

Data File : VD058197.D
Acq On : 19 Jun 2018 16:31
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Quant Time: Jun 20 05:02:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:00:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	879436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1155171	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	939525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	515046	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	180154	20.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.12%	
35) Dibromofluoromethane	5.54	113	189016	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	
50) Toluene-d8	8.71	98	480252	21.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.70%	
62) 4-Bromofluorobenzene	11.93	95	191504	20.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	219047	19.352	ug/l	98
3) Chloromethane	1.47	50	98778	17.688	ug/l #	89
4) Vinyl Chloride	1.54	62	98949	18.138	ug/l	99
5) Bromomethane	1.78	94	29613	14.343	ug/l	99
6) Chloroethane	1.87	64	27625	13.162	ug/l	92
7) Trichlorofluoromethane	2.06	101	131526	17.814	ug/l	96
8) Diethyl Ether	2.33	74	29420	20.916	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.54	101	87654	19.698	ug/l	96
10) Methyl Iodide	2.67	142	96429	16.904	ug/l	99
11) Tert butyl alcohol	3.27	59	31061	128.646	ug/l #	84
12) 1,1-Dichloroethene	2.54	96	63051	18.434	ug/l	91
13) Acrolein	2.46	56	23865	78.801	ug/l	93
14) Allyl chloride	2.91	41	147361	18.442	ug/l #	90
15) Acrylonitrile	3.34	53	85231	66.091	ug/l	89
16) Acetone	2.61	43	131604	103.773	ug/l #	90
17) Carbon Disulfide	2.74	76	219350	17.891	ug/l	98
18) Methyl Acetate	2.93	43	53029	21.101	ug/l	99
19) Methyl tert-butyl Ether	3.39	73	168271	11.781	ug/l	100
20) Methylene Chloride	3.06	84	79965	18.790	ug/l	96
21) trans-1,2-Dichloroethene	3.37	96	74269	10.538	ug/l	88
22) Diisopropyl ether	4.06	45	609561	19.441	ug/l	97
23) Vinyl Acetate	4.00	43	1710709	104.627	ug/l	99
24) 1,1-Dichloroethane	3.95	63	328774	19.052	ug/l	100
25) 2-Butanone	4.83	43	294438	103.458	ug/l	96
26) 2,2-Dichloropropane	4.79	77	266313	18.773	ug/l	96
27) cis-1,2-Dichloroethene	4.80	96	183693	20.167	ug/l	97
28) Bromochloromethane	5.14	49	146774	19.452	ug/l #	100
29) Tetrahydrofuran	5.18	42	153428	101.536	ug/l	99
30) Chloroform	5.31	83	347047	19.869	ug/l	100
31) Cyclohexane	5.58	56	275335	18.474	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	279840	19.135	ug/l	97
36) 1,1-Dichloropropene	5.74	75	245269	19.663	ug/l	96
37) Ethyl Acetate	4.92	43	141075	20.251	ug/l	98
38) Carbon Tetrachloride	5.72	117	234358	18.999	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	241871	19.710	ug/l	98
40) Benzene	6.01	78	589538	20.222	ug/l	98
41) Methacrylonitrile	5.12	41	65110	20.612	ug/l	89
42) 1,2-Dichloroethane	6.12	62	232131	19.634	ug/l	98
43) Isopropyl Acetate	7.62	43	190926	20.935	ug/l #	100
44) Trichloroethene	6.98	130	182003	21.364	ug/l	99
45) 1,2-Dichloropropane	7.34	63	157634	19.460	ug/l	95
46) Dibromomethane	7.46	93	112016	21.211	ug/l	96
47) Bromodichloromethane	7.74	83	250915	20.612	ug/l	95
48) Methyl methacrylate	7.50	41	111691	19.983	ug/l	94
49) 1,4-Dioxane	7.50	88	21313	445.677	ug/l	89
51) 4-Methyl-2-Pentanone	8.60	43	619422	105.779	ug/l	99
52) Toluene	8.80	92	346092	20.666	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	221453	20.903	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	259596	20.857	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	117209	21.224	ug/l	95
56) Ethyl methacrylate	9.31	69	138635	20.436	ug/l	98
57) 1,3-Dichloropropane	9.66	76	202834	21.180	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	360735	104.853	ug/l	100
59) 2-Hexanone	9.79	43	458701	107.432	ug/l	98
60) Dibromochloromethane	9.96	129	153303	19.804	ug/l	96
61) 1,2-Dibromoethane	10.10	107	130337	20.565	ug/l	98
64) Tetrachloroethene	9.52	164	160553	19.358	ug/l	89
65) Chlorobenzene	10.73	112	375165	20.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	145472	20.246	ug/l	98
67) Ethyl Benzene	10.86	91	666737	19.863	ug/l	99
68) m/p-Xylenes	11.01	106	447546	40.664	ug/l	100
69) o-Xylene	11.41	106	208968	19.332	ug/l	99
70) Styrene	11.44	104	355973	19.776	ug/l	96
71) Bromoform	11.60	173	112781	20.466	ug/l	96
73) Isopropylbenzene	11.77	105	636551	19.035	ug/l	99
74) N-amyl acetate	11.64	43	242156	18.480	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	141376	18.923	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	157725	20.286	ug/l	96
77) Bromobenzene	12.04	156	185250	18.653	ug/l	74
78) n-propylbenzene	12.15	91	808375	18.478	ug/l	100
79) 2-Chlorotoluene	12.21	91	477607	19.162	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	484666	18.415	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	37461	19.563	ug/l	93
82) 4-Chlorotoluene	12.32	91	529413	19.248	ug/l	94
83) tert-Butylbenzene	12.58	119	572176	19.327	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	538909	19.169	ug/l	97
85) sec-Butylbenzene	12.76	105	638915	17.864	ug/l	97
86) p-Isopropyltoluene	12.88	119	546784	19.095	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	328886	19.471	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	318744	19.263	ug/l	97
89) n-Butylbenzene	13.20	91	581030	19.496	ug/l	100
90) Hexachloroethane	13.40	117	133467	18.156	ug/l	92
91) 1,2-Dichlorobenzene	13.20	146	285215	20.543	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22682	19.634	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061918\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	268430	20.738	ug/l	98
94) Hexachlorobutadiene	14.44	225	202162	20.033	ug/l	98
95) Naphthalene	14.52	128	361340	21.275	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	227390	20.508	ug/l	98

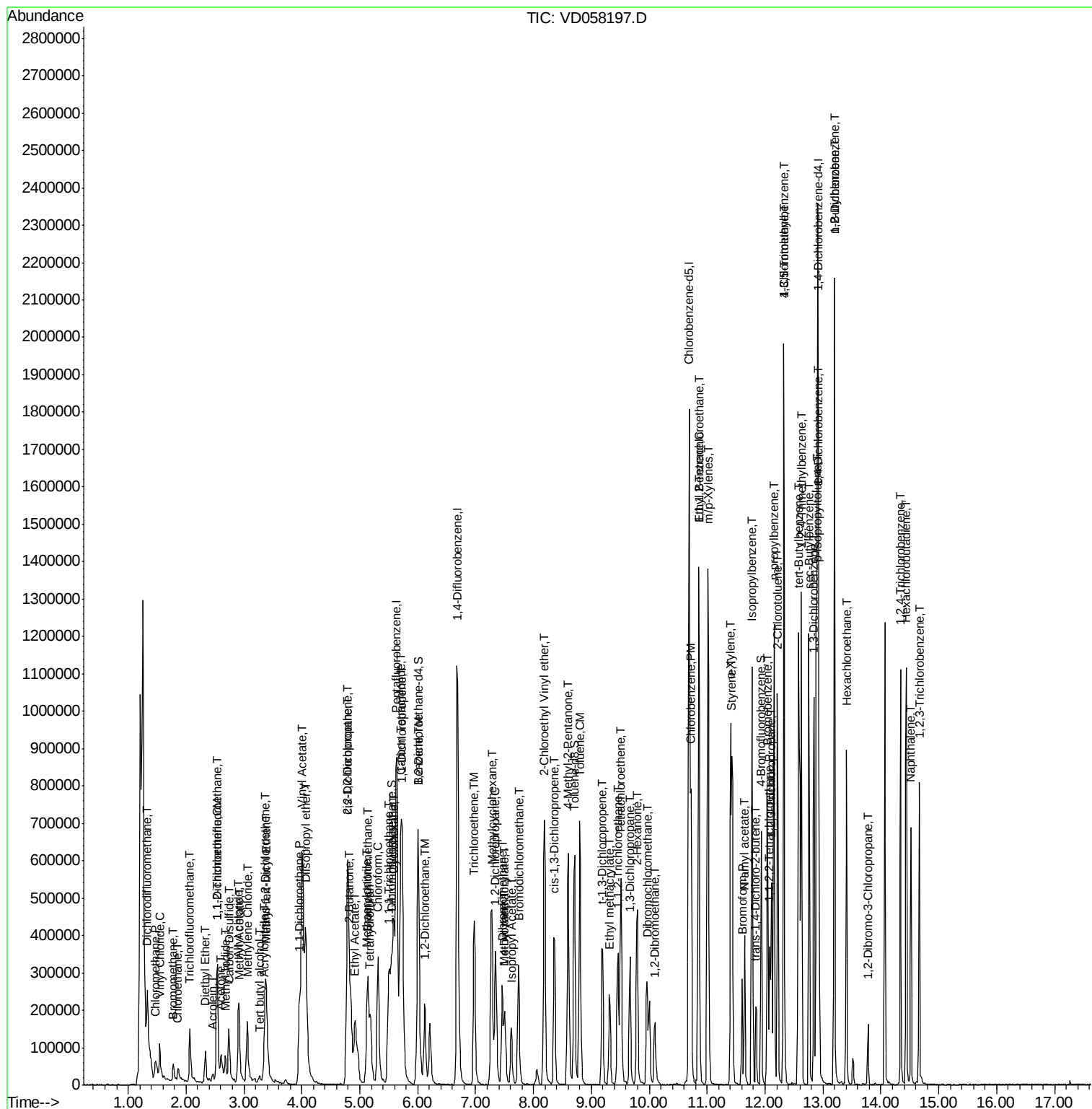
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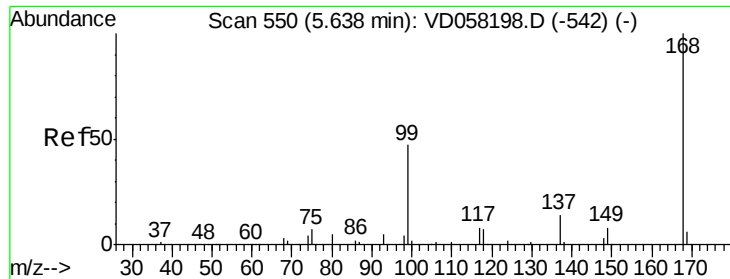
Data File : VD058197.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

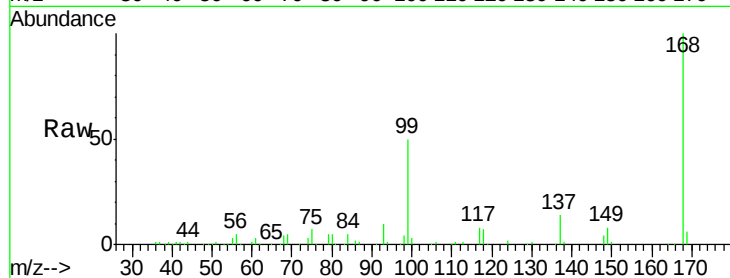
VSTDIC020

Tgt Ion:168 Resp: 879436

Ion Ratio Lower Upper

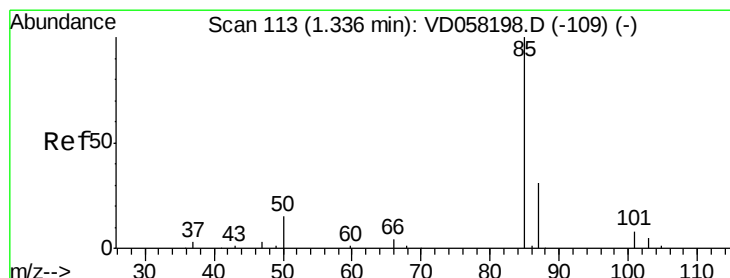
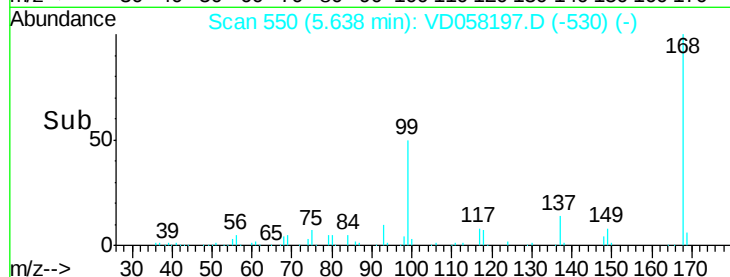
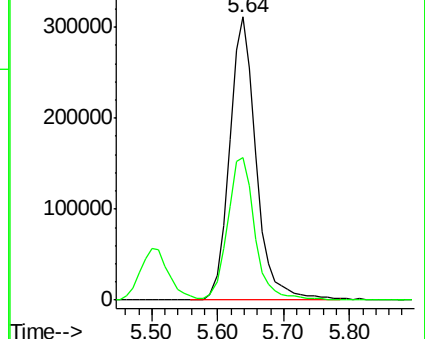
168 100

99 50.5 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: 19.352 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058197.D

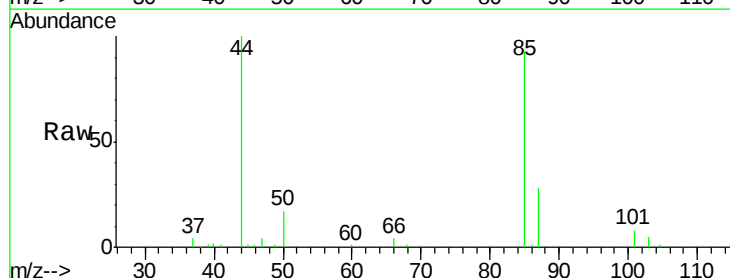
Acq: 19 Jun 2018 16:31

Tgt Ion: 85 Resp: 219047

Ion Ratio Lower Upper

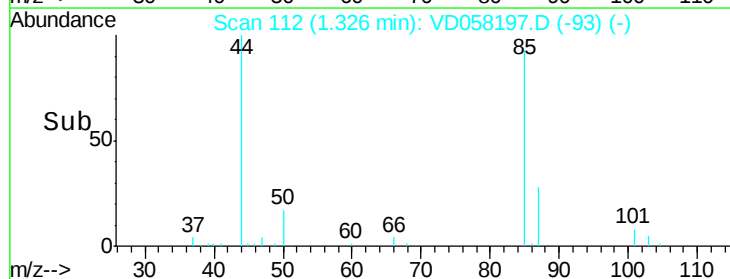
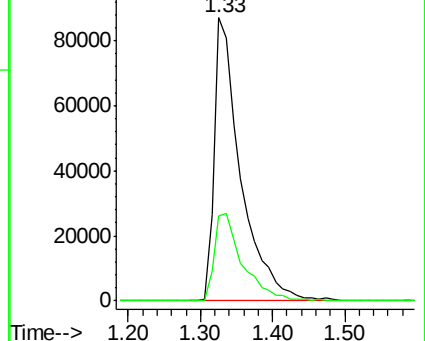
85 100

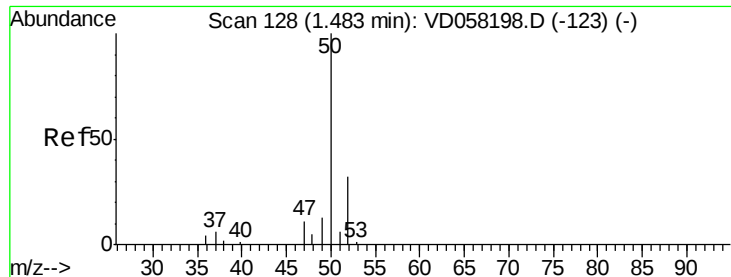
87 30.2 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.688 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

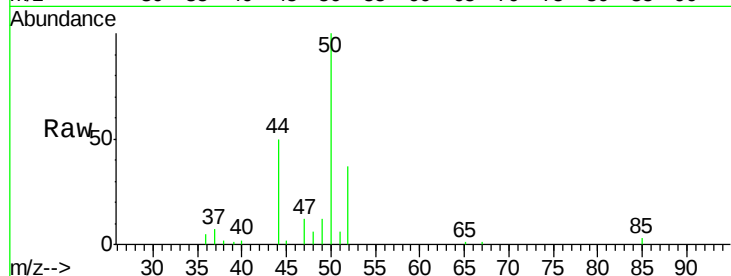
VSTDIC020

Tgt Ion: 50 Resp: 98778

Ion Ratio Lower Upper

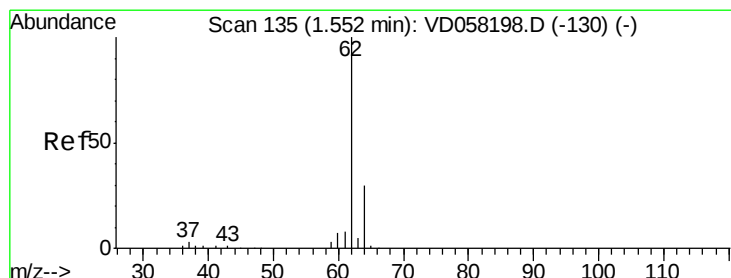
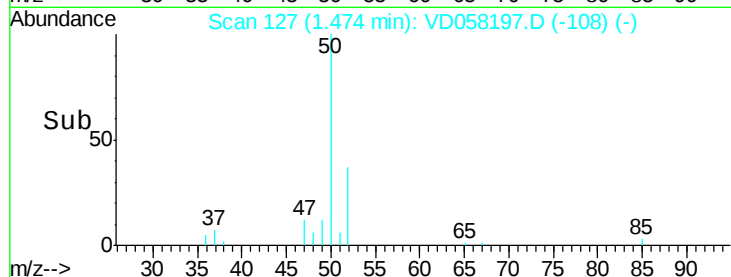
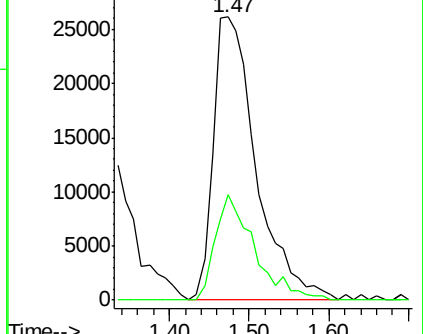
50 100

52 37.4 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: 18.138 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058197.D

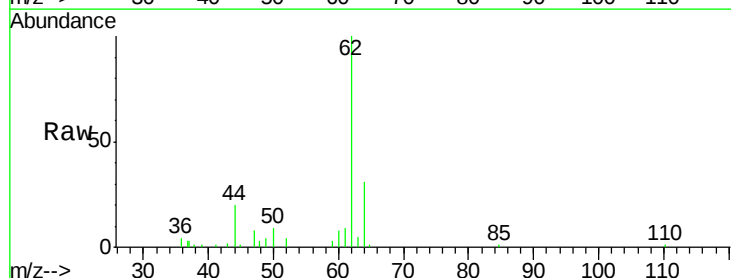
Acq: 19 Jun 2018 16:31

Tgt Ion: 62 Resp: 98949

Ion Ratio Lower Upper

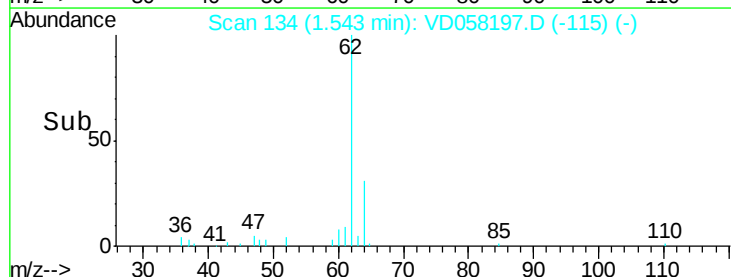
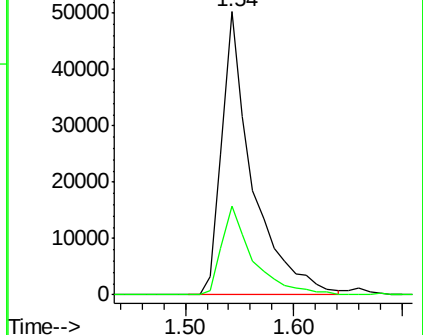
62 100

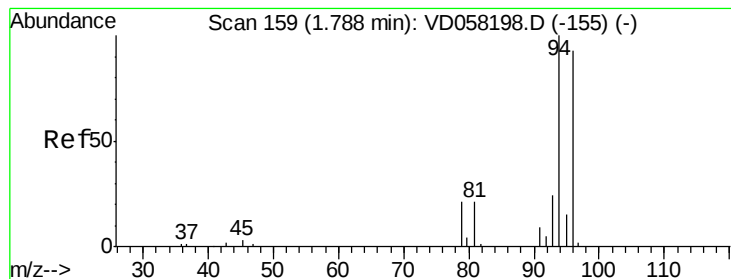
64 31.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.343 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

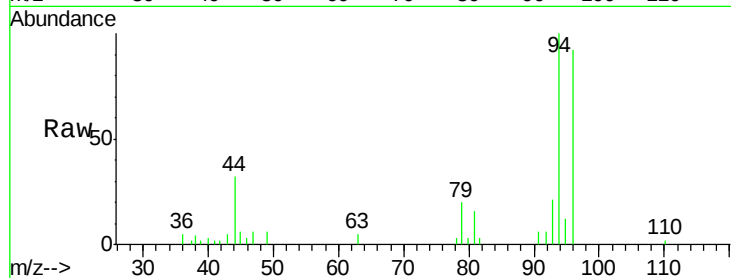
VSTDIC020

Tgt Ion: 94 Resp: 29613

Ion Ratio Lower Upper

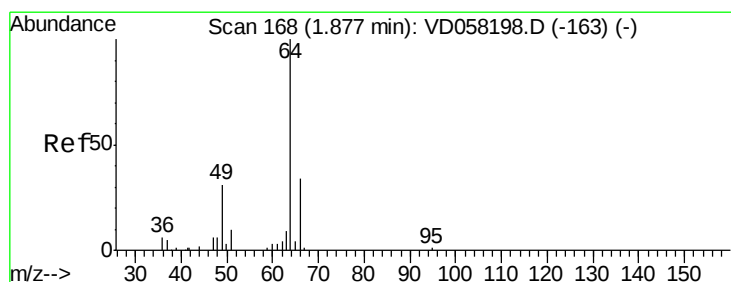
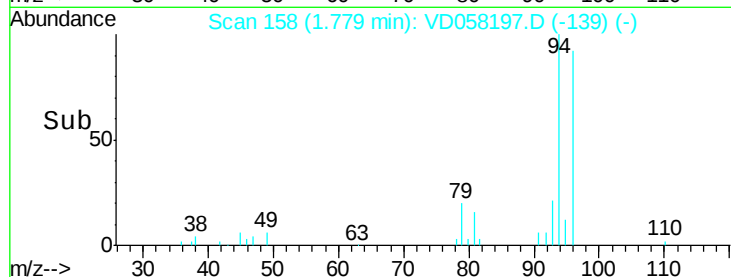
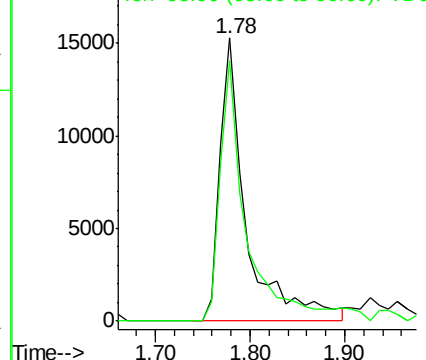
94 100

96 91.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 13.162 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058197.D

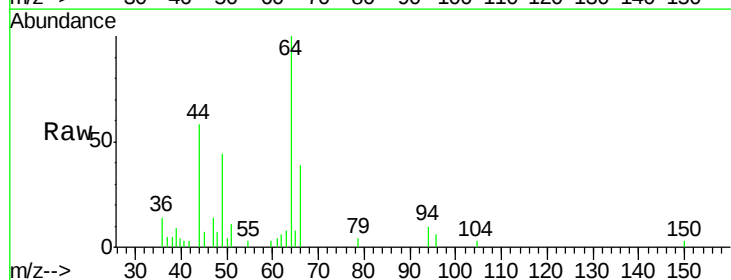
Acq: 19 Jun 2018 16:31

Tgt Ion: 64 Resp: 27625

Ion Ratio Lower Upper

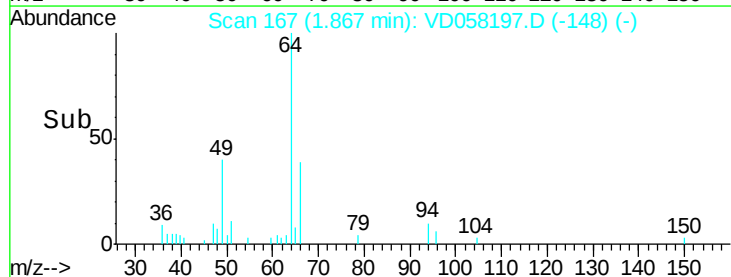
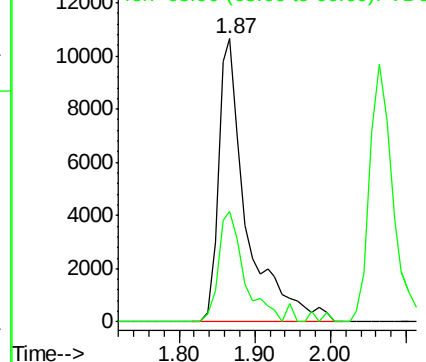
64 100

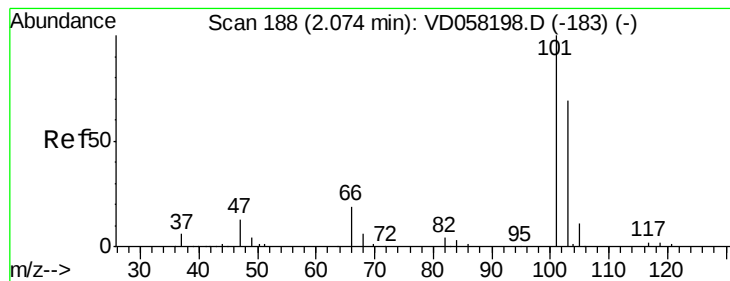
66 39.0 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



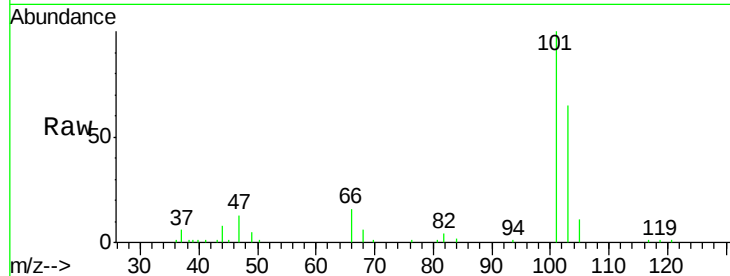


#7

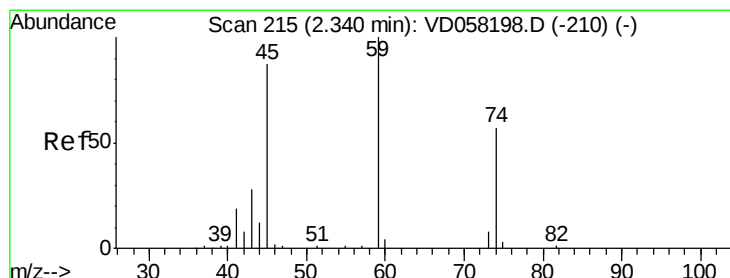
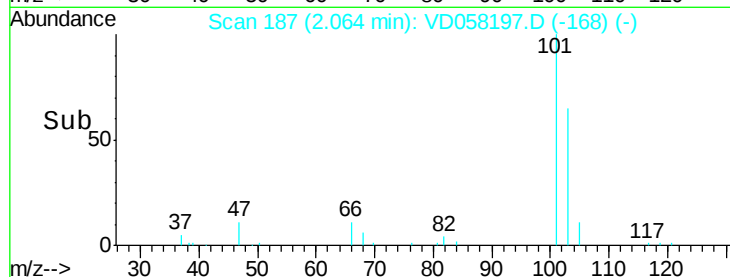
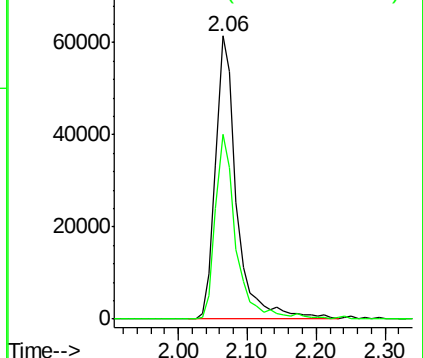
Trichlorofluoromethane
 Concen: 17.814 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

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Tgt Ion: 101 Resp: 131526
 Ion Ratio Lower Upper
 101 100
 103 65.4 55.1 82.7



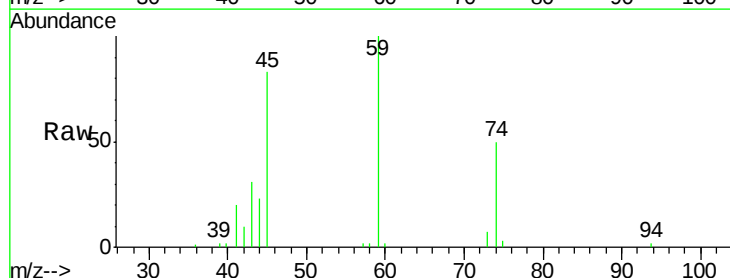
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



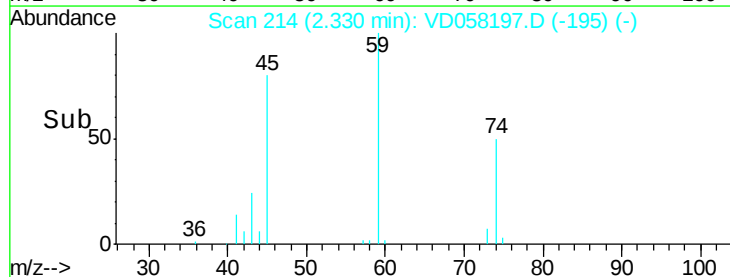
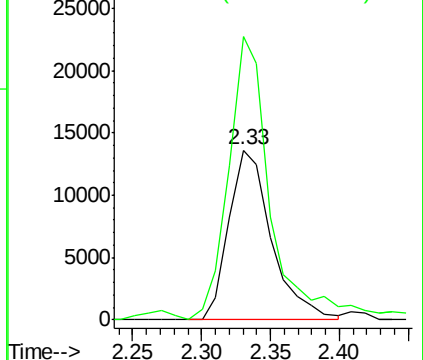
#8

Diethyl Ether
 Concen: 20.916 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion: 74 Resp: 29420
 Ion Ratio Lower Upper
 74 100
 45 167.0 77.5 232.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.698 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VD058197.D

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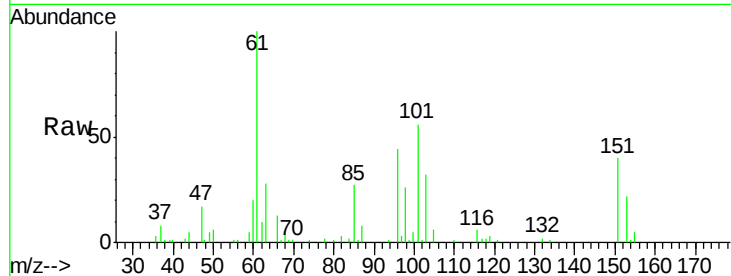
Tgt Ion:101 Resp: 87654

Ion Ratio Lower Upper

101 100

85 48.5 39.0 58.4

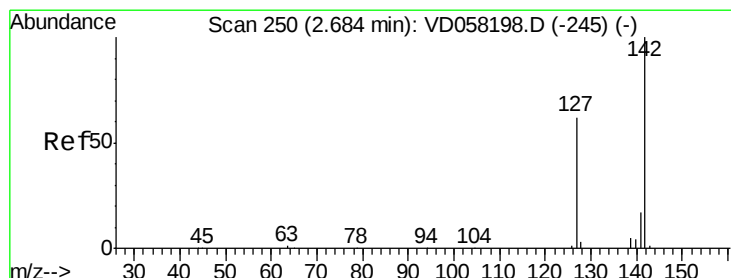
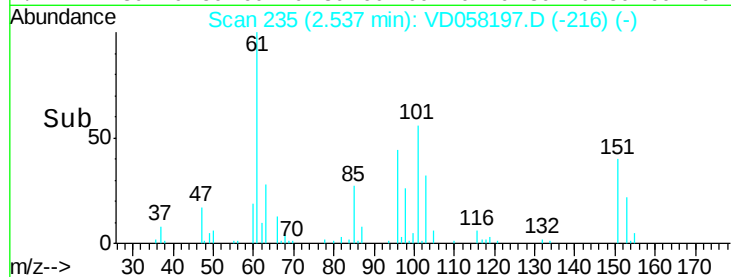
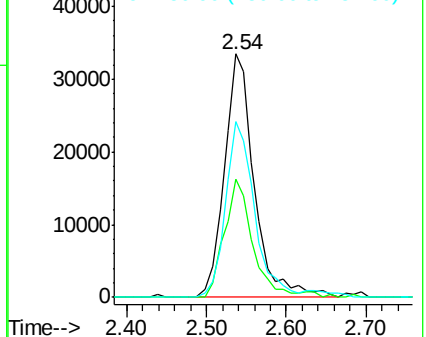
151 72.4 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.904 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

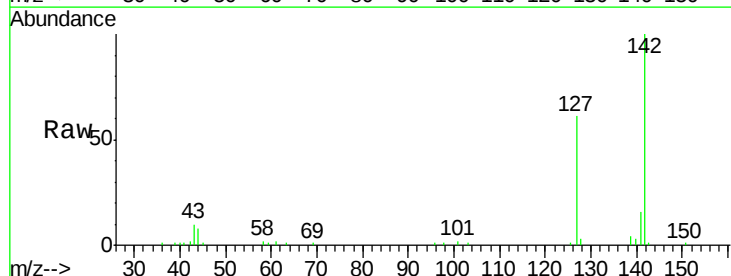
Tgt Ion:142 Resp: 96429

Ion Ratio Lower Upper

142 100

127 61.0 49.4 74.0

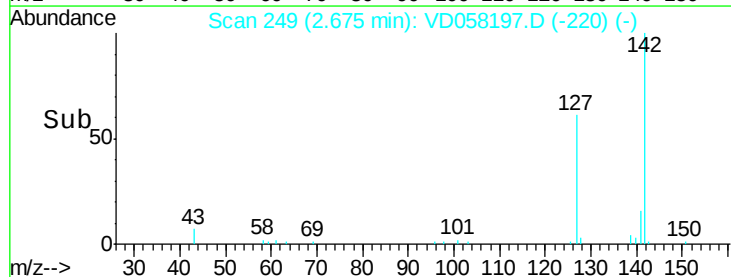
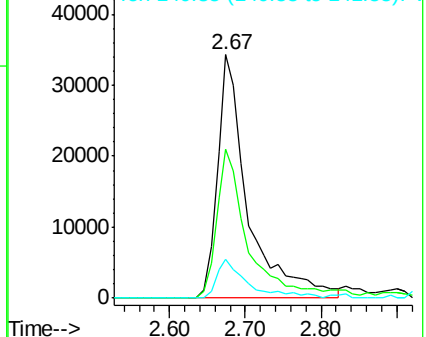
141 16.0 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

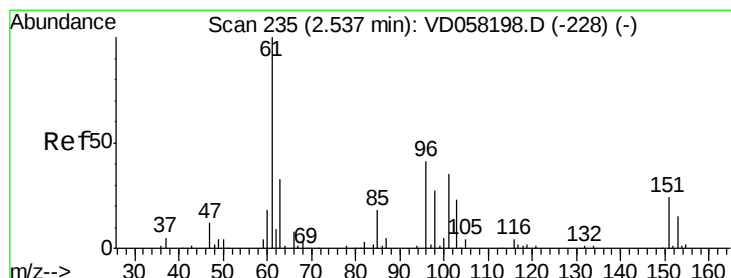
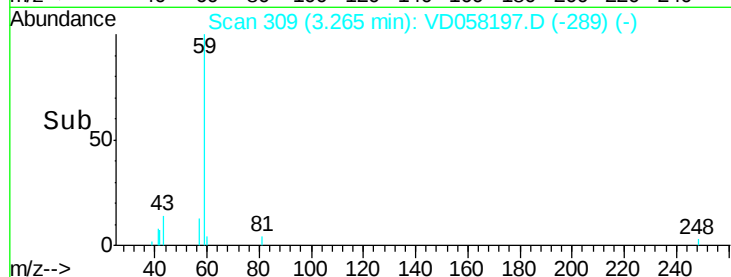
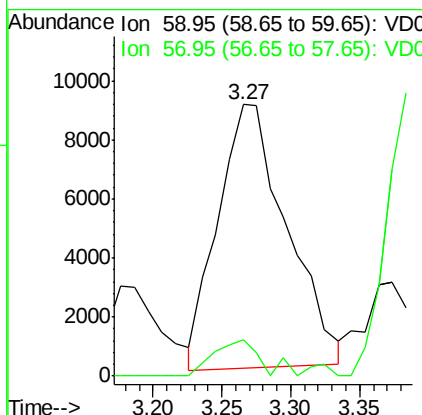
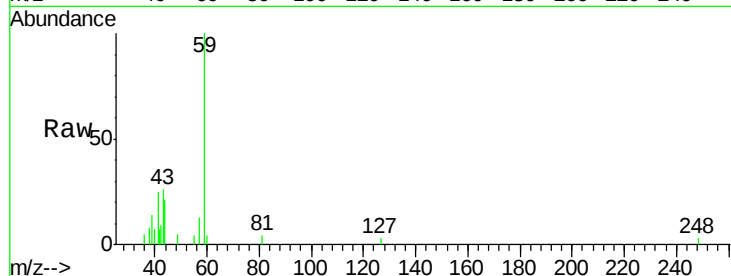




#11
Tert butyl alcohol
Concen: 128.646 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

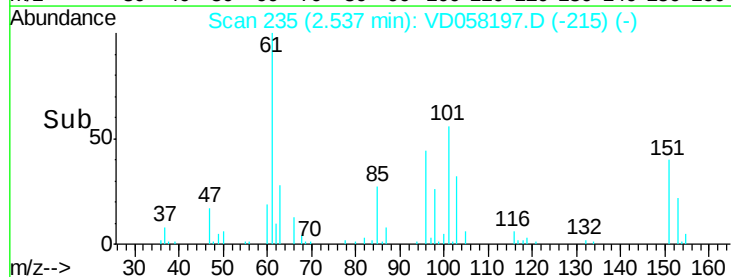
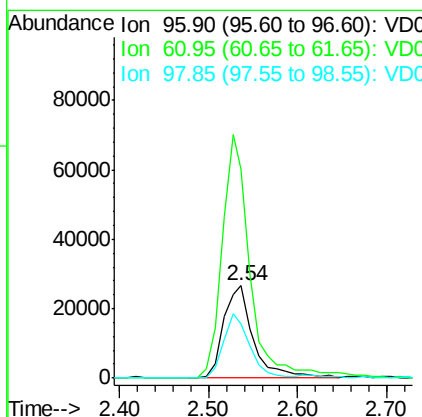
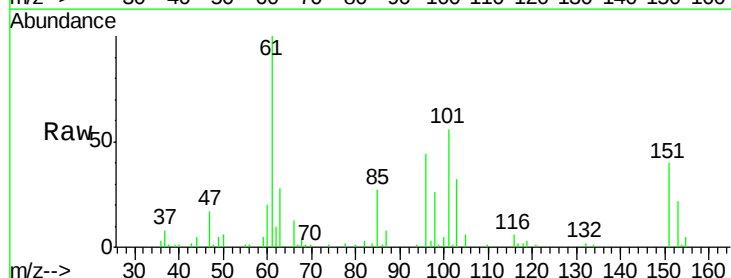
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

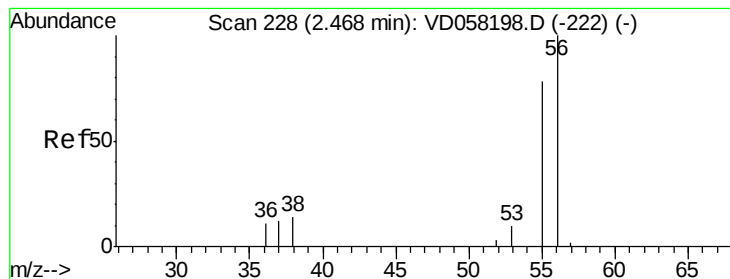
Tgt Ion: 59 Resp: 31061
Ion Ratio Lower Upper
59 100
57 13.4 6.2 9.4#



#12
1,1-Dichloroethene
Concen: 18.434 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 96 Resp: 63051
Ion Ratio Lower Upper
96 100
61 226.6 193.9 290.9
98 59.4 51.7 77.5





#13

Acrolein

Concen: 78.801 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

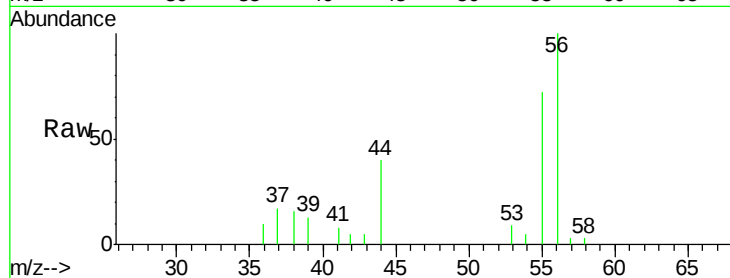
VSTDIC020

Tgt Ion: 56 Resp: 23865

Ion Ratio Lower Upper

56 100

55 71.9 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.46

10000

8000

6000

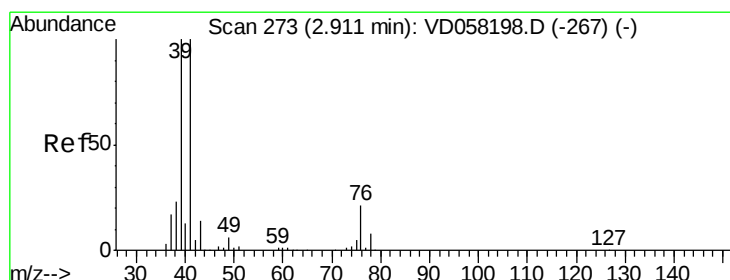
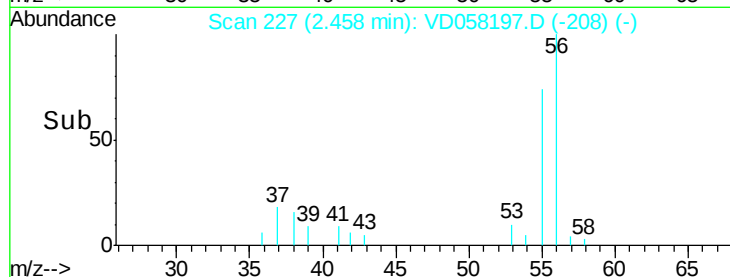
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 18.442 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

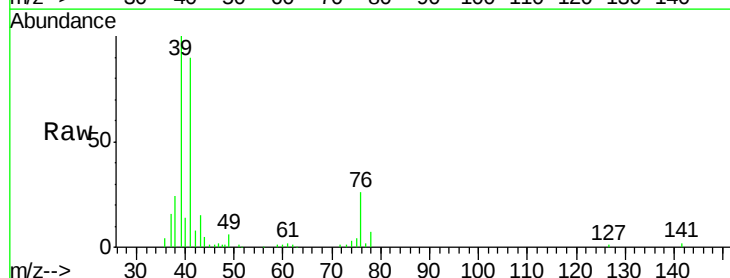
Tgt Ion: 41 Resp: 147361

Ion Ratio Lower Upper

41 100

39 110.6 80.1 120.1

76 29.2 19.4 29.2#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

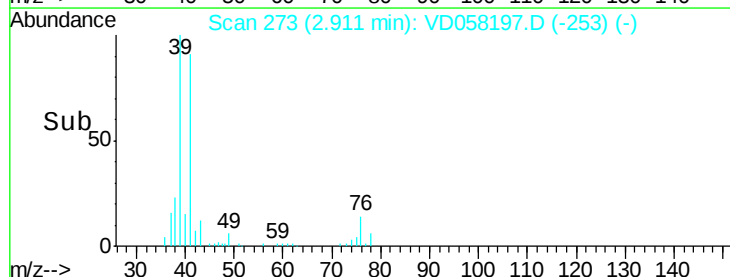
40000

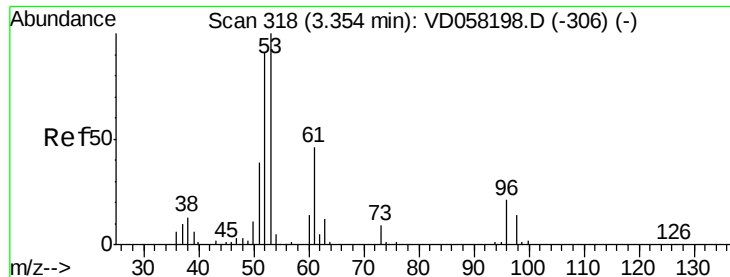
20000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 66.091 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

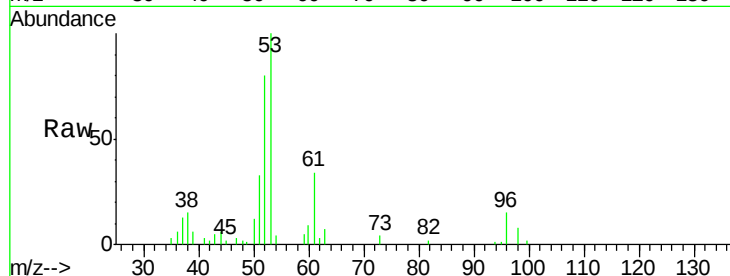
Tgt Ion: 53 Resp: 85231

Ion Ratio Lower Upper

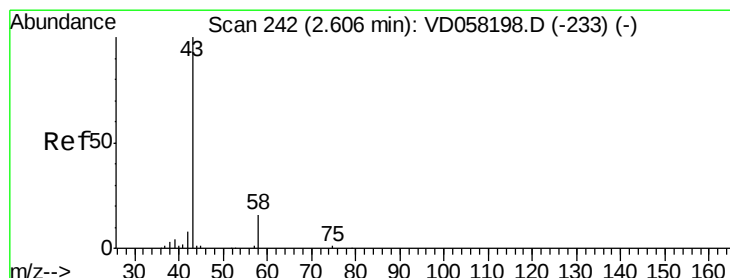
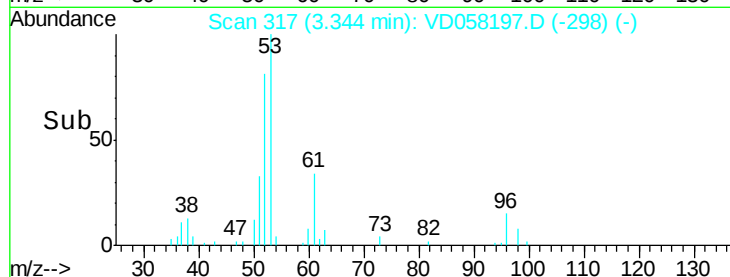
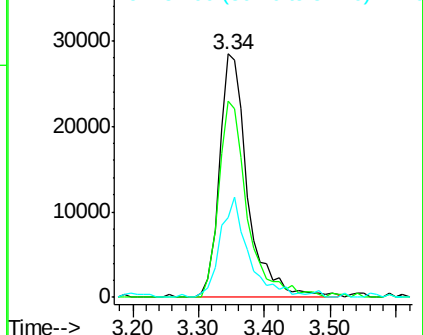
53 100

52 80.4 72.6 108.8

51 32.8 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: 103.773 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058197.D

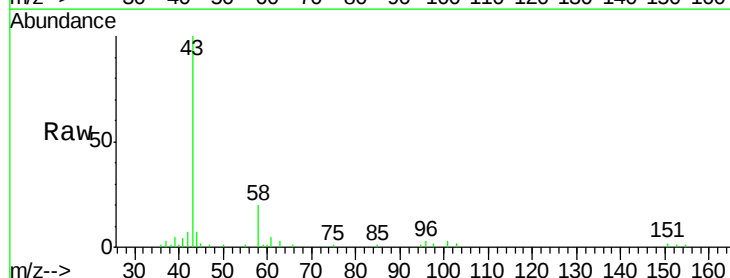
Acq: 19 Jun 2018 16:31

Tgt Ion: 43 Resp: 131604

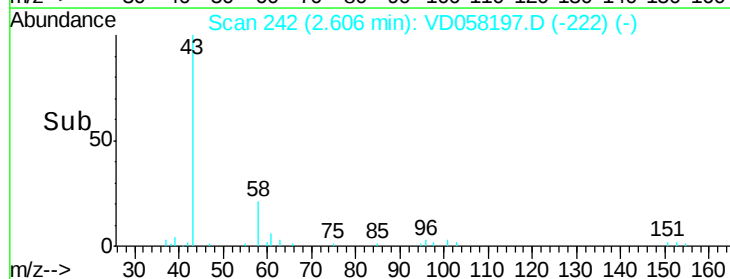
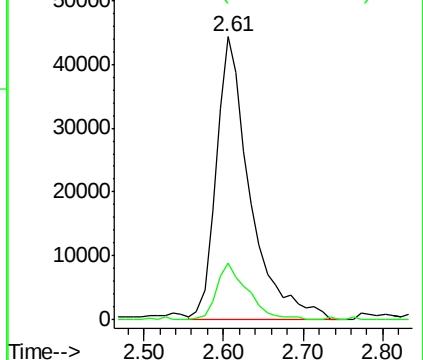
Ion Ratio Lower Upper

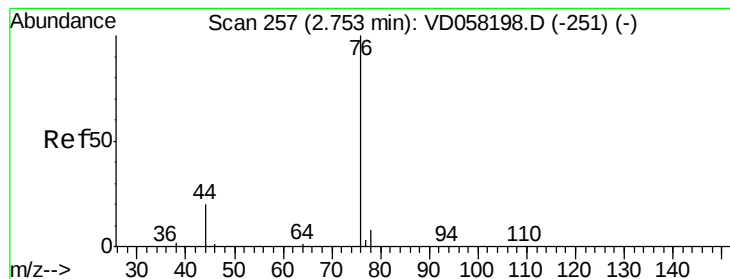
43 100

58 20.0 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 17.891 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

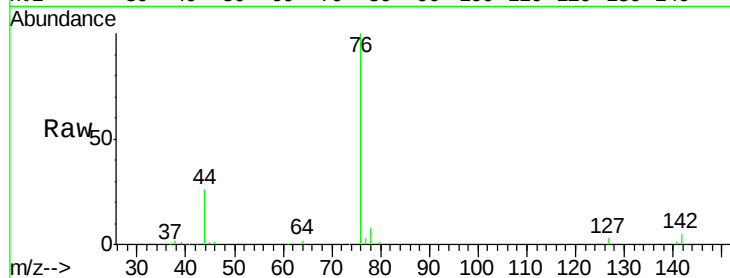
VSTDIC020

Tgt Ion: 76 Resp: 219350

Ion Ratio Lower Upper

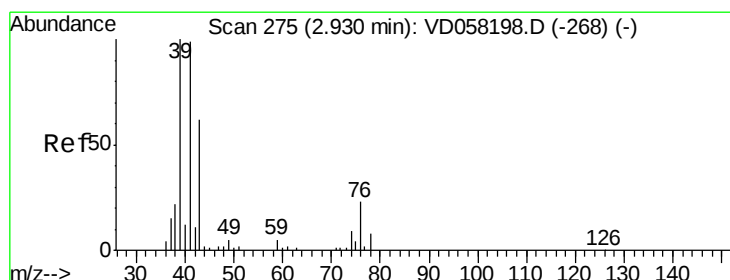
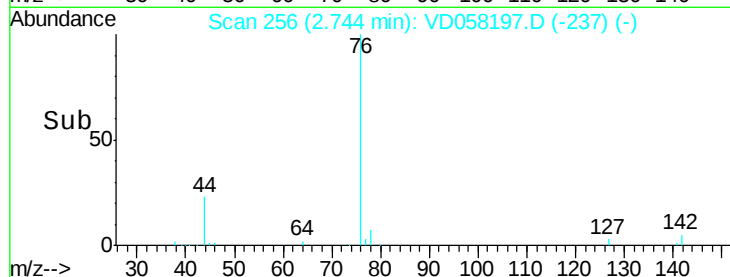
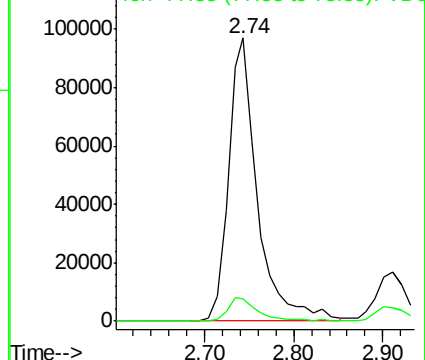
76 100

78 7.8 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.101 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058197.D

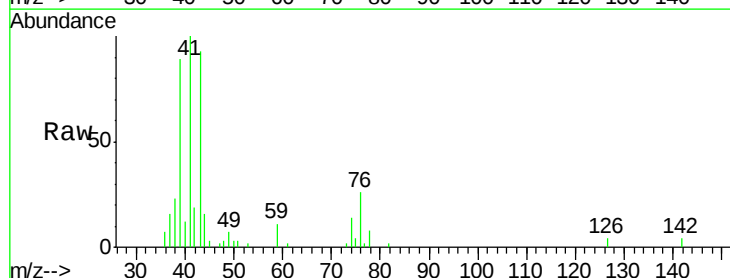
Acq: 19 Jun 2018 16:31

Tgt Ion: 43 Resp: 53029

Ion Ratio Lower Upper

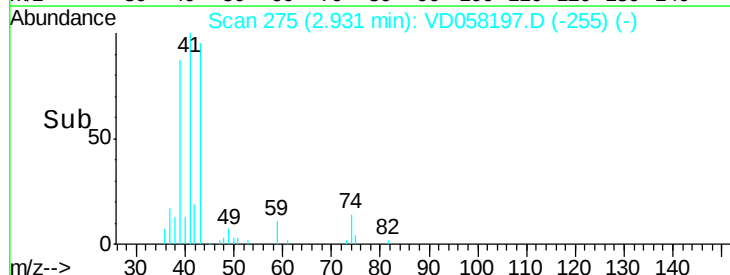
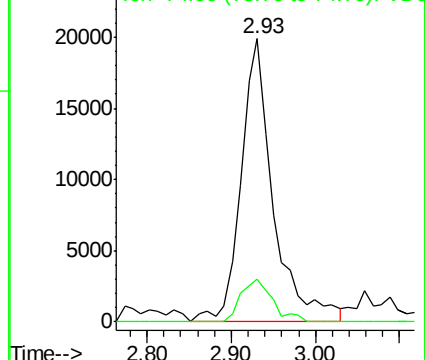
43 100

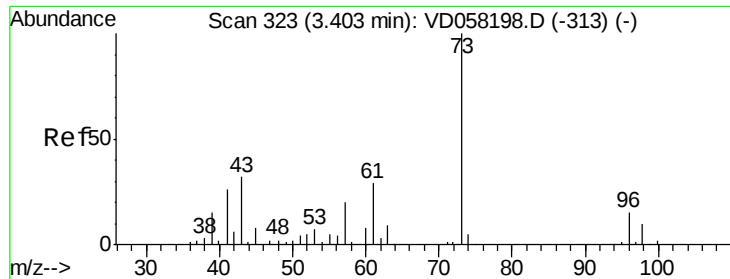
74 15.1 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

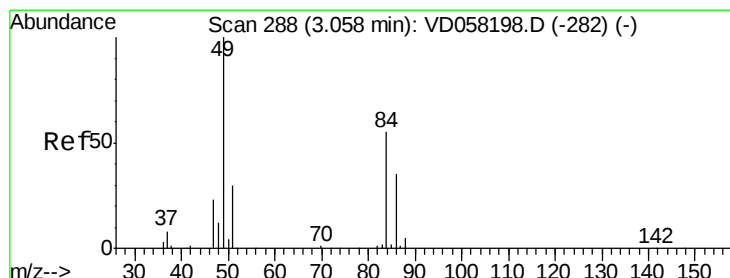
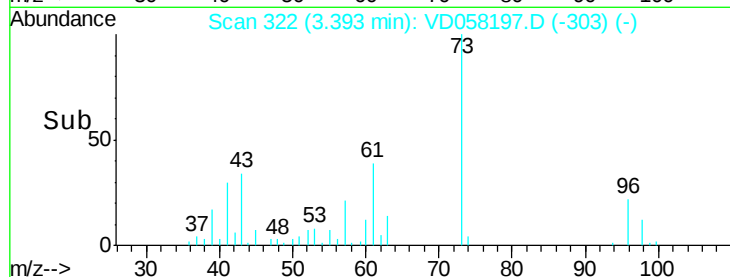
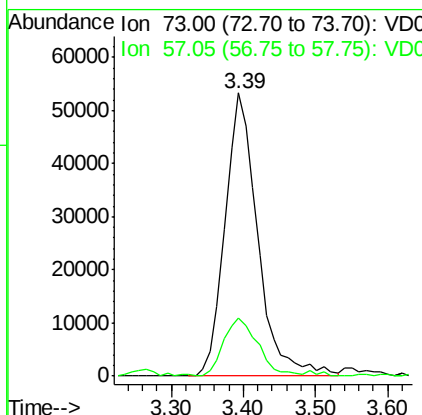
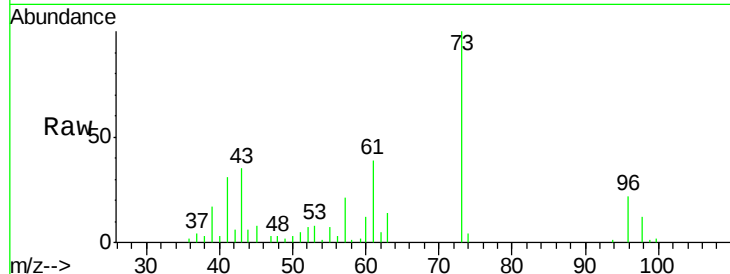




#19
Methyl tert-butyl Ether
Concen: 11.781 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.01 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

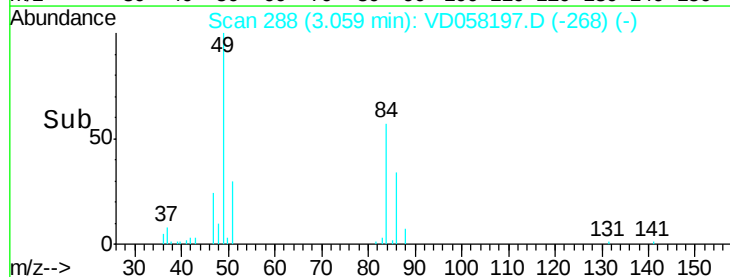
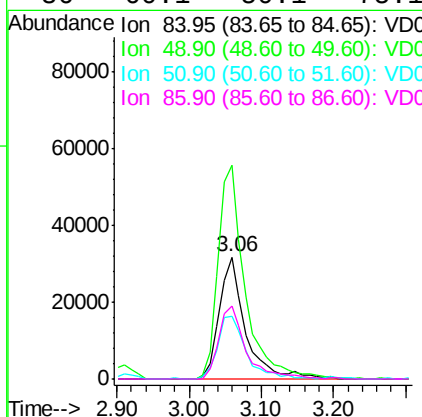
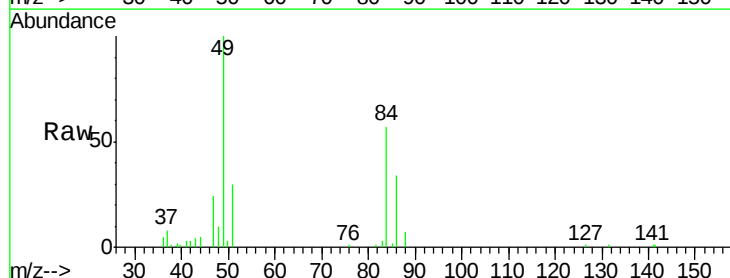
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

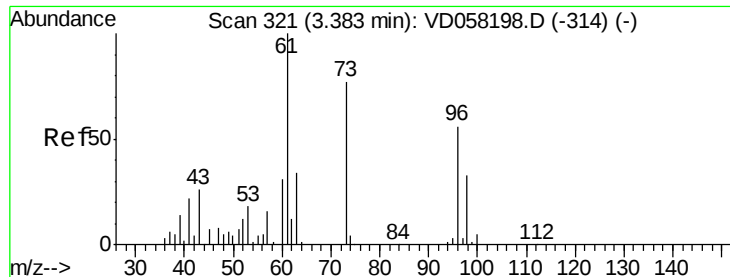
Tgt Ion: 73 Resp: 168271
Ion Ratio Lower Upper
73 100
57 20.5 16.6 24.8



#20
Methylene Chloride
Concen: 18.790 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 84 Resp: 79965
Ion Ratio Lower Upper
84 100
49 175.5 145.0 217.6
51 51.8 42.9 64.3
86 60.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 10.538 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

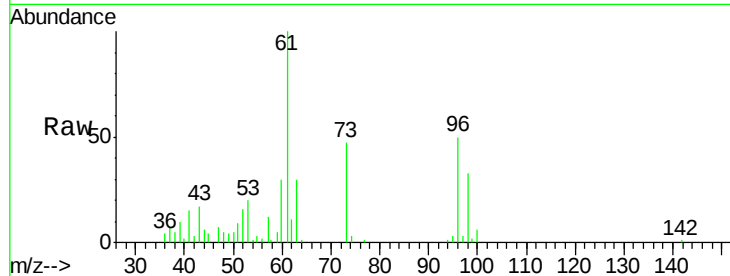
Tgt Ion: 96 Resp: 74269

Ion Ratio Lower Upper

96 100

61 199.1 143.8 215.6

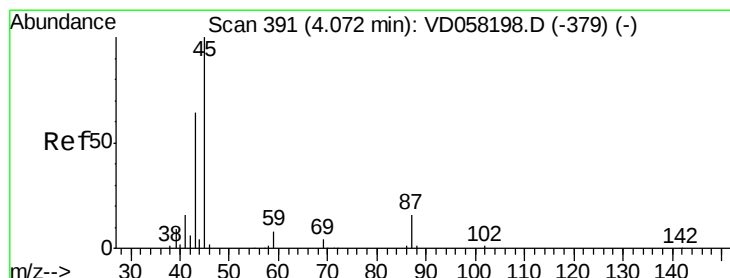
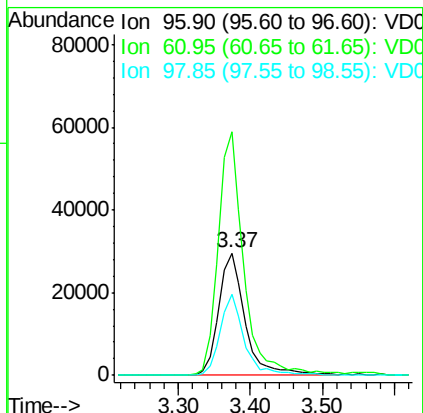
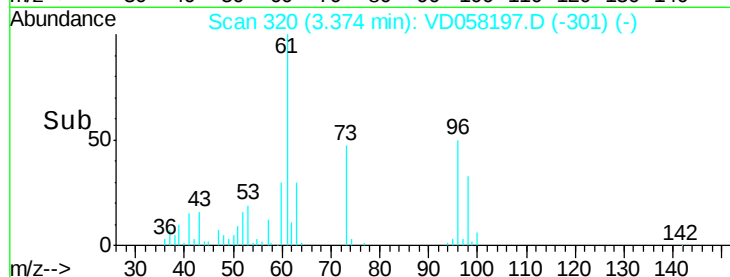
98 66.3 48.0 72.0



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



#22

Diisopropyl ether

Concen: 19.441 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Tgt Ion: 45 Resp: 609561

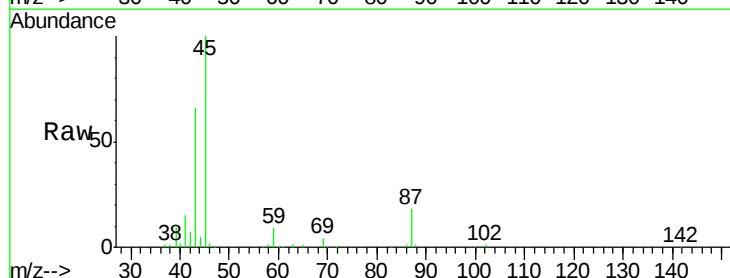
Ion Ratio Lower Upper

45 100

43 66.4 51.4 77.0

87 17.6 13.0 19.4

59 9.3 6.9 10.3

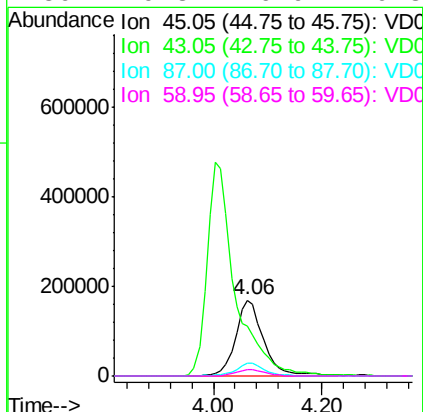
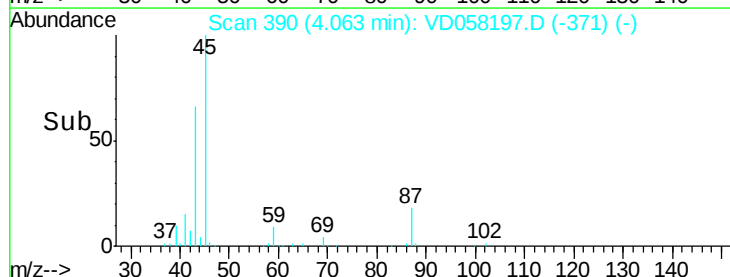


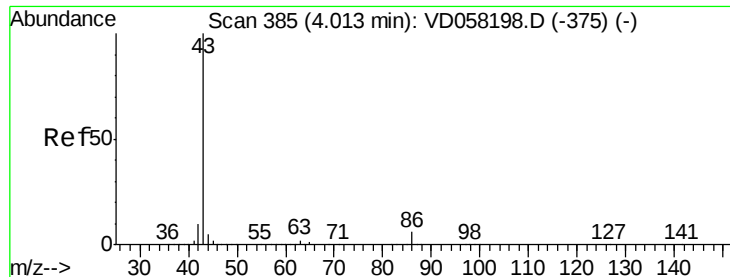
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.627 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

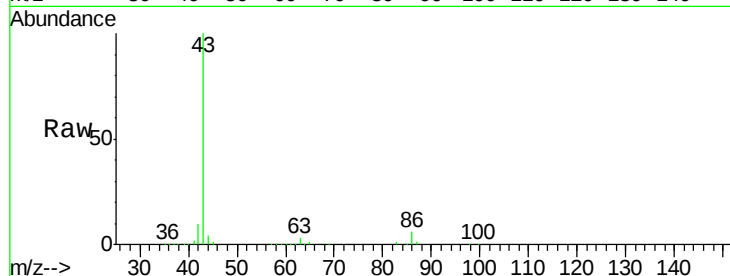
VSTDIC020

Tgt Ion: 43 Resp: 1710709

Ion Ratio Lower Upper

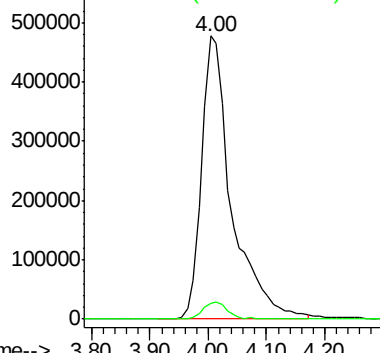
43 100

86 5.8 5.0 7.4

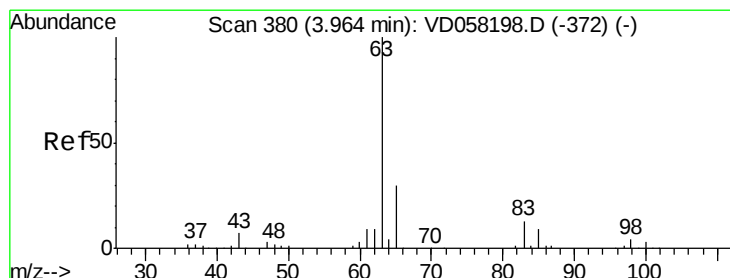
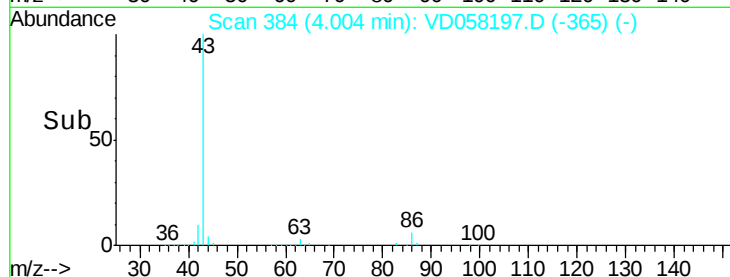


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 19.052 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

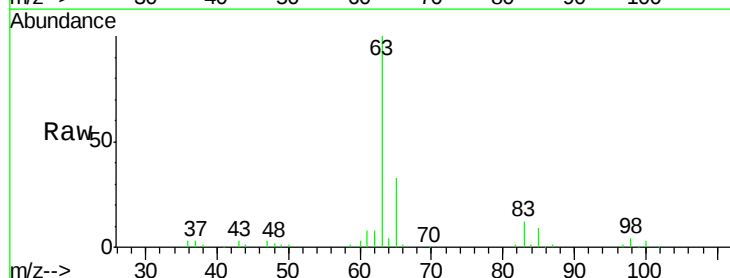
Tgt Ion: 63 Resp: 328774

Ion Ratio Lower Upper

63 100

98 4.0 1.9 5.7

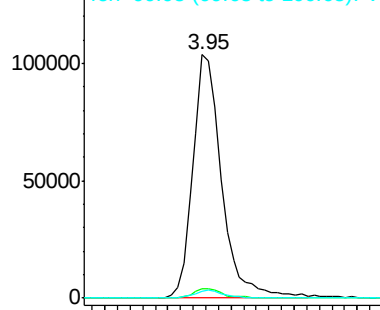
100 2.5 1.3 3.9



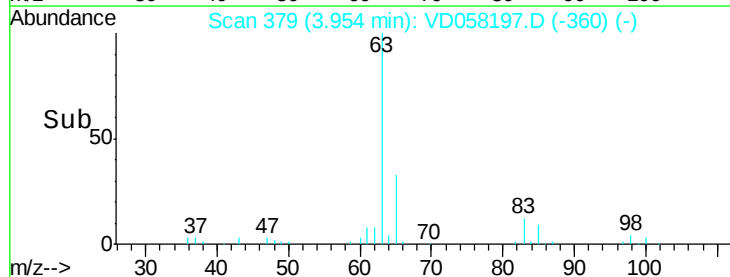
Abundance Ion 62.95 (62.65 to 63.65): VDC

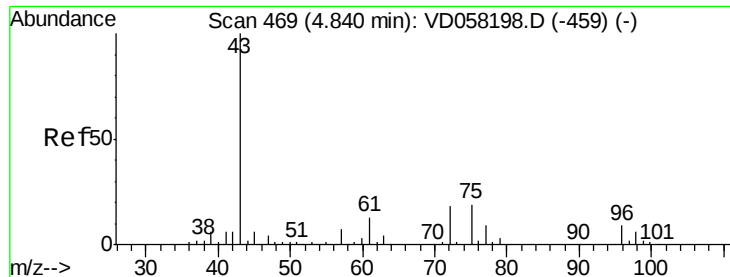
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->

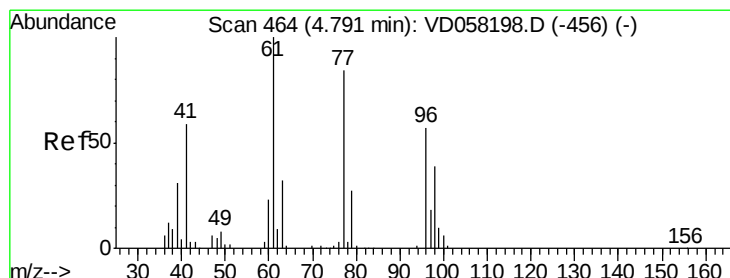
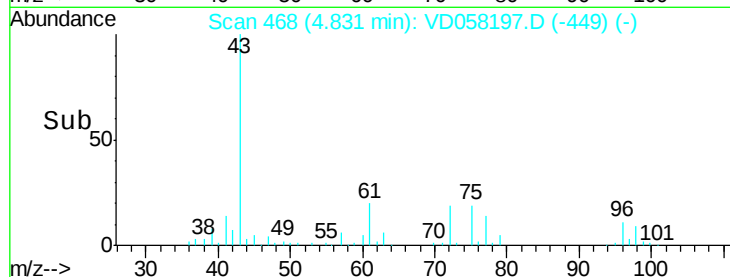
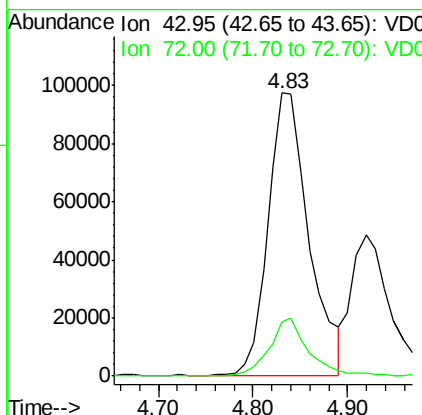
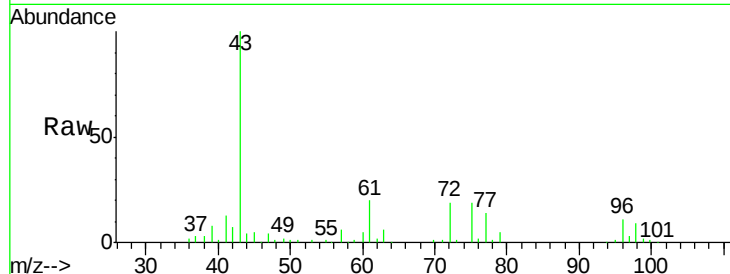




#25
2-Butanone
Concen: 103.458 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

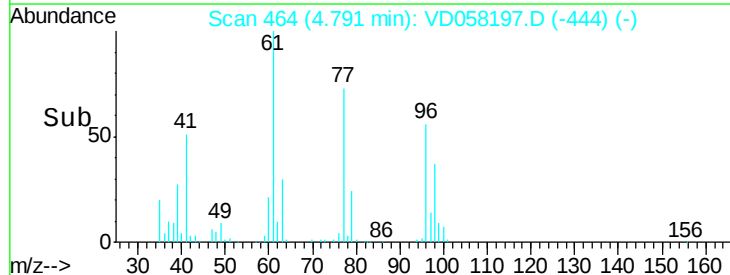
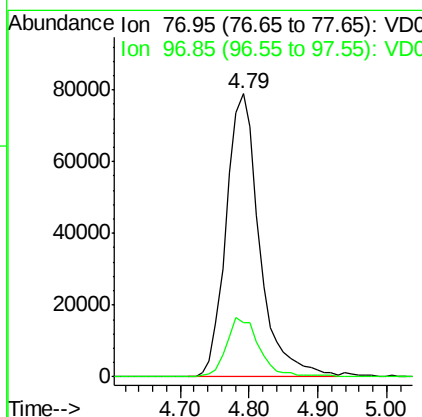
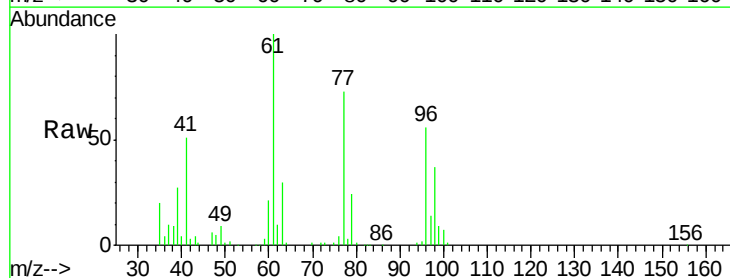
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

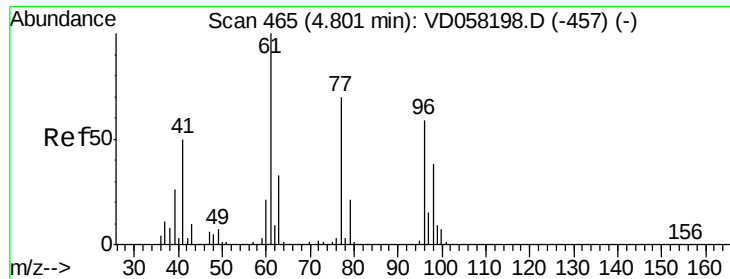
Tgt Ion: 43 Resp: 294438
Ion Ratio Lower Upper
43 100
72 19.4 14.1 21.1



#26
2,2-Dichloropropane
Concen: 18.773 ug/l
RT: 4.79 min Scan# 464
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 77 Resp: 266313
Ion Ratio Lower Upper
77 100
97 19.1 10.5 31.6



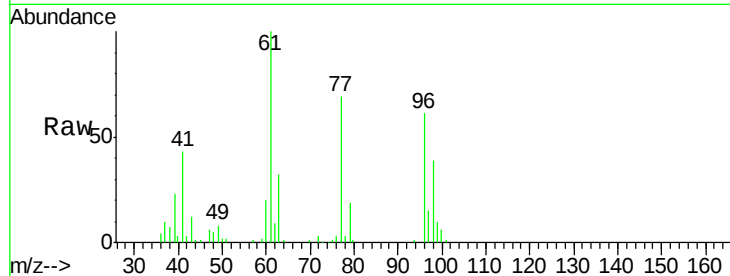


#27

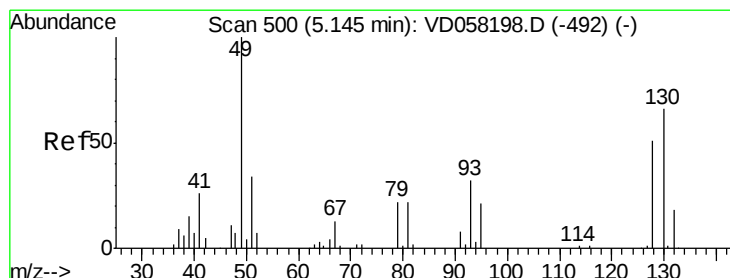
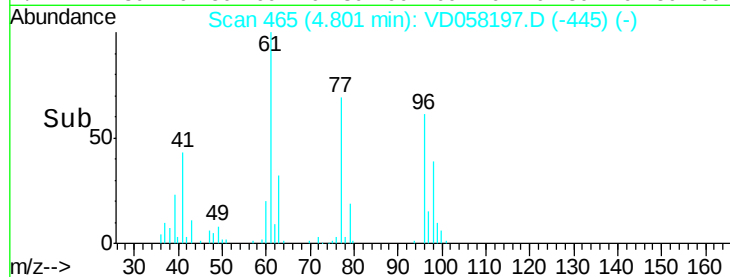
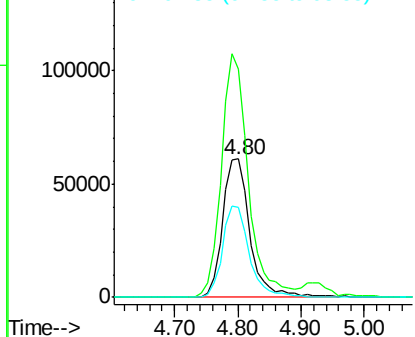
cis-1,2-Dichloroethene
 Concen: 20.167 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 183693
 Ion Ratio Lower Upper
 96 100
 61 164.7 0.0 338.6
 98 64.7 0.0 130.2



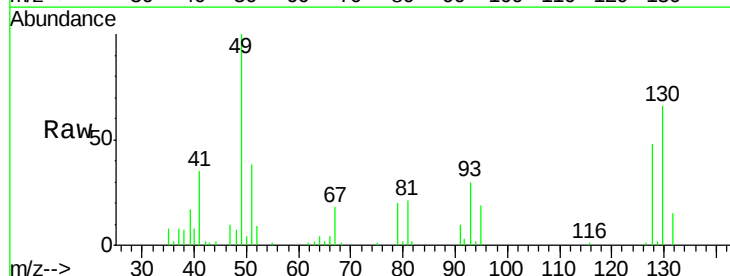
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



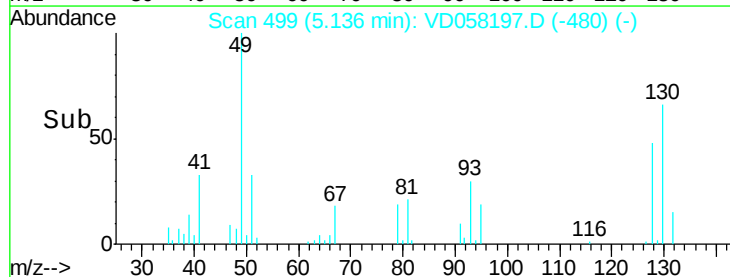
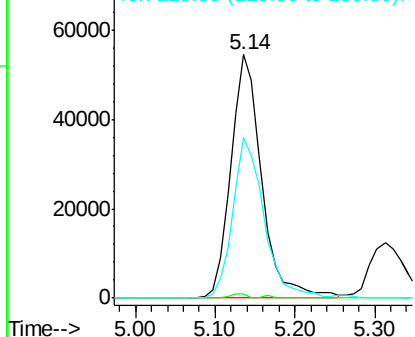
#28

Bromochloromethane
 Concen: 19.452 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion: 49 Resp: 146774
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 0.0#
 130 65.9 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

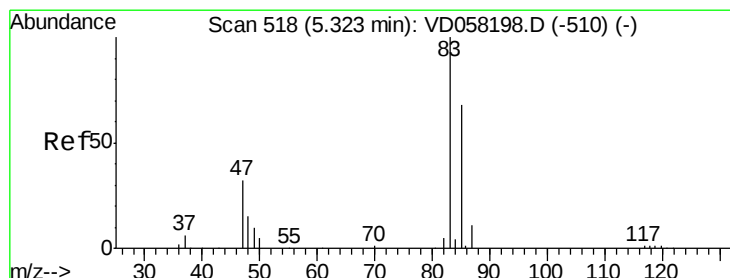
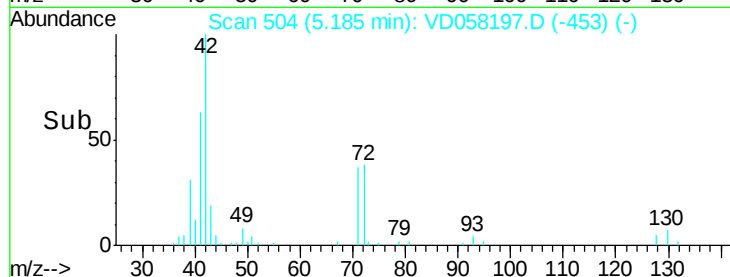
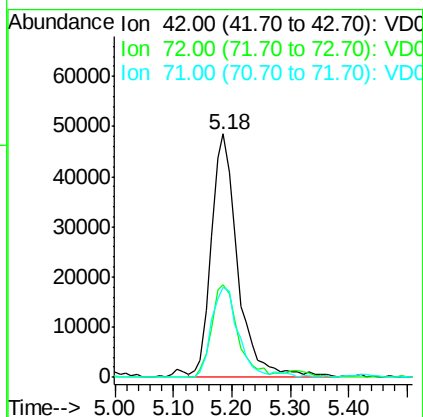
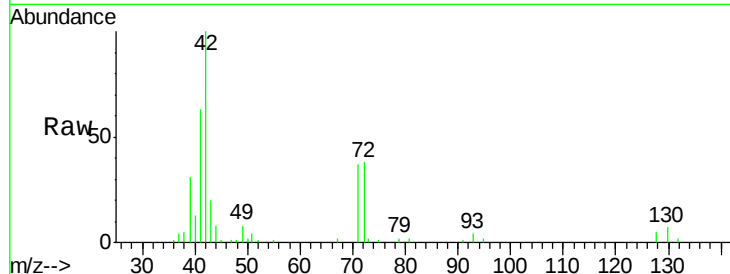




#29
Tetrahydrofuran
Concen: 101.536 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

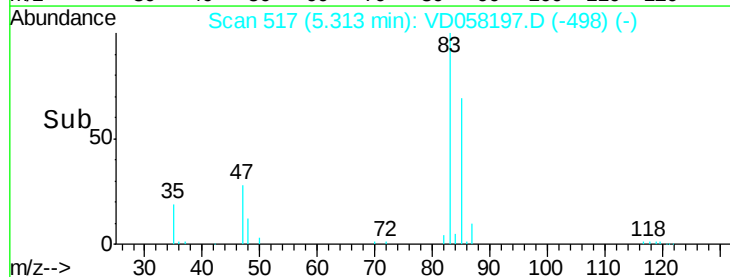
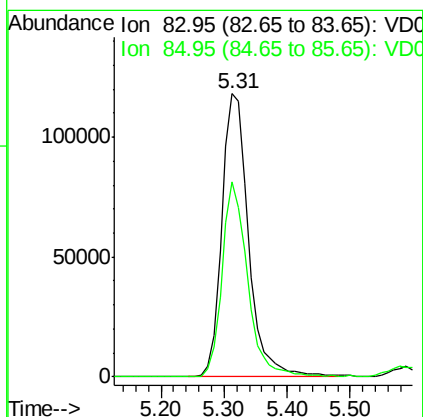
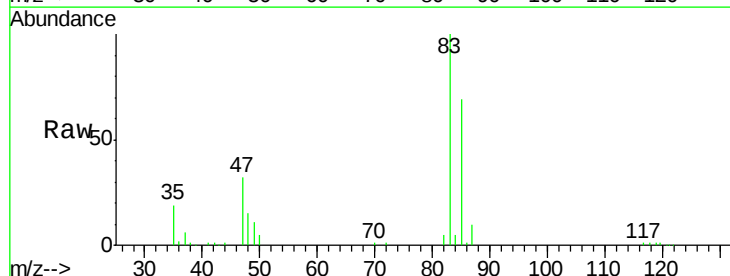
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

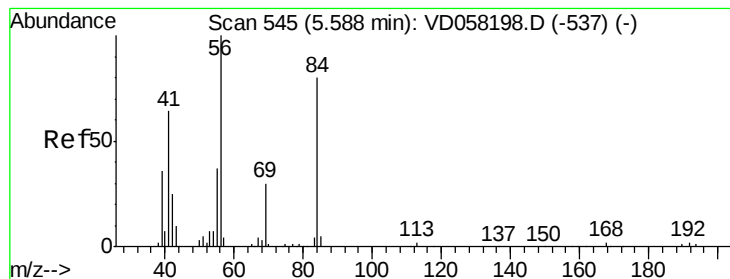
Tgt Ion: 42 Resp: 153428
Ion Ratio Lower Upper
42 100
72 37.8 30.2 45.2
71 36.7 30.1 45.1



#30
Chloroform
Concen: 19.869 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 83 Resp: 347047
Ion Ratio Lower Upper
83 100
85 68.9 54.8 82.2





#31

Cyclohexane

Concen: 18.474 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

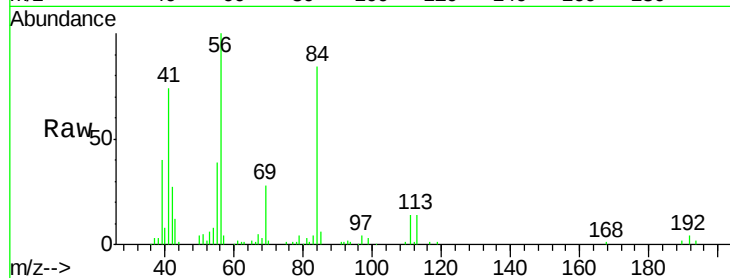
Tgt Ion: 56 Resp: 275335

Ion Ratio Lower Upper

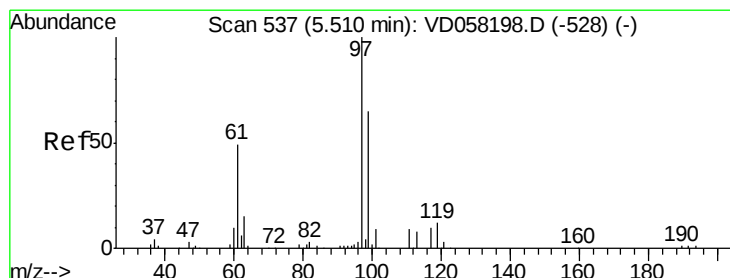
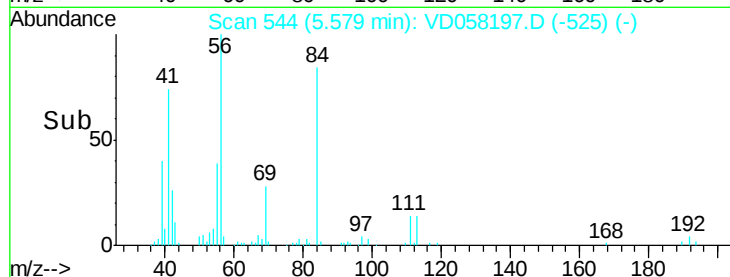
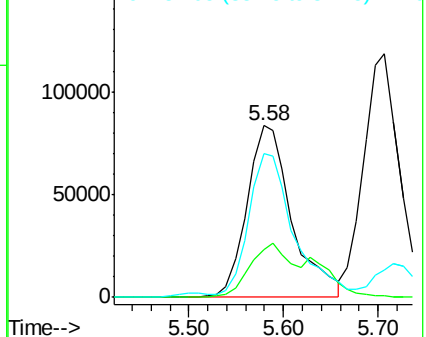
56 100

69 27.5 23.6 35.4

84 84.1 65.2 97.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 19.135 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

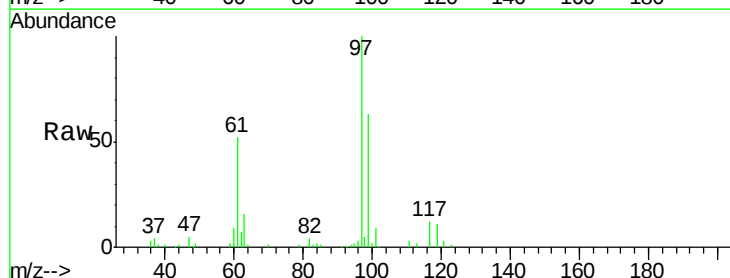
Tgt Ion: 97 Resp: 279840

Ion Ratio Lower Upper

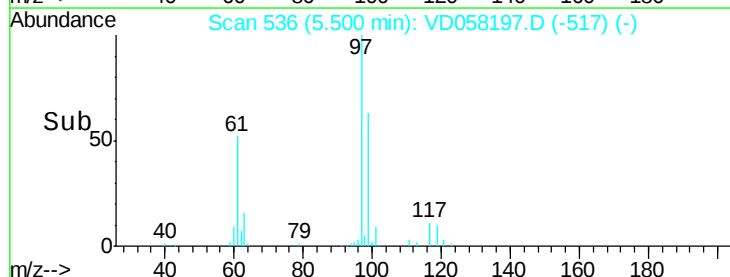
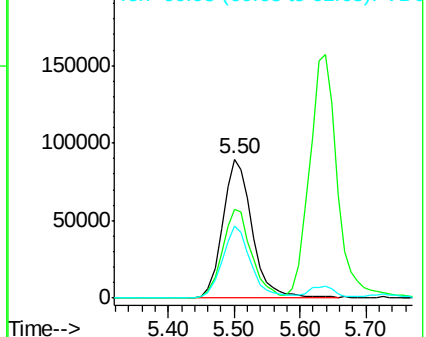
97 100

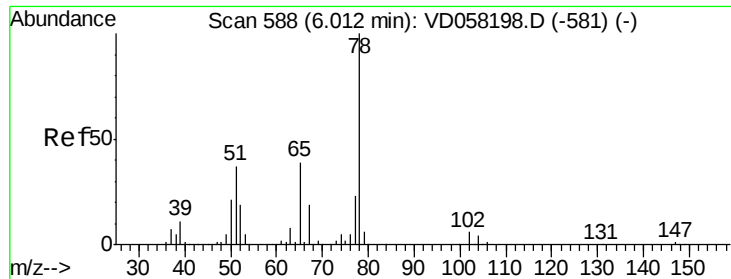
99 63.5 52.2 78.4

61 51.6 39.0 58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.135 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

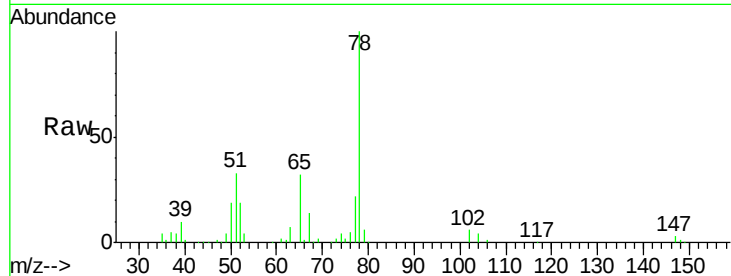
VSTDIC020

Tgt Ion: 65 Resp: 180154

Ion Ratio Lower Upper

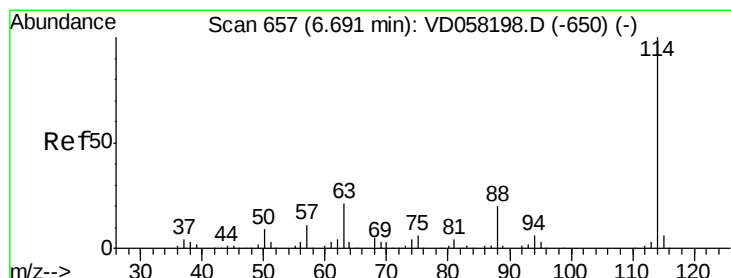
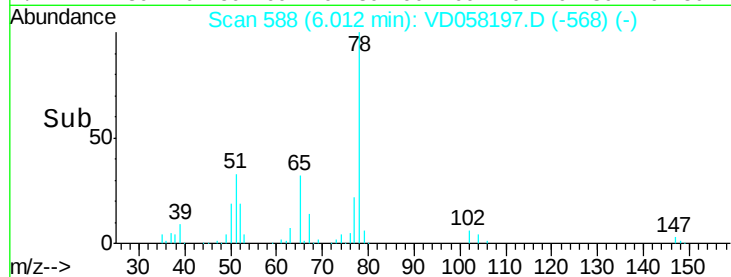
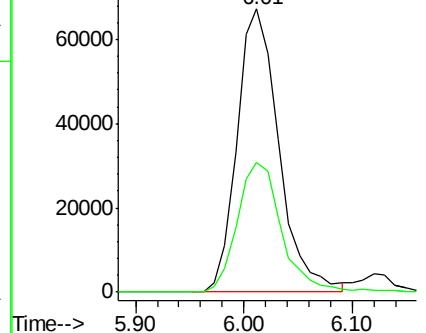
65 100

67 45.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

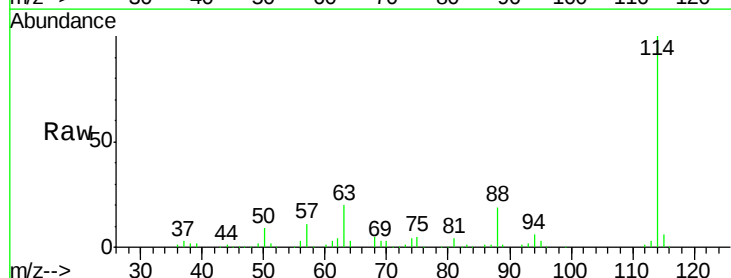
Tgt Ion: 114 Resp: 1155171

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

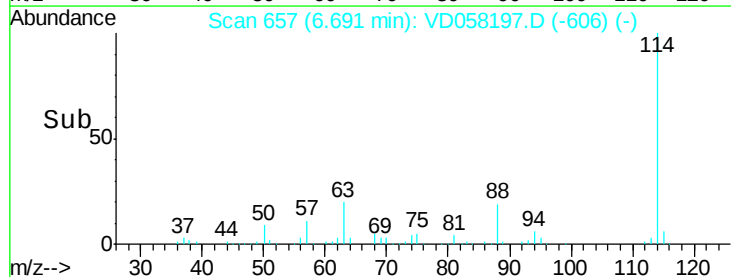
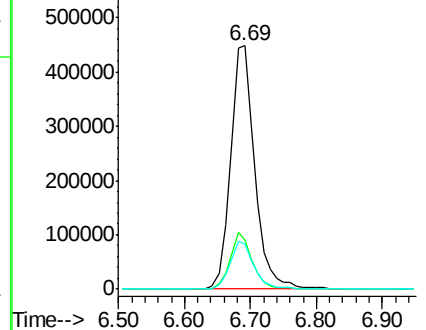
88 18.8 0.0 40.6

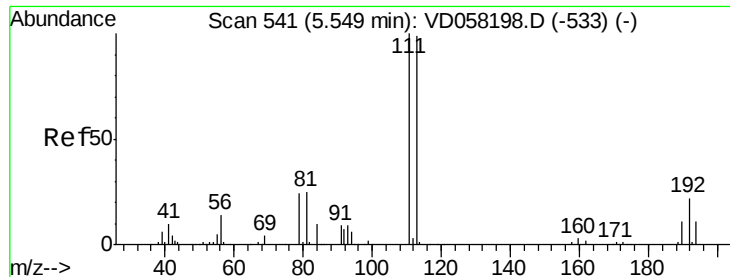


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

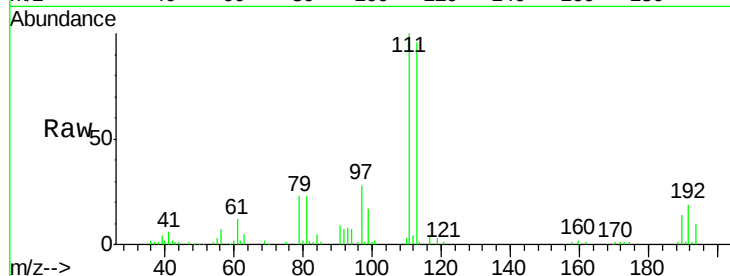
Tgt Ion:113 Resp: 189016

Ion Ratio Lower Upper

113 100

111 104.7 80.6 121.0

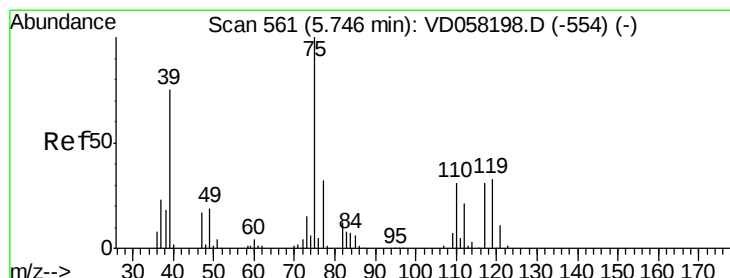
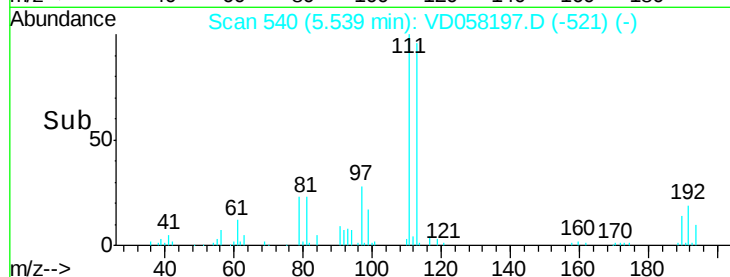
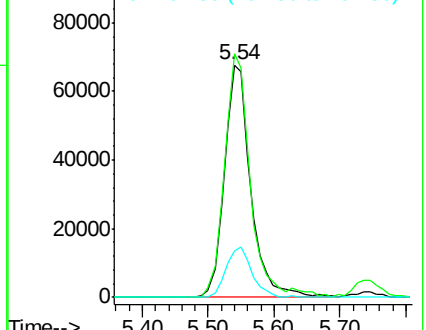
192 19.8 17.8 26.6



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: 19.663 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

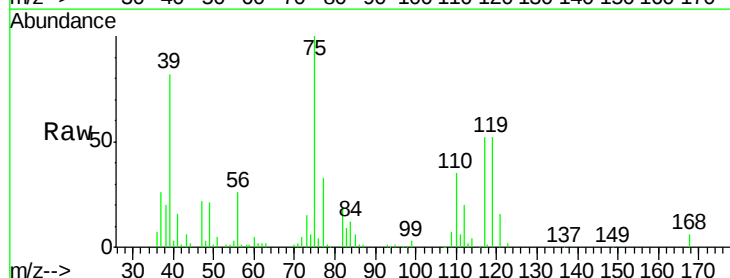
Tgt Ion: 75 Resp: 245269

Ion Ratio Lower Upper

75 100

110 34.8 15.4 46.4

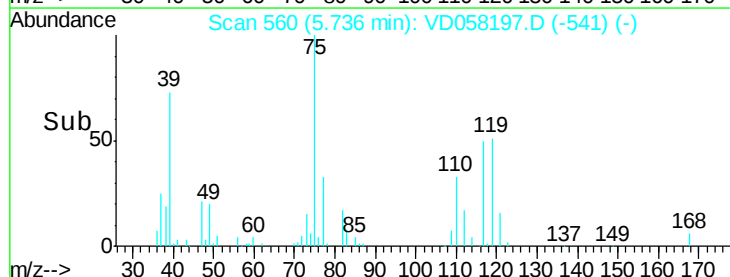
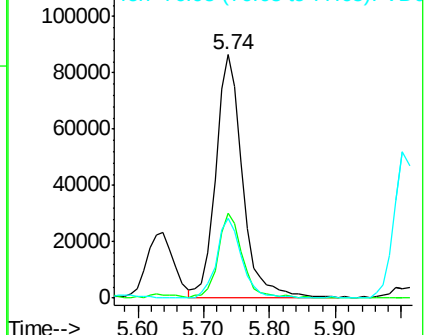
77 32.9 25.4 38.2

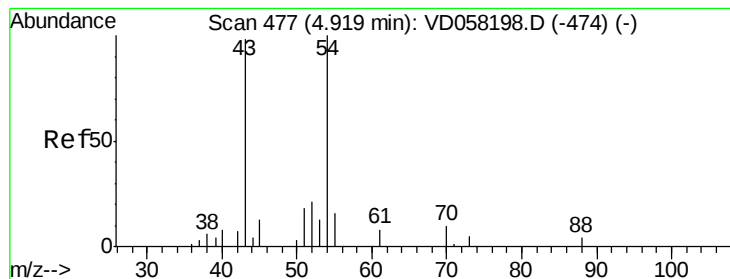


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 20.251 ug/l

RT: 4.92 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

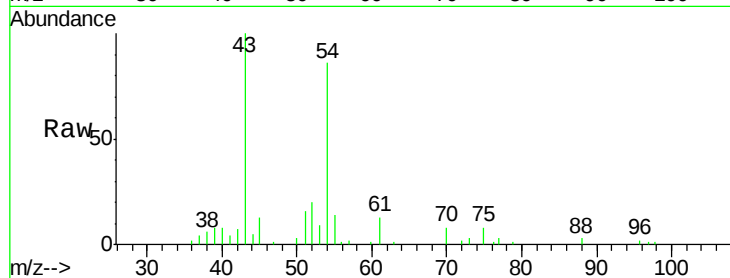
Tgt Ion: 43 Resp: 141075

Ion Ratio Lower Upper

43 100

61 12.7 10.3 15.5

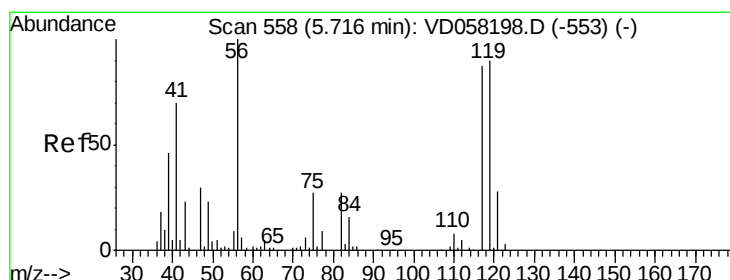
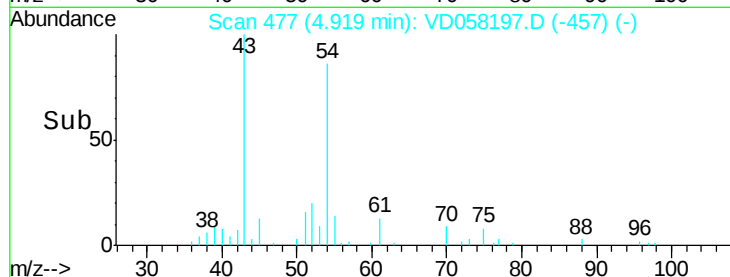
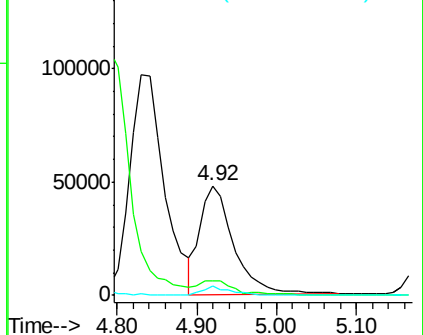
70 8.5 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 18.999 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

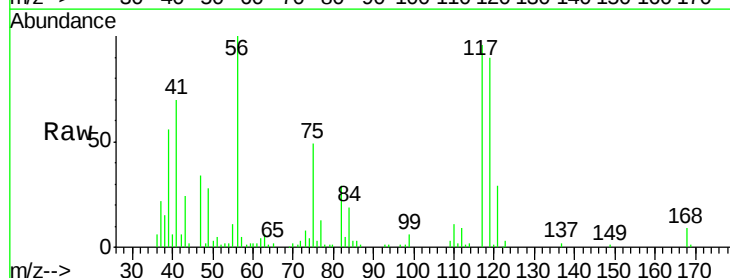
Tgt Ion: 117 Resp: 234358

Ion Ratio Lower Upper

117 100

119 93.3 78.8 118.2

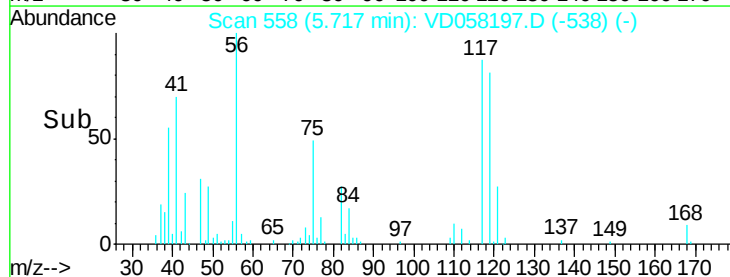
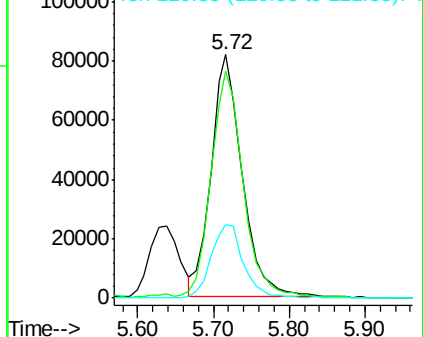
121 30.1 25.0 37.6

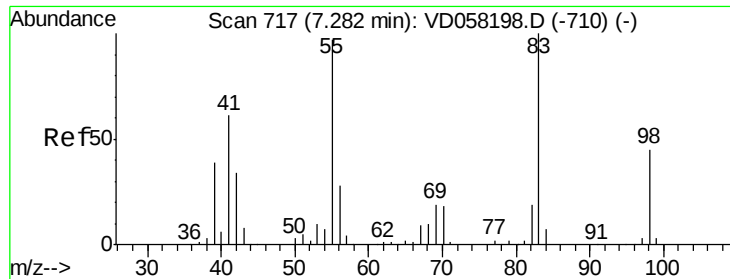


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

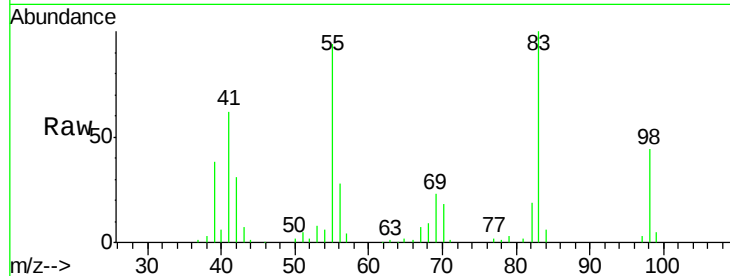




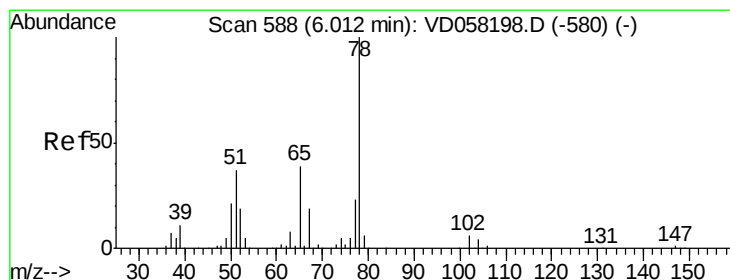
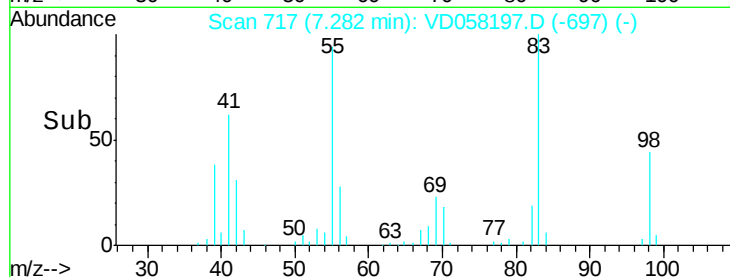
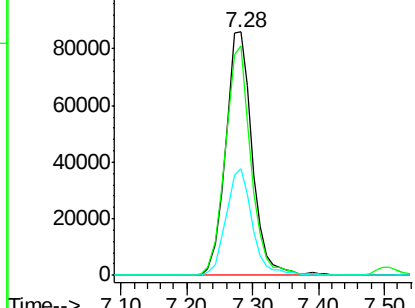
#39
Methylcyclohexane
Concen: 19.710 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 241871
Ion Ratio Lower Upper
83 100
55 94.1 77.4 116.2
98 43.9 35.9 53.9

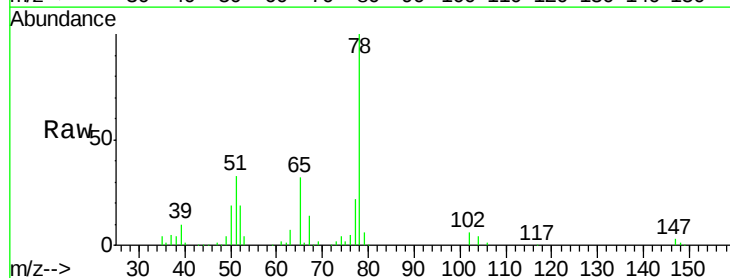


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

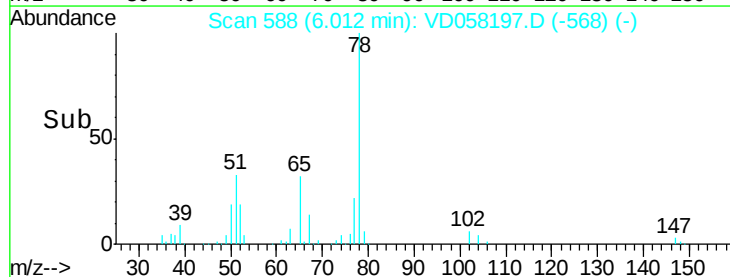
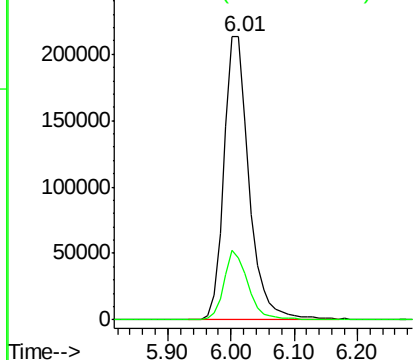


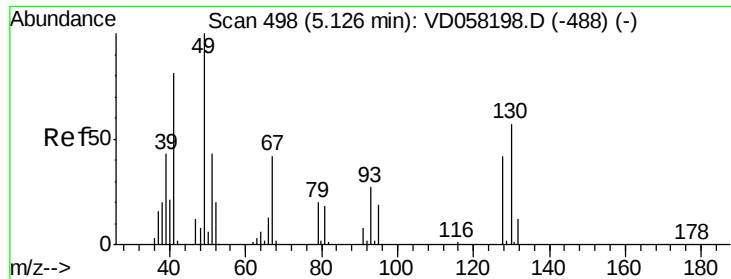
#40
Benzene
Concen: 20.222 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 78 Resp: 589538
Ion Ratio Lower Upper
78 100
77 22.0 18.5 27.7



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





#41

Methacrylonitrile

Concen: 20.612 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 65110

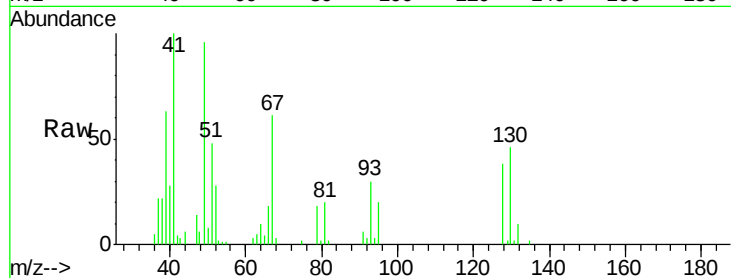
Ion Ratio Lower Upper

41 100

39 63.4 43.4 65.2

67 61.2 41.7 62.5

52 28.4 20.6 30.8

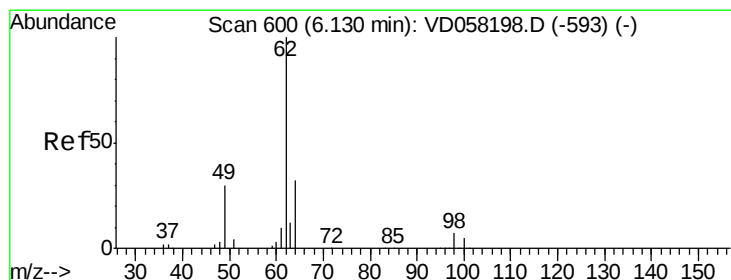
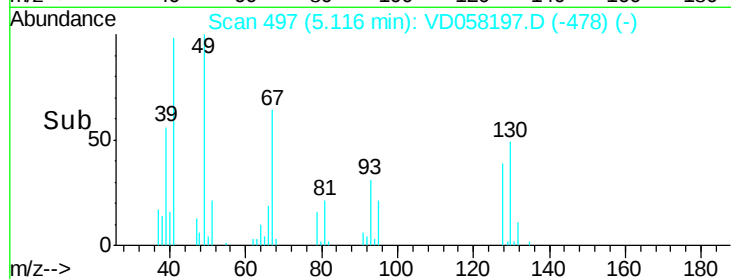
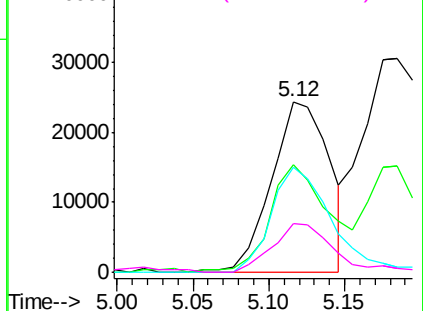


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.634 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD058197.D

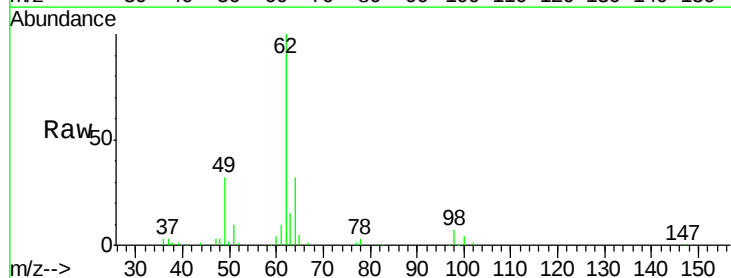
Acq: 19 Jun 2018 16:31

Tgt Ion: 62 Resp: 232131

Ion Ratio Lower Upper

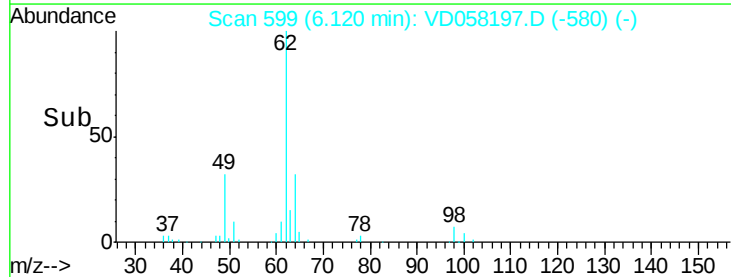
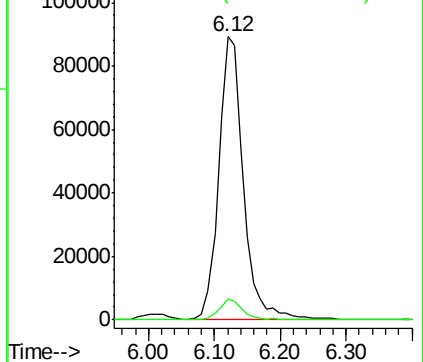
62 100

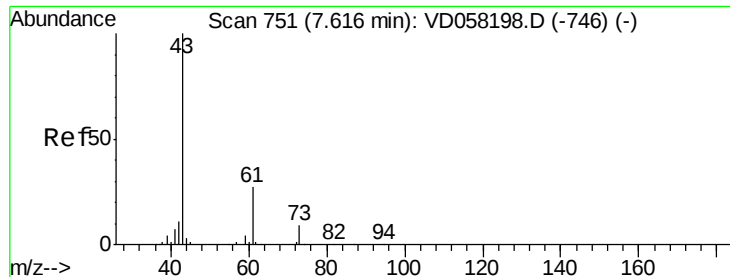
98 7.3 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.935 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

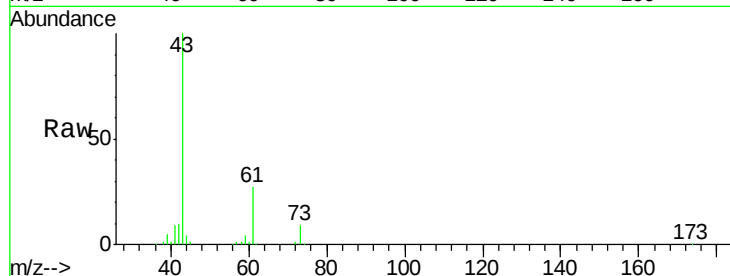
Tgt Ion: 43 Resp: 190926

Ion Ratio Lower Upper

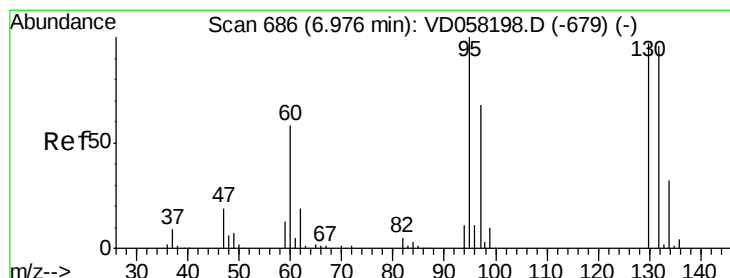
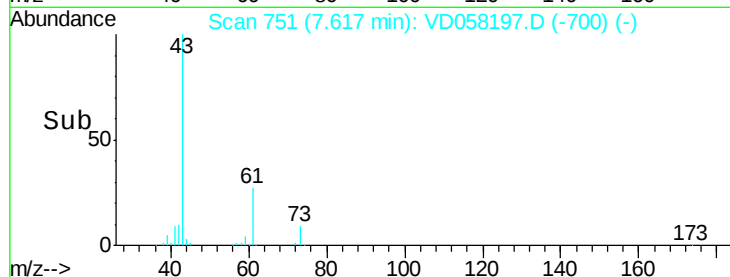
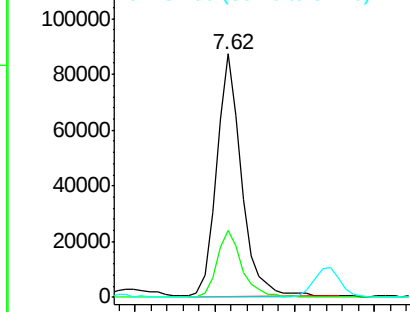
43 100

61 27.3 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: 21.364 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058197.D

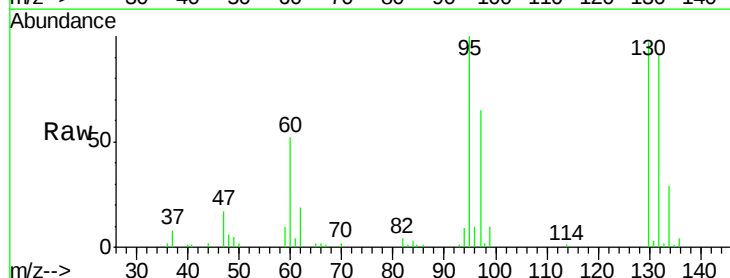
Acq: 19 Jun 2018 16:31

Tgt Ion:130 Resp: 182003

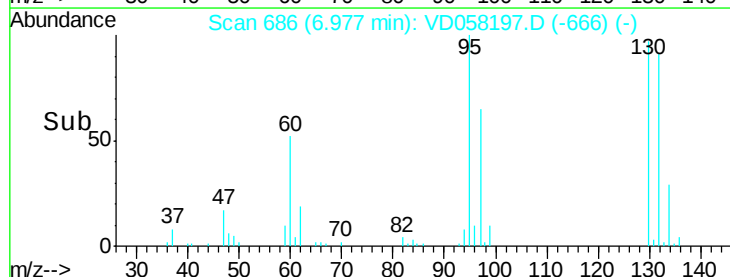
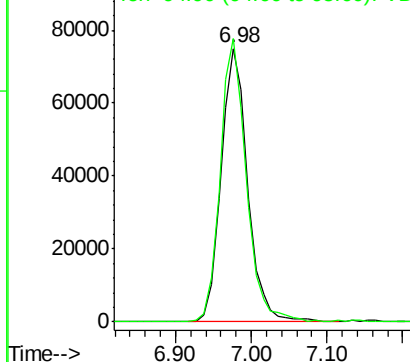
Ion Ratio Lower Upper

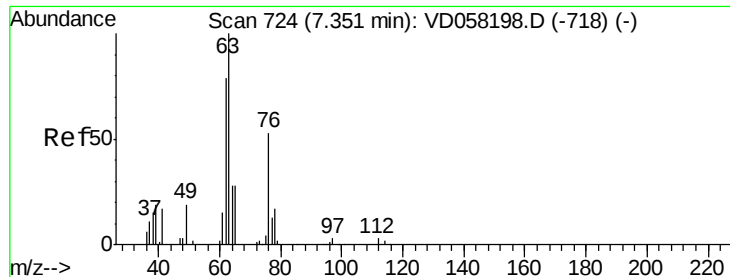
130 100

95 103.4 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 19.460 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

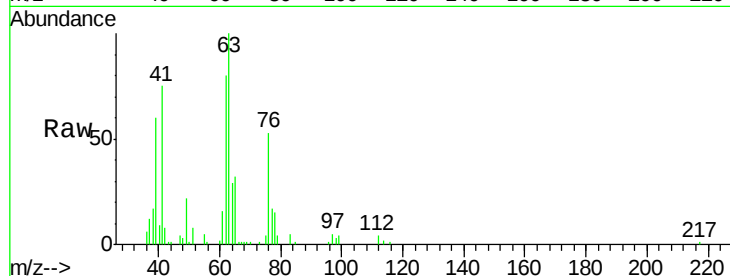
VSTDIC020

Tgt Ion: 63 Resp: 157634

Ion Ratio Lower Upper

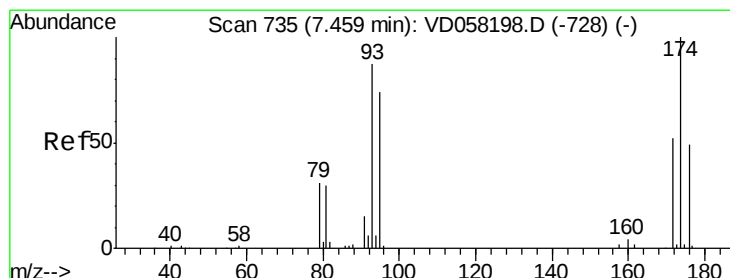
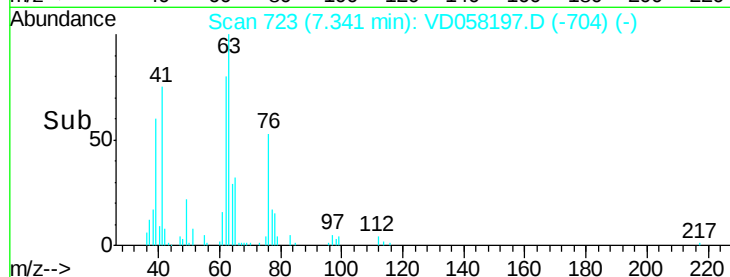
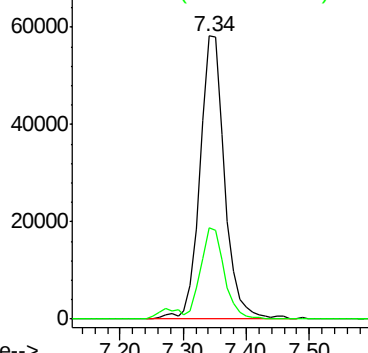
63 100

65 32.5 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.211 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

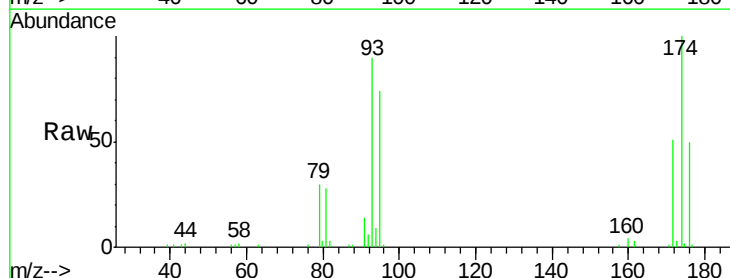
Tgt Ion: 93 Resp: 112016

Ion Ratio Lower Upper

93 100

95 82.3 67.8 101.6

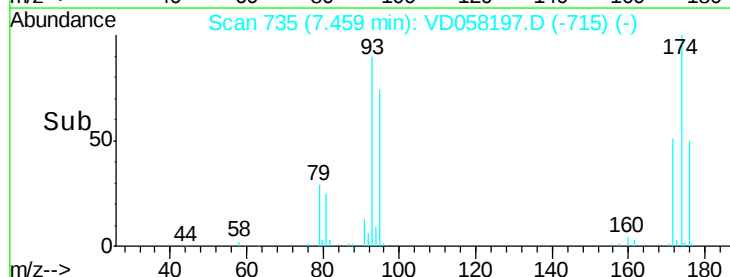
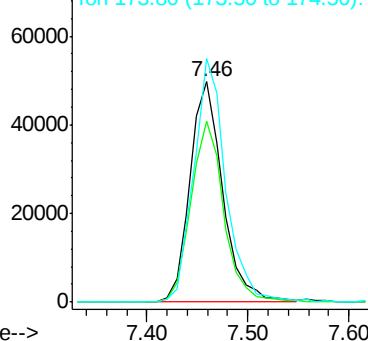
174 110.6 92.2 138.2

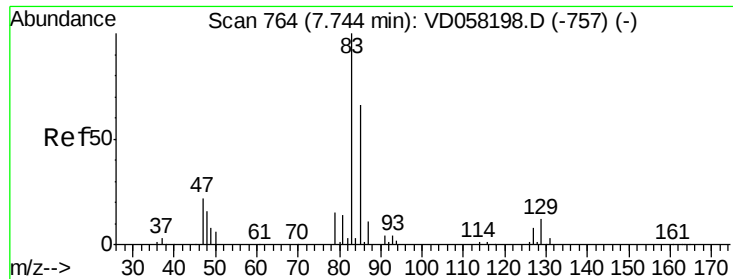


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.612 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

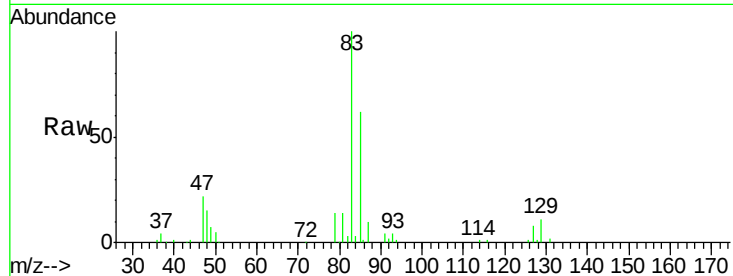
Tgt Ion: 83 Resp: 250915

Ion Ratio Lower Upper

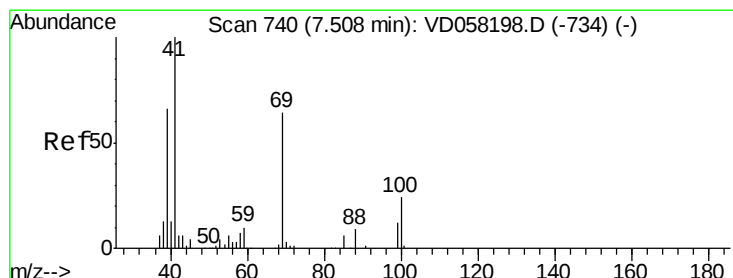
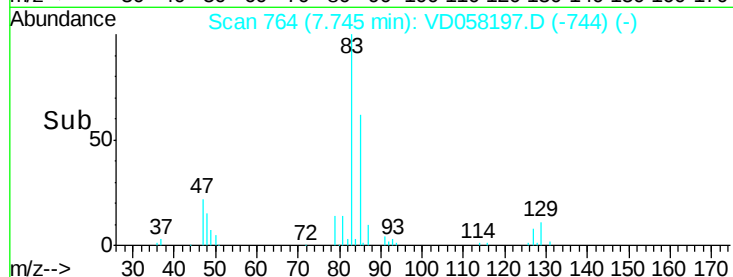
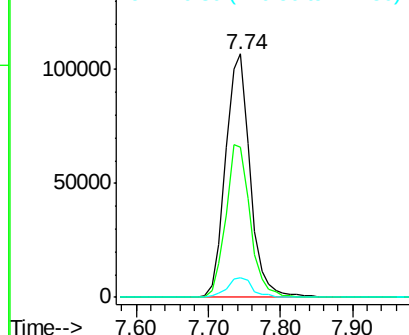
83 100

85 61.8 52.6 78.8

127 8.2 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.983 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

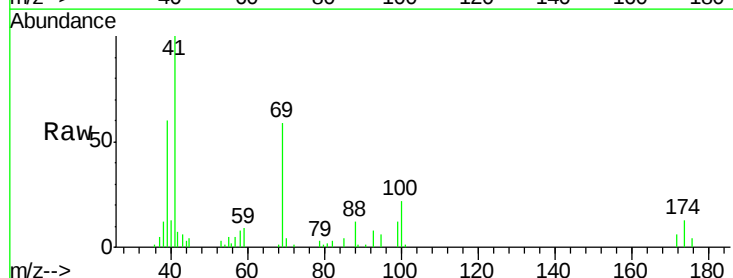
Tgt Ion: 41 Resp: 111691

Ion Ratio Lower Upper

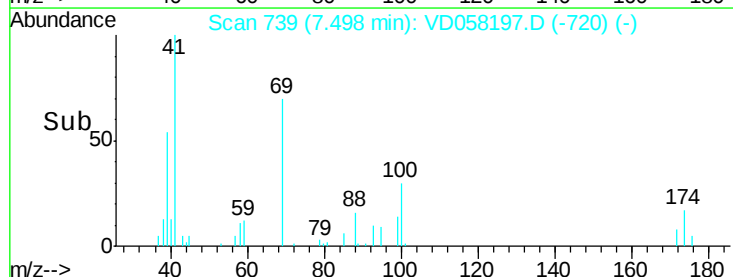
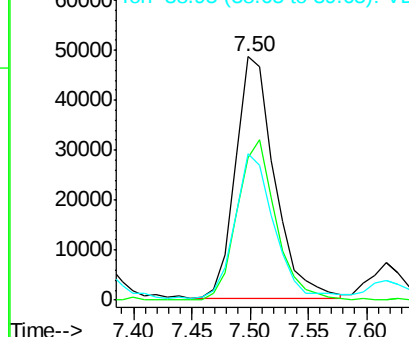
41 100

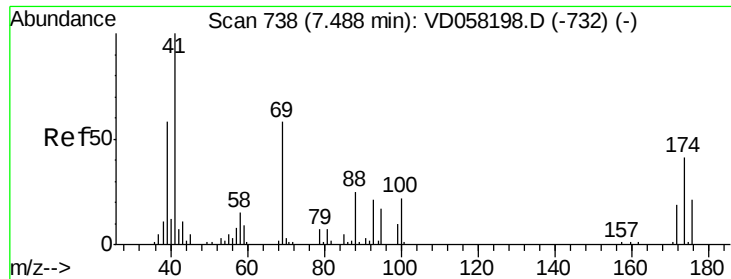
69 58.7 50.7 76.1

39 60.3 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: 445.677 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

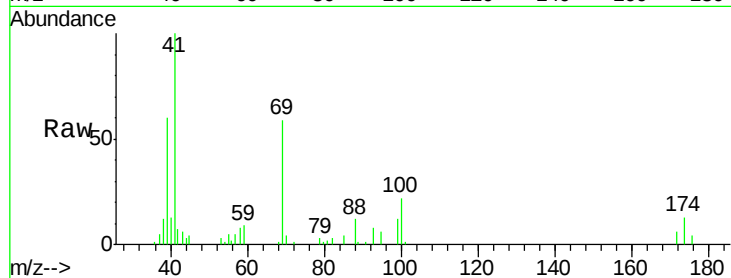
Tgt Ion: 88 Resp: 21313

Ion Ratio Lower Upper

88 100

43 49.8 34.2 51.2

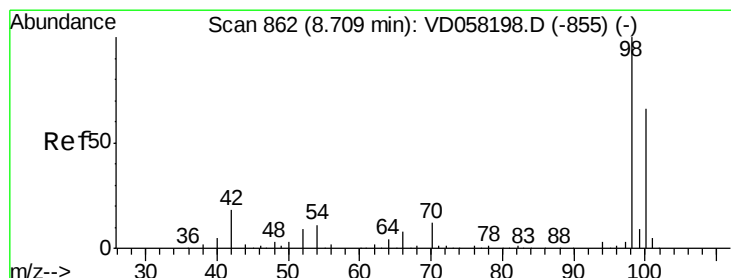
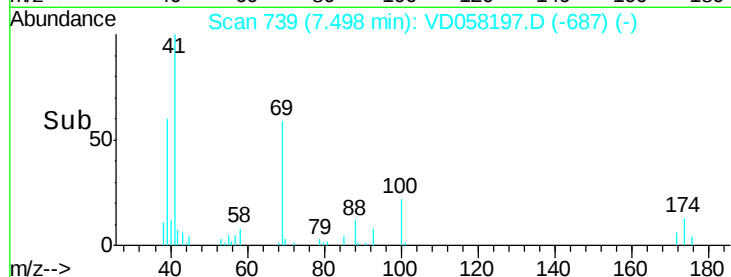
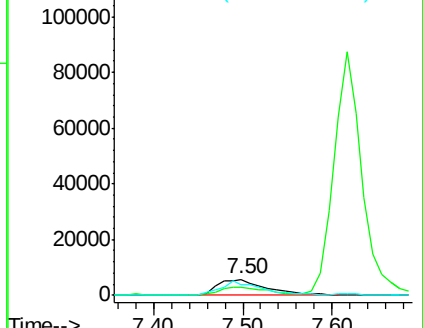
58 67.8 47.9 71.9



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: 445.677 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058197.D

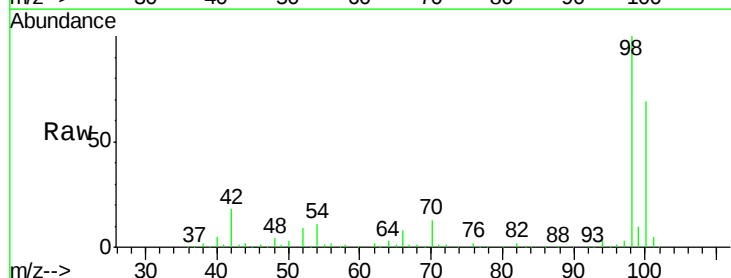
Acq: 19 Jun 2018 16:31

Tgt Ion: 98 Resp: 480252

Ion Ratio Lower Upper

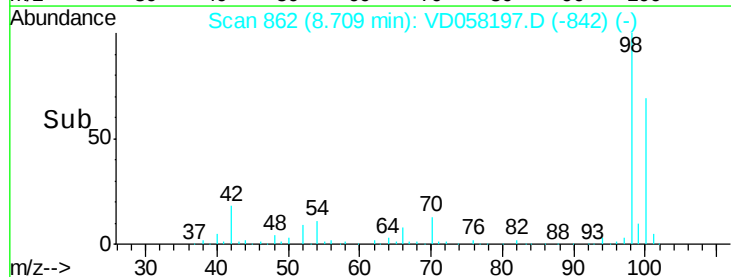
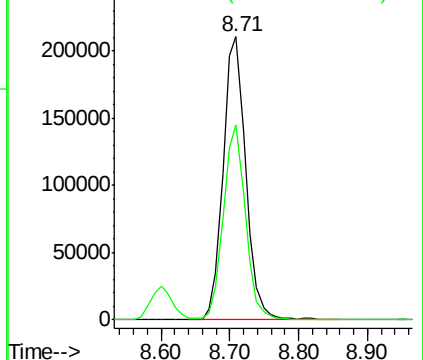
98 100

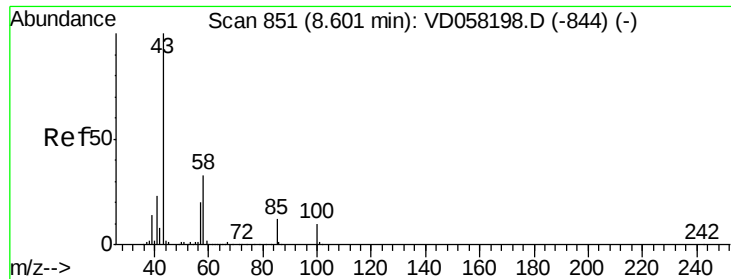
100 69.1 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 105.779 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

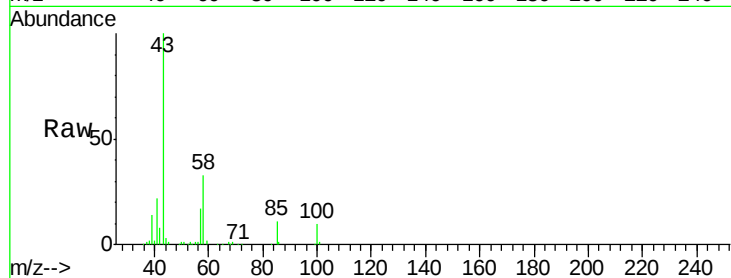
VSTDIC020

Tgt Ion: 43 Resp: 619422

Ion Ratio Lower Upper

43 100

58 33.0 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

250000

200000

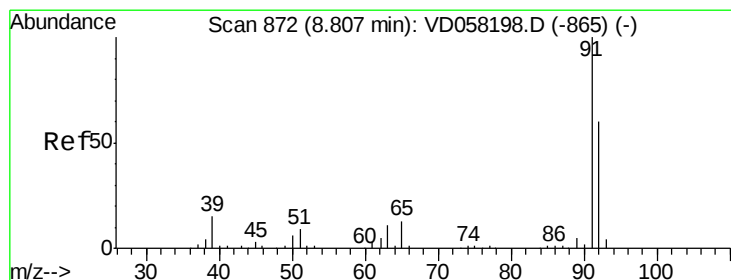
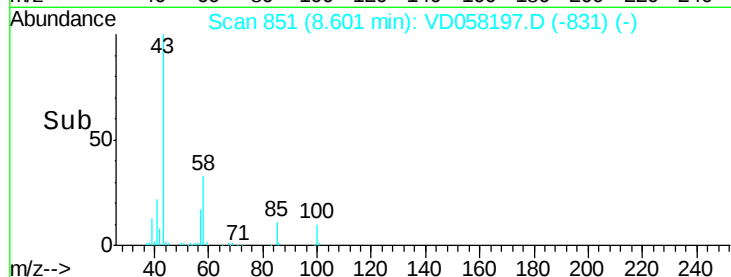
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.666 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058197.D

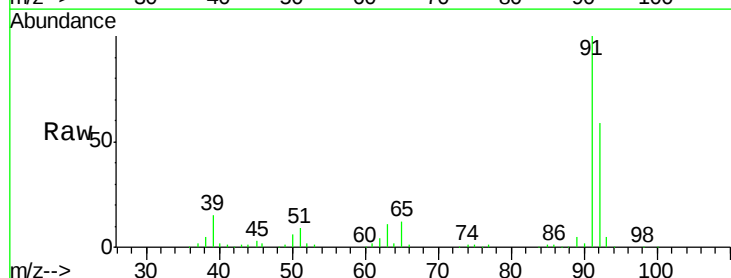
Acq: 19 Jun 2018 16:31

Tgt Ion: 92 Resp: 346092

Ion Ratio Lower Upper

92 100

91 170.5 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

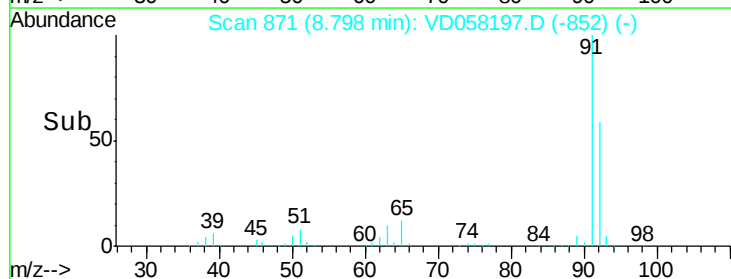
150000

100000

50000

0

Time-->

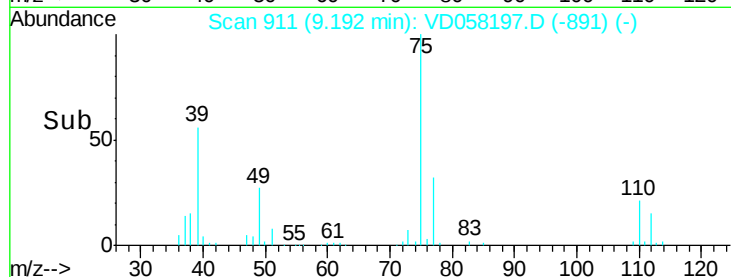
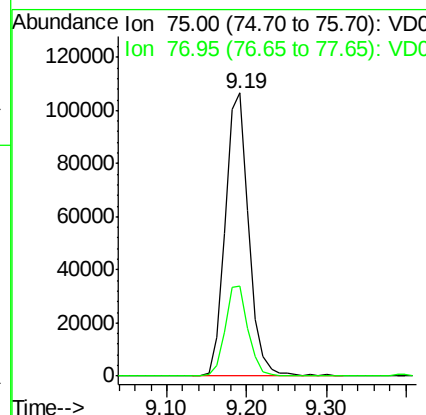
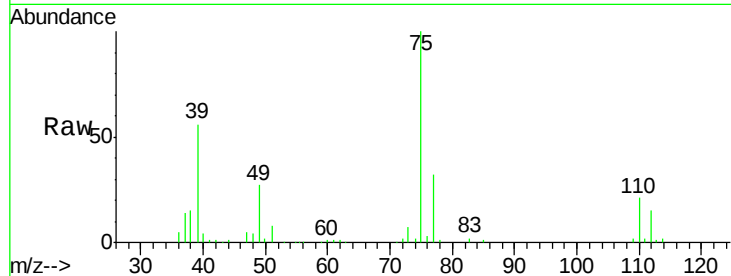




#53
 t-1,3-Dichloropropene
 Concen: 20.903 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

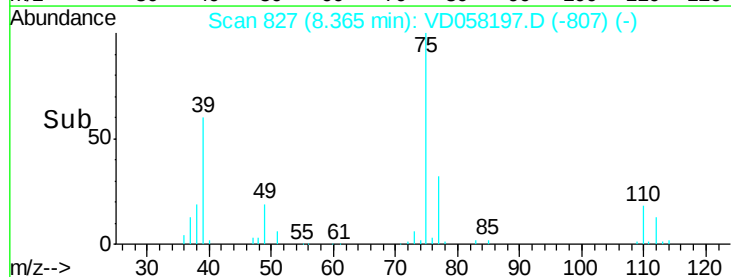
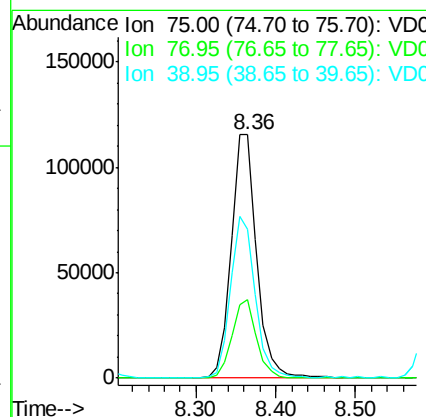
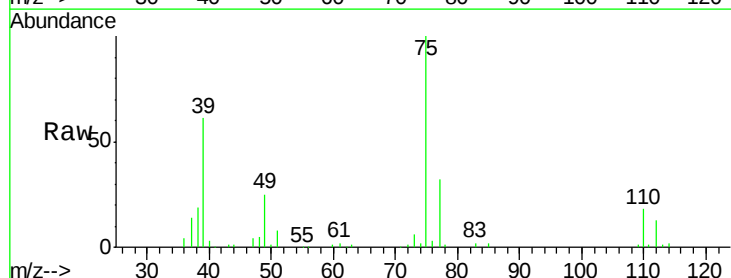
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

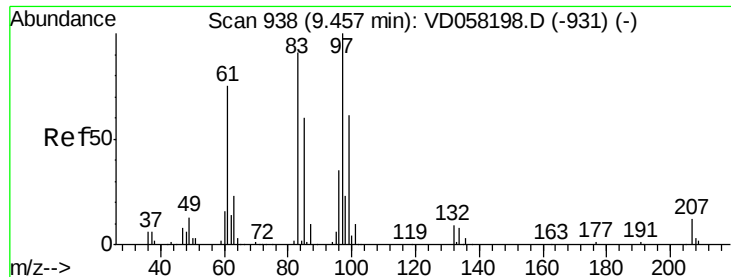
Tgt Ion: 75 Resp: 221453
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.857 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion: 75 Resp: 259596
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7
 39 61.4 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 21.224 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 117209

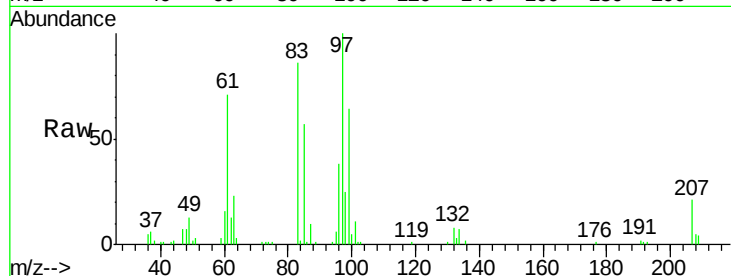
Ion Ratio Lower Upper

97 100

83 85.7 72.9 109.3

85 57.3 48.2 72.4

99 63.7 48.9 73.3

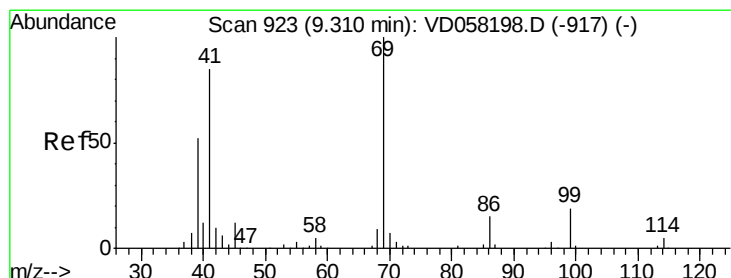
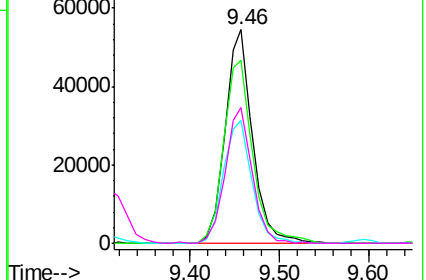
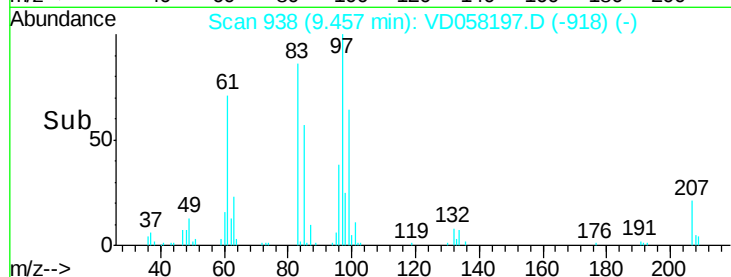


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.436 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

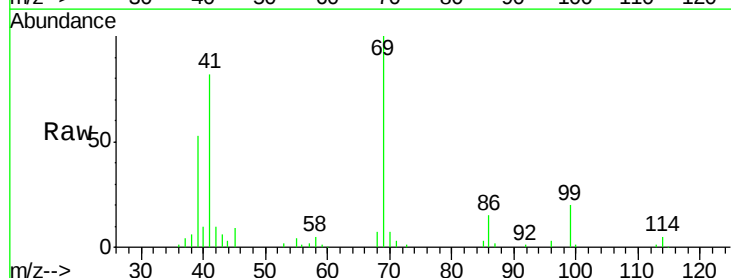
Tgt Ion: 69 Resp: 138635

Ion Ratio Lower Upper

69 100

41 82.2 67.6 101.4

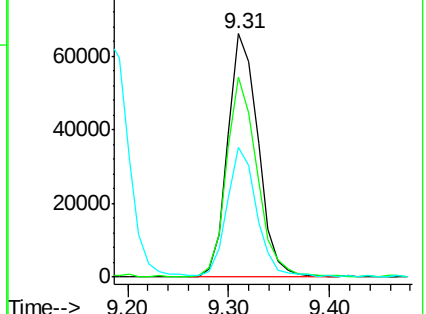
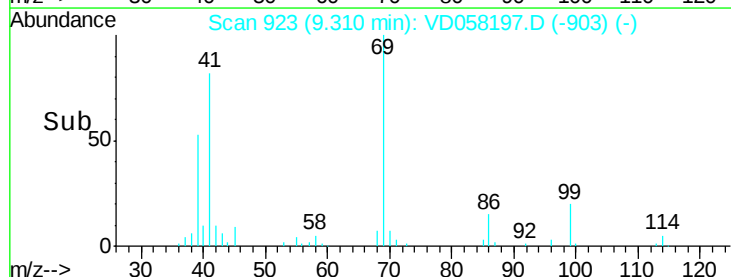
39 53.1 42.2 63.2

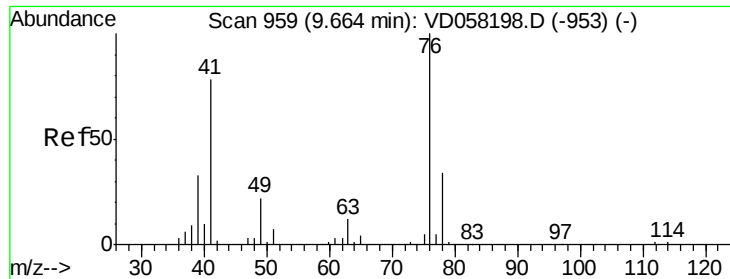


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.180 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

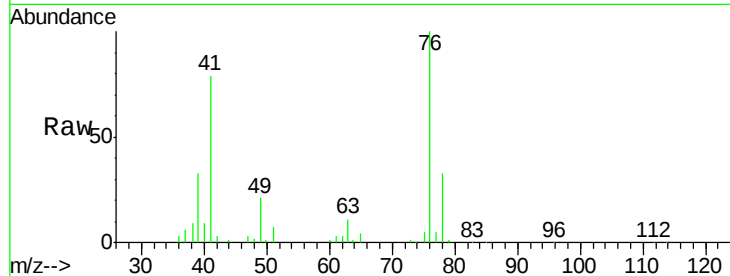
VSTDIC020

Tgt Ion: 76 Resp: 202834

Ion Ratio Lower Upper

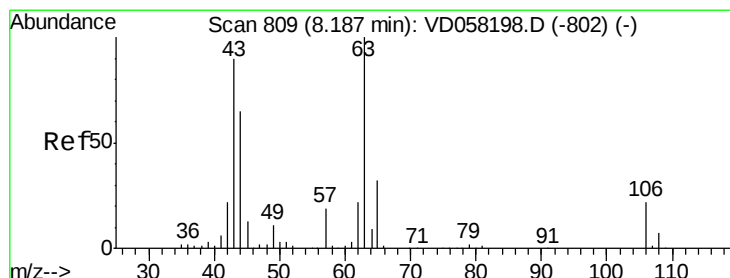
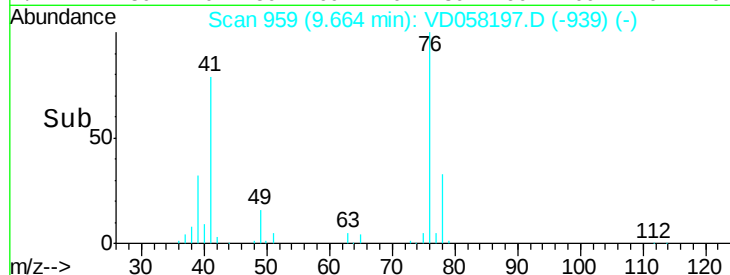
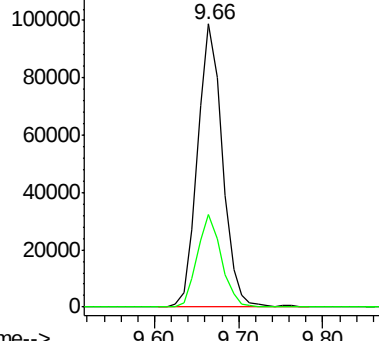
76 100

78 32.9 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.853 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058197.D

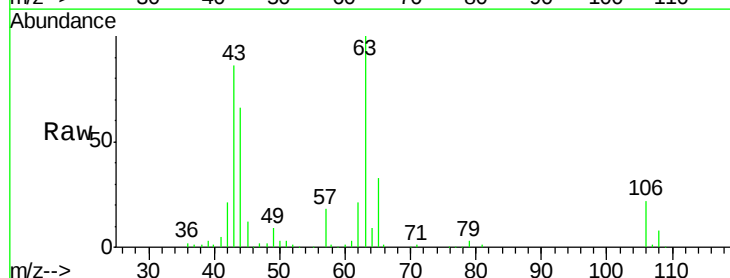
Acq: 19 Jun 2018 16:31

Tgt Ion: 63 Resp: 360735

Ion Ratio Lower Upper

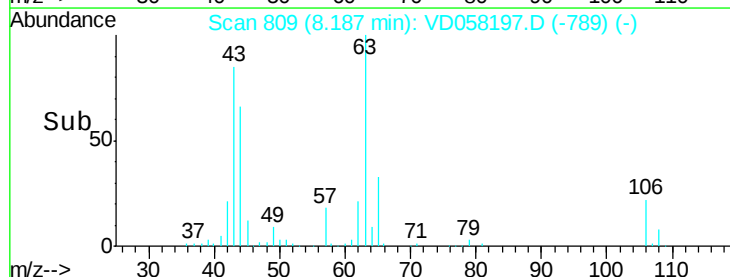
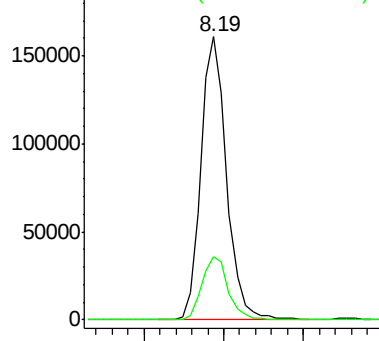
63 100

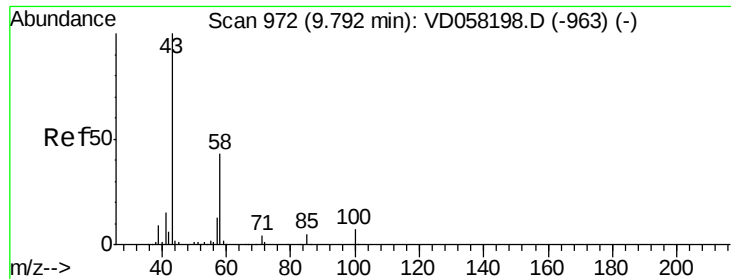
106 22.5 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

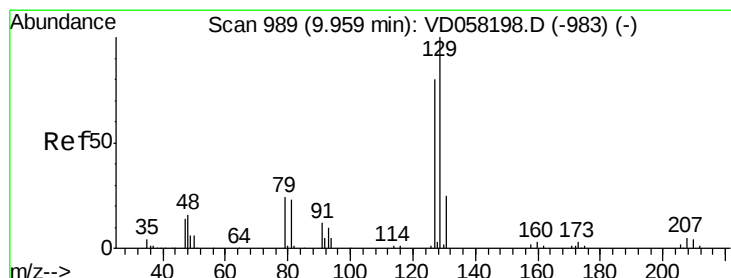
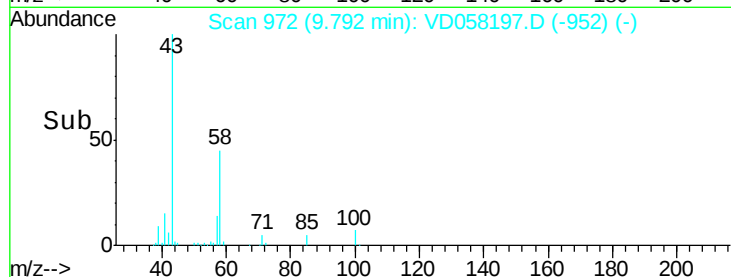
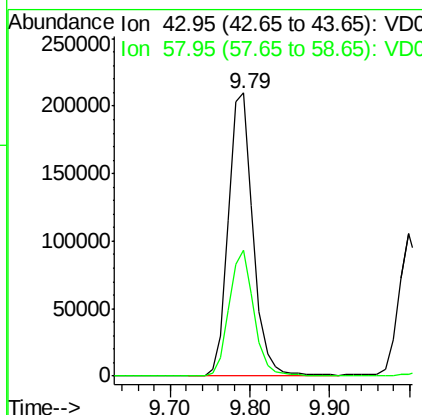
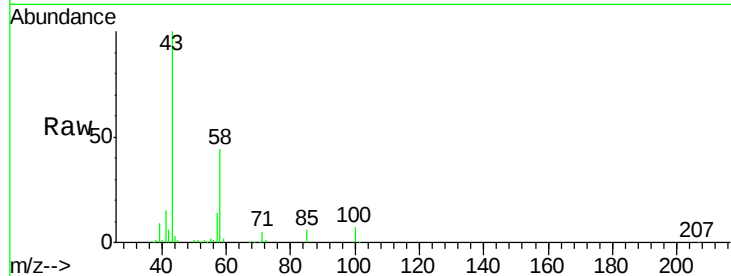




#59
2-Hexanone
Concen: 107.432 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

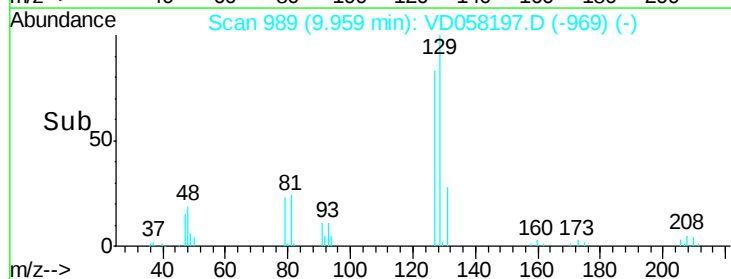
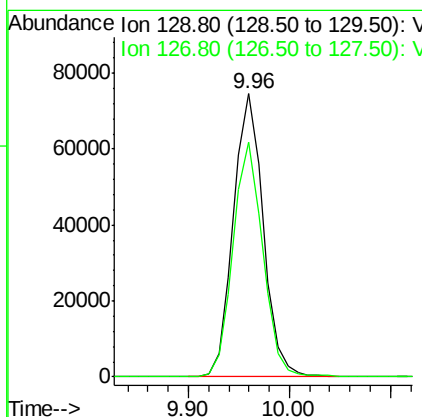
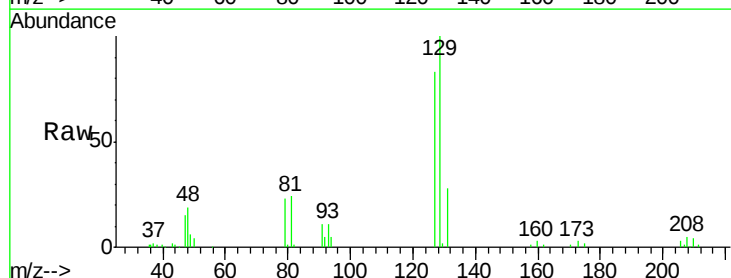
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 458701
Ion Ratio Lower Upper
43 100
58 44.5 21.7 65.1



#60
Dibromochloromethane
Concen: 19.804 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 129 Resp: 153303
Ion Ratio Lower Upper
129 100
127 83.1 39.8 119.4

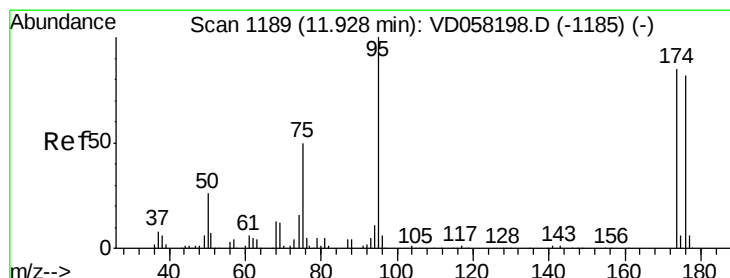
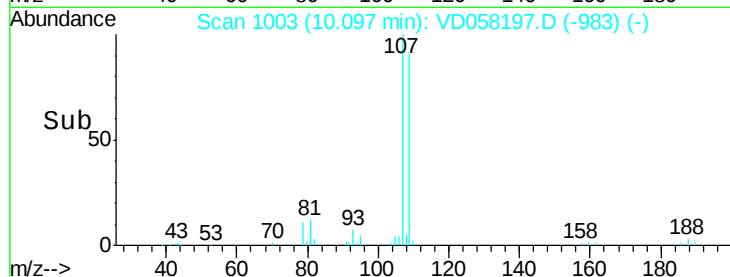
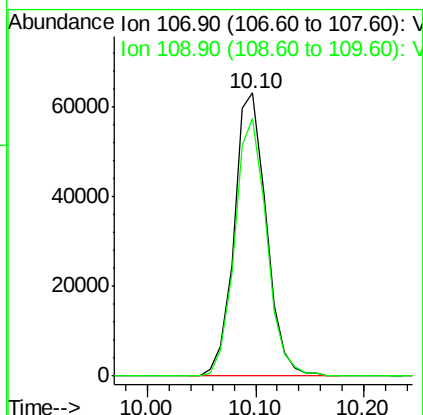
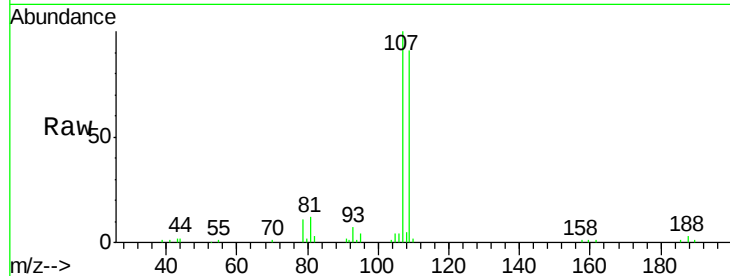




#61
 1,2-Dibromoethane
 Concen: 20.565 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

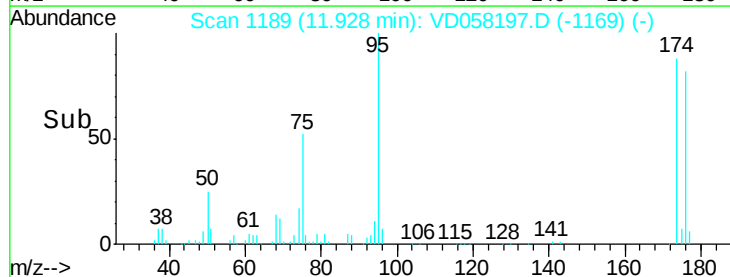
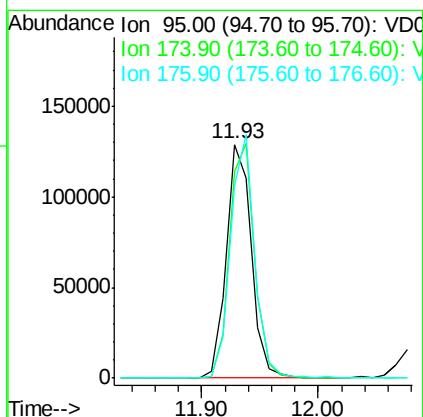
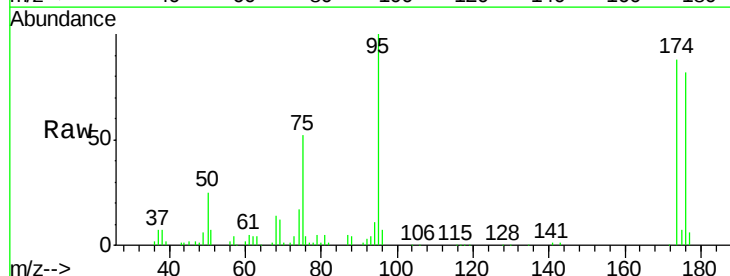
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

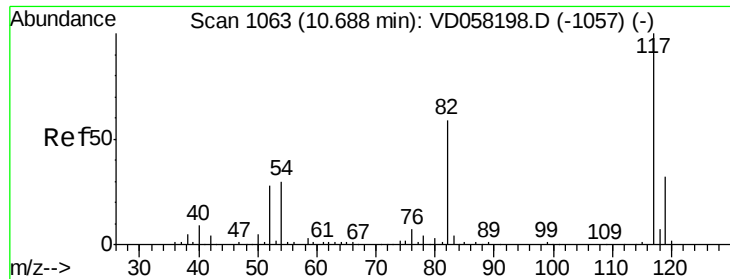
Tgt Ion: 107 Resp: 130337
 Ion Ratio Lower Upper
 107 100
 109 91.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 20.565 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion: 95 Resp: 191504
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 170.2
 176 82.2 0.0 164.6

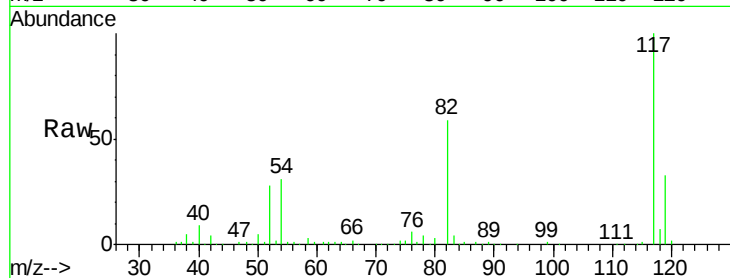




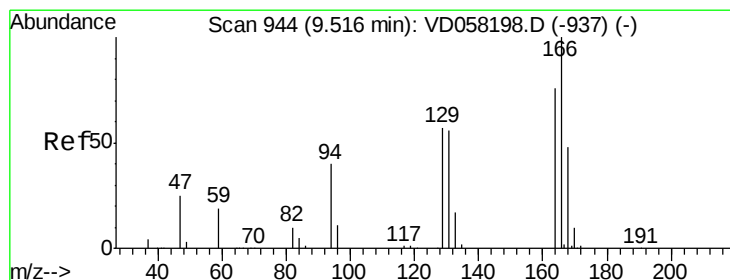
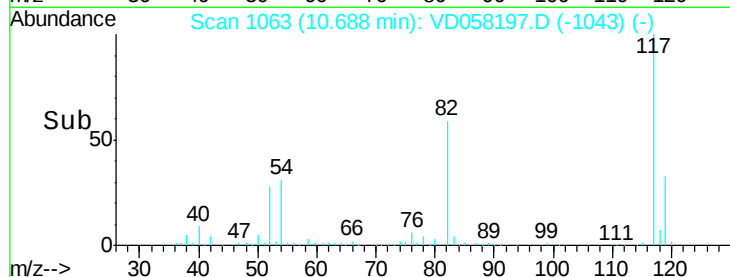
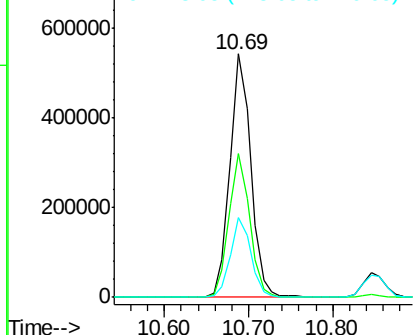
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 939525
Ion Ratio Lower Upper
117 100
82 59.2 47.0 70.6
119 32.6 25.3 37.9



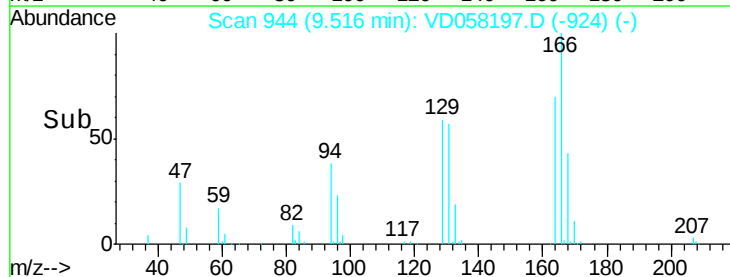
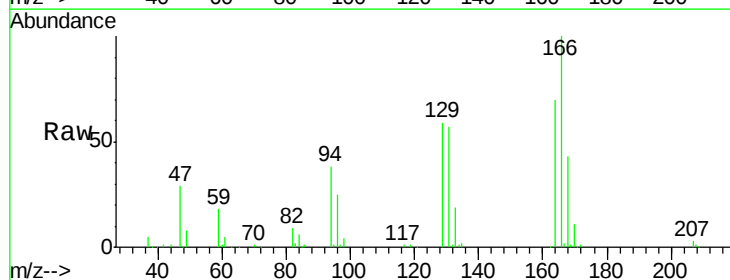
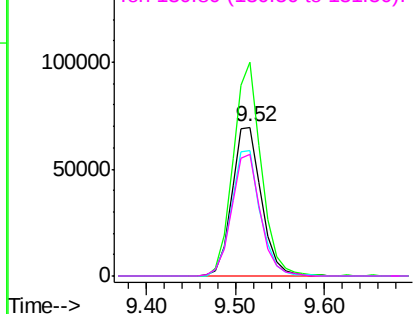
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

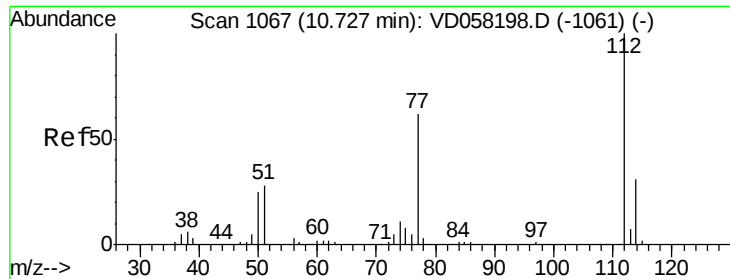


#64
Tetrachloroethene
Concen: 19.358 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion:164 Resp: 160553
Ion Ratio Lower Upper
164 100
166 143.8 105.4 158.0
129 84.8 59.6 89.4
131 82.3 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

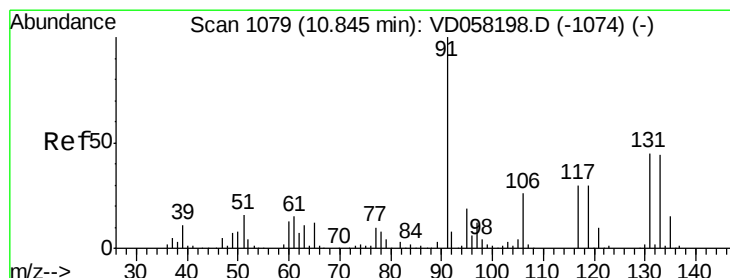
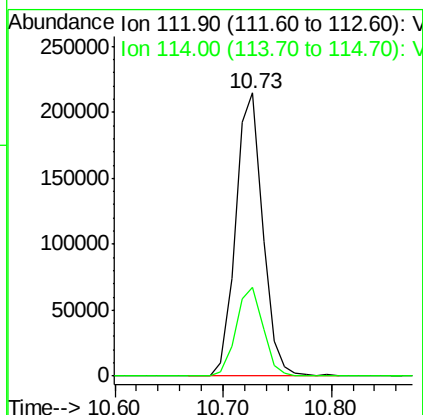
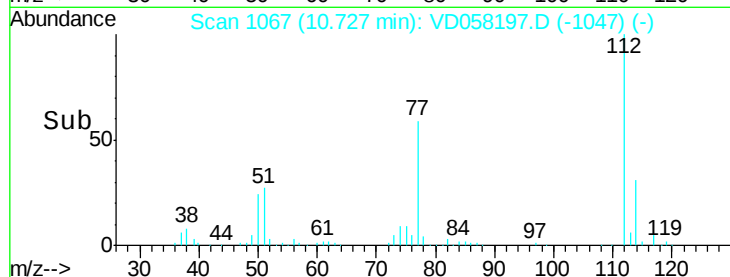
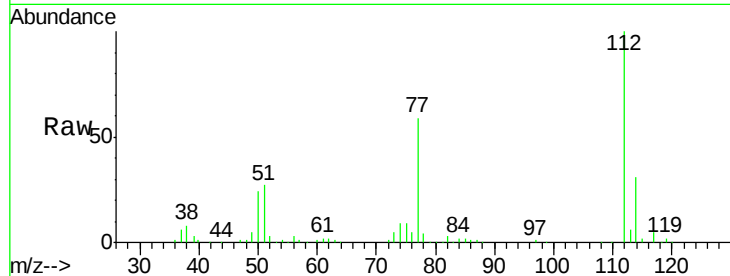




#65
Chlorobenzene
Concen: 20.097 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

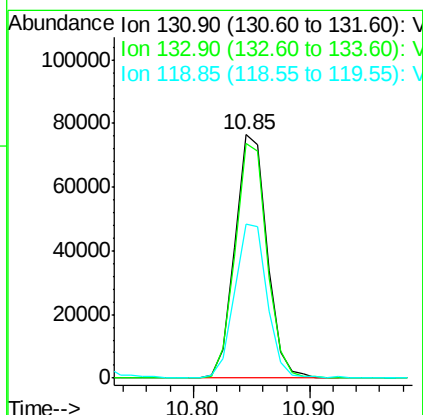
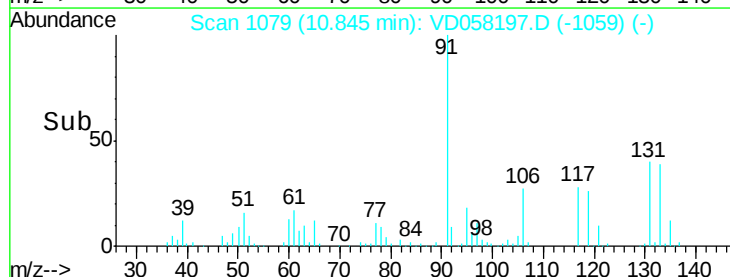
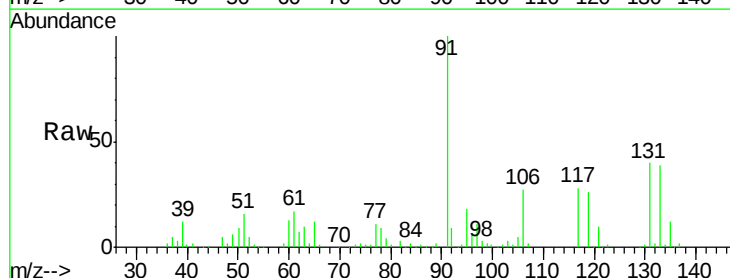
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 375165
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.246 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion:131 Resp: 145472
Ion Ratio Lower Upper
131 100
133 96.3 48.6 145.9
119 63.3 33.0 99.0

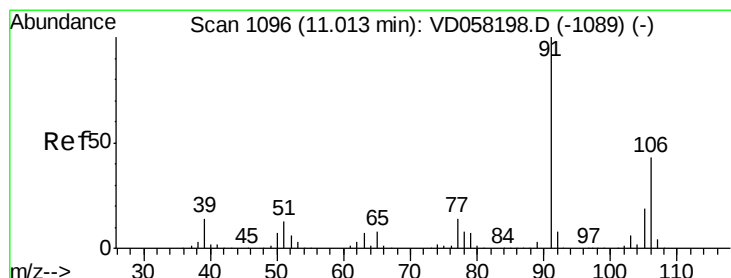
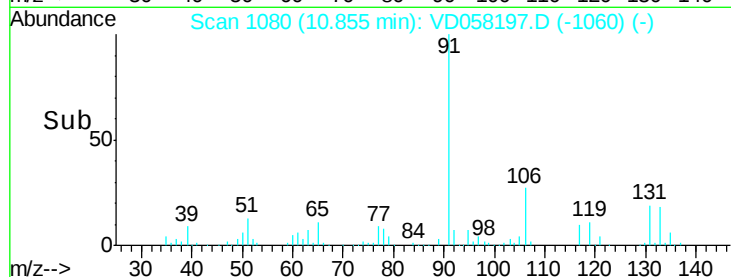
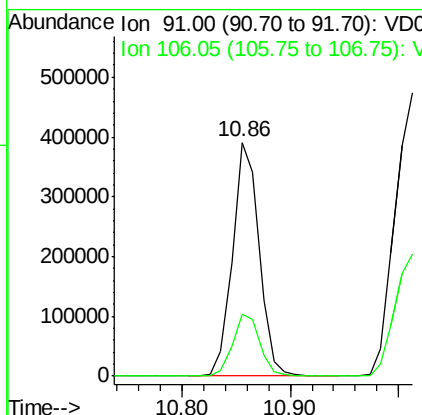
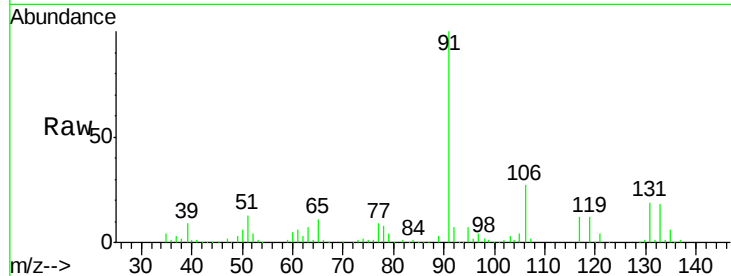




#67
Ethyl Benzene
Concen: 19.863 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

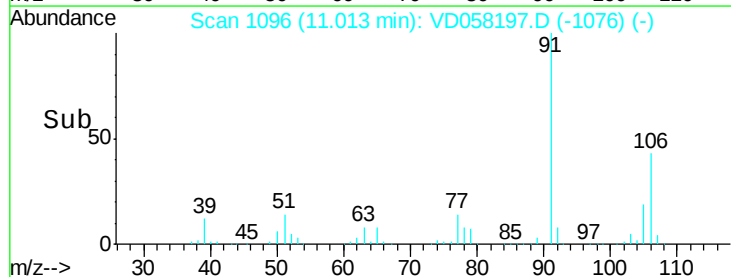
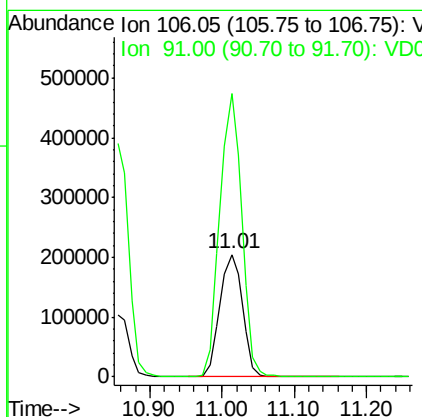
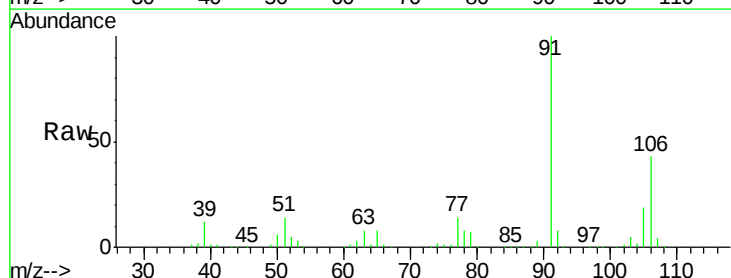
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

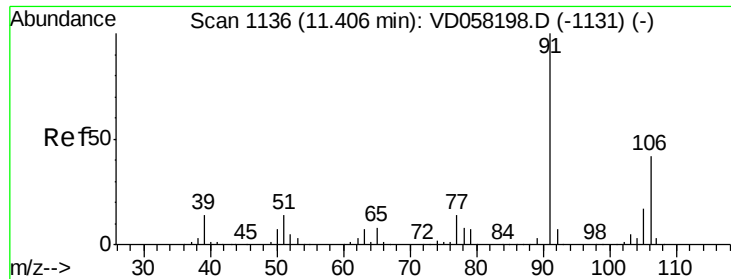
Tgt Ion: 91 Resp: 666737
Ion Ratio Lower Upper
91 100
106 26.8 22.0 33.0



#68
m/p-Xylenes
Concen: 40.664 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 106 Resp: 447546
Ion Ratio Lower Upper
106 100
91 231.6 185.0 277.6

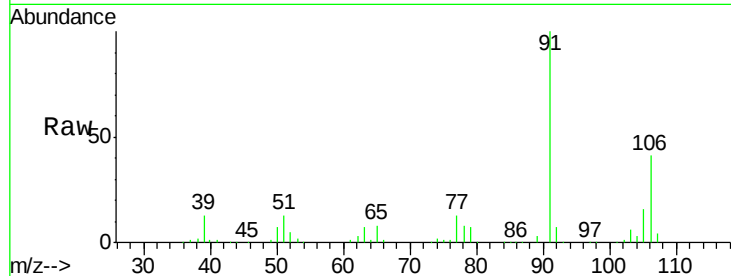




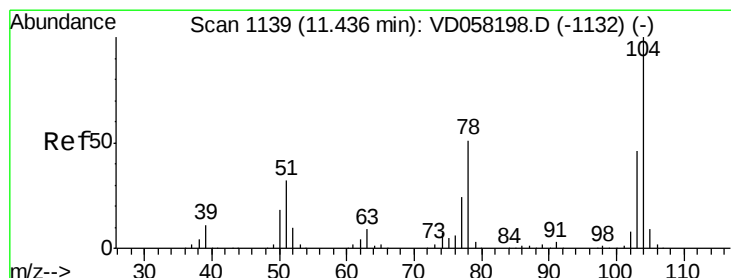
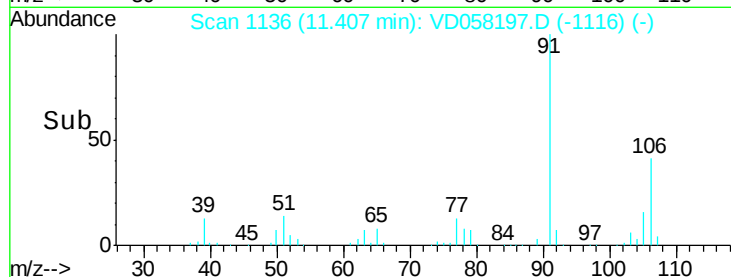
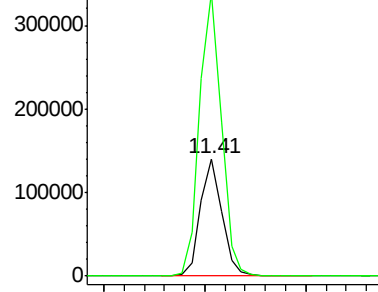
#69
o-Xylene
Concen: 19.332 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 208968
Ion Ratio Lower Upper
106 100
91 241.8 120.2 360.6

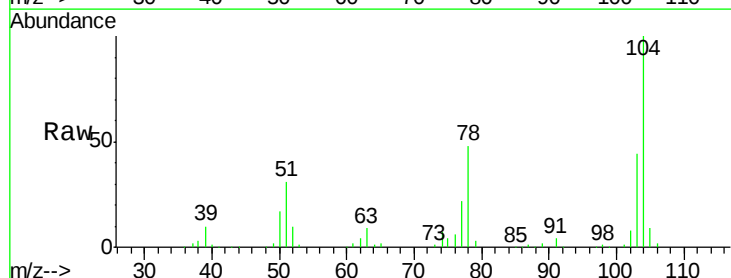


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

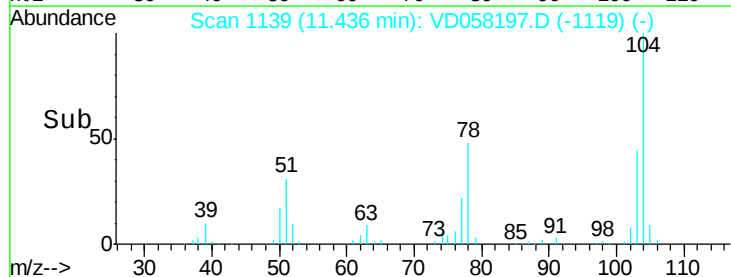
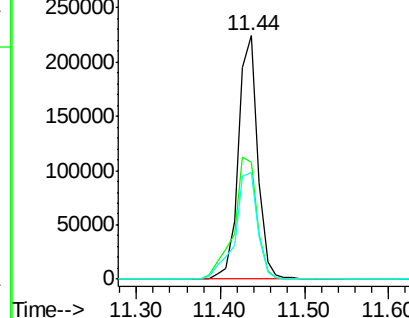


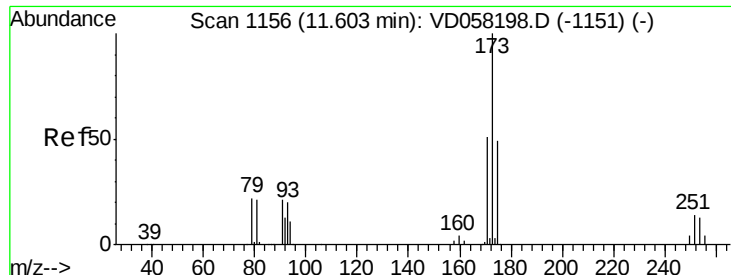
#70
Styrene
Concen: 19.776 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion:104 Resp: 355973
Ion Ratio Lower Upper
104 100
78 48.1 40.8 61.2
103 43.8 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





#71

Bromoform

Concen: 20.466 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

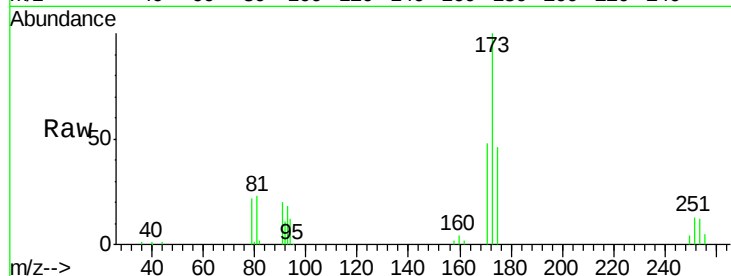
Tgt Ion:173 Resp: 112781

Ion Ratio Lower Upper

173 100

175 46.0 24.6 74.0

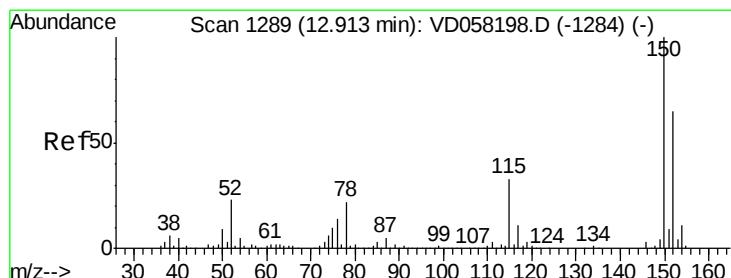
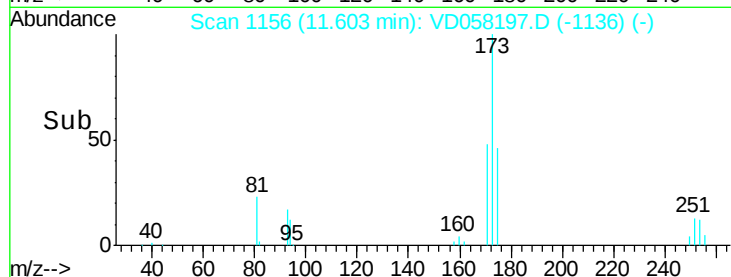
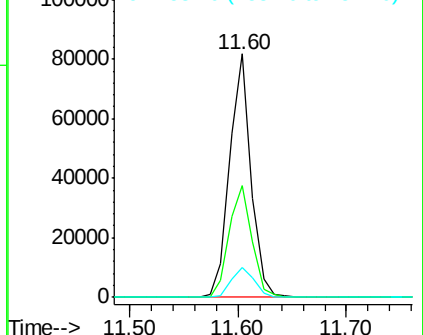
254 12.1 10.3 15.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

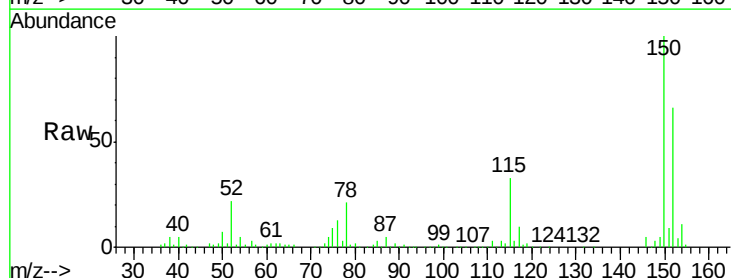
Tgt Ion:152 Resp: 515046

Ion Ratio Lower Upper

152 100

115 50.6 25.1 75.3

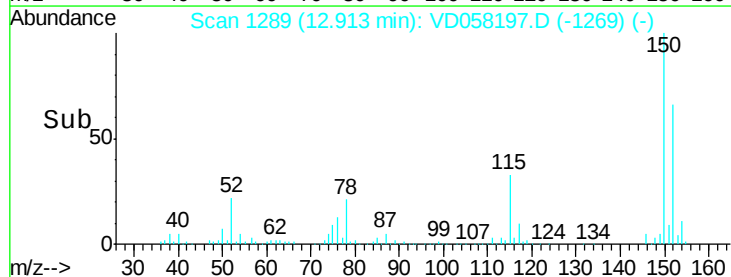
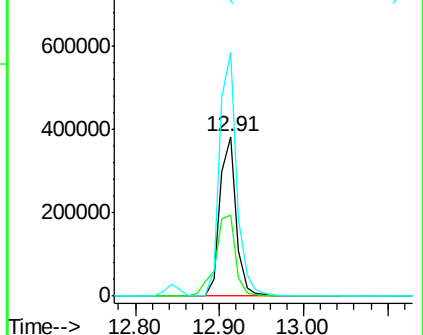
150 152.4 0.0 308.8

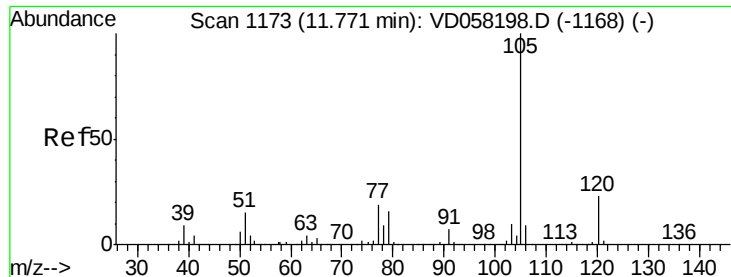


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.035 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

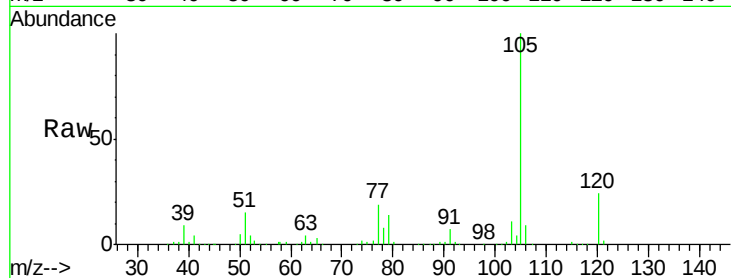
VSTDIC020

Tgt Ion: 105 Resp: 636551

Ion Ratio Lower Upper

105 100

120 23.7 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

400000

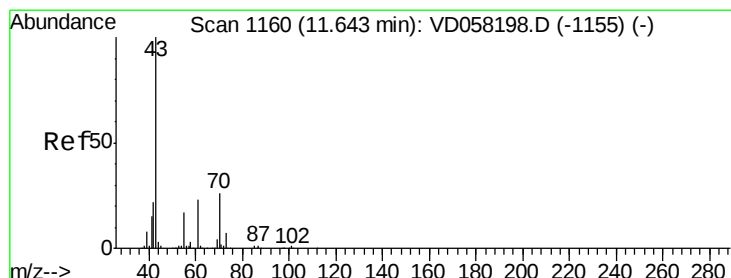
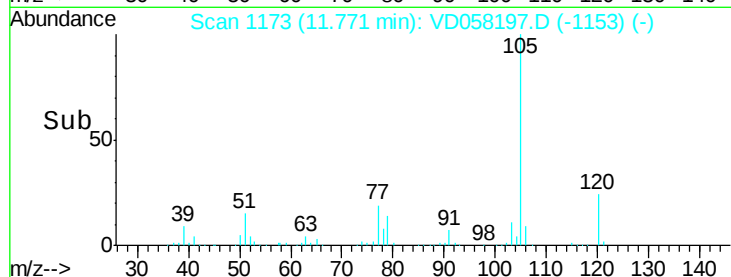
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.480 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Tgt Ion: 43 Resp: 242156

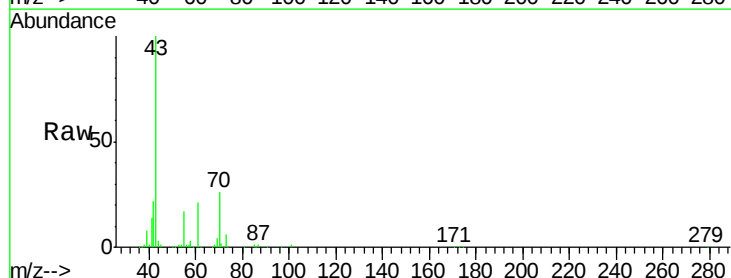
Ion Ratio Lower Upper

43 100

70 25.9 20.9 31.3

55 17.1 13.5 20.3

61 21.2 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

11.64

250000

200000

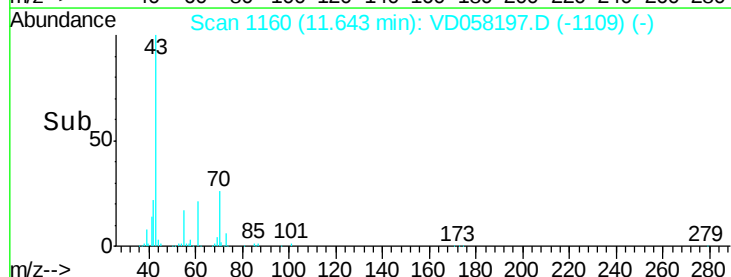
150000

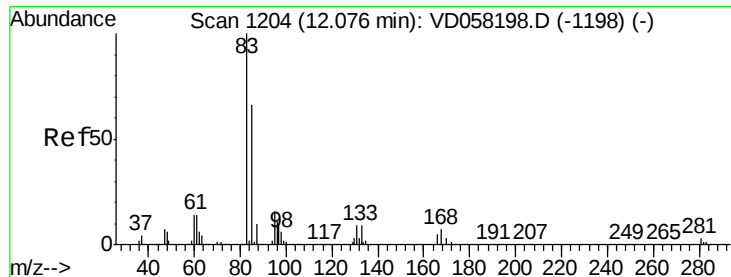
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.923 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

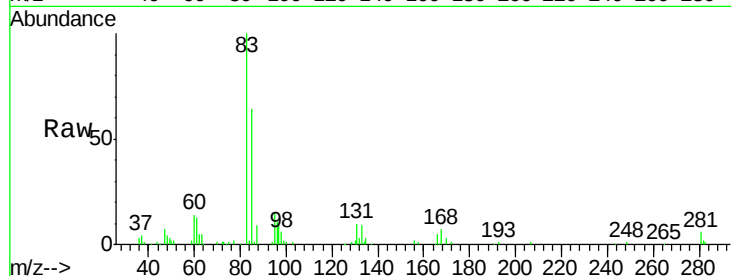
Tgt Ion: 83 Resp: 141376

Ion Ratio Lower Upper

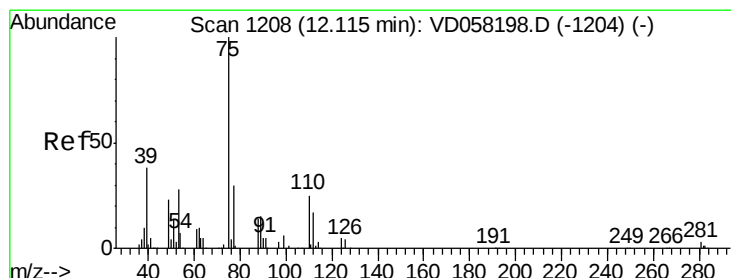
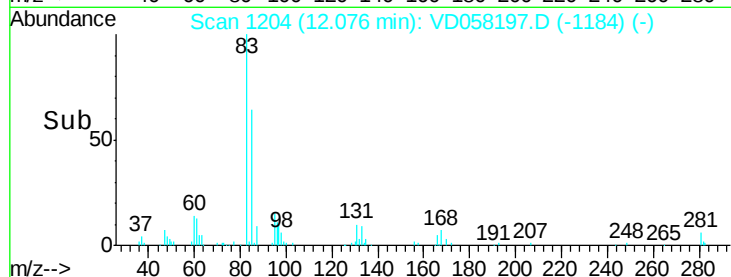
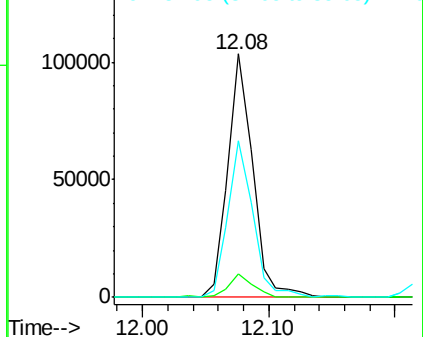
83 100

131 9.6 4.8 14.3

85 64.4 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: 20.286 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058197.D

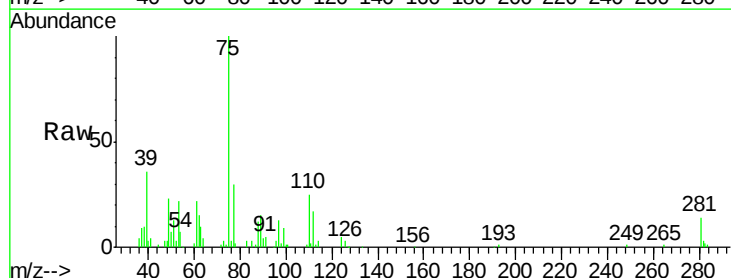
Acq: 19 Jun 2018 16:31

Tgt Ion: 75 Resp: 157725

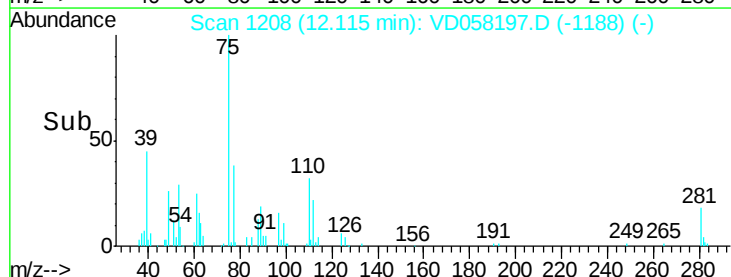
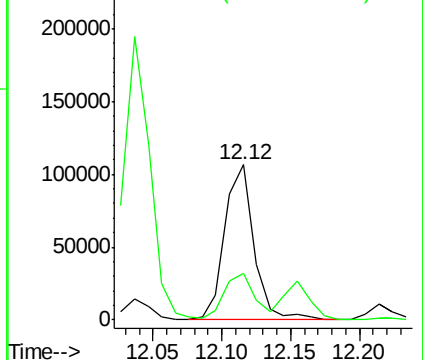
Ion Ratio Lower Upper

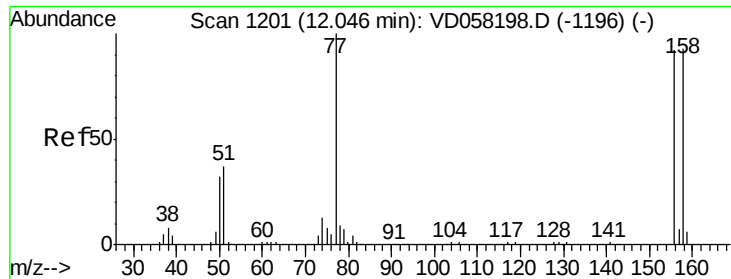
75 100

77 30.0 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

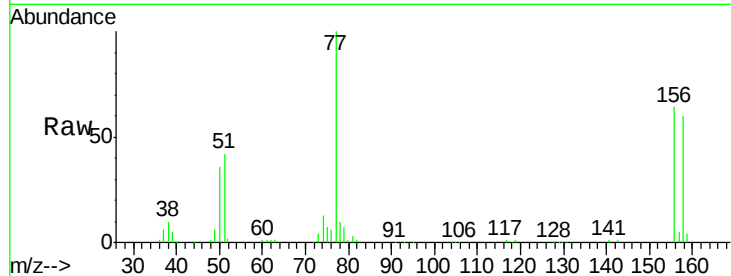




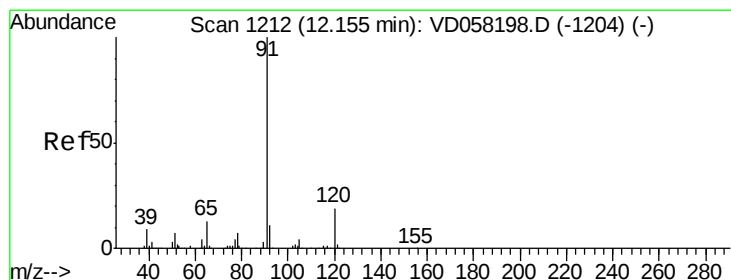
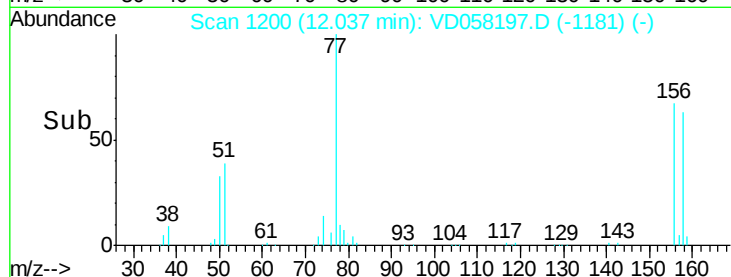
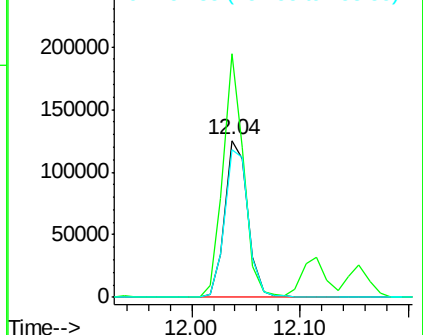
#77
Bromobenzene
Concen: 18.653 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:156 Resp: 185250
Ion Ratio Lower Upper
156 100
77 155.1 54.5 163.6
158 93.7 50.8 152.5

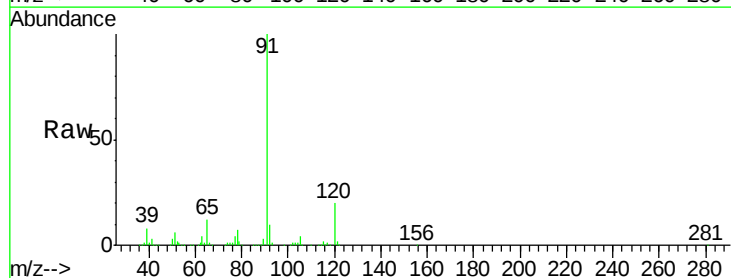


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

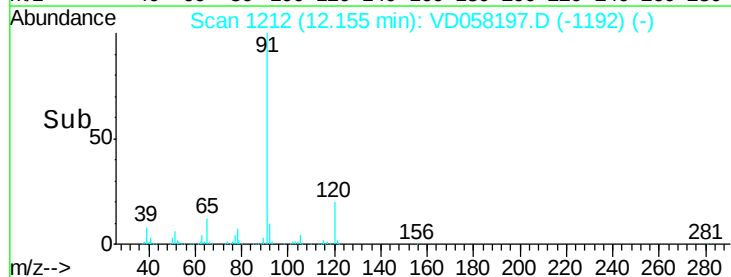
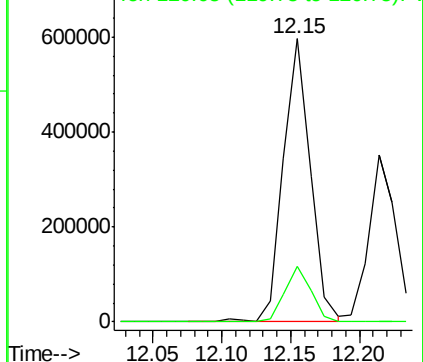


#78
n-propylbenzene
Concen: 18.478 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 91 Resp: 808375
Ion Ratio Lower Upper
91 100
120 19.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

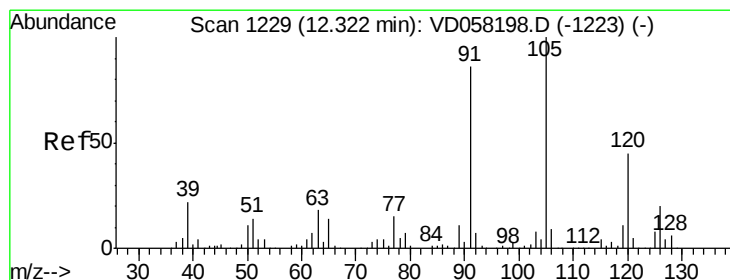
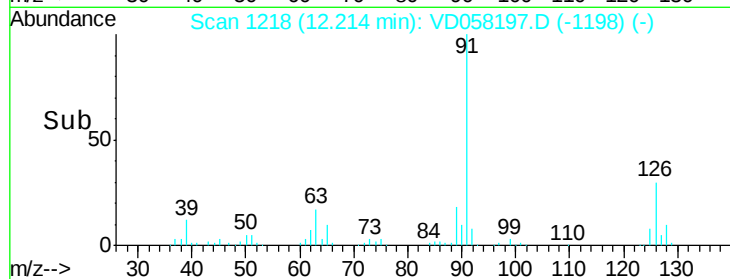
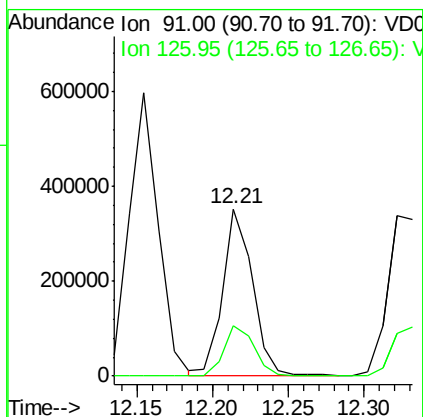
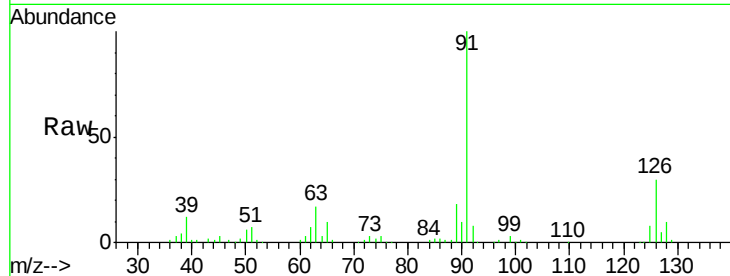




#79
 2-Chlorotoluene
 Concen: 19.162 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

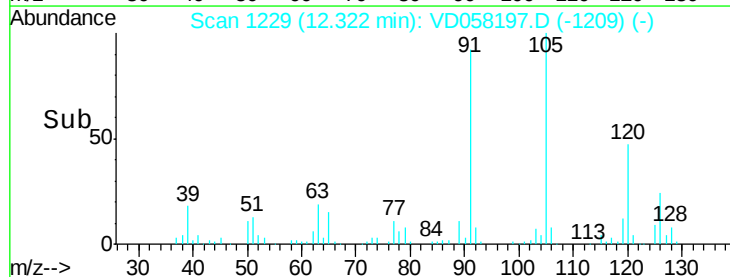
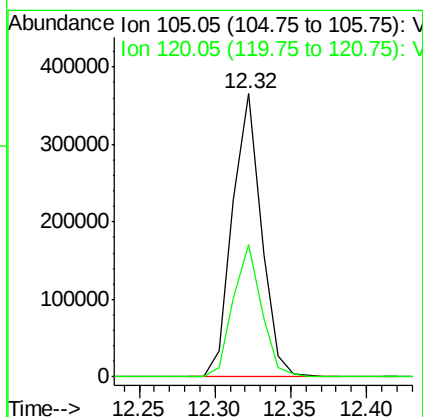
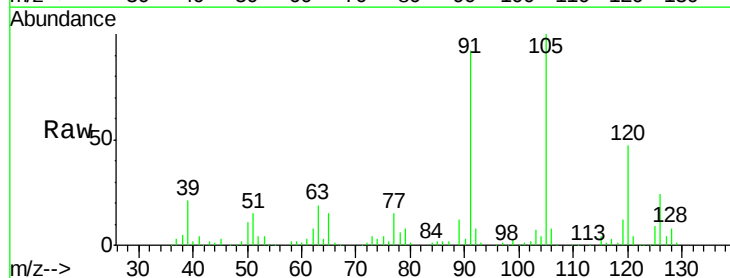
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 477607
 Ion Ratio Lower Upper
 91 100
 126 30.1 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 18.415 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion: 105 Resp: 484666
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.563 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

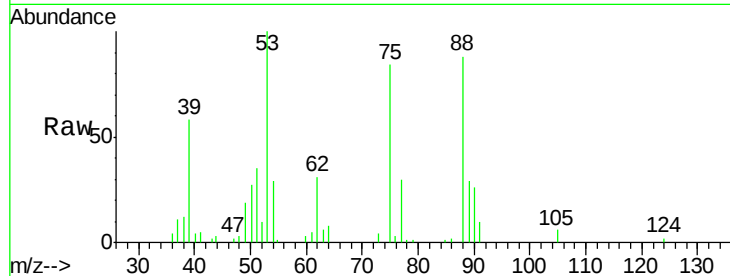
Tgt Ion: 75 Resp: 37461

Ion Ratio Lower Upper

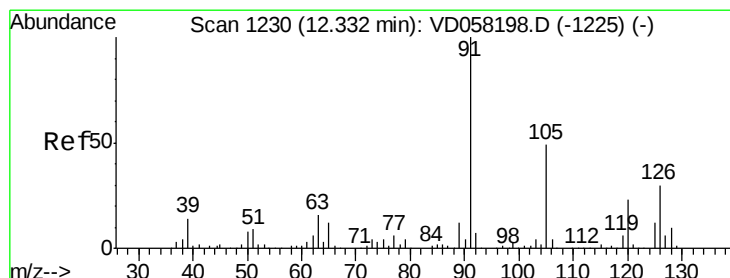
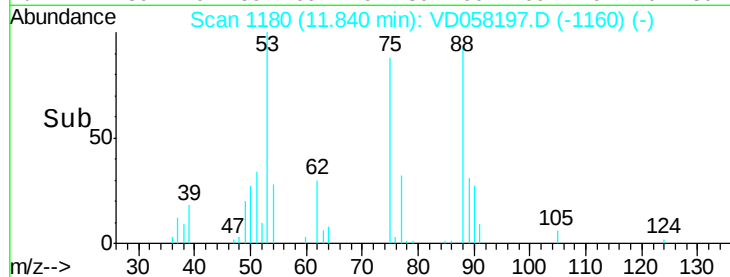
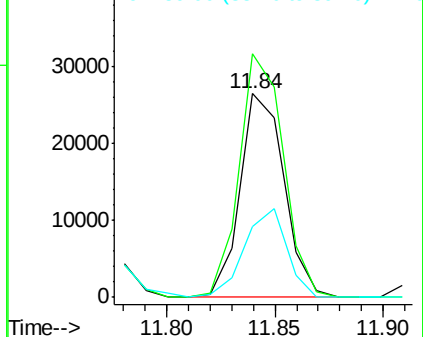
75 100

53 119.7 100.8 151.2

89 34.8 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: 19.248 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058197.D

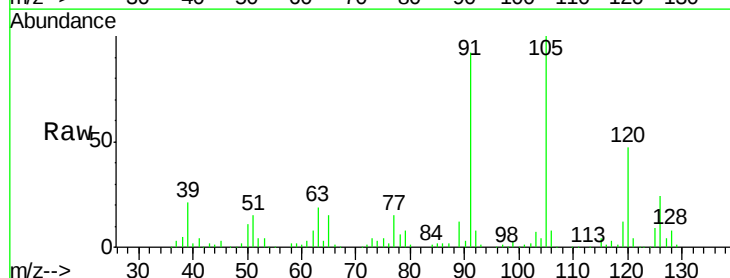
Acq: 19 Jun 2018 16:31

Tgt Ion: 91 Resp: 529413

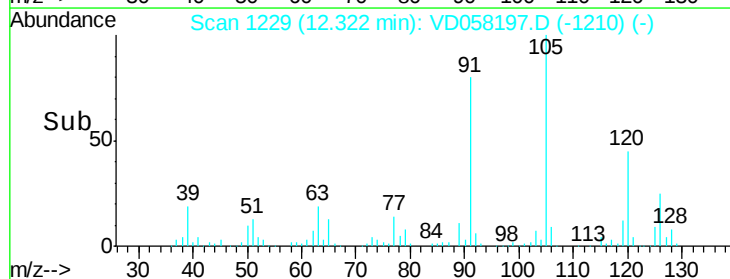
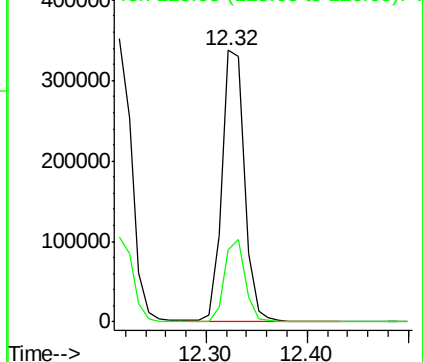
Ion Ratio Lower Upper

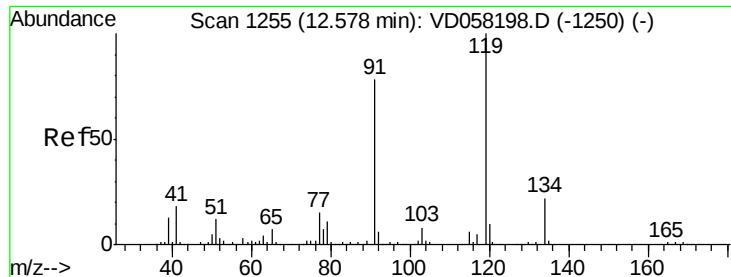
91 100

126 26.4 14.9 44.9



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

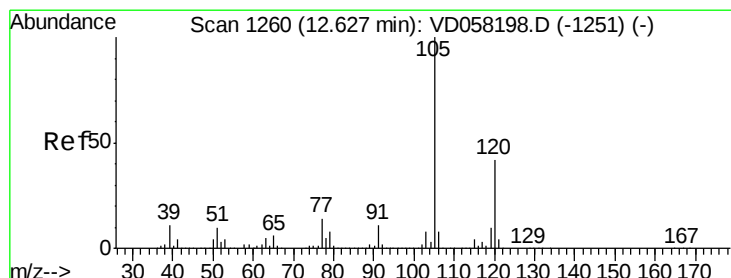
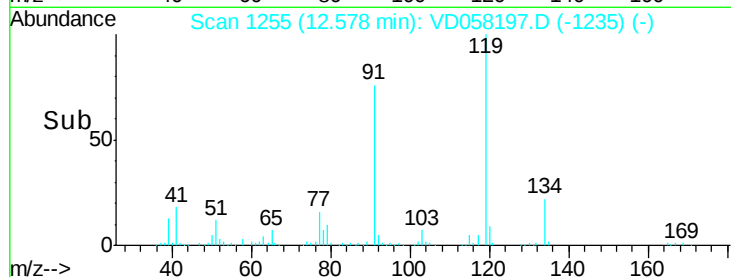
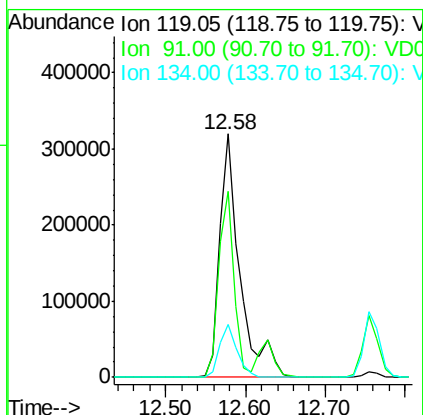
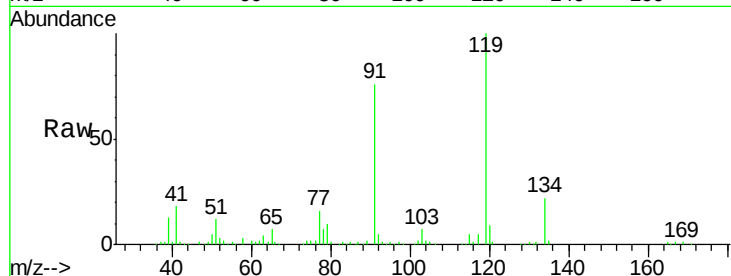




#83
 tert-Butylbenzene
 Concen: 19.327 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

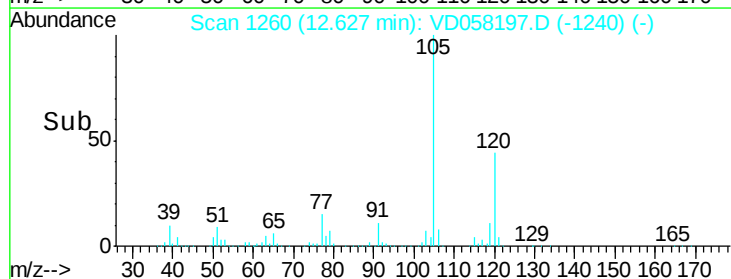
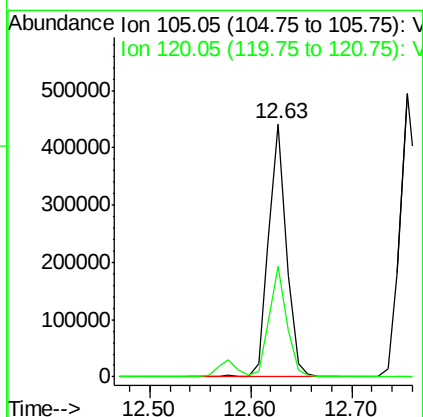
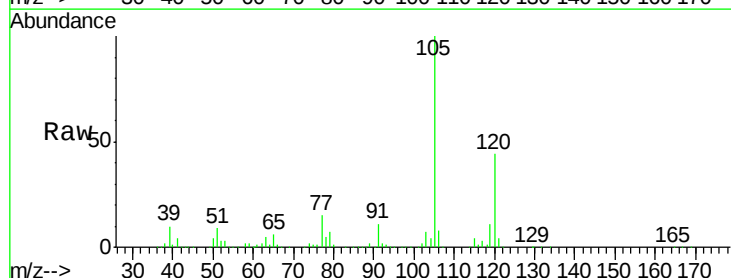
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

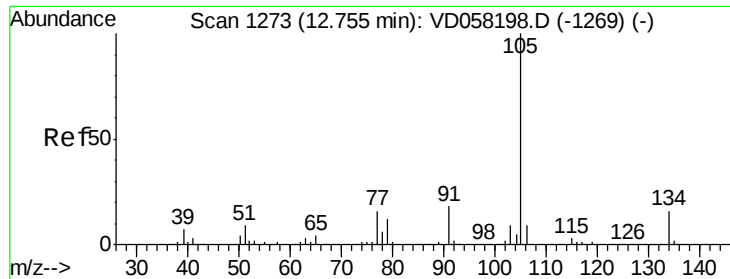
Tgt Ion:119 Resp: 572176
 Ion Ratio Lower Upper
 119 100
 91 76.4 38.9 116.6
 134 22.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.169 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion:105 Resp: 538909
 Ion Ratio Lower Upper
 105 100
 120 43.7 20.8 62.4

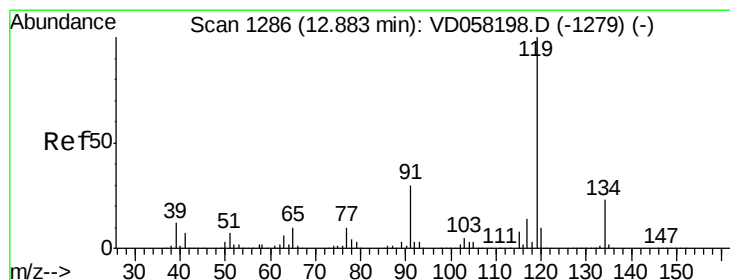
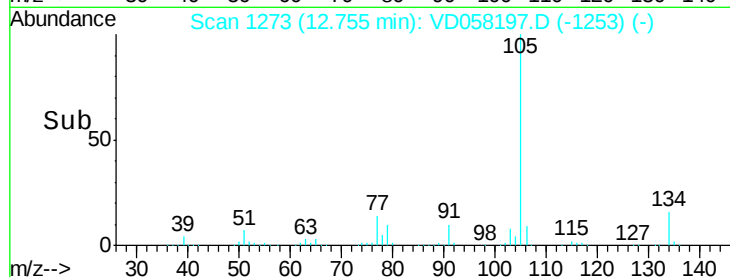
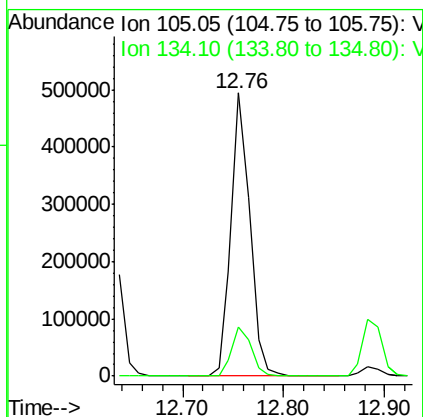
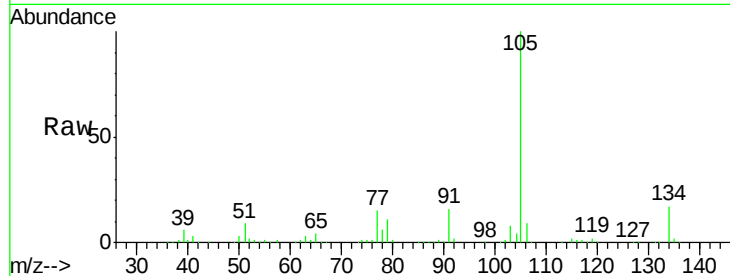




#85
 sec-Butylbenzene
 Concen: 17.864 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

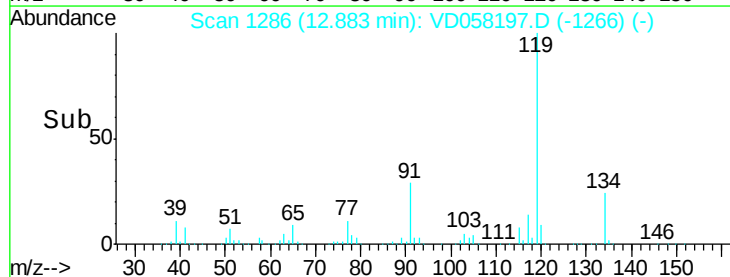
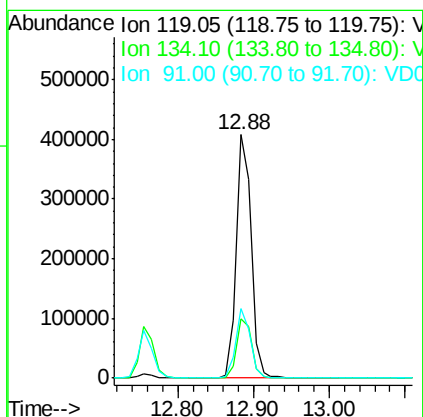
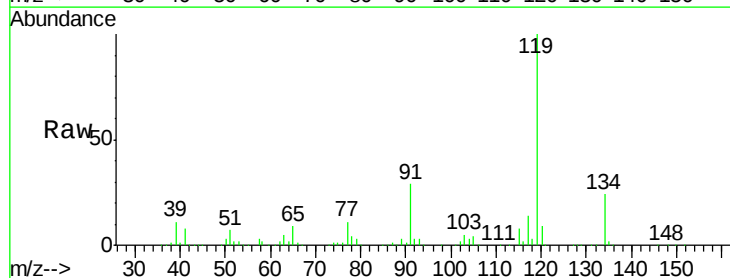
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 638915
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 19.095 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion:119 Resp: 546784
 Ion Ratio Lower Upper
 119 100
 134 24.2 11.6 34.8
 91 28.7 15.0 45.1

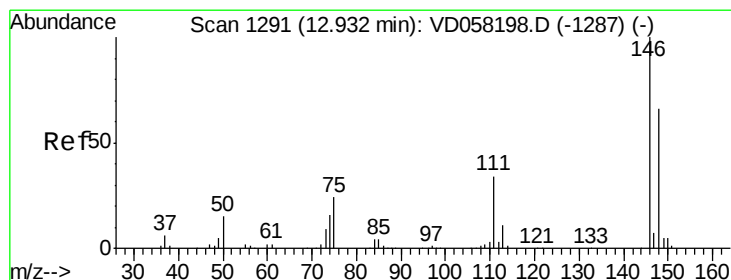
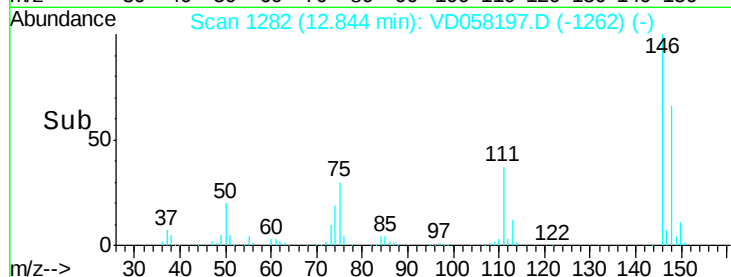
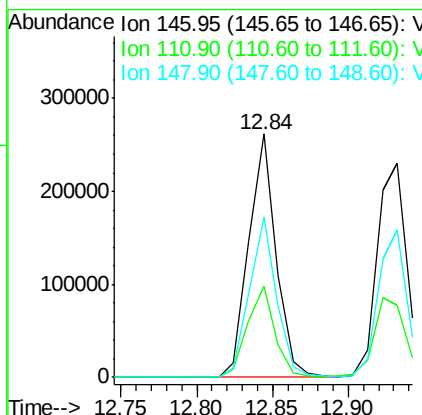
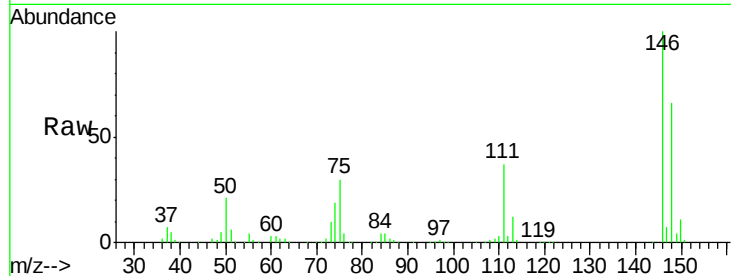




#87
 1,3-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

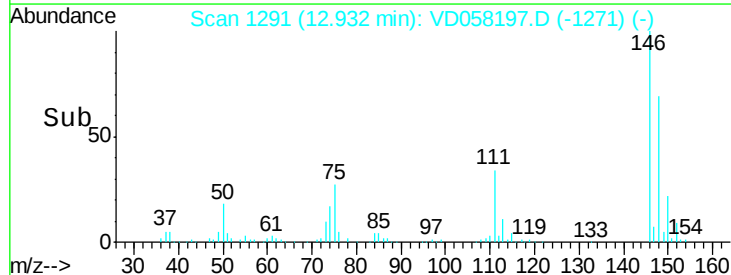
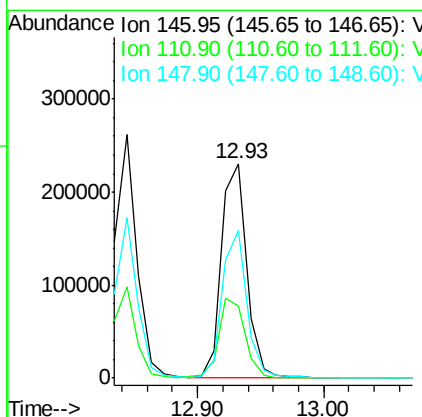
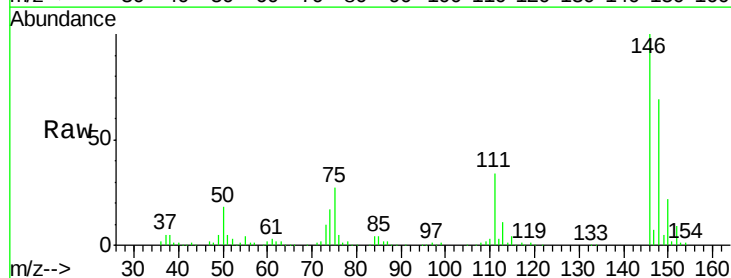
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

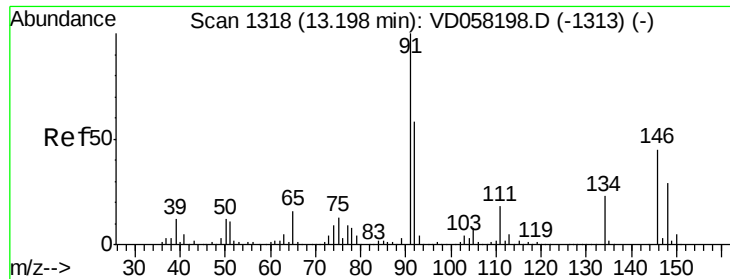
Tgt Ion:146 Resp: 328886
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.4 55.0
 148 65.8 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 19.263 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion:146 Resp: 318744
 Ion Ratio Lower Upper
 146 100
 111 33.6 17.2 51.5
 148 69.0 33.1 99.3

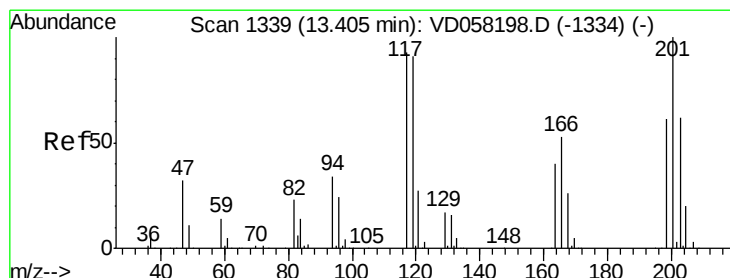
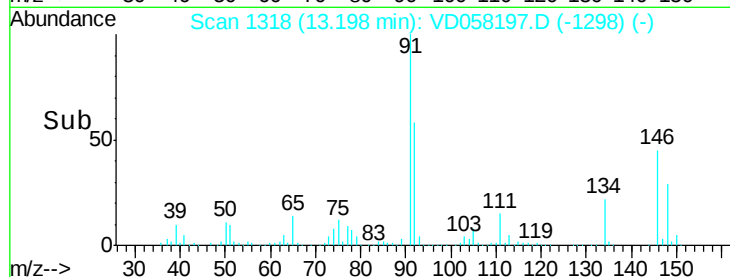
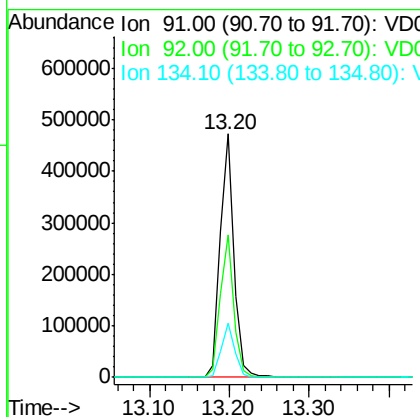
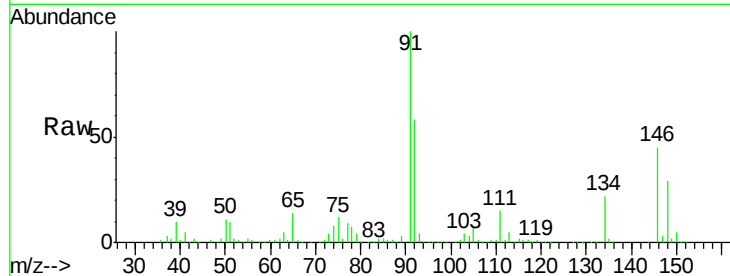




#89
n-Butylbenzene
Concen: 19.496 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

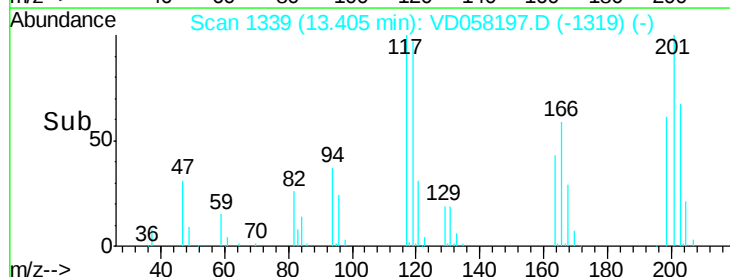
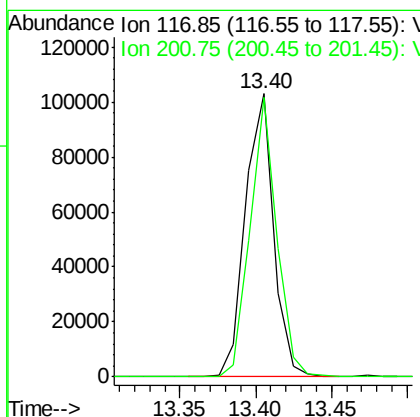
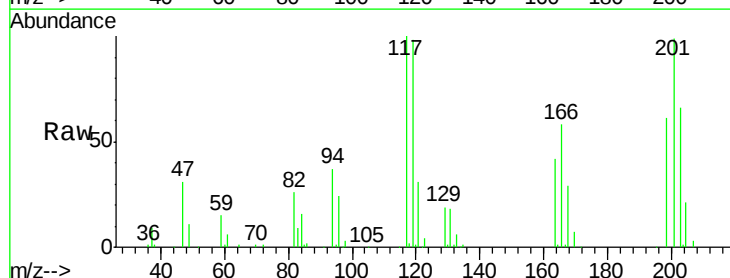
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

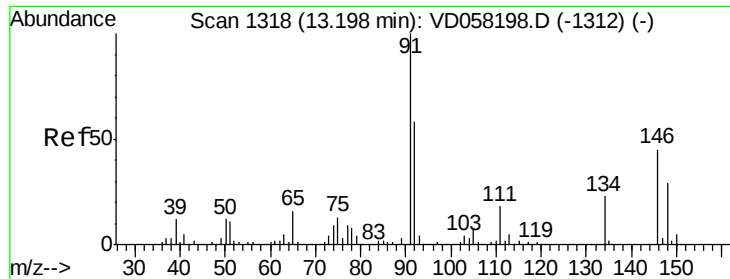
Tgt Ion: 91 Resp: 581030
Ion Ratio Lower Upper
91 100
92 58.3 29.2 87.6
134 22.5 11.3 33.8



#90
Hexachloroethane
Concen: 18.156 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058197.D
Acq: 19 Jun 2018 16:31

Tgt Ion: 117 Resp: 133467
Ion Ratio Lower Upper
117 100
201 98.9 53.8 161.4

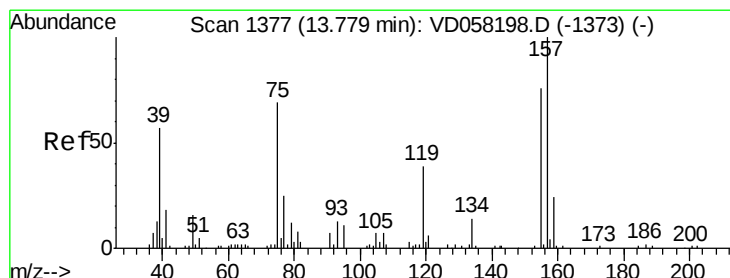
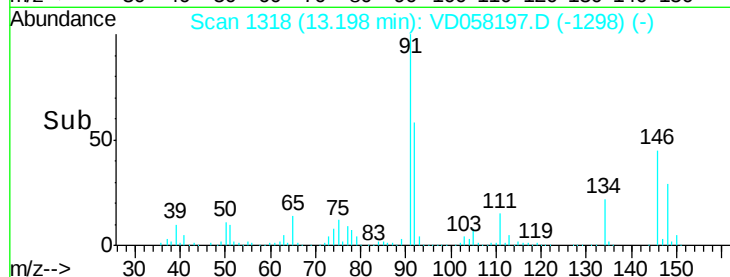
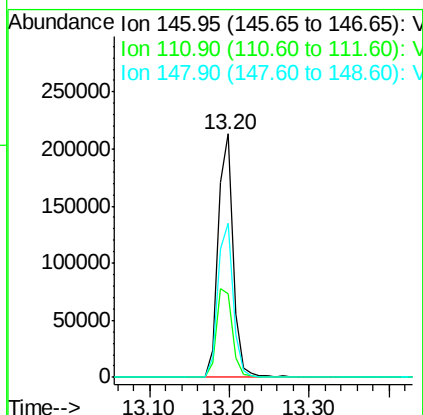
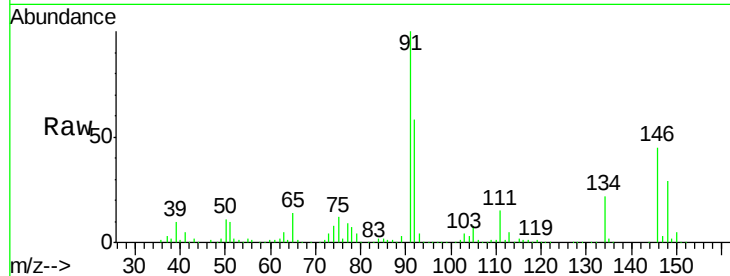




#91
 1,2-Dichlorobenzene
 Concen: 20.543 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

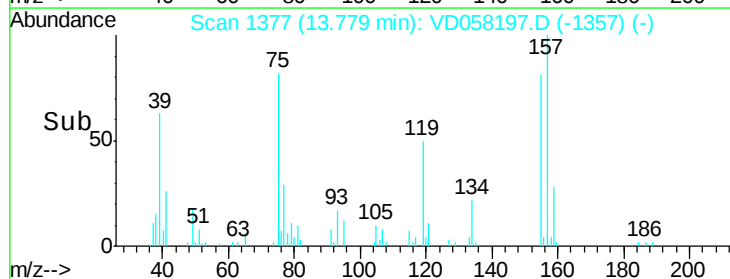
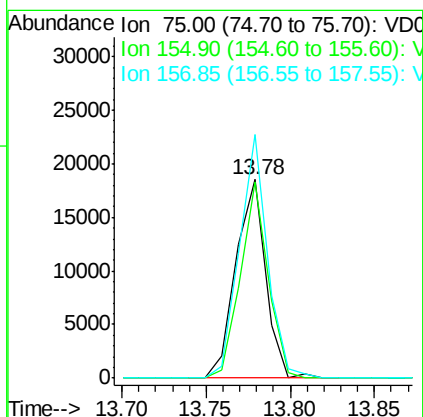
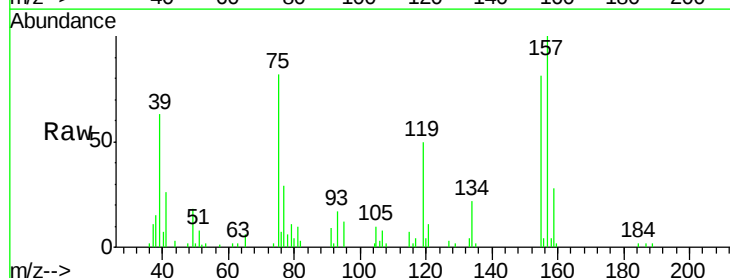
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 285215
 Ion Ratio Lower Upper
 146 100
 111 34.3 19.6 58.7
 148 63.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.634 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion: 75 Resp: 22682
 Ion Ratio Lower Upper
 75 100
 155 98.7 54.5 163.5
 157 122.6 72.0 215.9

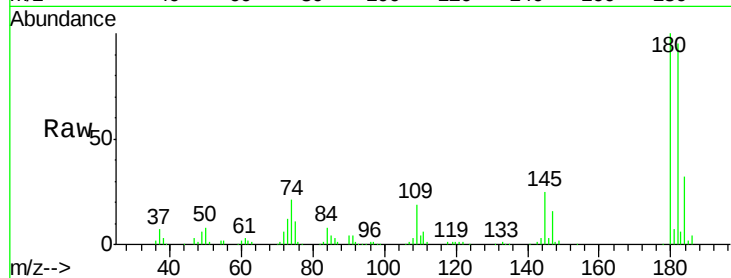




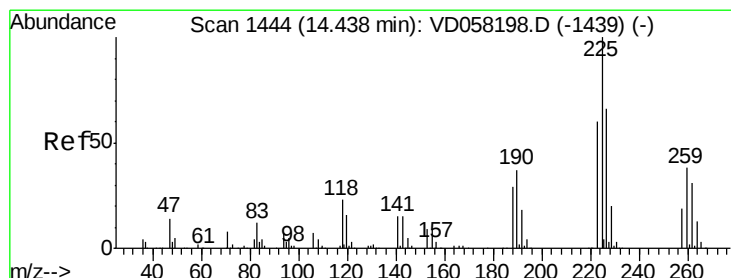
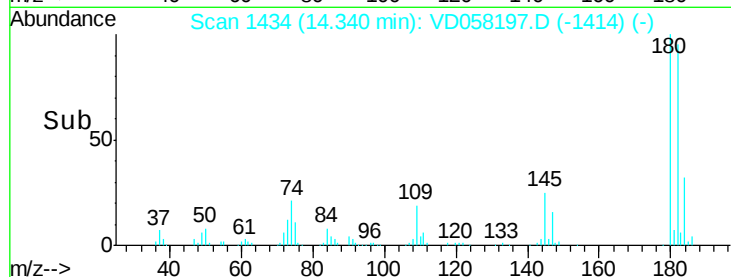
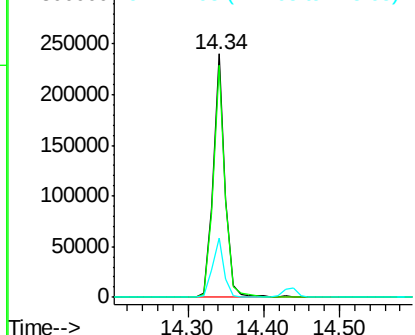
#93
 1,2,4-Trichlorobenzene
 Concen: 20.738 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 268430
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.1 141.3
 145 24.6 11.7 35.0

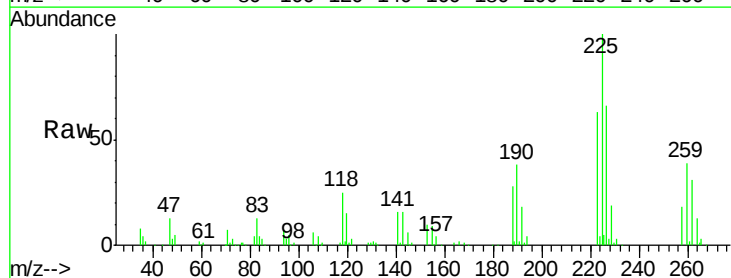


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

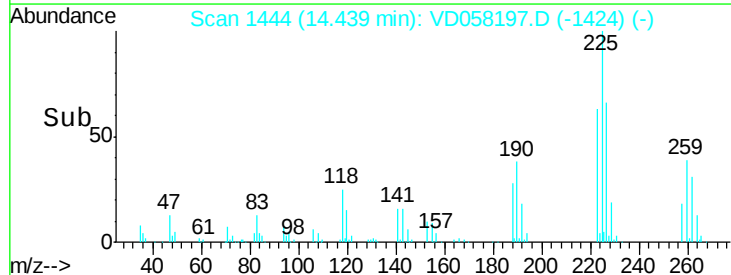
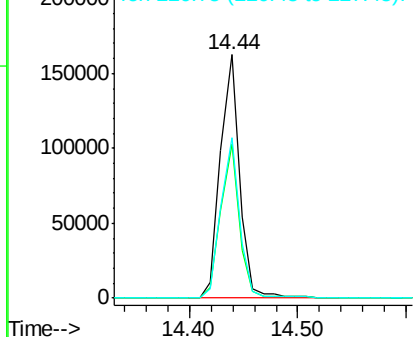


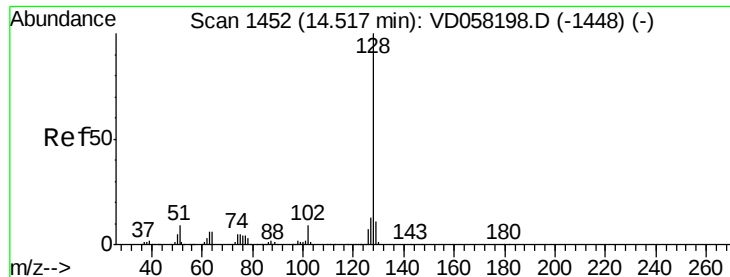
#94
 Hexachlorobutadiene
 Concen: 20.033 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058197.D
 Acq: 19 Jun 2018 16:31

Tgt Ion:225 Resp: 202162
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.1 90.3
 227 65.8 33.0 98.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.275 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

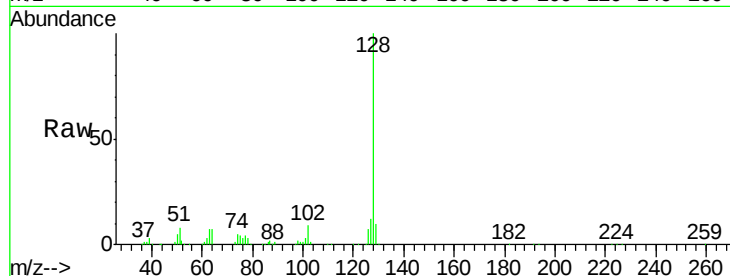
Tgt Ion:128 Resp: 361340

Ion Ratio Lower Upper

128 100

127 12.0 10.0 15.0

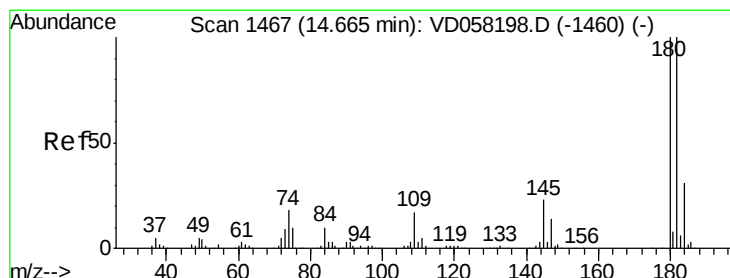
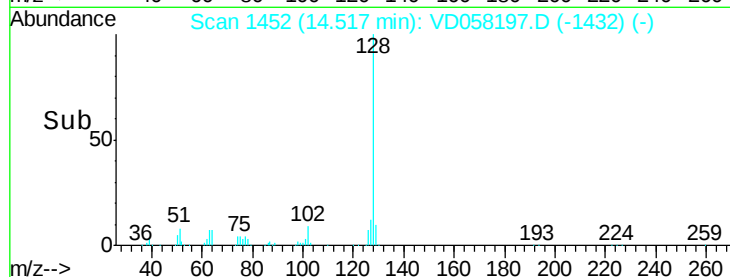
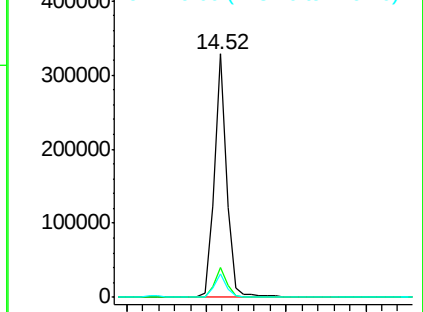
129 9.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.508 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058197.D

Acq: 19 Jun 2018 16:31

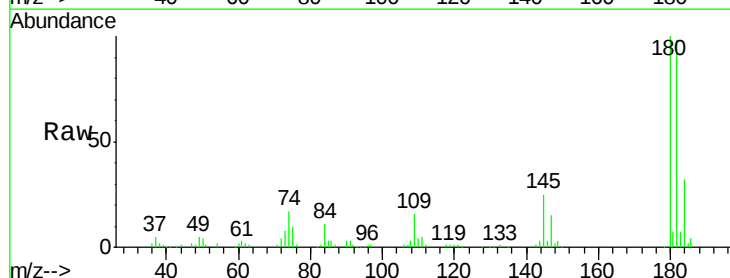
Tgt Ion:180 Resp: 227390

Ion Ratio Lower Upper

180 100

182 97.9 49.9 149.6

145 24.8 11.7 35.1



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

