

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
 Data File : VD060392.D
 Acq On : 16 Nov 2018 12:25
 Operator : JC/SY
 Sample : VD1116SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Quant Time: Nov 16 13:25:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1644349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	2265330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1810197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	926869	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.82	65	566520	48.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	6.35	113	842591	49.88	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	9.47	98	2431439	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.44	95	881803	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.61	85	318311	22.13	ug/l	97
3) Chloromethane	1.78	50	335495	21.54	ug/l	97
4) Vinyl Chloride	1.88	62	279550	21.98	ug/l	99
5) Bromomethane	2.17	94	51771	17.15	ug/l	96
6) Chloroethane	2.28	64	80496	19.07	ug/l	99
7) Trichlorofluoromethane	2.54	101	316610	21.11	ug/l	99
8) Diethyl Ether	2.85	74	58034	21.37	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.12	101	216431	21.94	ug/l	97
10) Methyl Iodide	3.27	142	237947	18.57	ug/l	100
11) Tert butyl alcohol	3.99	59	48945	101.24	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	175821	21.91	ug/l	87
13) Acrolein	3.01	56	45884	80.32	ug/l	89
14) Allyl chloride	3.57	41	324692	21.15	ug/l	98
15) Acrylonitrile	4.12	53	267502	94.88	ug/l	98
16) Acetone	3.19	43	206492	101.11	ug/l	100
17) Carbon Disulfide	3.34	76	514739	19.88	ug/l	98
18) Methyl Acetate	3.59	43	88113	20.23	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	466071	19.40	ug/l	98
20) Methylene Chloride	3.76	84	436528	24.10	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	362058	20.32	ug/l	98
22) Diisopropyl ether	4.89	45	1169447	20.39	ug/l	99
23) Vinyl Acetate	4.84	43	2863339	100.33	ug/l	100
24) 1,1-Dichloroethane	4.79	63	606022	20.60	ug/l	99
25) 2-Butanone	5.65	43	405637	95.56	ug/l	97
26) 2,2-Dichloropropane	5.62	77	496885	21.73	ug/l	97
27) cis-1,2-Dichloroethene	5.63	96	384079	20.70	ug/l	97
28) Bromochloromethane	5.95	49	259188	19.97	ug/l	97
29) Tetrahydrofuran	5.98	42	213633	95.45	ug/l	99
30) Chloroform	6.13	83	604576	20.56	ug/l	99
31) Cyclohexane	6.39	56	565691	20.12	ug/l	97
32) 1,1,1-Trichloroethane	6.33	97	507356	20.48	ug/l	97
36) 1,1-Dichloropropene	6.55	75	467809	20.90	ug/l	100
37) Ethyl Acetate	5.73	43	195742	19.01	ug/l	95
38) Carbon Tetrachloride	6.53	117	433217	20.87	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	530389	20.60	ug/l	100
40) Benzene	6.82	78	1204461	21.08	ug/l	99
41) Methacrylonitrile	5.97	41	226728	19.24	ug/l	100
42) 1,2-Dichloroethane	6.93	62	295727	19.78	ug/l	97
43) Isopropyl Acetate	8.37	43	239837	18.54	ug/l #	95
44) Trichloroethene	7.76	130	357387	20.64	ug/l	100
45) 1,2-Dichloropropane	8.13	63	301330	20.91	ug/l	92
46) Dibromomethane	8.24	93	167566	19.86	ug/l	96
47) Bromodichloromethane	8.52	83	402151	20.22	ug/l	99
48) Methyl methacrylate	8.27	41	154768	19.70	ug/l	98
49) 1,4-Dioxane	8.25	88	25336	372.65	ug/l	88
51) 4-Methyl-2-Pentanone	9.37	43	815663	96.87	ug/l	99
52) Toluene	9.57	92	768853	21.07	ug/l	100
53) t-1,3-Dichloropropene	9.94	75	333302	19.84	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	435316	20.20	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	202916	19.18	ug/l	97
56) Ethyl methacrylate	10.06	69	189084	19.44	ug/l	99
57) 1,3-Dichloropropane	10.40	76	308386	19.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	603832	102.69	ug/l	100
59) 2-Hexanone	10.51	43	596338	99.37	ug/l	98
60) Dibromochloromethane	10.66	129	253218	19.69	ug/l	99
61) 1,2-Dibromoethane	10.77	107	207420	19.57	ug/l	96
64) Tetrachloroethene	10.27	164	332968	20.60	ug/l	98
65) Chlorobenzene	11.33	112	799877	20.39	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	272399	21.23	ug/l	96
67) Ethyl Benzene	11.44	91	1474157	21.97	ug/l	99
68) m/p-Xylenes	11.58	106	1073571	43.38	ug/l	98
69) o-Xylene	11.94	106	503235	21.05	ug/l	97
70) Styrene	11.97	104	804379	20.82	ug/l	99
71) Bromoform	12.13	173	160893	18.66	ug/l	100
73) Isopropylbenzene	12.29	105	1426200	21.12	ug/l	99
74) N-amyl acetate	12.15	43	322295	18.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	204207	18.49	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	215862	19.47	ug/l	98
77) Bromobenzene	12.55	156	357342	19.92	ug/l	95
78) n-propylbenzene	12.65	91	1808217	21.45	ug/l	100
79) 2-Chlorotoluene	12.72	91	942204	20.41	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1080869	20.60	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.36	75	58235	18.45	ug/l	98
82) 4-Chlorotoluene	12.82	91	1078629	20.80	ug/l	96
83) tert-Butylbenzene	13.06	119	1222507	20.98	ug/l	93
84) 1,2,4-Trimethylbenzene	13.11	105	1080216	20.61	ug/l	99
85) sec-Butylbenzene	13.23	105	1528545	21.38	ug/l	97
86) p-Isopropyltoluene	13.35	119	1253687	21.78	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	657399	20.60	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	634487	20.36	ug/l	96
89) n-Butylbenzene	13.66	91	1248329	19.68	ug/l	97
90) Hexachloroethane	13.87	117	274808	20.13	ug/l	84
91) 1,2-Dichlorobenzene	13.68	146	532668	20.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24378	18.29	ug/l	81

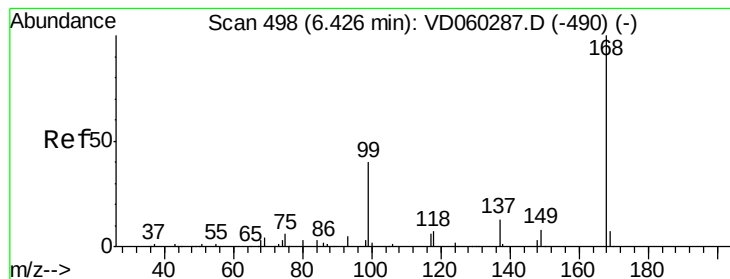
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
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QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	400278	19.26	ug/l	98
94) Hexachlorobutadiene	14.89	225	306604	19.72	ug/l	100
95) Naphthalene	14.98	128	468694	18.47	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	305964	18.37	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

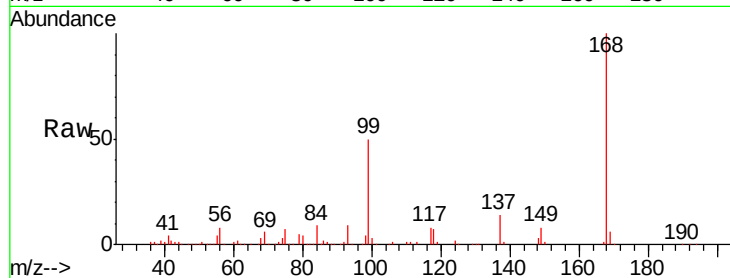
VD1116SBS01

Tgt Ion:168 Resp: 1644349

Ion Ratio Lower Upper

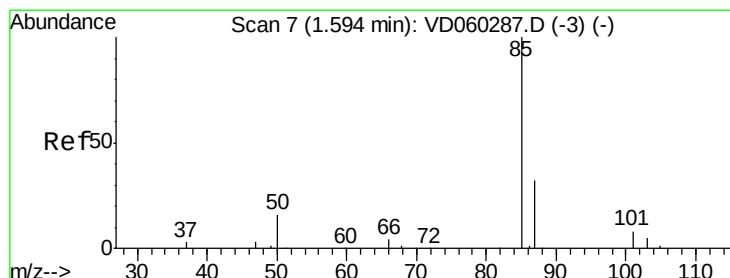
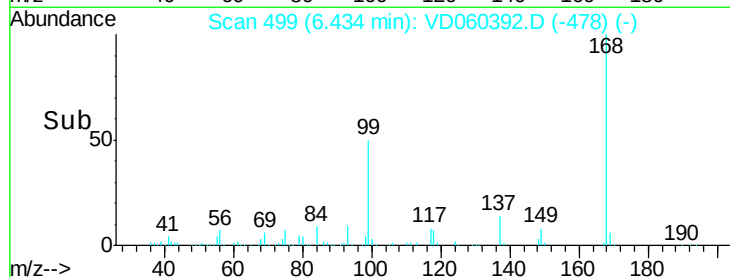
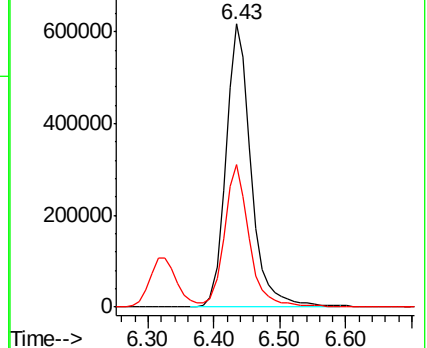
168 100

99 50.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 22.13 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060392.D

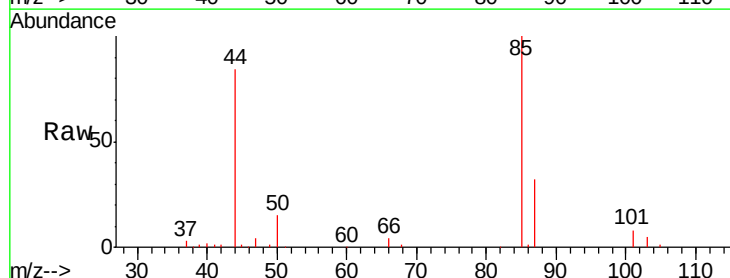
Acq: 16 Nov 2018 12:25

Tgt Ion: 85 Resp: 318311

Ion Ratio Lower Upper

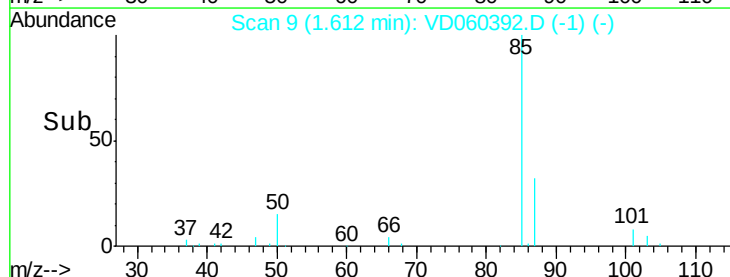
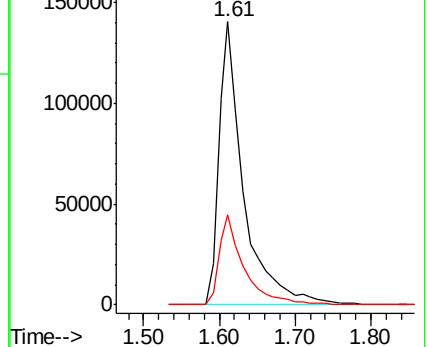
85 100

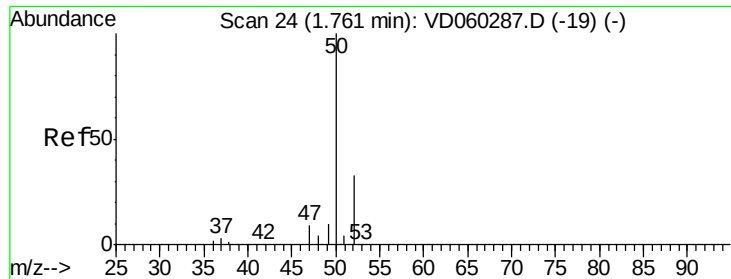
87 31.7 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

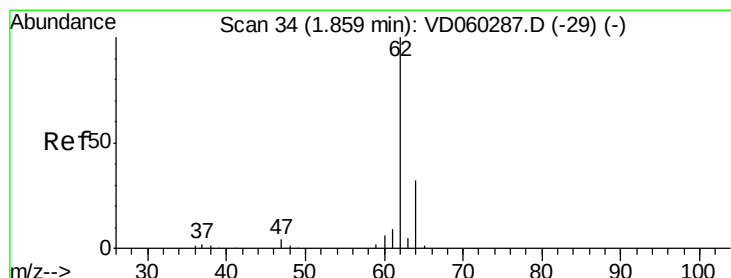
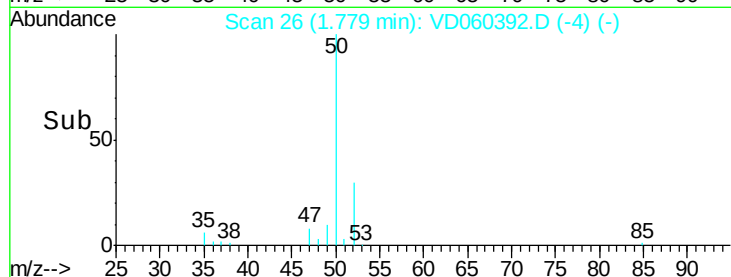
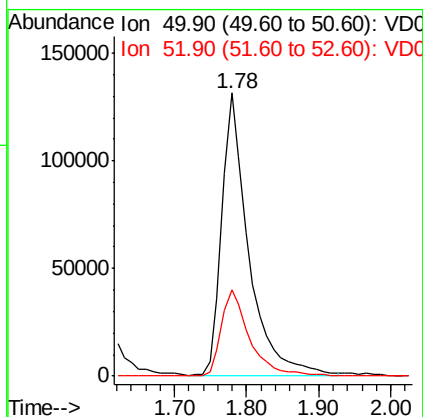
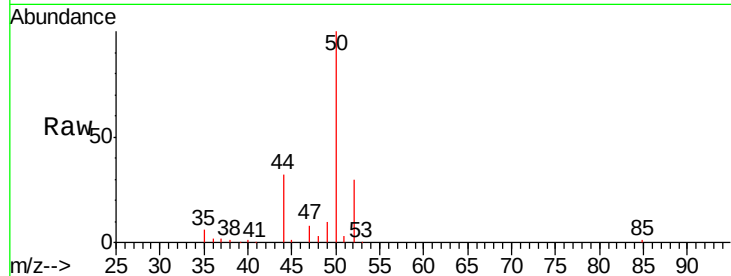




#3
Chloromethane
Concen: 21.54 ug/l
RT: 1.78 min Scan# 26
Delta R.T. 0.02 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

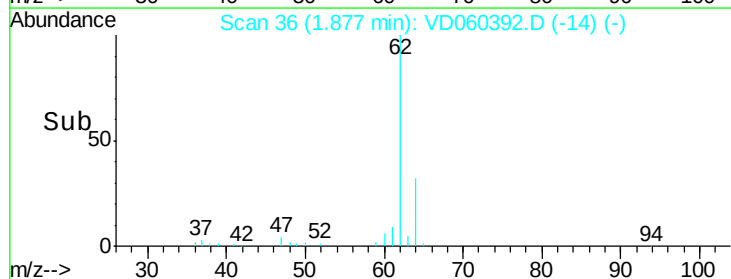
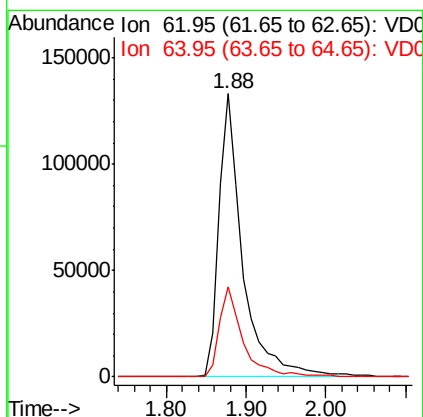
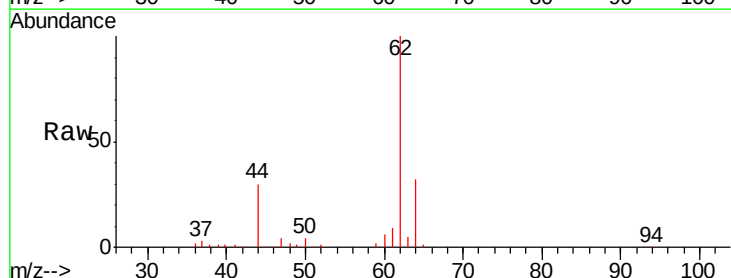
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

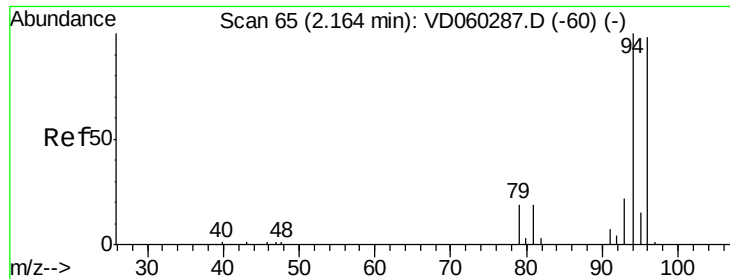
Tgt Ion: 50 Resp: 335495
Ion Ratio Lower Upper
50 100
52 30.4 25.8 38.6



#4
Vinyl Chloride
Concen: 21.98 ug/l
RT: 1.88 min Scan# 36
Delta R.T. 0.02 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 62 Resp: 279550
Ion Ratio Lower Upper
62 100
64 31.8 24.9 37.3





#5

Bromomethane

Concen: 17.15 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

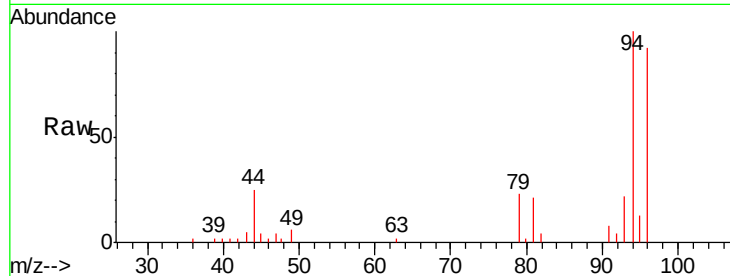
VD1116SBS01

Tgt Ion: 94 Resp: 51771

Ion Ratio Lower Upper

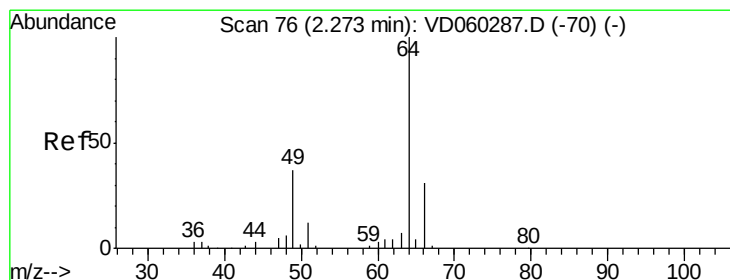
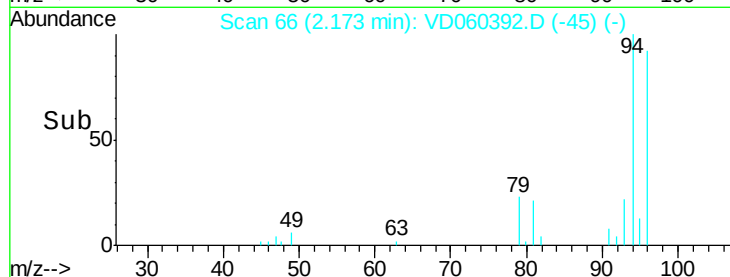
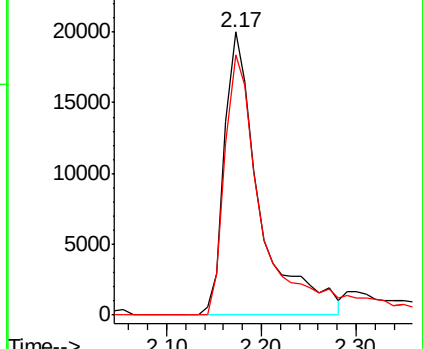
94 100

96 92.0 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.07 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060392.D

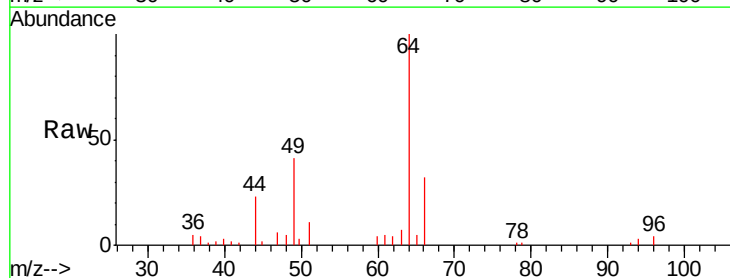
Acq: 16 Nov 2018 12:25

Tgt Ion: 64 Resp: 80496

Ion Ratio Lower Upper

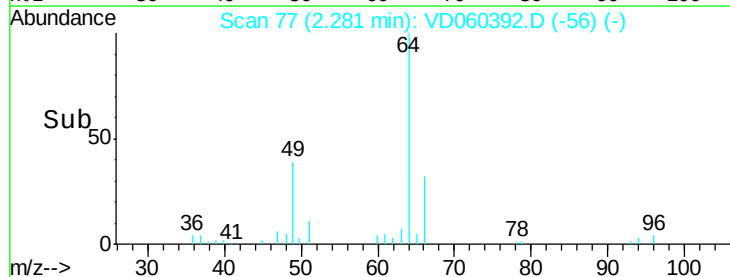
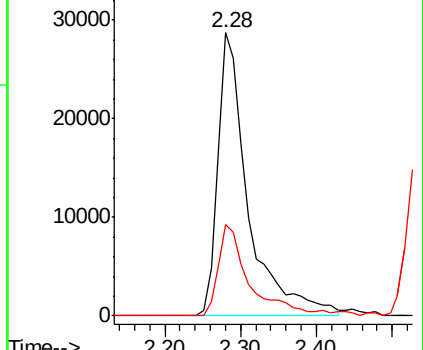
64 100

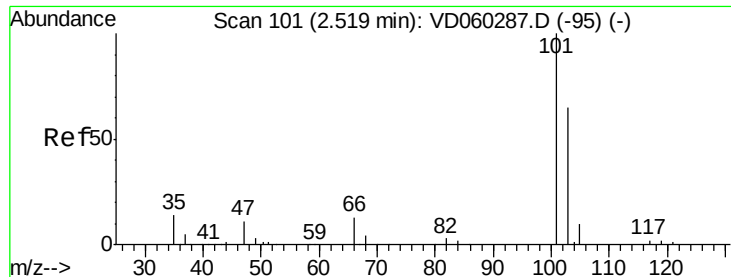
66 32.5 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.11 ug/l

RT: 2.54 min Scan# 103

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

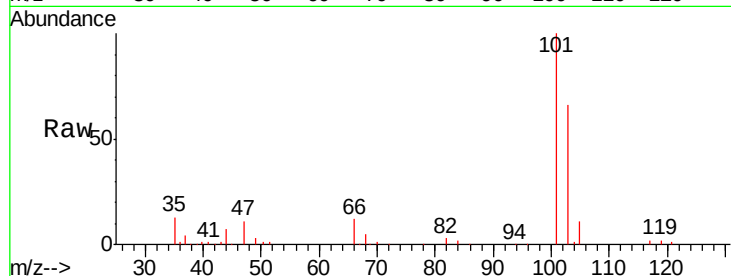
VD1116SBS01

Tgt Ion: 101 Resp: 316610

Ion Ratio Lower Upper

101 100

103 66.3 53.6 80.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.54

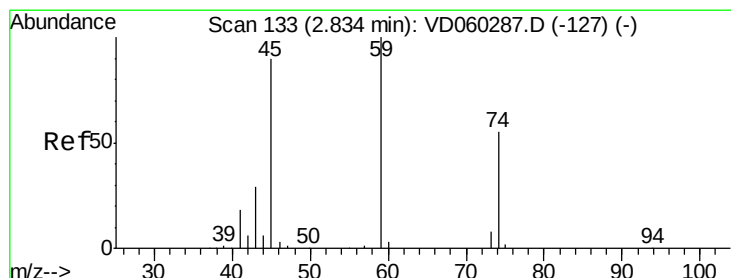
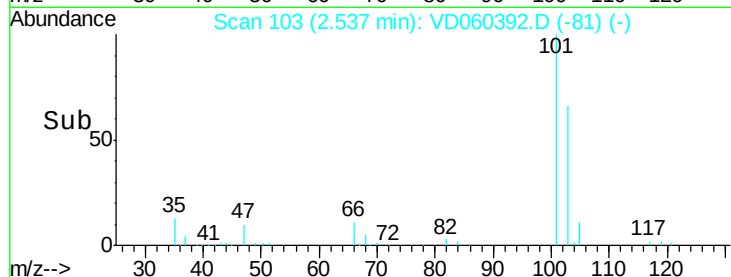
150000

100000

50000

0

Time--> 2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 21.37 ug/l

RT: 2.85 min Scan# 135

Delta R.T. 0.02 min

Lab File: VD060392.D

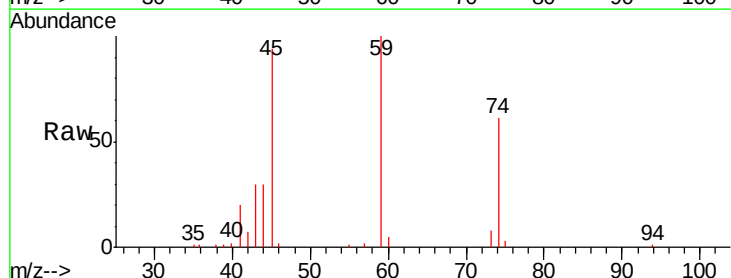
Acq: 16 Nov 2018 12:25

Tgt Ion: 74 Resp: 58034

Ion Ratio Lower Upper

74 100

45 154.1 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

40000

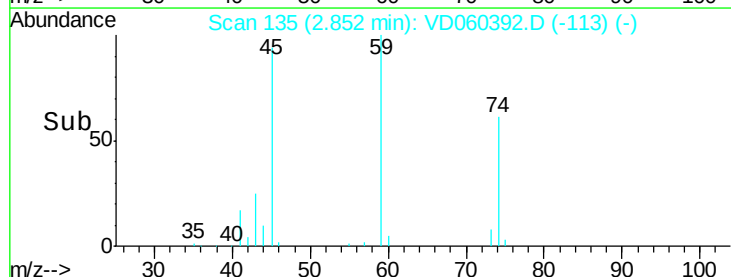
30000

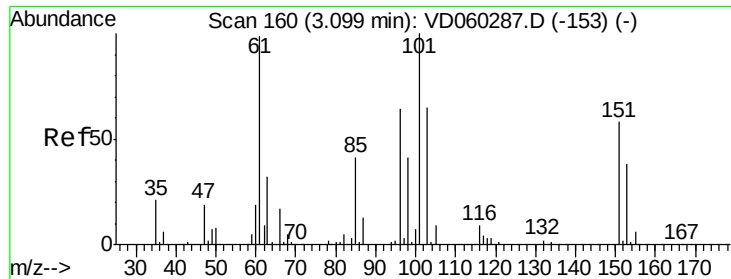
20000

10000

0

Time--> 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.94 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

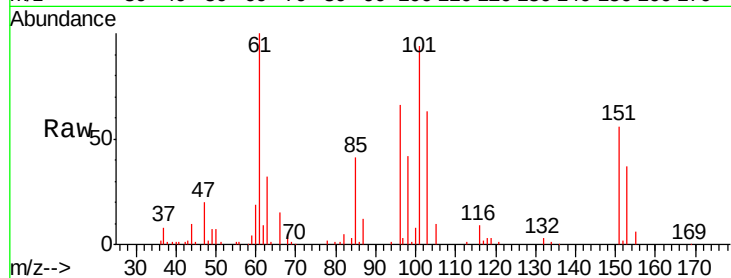
Tgt Ion:101 Resp: 216431

Ion Ratio Lower Upper

101 100

85 43.5 31.4 47.0

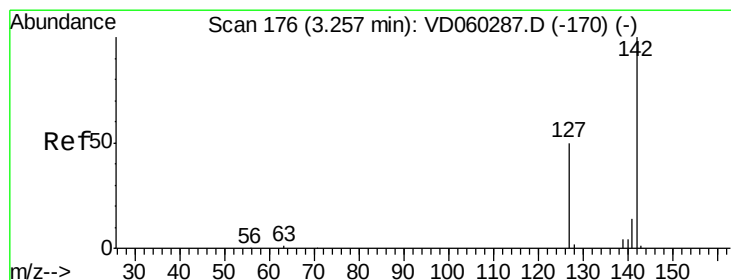
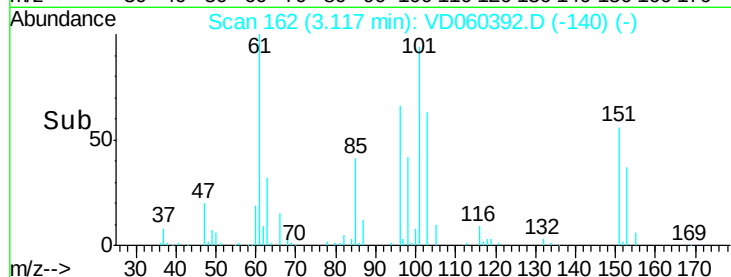
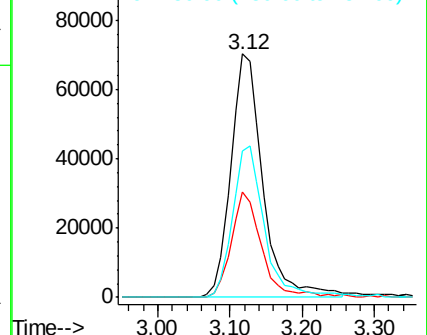
151 60.0 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.57 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

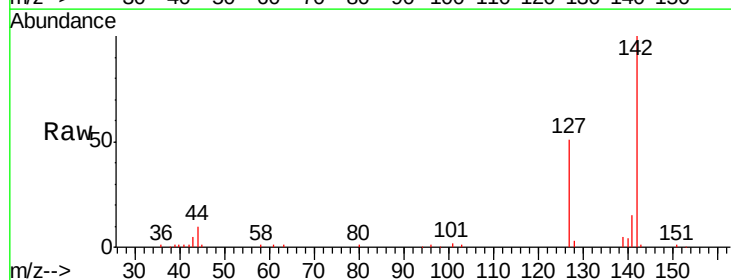
Tgt Ion:142 Resp: 237947

Ion Ratio Lower Upper

142 100

127 51.3 41.0 61.6

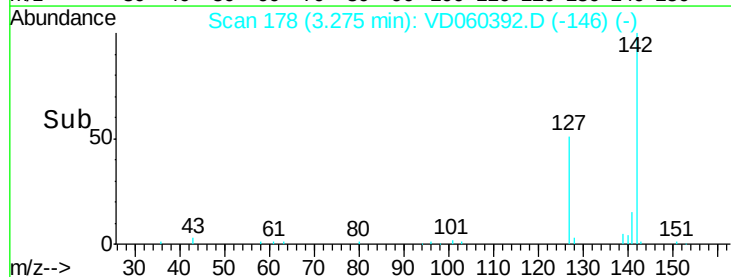
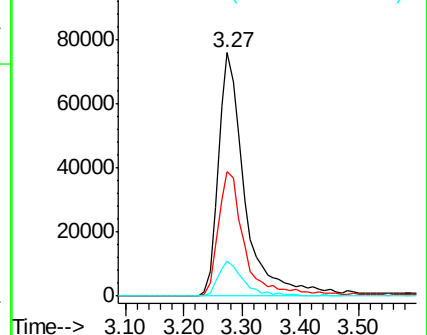
141 14.5 11.9 17.9

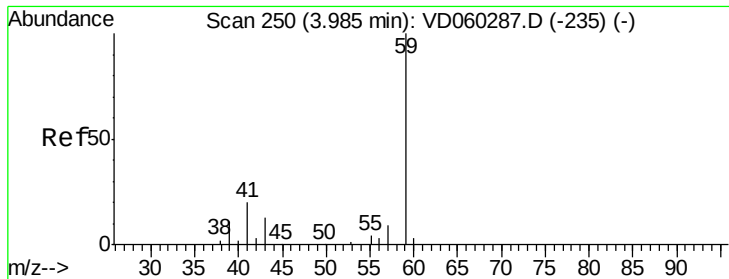


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



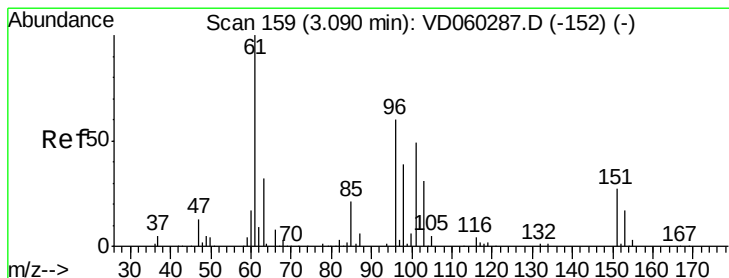
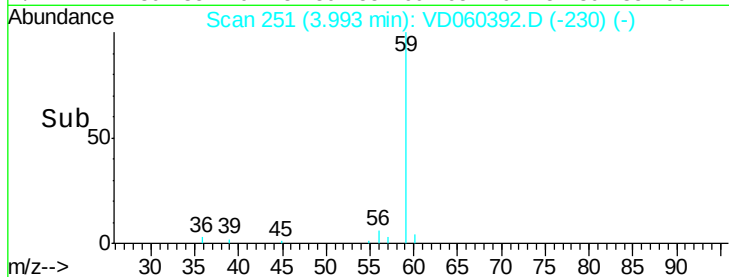
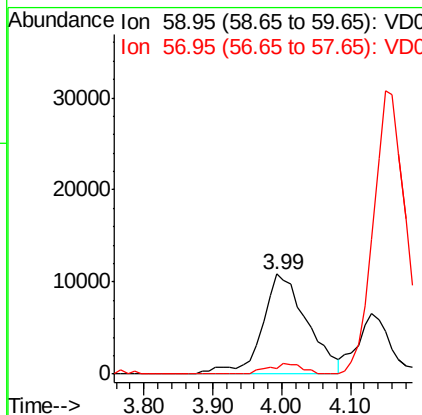
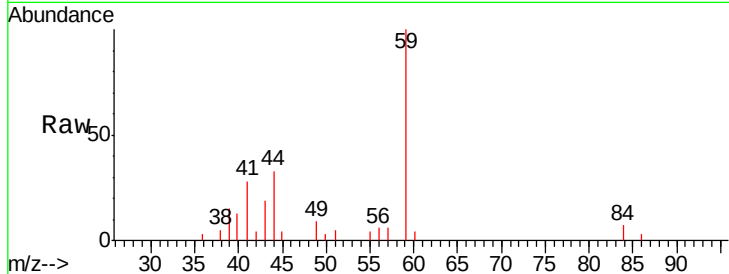


#11

Tert butyl alcohol
 Concen: 101.24 ug/l
 RT: 3.99 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

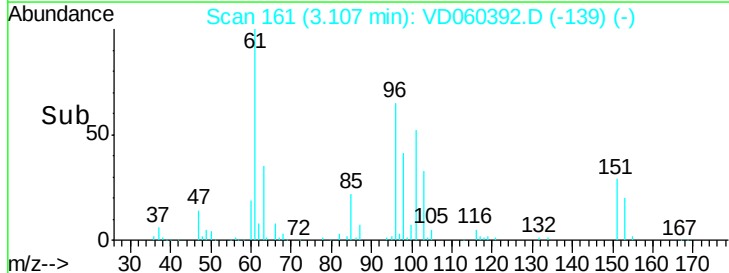
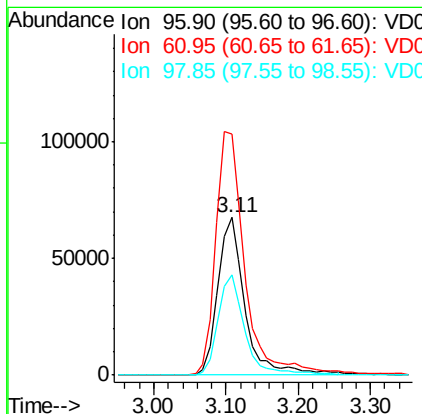
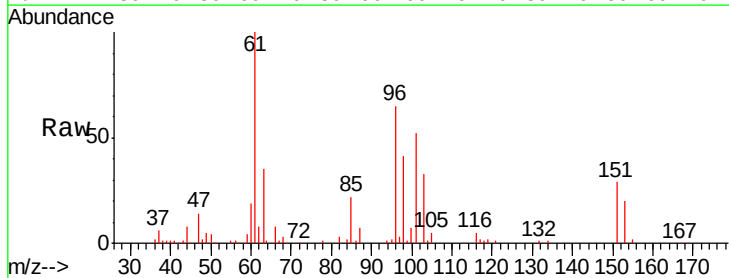
Tgt Ion: 59 Resp: 48945
 Ion Ratio Lower Upper
 59 100
 57 5.5 9.3 13.9#

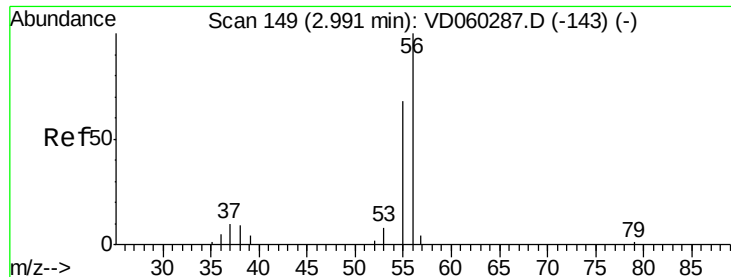


#12

1,1-Dichloroethene
 Concen: 21.91 ug/l
 RT: 3.11 min Scan# 161
 Delta R.T. 0.02 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 96 Resp: 175821
 Ion Ratio Lower Upper
 96 100
 61 153.6 142.2 213.4
 98 63.5 52.6 79.0





#13

Acrolein

Concen: 80.32 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

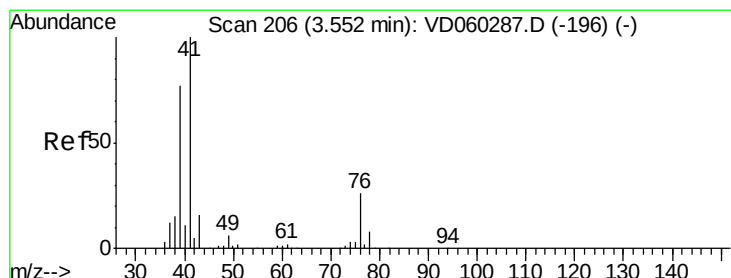
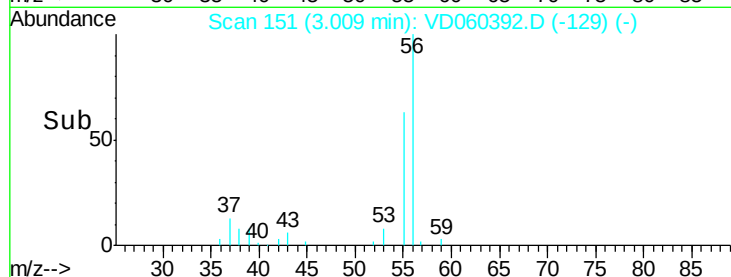
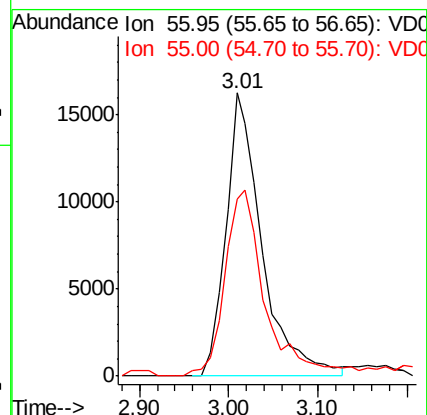
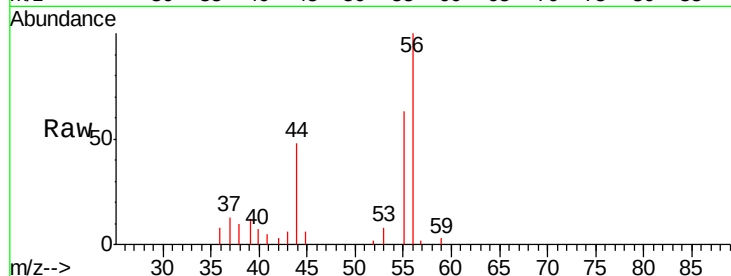
VD1116SBS01

Tgt Ion: 56 Resp: 45884

Ion Ratio Lower Upper

56 100

55 62.5 57.0 85.6



#14

Allyl chloride

Concen: 21.15 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

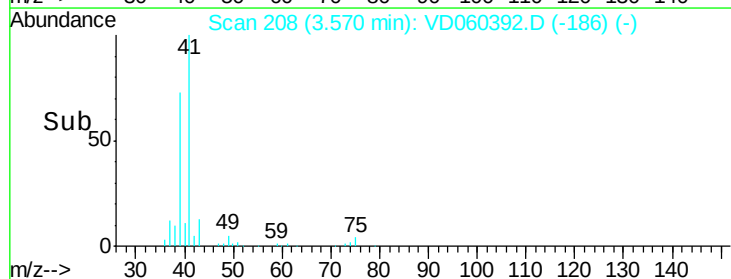
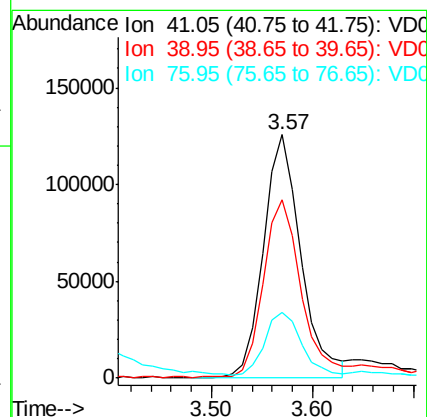
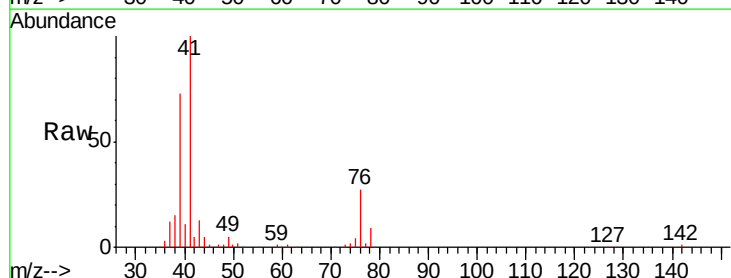
Tgt Ion: 41 Resp: 324692

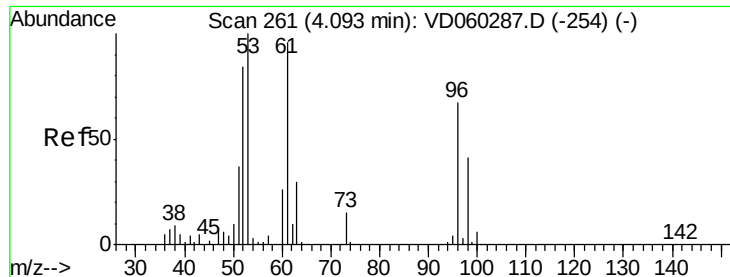
Ion Ratio Lower Upper

41 100

39 73.0 60.4 90.6

76 26.9 21.8 32.8





#15

Acrylonitrile

Concen: 94.88 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

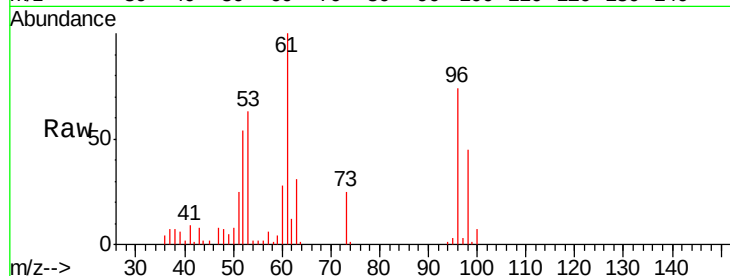
Tgt Ion: 53 Resp: 267502

Ion Ratio Lower Upper

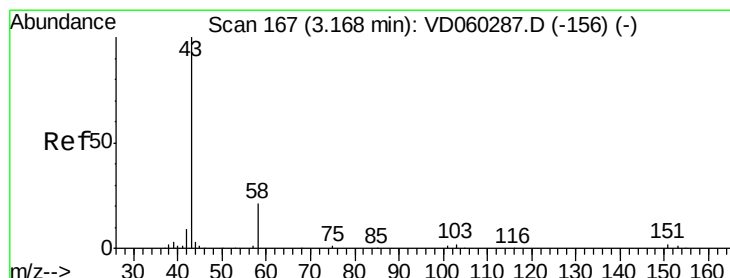
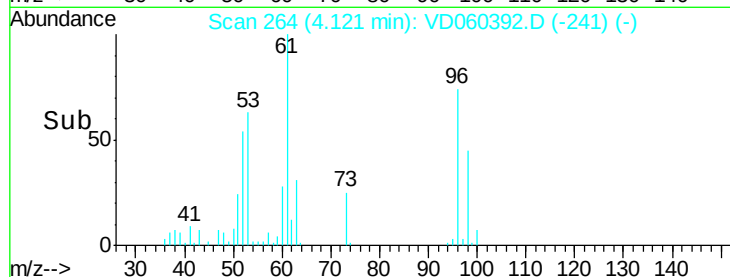
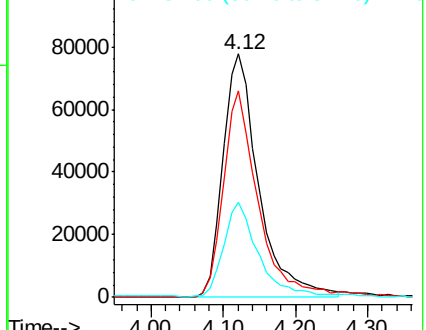
53 100

52 84.8 67.0 100.4

51 39.2 29.9 44.9



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: 101.11 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060392.D

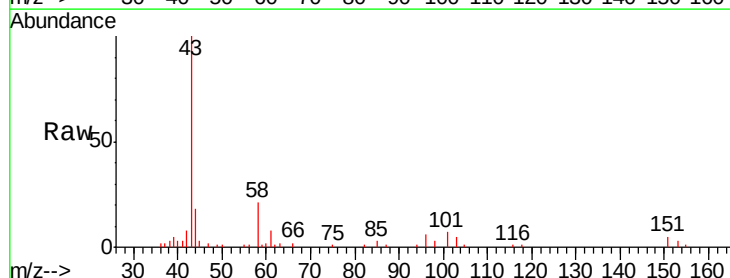
Acq: 16 Nov 2018 12:25

Tgt Ion: 43 Resp: 206492

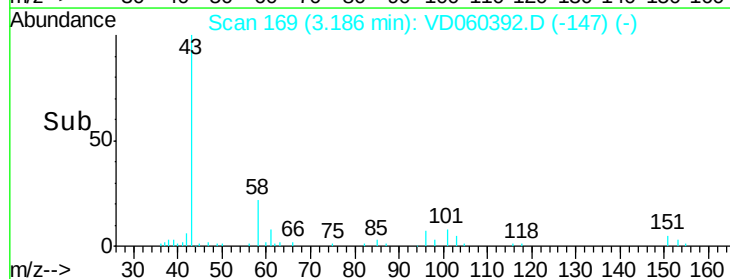
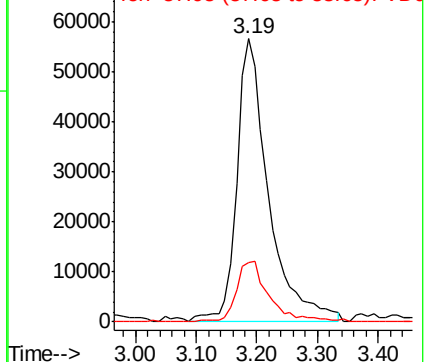
Ion Ratio Lower Upper

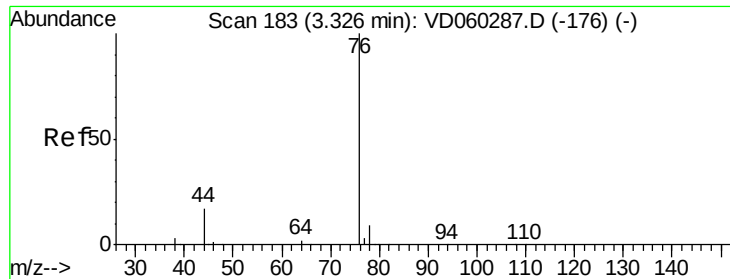
43 100

58 21.2 16.9 25.3



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





#17

Carbon Disulfide

Concen: 19.88 ug/l

RT: 3.34 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

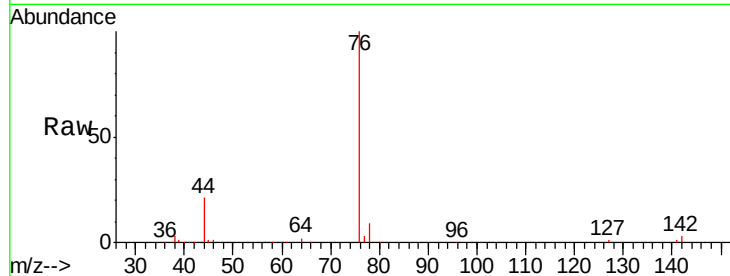
VD1116SBS01

Tgt Ion: 76 Resp: 514739

Ion Ratio Lower Upper

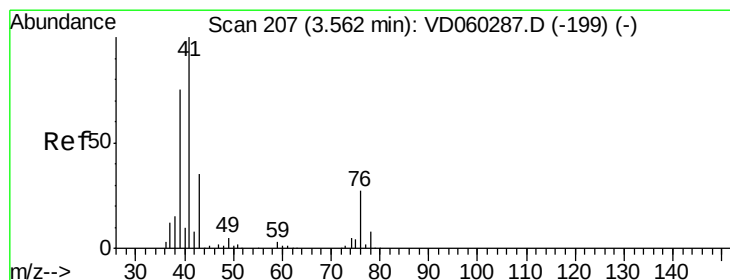
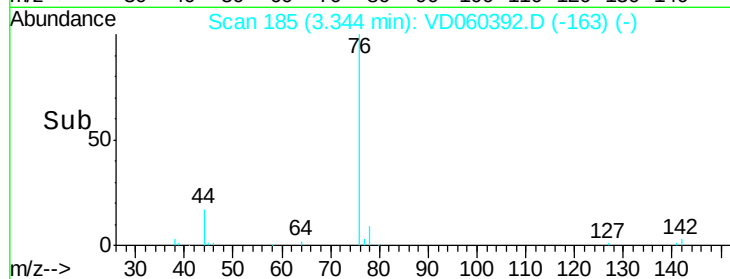
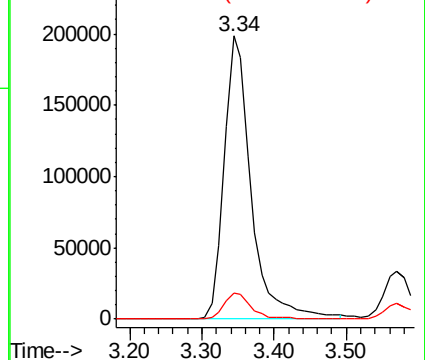
76 100

78 9.4 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.23 ug/l

RT: 3.59 min Scan# 210

Delta R.T. 0.03 min

Lab File: VD060392.D

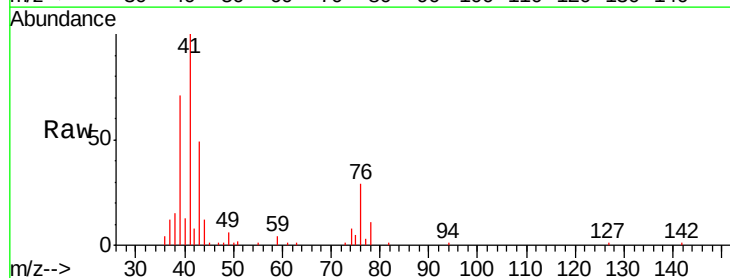
Acq: 16 Nov 2018 12:25

Tgt Ion: 43 Resp: 88113

Ion Ratio Lower Upper

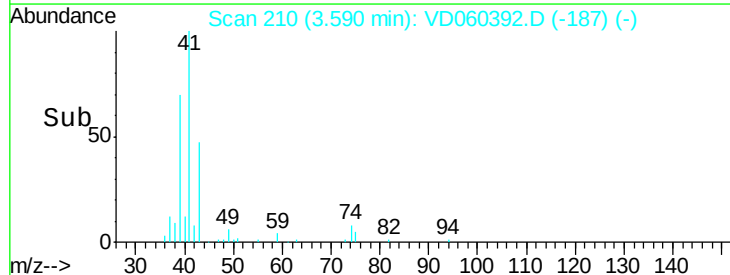
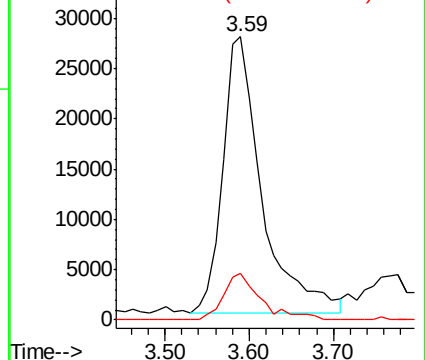
43 100

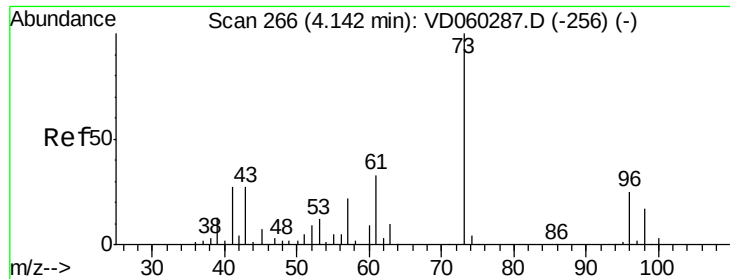
74 16.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

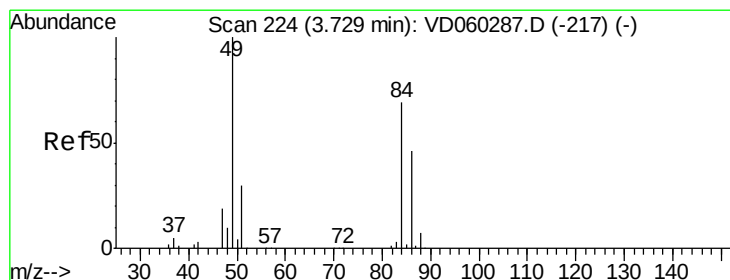
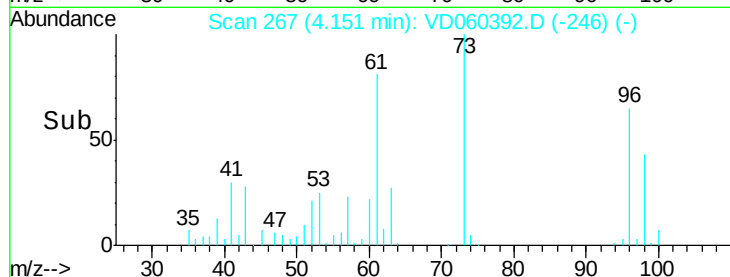
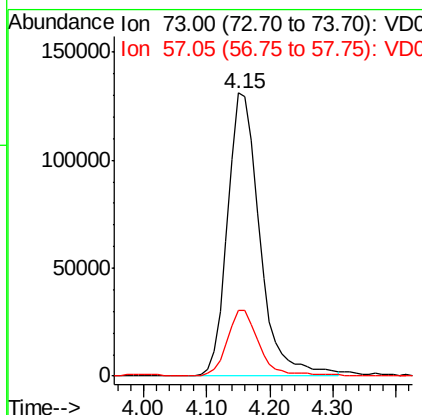
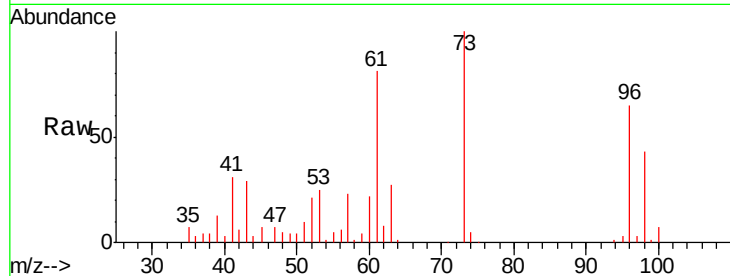




#19
Methyl tert-butyl Ether
Concen: 19.40 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

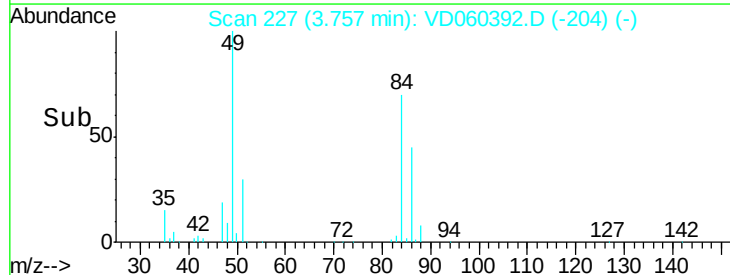
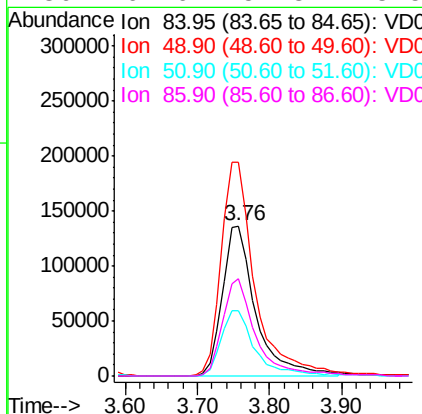
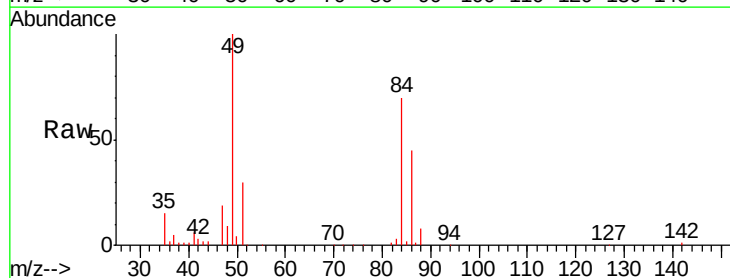
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

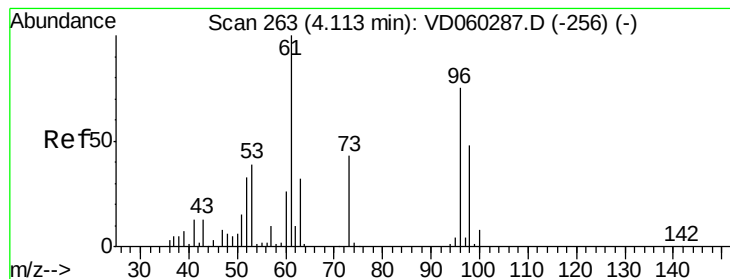
Tgt Ion: 73 Resp: 466071
Ion Ratio Lower Upper
73 100
57 23.4 18.1 27.1



#20
Methylene Chloride
Concen: 24.10 ug/l
RT: 3.76 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 84 Resp: 436528
Ion Ratio Lower Upper
84 100
49 142.1 115.6 173.4
51 43.1 35.6 53.4
86 64.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.32 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

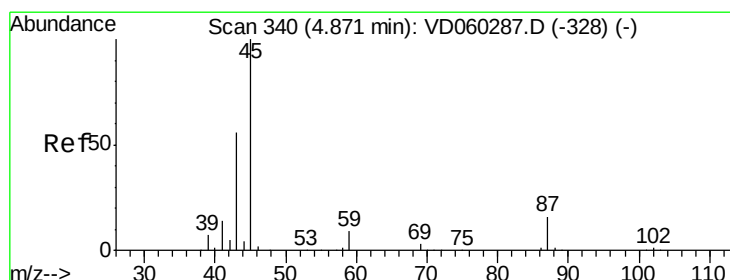
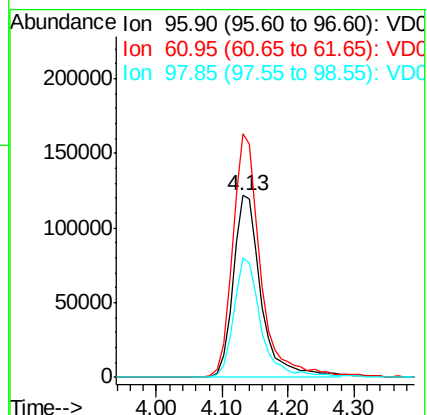
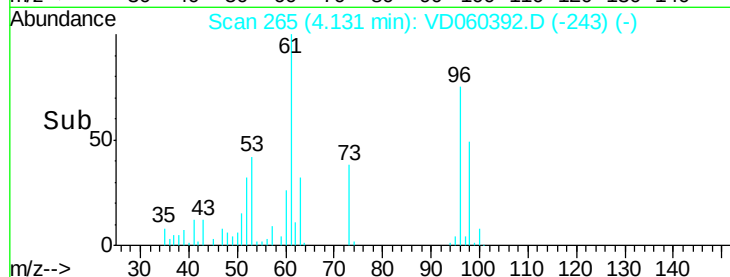
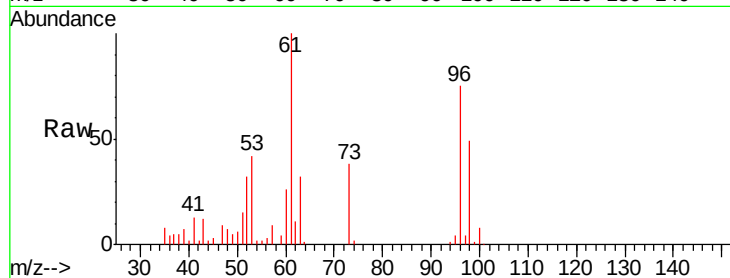
Tgt Ion: 96 Resp: 362058

Ion Ratio Lower Upper

96 100

61 133.8 105.8 158.6

98 65.8 50.8 76.2



#22

Diisopropyl ether

Concen: 20.39 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Tgt Ion: 45 Resp: 1169447

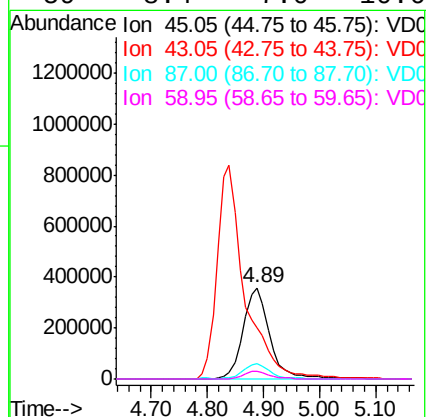
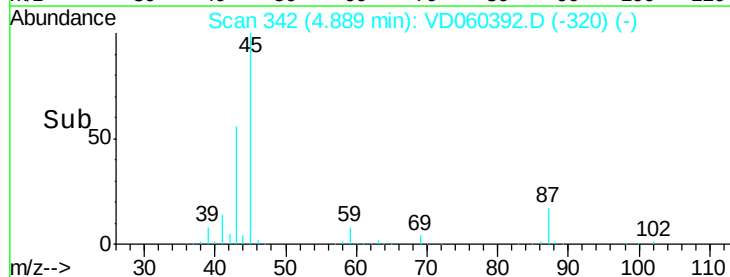
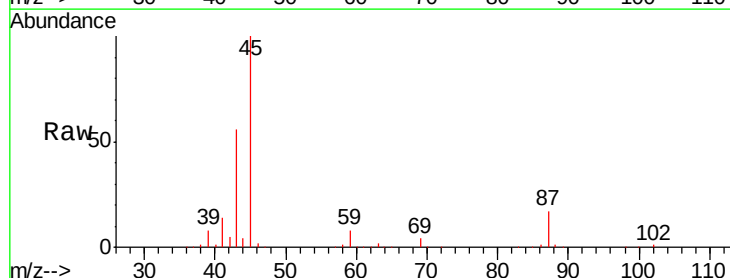
Ion Ratio Lower Upper

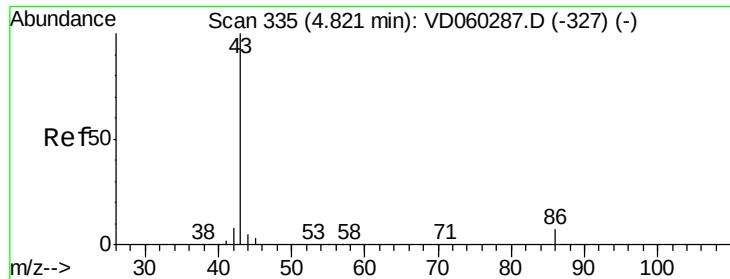
45 100

43 56.0 44.9 67.3

87 16.5 13.9 20.9

59 8.4 7.0 10.6

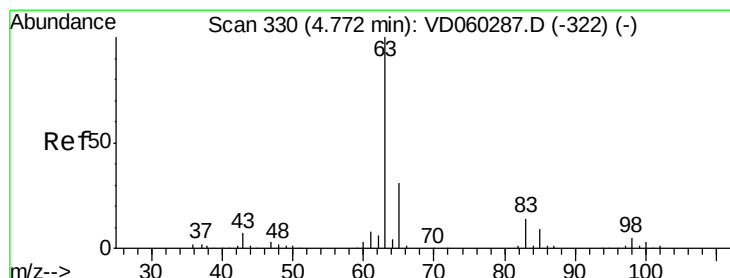
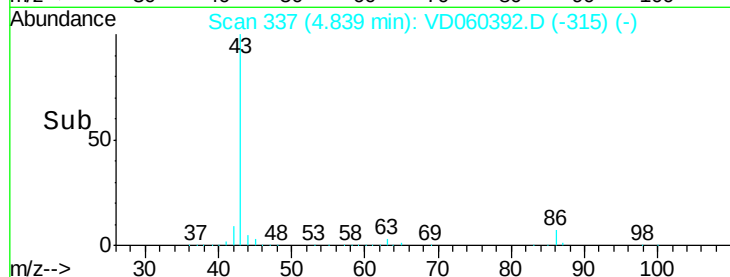
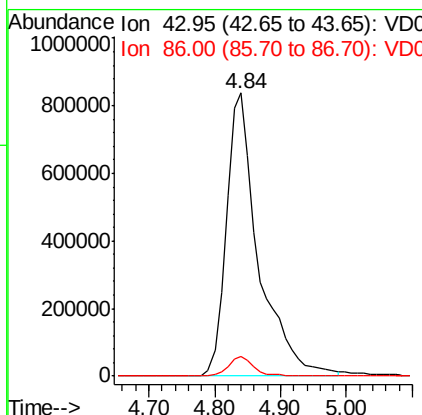
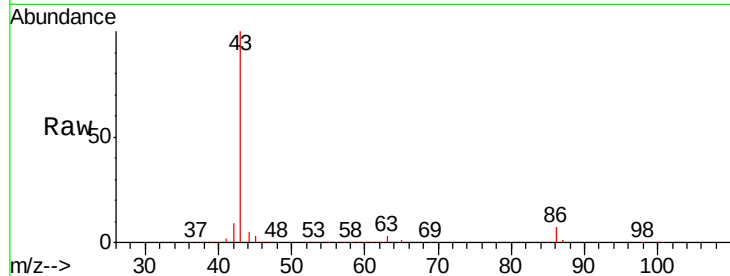




#23
 Vinyl Acetate
 Concen: 100.33 ug/l
 RT: 4.84 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

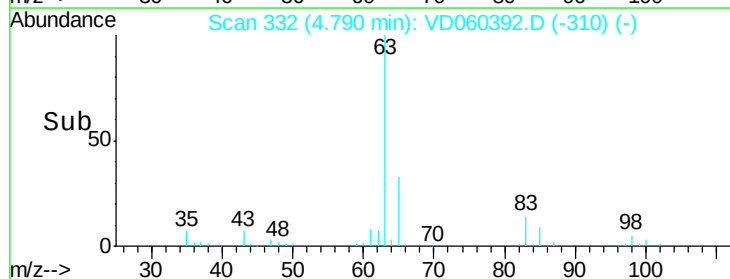
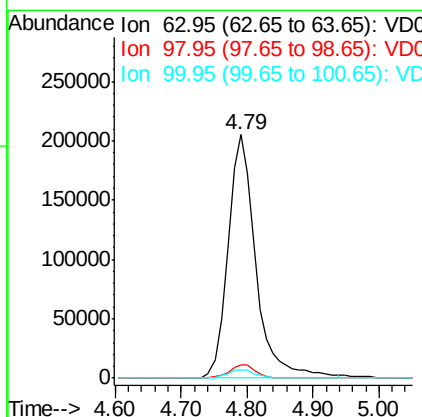
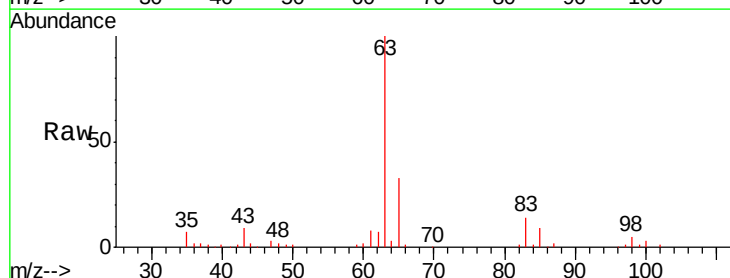
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

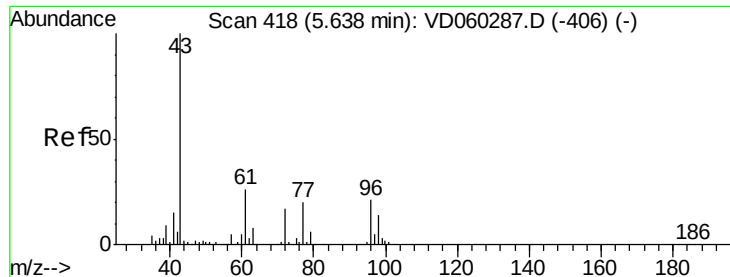
Tgt Ion: 43 Resp: 2863339
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 20.60 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 63 Resp: 606022
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.4 1.8 5.5





#25

2-Butanone

Concen: 95.56 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

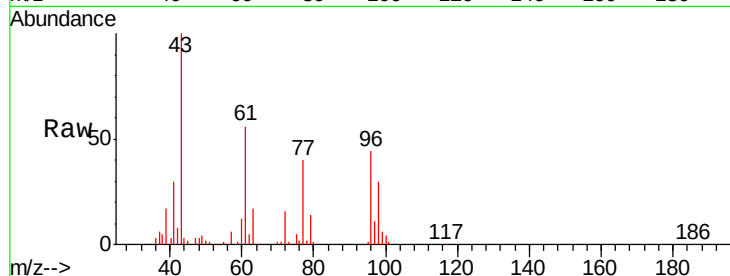
VD1116SBS01

Tgt Ion: 43 Resp: 405637

Ion Ratio Lower Upper

43 100

72 16.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

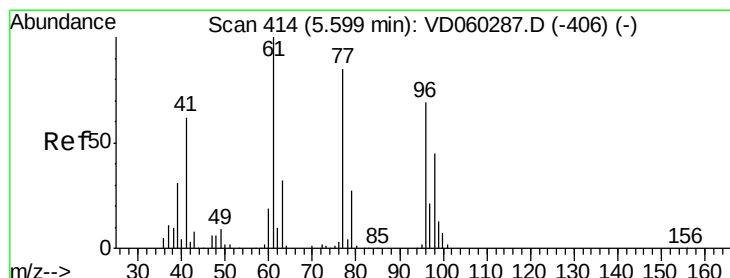
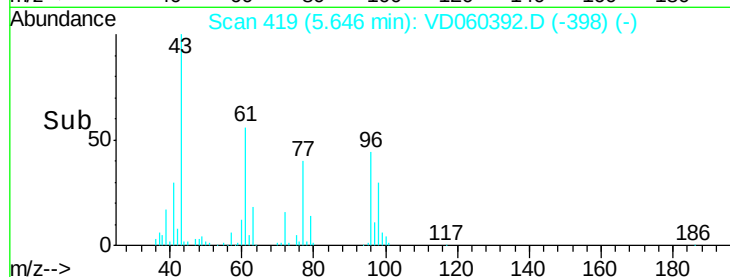
50000

0

5.50 5.60 5.70

5.65

Time-->



#26

2,2-Dichloropropane

Concen: 21.73 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060392.D

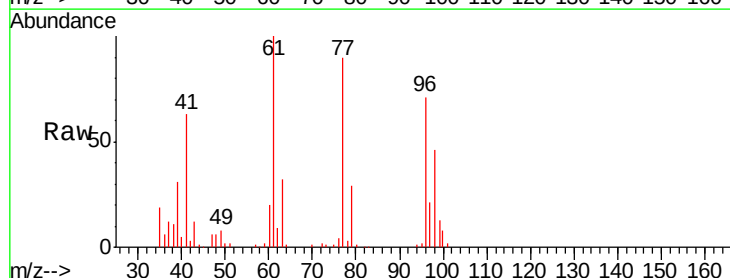
Acq: 16 Nov 2018 12:25

Tgt Ion: 77 Resp: 496885

Ion Ratio Lower Upper

77 100

97 23.9 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

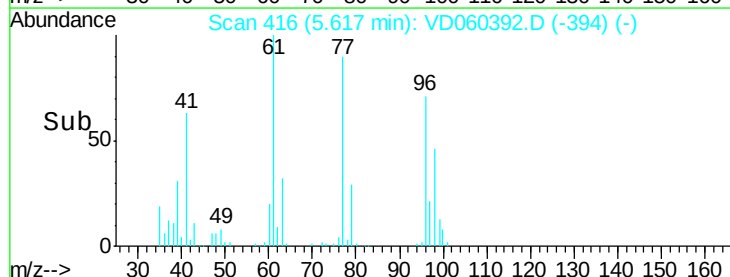
50000

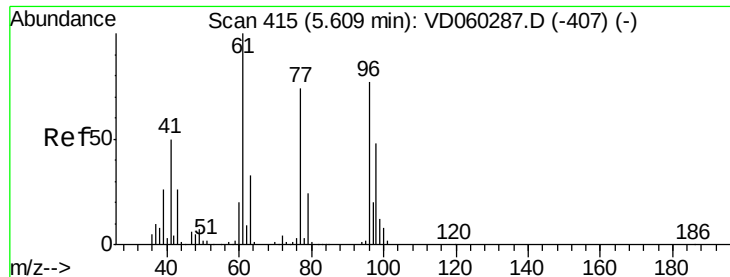
0

5.50 5.60 5.70 5.80

5.62

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.70 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

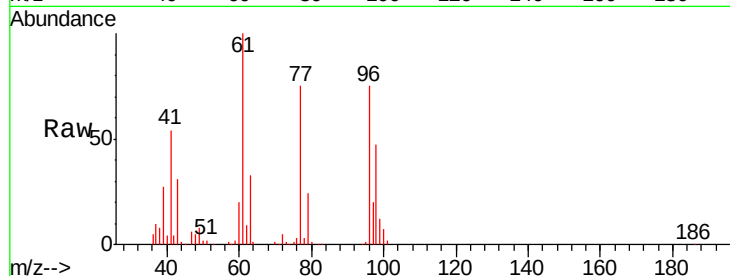
Tgt Ion: 96 Resp: 384079

Ion Ratio Lower Upper

96 100

61 133.7 0.0 259.0

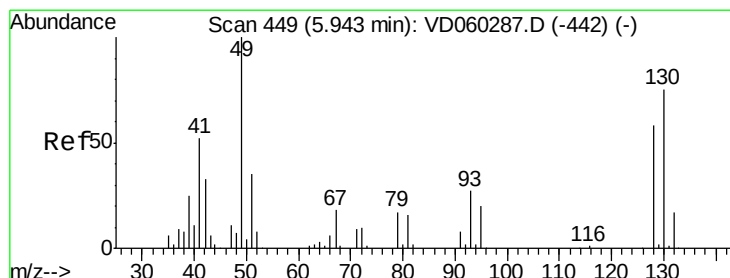
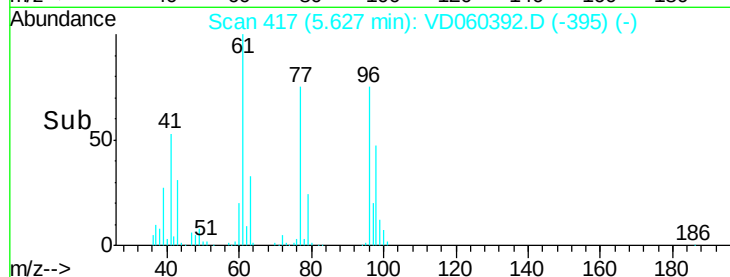
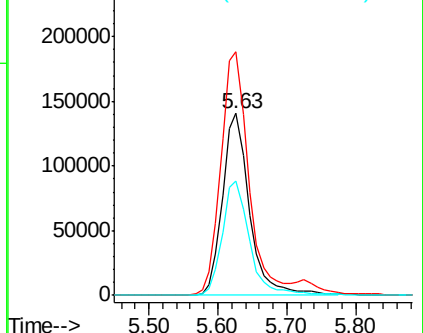
98 62.9 0.0 128.8



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: 19.97 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

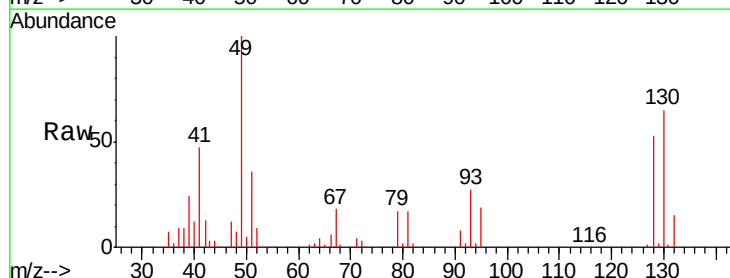
Tgt Ion: 49 Resp: 259188

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.8

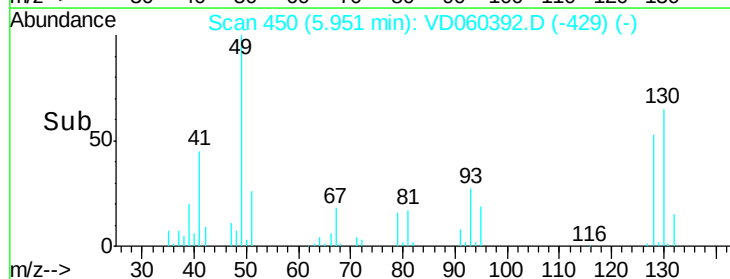
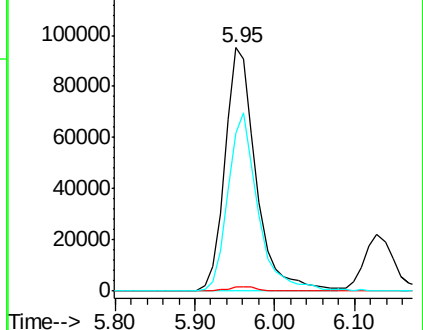
130 64.9 53.6 80.4

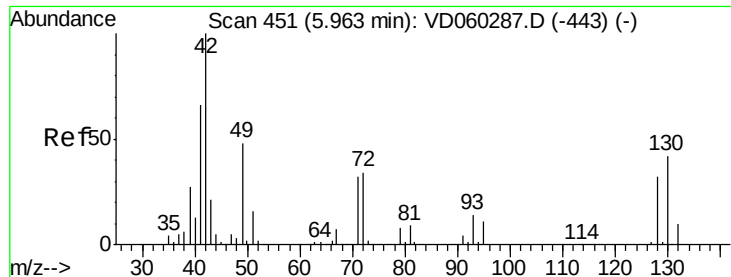


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

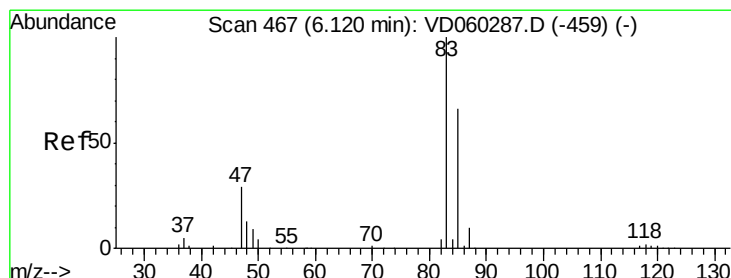
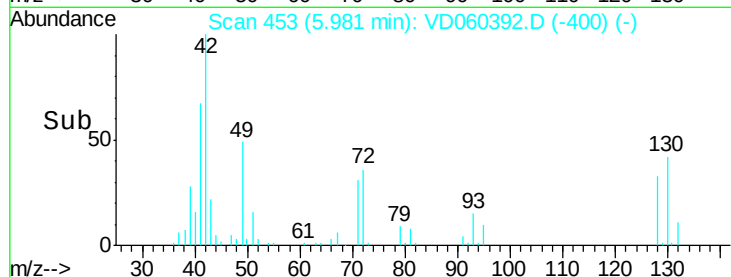
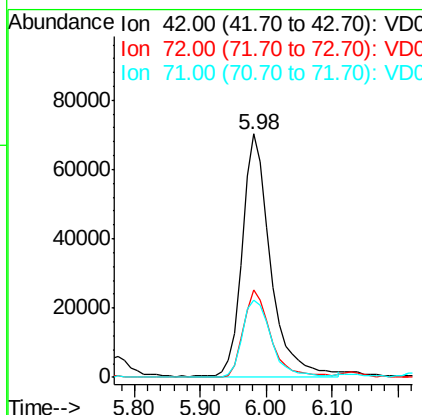
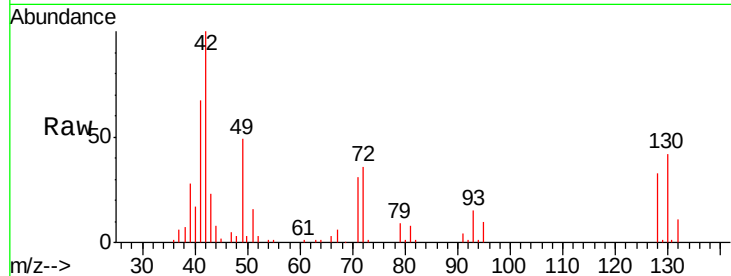




#29
Tetrahydrofuran
Concen: 95.45 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

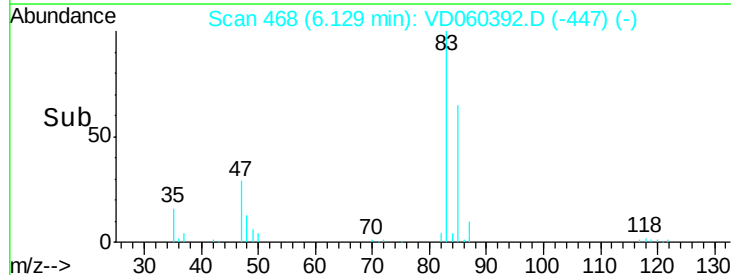
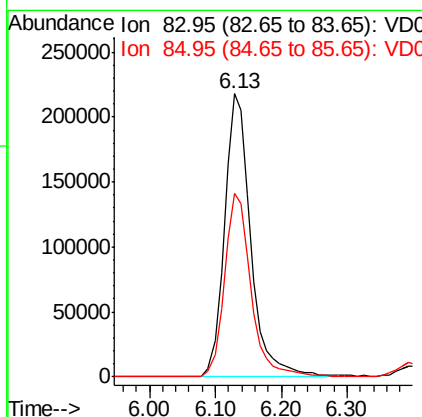
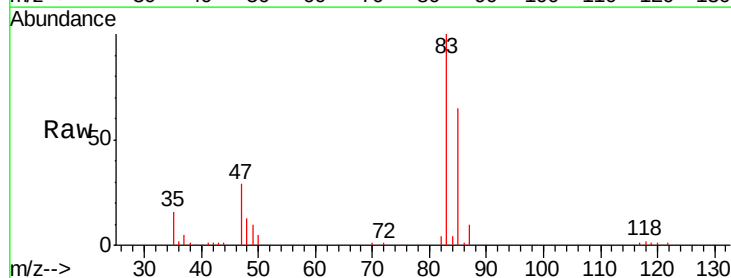
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

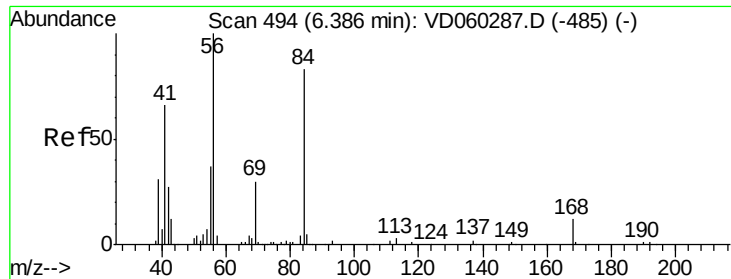
Tgt Ion: 42 Resp: 213633
Ion Ratio Lower Upper
42 100
72 34.5 27.6 41.4
71 32.3 26.5 39.7



#30
Chloroform
Concen: 20.56 ug/l
RT: 6.13 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 83 Resp: 604576
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7

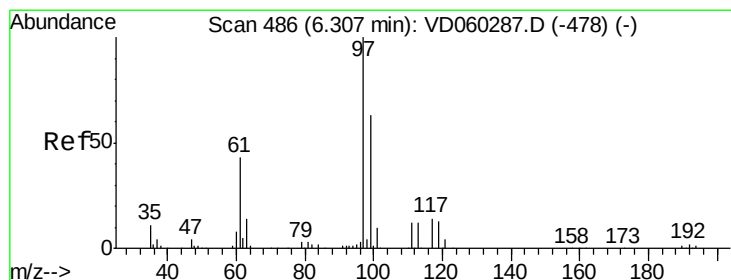
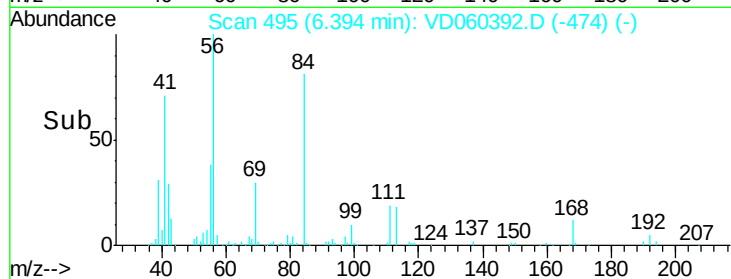
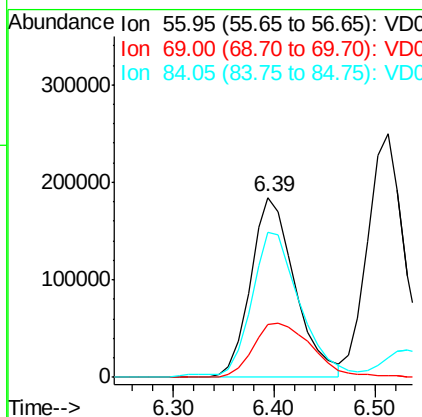
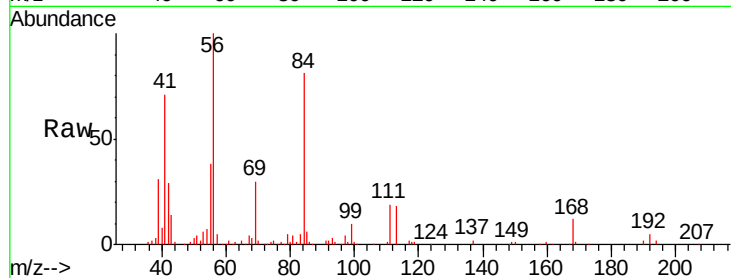




#31
Cyclohexane
Concen: 20.12 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

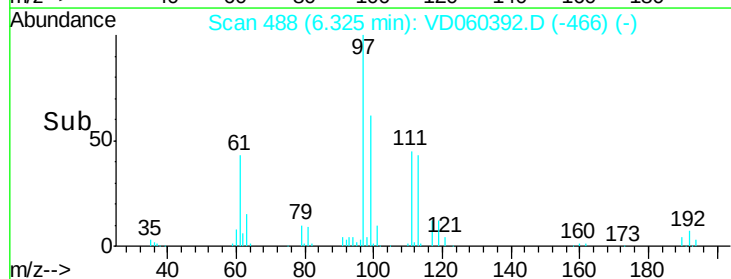
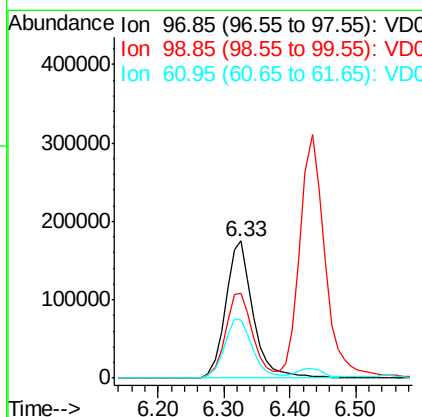
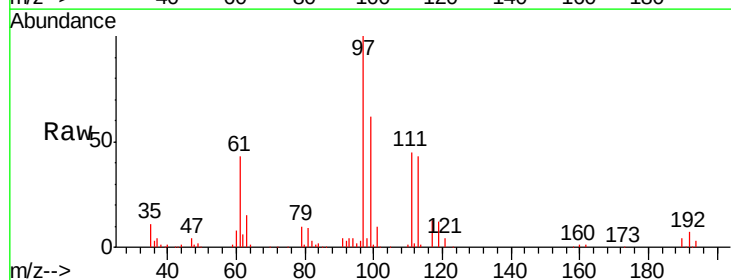
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

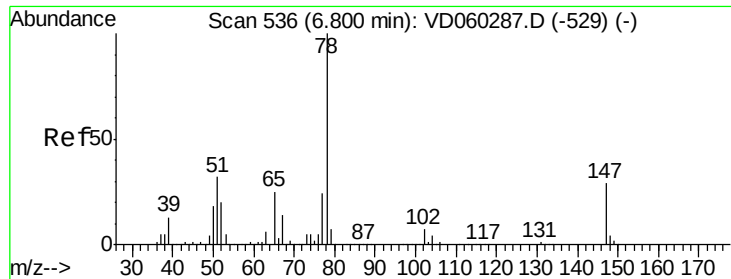
Tgt Ion: 56 Resp: 565691
Ion Ratio Lower Upper
56 100
69 29.5 22.2 33.2
84 80.8 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 20.48 ug/l
RT: 6.33 min Scan# 488
Delta R.T. 0.02 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 97 Resp: 507356
Ion Ratio Lower Upper
97 100
99 61.8 51.5 77.3
61 42.8 35.8 53.8

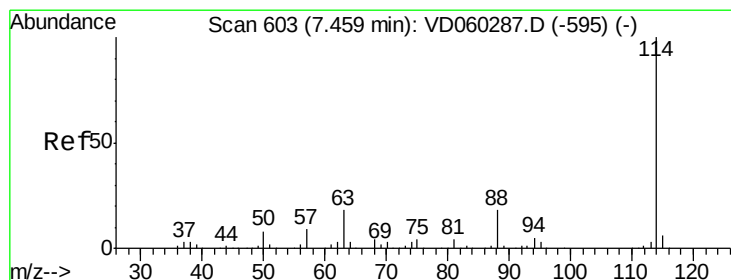
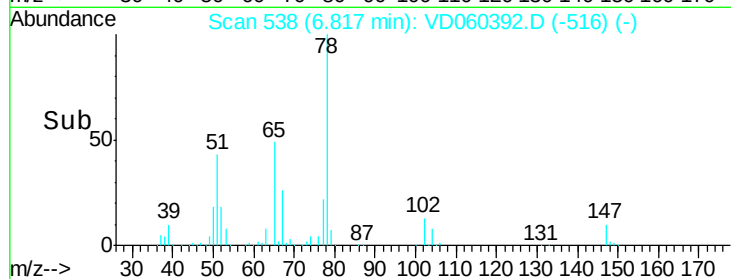
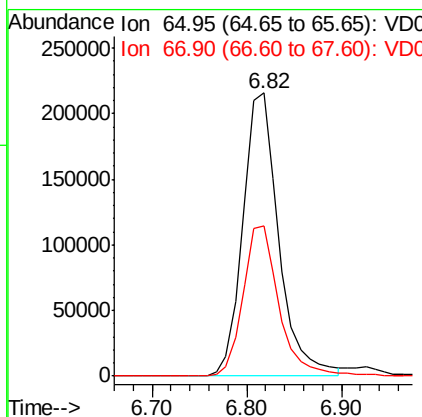
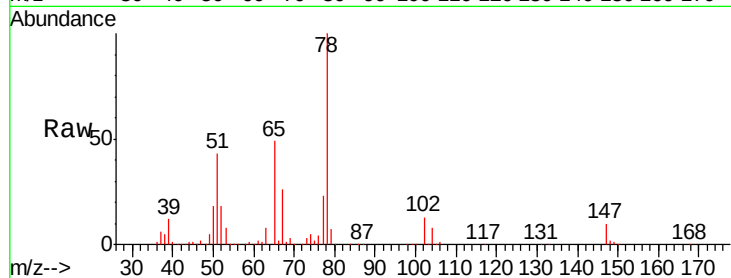




#33
 1,2-Dichloroethane-d4
 Concen: 20.48 ug/l
 RT: 6.82 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

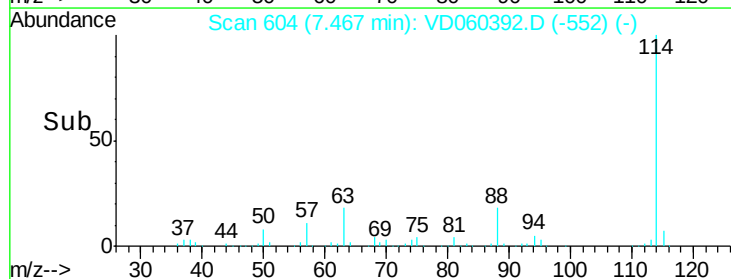
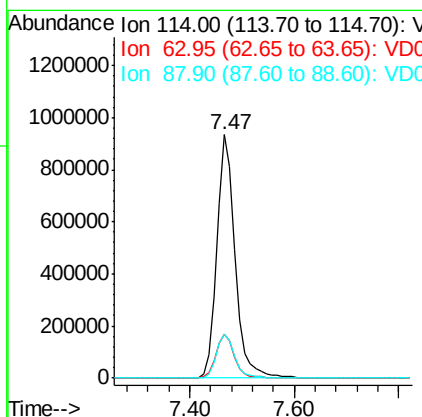
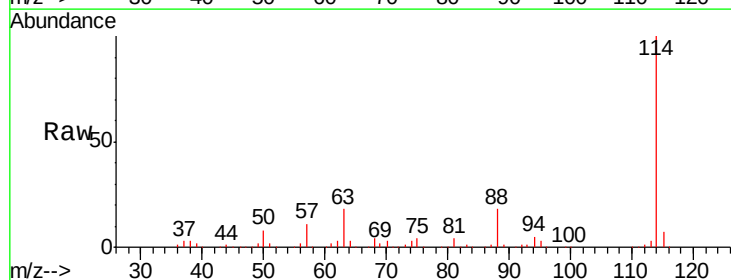
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

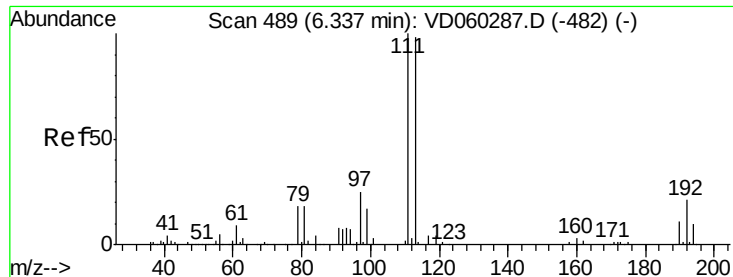
Tgt Ion: 65 Resp: 566520
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 114 Resp: 2265330
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.0
 88 18.1 0.0 35.4

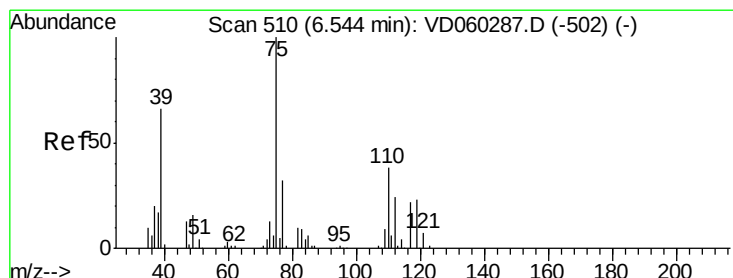
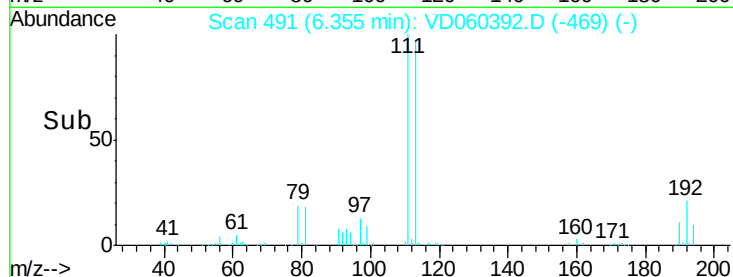
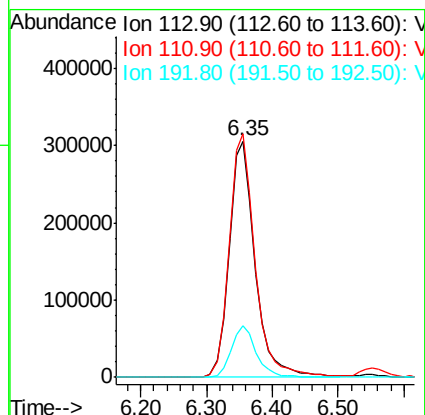
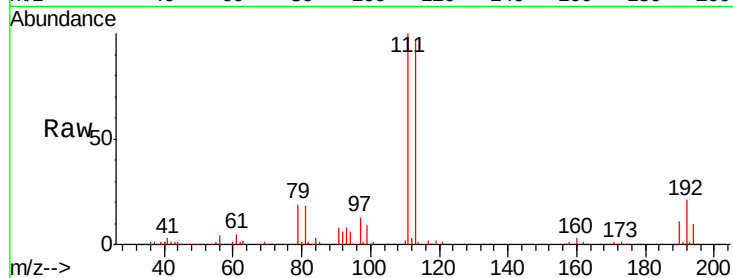




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.35 min Scan# 491
 Delta R.T. 0.02 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

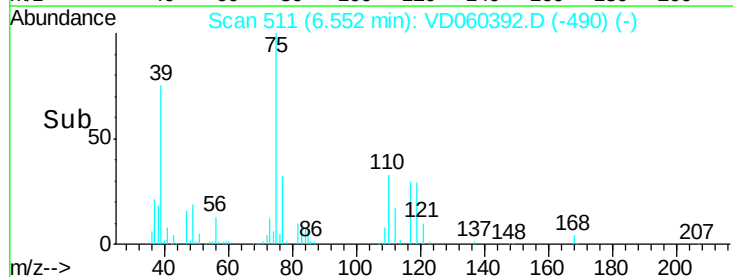
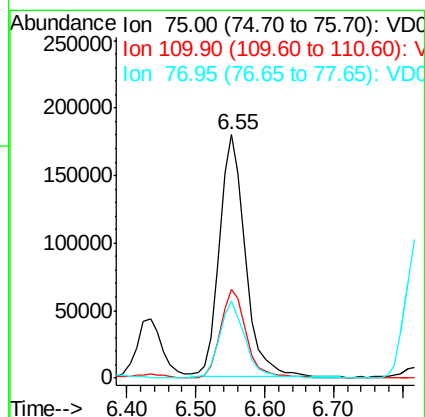
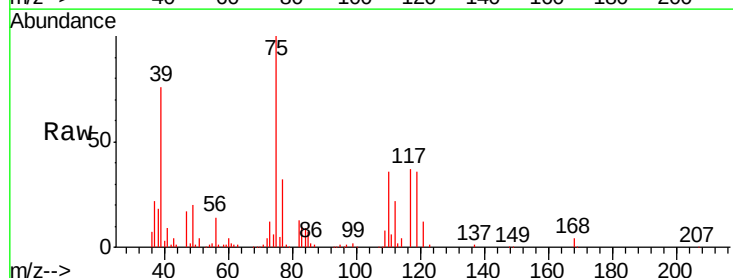
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

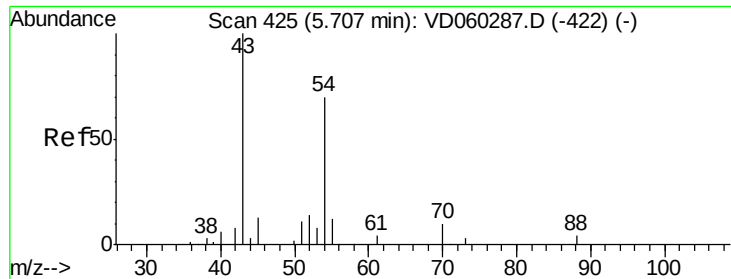
Tgt Ion: 113 Resp: 842591
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.6 122.4
 192 21.7 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 20.90 ug/l
 RT: 6.55 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 75 Resp: 467809
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.0 54.0
 77 31.9 25.6 38.4

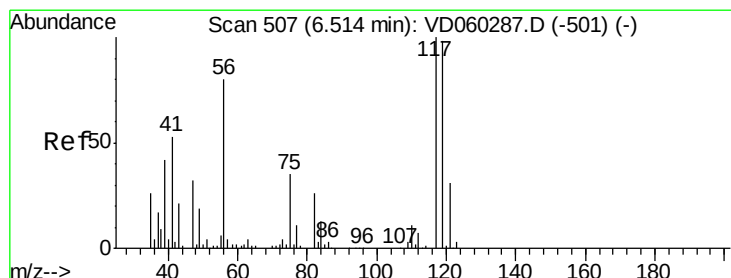
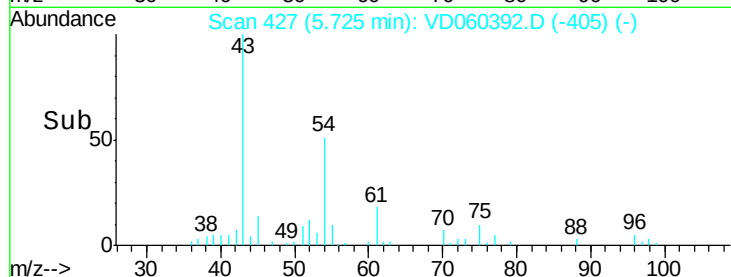
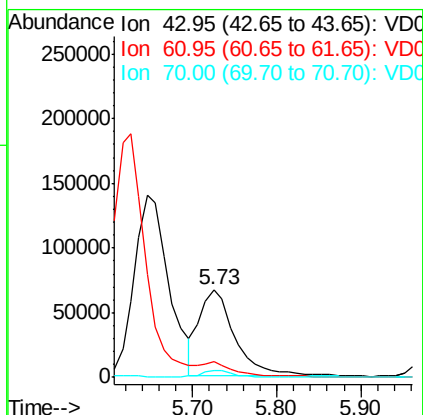
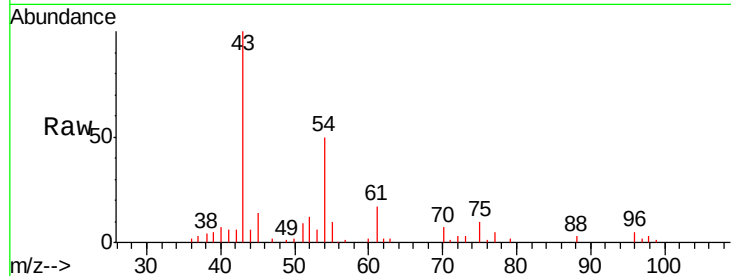




#37
Ethyl Acetate
 Concen: 19.01 ug/l
 RT: 5.73 min Scan# 427
 Delta R.T. 0.02 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

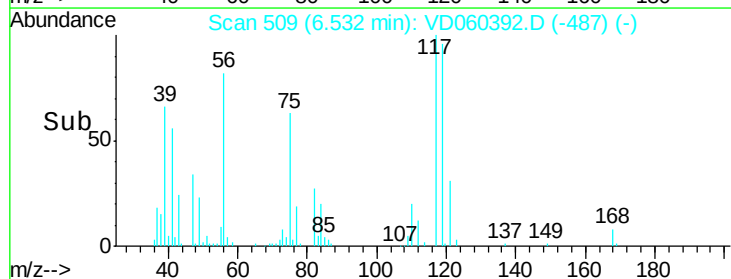
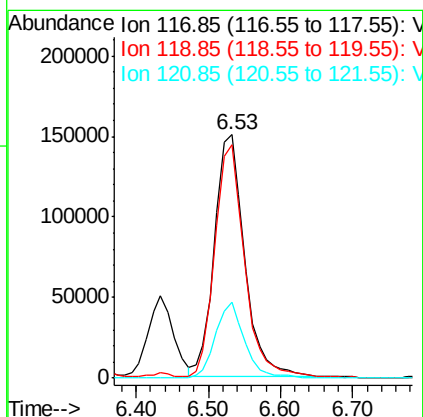
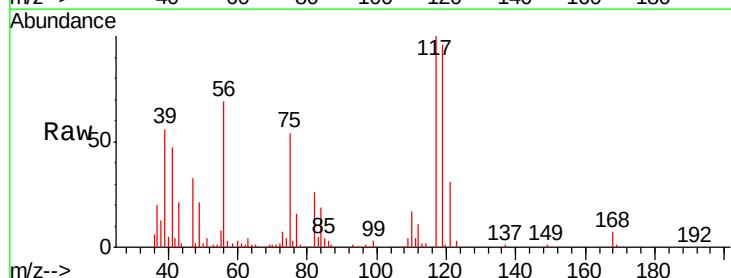
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1116SBS01

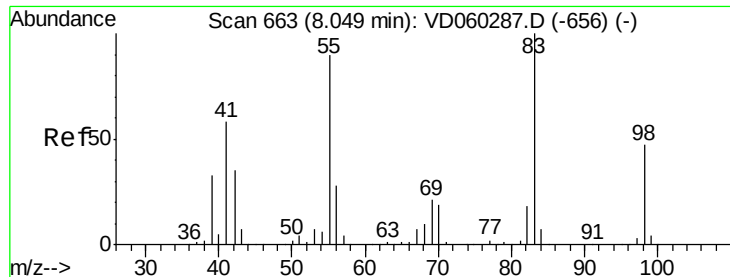
Tgt Ion: 43 Resp: 195742
 Ion Ratio Lower Upper
 43 100
 61 17.4 11.8 17.6
 70 7.1 6.2 9.4



#38
Carbon Tetrachloride
 Concen: 20.87 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 117 Resp: 433217
 Ion Ratio Lower Upper
 117 100
 119 95.8 76.6 115.0
 121 31.3 24.3 36.5

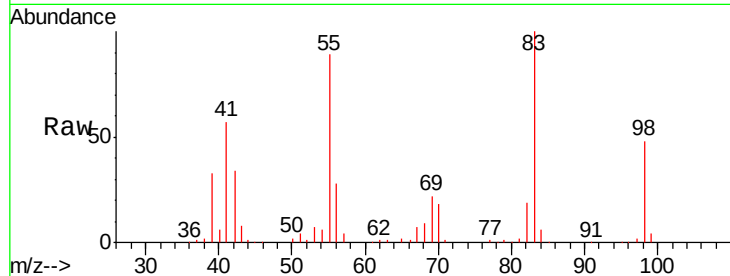




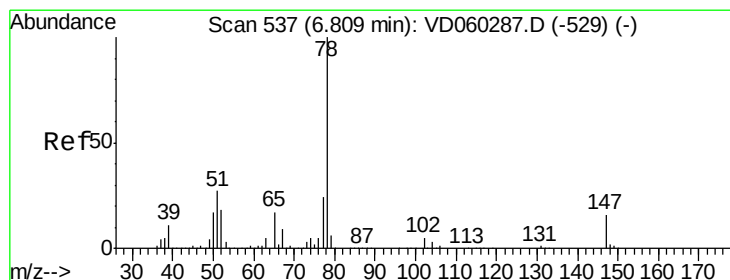
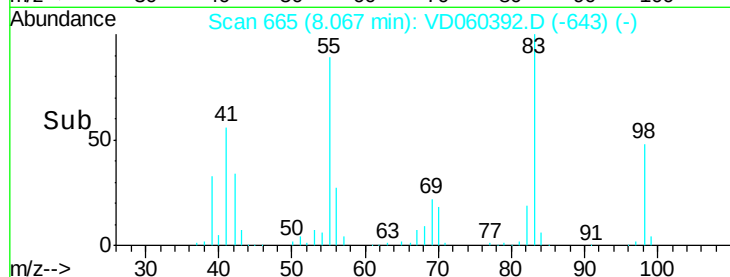
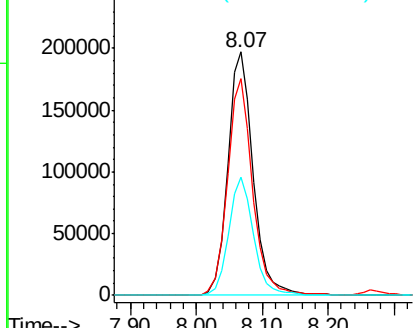
#39
Methylcyclohexane
Concen: 20.60 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tgt Ion: 83 Resp: 530389
Ion Ratio Lower Upper
83 100
55 89.1 71.2 106.8
98 48.5 38.4 57.6

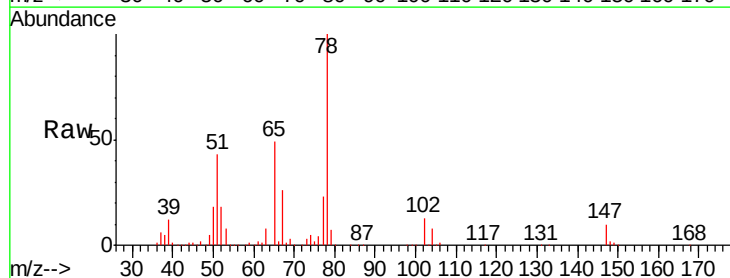


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

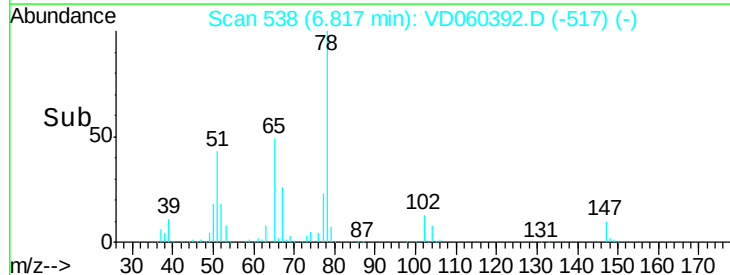
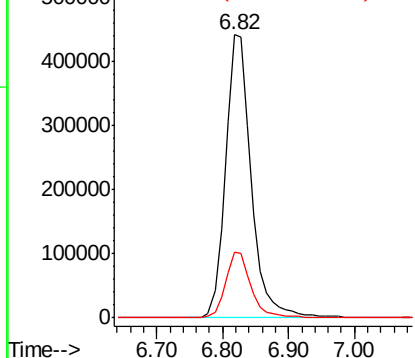


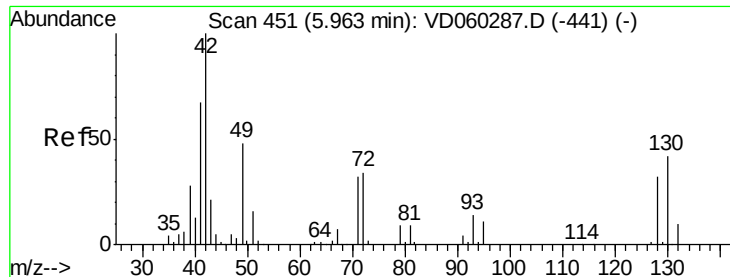
#40
Benzene
Concen: 21.08 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 78 Resp: 1204461
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



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

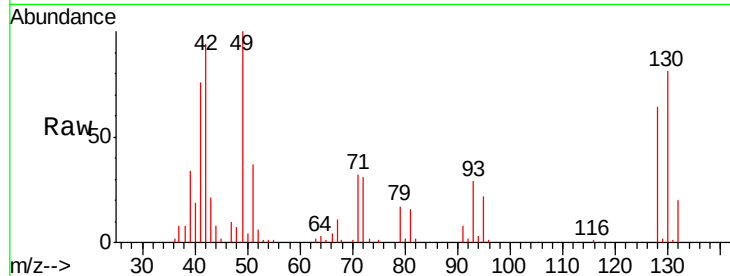




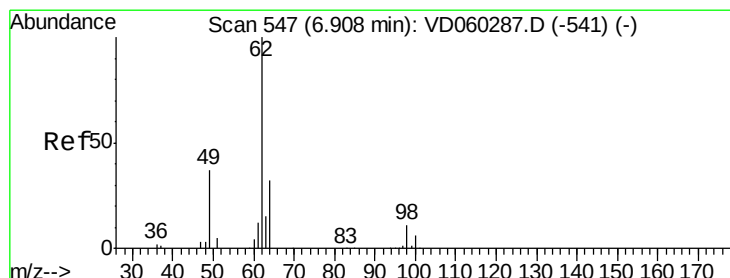
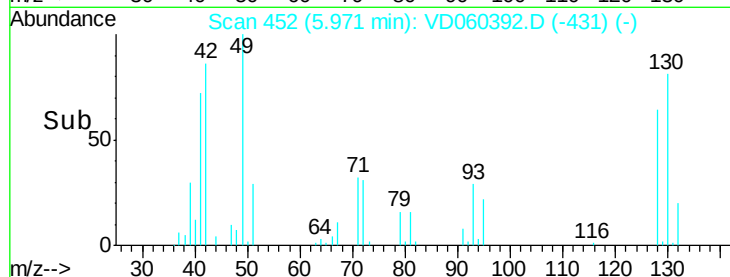
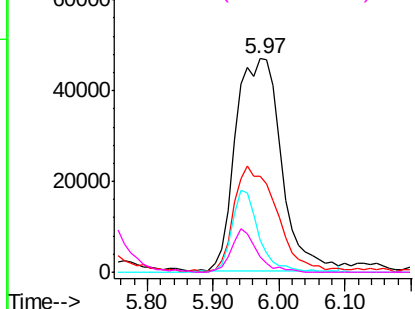
#41
Methacrylonitrile
Concen: 19.24 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tgt Ion:	41	Resp:	226728
Ion	Ratio	Lower	Upper
41	100		
39	45.1	36.2	54.2
67	15.0	11.9	17.9
52	7.3	5.2	7.8

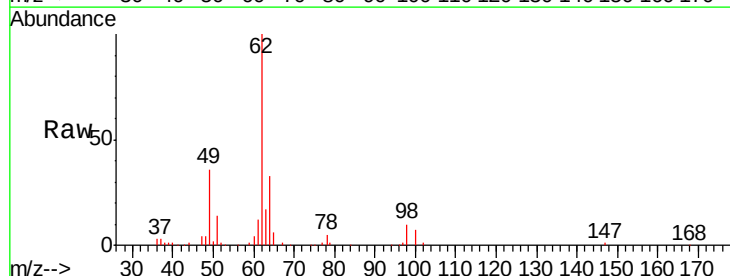


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

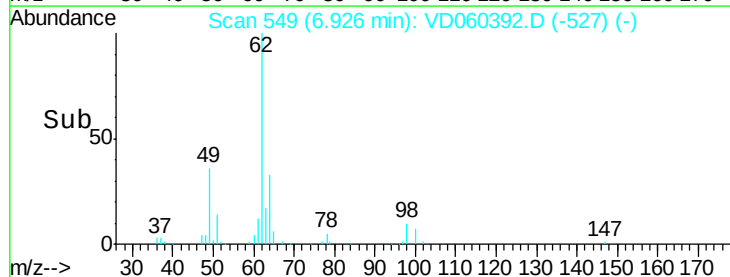
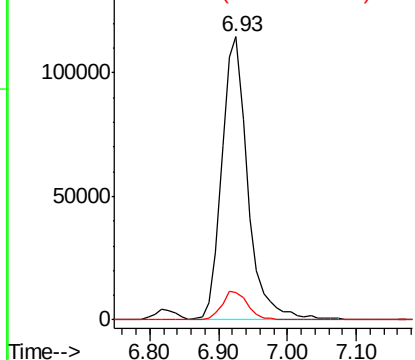


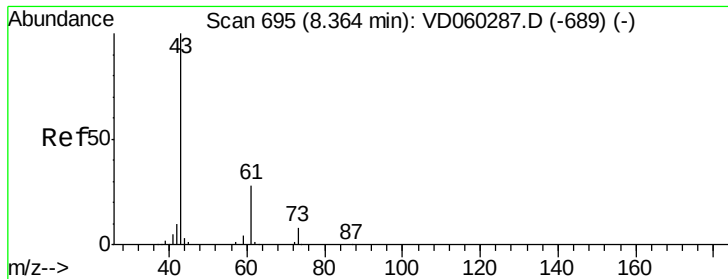
#42
1,2-Dichloroethane
Concen: 19.78 ug/l
RT: 6.93 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion:	62	Resp:	295727
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.54 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

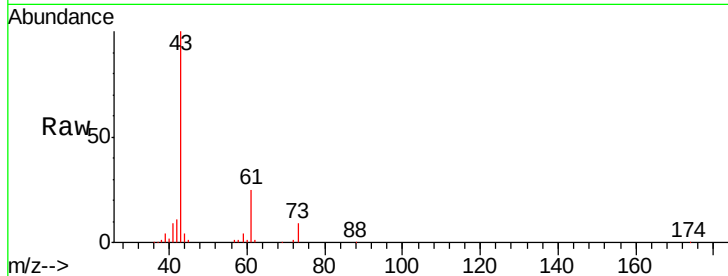
Tgt Ion: 43 Resp: 239837

Ion Ratio Lower Upper

43 100

61 25.4 22.3 33.5

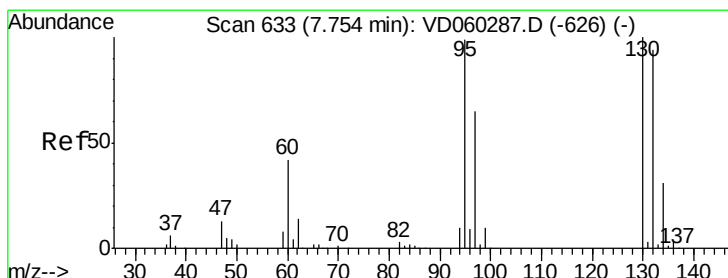
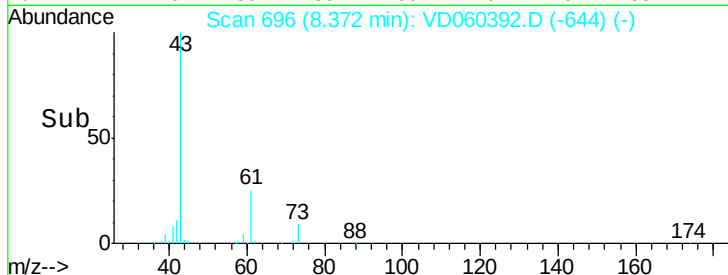
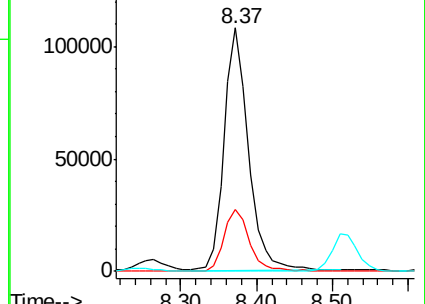
87 0.0 0.2 0.2#



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: 20.64 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060392.D

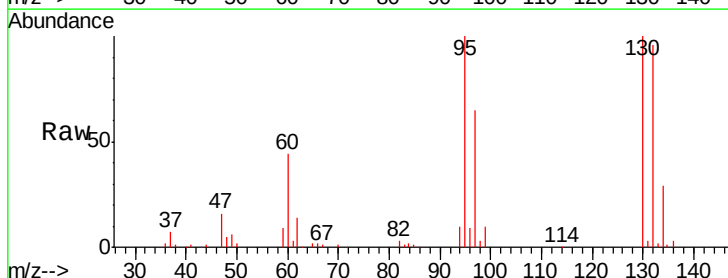
Acq: 16 Nov 2018 12:25

Tgt Ion: 130 Resp: 357387

Ion Ratio Lower Upper

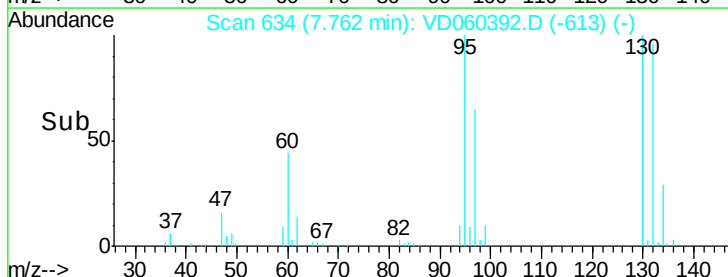
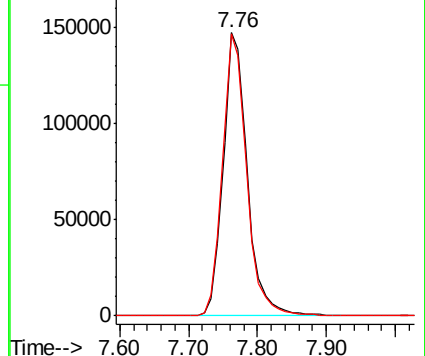
130 100

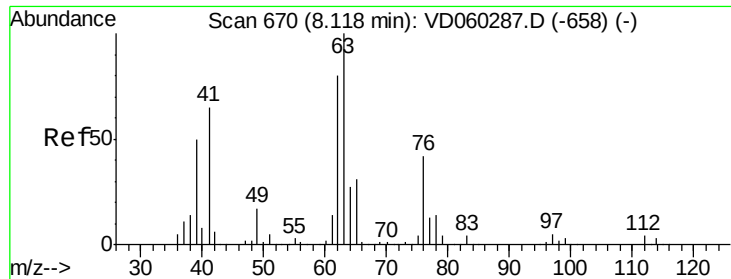
95 99.6 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.91 ug/l

RT: 8.13 min Scan# 671

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

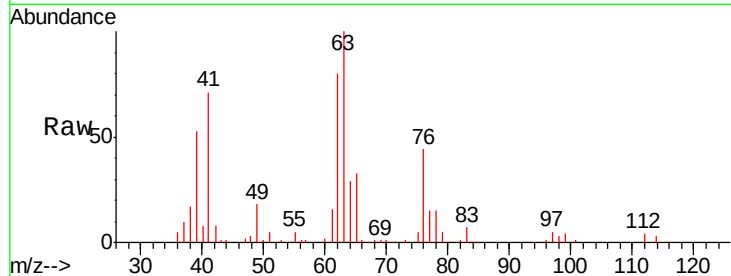
VD1116SBS01

Tgt Ion: 63 Resp: 301330

Ion Ratio Lower Upper

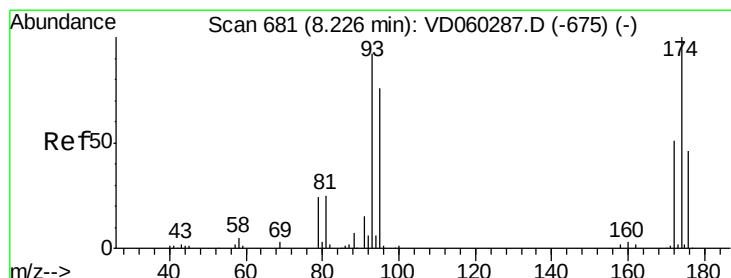
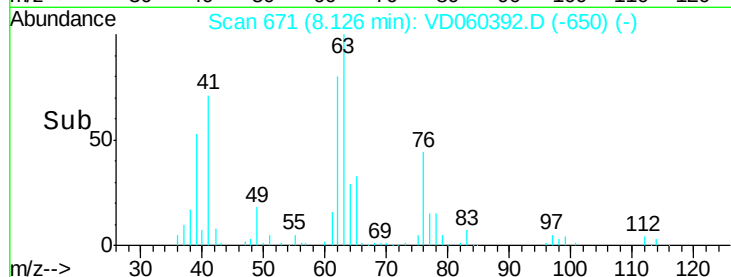
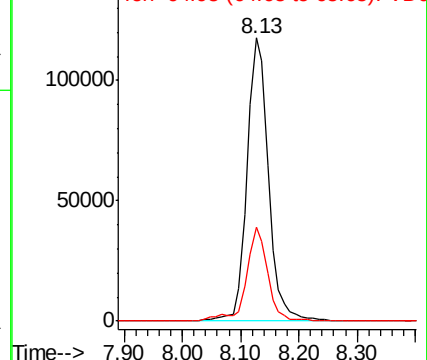
63 100

65 33.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.86 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

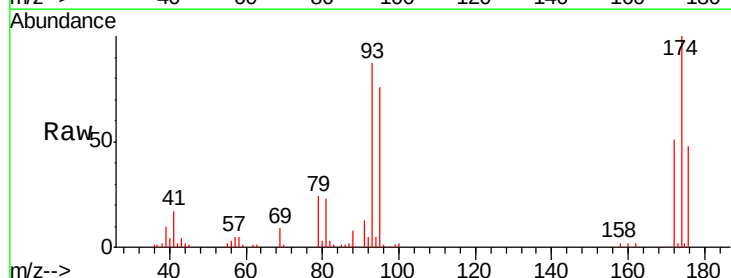
Tgt Ion: 93 Resp: 167566

Ion Ratio Lower Upper

93 100

95 86.6 66.4 99.6

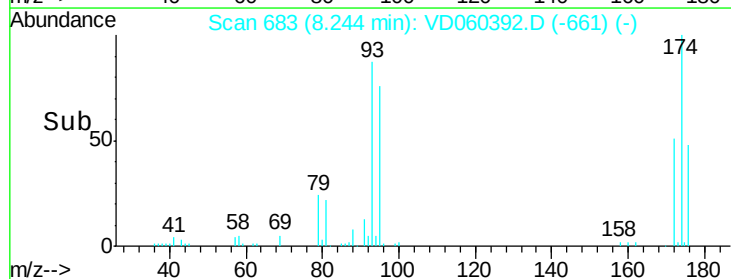
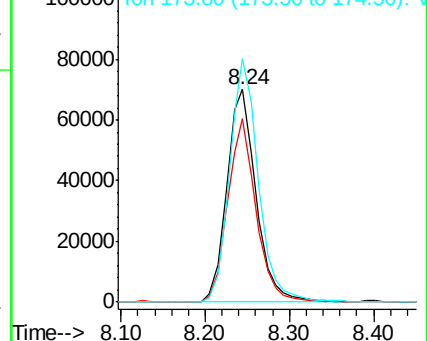
174 114.7 87.8 131.8

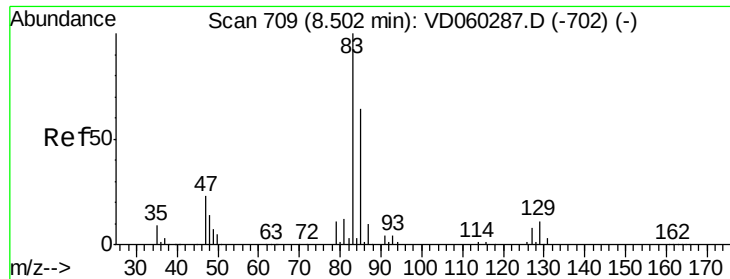


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 20.22 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

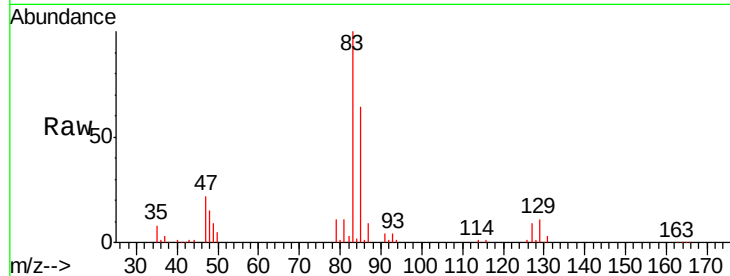
Tgt Ion: 83 Resp: 402151

Ion Ratio Lower Upper

83 100

85 64.2 51.0 76.6

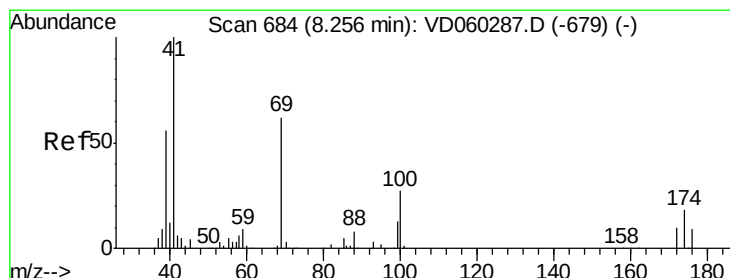
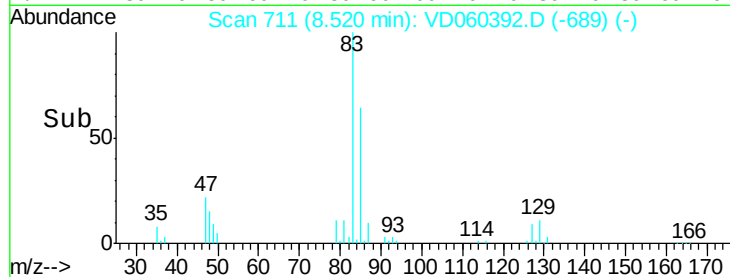
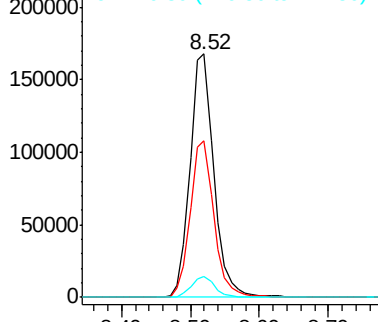
127 8.7 6.2 9.4



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: 19.70 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

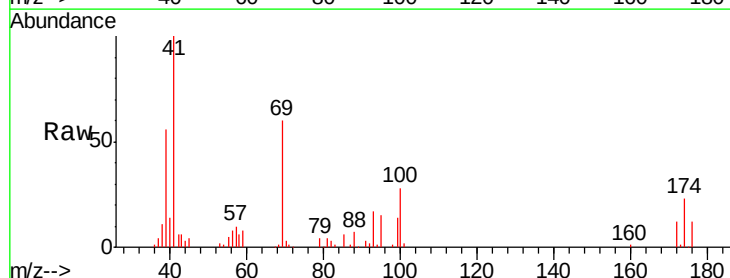
Tgt Ion: 41 Resp: 154768

Ion Ratio Lower Upper

41 100

69 60.3 47.0 70.4

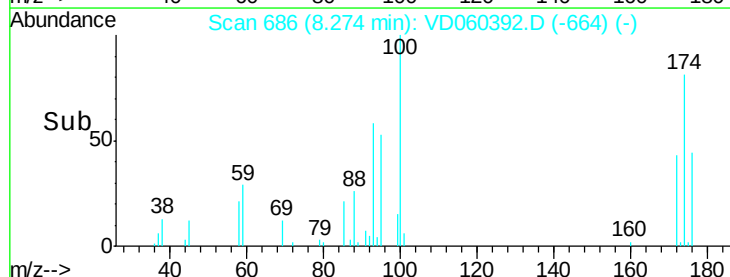
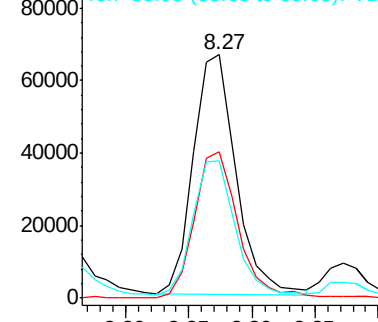
39 56.4 46.2 69.4

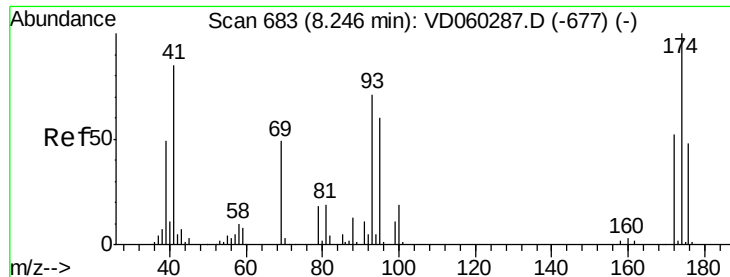


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 372.65 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

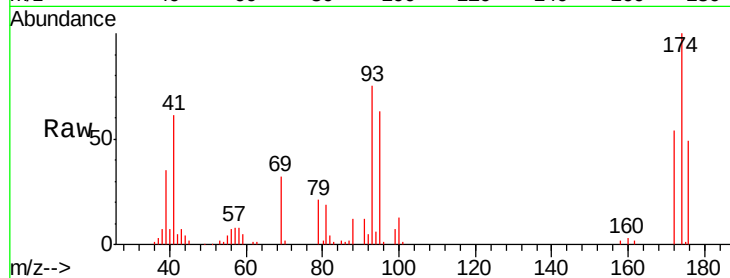
Tgt Ion: 88 Resp: 25336

Ion Ratio Lower Upper

88 100

43 58.9 39.7 59.5

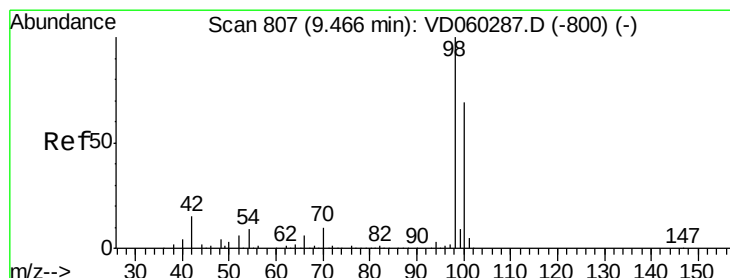
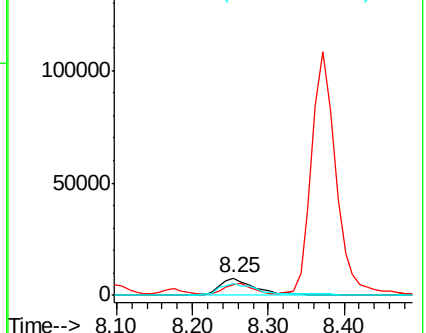
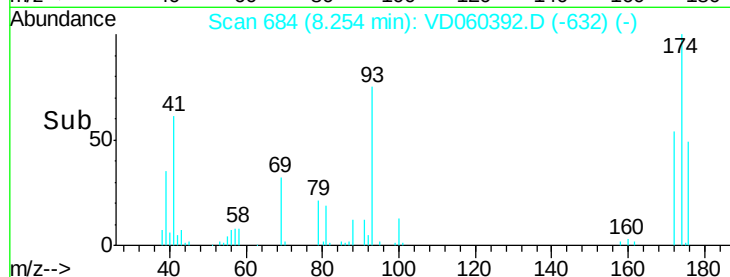
58 66.0 60.2 90.2



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: 372.65 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060392.D

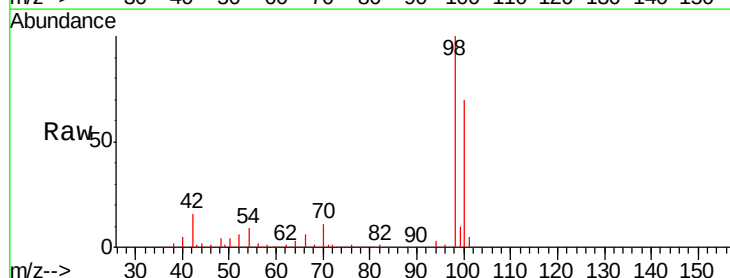
Acq: 16 Nov 2018 12:25

Tgt Ion: 98 Resp: 2431439

Ion Ratio Lower Upper

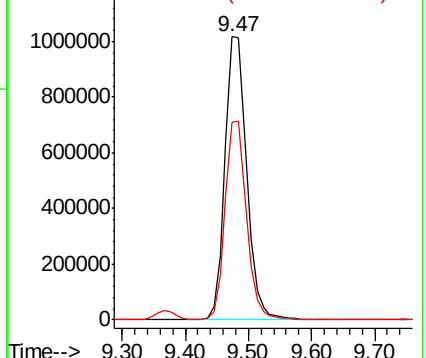
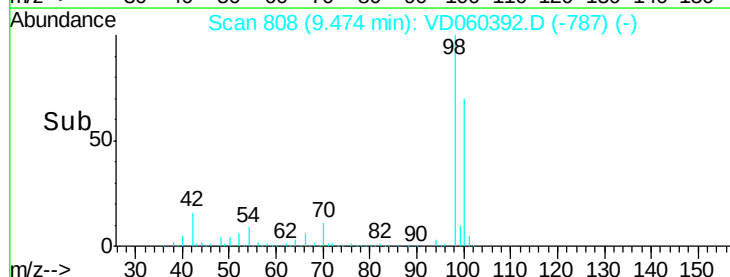
98 100

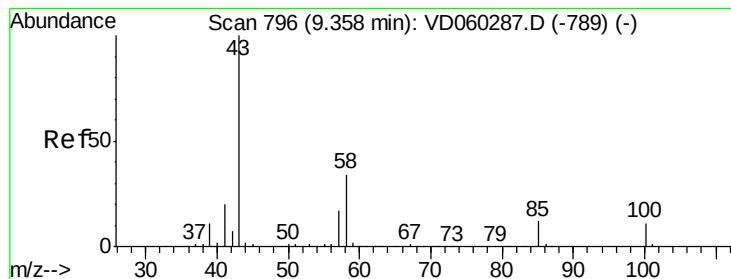
100 69.8 55.2 82.8



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: 96.87 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

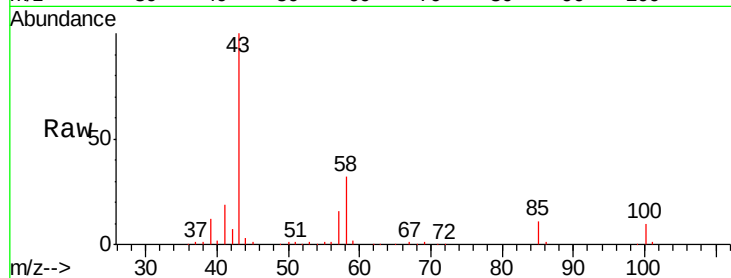
VD1116SBS01

Tgt Ion: 43 Resp: 815663

Ion Ratio Lower Upper

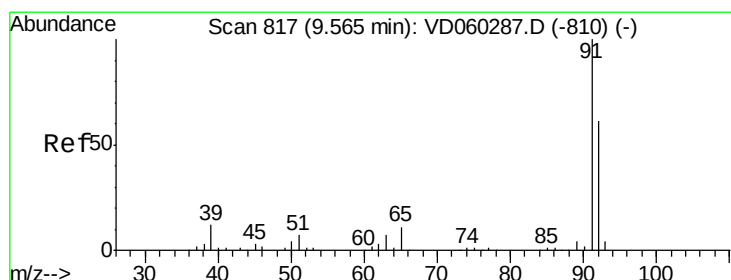
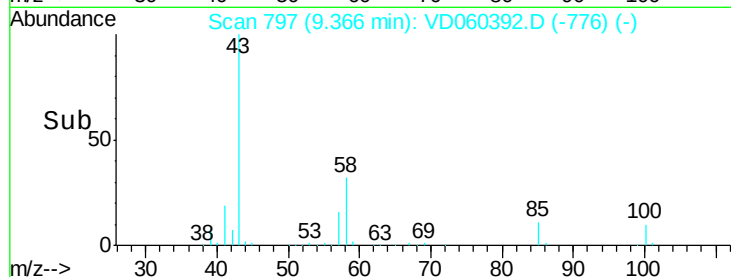
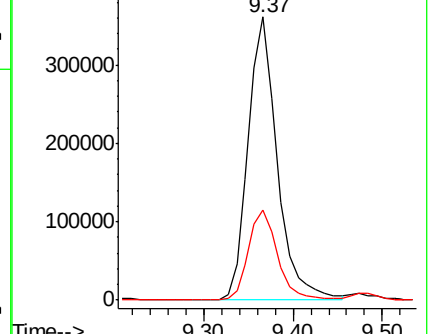
43 100

58 32.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.07 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060392.D

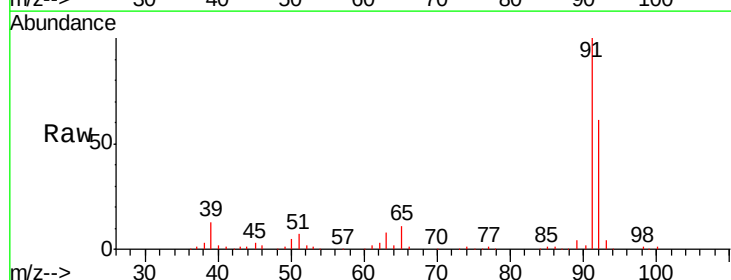
Acq: 16 Nov 2018 12:25

Tgt Ion: 92 Resp: 768853

Ion Ratio Lower Upper

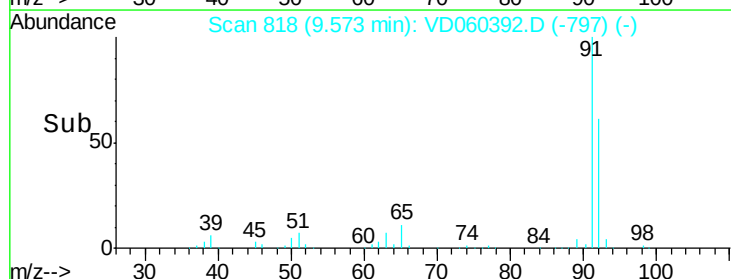
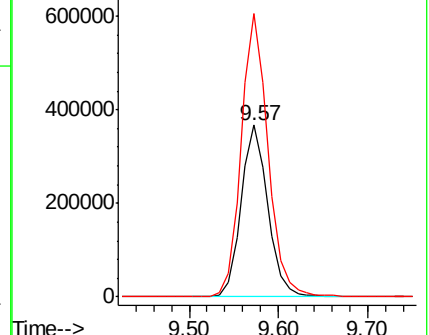
92 100

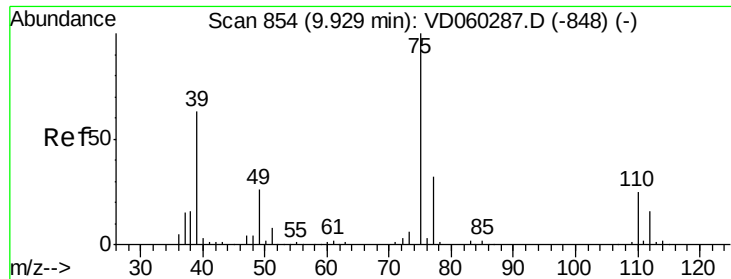
91 164.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.84 ug/l

RT: 9.94 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

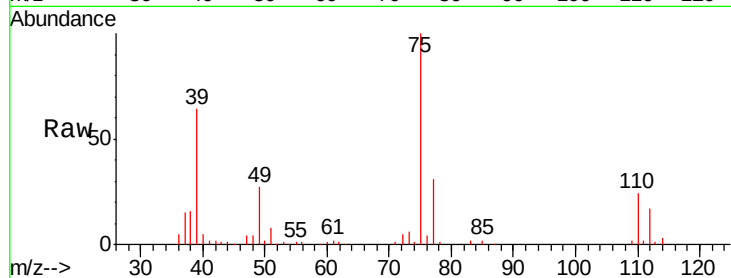
VD1116SBS01

Tgt Ion: 75 Resp: 333302

Ion Ratio Lower Upper

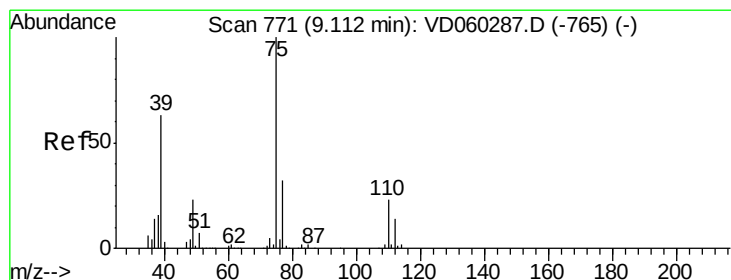
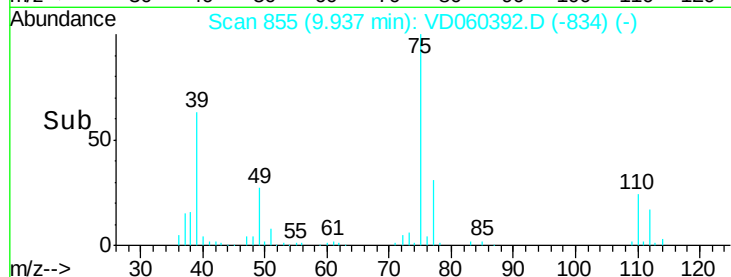
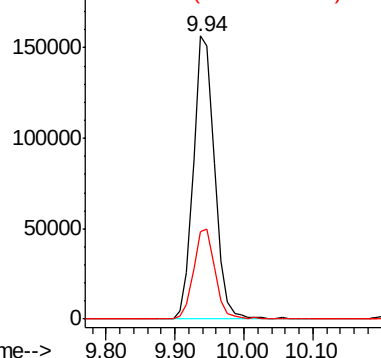
75 100

77 31.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.20 ug/l

RT: 9.13 min Scan# 773

Delta R.T. 0.02 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

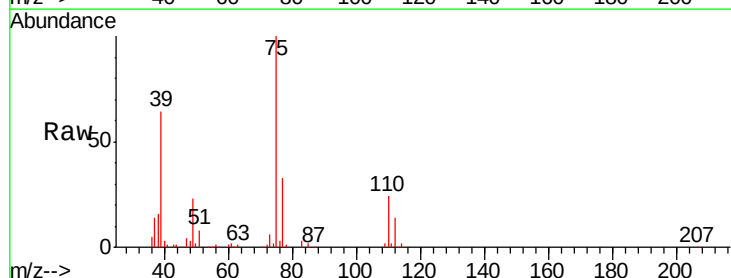
Tgt Ion: 75 Resp: 435316

Ion Ratio Lower Upper

75 100

77 32.6 26.3 39.5

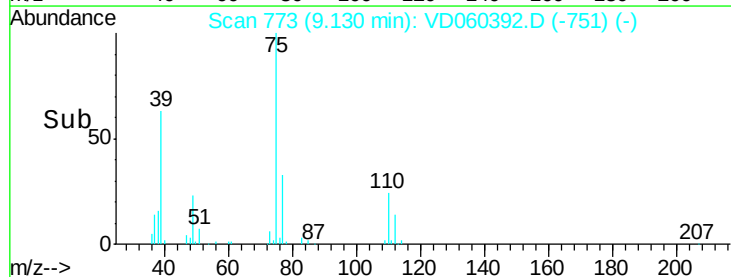
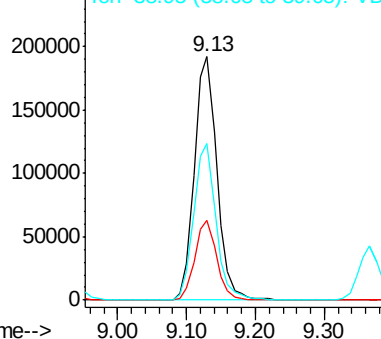
39 64.2 50.8 76.2

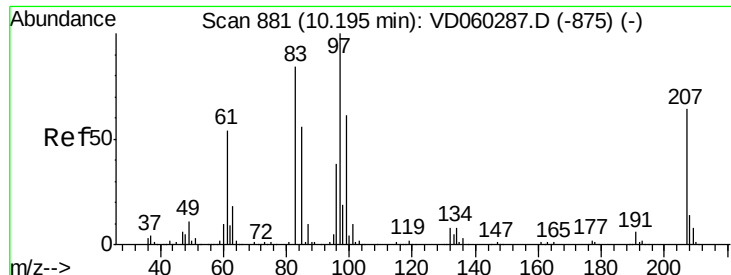


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

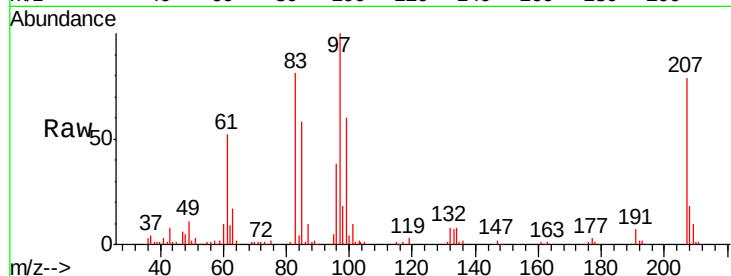




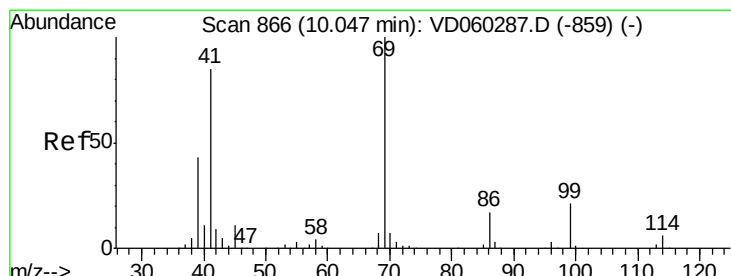
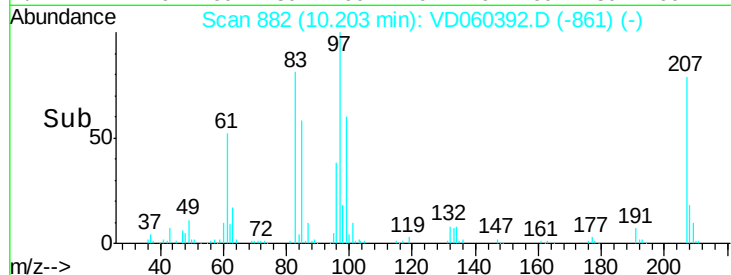
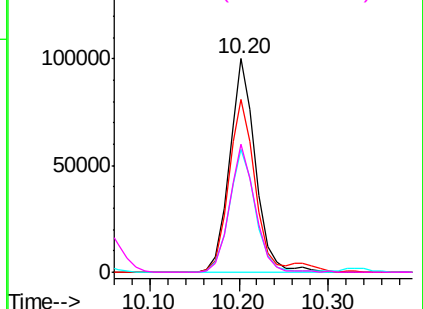
#55
 1,1,2-Trichloroethane
 Concen: 19.18 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tgt Ion:	97	Resp:	202916
Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.4	102.6
85	57.8	46.8	70.2
99	60.2	49.5	74.3

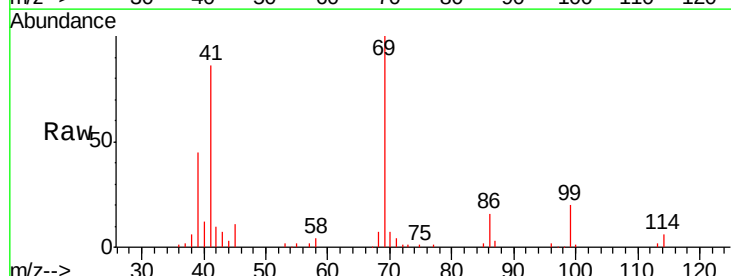


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

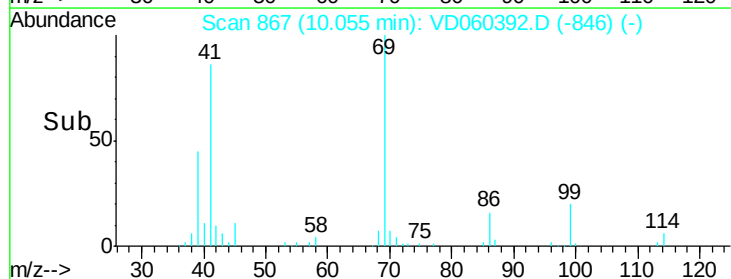
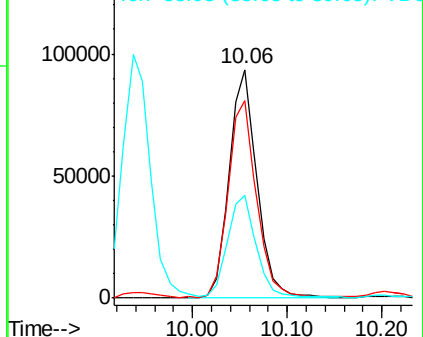


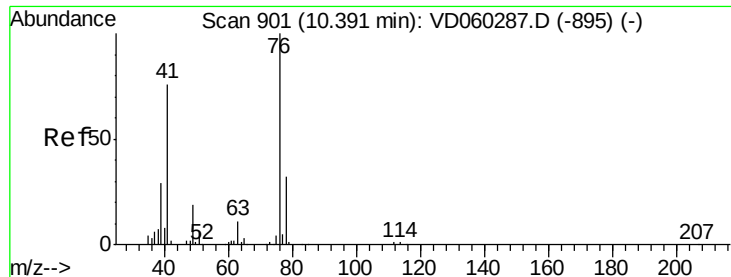
#56
 Ethyl methacrylate
 Concen: 19.44 ug/l
 RT: 10.06 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion:	69	Resp:	189084
Ion	Ratio	Lower	Upper
69	100		
41	86.4	69.0	103.4
39	44.7	36.6	54.8



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

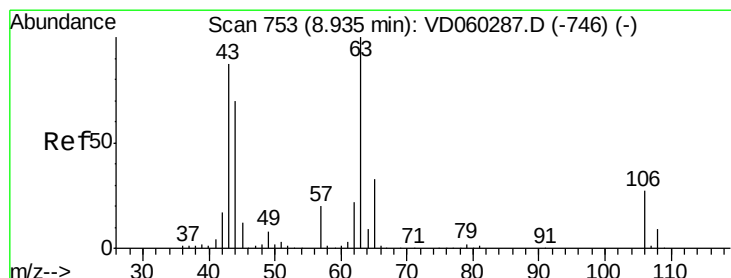
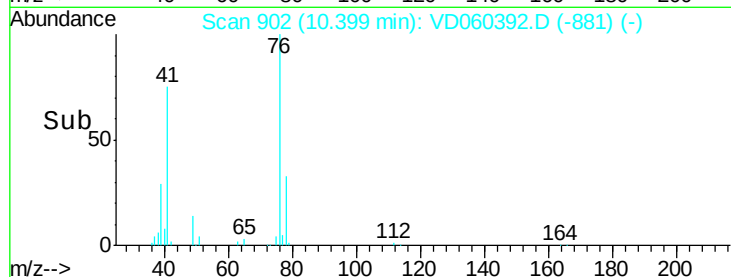
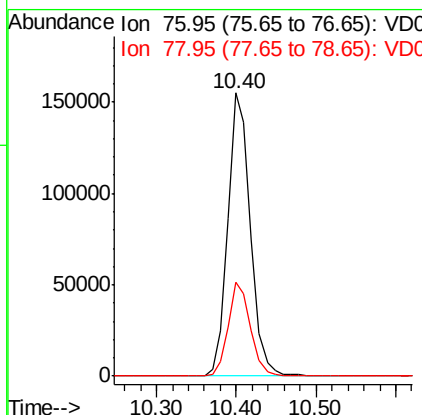
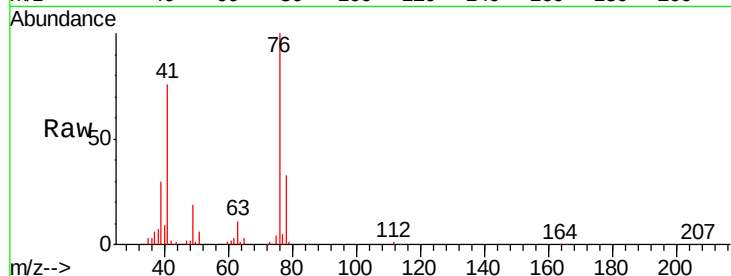




#57
 1,3-Dichloropropane
 Concen: 19.13 ug/l
 RT: 10.40 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

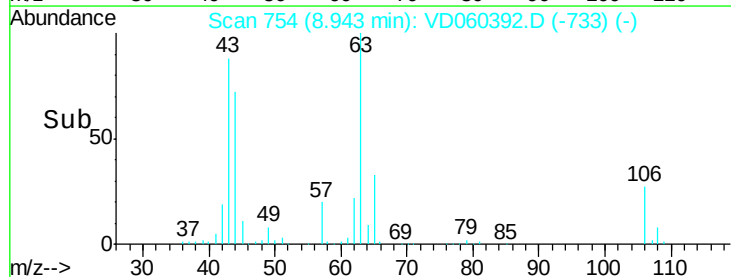
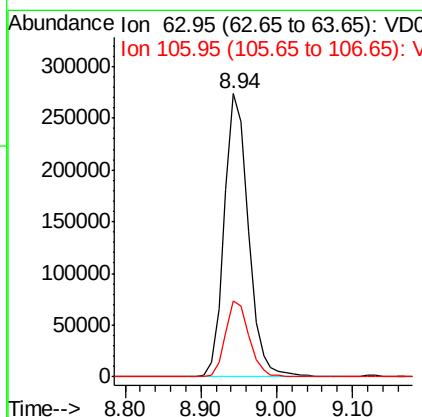
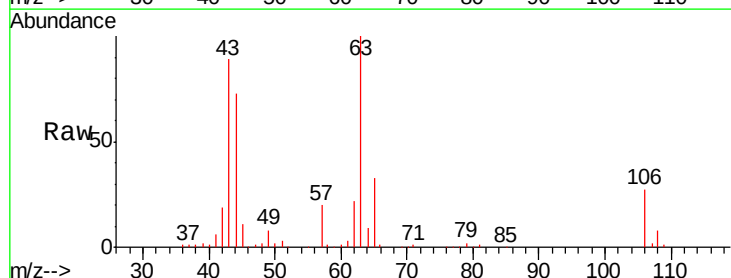
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

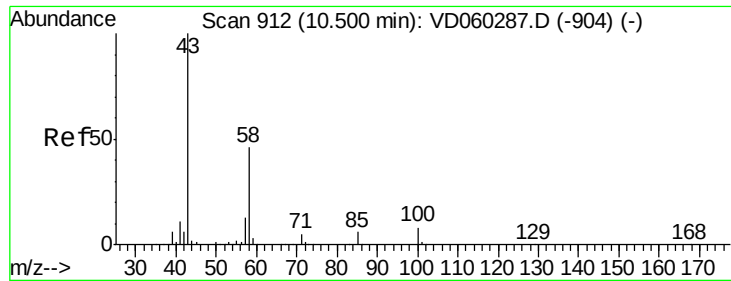
Tgt Ion: 76 Resp: 308386
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.69 ug/l
 RT: 8.94 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 63 Resp: 603832
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.5 32.3

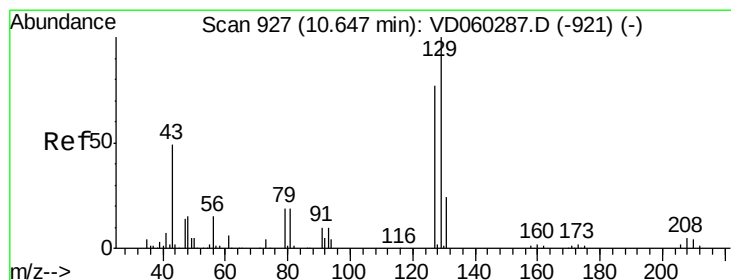
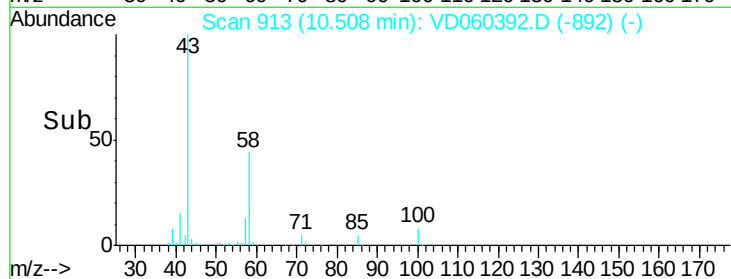
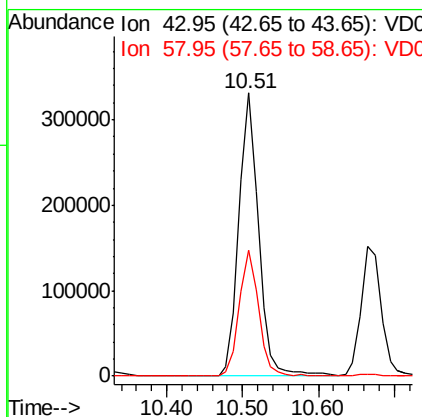
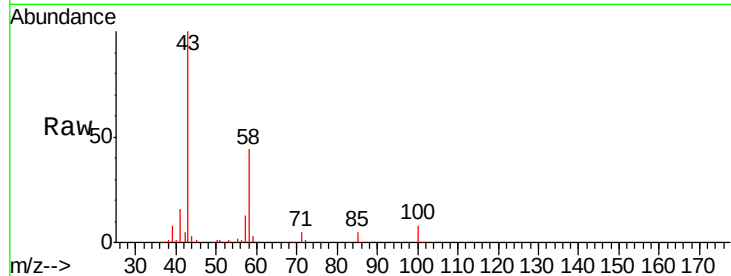




#59
2-Hexanone
Concen: 99.37 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

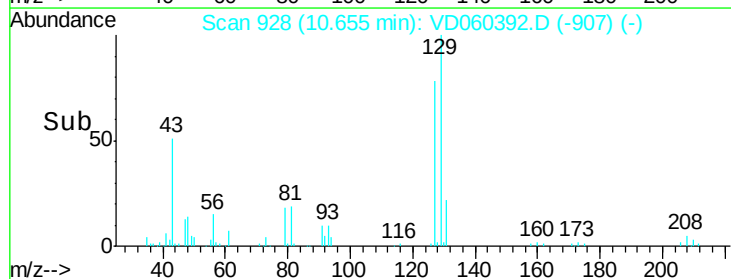
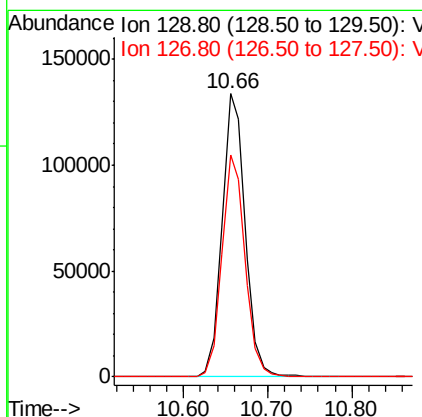
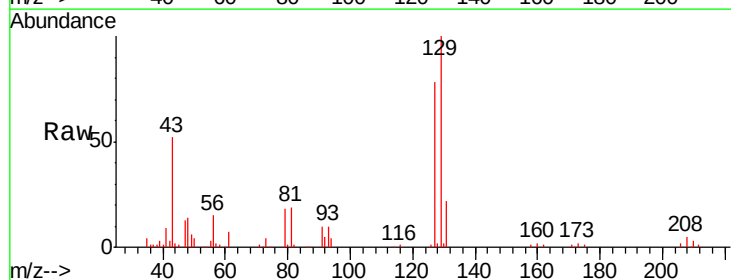
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

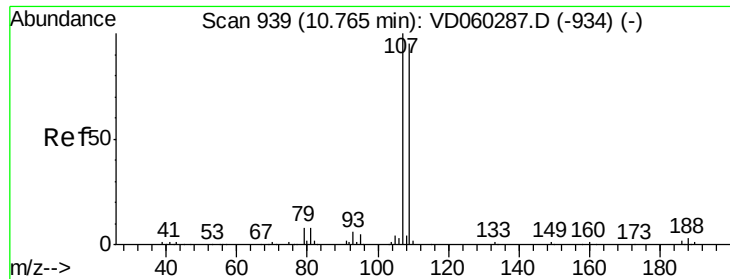
Tgt Ion: 43 Resp: 596338
Ion Ratio Lower Upper
43 100
58 44.3 22.9 68.5



#60
Dibromochloromethane
Concen: 19.69 ug/l
RT: 10.66 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 129 Resp: 253218
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6

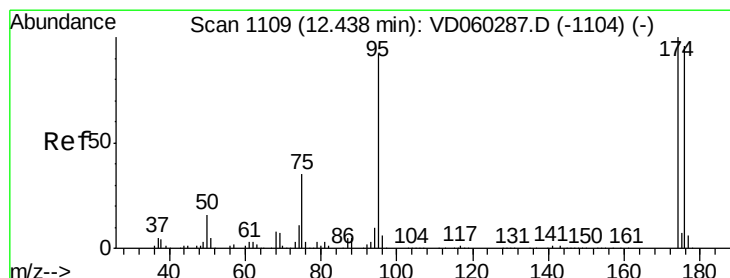
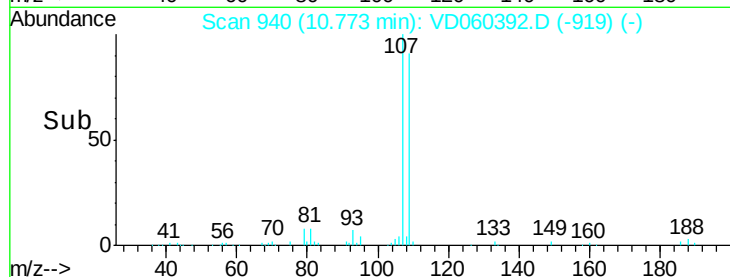
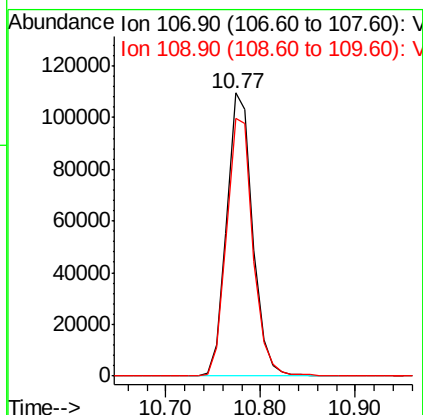
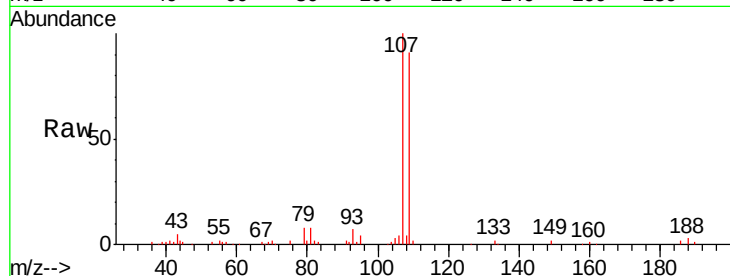




#61
 1,2-Dibromoethane
 Concen: 19.57 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

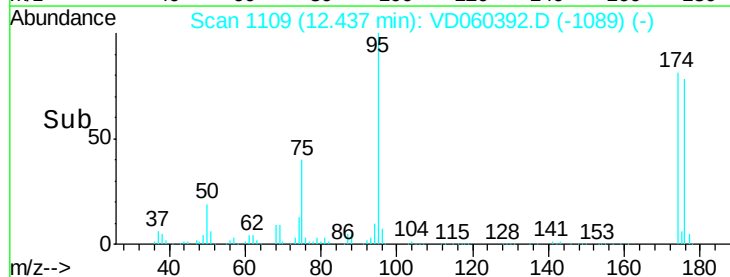
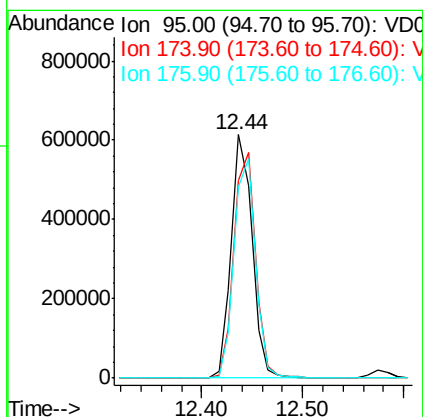
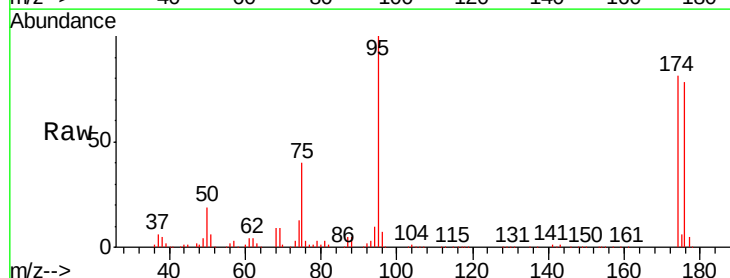
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

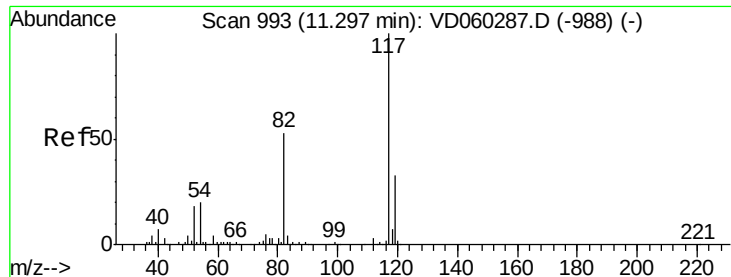
Tgt Ion: 107 Resp: 207420
 Ion Ratio Lower Upper
 107 100
 109 91.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.57 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 95 Resp: 881803
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 160.8
 176 78.4 0.0 154.6

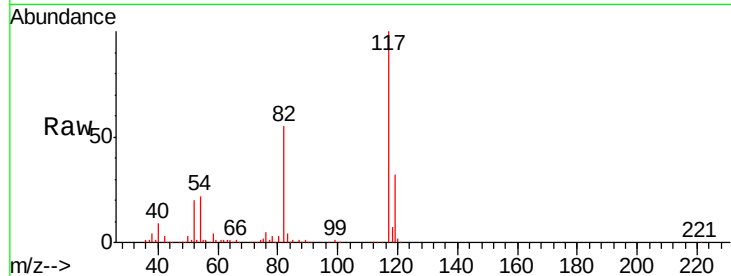




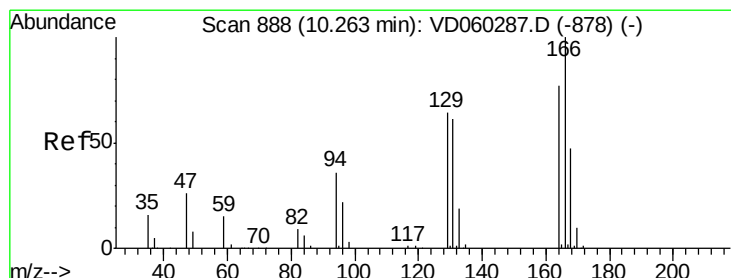
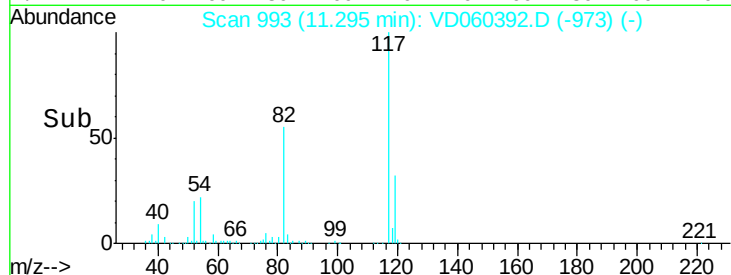
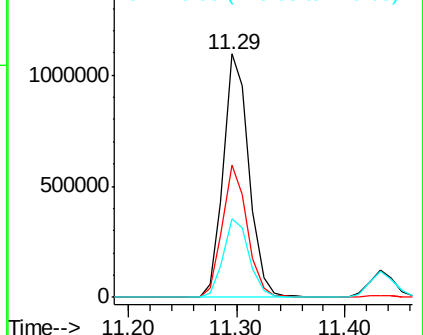
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tgt Ion:117 Resp: 1810197
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 32.2 26.1 39.1

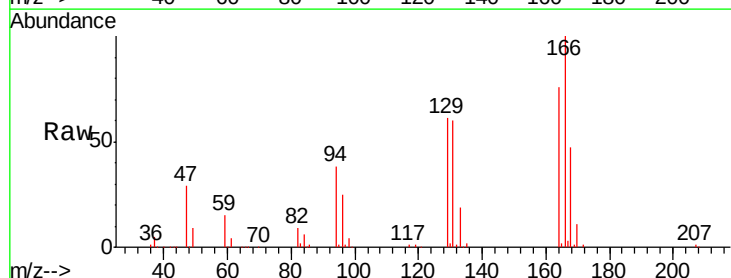


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

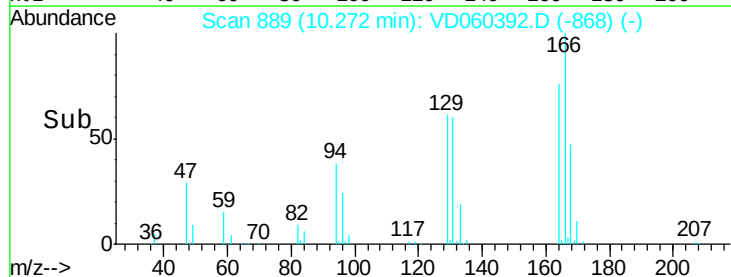
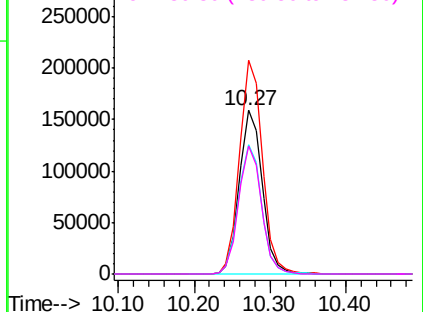


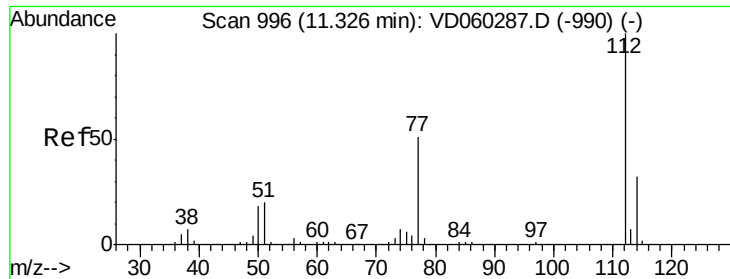
#64
Tetrachloroethene
Concen: 20.60 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion:164 Resp: 332968
Ion Ratio Lower Upper
164 100
166 130.8 103.7 155.5
129 79.5 65.6 98.4
131 78.0 64.4 96.6



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

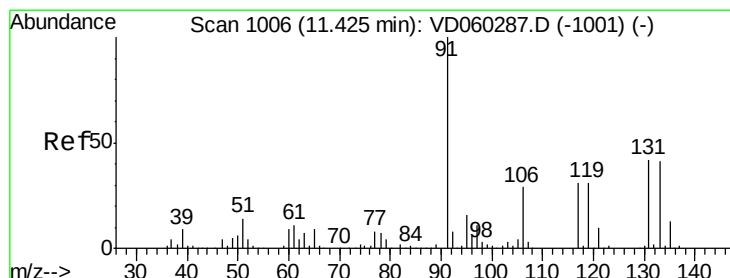
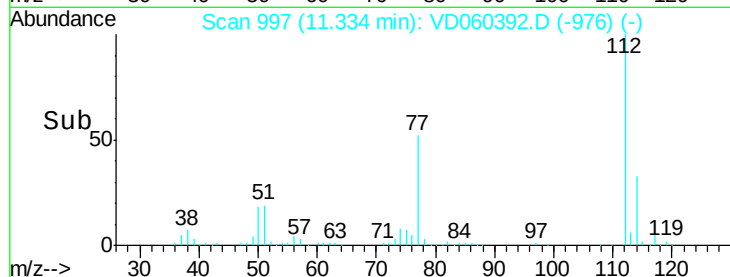
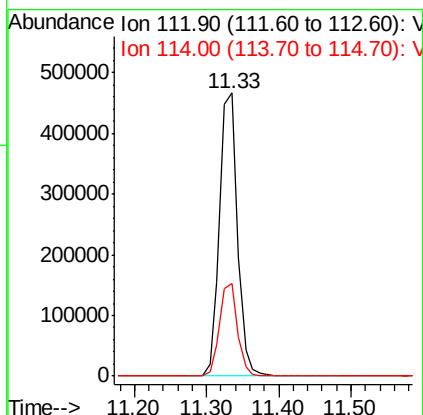
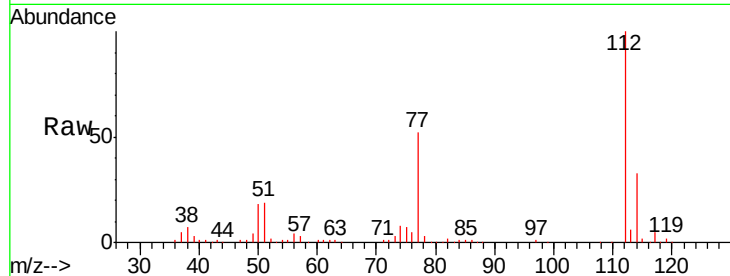




#65
Chlorobenzene
Concen: 20.39 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

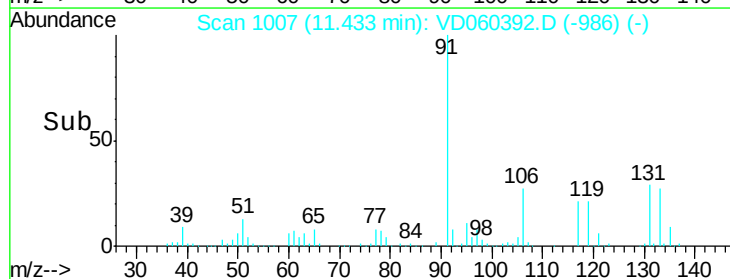
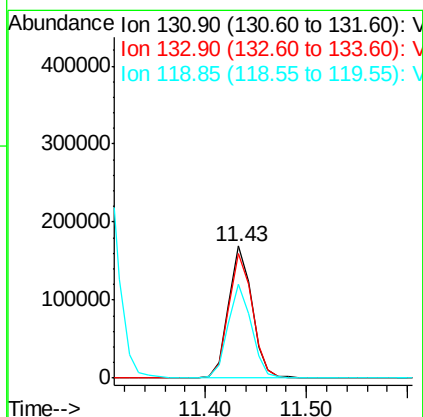
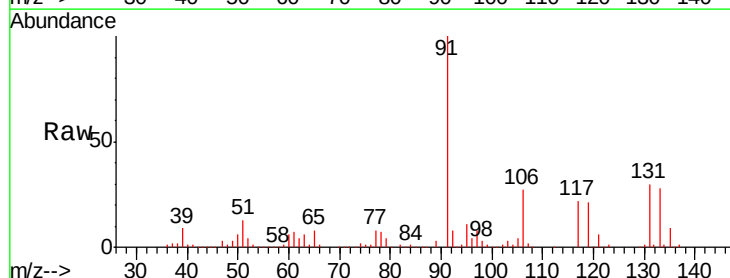
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

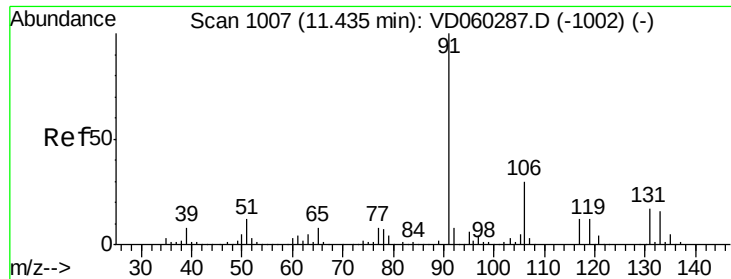
Tgt Ion:112 Resp: 799877
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.23 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion:131 Resp: 272399
Ion Ratio Lower Upper
131 100
133 94.8 50.0 150.0
119 71.1 37.0 111.1

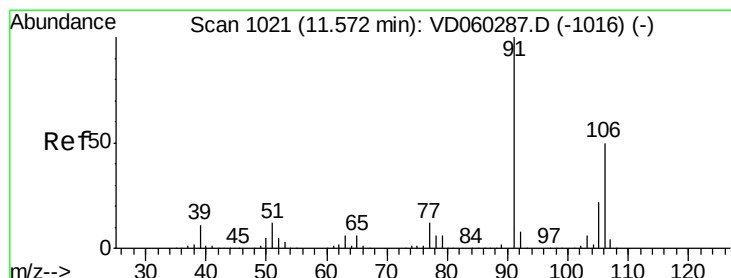
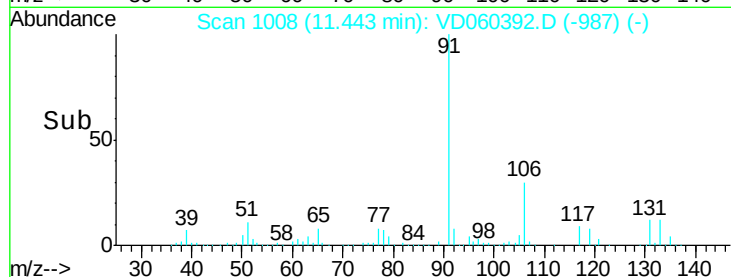
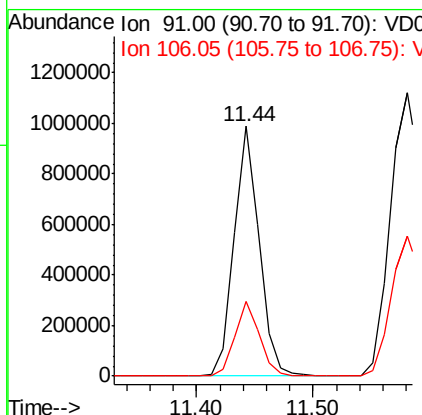
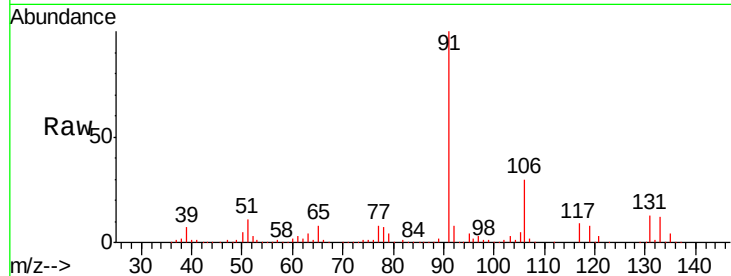




#67
Ethyl Benzene
Concen: 21.97 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

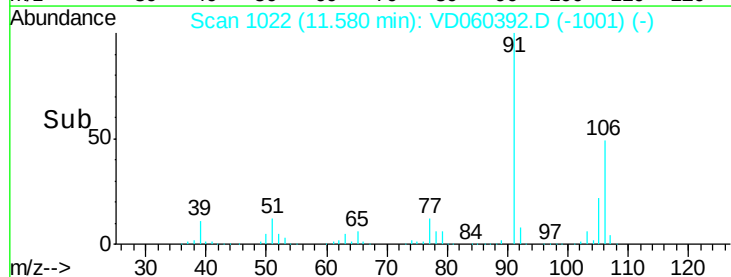
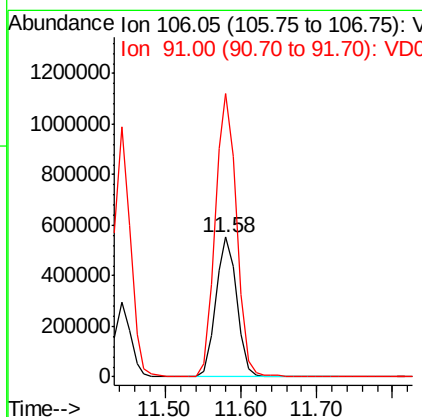
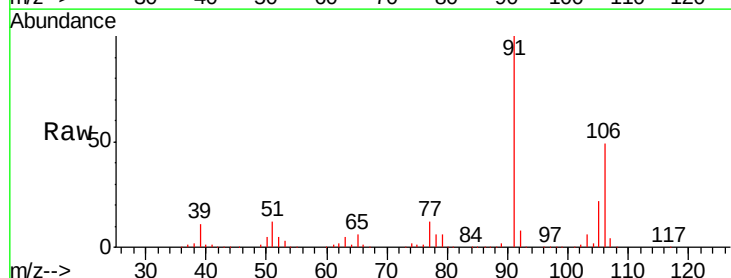
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

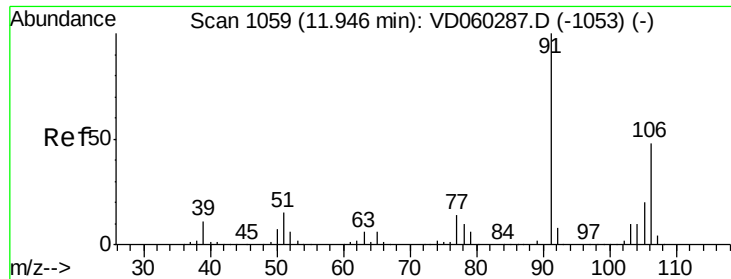
Tgt Ion: 91 Resp: 1474157
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8



#68
m/p-Xylenes
Concen: 43.38 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 106 Resp: 1073571
Ion Ratio Lower Upper
106 100
91 202.4 159.4 239.2

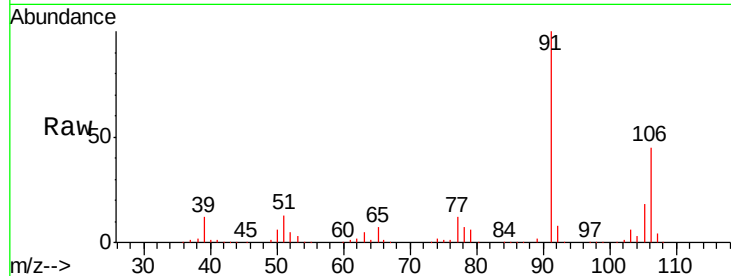




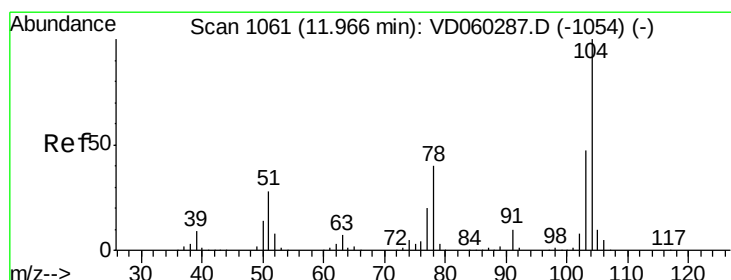
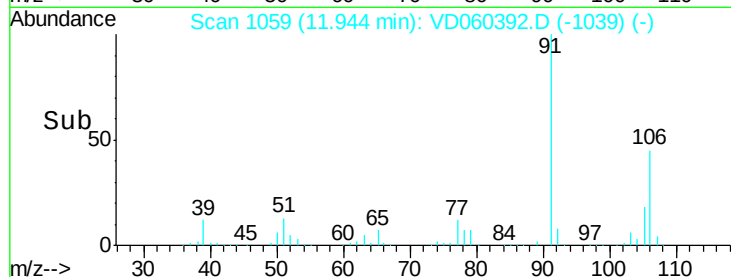
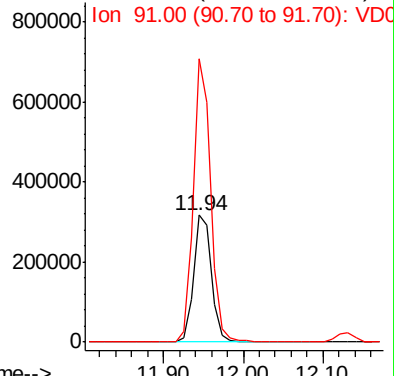
#69
o-Xylene
Concen: 21.05 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tgt Ion:106 Resp: 503235
Ion Ratio Lower Upper
106 100
91 223.3 109.2 327.6

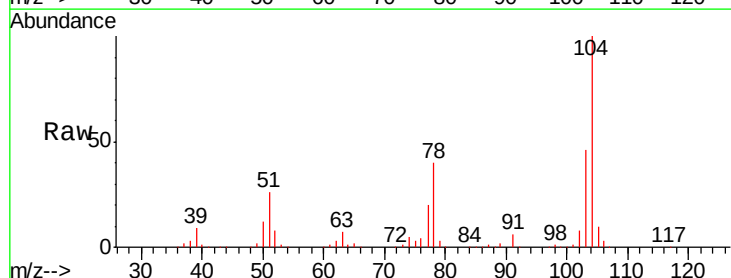


Abundance Ion 106.05 (105.75 to 106.75): V

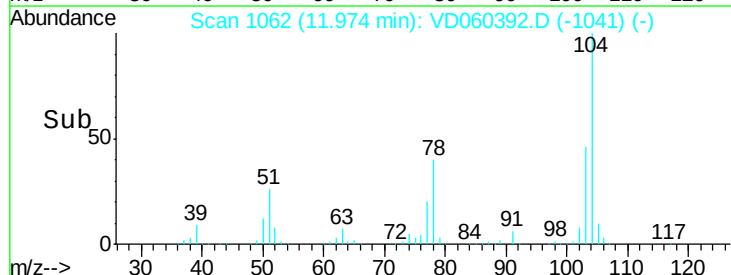
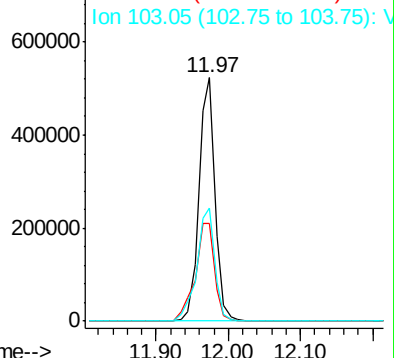


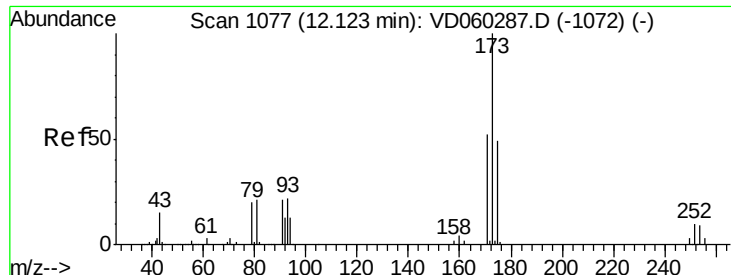
#70
Styrene
Concen: 20.82 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion:104 Resp: 804379
Ion Ratio Lower Upper
104 100
78 40.3 31.6 47.4
103 46.4 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V

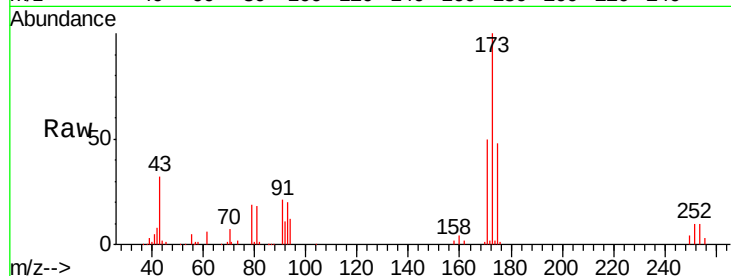




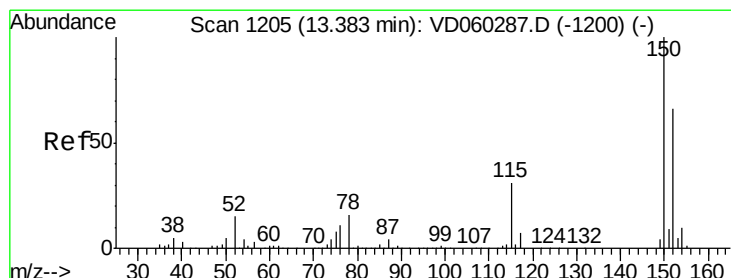
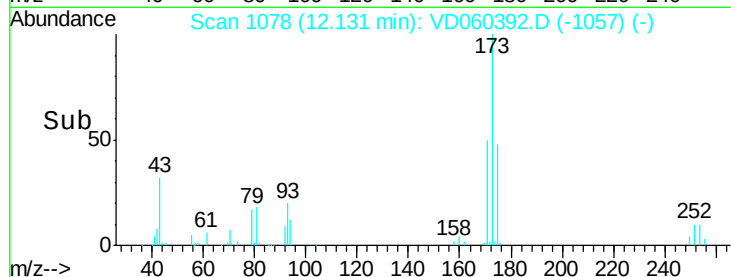
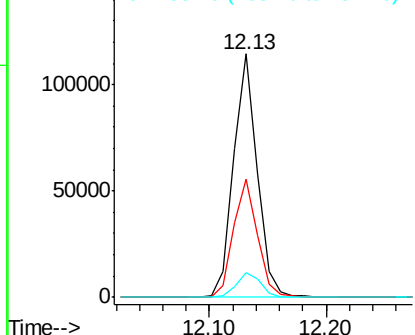
#71
Bromoform
Concen: 18.66 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tgt Ion:173 Resp: 160893
Ion Ratio Lower Upper
173 100
175 48.5 24.3 73.0
254 9.9 8.3 12.5

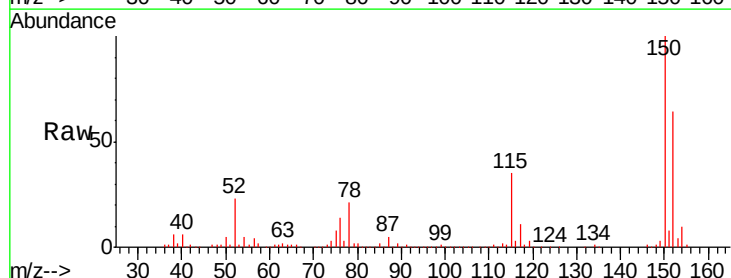


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

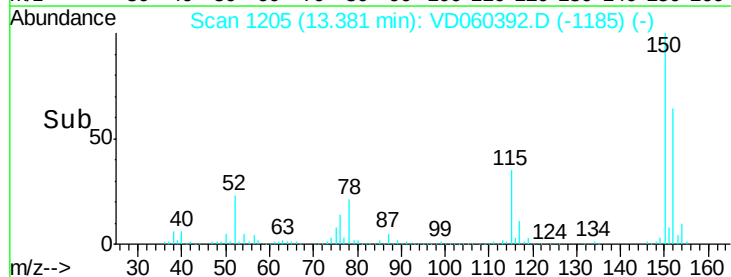
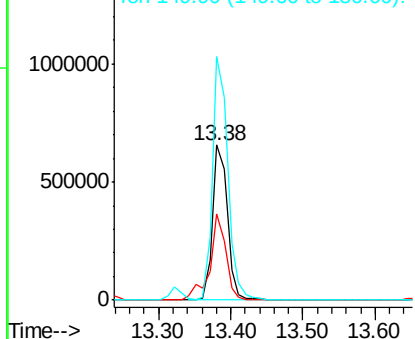


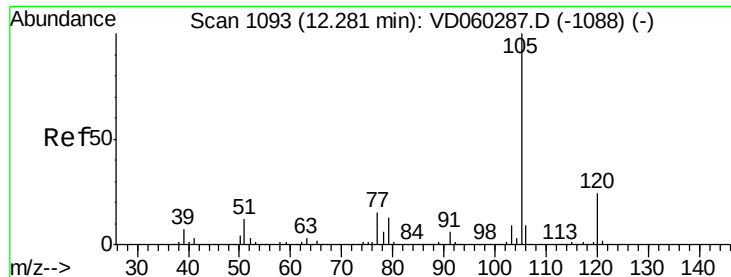
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion:152 Resp: 926869
Ion Ratio Lower Upper
152 100
115 55.6 24.1 72.3
150 157.1 0.0 310.6



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: 21.12 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

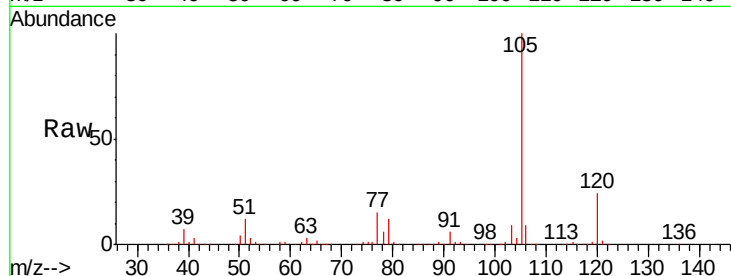
VD1116SBS01

Tgt Ion:105 Resp: 1426200

Ion Ratio Lower Upper

105 100

120 23.9 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

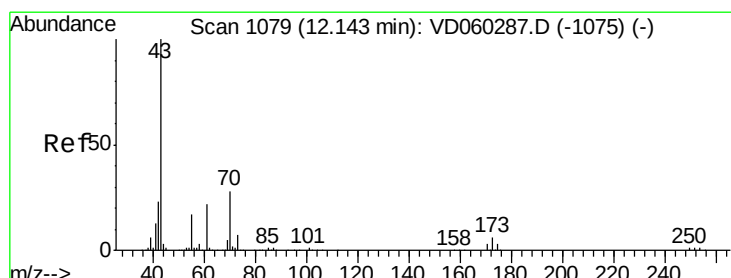
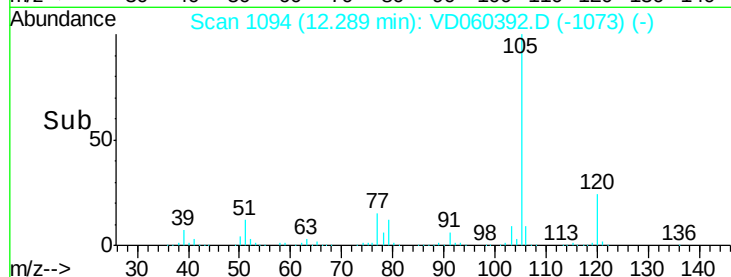
0

12.29

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 18.62 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Tgt Ion: 43 Resp: 322295

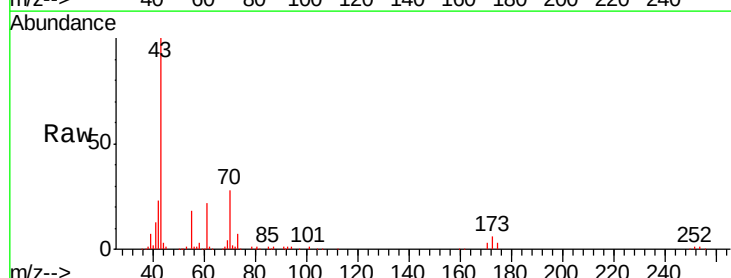
Ion Ratio Lower Upper

43 100

70 28.3 23.0 34.4

55 18.1 14.2 21.4

61 22.4 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

200000

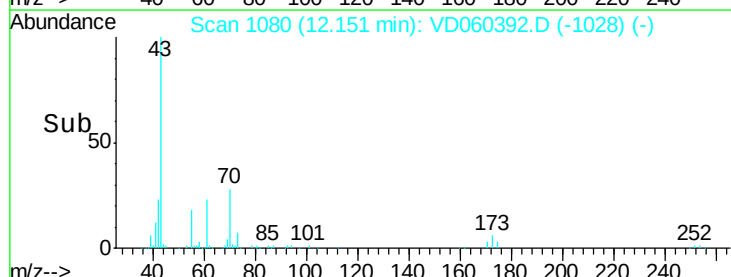
100000

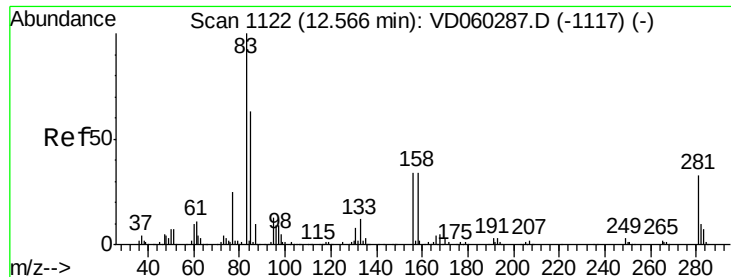
0

12.15

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.49 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

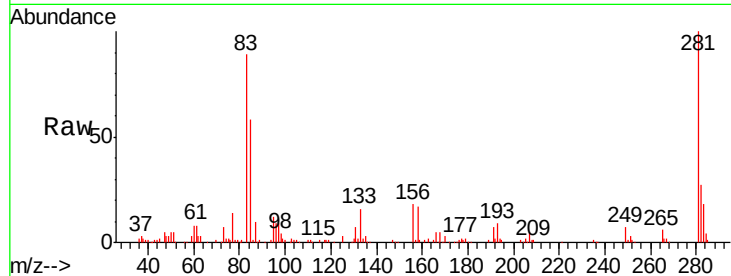
Tgt Ion: 83 Resp: 204207

Ion Ratio Lower Upper

83 100

131 7.5 3.9 11.5

85 64.8 32.0 96.0



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

12.57

150000

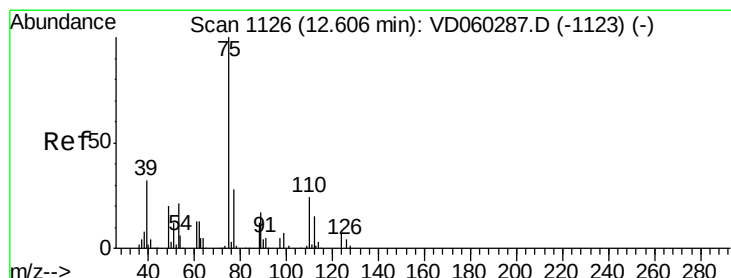
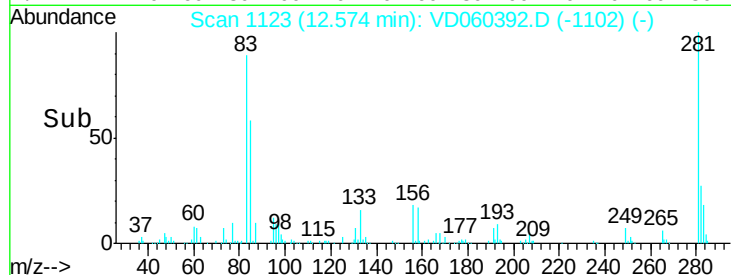
100000

50000

0

12.50 12.60 12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.47 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060392.D

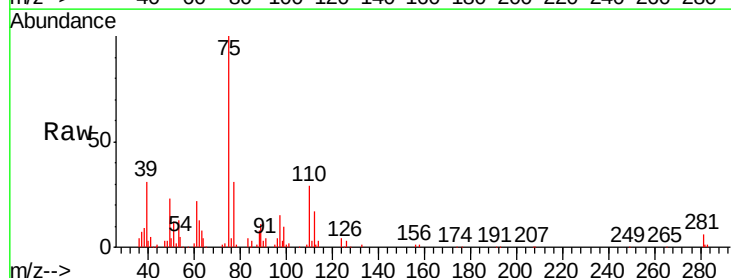
Acq: 16 Nov 2018 12:25

Tgt Ion: 75 Resp: 215862

Ion Ratio Lower Upper

75 100

77 31.4 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

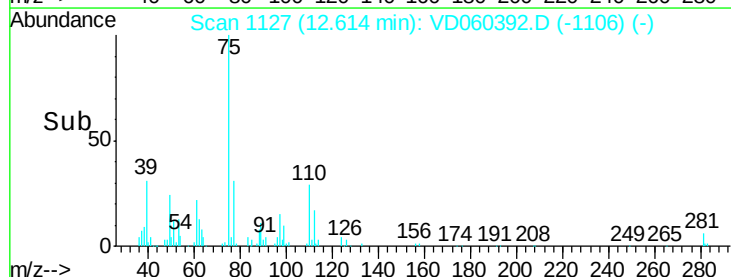
200000

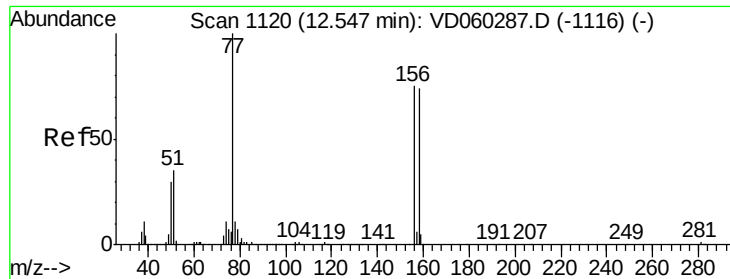
100000

0

12.60 12.70

Time-->





#77

Bromobenzene

Concen: 19.92 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

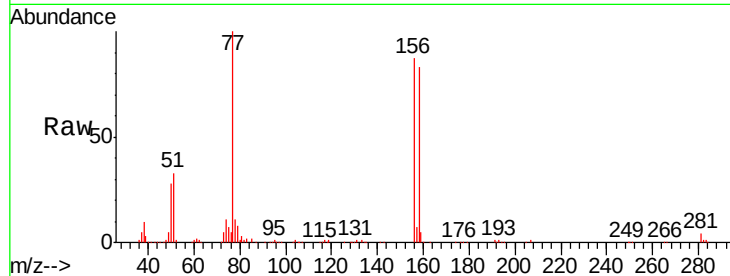
Tgt Ion: 156 Resp: 357342

Ion Ratio Lower Upper

156 100

77 114.6 61.2 183.6

158 95.3 49.2 147.6

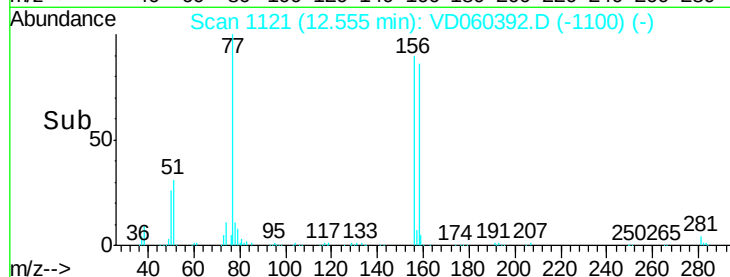


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

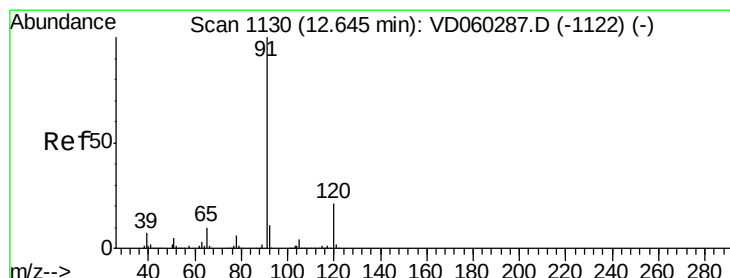
Ion 157.85 (157.55 to 158.55): V

Time-->



12.55

Time-->



#78

n-propylbenzene

Concen: 21.45 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060392.D

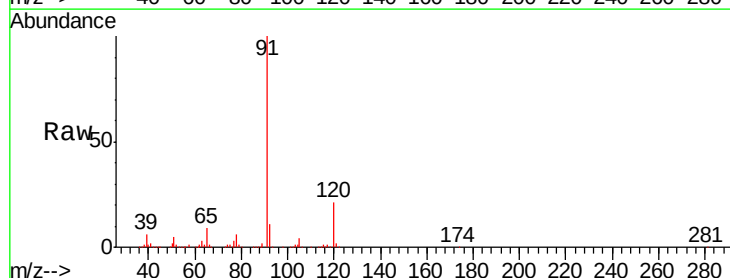
Acq: 16 Nov 2018 12:25

Tgt Ion: 91 Resp: 1808217

Ion Ratio Lower Upper

91 100

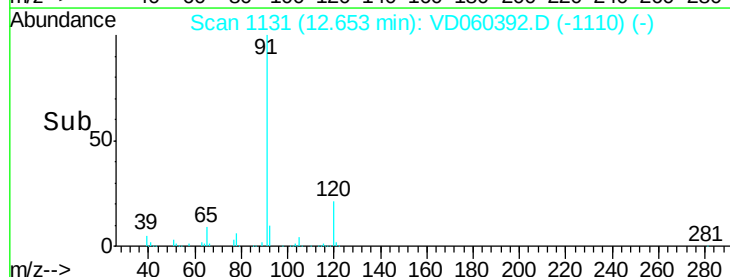
120 20.9 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

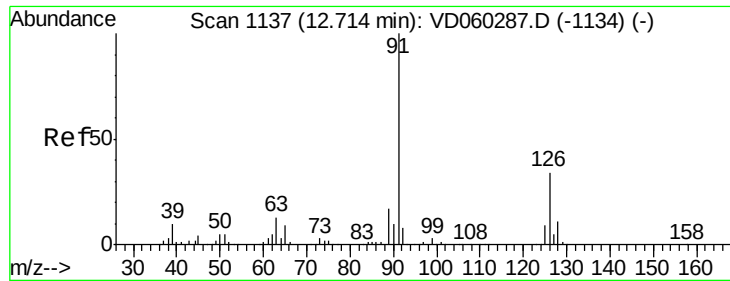
Ion 120.05 (119.75 to 120.75): V

Time-->



12.65

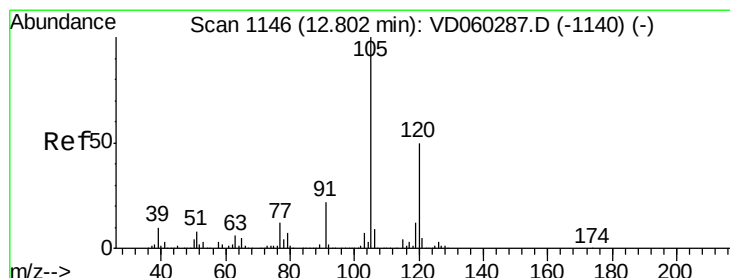
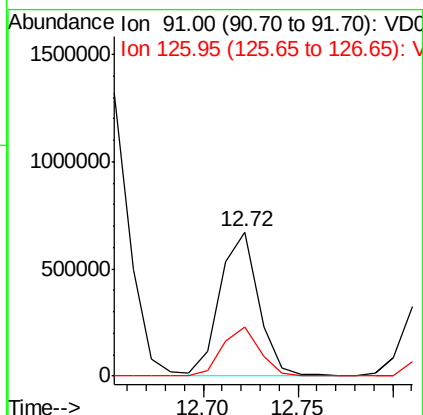
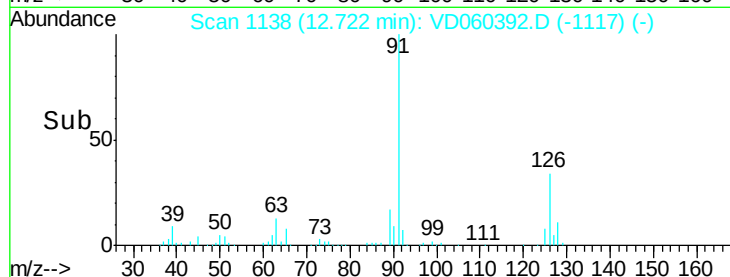
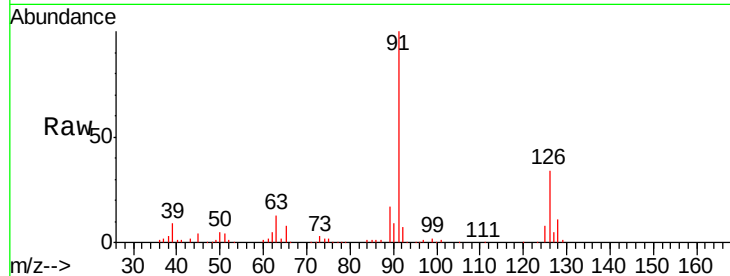
Time-->



#79
 2-Chlorotoluene
 Concen: 20.41 ug/l
 RT: 12.72 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

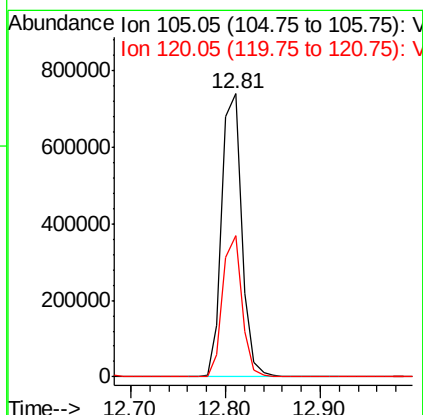
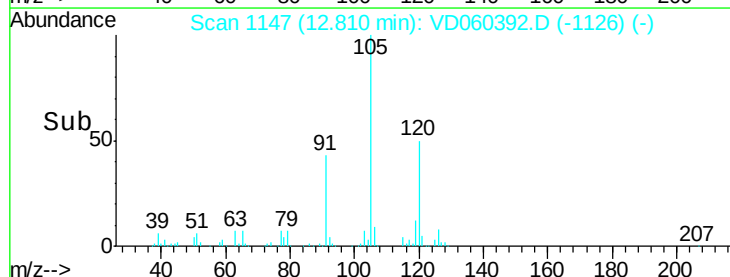
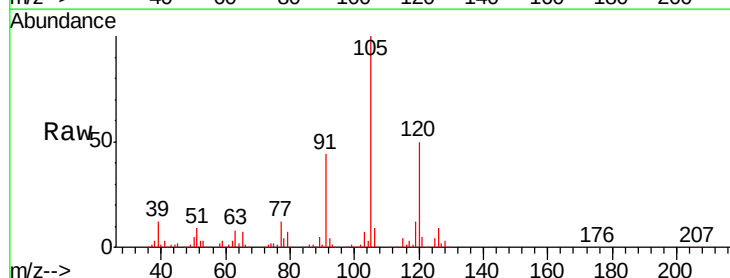
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

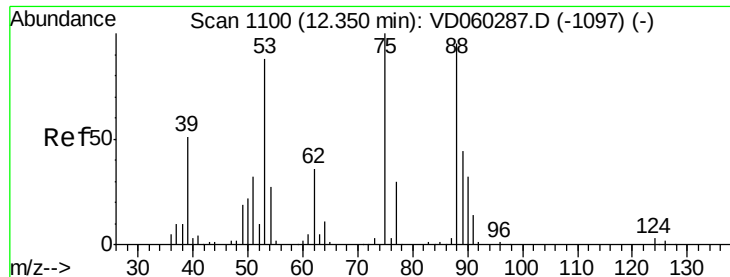
Tgt Ion: 91 Resp: 942204
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.60 ug/l
 RT: 12.81 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 105 Resp: 1080869
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.45 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

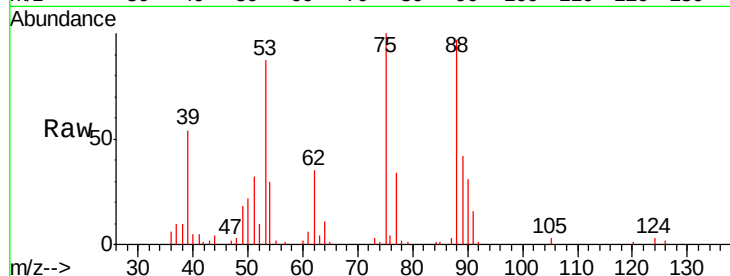
Tgt Ion: 75 Resp: 58235

Ion Ratio Lower Upper

75 100

53 87.4 68.6 103.0

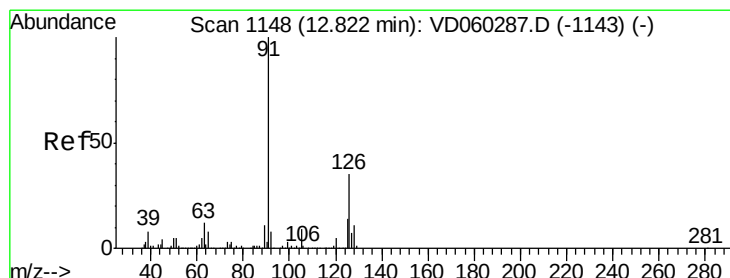
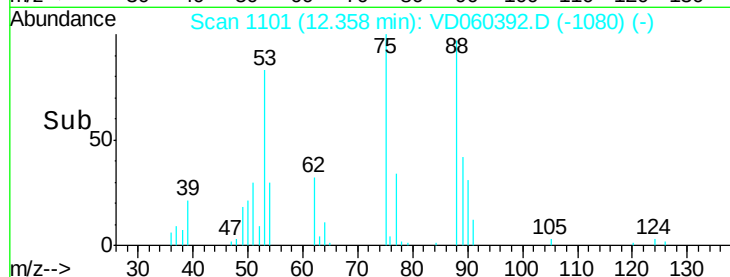
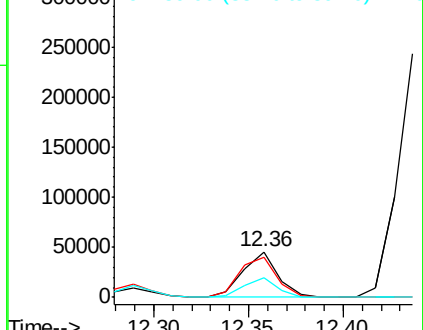
89 42.0 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.80 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060392.D

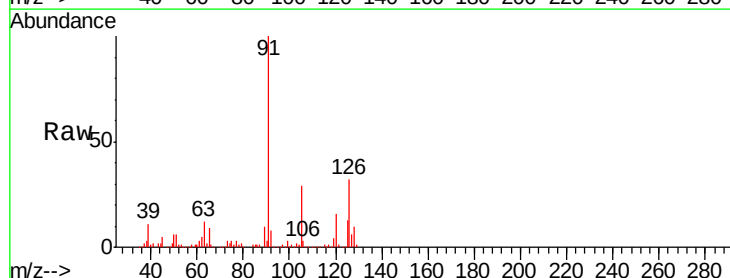
Acq: 16 Nov 2018 12:25

Tgt Ion: 91 Resp: 1078629

Ion Ratio Lower Upper

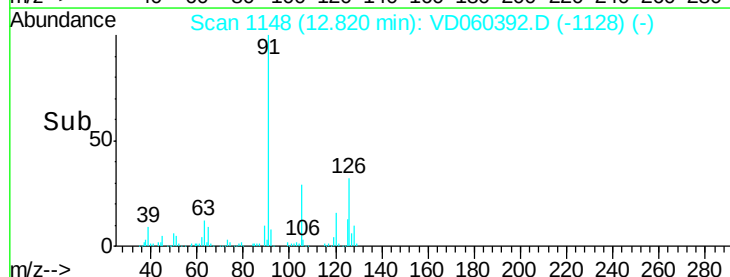
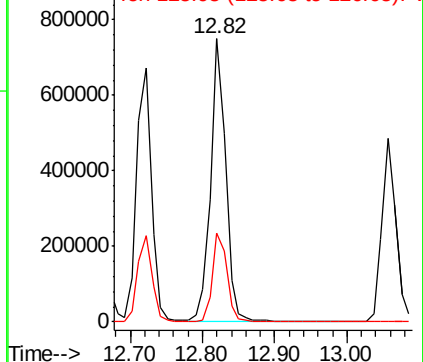
91 100

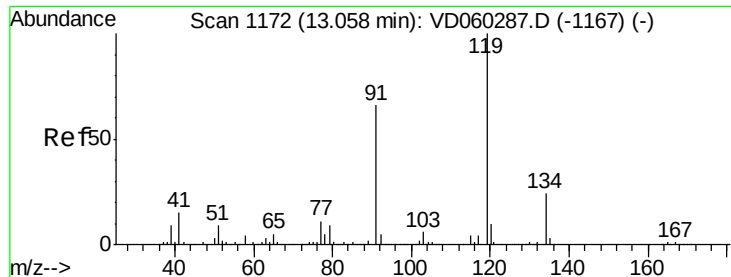
126 31.5 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



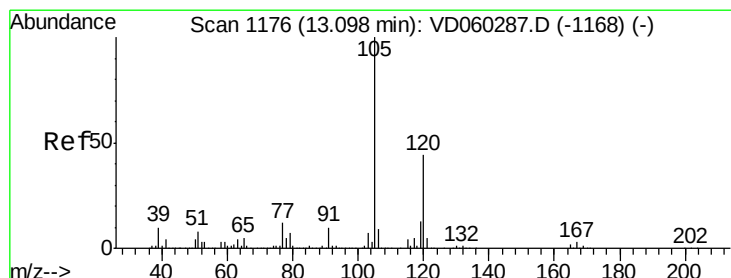
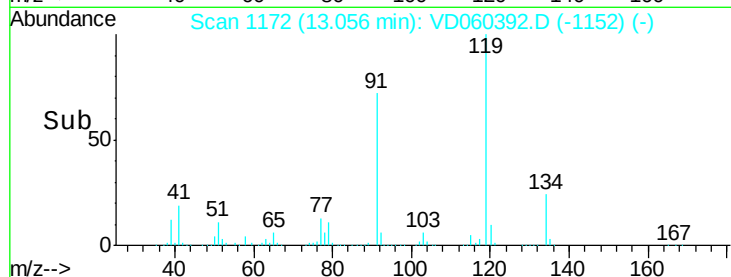
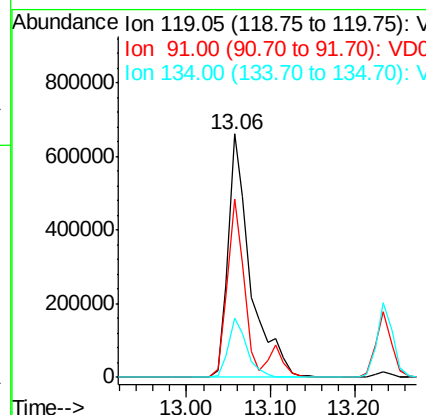
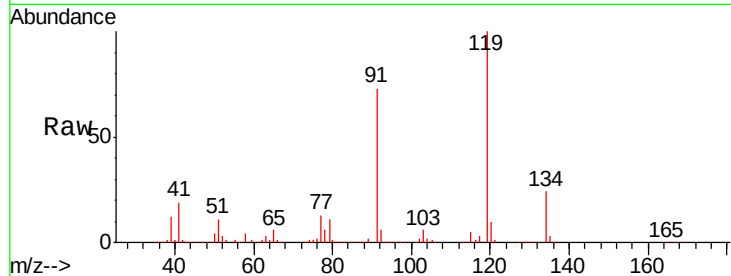


#83
 tert-Butylbenzene
 Concen: 20.98 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tgt Ion: 119 Resp: 1222507

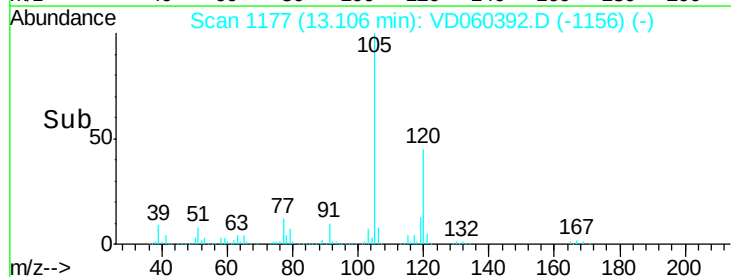
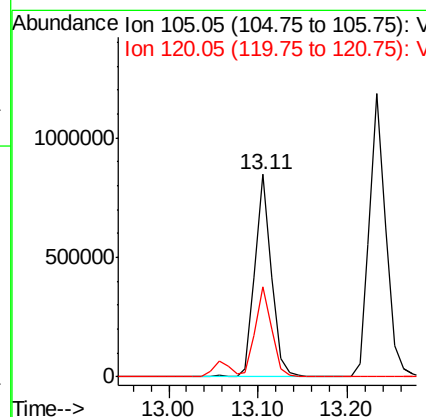
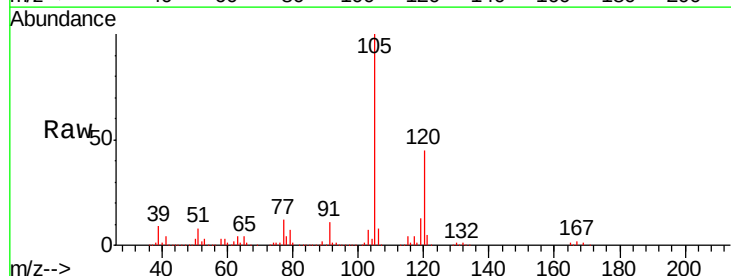
Ion	Ratio	Lower	Upper
119	100		
91	73.4	32.7	98.1
134	24.2	12.1	36.3

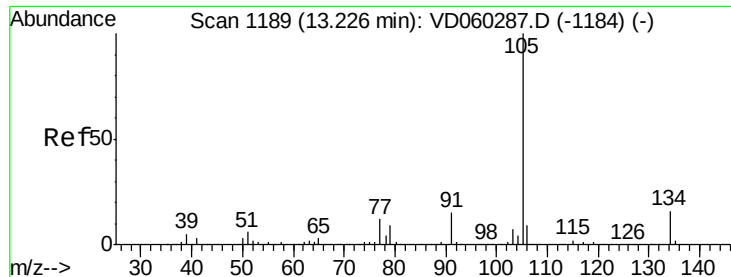


#84
 1,2,4-Trimethylbenzene
 Concen: 20.61 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 105 Resp: 1080216

Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.8

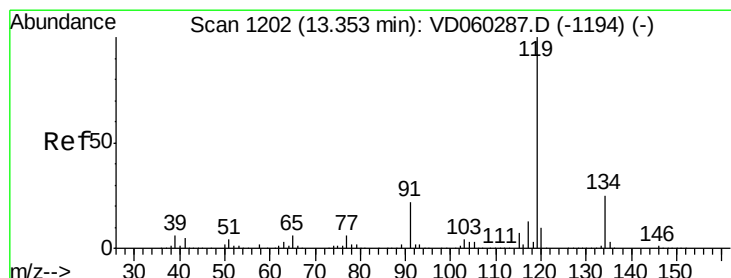
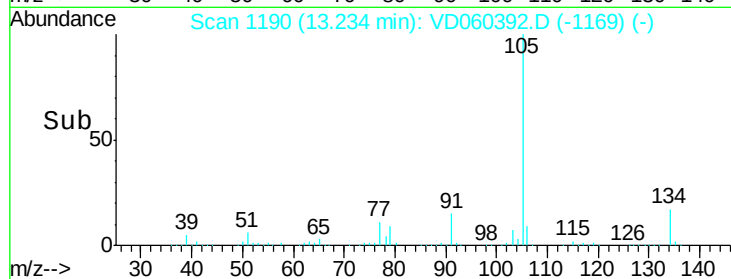
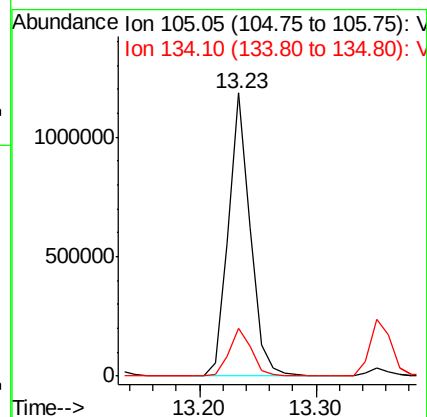
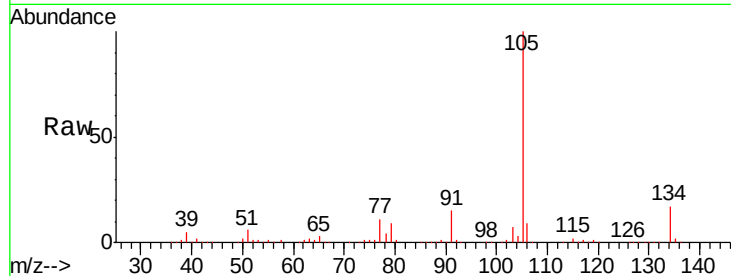




#85
 sec-Butylbenzene
 Concen: 21.38 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

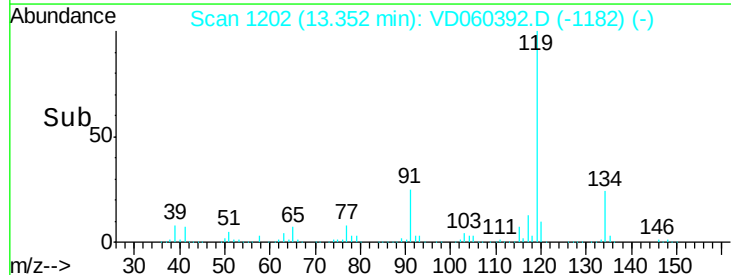
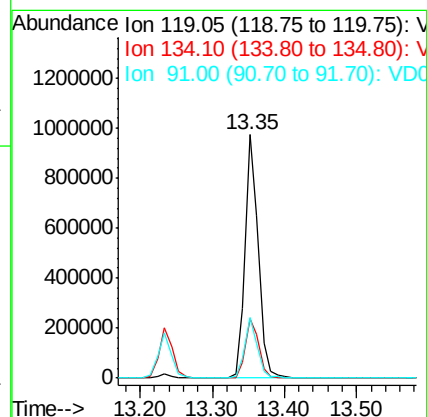
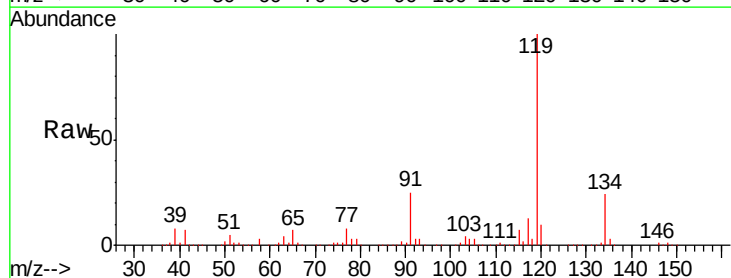
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

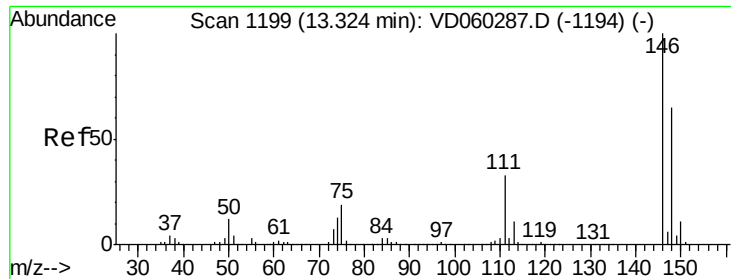
Tgt Ion:105 Resp: 1528545
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 21.78 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion:119 Resp: 1253687
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.9 38.6
 91 24.7 11.3 33.8

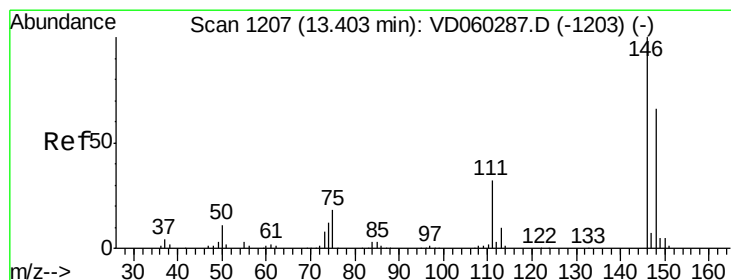
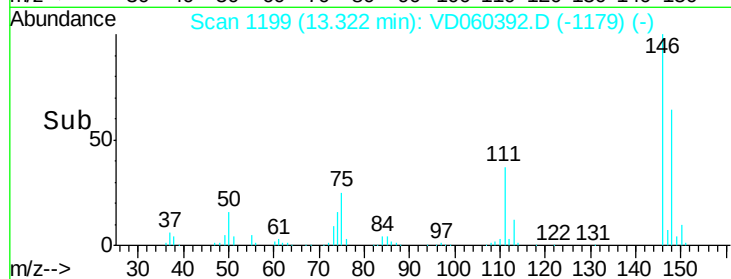
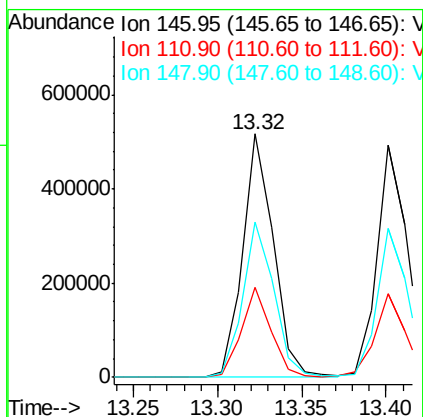
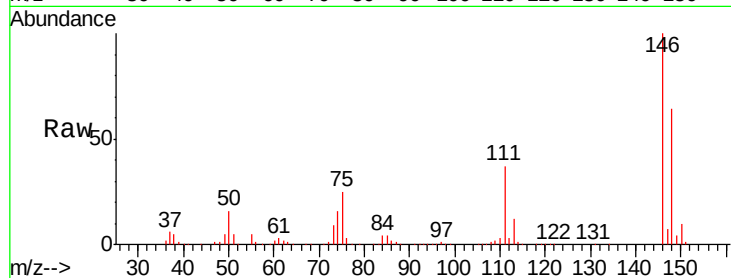




#87
 1,3-Dichlorobenzene
 Concen: 20.60 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

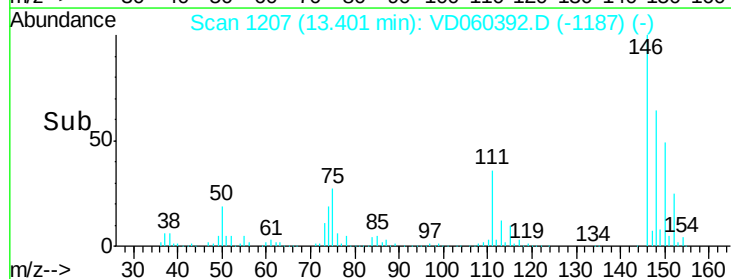
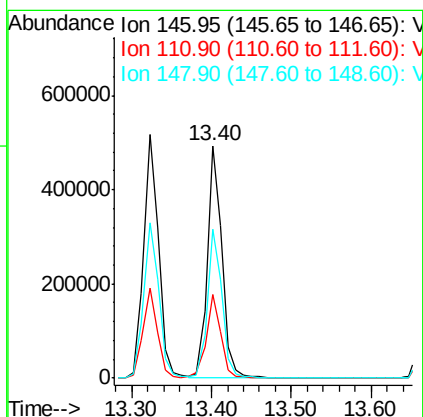
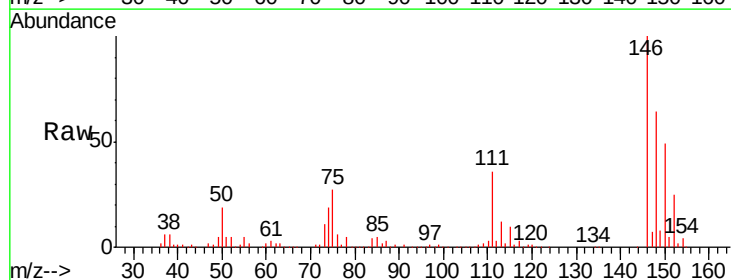
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

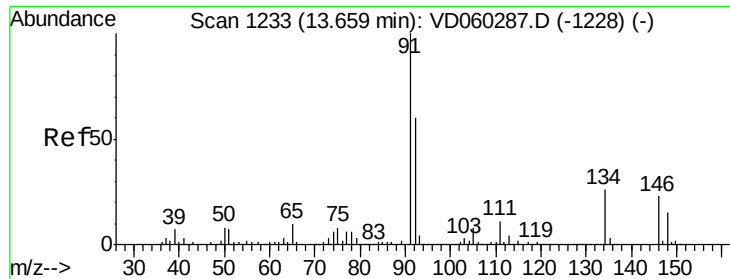
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.2	60.5
148	63.6	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.36 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	16.0	47.9
148	63.9	32.9	98.7

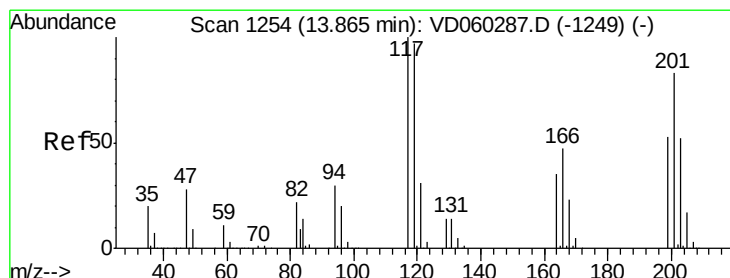
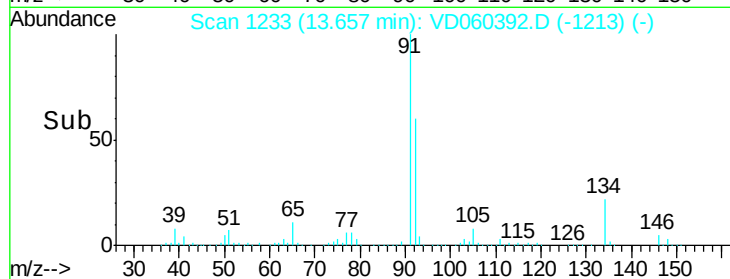
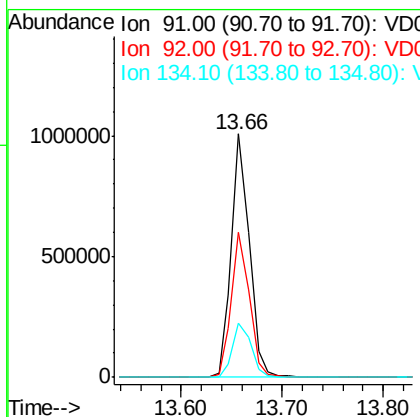
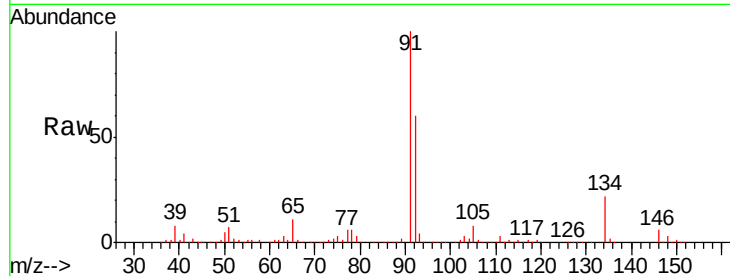




#89
n-Butylbenzene
Concen: 19.68 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

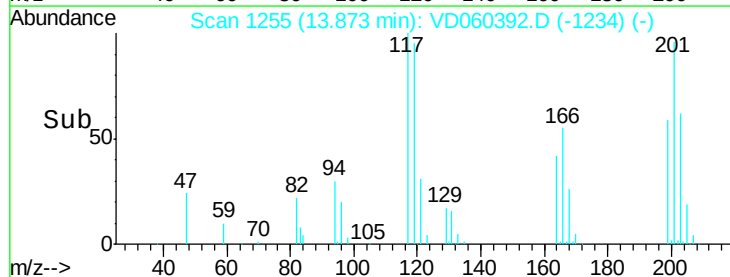
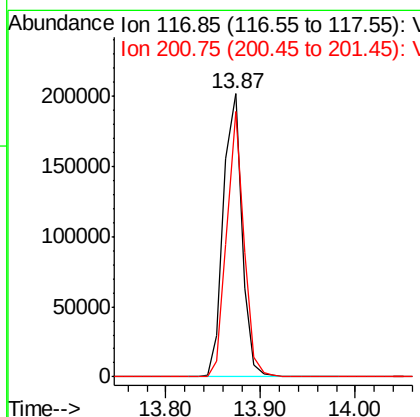
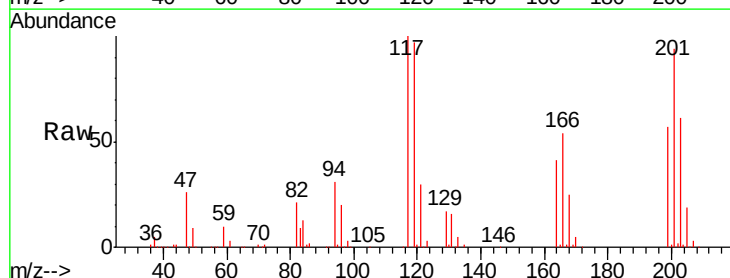
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

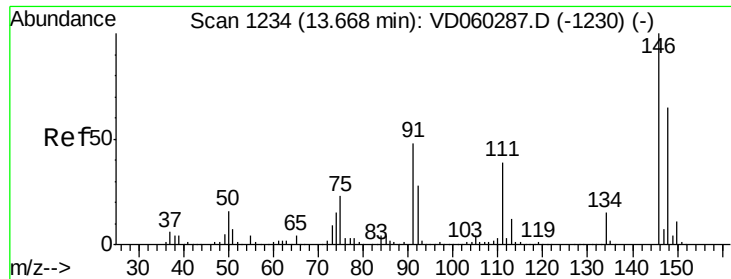
Tgt Ion: 91 Resp: 1248329
Ion Ratio Lower Upper
91 100
92 59.8 30.3 90.9
134 22.2 13.0 38.9



#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060392.D
Acq: 16 Nov 2018 12:25

Tgt Ion: 117 Resp: 274808
Ion Ratio Lower Upper
117 100
201 93.9 40.1 120.3

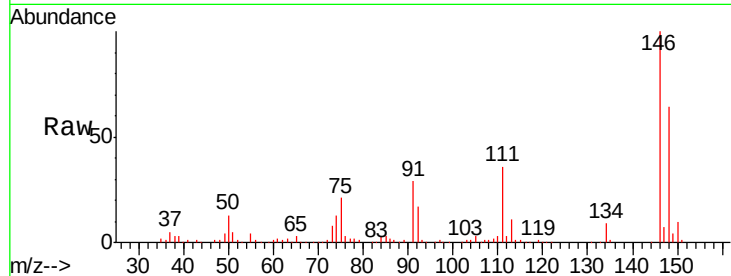




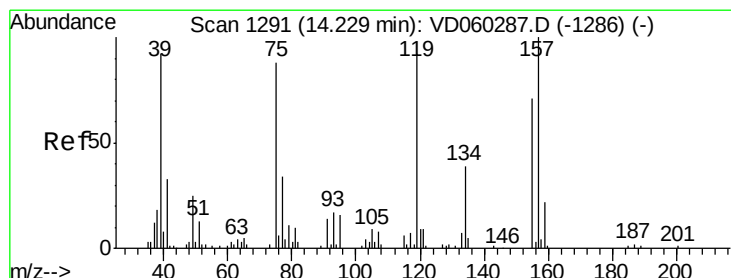
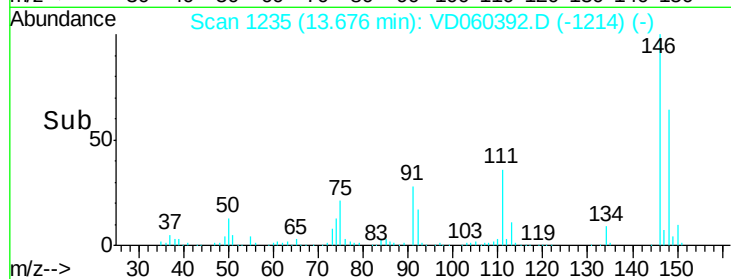
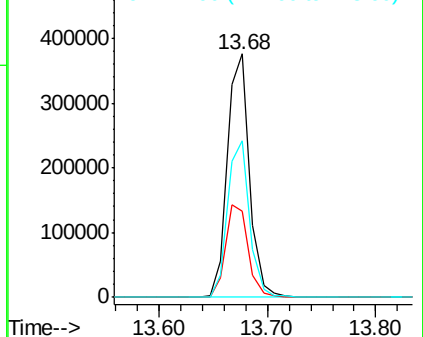
#91
 1,2-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tgt Ion: 146 Resp: 532668
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.9 56.9
 148 64.5 31.6 94.8

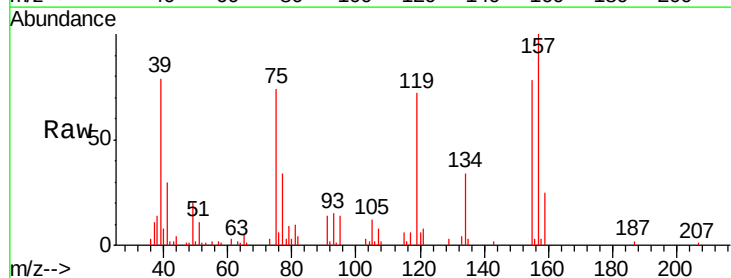


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

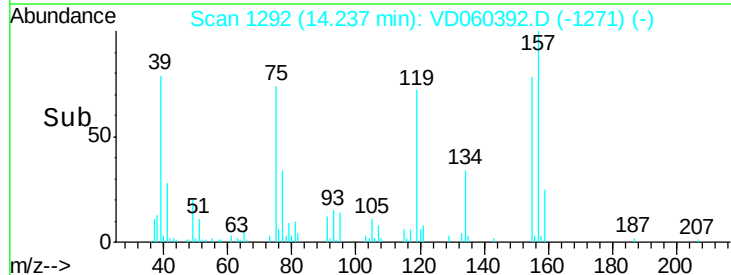
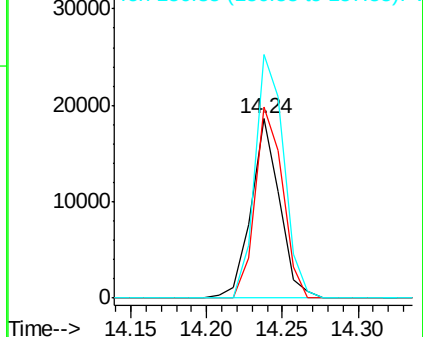


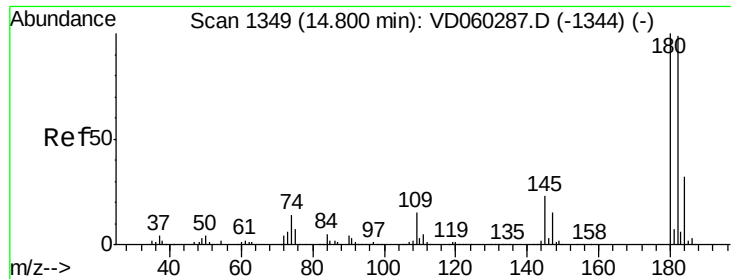
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.29 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion: 75 Resp: 24378
 Ion Ratio Lower Upper
 75 100
 155 106.6 64.3 192.9
 157 135.8 81.0 243.1



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

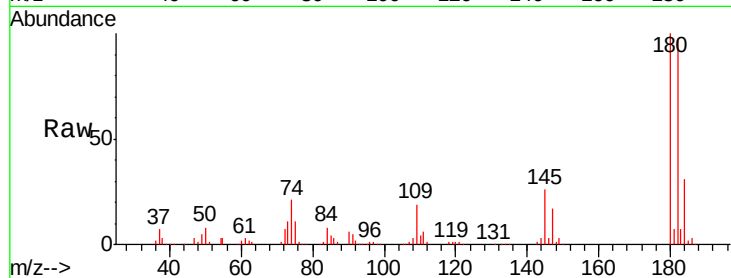




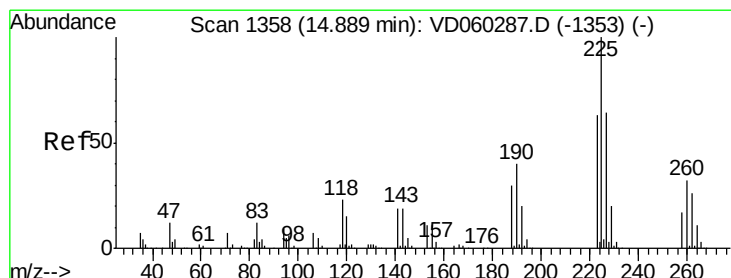
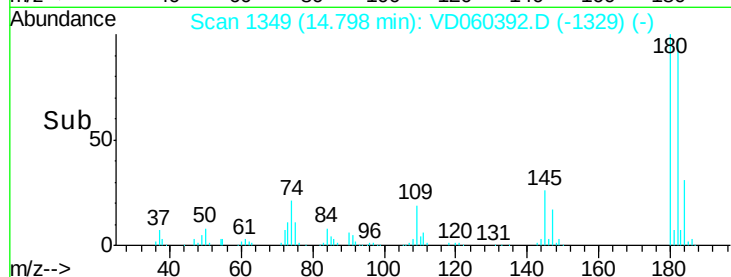
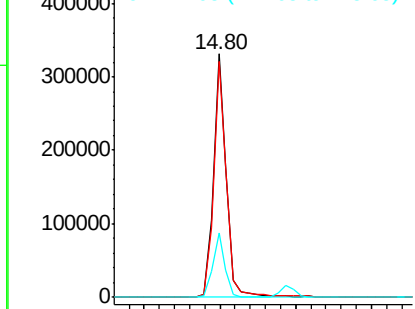
#93
 1,2,4-Trichlorobenzene
 Concen: 19.26 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tgt Ion:180 Resp: 400278
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.1 144.4
 145 26.5 11.5 34.4

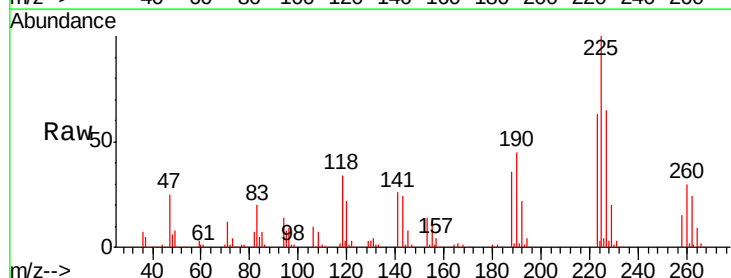


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

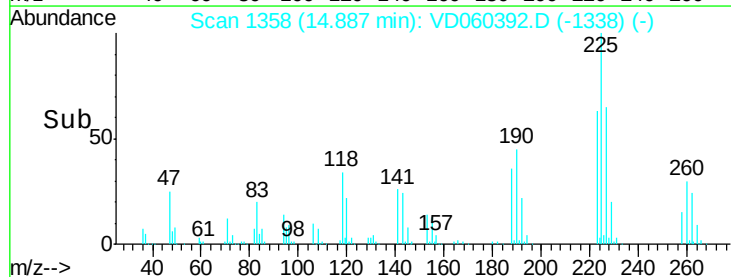
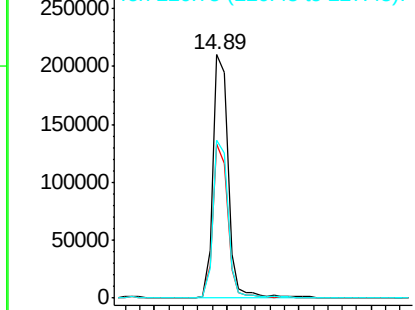


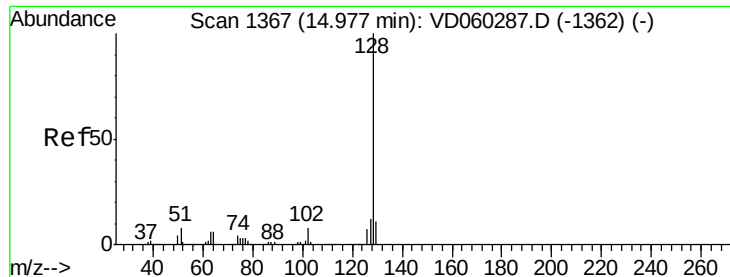
#94
 Hexachlorobutadiene
 Concen: 19.72 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060392.D
 Acq: 16 Nov 2018 12:25

Tgt Ion:225 Resp: 306604
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.6 94.8
 227 64.7 32.3 96.9



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: 18.47 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

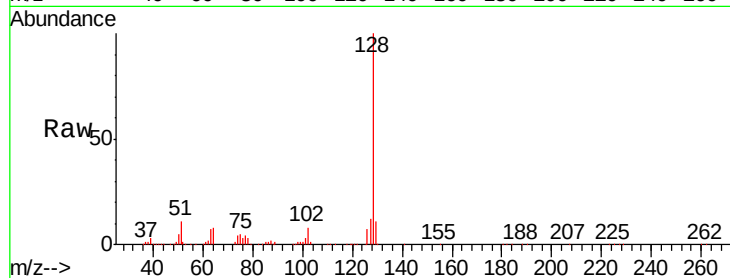
Tgt Ion:128 Resp: 468694

Ion Ratio Lower Upper

128 100

127 12.2 9.6 14.4

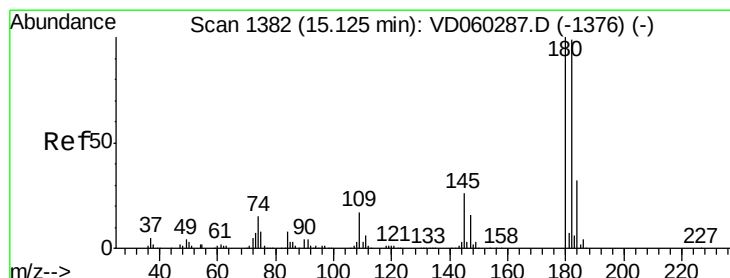
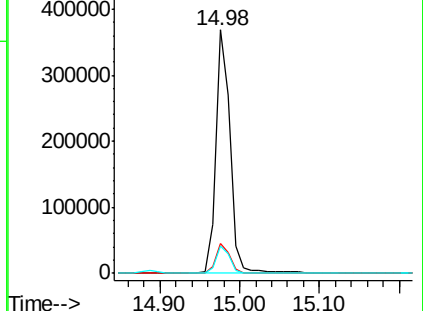
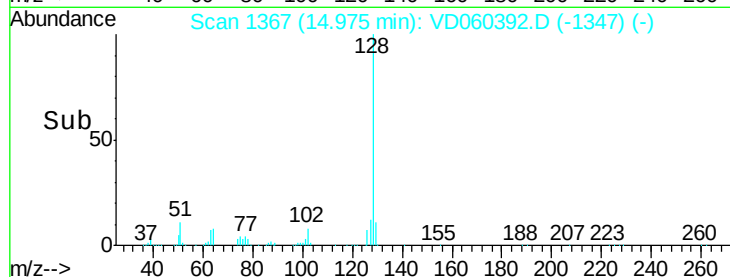
129 11.0 8.6 12.8



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: 18.37 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060392.D

Acq: 16 Nov 2018 12:25

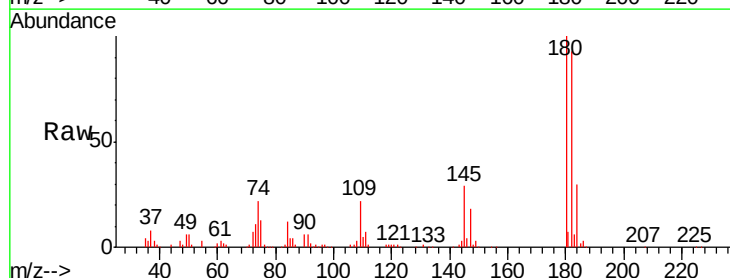
Tgt Ion:180 Resp: 305964

Ion Ratio Lower Upper

180 100

182 93.4 48.9 146.7

145 28.7 12.9 38.6



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

