

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD022119\
 Data File : VD060891.D
 Acq On : 21 Feb 2019 20:18
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022119

Quant Time: Feb 22 08:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:56:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.78	168	2096967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.96	114	2850738	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	2276012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1209129	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.20	65	730237	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	6.66	113	1095036	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.18	98	2870982	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	13.35	95	1133470	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1125954	48.404	ug/l	98
3) Chloromethane	1.74	50	643312	45.919	ug/l	99
4) Vinyl Chloride	1.83	62	599546	48.427	ug/l	100
5) Bromomethane	2.12	94	183827	55.377	ug/l	97
6) Chloroethane	2.22	64	177145	52.070	ug/l	93
7) Trichlorofluoromethane	2.47	101	923582	51.533	ug/l	100
8) Diethyl Ether	2.78	74	427285	55.407	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.04	101	1103659	48.353	ug/l	97
10) Methyl Iodide	3.20	142	1813139	52.722	ug/l	99
11) Tert butyl alcohol	3.87	59	236264	240.443	ug/l	96
12) 1,1-Dichloroethene	3.03	96	966292	49.206	ug/l	99
13) Acrolein	2.93	56	390068	248.103	ug/l	99
14) Allyl chloride	3.48	41	1646021	48.819	ug/l	100
15) Acrylonitrile	4.02	53	910508	257.181	ug/l	97
16) Acetone	3.11	43	983065	233.570	ug/l	99
17) Carbon Disulfide	3.27	76	3762148	50.205	ug/l	100
18) Methyl Acetate	3.49	43	425428	49.629	ug/l	100
19) Methyl tert-butyl Ether	4.05	73	1915779	50.171	ug/l	99
20) Methylene Chloride	3.66	84	1152879	48.382	ug/l	94
21) trans-1,2-Dichloroethene	4.04	96	1058190	48.569	ug/l	97
22) Diisopropyl ether	4.86	45	3131143	48.004	ug/l	96
23) Vinyl Acetate	4.80	43	9170280	256.401	ug/l	99
24) 1,1-Dichloroethane	4.74	63	1724925	49.586	ug/l	100
25) 2-Butanone	5.80	43	1336843	250.751	ug/l	99
26) 2,2-Dichloropropane	5.77	77	1455117	46.810	ug/l	99
27) cis-1,2-Dichloroethene	5.78	96	1133624	47.977	ug/l	99
28) Bromochloromethane	6.18	49	774362	53.478	ug/l	95
29) Tetrahydrofuran	6.20	42	733376	251.881	ug/l	98
30) Chloroform	6.40	83	1996480	49.649	ug/l	98
31) Cyclohexane	6.70	56	1370683	46.518	ug/l	94
32) 1,1,1-Trichloroethane	6.61	97	1482658	48.010	ug/l	98
36) 1,1-Dichloropropene	6.89	75	1488489	50.624	ug/l	98
37) Ethyl Acetate	5.91	43	705748	55.400	ug/l	99
38) Carbon Tetrachloride	6.86	117	1340267	51.993	ug/l	100

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

39) Methylcyclohexane	8.62	83	1578255	48.374	ug/l	99
40) Benzene	7.21	78	3817127	50.540	ug/l	100
41) Methacrylonitrile	6.19	41	794007	110.737	ug/l #	87
42) 1,2-Dichloroethane	7.32	62	1028065	54.389	ug/l	96
43) Isopropyl Acetate	8.99	43	969363	54.724	ug/l	100
44) Trichloroethene	8.29	130	1250339	53.578	ug/l	99
45) 1,2-Dichloropropane	8.69	63	914575	53.074	ug/l	97
46) Dibromomethane	8.82	93	618053	51.345	ug/l	99
47) Bromodichloromethane	9.13	83	1504748	53.012	ug/l	98
48) Methyl methacrylate	8.88	41	528838	51.065	ug/l	96
49) 1,4-Dioxane	8.83	88	123180	1044.277	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	2679431	240.712	ug/l	100
52) Toluene	10.28	92	2106043	47.386	ug/l	99
53) t-1,3-Dichloropropene	10.68	75	1265046	48.459	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	1517647	49.307	ug/l	98
55) 1,1,2-Trichloroethane	10.97	97	711364	51.693	ug/l	98
56) Ethyl methacrylate	10.82	69	798783	53.045	ug/l	97
57) 1,3-Dichloropropane	11.18	76	1142362	49.713	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.62	63	1896194	245.363	ug/l	99
59) 2-Hexanone	11.31	43	2015997	250.967	ug/l	99
60) Dibromochloromethane	11.47	129	1013280	50.315	ug/l	99
61) 1,2-Dibromoethane	11.59	107	825954	53.731	ug/l	97
64) Tetrachloroethene	11.03	164	1073447	52.902	ug/l	98
65) Chlorobenzene	12.19	112	2419892	53.194	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.30	131	939904	51.167	ug/l	99
67) Ethyl Benzene	12.31	91	3931524	48.848	ug/l	98
68) m/p-Xylenes	12.46	106	2734075	98.947	ug/l	99
69) o-Xylene	12.85	106	1214300	45.440	ug/l	99
70) Styrene	12.87	104	2193700	48.415	ug/l	99
71) Bromoform	13.03	173	734749	56.044	ug/l #	99
73) Isopropylbenzene	13.20	105	3647286	48.724	ug/l	100
74) N-amyl acetate	13.06	43	1153945	51.692	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.50	83	895806	54.455	ug/l	99
76) 1,2,3-Trichloropropane	13.53	75	932963	55.336	ug/l	97
77) Bromobenzene	13.47	156	1162643	51.215	ug/l	89
78) n-propylbenzene	13.57	91	5012638	51.822	ug/l	99
79) 2-Chlorotoluene	13.64	91	2726817	50.947	ug/l	94
80) 1,3,5-Trimethylbenzene	14.04	105	3050321	51.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.27	75	249064	50.009	ug/l	97
82) 4-Chlorotoluene	13.75	91	2996561	50.905	ug/l	92
83) tert-Butylbenzene	13.99	119	3607766	52.210	ug/l	96
84) 1,2,4-Trimethylbenzene	14.04	105	3050321	51.251	ug/l	98
85) sec-Butylbenzene	14.16	105	3886074	50.821	ug/l	99
86) p-Isopropyltoluene	14.29	119	3093345	47.803	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	2170582	52.290	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	2056488	50.721	ug/l	96
89) n-Butylbenzene	14.60	91	3161748	50.545	ug/l	98
90) Hexachloroethane	14.81	117	916182	51.898	ug/l	74
91) 1,2-Dichlorobenzene	14.61	146	1689551	50.377	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.19	75	120819	57.303	ug/l	72

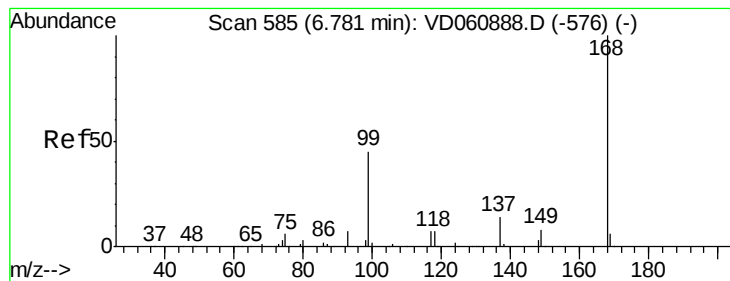
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD022119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1187033	51.835	ug/l	98
94) Hexachlorobutadiene	15.85	225	736285	49.656	ug/l	98
95) Naphthalene	15.93	128	1664243	52.851	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	793685	51.836	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.78 min Scan# 585

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

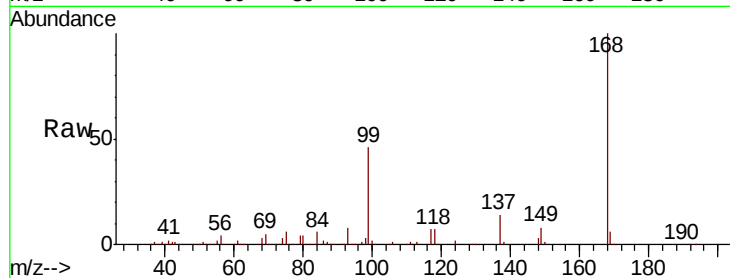
ICVVD022119

Tgt Ion:168 Resp: 2096967

Ion Ratio Lower Upper

168 100

99 45.5 37.4 56.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.78

800000

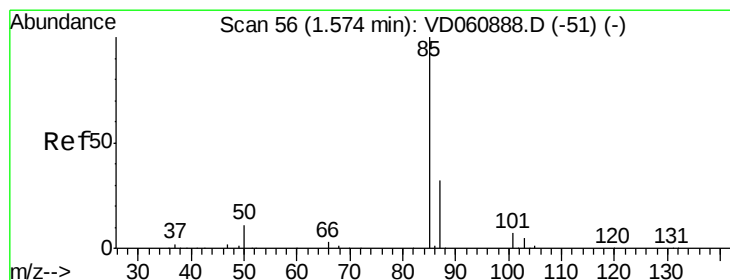
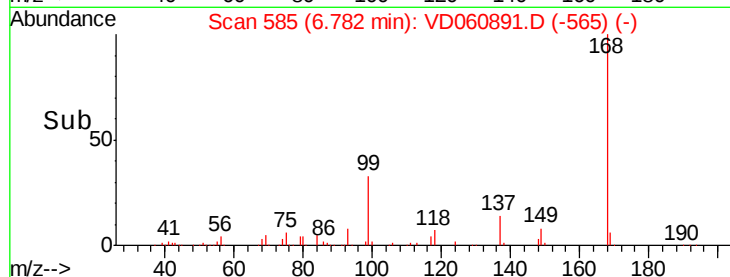
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.404 ug/l

RT: 1.57 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060891.D

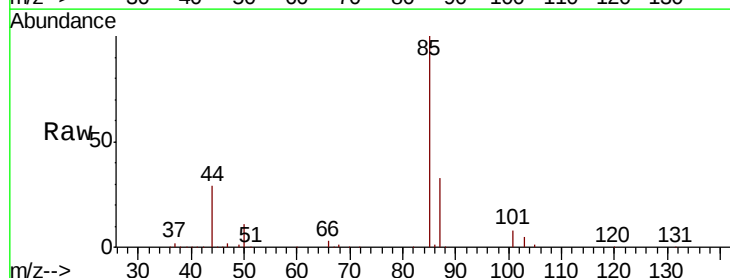
Acq: 21 Feb 2019 20:18

Tgt Ion: 85 Resp: 1125954

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

600000

500000

400000

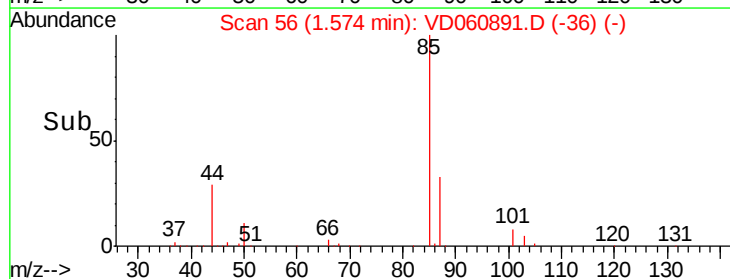
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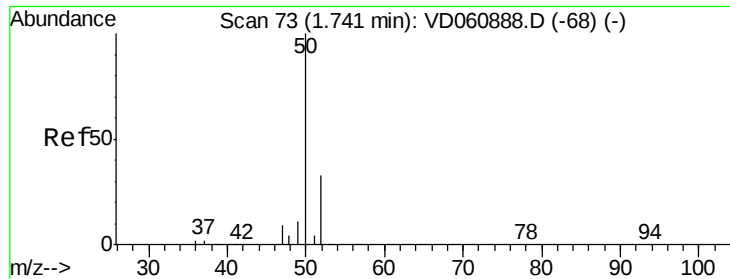
200000

100000

0

Time-->





#3

Chloromethane

Concen: 45.919 ug/l

RT: 1.74 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

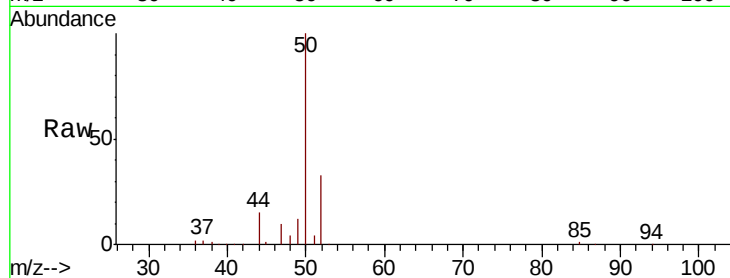
ICVVD022119

Tgt Ion: 50 Resp: 643312

Ion Ratio Lower Upper

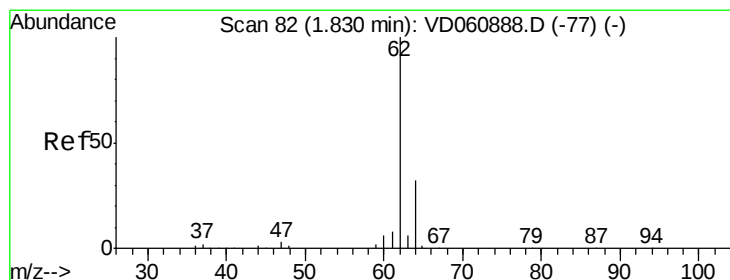
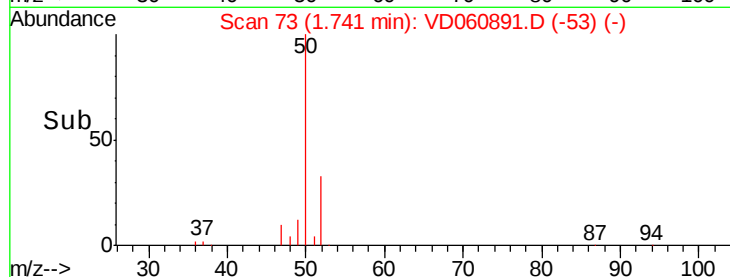
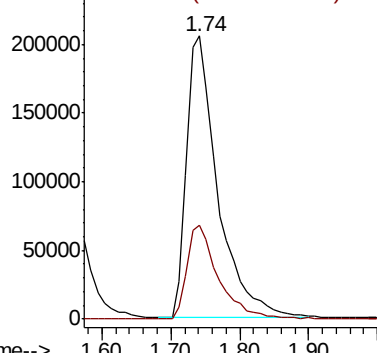
50 100

52 33.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.427 ug/l

RT: 1.83 min Scan# 82

Delta R.T. 0.00 min

Lab File: VD060891.D

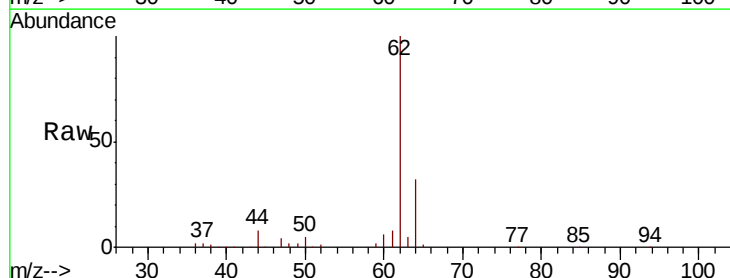
Acq: 21 Feb 2019 20:18

Tgt Ion: 62 Resp: 599546

Ion Ratio Lower Upper

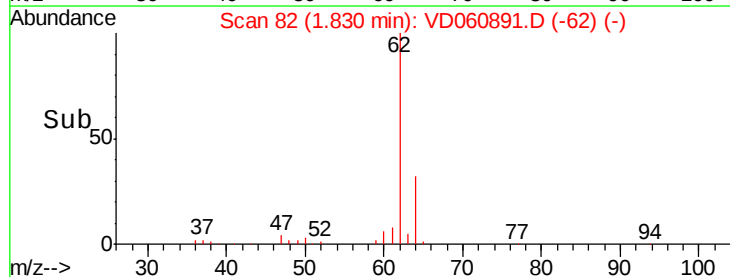
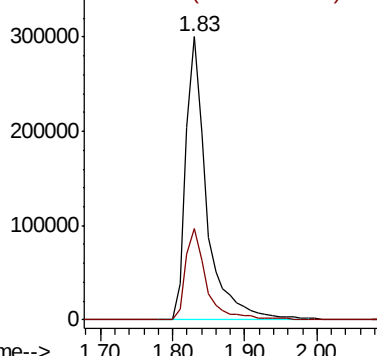
62 100

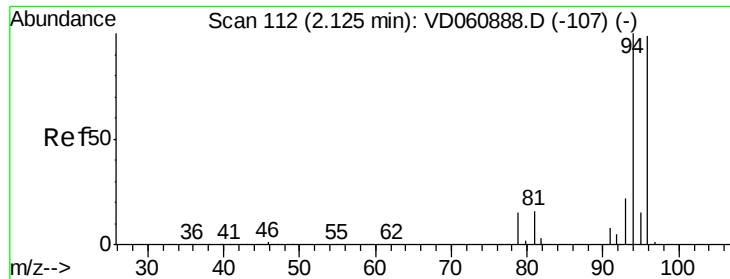
64 32.4 26.0 39.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

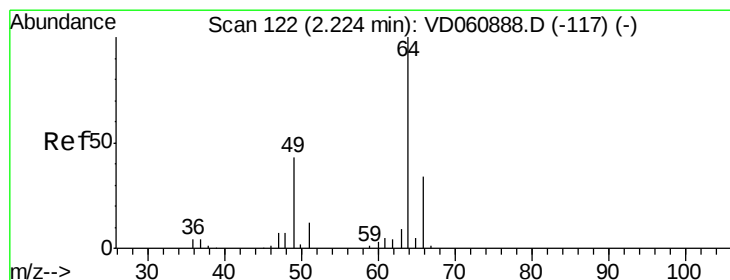
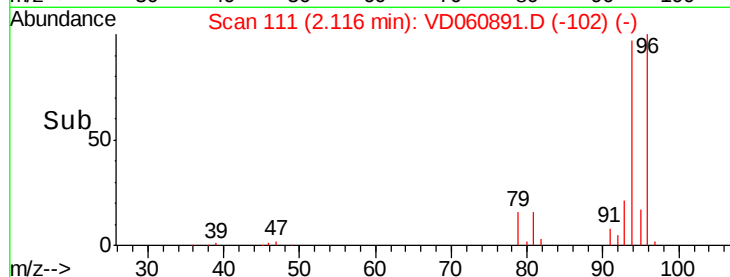
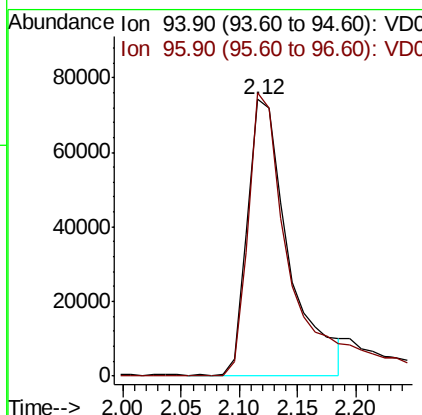
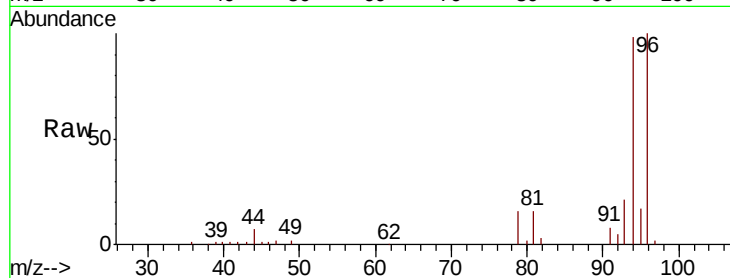




#5
Bromomethane
Concen: 55.377 ug/l
RT: 2.12 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

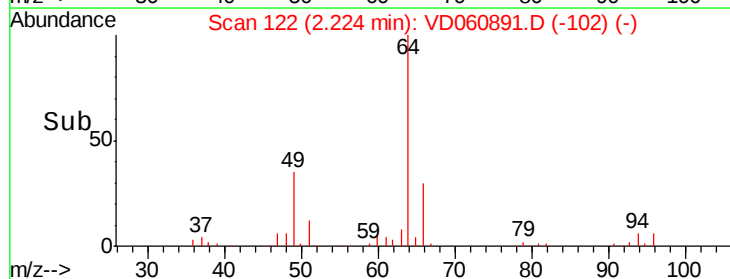
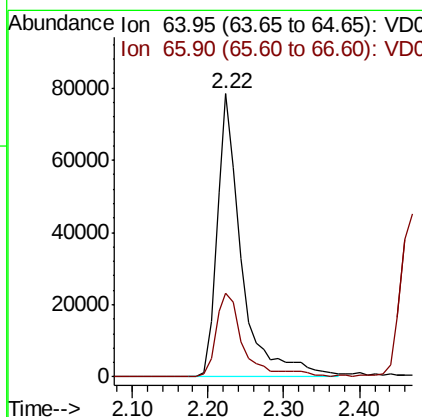
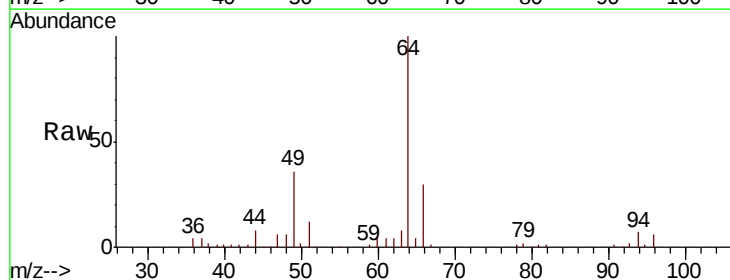
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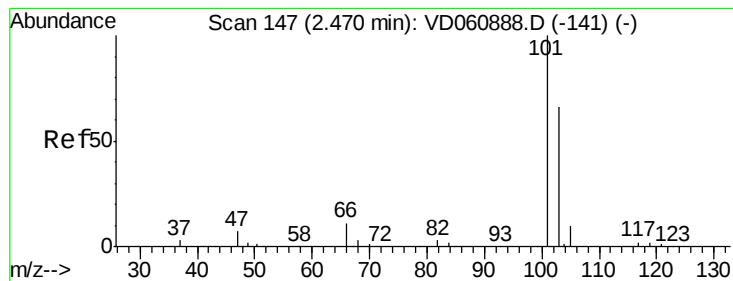
Tgt Ion: 94 Resp: 183827
Ion Ratio Lower Upper
94 100
96 102.2 79.0 118.6



#6
Chloroethane
Concen: 52.070 ug/l
RT: 2.22 min Scan# 122
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 64 Resp: 177145
Ion Ratio Lower Upper
64 100
66 29.6 27.0 40.6





#7

Trichlorofluoromethane

Concen: 51.533 ug/l

RT: 2.47 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

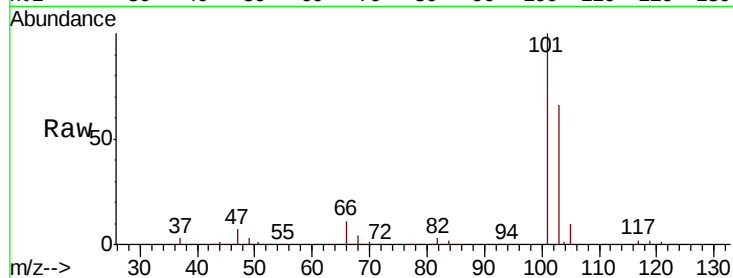
ICVVD022119

Tgt Ion: 101 Resp: 923582

Ion Ratio Lower Upper

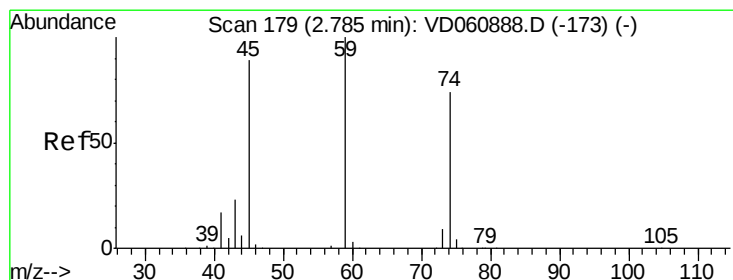
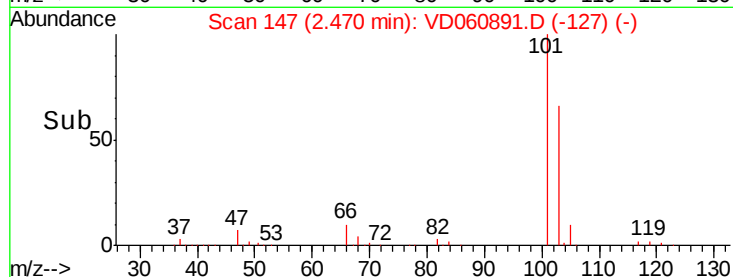
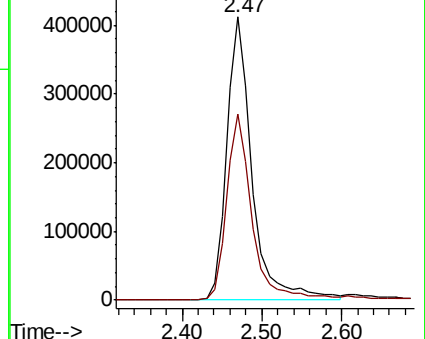
101 100

103 65.7 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 55.407 ug/l

RT: 2.78 min Scan# 179

Delta R.T. 0.00 min

Lab File: VD060891.D

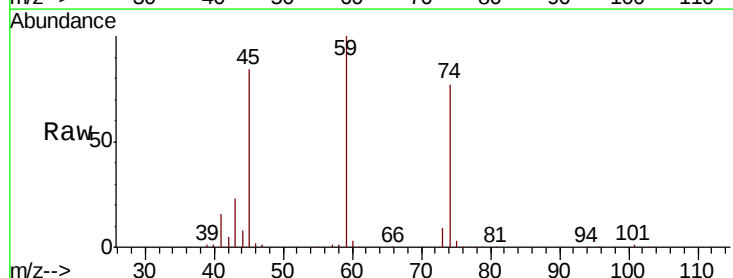
Acq: 21 Feb 2019 20:18

Tgt Ion: 74 Resp: 427285

Ion Ratio Lower Upper

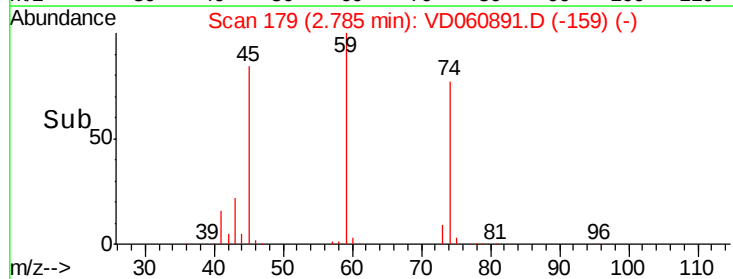
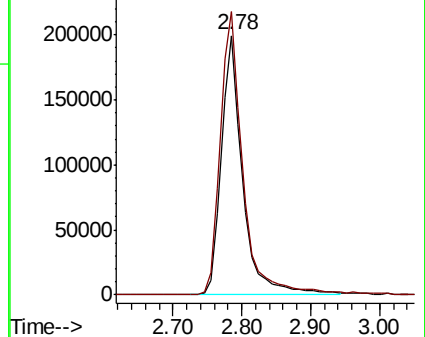
74 100

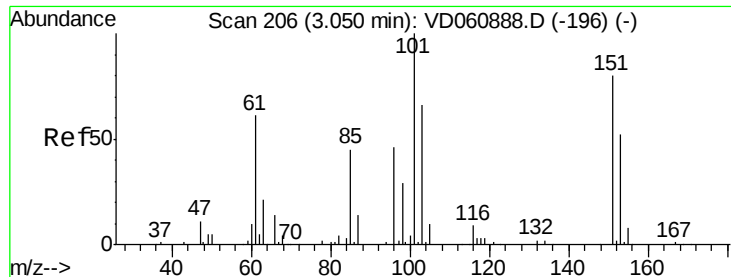
45 109.2 60.2 180.4



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.05 (44.75 to 45.75): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.353 ug/l

RT: 3.04 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060891.D

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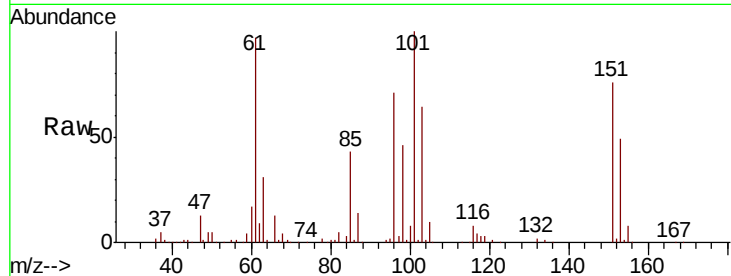
Tgt Ion:101 Resp: 1103659

Ion Ratio Lower Upper

101 100

85 43.2 35.9 53.9

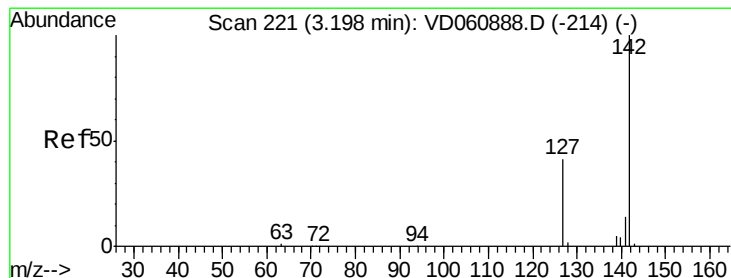
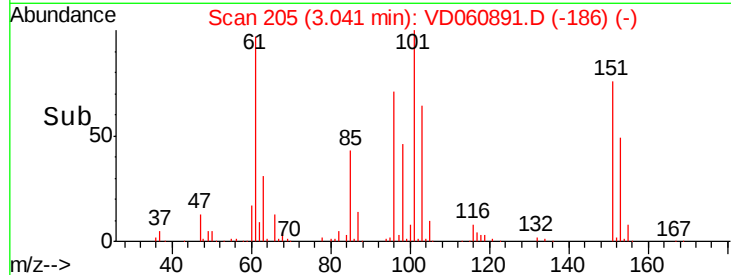
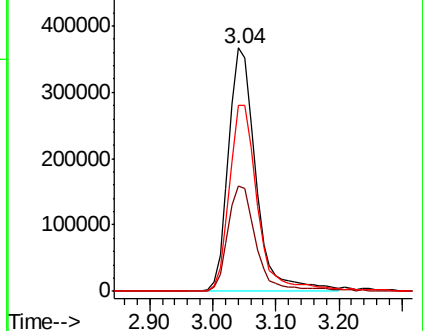
151 76.3 63.7 95.5



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: 52.722 ug/l

RT: 3.20 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

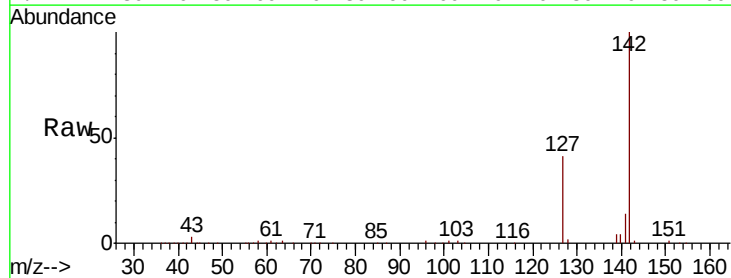
Tgt Ion:142 Resp: 1813139

Ion Ratio Lower Upper

142 100

127 40.8 33.0 49.4

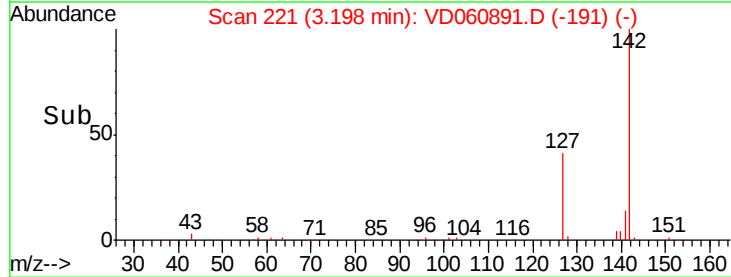
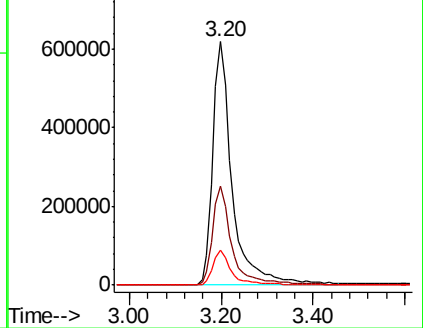
141 14.5 11.4 17.2

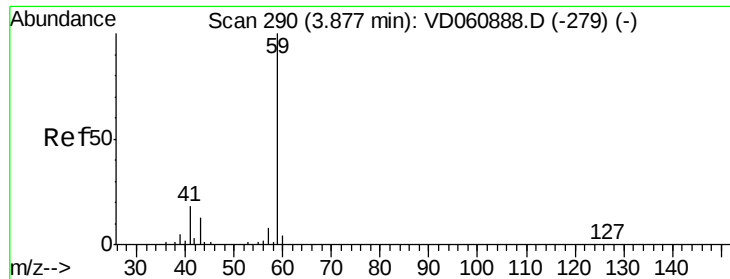


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

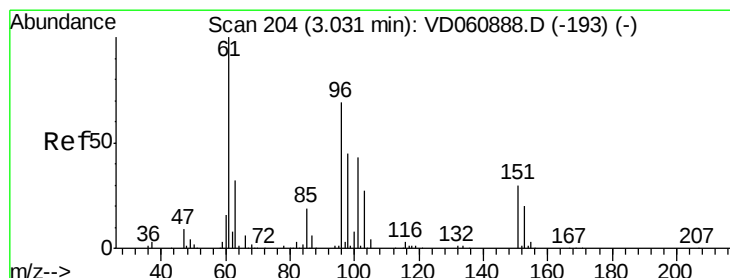
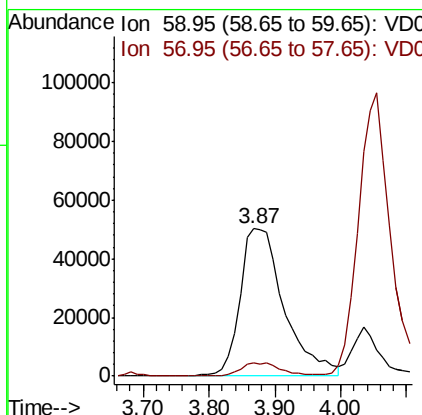
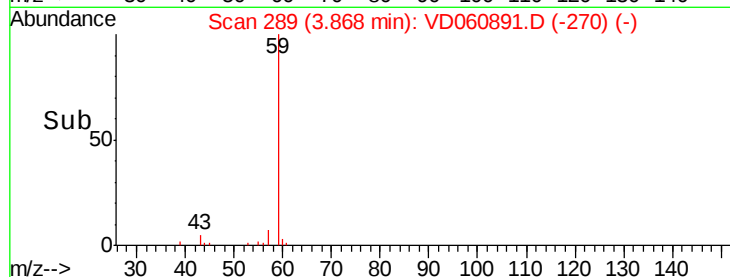
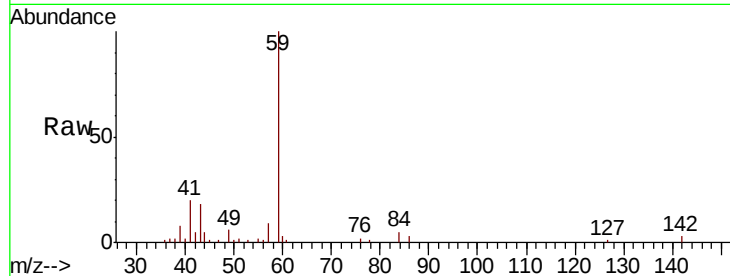




#11
Tert butyl alcohol
Concen: 240.443 ug/l
RT: 3.87 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

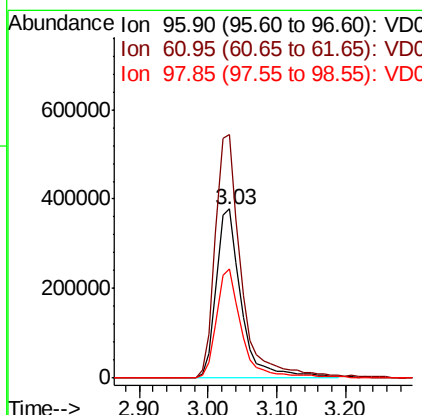
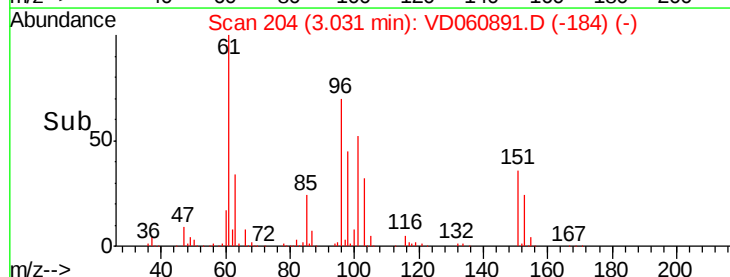
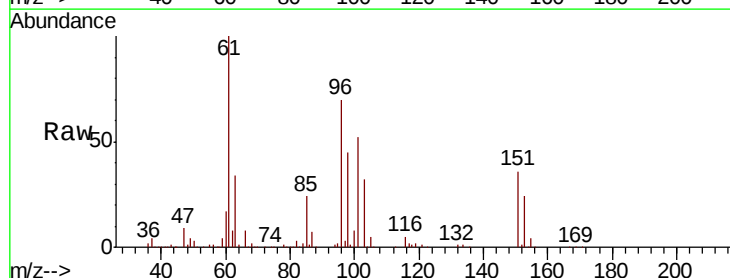
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

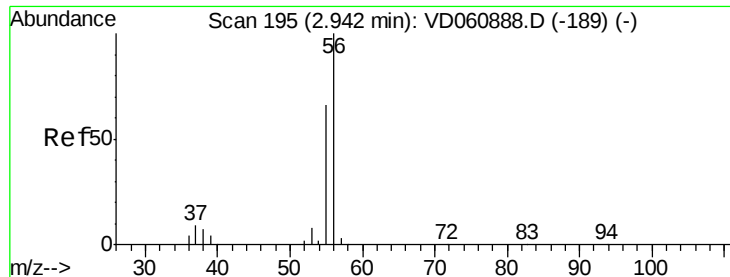
Tgt Ion: 59 Resp: 236264
Ion Ratio Lower Upper
59 100
57 9.4 6.3 9.5



#12
1,1-Dichloroethene
Concen: 49.206 ug/l
RT: 3.03 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 96 Resp: 966292
Ion Ratio Lower Upper
96 100
61 143.8 116.1 174.1
98 64.5 51.8 77.6

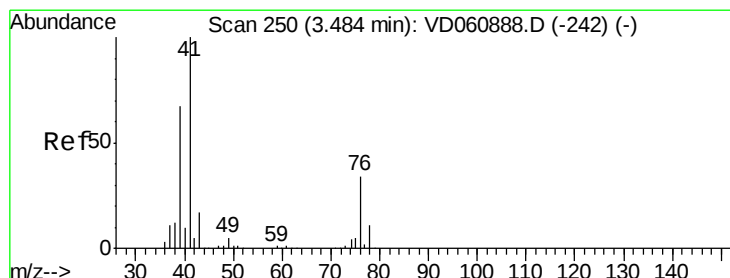
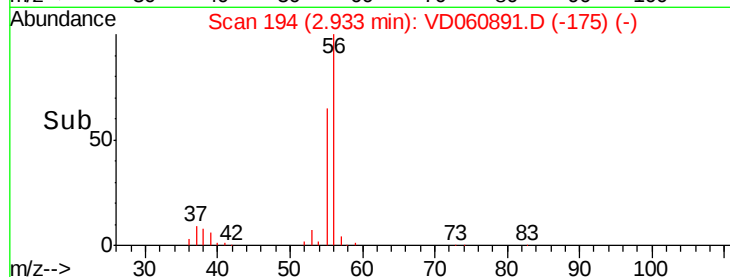
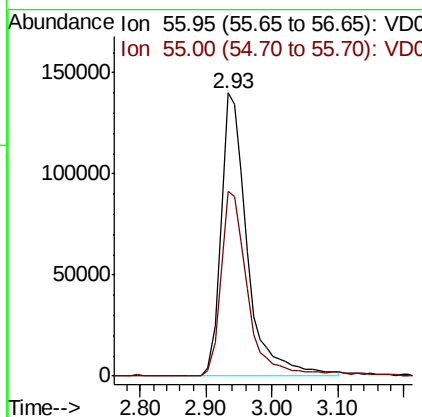
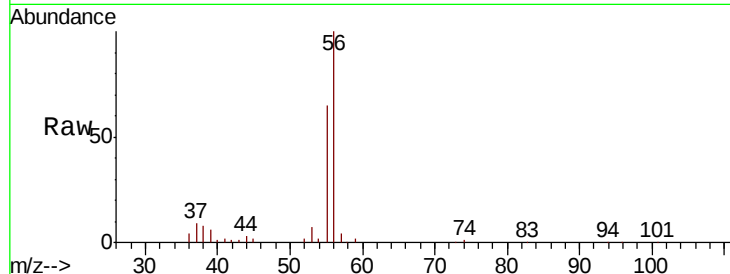




#13
Acrolein
Concen: 248.103 ug/l
RT: 2.93 min Scan# 194
Delta R.T. -0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

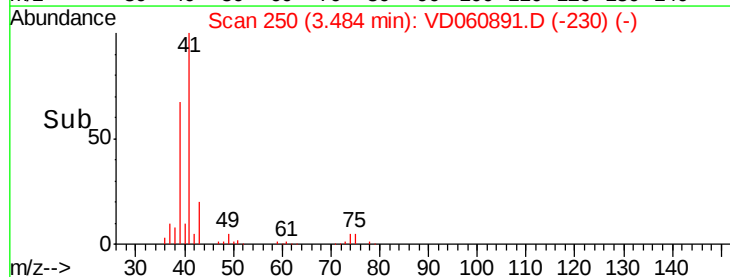
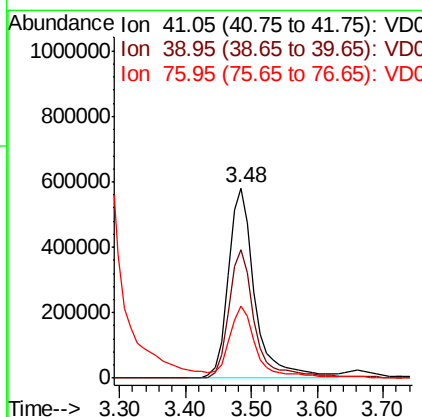
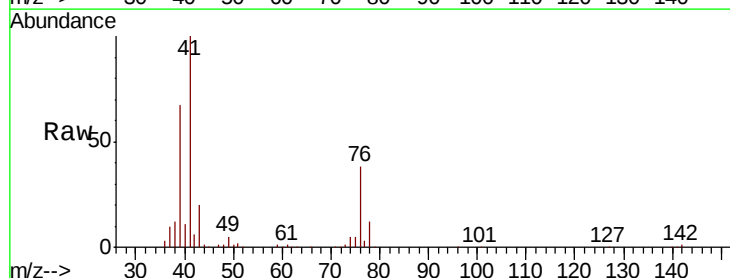
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

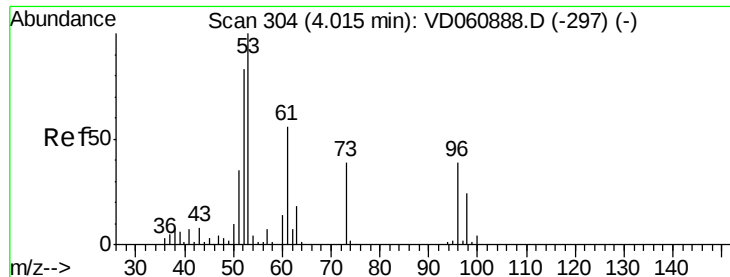
Tgt Ion: 56 Resp: 390068
Ion Ratio Lower Upper
56 100
55 65.4 53.0 79.4



#14
Allyl chloride
Concen: 48.819 ug/l
RT: 3.48 min Scan# 250
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 41 Resp: 1646021
Ion Ratio Lower Upper
41 100
39 67.3 53.7 80.5
76 38.2 30.9 46.3





#15

Acrylonitrile

Concen: 257.181 ug/l

RT: 4.02 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

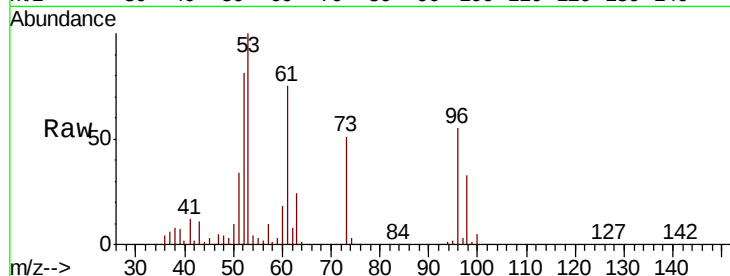
Tgt Ion: 53 Resp: 910508

Ion Ratio Lower Upper

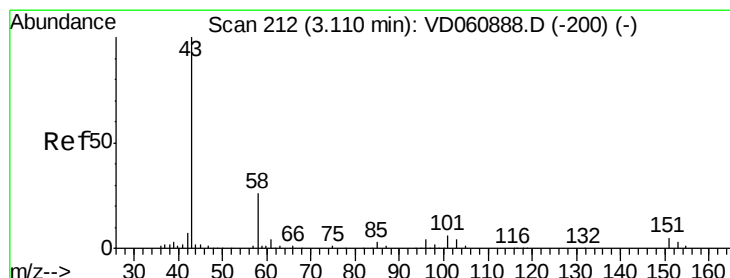
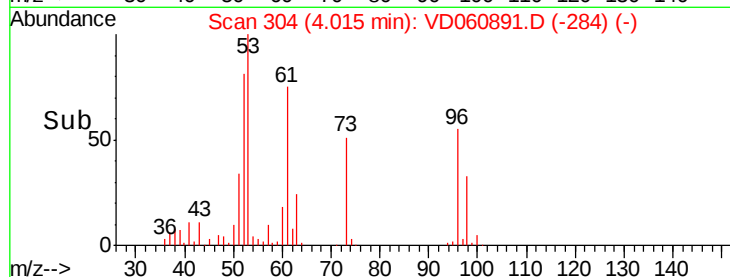
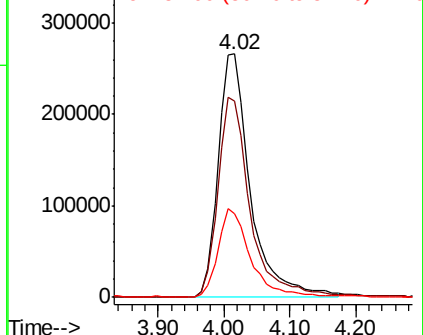
53 100

52 80.6 66.7 100.1

51 34.5 28.4 42.6



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: 233.570 ug/l

RT: 3.11 min Scan# 212

Delta R.T. 0.00 min

Lab File: VD060891.D

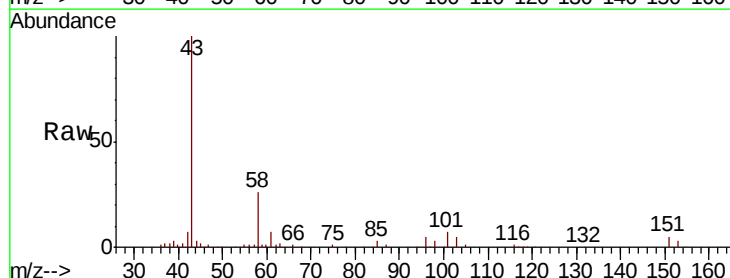
Acq: 21 Feb 2019 20:18

Tgt Ion: 43 Resp: 983065

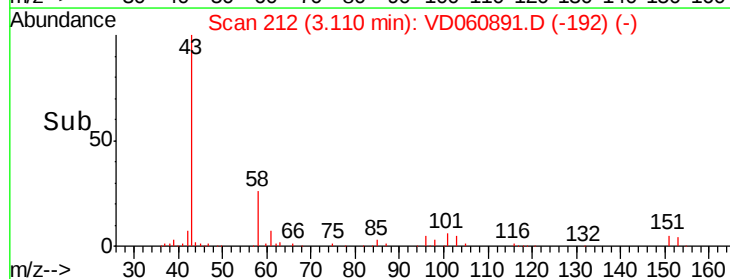
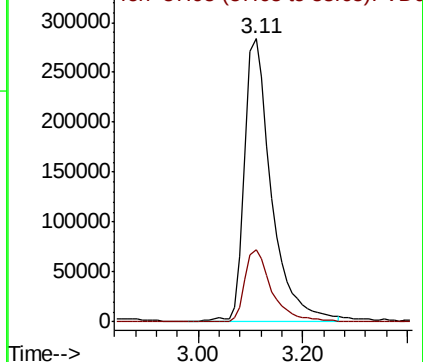
Ion Ratio Lower Upper

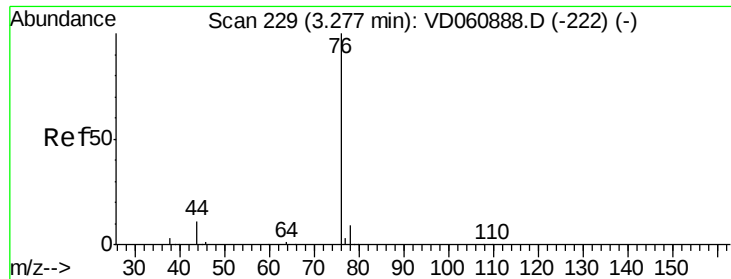
43 100

58 25.5 21.0 31.4



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

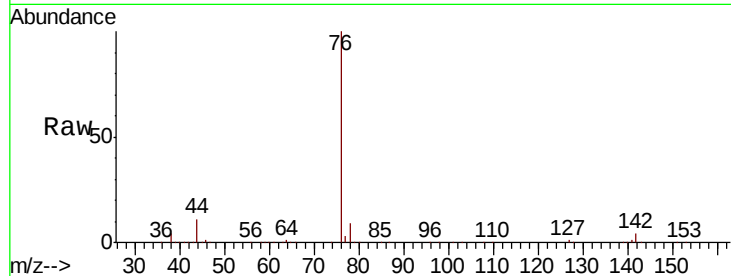




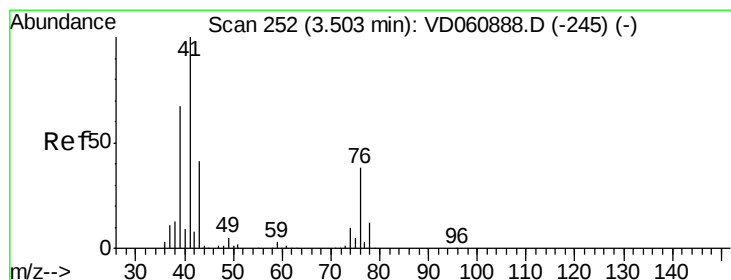
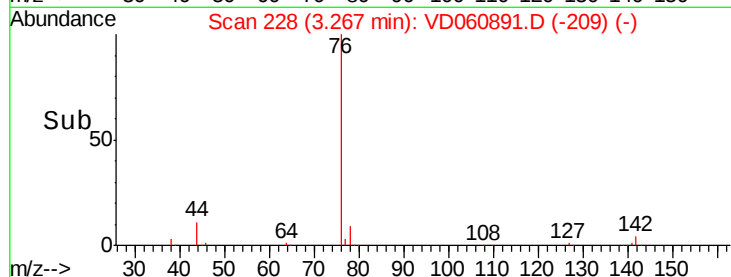
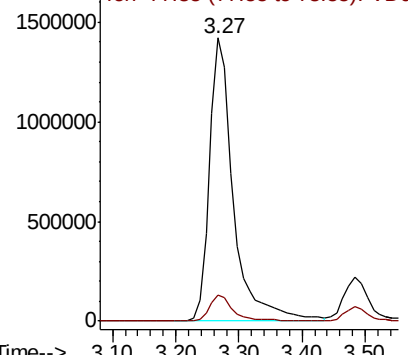
#17
Carbon Disulfide
Concen: 50.205 ug/l
RT: 3.27 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

Tgt Ion: 76 Resp: 3762148
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

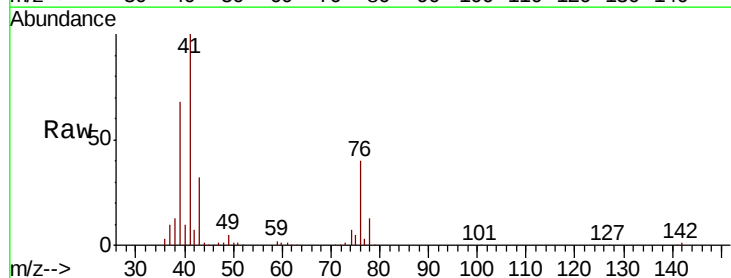


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

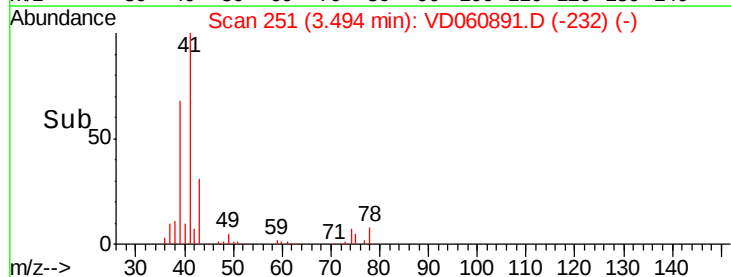
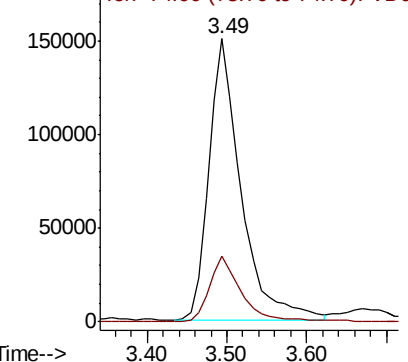


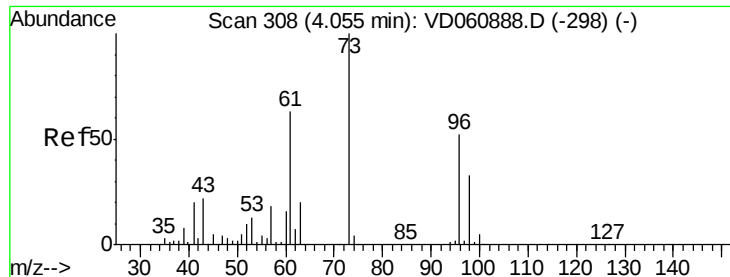
#18
Methyl Acetate
Concen: 49.629 ug/l
RT: 3.49 min Scan# 251
Delta R.T. -0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 43 Resp: 425428
Ion Ratio Lower Upper
43 100
74 23.5 18.6 28.0



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: 50.171 ug/l

RT: 4.05 min Scan# 308

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

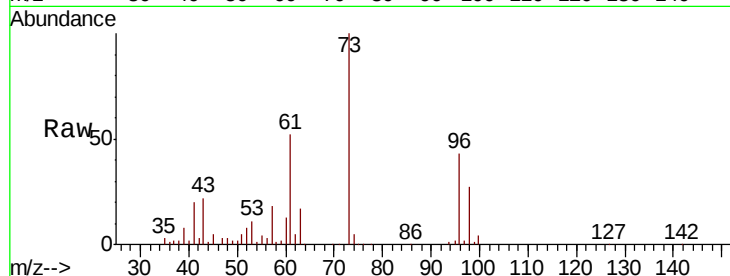
ICVVD022119

Tgt Ion: 73 Resp: 1915779

Ion Ratio Lower Upper

73 100

57 17.6 14.5 21.7



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.05

600000

500000

400000

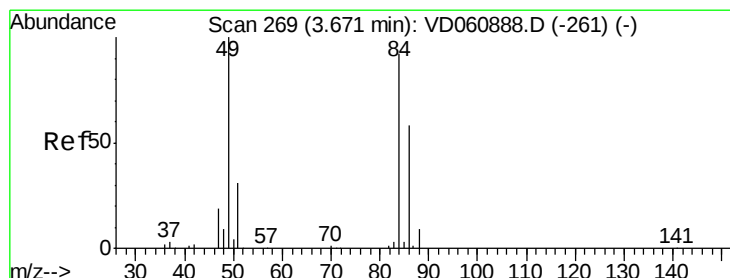
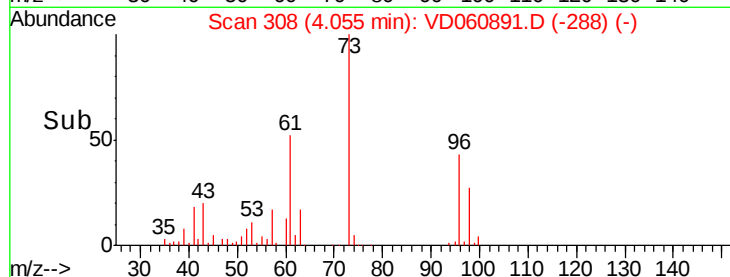
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 48.382 ug/l

RT: 3.66 min Scan# 268

Delta R.T. -0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Tgt Ion: 84 Resp: 1152879

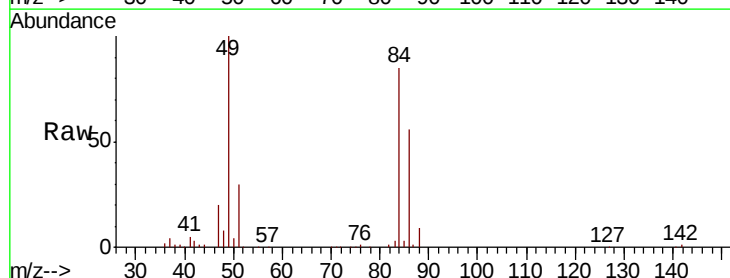
Ion Ratio Lower Upper

84 100

49 117.8 87.2 130.8

51 35.1 27.4 41.0

86 65.7 50.7 76.1



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

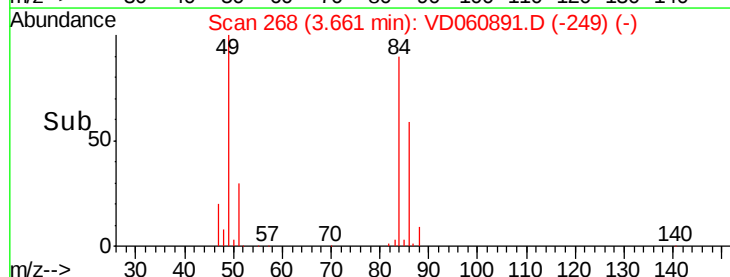
600000

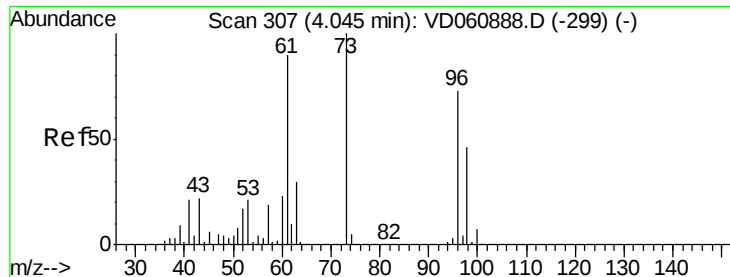
400000

200000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 48.569 ug/l

RT: 4.04 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

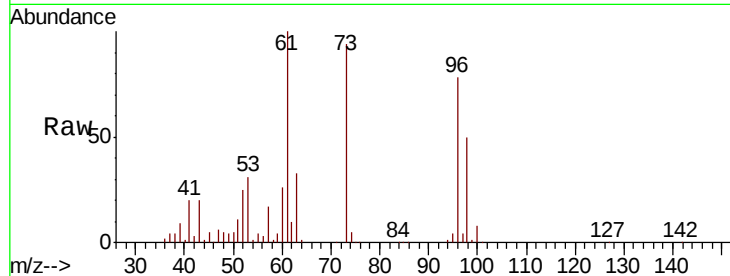
Tgt Ion: 96 Resp: 1058190

Ion Ratio Lower Upper

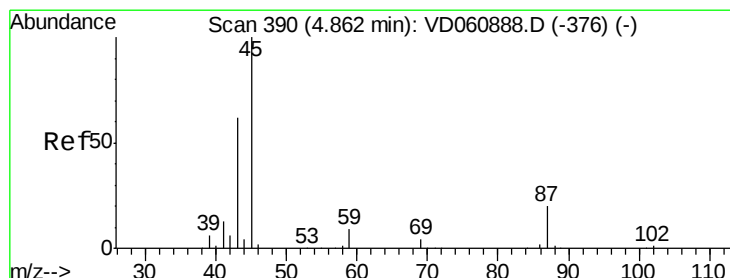
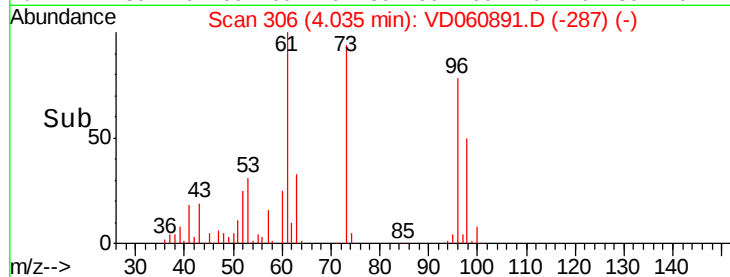
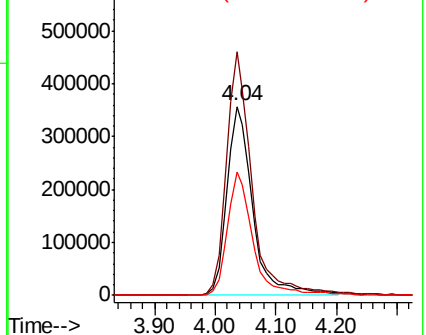
96 100

61 128.9 99.4 149.2

98 65.0 50.6 75.8



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



#22

Diisopropyl ether

Concen: 48.004 ug/l

RT: 4.86 min Scan# 390

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Tgt Ion: 45 Resp: 3131143

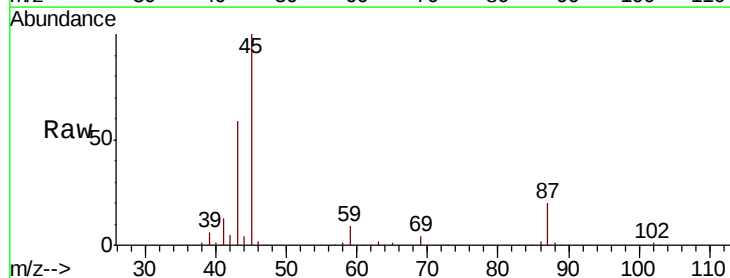
Ion Ratio Lower Upper

45 100

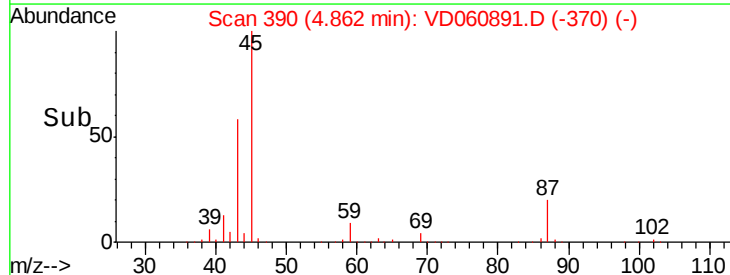
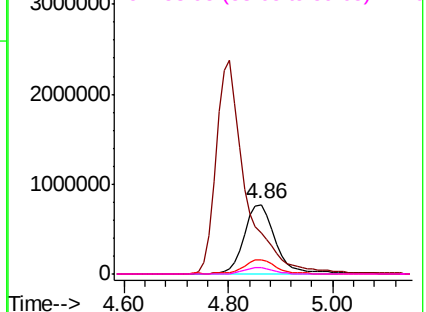
43 58.5 49.8 74.8

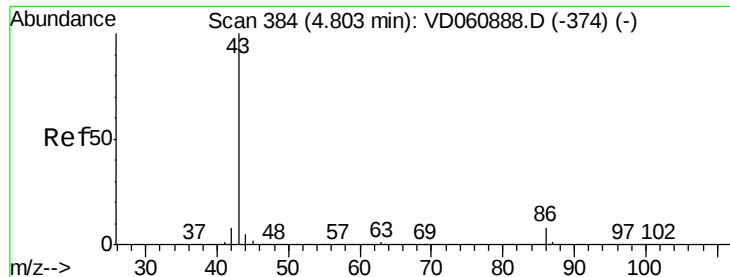
87 20.2 16.7 25.1

59 9.2 7.4 11.2



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





#23

Vinyl Acetate

Concen: 256.401 ug/l

RT: 4.80 min Scan# 384

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

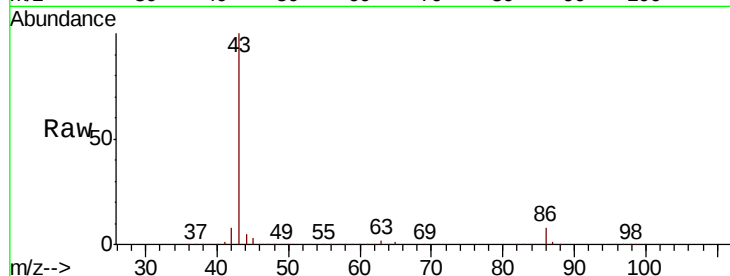
ICVVD022119

Tgt Ion: 43 Resp: 9170280

Ion Ratio Lower Upper

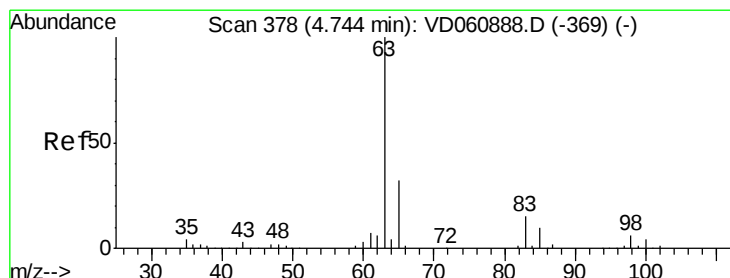
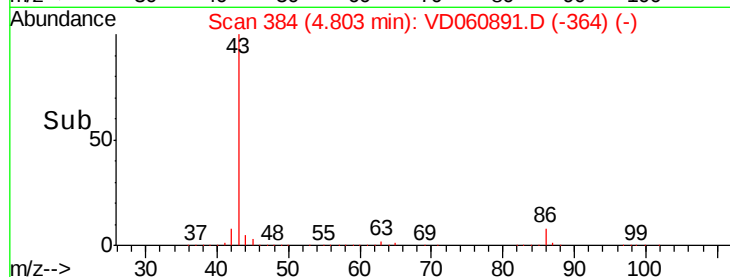
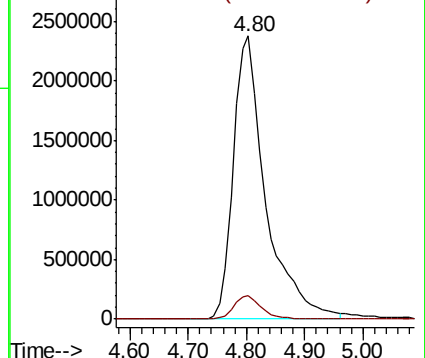
43 100

86 8.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.586 ug/l

RT: 4.74 min Scan# 378

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

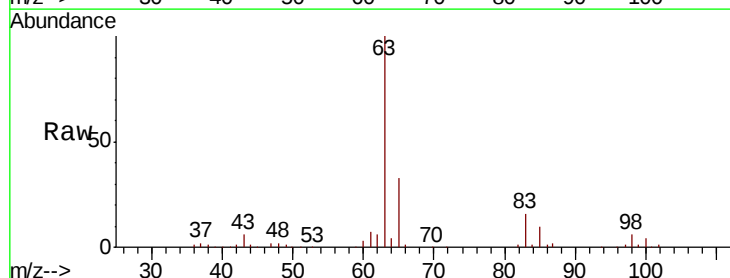
Tgt Ion: 63 Resp: 1724925

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

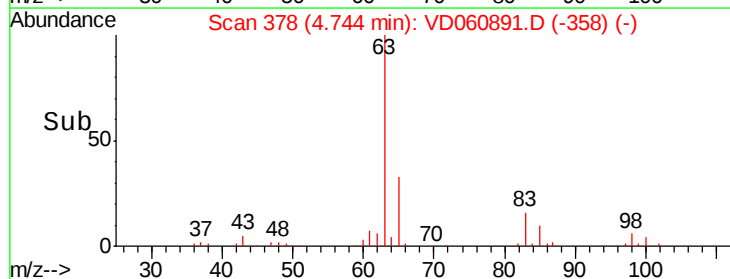
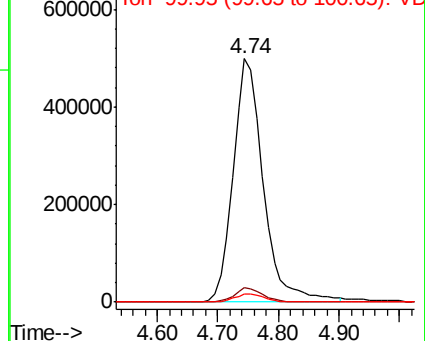
100 3.5 1.8 5.4

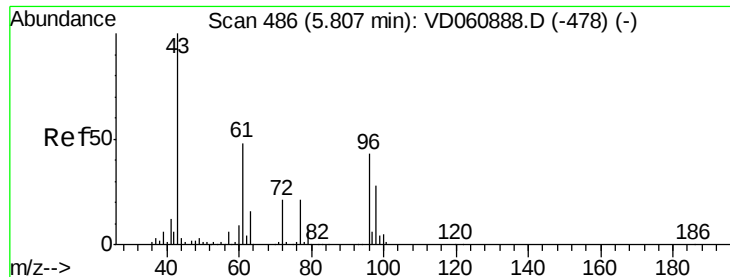


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 250.751 ug/l

RT: 5.80 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

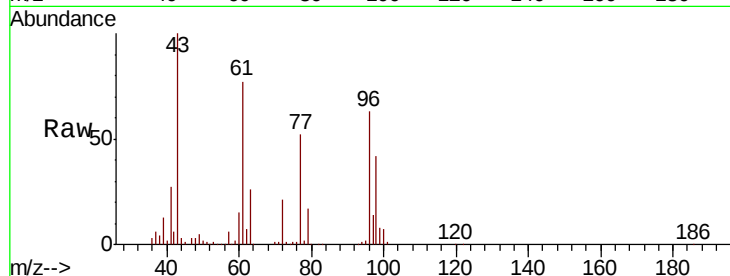
ICVVD022119

Tgt Ion: 43 Resp: 1336843

Ion Ratio Lower Upper

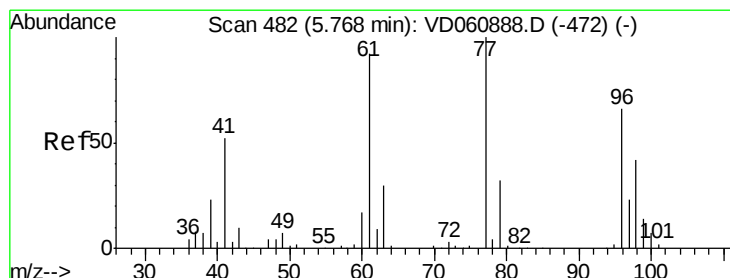
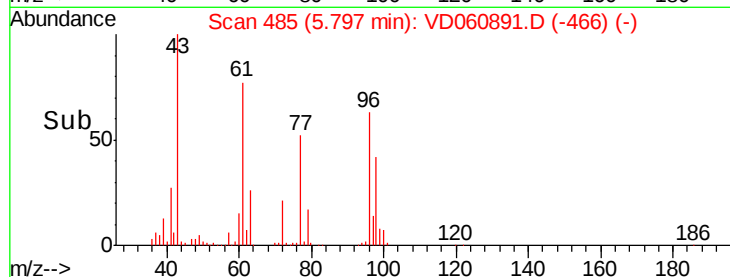
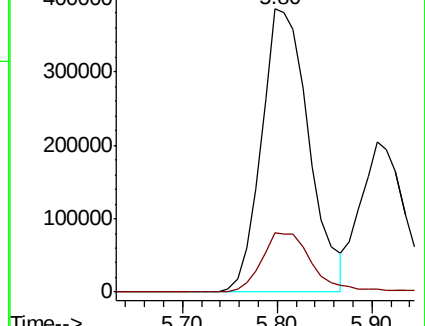
43 100

72 21.0 17.0 25.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.810 ug/l

RT: 5.77 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD060891.D

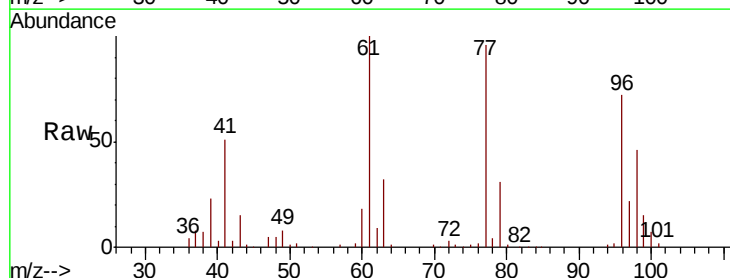
Acq: 21 Feb 2019 20:18

Tgt Ion: 77 Resp: 1455117

Ion Ratio Lower Upper

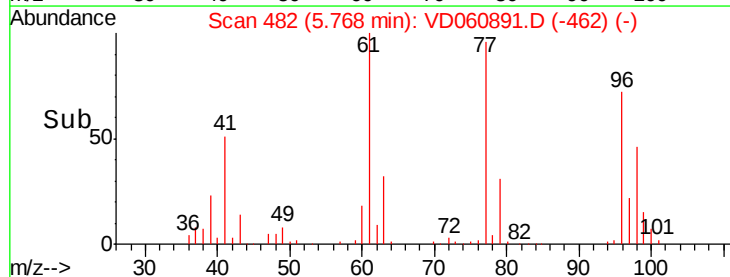
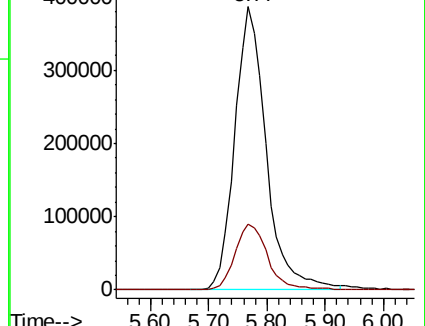
77 100

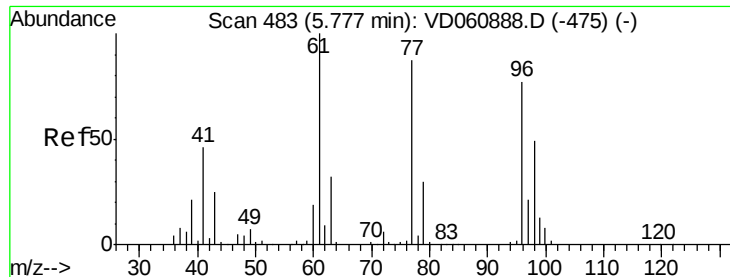
97 23.4 11.6 34.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



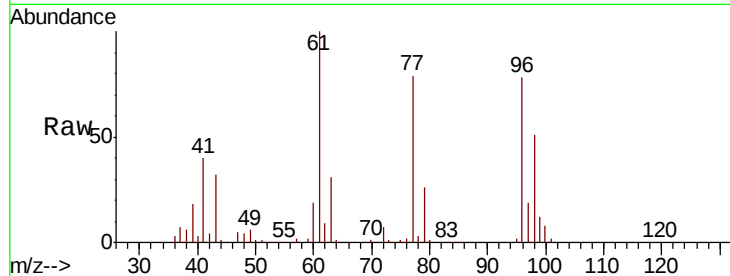


#27

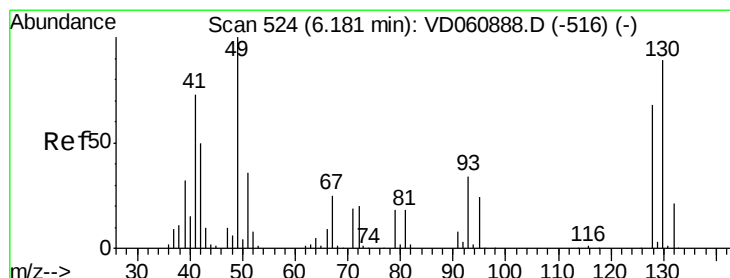
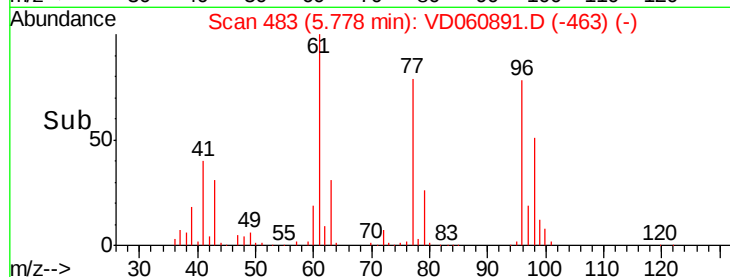
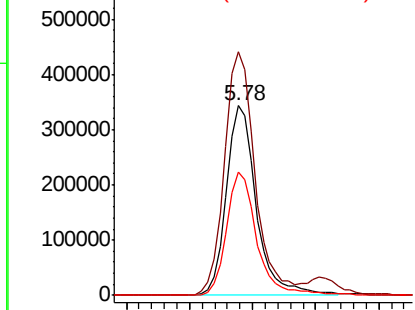
cis-1,2-Dichloroethene
Concen: 47.977 ug/l
RT: 5.78 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

Tgt Ion: 96 Resp: 1133624
Ion Ratio Lower Upper
96 100
61 128.6 0.0 259.4
98 65.0 0.0 127.4



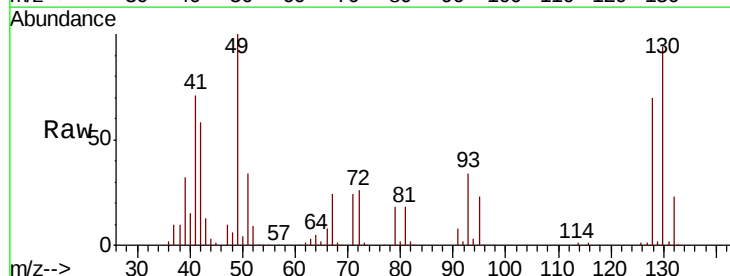
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



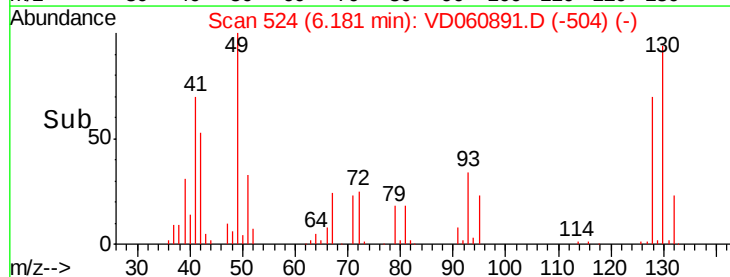
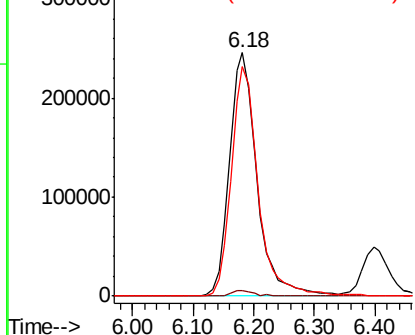
#28

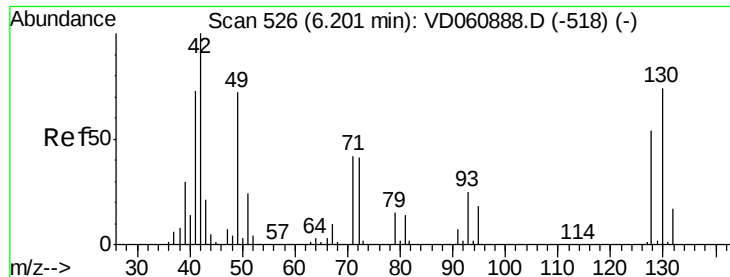
Bromochloromethane
Concen: 53.478 ug/l
RT: 6.18 min Scan# 524
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 49 Resp: 774362
Ion Ratio Lower Upper
49 100
129 2.2 0.0 5.0
130 94.1 71.4 107.0



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





#29

Tetrahydrofuran

Concen: 251.881 ug/l

RT: 6.20 min Scan# 526

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

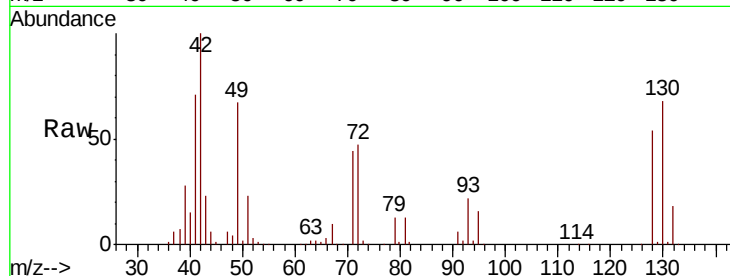
Tgt Ion: 42 Resp: 733376

Ion Ratio Lower Upper

42 100

72 45.5 35.0 52.4

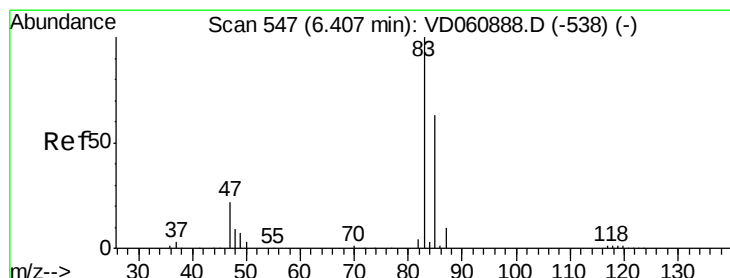
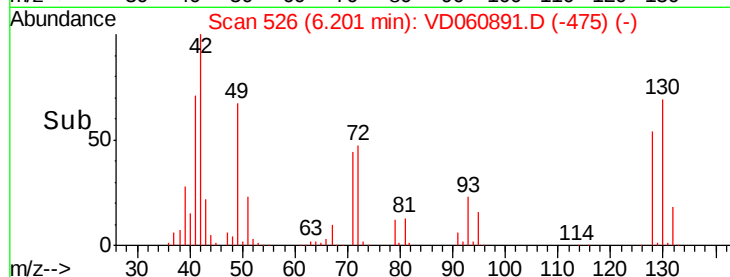
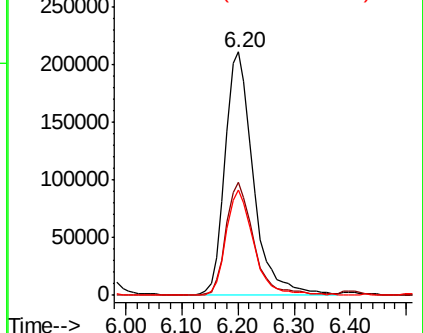
71 42.6 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.649 ug/l

RT: 6.40 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060891.D

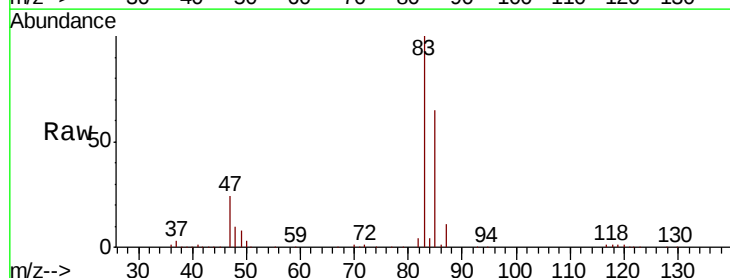
Acq: 21 Feb 2019 20:18

Tgt Ion: 83 Resp: 1996480

Ion Ratio Lower Upper

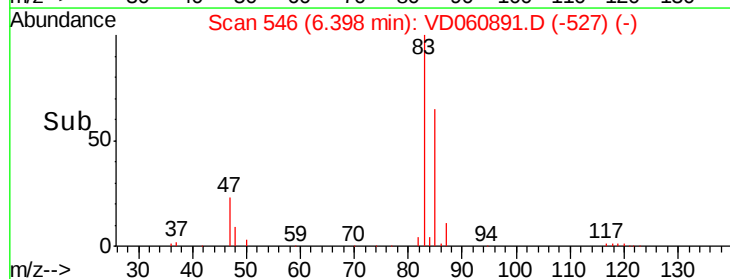
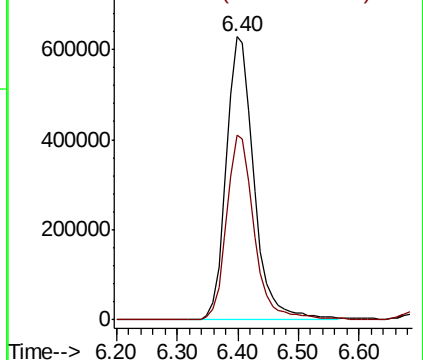
83 100

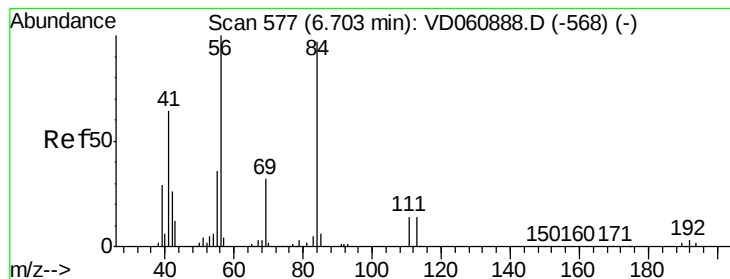
85 65.1 50.7 76.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 46.518 ug/l

RT: 6.70 min Scan# 577

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

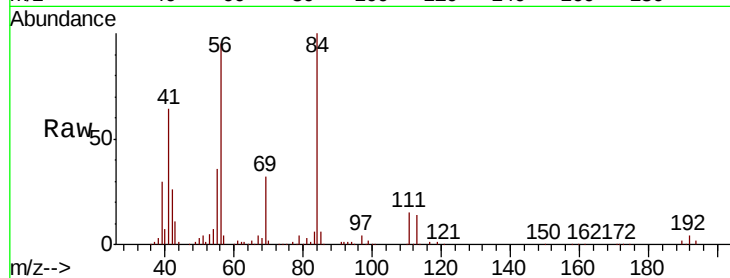
Tgt Ion: 56 Resp: 1370683

Ion Ratio Lower Upper

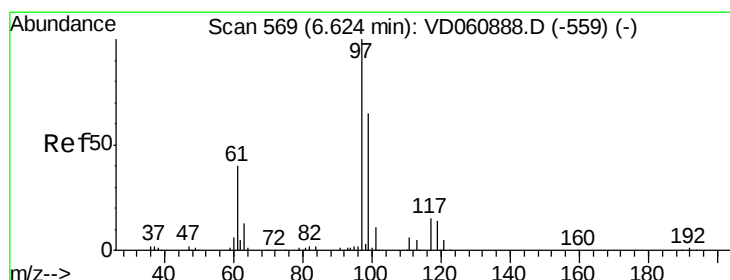
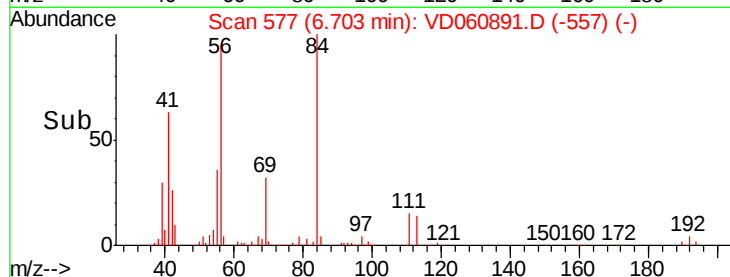
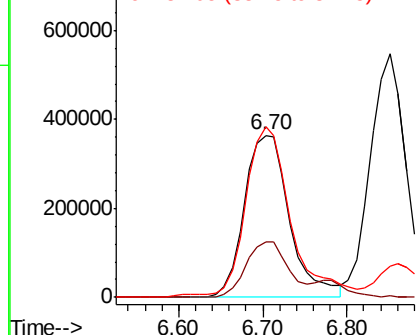
56 100

69 33.9 25.8 38.8

84 105.5 78.9 118.3



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



#32

1,1,1-Trichloroethane

Concen: 48.010 ug/l

RT: 6.61 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

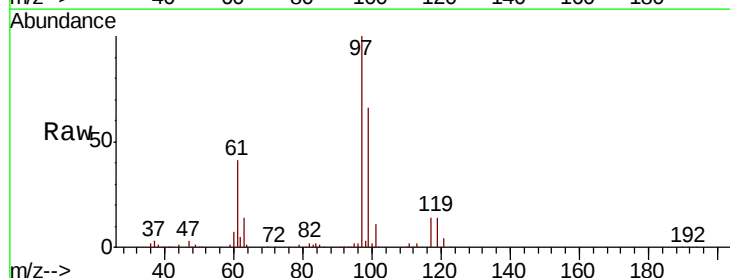
Tgt Ion: 97 Resp: 1482658

Ion Ratio Lower Upper

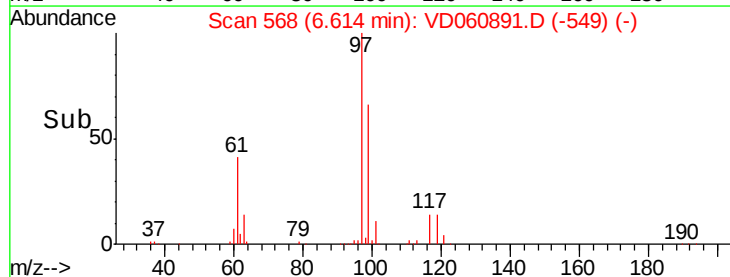
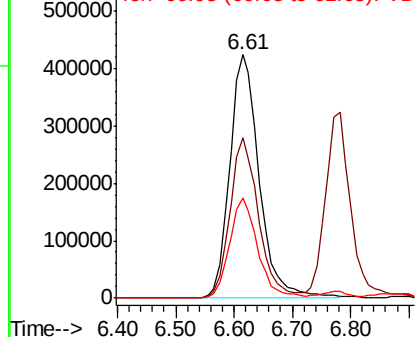
97 100

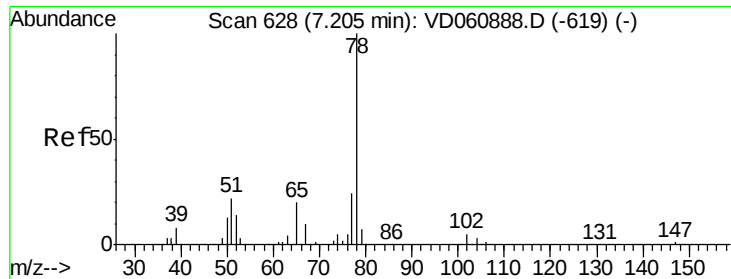
99 66.0 51.9 77.9

61 41.1 32.0 48.0



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

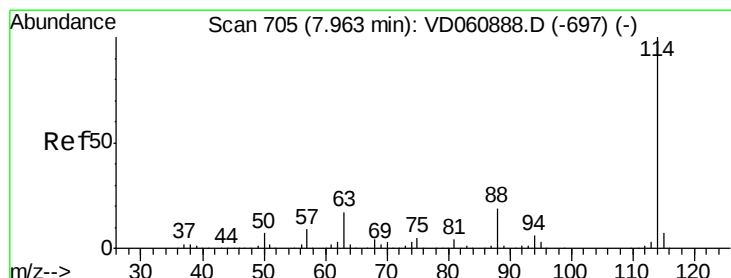
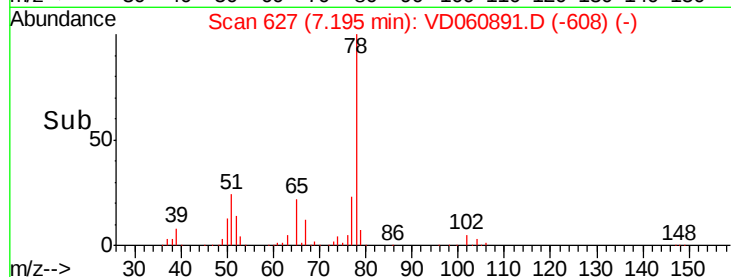
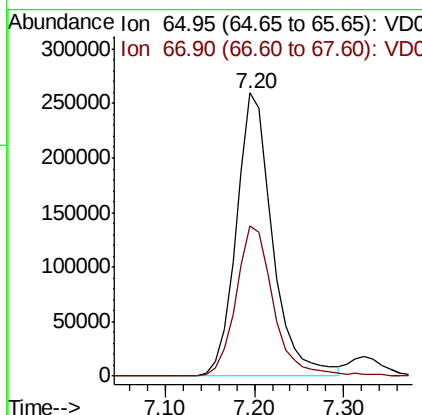
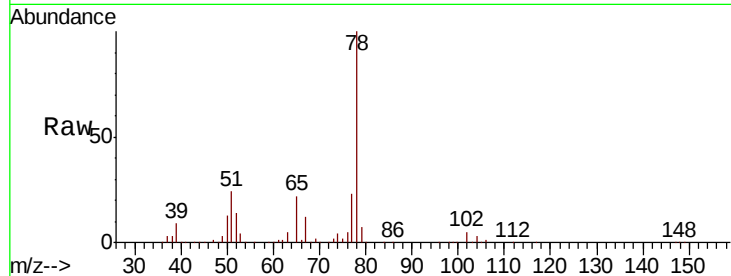




#33
 1,2-Dichloroethane-d4
 Concen: 48.010 ug/l
 RT: 7.20 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

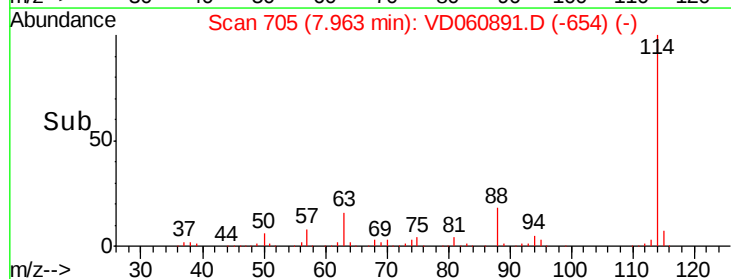
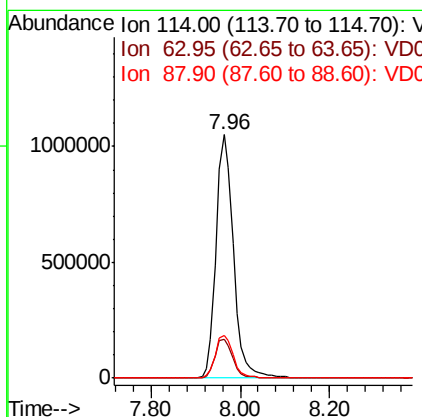
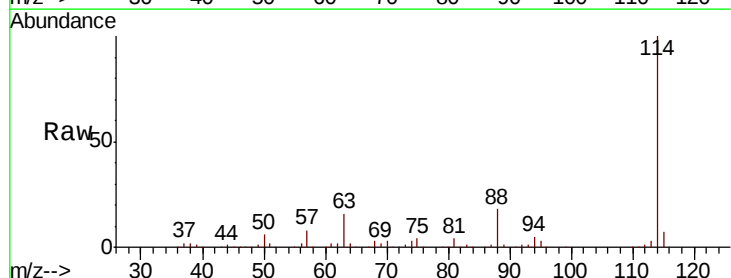
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022119

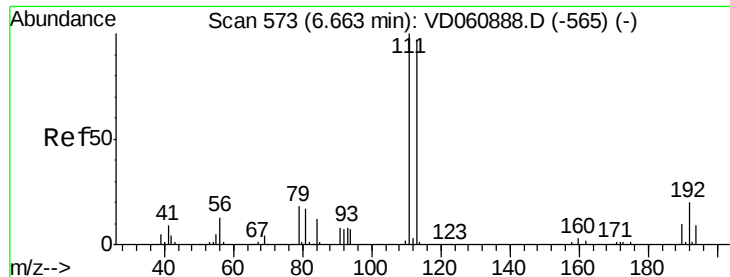
Tgt Ion: 65 Resp: 730237
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.96 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

Tgt Ion: 114 Resp: 2850738
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 33.4
 88 17.8 0.0 37.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.66 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

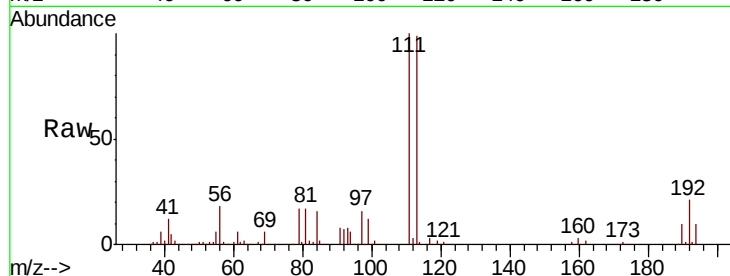
Tgt Ion:113 Resp: 1095036

Ion Ratio Lower Upper

113 100

111 100.8 82.6 123.8

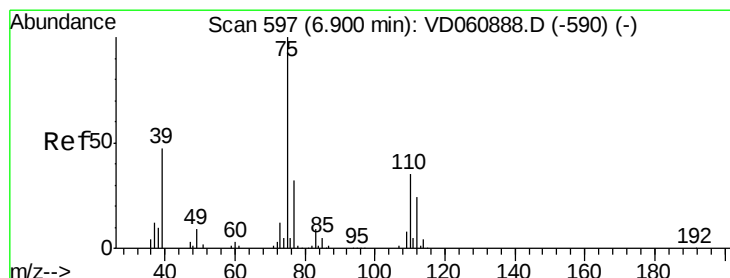
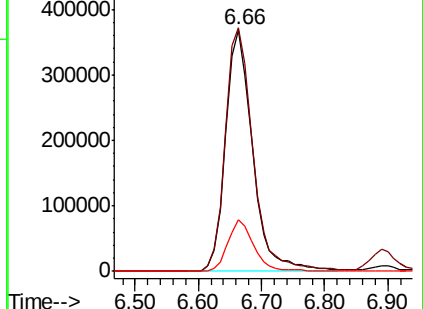
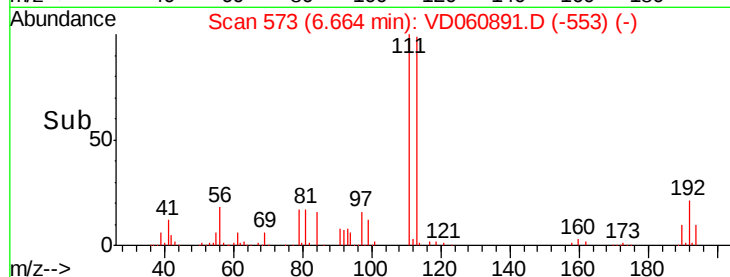
192 21.2 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.624 ug/l

RT: 6.89 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

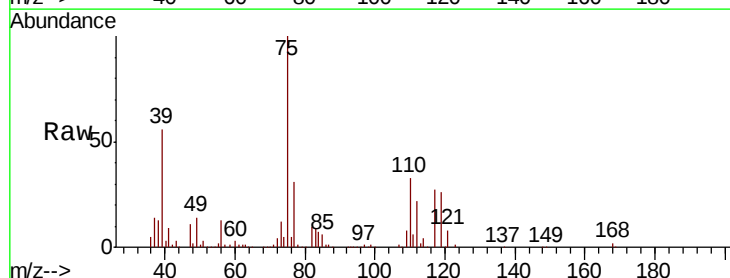
Tgt Ion: 75 Resp: 1488489

Ion Ratio Lower Upper

75 100

110 33.5 17.5 52.5

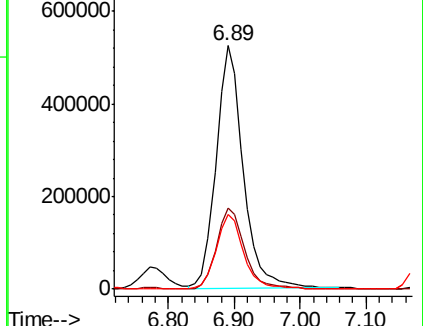
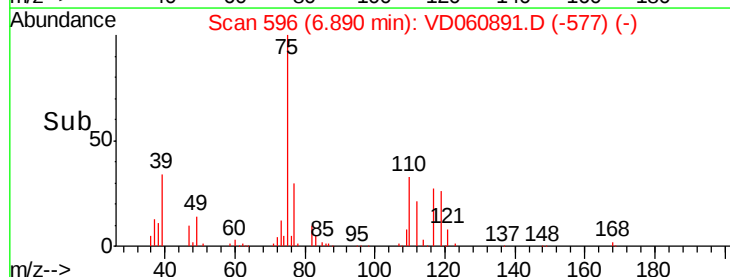
77 30.7 25.6 38.4

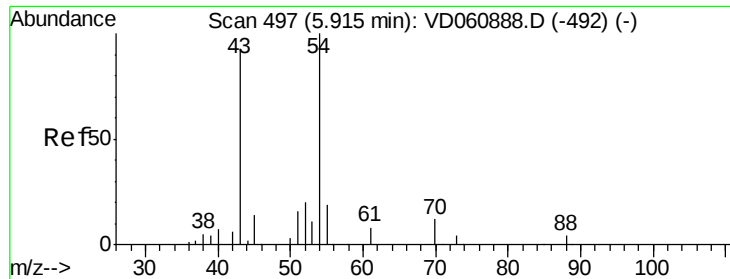


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

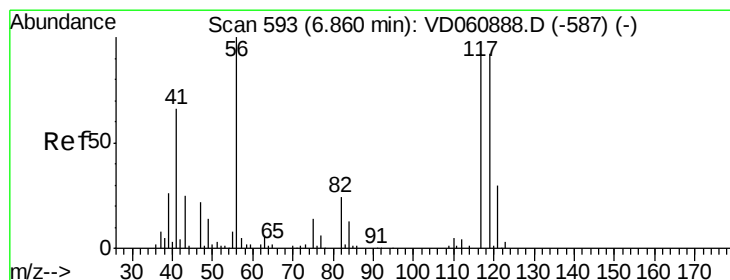
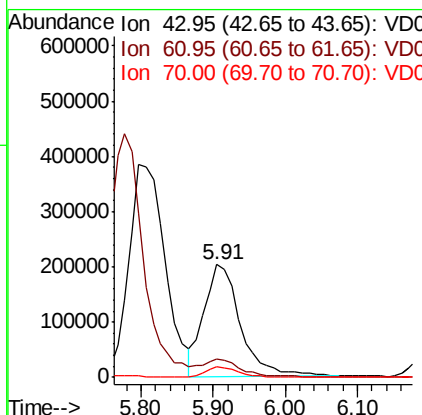
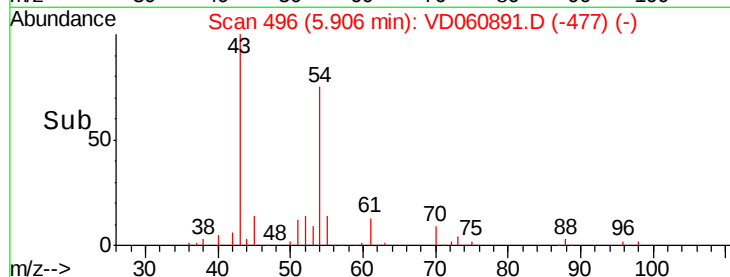
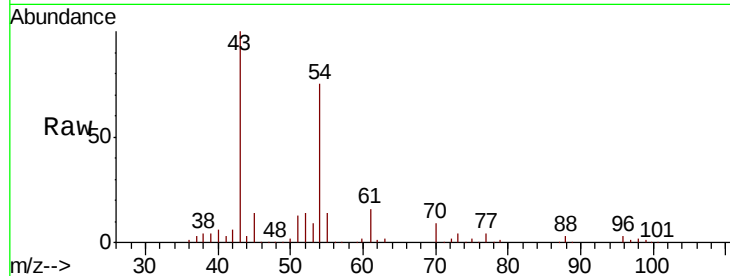




#37
Ethyl Acetate
Concen: 55.400 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

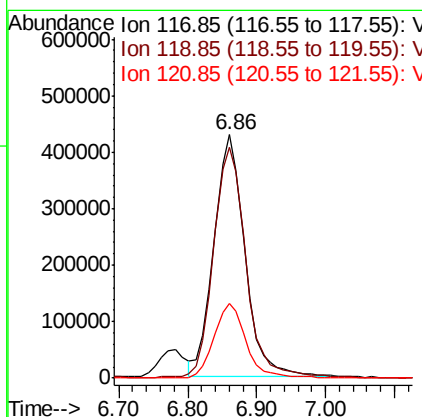
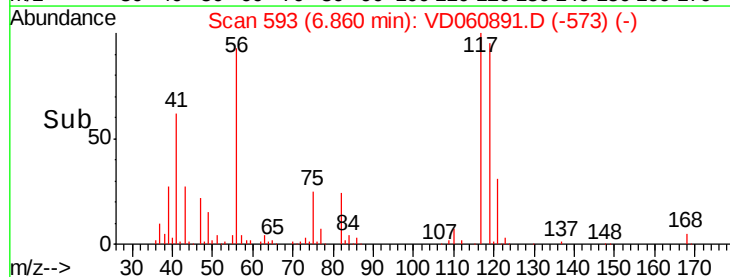
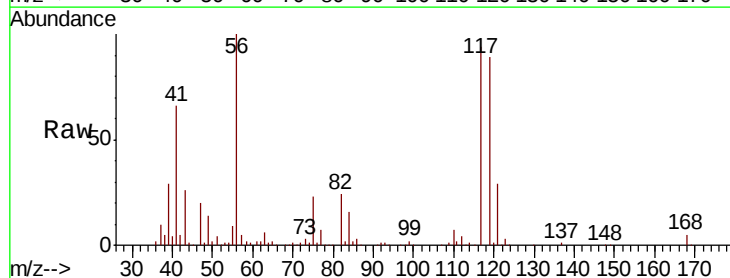
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

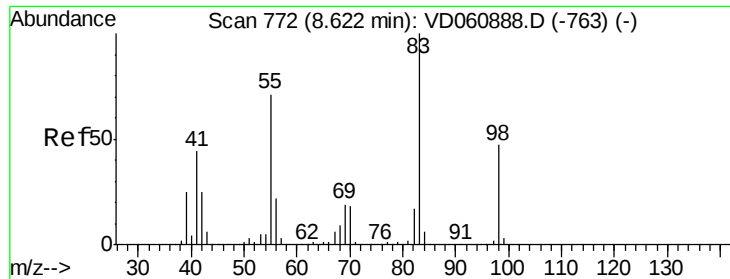
Tgt Ion: 43 Resp: 705748
Ion Ratio Lower Upper
43 100
61 15.8 12.9 19.3
70 9.1 8.1 12.1



#38
Carbon Tetrachloride
Concen: 51.993 ug/l
RT: 6.86 min Scan# 593
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 117 Resp: 1340267
Ion Ratio Lower Upper
117 100
119 94.8 75.7 113.5
121 30.7 24.9 37.3

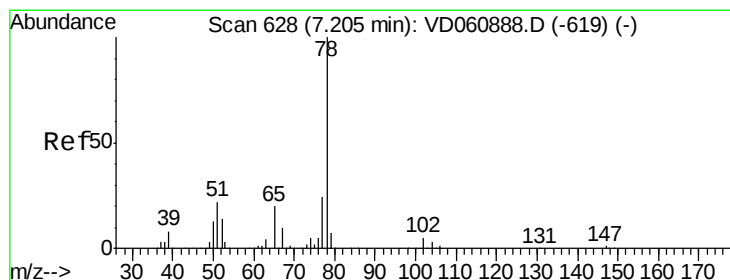
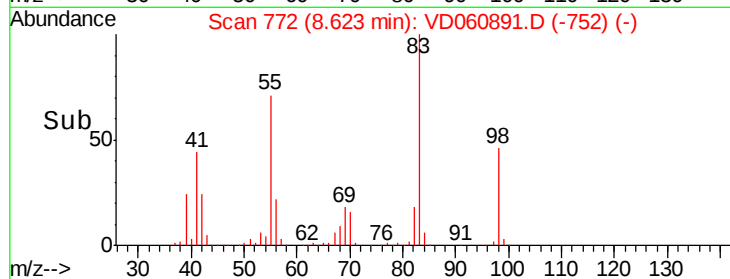
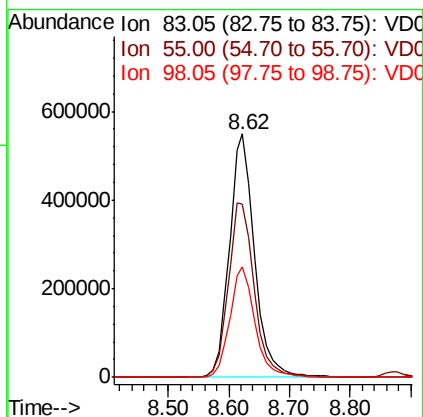
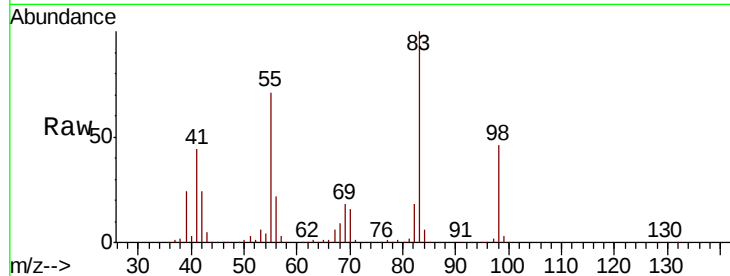




#39
Methylcyclohexane
Concen: 48.374 ug/l
RT: 8.62 min Scan# 772
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

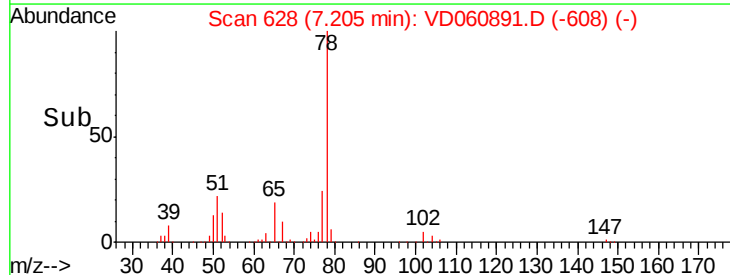
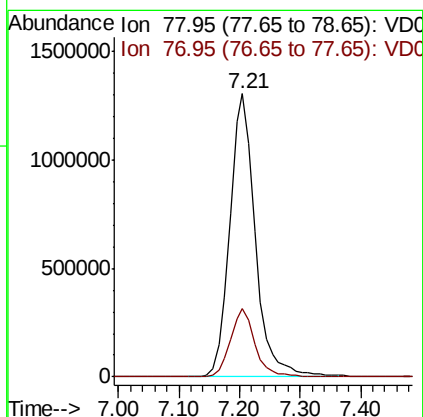
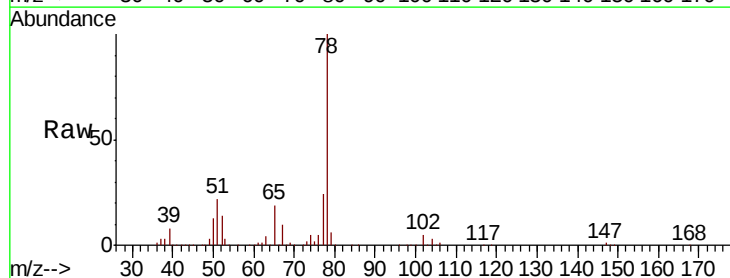
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

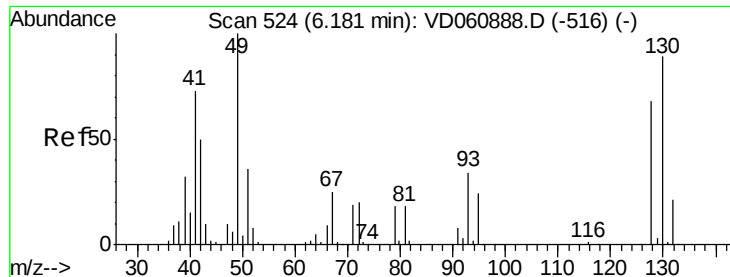
Tgt Ion: 83 Resp: 1578255
Ion Ratio Lower Upper
83 100
55 71.0 57.1 85.7
98 45.6 37.5 56.3



#40
Benzene
Concen: 50.540 ug/l
RT: 7.21 min Scan# 628
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 78 Resp: 3817127
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7





#41

Methacrylonitrile

Concen: 110.737 ug/l

RT: 6.19 min Scan# 525

Delta R.T. 0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

Tgt Ion: 41 Resp: 794007

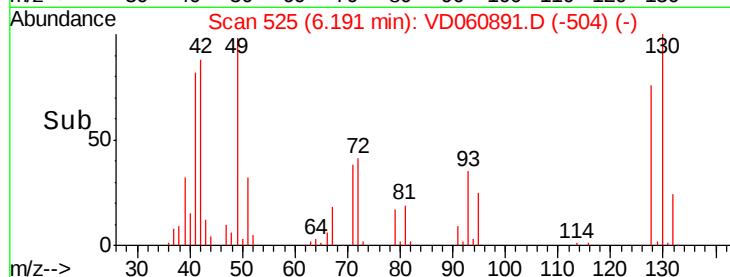
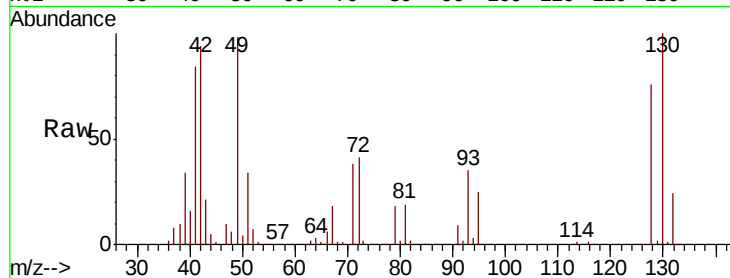
Ion Ratio Lower Upper

41 100

39 40.4 35.1 52.7

67 21.7 28.0 42.0#

52 8.5 9.2 13.8#

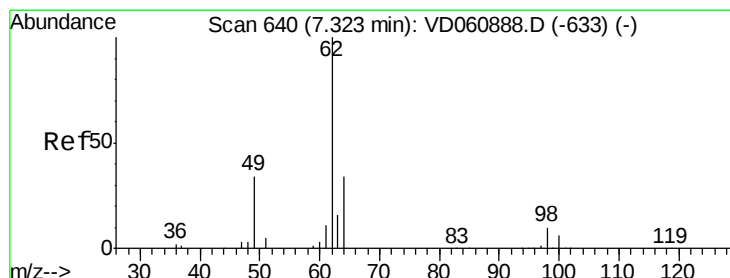
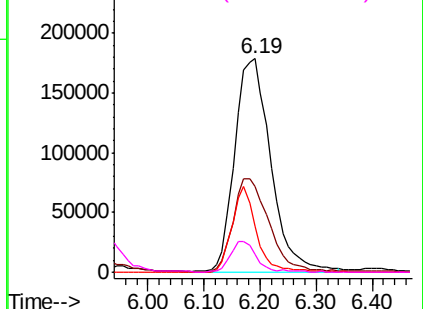


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 54.389 ug/l

RT: 7.32 min Scan# 640

Delta R.T. 0.00 min

Lab File: VD060891.D

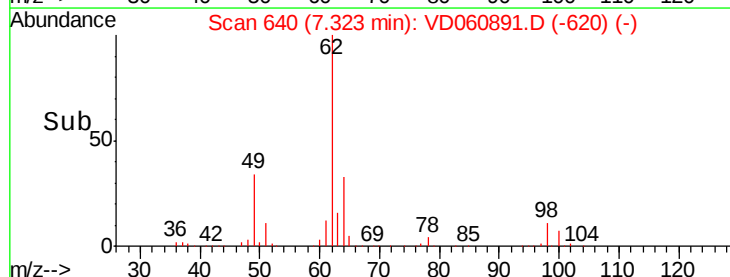
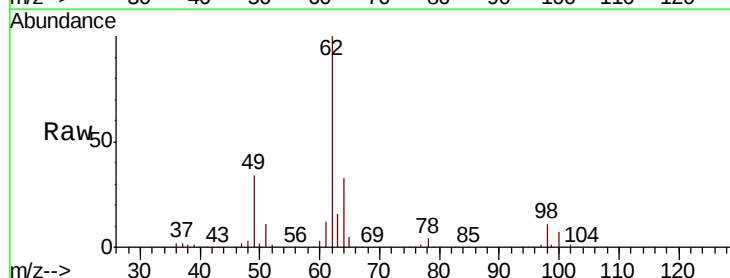
Acq: 21 Feb 2019 20:18

Tgt Ion: 62 Resp: 1028065

Ion Ratio Lower Upper

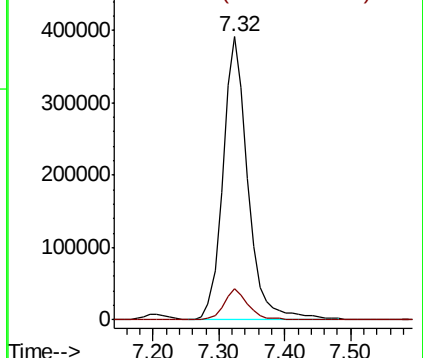
62 100

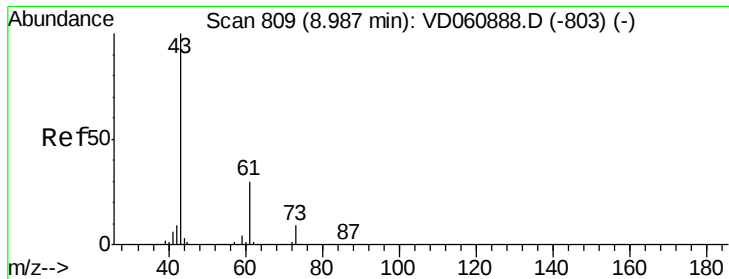
98 11.1 0.0 19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.724 ug/l

RT: 8.99 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

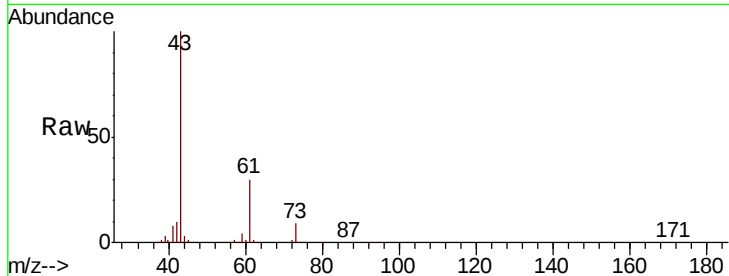
Tgt Ion: 43 Resp: 969363

Ion Ratio Lower Upper

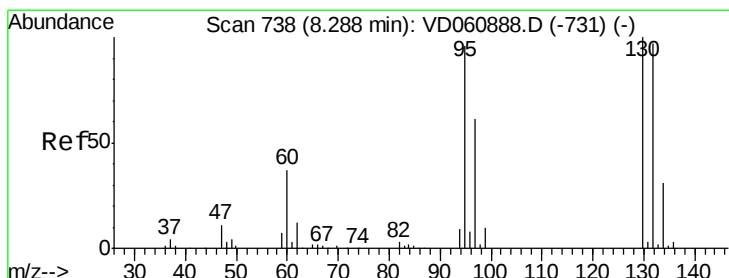
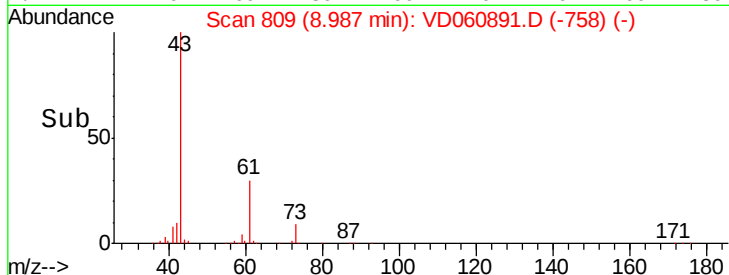
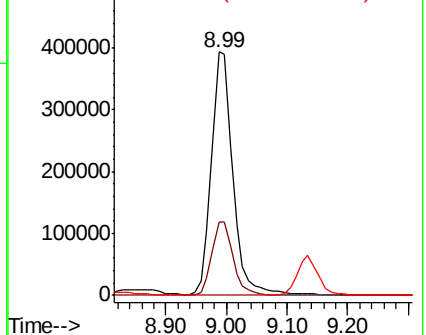
43 100

61 30.0 23.9 35.9

87 0.3 0.2 0.4



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: 53.578 ug/l

RT: 8.29 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD060891.D

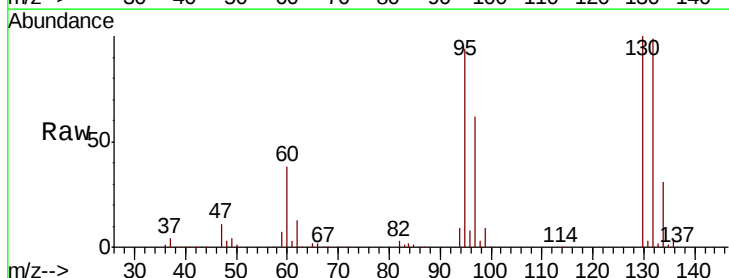
Acq: 21 Feb 2019 20:18

Tgt Ion:130 Resp: 1250339

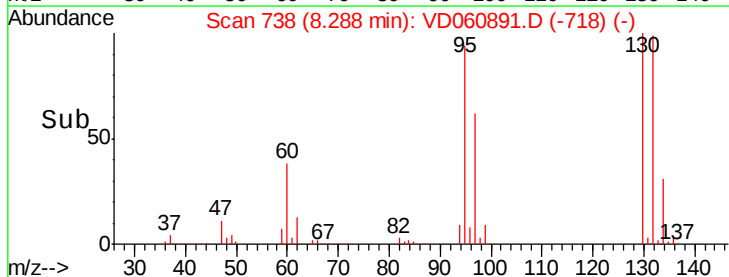
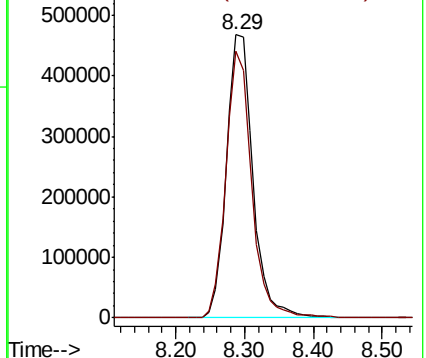
Ion Ratio Lower Upper

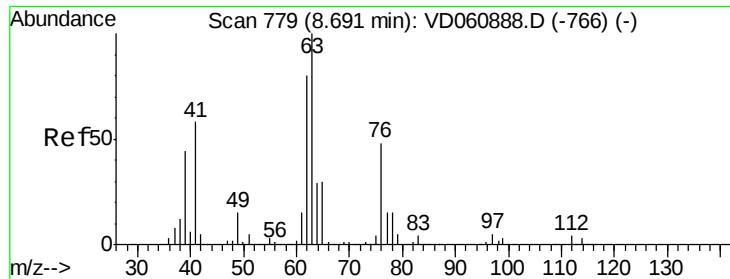
130 100

95 94.1 0.0 191.2



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





#45

1,2-Dichloropropane

Concen: 53.074 ug/l

RT: 8.69 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

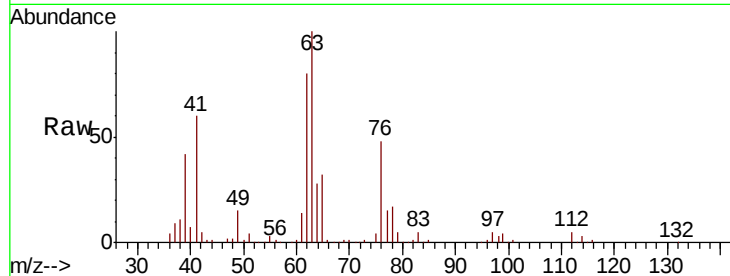
ICVVD022119

Tgt Ion: 63 Resp: 914575

Ion Ratio Lower Upper

63 100

65 31.7 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.69

300000

200000

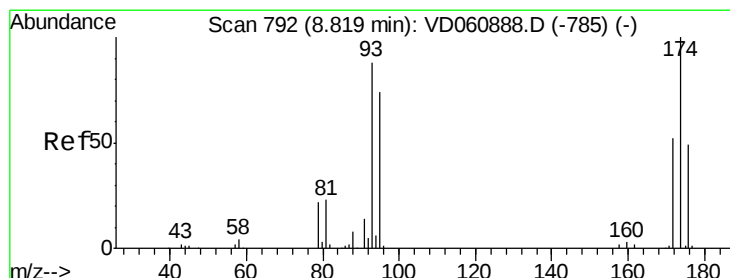
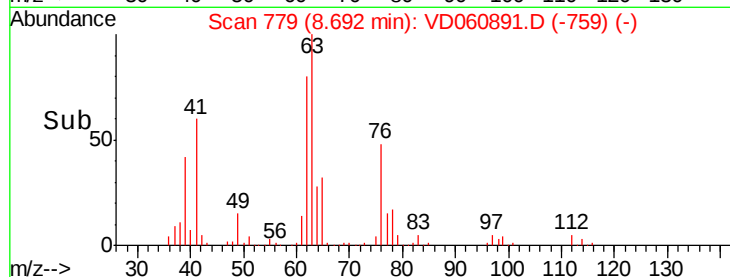
100000

0

Time-->

8.60

8.80



#46

Dibromomethane

Concen: 51.345 ug/l

RT: 8.82 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

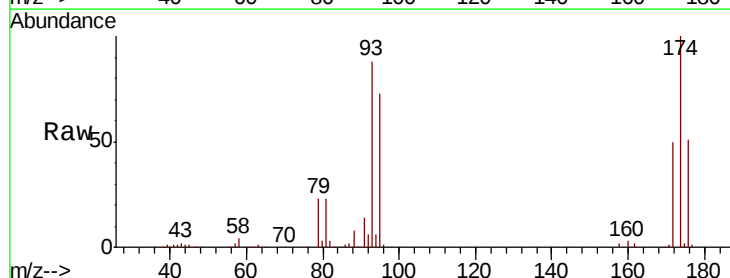
Tgt Ion: 93 Resp: 618053

Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 113.2 91.1 136.7



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.82

300000

200000

100000

0

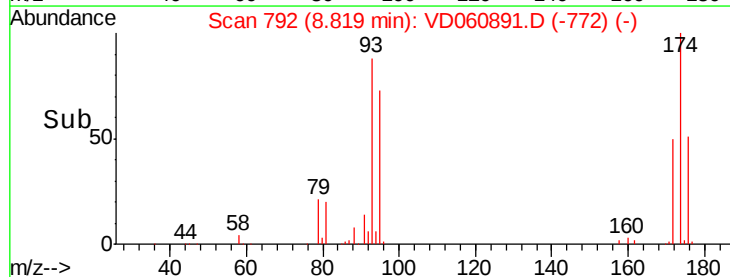
Time-->

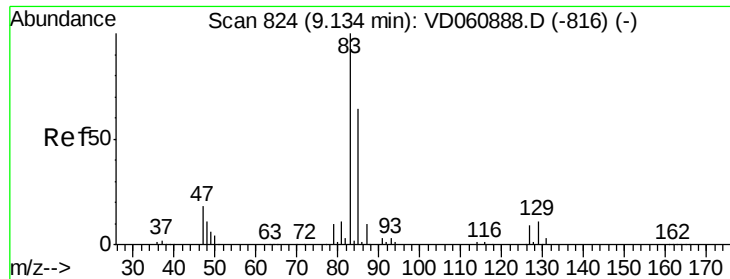
8.70

8.80

8.90

9.00





#47

Bromodichloromethane

Concen: 53.012 ug/l

RT: 9.13 min Scan# 824

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

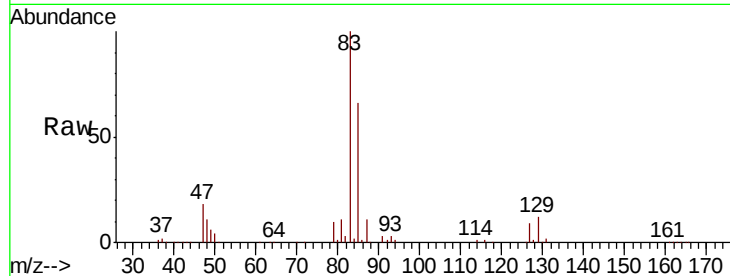
Tgt Ion: 83 Resp: 1504748

Ion Ratio Lower Upper

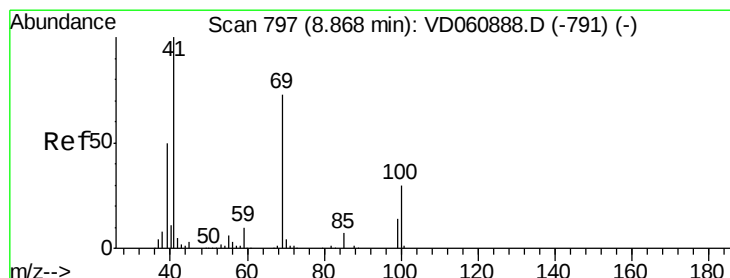
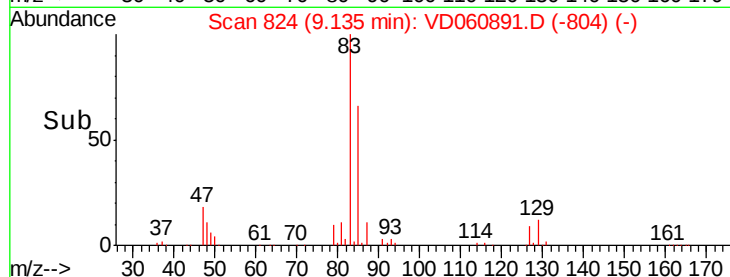
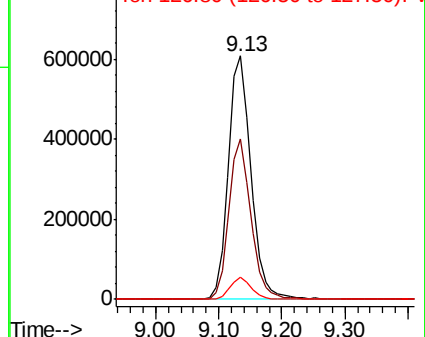
83 100

85 66.0 51.3 76.9

127 8.9 6.9 10.3



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: 51.065 ug/l

RT: 8.88 min Scan# 798

Delta R.T. 0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

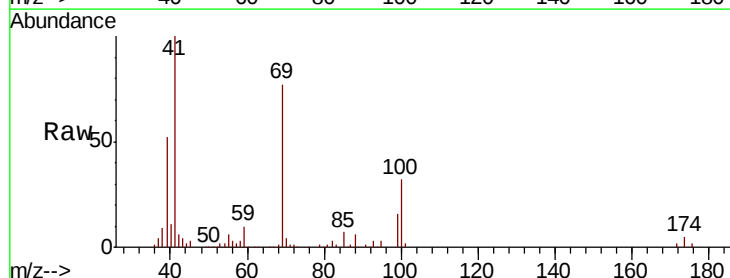
Tgt Ion: 41 Resp: 528838

Ion Ratio Lower Upper

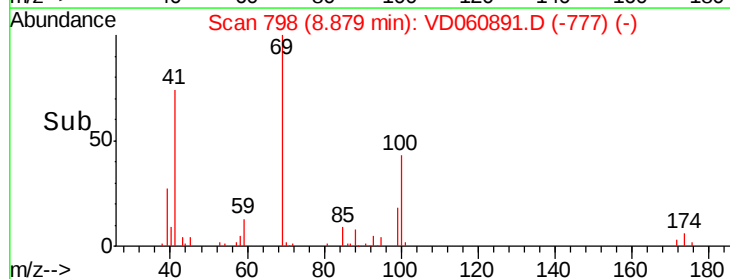
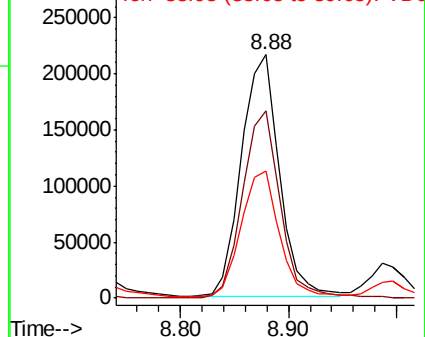
41 100

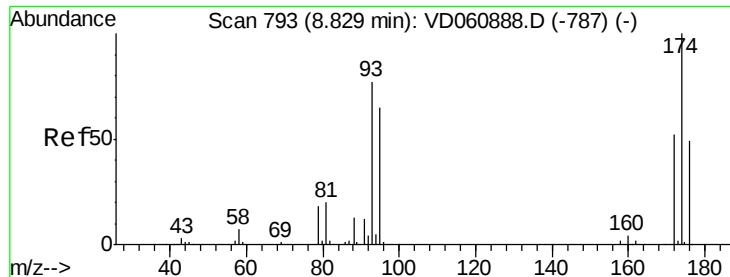
69 76.7 57.8 86.6

39 52.2 40.0 60.0



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

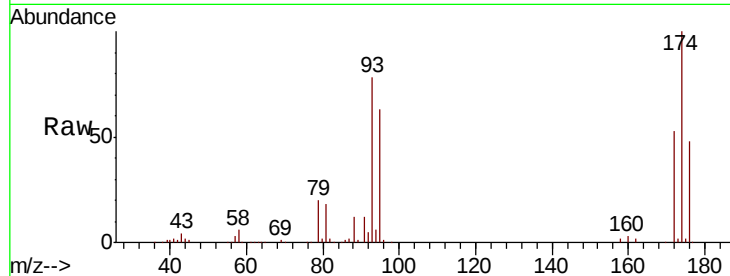




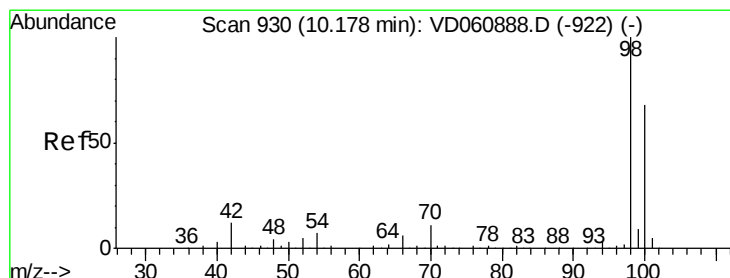
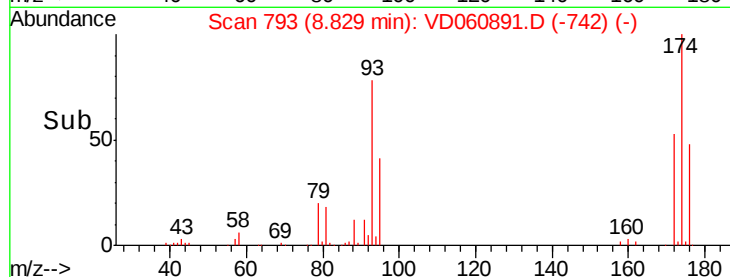
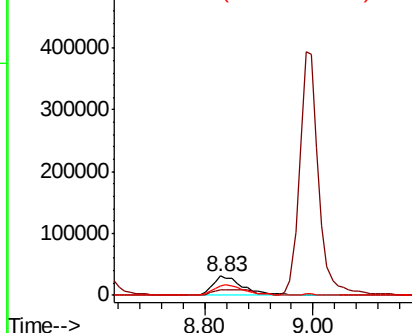
#49
1,4-Dioxane
Concen: 1044.277 ug/l
RT: 8.83 min Scan# 793
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

Tgt Ion: 88 Resp: 123180
Ion Ratio Lower Upper
88 100
43 30.9 21.6 32.4
58 51.6 43.0 64.6

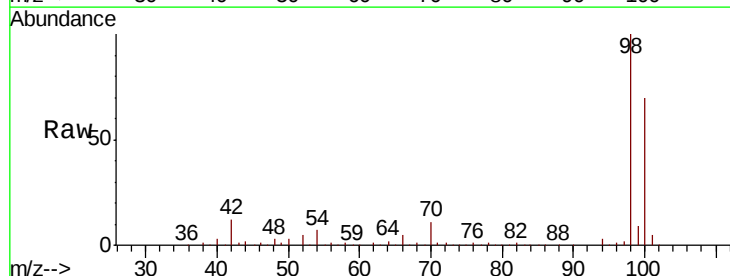


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

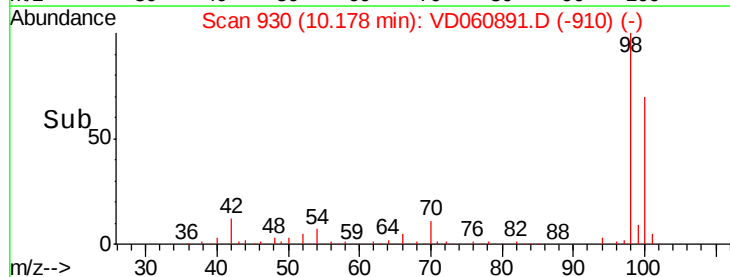
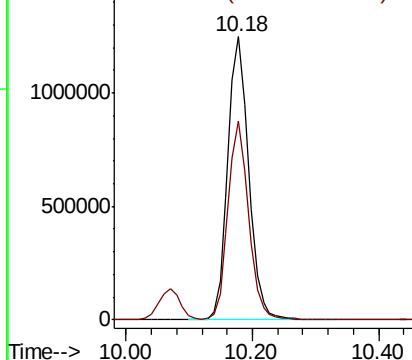


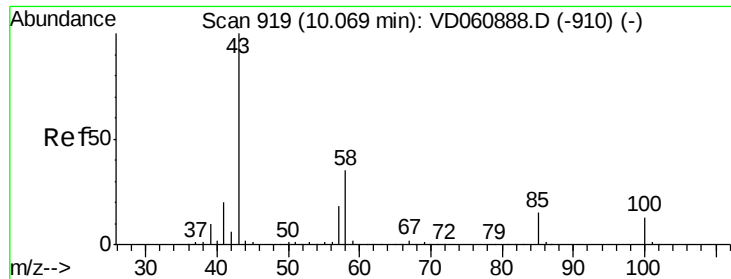
#50
Toluene-d8
Concen: 1044.277 ug/l
RT: 10.18 min Scan# 930
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 98 Resp: 2870982
Ion Ratio Lower Upper
98 100
100 70.1 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

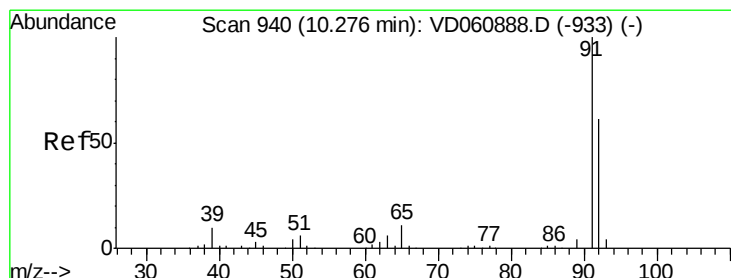
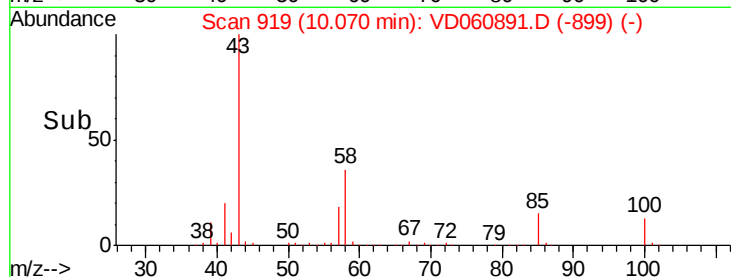
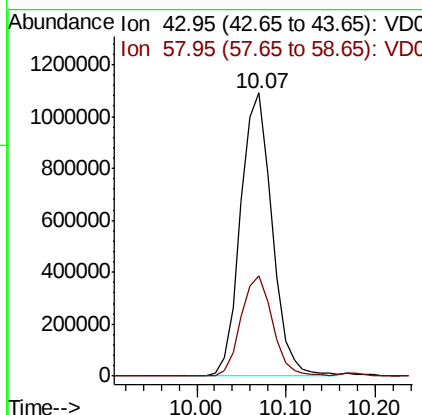
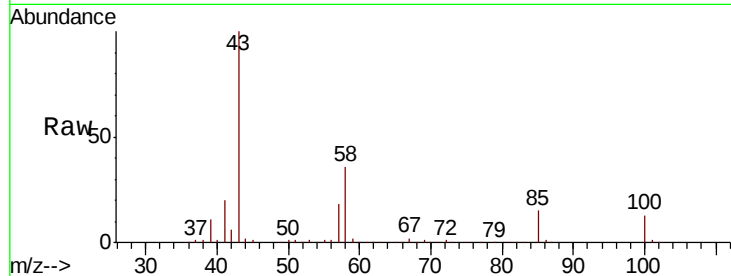




#51
 4-Methyl-2-Pentanone
 Concen: 240.712 ug/l
 RT: 10.07 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

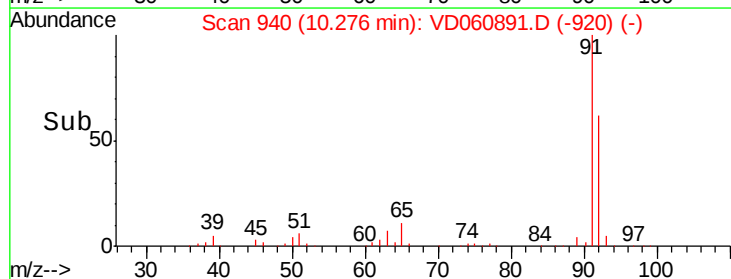
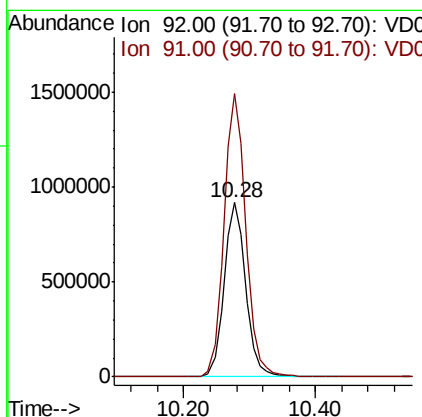
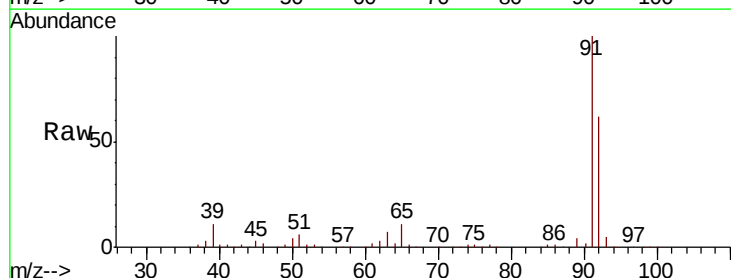
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022119

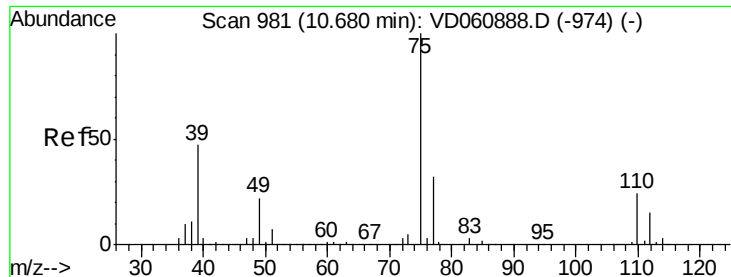
Tgt Ion: 43 Resp: 2679431
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.3 42.5



#52
 Toluene
 Concen: 47.386 ug/l
 RT: 10.28 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

Tgt Ion: 92 Resp: 2106043
 Ion Ratio Lower Upper
 92 100
 91 162.5 130.9 196.3





#53

t-1,3-Dichloropropene

Concen: 48.459 ug/l

RT: 10.68 min Scan# 981

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

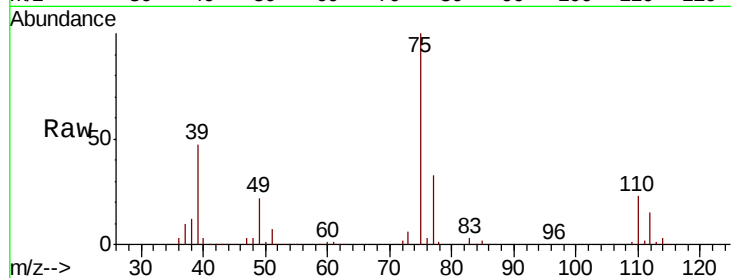
ICVVD022119

Tgt Ion: 75 Resp: 1265046

Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.68

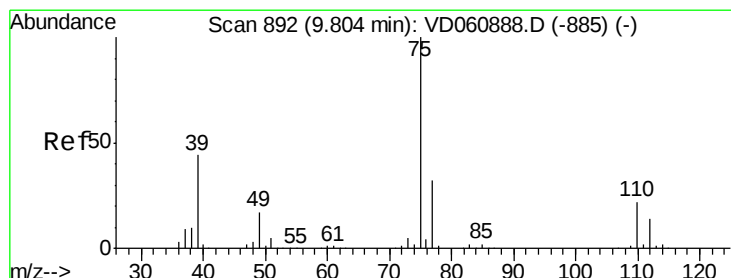
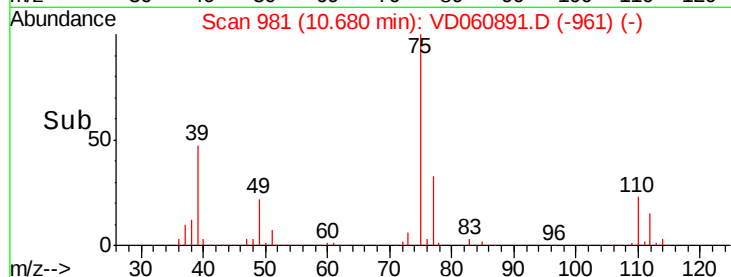
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.307 ug/l

RT: 9.80 min Scan# 892

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

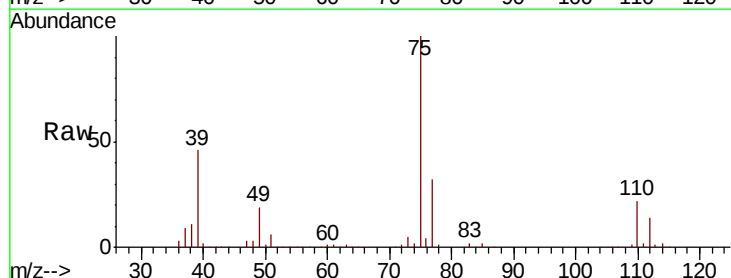
Tgt Ion: 75 Resp: 1517647

Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9

39 46.0 35.4 53.2



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

9.80

800000

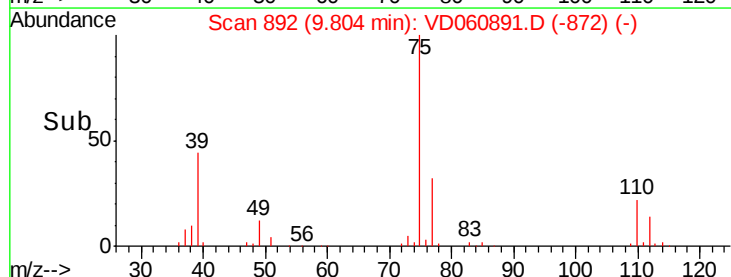
600000

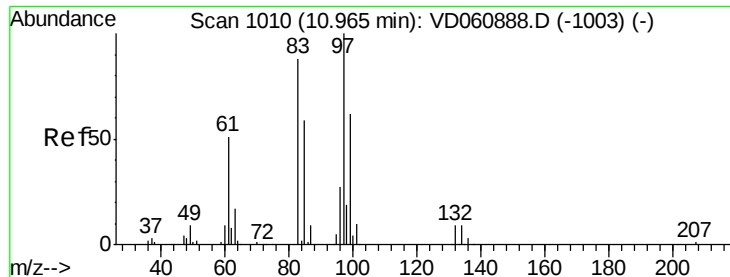
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.693 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

Tgt Ion: 97 Resp: 711364

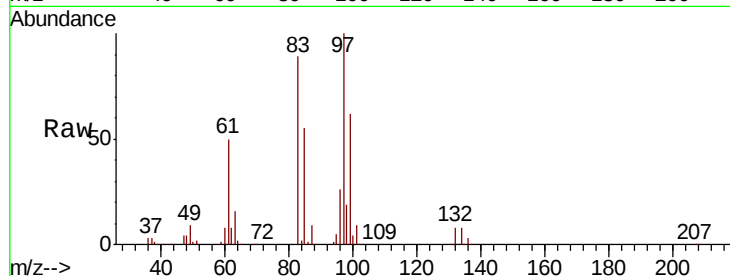
Ion Ratio Lower Upper

97 100

83 89.1 70.8 106.2

85 55.4 47.6 71.4

99 62.2 49.6 74.4

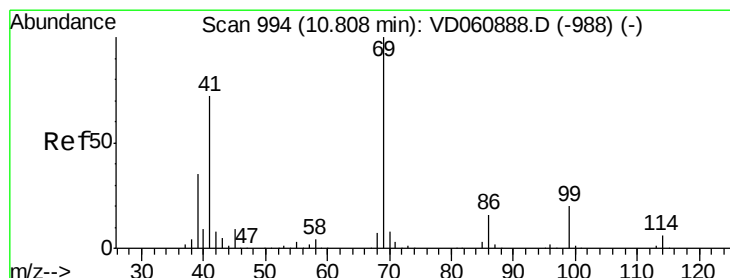
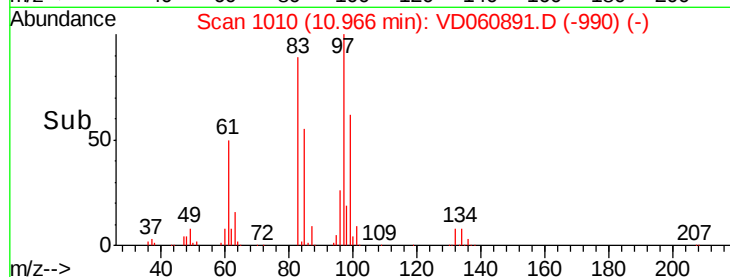
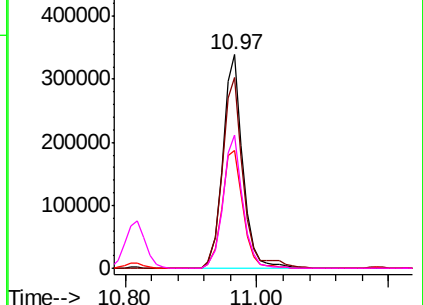


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 53.045 ug/l

RT: 10.82 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

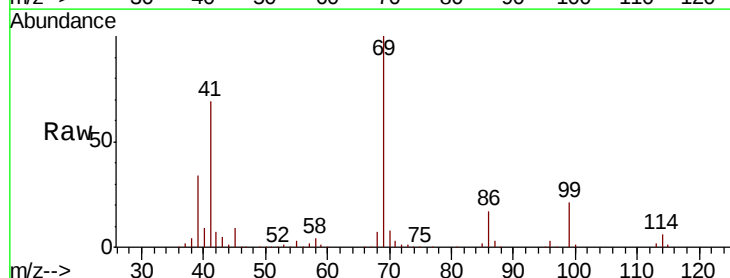
Tgt Ion: 69 Resp: 798783

Ion Ratio Lower Upper

69 100

41 69.4 57.8 86.8

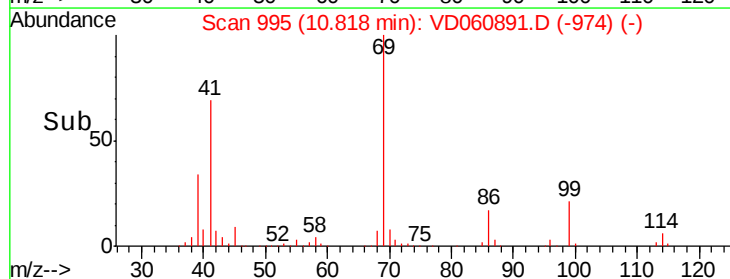
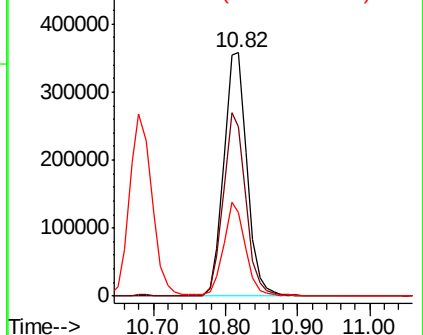
39 34.1 28.6 43.0

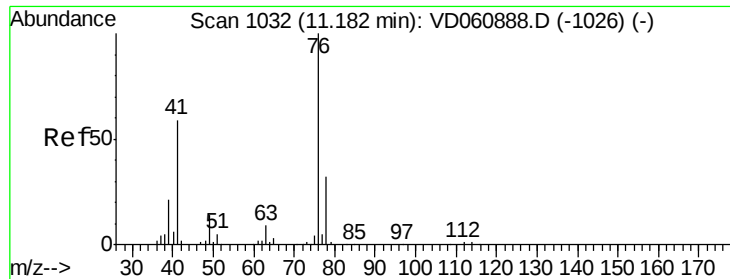


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.713 ug/l

RT: 11.18 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

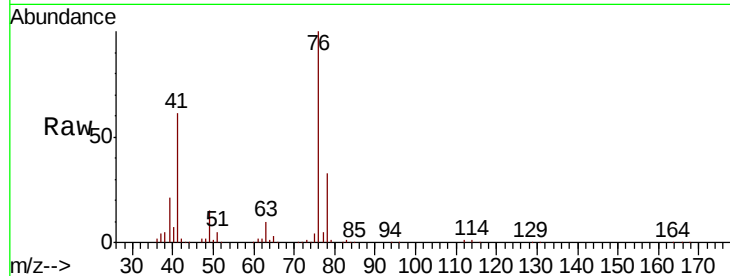
ICVVD022119

Tgt Ion: 76 Resp: 1142362

Ion Ratio Lower Upper

76 100

78 32.7 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.18

600000

500000

400000

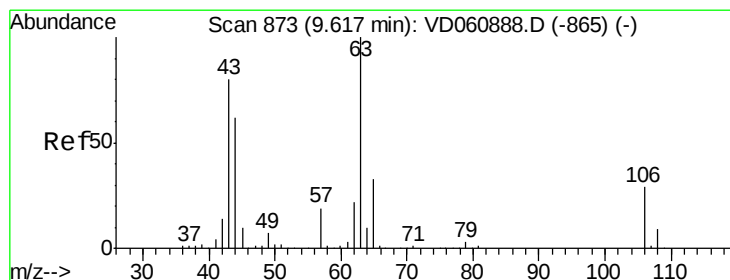
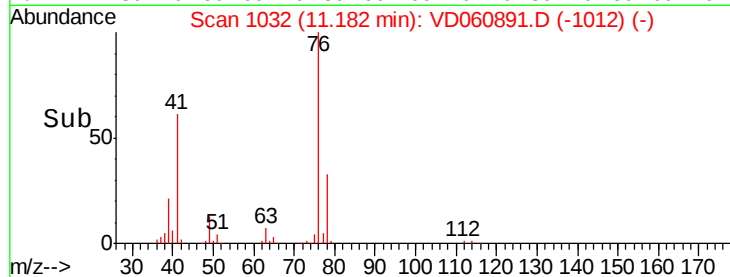
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.363 ug/l

RT: 9.62 min Scan# 873

Delta R.T. 0.00 min

Lab File: VD060891.D

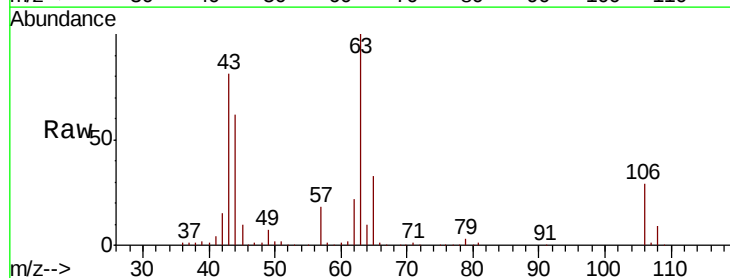
Acq: 21 Feb 2019 20:18

Tgt Ion: 63 Resp: 1896194

Ion Ratio Lower Upper

63 100

106 28.9 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.62

800000

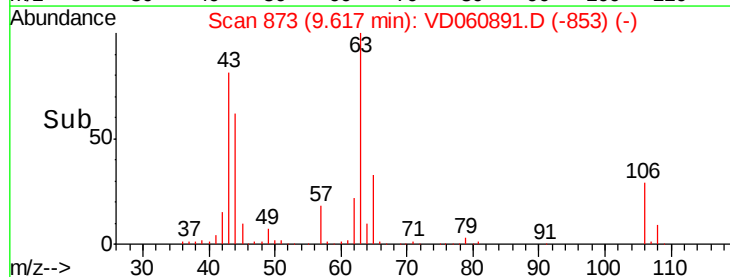
600000

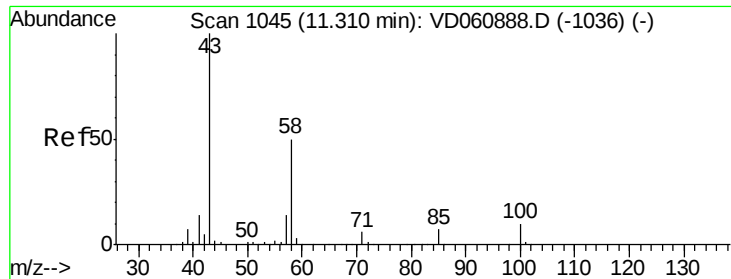
400000

200000

0

Time-->

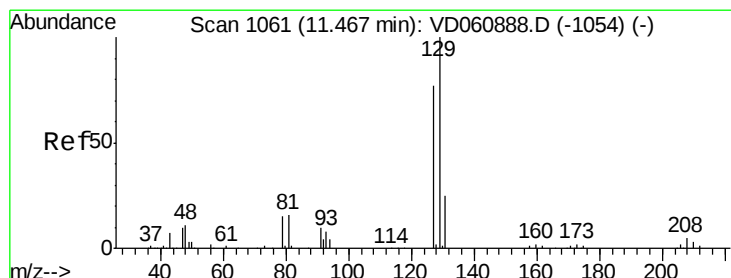
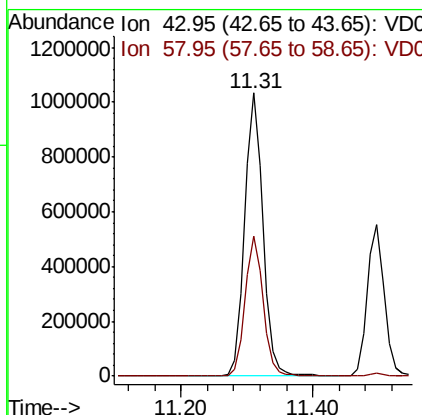
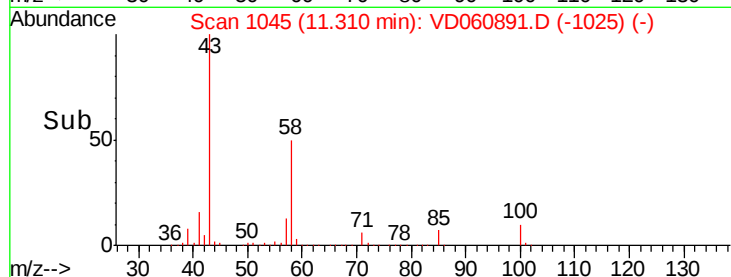
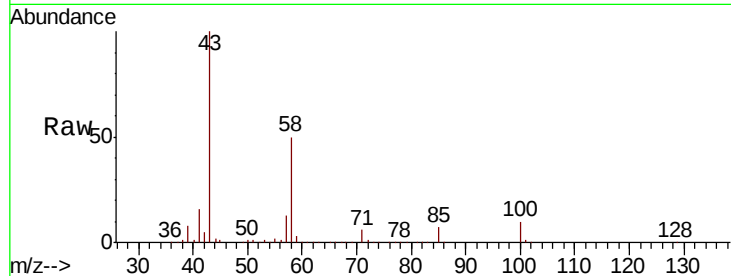




#59
2-Hexanone
Concen: 250.967 ug/l
RT: 11.31 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

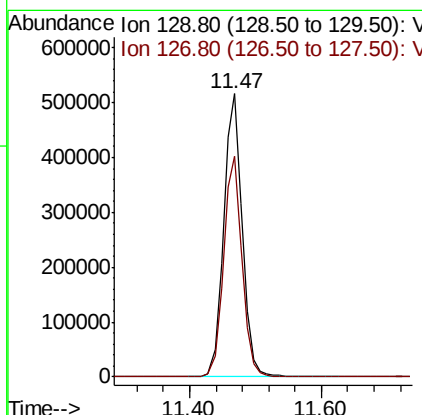
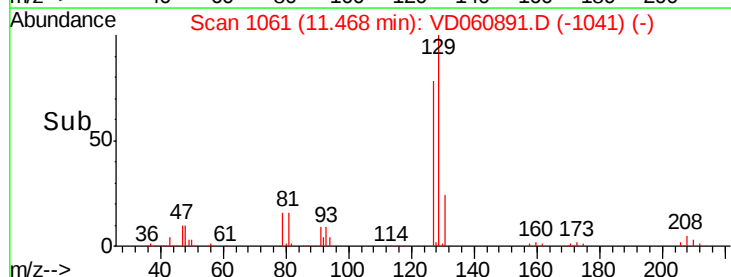
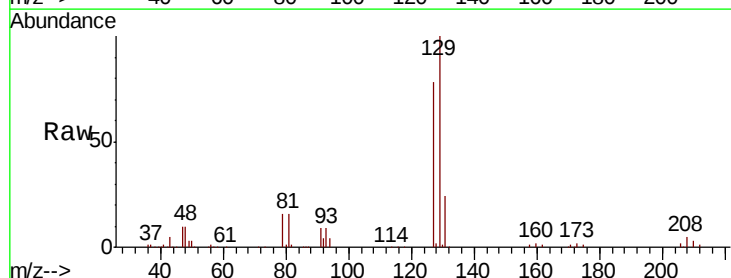
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

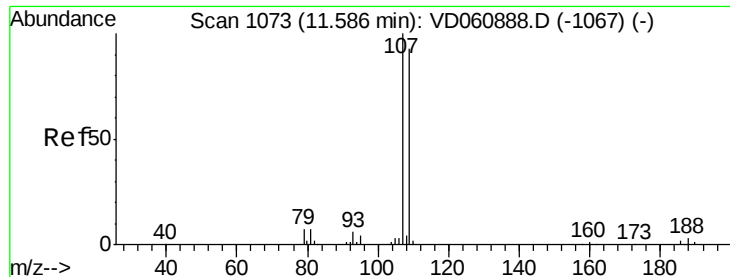
Tgt Ion: 43 Resp: 2015997
Ion Ratio Lower Upper
43 100
58 49.7 25.1 75.3



#60
Dibromochloromethane
Concen: 50.315 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 129 Resp: 1013280
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2





#61

1,2-Dibromoethane

Concen: 53.731 ug/l

RT: 11.59 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

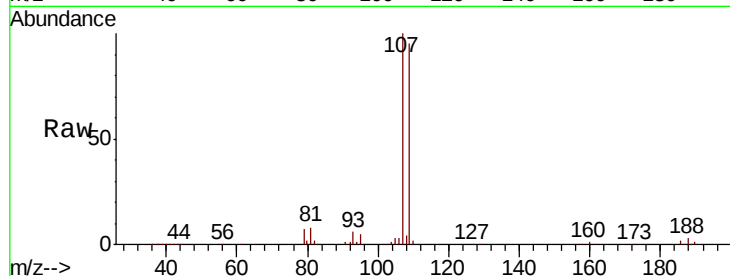
ICVVD022119

Tgt Ion: 107 Resp: 825954

Ion Ratio Lower Upper

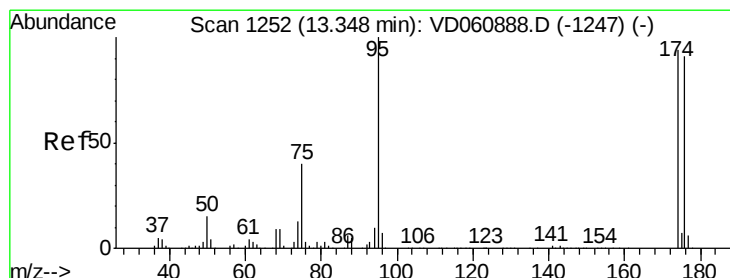
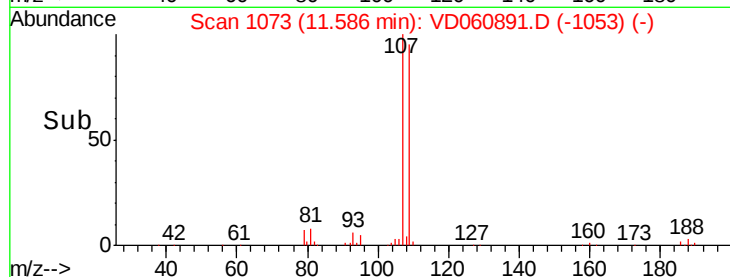
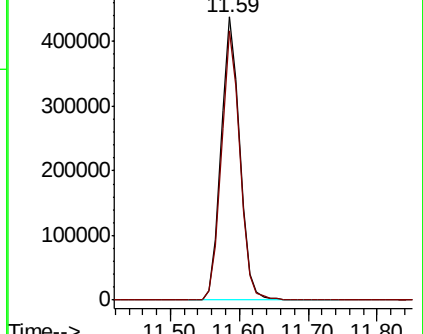
107 100

109 95.3 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.731 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

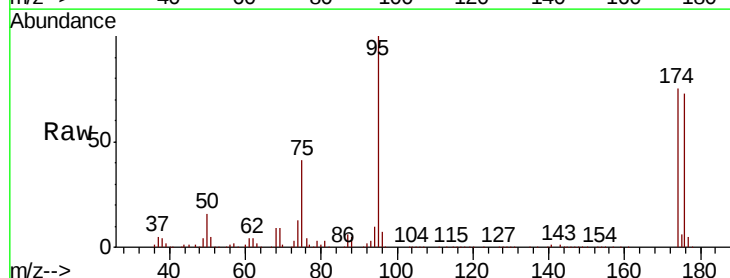
Tgt Ion: 95 Resp: 1133470

Ion Ratio Lower Upper

95 100

174 75.1 0.0 188.0

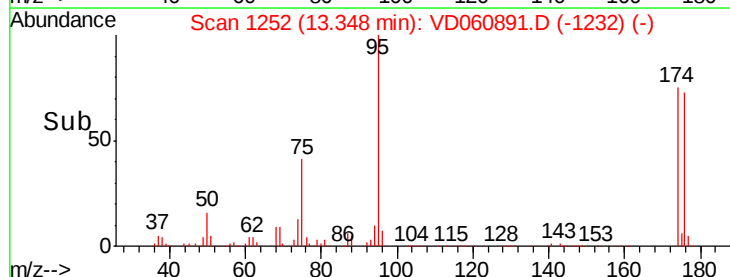
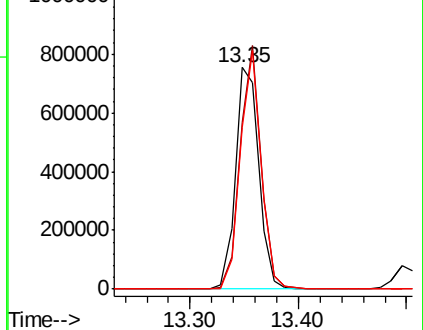
176 72.7 0.0 181.2

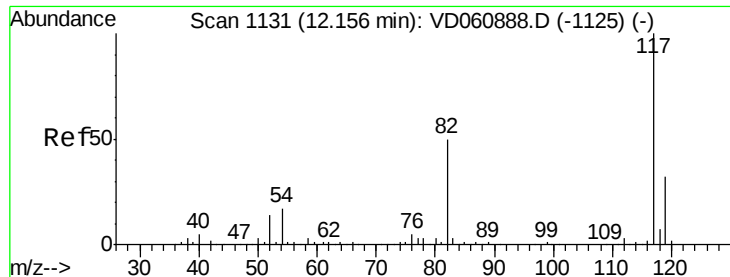


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

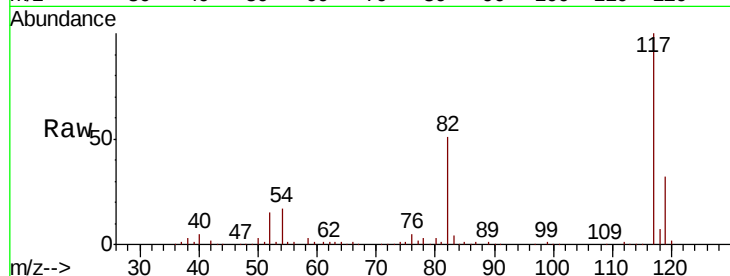




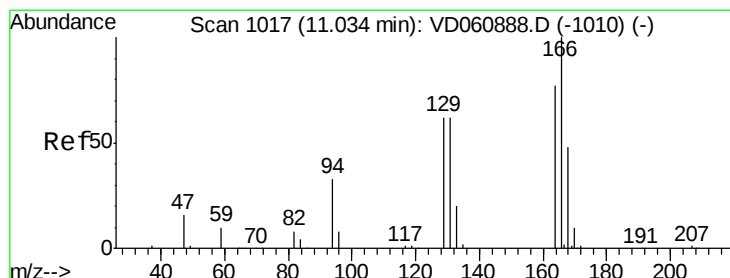
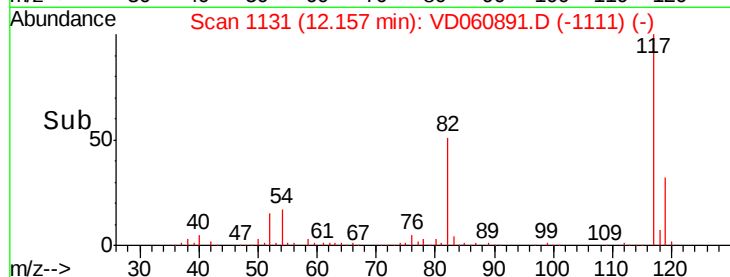
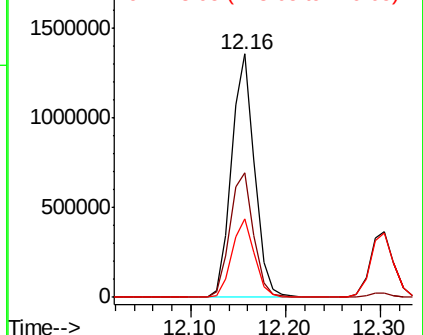
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

Tgt Ion:117 Resp: 2276012
Ion Ratio Lower Upper
117 100
82 51.3 40.3 60.5
119 32.2 25.8 38.6

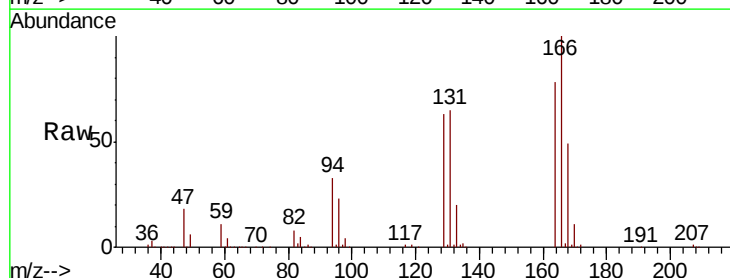


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

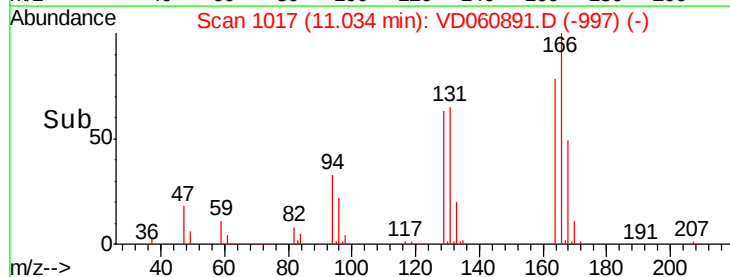
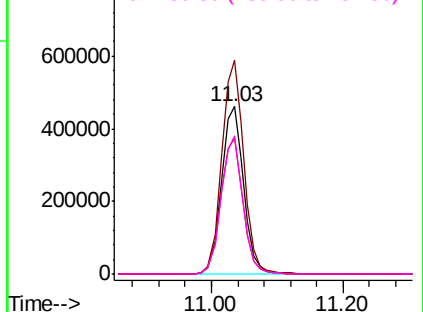


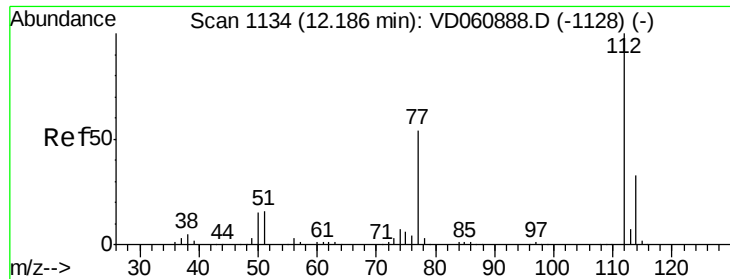
#64
Tetrachloroethene
Concen: 52.902 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion:164 Resp: 1073447
Ion Ratio Lower Upper
164 100
166 127.6 103.9 155.9
129 80.9 64.4 96.6
131 82.4 64.2 96.4



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

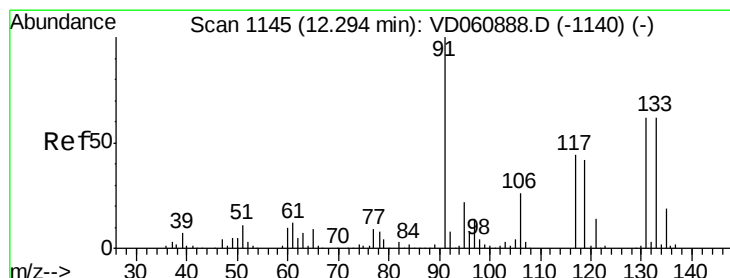
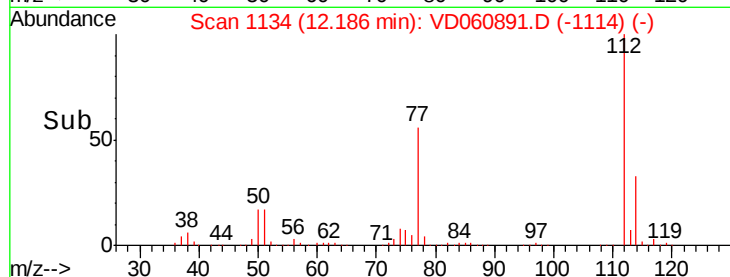
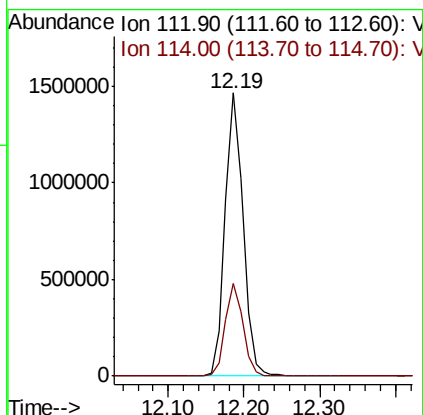
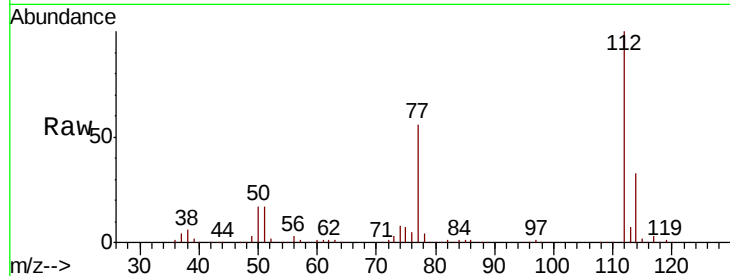




#65
Chlorobenzene
Concen: 53.194 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

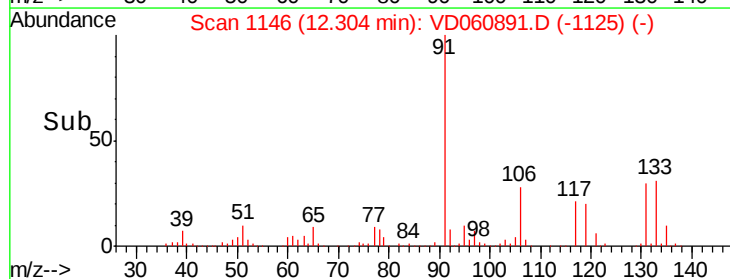
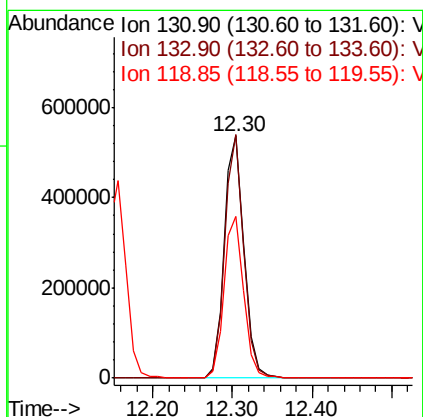
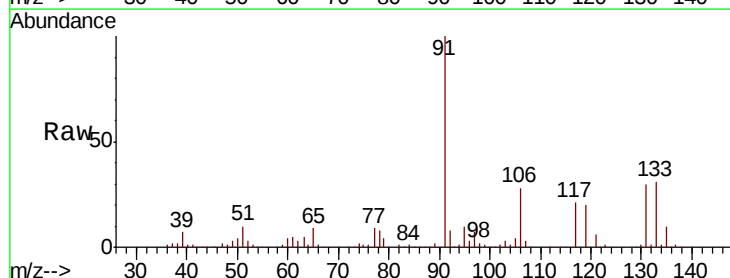
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

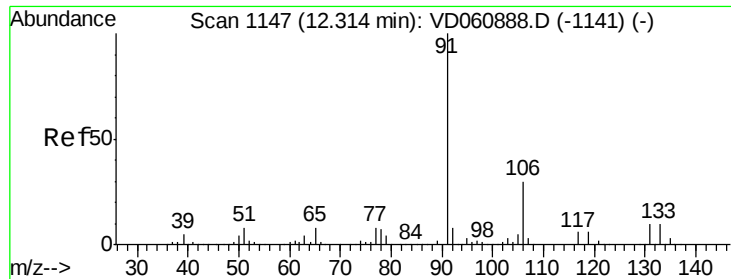
Tgt Ion:112 Resp: 2419892
Ion Ratio Lower Upper
112 100
114 33.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 51.167 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion:131 Resp: 939904
Ion Ratio Lower Upper
131 100
133 100.7 49.3 147.9
119 66.9 33.5 100.5

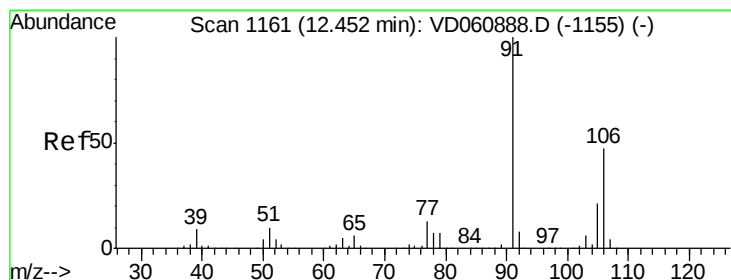
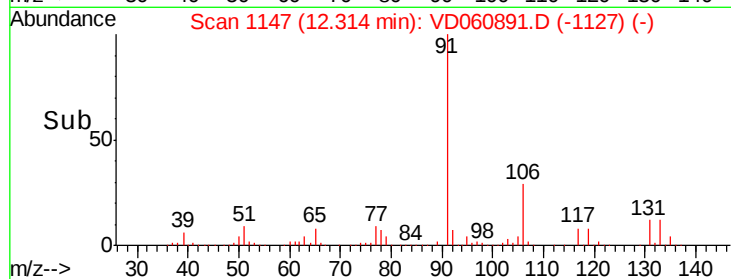
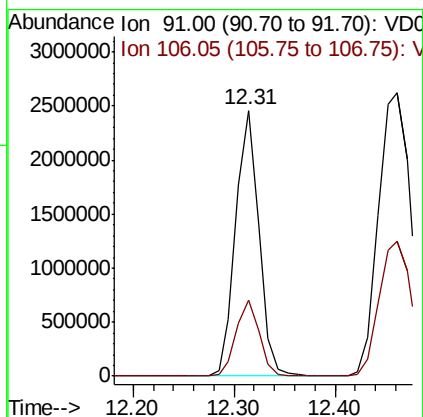
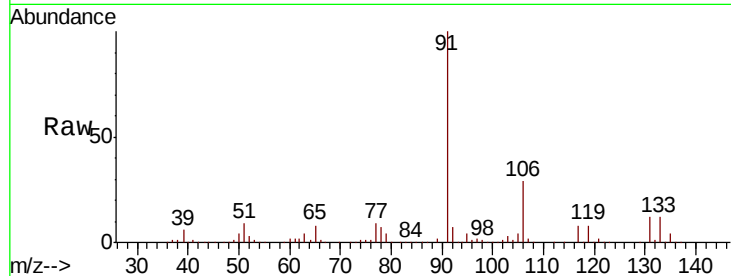




#67
Ethyl Benzene
Concen: 48.848 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

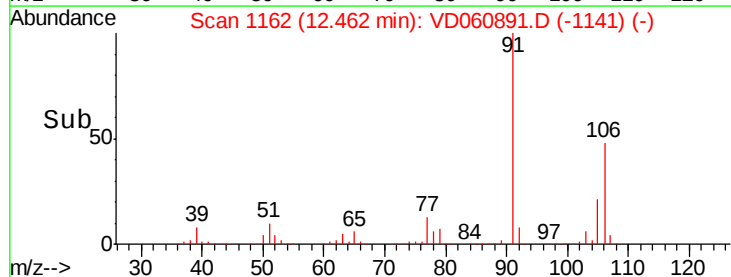
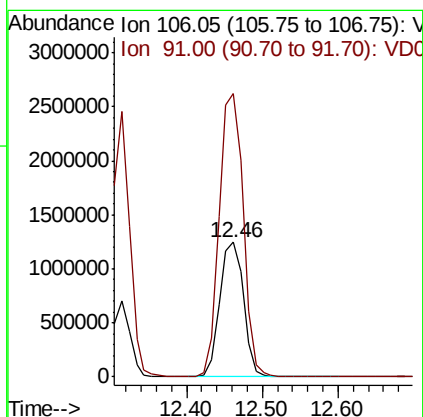
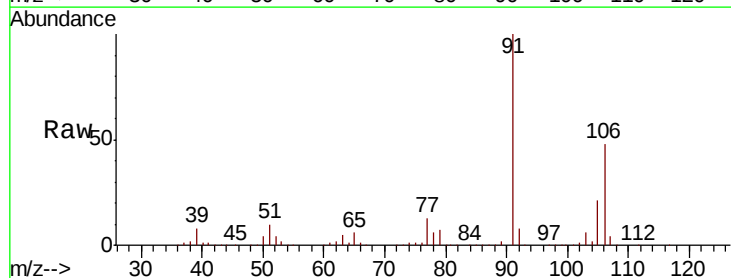
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

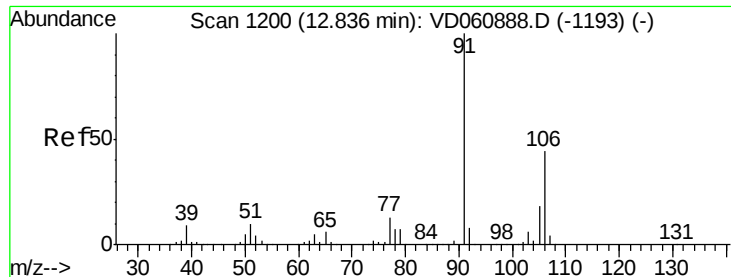
Tgt Ion: 91 Resp: 3931524
Ion Ratio Lower Upper
91 100
106 28.7 23.7 35.5



#68
m/p-Xylenes
Concen: 98.947 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 106 Resp: 2734075
Ion Ratio Lower Upper
106 100
91 209.9 169.6 254.4

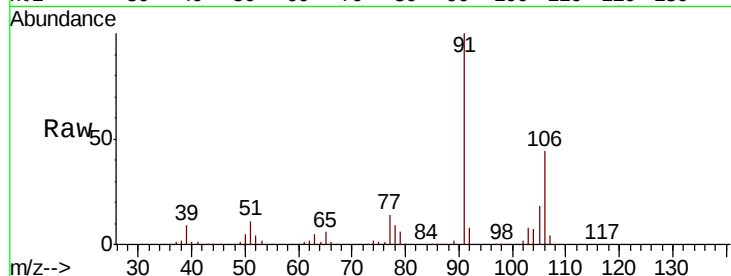




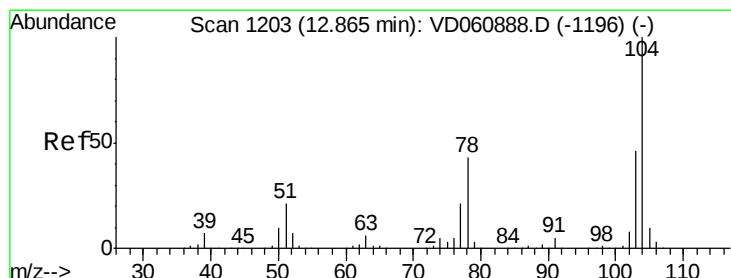
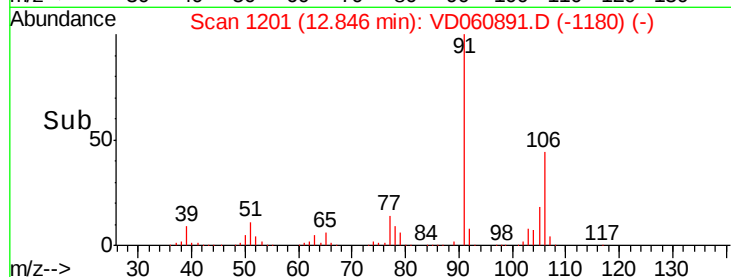
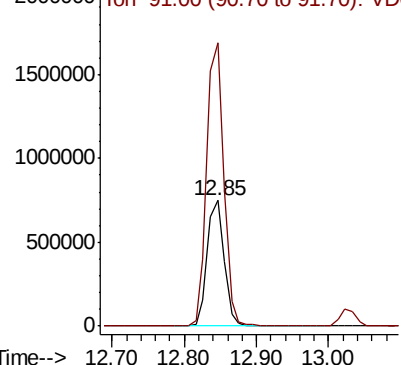
#69
o-Xylene
Concen: 45.440 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

Tgt Ion:106 Resp: 1214300
Ion Ratio Lower Upper
106 100
91 225.0 113.7 341.1

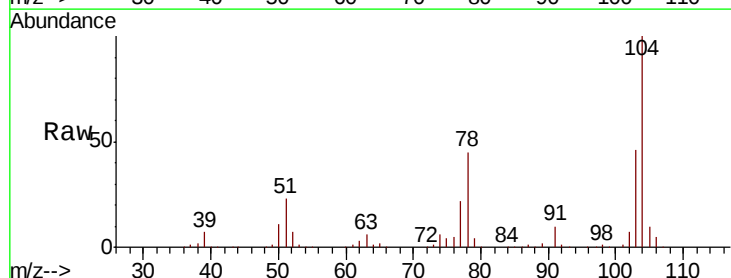


Abundance Ion 106.05 (105.75 to 106.75): V
2000000 Ion 91.00 (90.70 to 91.70): V

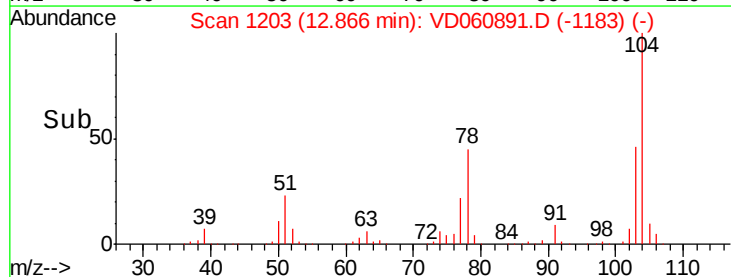
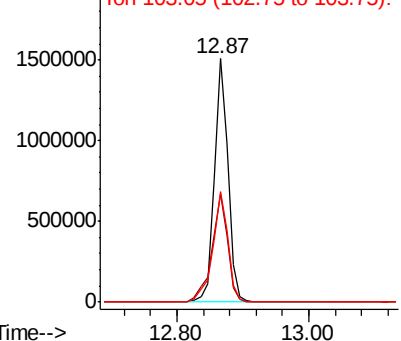


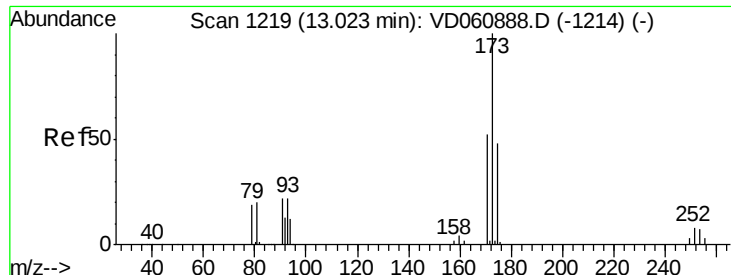
#70
Styrene
Concen: 48.415 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion:104 Resp: 2193700
Ion Ratio Lower Upper
104 100
78 44.5 34.7 52.1
103 45.5 36.6 55.0



Abundance Ion 104.05 (103.75 to 104.75): V
2000000 Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 56.044 ug/l

RT: 13.03 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

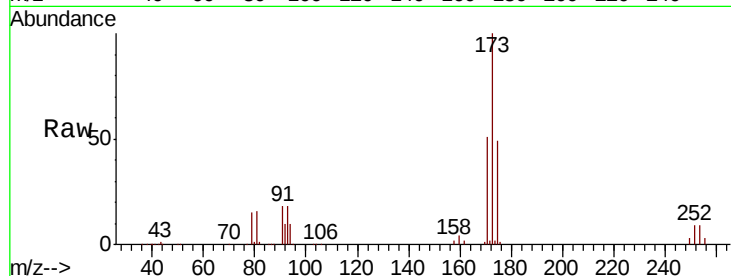
Tgt Ion:173 Resp: 734749

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

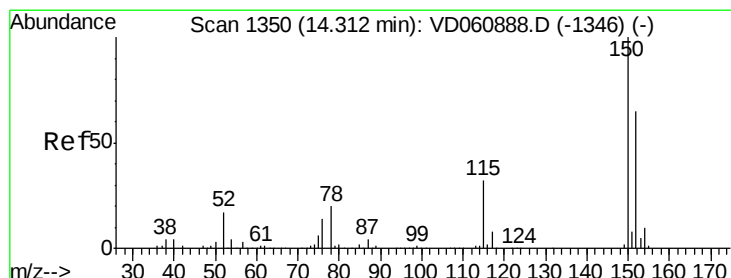
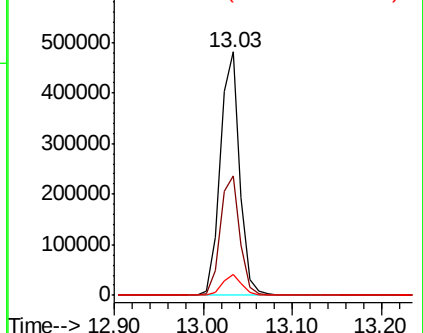
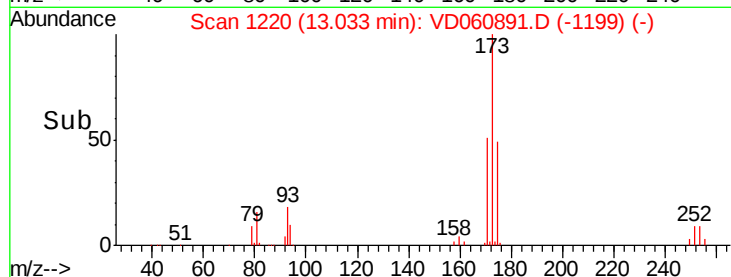
254 8.7 5.7 8.5#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

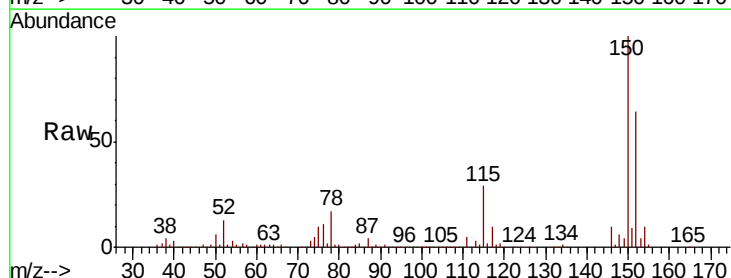
Tgt Ion:152 Resp: 1209129

Ion Ratio Lower Upper

152 100

115 45.6 26.3 78.9

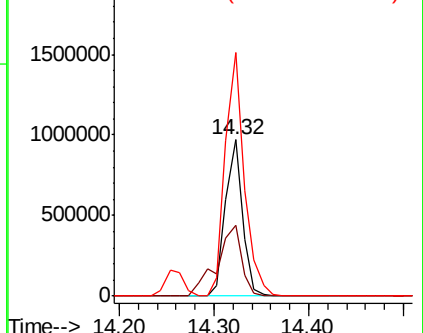
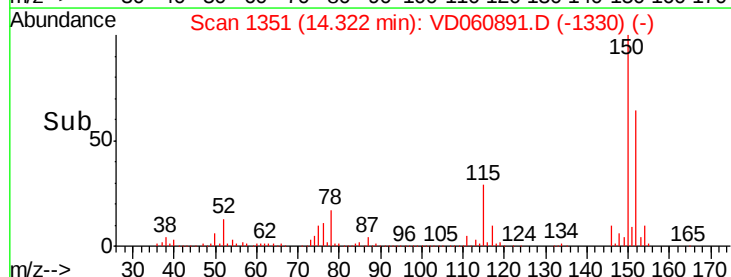
150 155.9 0.0 312.0

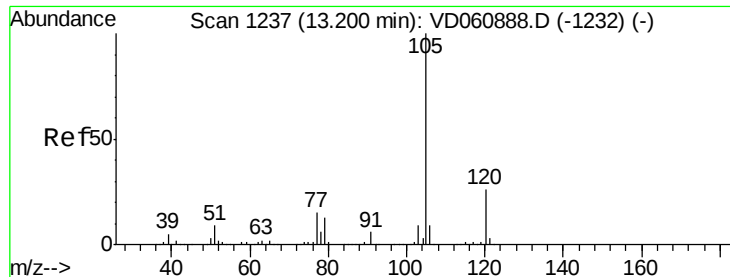


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.724 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

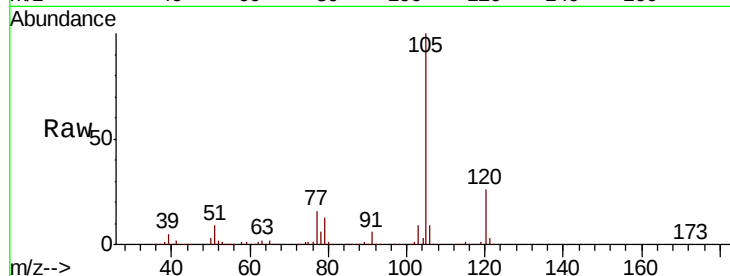
ICVVD022119

Tgt Ion: 105 Resp: 3647286

Ion Ratio Lower Upper

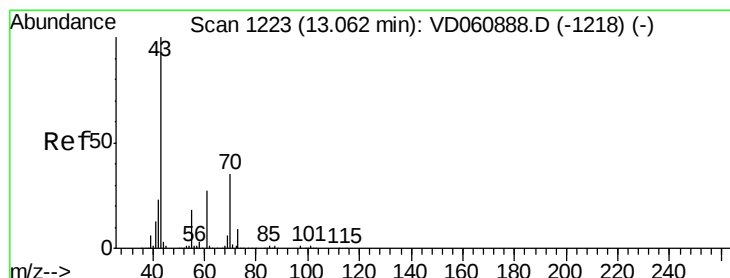
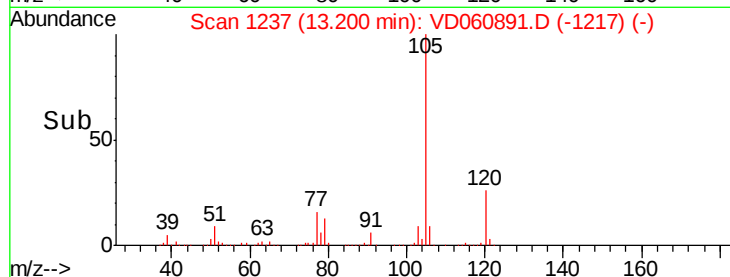
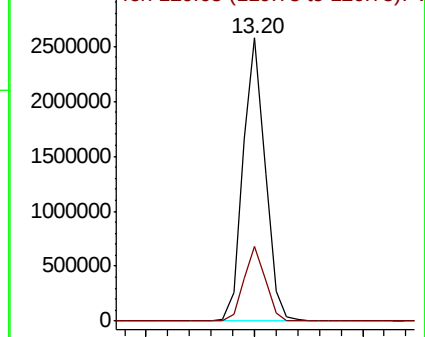
105 100

120 26.4 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.692 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Tgt Ion: 43 Resp: 1153945

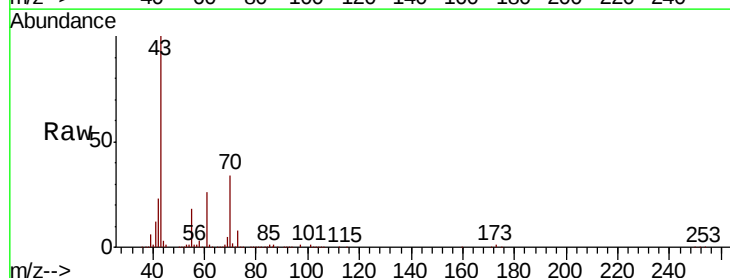
Ion Ratio Lower Upper

43 100

70 34.0 28.4 42.6

55 17.6 14.0 21.0

61 25.7 21.4 32.2

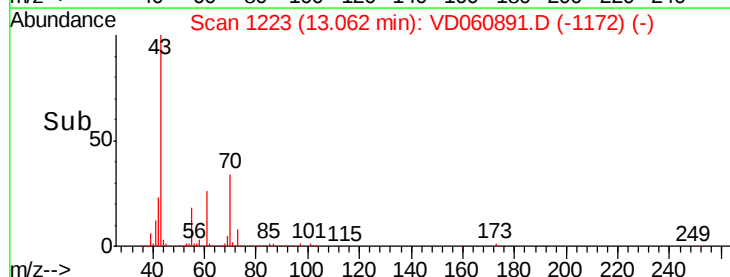
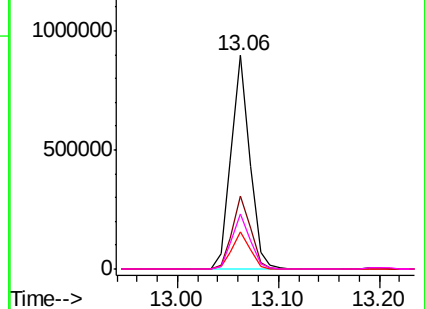


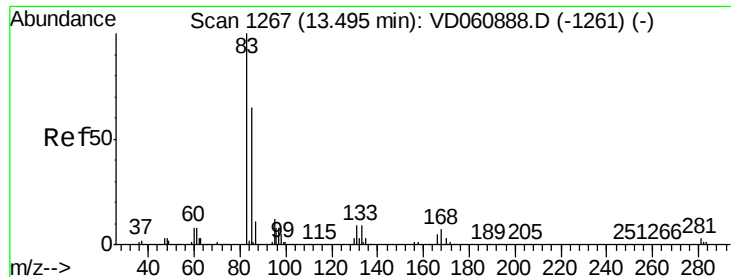
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 54.455 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

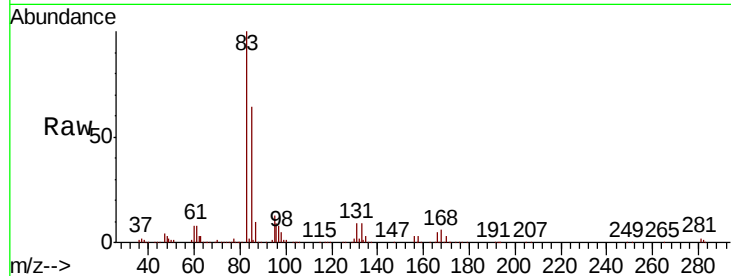
Tgt Ion: 83 Resp: 895806

Ion Ratio Lower Upper

83 100

131 8.7 4.5 13.4

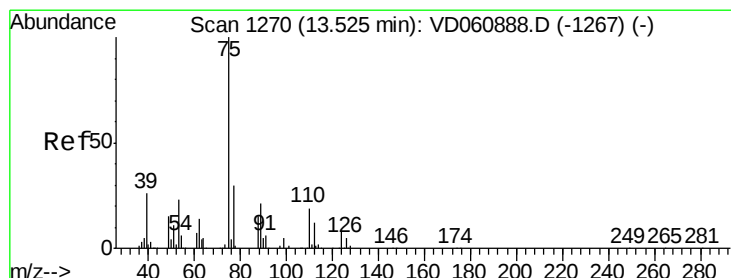
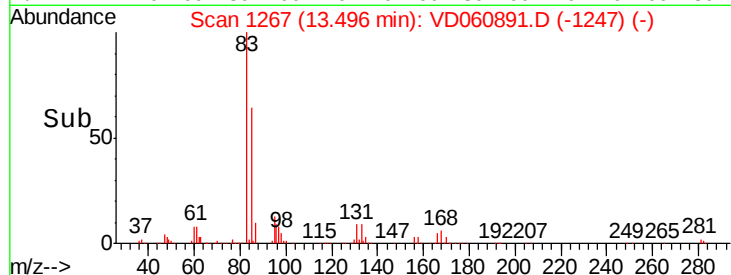
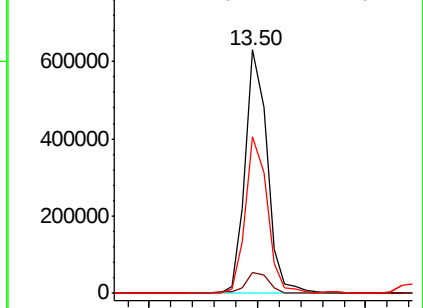
85 64.2 32.7 98.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.336 ug/l

RT: 13.53 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD060891.D

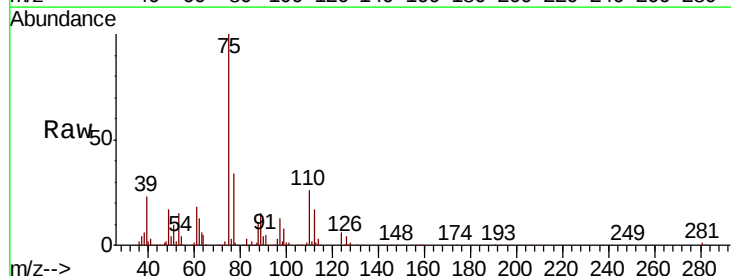
Acq: 21 Feb 2019 20:18

Tgt Ion: 75 Resp: 932963

Ion Ratio Lower Upper

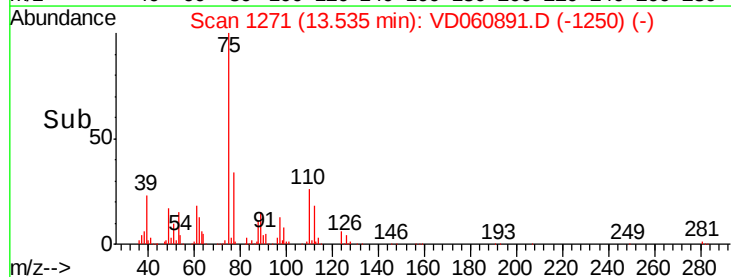
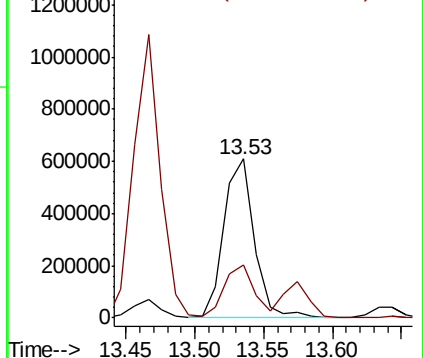
75 100

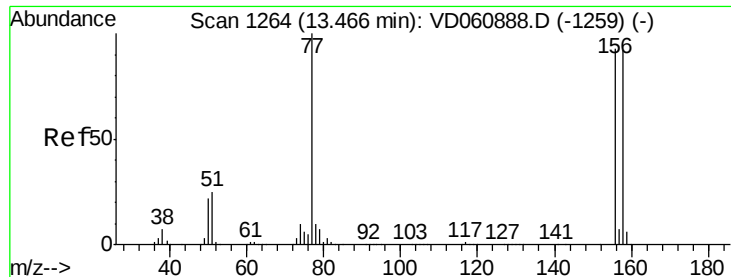
77 33.7 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.215 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

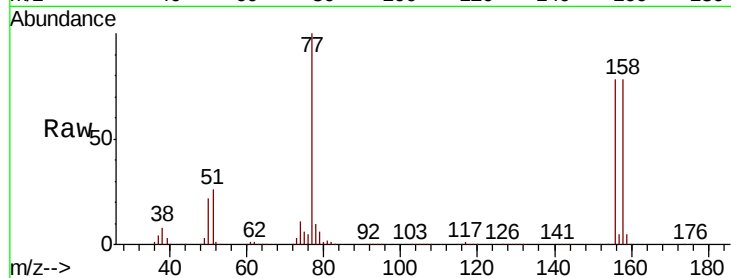
Tgt Ion:156 Resp: 1162643

Ion Ratio Lower Upper

156 100

77 128.0 53.8 161.4

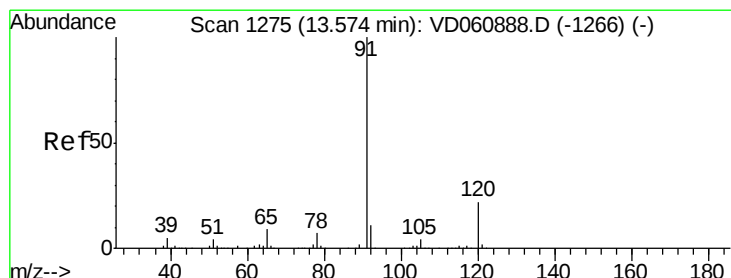
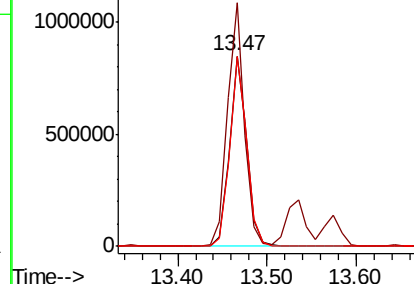
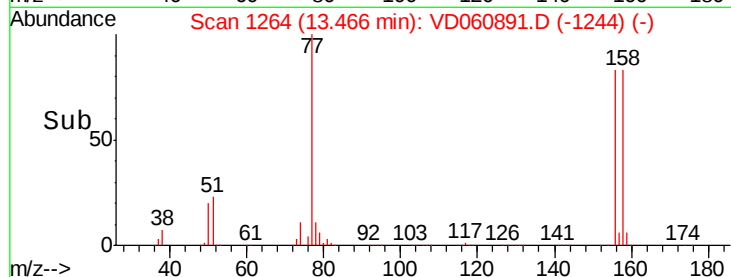
158 99.7 49.3 147.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.822 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060891.D

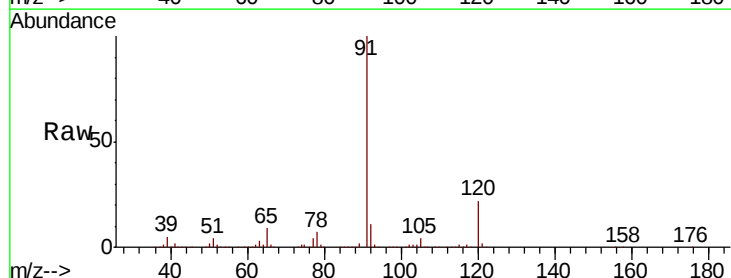
Acq: 21 Feb 2019 20:18

Tgt Ion: 91 Resp: 5012638

Ion Ratio Lower Upper

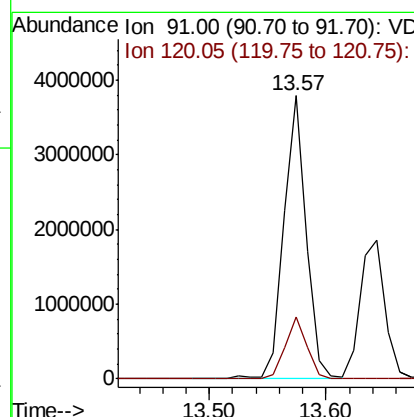
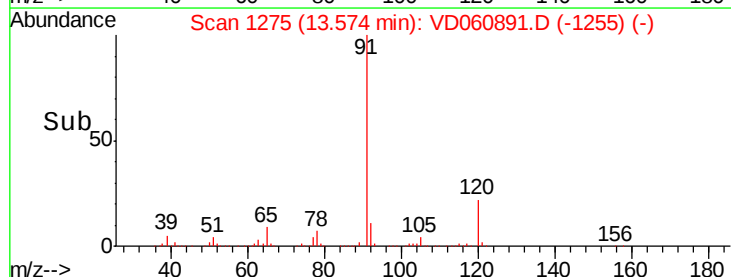
91 100

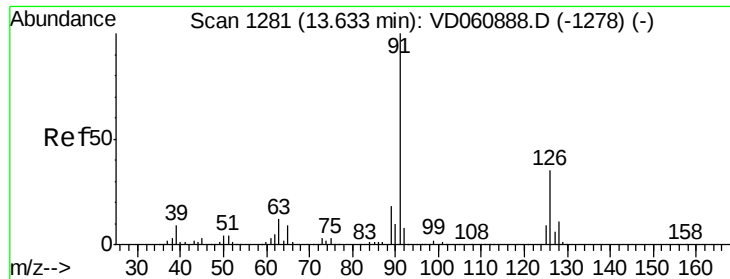
120 22.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

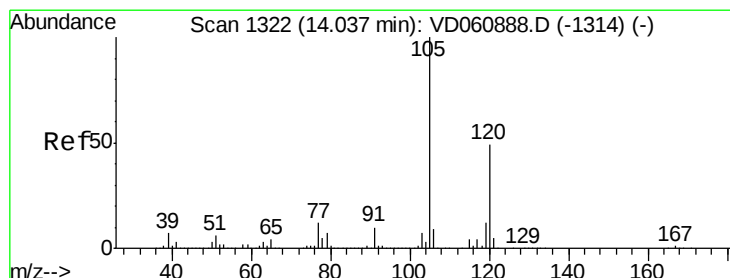
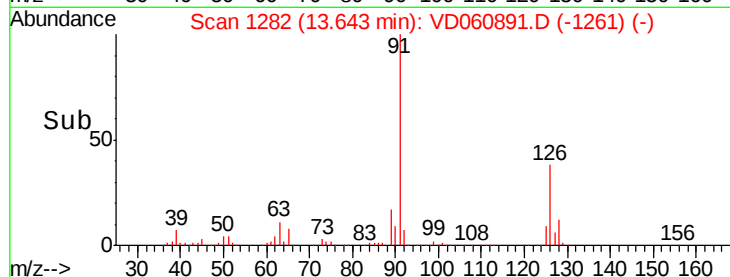
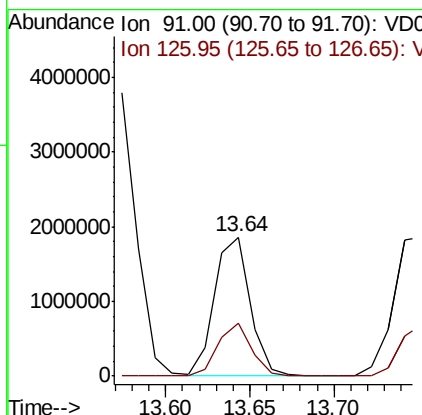
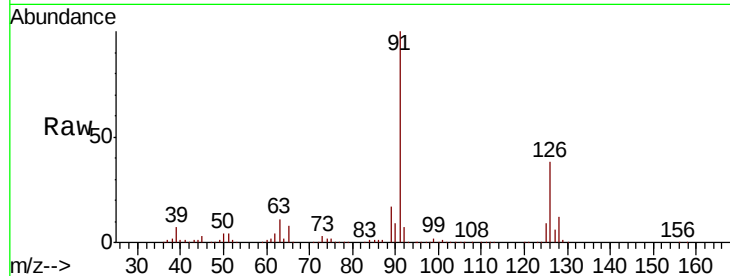




#79
2-Chlorotoluene
Concen: 50.947 ug/l
RT: 13.64 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

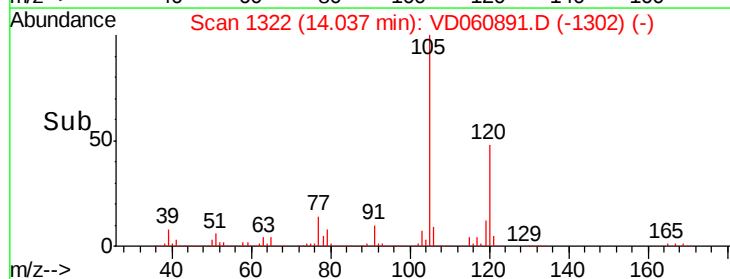
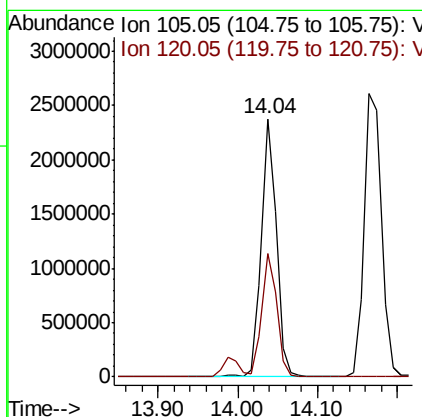
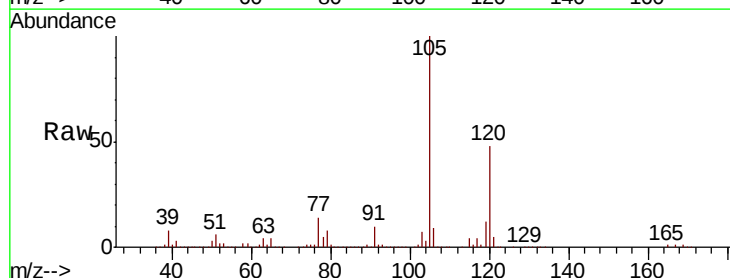
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

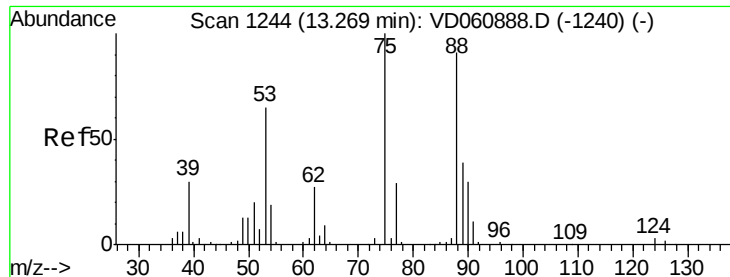
Tgt Ion: 91 Resp: 2726817
Ion Ratio Lower Upper
91 100
126 37.7 17.3 51.7



#80
1,3,5-Trimethylbenzene
Concen: 51.251 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 105 Resp: 3050321
Ion Ratio Lower Upper
105 100
120 47.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.009 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060891.D

Acq: 21 Feb 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

ICVVD022119

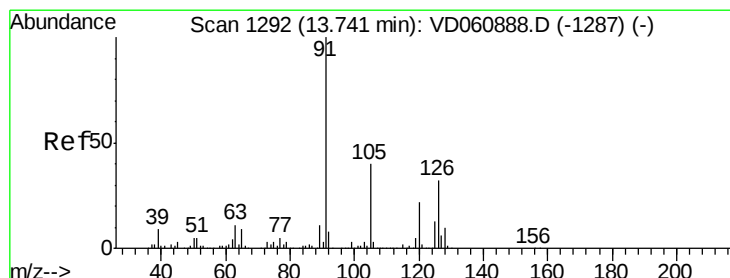
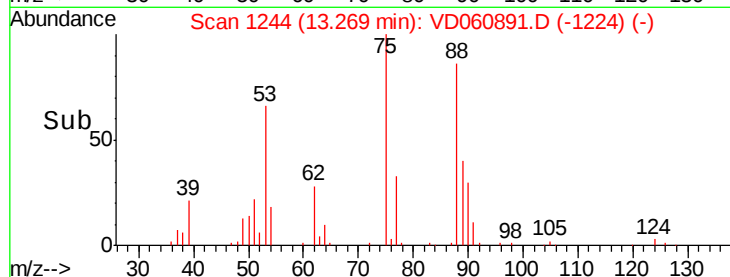
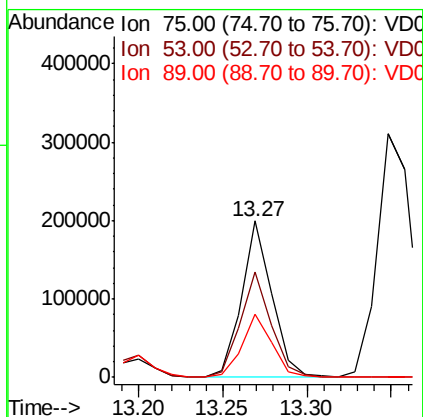
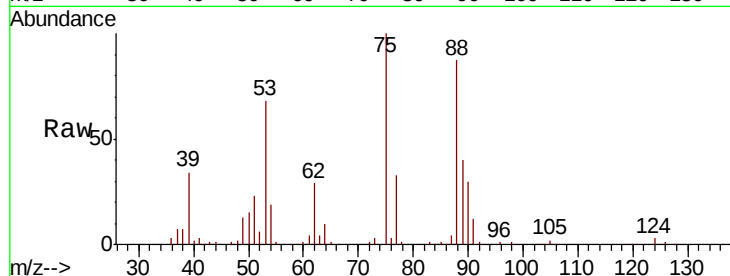
Tgt Ion: 75 Resp: 249064

Ion Ratio Lower Upper

75 100

53 67.6 51.8 77.6

89 40.0 31.0 46.4



#82

4-Chlorotoluene

Concen: 50.905 ug/l

RT: 13.75 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VD060891.D

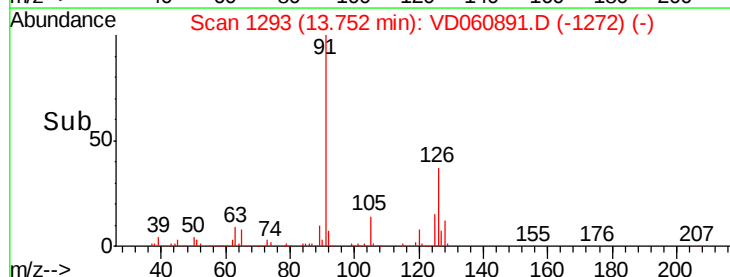
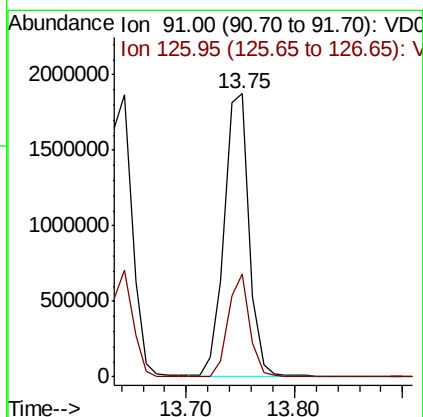
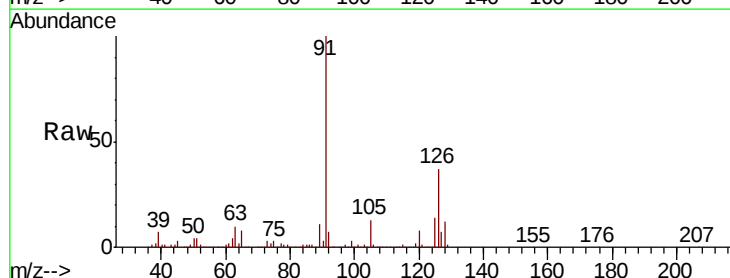
Acq: 21 Feb 2019 20:18

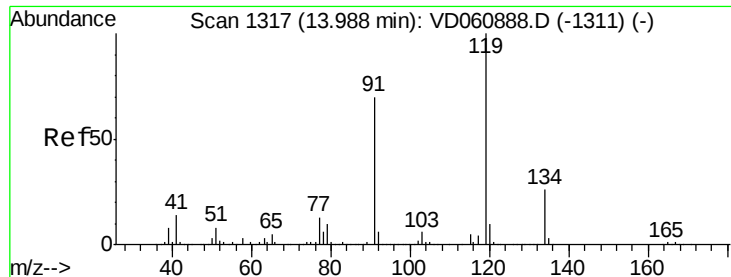
Tgt Ion: 91 Resp: 2996561

Ion Ratio Lower Upper

91 100

126 36.5 16.0 48.0

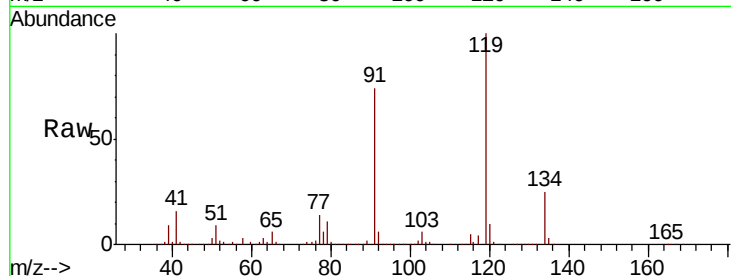




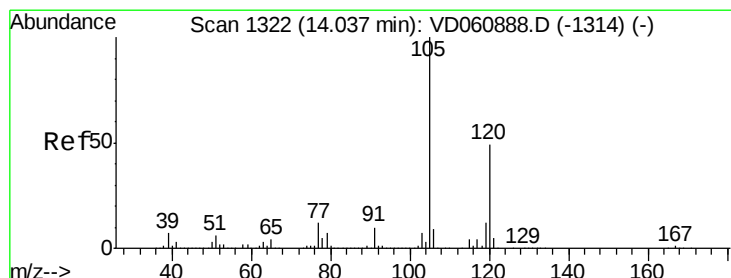
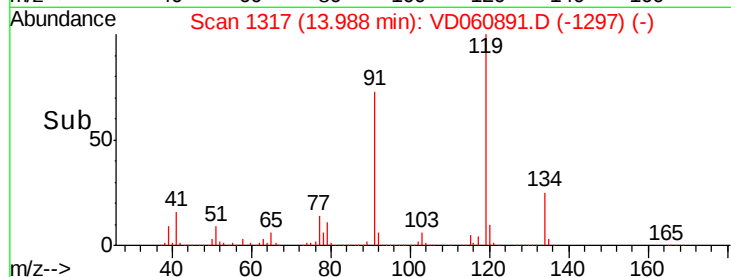
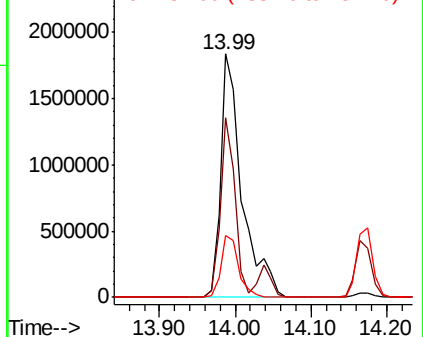
#83
tert-Butylbenzene
Concen: 52.210 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

Tgt Ion:119 Resp: 3607766
Ion Ratio Lower Upper
119 100
91 73.8 34.9 104.8
134 25.3 13.2 39.6

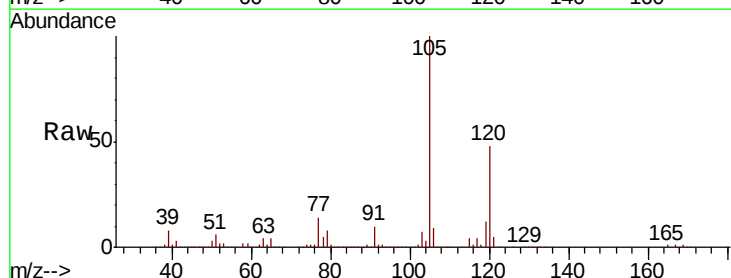


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

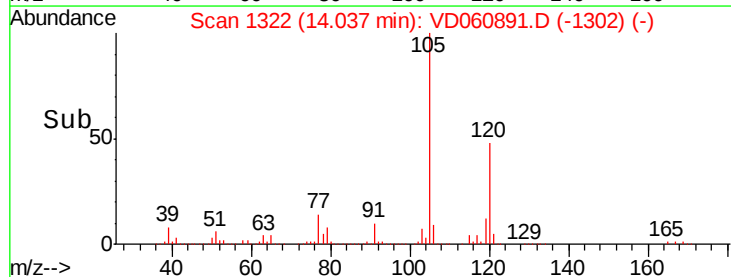
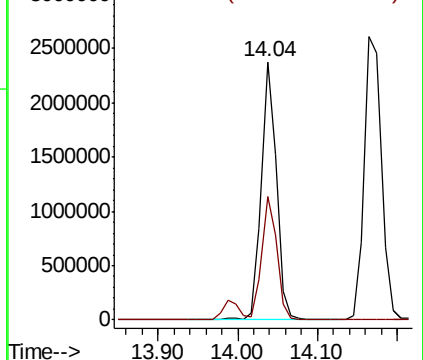


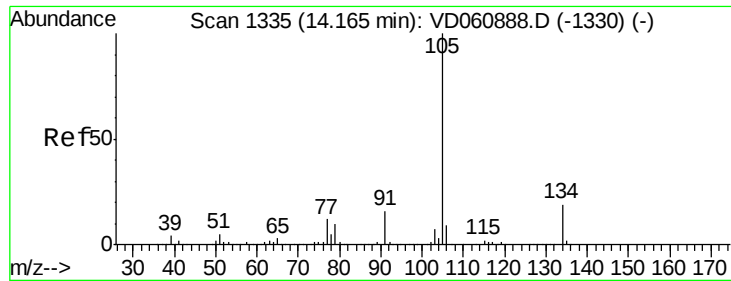
#84
1,2,4-Trimethylbenzene
Concen: 51.251 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion:105 Resp: 3050321
Ion Ratio Lower Upper
105 100
120 47.6 24.3 73.0



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

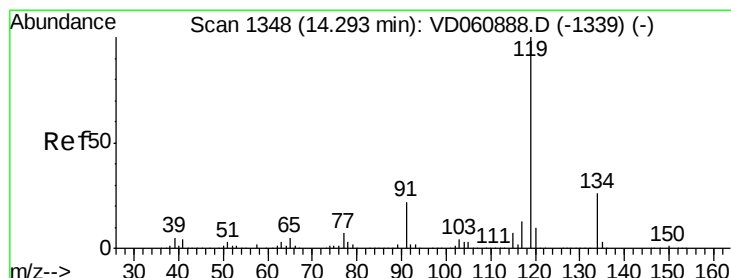
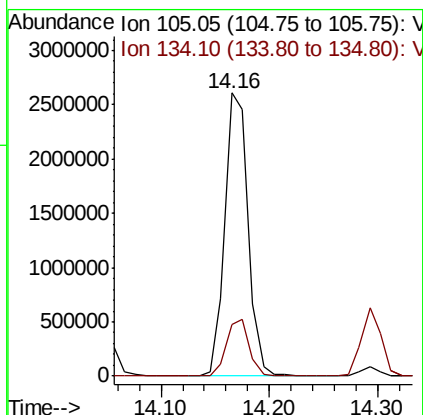
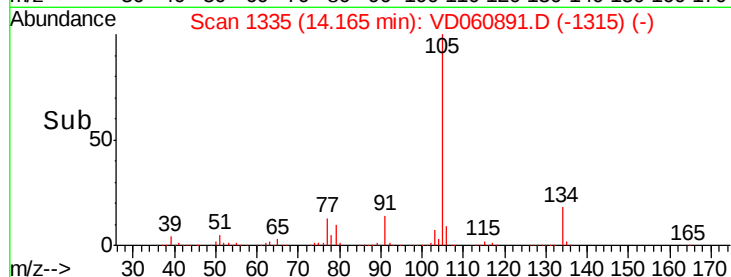
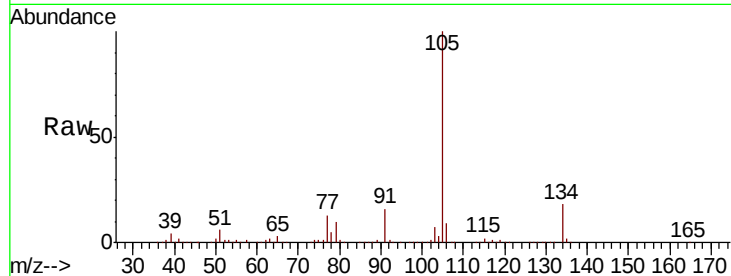




#85
 sec-Butylbenzene
 Concen: 50.821 ug/l
 RT: 14.16 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

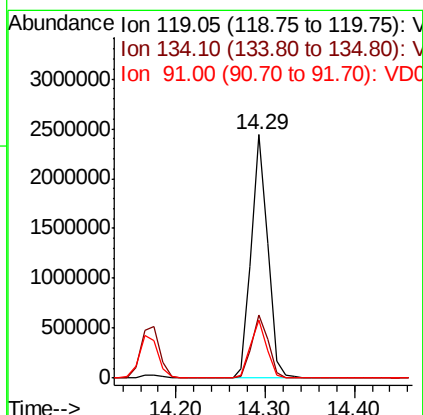
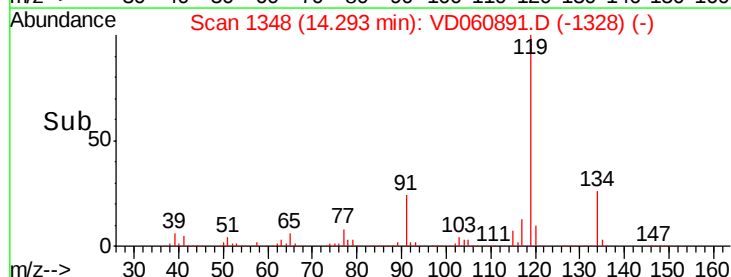
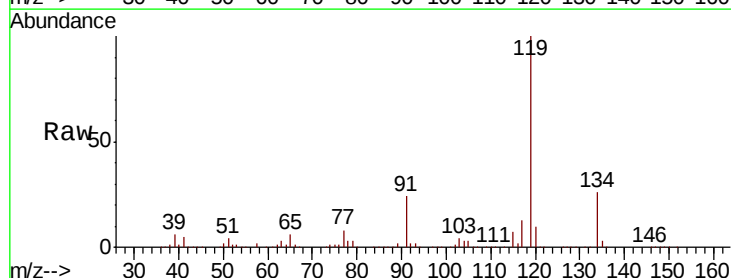
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022119

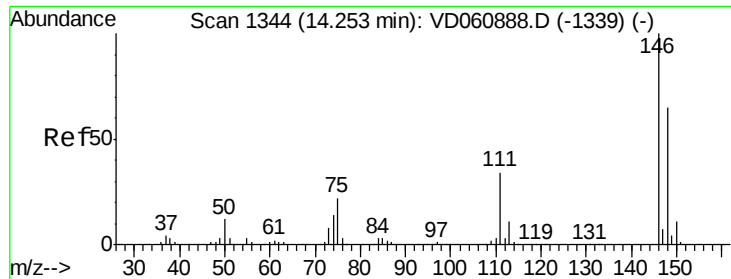
Tgt Ion:105 Resp: 3886074
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 47.803 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

Tgt Ion:119 Resp: 3093345
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 23.8 11.3 33.9

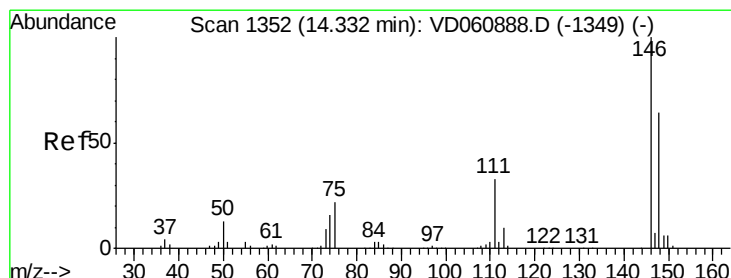
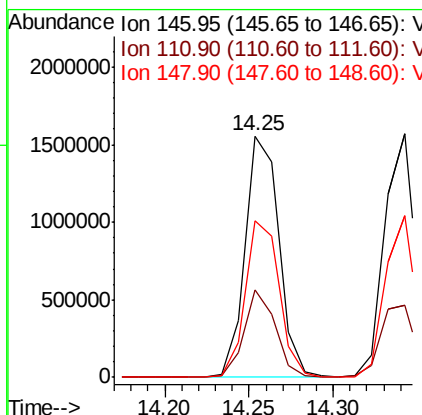
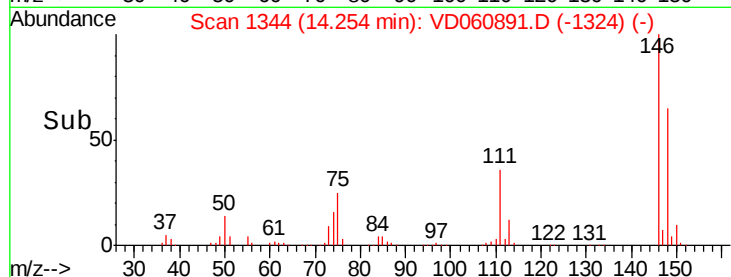
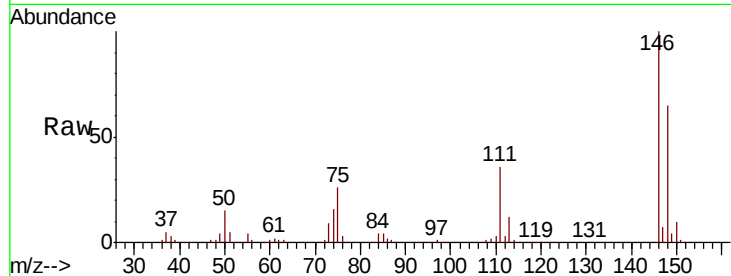




#87
 1,3-Dichlorobenzene
 Concen: 52.290 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

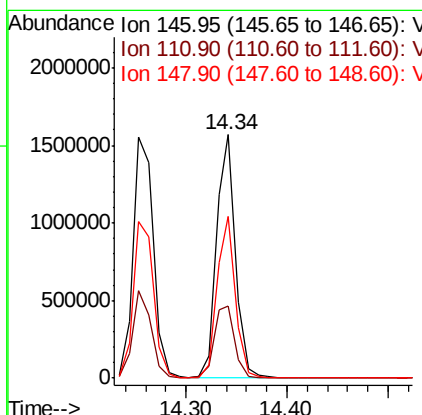
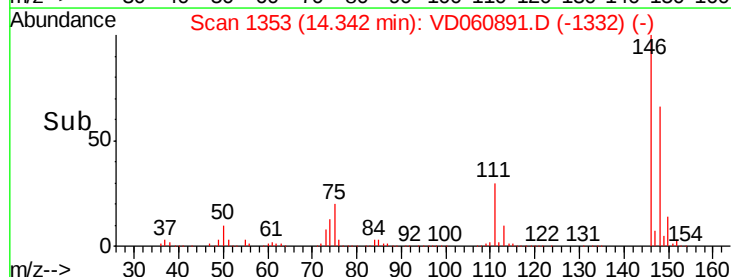
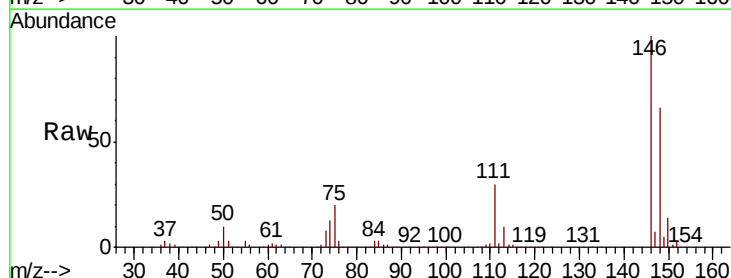
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022119

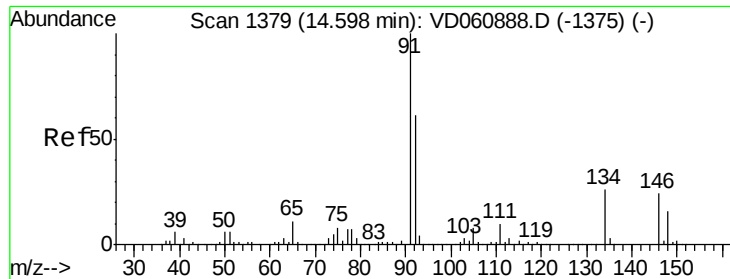
Tgt Ion:146 Resp: 2170582
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.3 51.7
 148 65.0 32.6 98.0



#88
 1,4-Dichlorobenzene
 Concen: 50.721 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

Tgt Ion:146 Resp: 2056488
 Ion Ratio Lower Upper
 146 100
 111 29.7 16.5 49.5
 148 66.3 32.1 96.3

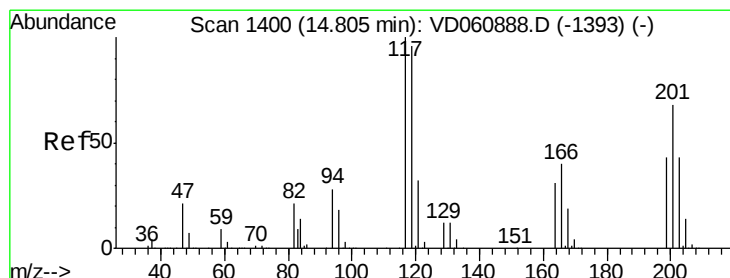
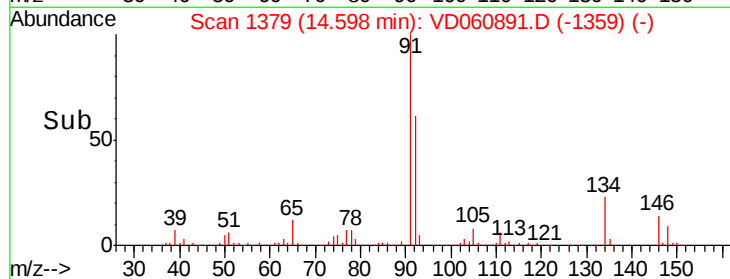
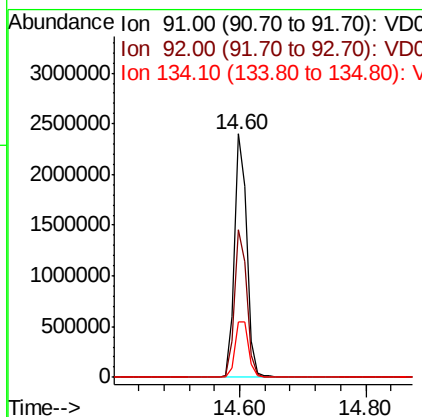
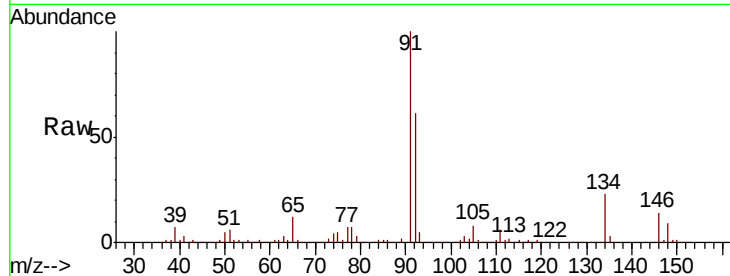




#89
n-Butylbenzene
Concen: 50.545 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

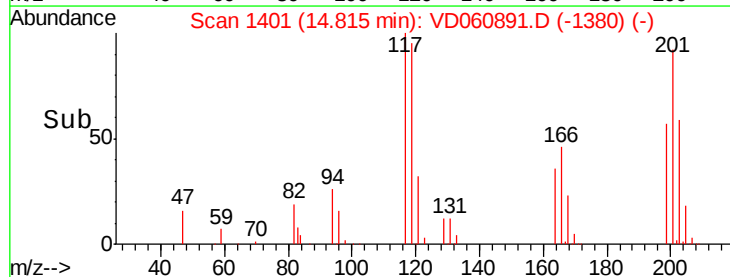
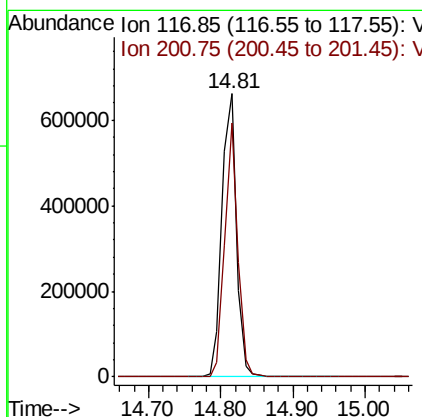
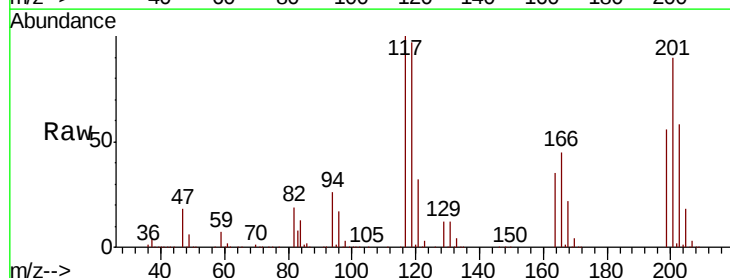
Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

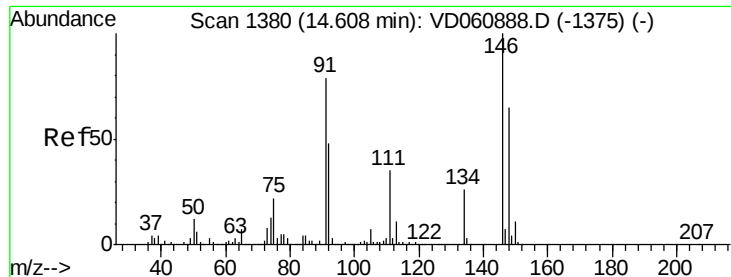
Tgt Ion: 91 Resp: 3161748
Ion Ratio Lower Upper
91 100
92 60.6 30.3 90.8
134 22.8 12.8 38.3



#90
Hexachloroethane
Concen: 51.898 ug/l
RT: 14.81 min Scan# 1401
Delta R.T. 0.01 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion: 117 Resp: 916182
Ion Ratio Lower Upper
117 100
201 89.8 34.2 102.6

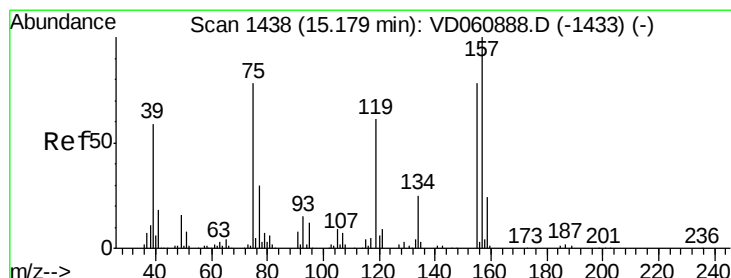
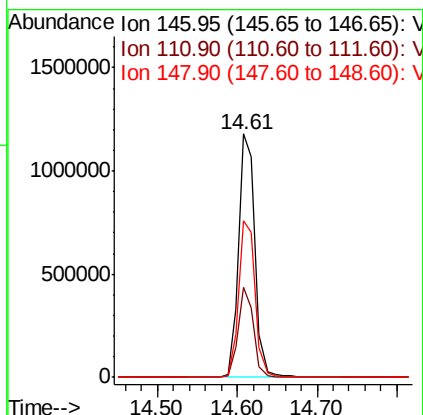
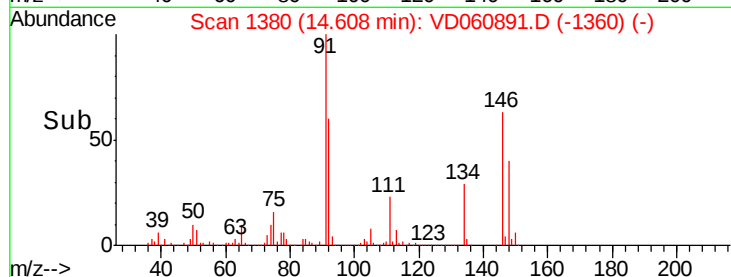
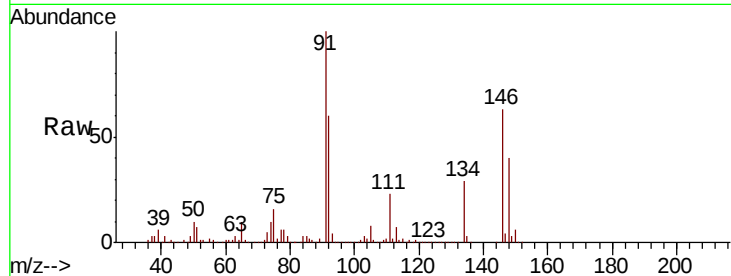




#91
 1,2-Dichlorobenzene
 Concen: 50.377 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

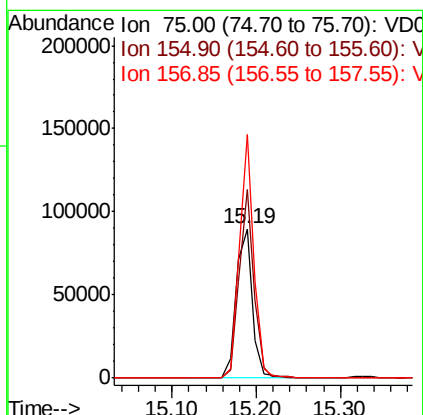
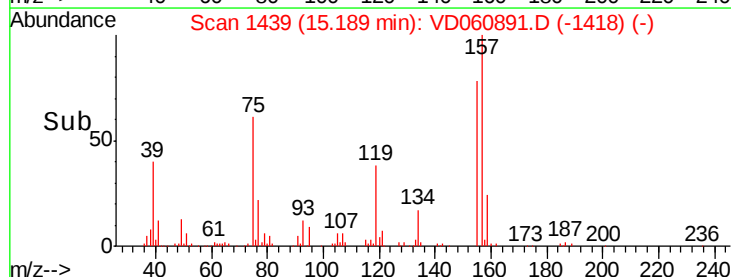
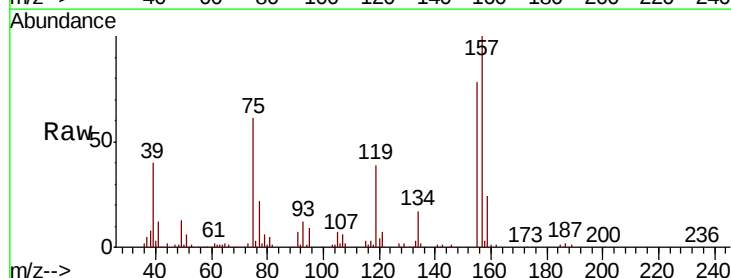
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022119

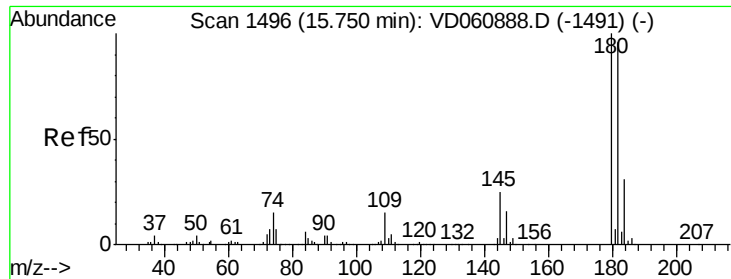
Tgt Ion:146 Resp: 1689551
 Ion Ratio Lower Upper
 146 100
 111 37.2 17.4 52.2
 148 64.5 32.6 97.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.303 ug/l
 RT: 15.19 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

Tgt Ion: 75 Resp: 120819
 Ion Ratio Lower Upper
 75 100
 155 126.4 49.9 149.6
 157 162.9 64.3 192.9

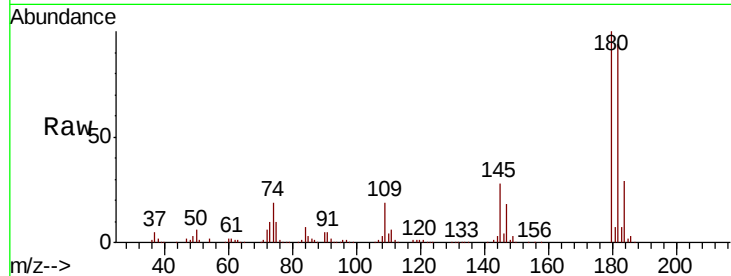




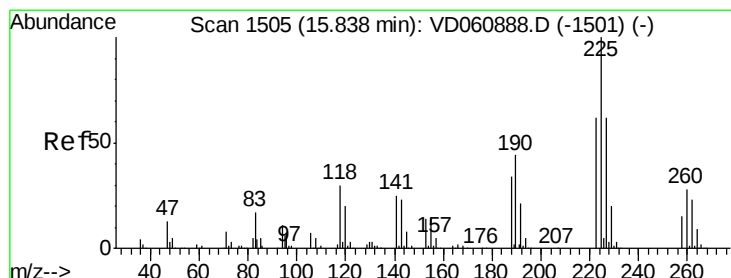
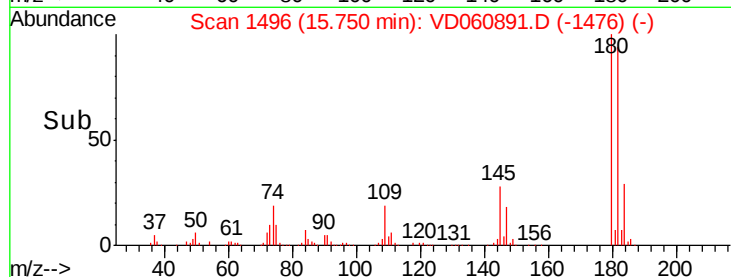
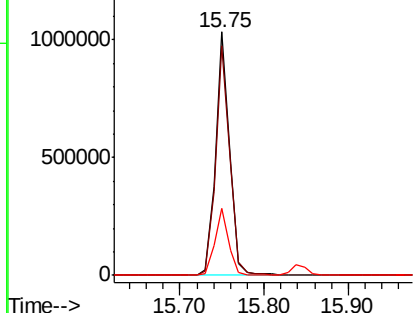
#93
 1,2,4-Trichlorobenzene
 Concen: 51.835 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022119

Tgt Ion:180 Resp: 1187033
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.8 143.3
 145 27.7 12.4 37.4

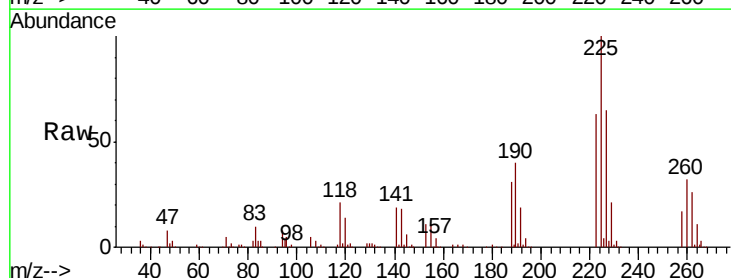


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

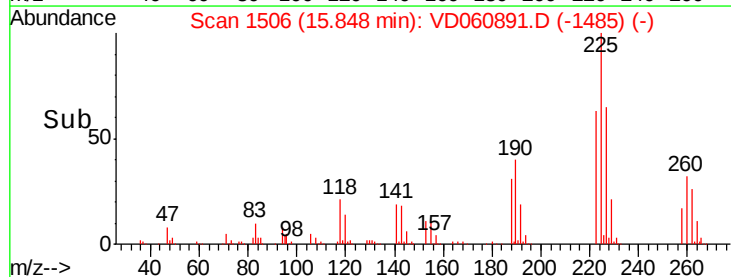
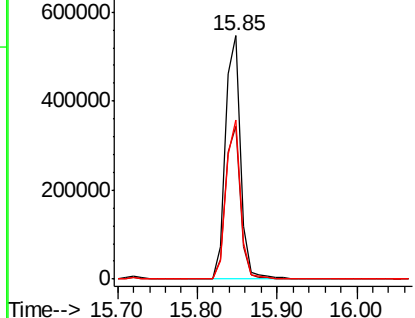


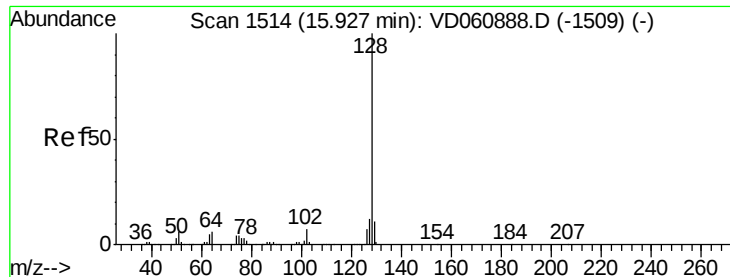
#94
 Hexachlorobutadiene
 Concen: 49.656 ug/l
 RT: 15.85 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VD060891.D
 Acq: 21 Feb 2019 20:18

Tgt Ion:225 Resp: 736285
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.5
 227 65.2 31.2 93.6



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

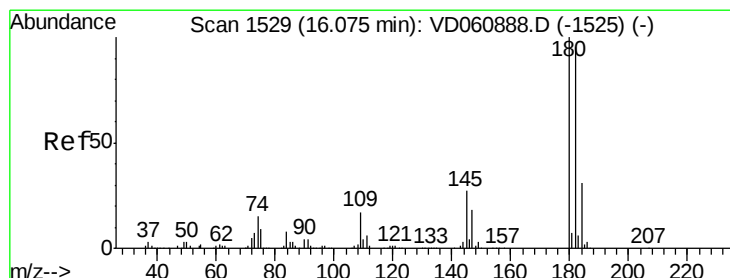
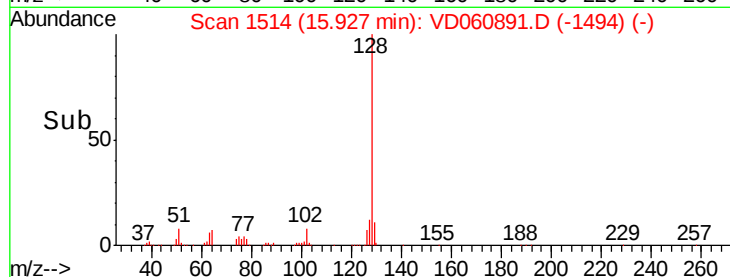
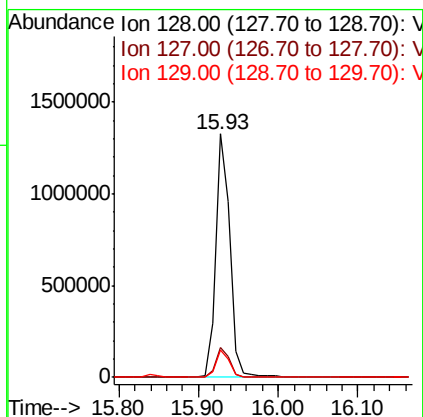
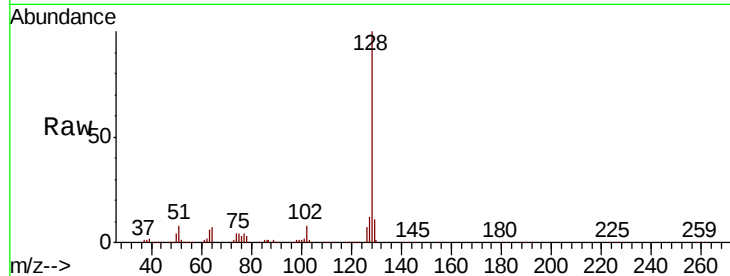




#95
Naphthalene
Concen: 52.851 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022119

Tgt Ion:128 Resp: 1664243
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 11.0 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 51.836 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060891.D
Acq: 21 Feb 2019 20:18

Tgt Ion:180 Resp: 793685
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 29.8 13.5 40.4

