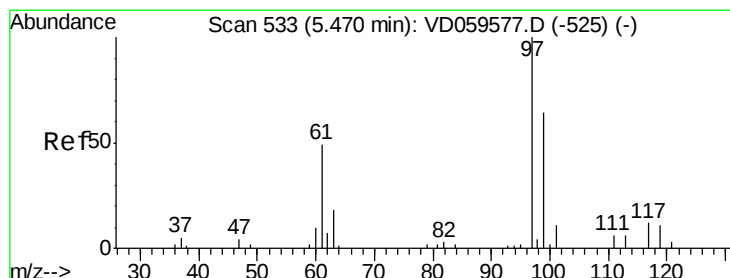
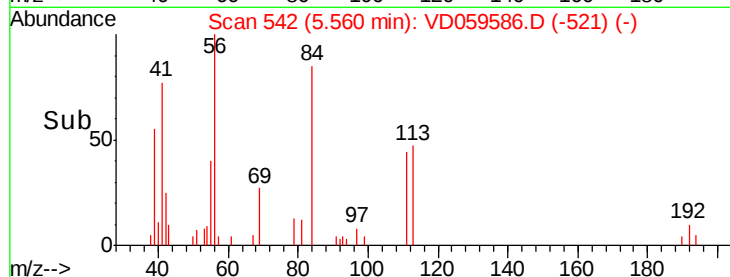
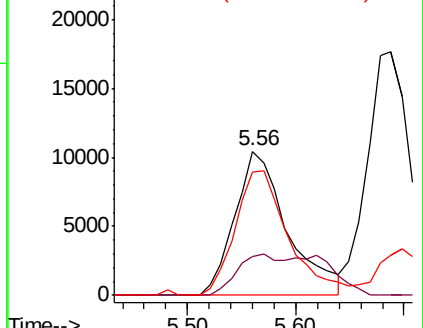
84 85.1 72.7 109.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 21.08 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

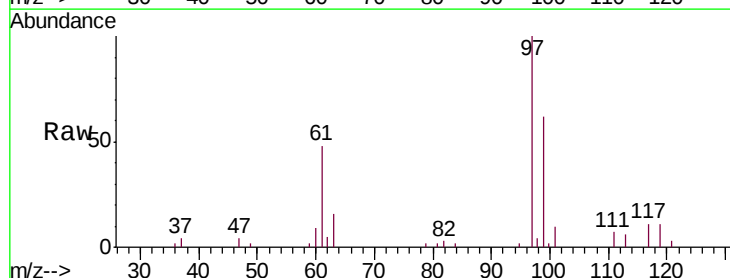
Tgt Ion: 97 Resp: 60912

Ion Ratio Lower Upper

97 100

99 62.4 50.9 76.3

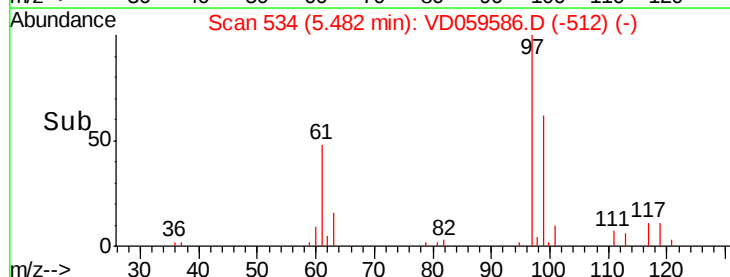
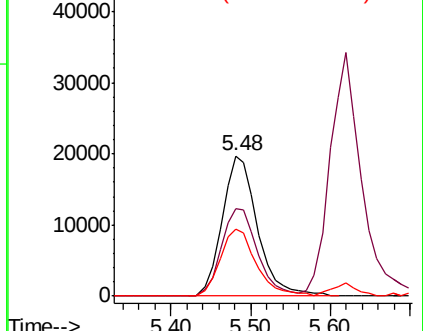
61 47.8 39.2 58.8

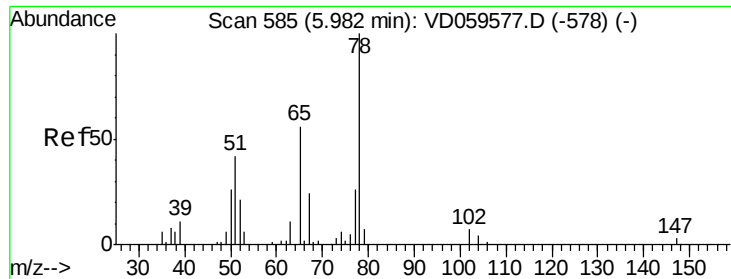


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

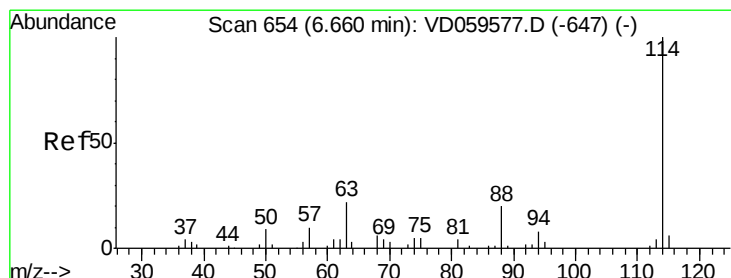
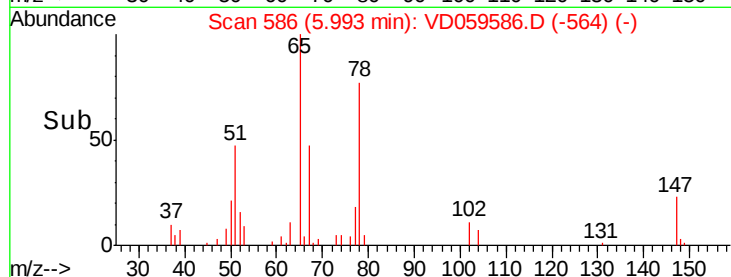
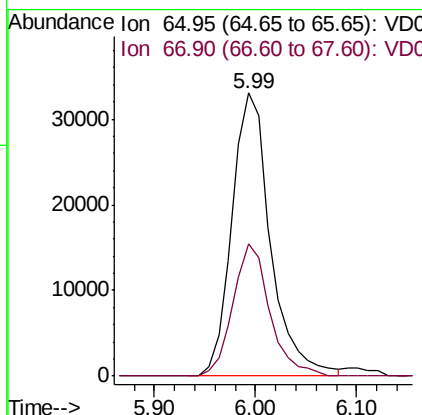
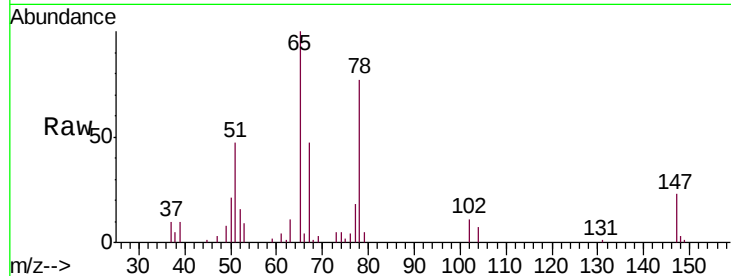




#33
 1,2-Dichloroethane-d4
 Concen: 21.08 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

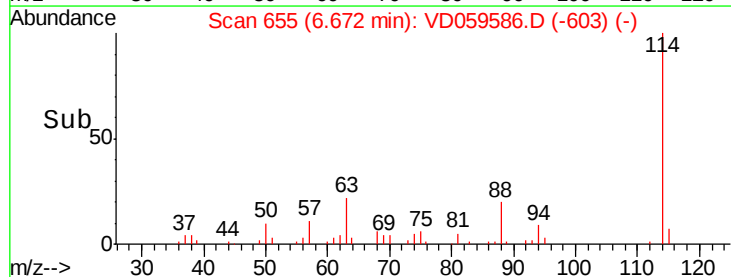
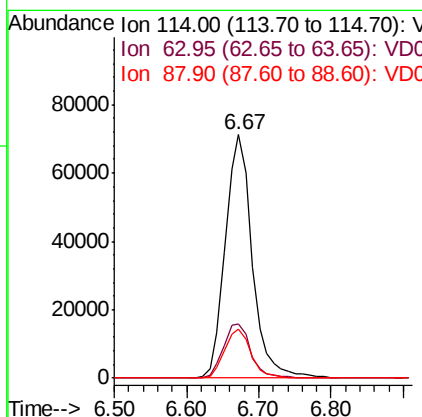
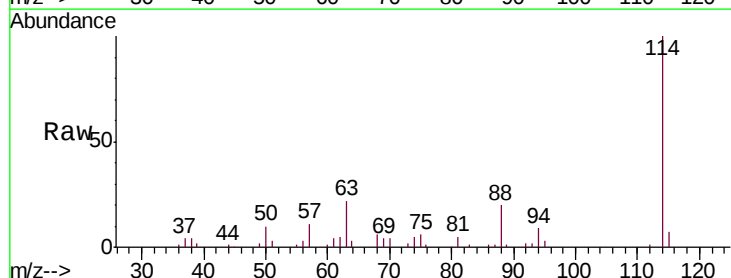
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

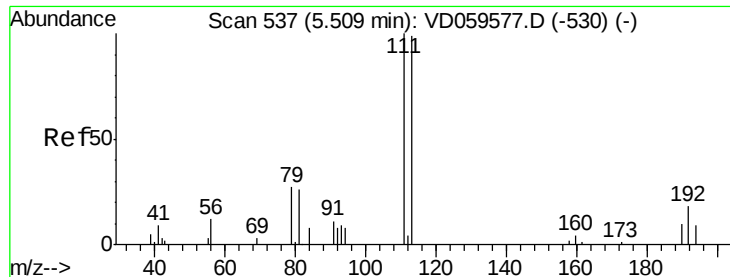
Tot Ion: 65 Resp: 87827
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion: 114 Resp: 184661
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 20.2 0.0 39.0

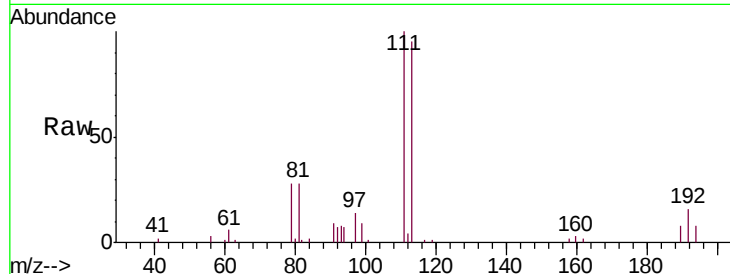




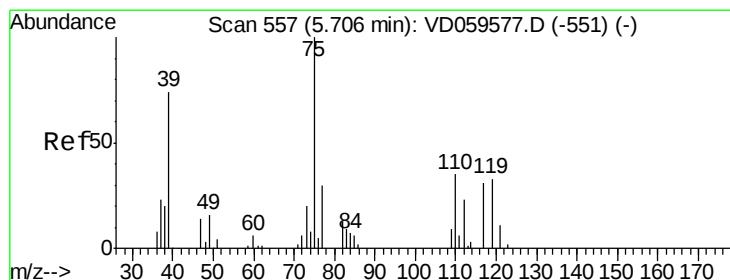
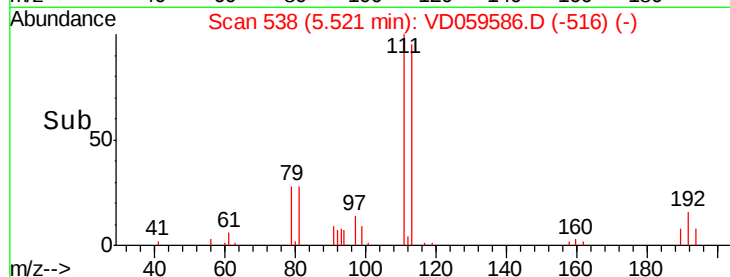
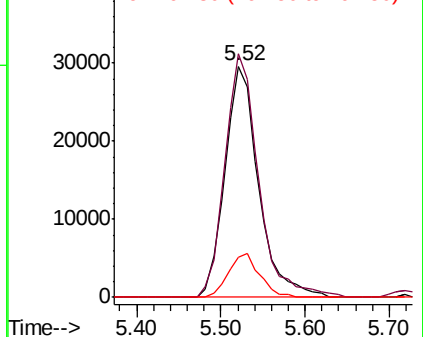
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

Tot Ion:113 Resp: 82085
Ion Ratio Lower Upper
113 100
111 105.4 80.5 120.7
192 17.3 14.5 21.7

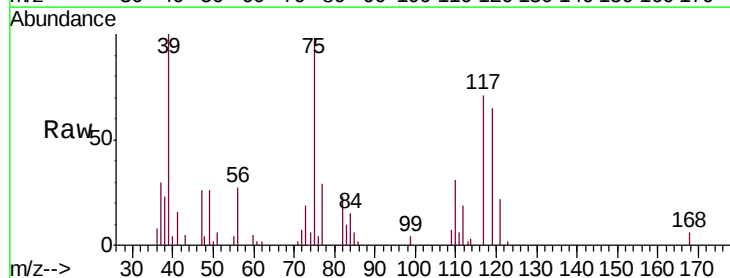


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

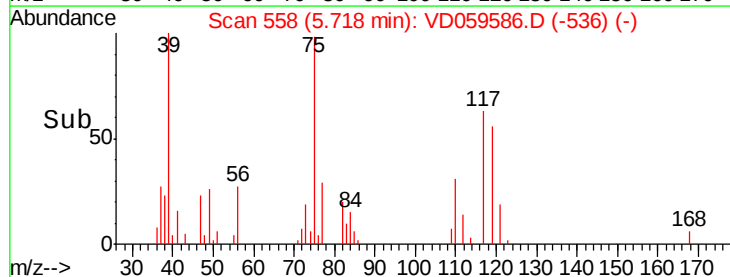
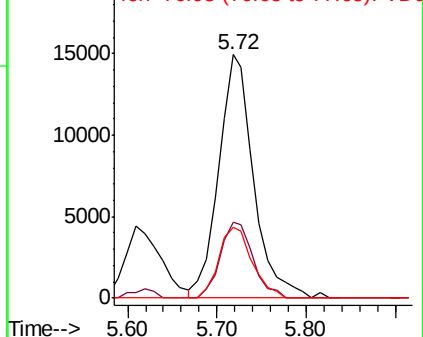


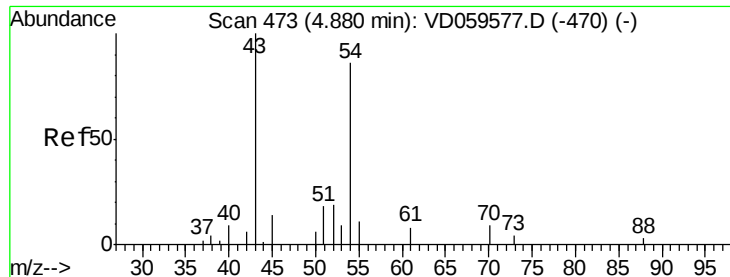
#36
1,1-Dichloropropene
Concen: 22.14 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 75 Resp: 41030
Ion Ratio Lower Upper
75 100
110 31.4 17.0 50.9
77 29.3 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

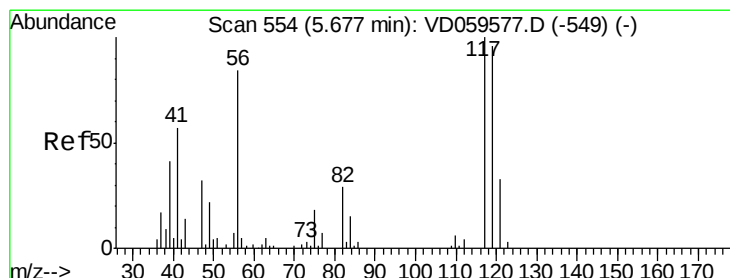
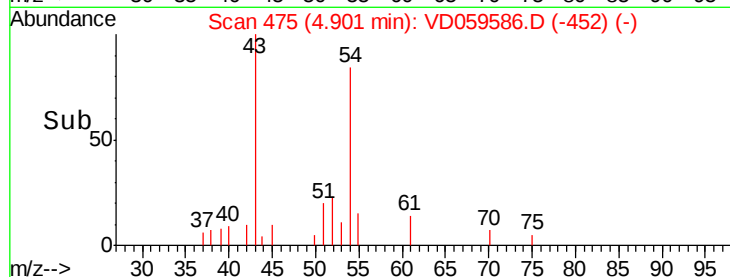
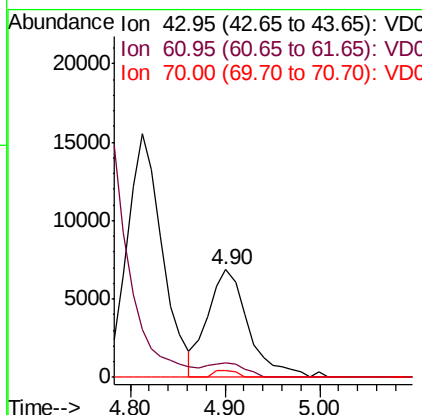
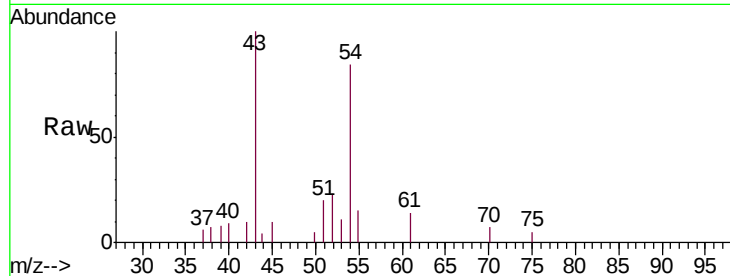




#37
Ethyl Acetate
Concen: 21.65 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

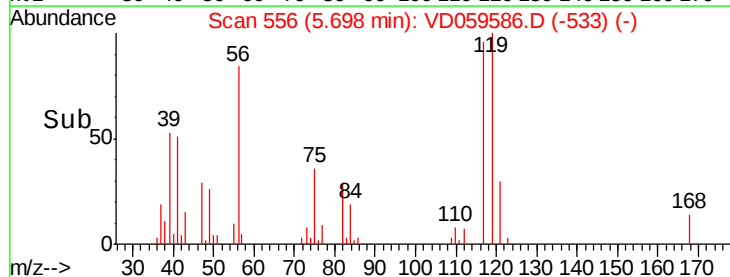
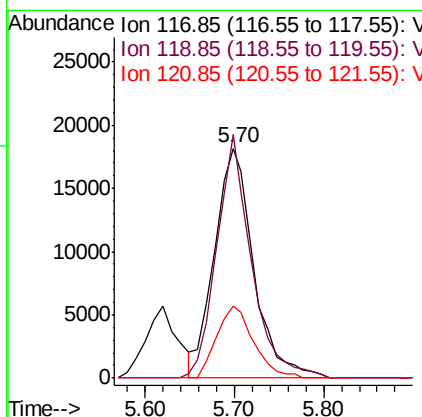
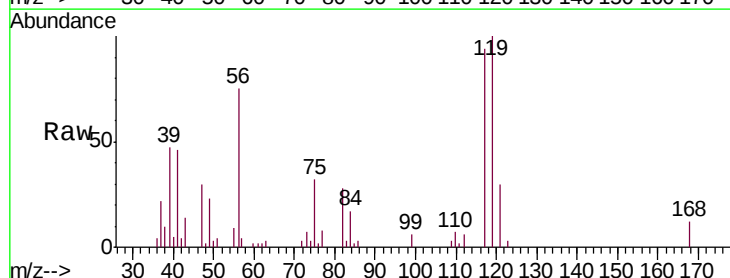
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

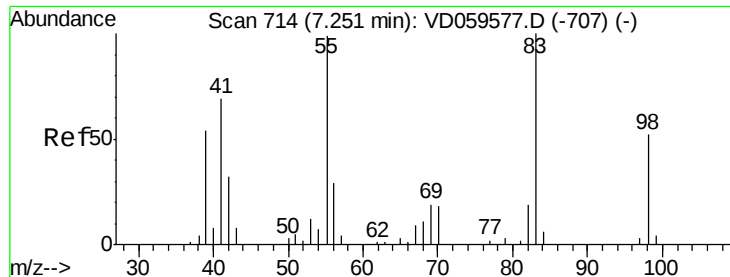
Tot Ion: 43 Resp: 20635
Ion Ratio Lower Upper
43 100
61 13.9 10.7 16.1
70 6.8 5.4 8.0



#38
Carbon Tetrachloride
Concen: 22.00 ug/l
RT: 5.70 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 117 Resp: 55810
Ion Ratio Lower Upper
117 100
119 106.0 73.6 110.4
121 31.4 25.0 37.6

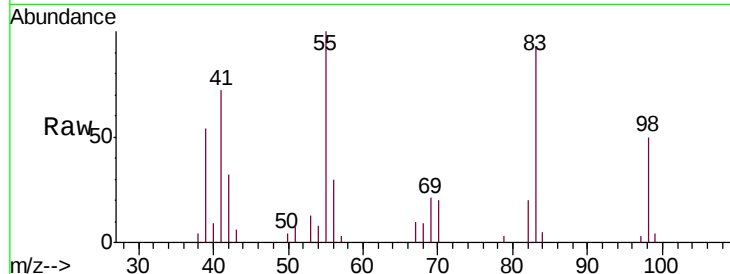




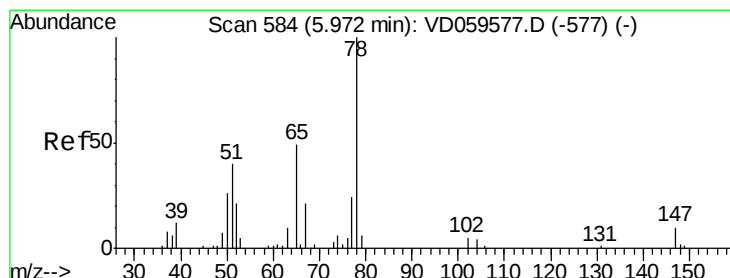
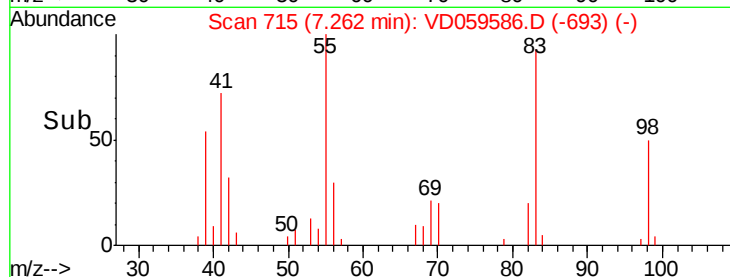
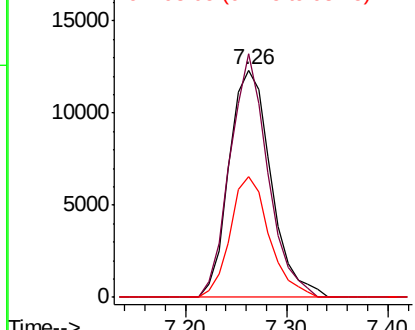
#39
Methvlcvclohexane
Concen: 20.92 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

Tot Ion: 83 Resp: 35655
Ion Ratio Lower Upper
83 100
55 107.0 79.4 119.0
98 53.1 41.6 62.4

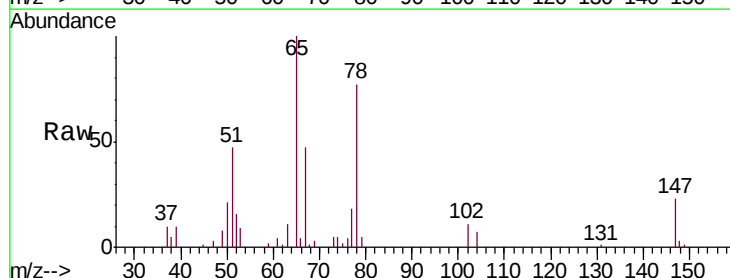


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

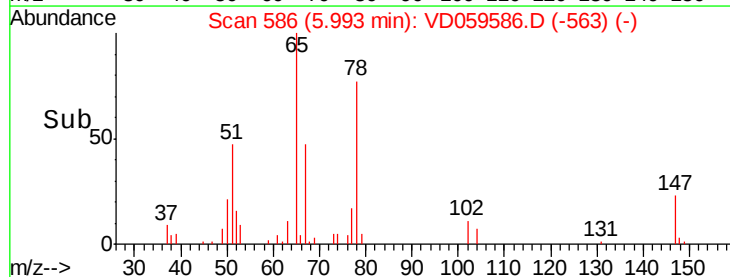
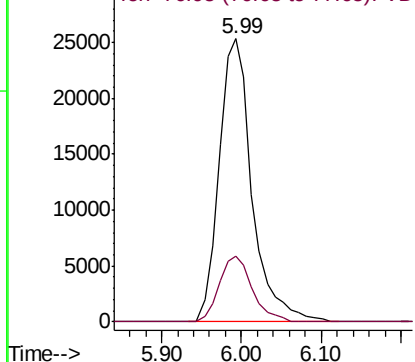


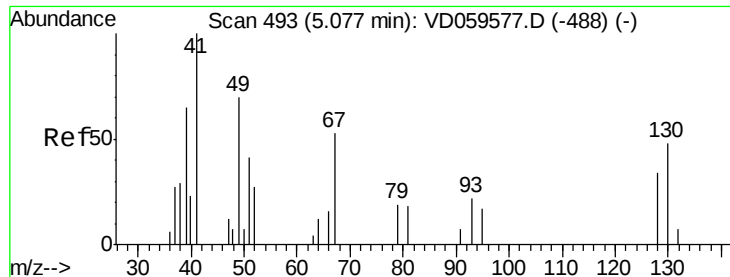
#40
Benzene
Concen: 19.21 ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 78 Resp: 73005
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

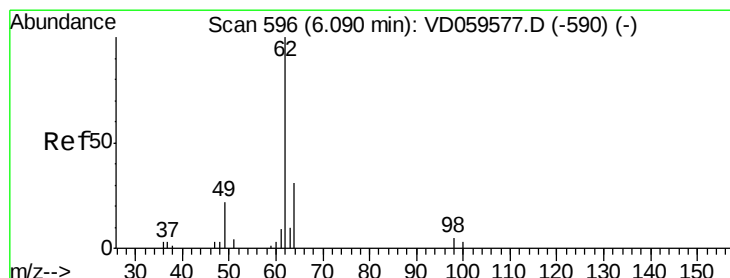
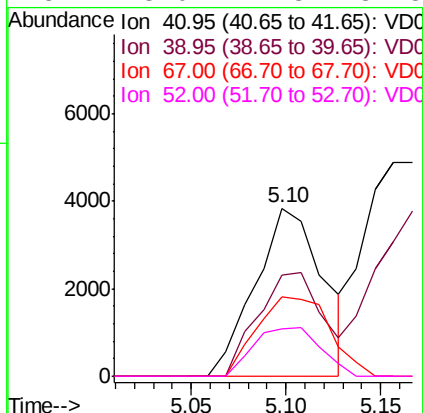
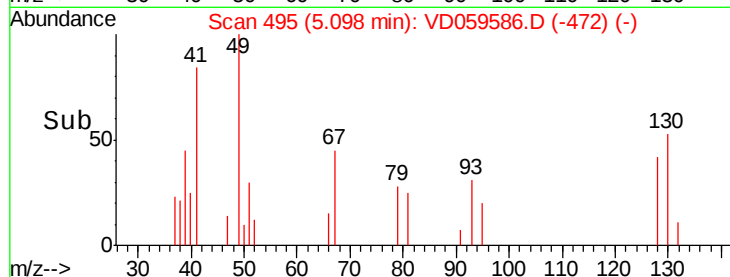
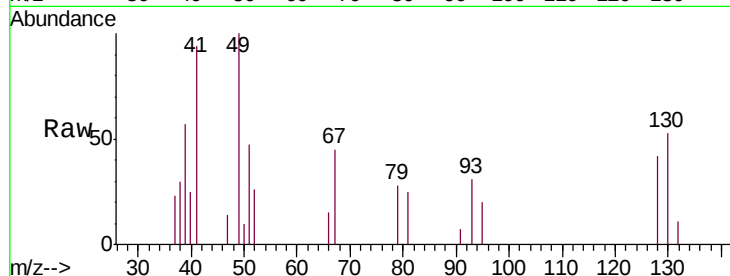




#41
Methacrylonitrile
Concen: 20.15 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

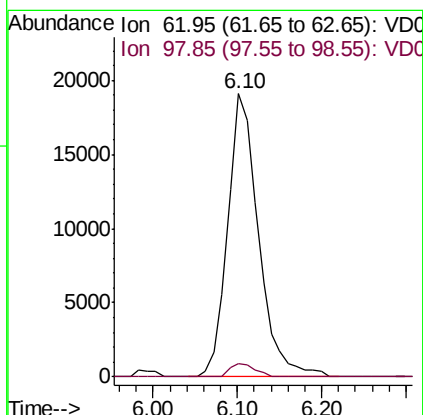
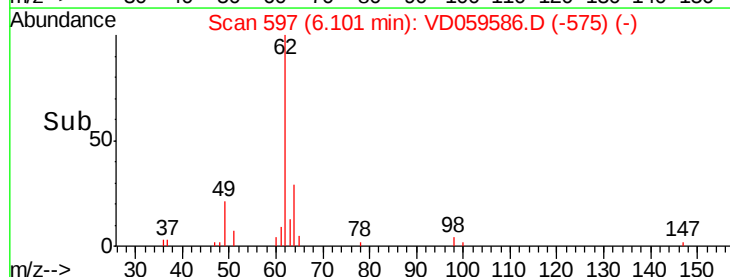
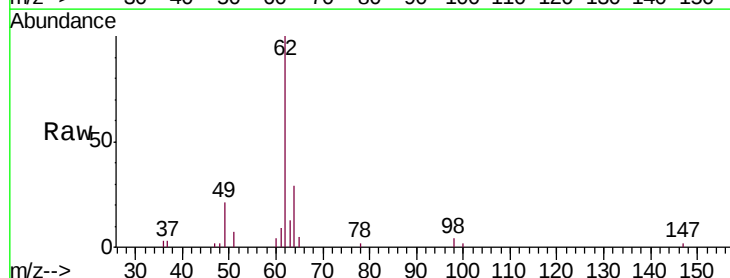
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

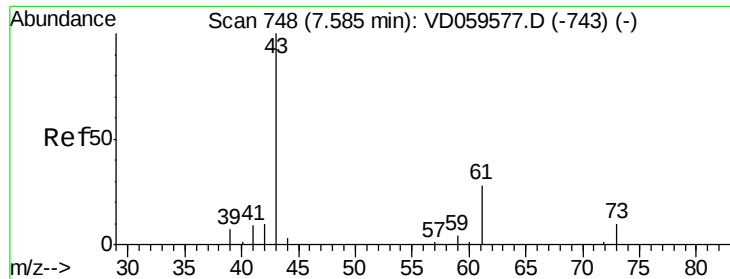
Tot Ion: 41 Resp: 9583
Ion Ratio Lower Upper
41 100
39 60.1 52.1 78.1
67 47.6 42.5 63.7
52 28.0 21.8 32.8



#42
1,2-Dichloroethane
Concen: 21.17 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 62 Resp: 48474
Ion Ratio Lower Upper
62 100
98 4.5 0.0 10.2



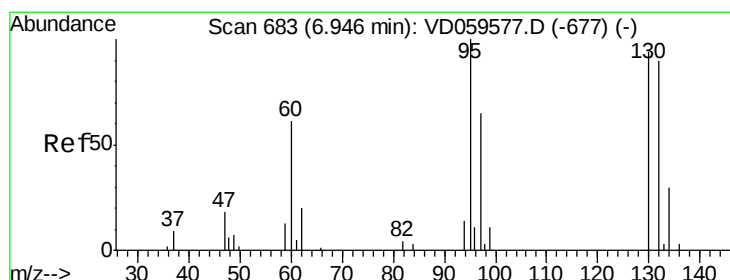
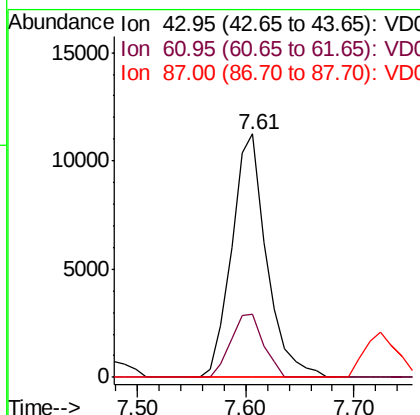
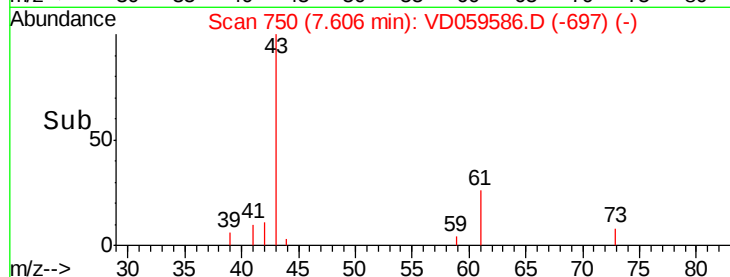
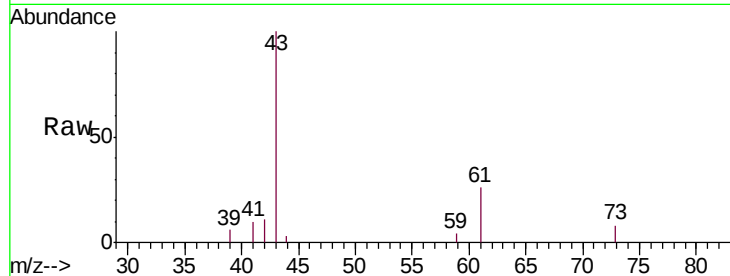


#43

Isopropyl Acetate
 Concen: 19.00 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

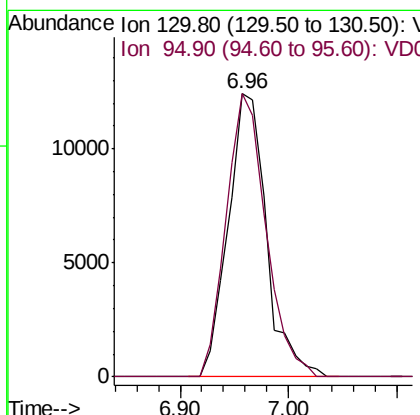
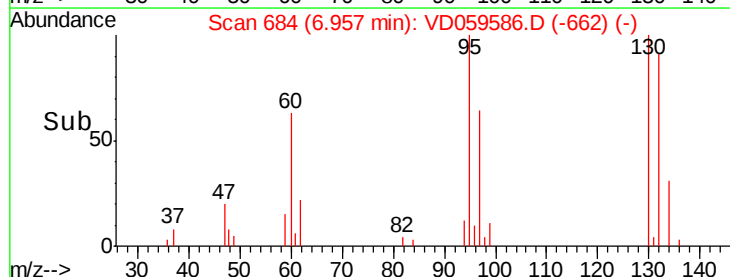
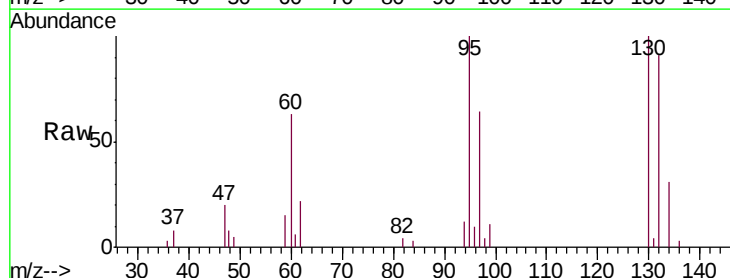
Tot Ion: 43 Resp: 25109
 Ion Ratio Lower Upper
 43 100
 61 26.1 22.0 33.0
 87 0.0 0.0 0.0

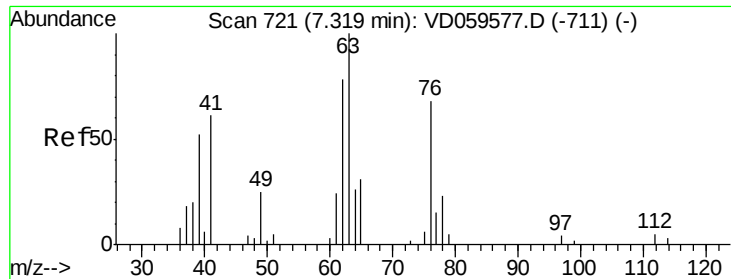


#44

Trichloroethene
 Concen: 22.03 ug/l
 RT: 6.96 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion:130 Resp: 30364
 Ion Ratio Lower Upper
 130 100
 95 100.1 0.0 213.2





#45

1,2-Dichloropropane

Concen: 20.50 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

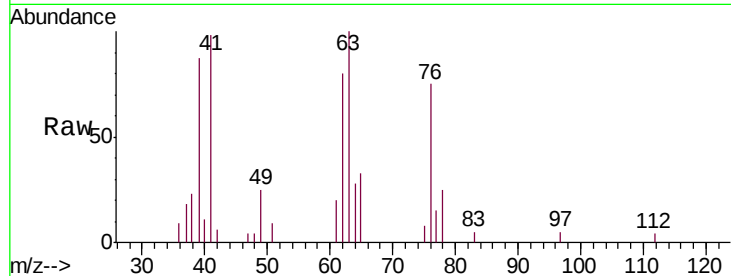
VD0725SBS01

Tot Ion: 63 Resp: 21814

Ion Ratio Lower Upper

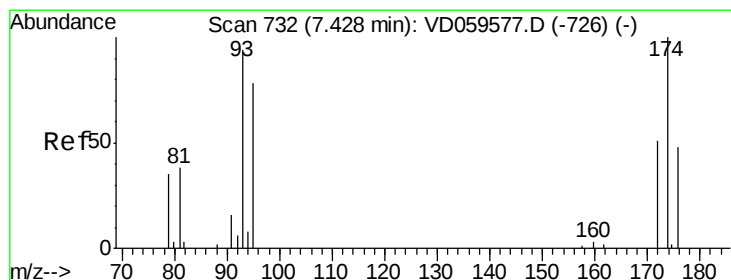
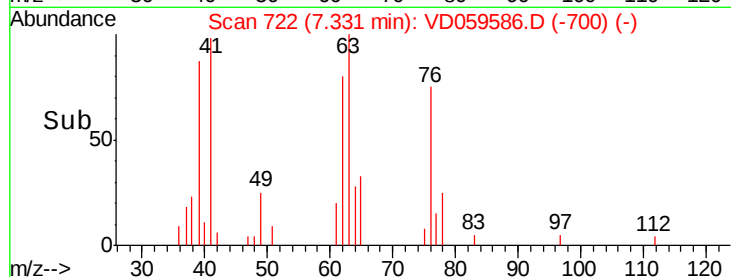
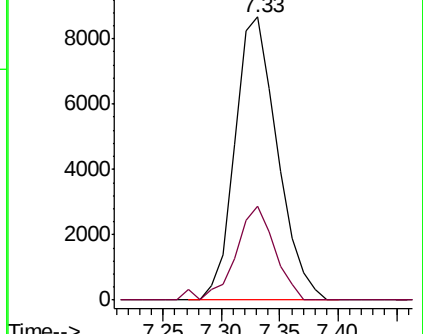
63 100

65 33.4 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.31 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

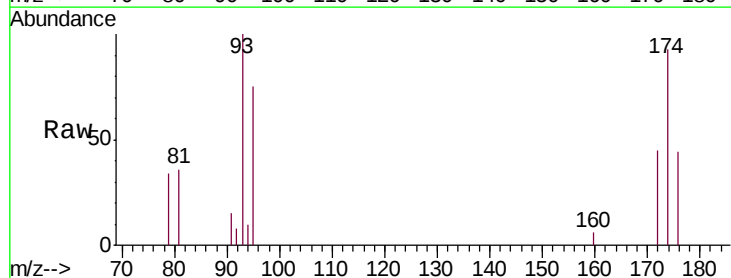
Tgt Ion: 93 Resp: 18267

Ion Ratio Lower Upper

93 100

95 74.9 65.8 98.8

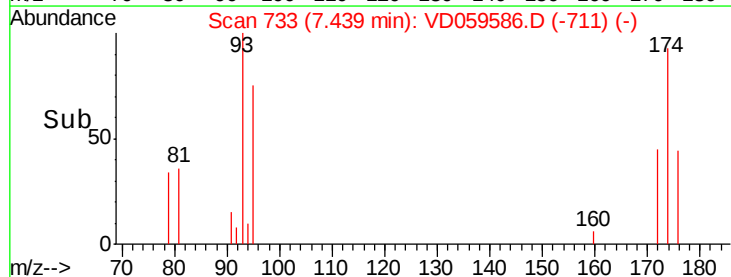
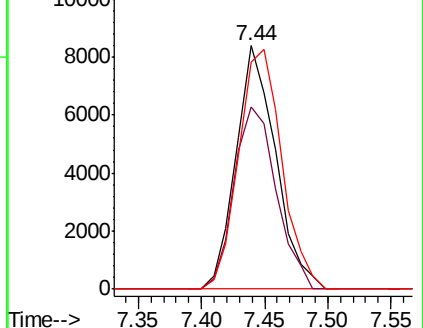
174 93.5 84.7 127.1

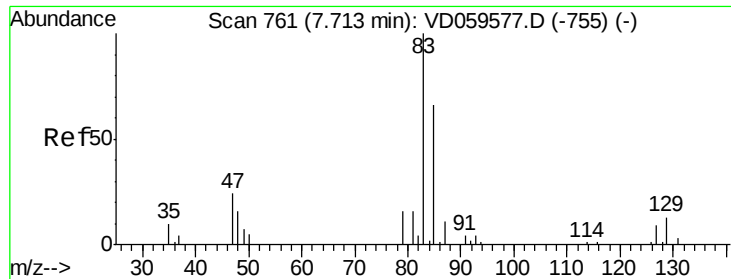


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.17 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBSD01

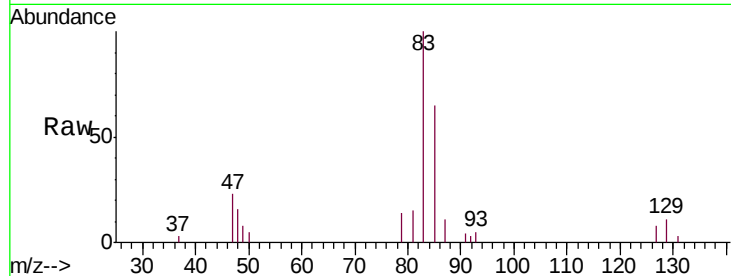
Tot Ion: 83 Resp: 45476

Ion Ratio Lower Upper

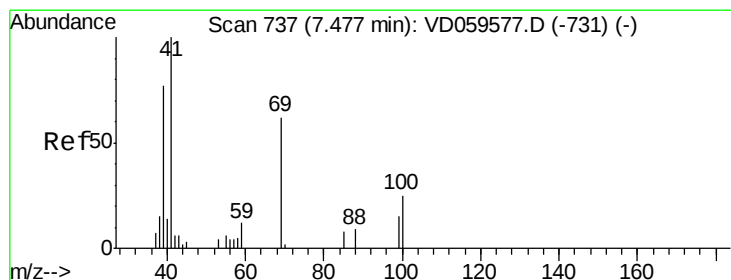
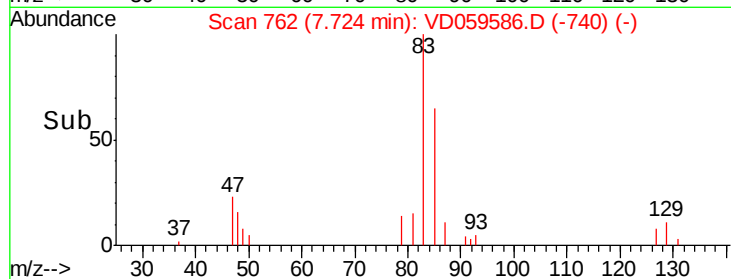
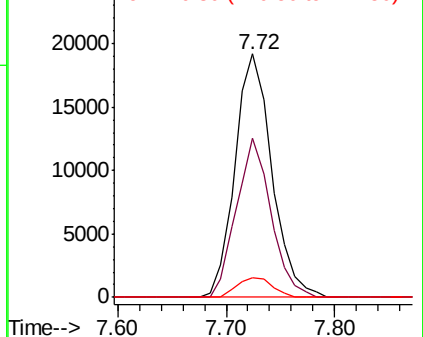
83 100

85 65.2 53.1 79.7

127 8.3 7.4 11.0



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: 20.47 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

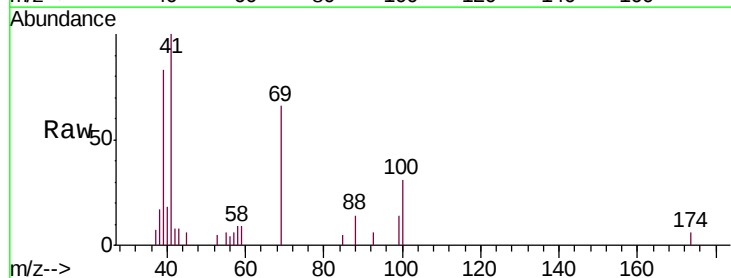
Tgt Ion: 41 Resp: 17940

Ion Ratio Lower Upper

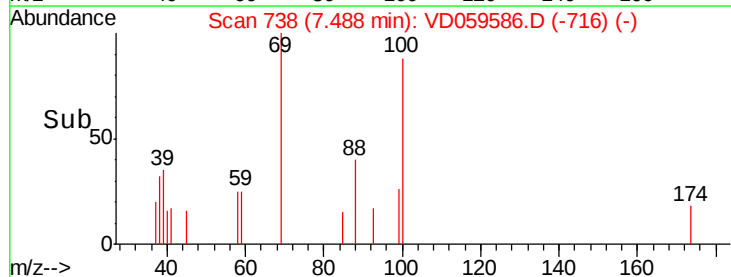
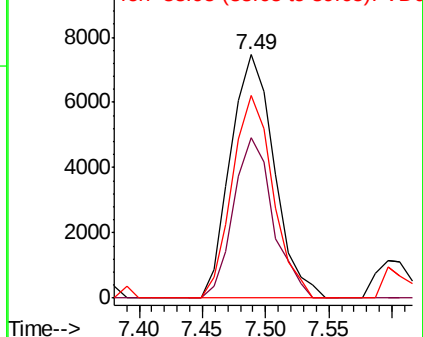
41 100

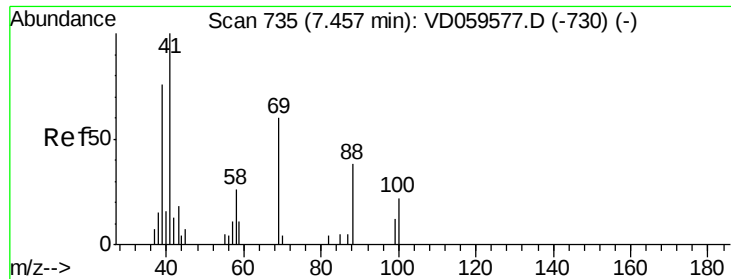
69 65.9 49.4 74.0

39 83.0 61.3 91.9



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

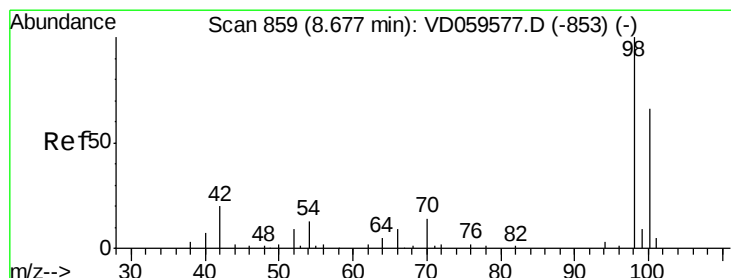
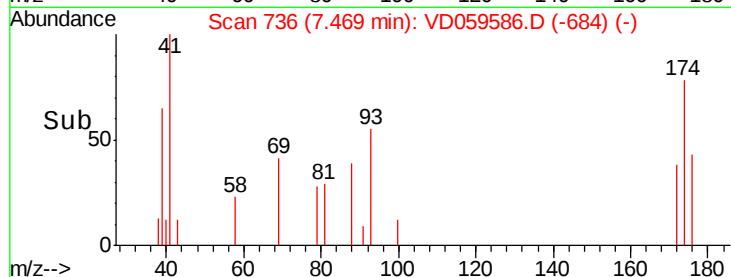
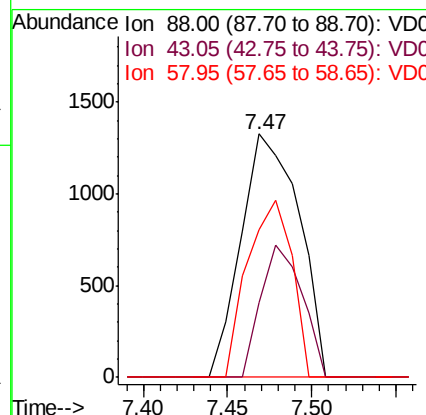
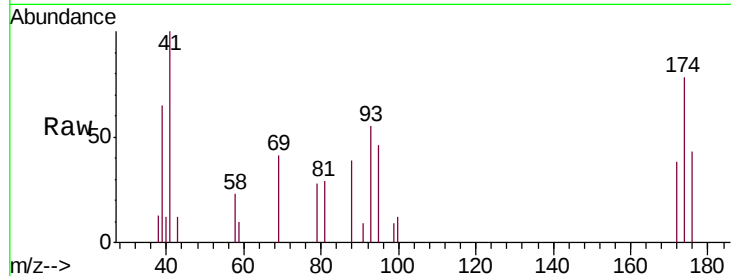




#49
1,4-Dioxane
Concen: 399.50 ug/l
RT: 7.47 min Scan# 736
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

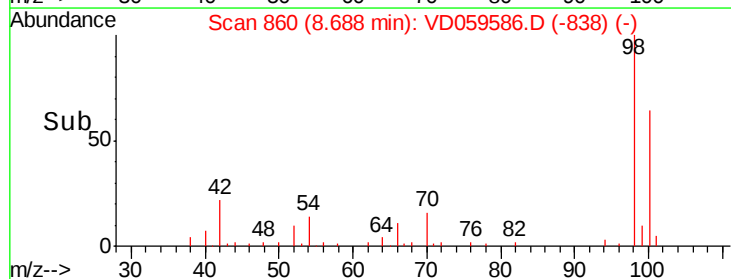
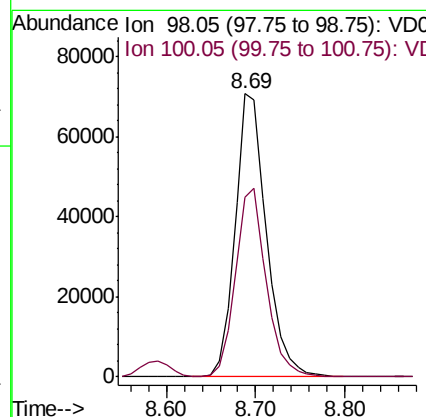
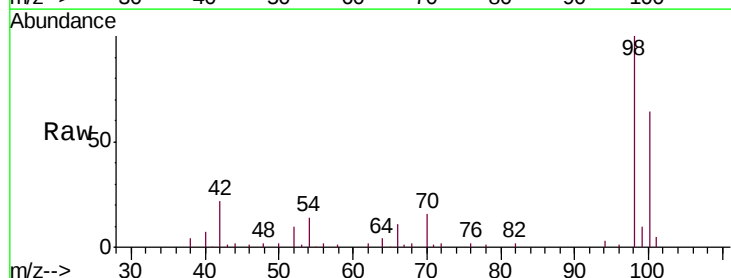
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

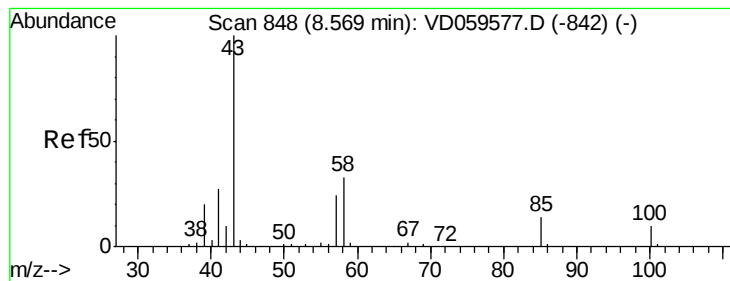
Tot Ion: 88 Resp: 3164
Ion Ratio Lower Upper
88 100
43 30.6 37.4 56.2#
58 60.6 55.6 83.4



#50
Toluene-d8
Concen: 399.50 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 98 Resp: 172094
Ion Ratio Lower Upper
98 100
100 63.6 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 98.80 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

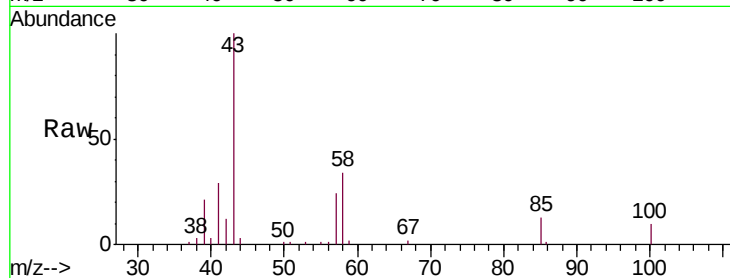
VD0725SBS01

Tot Ion: 43 Resp: 87204

Ion Ratio Lower Upper

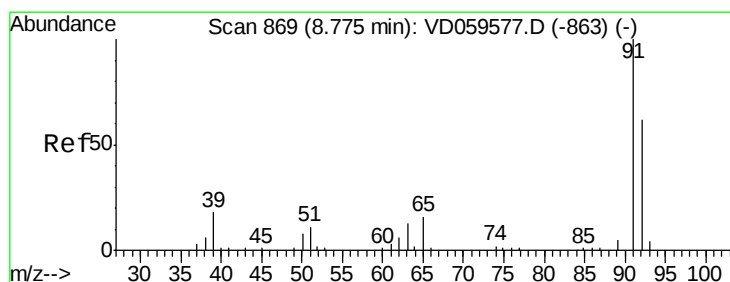
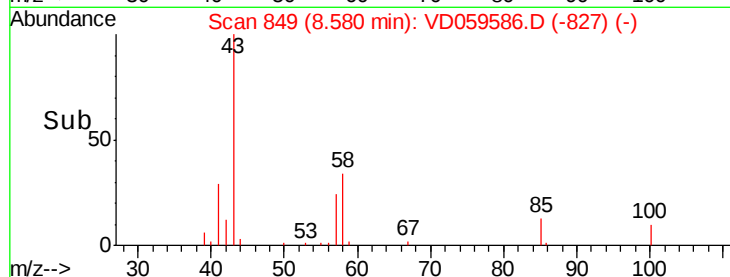
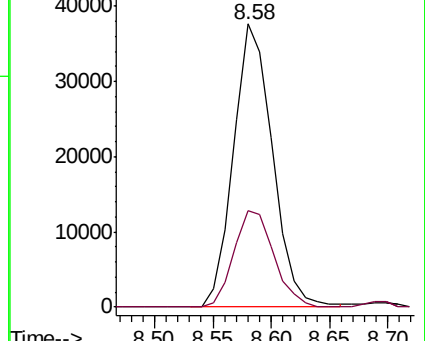
43 100

58 34.2 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.13 ug/l

RT: 8.79 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059586.D

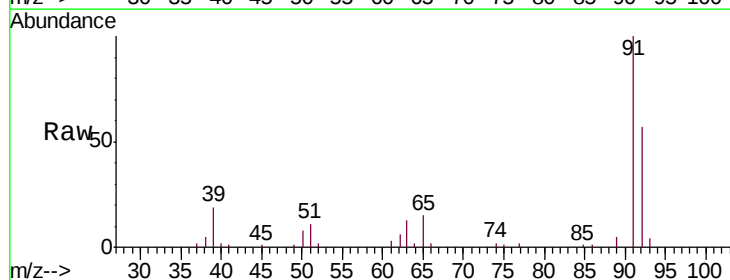
Acq: 25 Jul 2018 13:37

Tgt Ion: 92 Resp: 53252

Ion Ratio Lower Upper

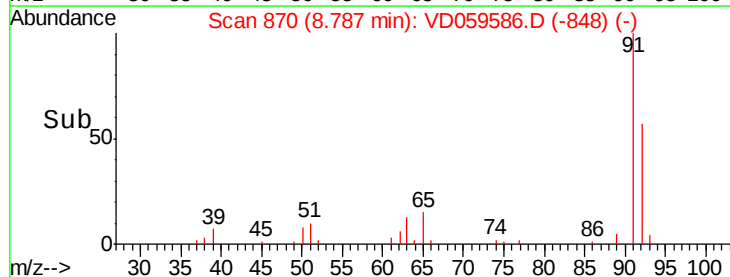
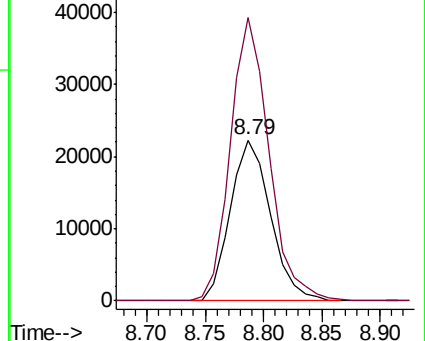
92 100

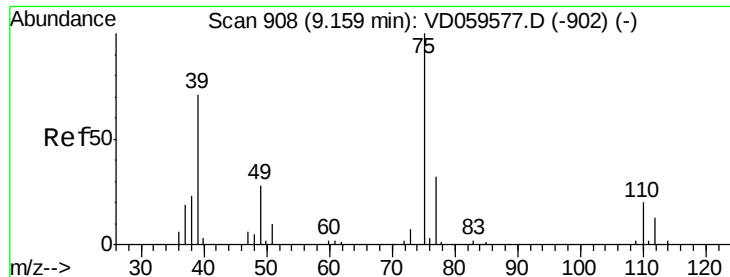
91 175.7 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.68 ug/l

RT: 9.17 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

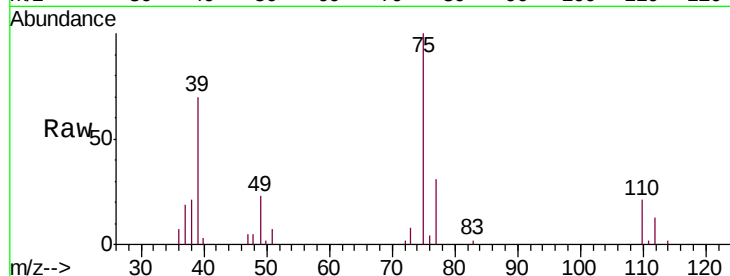
VD0725SBS01

Tot Ion: 75 Resp: 38128

Ion Ratio Lower Upper

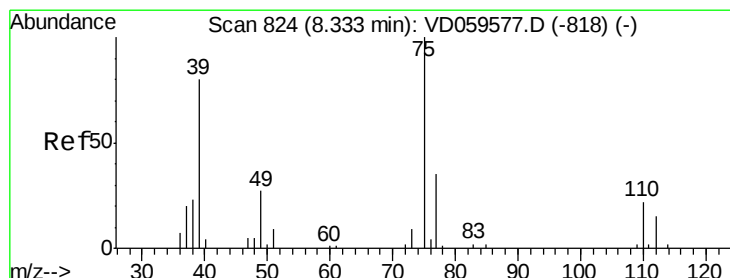
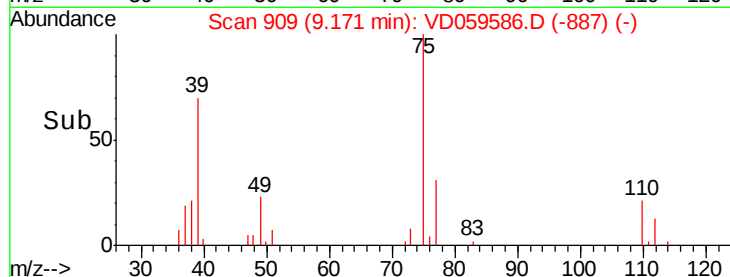
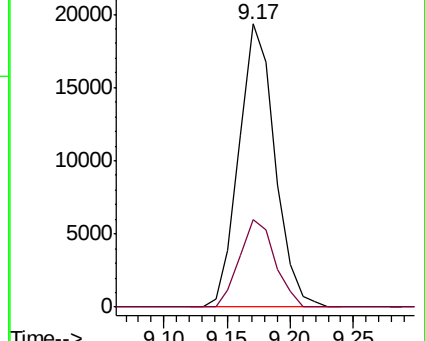
75 100

77 30.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.61 ug/l

RT: 8.34 min Scan# 825

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

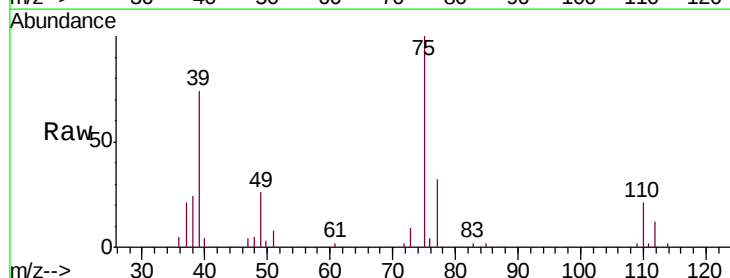
Tgt Ion: 75 Resp: 41581

Ion Ratio Lower Upper

75 100

77 31.6 27.7 41.5

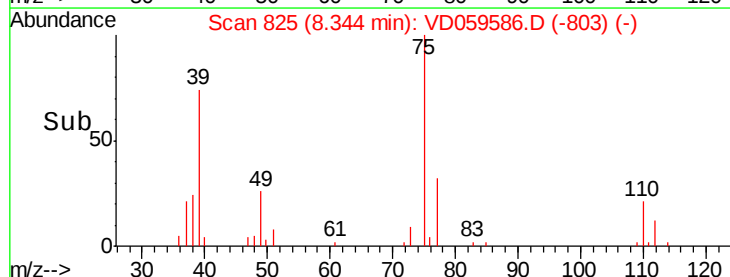
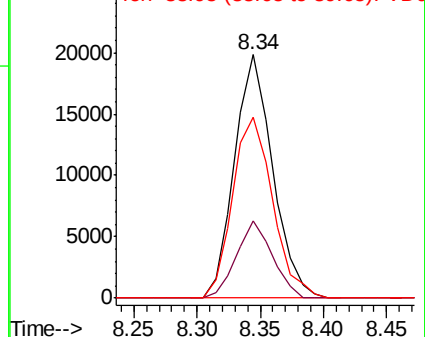
39 74.1 63.8 95.8

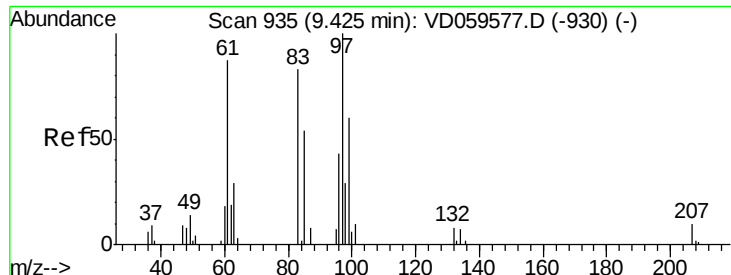


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

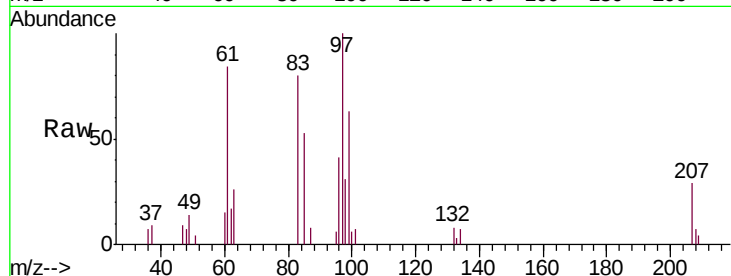




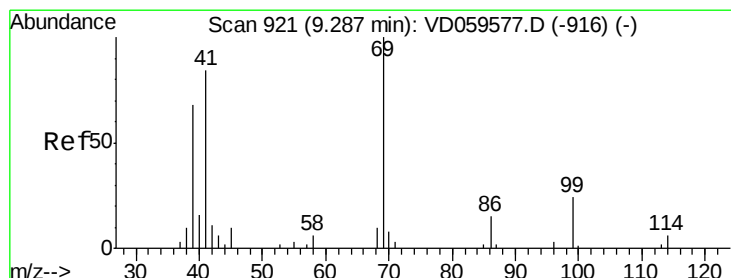
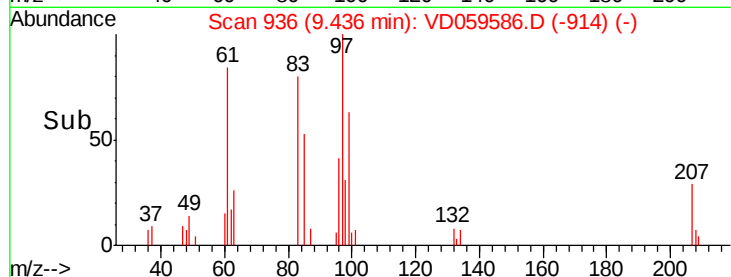
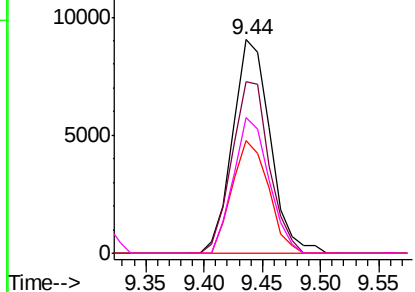
#55
 1,1,2-Trichloroethane
 Concen: 21.35 ug/l
 RT: 9.44 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

Tot Ion:	97	Resp:	20208
Ion	Ratio	Lower	Upper
97	100		
83	80.1	66.3	99.5
85	52.7	43.0	64.6
99	63.4	47.7	71.5

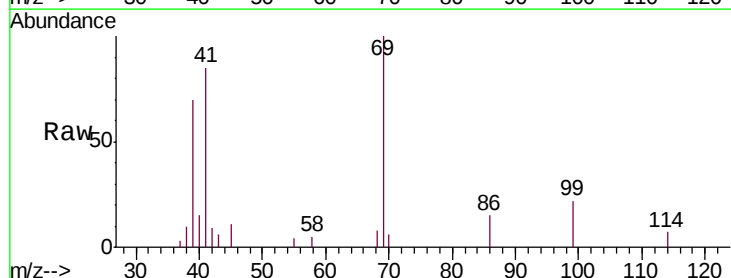


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

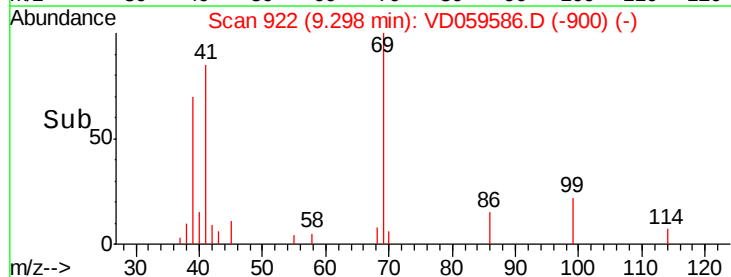
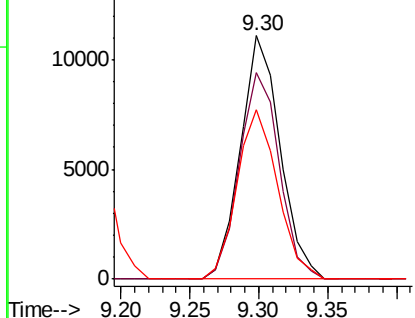


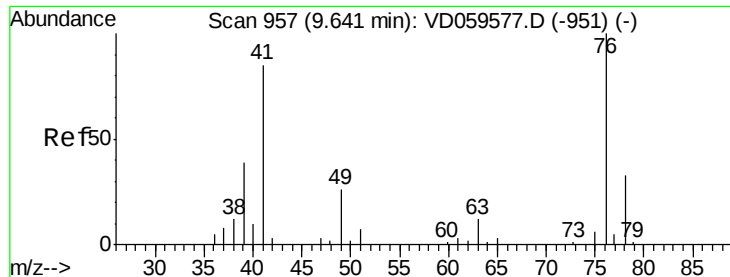
#56
 Ethyl methacrylate
 Concen: 20.73 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion:	69	Resp:	22265
Ion	Ratio	Lower	Upper
69	100		
41	85.0	66.8	100.2
39	69.6	54.7	82.1



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





#57

1,3-Dichloropropane

Concen: 20.95 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

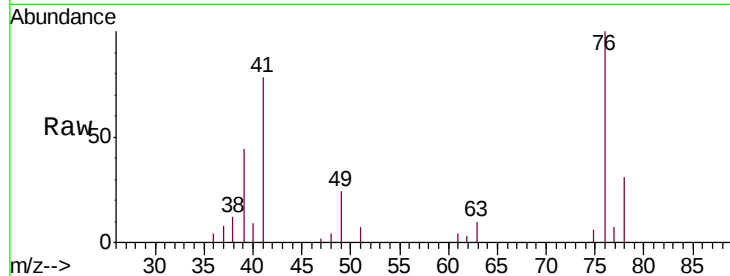
VD0725SBS01

Tot Ion: 76 Resp: 31519

Ion Ratio Lower Upper

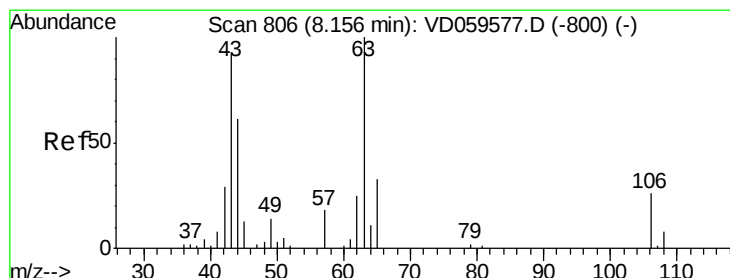
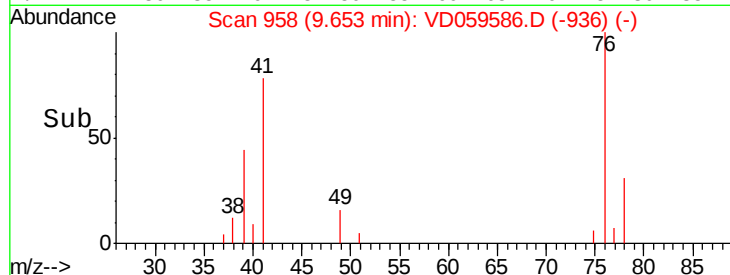
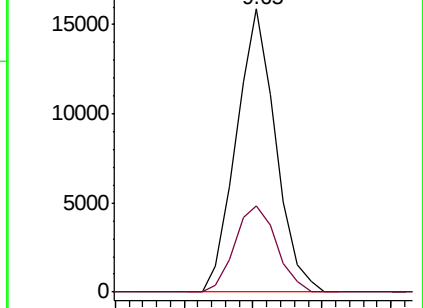
76 100

78 30.6 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.44 ug/l

RT: 8.18 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059586.D

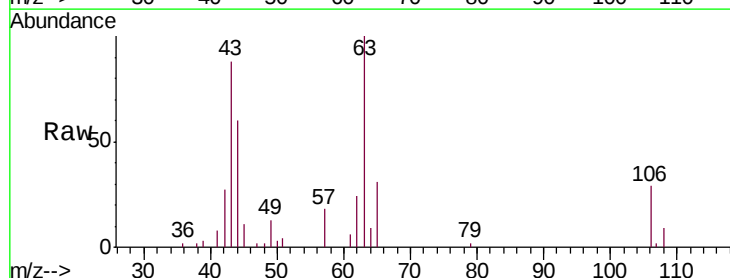
Acq: 25 Jul 2018 13:37

Tgt Ion: 63 Resp: 48669

Ion Ratio Lower Upper

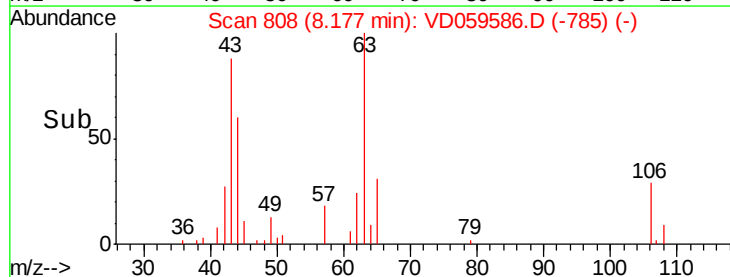
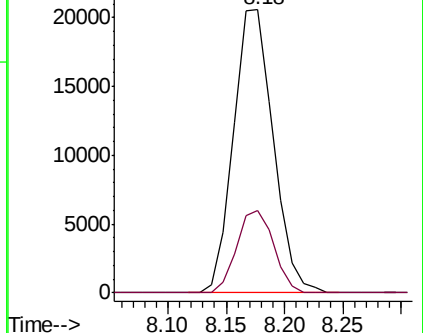
63 100

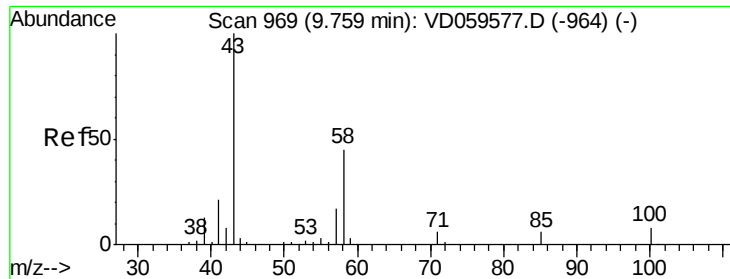
106 28.9 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

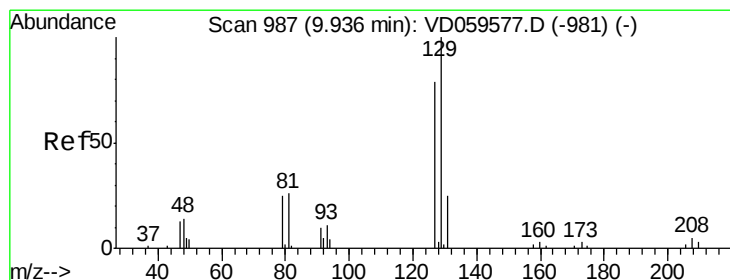
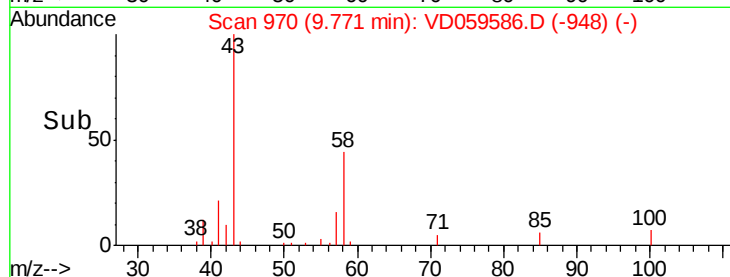
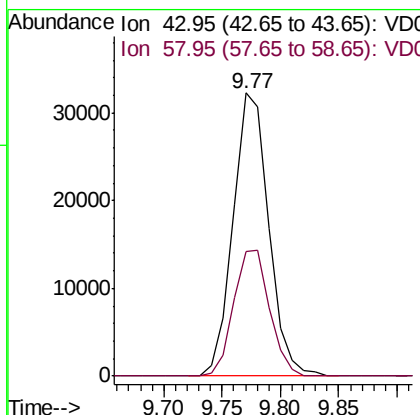
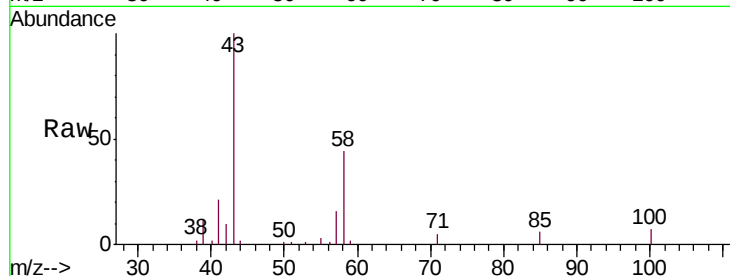




#59
2-Hexanone
Concen: 97.35 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

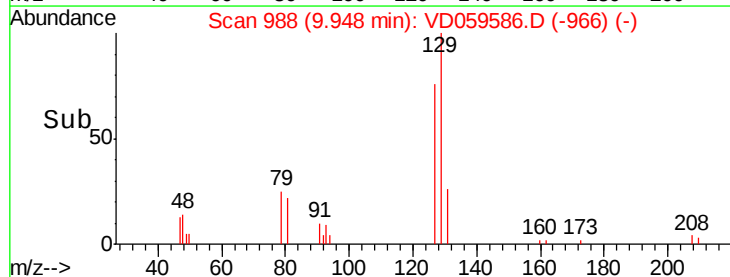
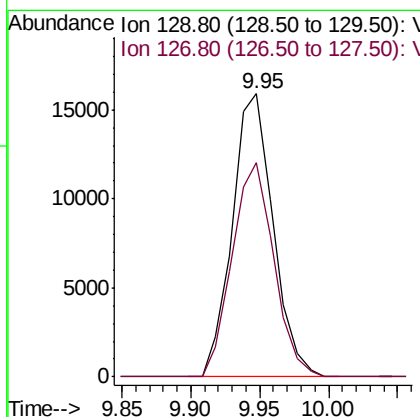
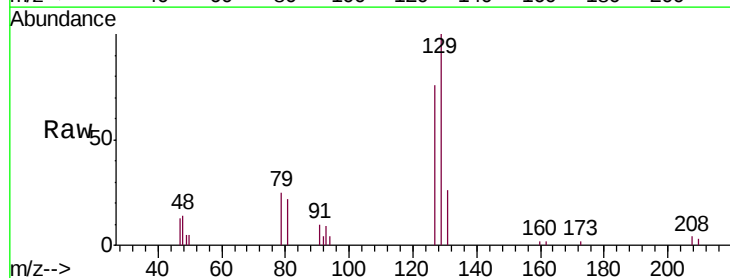
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

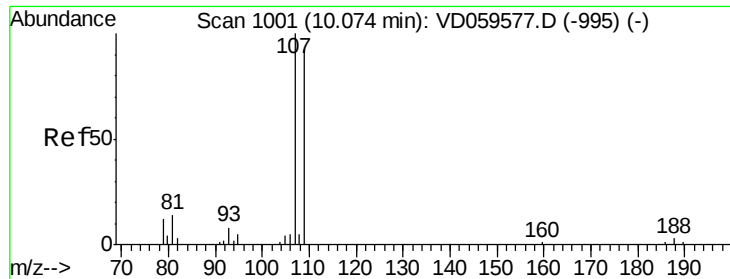
Tot Ion: 43 Resp: 68253
Ion Ratio Lower Upper
43 100
58 44.0 22.7 68.1



#60
Dibromochloromethane
Concen: 20.87 ug/l
RT: 9.95 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion:129 Resp: 32801
Ion Ratio Lower Upper
129 100
127 75.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 20.75 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

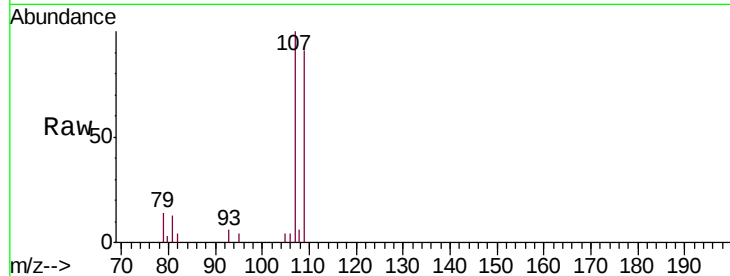
VD0725SBSD01

Tot Ion:107 Resp: 23275

Ion Ratio Lower Upper

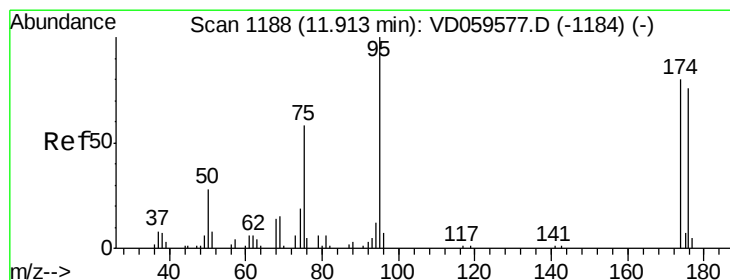
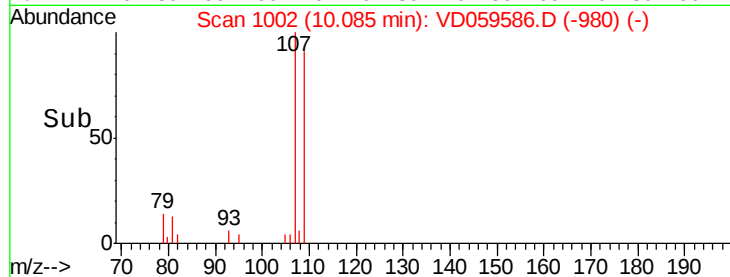
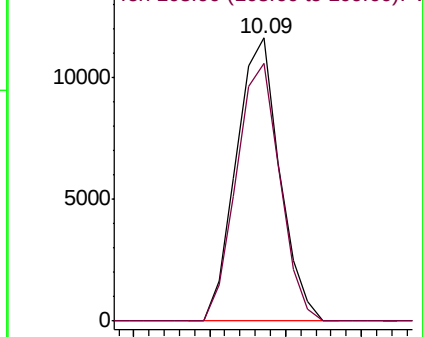
107 100

109 91.2 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.75 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

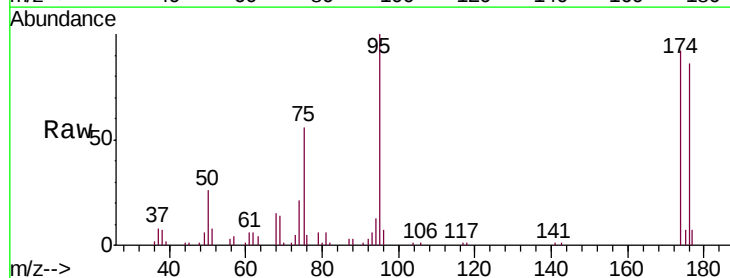
Tgt Ion: 95 Resp: 79408

Ion Ratio Lower Upper

95 100

174 92.2 0.0 160.6

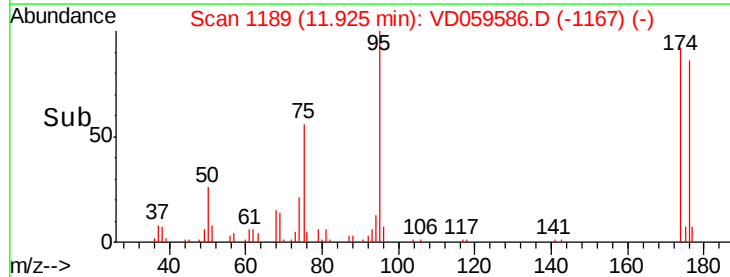
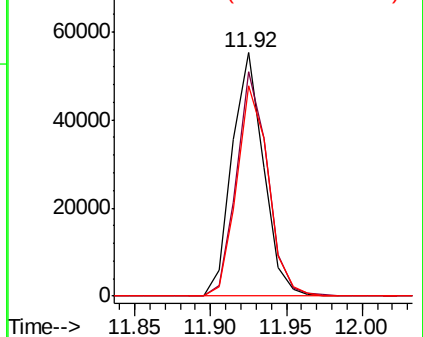
176 86.2 0.0 152.8

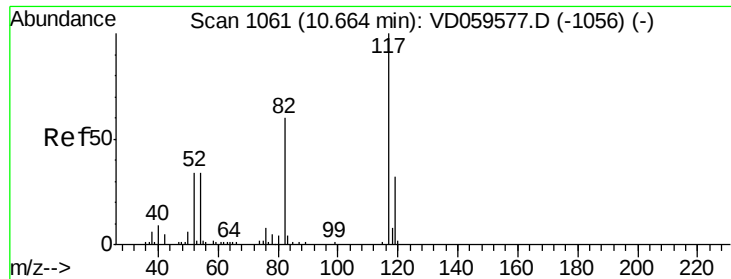


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

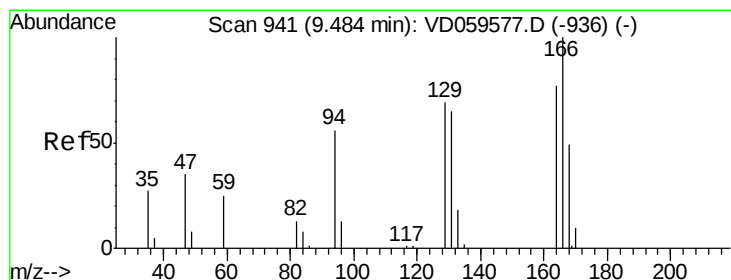
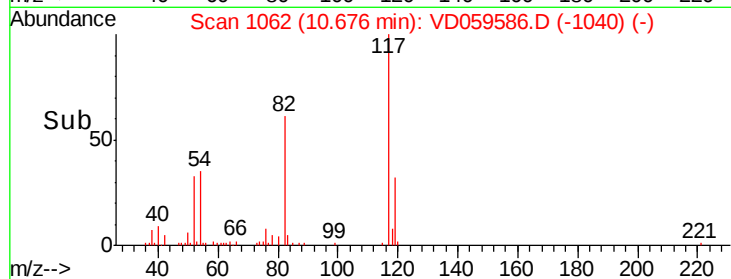
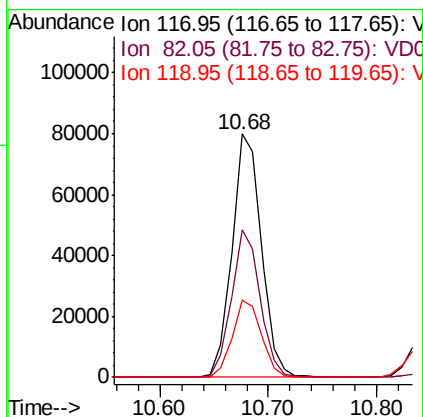
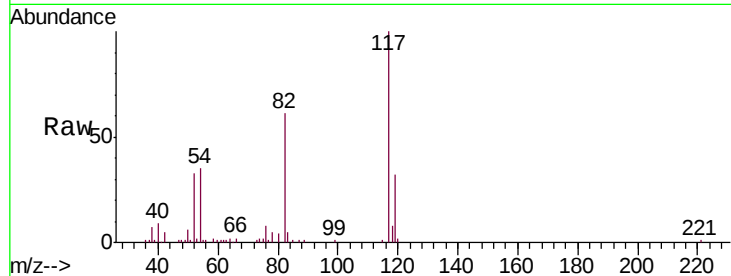




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

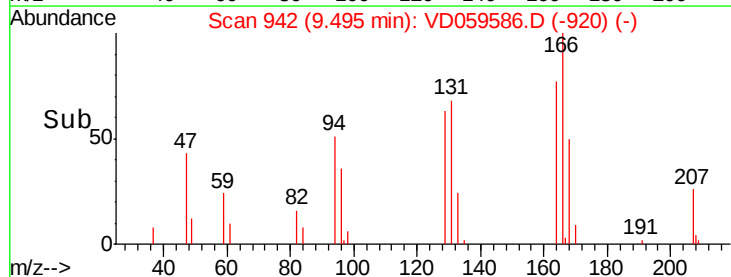
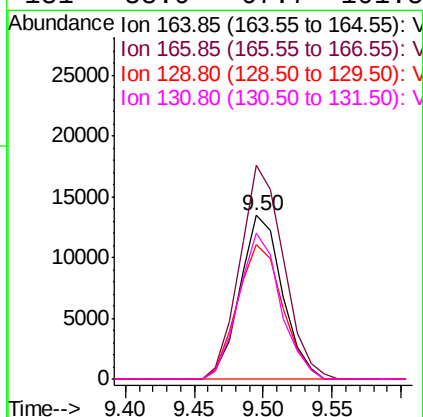
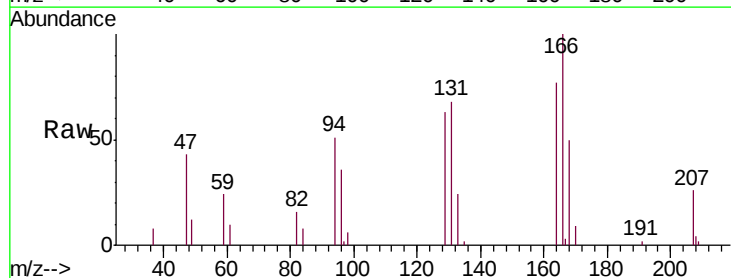
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

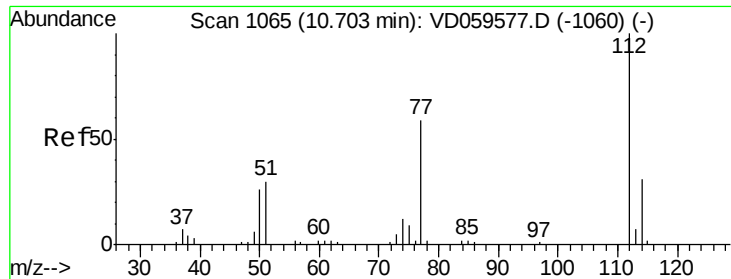
Tot Ion:117 Resp: 150547
Ion Ratio Lower Upper
117 100
82 60.8 48.2 72.2
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 21.17 ug/l
RT: 9.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion:164 Resp: 28885
Ion Ratio Lower Upper
164 100
166 130.4 104.0 156.0
129 82.1 72.2 108.4
131 88.9 67.7 101.5

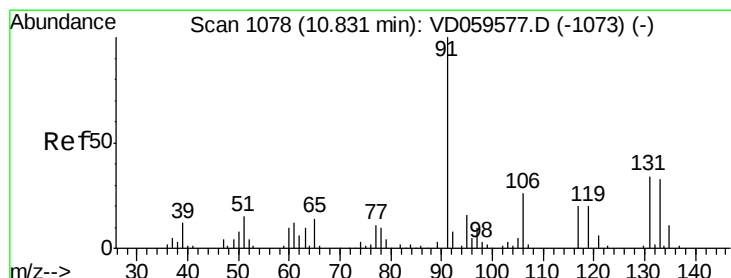
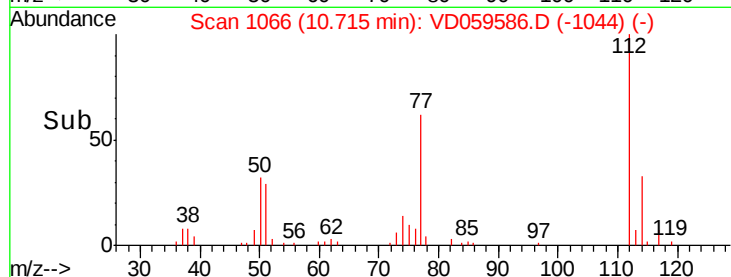
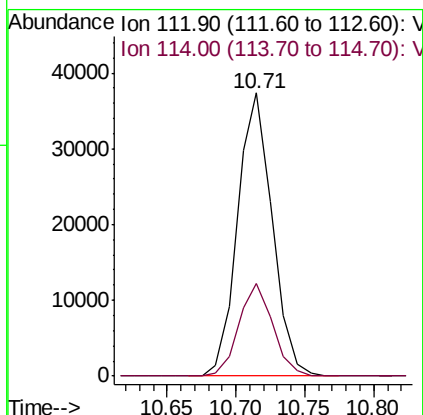
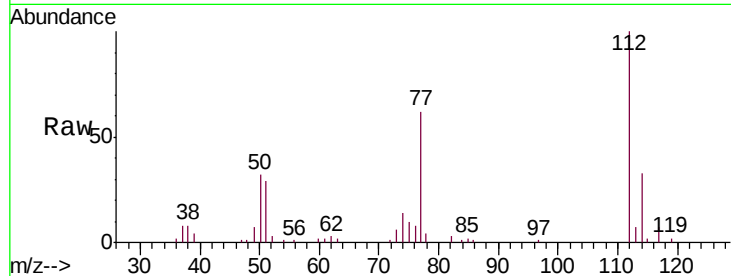




#65
Chlorobenzene
Concen: 21.15 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

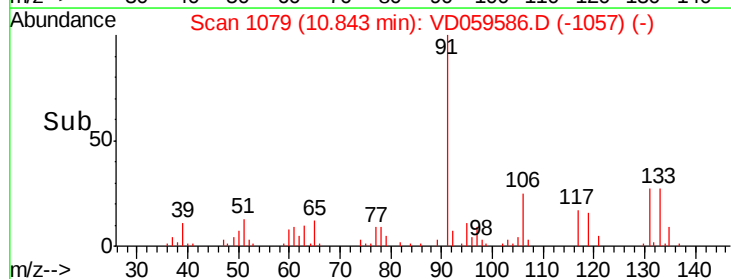
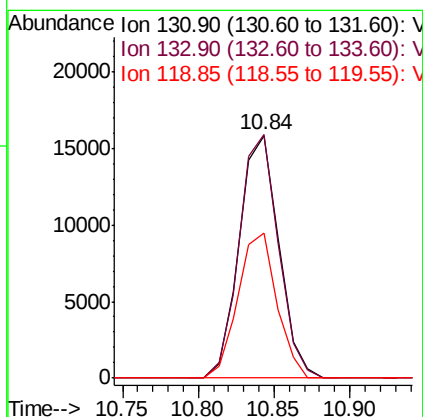
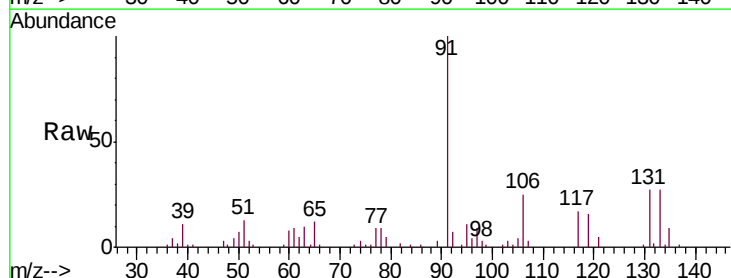
Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

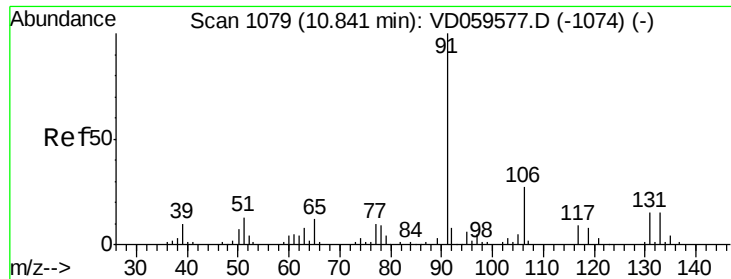
Tot Ion:112 Resp: 65284
Ion Ratio Lower Upper
112 100
114 32.5 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.43 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion:131 Resp: 28763
Ion Ratio Lower Upper
131 100
133 100.4 47.9 143.7
119 59.9 28.7 86.1

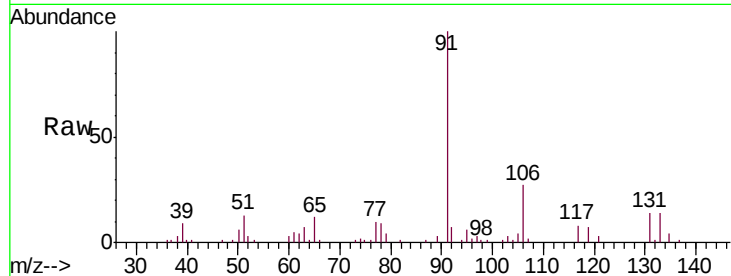




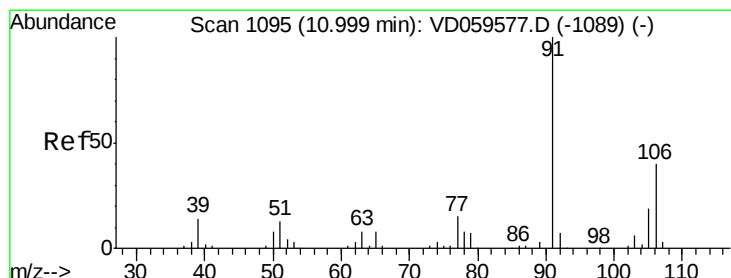
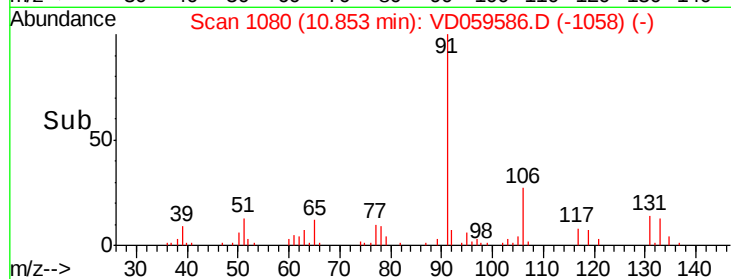
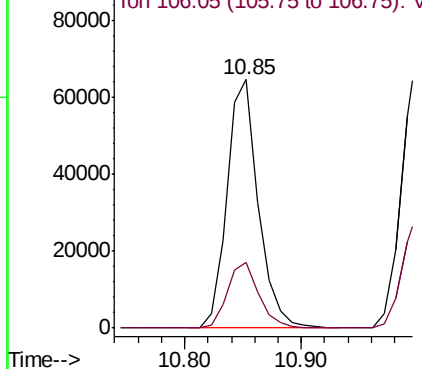
#67
Ethyl Benzene
Concen: 22.46 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBS01

Tot Ion: 91 Resp: 119155
Ion Ratio Lower Upper
91 100
106 26.6 21.6 32.4

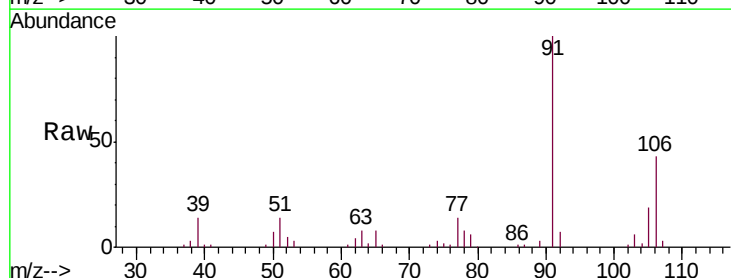


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

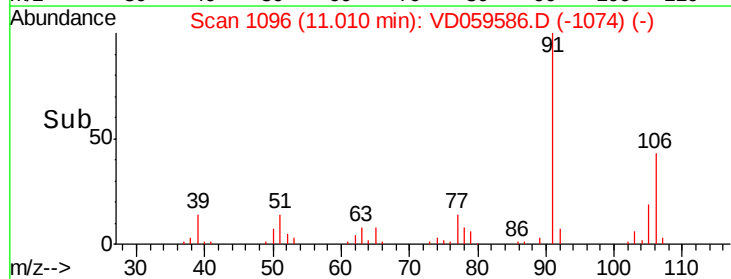
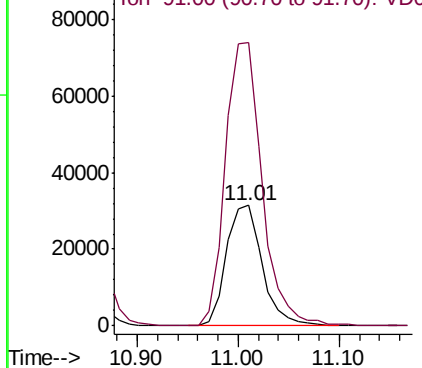


#68
m/p-Xylenes
Concen: 43.70 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion: 106 Resp: 77435
Ion Ratio Lower Upper
106 100
91 234.4 198.2 297.4



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

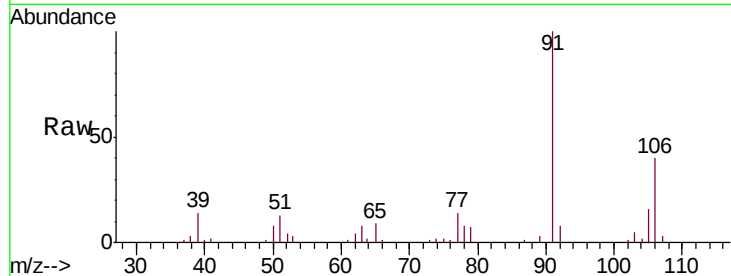




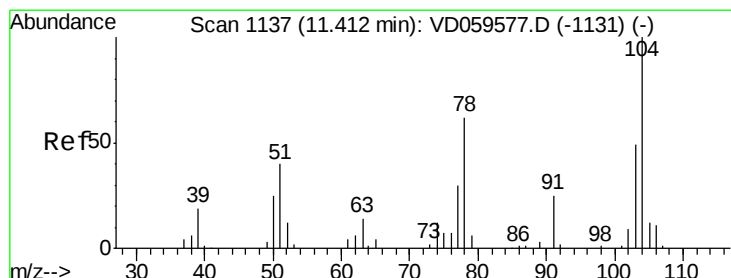
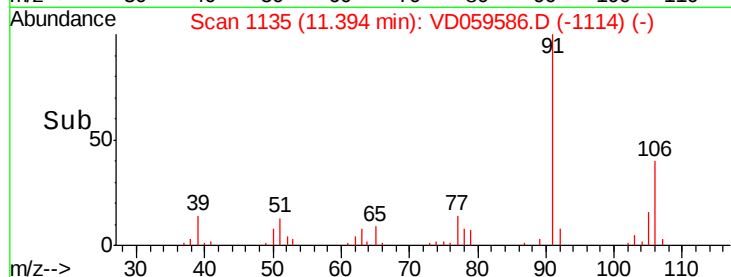
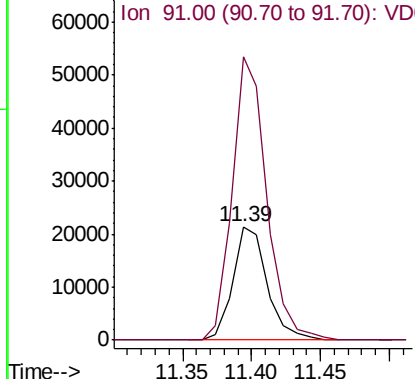
#69
o-Xylene
Concen: 21.39 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleID :
VD0725SBS01

Tot Ion:106 Resp: 36779
Ion Ratio Lower Upper
106 100
91 249.3 122.7 368.1

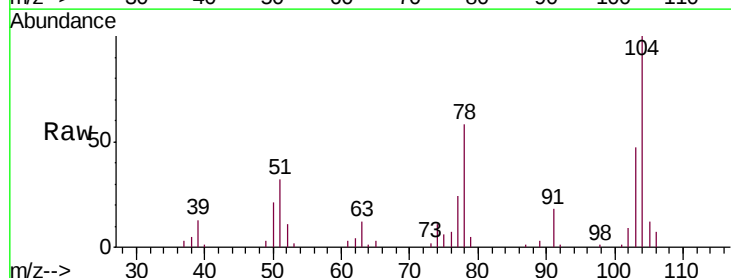


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

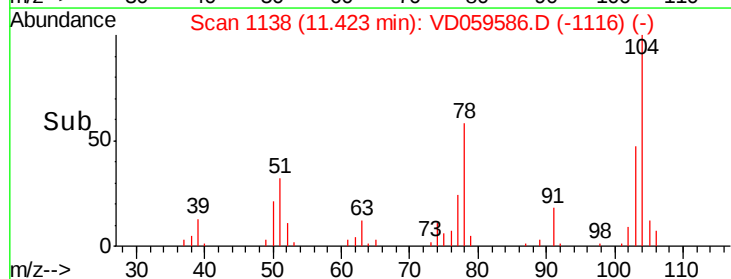
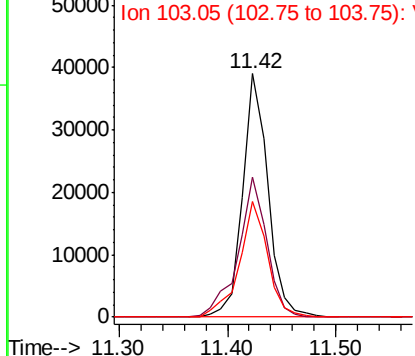


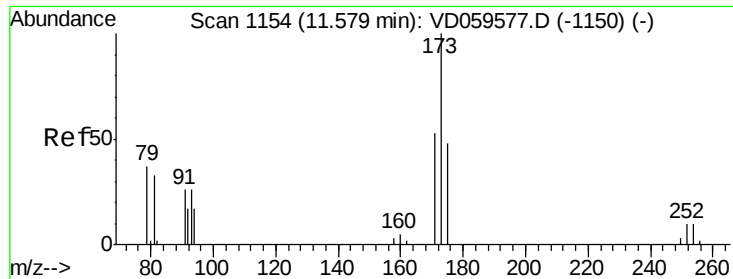
#70
Styrene
Concen: 22.22 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion:104 Resp: 63329
Ion Ratio Lower Upper
104 100
78 57.6 49.4 74.0
103 47.5 39.0 58.6



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: 20.33 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBSD01

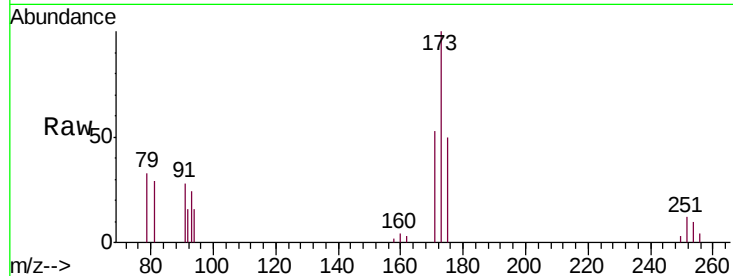
Tot Ion:173 Resp: 22220

Ion Ratio Lower Upper

173 100

175 50.1 23.8 71.4

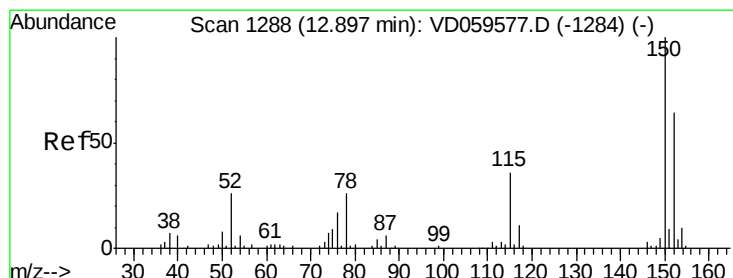
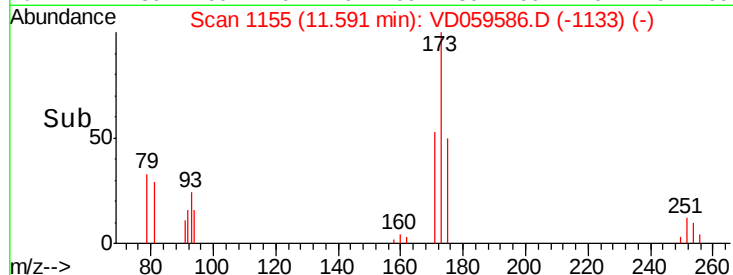
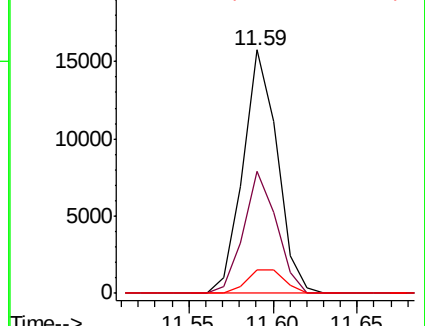
254 9.7 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

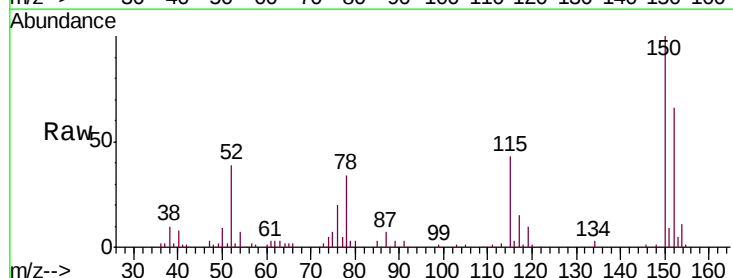
Tgt Ion:152 Resp: 79860

Ion Ratio Lower Upper

152 100

115 65.6 29.5 88.6

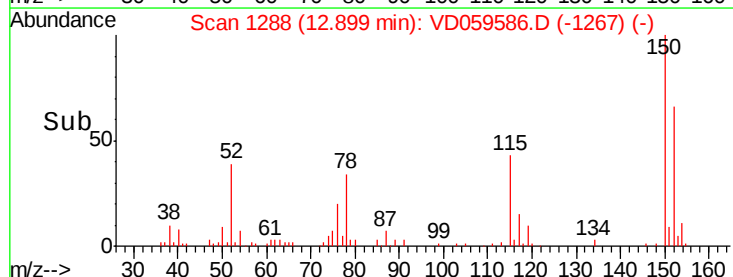
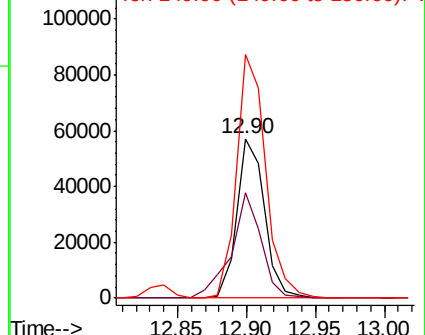
150 152.4 0.0 314.4

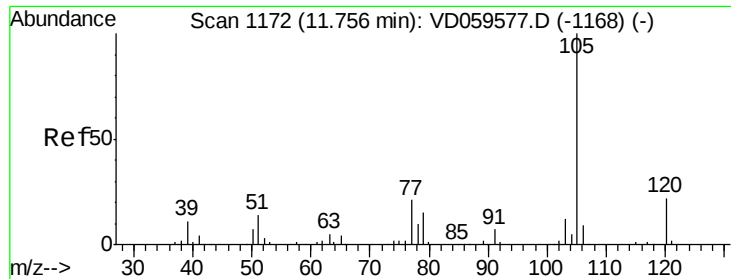


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.40 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

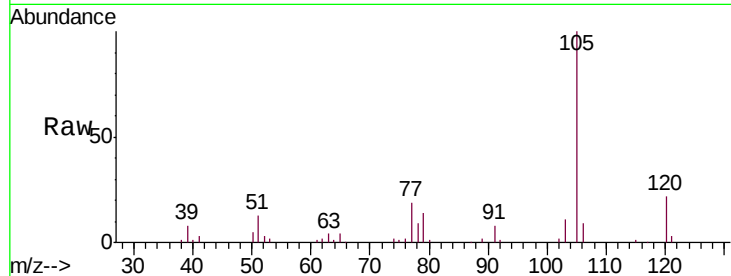
VD0725SBS01

Tot Ion:105 Resp: 115103

Ion Ratio Lower Upper

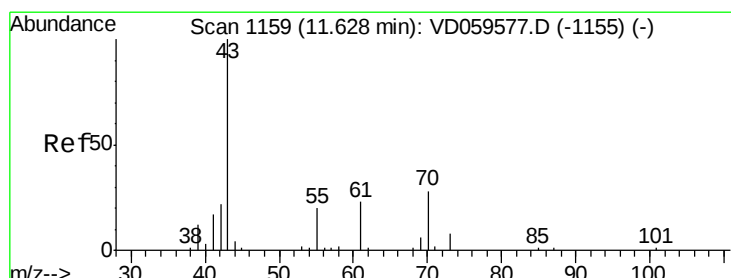
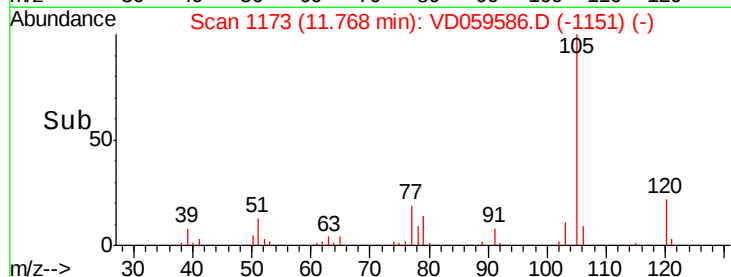
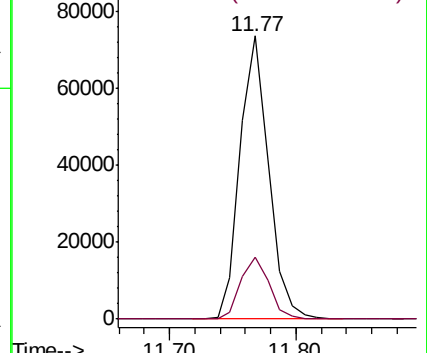
105 100

120 21.7 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.00 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Tgt Ion: 43 Resp: 34785

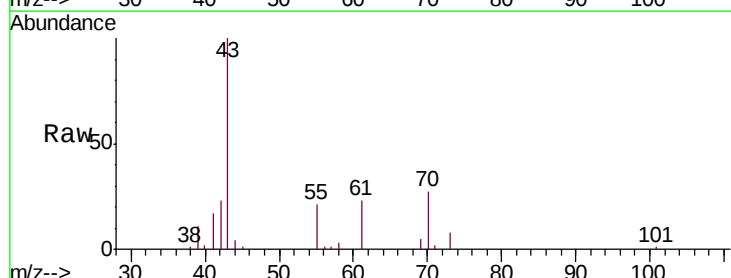
Ion Ratio Lower Upper

43 100

70 27.1 22.0 33.0

55 21.0 16.2 24.2

61 23.0 18.6 27.8

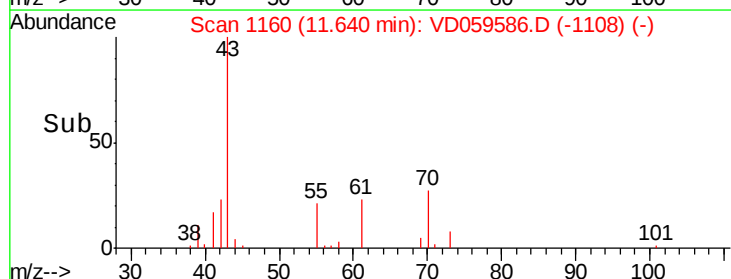
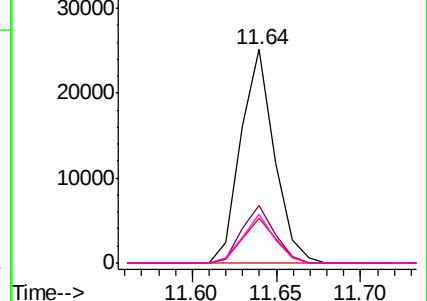


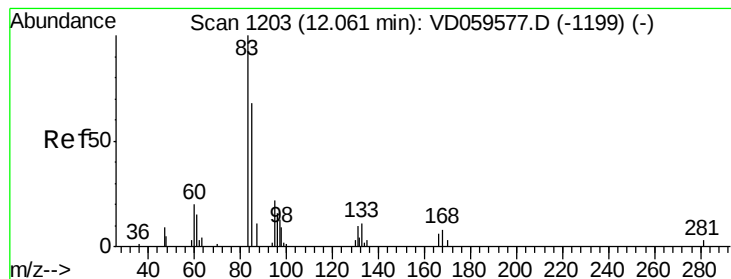
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.52 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

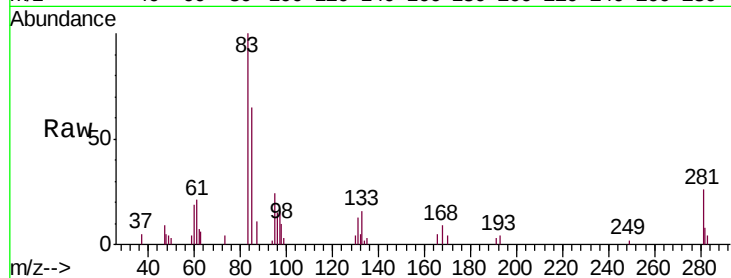
Tot Ion: 83 Resp: 21328

Ion Ratio Lower Upper

83 100

131 13.2 5.1 15.2

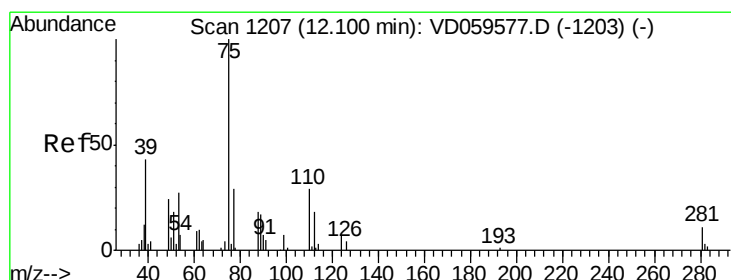
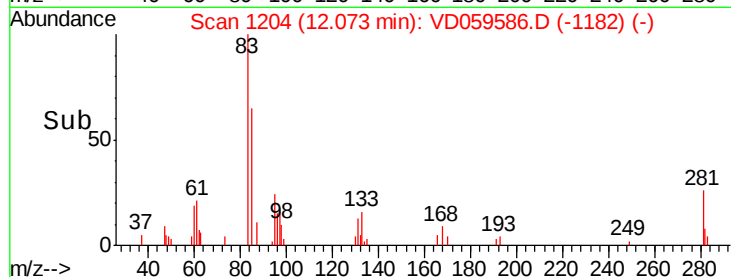
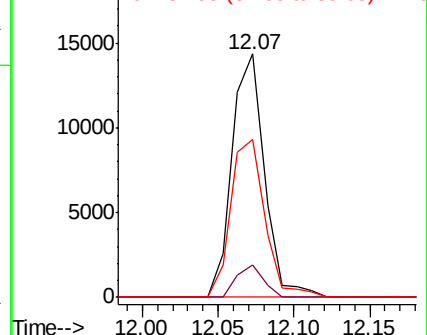
85 65.1 34.1 102.3



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: 18.78 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VD059586.D

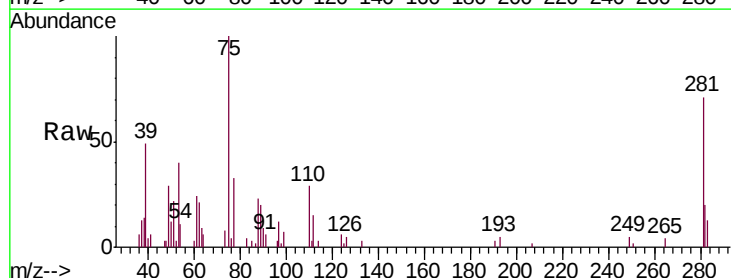
Acq: 25 Jul 2018 13:37

Tgt Ion: 75 Resp: 24799

Ion Ratio Lower Upper

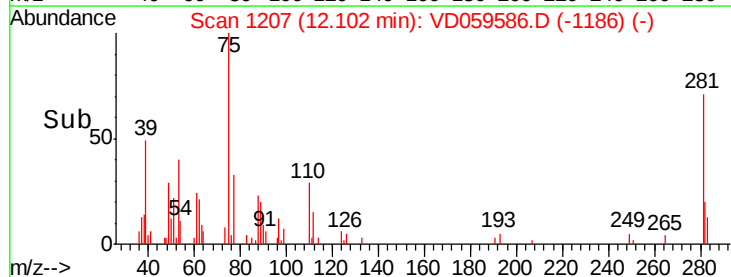
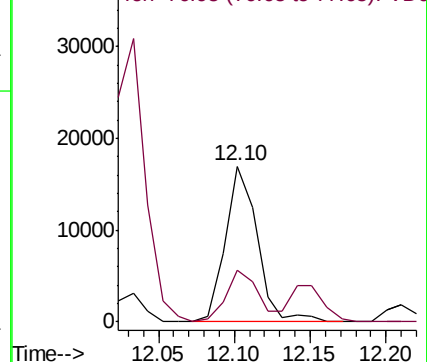
75 100

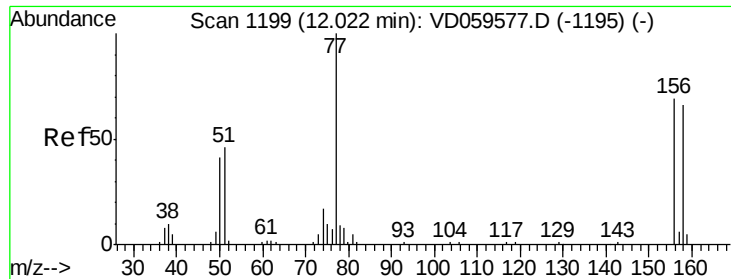
77 32.9 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.49 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

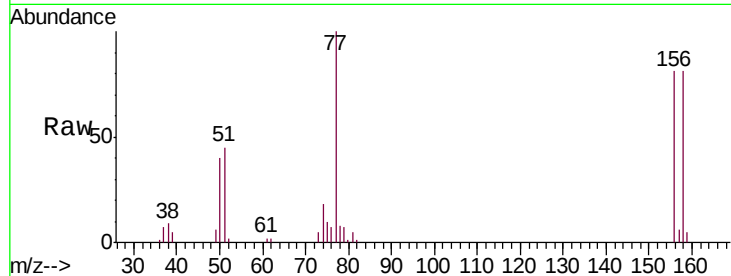
Tot Ion:156 Resp: 33835

Ion Ratio Lower Upper

156 100

77 122.8 72.4 217.2

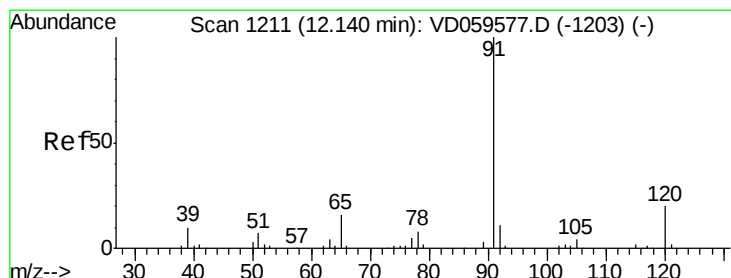
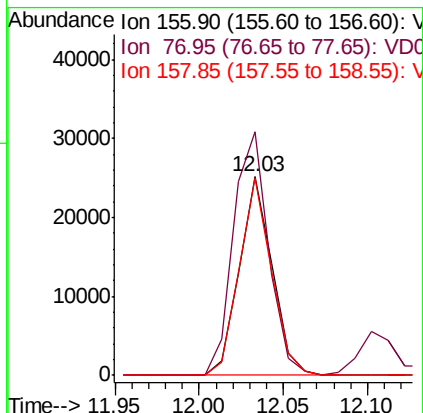
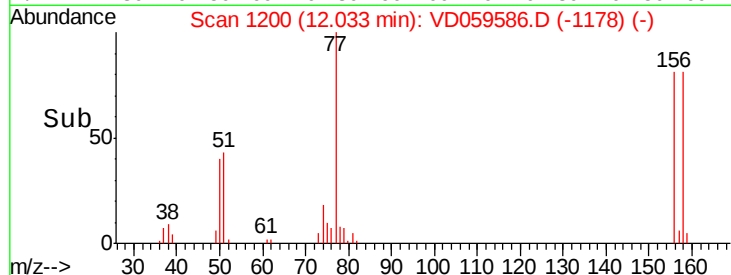
158 99.4 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.22 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059586.D

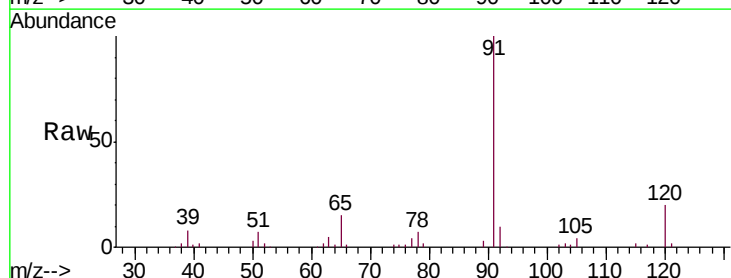
Acq: 25 Jul 2018 13:37

Tgt Ion: 91 Resp: 138580

Ion Ratio Lower Upper

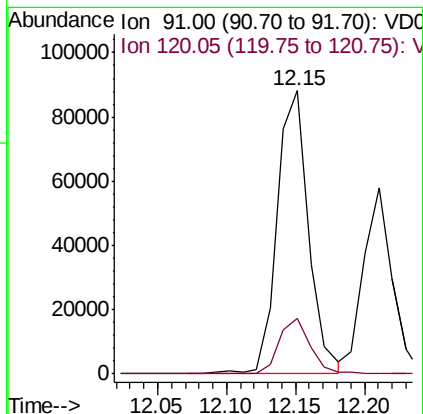
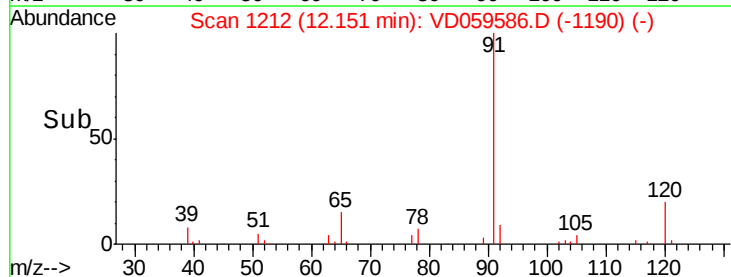
91 100

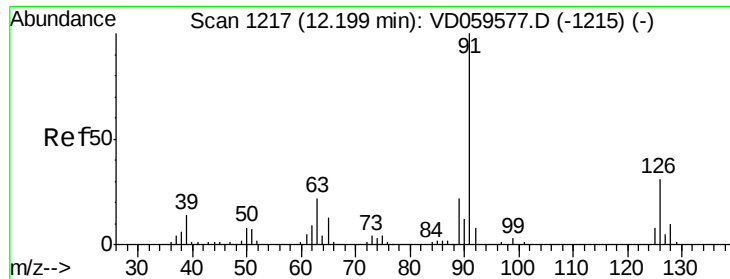
120 19.8 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

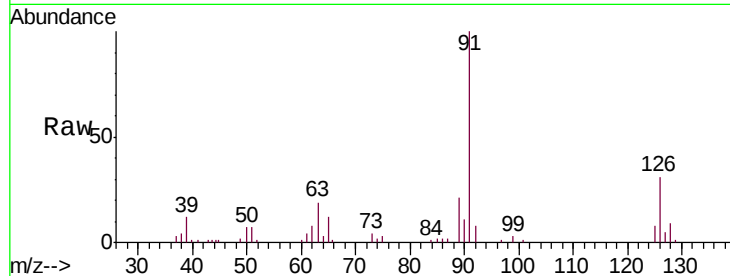




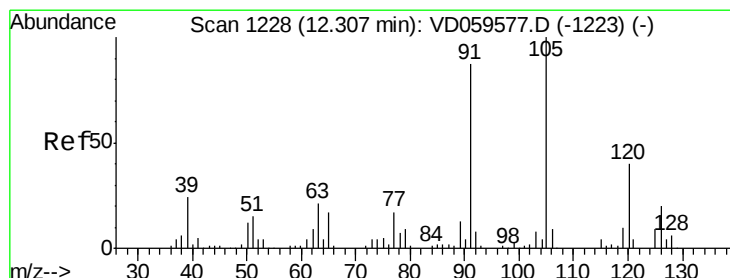
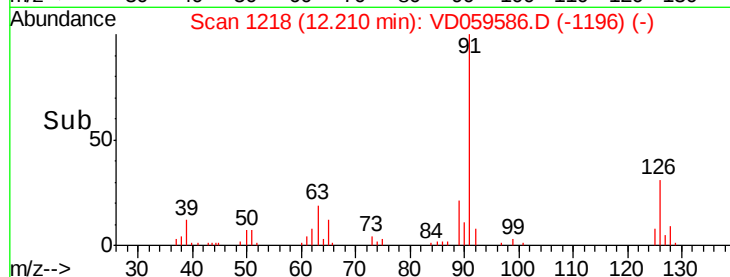
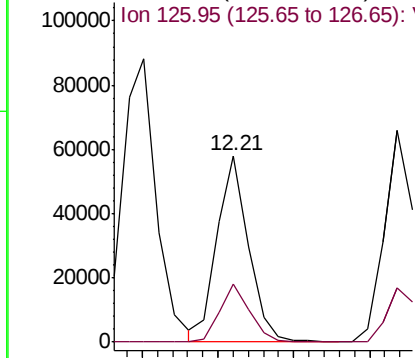
#79
 2-Chlorotoluene
 Concen: 20.61 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

Tot Ion: 91 Resp: 84236
 Ion Ratio Lower Upper
 91 100
 126 31.4 14.5 43.6

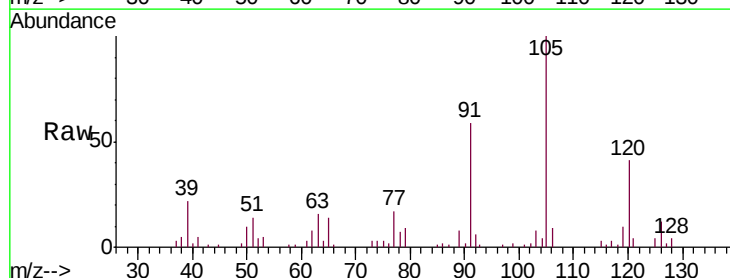


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

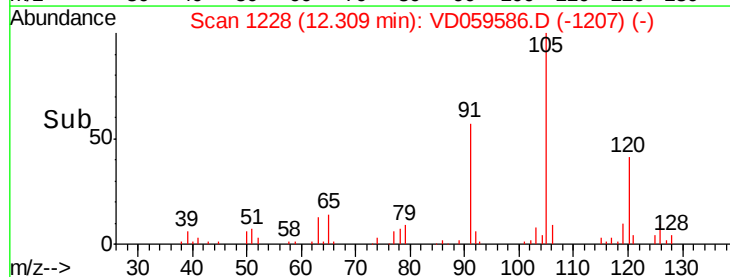
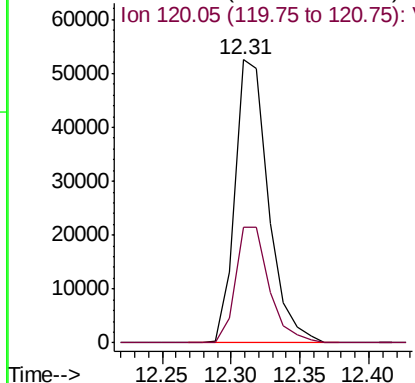


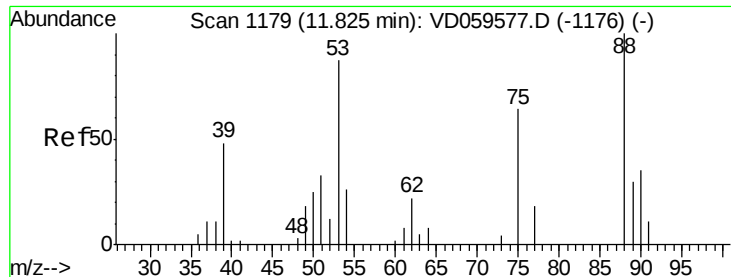
#80
 1,3,5-Trimethylbenzene
 Concen: 19.95 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion: 105 Resp: 88884
 Ion Ratio Lower Upper
 105 100
 120 41.0 19.9 59.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.48 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBSD01

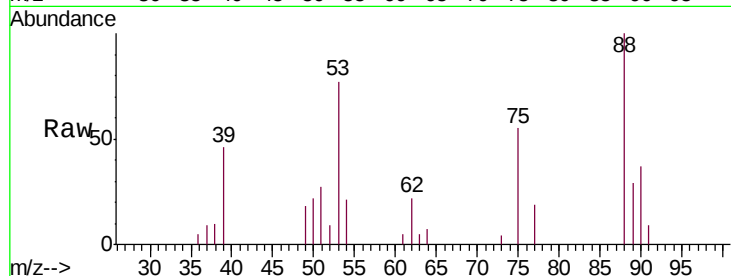
Tot Ion: 75 Resp: 6239

Ion Ratio Lower Upper

75 100

53 139.5 107.7 161.5

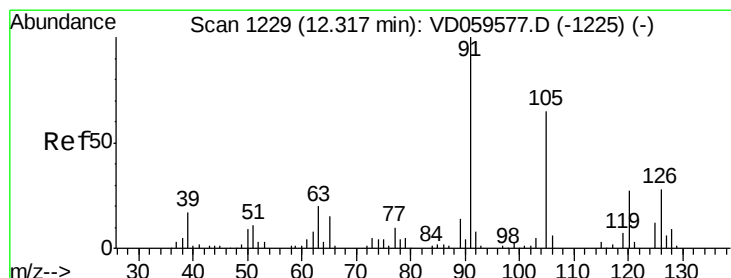
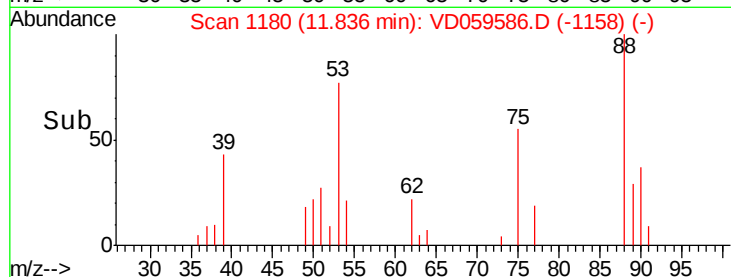
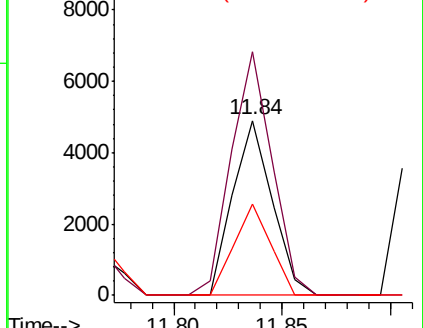
89 52.5 37.3 55.9



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: 20.19 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059586.D

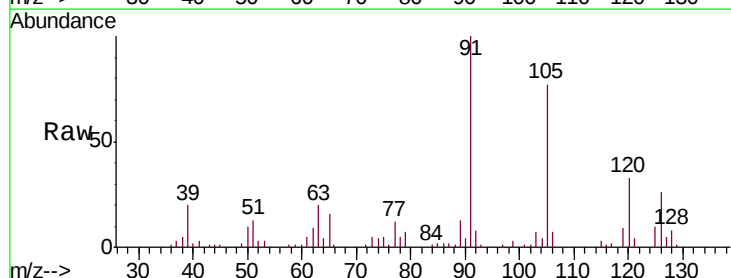
Acq: 25 Jul 2018 13:37

Tgt Ion: 91 Resp: 93311

Ion Ratio Lower Upper

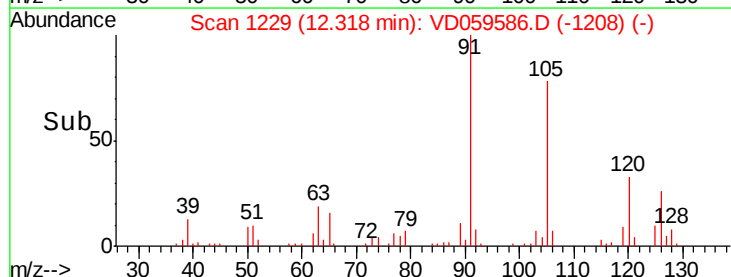
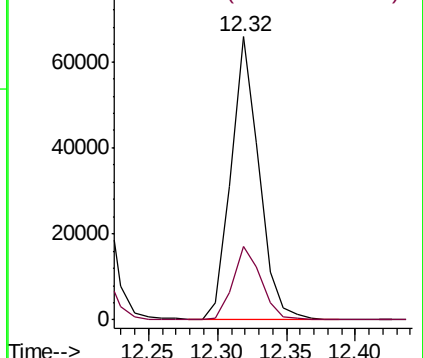
91 100

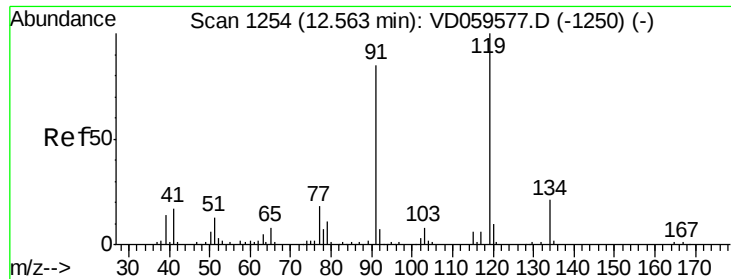
126 25.8 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

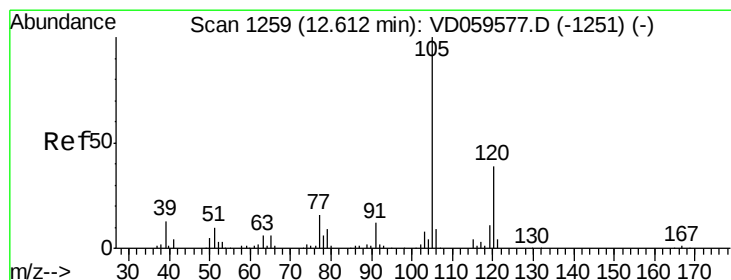
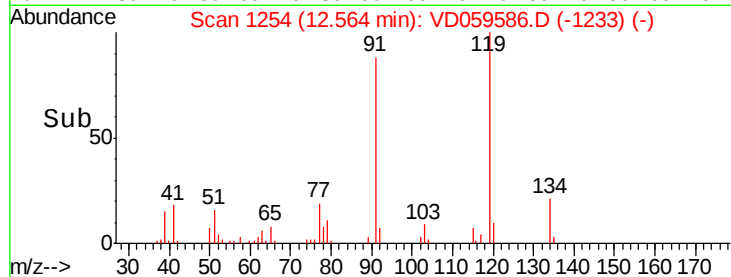
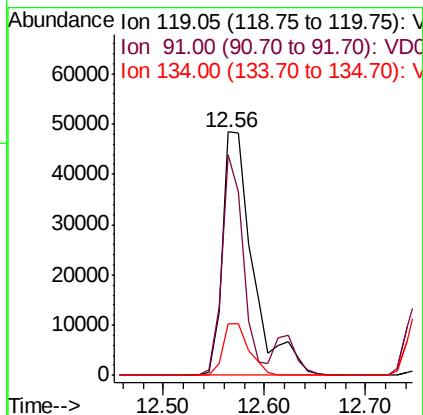
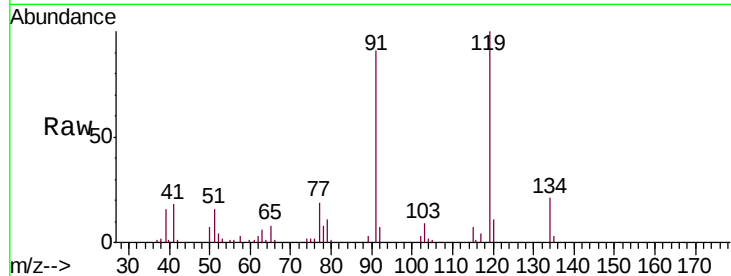




#83
 tert-Butylbenzene
 Concen: 20.28 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

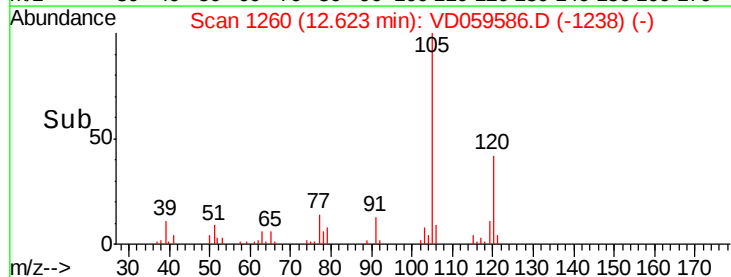
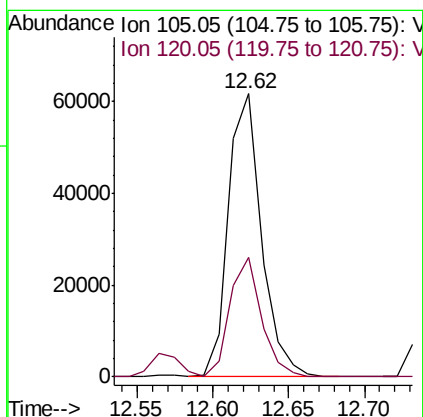
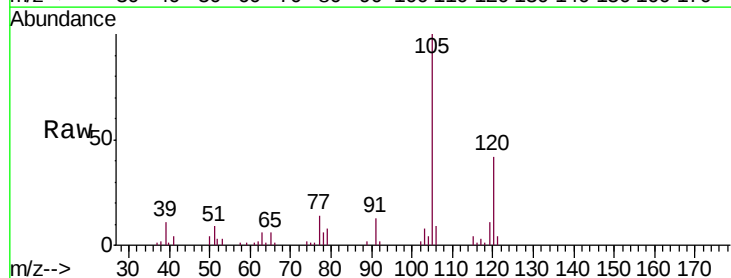
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

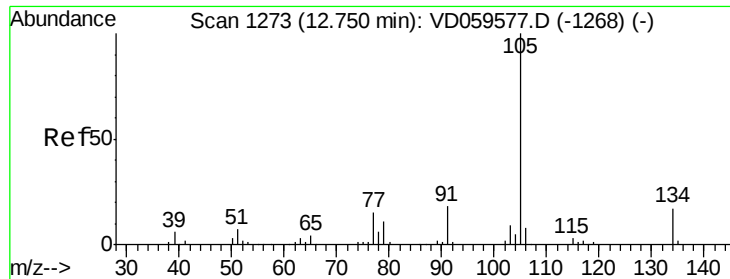
Tot Ion:119 Resp: 101708
 Ion Ratio Lower Upper
 119 100
 91 90.7 42.5 127.5
 134 21.1 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.78 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion:105 Resp: 93669
 Ion Ratio Lower Upper
 105 100
 120 42.1 19.3 57.9

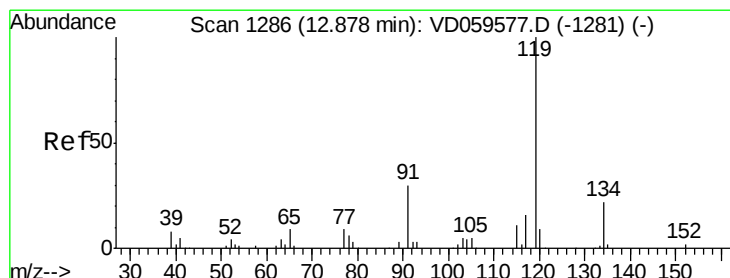
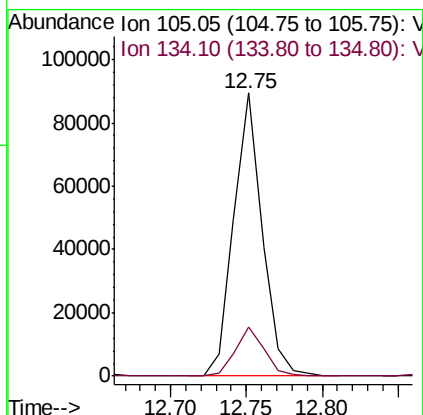
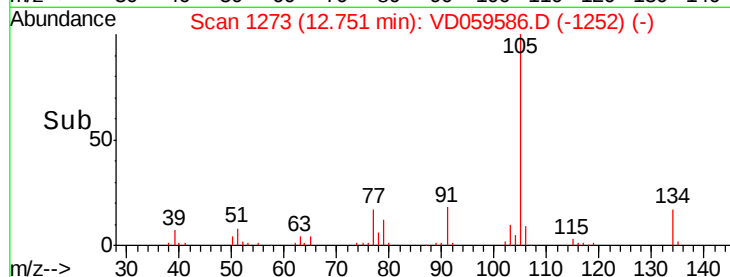
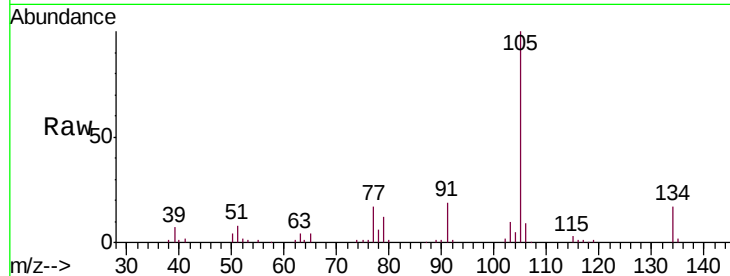




#85
 sec-Butylbenzene
 Concen: 20.38 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

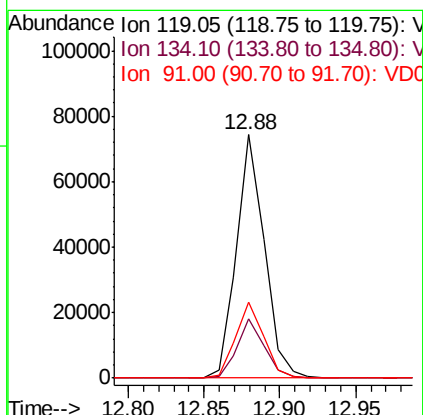
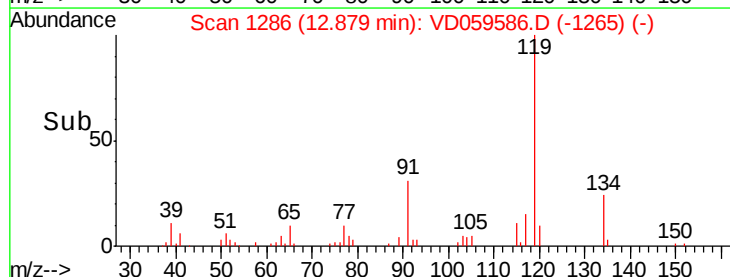
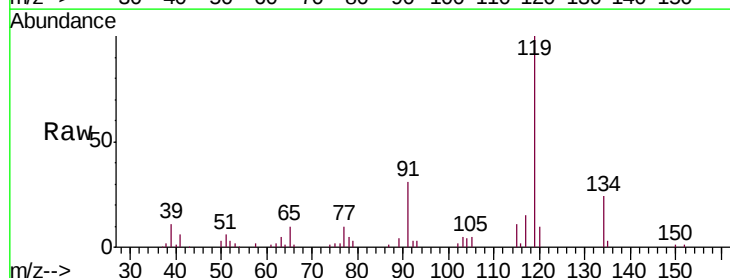
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

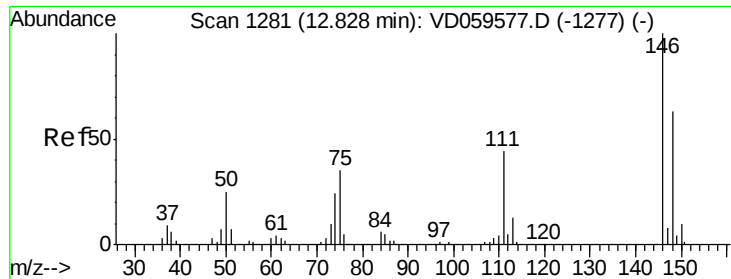
Tot Ion:105 Resp: 116798
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 19.68 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion:119 Resp: 95057
 Ion Ratio Lower Upper
 119 100
 134 24.3 11.2 33.6
 91 31.1 15.0 45.1

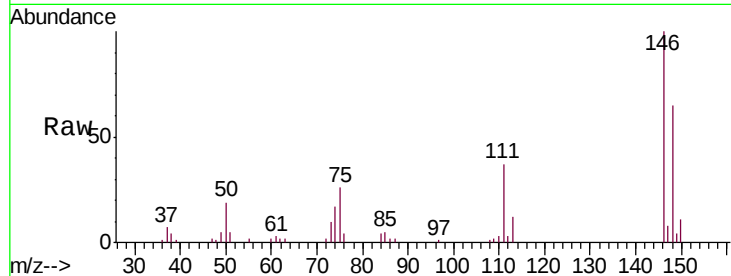




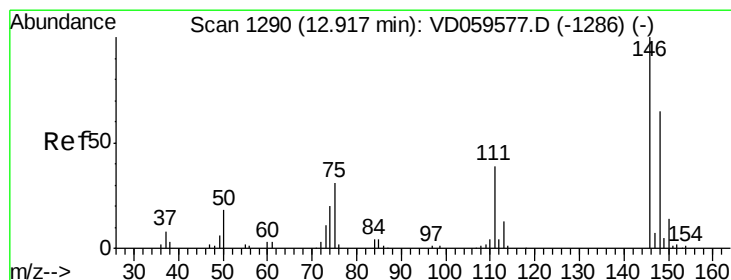
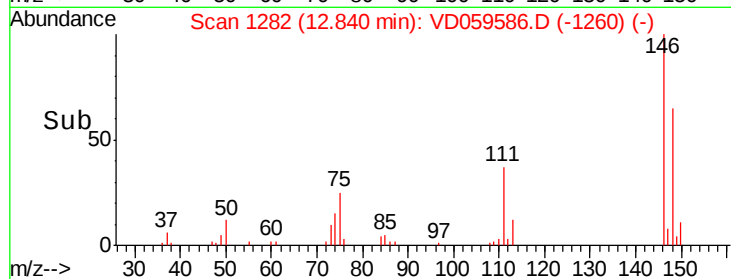
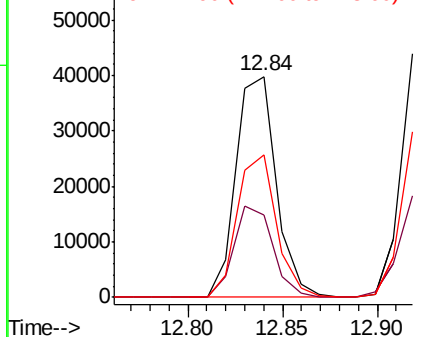
#87
 1,3-Dichlorobenzene
 Concen: 20.92 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

Tot Ion:146 Resp: 58440
 Ion Ratio Lower Upper
 146 100
 111 37.1 22.2 66.6
 148 64.8 31.8 95.3

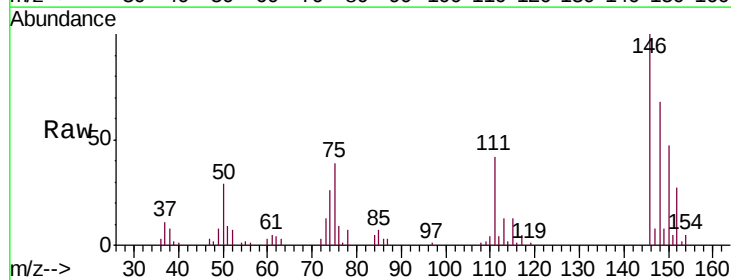


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

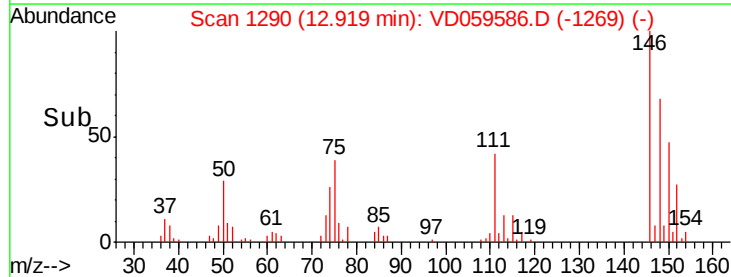
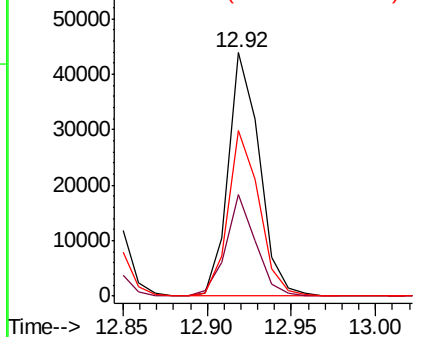


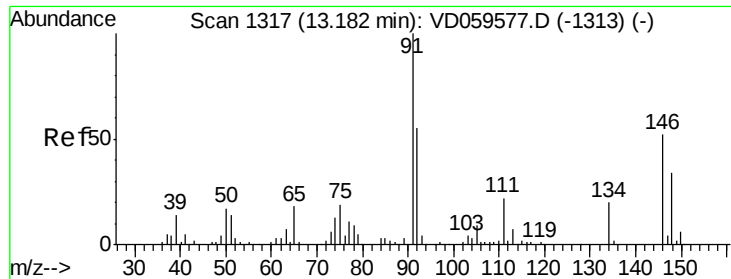
#88
 1,4-Dichlorobenzene
 Concen: 21.02 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion:146 Resp: 56553
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.3 57.9
 148 68.1 32.4 97.2



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





#89

n-Butylbenzene

Concen: 19.79 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059586.D

Acq: 25 Jul 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBS01

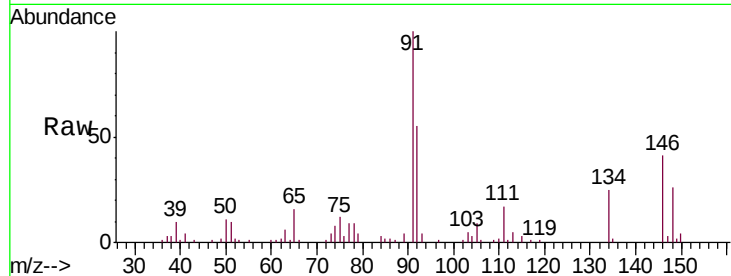
Tot Ion: 91 Resp: 92263

Ion Ratio Lower Upper

91 100

92 55.2 27.6 82.7

134 25.2 10.1 30.3

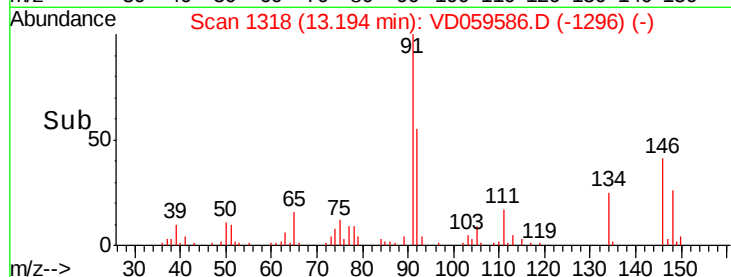


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->

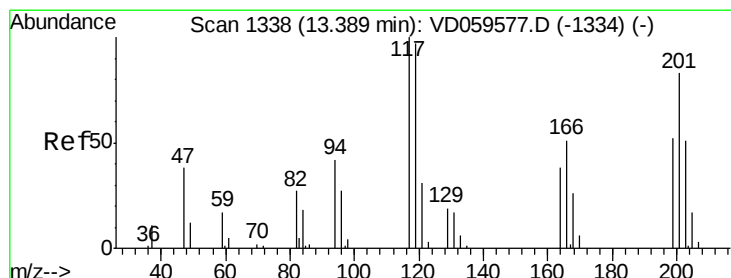


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->



#90

Hexachloroethane

Concen: 19.32 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VD059586.D

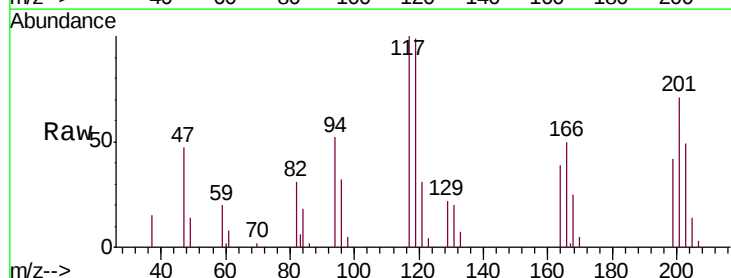
Acq: 25 Jul 2018 13:37

Tgt Ion: 117 Resp: 24927

Ion Ratio Lower Upper

117 100

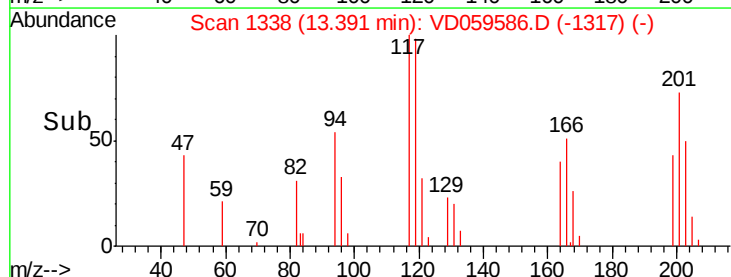
201 71.1 41.5 124.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

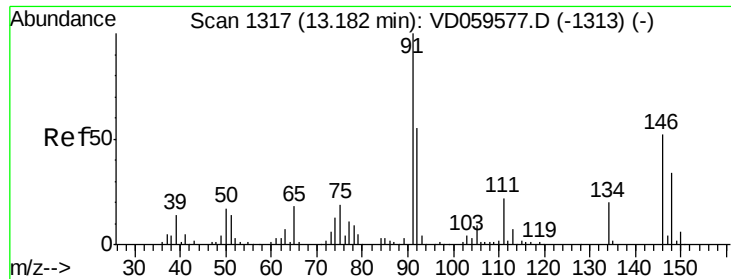
Time-->



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

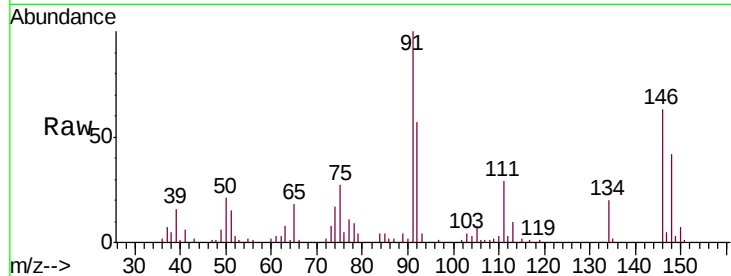
Time-->



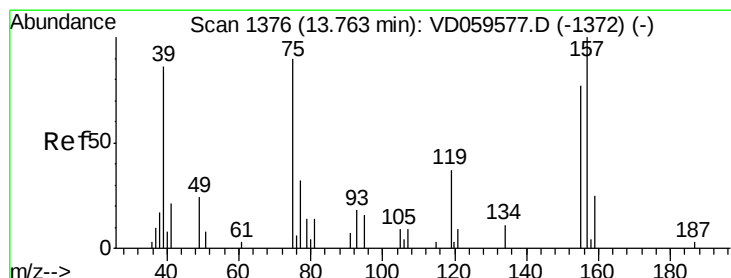
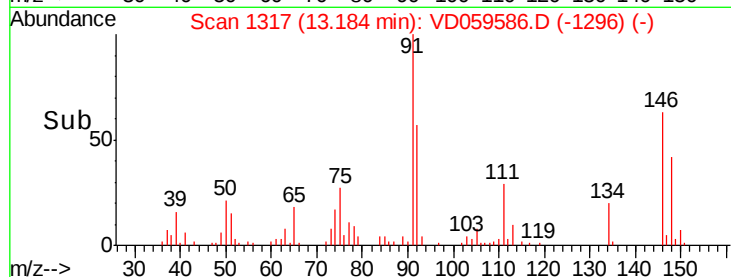
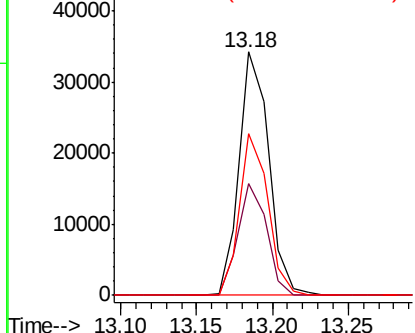
#91
 1,2-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

Tot Ion:146 Resp: 46431
 Ion Ratio Lower Upper
 146 100
 111 45.9 21.4 64.3
 148 66.4 32.6 98.0

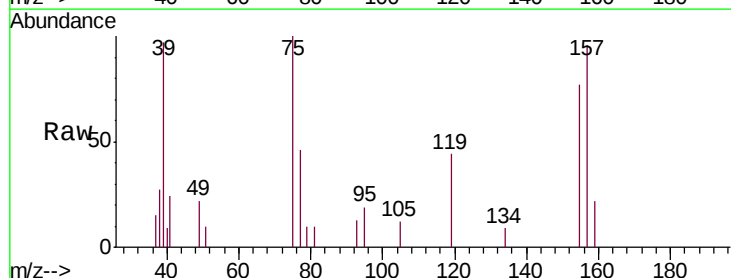


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

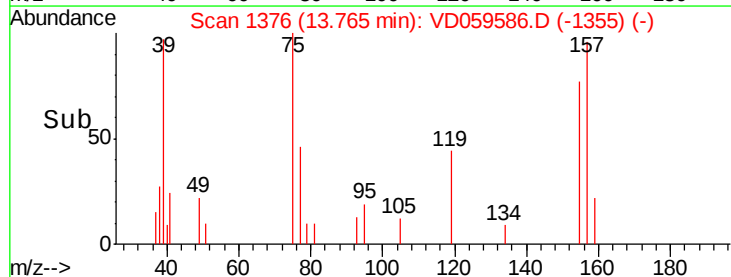
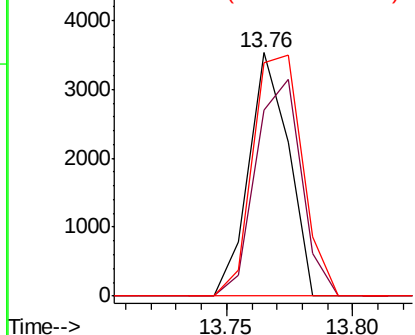


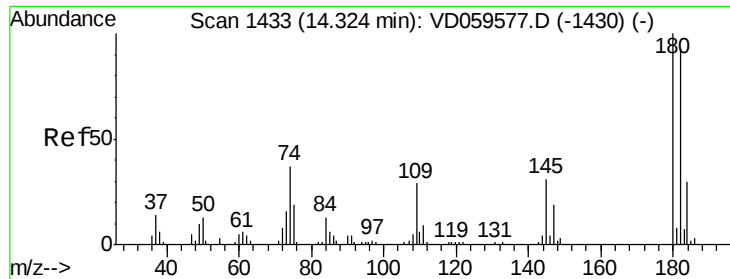
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.68 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion: 75 Resp: 3874
 Ion Ratio Lower Upper
 75 100
 155 76.6 42.5 127.5
 157 95.6 55.5 166.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

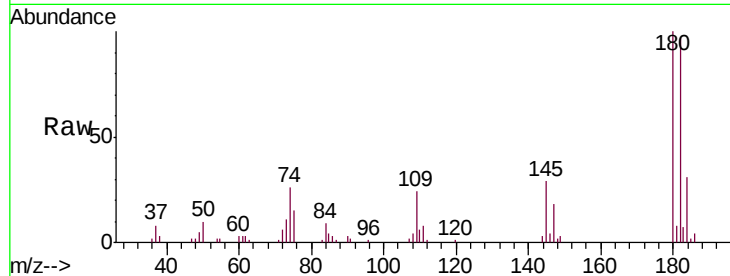




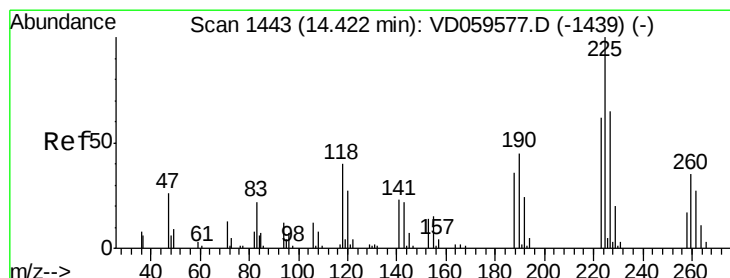
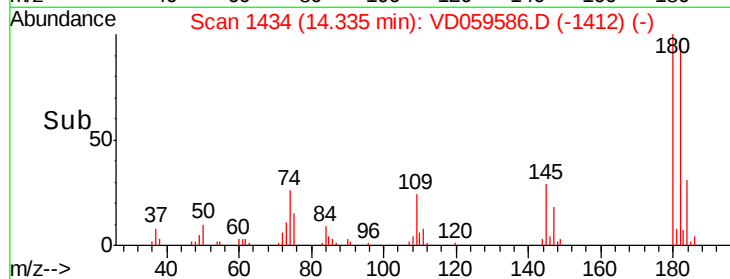
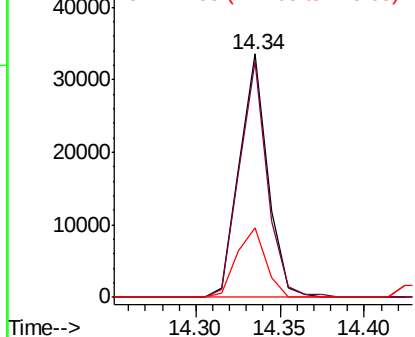
#93
 1,2,4-Trichlorobenzene
 Concen: 20.15 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBSD01

Tot Ion:180 Resp: 39105
 Ion Ratio Lower Upper
 180 100
 182 96.9 46.4 139.2
 145 28.8 15.7 47.0

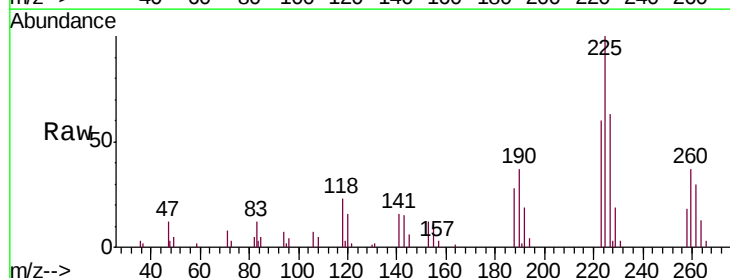


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

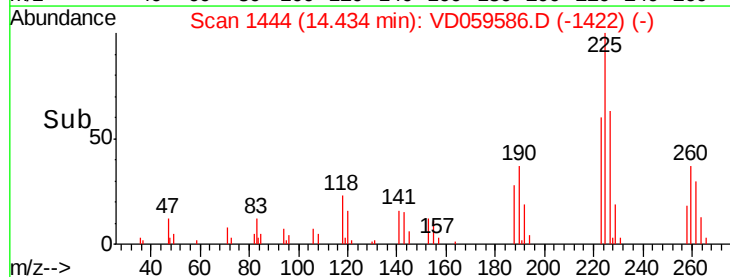
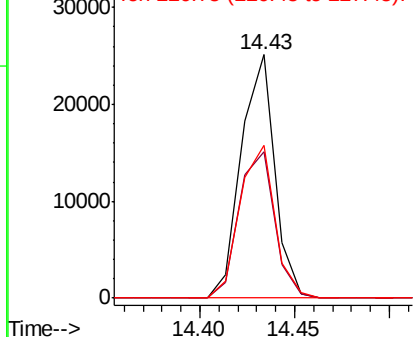


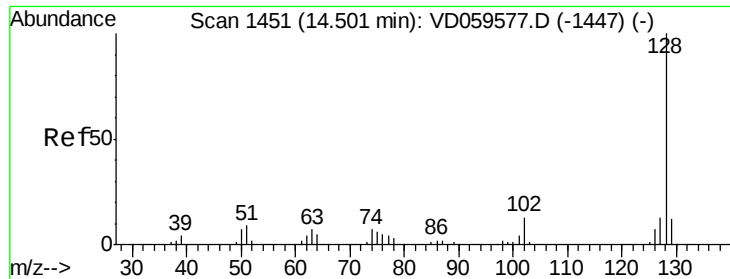
#94
 Hexachlorobutadiene
 Concen: 20.07 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059586.D
 Acq: 25 Jul 2018 13:37

Tgt Ion:225 Resp: 30721
 Ion Ratio Lower Upper
 225 100
 223 60.2 31.1 93.5
 227 63.0 32.4 97.2



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

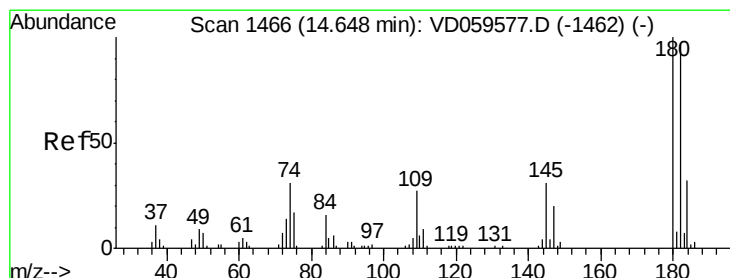
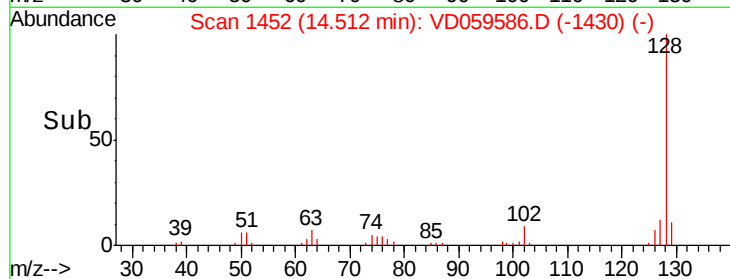
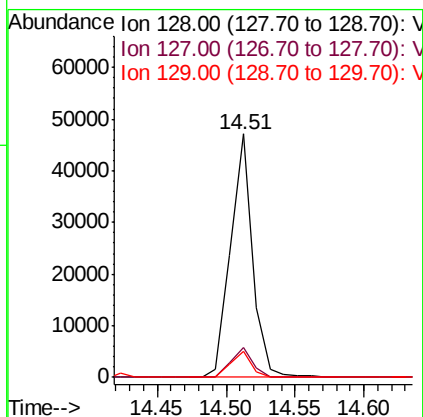
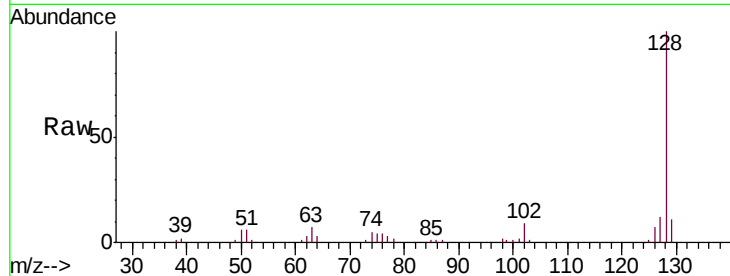




#95
Naphthalene
Concen: 18.95 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBSD01

Tot Ion:128 Resp: 52302
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 10.8 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 19.63 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD059586.D
Acq: 25 Jul 2018 13:37

Tgt Ion:180 Resp: 34474
Ion Ratio Lower Upper
180 100
182 91.1 48.6 145.9
145 34.3 15.6 46.7

