

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058373.D
 Acq On : 24 Jun 2018 15:53
 Operator : VA/AP
 Sample : J3671-15
 Misc : 6.03g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:03:01 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	750103	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1013487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.72	117	572037	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.92	152	336782	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	454245	59.95	ug/l	0.02
Spiked Amount			Recovery	=	119.90%	
35) Dibromofluoromethane	5.56	113	455798	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
50) Toluene-d8	8.72	98	1031889	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.94	95	416129	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	566	Below Cal	#	43
3) Chloromethane	1.55	50	5150	Below Cal	#	43
4) Vinyl Chloride	1.55	62	304582	77.513	ug/l	93
5) Bromomethane	1.80	94	180	Below Cal	#	3
6) Chloroethane	1.89	64	19874	13.197	ug/l	96
11) Tert butyl alcohol	3.27	59	19732	78.963	ug/l #	82
13) Acrolein	2.62	56	185	1.297	ug/l #	11
16) Acetone	2.62	43	171369	165.389	ug/l #	91
18) Methyl Acetate	2.95	43	9789	4.430	ug/l	99
21) trans-1,2-Dichloroethene	3.40	96	8575	3.045	ug/l	85
24) 1,1-Dichloroethane	3.98	63	28315	2.206	ug/l #	95
25) 2-Butanone	4.86	43	64448	28.538	ug/l	98
27) cis-1,2-Dichloroethene	4.82	96	464723	66.030	ug/l	89
29) Tetrahydrofuran	5.20	42	5961	4.959	ug/l #	82
31) Cyclohexane	5.60	56	74030	3.035	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	59788	5.963	ug/l #	49
37) Ethyl Acetate	4.86	43	64448	11.282	ug/l #	1
38) Carbon Tetrachloride	5.66	117	62867	6.311	ug/l #	14
39) Methylcyclohexane	7.30	83	367395	37.622	ug/l	97
40) Benzene	6.03	78	233797	9.789	ug/l	96
41) Methacrylonitrile	5.19	41	4938	1.790	ug/l #	57
43) Isopropyl Acetate	7.67	43	12194	1.601	ug/l #	48
44) Trichloroethene	6.99	130	32418	4.520	ug/l	97
48) Methyl methacrylate	7.55	41	21074	4.553	ug/l #	71
49) 1,4-Dioxane	7.50	88	997	23.862	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	16331	3.287	ug/l	91
52) Toluene	8.82	92	605453	44.521	ug/l	96
55) 1,1,2-Trichloroethane	9.39	97	46651	9.696	ug/l #	17
56) Ethyl methacrylate	9.38	69	12542	2.180	ug/l #	1
59) 2-Hexanone	9.75	43	124894	34.794	ug/l #	36
65) Chlorobenzene	10.78	112	20829087	1946.602	ug/l	97
67) Ethyl Benzene	10.87	91	1381916	73.153	ug/l	97
68) m/p-Xylenes	11.01	106	242340	38.469	ug/l	96
69) o-Xylene	11.42	106	413667	68.752	ug/l	100

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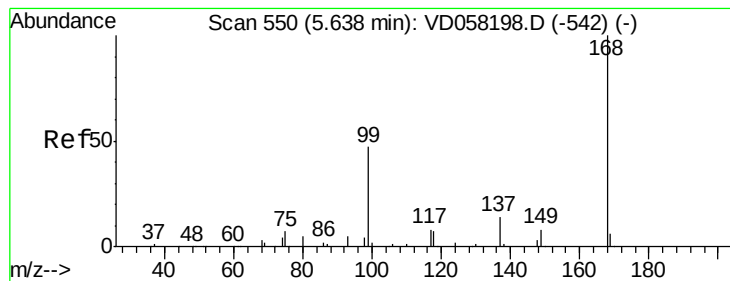
Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:03:01 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	11.42	104	39028	3.801	ug/l #	1
73) Isopropylbenzene	11.78	105	1096797	54.446	ug/l	100
74) N-amyl acetate	11.68	43	385053	49.435	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.10	83	133118	28.396	ug/l #	49
76) 1,2,3-Trichloropropane	12.16	75	19561	3.978	ug/l #	1
78) n-propylbenzene	12.16	91	2796247	107.488	ug/l	96
79) 2-Chlorotoluene	12.24	91	122689	8.242	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.33	105	882586	56.172	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.78	75	13722	11.442	ug/l #	15
82) 4-Chlorotoluene	12.33	91	120097	3.186	ug/l #	50
83) tert-Butylbenzene	12.59	119	732124	40.529	ug/l	99
84) 1,2,4-Trimethylbenzene	12.64	105	2088918	122.307	ug/l	100
85) sec-Butylbenzene	12.76	105	1769303	83.561	ug/l	91
86) p-Isopropyltoluene	12.90	119	231736	13.506	ug/l	94
87) 1,3-Dichlorobenzene	12.85	146	333483	31.807	ug/l	89
88) 1,4-Dichlorobenzene	12.94	146	6025481	588.516	ug/l	99
89) n-Butylbenzene	13.21	91	1171346	64.954	ug/l	95
90) Hexachloroethane	13.38	117	107919	24.232	ug/l #	1
91) 1,2-Dichlorobenzene	13.21	146	3770291	422.567	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.75	75	26182	35.093	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.35	180	43659	5.116	ug/l #	82
95) Naphthalene	14.53	128	6001649	533.922	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	11536	1.544	ug/l #	40

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

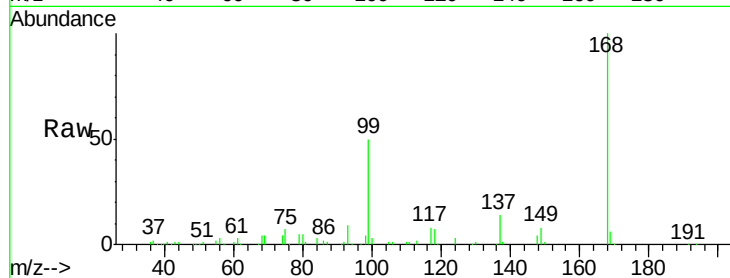
ClientSampleId :

Tot Ion:168 Resp: 750103

Ion Ratio Lower Upper

168 100

99 50.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

250000

200000

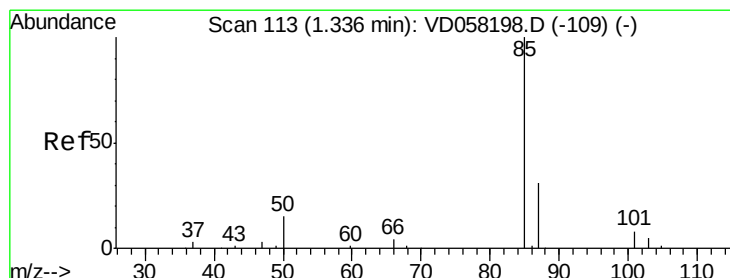
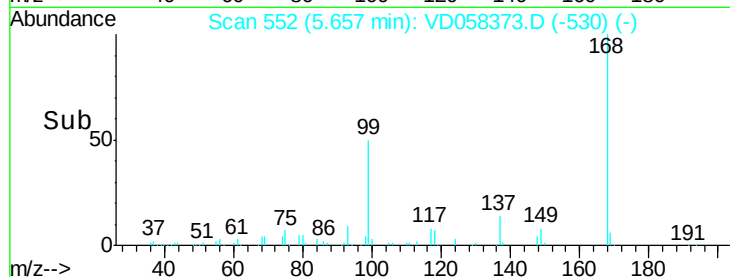
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058373.D

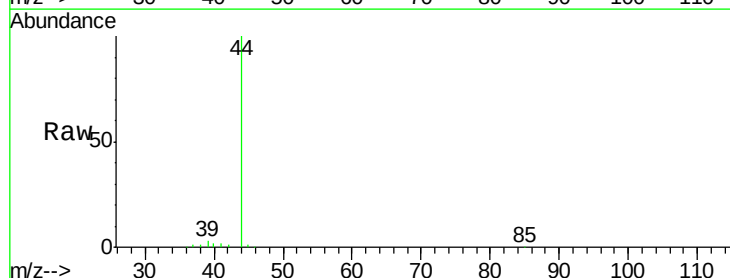
Acq: 24 Jun 2018 15:53

Tgt Ion: 85 Resp: 566

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

1.34

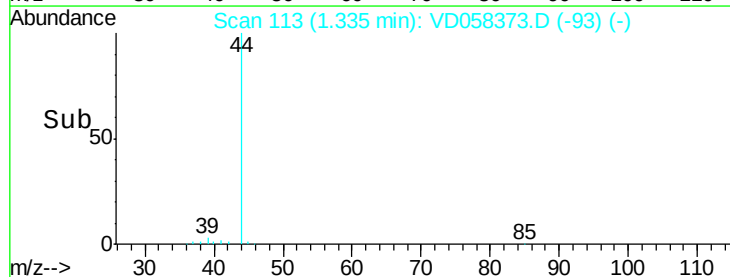
600

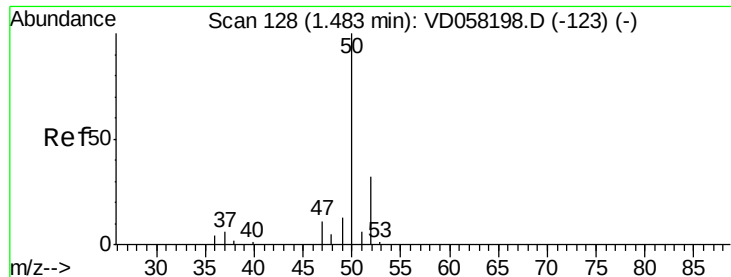
400

200

0

Time--> 1.30 1.32 1.34 1.36 1.38





#3

Chloromethane

Concen: Below Cal

RT: 1.55 min Scan# 135

Delta R.T. 0.07 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

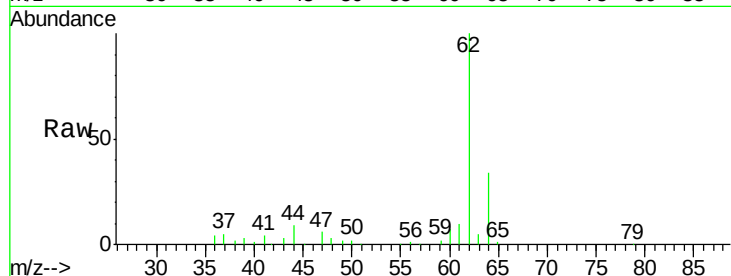
ClientSampleId :

Tot Ion: 50 Resp: 5150

Ion Ratio Lower Upper

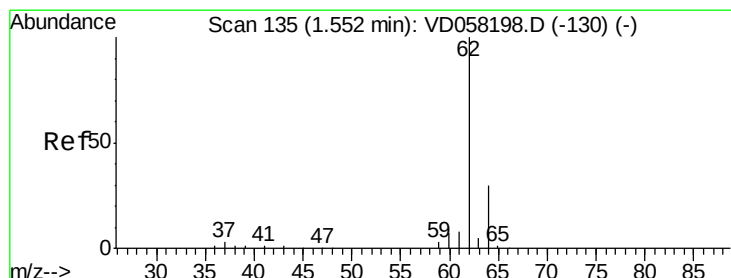
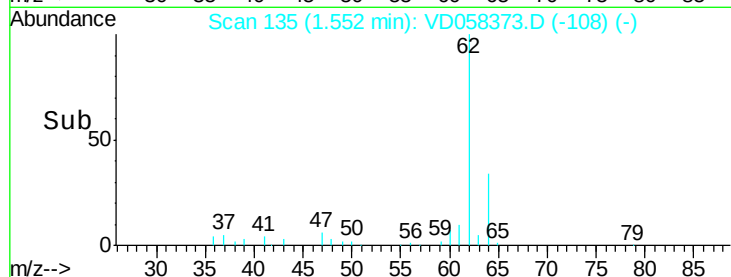
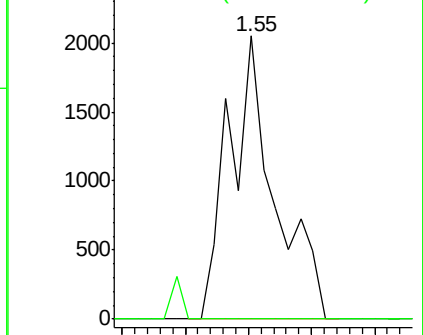
50 100

52 0.0 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: 77.513 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058373.D

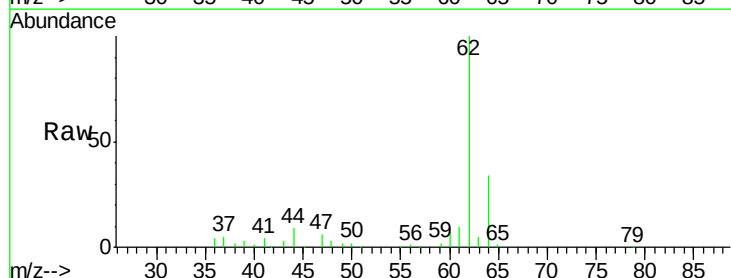
Acq: 24 Jun 2018 15:53

Tgt Ion: 62 Resp: 304582

Ion Ratio Lower Upper

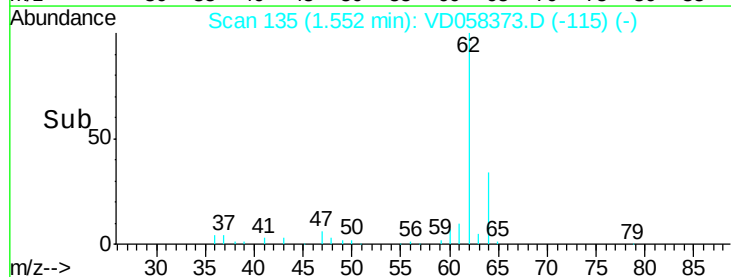
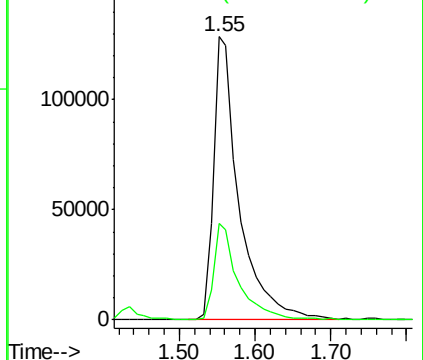
62 100

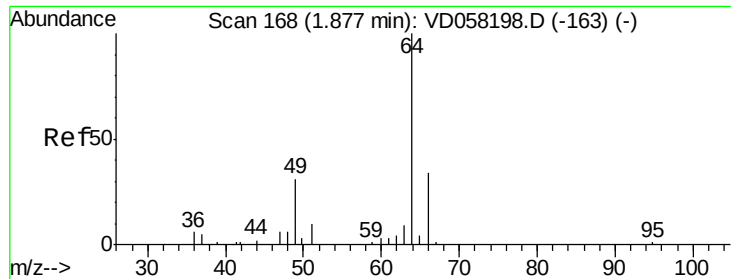
64 34.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 13.197 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

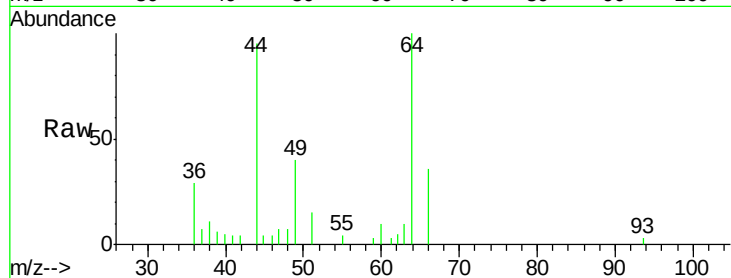
ClientSampleId :

Tot Ion: 64 Resp: 19874

Ion Ratio Lower Upper

64 100

66 36.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.89

10000

8000

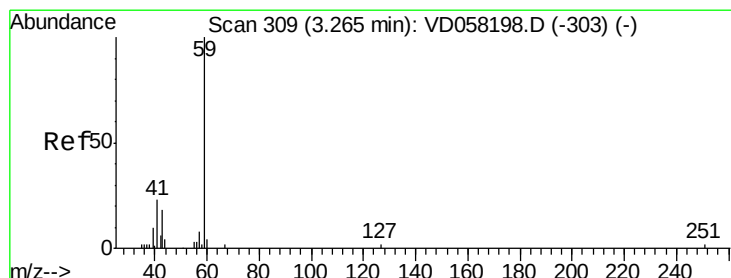
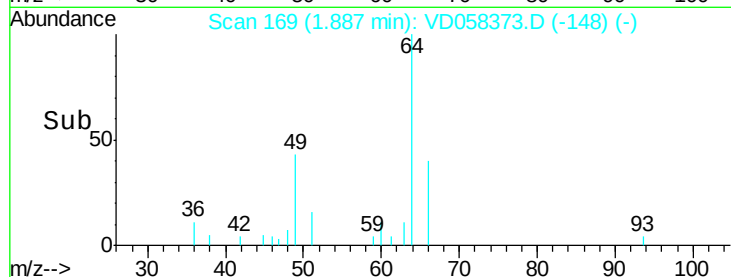
6000

4000

2000

0

Time--> 1.80 1.85 1.90 1.95 2.00



#11

Tert butyl alcohol

Concen: 78.963 ug/l

RT: 3.27 min Scan# 310

Delta R.T. 0.01 min

Lab File: VD058373.D

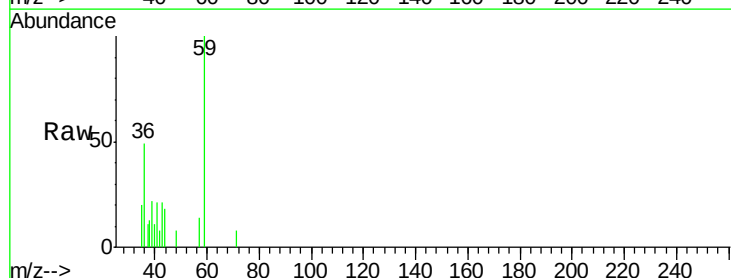
Acq: 24 Jun 2018 15:53

Tgt Ion: 59 Resp: 19732

Ion Ratio Lower Upper

59 100

57 14.3 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.27

4000

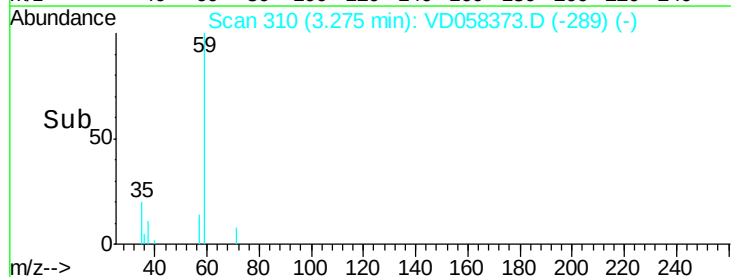
3000

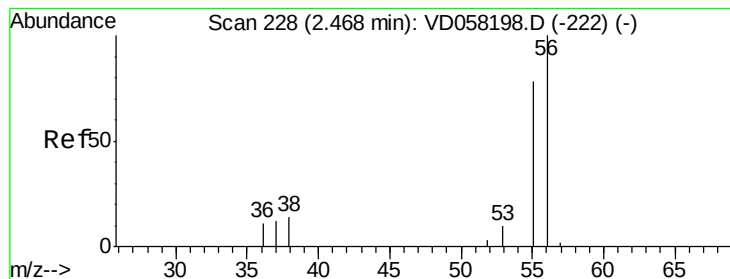
2000

1000

0

Time--> 3.10 3.20 3.30 3.40





#13

Acrolein

Concen: 1.297 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.15 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

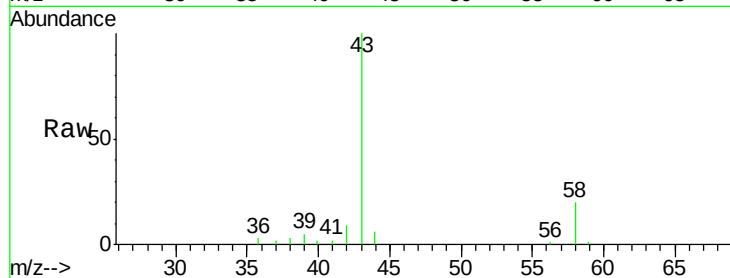
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 185

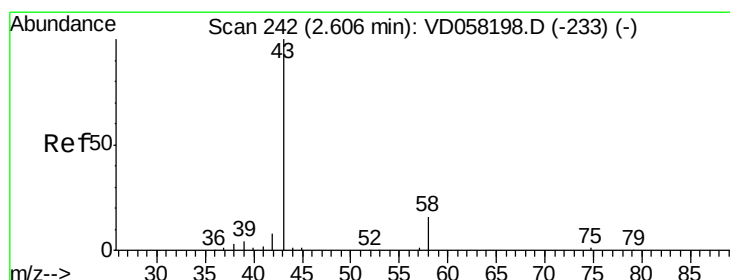
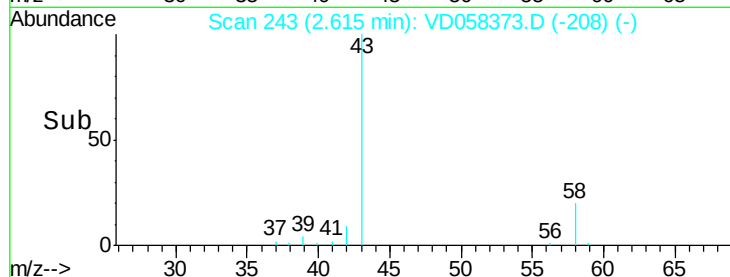
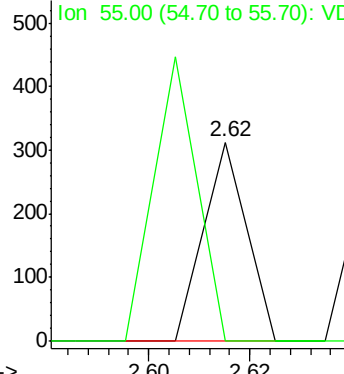
Ion Ratio Lower Upper

56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 165.389 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058373.D

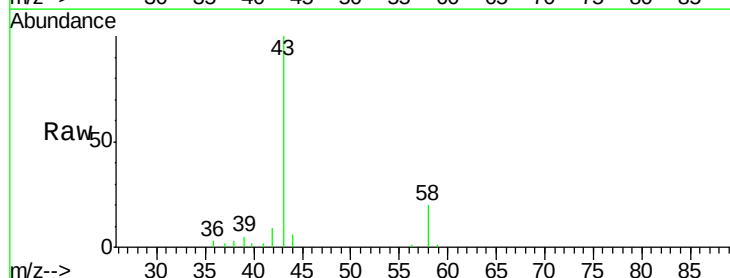
Acq: 24 Jun 2018 15:53

Tgt Ion: 43 Resp: 171369

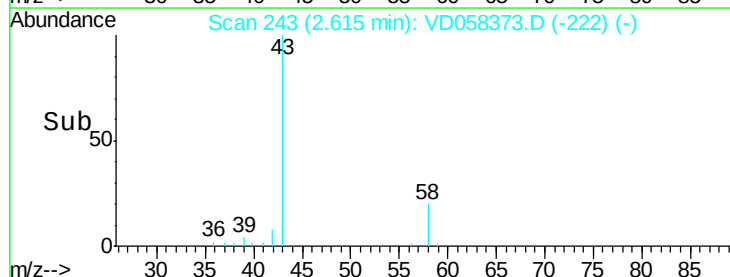
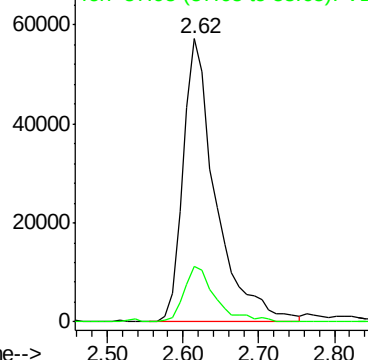
Ion Ratio Lower Upper

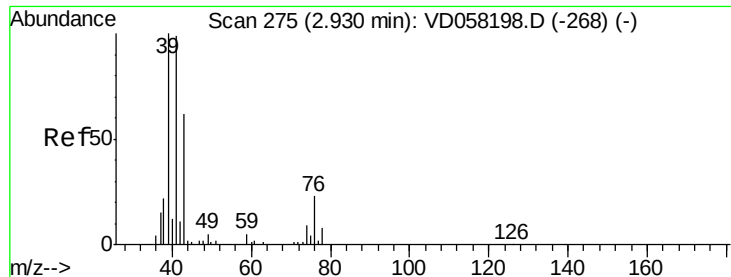
43 100

58 19.6 12.7 19.1#



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

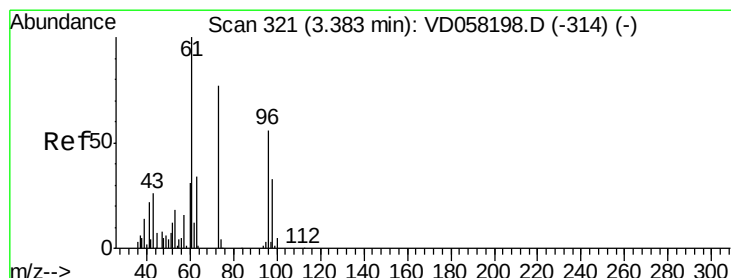
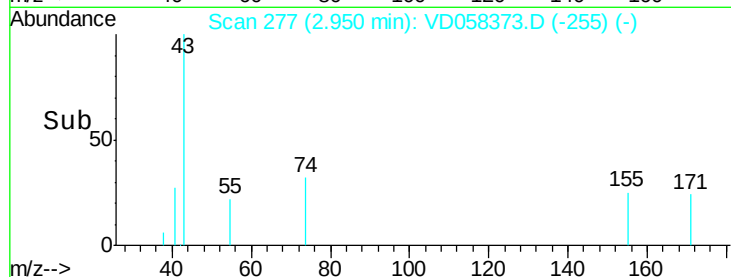
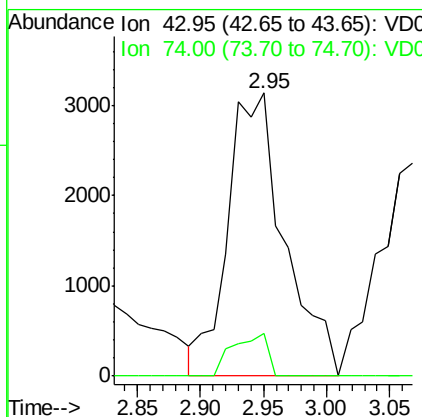
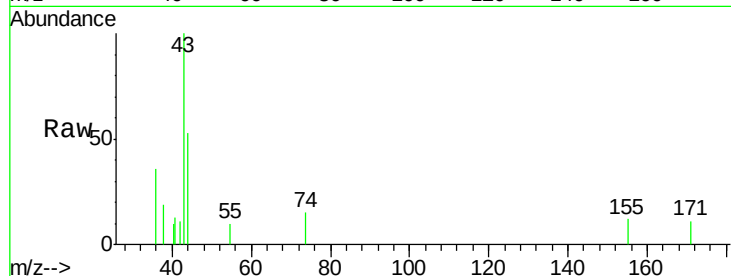




#18
Methvl Acetate
Concen: 4.430 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

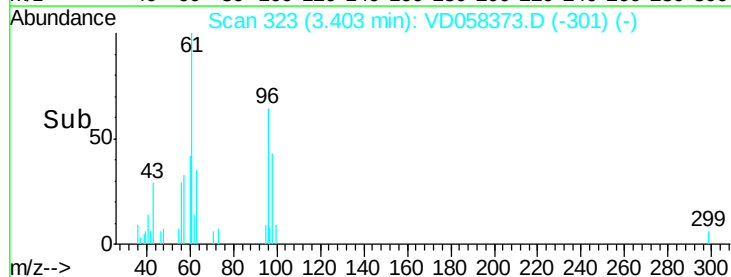
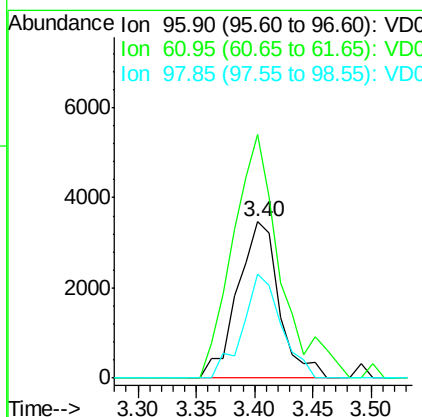
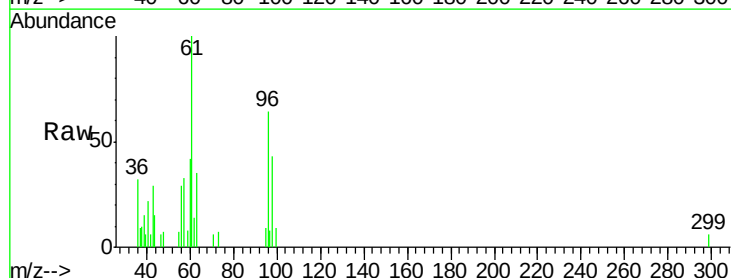
Instrument :
MSVOA_D
ClientSampleId :

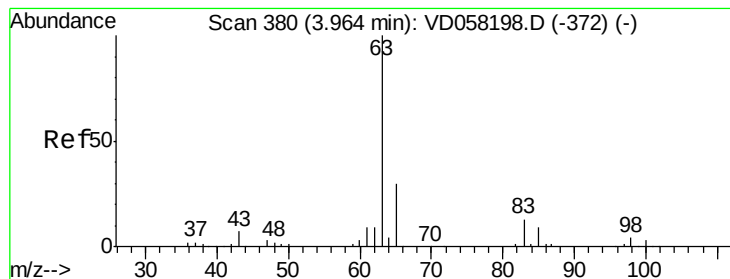
Tot Ion: 43 Resp: 9789
Ion Ratio Lower Upper
43 100
74 15.1 11.7 17.5



#21
trans-1,2-Dichloroethene
Concen: 3.045 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.02 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion: 96 Resp: 8575
Ion Ratio Lower Upper
96 100
61 155.6 143.8 215.6
98 66.3 48.0 72.0





#24

1,1-Dichloroethane

Concen: 2.206 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

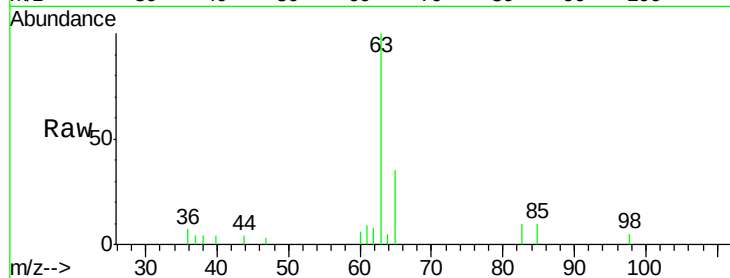
Tot Ion: 63 Resp: 28315

Ion Ratio Lower Upper

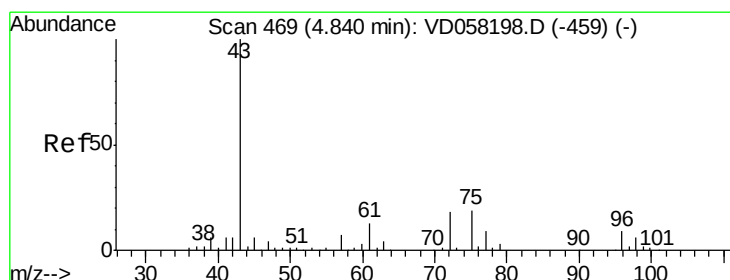
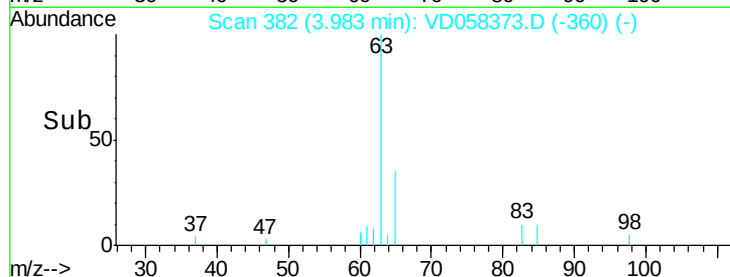
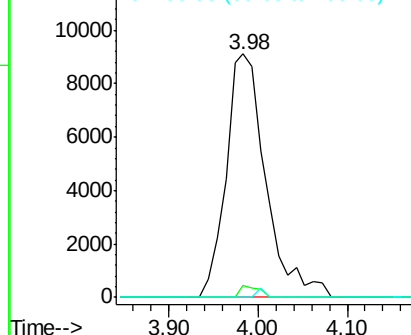
63 100

98 5.0 1.9 5.7

100 0.0 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



#25

2-Butanone

Concen: 28.538 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058373.D

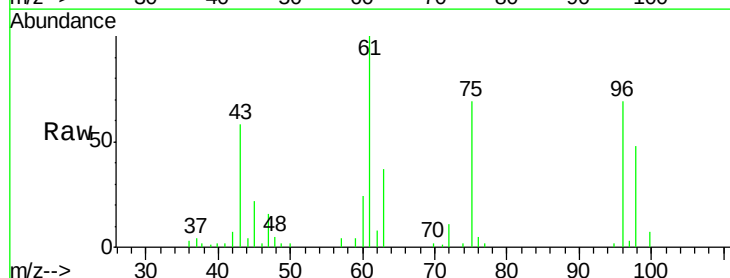
Acq: 24 Jun 2018 15:53

Tgt Ion: 43 Resp: 64448

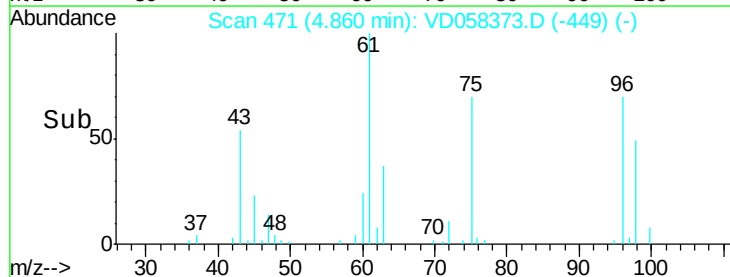
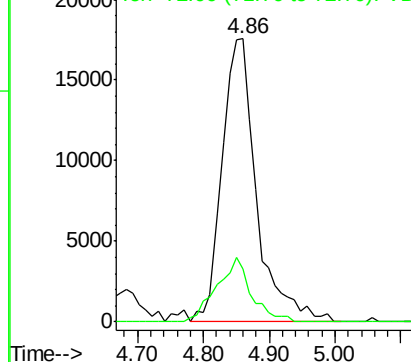
Ion Ratio Lower Upper

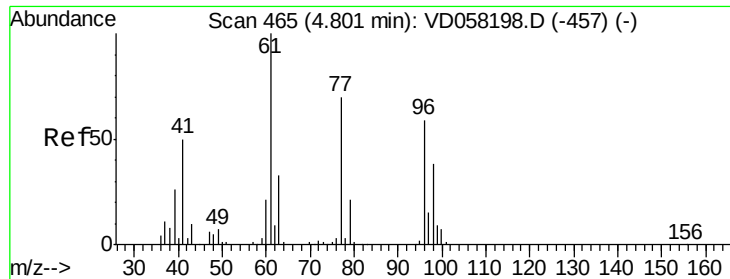
43 100

72 18.6 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



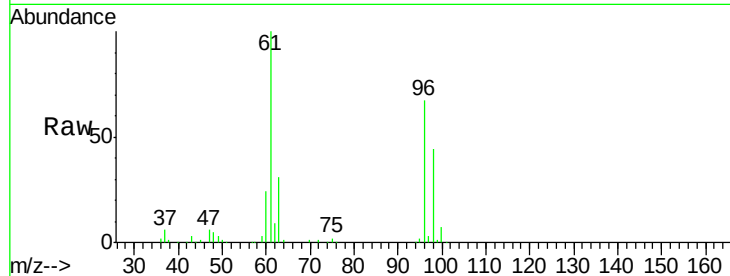


#27

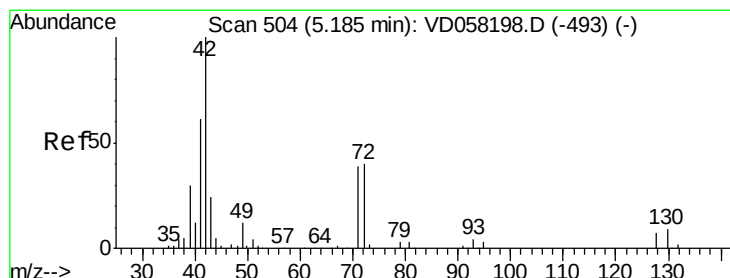
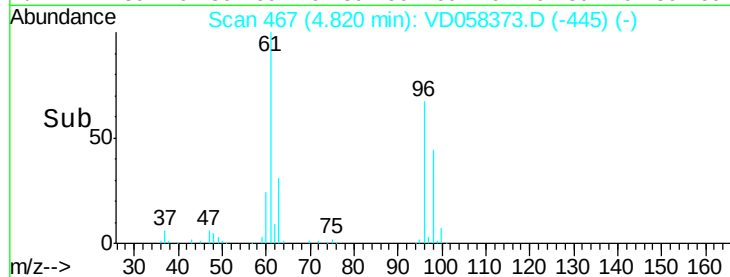
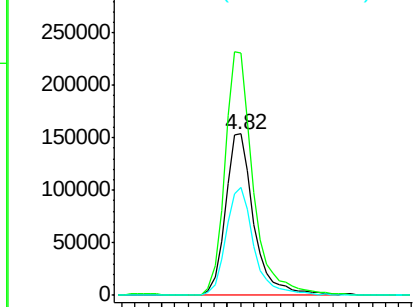
cis-1,2-Dichloroethene
Concen: 66.030 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	338.6
98	66.9	0.0	130.2



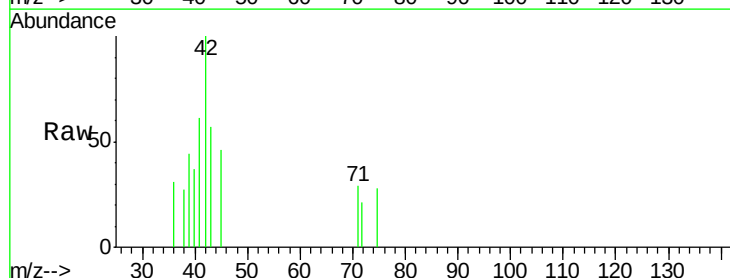
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



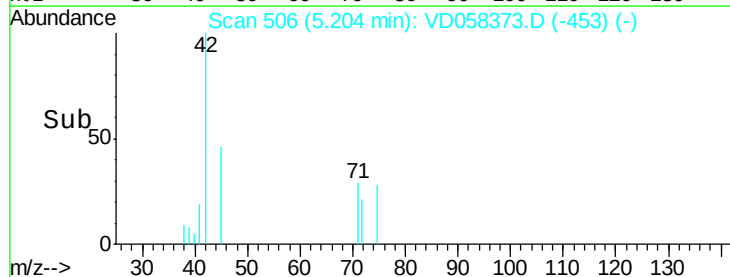
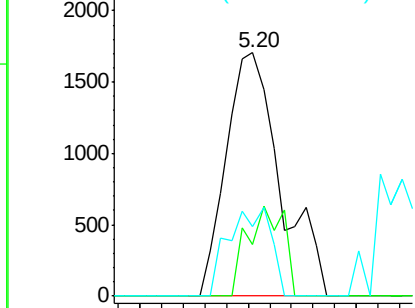
#29

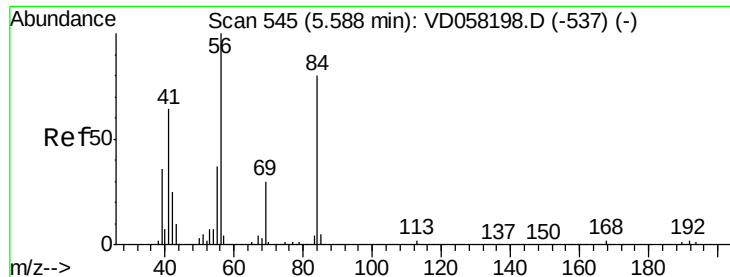
Tetrahydrofuran
Concen: 4.959 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion	Ratio	Lower	Upper
42	100		
72	25.2	30.2	45.2#
71	28.4	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

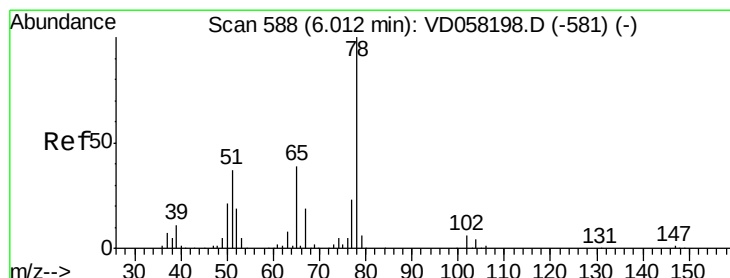
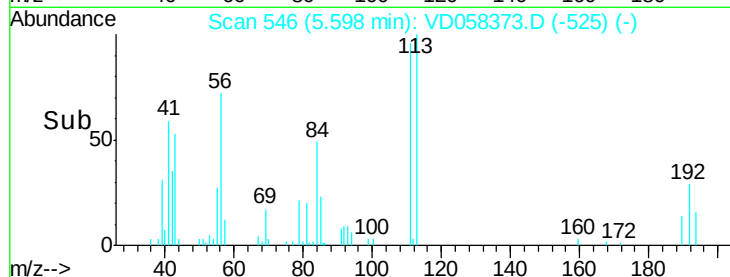
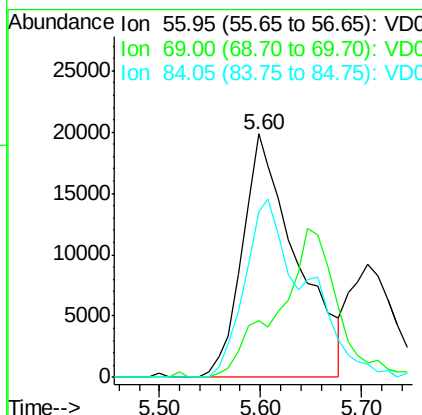
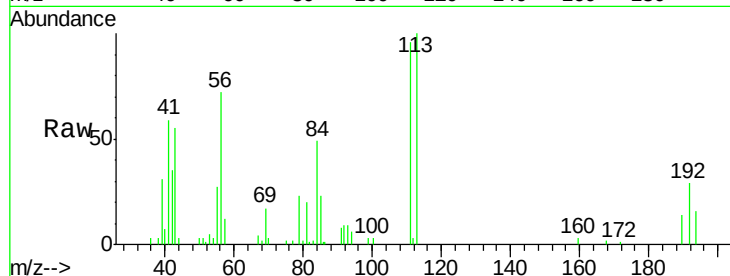




#31
Cyclohexane
Concen: 3.035 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

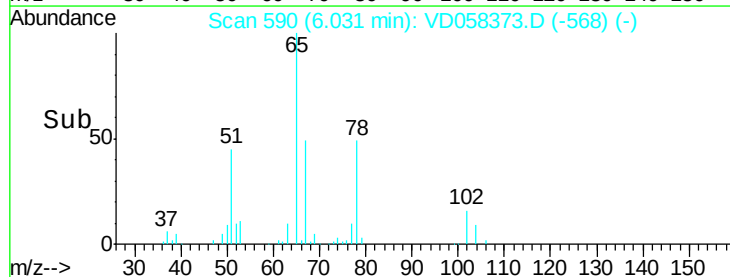
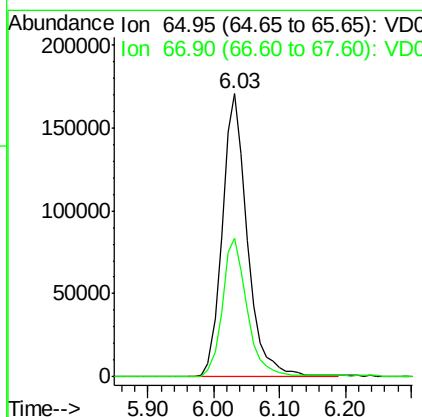
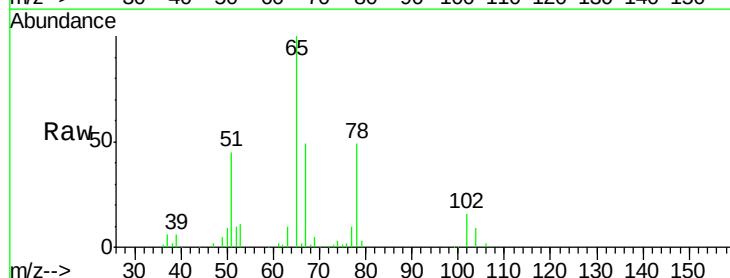
Instrument :
MSVOA_D
ClientSampleId :

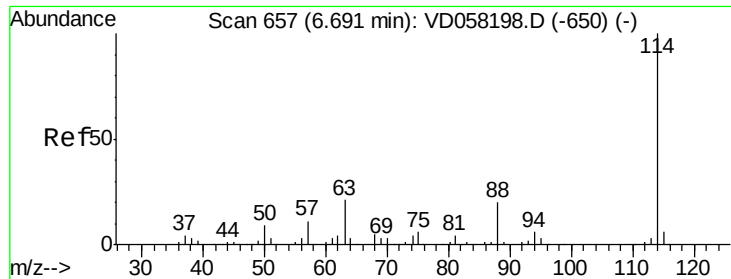
Tot Ion: 56 Resp: 74030
Ion Ratio Lower Upper
56 100
69 23.1 23.6 35.4#
84 67.8 65.2 97.8



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion: 65 Resp: 454245
Ion Ratio Lower Upper
65 100
67 49.0 0.0 97.8

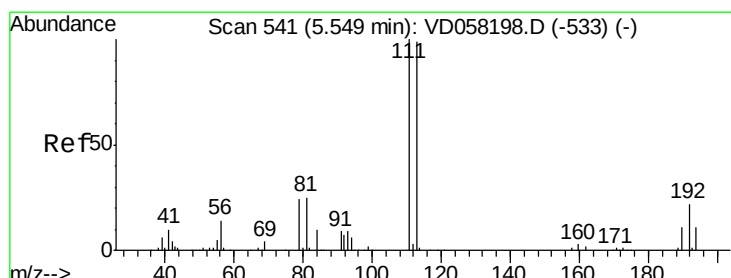
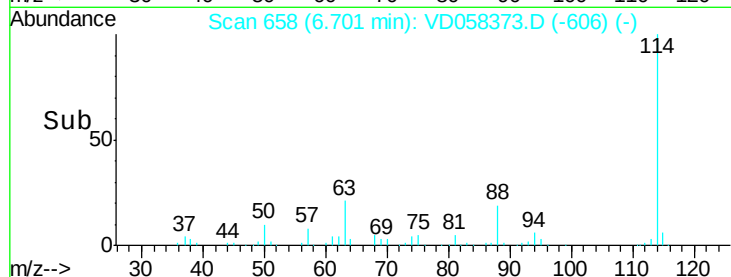
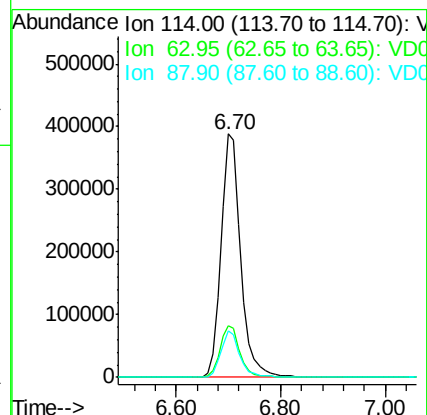
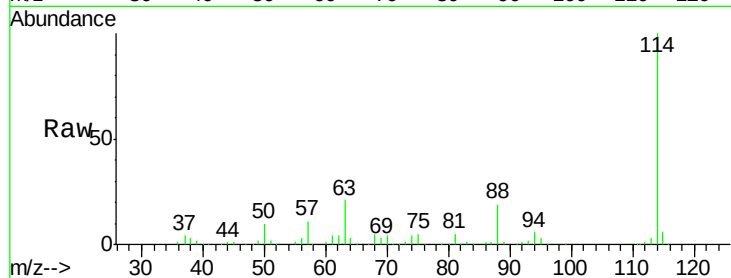




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

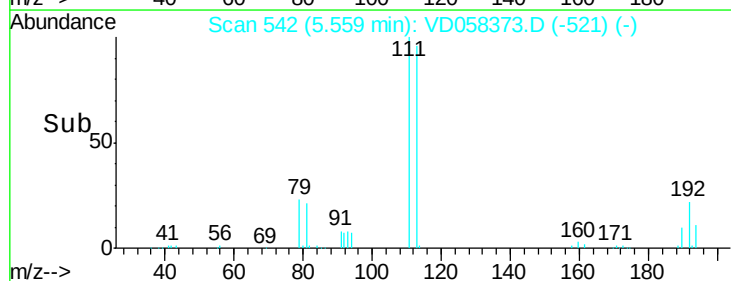
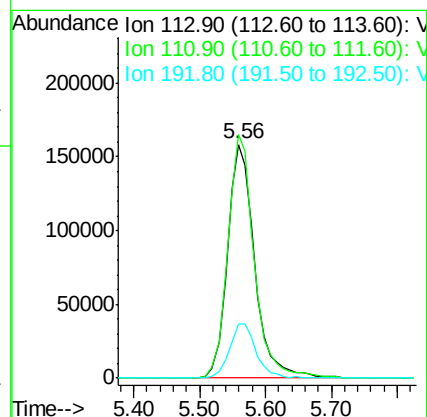
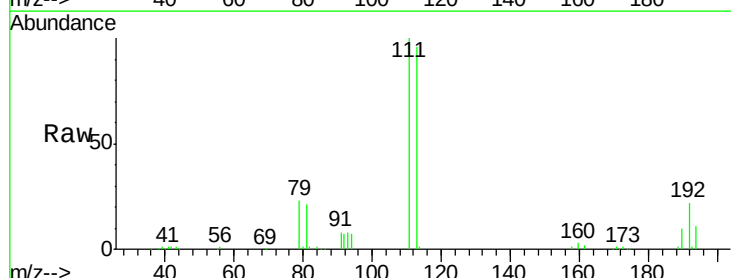
Instrument :
 MSVOA_D
 ClientSampled :

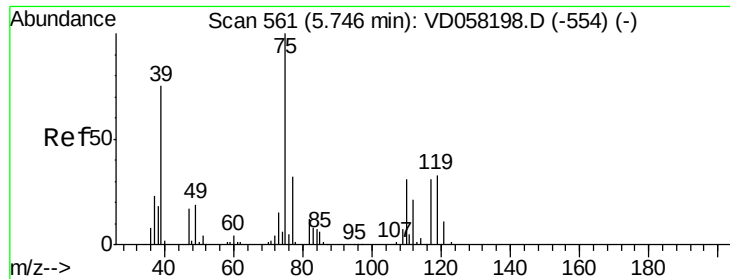
Tot Ion:114 Resp: 1013487
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 19.1 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Tgt Ion:113 Resp: 455798
 Ion Ratio Lower Upper
 113 100
 111 104.2 80.6 121.0
 192 22.9 17.8 26.6

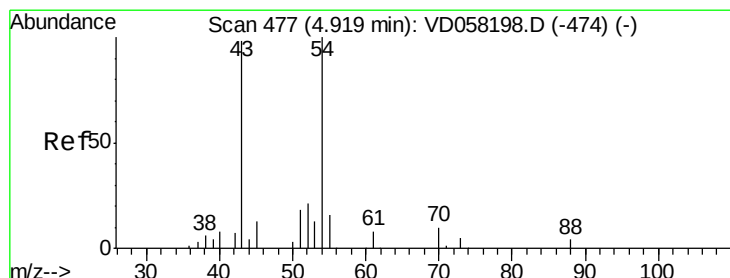
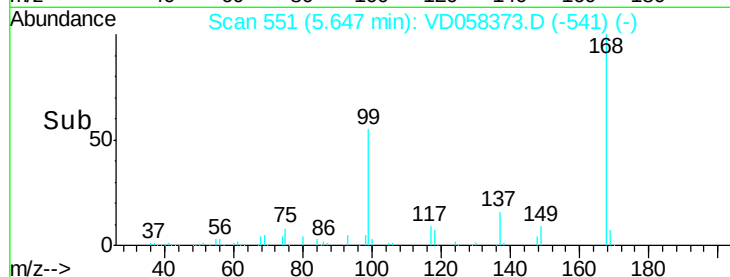
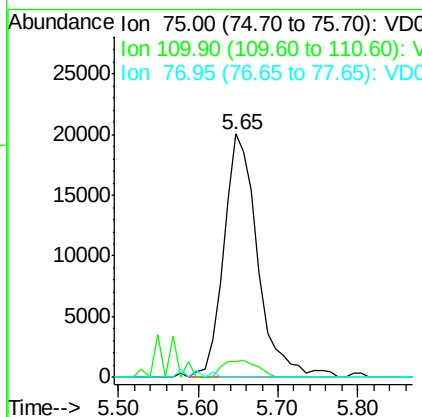
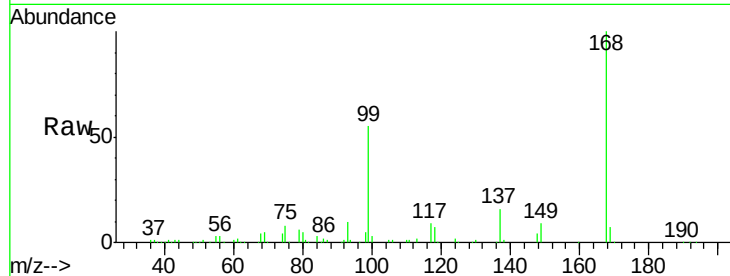




#36
 1,1-Dichloropropene
 Concen: 5.963 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

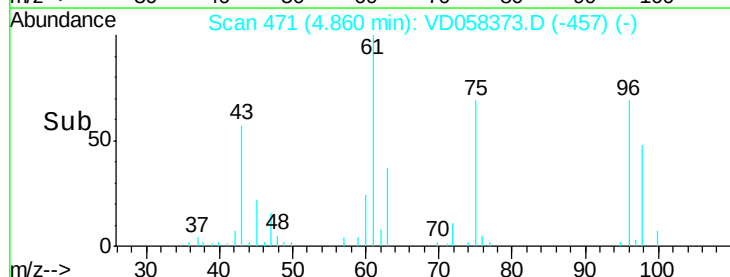
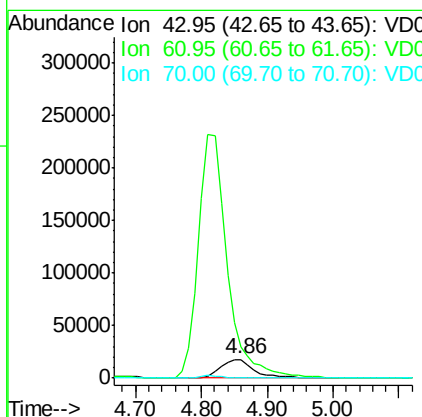
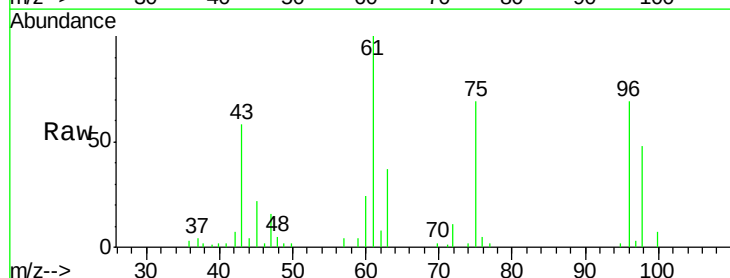
Instrument :
 MSVOA_D
 ClientSampleId :

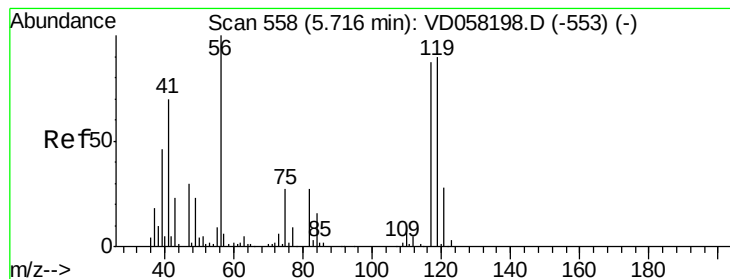
Tot Ion: 75 Resp: 59788
 Ion Ratio Lower Upper
 75 100
 110 6.3 15.4 46.4#
 77 0.0 25.4 38.2#



#37
 Ethyl Acetate
 Concen: 11.282 ug/l
 RT: 4.86 min Scan# 471
 Delta R.T. -0.06 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Tgt Ion: 43 Resp: 64448
 Ion Ratio Lower Upper
 43 100
 61 171.8 10.3 15.5#
 70 2.7 5.7 8.5#





#38

Carbon Tetrachloride

Concen: 6.311 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

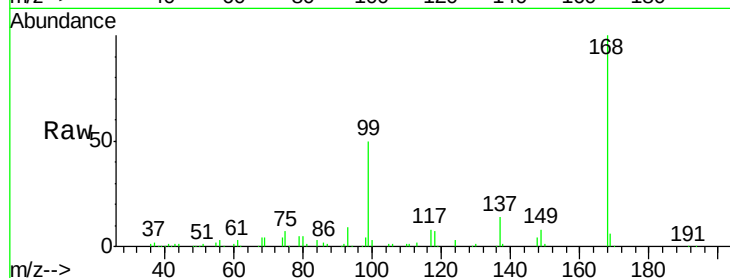
Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

ClientSampled :



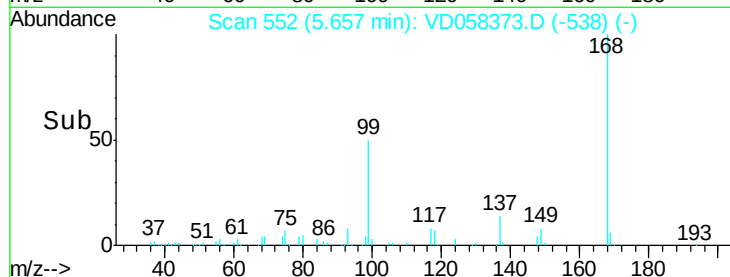
Tot Ion:117 Resp: 62867

Ion Ratio Lower Upper

117 100

119 4.4 78.8 118.2#

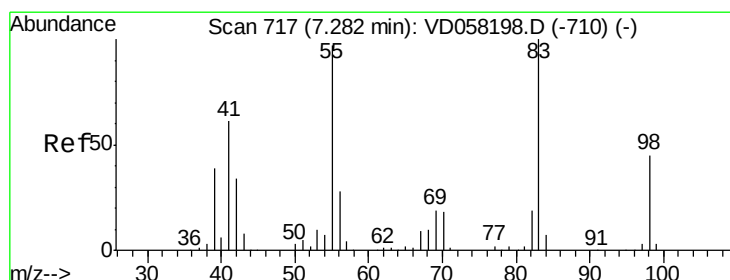
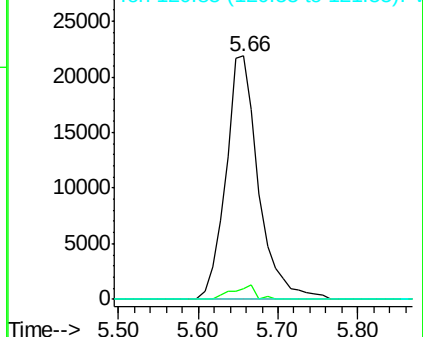
121 0.0 25.0 37.6#



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: 37.622 ug/l

RT: 7.30 min Scan# 719

Delta R.T. 0.02 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

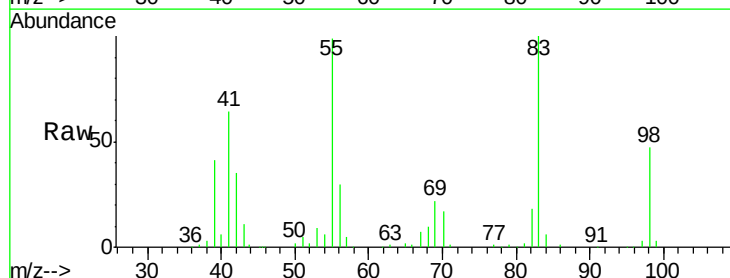
Tgt Ion: 83 Resp: 367395

Ion Ratio Lower Upper

83 100

55 99.4 77.4 116.2

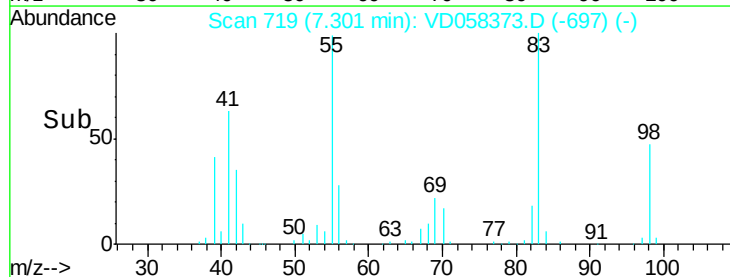
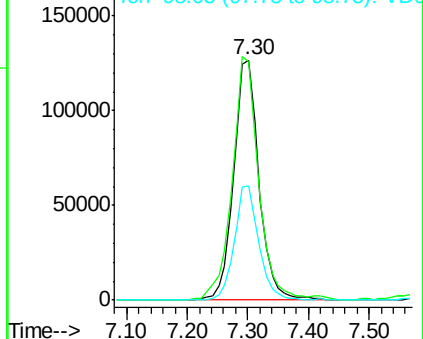
98 47.5 35.9 53.9

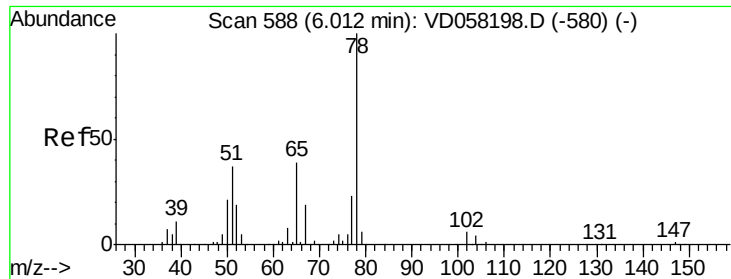


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 9.789 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

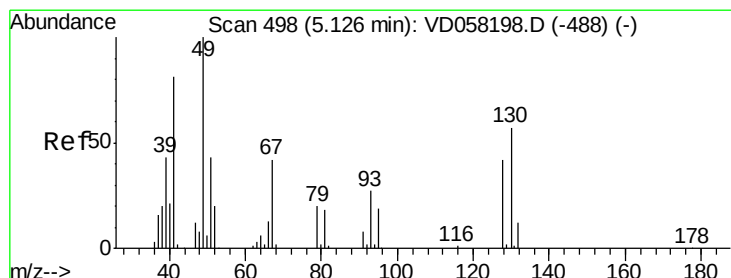
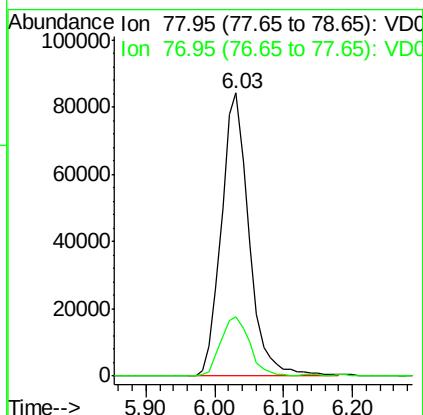
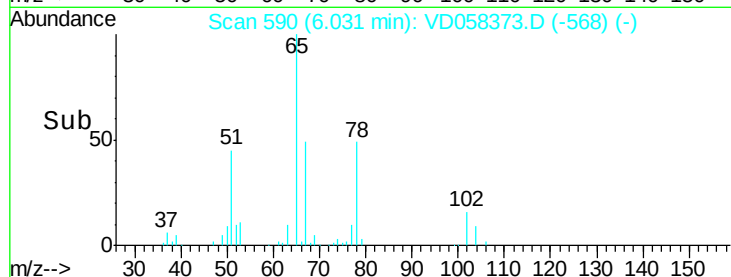
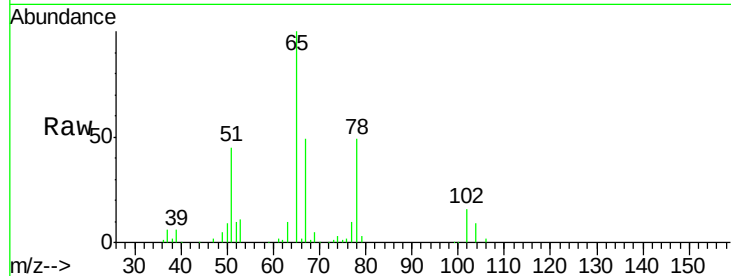
ClientSampleId :

Tot Ion: 78 Resp: 233797

Ion Ratio Lower Upper

78 100

77 21.2 18.5 27.7



#41

Methacrylonitrile

Concen: 1.790 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.07 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Tgt Ion: 41 Resp: 4938

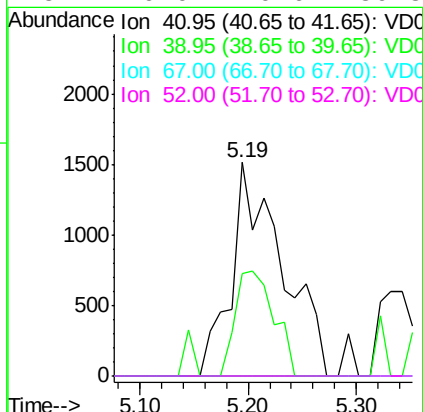
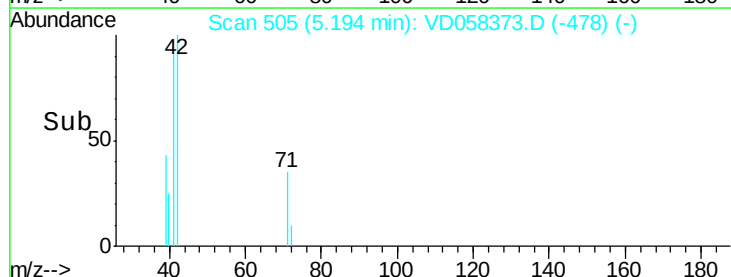
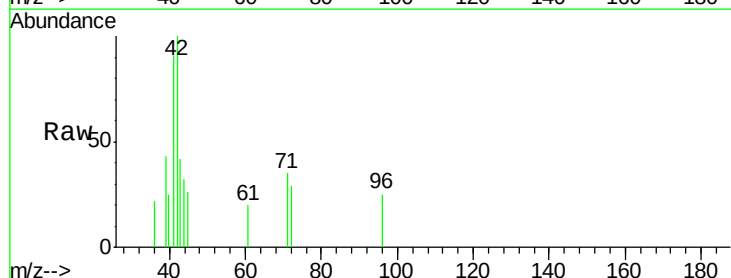
Ion Ratio Lower Upper

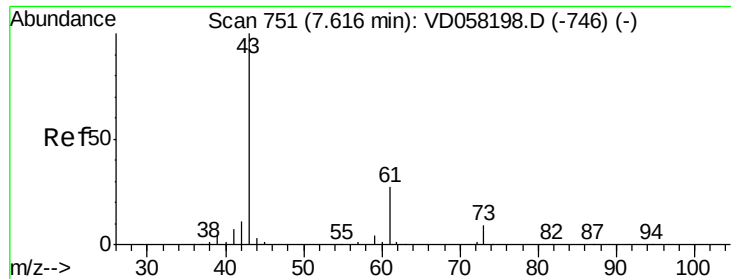
41 100

39 47.9 43.4 65.2

67 0.0 41.7 62.5#

52 0.0 20.6 30.8#

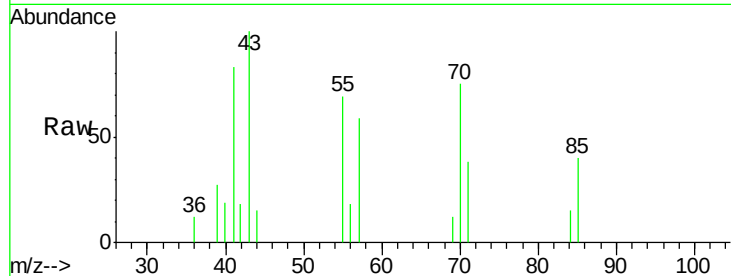




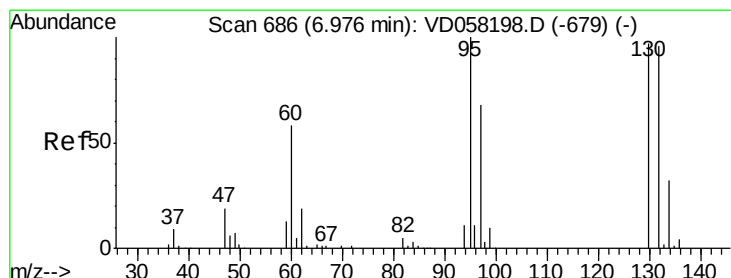
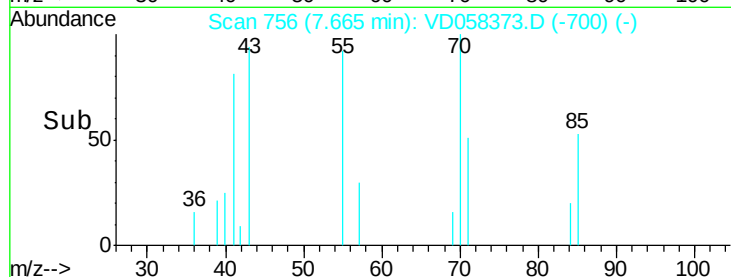
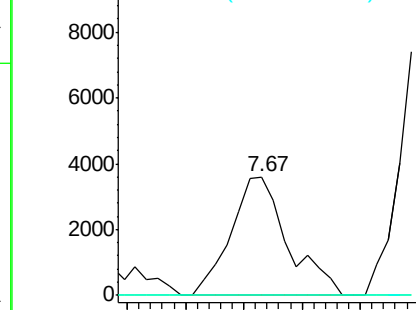
#43
Isopropyl Acetate
Concen: 1.601 ug/l
RT: 7.67 min Scan# 756
Delta R.T. 0.05 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 12194
Ion Ratio Lower Upper
43 100
61 0.0 21.8 32.6#
87 0.0 0.3 0.5#

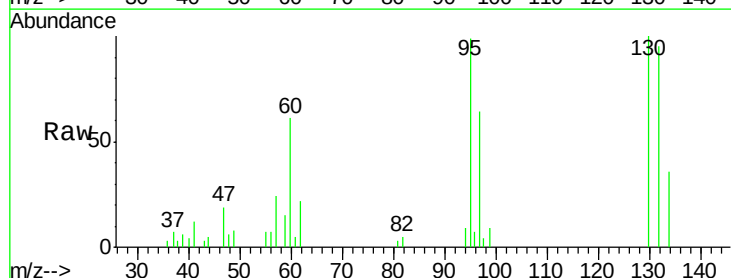


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

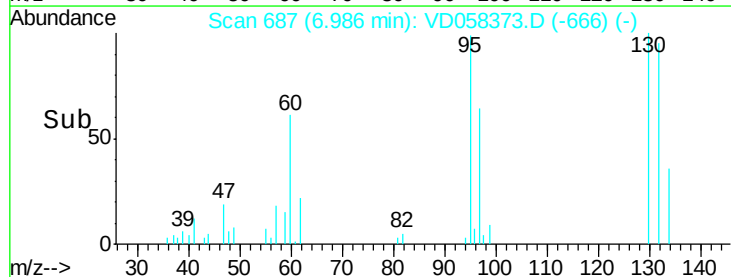
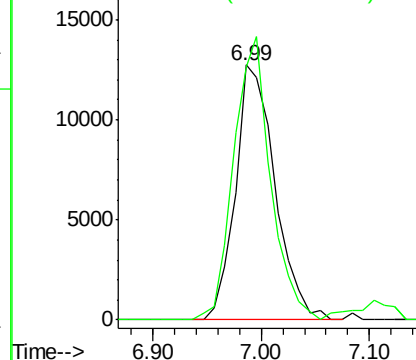


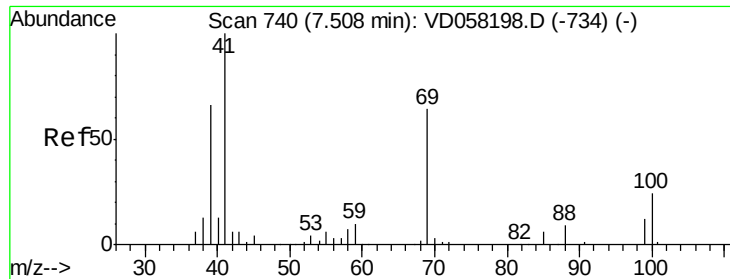
#44
Trichloroethene
Concen: 4.520 ug/l
RT: 6.99 min Scan# 687
Delta R.T. 0.01 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion:130 Resp: 32418
Ion Ratio Lower Upper
130 100
95 99.4 0.0 205.6



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

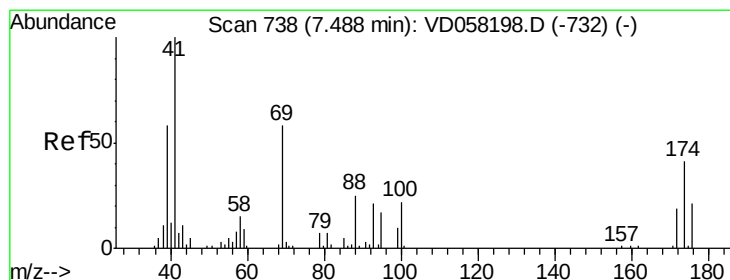
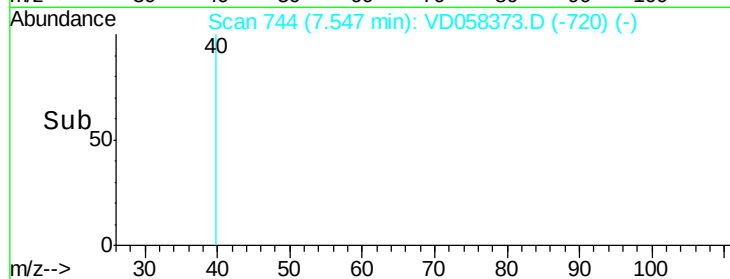
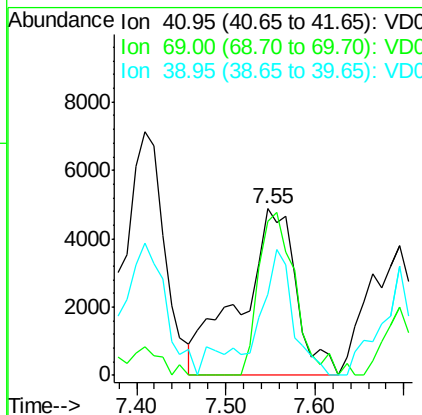
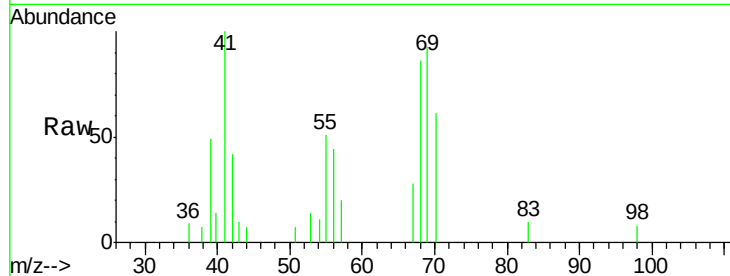




#48
Methvl methacrylate
Concen: 4.553 ug/l
RT: 7.55 min Scan# 744
Delta R.T. 0.04 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

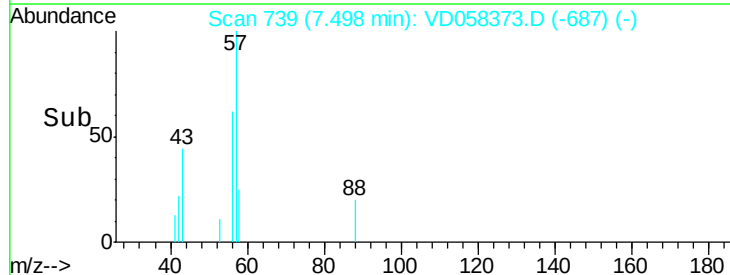
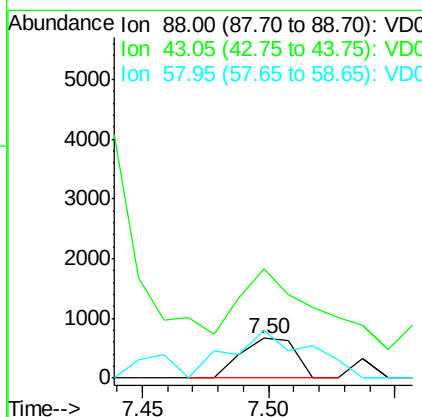
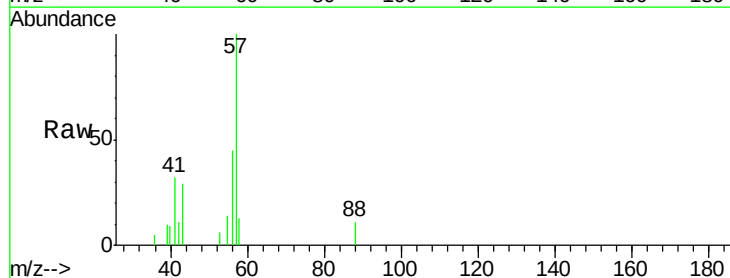
Instrument :
MSVOA_D
ClientSampleId :

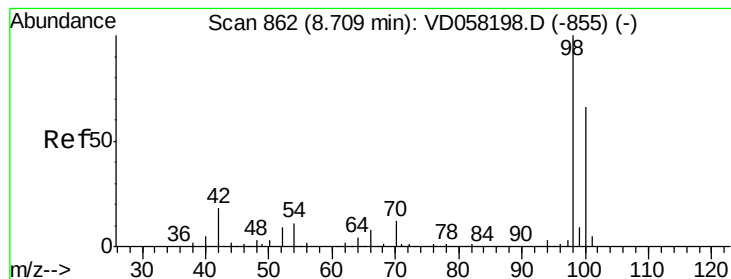
Tot Ion: 41 Resp: 21074
Ion Ratio Lower Upper
41 100
69 92.7 50.7 76.1#
39 48.6 52.6 78.8#



#49
1,4-Dioxane
Concen: 23.862 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion: 88 Resp: 997
Ion Ratio Lower Upper
88 100
43 274.9 34.2 51.2#
58 120.2 47.9 71.9#





#50

Toluene-d8

Concen: 23.862 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

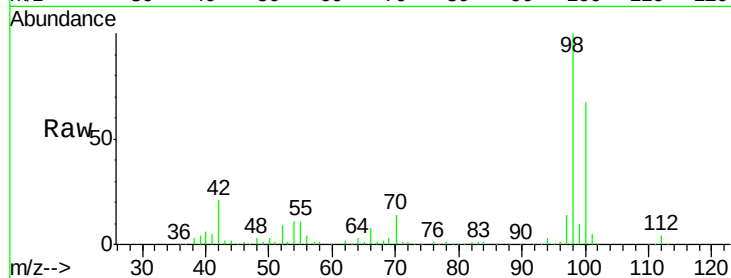
ClientSampleId :

Tot Ion: 98 Resp: 1031889

Ion Ratio Lower Upper

98 100

100 67.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

8.72

400000

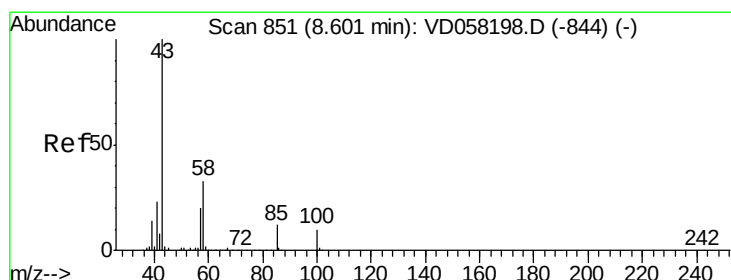
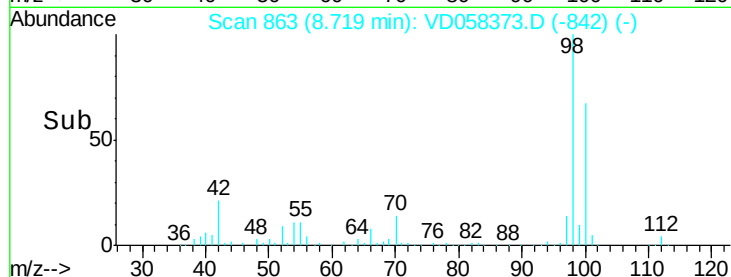
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.287 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058373.D

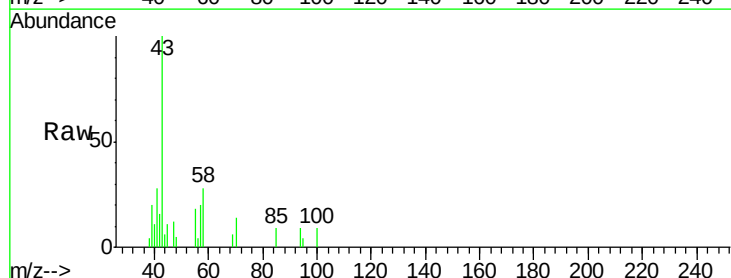
Acq: 24 Jun 2018 15:53

Tgt Ion: 43 Resp: 16331

Ion Ratio Lower Upper

43 100

58 28.4 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VD058198.D (-844) (-)

Ion 57.95 (57.65 to 58.65): VD058198.D (-844) (-)

8.61

8000

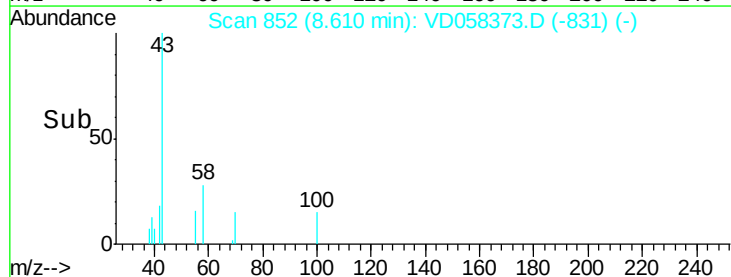
6000

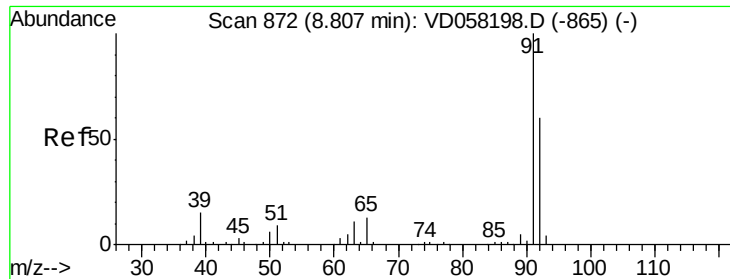
4000

2000

0

Time-->





#52

Toluene

Concen: 44.521 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

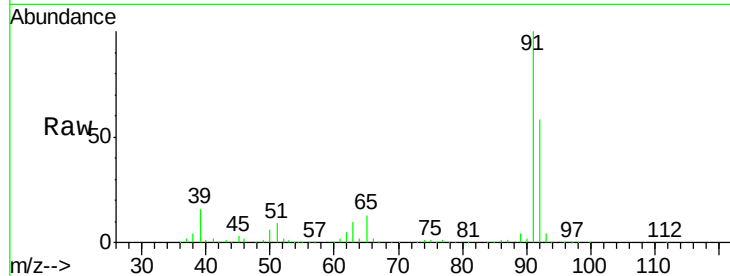
ClientSampled :

Tot Ion: 92 Resp: 605453

Ion Ratio Lower Upper

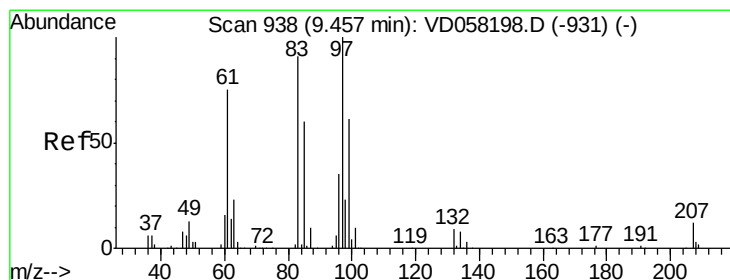
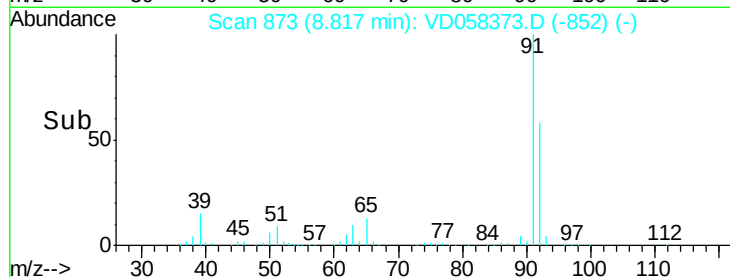
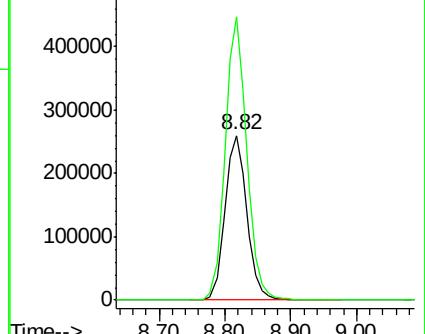
92 100

91 171.9 133.2 199.8



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: 9.696 ug/l

RT: 9.39 min Scan# 931

Delta R.T. -0.07 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Tgt Ion: 97 Resp: 46651

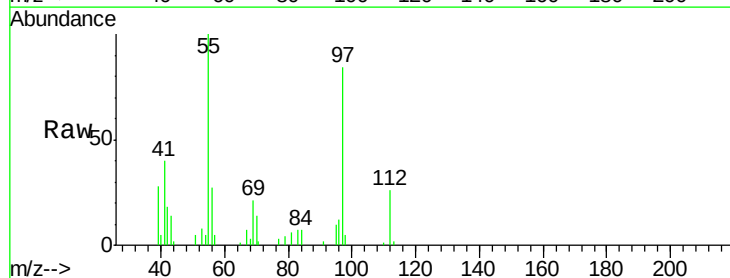
Ion Ratio Lower Upper

97 100

83 7.7 72.9 109.3#

85 0.0 48.2 72.4#

99 0.0 48.9 73.3#

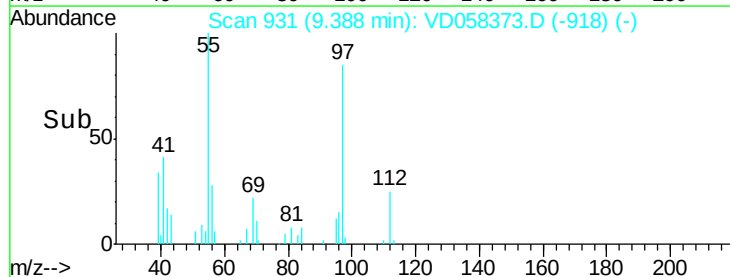
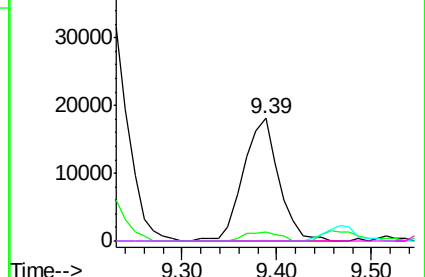


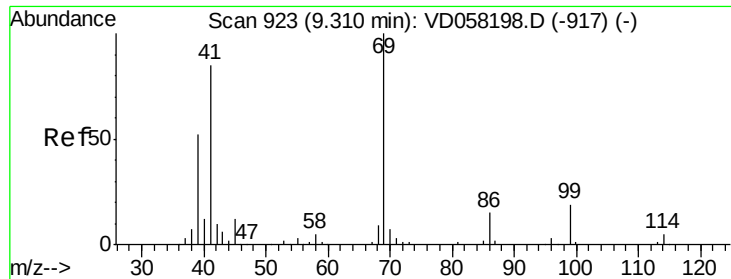
Abundance Ion 96.85 (96.55 to 97.55): VDC

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

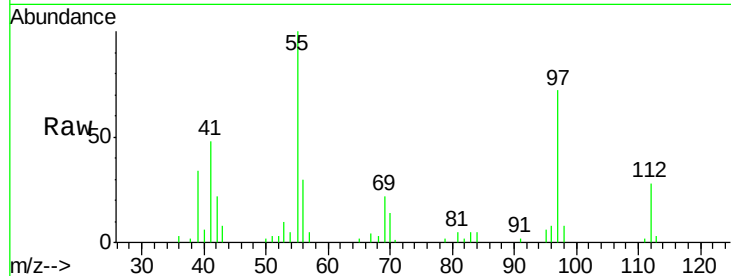




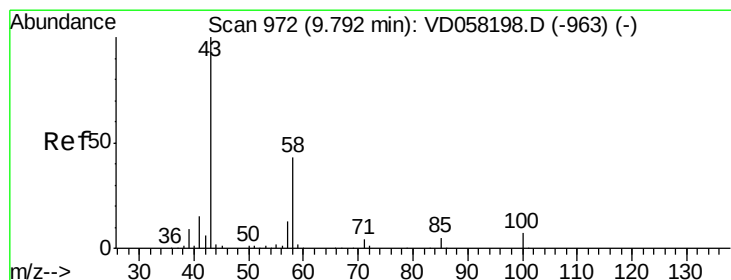
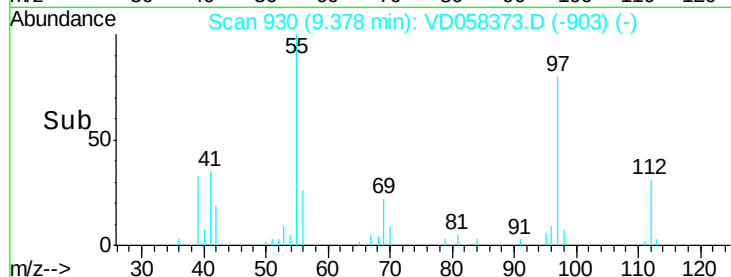
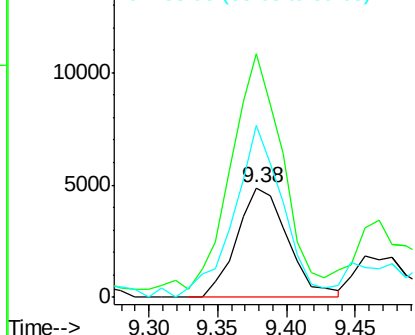
#56
Ethyl methacrylate
Concen: 2.180 ug/l
RT: 9.38 min Scan# 930
Delta R.T. 0.07 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 69 Resp: 12542
Ion Ratio Lower Upper
69 100
41 221.9 67.6 101.4#
39 157.2 42.2 63.2#

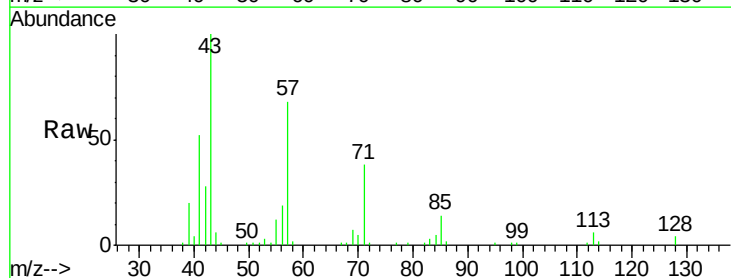


Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

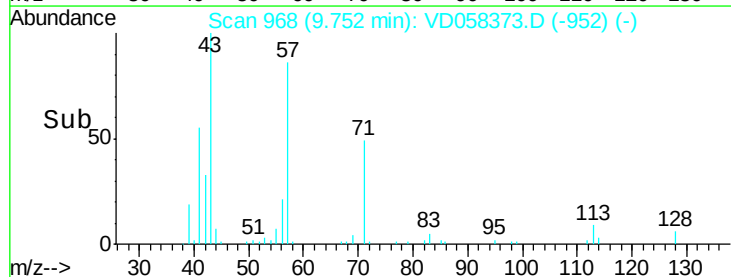
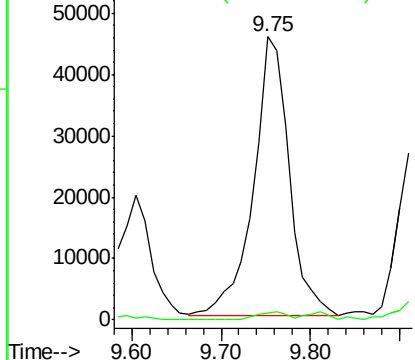


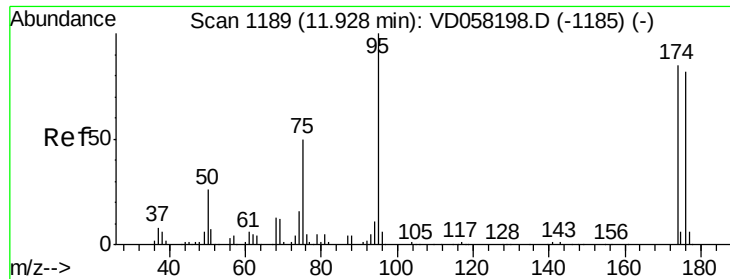
#59
2-Hexanone
Concen: 34.794 ug/l
RT: 9.75 min Scan# 968
Delta R.T. -0.04 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion: 43 Resp: 124894
Ion Ratio Lower Upper
43 100
58 2.4 21.7 65.1#



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

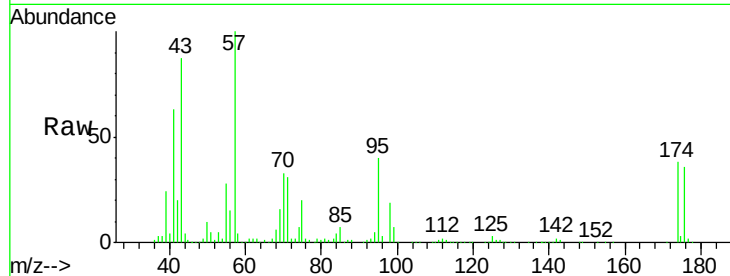
Tot Ion: 95 Resp: 416129

Ion Ratio Lower Upper

95 100

174 95.1 0.0 170.2

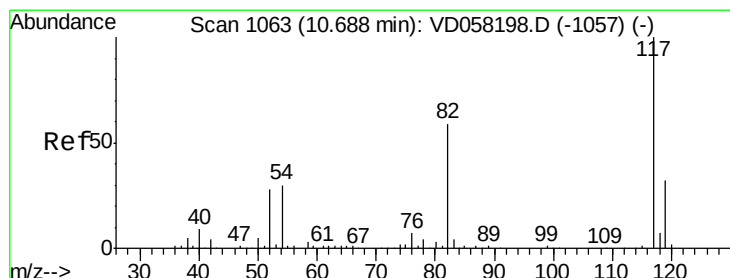
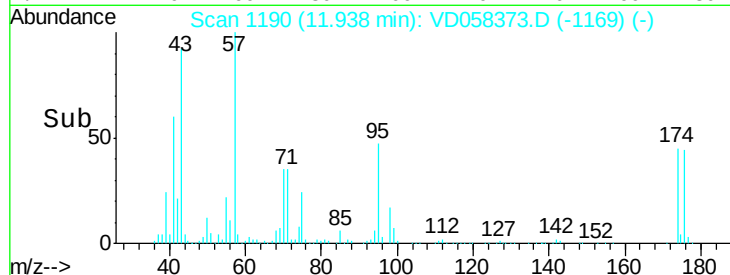
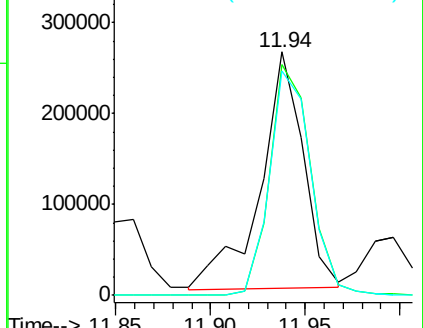
176 92.0 0.0 164.6



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: 10.72 min Scan# 1066

Delta R.T. 0.03 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

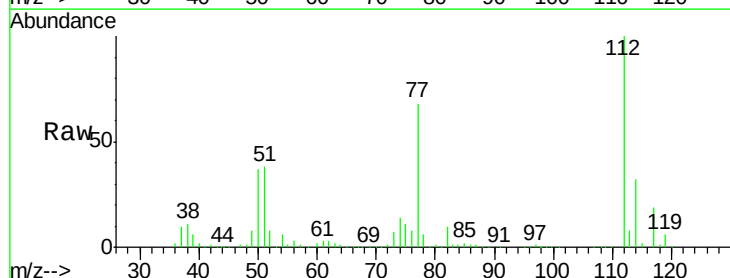
Tgt Ion: 117 Resp: 572037

Ion Ratio Lower Upper

117 100

82 52.3 47.0 70.6

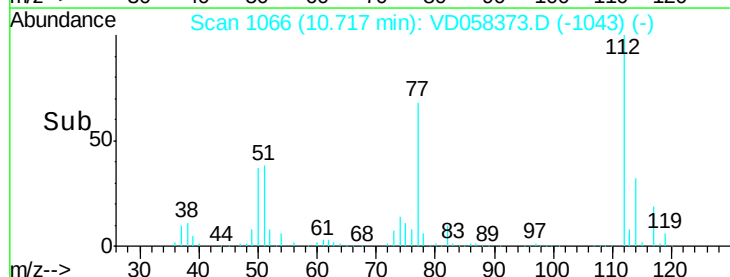
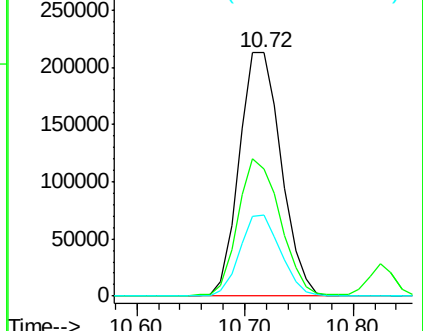
119 33.5 25.3 37.9

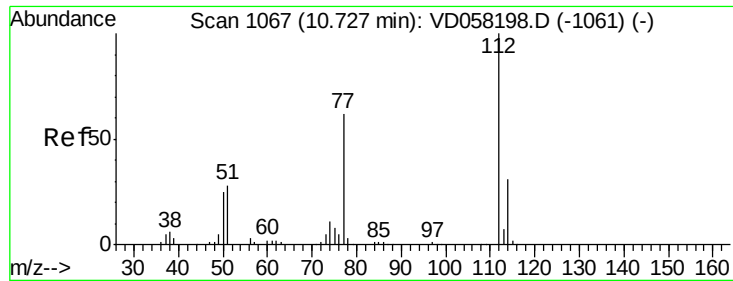


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

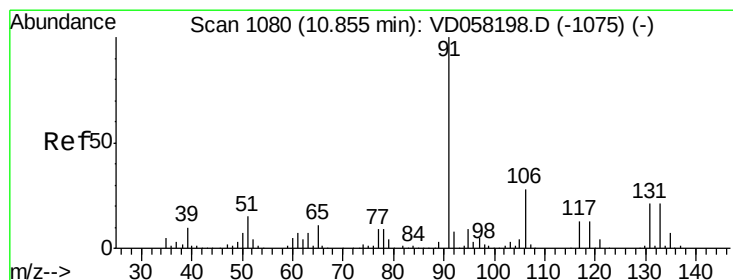
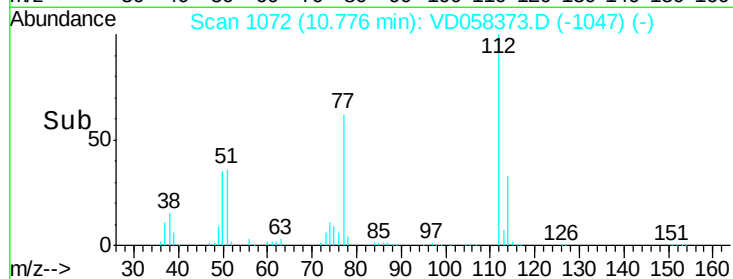
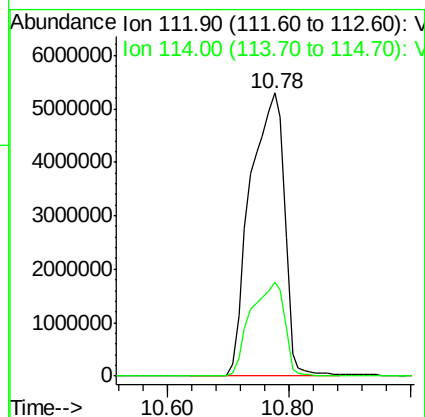
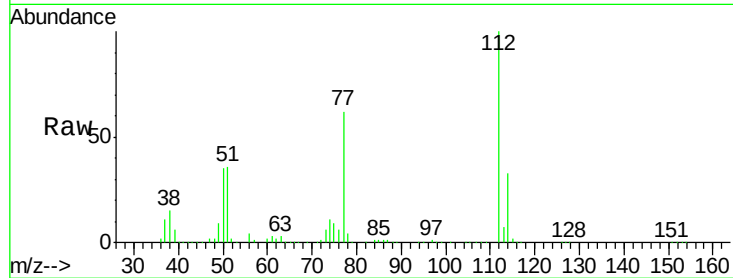




#65
Chlorobenzene
Concen: 1946.602 ug/l
RT: 10.78 min Scan# 1072
Delta R.T. 0.05 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

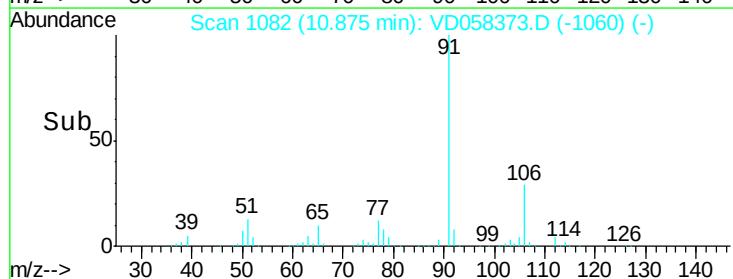
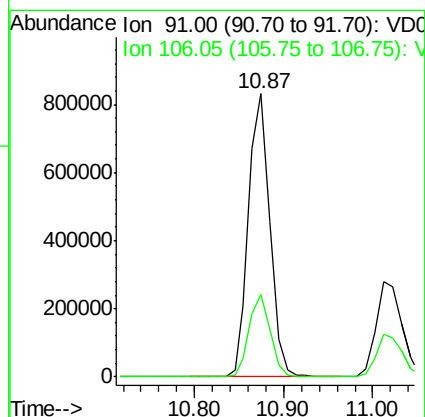
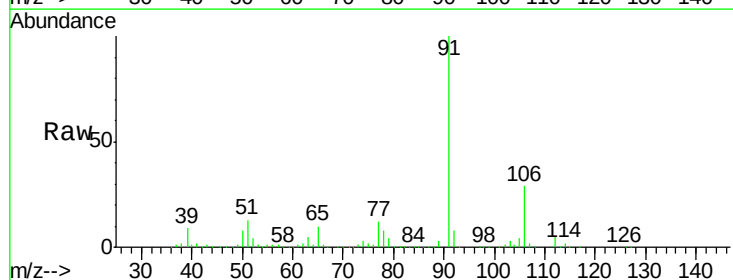
Instrument :
MSVOA_D
ClientSampleId :

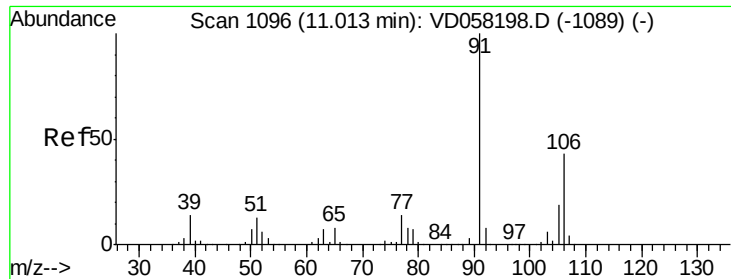
Tot Ion:112 Resp:20829087
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.4



#67
Ethyl Benzene
Concen: 73.153 ug/l
RT: 10.87 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion: 91 Resp: 1381916
Ion Ratio Lower Upper
91 100
106 29.1 22.0 33.0

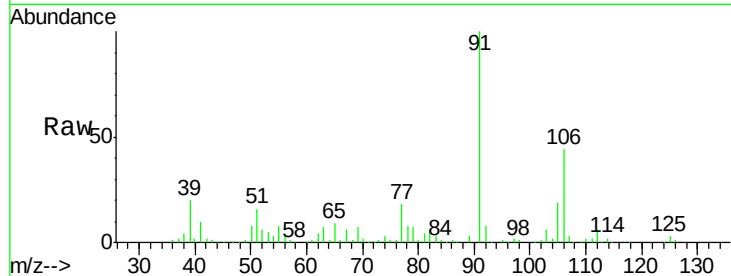




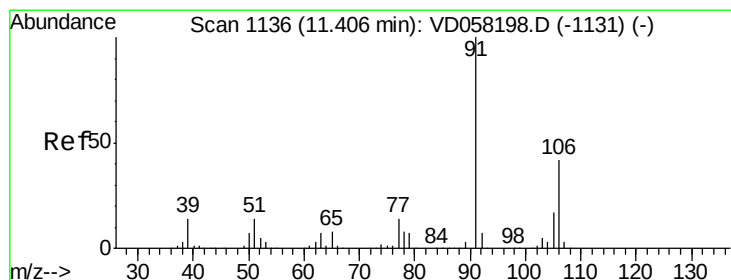
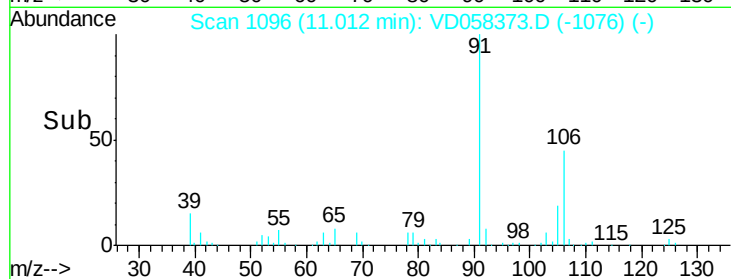
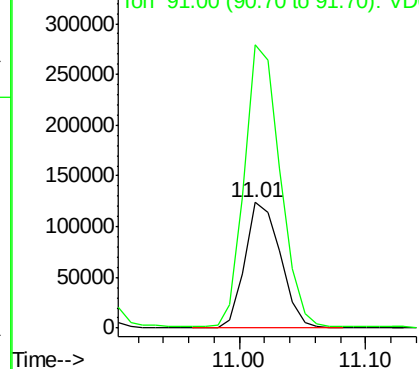
#68
m/p-Xylenes
Concen: 38.469 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 242340
Ion Ratio Lower Upper
106 100
91 224.9 185.0 277.6

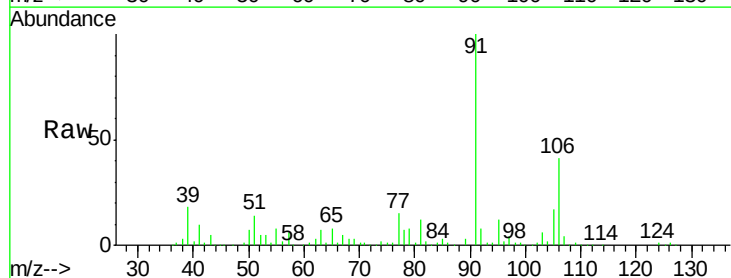


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

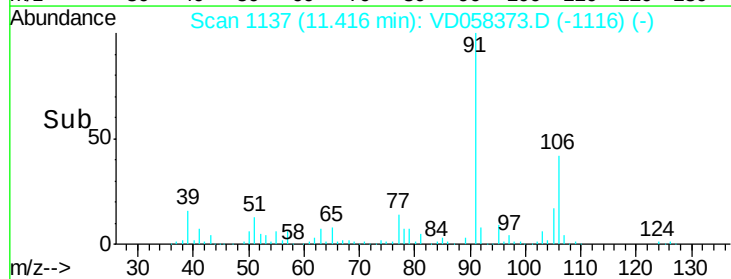
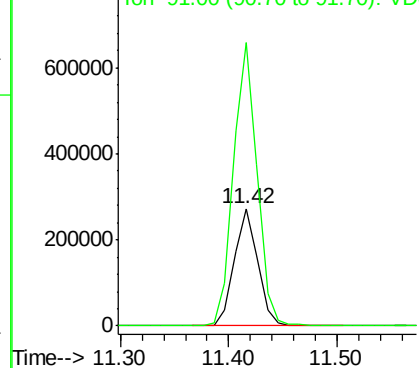


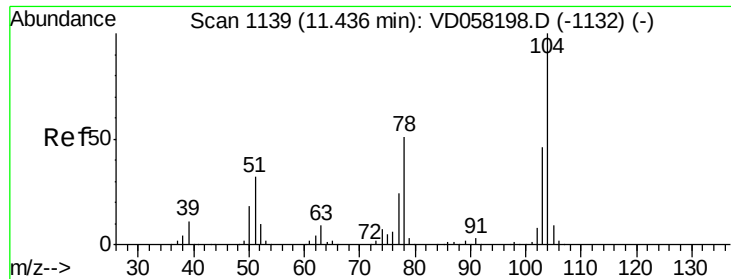
#69
o-Xylene
Concen: 68.752 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion:106 Resp: 413667
Ion Ratio Lower Upper
106 100
91 241.0 120.2 360.6



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

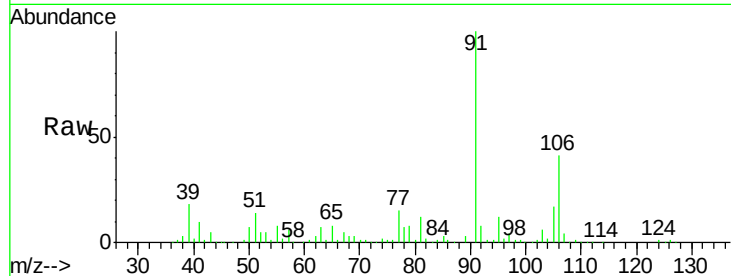




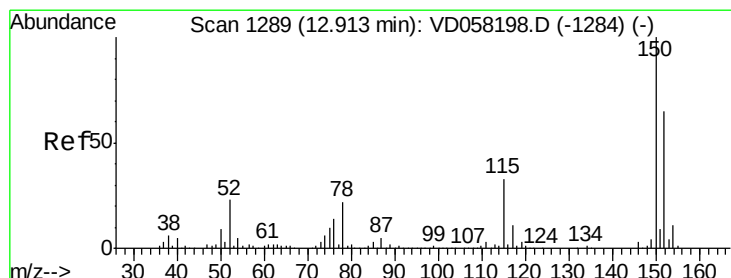
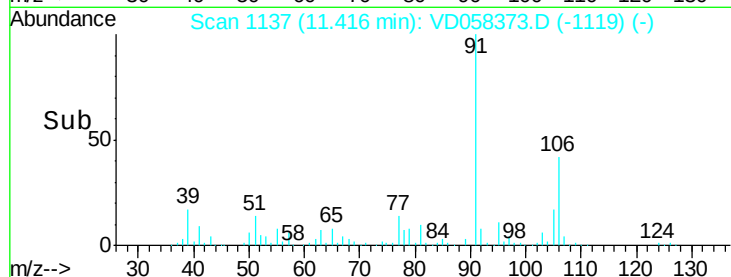
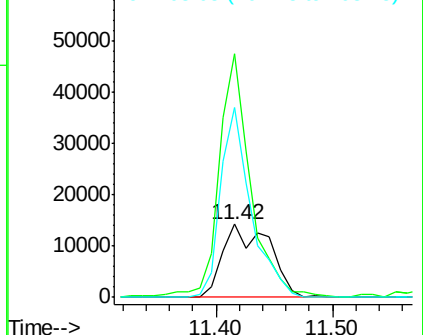
#70
 Stvrene
 Concen: 3.801 ug/l
 RT: 11.42 min Scan# 1137
 Delta R.T. -0.02 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:104 Resp: 39028
 Ion Ratio Lower Upper
 104 100
 78 333.4 40.8 61.2#
 103 260.1 37.0 55.6#

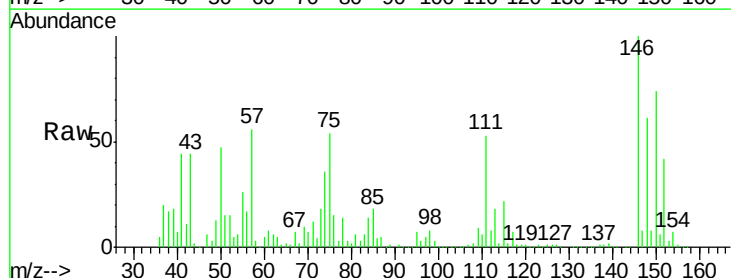


Abundance Ion 104.05 (103.75 to 104.75): V
 Ion 77.95 (77.65 to 78.65): V
 Ion 103.05 (102.75 to 103.75): V

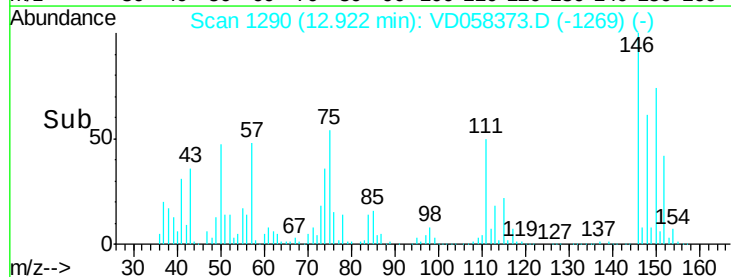
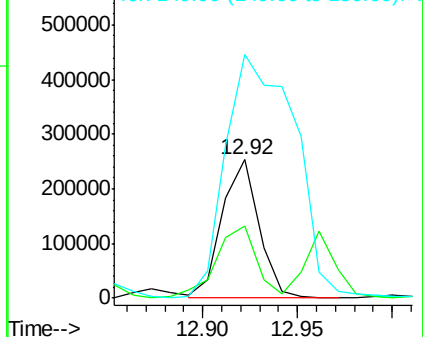


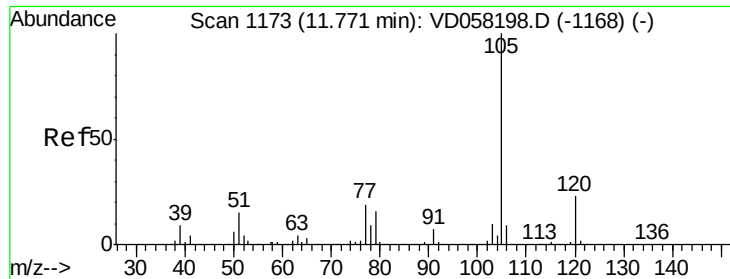
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Tgt Ion:152 Resp: 336782
 Ion Ratio Lower Upper
 152 100
 115 52.3 25.1 75.3
 150 176.3 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

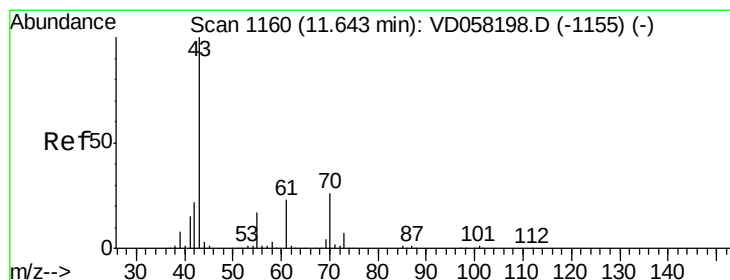
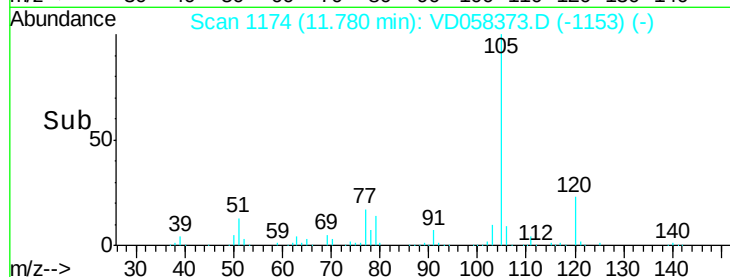
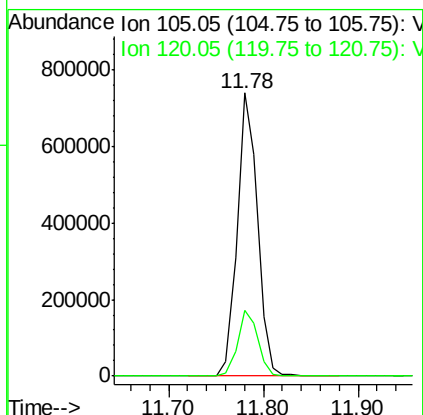
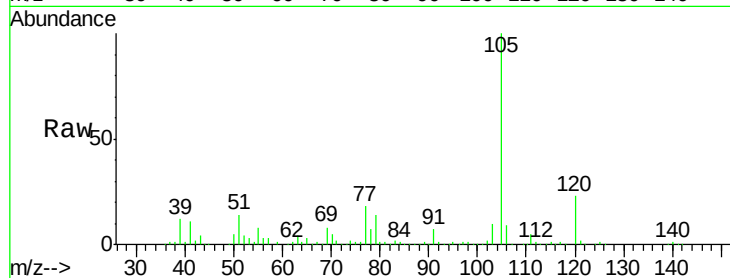




#73
Isopropylbenzene
Concen: 54.446 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

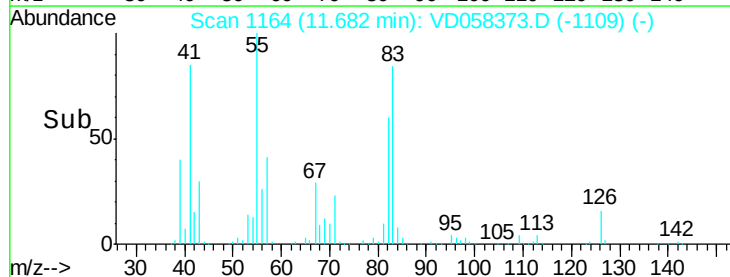
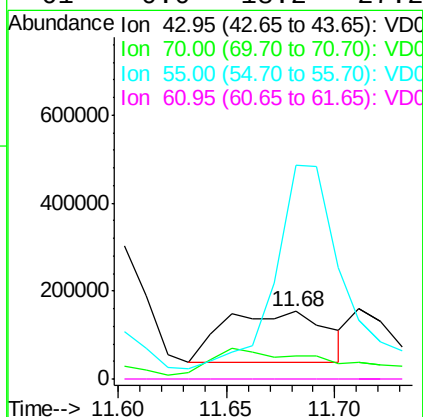
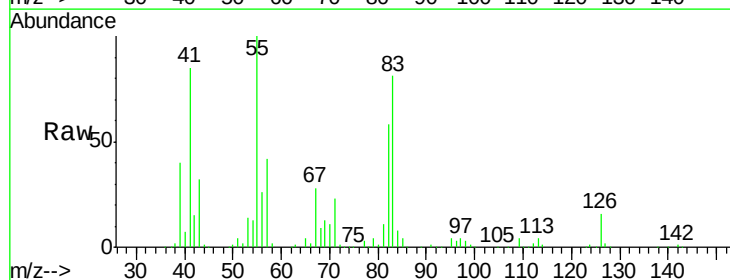
Instrument :
MSVOA_D
ClientSampleId :

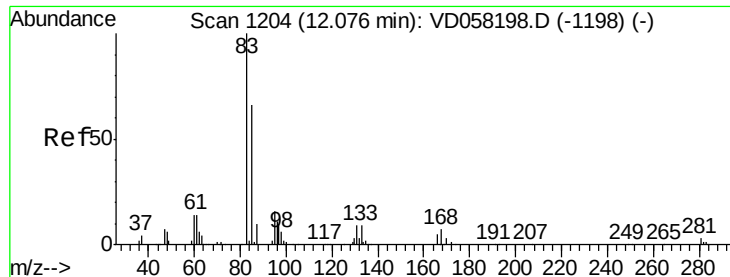
Tot Ion:105 Resp: 1096797
Ion Ratio Lower Upper
105 100
120 23.3 11.6 34.8



#74
N-ethyl acetate
Concen: 49.435 ug/l
RT: 11.68 min Scan# 1164
Delta R.T. 0.04 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion: 43 Resp: 385053
Ion Ratio Lower Upper
43 100
70 33.2 20.9 31.3#
55 315.5 13.5 20.3#
61 0.0 18.2 27.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 28.396 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

ClientSampled :

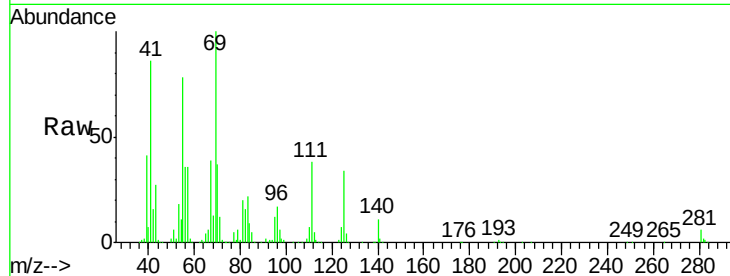
Tot Ion: 83 Resp: 133118

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

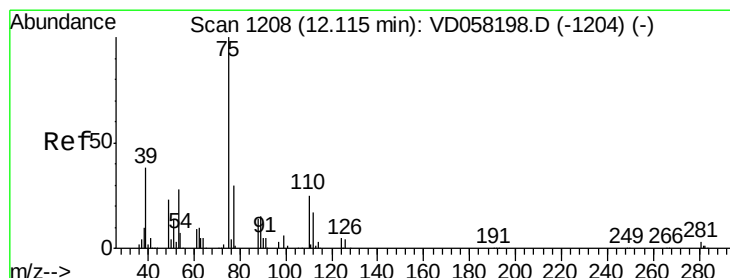
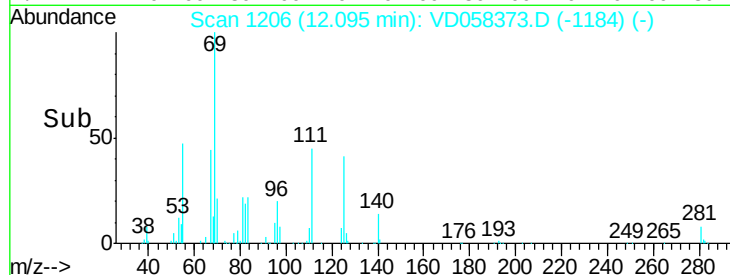
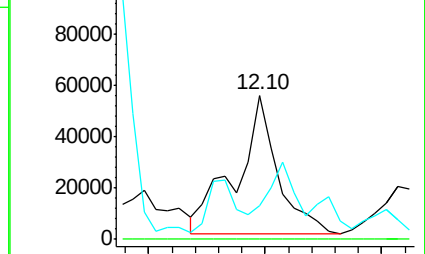
85 23.2 33.1 99.5#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 3.978 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.05 min

Lab File: VD058373.D

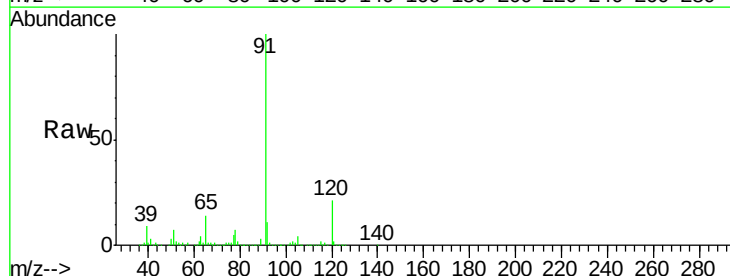
Acq: 24 Jun 2018 15:53

Tgt Ion: 75 Resp: 19561

Ion Ratio Lower Upper

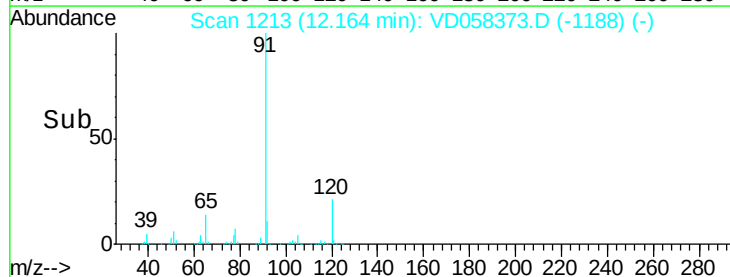
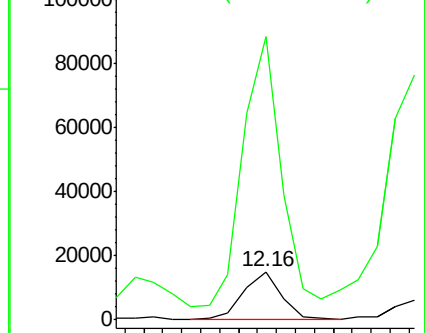
75 100

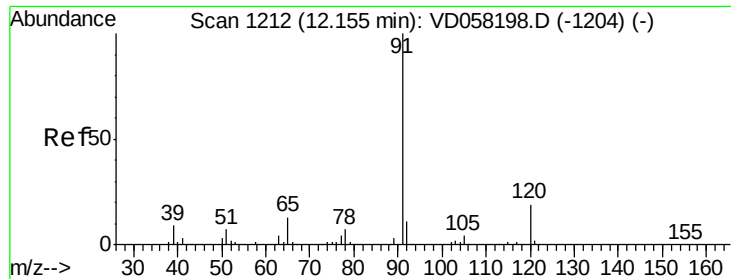
77 588.6 16.0 47.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#78

n-propylbenzene

Concen: 107.488 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

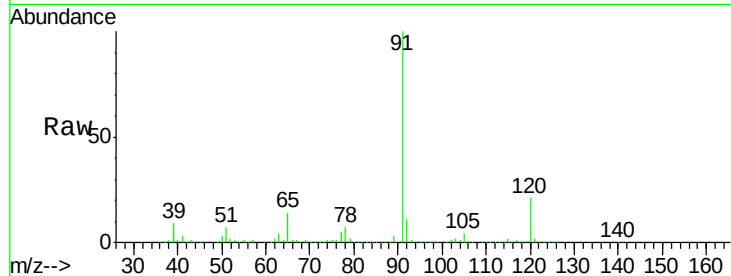
ClientSampleId :

Tot Ion: 91 Resp: 2796247

Ion Ratio Lower Upper

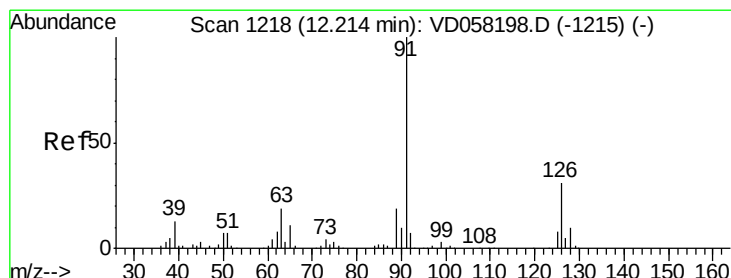
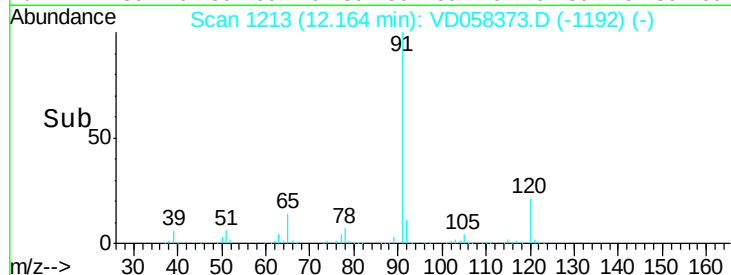
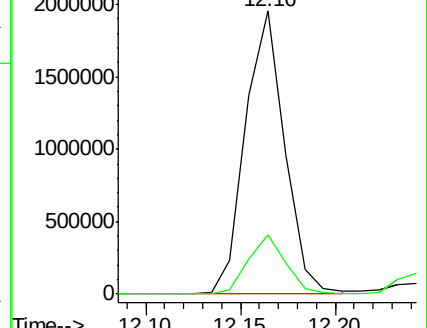
91 100

120 21.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 8.242 ug/l

RT: 12.24 min Scan# 1221

Delta R.T. 0.03 min

Lab File: VD058373.D

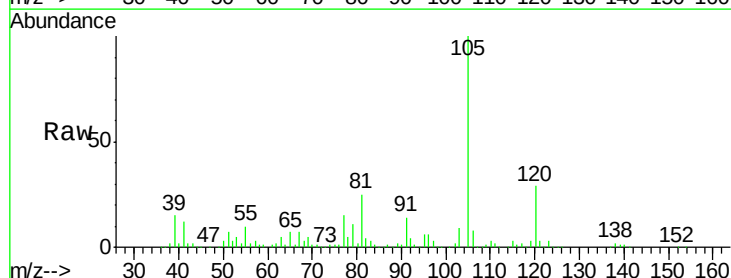
Acq: 24 Jun 2018 15:53

Tgt Ion: 91 Resp: 122689

Ion Ratio Lower Upper

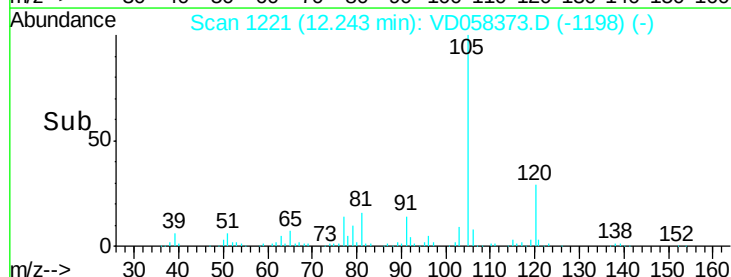
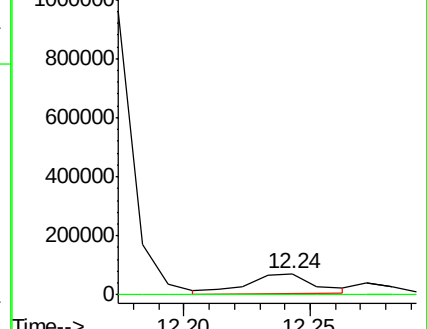
91 100

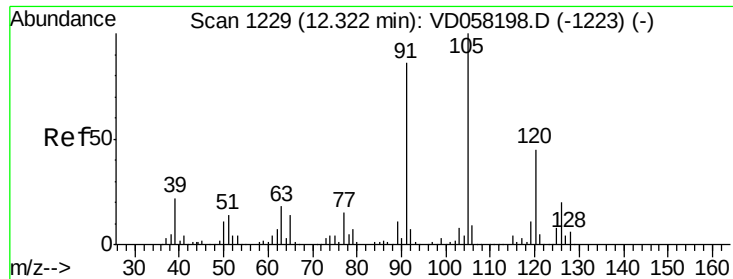
126 0.7 14.9 44.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

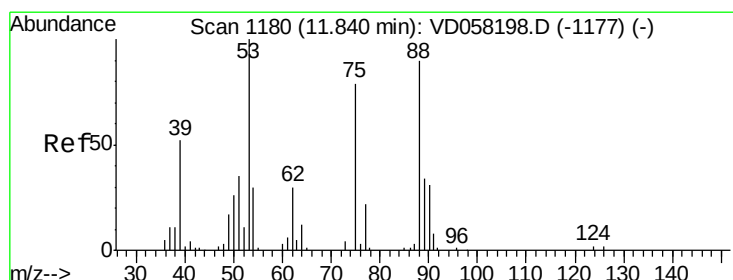
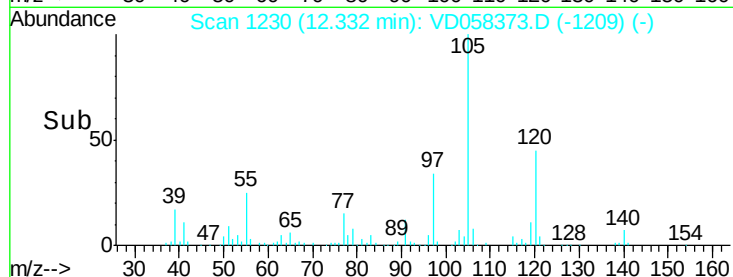
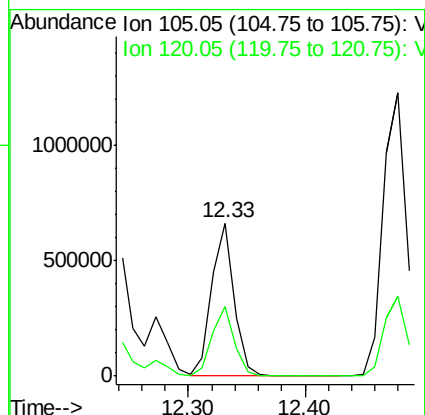
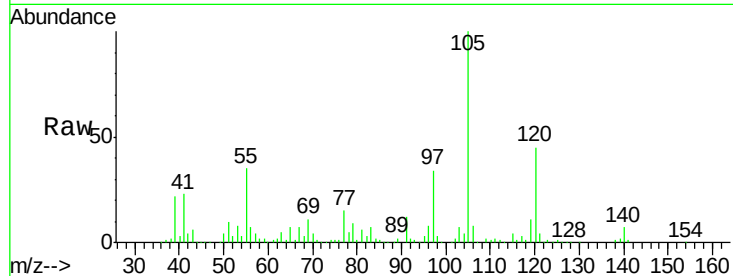




#80
 1,3,5-Trimethylbenzene
 Concen: 56.172 ug/l
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

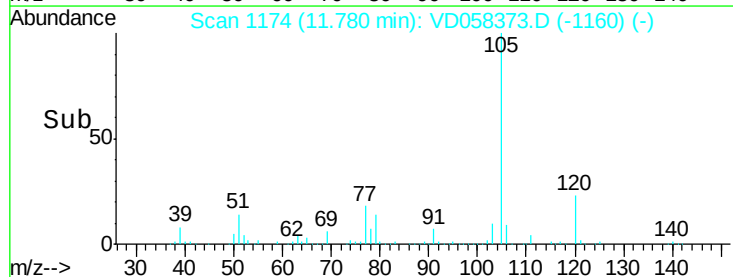
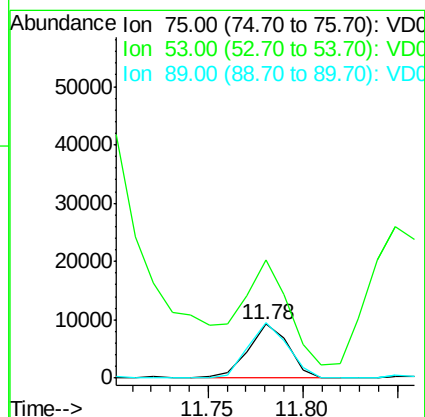
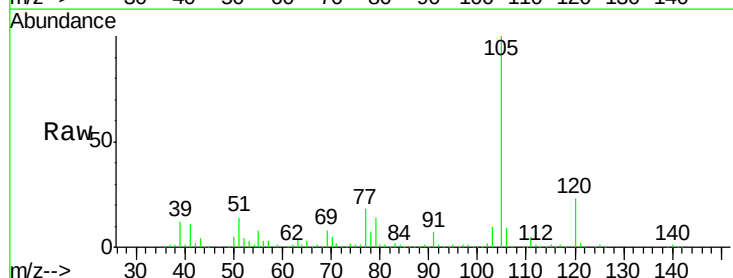
Instrument :
 MSVOA_D
 ClientSampled :

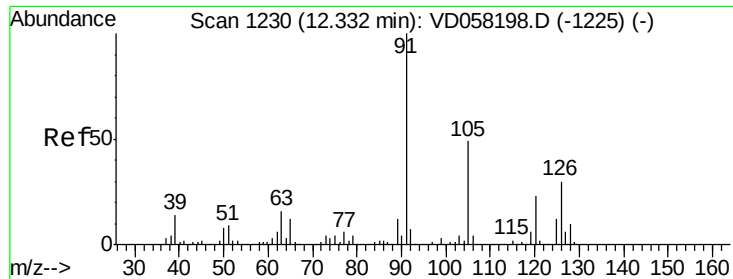
Tot Ion:105 Resp: 882586
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.5 67.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 11.442 ug/l
 RT: 11.78 min Scan# 1174
 Delta R.T. -0.06 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Tgt Ion: 75 Resp: 13722
 Ion Ratio Lower Upper
 75 100
 53 219.6 100.8 151.2#
 89 104.1 34.6 52.0#

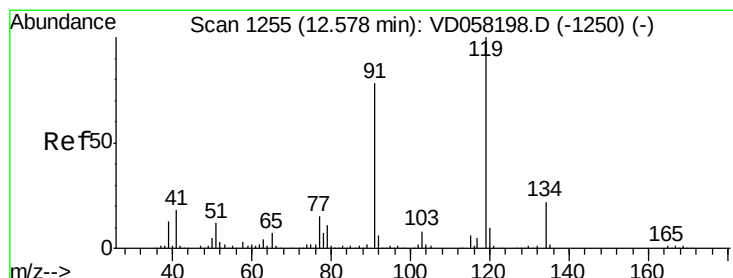
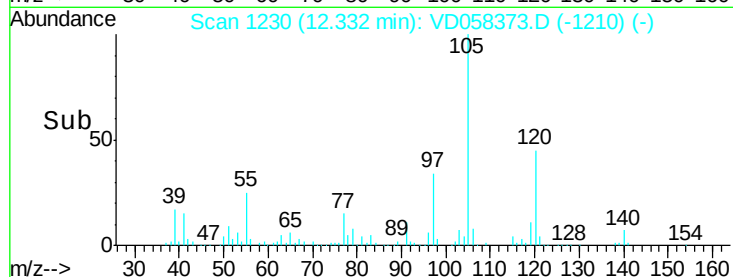
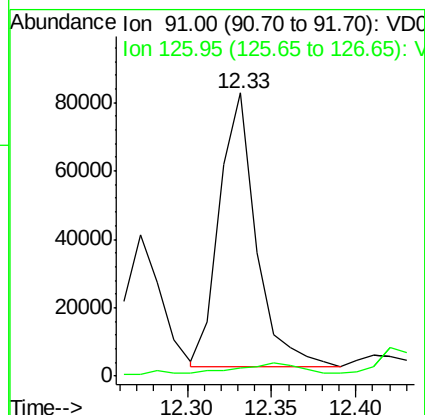
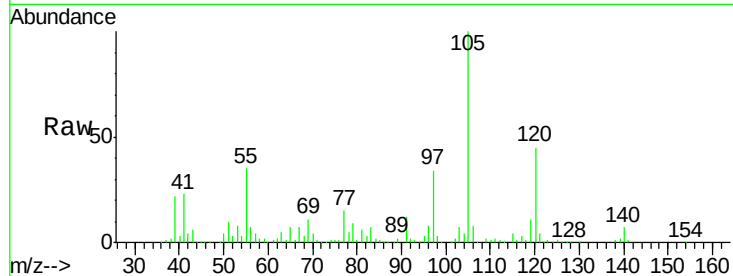




#82
4-Chlorotoluene
Concen: 3.186 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

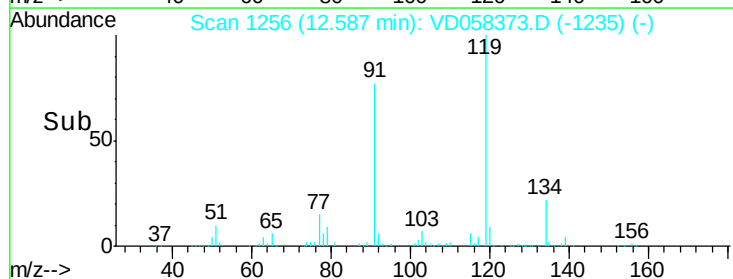
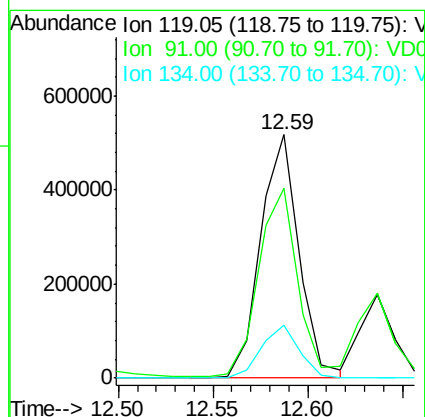
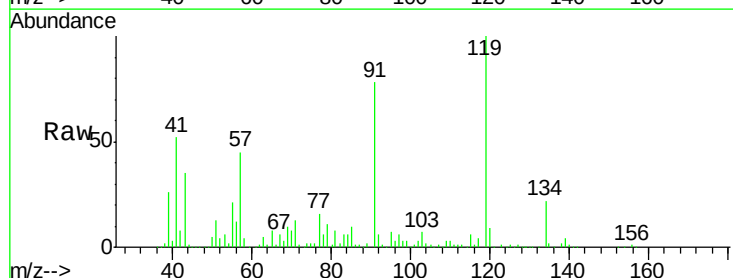
Instrument :
MSVOA_D
ClientSampleId :

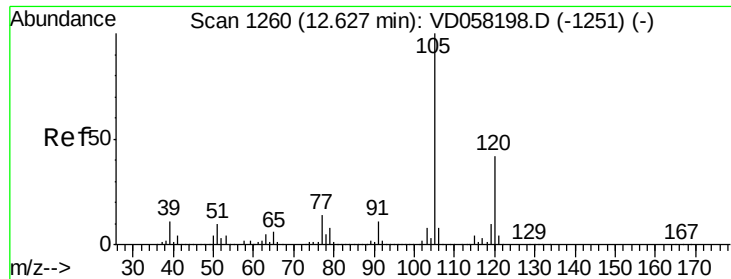
Tot Ion: 91 Resp: 120097
Ion Ratio Lower Upper
91 100
126 2.8 14.9 44.9#



#83
tert-Butylbenzene
Concen: 40.529 ug/l
RT: 12.59 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion: 119 Resp: 732124
Ion Ratio Lower Upper
119 100
91 78.2 38.9 116.6
134 21.6 11.2 33.5

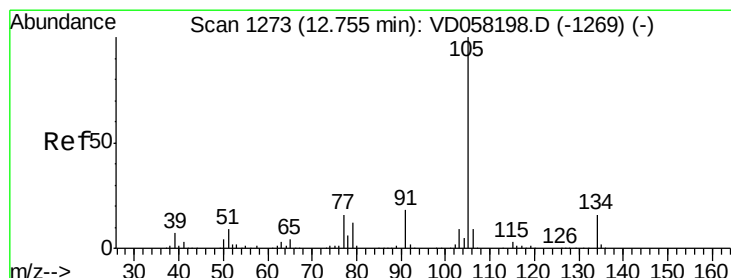
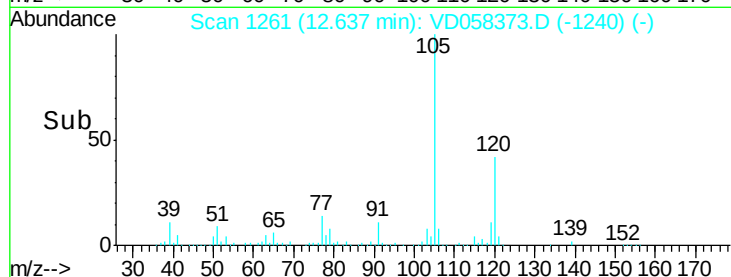
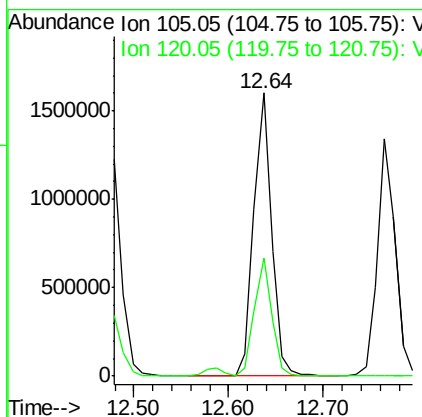
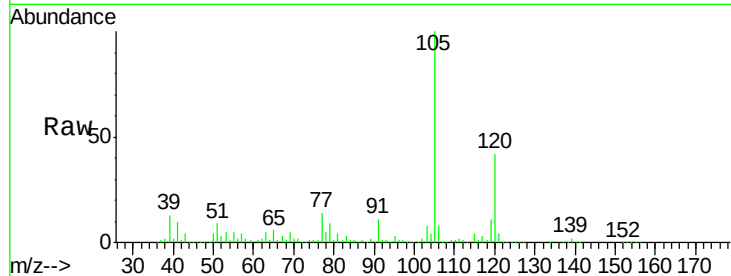




#84
 1,2,4-Trimethylbenzene
 Concen: 122.307 ug/l
 RT: 12.64 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

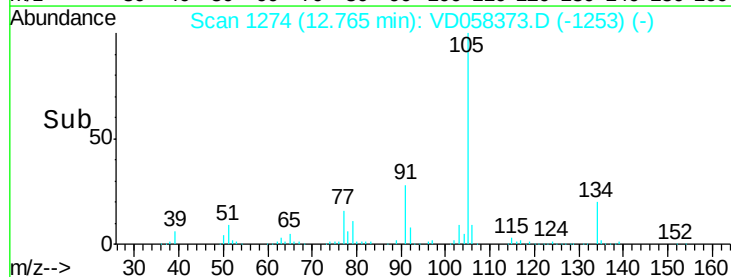
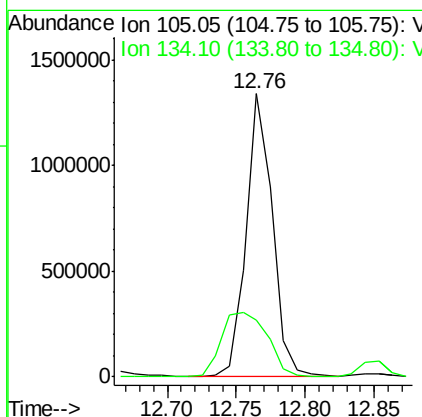
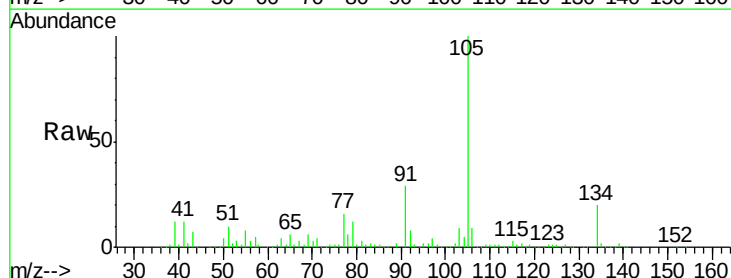
Instrument :
 MSVOA_D
 ClientSampleId :

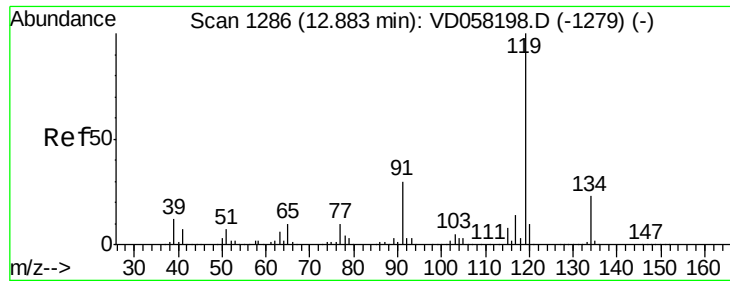
Tot Ion:105 Resp: 2088918
 Ion Ratio Lower Upper
 105 100
 120 41.7 20.8 62.4



#85
 sec-Butylbenzene
 Concen: 83.561 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Tgt Ion:105 Resp: 1769303
 Ion Ratio Lower Upper
 105 100
 134 20.0 8.1 24.3

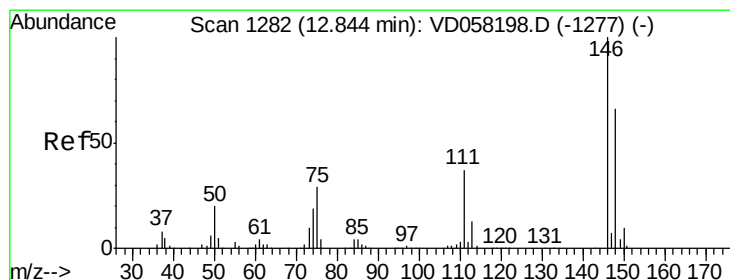
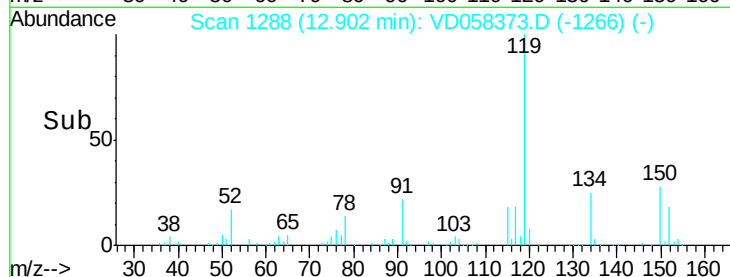
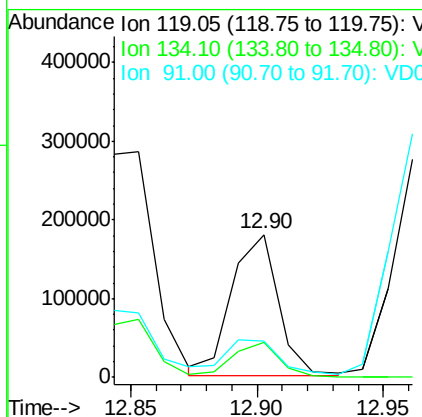
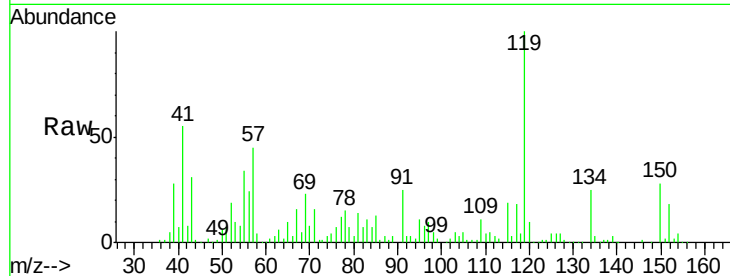




#86
 p-Isopropyltoluene
 Concen: 13.506 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. 0.02 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

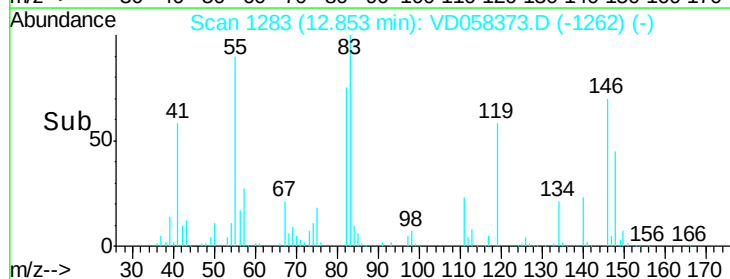
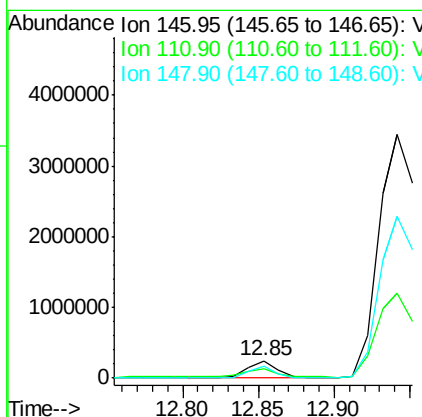
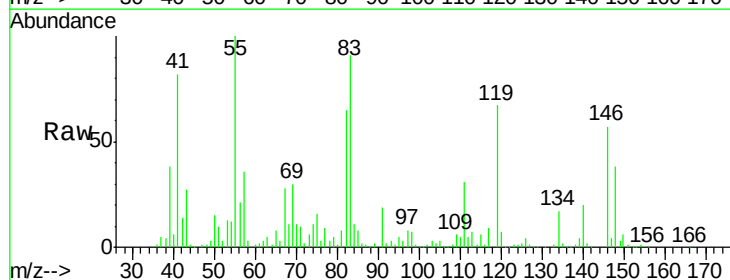
Instrument :
 MSVOA_D
 ClientSampled :

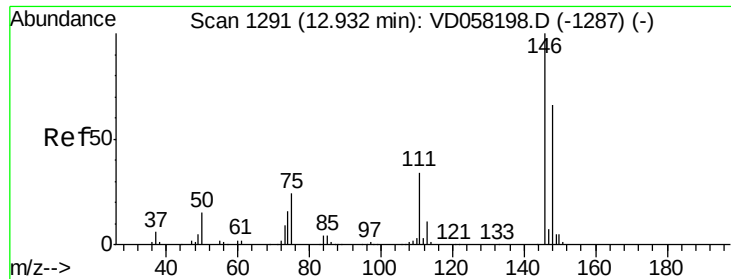
Tot Ion:119 Resp: 231736
 Ion Ratio Lower Upper
 119 100
 134 24.8 11.6 34.8
 91 25.2 15.0 45.1



#87
 1,3-Dichlorobenzene
 Concen: 31.807 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Tgt Ion:146 Resp: 333483
 Ion Ratio Lower Upper
 146 100
 111 54.0 18.4 55.0
 148 65.4 32.8 98.4

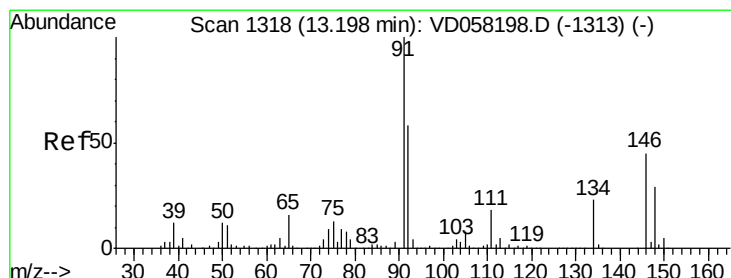
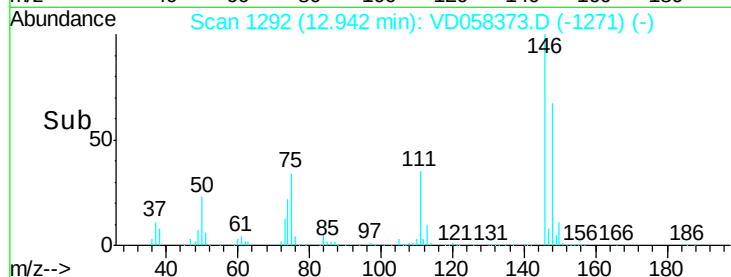
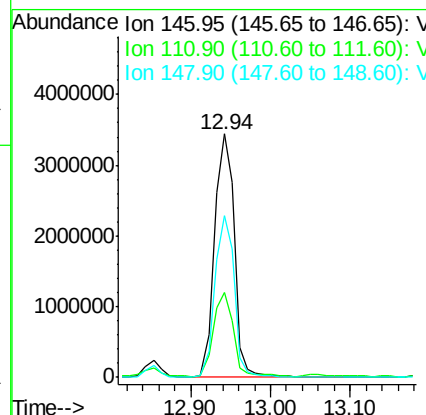
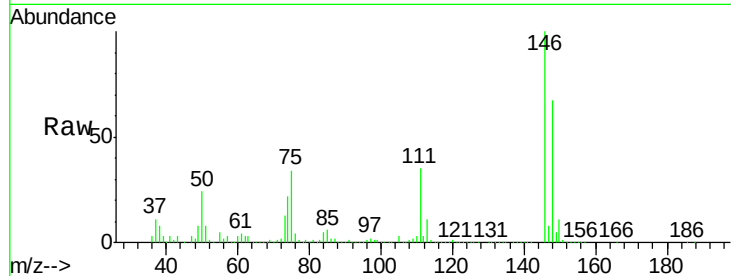




#88
 1,4-Dichlorobenzene
 Concen: 588.516 ug/l
 RT: 12.94 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

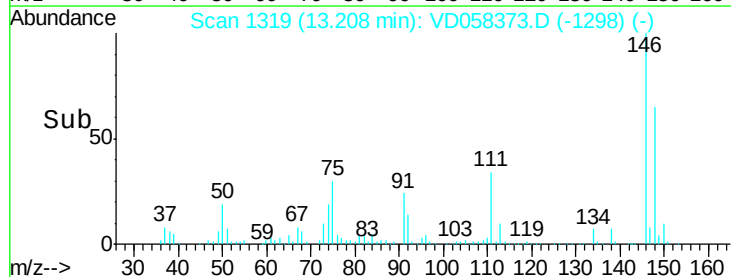
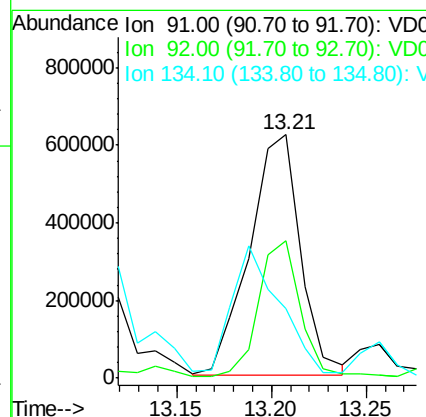
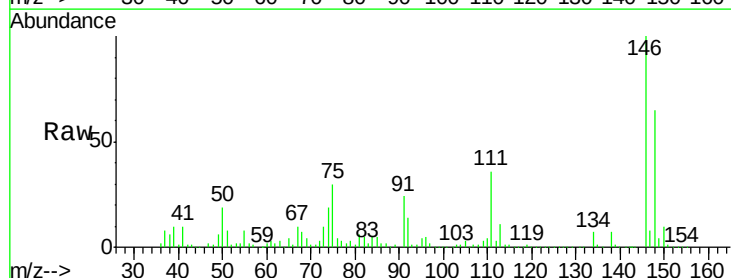
Instrument :
 MSVOA_D
 ClientSampled :

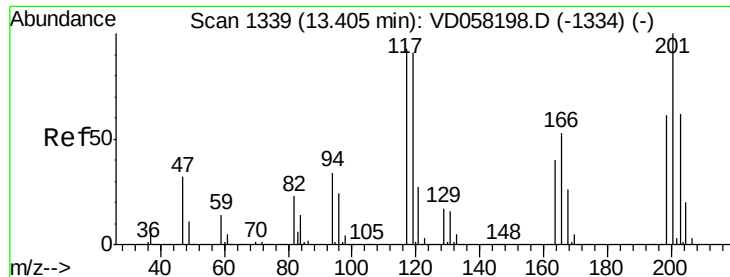
Tot Ion:146 Resp: 6025481
 Ion Ratio Lower Upper
 146 100
 111 35.1 17.2 51.5
 148 66.5 33.1 99.3



#89
 n-Butylbenzene
 Concen: 64.954 ug/l
 RT: 13.21 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD058373.D
 Acq: 24 Jun 2018 15:53

Tgt Ion: 91 Resp: 1171346
 Ion Ratio Lower Upper
 91 100
 92 56.4 29.2 87.6
 134 28.3 11.3 33.8





#90

Hexachloroethane

Concen: 24.232 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. -0.02 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

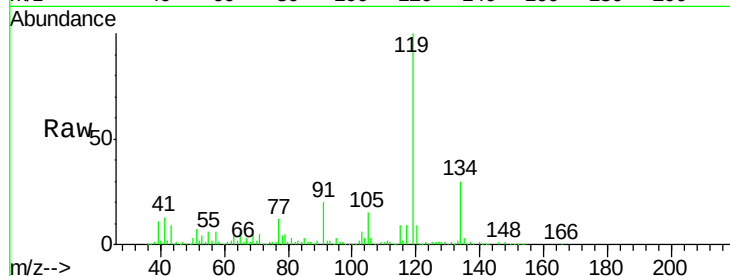
ClientSampleId :

Tot Ion:117 Resp: 107919

Ion Ratio Lower Upper

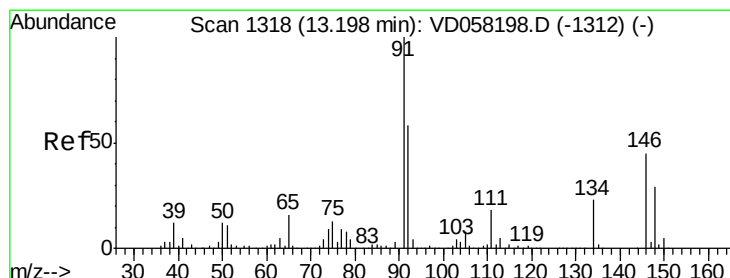
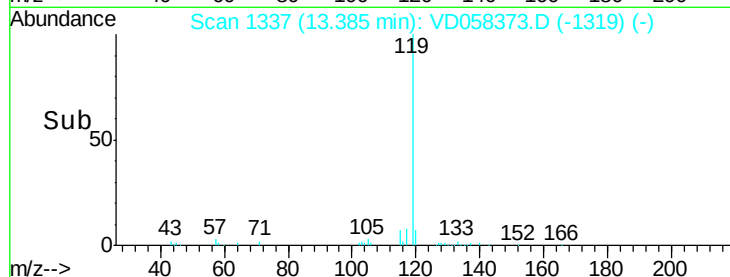
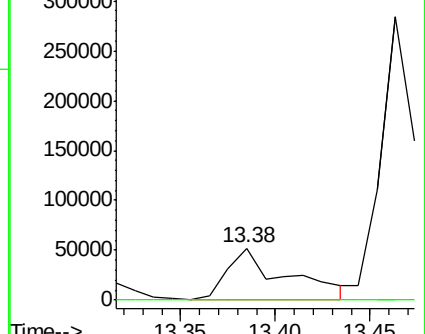
117 100

201 0.0 53.8 161.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 422.567 ug/l

RT: 13.21 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

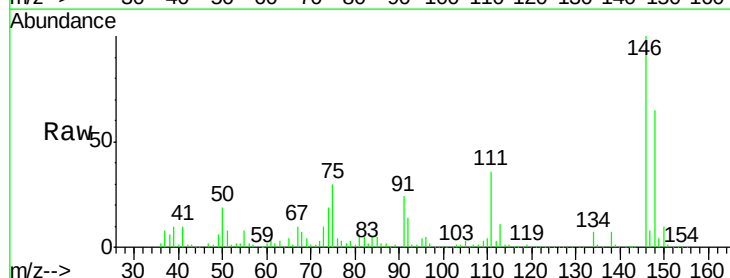
Tgt Ion:146 Resp: 3770291

Ion Ratio Lower Upper

146 100

111 35.5 19.6 58.7

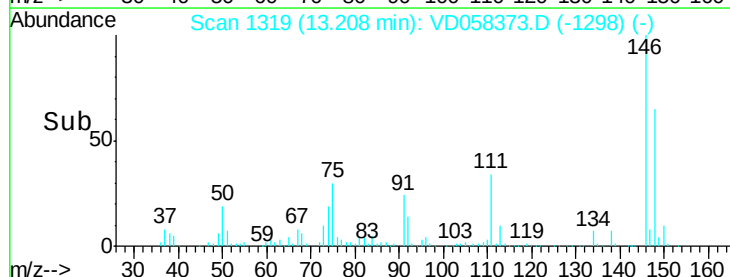
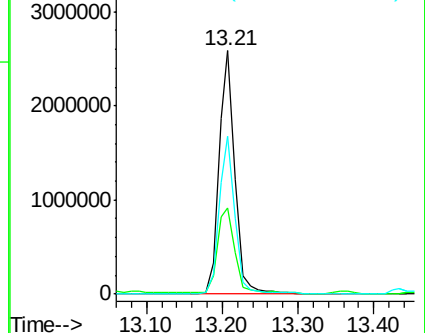
148 64.9 32.0 96.2

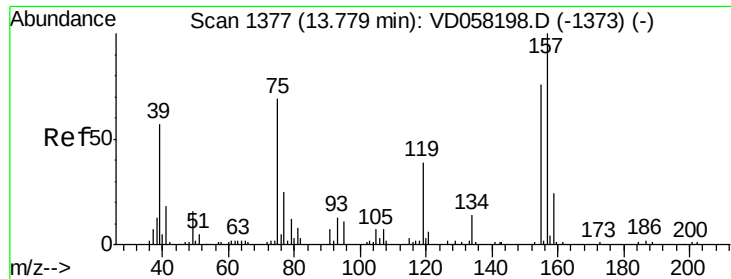


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 35.093 ug/l

RT: 13.75 min Scan# 1374

Delta R.T. -0.03 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

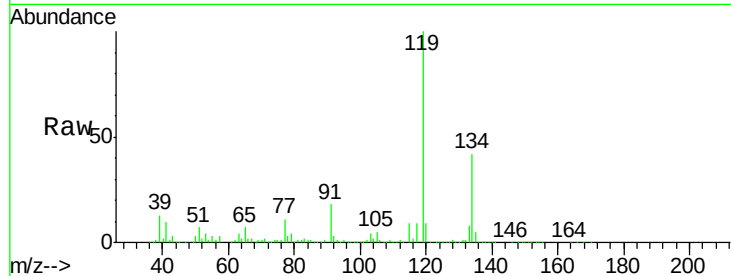
Tot Ion: 75 Resp: 26182

Ion Ratio Lower Upper

75 100

155 5.5 54.5 163.5#

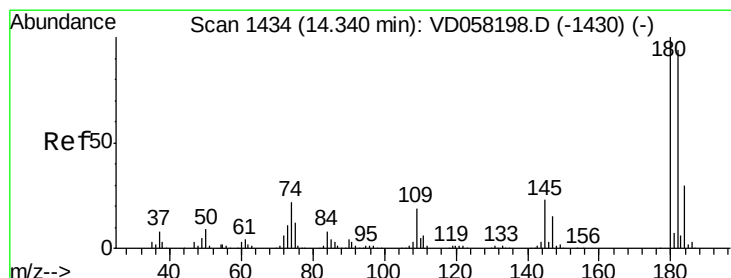
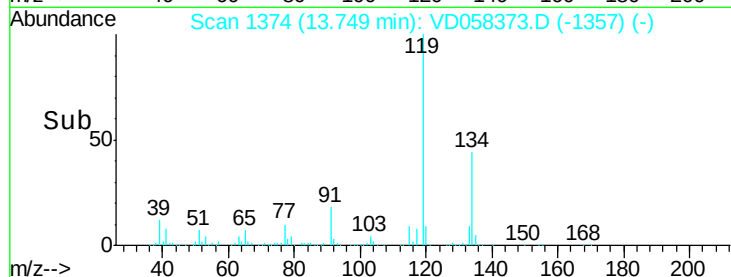
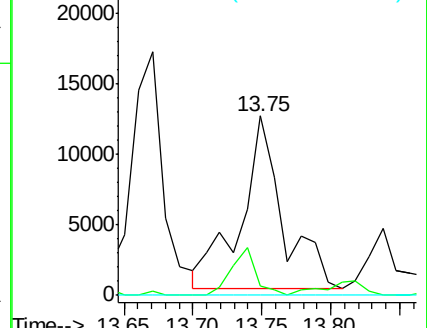
157 0.0 72.0 215.9#



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: 5.116 ug/l

RT: 14.35 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VD058373.D

Acq: 24 Jun 2018 15:53

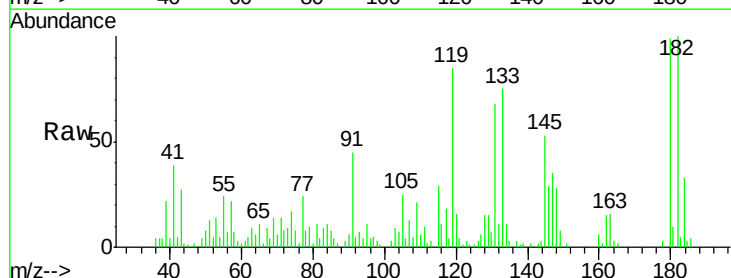
Tgt Ion:180 Resp: 43659

Ion Ratio Lower Upper

180 100

182 100.8 47.1 141.3

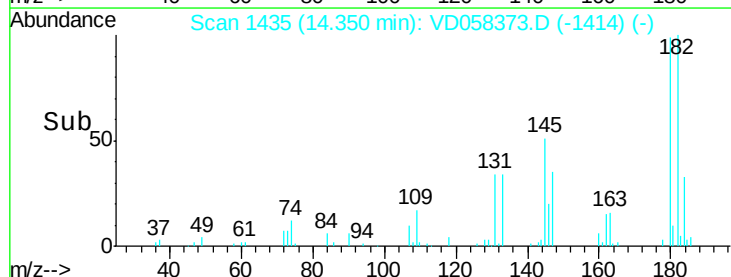
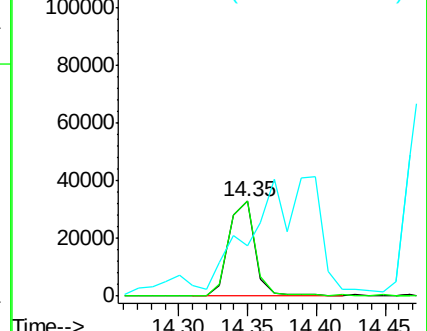
145 53.2 11.7 35.0#

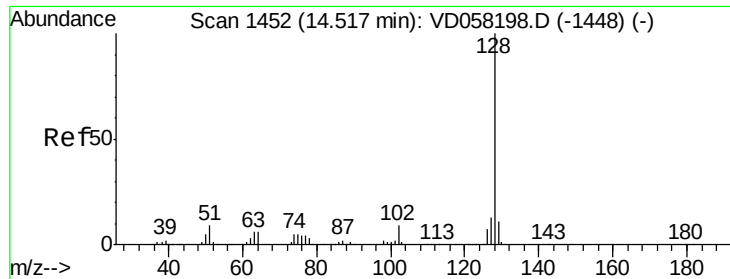


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

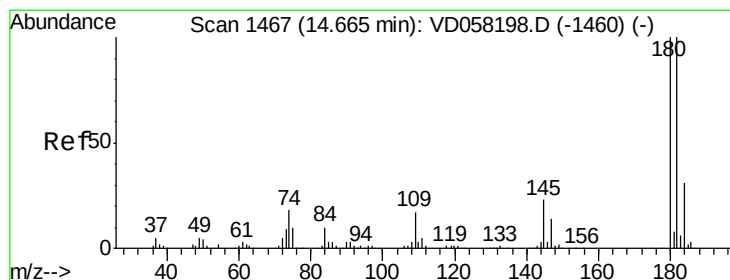
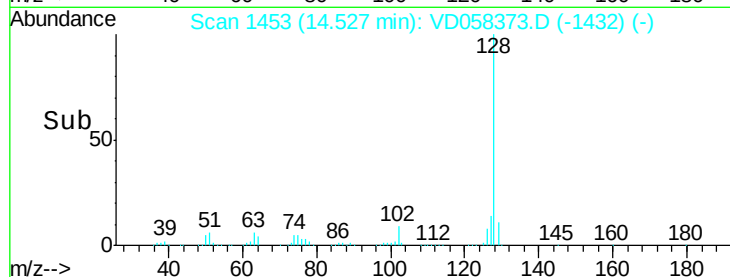
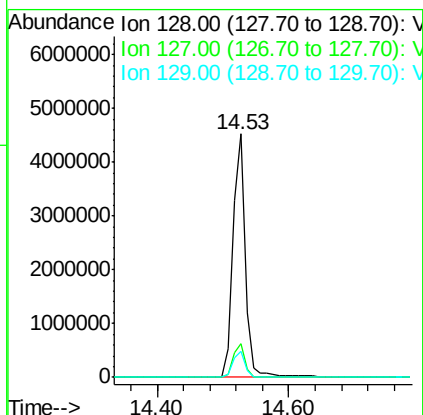
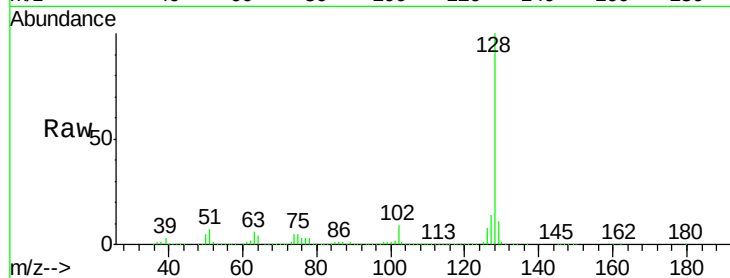




#95
Naphthalene
Concen: 533.922 ug/l
RT: 14.53 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 6001649
Ion Ratio Lower Upper
128 100
127 13.6 10.0 15.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.544 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD058373.D
Acq: 24 Jun 2018 15:53

Tgt Ion:180 Resp: 11536
Ion Ratio Lower Upper
180 100
182 107.1 49.9 149.6
145 162.1 11.7 35.1#

