

Data File : VV009222.D
Acq On : 18 Jan 2019 16:00
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Quant Time: Jan 19 02:54:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	90745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	159646	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	146566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	73472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	11486	9.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.94%	
35) Dibromofluoromethane	4.64	113	9650	9.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.42%	
50) Toluene-d8	7.36	98	36290	9.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.30%	
62) 4-Bromofluorobenzene	10.12	95	14138	9.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	7434	10.609	ug/l	100
3) Chloromethane	1.25	50	10575	10.642	ug/l	99
4) Vinyl Chloride	1.32	62	10454	10.705	ug/l	92
5) Bromomethane	1.53	94	7094	11.107	ug/l	97
6) Chloroethane	1.60	64	7111	11.663	ug/l	98
7) Trichlorofluoromethane	1.76	101	6352	11.182	ug/l	96
8) Diethyl Ether	1.96	74	5216	10.997	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.14	101	9574	10.852	ug/l	98
10) Methyl Iodide	2.26	142	15588	10.959	ug/l	99
11) Tert butyl alcohol	2.65	59	5169	73.483	ug/l #	95
12) 1,1-Dichloroethene	2.14	96	9848	11.592	ug/l	95
13) Acrolein	2.06	56	3608	62.506	ug/l	97
14) Allyl chloride	2.42	41	17245	11.253	ug/l	97
15) Acrylonitrile	2.76	53	11576	58.182	ug/l	97
16) Acetone	2.18	43	17061	68.298	ug/l	96
17) Carbon Disulfide	2.32	76	28571	10.860	ug/l	97
18) Methyl Acetate	2.45	43	8373	12.762	ug/l	97
19) Methyl tert-butyl Ether	2.80	73	15474	11.143	ug/l	94
20) Methylene Chloride	2.53	84	12999	13.414	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	10431	11.128	ug/l	99
22) Diisopropyl ether	3.33	45	37452	10.734	ug/l	96
23) Vinyl Acetate	3.30	43	101631	53.542	ug/l	98
24) 1,1-Dichloroethane	3.22	63	23416	11.403	ug/l	99
25) 2-Butanone	4.02	43	18807	60.008	ug/l	100
26) 2,2-Dichloropropane	3.95	77	11089	9.678	ug/l	97
27) cis-1,2-Dichloroethene	3.95	96	13397	11.160	ug/l	98
28) Bromochloromethane	4.30	49	8239	9.552	ug/l #	99
29) Tetrahydrofuran	4.39	42	10302	54.896	ug/l	97
30) Chloroform	4.42	83	24244	11.203	ug/l	100
31) Cyclohexane	4.72	56	21275	12.139	ug/l #	91
32) 1,1,1-Trichloroethane	4.65	97	19061	10.864	ug/l	95
36) 1,1-Dichloropropene	4.88	75	18567	11.913	ug/l	96
37) Ethyl Acetate	4.13	43	6713	10.188	ug/l #	94
38) Carbon Tetrachloride	4.87	117	17432	10.973	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	19986	10.670	ug/l	99
40) Benzene	5.14	78	49602	10.940	ug/l	98
41) Methacrylonitrile	4.31	41	4000	10.355	ug/l	95
42) 1,2-Dichloroethane	5.18	62	16812	11.060	ug/l	100
43) Isopropyl Acetate	5.33	43	14615	11.330	ug/l	98
44) Trichloroethene	5.95	130	13269	11.639	ug/l	96
45) 1,2-Dichloropropane	6.22	63	12363	10.923	ug/l	93
46) Dibromomethane	6.35	93	6695	11.200	ug/l	95
47) Bromodichloromethane	6.55	83	16651	10.494	ug/l	99
48) Methyl methacrylate	6.42	41	6981	10.313	ug/l	96
49) 1,4-Dioxane	6.42	88	1718	213.754	ug/l	92
51) 4-Methyl-2-Pentanone	7.28	43	34926	51.780	ug/l	100
52) Toluene	7.43	92	31169	10.843	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	15421	9.910	ug/l	96
54) cis-1,3-Dichloropropene	7.07	75	18229	10.140	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	9129	11.407	ug/l	94
56) Ethyl methacrylate	7.83	69	10022	9.963	ug/l	95
57) 1,3-Dichloropropane	8.06	76	16341	10.829	ug/l	97
59) 2-Hexanone	8.19	43	25524	52.784	ug/l	98
60) Dibromochloromethane	8.29	129	10309	10.462	ug/l	99
61) 1,2-Dibromoethane	8.40	107	8627	10.786	ug/l	98
64) Tetrachloroethene	8.02	164	10234	11.258	ug/l	98
65) Chlorobenzene	8.93	112	34349	11.136	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	11500	10.499	ug/l	98
67) Ethyl Benzene	9.05	91	60395	10.859	ug/l	100
68) m/p-Xylenes	9.18	106	45094	21.730	ug/l	98
69) o-Xylene	9.59	106	20726	10.409	ug/l	93
70) Styrene	9.60	104	32364	9.909	ug/l	98
71) Bromoform	9.77	173	5454	10.287	ug/l #	99
73) Isopropylbenzene	9.97	105	58617	10.720	ug/l	99
74) N-amyl acetate	9.84	43	11873	10.217	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	10847	11.146	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	11437	15.575	ug/l	84
77) Bromobenzene	10.26	156	13532	11.333	ug/l	98
78) n-propylbenzene	10.40	91	67426	10.325	ug/l	98
79) 2-Chlorotoluene	10.47	91	43040	11.041	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	49323	10.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	2851	10.204	ug/l	94
82) 4-Chlorotoluene	10.59	91	52322	11.145	ug/l	97
83) tert-Butylbenzene	10.91	119	47005	10.666	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	51602	10.850	ug/l	99
85) sec-Butylbenzene	11.13	105	59592	10.522	ug/l	99
86) p-Isopropyltoluene	11.29	119	53452	10.618	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	27183	11.256	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	27289	11.198	ug/l	96
89) n-Butylbenzene	11.70	91	52315	10.587	ug/l	99
90) Hexachloroethane	11.95	117	9172	9.934	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	23793	10.956	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	1813	10.633	ug/l	98
93) 1,2,4-Trichlorobenzene	13.31	180	16068	11.121	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.49	225	9157	11.070	ug/l	97
95) Naphthalene	13.55	128	25587	9.830	ug/l	98
96) 1,2,3-Trichlorobenzene	13.80	180	13321	10.459	ug/l	98

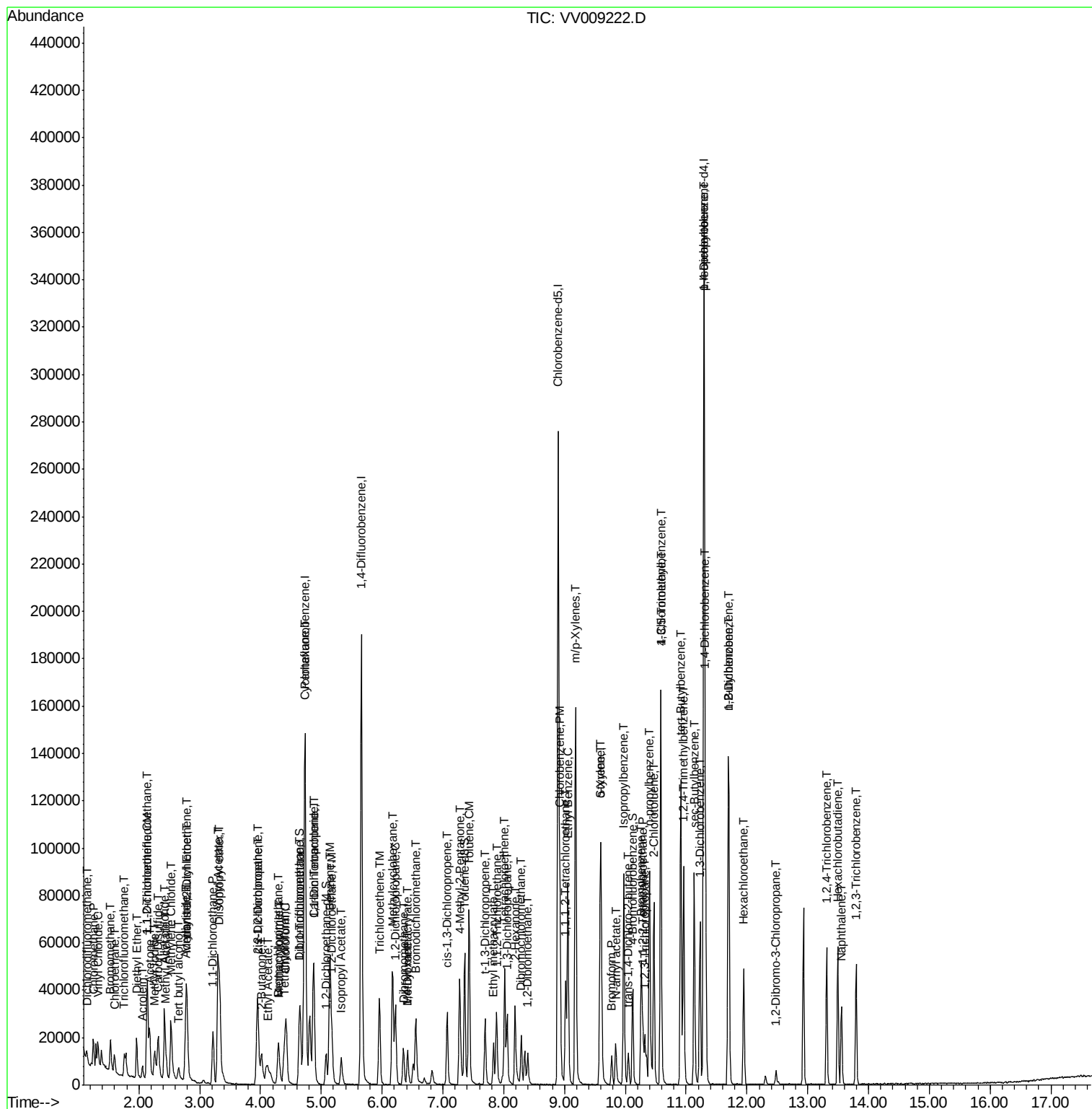
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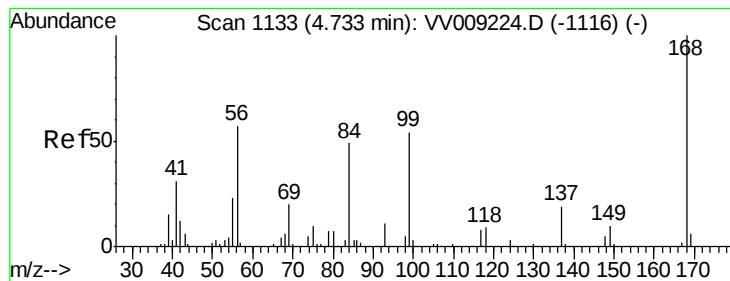
Data File : VV009222.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

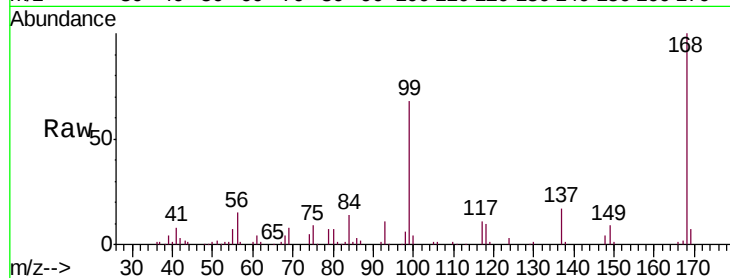
VSTDIC010

Tgt Ion: 168 Resp: 90745

Ion Ratio Lower Upper

168 100

99 67.0 54.7 82.1



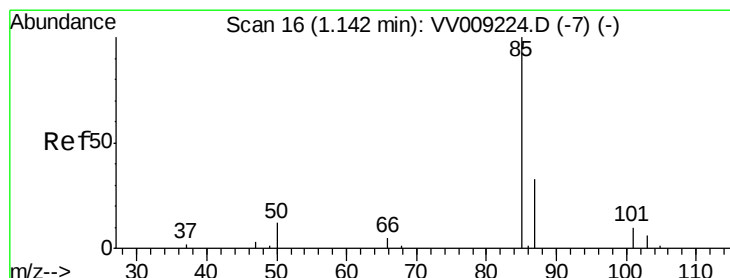
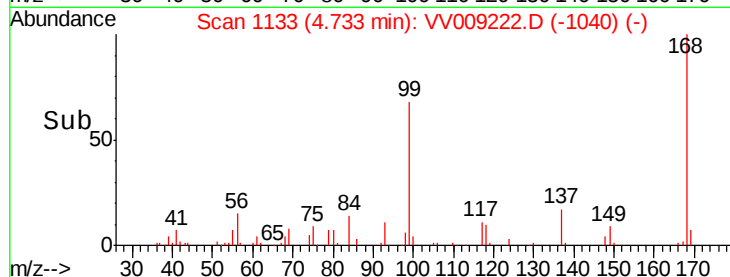
Abundance Ion 167.90 (167.60 to 168.60): VV009222.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009222.D (-1116) (-)

4.73

4.60 4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 10.609 ug/l

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV009222.D

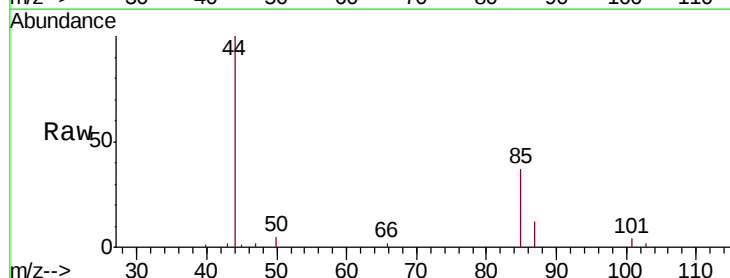
Acq: 18 Jan 2019 16:00

Tgt Ion: 85 Resp: 7434

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.4



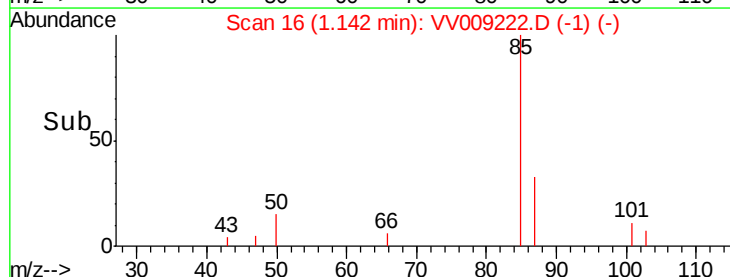
Abundance Ion 84.90 (84.60 to 85.60): VV009222.D (-7) (-)

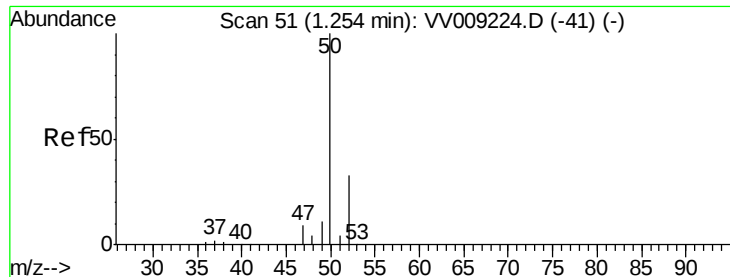
Ion 86.90 (86.60 to 87.60): VV009222.D (-7) (-)

1.14

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 10.642 ug/l

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

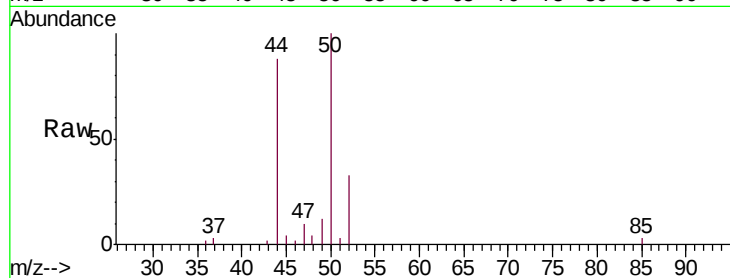
VSTDIC010

Tgt Ion: 50 Resp: 10575

Ion Ratio Lower Upper

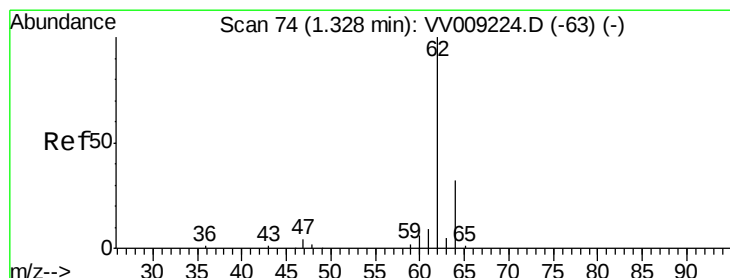
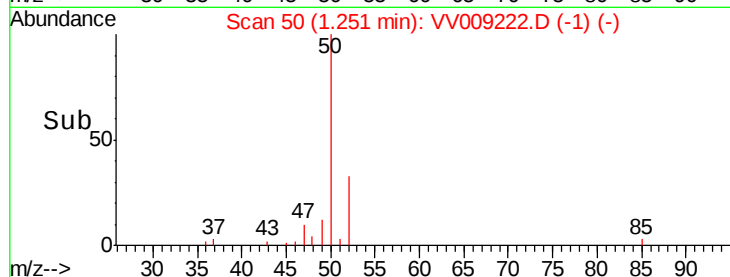
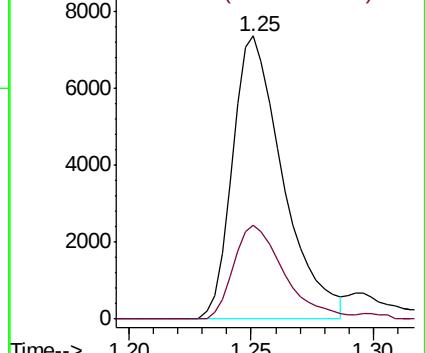
50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0



#4

Vinyl Chloride

Concen: 10.705 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009222.D

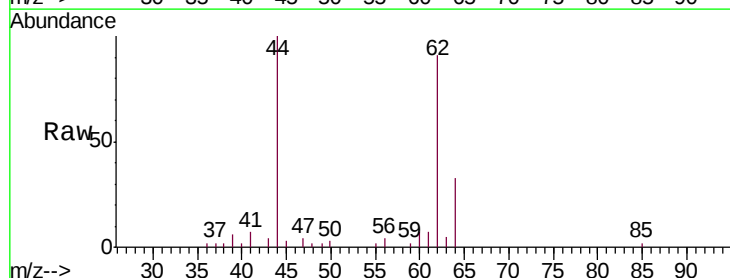
Acq: 18 Jan 2019 16:00

Tgt Ion: 62 Resp: 10454

Ion Ratio Lower Upper

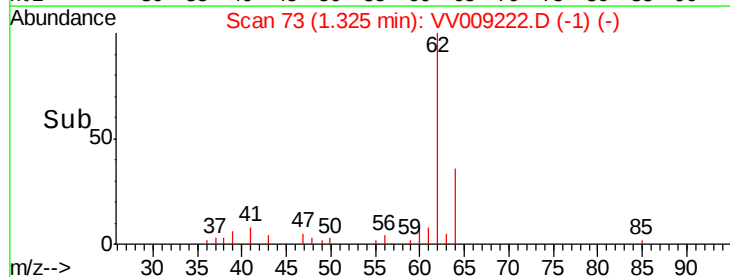
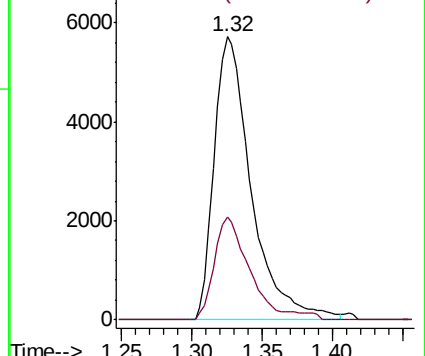
62 100

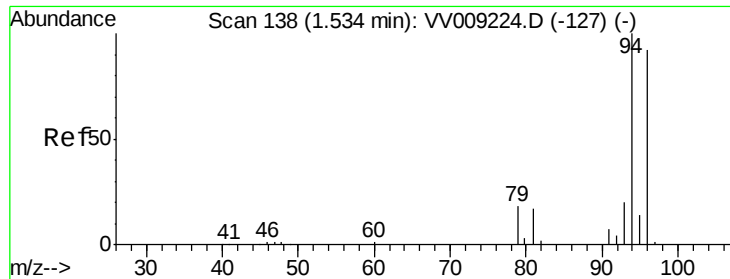
64 36.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0

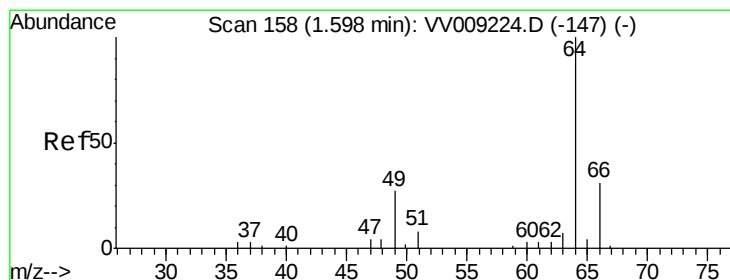
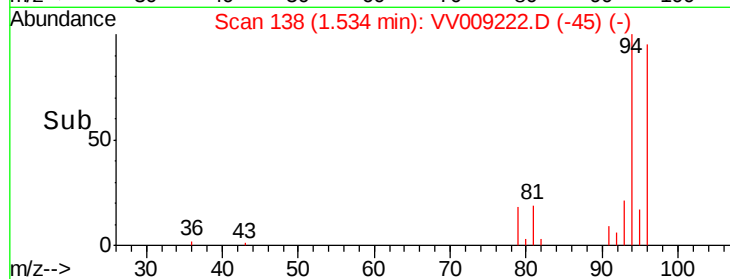
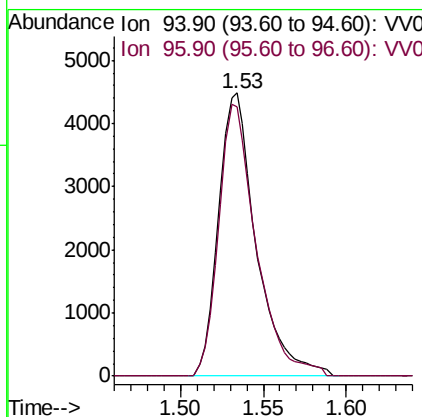
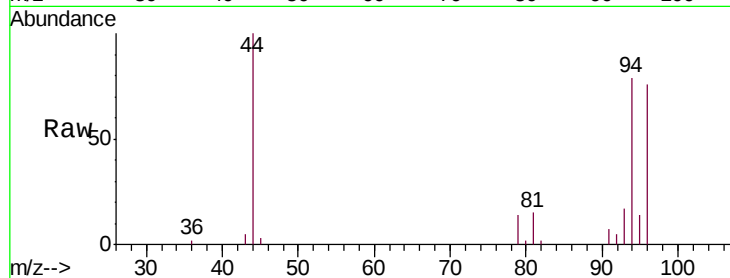




#5
 Bromomethane
 Concen: 11.107 ug/l
 RT: 1.53 min Scan# 138
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

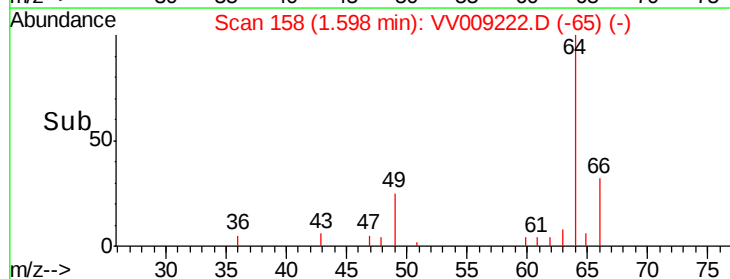
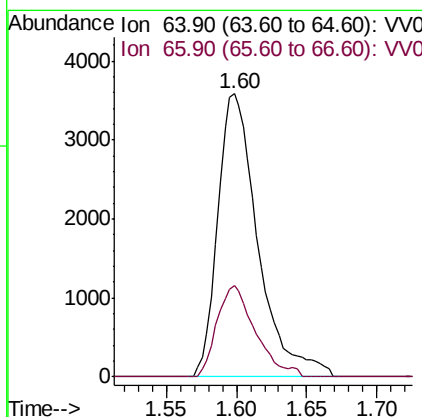
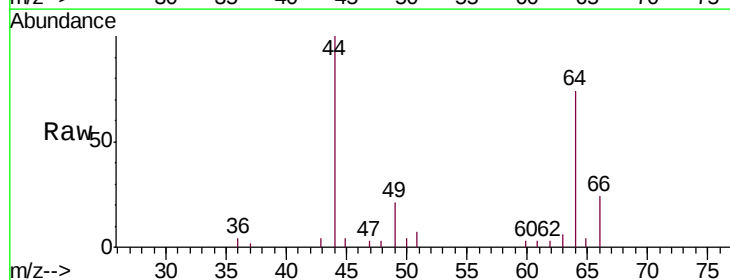
Instrument :
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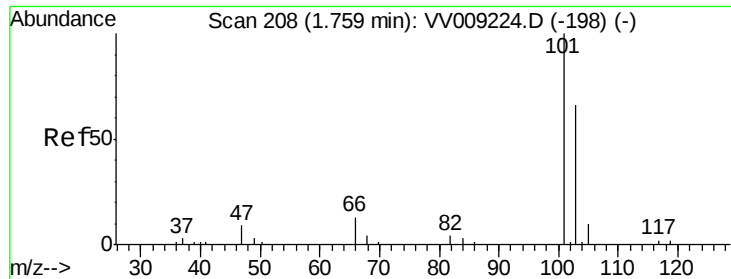
Tgt Ion: 94 Resp: 7094
 Ion Ratio Lower Upper
 94 100
 96 95.2 73.9 110.9



#6
 Chloroethane
 Concen: 11.663 ug/l
 RT: 1.60 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 64 Resp: 7111
 Ion Ratio Lower Upper
 64 100
 66 32.4 25.1 37.7





#7

Trichlorofluoromethane

Concen: 11.182 ug/l

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

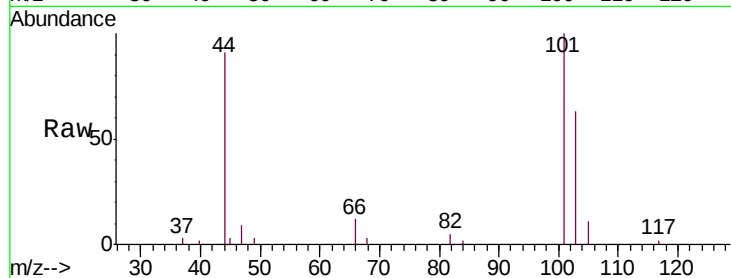
VSTDIC010

Tgt Ion: 101 Resp: 6352

Ion Ratio Lower Upper

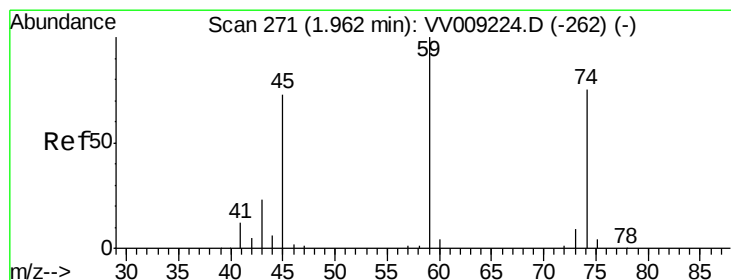
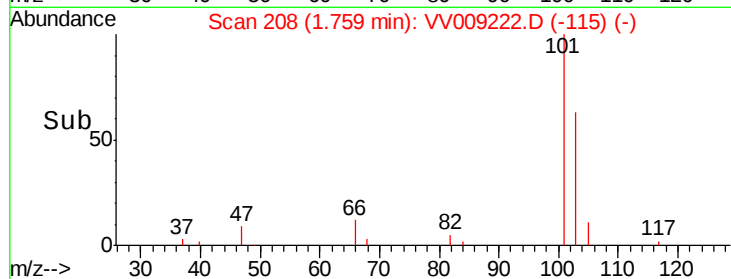
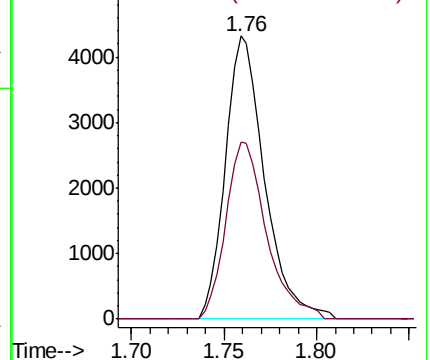
101 100

103 62.5 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 10.997 ug/l

RT: 1.96 min Scan# 272

Delta R.T. 0.00 min

Lab File: VV009222.D

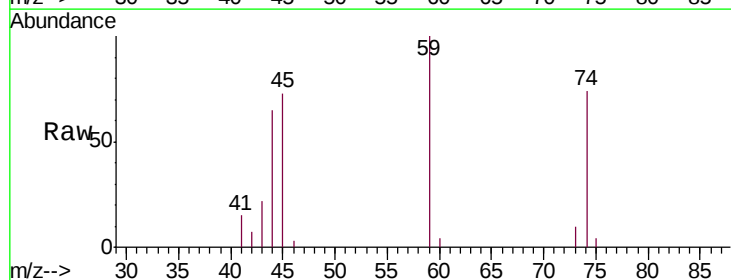
Acq: 18 Jan 2019 16:00

Tgt Ion: 74 Resp: 5216

Ion Ratio Lower Upper

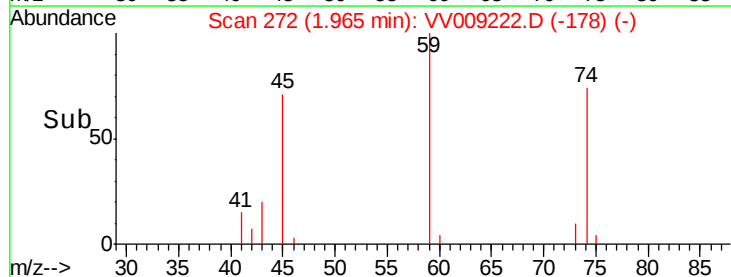
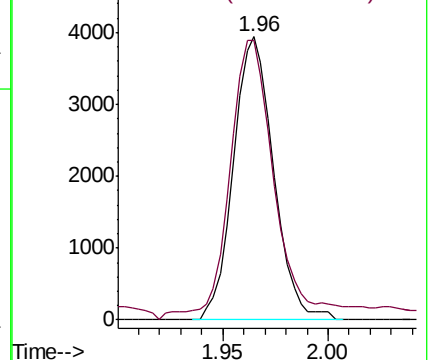
74 100

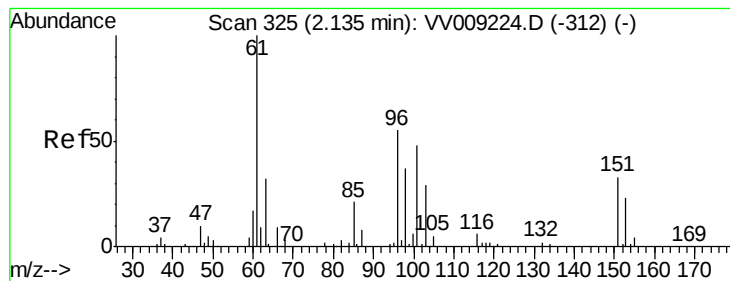
45 113.7 49.4 148.2



Abundance Ion 74.00 (73.70 to 74.70): VV0

Ion 45.00 (44.70 to 45.70): VV0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.852 ug/l

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

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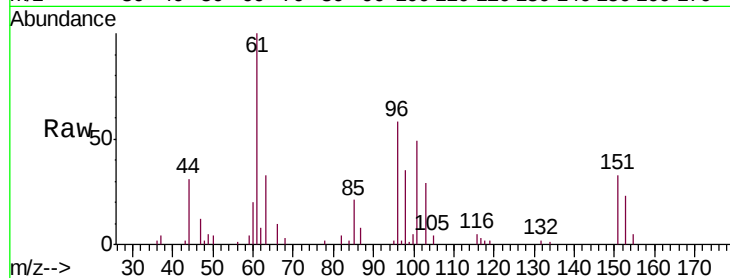
Tgt Ion:101 Resp: 9574

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.4

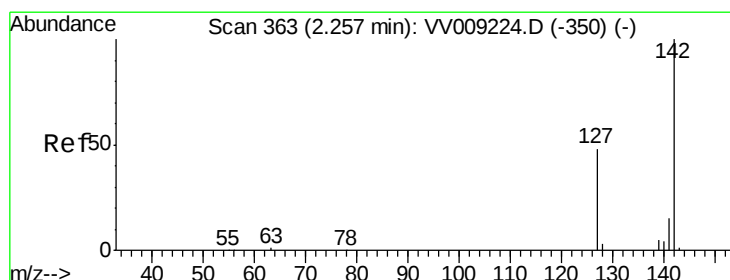
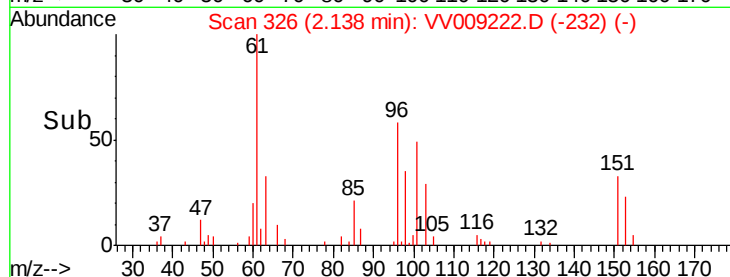
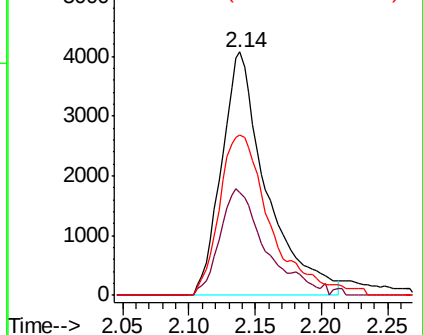
151 75.0 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.959 ug/l

RT: 2.26 min Scan# 363

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

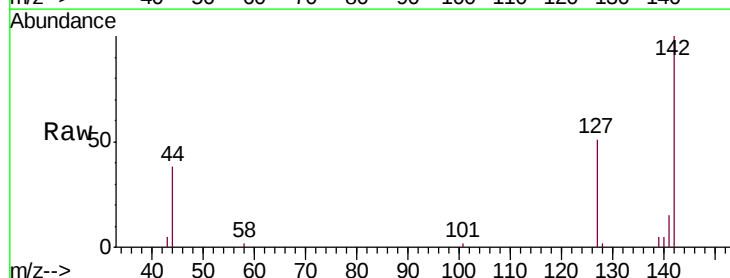
Tgt Ion:142 Resp: 15588

Ion Ratio Lower Upper

142 100

127 47.6 39.0 58.4

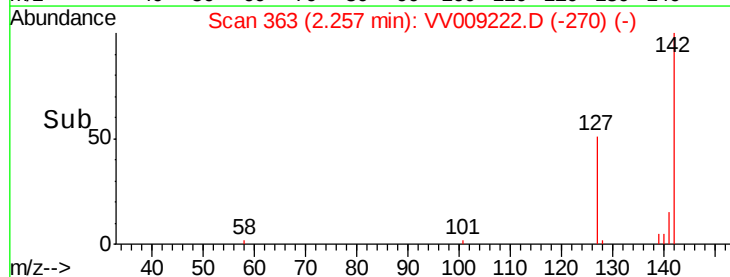
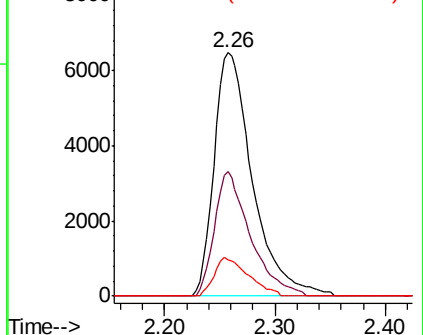
141 14.0 11.4 17.0

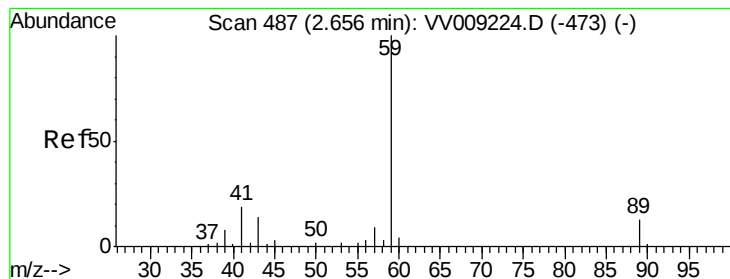


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



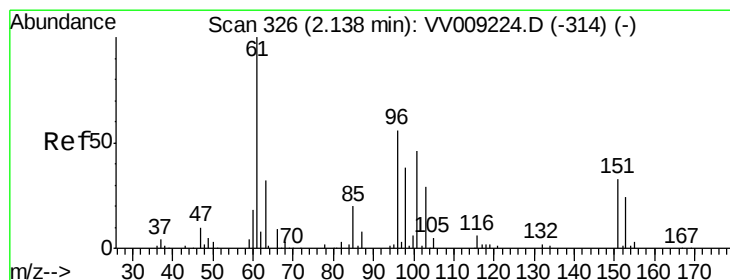
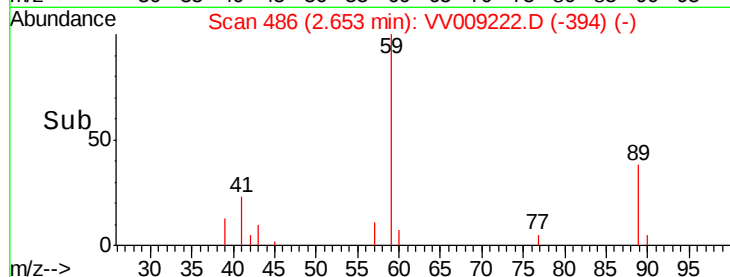
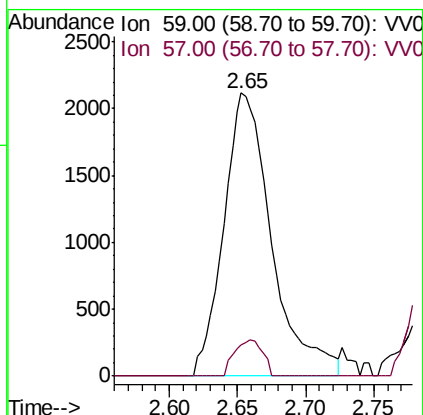
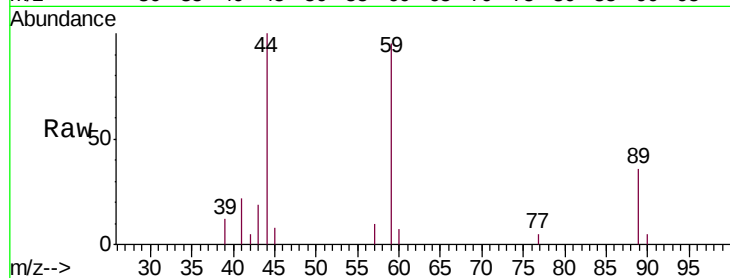


#11

Tert butyl alcohol
 Concen: 73.483 ug/l
 RT: 2.65 min Scan# 486
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

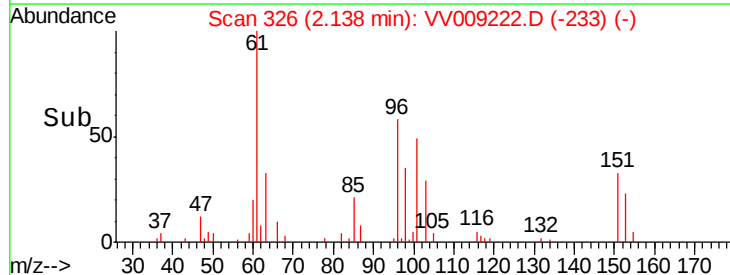
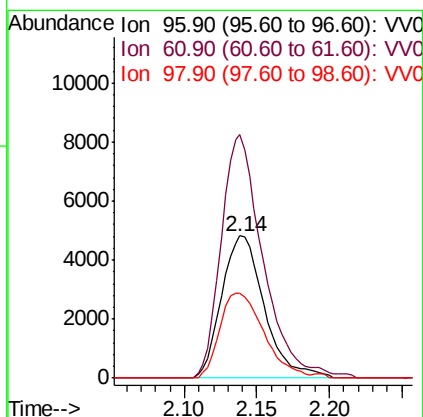
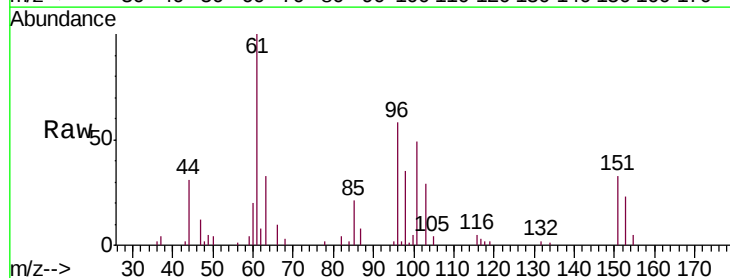
Tgt Ion: 59 Resp: 5169
 Ion Ratio Lower Upper
 59 100
 57 7.5 7.5 11.3#

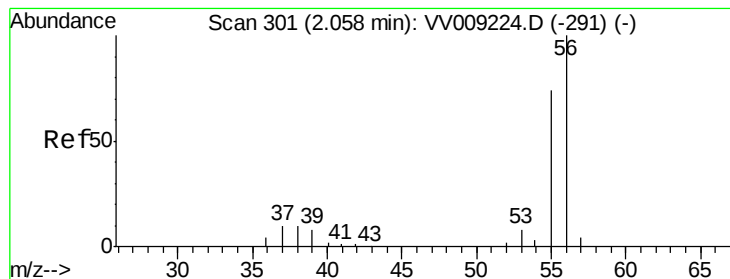


#12

1,1-Dichloroethene
 Concen: 11.592 ug/l
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 96 Resp: 9848
 Ion Ratio Lower Upper
 96 100
 61 171.5 141.9 212.9
 98 59.6 53.3 79.9





#13

Acrolein

Concen: 62.506 ug/l

RT: 2.06 min Scan# 301

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

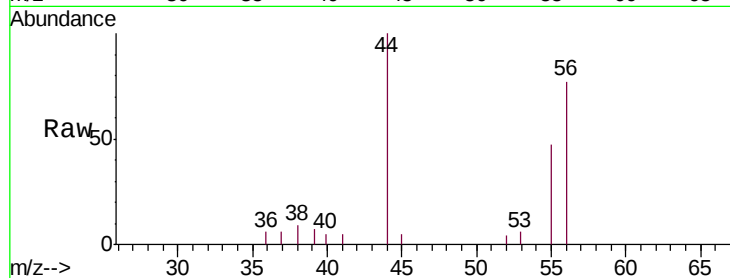
VSTDIC010

Tgt Ion: 56 Resp: 3608

Ion Ratio Lower Upper

56 100

55 67.2 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VV009222.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009222.D (-291) (-)

2500

2000

1500

1000

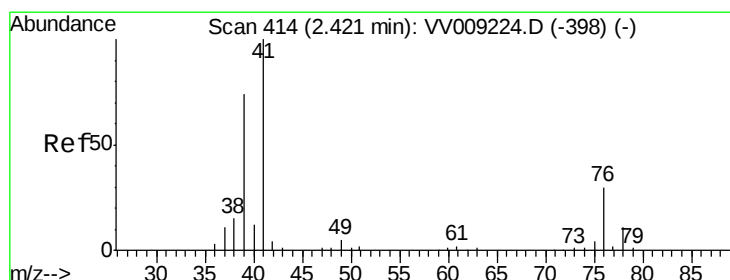
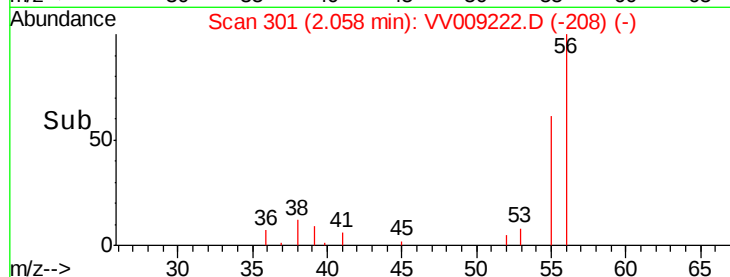
500

0

Time-->

2.00 2.05 2.10 2.15

2.06



#14

Allyl chloride

Concen: 11.253 ug/l

RT: 2.42 min Scan# 414

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

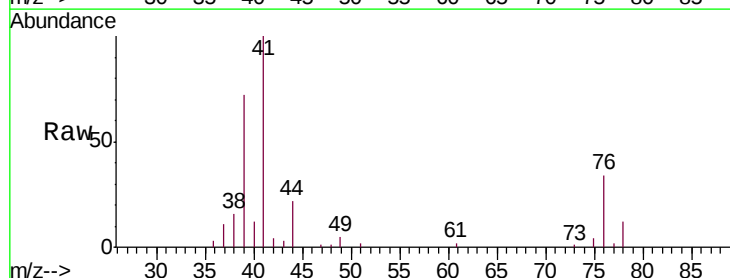
Tgt Ion: 41 Resp: 17245

Ion Ratio Lower Upper

41 100

39 71.8 58.2 87.2

76 32.4 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VV009222.D (-398) (-)

Ion 39.00 (38.70 to 39.70): VV009222.D (-398) (-)

Ion 75.90 (75.60 to 76.60): VV009222.D (-398) (-)

15000

10000

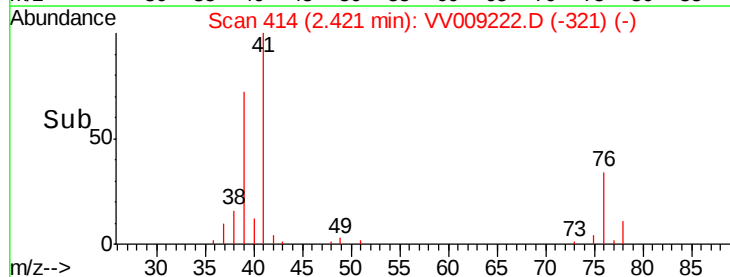
5000

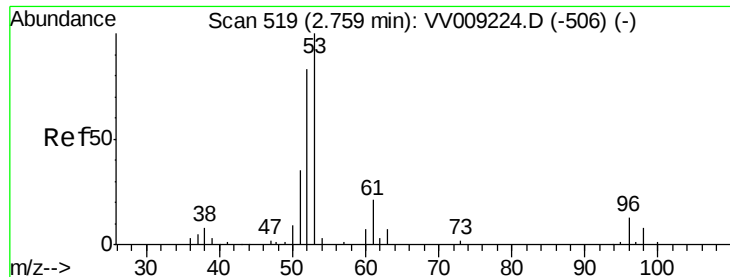
0

Time-->

2.35 2.40 2.45 2.50

2.42





#15

Acrylonitrile

Concen: 58.182 ug/l

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

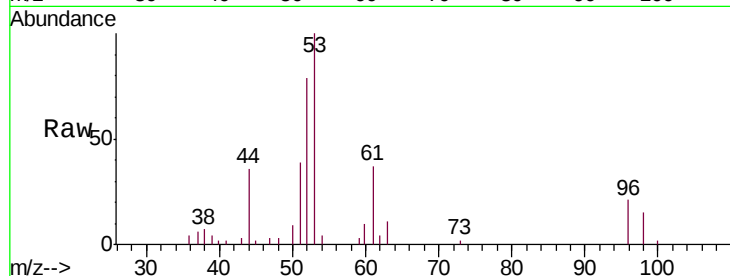
Tgt Ion: 53 Resp: 11576

Ion Ratio Lower Upper

53 100

52 78.3 65.8 98.6

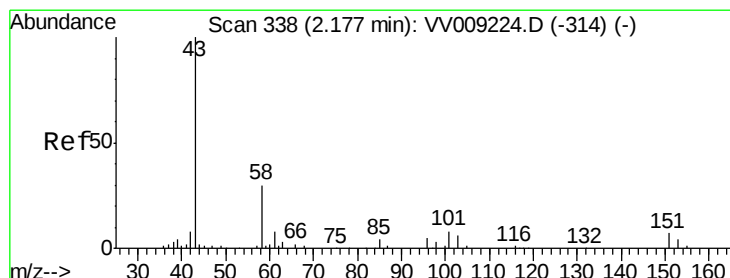
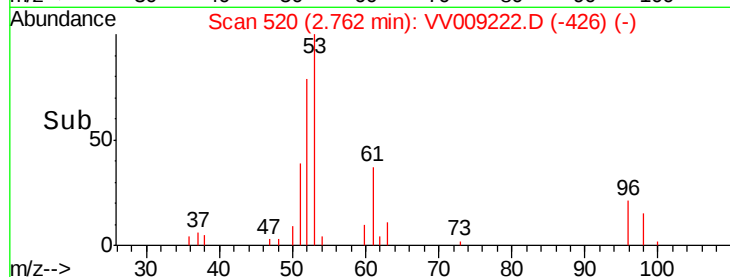
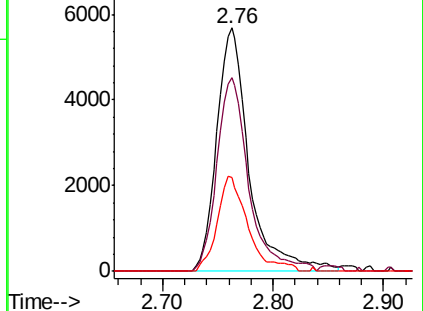
51 36.8 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VV009222.D (-520) (-)

Ion 52.00 (51.70 to 52.70): VV009222.D (-520) (-)

Ion 51.00 (50.70 to 51.70): VV009222.D (-520) (-)



#16

Acetone

Concen: 68.298 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VV009222.D

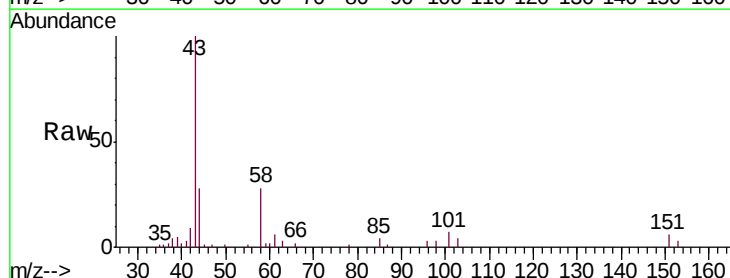
Acq: 18 Jan 2019 16:00

Tgt Ion: 43 Resp: 17061

Ion Ratio Lower Upper

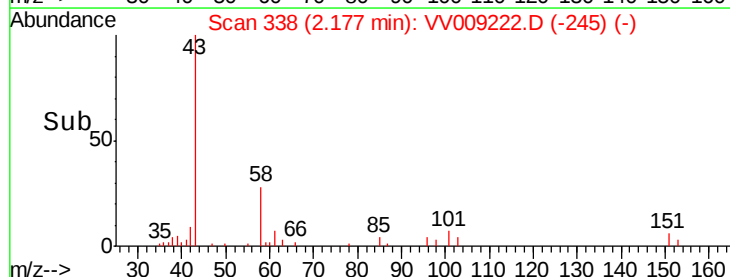
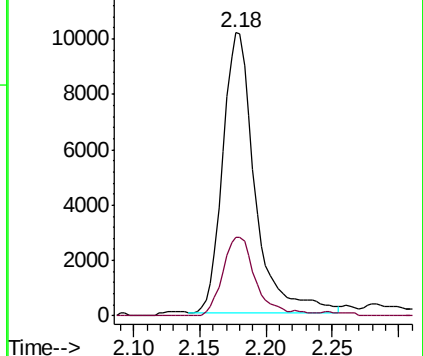
43 100

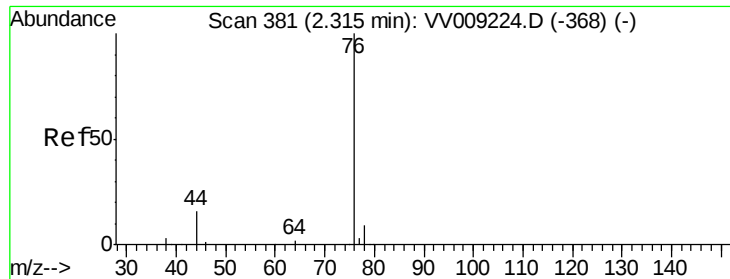
58 27.9 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV009222.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VV009222.D (-338) (-)

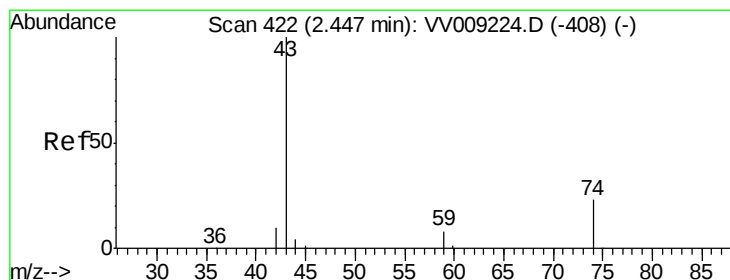
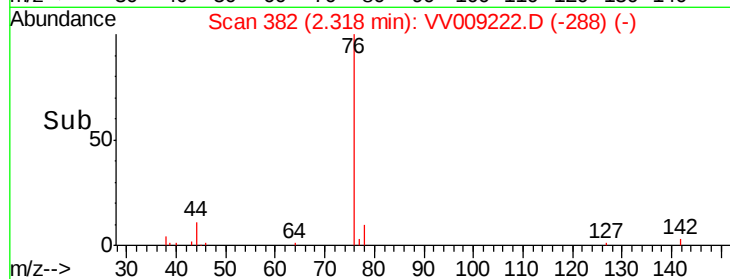
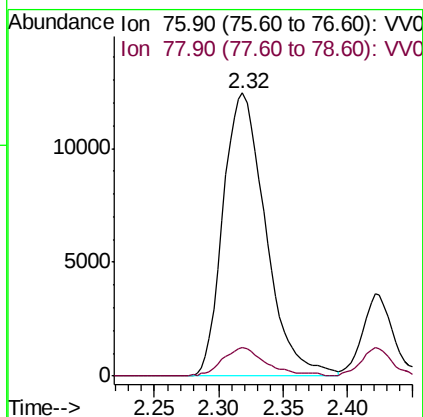
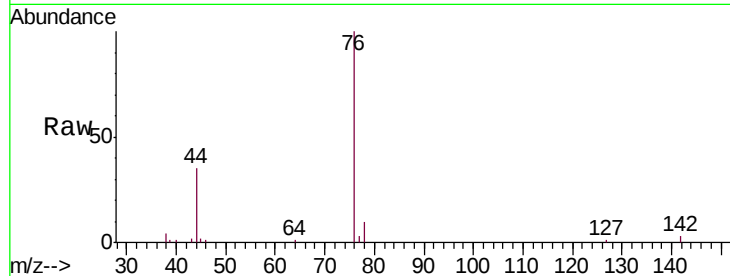




#17
Carbon Disulfide
Concen: 10.860 ug/l
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

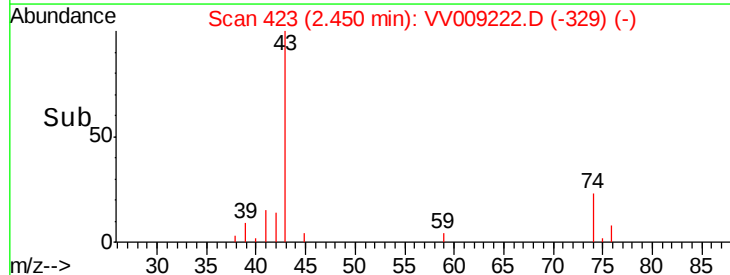
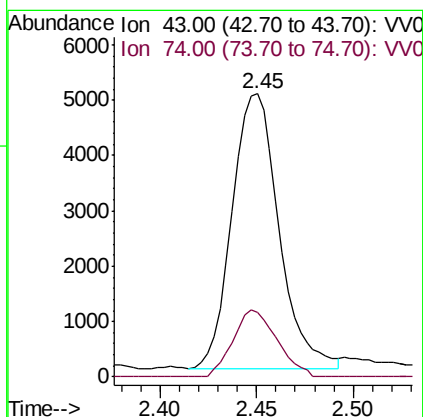
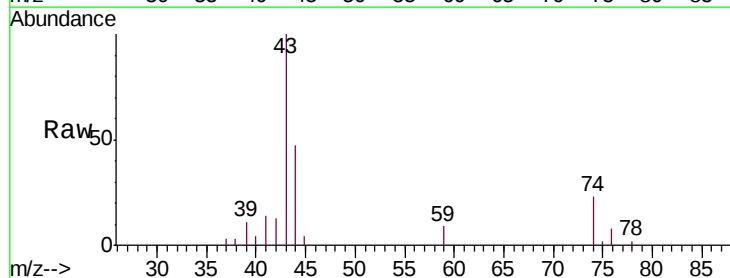
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

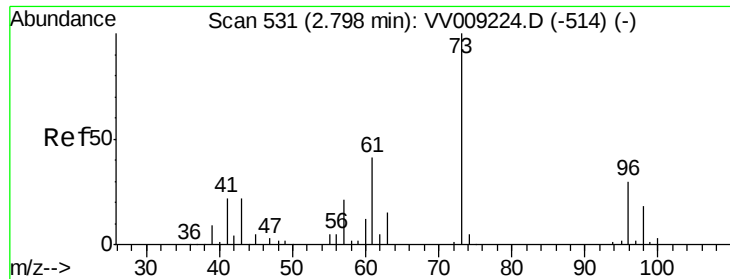
Tgt Ion: 76 Resp: 28571
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#18
Methyl Acetate
Concen: 12.762 ug/l
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 43 Resp: 8373
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2

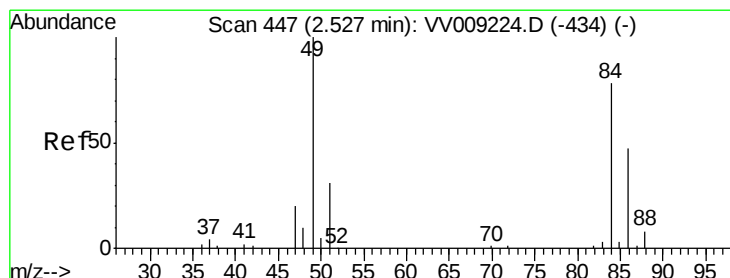
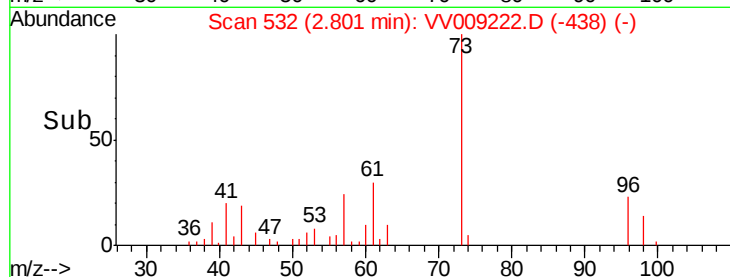
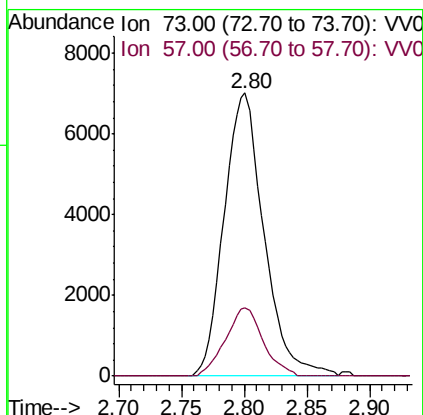
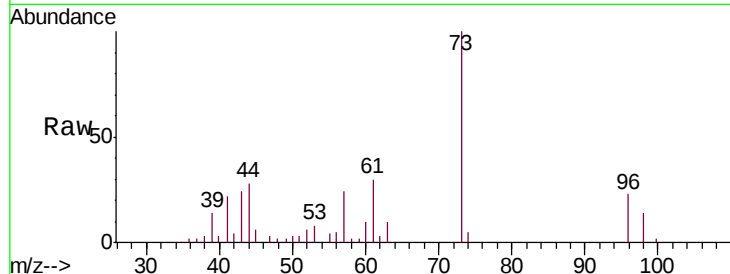




#19
Methyl tert-butyl Ether
Concen: 11.143 ug/l
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

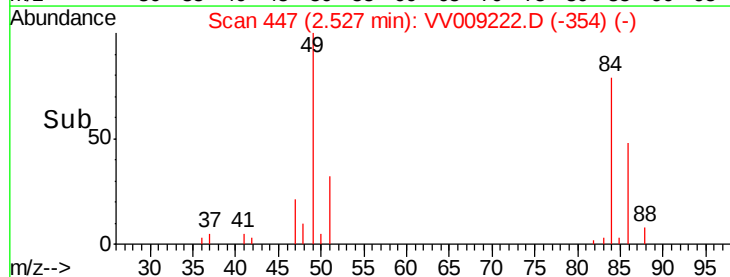
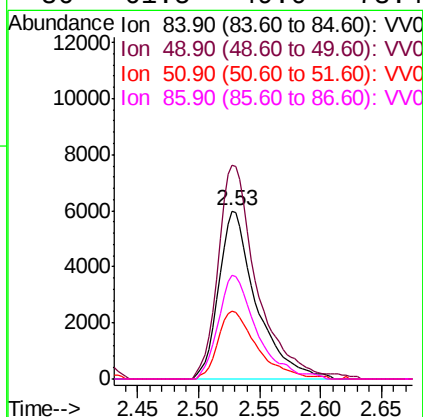
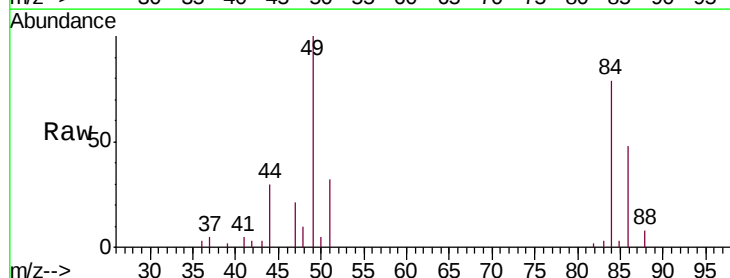
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

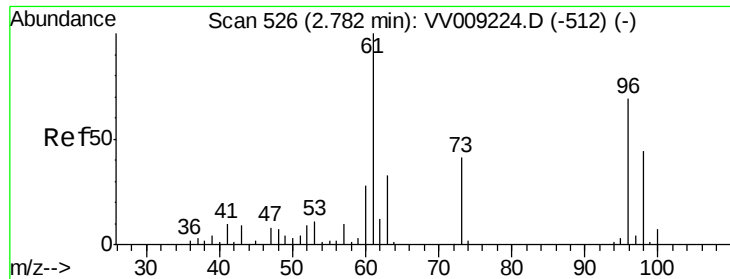
Tgt Ion: 73 Resp: 15474
Ion Ratio Lower Upper
73 100
57 24.4 17.1 25.7



#20
Methylene Chloride
Concen: 13.414 ug/l
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 84 Resp: 12999
Ion Ratio Lower Upper
84 100
49 126.9 103.1 154.7
51 40.1 31.7 47.5
86 61.5 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 11.128 ug/l

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

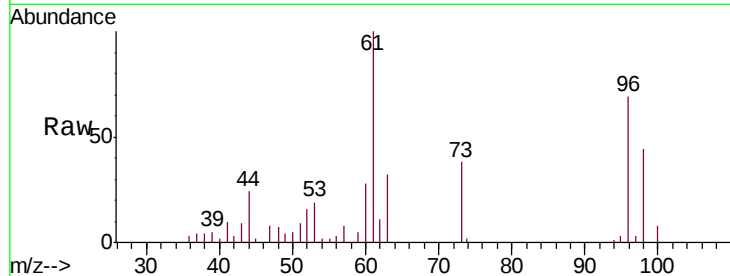
Tgt Ion: 96 Resp: 10431

Ion Ratio Lower Upper

96 100

61 145.6 116.2 174.2

98 64.7 50.8 76.2

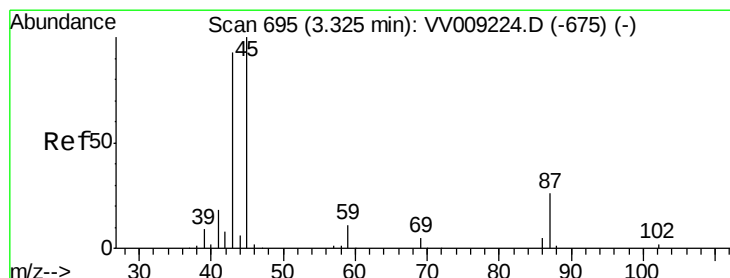
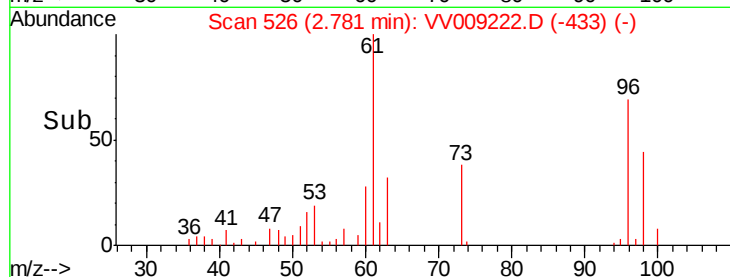
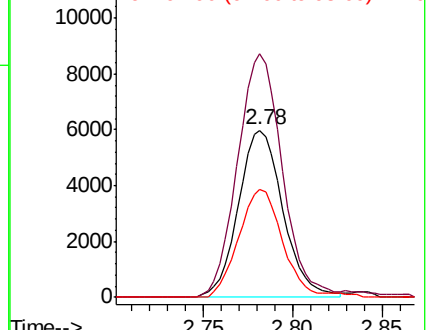


Abundance

Ion 95.90 (95.60 to 96.60): VV0

Ion 60.90 (60.60 to 61.60): VV0

Ion 97.90 (97.60 to 98.60): VV0



#22

Diisopropyl ether

Concen: 10.734 ug/l

RT: 3.33 min Scan# 696

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Tgt Ion: 45 Resp: 37452

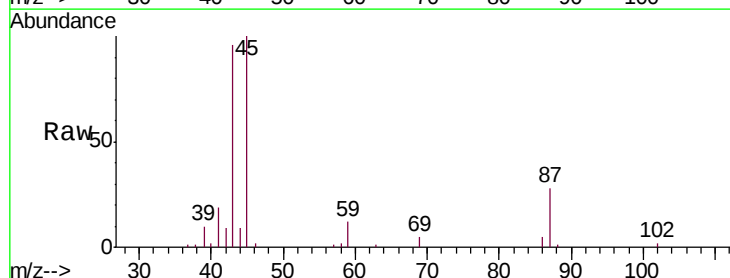
Ion Ratio Lower Upper

45 100

43 89.8 75.4 113.2

87 27.8 20.6 31.0

59 11.6 9.2 13.8



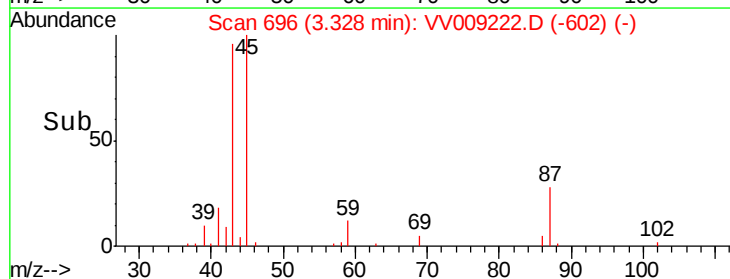
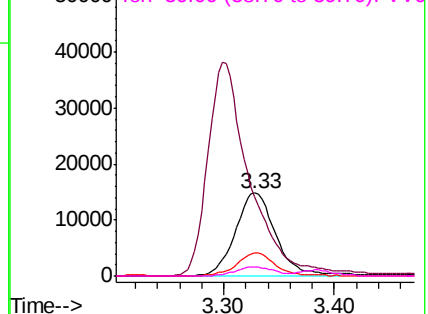
Abundance

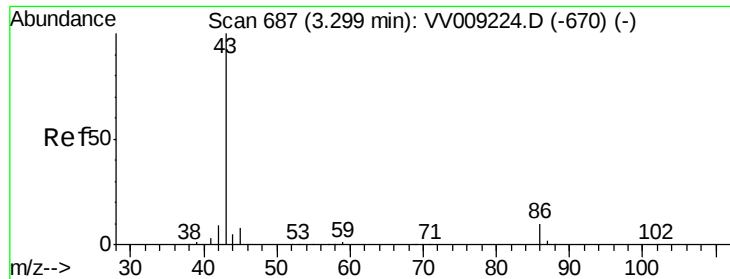
Ion 45.00 (44.70 to 45.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

Ion 59.00 (58.70 to 59.70): VV0





#23

Vinyl Acetate

Concen: 53.542 ug/l

RT: 3.30 min Scan# 687

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

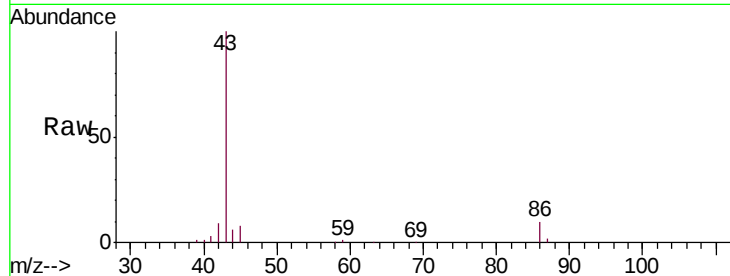
VSTDIC010

Tgt Ion: 43 Resp: 101631

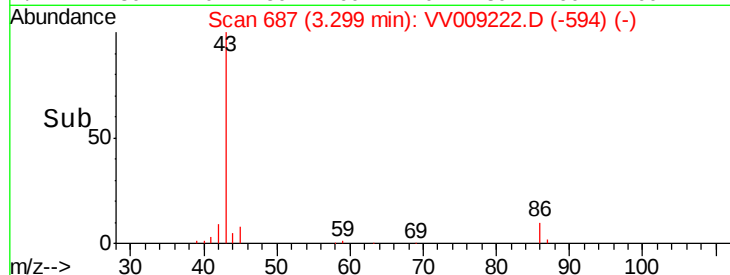
Ion Ratio Lower Upper

43 100

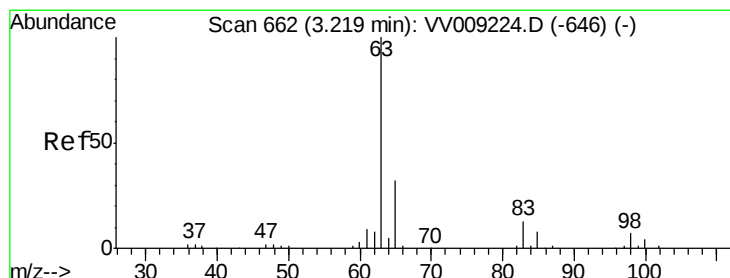
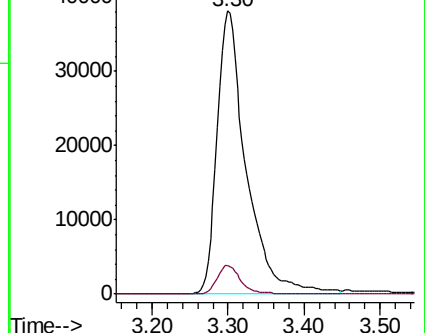
86 10.3 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VV009222.D (-594) (-)



Ion 86.00 (85.70 to 86.70): VV009222.D (-594) (-)



#24

1,1-Dichloroethane

Concen: 11.403 ug/l

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

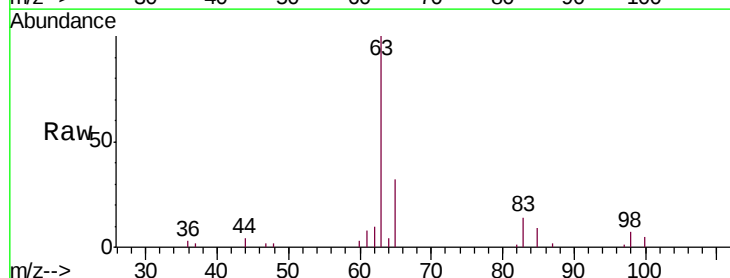
Tgt Ion: 63 Resp: 23416

Ion Ratio Lower Upper

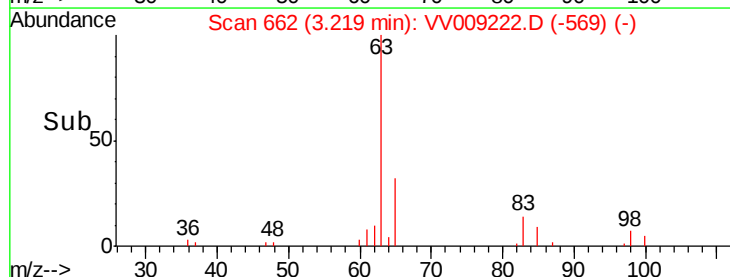
63 100

98 6.7 3.4 10.2

100 4.5 2.1 6.2

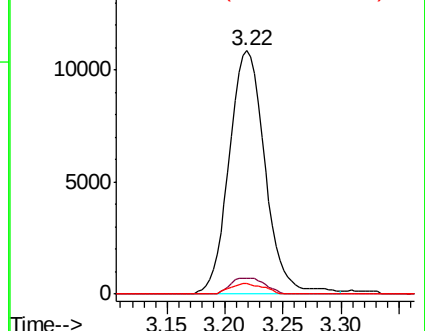


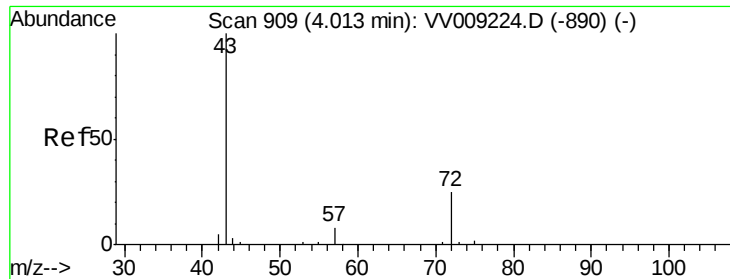
Abundance Ion 62.90 (62.60 to 63.60): VV009222.D (-569) (-)



Ion 97.90 (97.60 to 98.60): VV009222.D (-569) (-)

Ion 99.90 (99.60 to 100.60): VV009222.D (-569) (-)





#25

2-Butanone

Concen: 60.008 ug/l

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

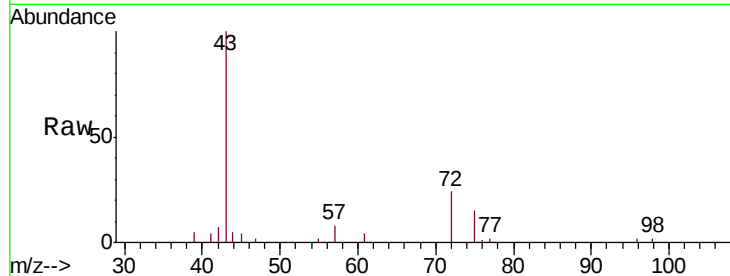
VSTDIC010

Tgt Ion: 43 Resp: 18807

Ion Ratio Lower Upper

43 100

72 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009222.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV009222.D (-890) (-)

8000

6000

4000

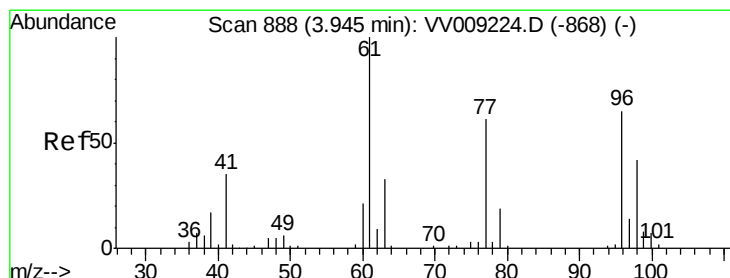
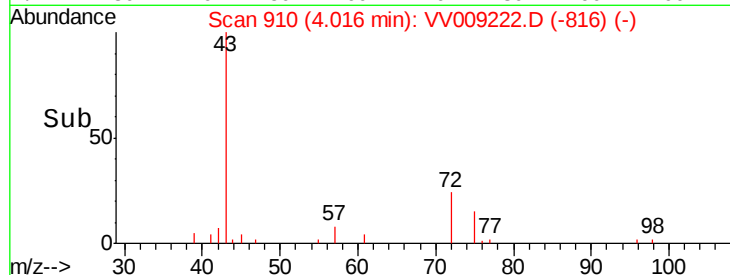
2000

0

Time-->

3.95 4.00 4.05 4.10

4.02



#26

2,2-Dichloropropane

Concen: 9.678 ug/l

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VV009222.D

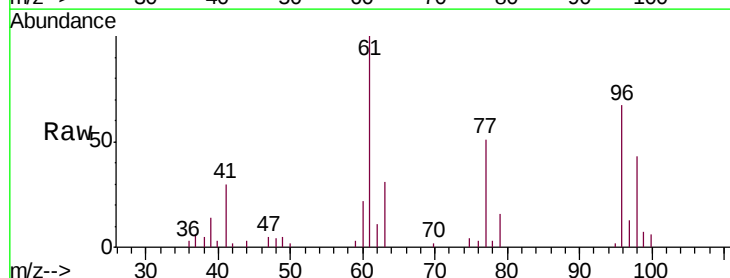
Acq: 18 Jan 2019 16:00

Tgt Ion: 77 Resp: 11089

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV009222.D (-795) (-)

Ion 96.90 (96.60 to 97.60): VV009222.D (-795) (-)

4000

3000

2000

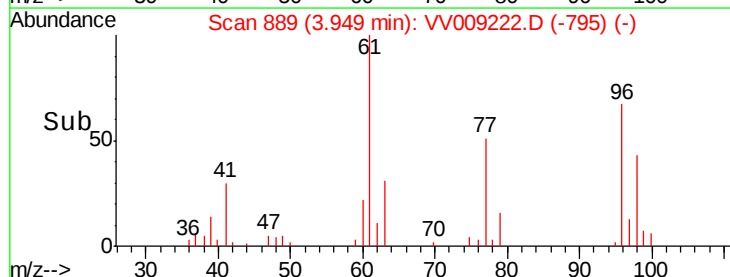
1000

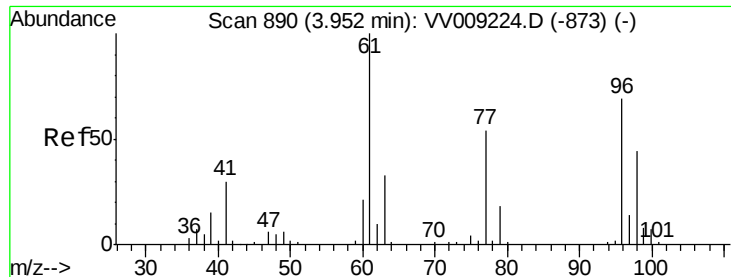
0

Time-->

3.90 4.00

3.95



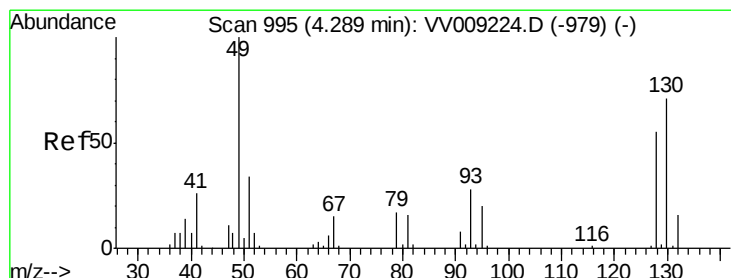
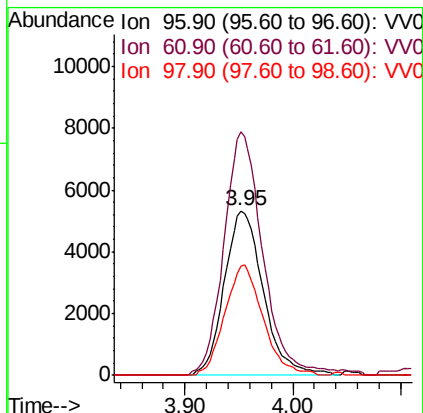
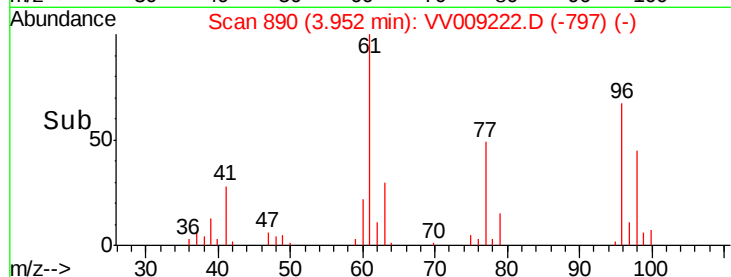
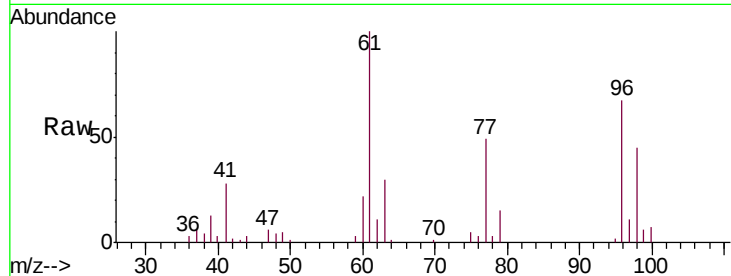


#27

cis-1,2-Dichloroethene
 Concen: 11.160 ug/l
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTDIC010

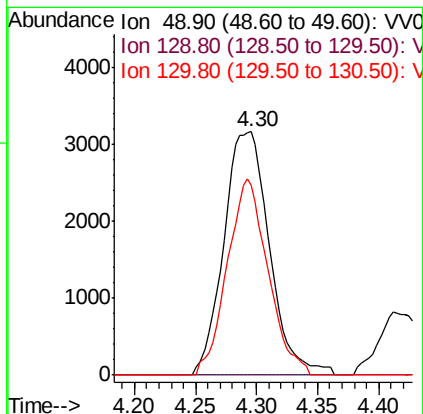
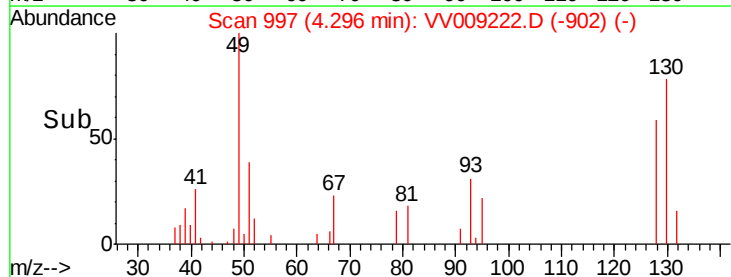
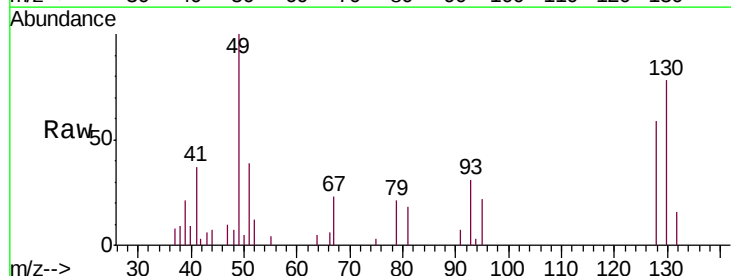
Tgt Ion: 96 Resp: 13397
 Ion Ratio Lower Upper
 96 100
 61 147.8 0.0 300.4
 98 65.8 0.0 129.2

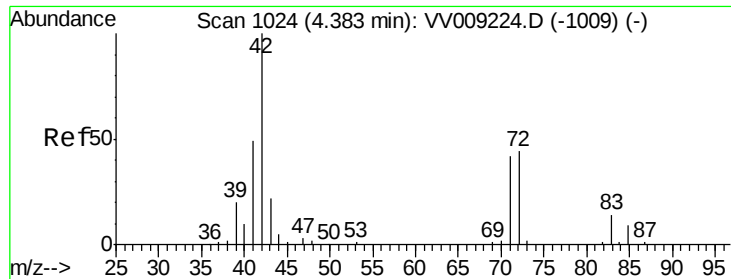


#28

Bromochloromethane
 Concen: 9.552 ug/l
 RT: 4.30 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 49 Resp: 8239
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 71.8 57.8 86.6

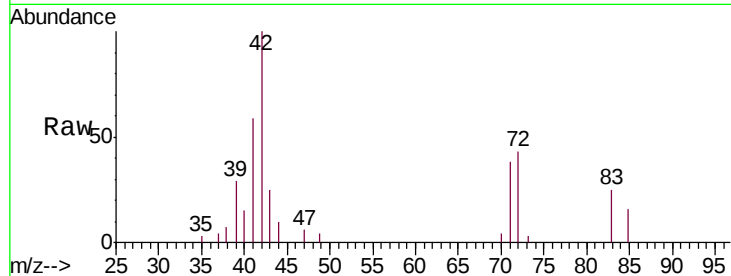




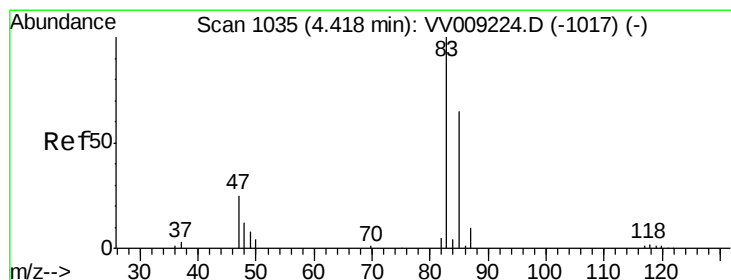
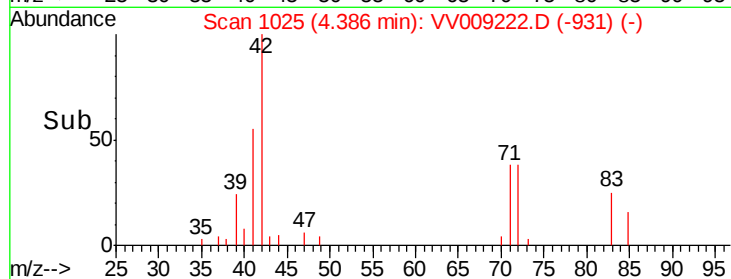
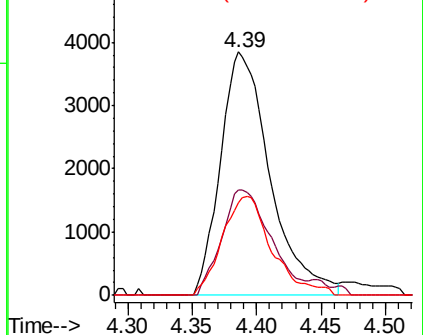
#29
Tetrahydrofuran
Concen: 54.896 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 10302
Ion Ratio Lower Upper
42 100
72 42.7 35.9 53.9
71 40.6 33.6 50.4

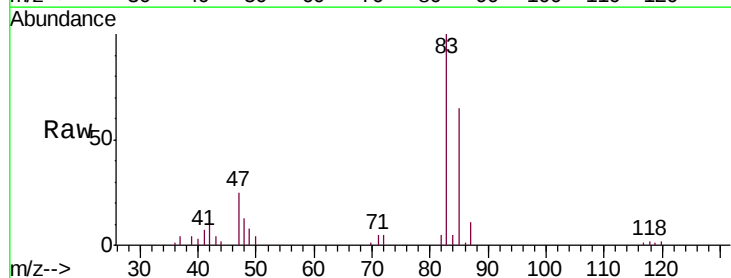


Abundance Ion 42.00 (41.70 to 42.70): VV0
Ion 72.00 (71.70 to 72.70): VV0
Ion 71.00 (70.70 to 71.70): VV0

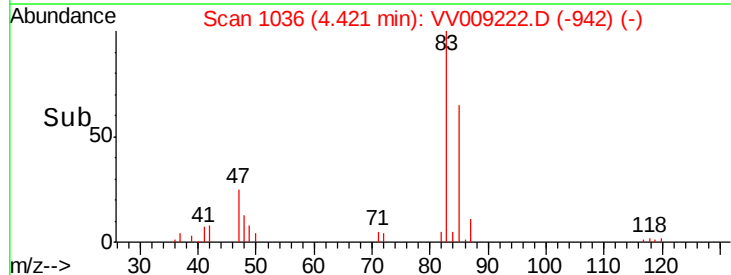
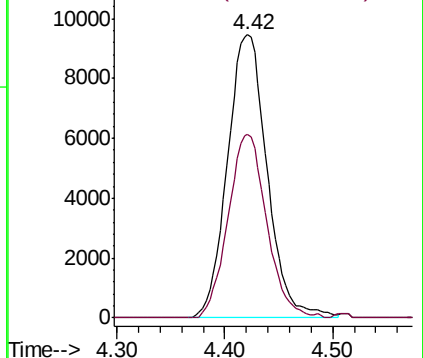


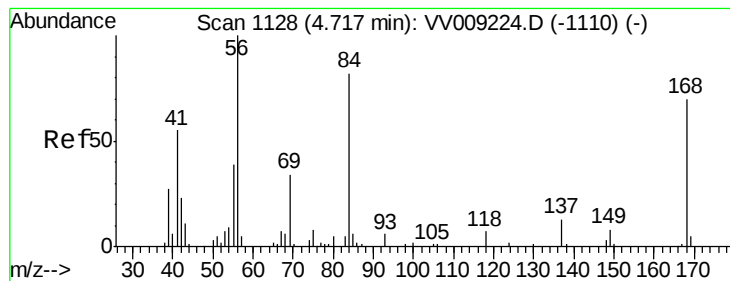
#30
Chloroform
Concen: 11.203 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 83 Resp: 24244
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VV0
Ion 84.90 (84.60 to 85.60): VV0





#31

Cyclohexane

Concen: 12.139 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

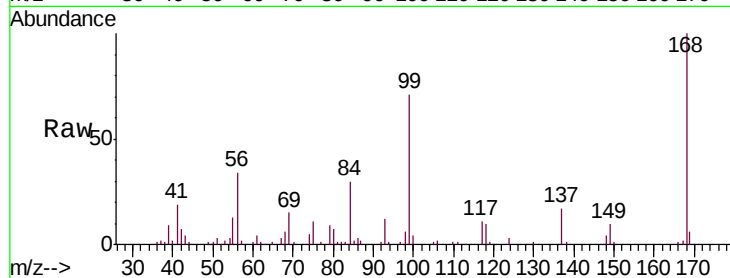
Tgt Ion: 56 Resp: 21275

Ion Ratio Lower Upper

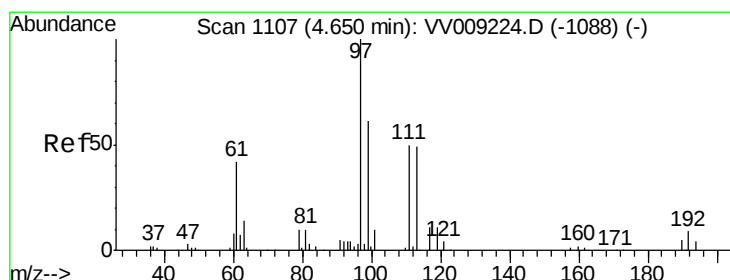
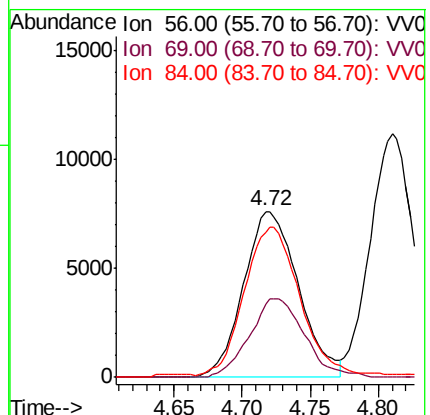
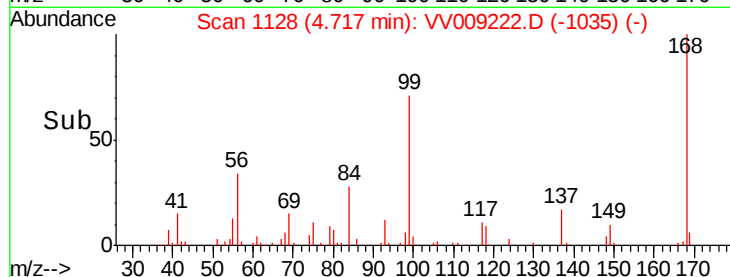
56 100

69 44.5 27.0 40.4#

84 85.9 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#32

1,1,1-Trichloroethane

Concen: 10.864 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

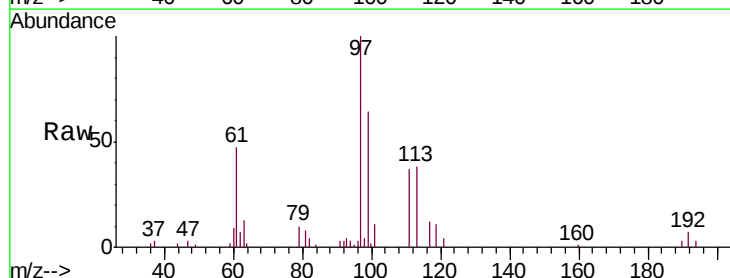
Tgt Ion: 97 Resp: 19061

Ion Ratio Lower Upper

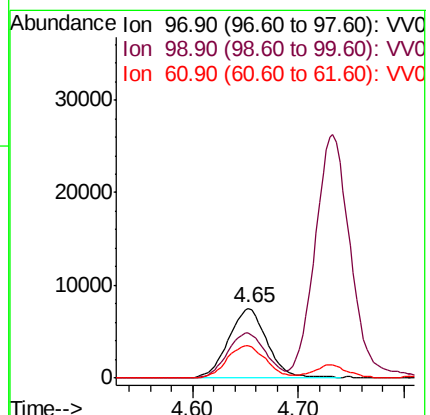
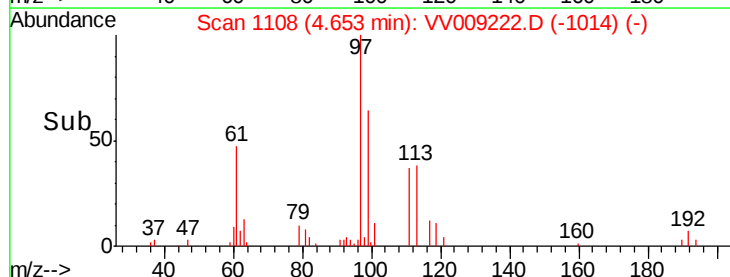
97 100

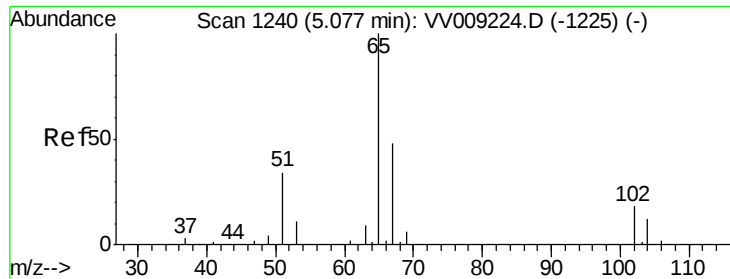
99 64.3 48.9 73.3

61 47.1 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 98.90 (98.60 to 99.60): VV0
Ion 60.90 (60.60 to 61.60): VV0

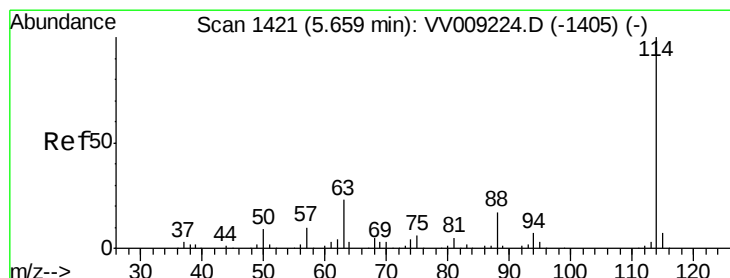
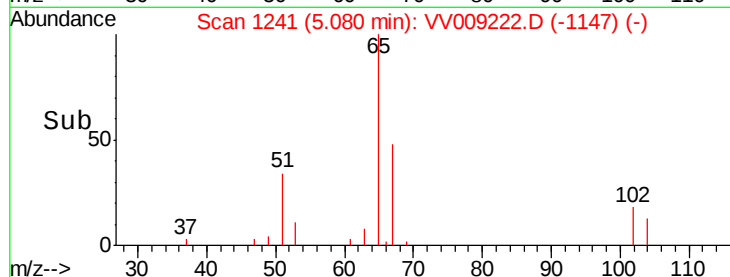
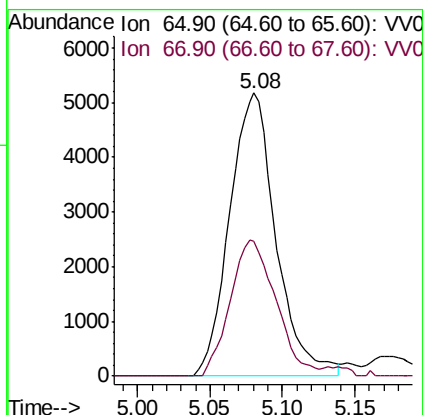
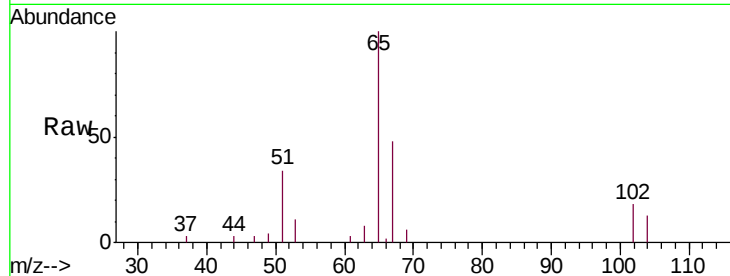




#33
 1,2-Dichloroethane-d4
 Concen: 9.466 ug/l
 RT: 5.08 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

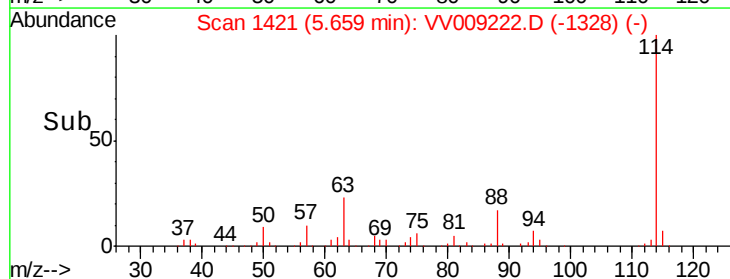
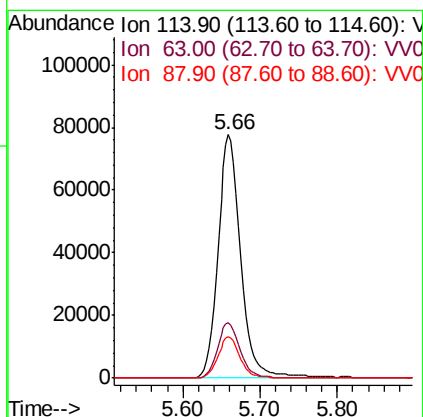
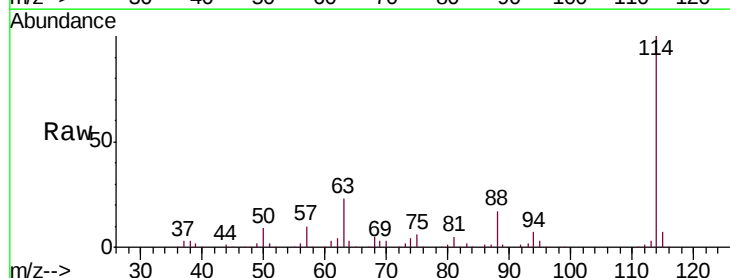
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

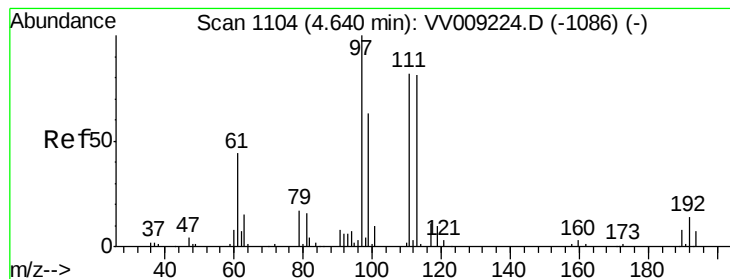
Tgt Ion: 65 Resp: 11486
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 114 Resp: 159646
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.2
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 9.208 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

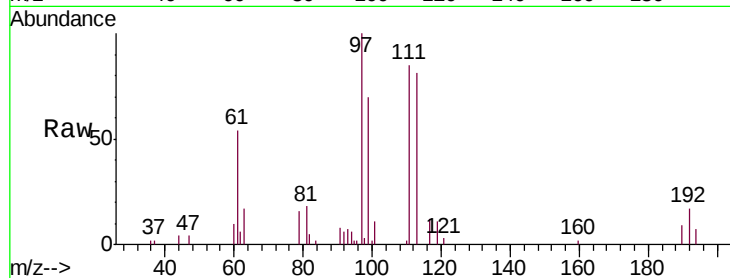
Tgt Ion:113 Resp: 9650

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

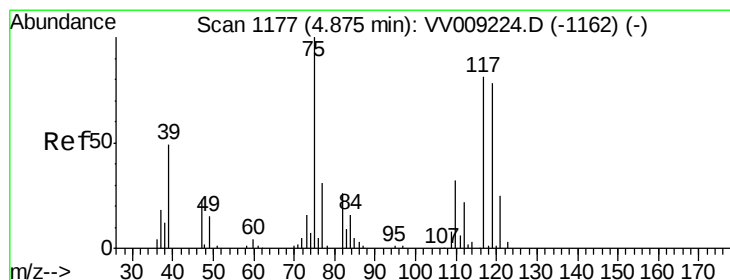
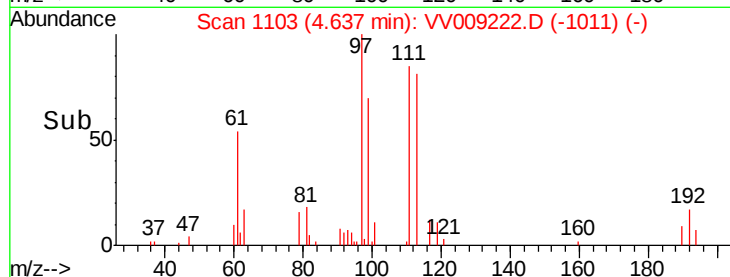
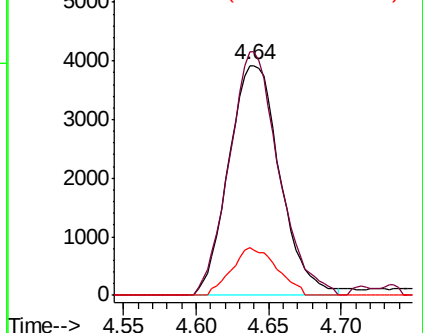
192 18.2 14.1 21.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 11.913 ug/l

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

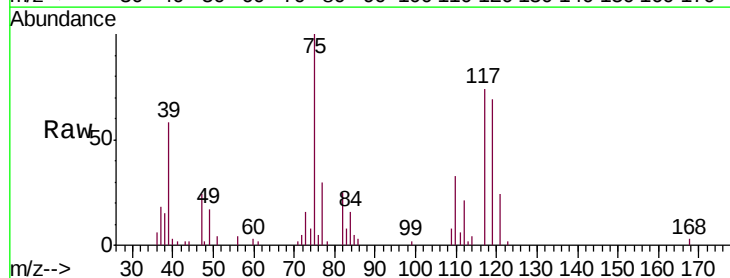
Tgt Ion: 75 Resp: 18567

Ion Ratio Lower Upper

75 100

110 31.1 17.3 51.7

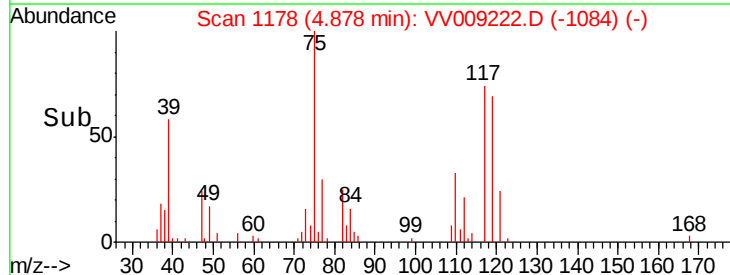
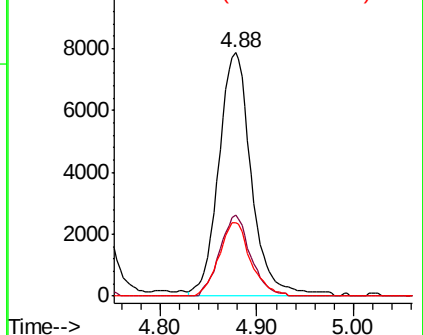
77 29.2 24.4 36.6

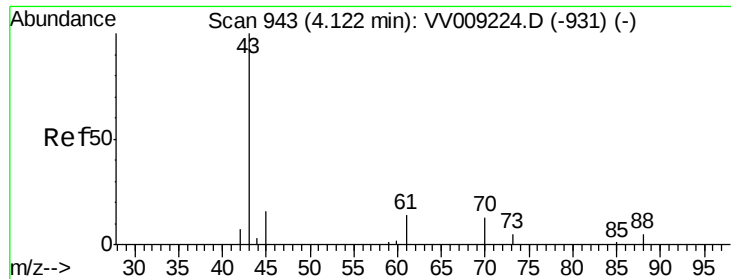


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0

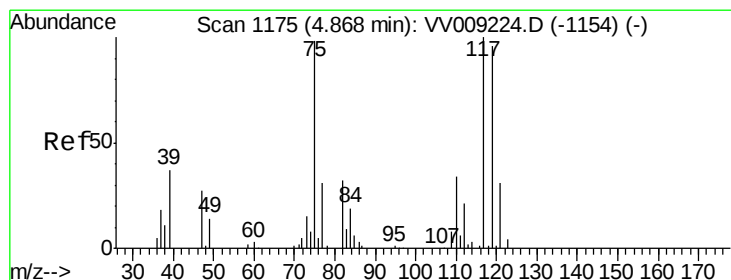
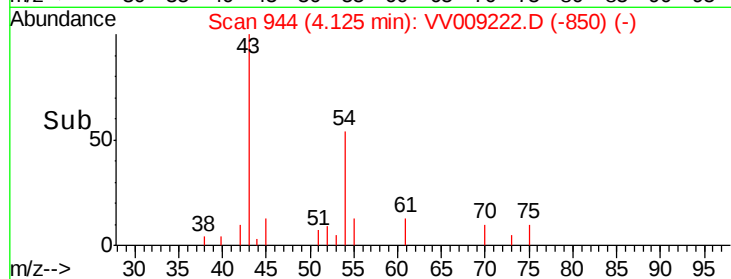
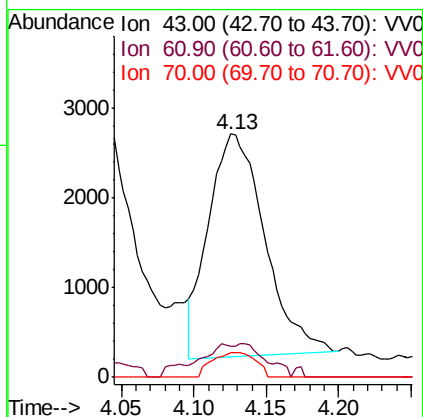
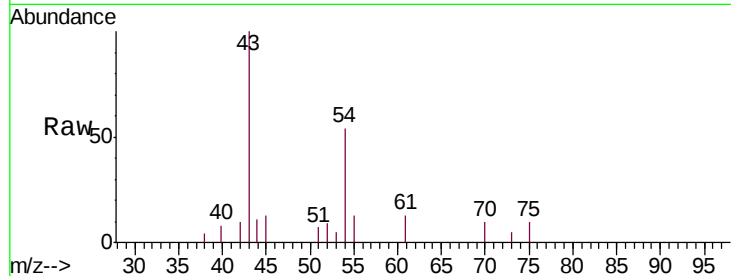




#37
Ethyl Acetate
Concen: 10.188 ug/l
RT: 4.13 min Scan# 944
Delta R.T. 0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

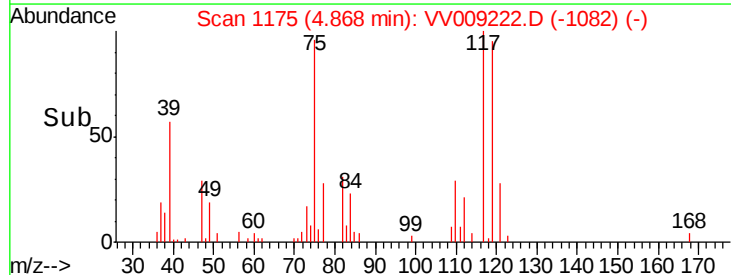
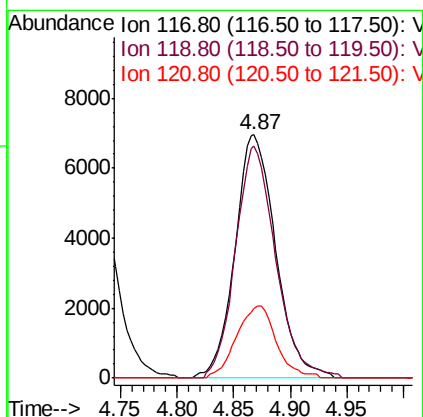
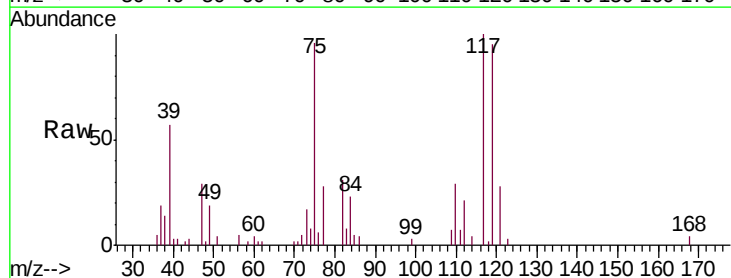
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

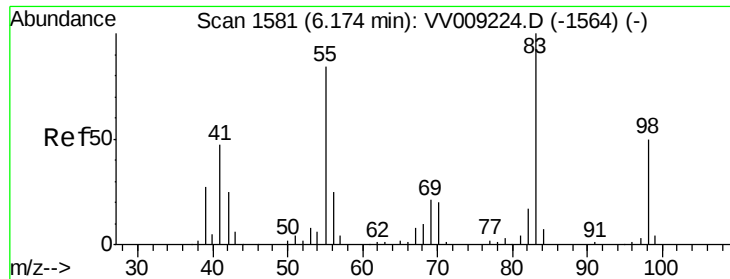
Tgt Ion: 43 Resp: 6713
Ion Ratio Lower Upper
43 100
61 9.4 9.8 14.6#
70 8.6 8.2 12.4



#38
Carbon Tetrachloride
Concen: 10.973 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 117 Resp: 17432
Ion Ratio Lower Upper
117 100
119 95.4 77.0 115.6
121 28.4 24.7 37.1

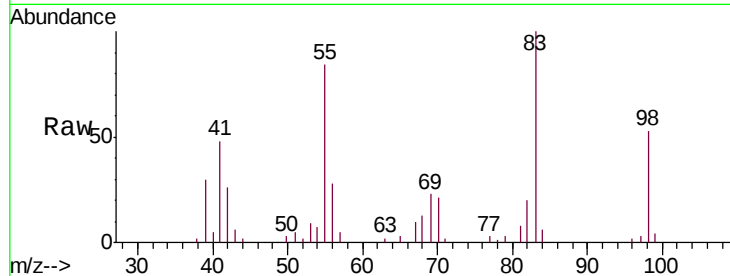




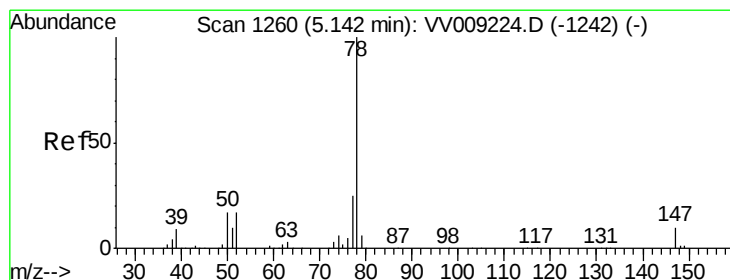
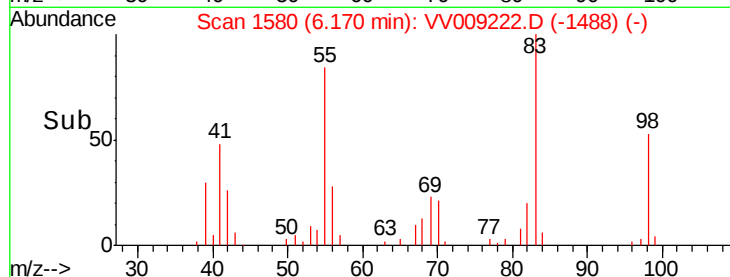
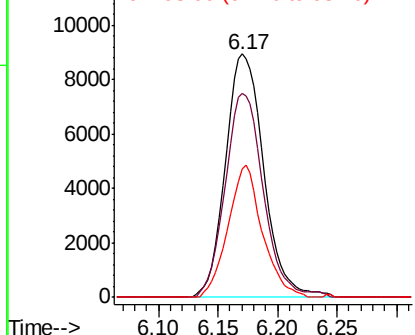
#39
Methylcyclohexane
Concen: 10.670 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 19986
Ion Ratio Lower Upper
83 100
55 83.8 67.0 100.6
98 52.6 40.2 60.2

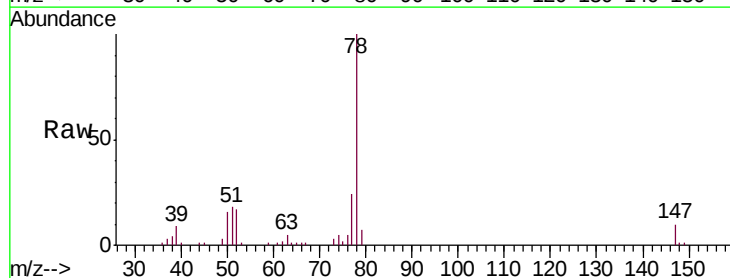


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

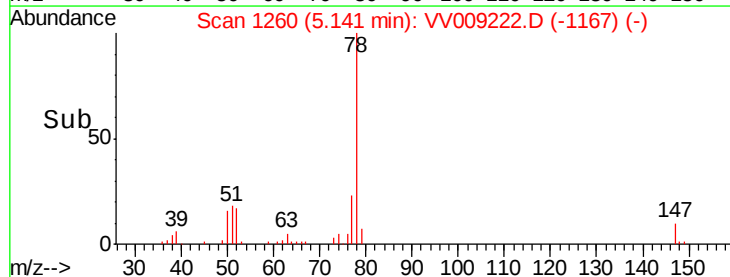
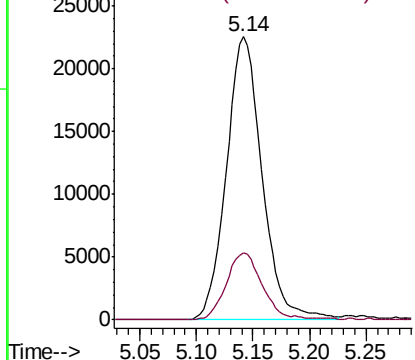


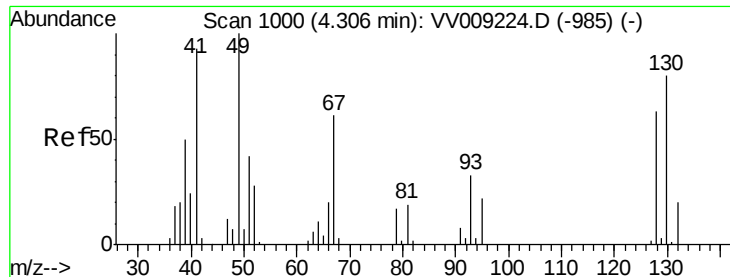
#40
Benzene
Concen: 10.940 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 78 Resp: 49602
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#41

Methacrylonitrile

Concen: 10.355 ug/l

RT: 4.31 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 4000

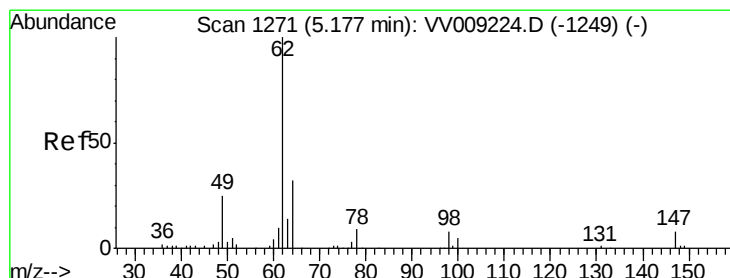
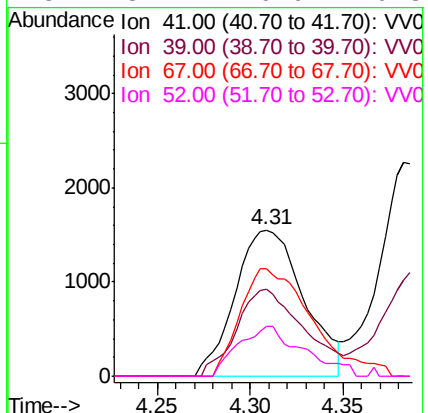
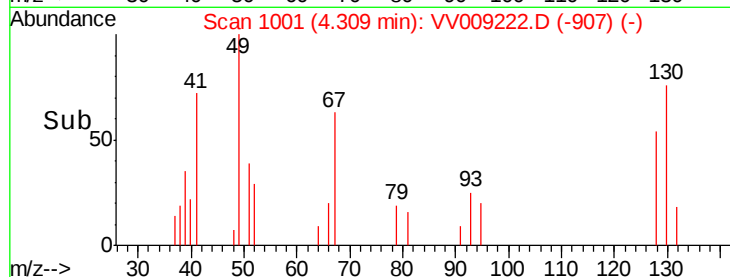
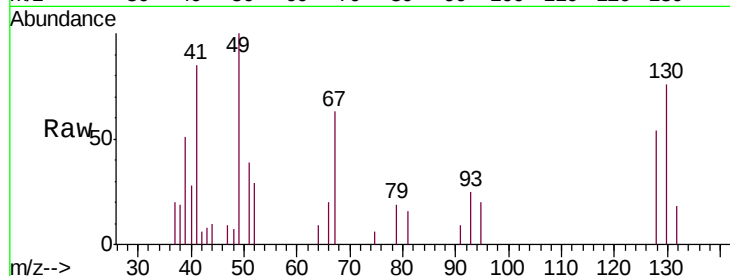
Ion Ratio Lower Upper

41 100

39 58.8 44.8 67.2

67 77.2 57.5 86.3

52 32.4 26.9 40.3



#42

1,2-Dichloroethane

Concen: 11.060 ug/l

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV009222.D

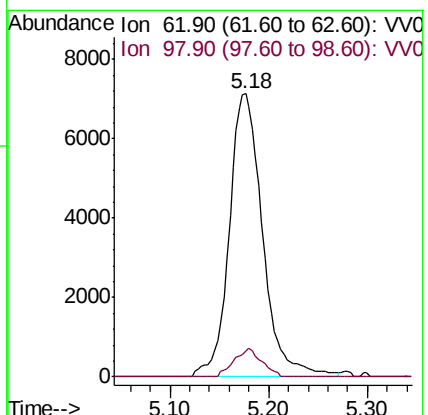
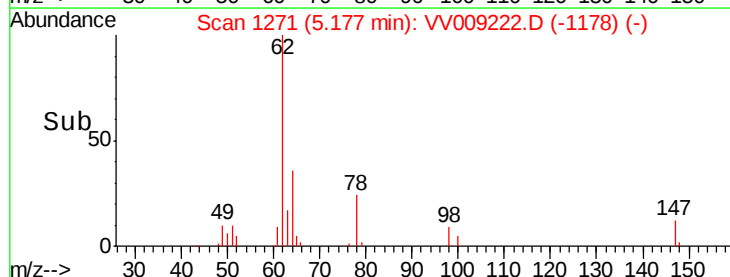
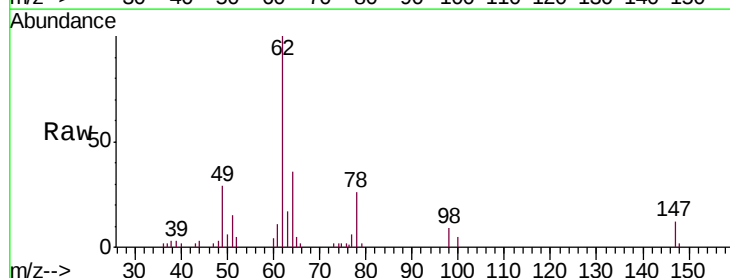
Acq: 18 Jan 2019 16:00

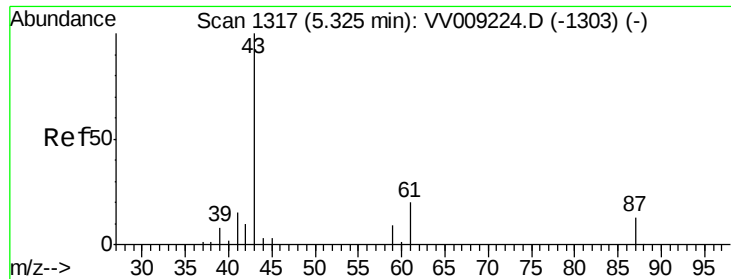
Tgt Ion: 62 Resp: 16812

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 11.330 ug/l

RT: 5.33 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

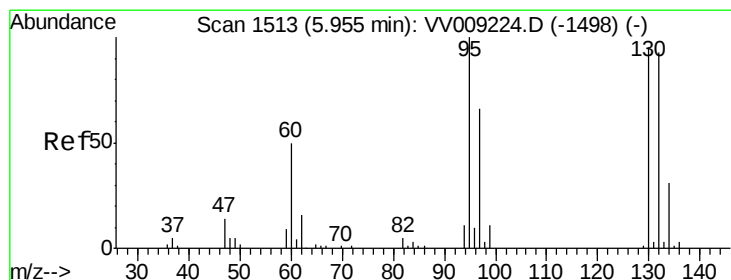
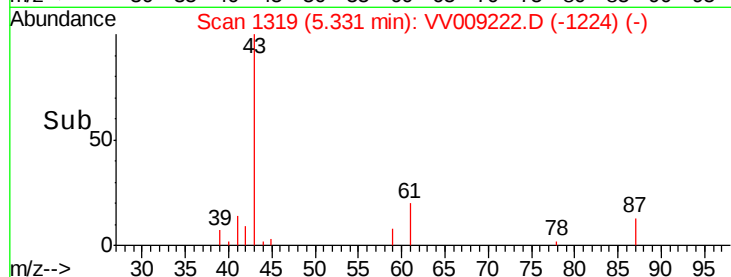
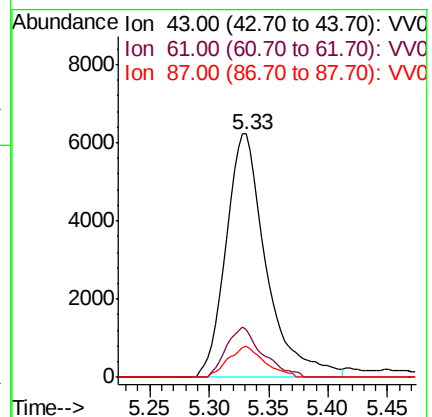
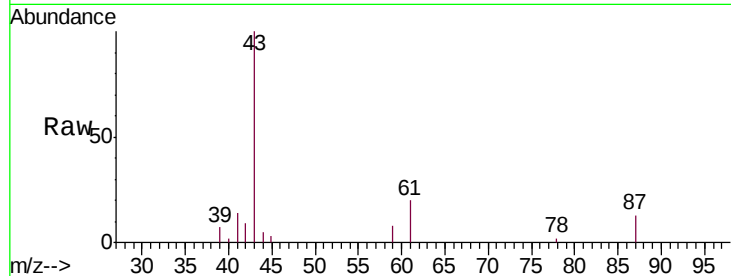
Tgt Ion: 43 Resp: 14615

Ion Ratio Lower Upper

43 100

61 18.4 15.1 22.7

87 11.4 10.0 15.0



#44

Trichloroethene

Concen: 11.639 ug/l

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009222.D

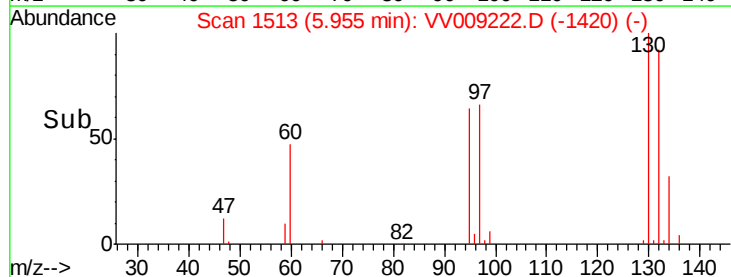
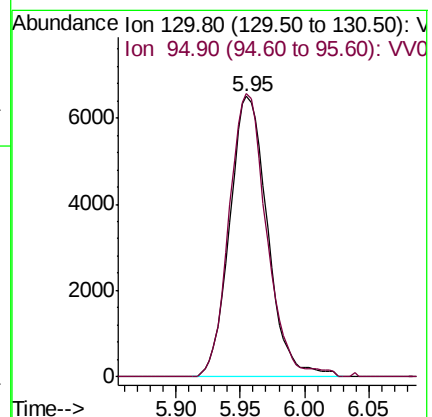
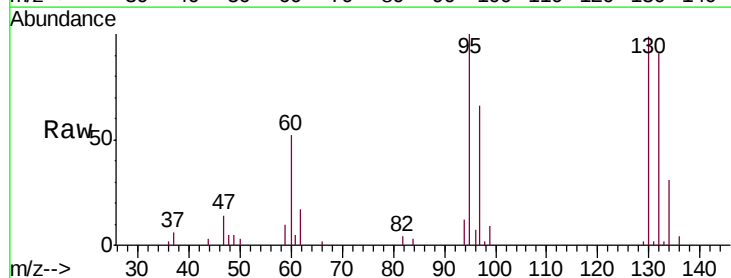
Acq: 18 Jan 2019 16:00

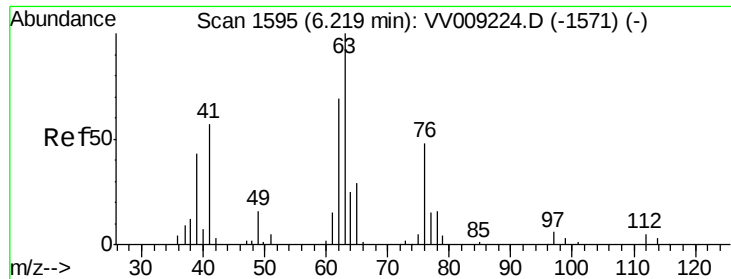
Tgt Ion: 130 Resp: 13269

Ion Ratio Lower Upper

130 100

95 100.9 0.0 209.4





#45

1,2-Dichloropropane

Concen: 10.923 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

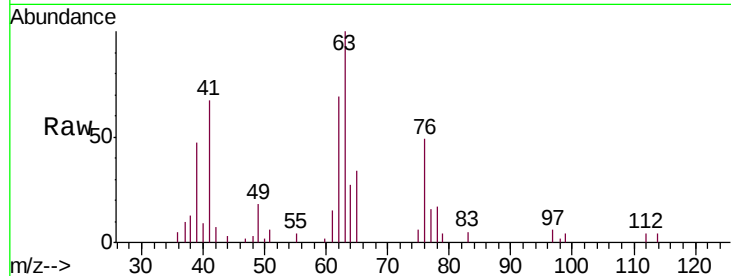
VSTDIC010

Tgt Ion: 63 Resp: 12363

Ion Ratio Lower Upper

63 100

65 33.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VV009222.D (-1571) (-)

Ion 64.90 (64.60 to 65.60): VV009222.D (-1571) (-)

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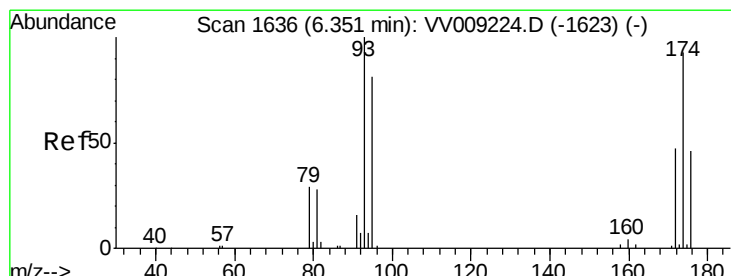
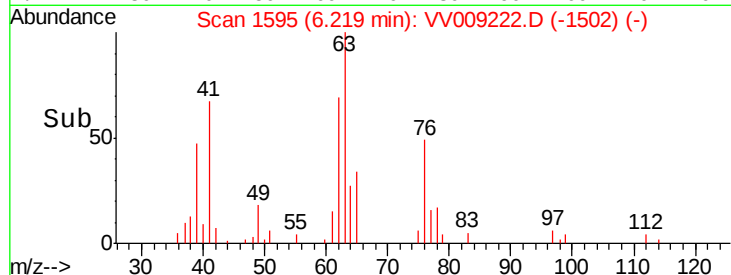
6.22

6.22

6.22

6.22

6.22



#46

Dibromomethane

Concen: 11.200 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

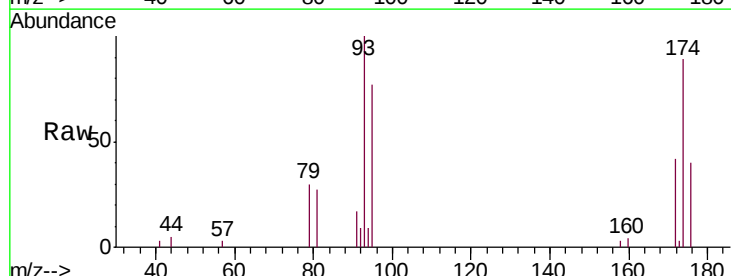
Tgt Ion: 93 Resp: 6695

Ion Ratio Lower Upper

93 100

95 77.9 66.2 99.4

174 87.0 73.0 109.6



Abundance Ion 92.80 (92.50 to 93.50): VV009222.D (-1623) (-)

Ion 94.80 (94.50 to 95.50): VV009222.D (-1623) (-)

Ion 173.70 (173.40 to 174.40): VV009222.D (-1623) (-)

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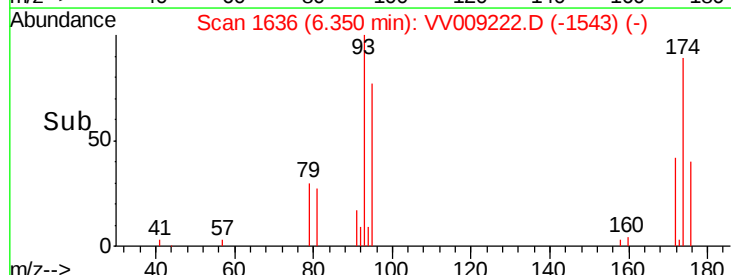
6.35

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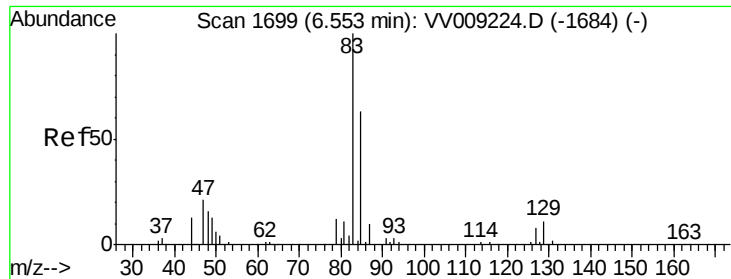
6.35

6.35

6.35

6.35

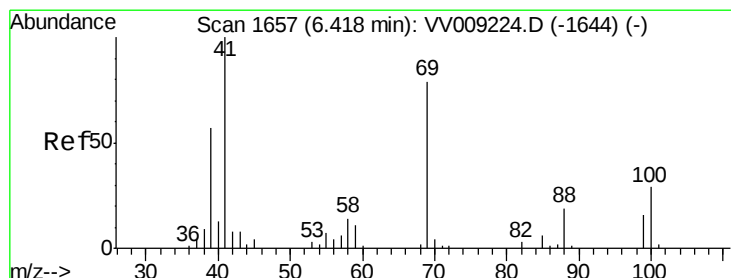
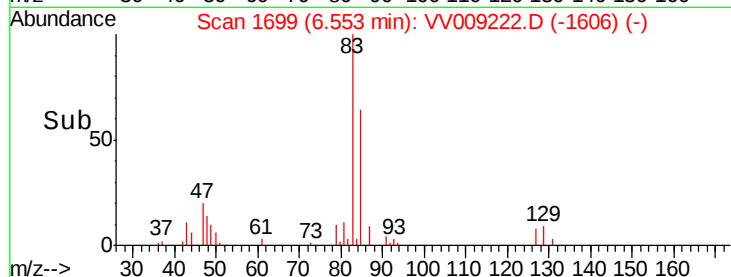
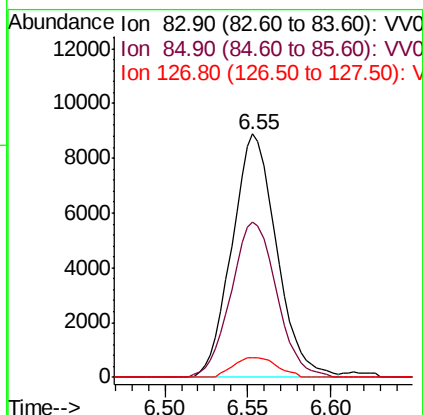
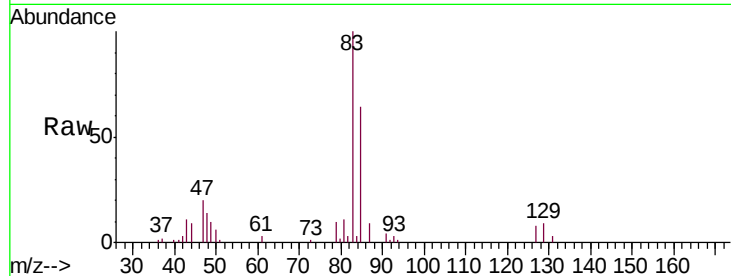
6.35



#47
 Bromodichloromethane
 Concen: 10.494 ug/l
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

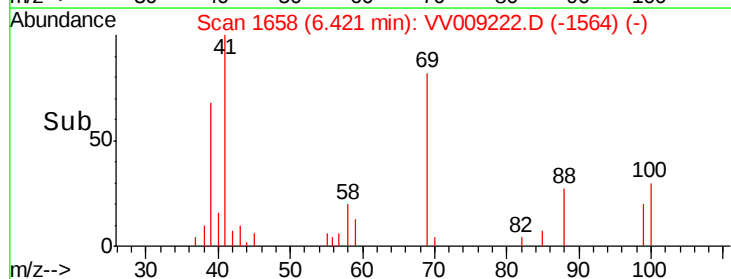
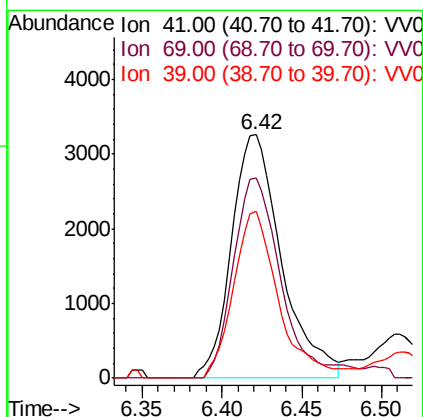
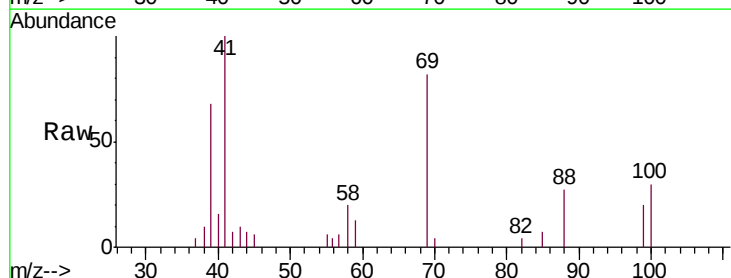
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

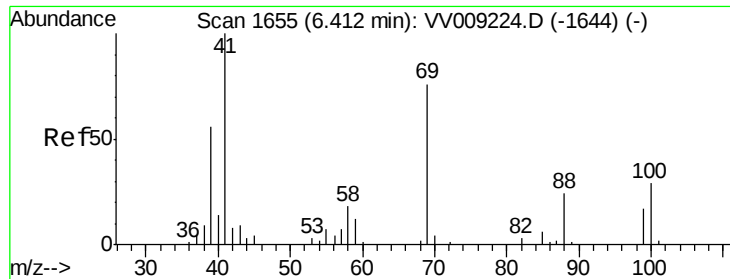
Tgt Ion: 83 Resp: 16651
 Ion Ratio Lower Upper
 83 100
 85 64.0 50.6 75.8
 127 8.2 6.5 9.7



#48
 Methyl methacrylate
 Concen: 10.313 ug/l
 RT: 6.42 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 41 Resp: 6981
 Ion Ratio Lower Upper
 41 100
 69 75.8 62.2 93.4
 39 60.9 44.7 67.1

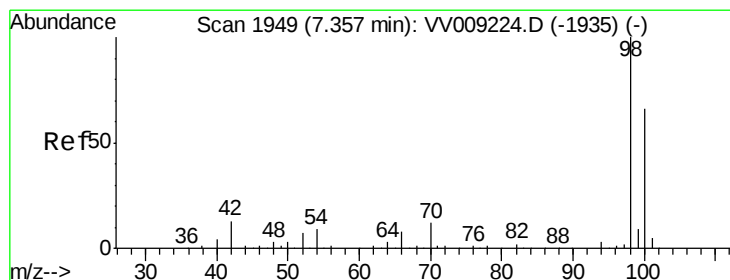
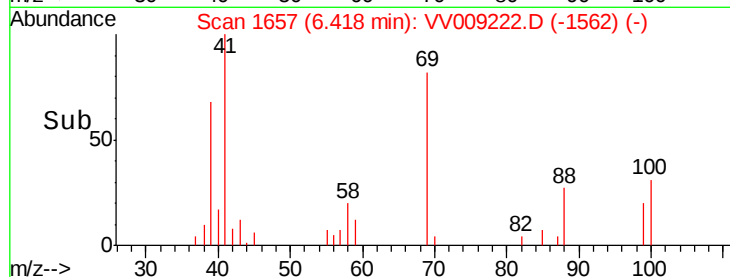
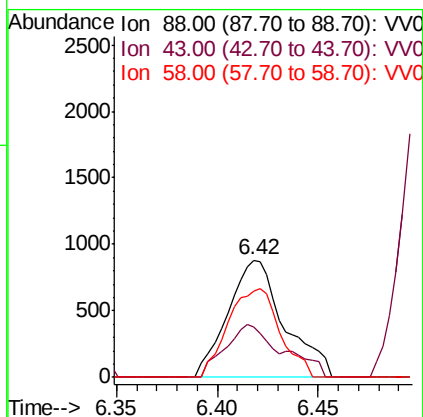
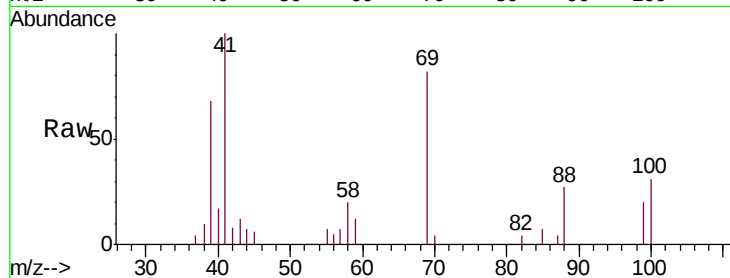




#49
1,4-Dioxane
Concen: 213.754 ug/l
RT: 6.42 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

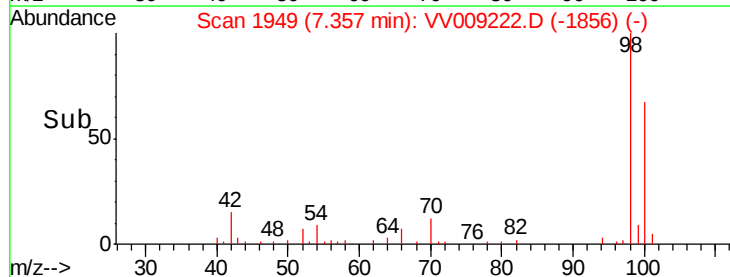
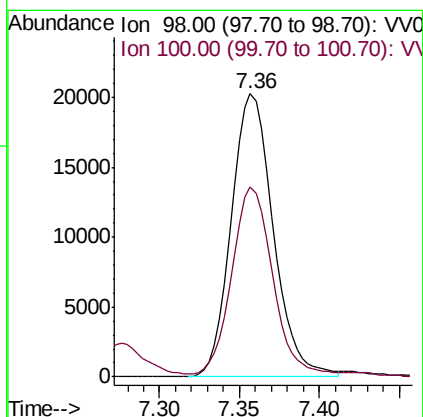
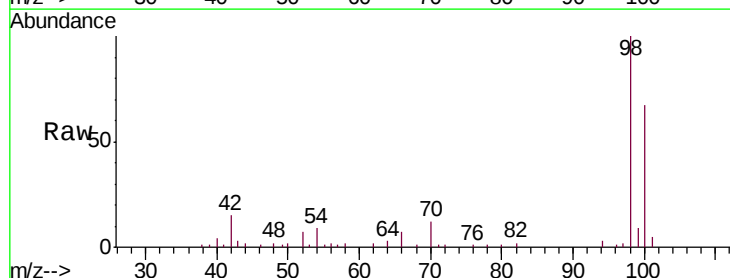
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

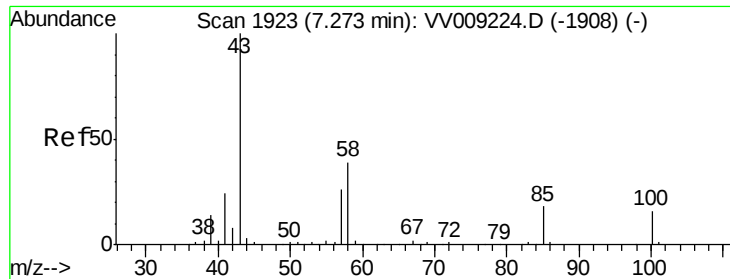
Tgt Ion: 88 Resp: 1718
Ion Ratio Lower Upper
88 100
43 45.8 31.3 46.9
58 69.6 59.6 89.4



#50
Toluene-d8
Concen: 9.146 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 98 Resp: 36290
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 51.780 ug/l

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

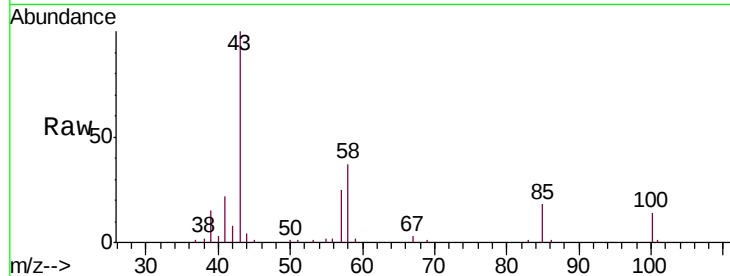
VSTDIC010

Tgt Ion: 43 Resp: 34926

Ion Ratio Lower Upper

43 100

58 36.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VV009222.D (-1830) (-)

Ion 58.00 (57.70 to 58.70): VV009222.D (-1830) (-)

7.28

15000

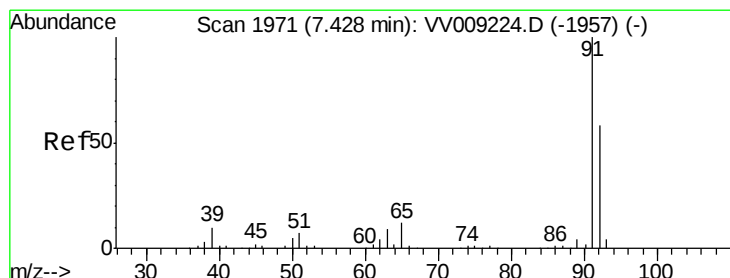
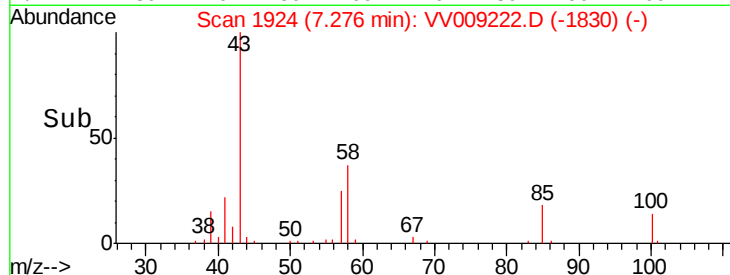
10000

5000

0

7.20 7.25 7.30 7.35 7.40

Time-->



#52

Toluene

Concen: 10.843 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV009222.D

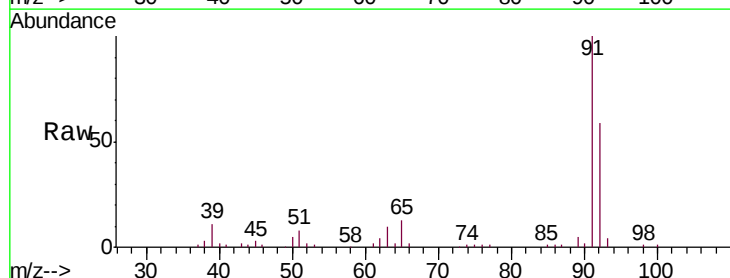
Acq: 18 Jan 2019 16:00

Tgt Ion: 92 Resp: 31169

Ion Ratio Lower Upper

92 100

91 170.5 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VV009222.D (-1878) (-)

Ion 91.00 (90.70 to 91.70): VV009222.D (-1878) (-)

7.43

30000

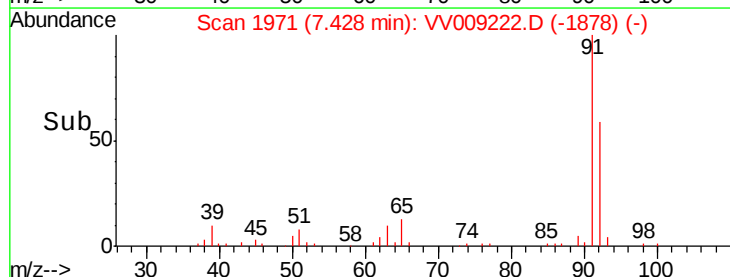
20000

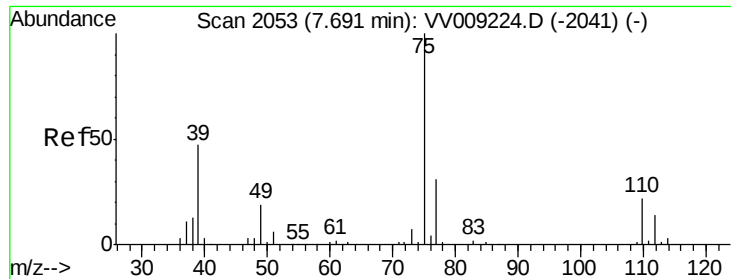
10000

0

7.35 7.40 7.45 7.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 9.910 ug/l

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

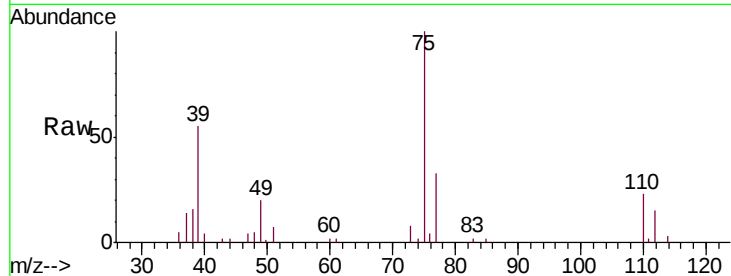
VSTDIC010

Tgt Ion: 75 Resp: 15421

Ion Ratio Lower Upper

75 100

77 32.7 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VV009222.D (-1960) (-)

Ion 76.90 (76.60 to 77.60): VV009222.D (-1960) (-)

7.69

8000

6000

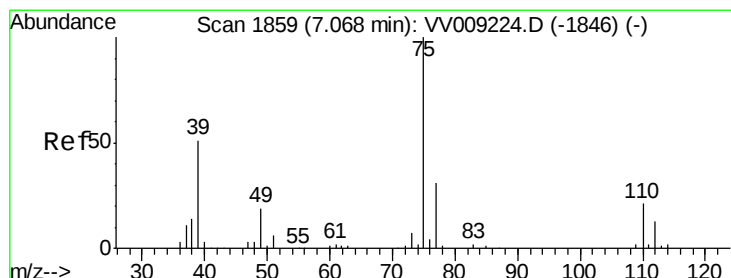
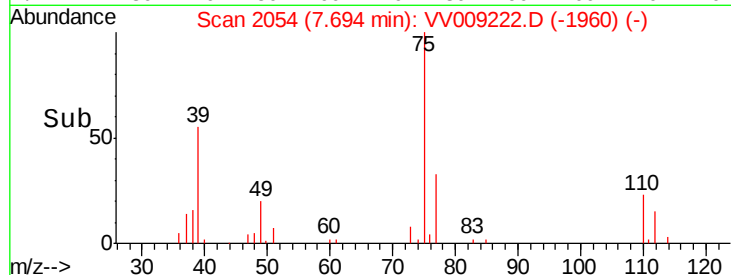
4000

2000

0

7.65 7.70 7.75 7.80

Time-->



#54

cis-1,3-Dichloropropene

Concen: 10.140 ug/l

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

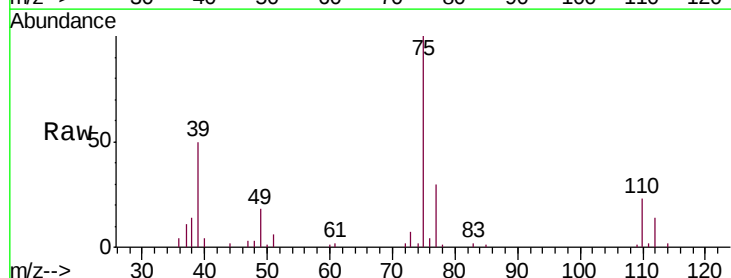
Tgt Ion: 75 Resp: 18229

Ion Ratio Lower Upper

75 100

77 30.4 24.7 37.1

39 50.3 40.8 61.2



Abundance Ion 74.90 (74.60 to 75.60): VV009222.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VV009222.D (-1766) (-)

Ion 39.00 (38.70 to 39.70): VV009222.D (-1766) (-)

7.07

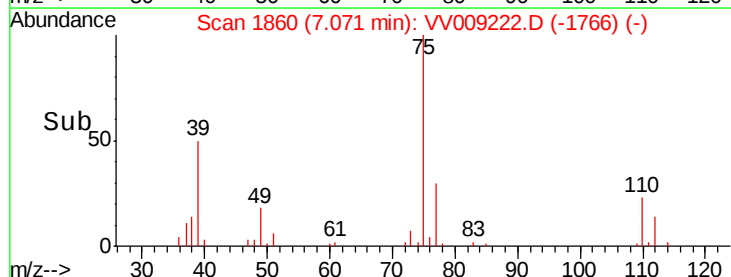
10000

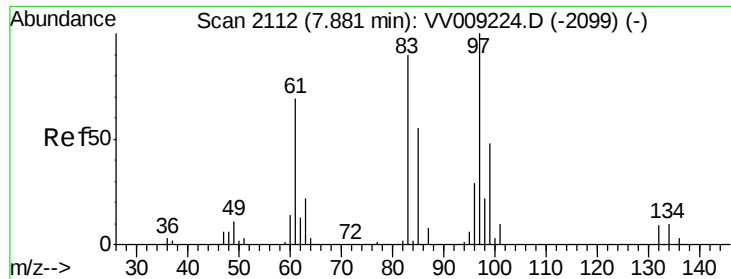
5000

0

7.00 7.05 7.10 7.15

Time-->

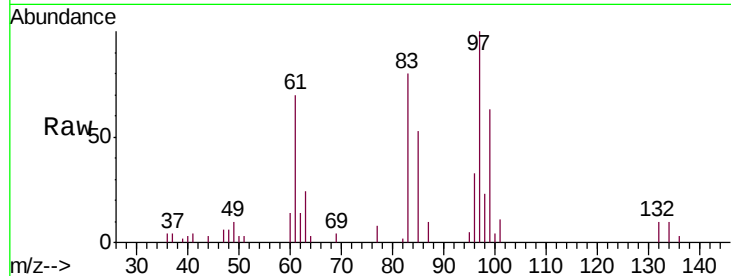




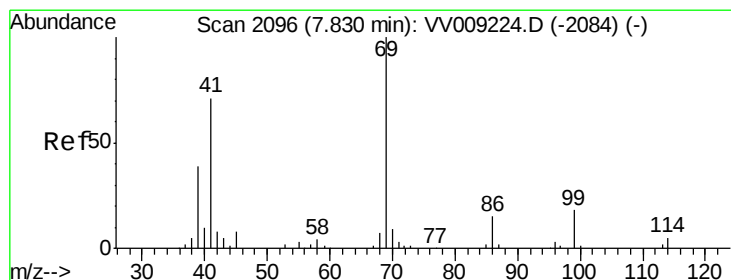
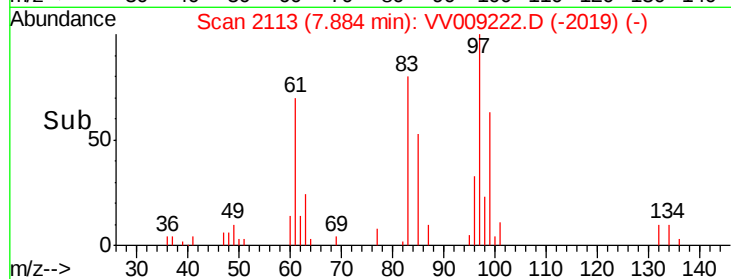
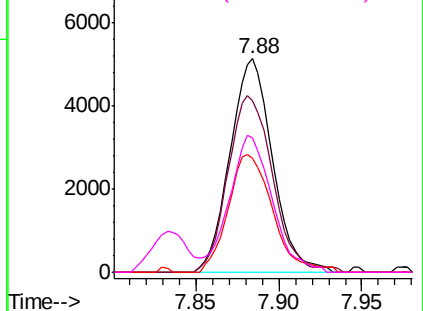
#55
 1,1,2-Trichloroethane
 Concen: 11.407 ug/l
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tgt Ion: 97 Resp: 9129
 Ion Ratio Lower Upper
 97 100
 83 80.2 71.9 107.9
 85 53.1 44.8 67.2
 99 62.9 50.9 76.3

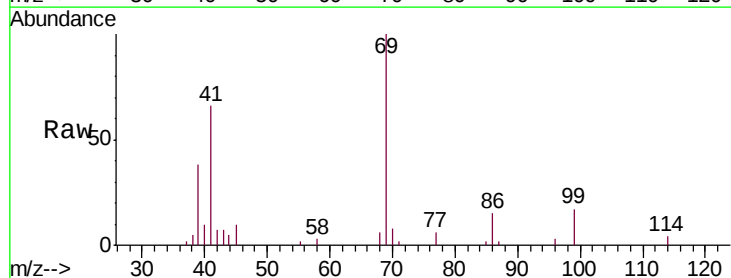


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

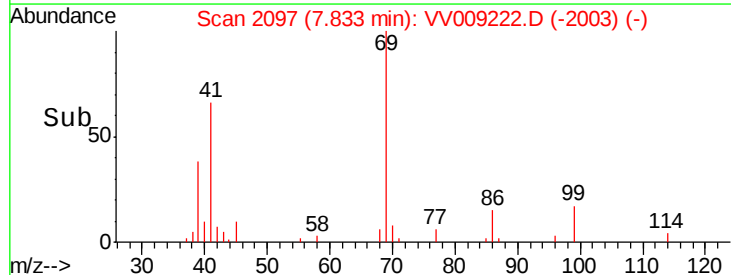
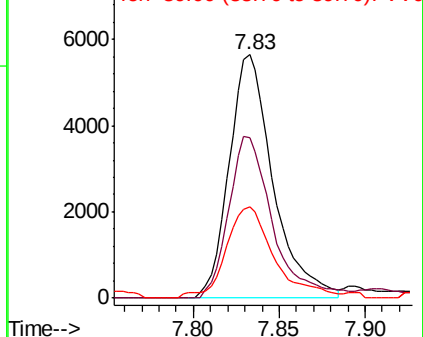


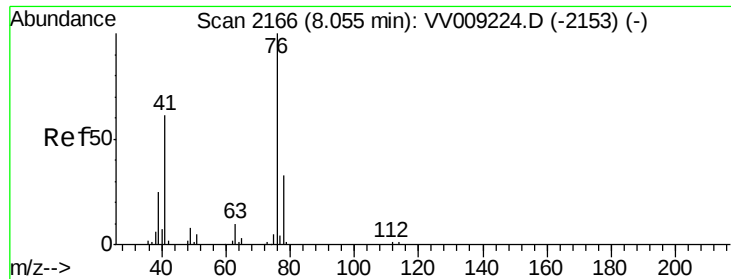
#56
 Ethyl methacrylate
 Concen: 9.963 ug/l
 RT: 7.83 min Scan# 2097
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 69 Resp: 10022
 Ion Ratio Lower Upper
 69 100
 41 66.4 55.4 83.2
 39 41.2 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VV0
 Ion 41.00 (40.70 to 41.70): VV0
 Ion 39.00 (38.70 to 39.70): VV0





#57

1,3-Dichloropropane

Concen: 10.829 ug/l

RT: 8.06 min Scan# 2167

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

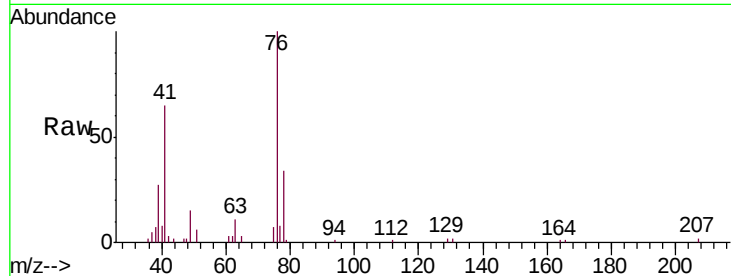
VSTDIC010

Tgt Ion: 76 Resp: 16341

Ion Ratio Lower Upper

76 100

78 33.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VV009222.D (-2153) (-)

Ion 77.90 (77.60 to 78.60): VV009222.D (-2073) (-)

8.06

10000

8000

6000

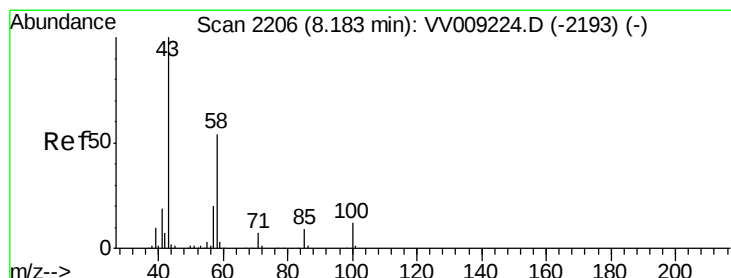
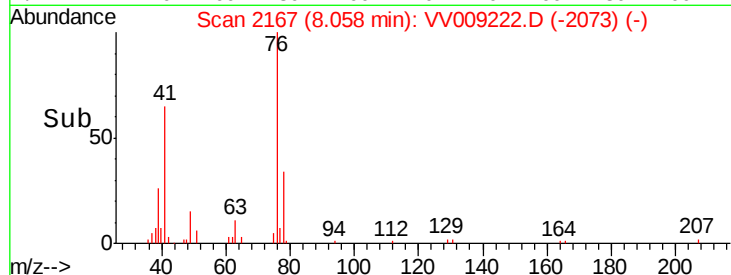
4000

2000

0

8.00 8.05 8.10 8.15

Time-->



#59

2-Hexanone

Concen: 52.784 ug/l

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV009222.D

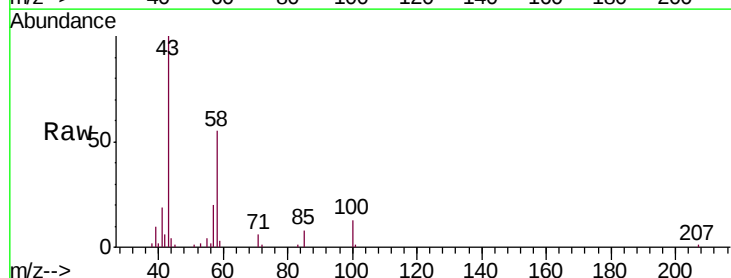
Acq: 18 Jan 2019 16:00

Tgt Ion: 43 Resp: 25524

Ion Ratio Lower Upper

43 100

58 54.0 26.3 78.9



Abundance Ion 43.00 (42.70 to 43.70): VV009222.D (-2193) (-)

Ion 58.00 (57.70 to 58.70): VV009222.D (-2113) (-)

8.19

15000

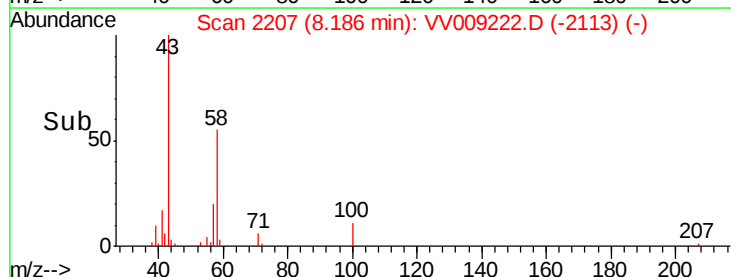
10000

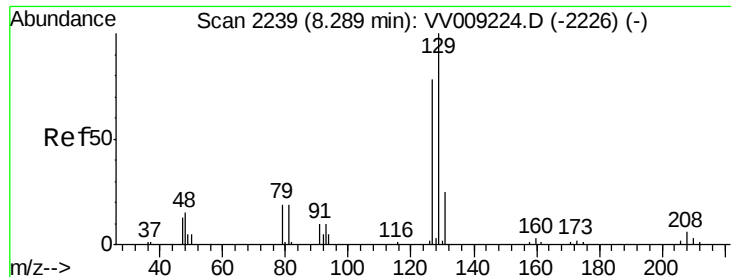
5000

0

8.10 8.15 8.20 8.25

Time-->





#60

Dibromochloromethane

Concen: 10.462 ug/l

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

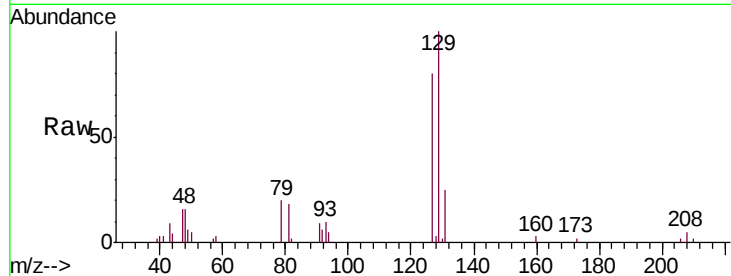
VSTDIC010

Tgt Ion:129 Resp: 10309

Ion Ratio Lower Upper

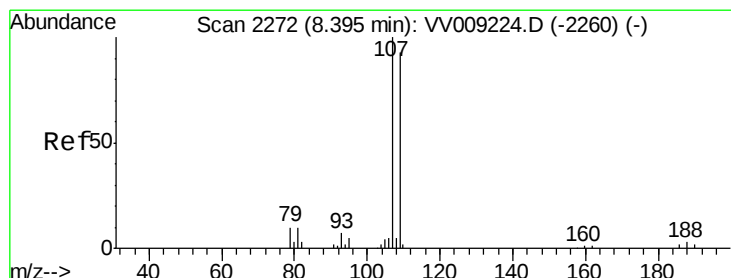
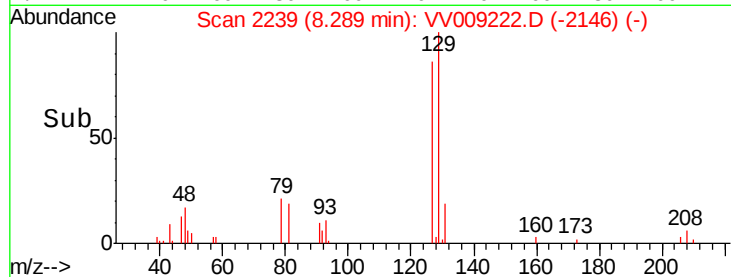
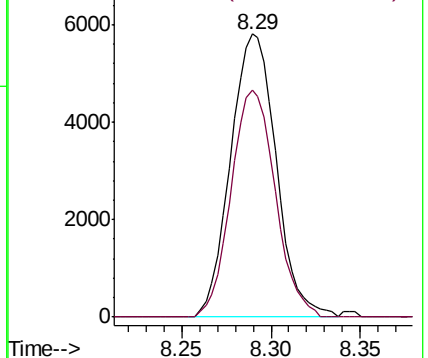
129 100

127 77.9 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 10.786 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009222.D

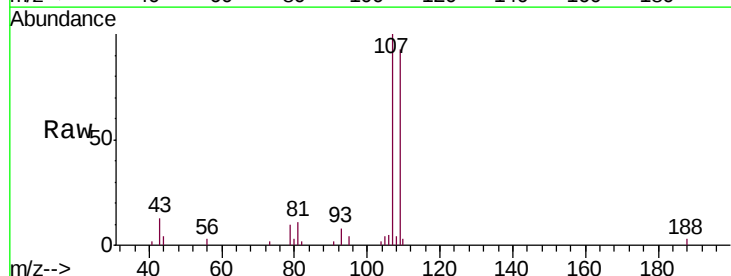
Acq: 18 Jan 2019 16:00

Tgt Ion:107 Resp: 8627

Ion Ratio Lower Upper

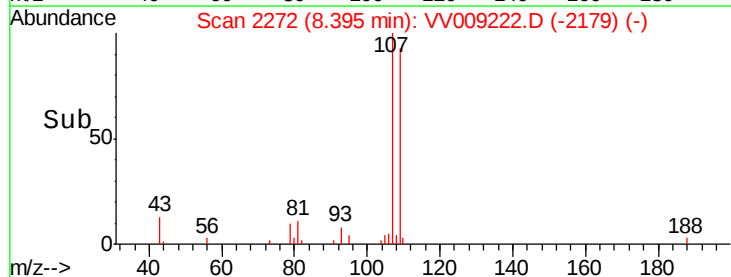
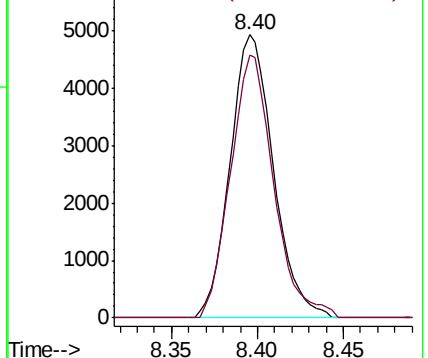
107 100

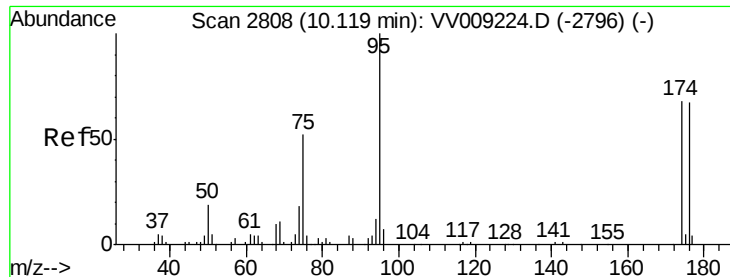
109 92.7 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 9.157 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

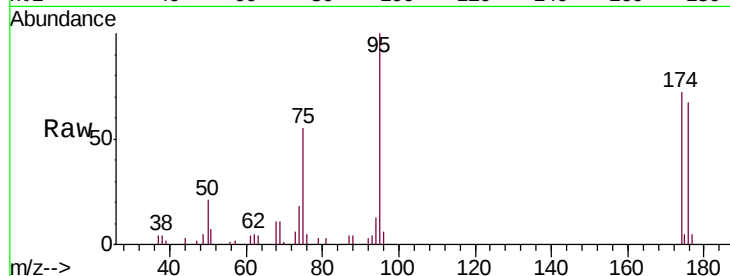
Tgt Ion: 95 Resp: 14138

Ion Ratio Lower Upper

95 100

174 71.0 0.0 141.6

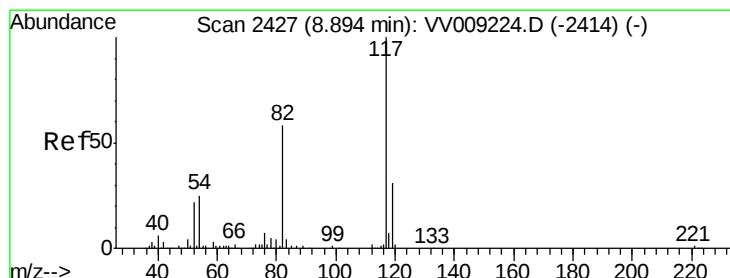
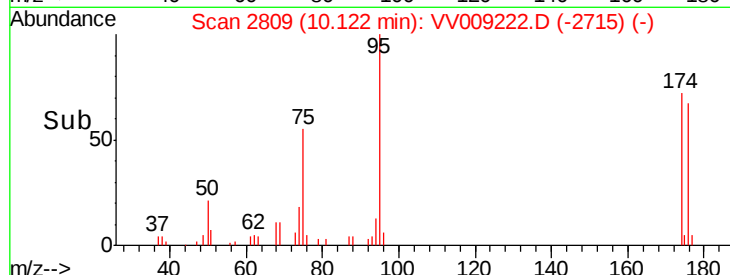
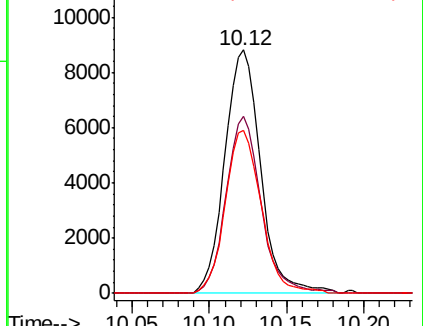
176 67.2 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VV009222.D (-2796) (-)

Ion 173.80 (173.50 to 174.50): VV009222.D (-2796) (-)

Ion 175.80 (175.50 to 176.50): VV009222.D (-2796) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.89 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

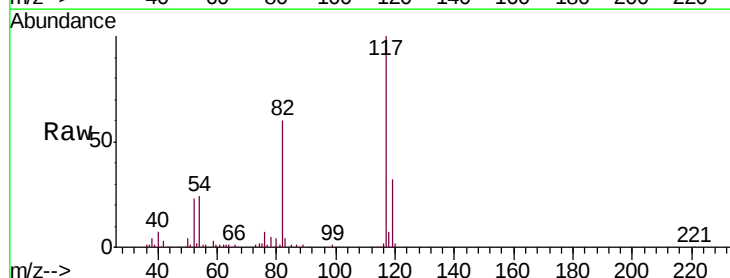
Tgt Ion: 117 Resp: 146566

Ion Ratio Lower Upper

117 100

82 60.1 46.2 69.2

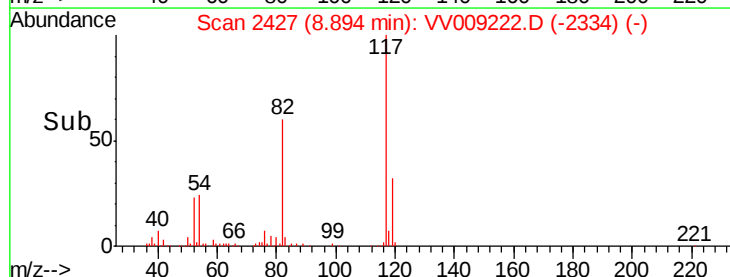
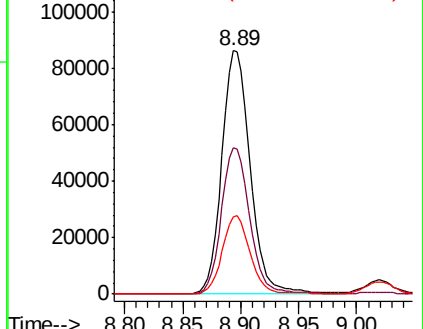
119 31.9 25.0 37.4

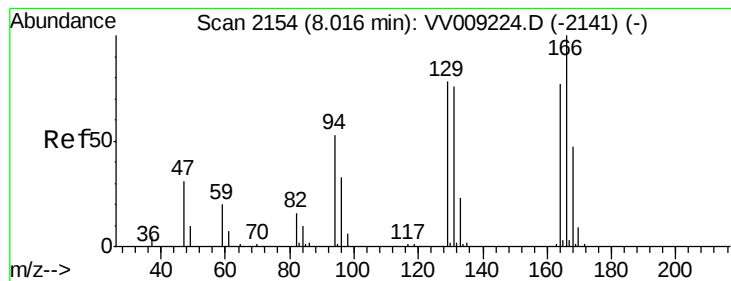


Abundance Ion 116.90 (116.60 to 117.60): VV009222.D (-2414) (-)

Ion 82.00 (81.70 to 82.70): VV009222.D (-2414) (-)

Ion 118.90 (118.60 to 119.60): VV009222.D (-2414) (-)





#64

Tetrachloroethene

Concen: 11.258 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tgt Ion:164 Resp: 10234

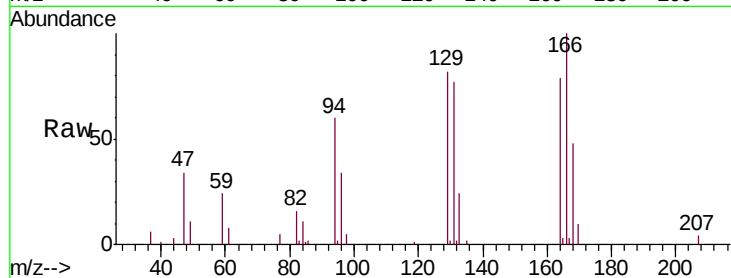
Ion Ratio Lower Upper

164 100

166 126.2 104.2 156.2

129 103.6 81.0 121.4

131 97.8 78.9 118.3

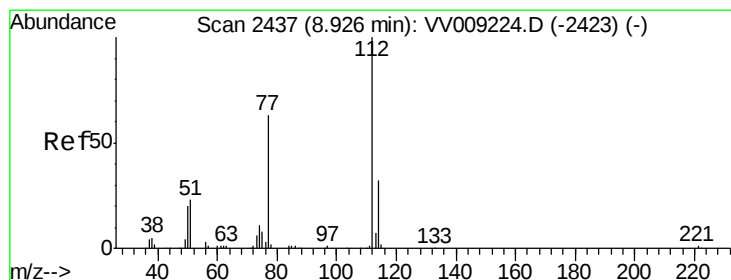
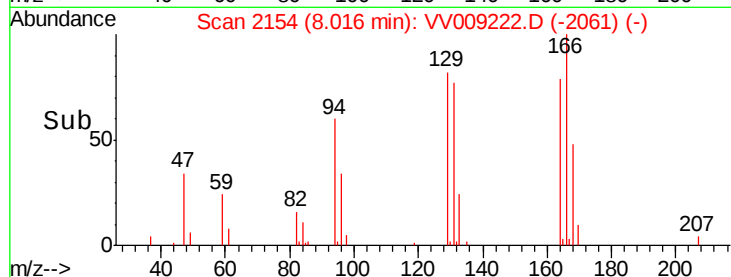
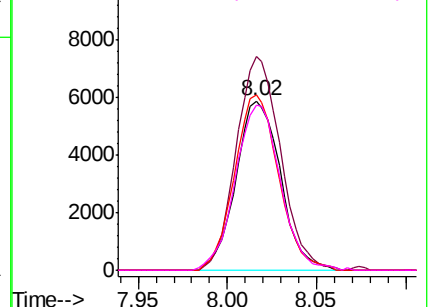


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 11.136 ug/l

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009222.D

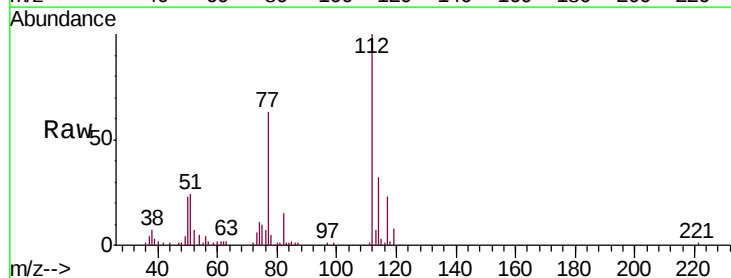
Acq: 18 Jan 2019 16:00

Tgt Ion:112 Resp: 34349

Ion Ratio Lower Upper

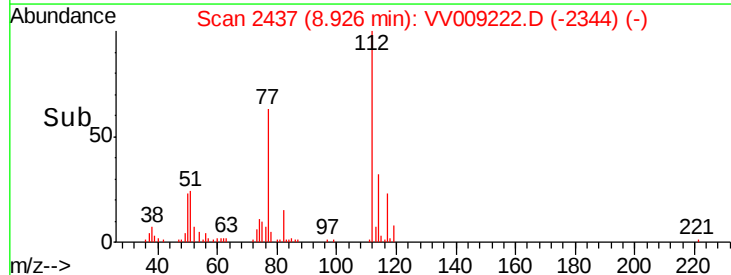
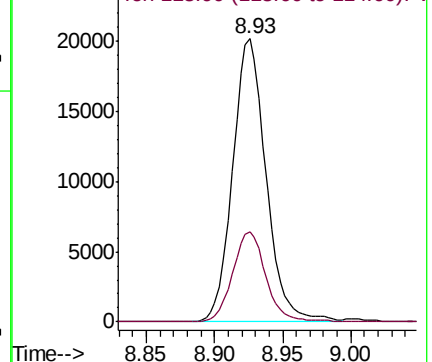
112 100

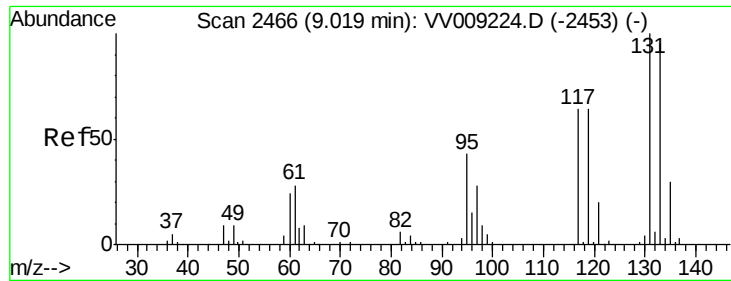
114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 10.499 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

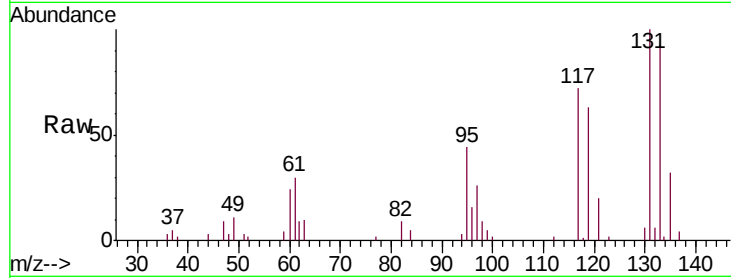
Tgt Ion:131 Resp: 11500

Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.8

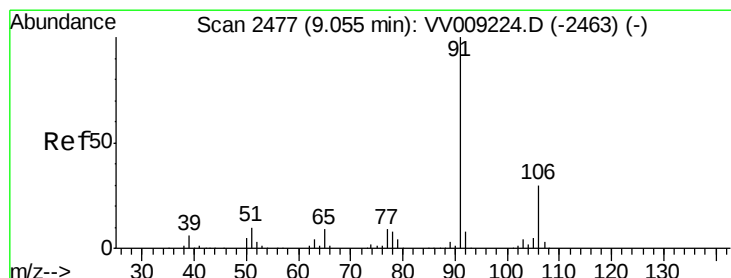
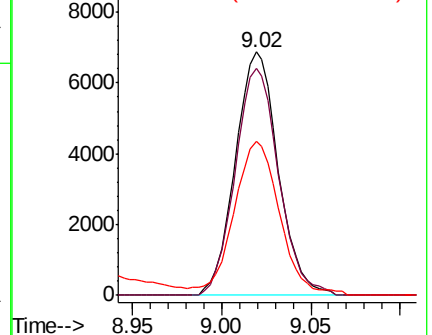
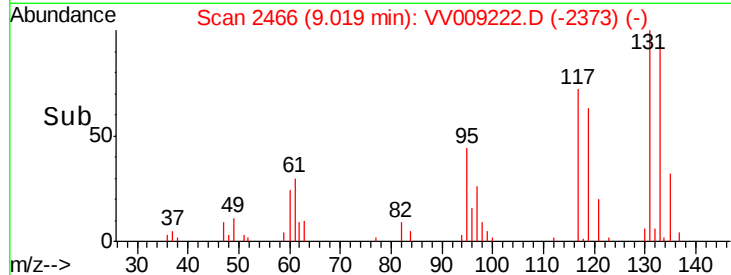
119 67.6 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 10.859 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009222.D

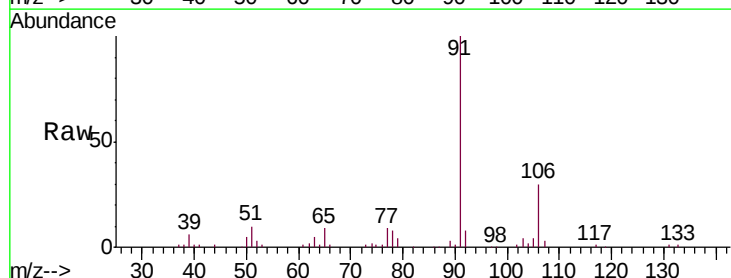
Acq: 18 Jan 2019 16:00

Tgt Ion: 91 Resp: 60395

Ion Ratio Lower Upper

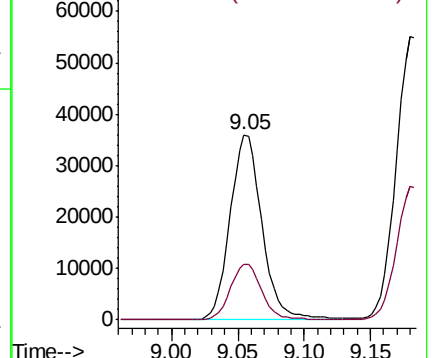
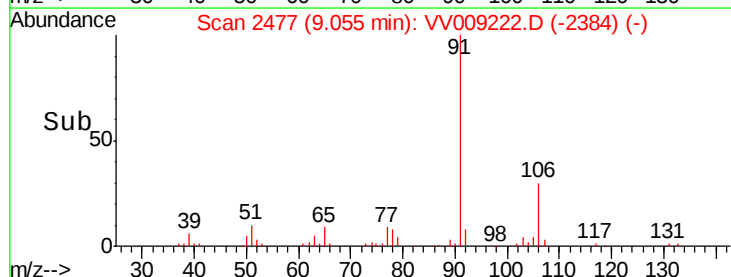
91 100

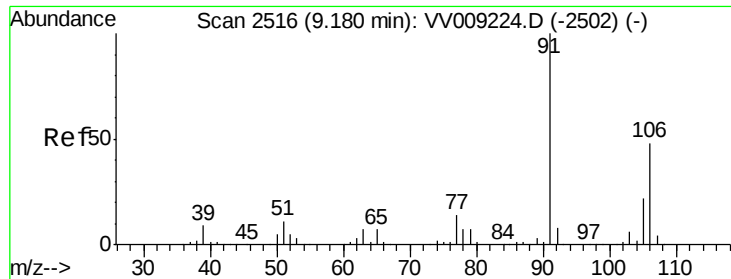
106 30.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

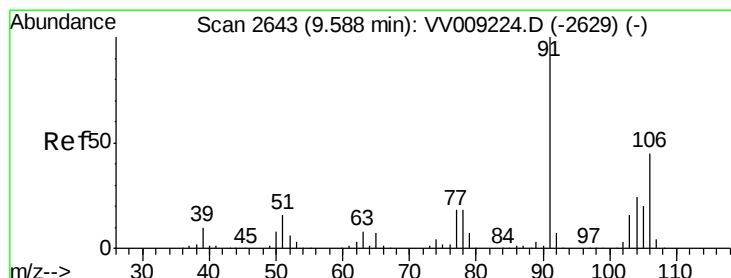
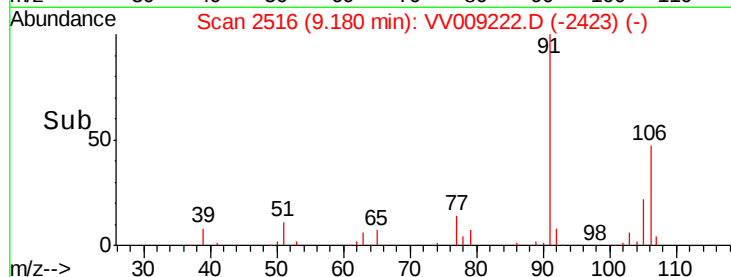
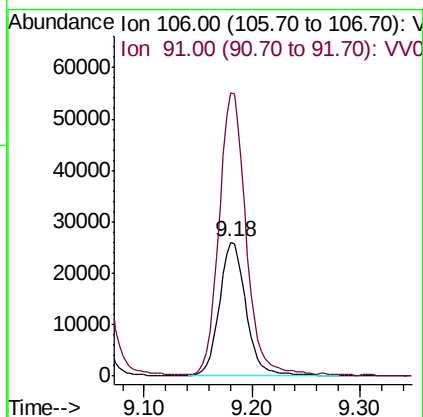
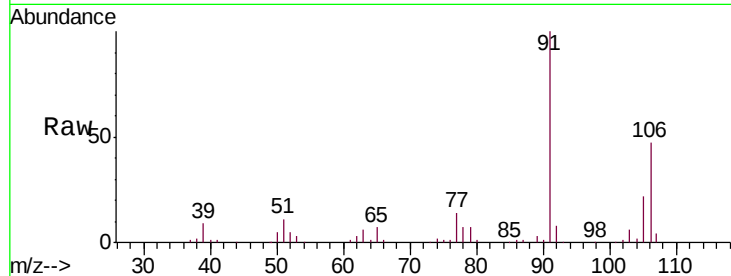




#68
m/p-Xylenes
Concen: 21.730 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

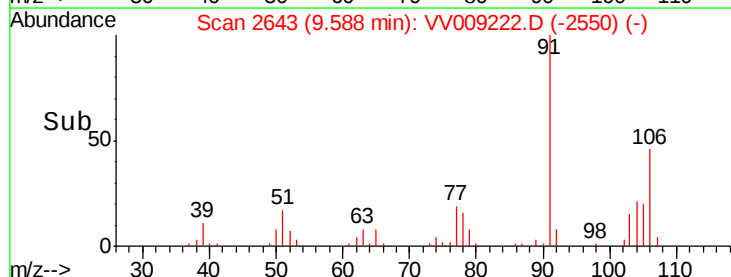
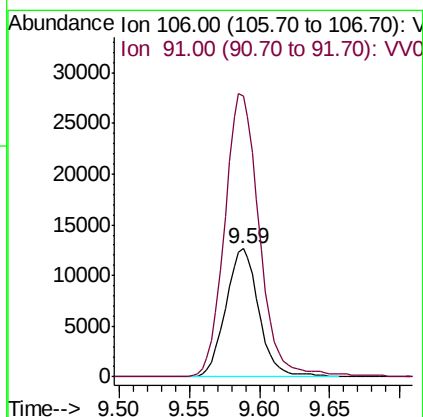
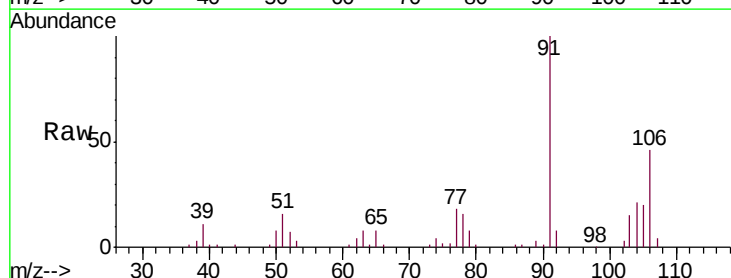
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

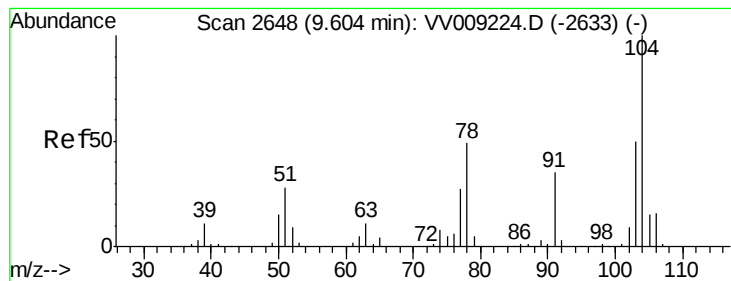
Tgt Ion:106 Resp: 45094
Ion Ratio Lower Upper
106 100
91 209.3 170.4 255.6



#69
o-Xylene
Concen: 10.409 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion:106 Resp: 20726
Ion Ratio Lower Upper
106 100
91 233.1 110.6 331.8





#70

Styrene

Concen: 9.909 ug/l

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

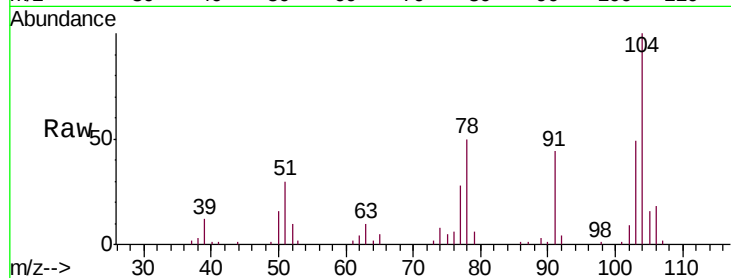
Tgt Ion:104 Resp: 32364

Ion Ratio Lower Upper

104 100

78 55.9 43.7 65.5

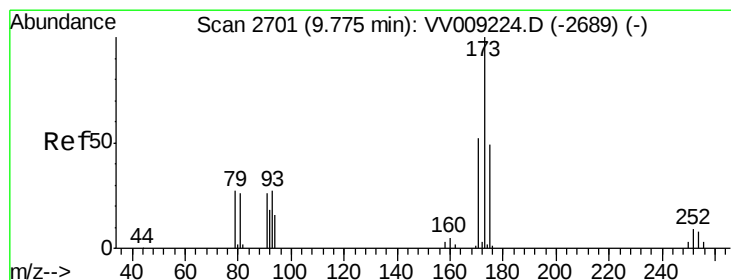
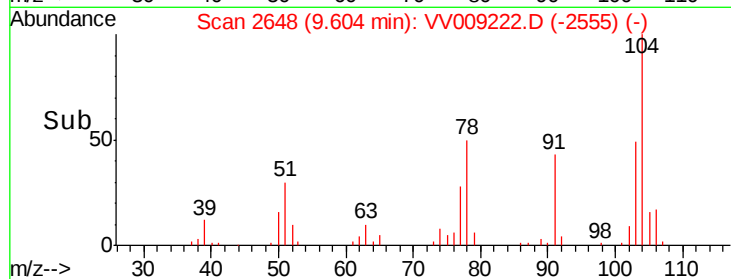
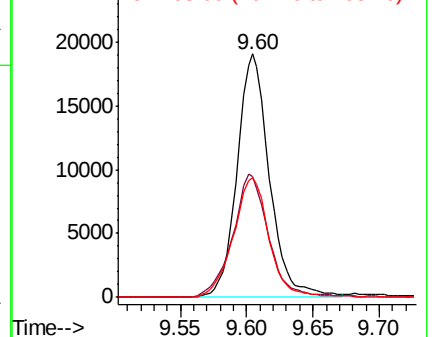
103 53.8 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 10.287 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

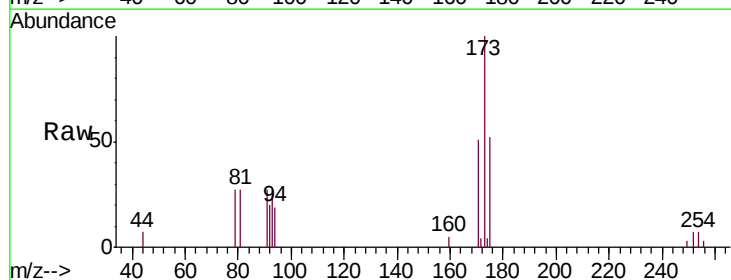
Tgt Ion:173 Resp: 5454

Ion Ratio Lower Upper

173 100

175 47.5 24.1 72.4

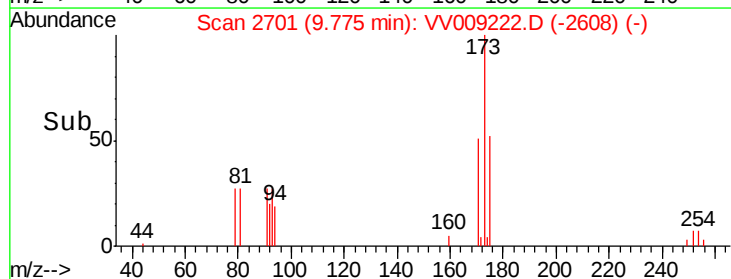
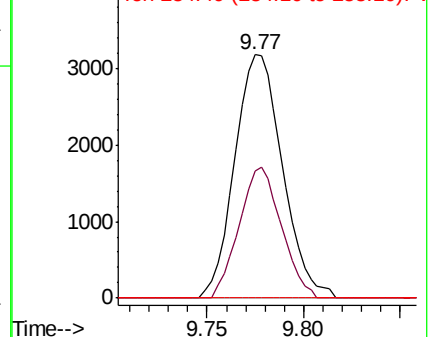
254 0.0 0.0 0.0

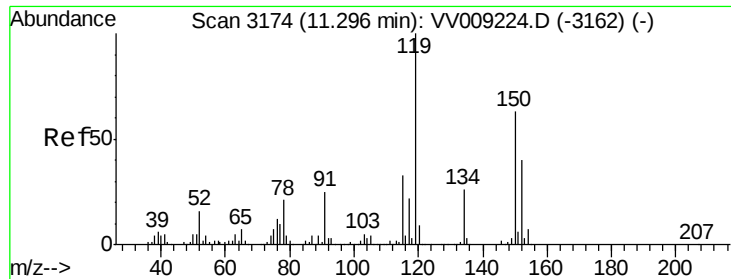


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

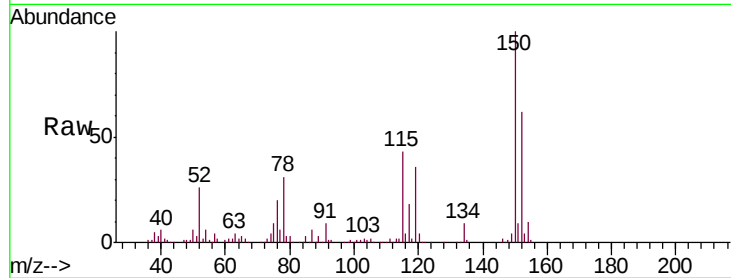
Tgt Ion:152 Resp: 73472

Ion Ratio Lower Upper

152 100

115 69.2 45.1 135.3

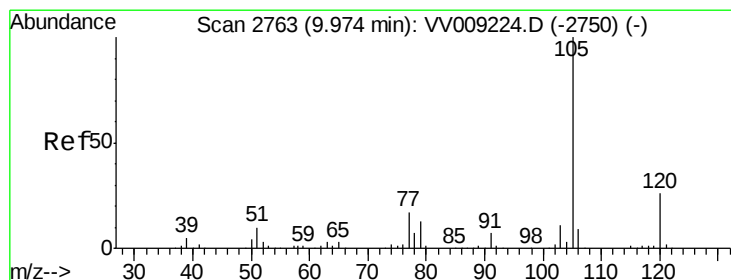
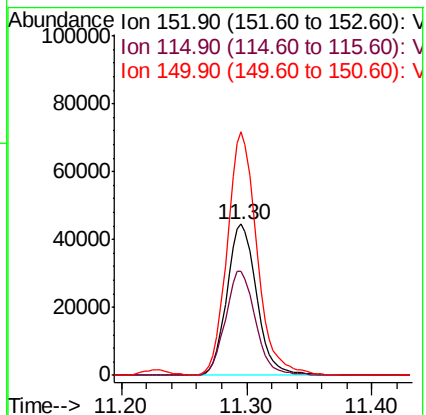
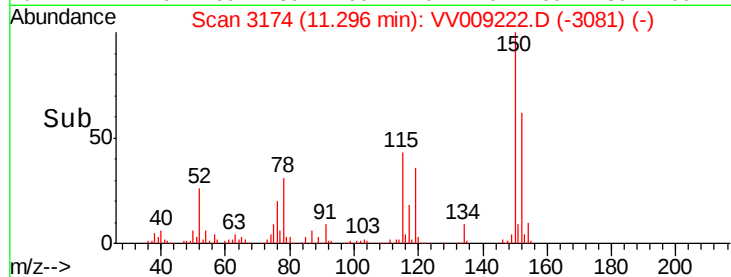
150 160.4 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 10.720 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009222.D

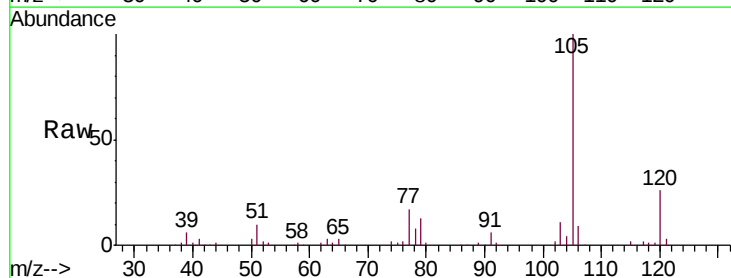
Acq: 18 Jan 2019 16:00

Tgt Ion:105 Resp: 58617

Ion Ratio Lower Upper

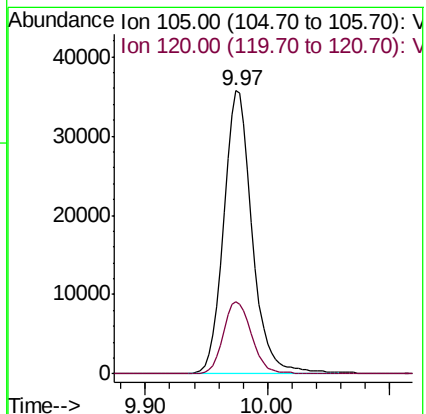
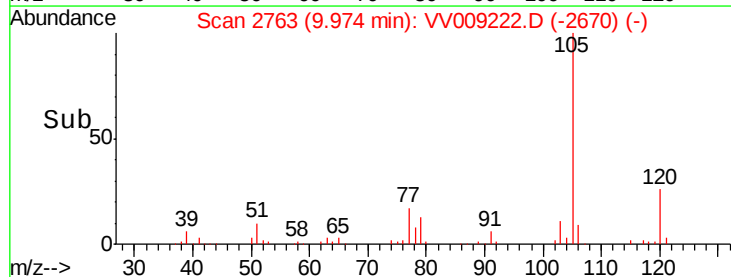
105 100

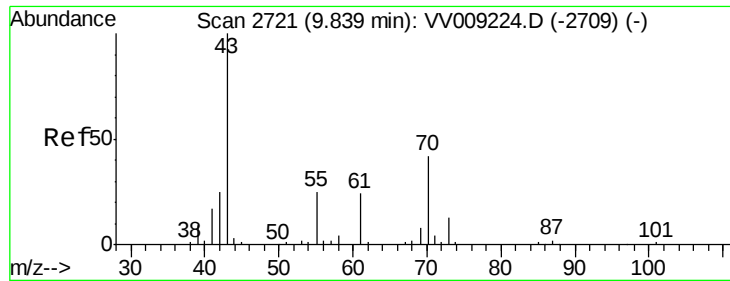
120 25.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 10.217 ug/l

RT: 9.84 min Scan# 2722

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 11873

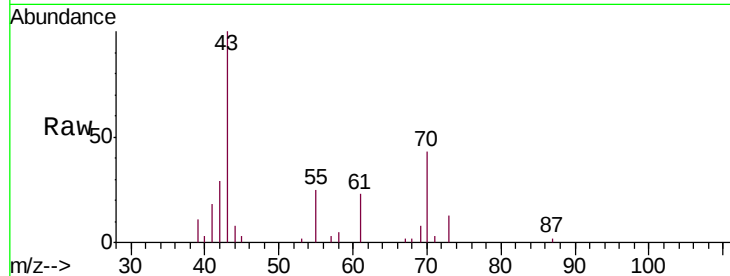
Ion Ratio Lower Upper

43 100

70 40.7 32.4 48.6

55 23.8 19.9 29.9

61 21.2 19.0 28.6

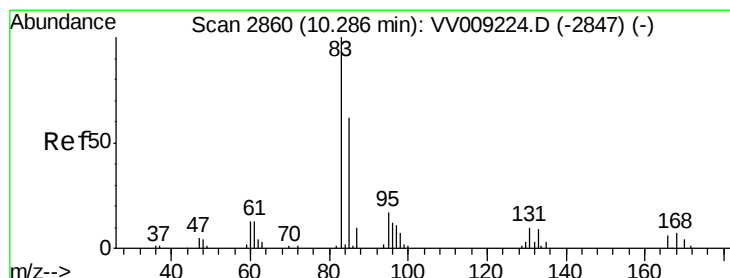
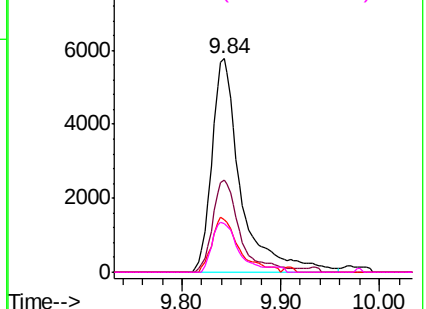
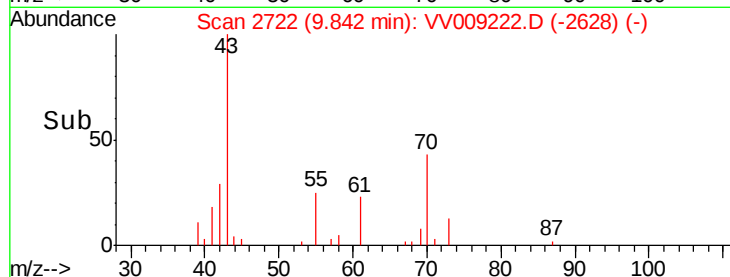


Abundance Ion 43.00 (42.70 to 43.70): VV009222.D (-2628) (-)

Ion 70.00 (69.70 to 70.70): VV009222.D (-2628) (-)

Ion 55.00 (54.70 to 55.70): VV009222.D (-2628) (-)

Ion 61.00 (60.70 to 61.70): VV009222.D (-2628) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 11.146 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

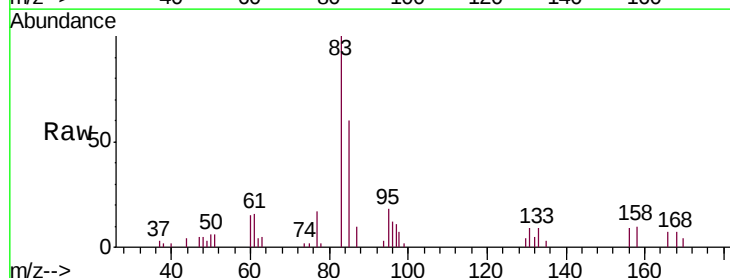
Tgt Ion: 83 Resp: 10847

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

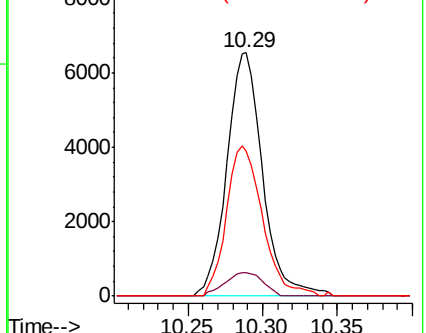
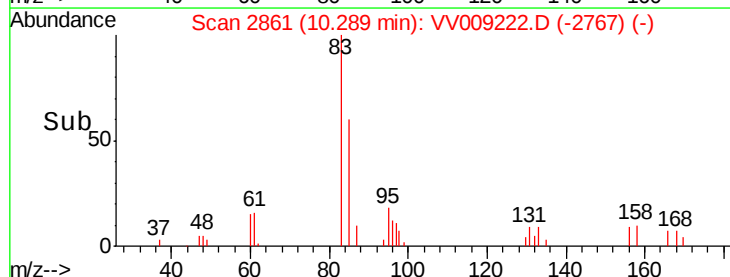
85 62.3 31.6 94.7

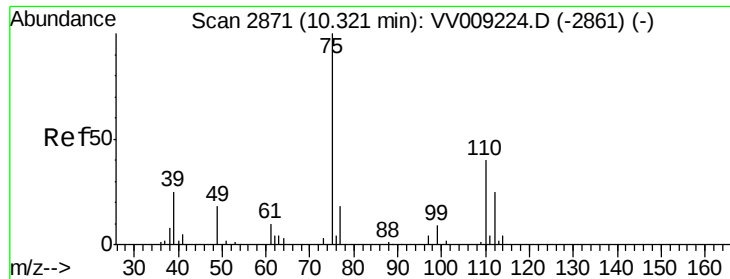


Abundance Ion 82.90 (82.60 to 83.60): VV009222.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009222.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009222.D (-2767) (-)

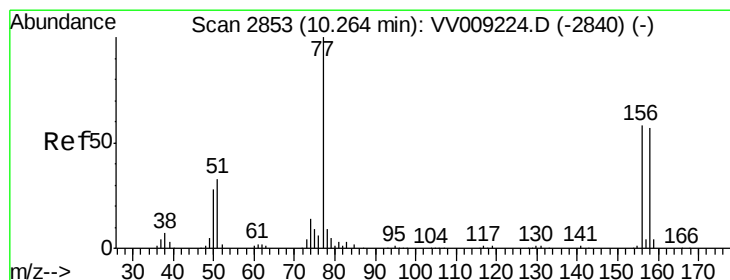
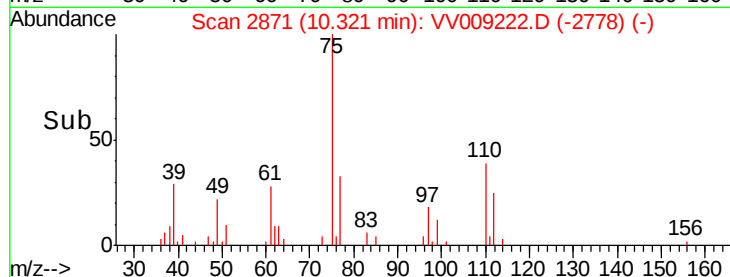
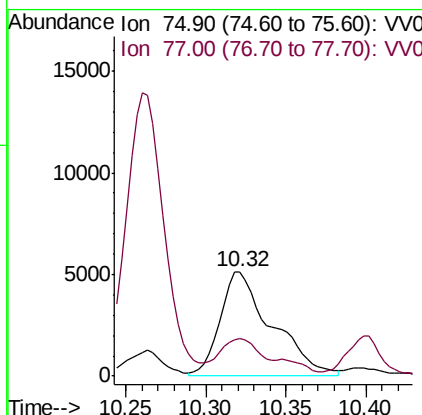
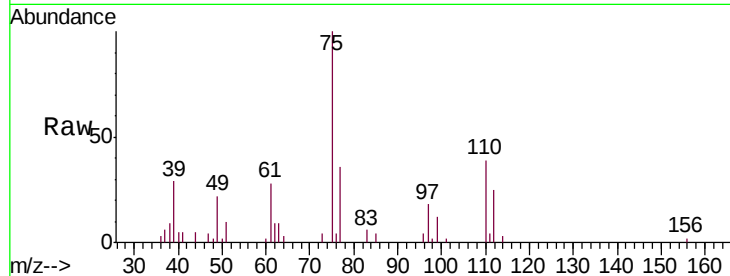




#76
 1,2,3-Trichloropropane
 Concen: 15.575 ug/l
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

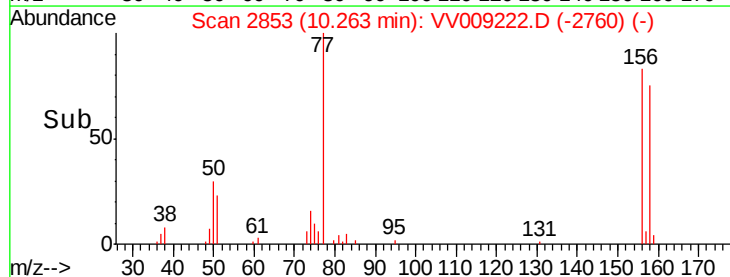
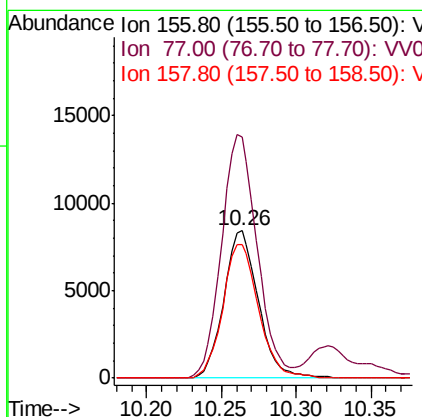
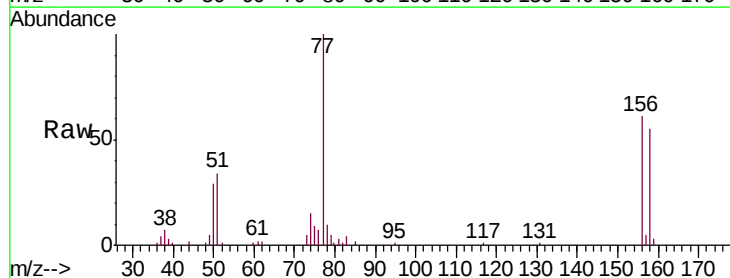
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

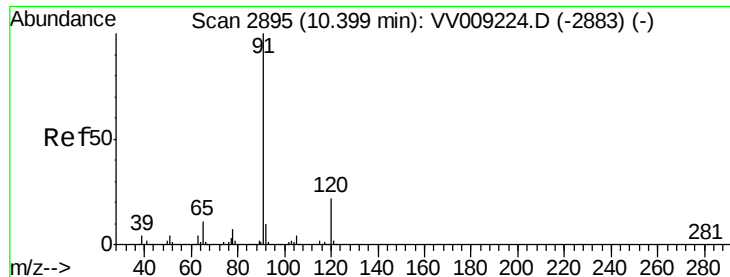
Tgt Ion: 75 Resp: 11437
 Ion Ratio Lower Upper
 75 100
 77 37.3 24.1 72.3



#77
 Bromobenzene
 Concen: 11.333 ug/l
 RT: 10.26 min Scan# 2853
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 156 Resp: 13532
 Ion Ratio Lower Upper
 156 100
 77 171.1 86.6 259.7
 158 94.1 48.8 146.3

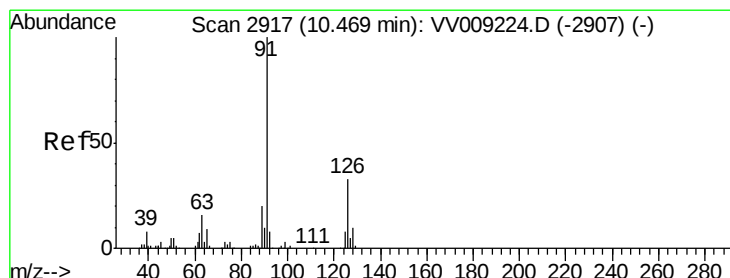
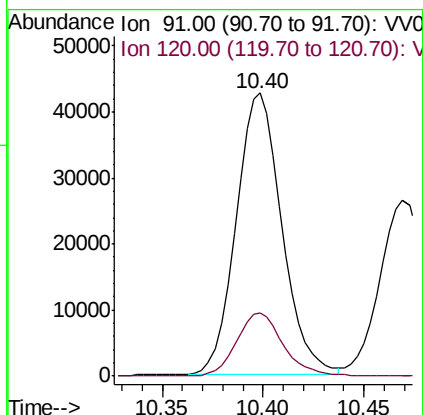
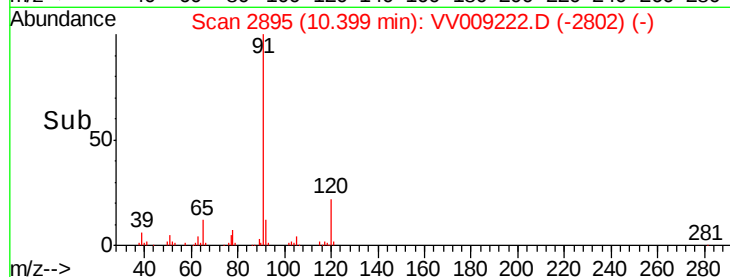
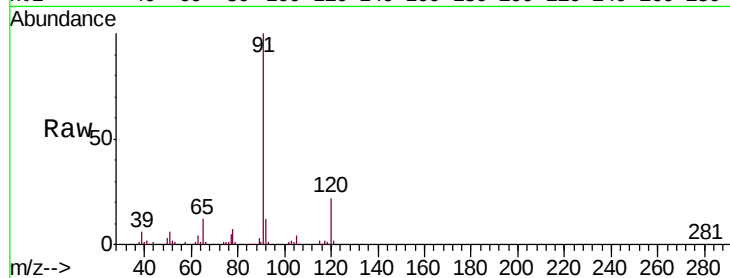




#78
n-propylbenzene
Concen: 10.325 ug/l
RT: 10.40 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

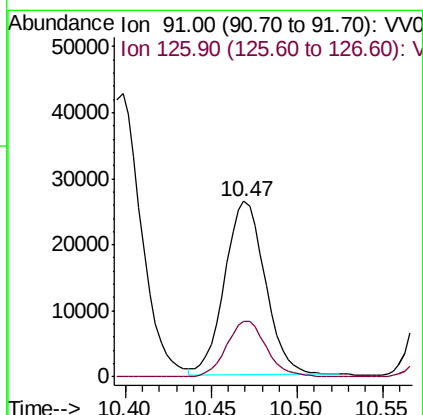
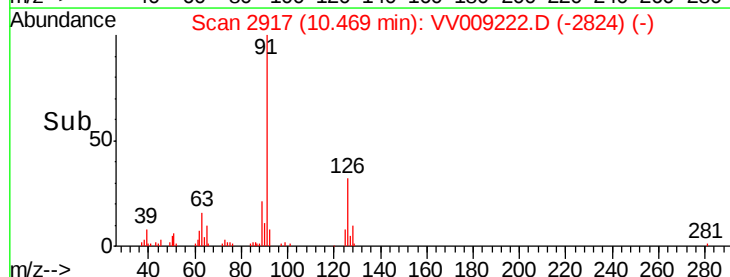
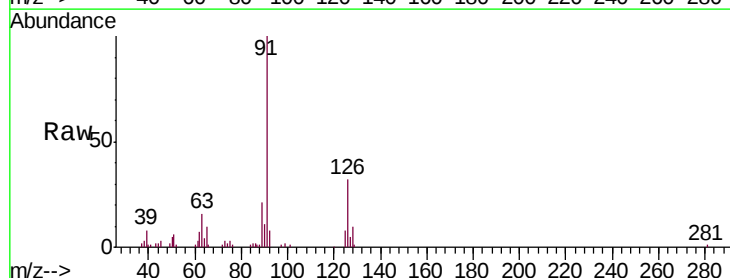
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

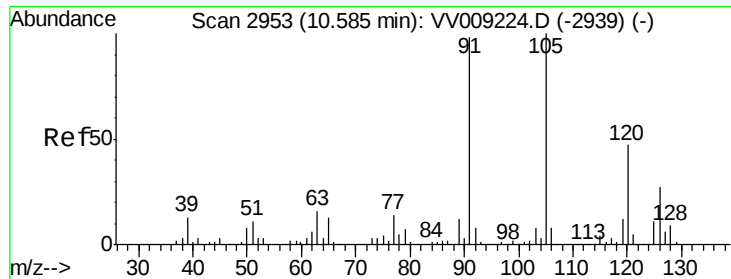
Tgt Ion: 91 Resp: 67426
Ion Ratio Lower Upper
91 100
120 23.0 11.1 33.3



#79
2-Chlorotoluene
Concen: 11.041 ug/l
RT: 10.47 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 91 Resp: 43040
Ion Ratio Lower Upper
91 100
126 31.6 16.0 47.9

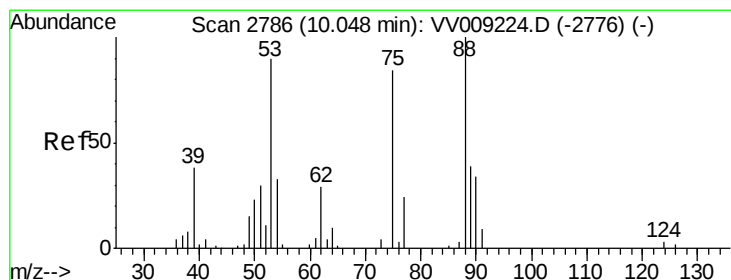
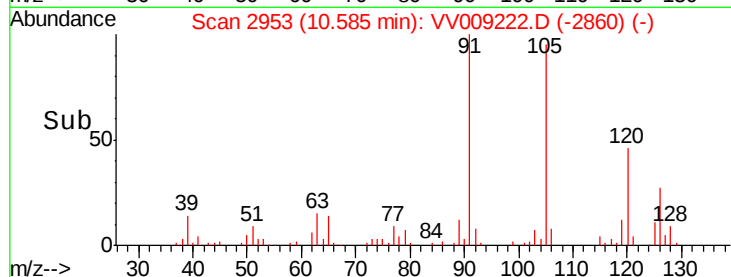
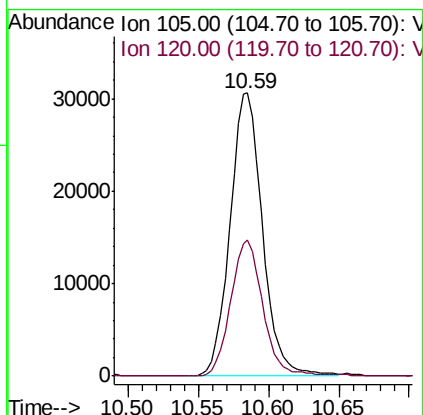
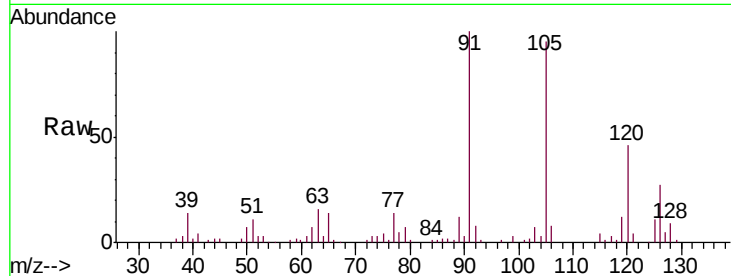




#80
 1,3,5-Trimethylbenzene
 Concen: 10.604 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

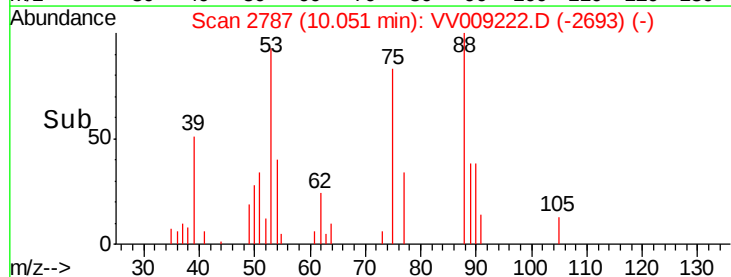
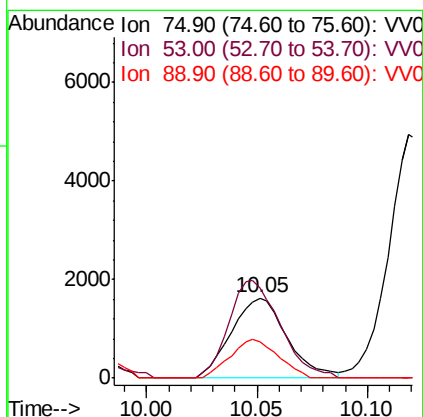
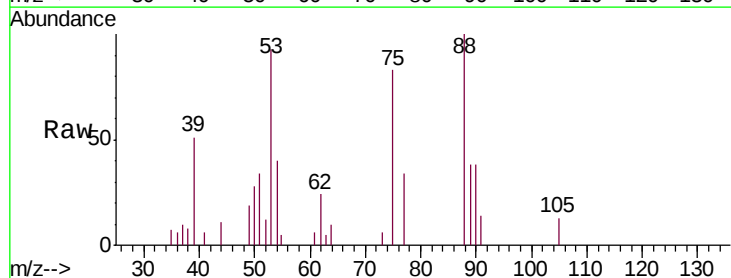
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

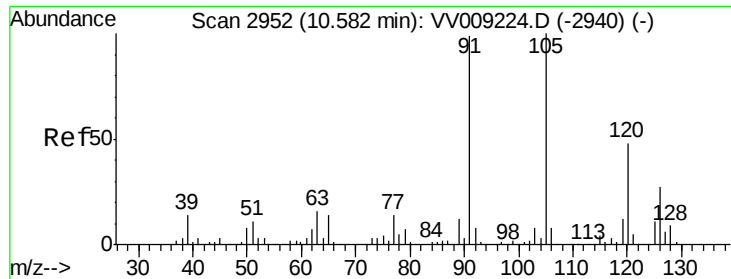
Tgt Ion: 105 Resp: 49323
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 10.204 ug/l
 RT: 10.05 min Scan# 2787
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 75 Resp: 2851
 Ion Ratio Lower Upper
 75 100
 53 112.8 85.5 128.3
 89 41.8 36.3 54.5

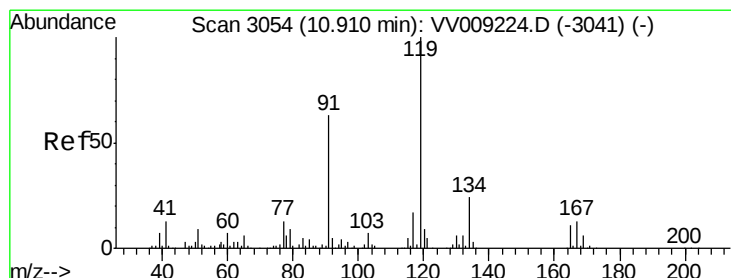
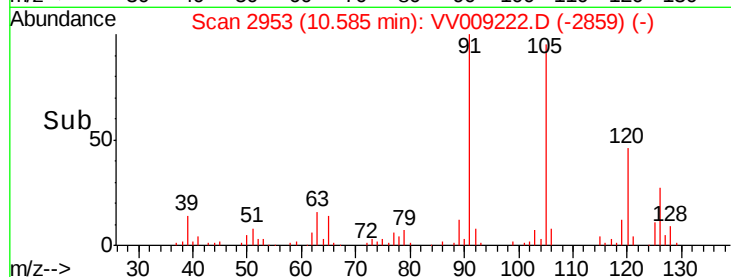
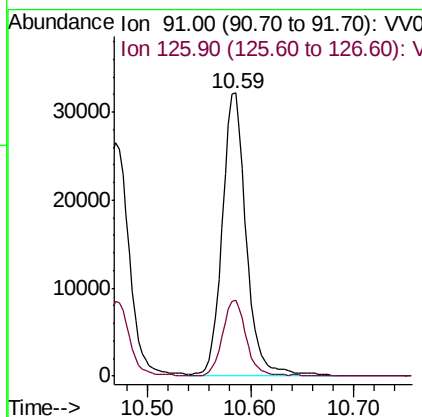
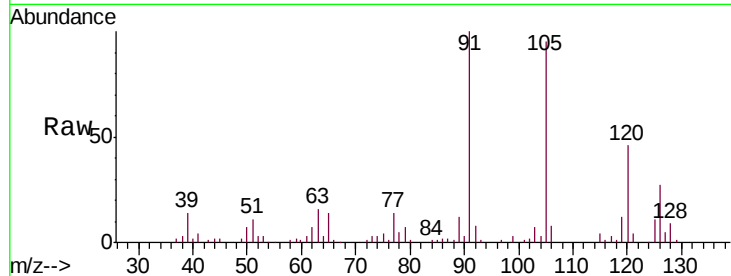




#82
4-Chlorotoluene
Concen: 11.145 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

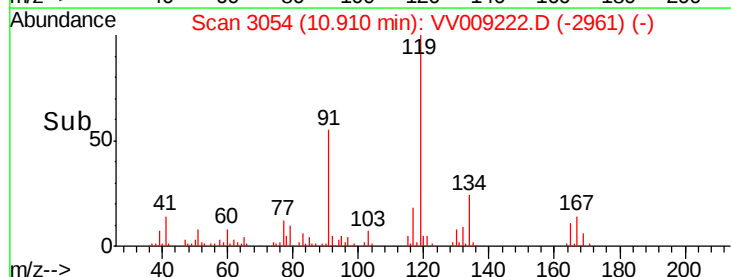
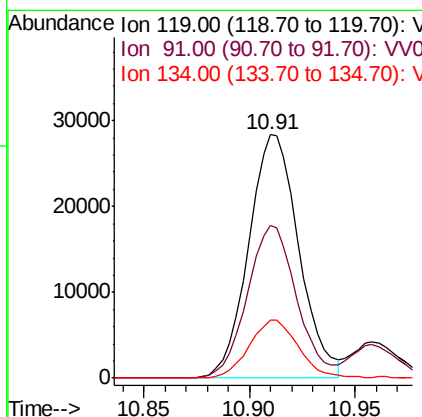
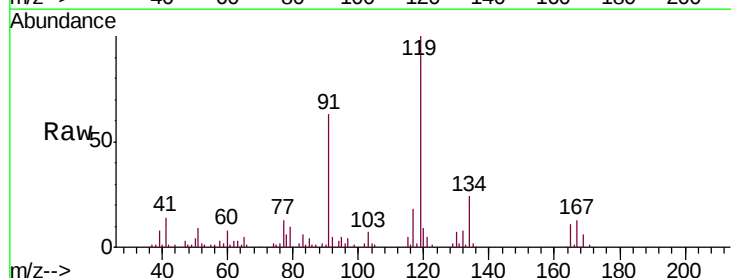
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

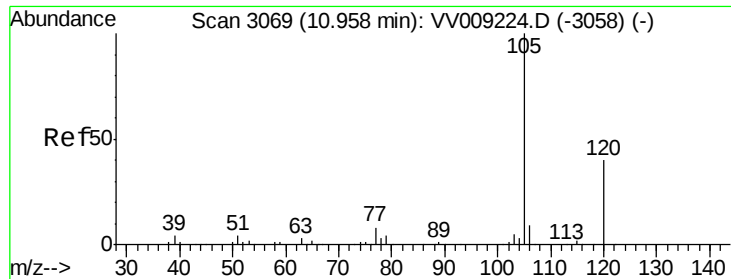
Tgt Ion: 91 Resp: 52322
Ion Ratio Lower Upper
91 100
126 26.4 13.9 41.7



#83
tert-Butylbenzene
Concen: 10.666 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion: 119 Resp: 47005
Ion Ratio Lower Upper
119 100
91 61.3 30.5 91.5
134 23.3 11.8 35.4

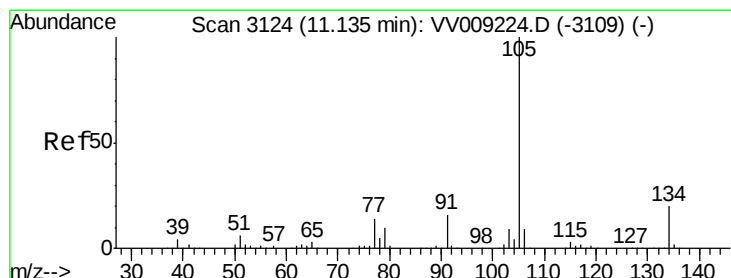
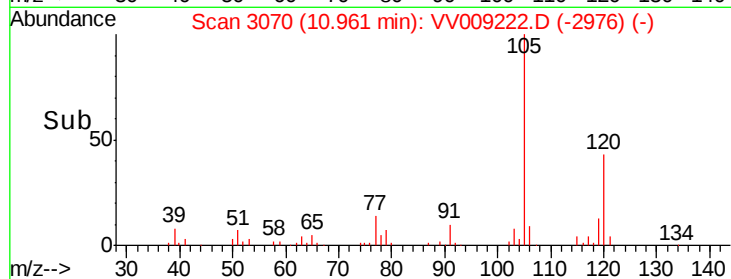
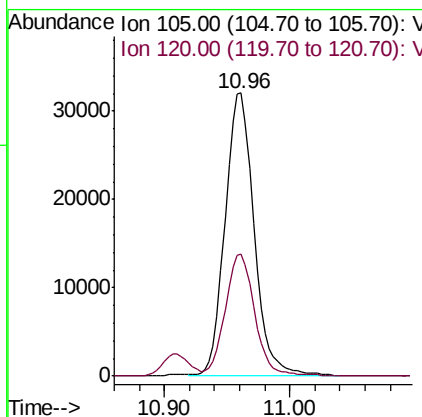
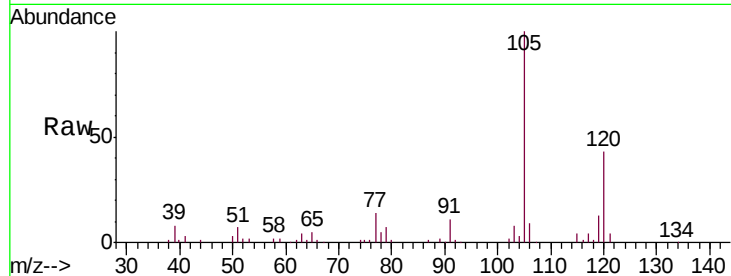




#84
 1,2,4-Trimethylbenzene
 Concen: 10.850 ug/l
 RT: 10.96 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

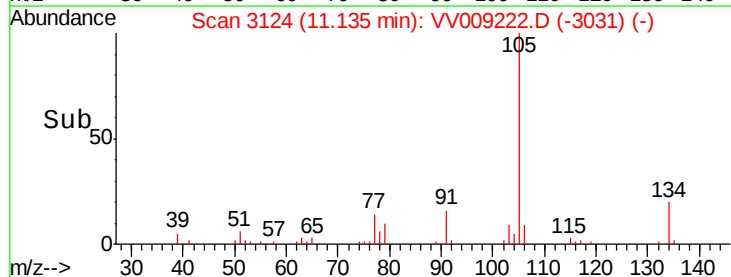
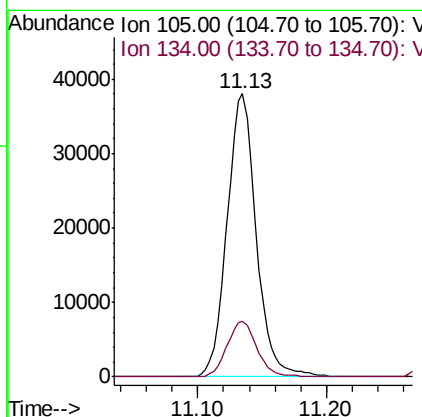
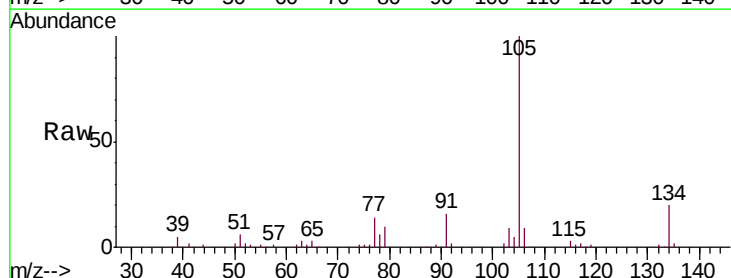
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

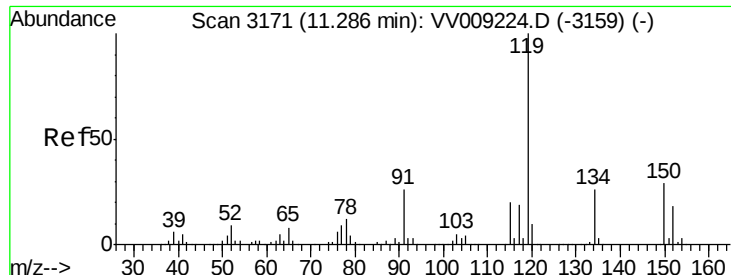
Tgt Ion:105 Resp: 51602
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 10.522 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion:105 Resp: 59592
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.8 29.5





#86

p-Isopropyltoluene

Concen: 10.618 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

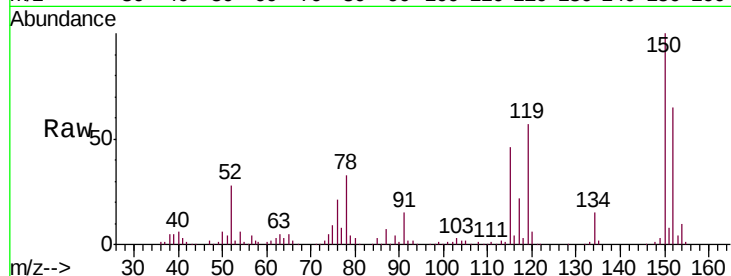
Tgt Ion:119 Resp: 53452

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

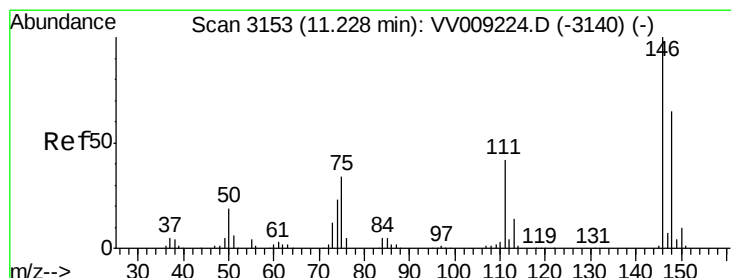
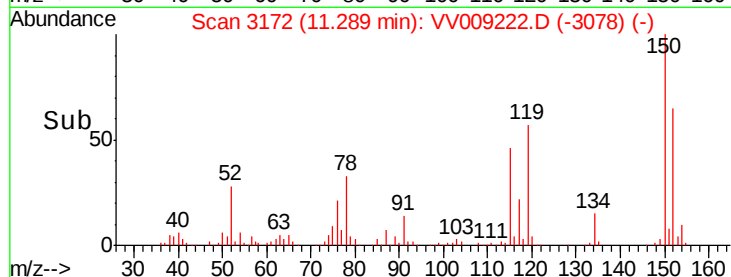
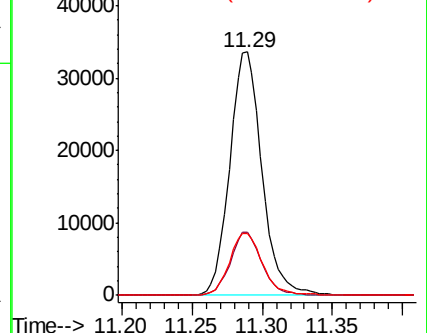
91 26.2 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 11.256 ug/l

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009222.D

Acq: 18 Jan 2019 16:00

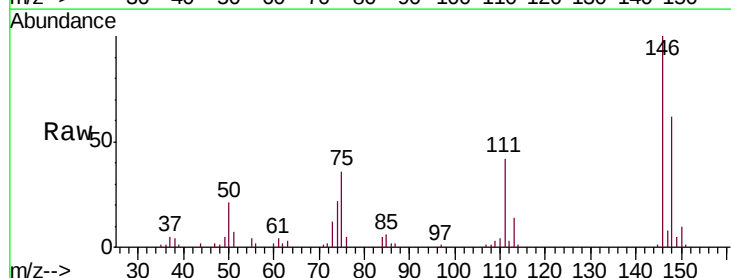
Tgt Ion:146 Resp: 27183

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.1

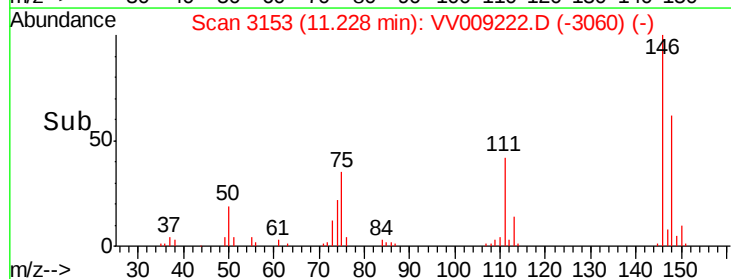
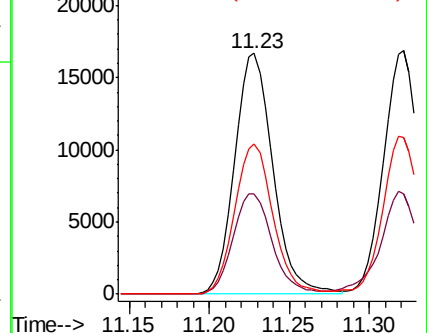
148 62.6 32.2 96.6

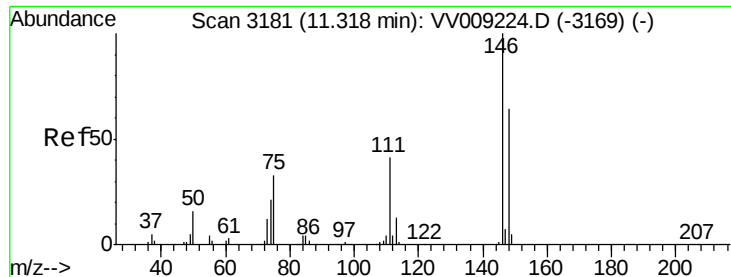


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

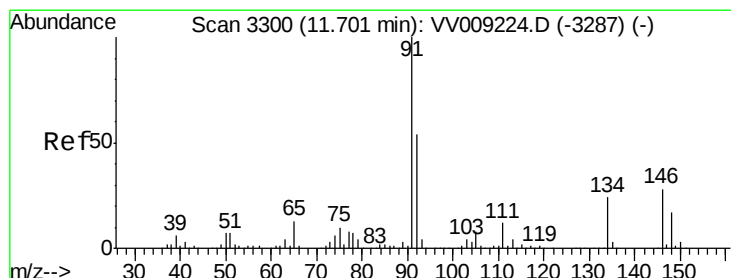
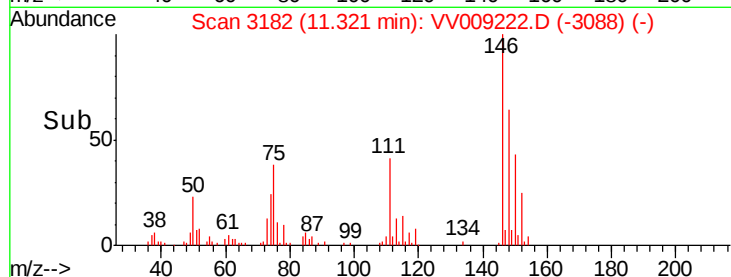
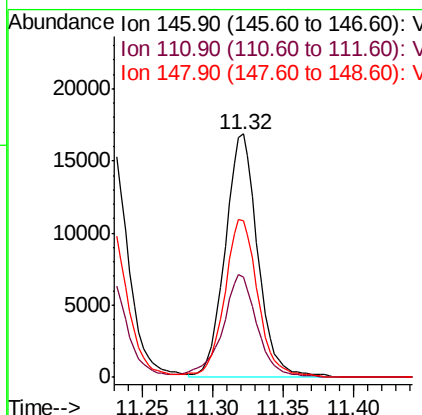
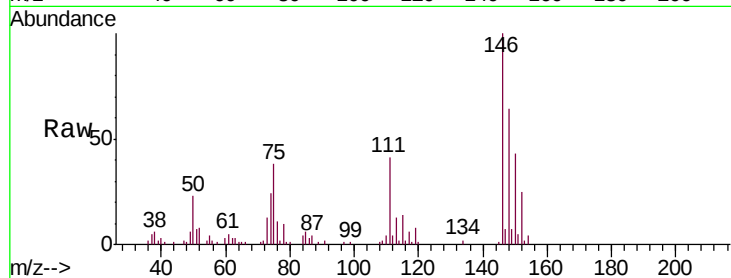




#88
 1,4-Dichlorobenzene
 Concen: 11.198 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

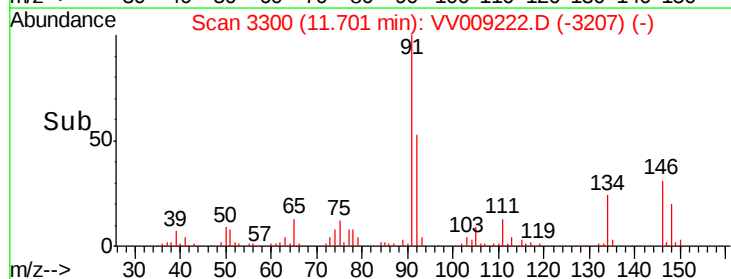
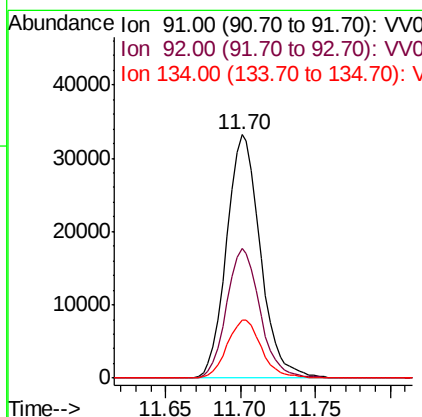
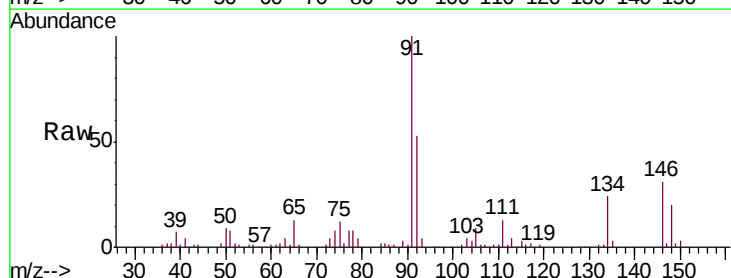
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

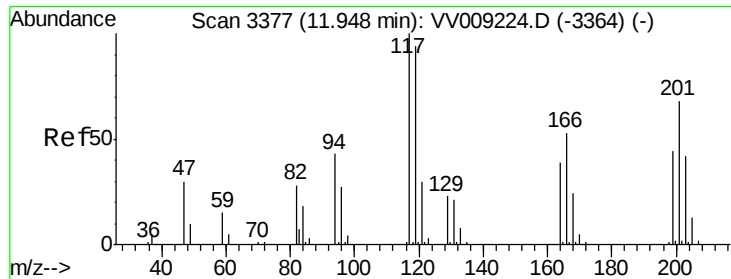
Tgt Ion: 146 Resp: 27289
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.0 63.0
 148 66.4 31.8 95.3



#89
 n-Butylbenzene
 Concen: 10.587 ug/l
 RT: 11.70 min Scan# 3300
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 91 Resp: 52315
 Ion Ratio Lower Upper
 91 100
 92 52.5 26.8 80.3
 134 24.1 12.4 37.0

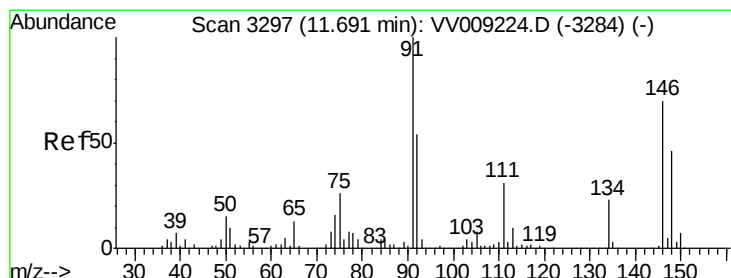
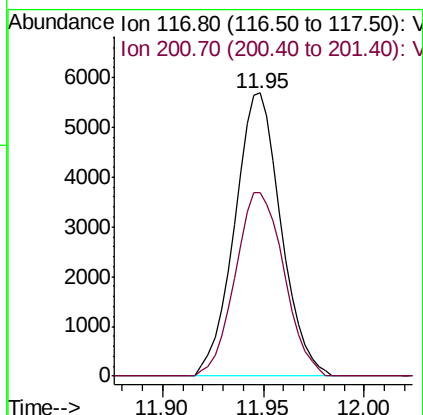
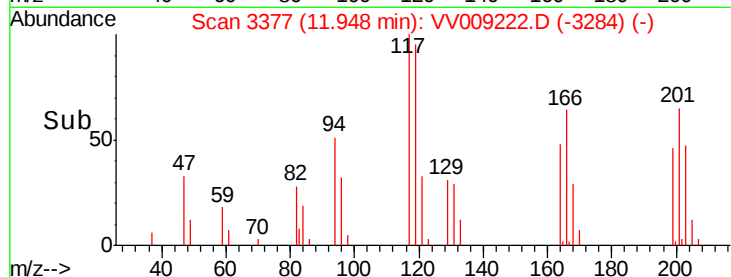
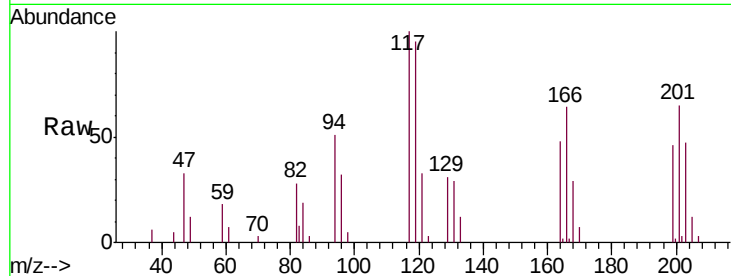




#90
Hexachloroethane
Concen: 9.934 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

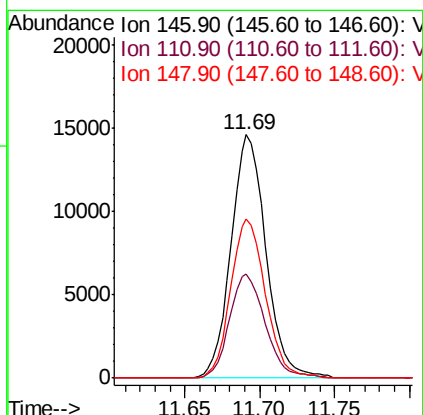
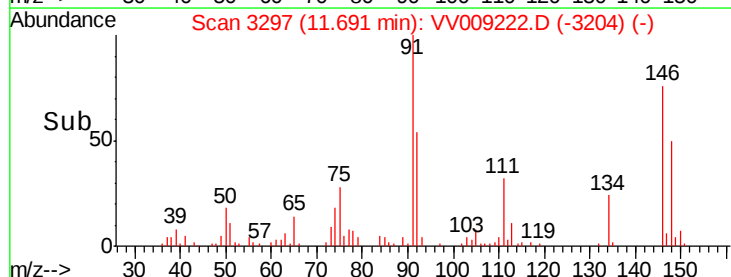
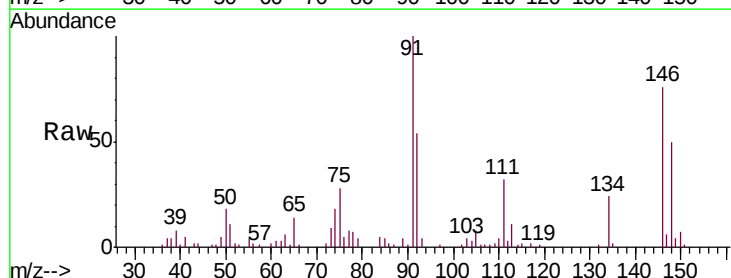
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

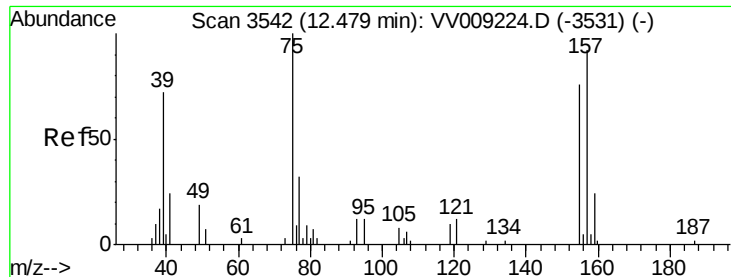
Tgt Ion:117 Resp: 9172
Ion Ratio Lower Upper
117 100
201 68.2 34.4 103.2



#91
1,2-Dichlorobenzene
Concen: 10.956 ug/l
RT: 11.69 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion:146 Resp: 23793
Ion Ratio Lower Upper
146 100
111 43.8 21.9 65.7
148 65.2 31.8 95.3

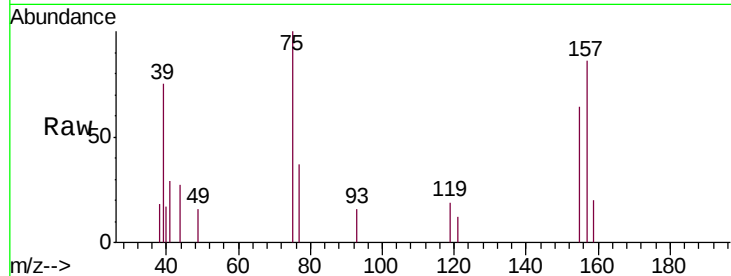




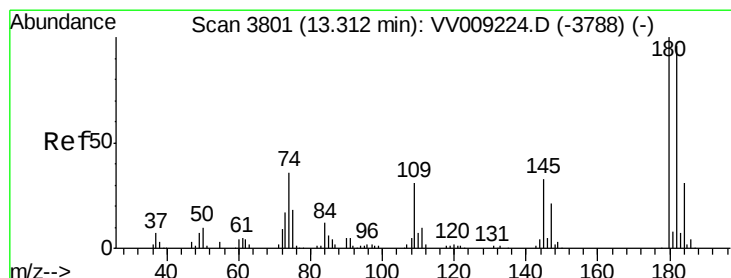
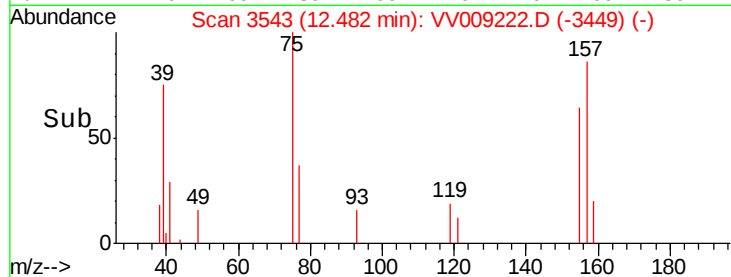
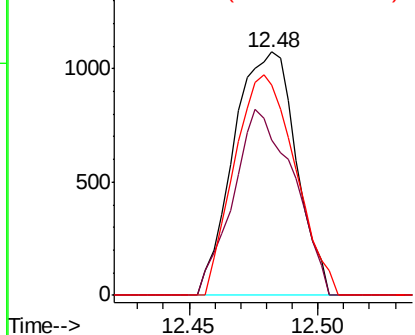
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.633 ug/l
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tgt Ion: 75 Resp: 1813
 Ion Ratio Lower Upper
 75 100
 155 74.2 36.4 109.1
 157 88.5 44.9 134.5

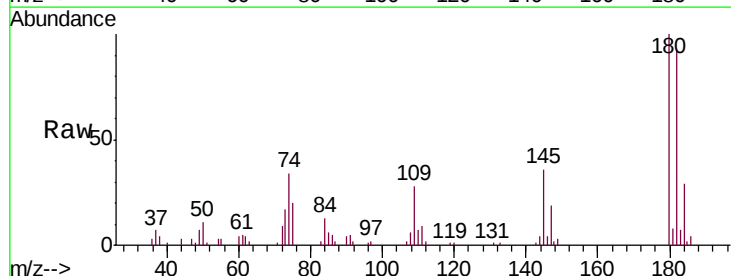


Abundance Ion 74.90 (74.60 to 75.60): VV009222.D (-3531) (-)
 Ion 154.80 (154.50 to 155.50): VV009222.D (-3531) (-)
 Ion 156.80 (156.50 to 157.50): VV009222.D (-3531) (-)

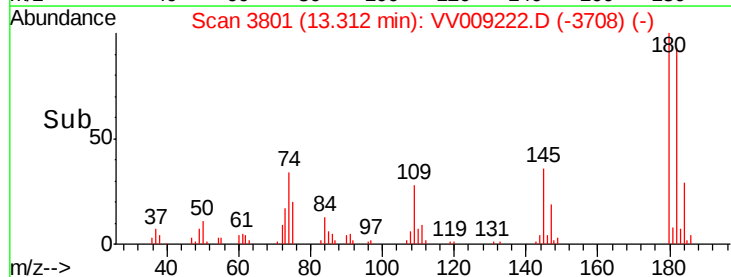
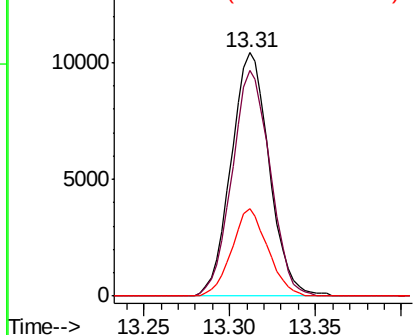


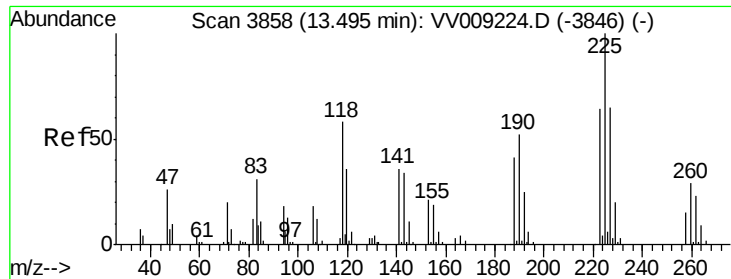
#93
 1,2,4-Trichlorobenzene
 Concen: 11.121 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Tgt Ion: 180 Resp: 16068
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.8 143.3
 145 34.0 16.7 50.0



Abundance Ion 179.80 (179.50 to 180.50): VV009222.D (-3788) (-)
 Ion 181.80 (181.50 to 182.50): VV009222.D (-3788) (-)
 Ion 144.80 (144.50 to 145.50): VV009222.D (-3788) (-)

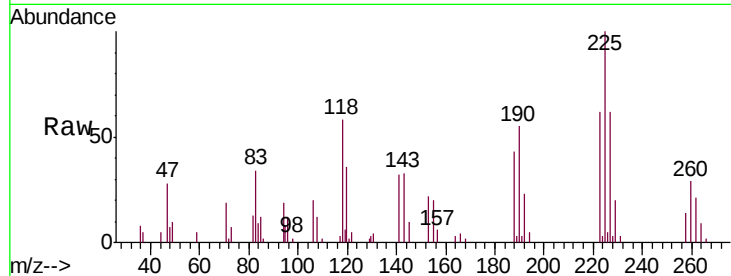




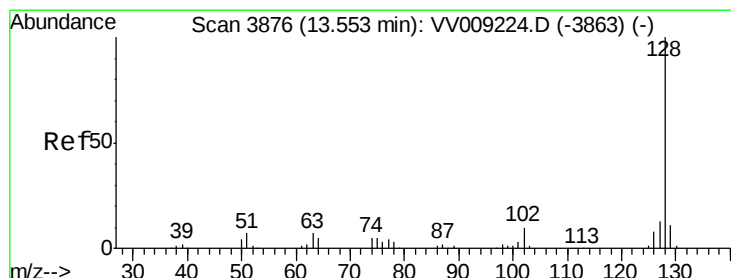
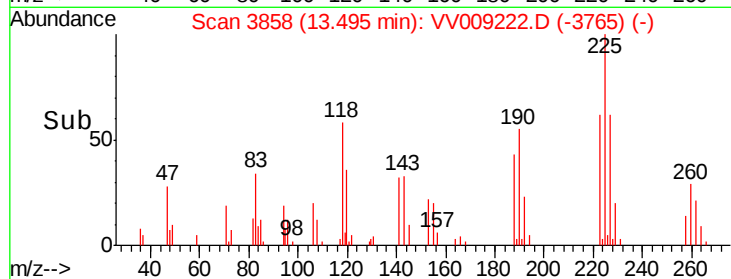
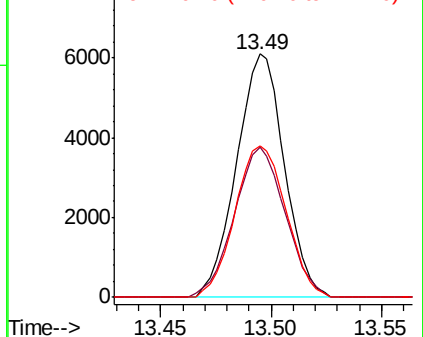
#94
Hexachlorobutadiene
Concen: 11.070 ug/l
RT: 13.49 min Scan# 3858
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tgt Ion:225 Resp: 9157
Ion Ratio Lower Upper
225 100
223 65.8 31.5 94.5
227 66.5 32.1 96.3

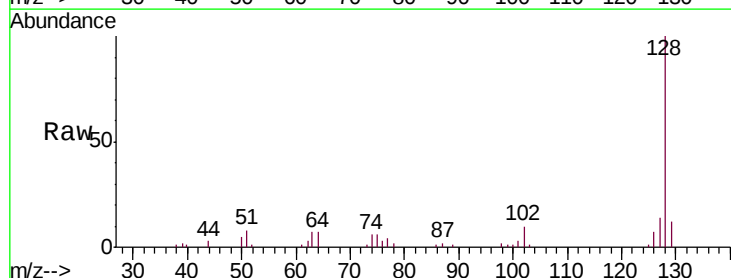


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

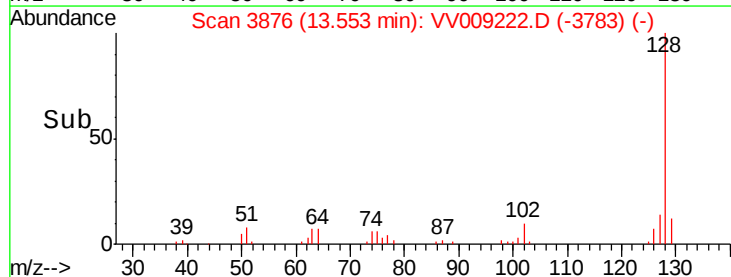
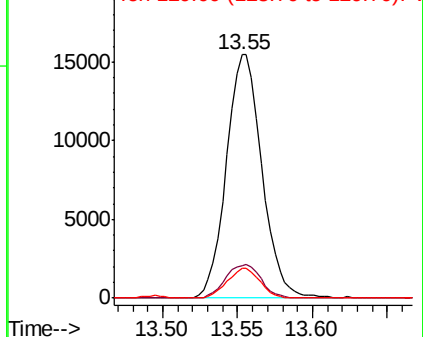


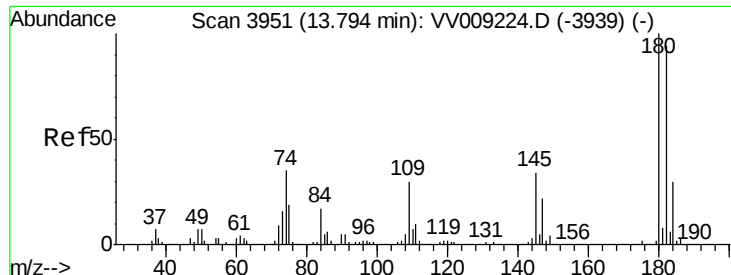
#95
Naphthalene
Concen: 9.830 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. -0.00 min
Lab File: VV009222.D
Acq: 18 Jan 2019 16:00

Tgt Ion:128 Resp: 25587
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 10.459 ug/l
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009222.D
 Acq: 18 Jan 2019 16:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 13321
 Ion Ratio Lower Upper
 180 100
 182 94.6 46.7 140.1
 145 35.7 17.0 51.0

