

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058369.D
 Acq On : 24 Jun 2018 14:00
 Operator : VA/AP
 Sample : J3671-11
 Misc : 7.05g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:01:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	865330	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1144629	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	892847	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	449455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	446087	51.04	ug/l	0.02
Spiked Amount			Recovery	=	102.08%	
35) Dibromofluoromethane	5.56	113	443296	47.58	ug/l	0.01
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	8.72	98	1053485	46.74	ug/l	0.01
Spiked Amount			Recovery	=	93.48%	
62) 4-Bromofluorobenzene	11.94	95	442698	48.08	ug/l	0.01
Spiked Amount			Recovery	=	96.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	527	Below Cal	#	43
3) Chloromethane	1.48	50	3338	Below Cal		89
4) Vinyl Chloride	1.55	62	1102642	243.244	ug/l	98
5) Bromomethane	1.78	94	210	Below Cal	#	3
6) Chloroethane	1.90	64	240	1.529	ug/l	41
11) Tert butyl alcohol	3.20	59	6675	23.155	ug/l	78
12) 1,1-Dichloroethene	2.56	96	371444	124.943	ug/l	92
13) Acrolein	2.38	56	347	2.109	ug/l	11
15) Acrylonitrile	3.39	53	2123	2.777	ug/l	1
16) Acetone	2.63	43	128825	107.774	ug/l	92
18) Methyl Acetate	2.95	43	12380	4.856	ug/l	96
20) Methylene Chloride	3.08	84	32951	6.405	ug/l	90
21) trans-1,2-Dichloroethene	3.39	96	511949	157.566	ug/l	85
24) 1,1-Dichloroethane	3.99	63	465006	31.408	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	18837274	2320.078	ug/l	84
29) Tetrahydrofuran	5.23	42	4315	3.112	ug/l	54
30) Chloroform	5.33	83	98571	6.306	ug/l	98
31) Cyclohexane	5.60	56	214705	16.468	ug/l	90
36) 1,1-Dichloropropene	5.65	75	68168	6.020	ug/l	49
38) Carbon Tetrachloride	5.66	117	70707	6.284	ug/l	16
39) Methylcyclohexane	7.30	83	249065	22.582	ug/l	99
40) Benzene	6.03	78	561562	20.819	ug/l	99
42) 1,2-Dichloroethane	6.14	62	14210	1.307	ug/l	64
43) Isopropyl Acetate	7.66	43	18174	2.113	ug/l	61
44) Trichloroethene	6.99	130	6706706	828.033	ug/l	90
48) Methyl methacrylate	7.56	41	9986	1.910	ug/l	67
49) 1,4-Dioxane	7.05	88	879	18.627	ug/l	29
51) 4-Methyl-2-Pentanone	8.71	43	38441	6.852	ug/l	81
52) Toluene	8.82	92	121289	7.897	ug/l	93
55) 1,1,2-Trichloroethane	9.47	97	36717	6.757	ug/l	86
56) Ethyl methacrylate	9.39	69	13307	2.048	ug/l	1
59) 2-Hexanone	9.75	43	44943	11.086	ug/l	38
64) Tetrachloroethene	9.53	164	826764	110.051	ug/l	99
65) Chlorobenzene	10.74	112	1864682	111.650	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058369.D
 Acq On : 24 Jun 2018 14:00
 Operator : VA/AP
 Sample : J3671-11
 Misc : 7.05g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:01:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

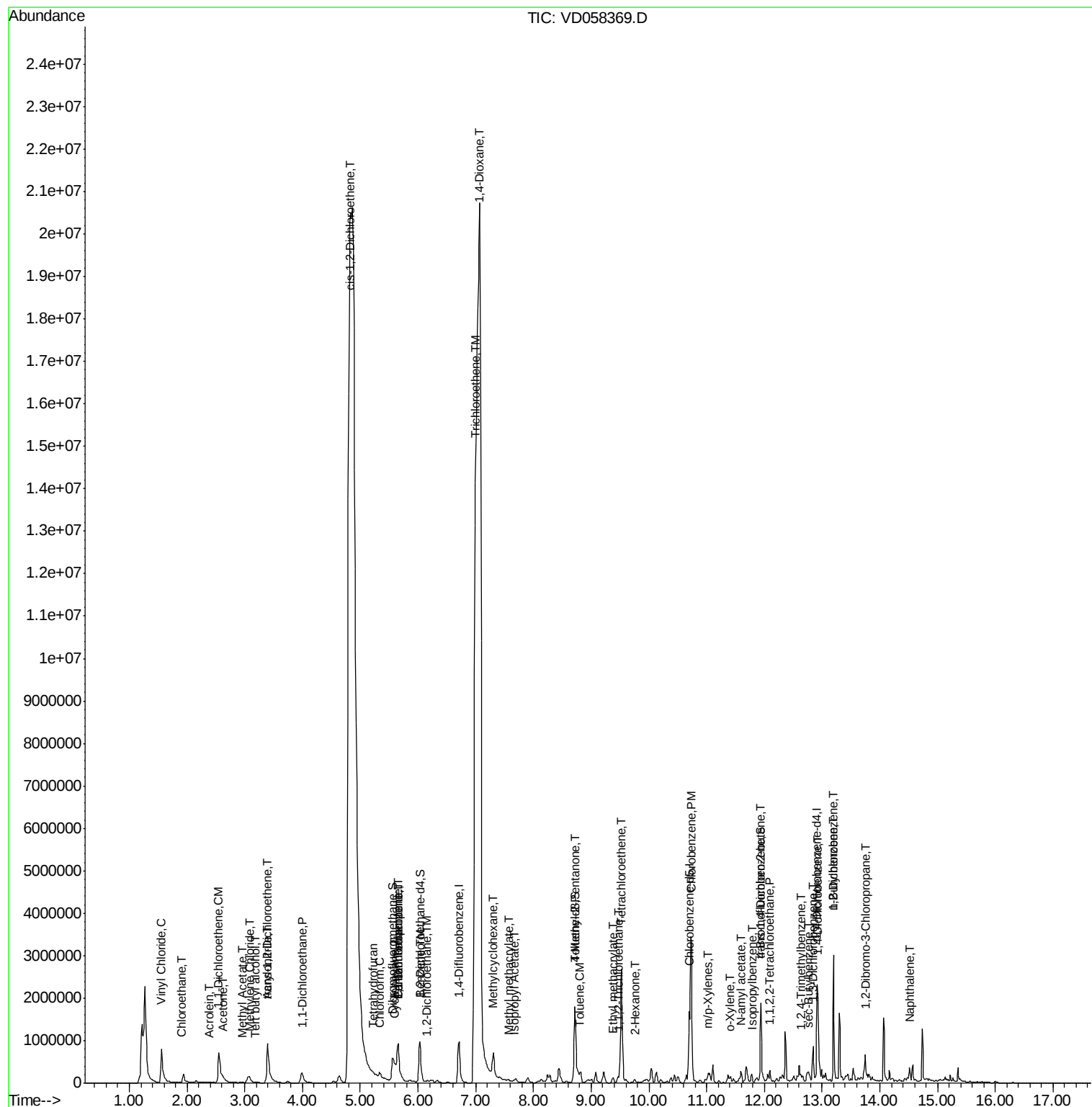
68) m/p-Xylenes	11.02	106	48132	4.895	ug/l	96
69) o-Xylene	11.42	106	23550	2.508	ug/l	91
73) Isopropylbenzene	11.78	105	88628	3.297	ug/l	99
74) N-amyl acetate	11.60	43	24580	2.365	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.09	83	15491	2.476	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.94	75	200087	125.018	ug/l #	2
82) 4-Chlorotoluene	12.33	91	4541	Below Cal		80
84) 1,2,4-Trimethylbenzene	12.63	105	54812	2.405	ug/l	98
85) sec-Butylbenzene	12.77	105	92557	3.275	ug/l	90
87) 1,3-Dichlorobenzene	12.84	146	195262	13.955	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	403049	29.498	ug/l	98
89) n-Butylbenzene	13.20	91	72875	3.028	ug/l	95
91) 1,2-Dichlorobenzene	13.20	146	831160	69.802	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	2869	2.881	ug/l #	1
95) Naphthalene	14.52	128	155025	10.334	ug/l	100

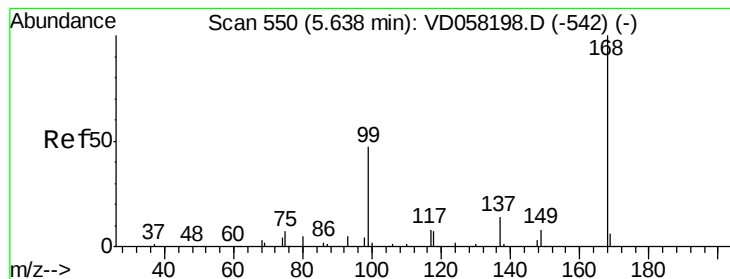
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058369.D
Acq On : 24 Jun 2018 14:00
Operator : VA/AP
Sample : J3671-11
Misc : 7.05g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 25 04:01:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

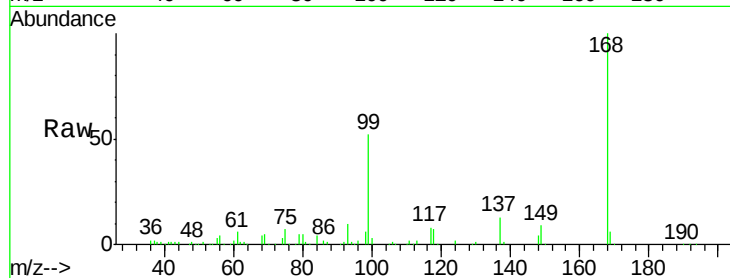
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 865330

Ion Ratio Lower Upper

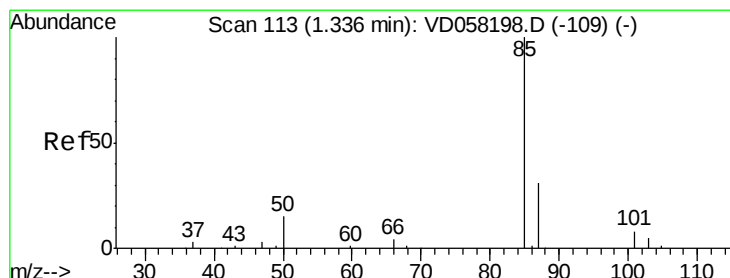
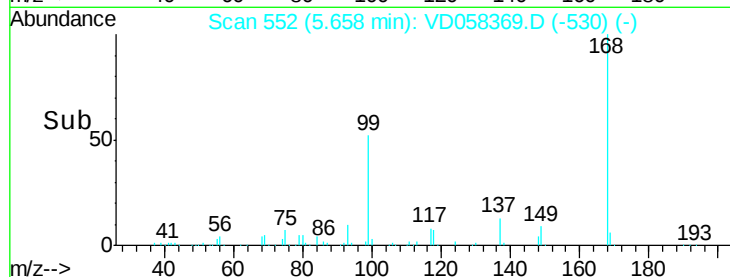
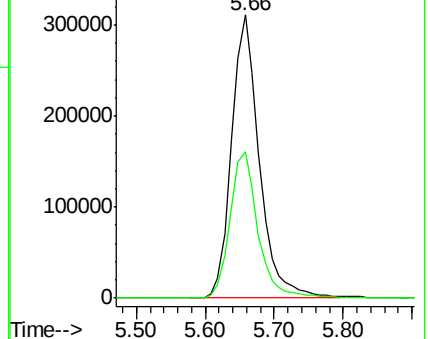
168 100

99 51.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058369.D

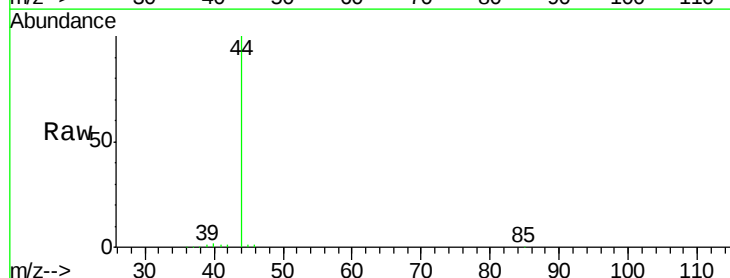
Acq: 24 Jun 2018 14:00

Tgt Ion: 85 Resp: 527

Ion Ratio Lower Upper

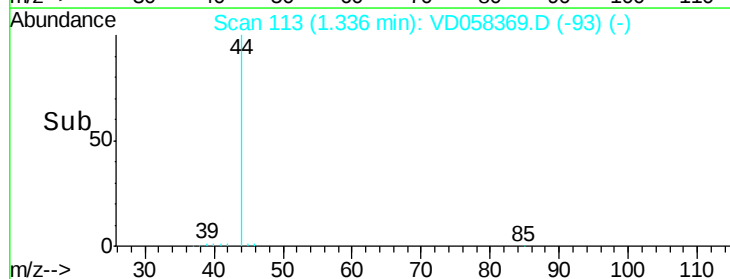
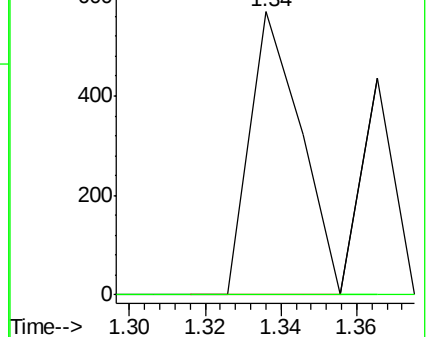
85 100

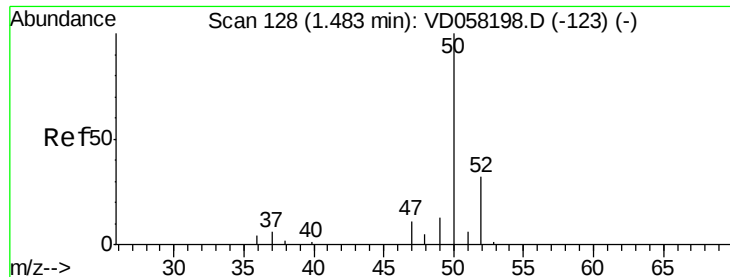
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

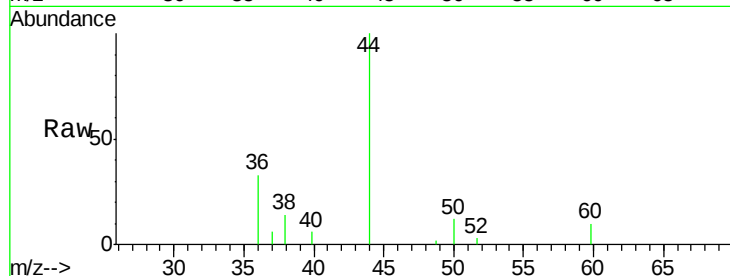
ClientSampled :

Tot Ion: 50 Resp: 3338

Ion Ratio Lower Upper

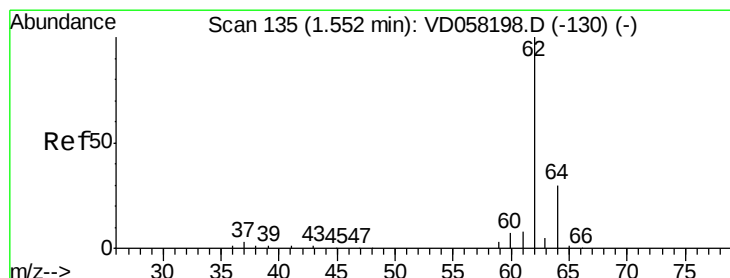
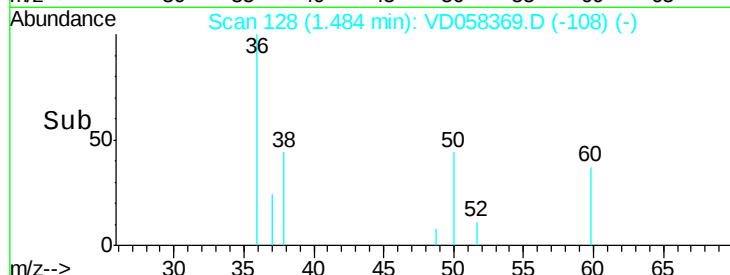
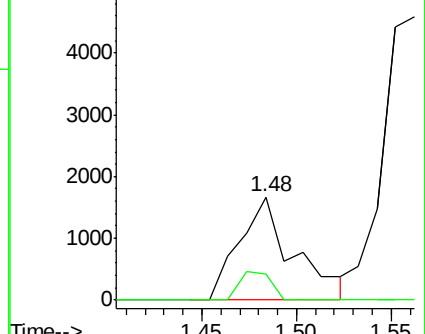
50 100

52 25.2 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 243.244 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058369.D

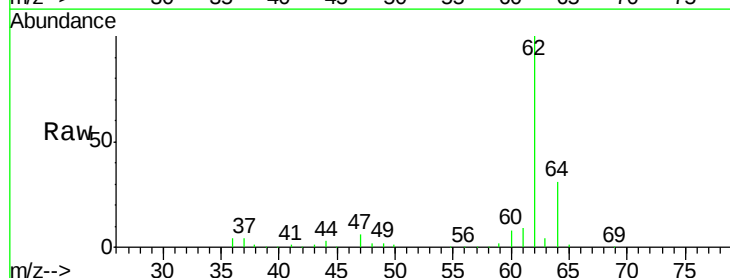
Acq: 24 Jun 2018 14:00

Tgt Ion: 62 Resp: 1102642

Ion Ratio Lower Upper

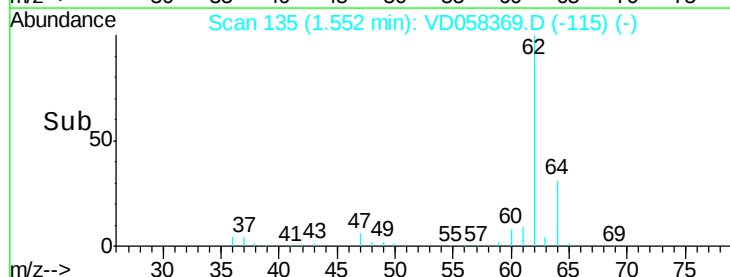
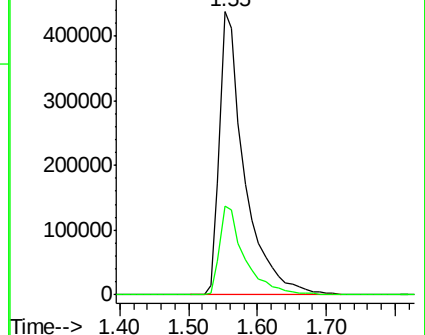
62 100

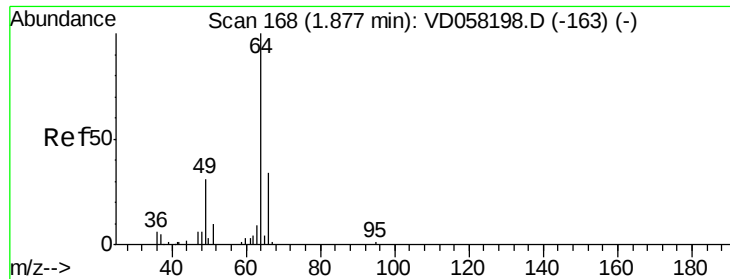
64 31.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 1.529 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

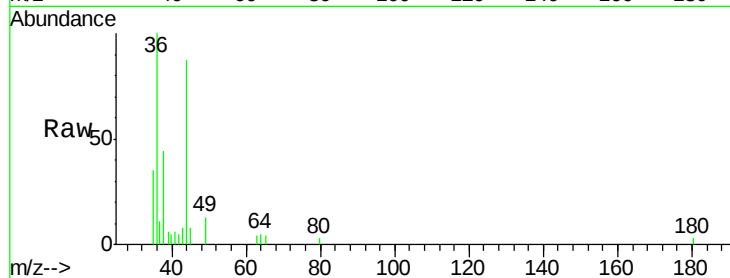
ClientSampleId :

Tot Ion: 64 Resp: 240

Ion Ratio Lower Upper

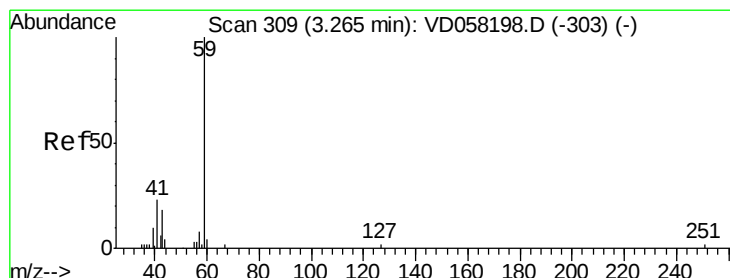
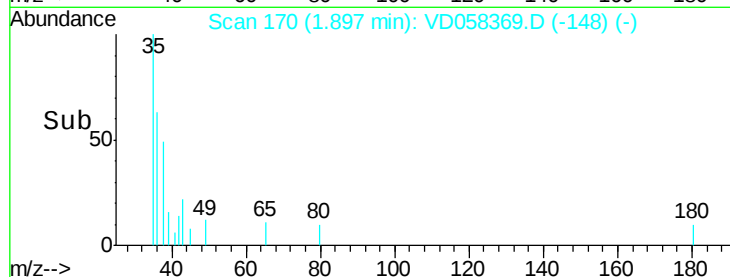
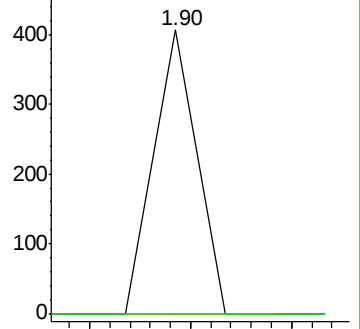
64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#11

Tert butyl alcohol

Concen: 23.155 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.07 min

Lab File: VD058369.D

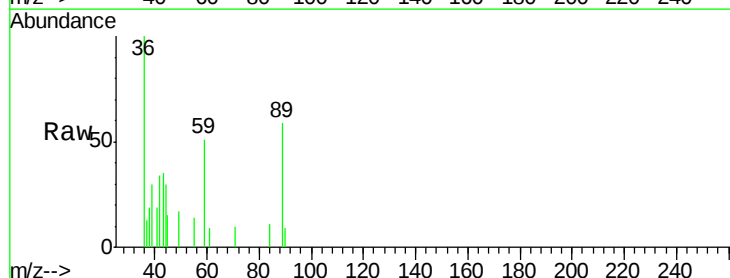
Acq: 24 Jun 2018 14:00

Tgt Ion: 59 Resp: 6675

Ion Ratio Lower Upper

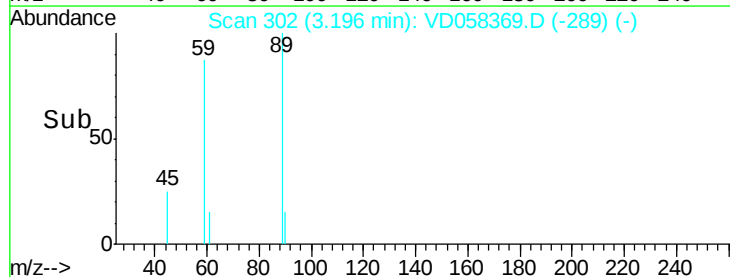
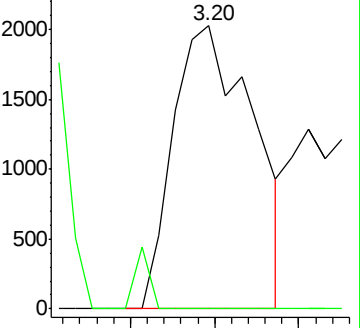
59 100

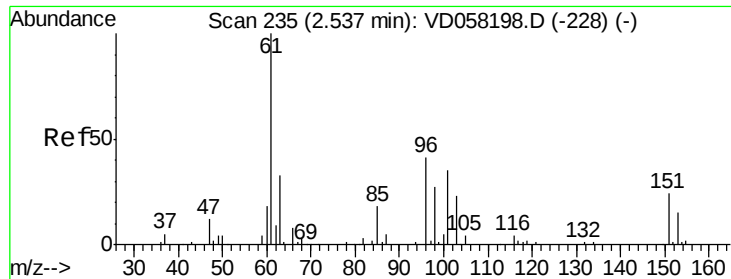
57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

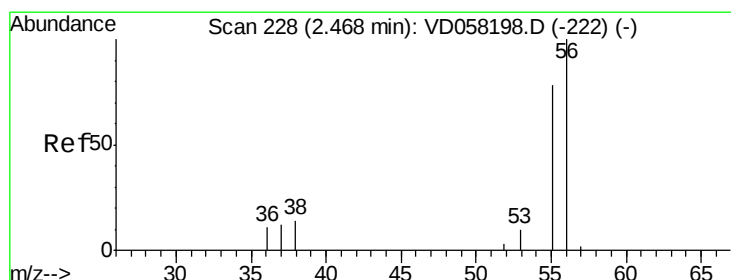
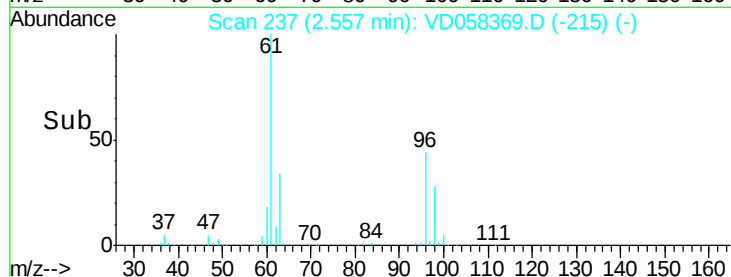
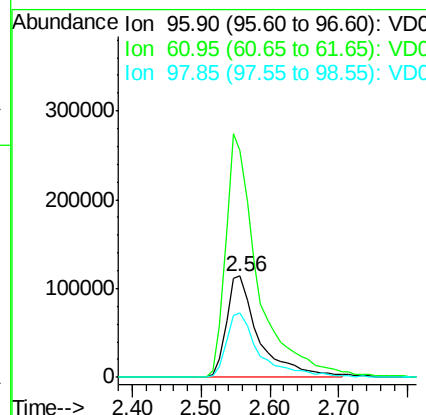
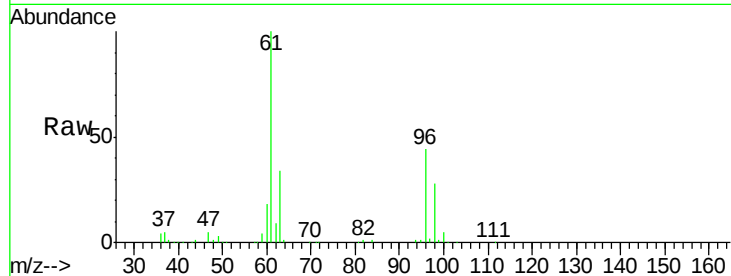




#12
 1,1-Dichloroethene
 Concen: 124.943 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: VD058369.D
 Acq: 24 Jun 2018 14:00

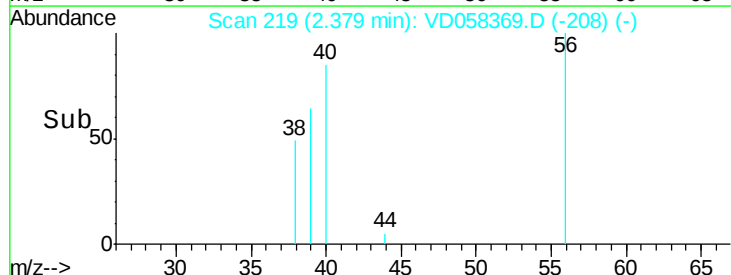
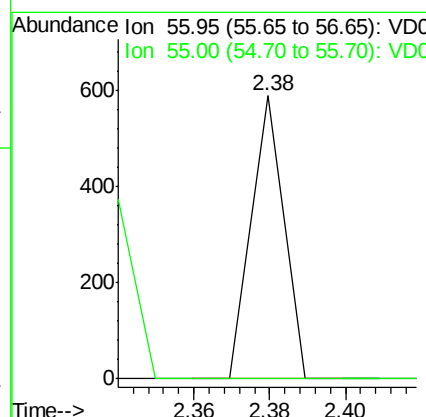
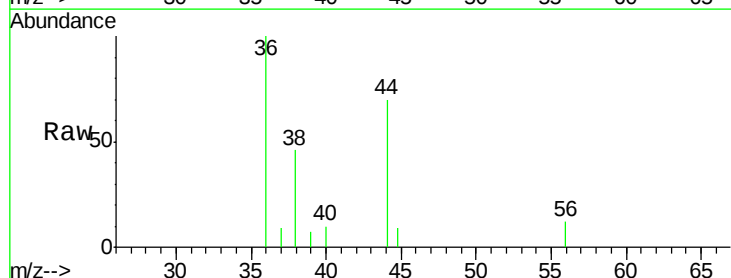
Instrument :
 MSVOA_D
 ClientSampleId :

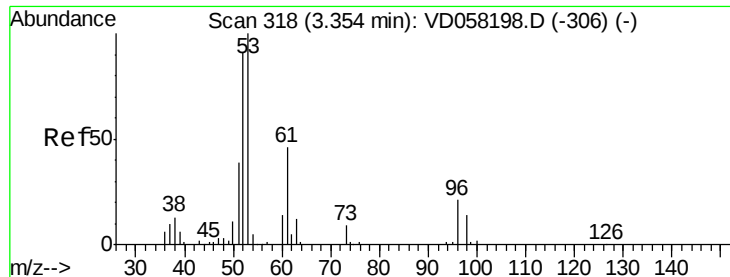
Tot Ion: 96 Resp: 371444
 Ion Ratio Lower Upper
 96 100
 61 224.8 193.9 290.9
 98 63.9 51.7 77.5



#13
 Acrolein
 Concen: 2.109 ug/l
 RT: 2.38 min Scan# 219
 Delta R.T. -0.09 min
 Lab File: VD058369.D
 Acq: 24 Jun 2018 14:00

Tgt Ion: 56 Resp: 347
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.1 93.1#





#15

Acrylonitrile

Concen: 2.777 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.04 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

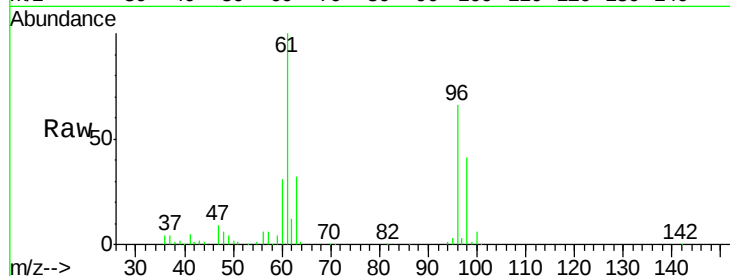
Tot Ion: 53 Resp: 2123

Ion Ratio Lower Upper

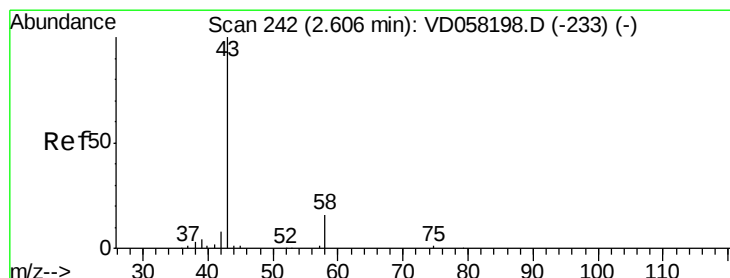
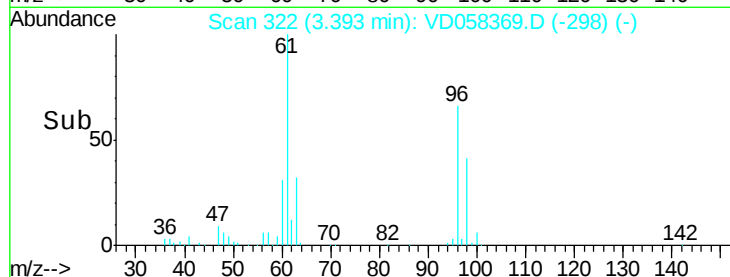
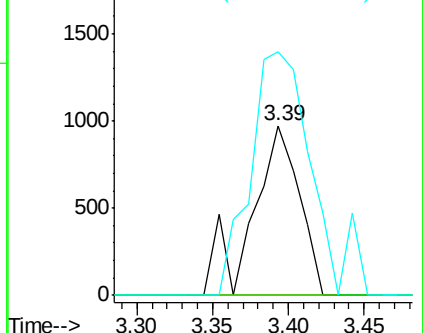
53 100

52 0.0 72.6 108.8#

51 143.3 32.2 48.4#



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



#16

Acetone

Concen: 107.774 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058369.D

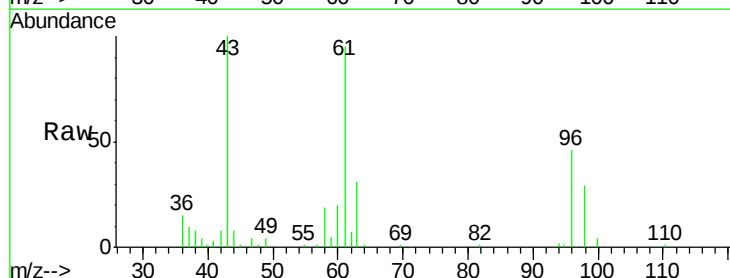
Acq: 24 Jun 2018 14:00

Tgt Ion: 43 Resp: 128825

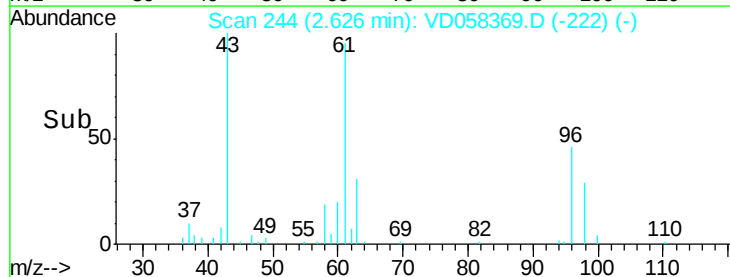
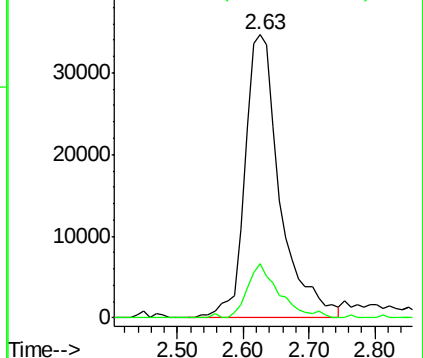
Ion Ratio Lower Upper

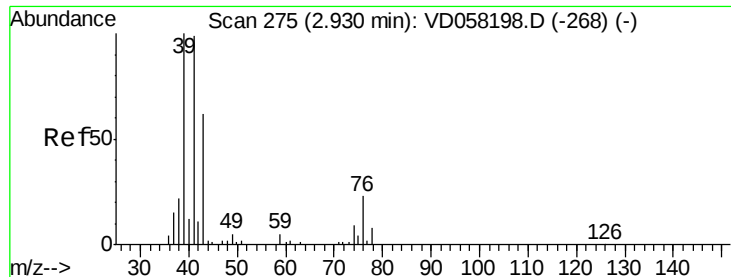
43 100

58 19.3 12.7 19.1#



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

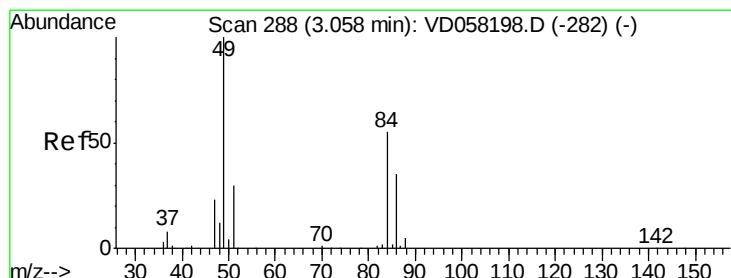
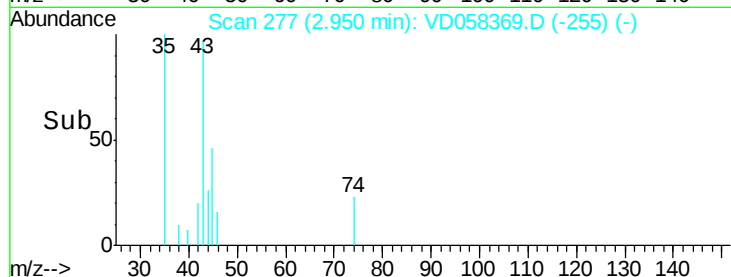
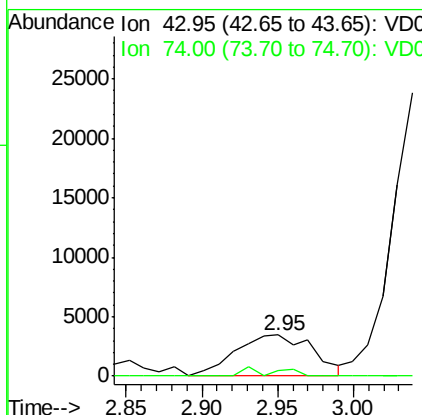
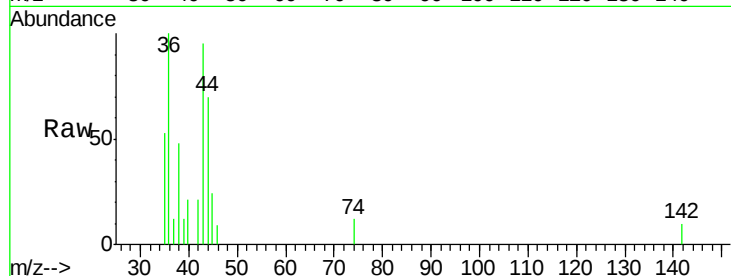




#18
Methyl Acetate
Concen: 4.856 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

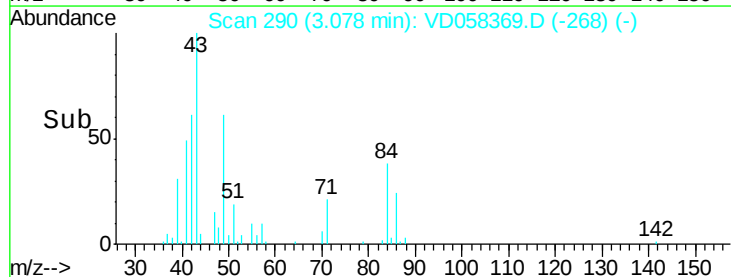
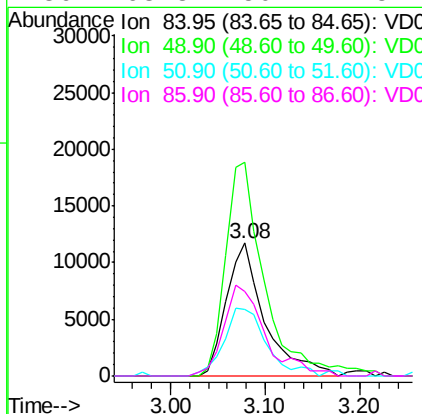
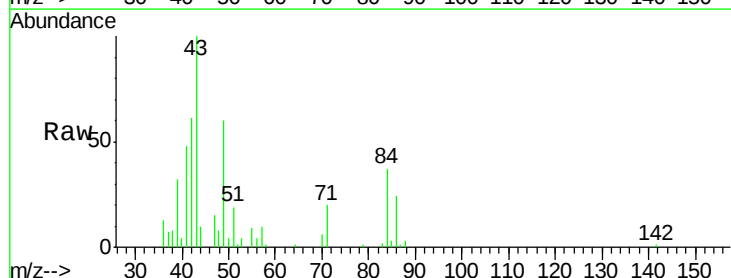
Instrument :
MSVOA_D
ClientSampled :

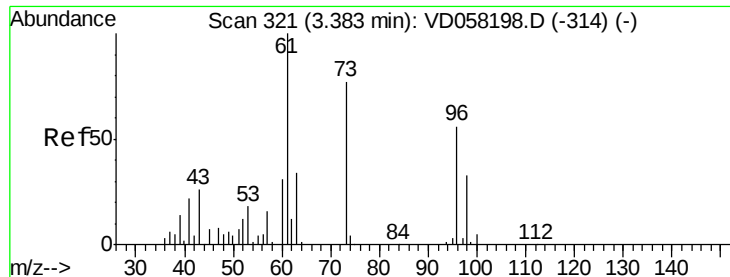
Tot Ion: 43 Resp: 12380
Ion Ratio Lower Upper
43 100
74 12.9 11.7 17.5



#20
Methylene Chloride
Concen: 6.405 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion: 84 Resp: 32951
Ion Ratio Lower Upper
84 100
49 160.5 145.0 217.6
51 49.8 42.9 64.3
86 63.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 157.566 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

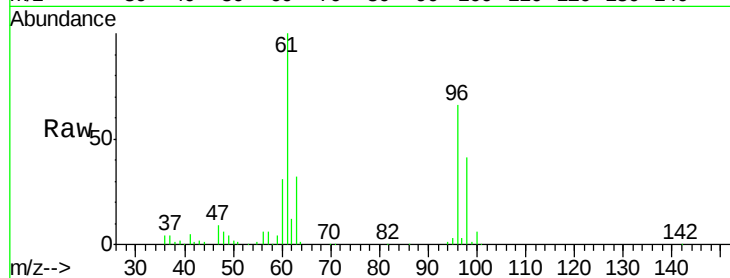
Tot Ion: 96 Resp: 511949

Ion Ratio Lower Upper

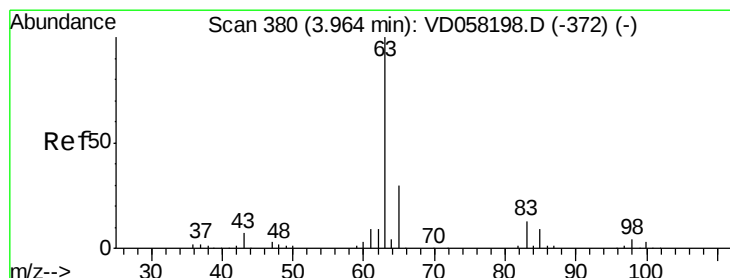
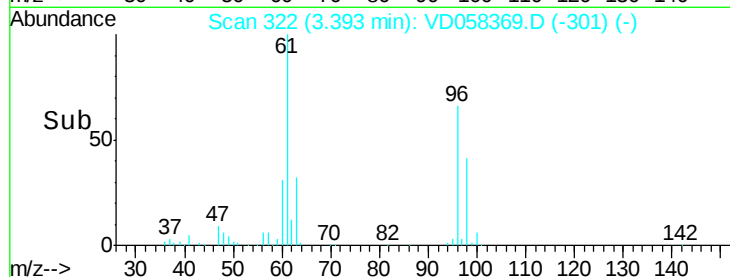
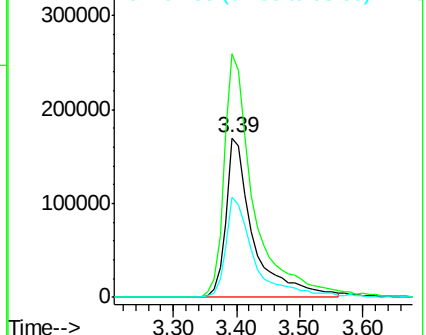
96 100

61 152.5 143.8 215.6

98 62.6 48.0 72.0



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



#24

1,1-Dichloroethane

Concen: 31.408 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

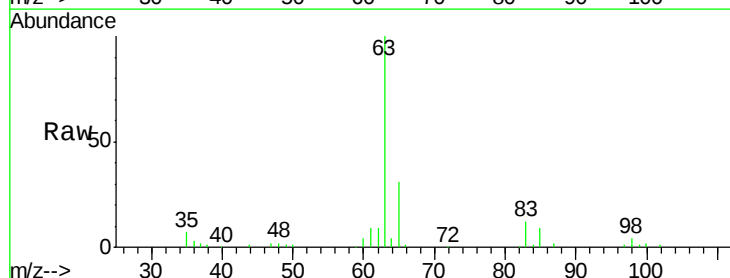
Tgt Ion: 63 Resp: 465006

Ion Ratio Lower Upper

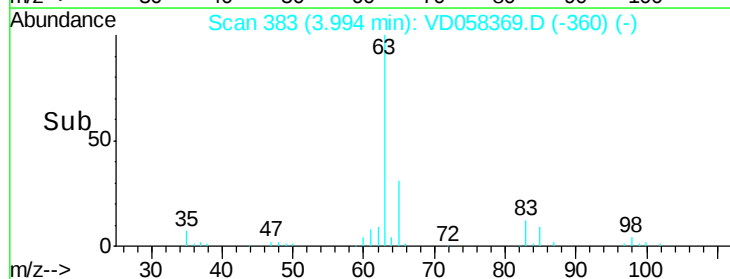
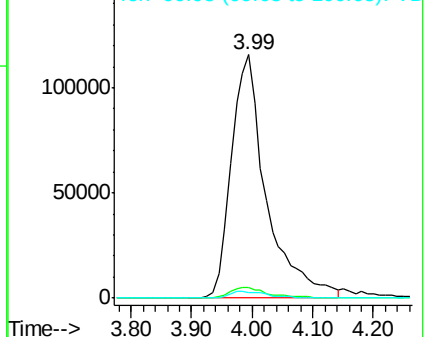
63 100

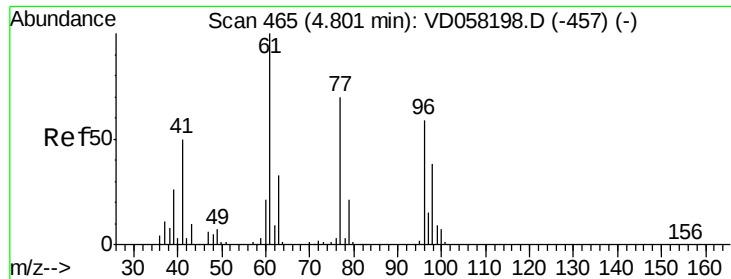
98 4.2 1.9 5.7

100 2.4 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



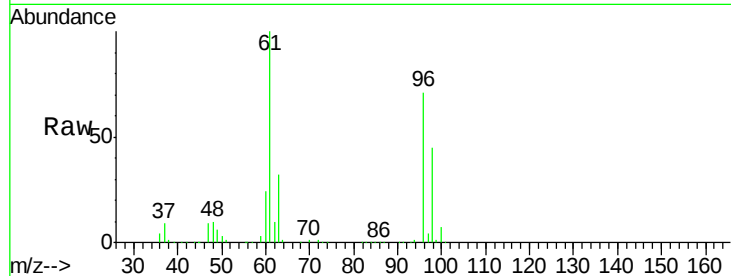


#27

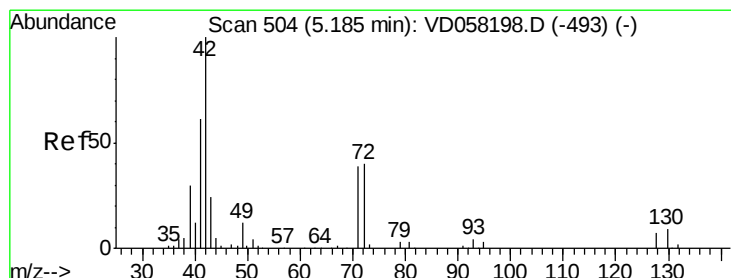
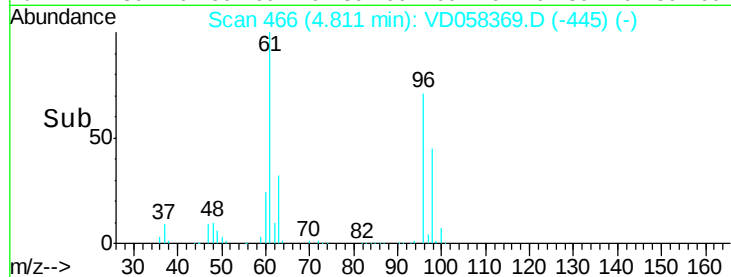
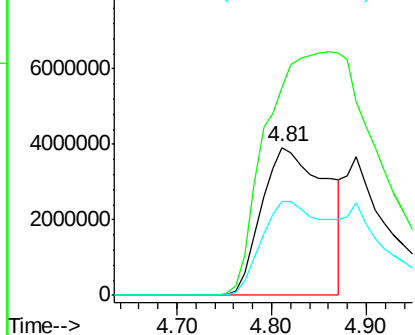
cis-1,2-Dichloroethene
Concen: 2320.078 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp:18837274
Ion Ratio Lower Upper
96 100
61 140.2 0.0 338.6
98 63.0 0.0 130.2



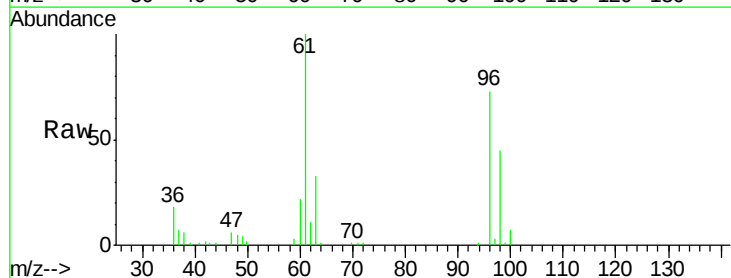
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



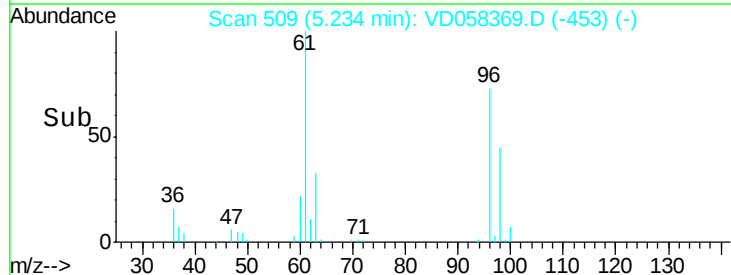
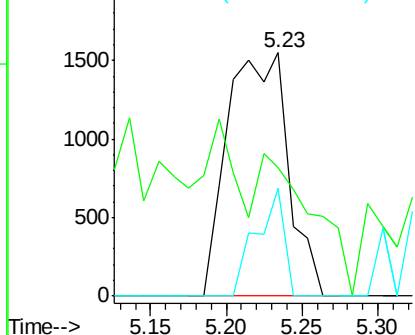
#29

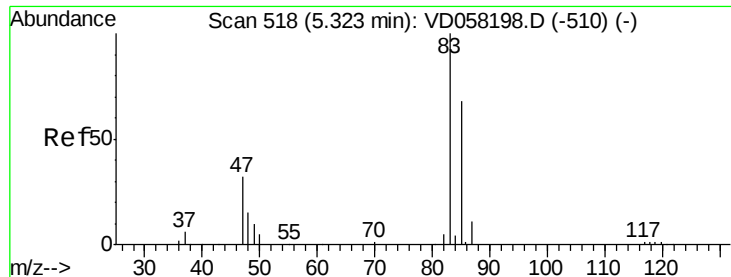
Tetrahydrofuran
Concen: 3.112 ug/l
RT: 5.23 min Scan# 509
Delta R.T. 0.05 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion: 42 Resp: 4315
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 20.3 30.1 45.1#



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

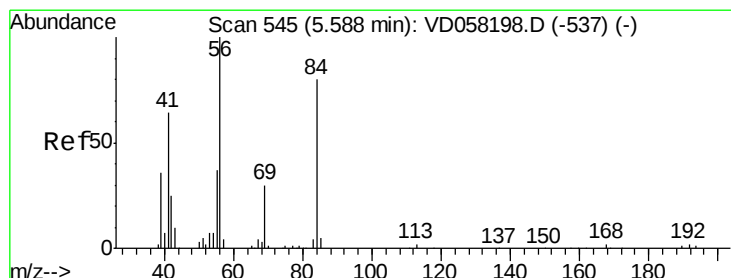
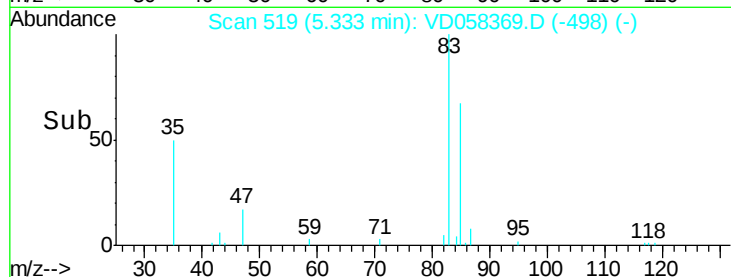
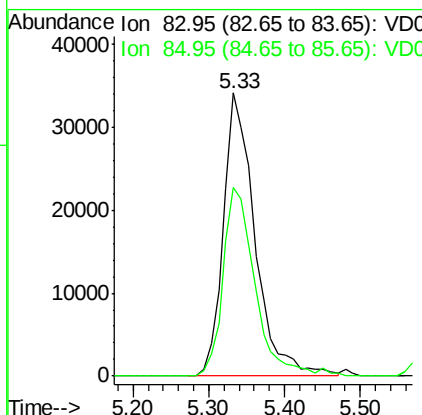
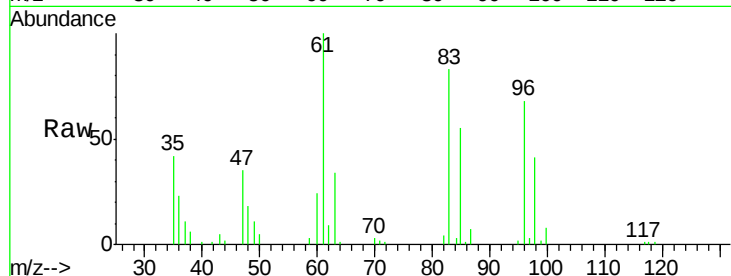




#30
Chloroform
Concen: 6.306 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

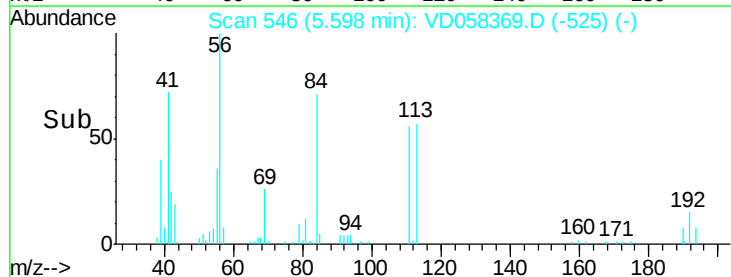
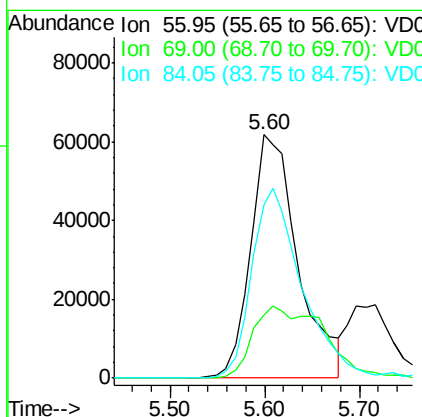
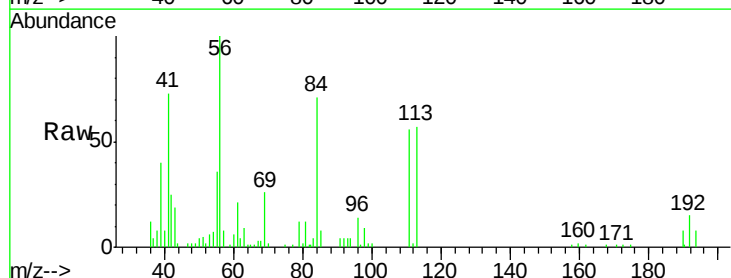
Instrument :
MSVOA_D
ClientSampleId :

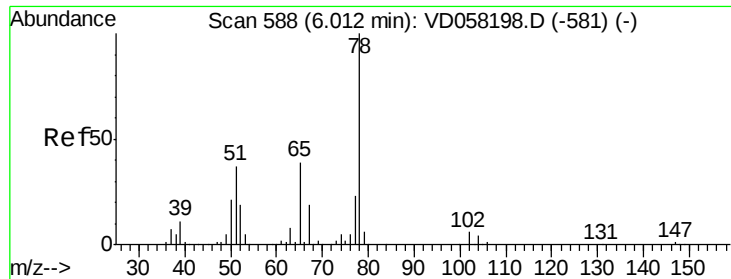
Tot Ion: 83 Resp: 98571
Ion Ratio Lower Upper
83 100
85 66.5 54.8 82.2



#31
Cyclohexane
Concen: 16.468 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion: 56 Resp: 214705
Ion Ratio Lower Upper
56 100
69 25.9 23.6 35.4
84 70.9 65.2 97.8





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

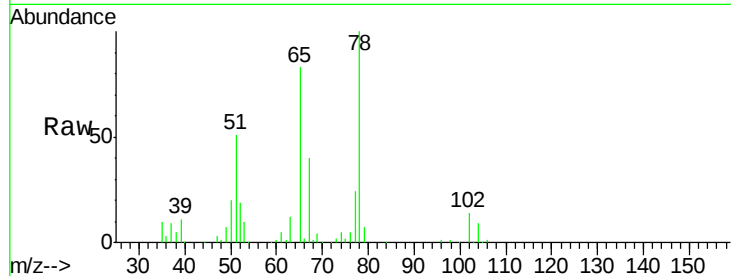
ClientSampleId :

Tot Ion: 65 Resp: 446087

Ion Ratio Lower Upper

65 100

67 48.2 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

150000

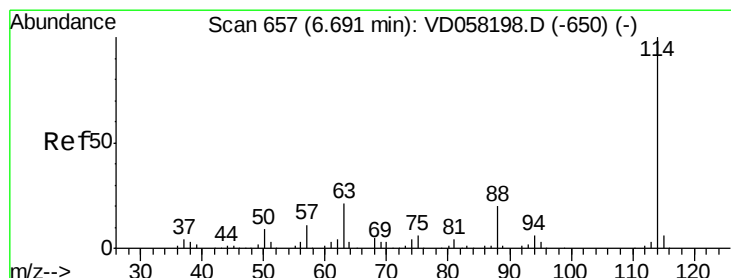
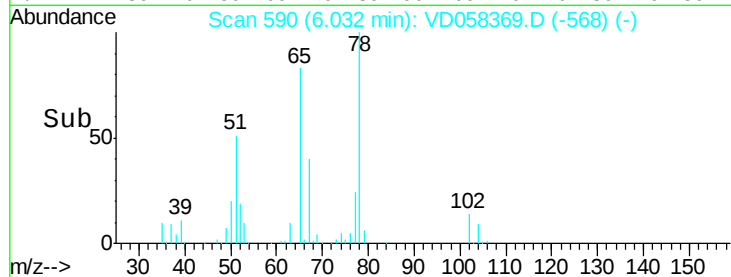
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.71 min Scan# 659

Delta R.T. 0.02 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

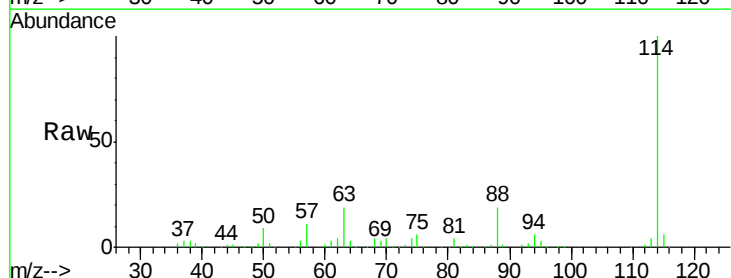
Tgt Ion: 114 Resp: 1144629

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 18.6 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.71

500000

400000

300000

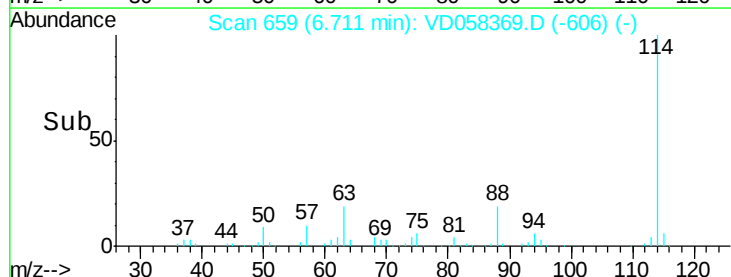
200000

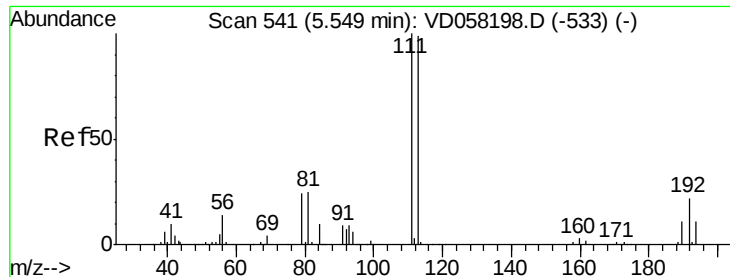
100000

0

Time-->

6.60 6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

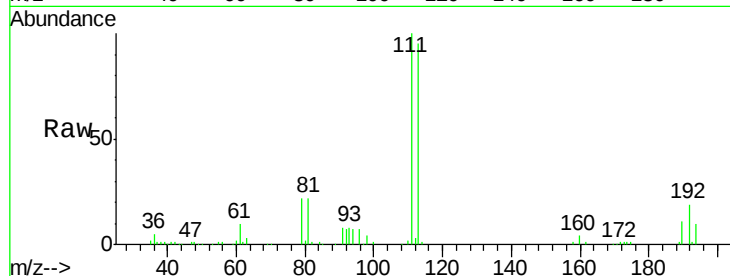
Tot Ion:113 Resp: 443296

Ion Ratio Lower Upper

113 100

111 104.8 80.6 121.0

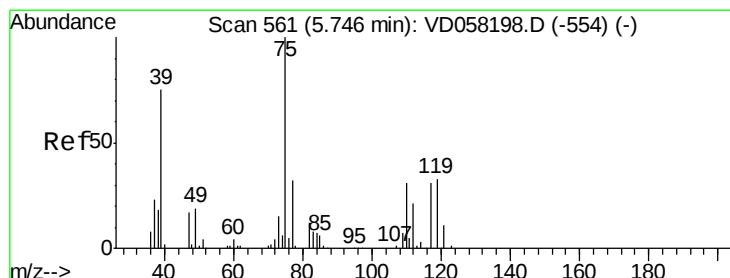
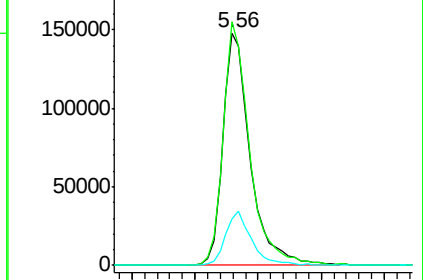
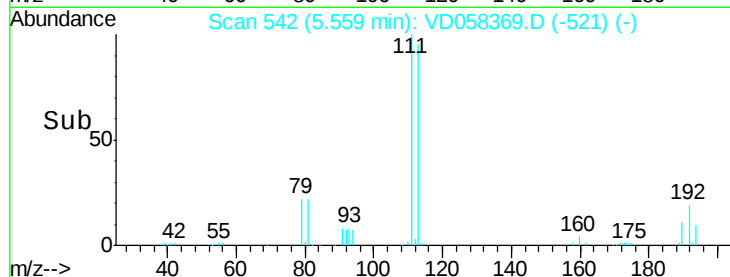
192 20.1 17.8 26.6



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: 6.020 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

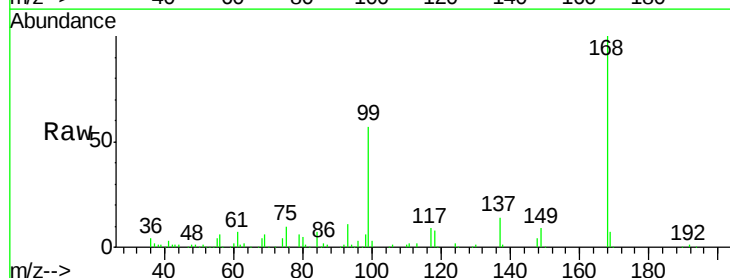
Tgt Ion: 75 Resp: 68168

Ion Ratio Lower Upper

75 100

110 6.4 15.4 46.4#

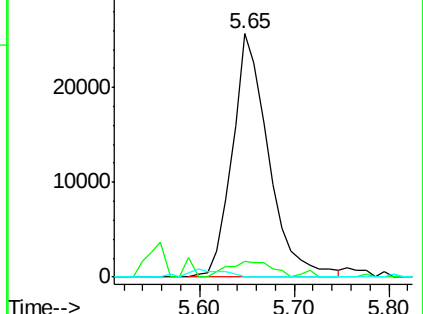
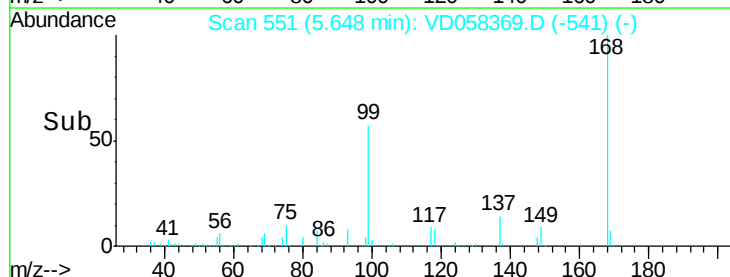
77 0.0 25.4 38.2#

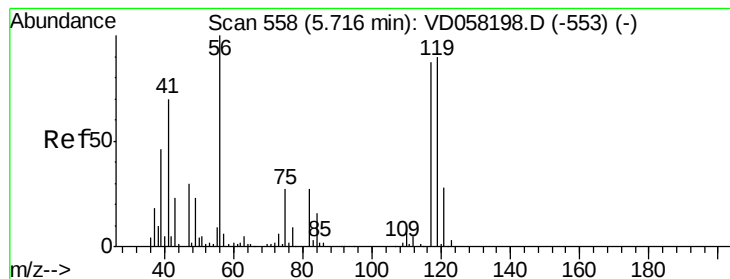


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.284 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

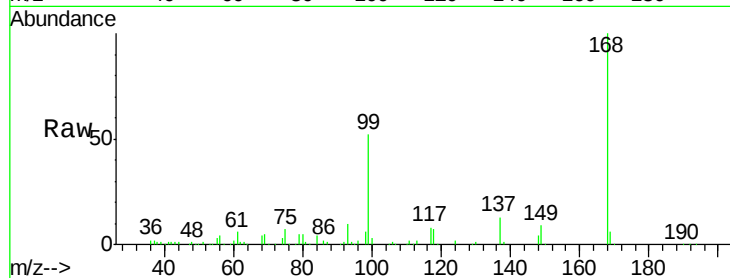
Tot Ion:117 Resp: 70707

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

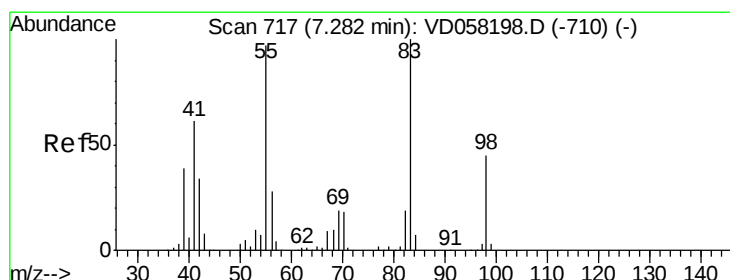
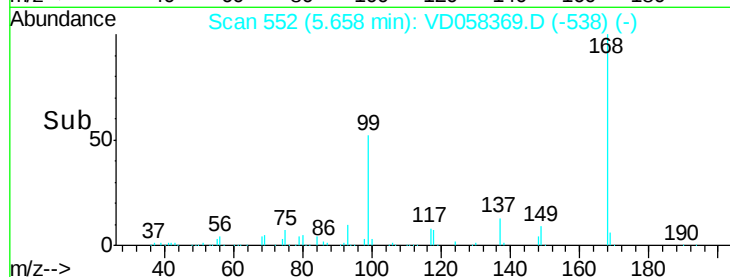
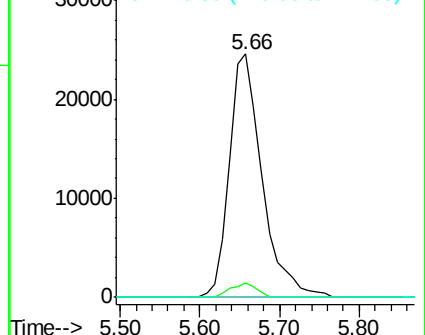
121 0.0 25.0 37.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 22.582 ug/l

RT: 7.30 min Scan# 719

Delta R.T. 0.02 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

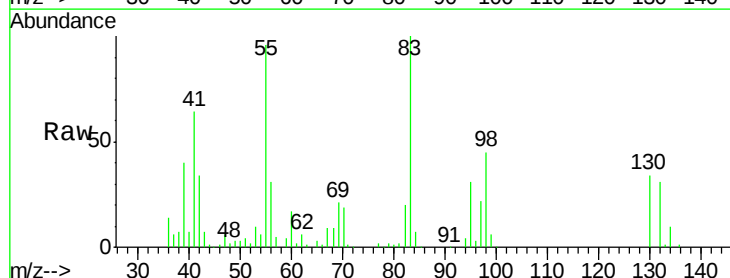
Tgt Ion: 83 Resp: 249065

Ion Ratio Lower Upper

83 100

55 95.8 77.4 116.2

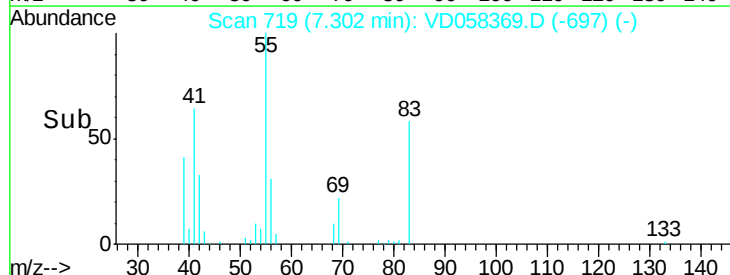
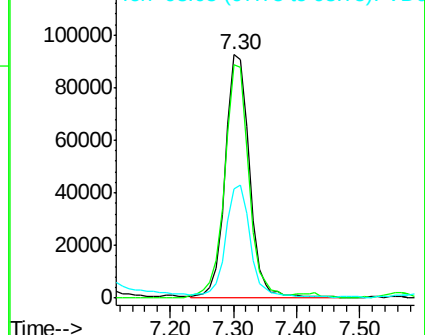
98 44.7 35.9 53.9

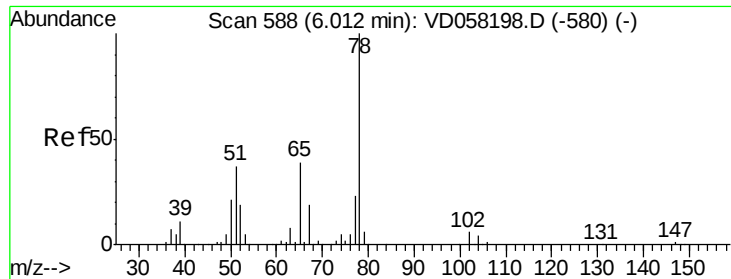


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 20.819 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

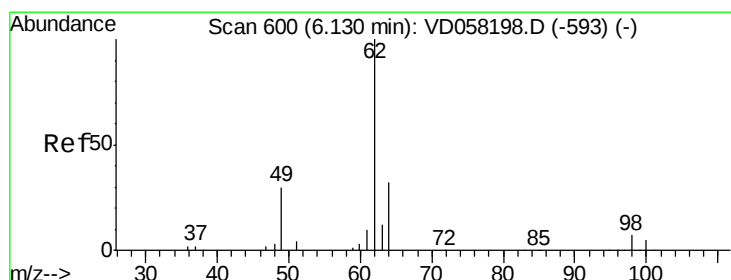
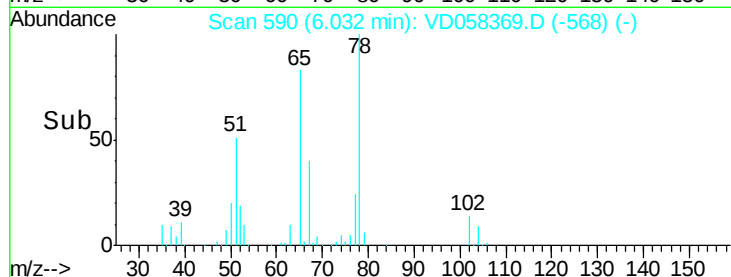
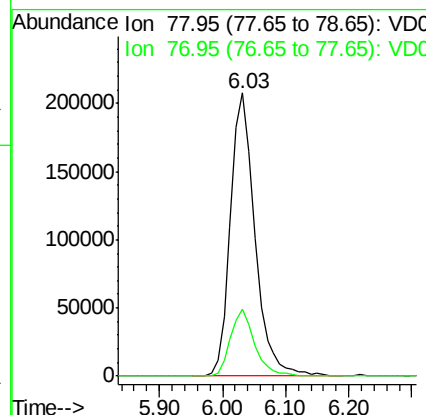
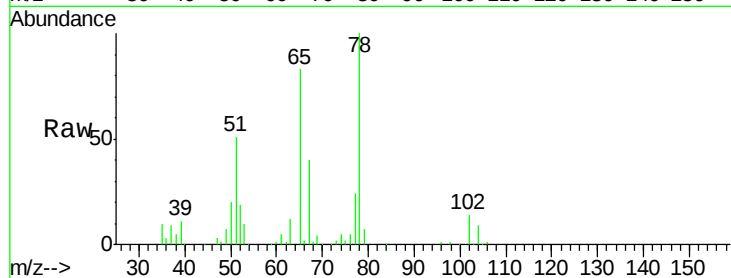
ClientSampleId :

Tot Ion: 78 Resp: 561562

Ion Ratio Lower Upper

78 100

77 23.7 18.5 27.7



#42

1,2-Dichloroethane

Concen: 1.307 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD058369.D

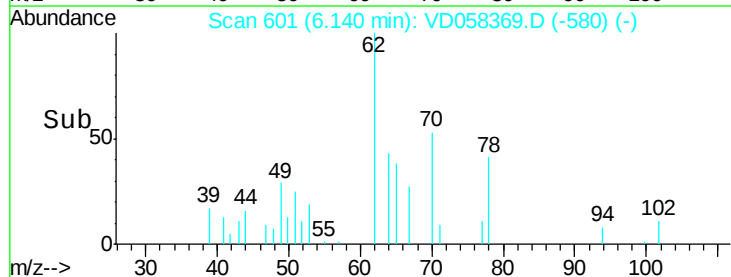
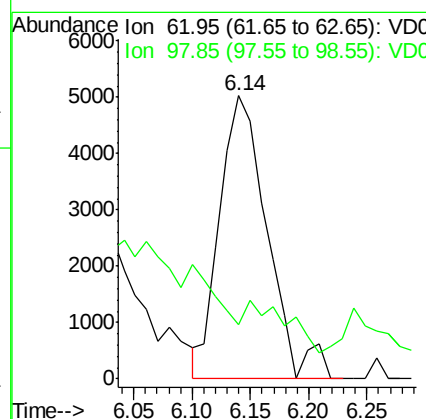
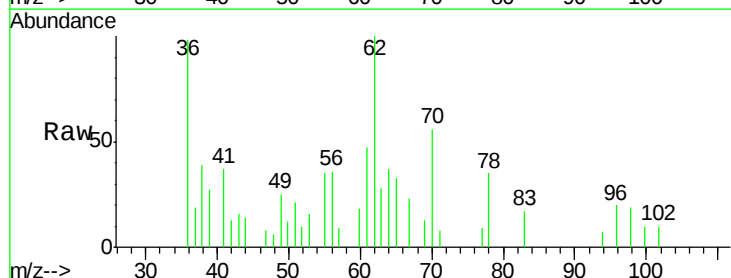
Acq: 24 Jun 2018 14:00

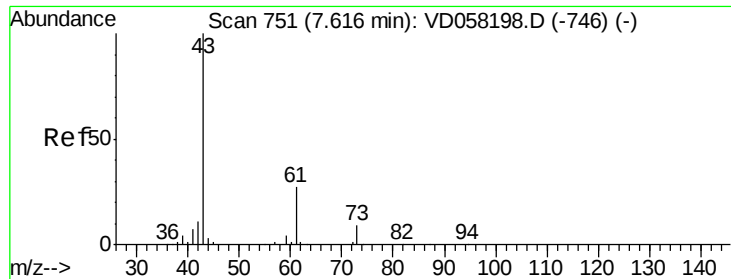
Tgt Ion: 62 Resp: 14210

Ion Ratio Lower Upper

62 100

98 18.9 0.0 13.2#





#43

Isopropyl Acetate

Concen: 2.113 ug/l

RT: 7.66 min Scan# 755

Delta R.T. 0.04 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

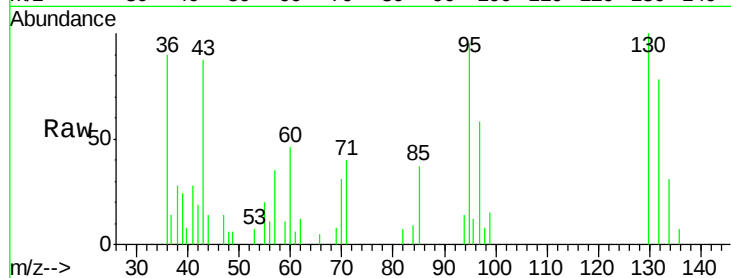
Tot Ion: 43 Resp: 18174

Ion Ratio Lower Upper

43 100

61 6.8 21.8 32.6#

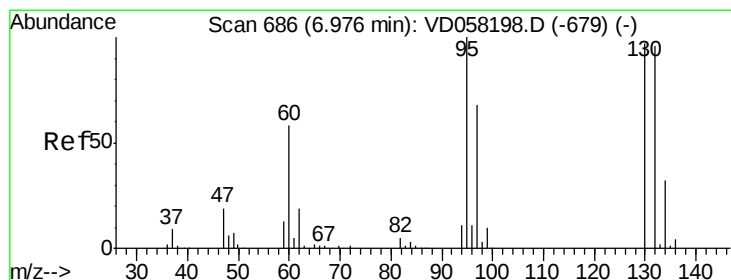
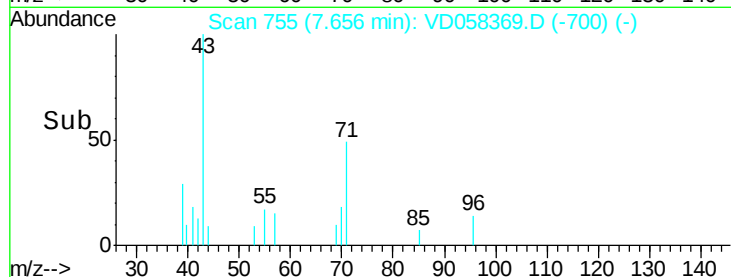
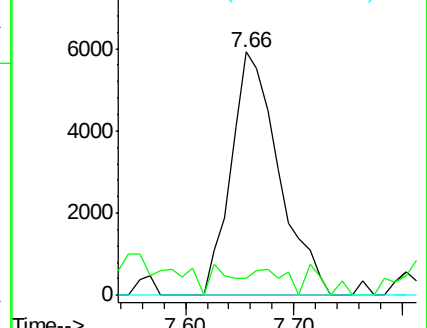
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 828.033 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058369.D

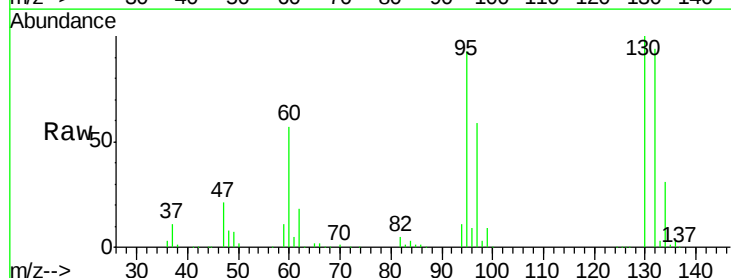
Acq: 24 Jun 2018 14:00

Tgt Ion:130 Resp: 6706706

Ion Ratio Lower Upper

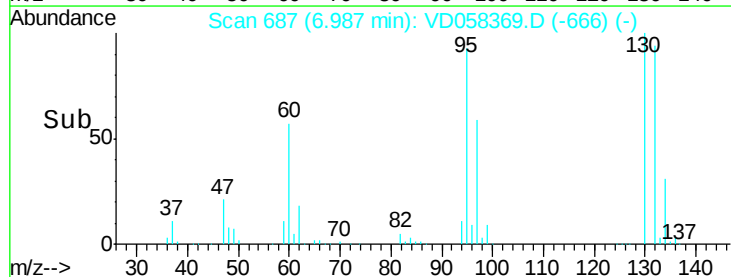
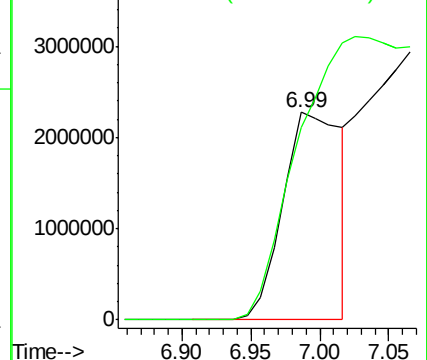
130 100

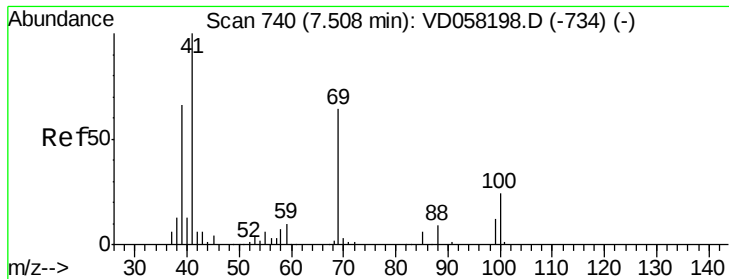
95 92.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

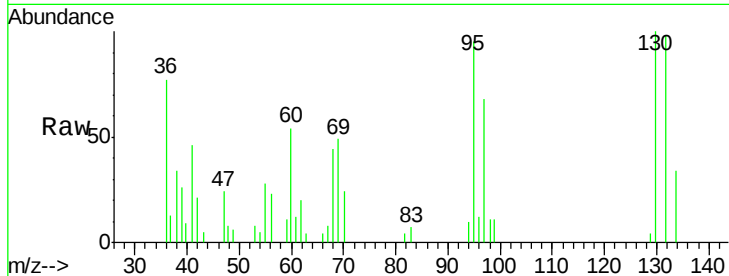




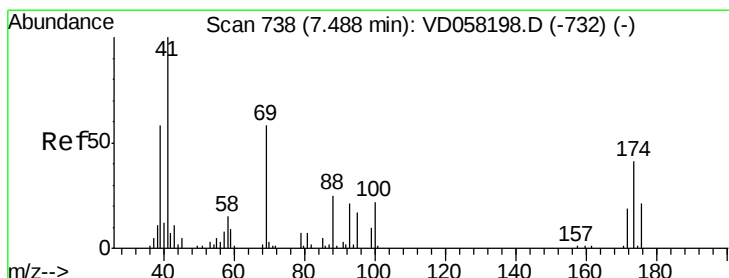
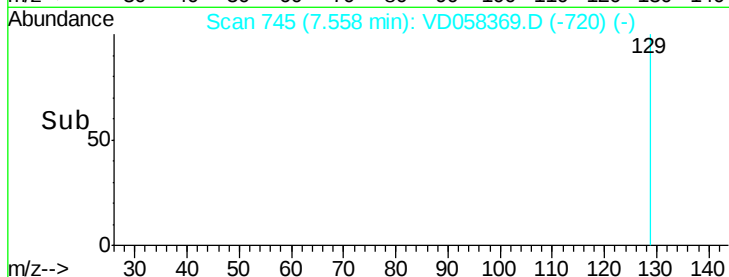
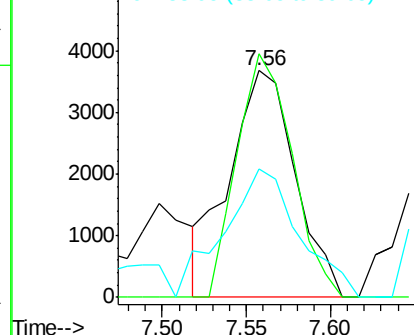
#48
Methvl methacrylate
Concen: 1.910 ug/l
RT: 7.56 min Scan# 745
Delta R.T. 0.05 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 9986
Ion Ratio Lower Upper
41 100
69 107.3 50.7 76.1#
39 56.9 52.6 78.8

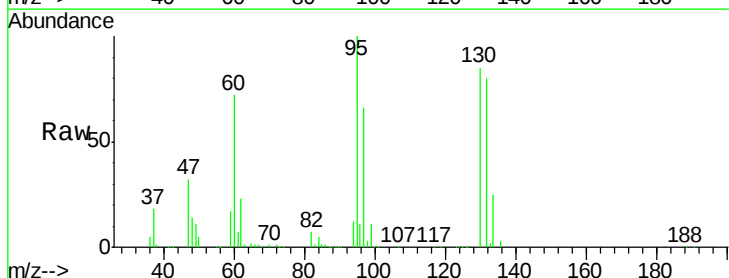


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

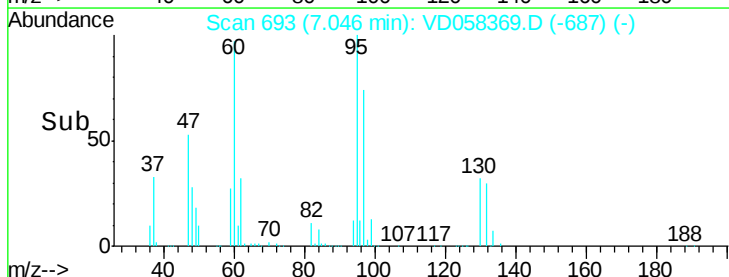
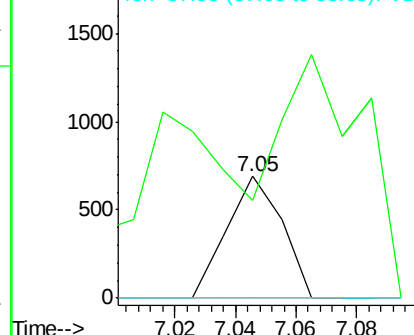


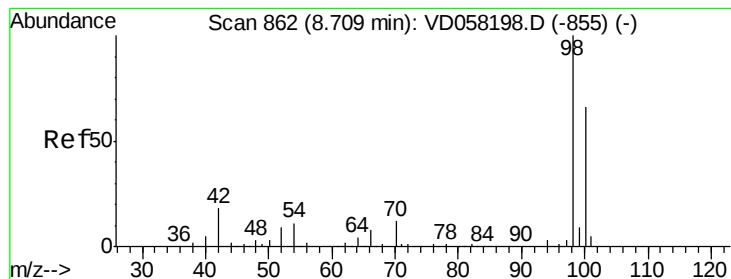
#49
1,4-Dioxane
Concen: 18.627 ug/l
RT: 7.05 min Scan# 693
Delta R.T. -0.44 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion: 88 Resp: 879
Ion Ratio Lower Upper
88 100
43 80.0 34.2 51.2#
58 0.0 47.9 71.9#



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





#50

Toluene-d8

Concen: 18.627 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

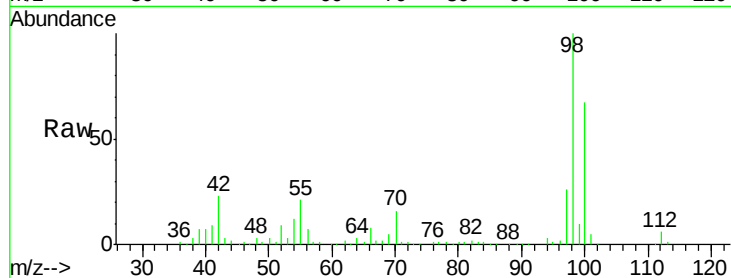
ClientSampleId :

Tot Ion: 98 Resp: 1053485

Ion Ratio Lower Upper

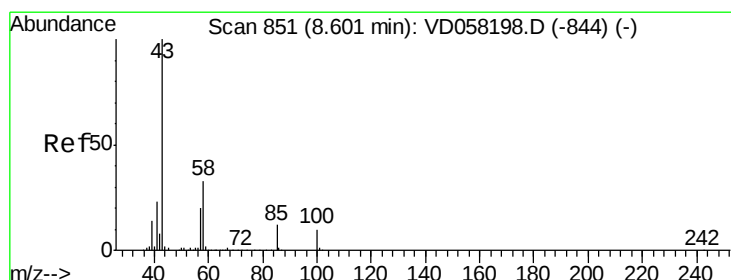
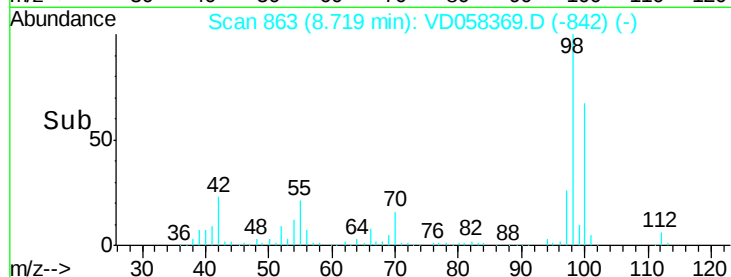
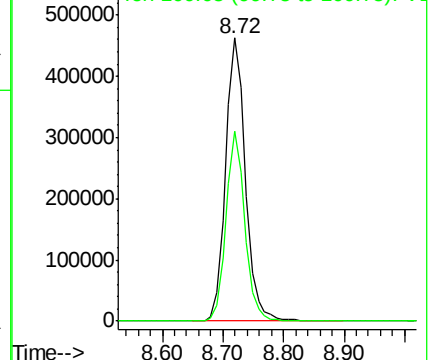
98 100

100 67.2 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD



#51

4-Methyl-2-Pentanone

Concen: 6.852 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD058369.D

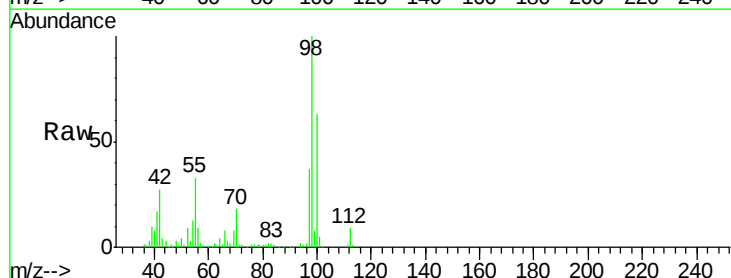
Acq: 24 Jun 2018 14:00

Tgt Ion: 43 Resp: 38441

Ion Ratio Lower Upper

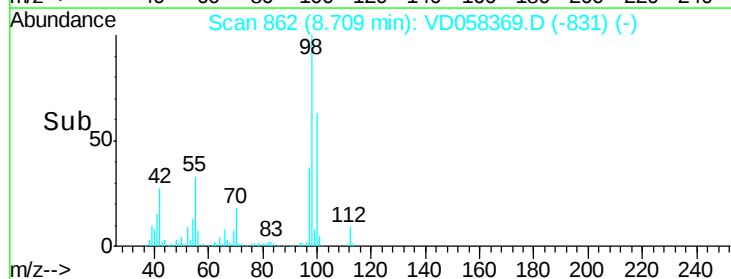
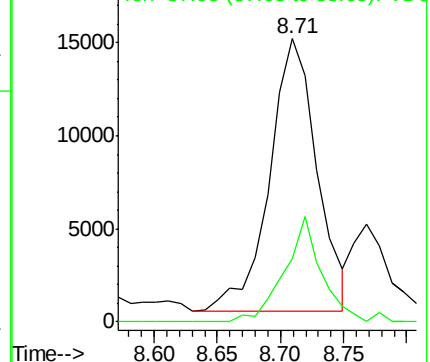
43 100

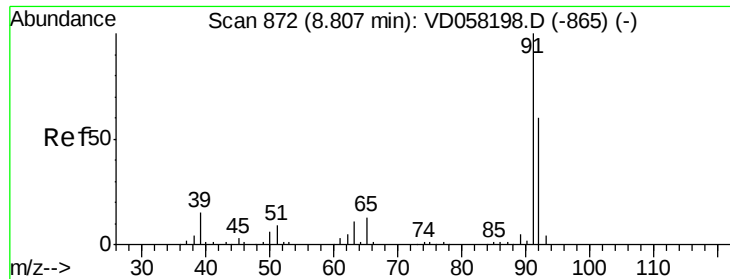
58 22.3 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 57.95 (57.65 to 58.65): VD0





#52

Toluene

Concen: 7.897 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

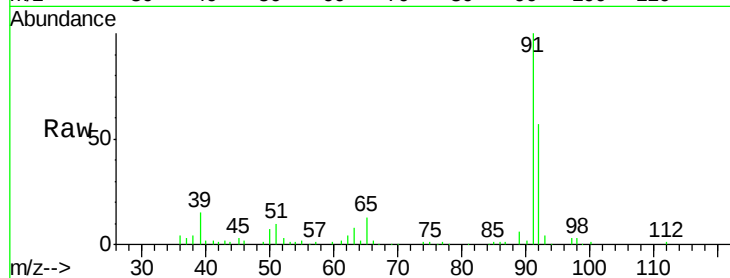
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 121289

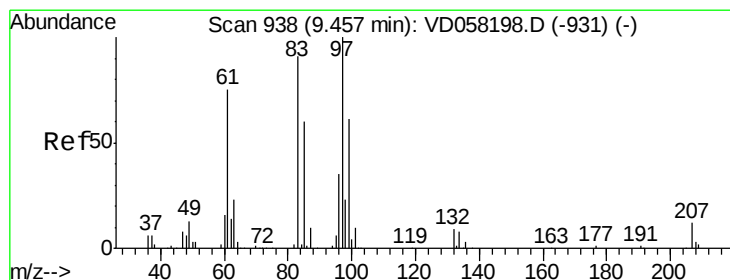
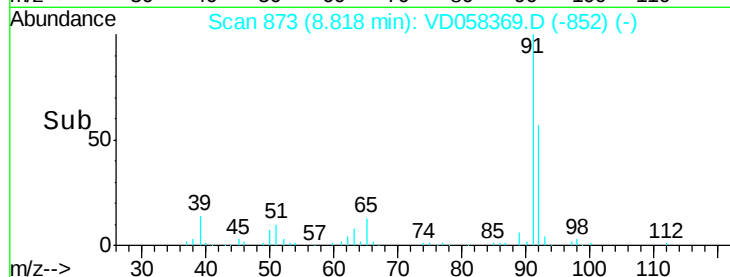
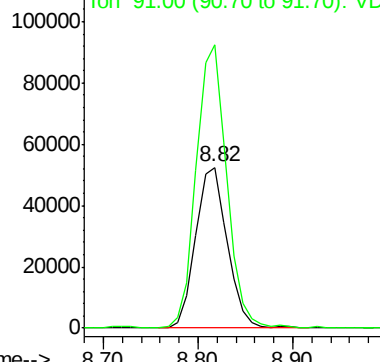
Ion Ratio Lower Upper

92 100

91 175.8 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 6.757 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Tgt Ion: 97 Resp: 36717

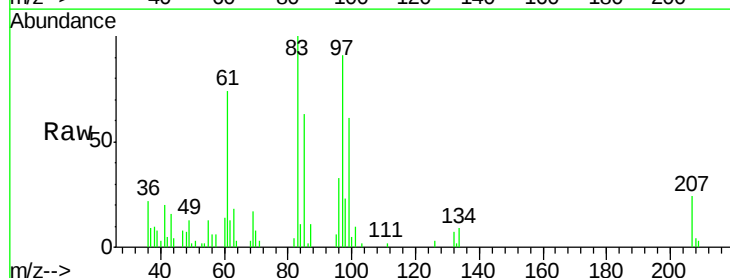
Ion Ratio Lower Upper

97 100

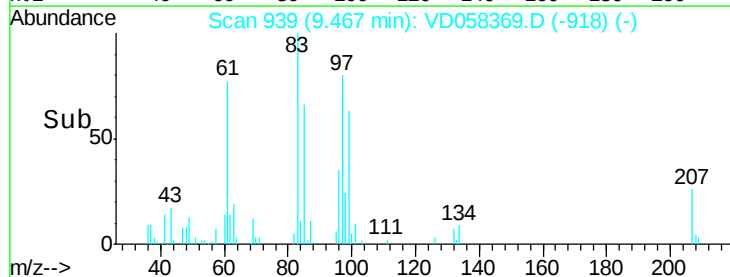
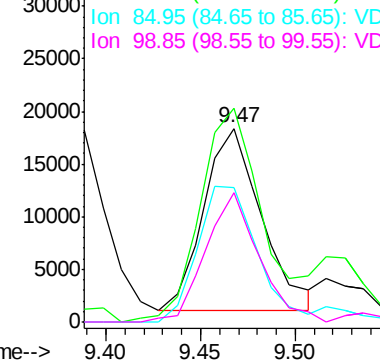
83 110.5 72.9 109.3#

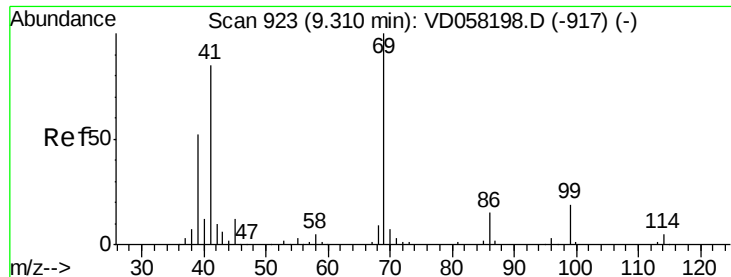
85 69.6 48.2 72.4

99 67.0 48.9 73.3



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: 2.048 ug/l

RT: 9.39 min Scan# 931

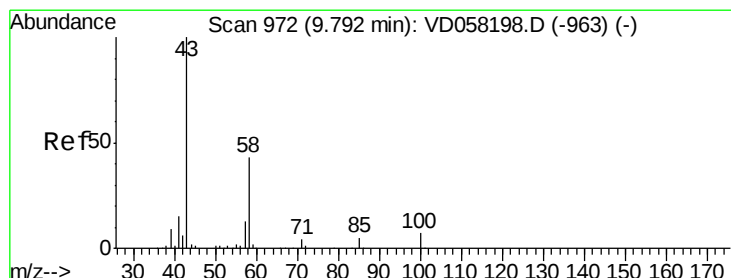
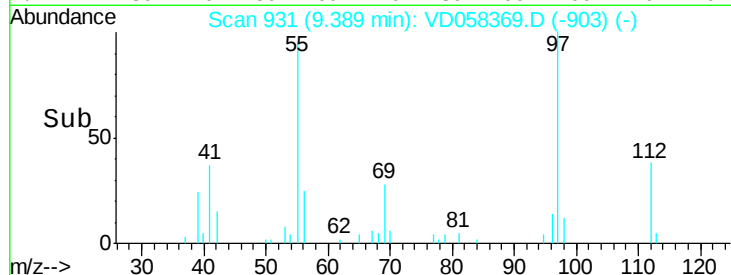
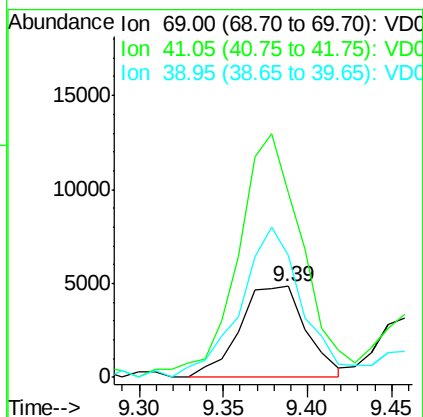
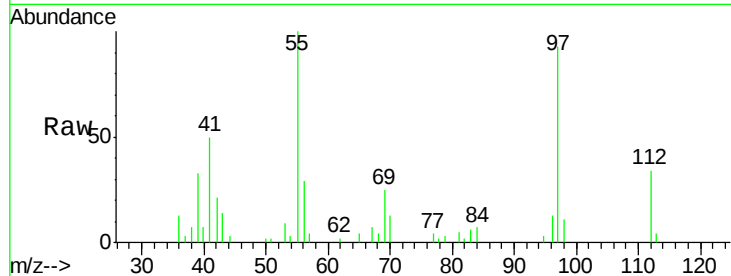
Delta R.T. 0.08 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 69 Resp: 13307
Ion Ratio Lower Upper
69 100
41 203.1 67.6 101.4#
39 134.1 42.2 63.2#



#59

2-Hexanone

Concen: 11.086 ug/l

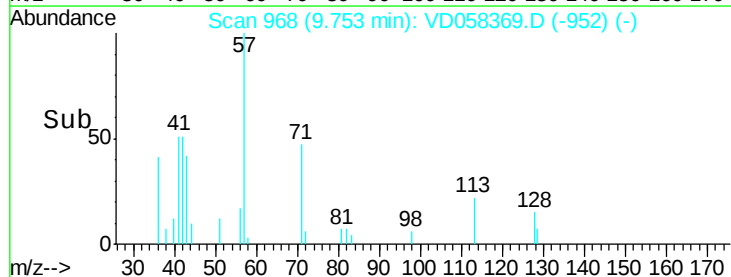
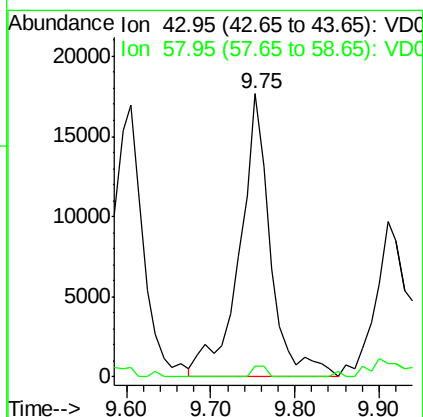
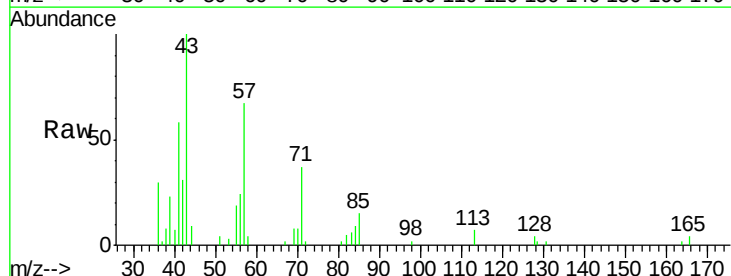
RT: 9.75 min Scan# 968

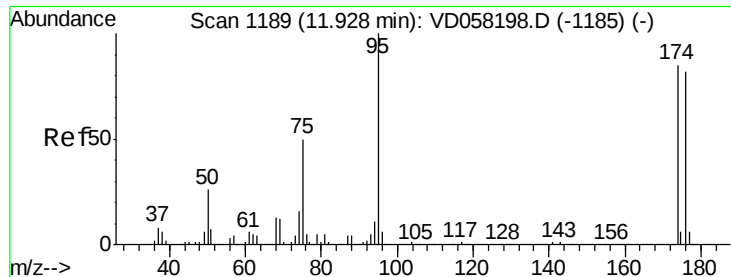
Delta R.T. -0.04 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Tgt Ion: 43 Resp: 44943
Ion Ratio Lower Upper
43 100
58 3.7 21.7 65.1#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

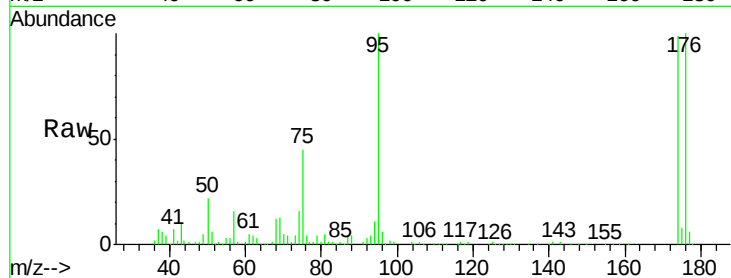
Tot Ion: 95 Resp: 442698

Ion Ratio Lower Upper

95 100

174 99.4 0.0 170.2

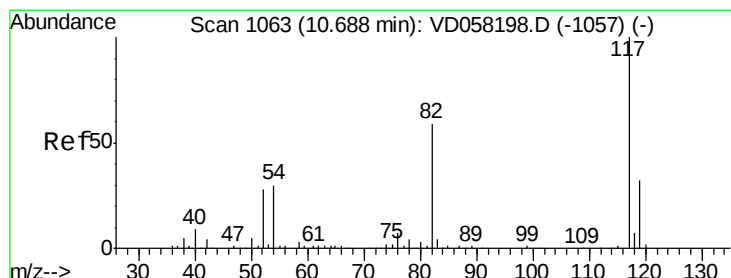
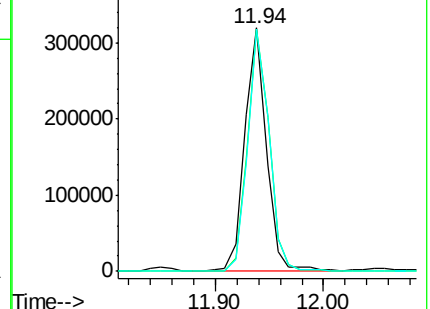
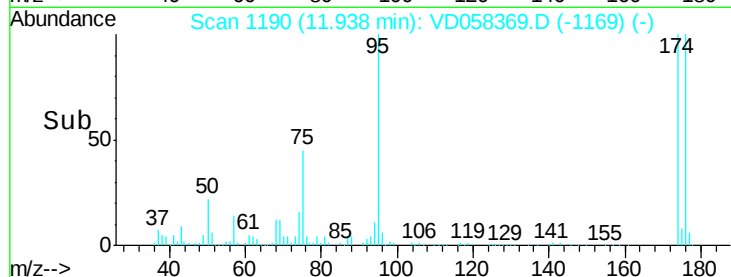
176 99.7 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

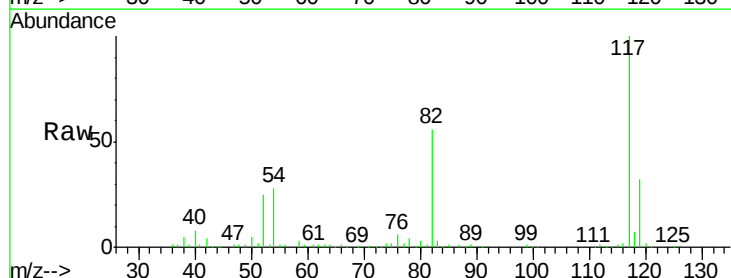
Tgt Ion: 117 Resp: 892847

Ion Ratio Lower Upper

117 100

82 55.7 47.0 70.6

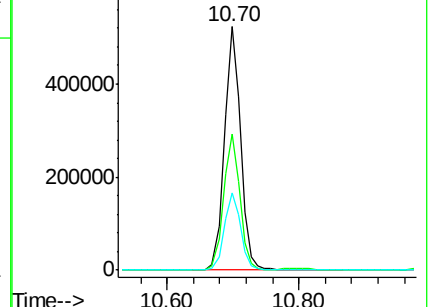
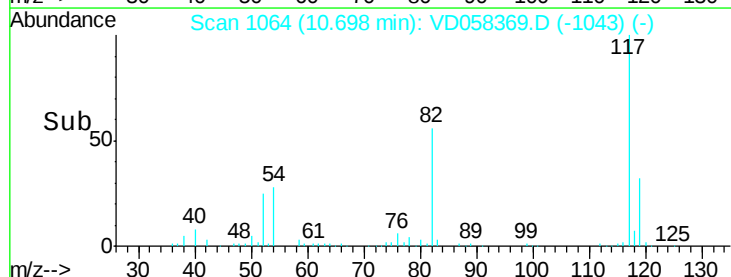
119 31.8 25.3 37.9

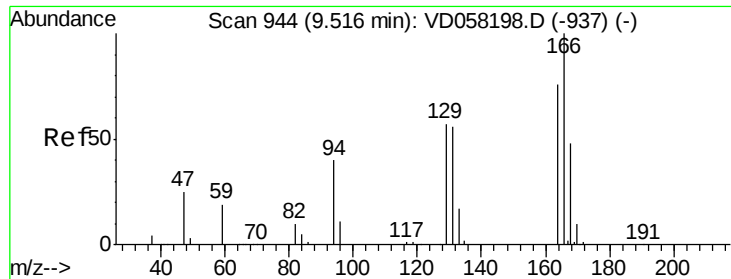


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

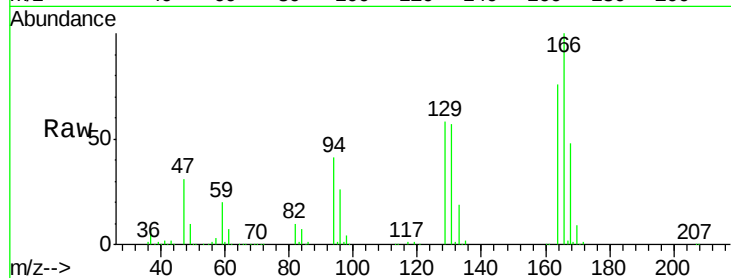




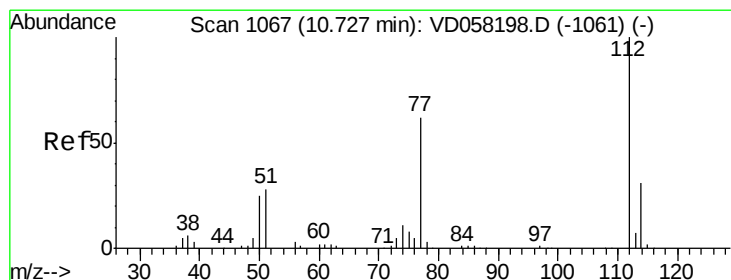
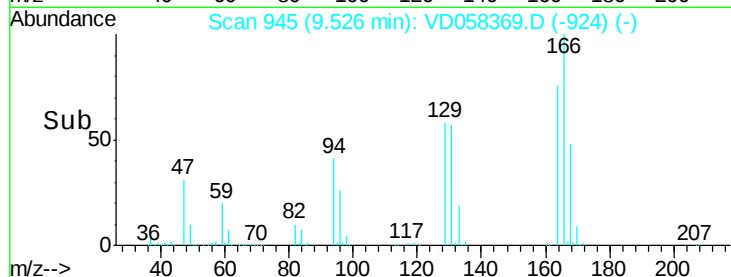
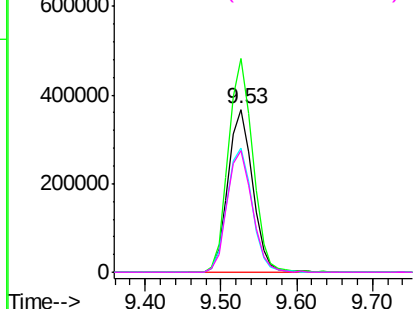
#64
Tetrachloroethene
Concen: 110.051 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:164 Resp: 826764
Ion Ratio Lower Upper
164 100
166 131.1 105.4 158.0
129 76.1 59.6 89.4
131 75.0 59.4 89.2

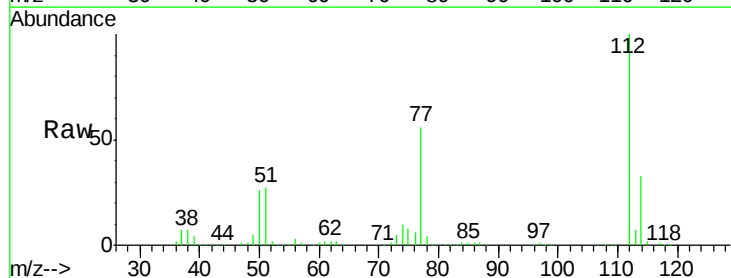


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

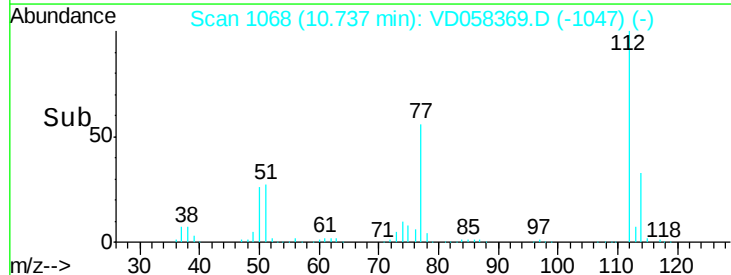
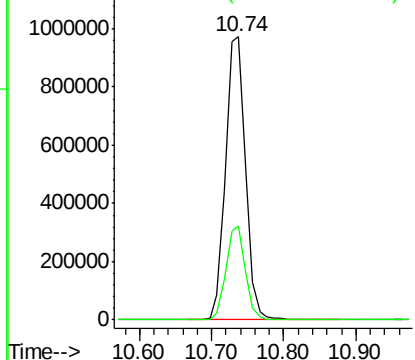


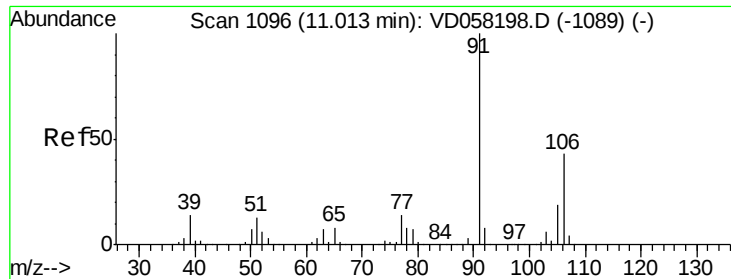
#65
Chlorobenzene
Concen: 111.650 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion:112 Resp: 1864682
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

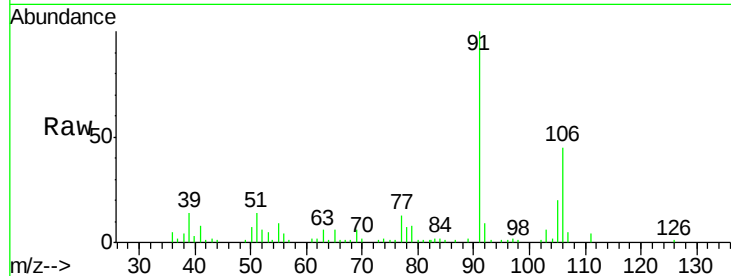




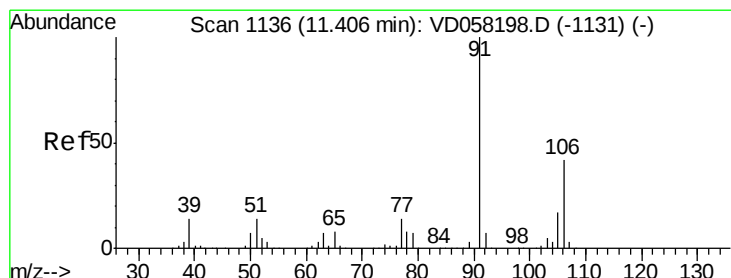
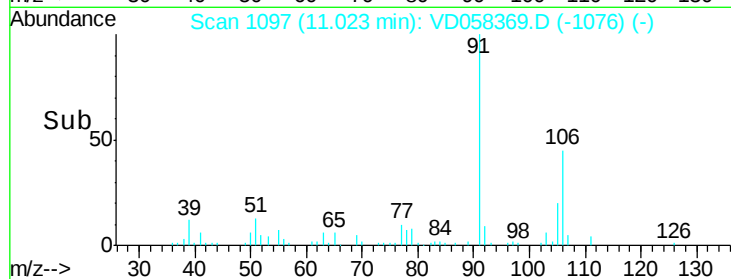
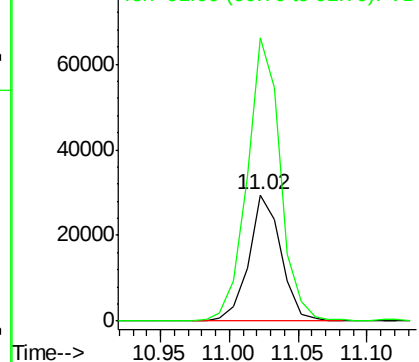
#68
m/p-Xvlenes
Concen: 4.895 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 48132
Ion Ratio Lower Upper
106 100
91 224.2 185.0 277.6

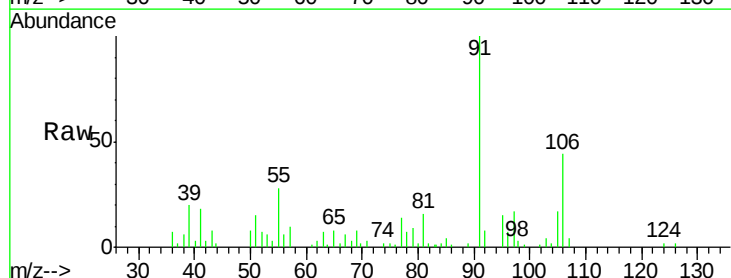


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

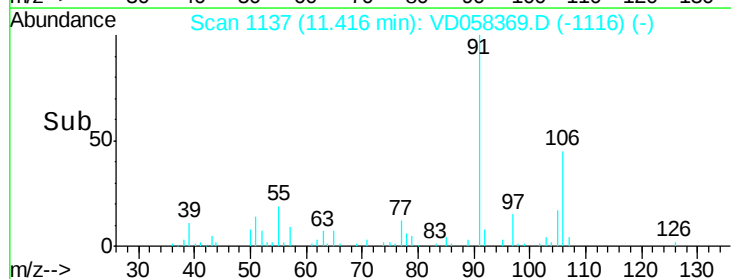
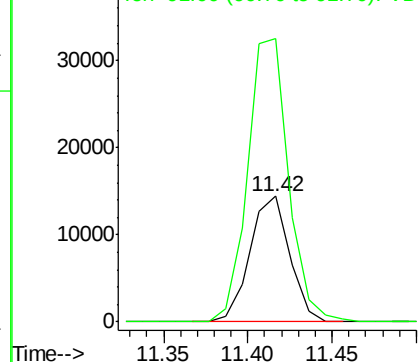


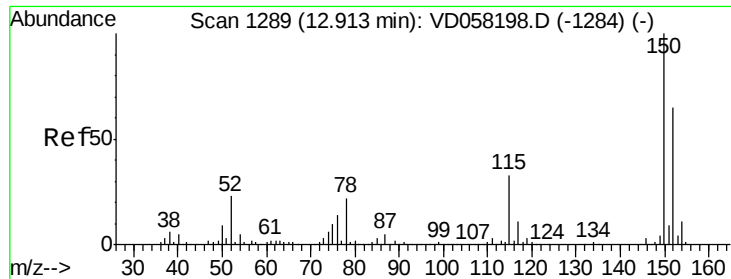
#69
o-Xylene
Concen: 2.508 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion:106 Resp: 23550
Ion Ratio Lower Upper
106 100
91 225.5 120.2 360.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

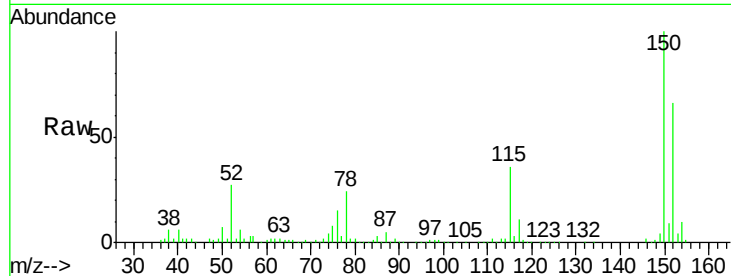
Tot Ion:152 Resp: 449455

Ion Ratio Lower Upper

152 100

115 54.5 25.1 75.3

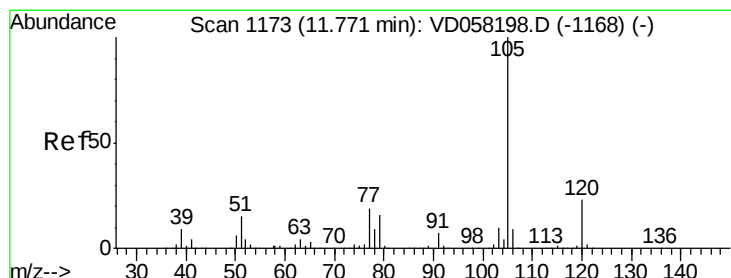
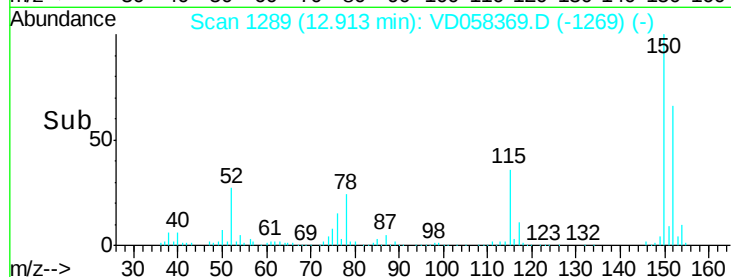
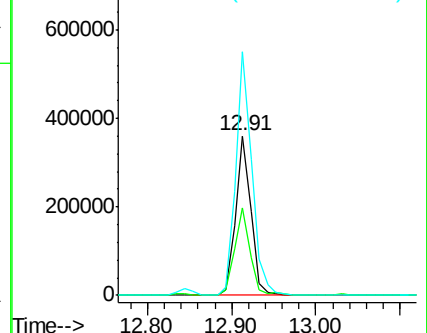
150 152.6 0.0 308.8



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: 3.297 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058369.D

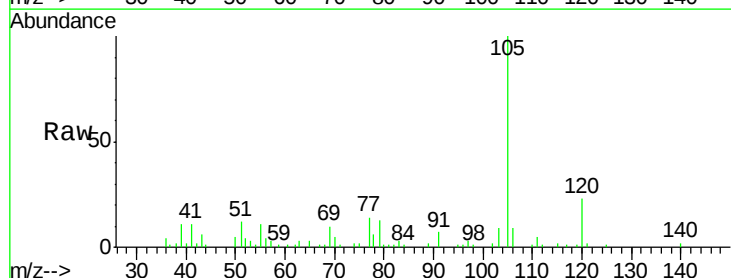
Acq: 24 Jun 2018 14:00

Tgt Ion:105 Resp: 88628

Ion Ratio Lower Upper

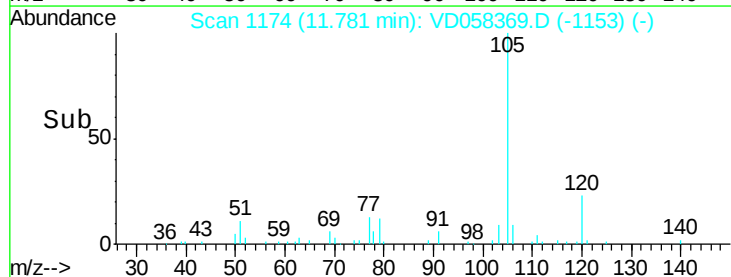
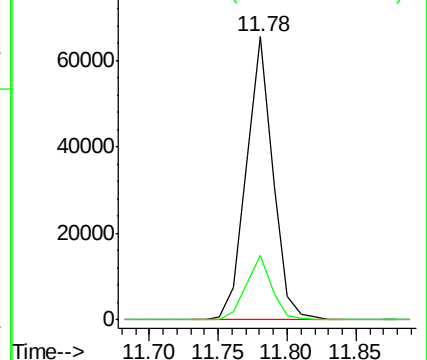
105 100

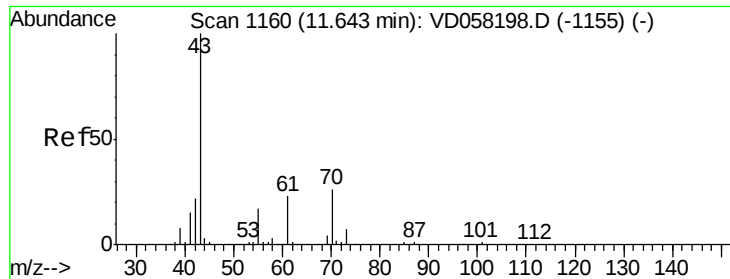
120 22.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 2.365 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.04 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 24580

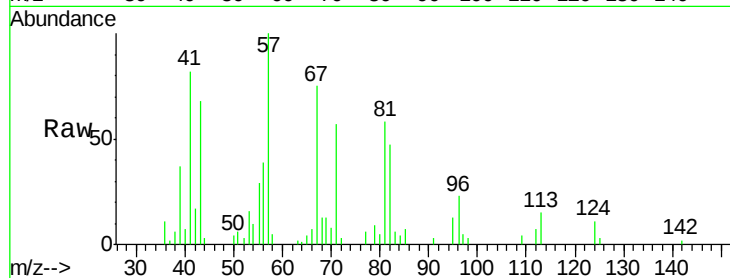
Ion Ratio Lower Upper

43 100

70 11.6 20.9 31.3#

55 43.1 13.5 20.3#

61 0.0 18.2 27.2#

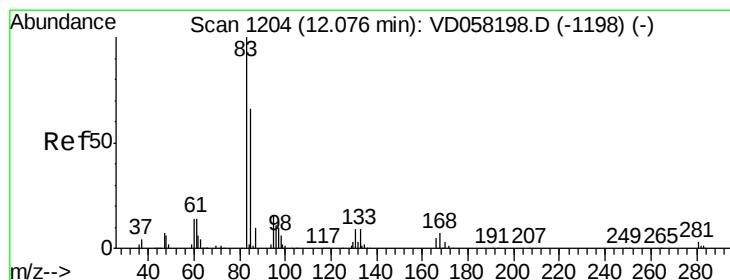
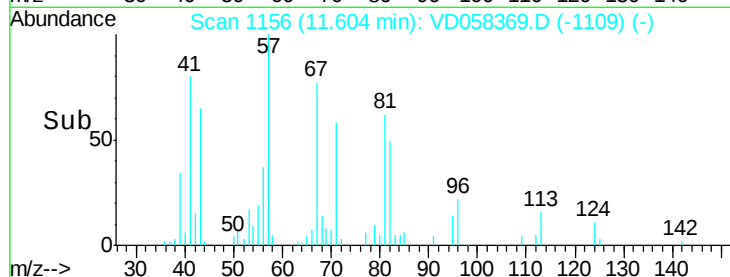
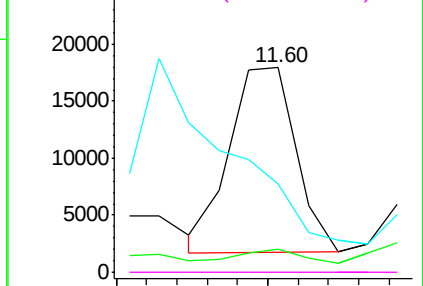


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 2.476 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

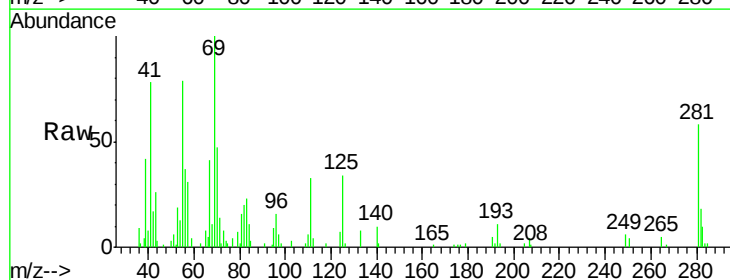
Tgt Ion: 83 Resp: 15491

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

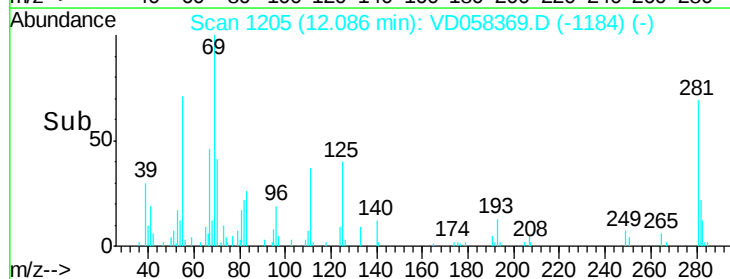
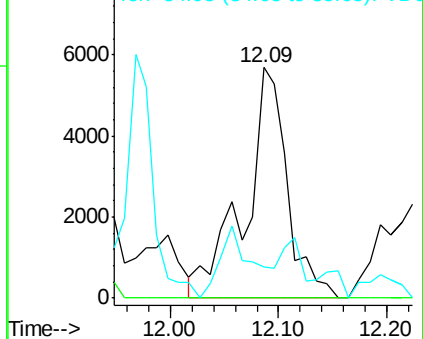
85 13.7 33.1 99.5#

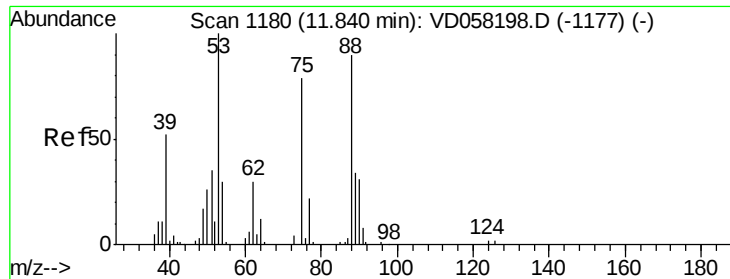


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

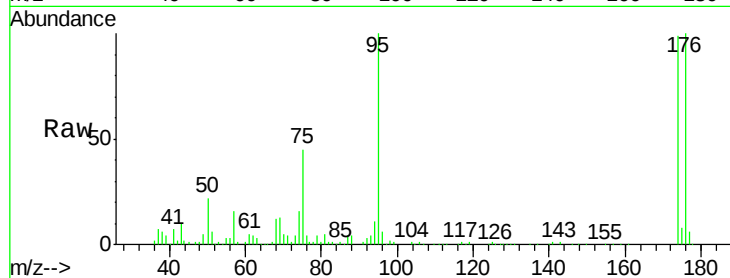




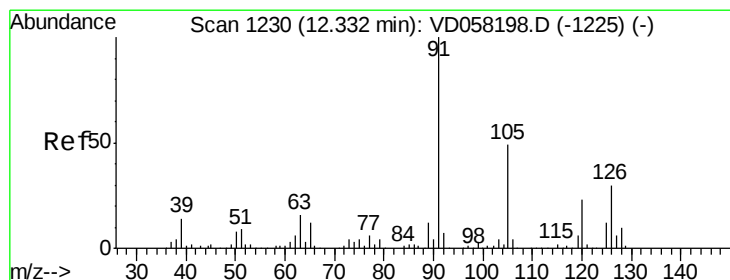
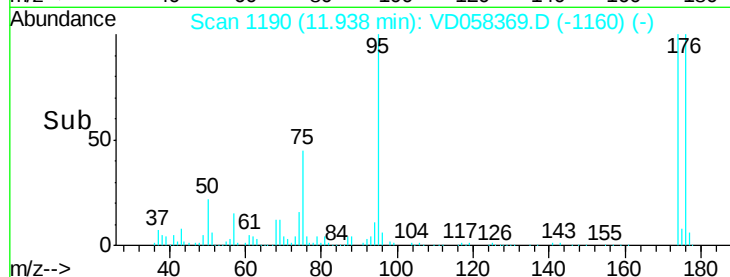
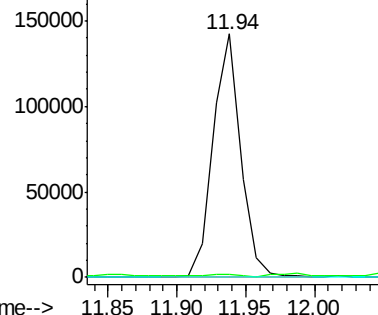
#81
trans-1,4-Dichloro-2-butene
Concen: 125.018 ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.10 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 200087
Ion Ratio Lower Upper
75 100
53 1.5 100.8 151.2#
89 0.0 34.6 52.0#

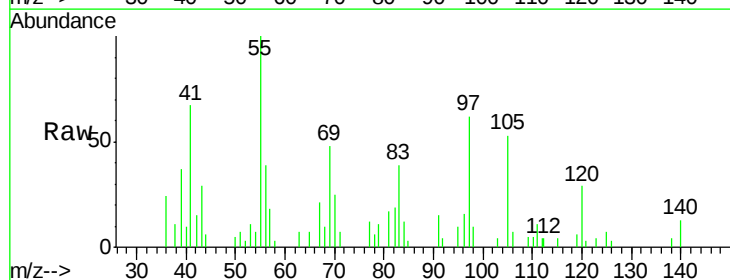


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

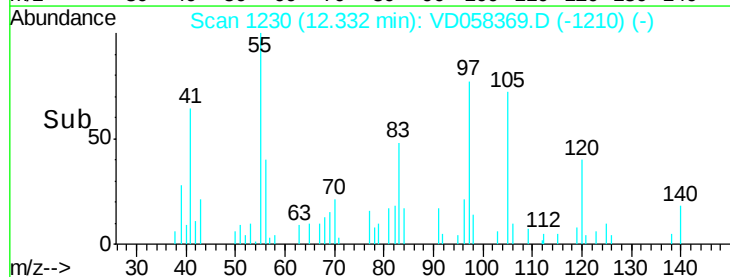
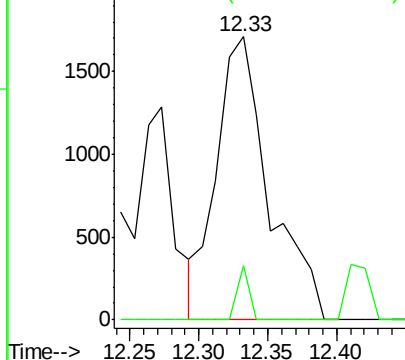


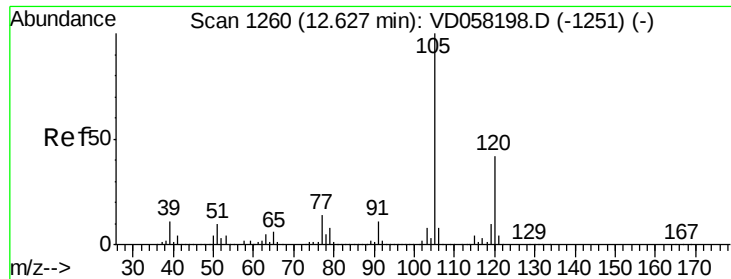
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion: 91 Resp: 4541
Ion Ratio Lower Upper
91 100
126 19.1 14.9 44.9



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





#84

1,2,4-Trimethylbenzene

Concen: 2.405 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

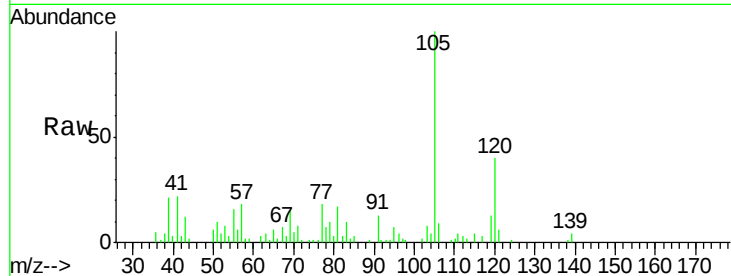
ClientSampleId :

Tot Ion:105 Resp: 54812

Ion Ratio Lower Upper

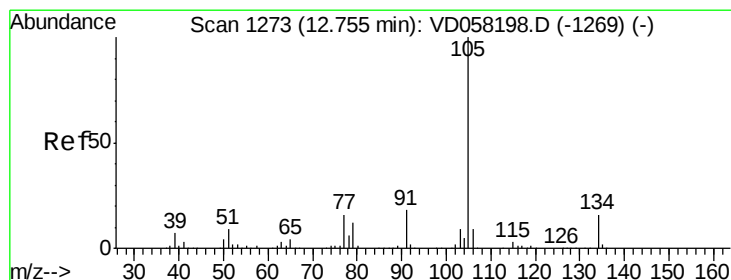
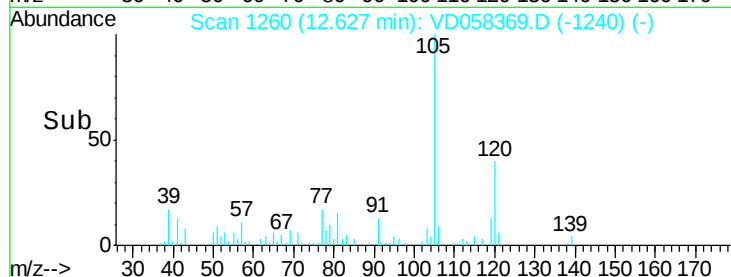
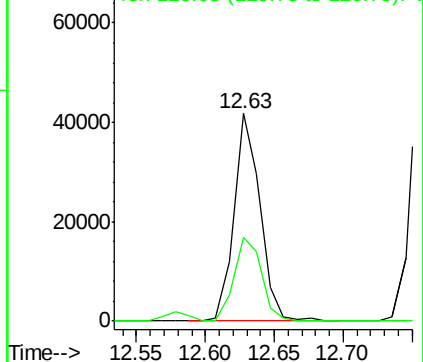
105 100

120 40.1 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 3.275 ug/l

RT: 12.77 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058369.D

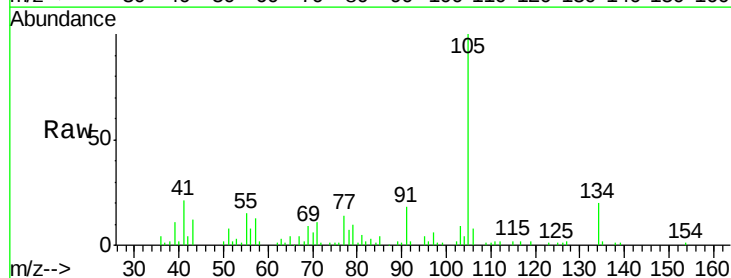
Acq: 24 Jun 2018 14:00

Tgt Ion:105 Resp: 92557

Ion Ratio Lower Upper

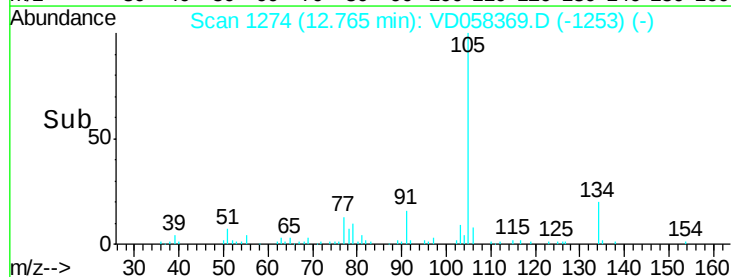
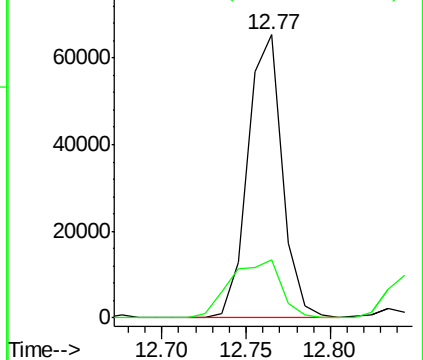
105 100

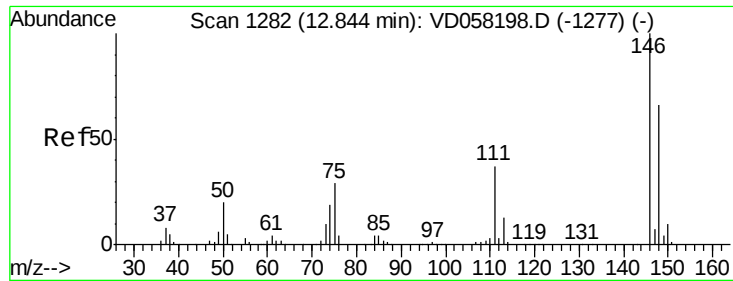
134 20.5 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V





#87

1,3-Dichlorobenzene

Concen: 13.955 ug/l

RT: 12.84 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampleId :

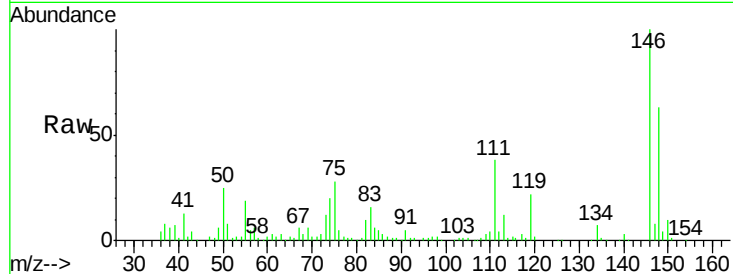
Tot Ion:146 Resp: 195262

Ion Ratio Lower Upper

146 100

111 38.3 18.4 55.0

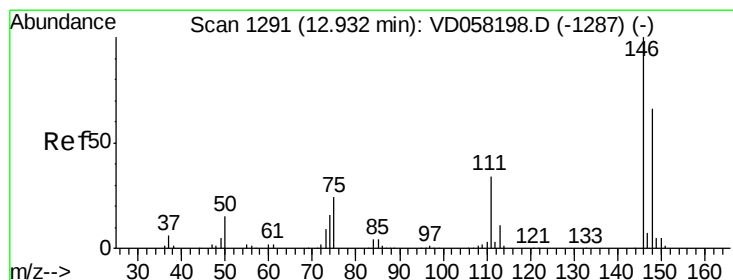
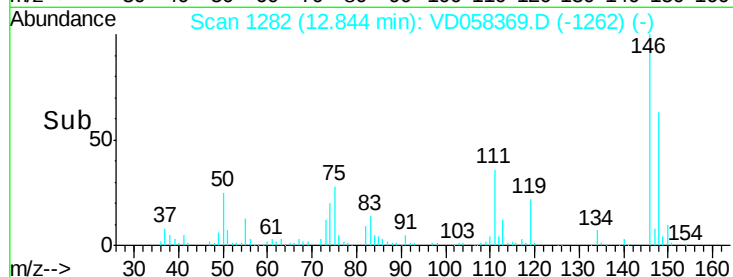
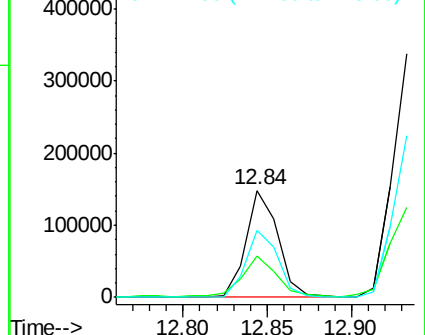
148 62.8 32.8 98.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 29.498 ug/l

RT: 12.93 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

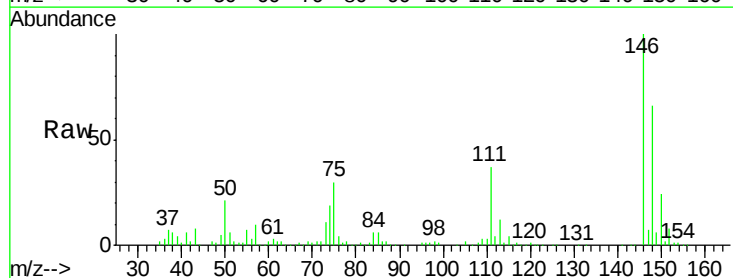
Tgt Ion:146 Resp: 403049

Ion Ratio Lower Upper

146 100

111 37.2 17.2 51.5

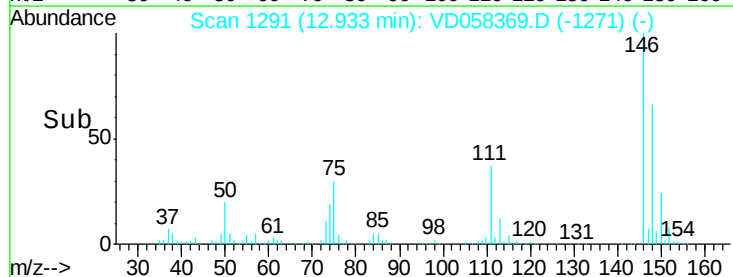
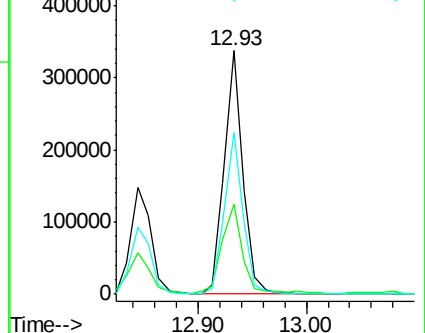
148 66.2 33.1 99.3

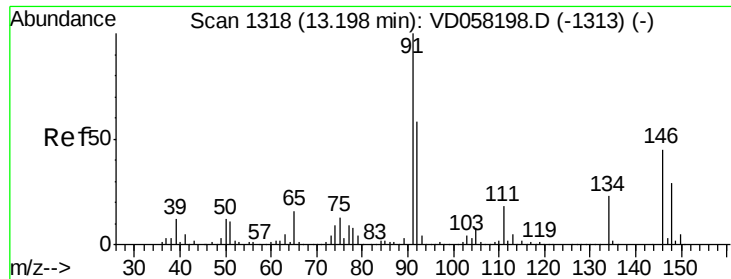


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

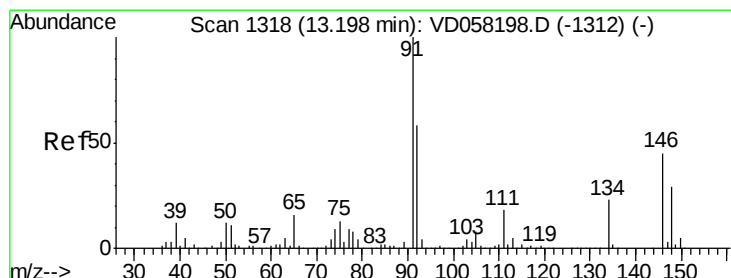
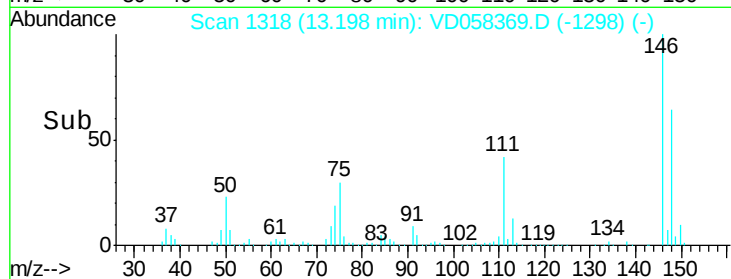
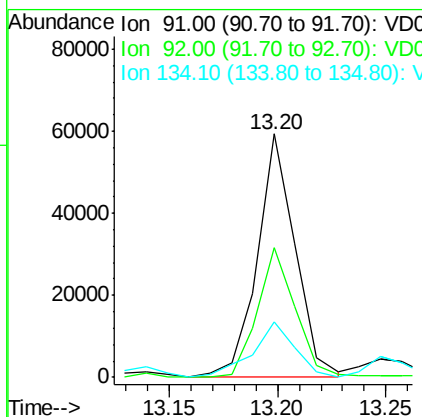
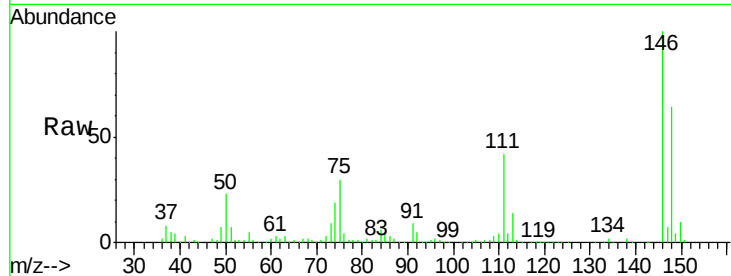




#89
n-Butylbenzene
Concen: 3.028 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

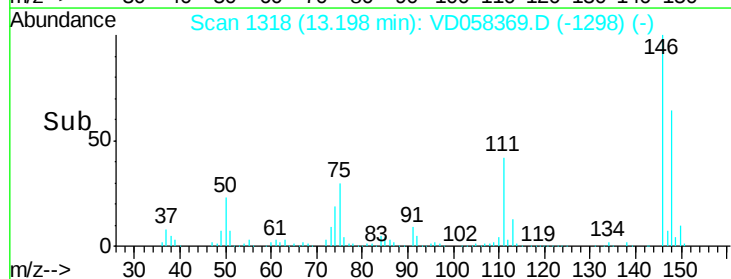
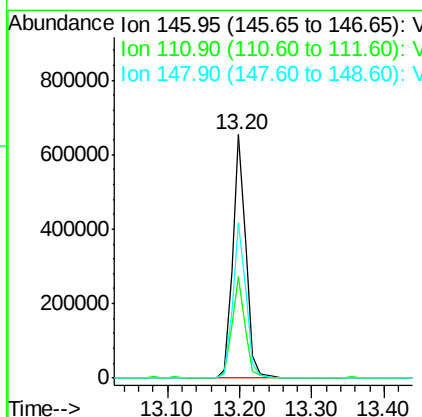
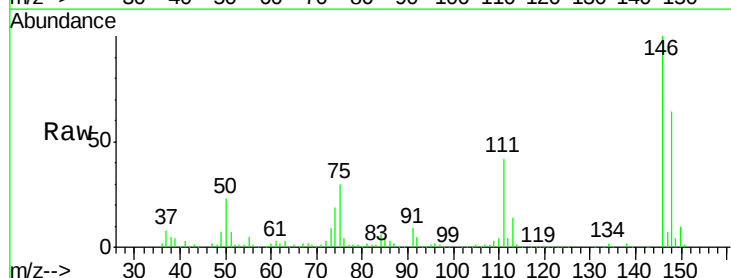
Instrument :
MSVOA_D
ClientSampleId :

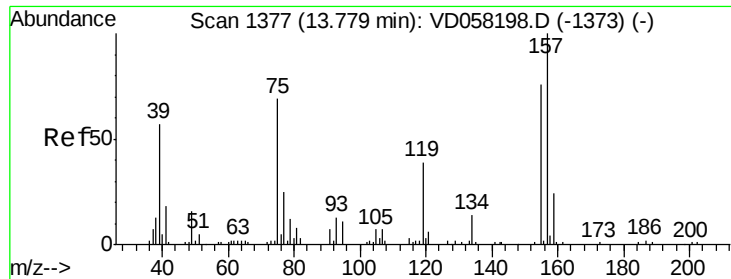
Tot Ion: 91 Resp: 72875
Ion Ratio Lower Upper
91 100
92 53.5 29.2 87.6
134 22.6 11.3 33.8



#91
1,2-Dichlorobenzene
Concen: 69.802 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058369.D
Acq: 24 Jun 2018 14:00

Tgt Ion: 146 Resp: 831160
Ion Ratio Lower Upper
146 100
111 42.0 19.6 58.7
148 63.8 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.881 ug/l

RT: 13.75 min Scan# 1374

Delta R.T. -0.03 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

Instrument :

MSVOA_D

ClientSampled :

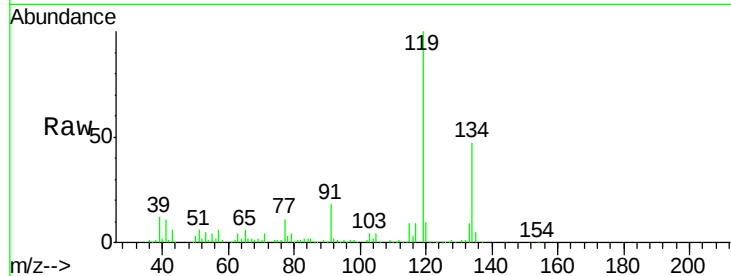
Tot Ion: 75 Resp: 2869

Ion Ratio Lower Upper

75 100

155 0.0 54.5 163.5#

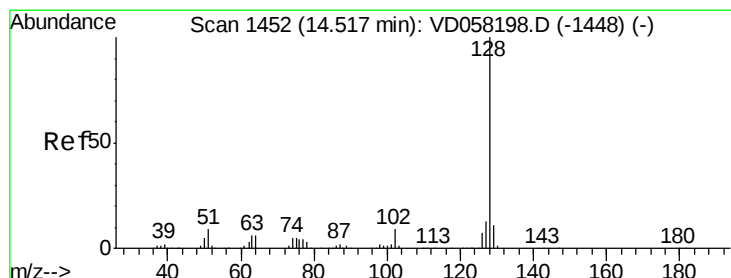
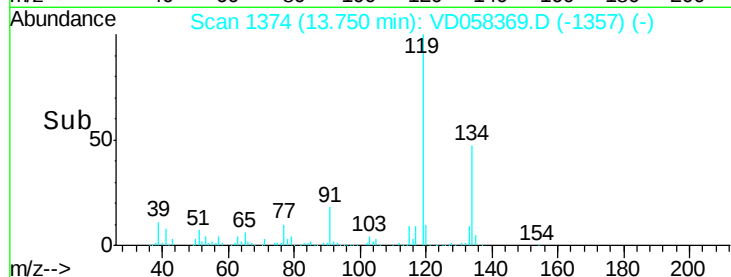
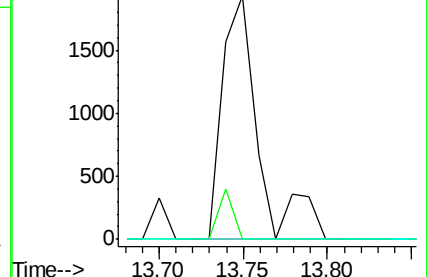
157 0.0 72.0 215.9#



Abundance Ion 75.00 (74.70 to 75.70): VD058198.D (-1373) (-)

Ion 154.90 (154.60 to 155.60): VD058198.D (-1373) (-)

Ion 156.85 (156.55 to 157.55): VD058198.D (-1373) (-)



#95

Naphthalene

Concen: 10.334 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058369.D

Acq: 24 Jun 2018 14:00

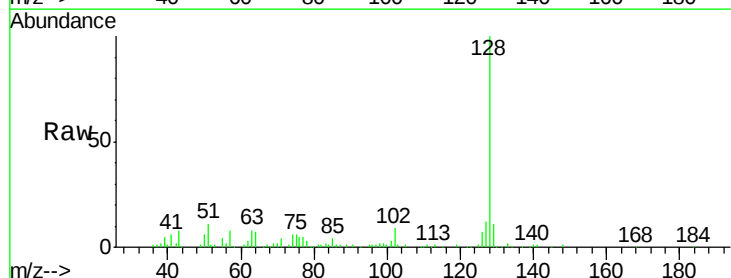
Tgt Ion: 128 Resp: 155025

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VD058198.D (-1448) (-)

Ion 127.00 (126.70 to 127.70): VD058198.D (-1448) (-)

Ion 129.00 (128.70 to 129.70): VD058198.D (-1448) (-)

