

Data File : VV009226.D
Acq On : 18 Jan 2019 17:49
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC150

Quant Time: Jan 19 02:59:32 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	93454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	163727	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.90	117	156432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	80932	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	195483	156.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.88%	
35) Dibromofluoromethane	4.64	113	169614	157.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.62%	
50) Toluene-d8	7.36	98	640811	157.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.96%	
62) 4-Bromofluorobenzene	10.12	95	253865	160.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.14	85	106464	147.523	ug/l	98
3) Chloromethane	1.25	50	162475	158.765	ug/l	99
4) Vinyl Chloride	1.33	62	153020	152.148	ug/l	100
5) Bromomethane	1.53	94	98937	150.416	ug/l	98
6) Chloroethane	1.60	64	93742	149.289	ug/l	99
7) Trichlorofluoromethane	1.76	101	87932	150.308	ug/l	99
8) Diethyl Ether	1.96	74	77972	159.619	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.14	101	131395	144.613	ug/l	97
10) Methyl Iodide	2.26	142	232456	158.686	ug/l	99
11) Tert butyl alcohol	2.66	59	55104	760.656	ug/l	98
12) 1,1-Dichloroethene	2.14	96	138032	157.766	ug/l	96
13) Acrolein	2.05	56	48425	814.606	ug/l	100
14) Allyl chloride	2.42	41	242185	153.459	ug/l	98
15) Acrylonitrile	2.76	53	171126	835.165	ug/l	99
16) Acetone	2.17	43	194801	757.211	ug/l	98
17) Carbon Disulfide	2.32	76	419308	154.764	ug/l	100
18) Methyl Acetate	2.45	43	111153	164.504	ug/l	98
19) Methyl tert-butyl Ether	2.80	73	219581	153.536	ug/l	99
20) Methylene Chloride	2.53	84	149136	149.439	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	148265	153.583	ug/l	100
22) Diisopropyl ether	3.32	45	567083	157.813	ug/l	92
23) Vinyl Acetate	3.30	43	1644007	841.008	ug/l	98
24) 1,1-Dichloroethane	3.22	63	331096	156.564	ug/l	100
25) 2-Butanone	4.01	43	280943	870.430	ug/l	99
26) 2,2-Dichloropropane	3.95	77	187259	158.691	ug/l	100
27) cis-1,2-Dichloroethene	3.95	96	197490	159.747	ug/l	98
28) Bromochloromethane	4.29	49	145120	163.373	ug/l	98
29) Tetrahydrofuran	4.38	42	167768	868.064	ug/l	99
30) Chloroform	4.42	83	350510	157.278	ug/l	100
31) Cyclohexane	4.72	56	267168	148.022	ug/l	95
32) 1,1,1-Trichloroethane	4.65	97	272554	150.839	ug/l	99
36) 1,1-Dichloropropene	4.87	75	249625	156.173	ug/l	100
37) Ethyl Acetate	4.12	43	116427	172.292	ug/l	98
38) Carbon Tetrachloride	4.87	117	255255	156.675	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	297491	154.864	ug/l	96
40) Benzene	5.14	78	731220	157.253	ug/l	98
41) Methacrylonitrile	4.30	41	70804	178.725	ug/l	95
42) 1,2-Dichloroethane	5.17	62	246225	157.946	ug/l	100
43) Isopropyl Acetate	5.32	43	235072	177.695	ug/l	99
44) Trichloroethene	5.96	130	188278	161.037	ug/l	99
45) 1,2-Dichloropropane	6.22	63	184137	158.637	ug/l	98
46) Dibromomethane	6.35	93	101157	165.011	ug/l	99
47) Bromodichloromethane	6.55	83	265848	163.365	ug/l	98
48) Methyl methacrylate	6.41	41	119166	171.660	ug/l	96
49) 1,4-Dioxane	6.41	88	28488	3456.140	ug/l	98
51) 4-Methyl-2-Pentanone	7.27	43	588520	850.763	ug/l	98
52) Toluene	7.43	92	461749	156.630	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	274951	172.287	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	306248	166.112	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	137017	166.944	ug/l	97
56) Ethyl methacrylate	7.83	69	184971	179.307	ug/l	99
57) 1,3-Dichloropropane	8.05	76	254870	164.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	27105	2924.100	ug/l #	85
59) 2-Hexanone	8.18	43	426852	860.729	ug/l	98
60) Dibromochloromethane	8.29	129	173238	171.421	ug/l	100
61) 1,2-Dibromoethane	8.40	107	138957	169.401	ug/l	100
64) Tetrachloroethene	8.02	164	150025	154.631	ug/l	99
65) Chlorobenzene	8.92	112	512170	155.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	187557	160.426	ug/l	99
67) Ethyl Benzene	9.05	91	921618	155.252	ug/l	100
68) m/p-Xylenes	9.18	106	693404	313.070	ug/l	98
69) o-Xylene	9.59	106	335436	157.835	ug/l	100
70) Styrene	9.60	104	559100	160.389	ug/l	99
71) Bromoform	9.77	173	98789	174.576	ug/l #	100
73) Isopropylbenzene	9.97	105	919820	152.717	ug/l	100
74) N-amyl acetate	9.84	43	222972	174.181	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	168746	157.418	ug/l	98
76) 1,2,3-Trichloropropane	10.05	75	49200	60.825	ug/l	79
77) Bromobenzene	10.26	156	206006	156.632	ug/l	100
78) n-propylbenzene	10.40	91	1090502	151.597	ug/l	98
79) 2-Chlorotoluene	10.47	91	658525	153.360	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	784056	153.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	53672	174.385	ug/l	97
82) 4-Chlorotoluene	10.59	91	780622	150.945	ug/l	99
83) tert-Butylbenzene	10.91	119	750319	154.565	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	807527	154.137	ug/l	100
85) sec-Butylbenzene	11.13	105	956069	153.247	ug/l	100
86) p-Isopropyltoluene	11.29	119	850702	153.406	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	416248	156.468	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	417411	155.491	ug/l	99
89) n-Butylbenzene	11.70	91	833417	153.106	ug/l	98
90) Hexachloroethane	11.95	117	164252	161.495	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	373359	156.069	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	30712	163.526	ug/l	93

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)
93) 1,2,4-Trichlorobenzene	13.31	180	263488	165.552	ug/l	99
94) Hexachlorobutadiene	13.49	225	143334	157.307	ug/l	99
95) Naphthalene	13.55	128	499397	174.175	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	225260	160.560	ug/l	99

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

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MSVOA_V
ClientSampleId :
VSTDICC150

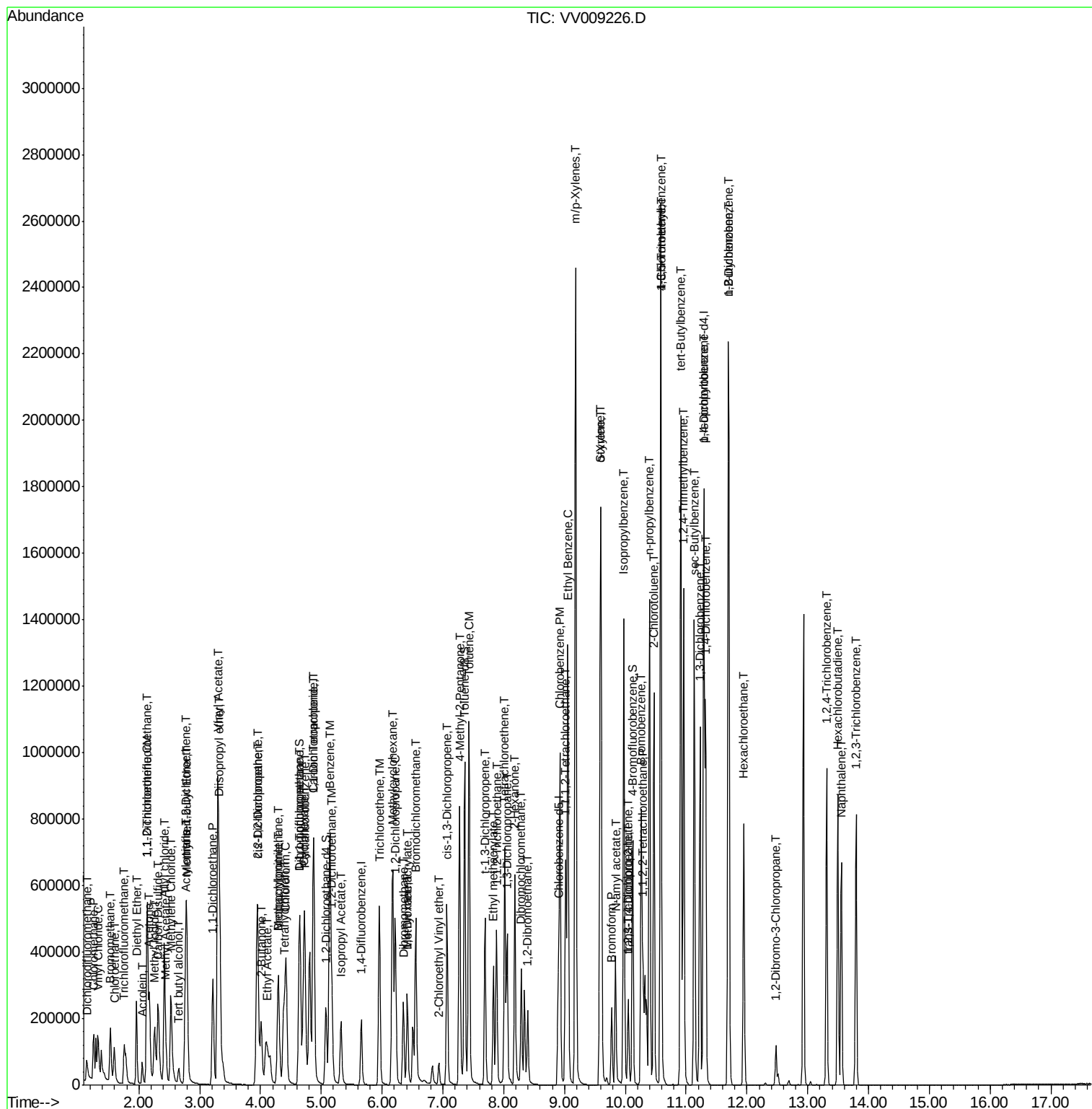
Quant Time: Jan 19 02:59:32 2019

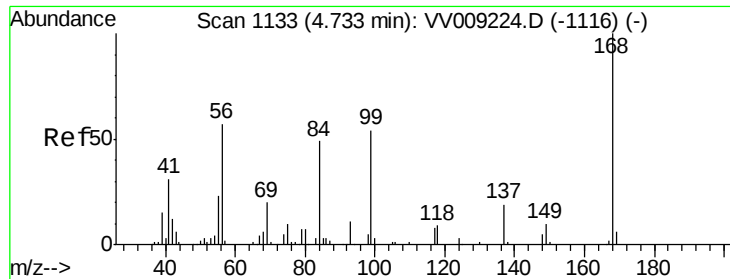
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\82V011819S.M

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QLast Update : Sat Jan 19 02:50:58 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VV009226.D

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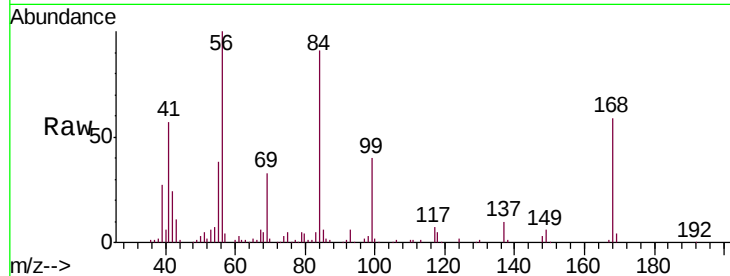
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tgt Ion:168 Resp: 93454

Ion Ratio Lower Upper

168 100

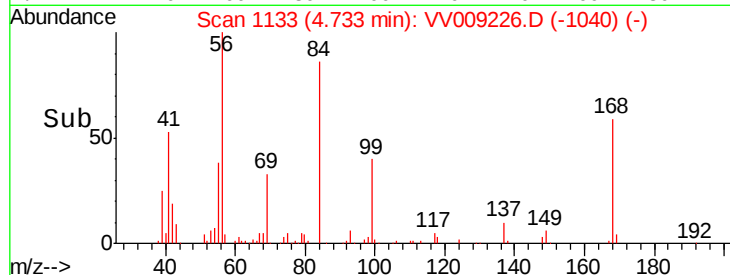
99 66.5 54.7 82.1



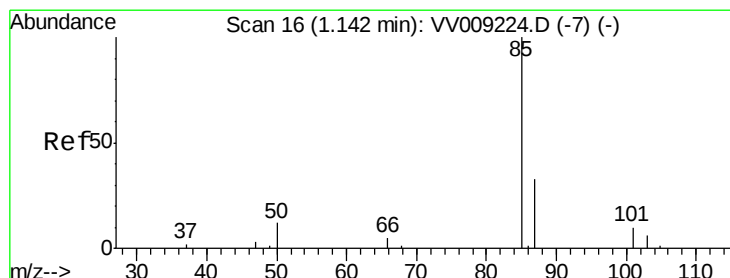
Abundance Ion 167.90 (167.60 to 168.60): VV009224.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009224.D (-1116) (-)

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 147.523 ug/l

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV009226.D

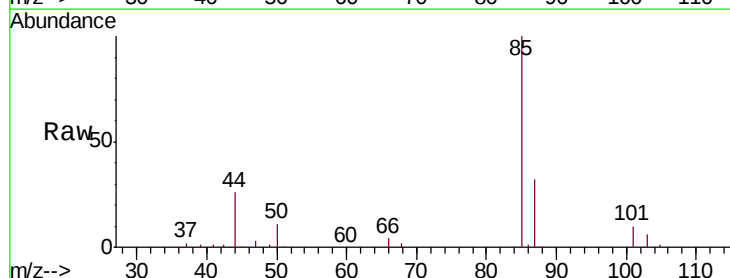
Acq: 18 Jan 2019 17:49

Tgt Ion: 85 Resp: 106464

Ion Ratio Lower Upper

85 100

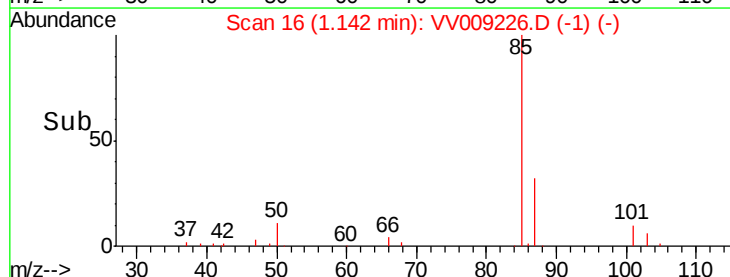
87 32.0 16.4 49.4



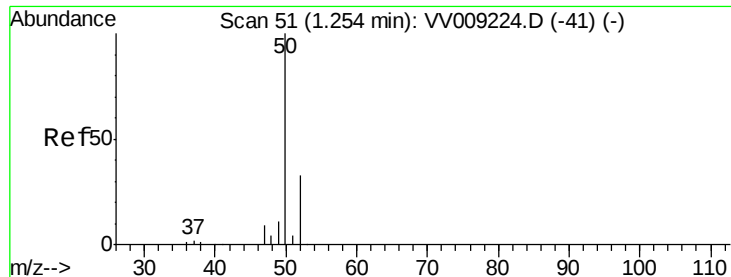
Abundance Ion 84.90 (84.60 to 85.60): VV009224.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009224.D (-7) (-)

Time-->



Time-->



#3

Chloromethane

Concen: 158.765 ug/l

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

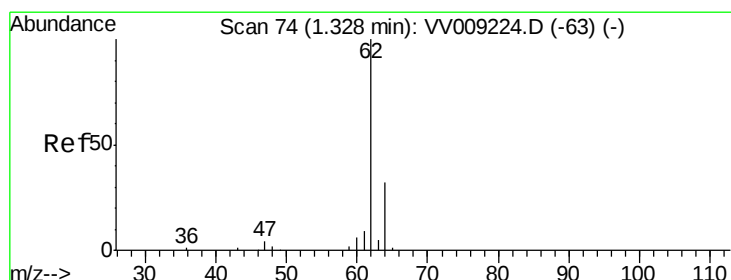
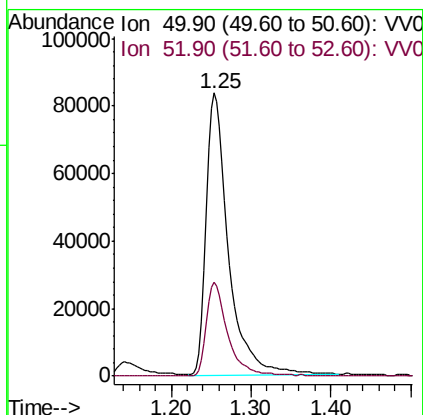
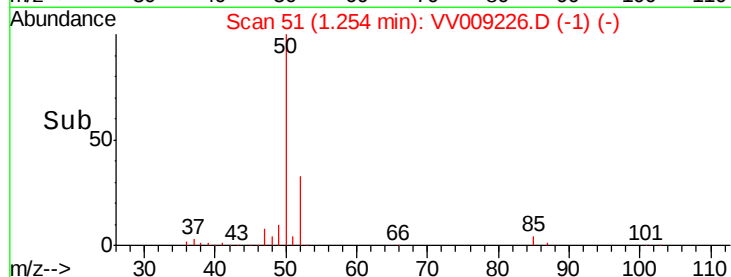
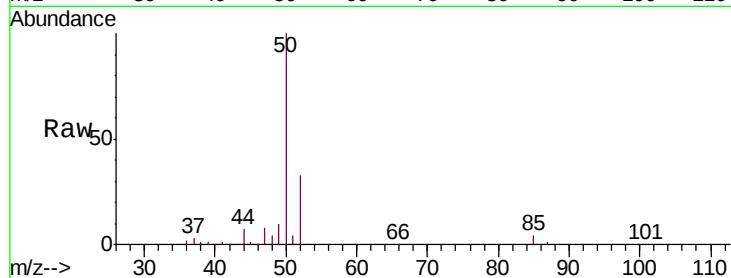
VSTDIC150

Tgt Ion: 50 Resp: 162475

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



#4

Vinyl Chloride

Concen: 152.148 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VV009226.D

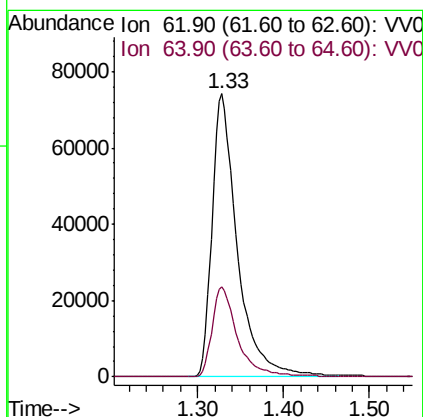
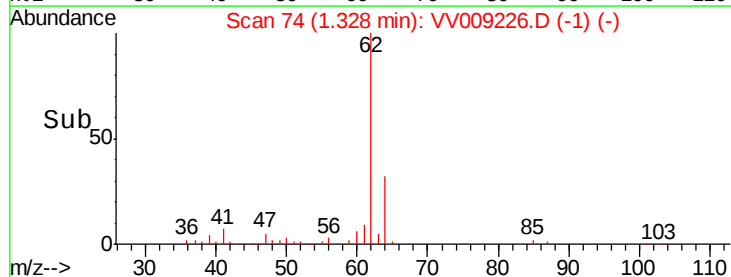
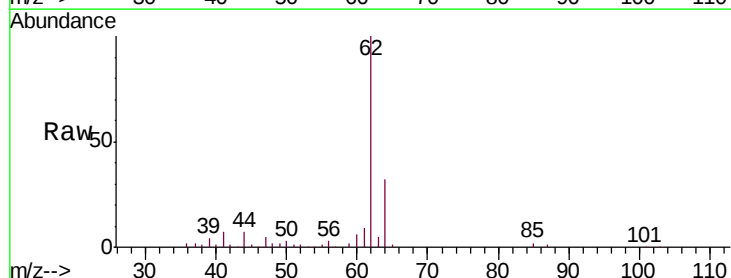
Acq: 18 Jan 2019 17:49

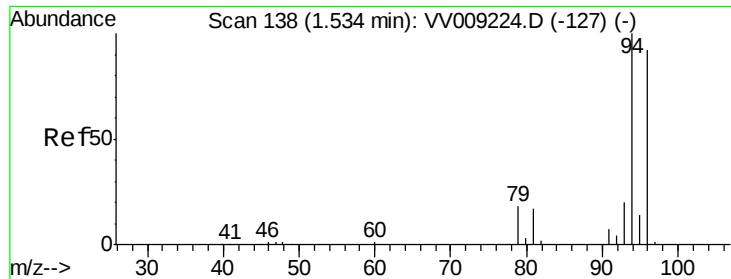
Tgt Ion: 62 Resp: 153020

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5

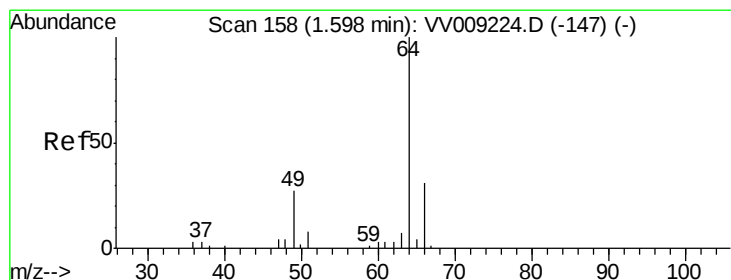
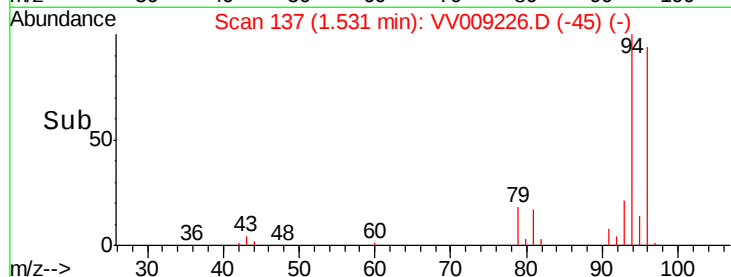
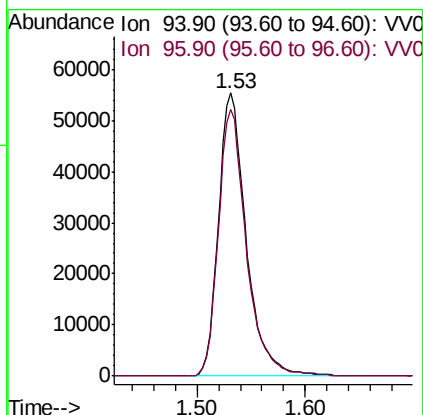
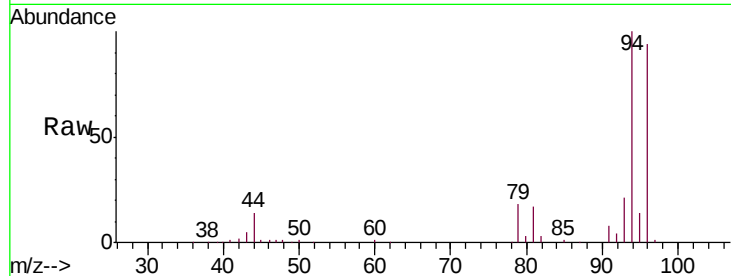




#5
Bromomethane
Concen: 150.416 ug/l
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV009226.D
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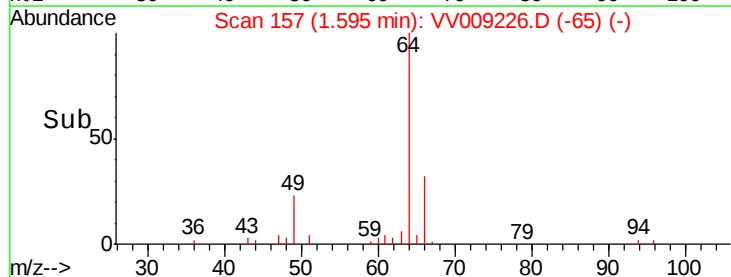
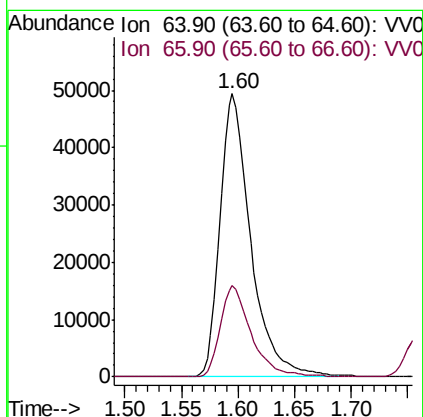
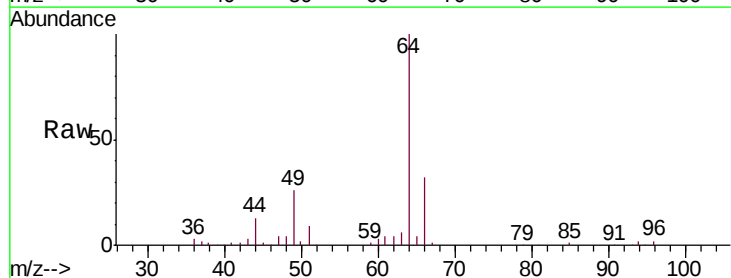
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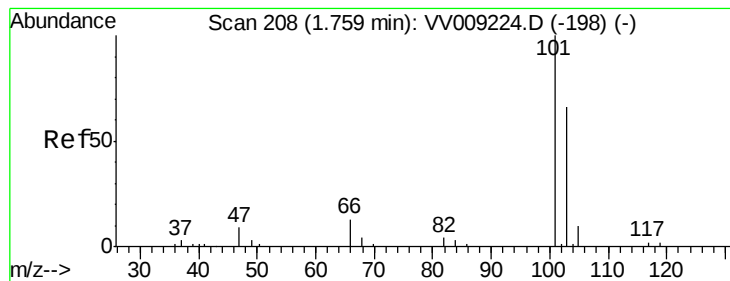
Tgt Ion: 94 Resp: 98937
Ion Ratio Lower Upper
94 100
96 94.1 73.9 110.9



#6
Chloroethane
Concen: 149.289 ug/l
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 64 Resp: 93742
Ion Ratio Lower Upper
64 100
66 32.1 25.1 37.7



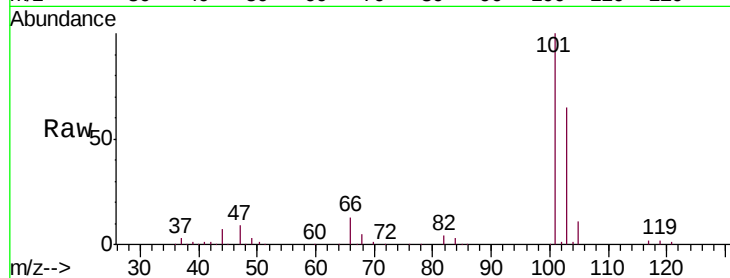


#7

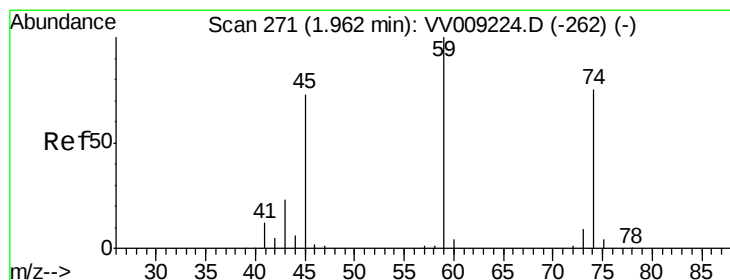
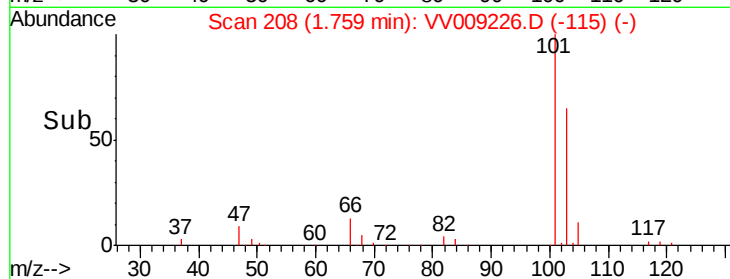
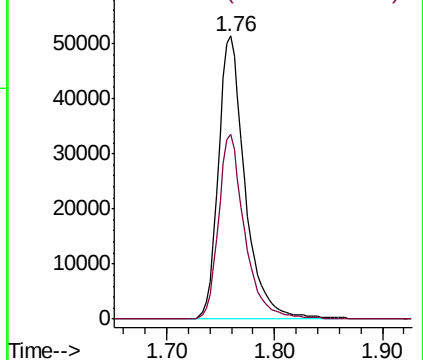
Trichlorofluoromethane
 Concen: 150.308 ug/l
 RT: 1.76 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
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 VSTDIC150

Tgt Ion: 101 Resp: 87932
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0



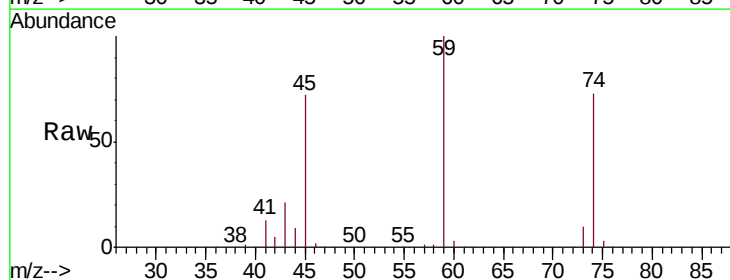
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



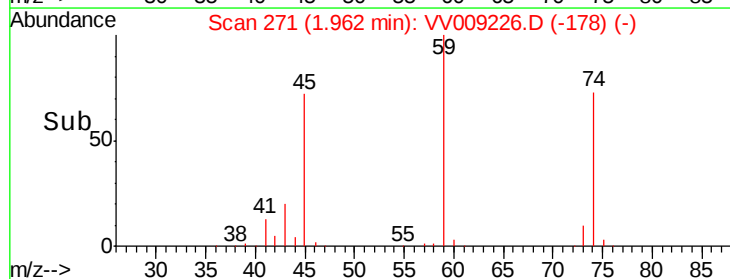
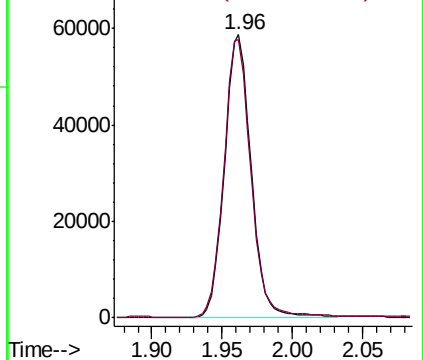
#8

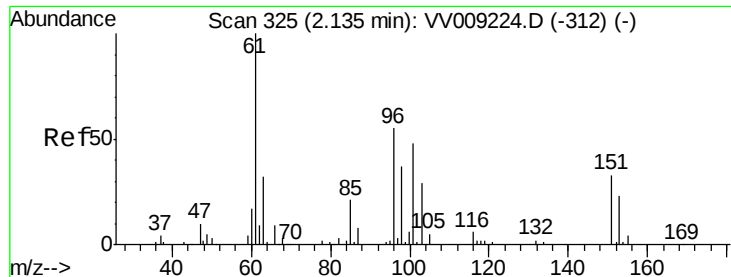
Diethyl Ether
 Concen: 159.619 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. -0.00 min
 Lab File: VV009226.D
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Tgt Ion: 74 Resp: 77972
 Ion Ratio Lower Upper
 74 100
 45 100.0 49.4 148.2



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: 144.613 ug/l

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

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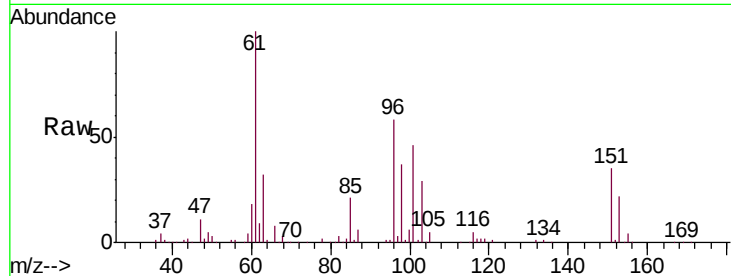
Tgt Ion:101 Resp: 131395

Ion Ratio Lower Upper

101 100

85 45.4 36.2 54.4

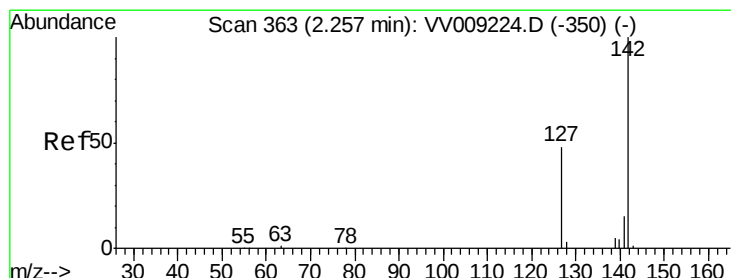
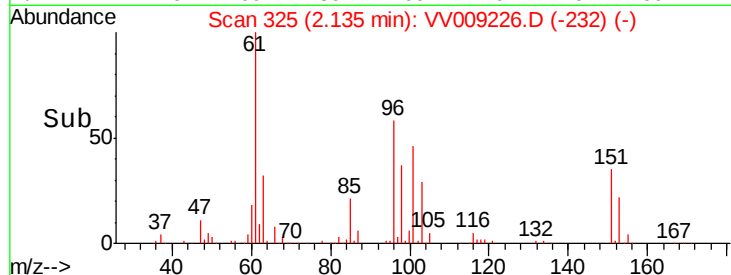
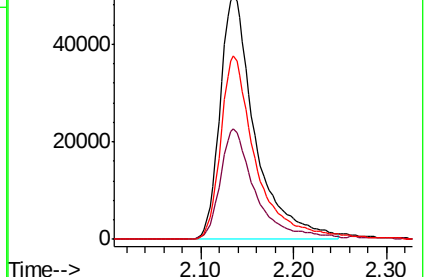
151 76.2 57.9 86.9



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: 158.686 ug/l

RT: 2.26 min Scan# 363

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

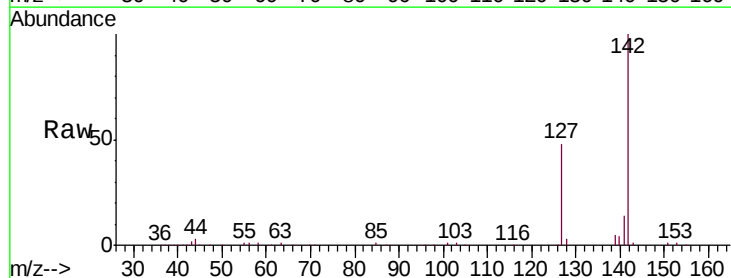
Tgt Ion:142 Resp: 232456

Ion Ratio Lower Upper

142 100

127 47.8 39.0 58.4

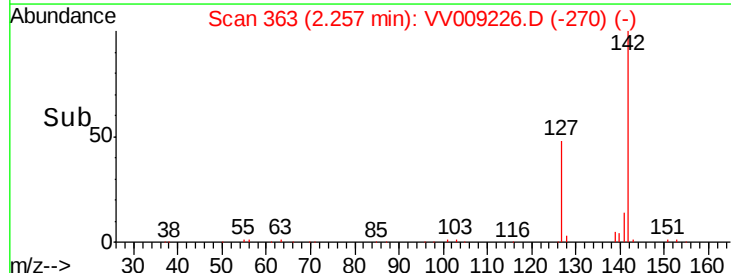
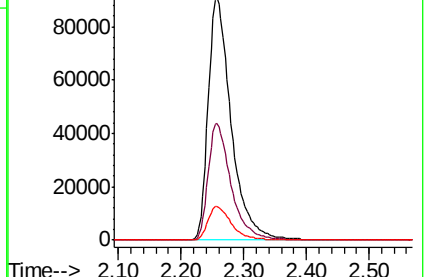
141 14.1 11.4 17.0

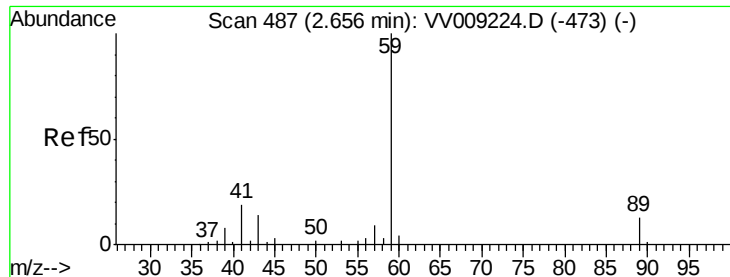


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



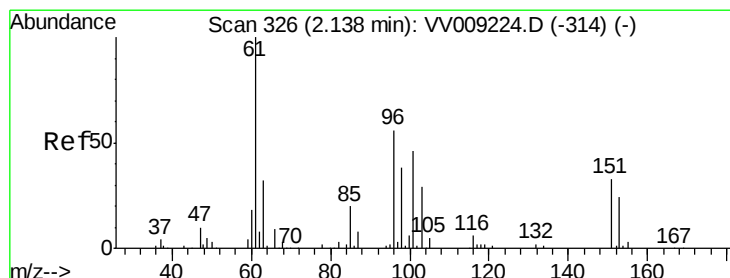
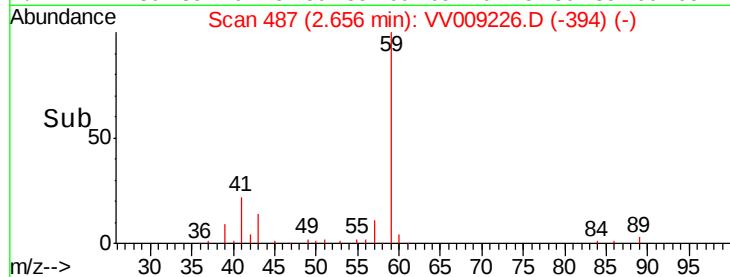
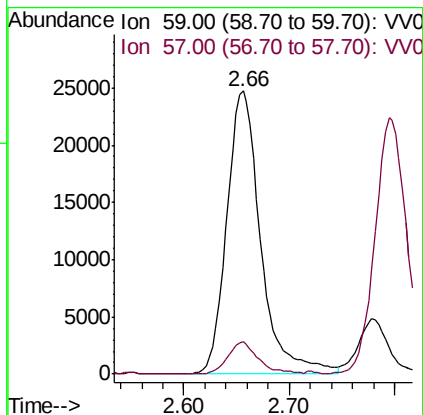
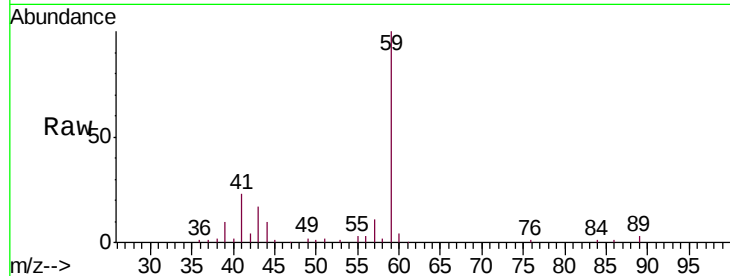


#11

Tert butyl alcohol
 Concen: 760.656 ug/l
 RT: 2.66 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampled :
 VSTDIC150

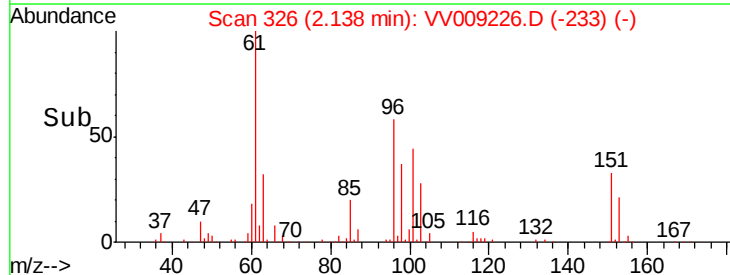
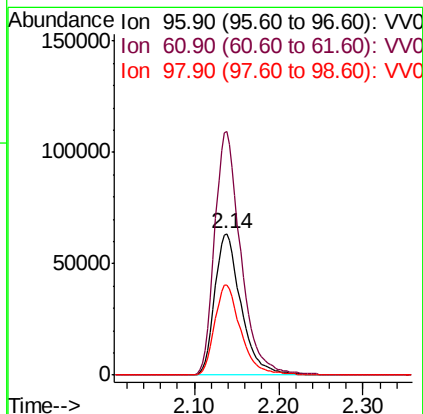
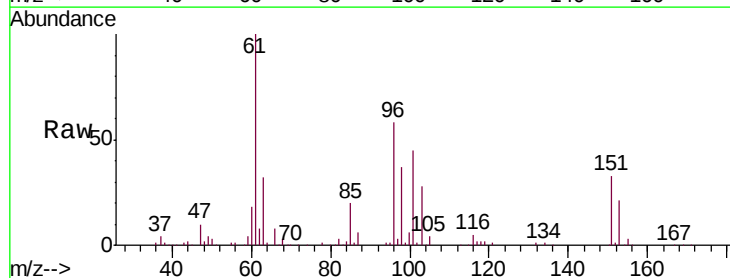
Tgt Ion: 59 Resp: 55104
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.5 11.3

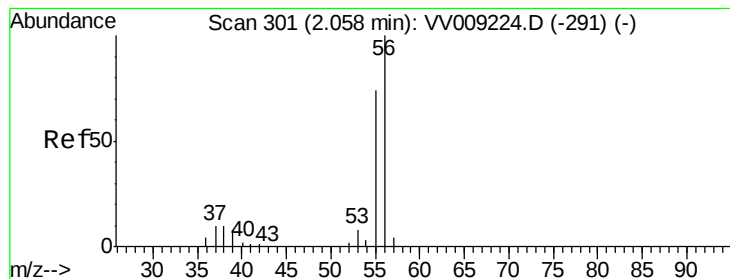


#12

1,1-Dichloroethene
 Concen: 157.766 ug/l
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion: 96 Resp: 138032
 Ion Ratio Lower Upper
 96 100
 61 172.3 141.9 212.9
 98 64.0 53.3 79.9





#13

Acrolein

Concen: 814.606 ug/l

RT: 2.05 min Scan# 300

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

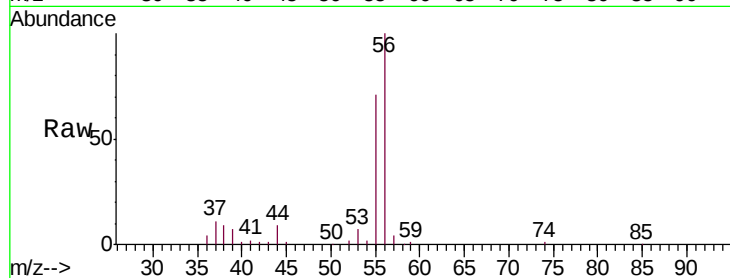
VSTDIC150

Tgt Ion: 56 Resp: 48425

Ion Ratio Lower Upper

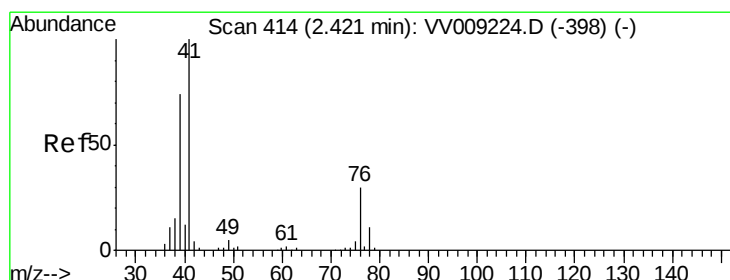
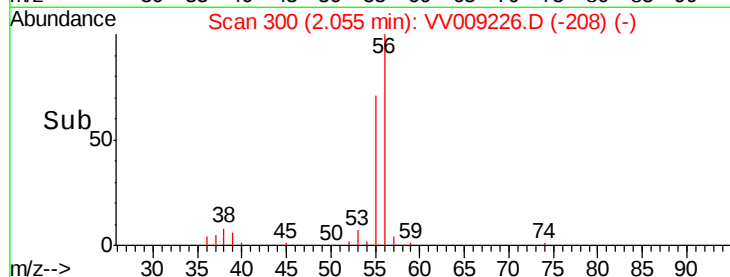
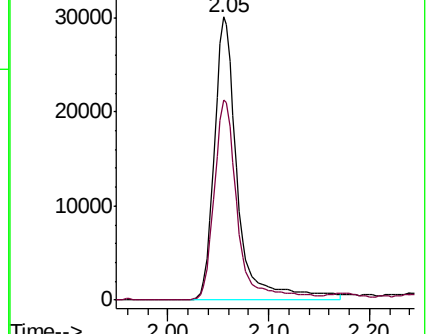
56 100

55 69.8 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VV009226.D

Ion 55.00 (54.70 to 55.70): VV009226.D



#14

Allyl chloride

Concen: 153.459 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

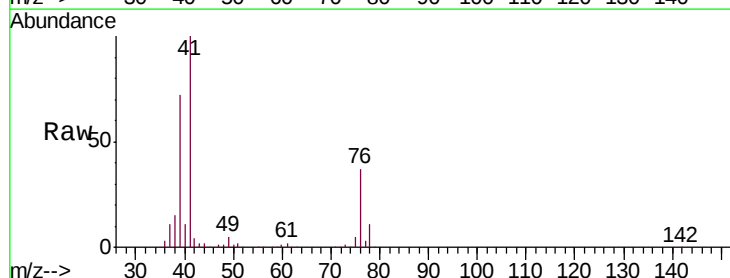
Tgt Ion: 41 Resp: 242185

Ion Ratio Lower Upper

41 100

39 70.7 58.2 87.2

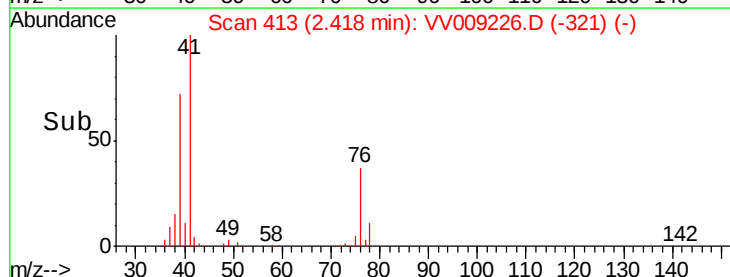
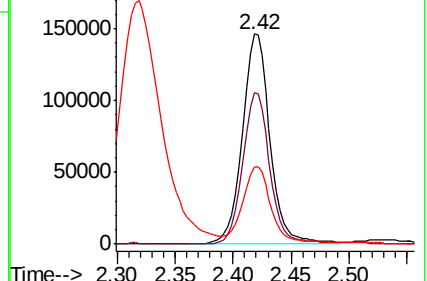
76 37.0 29.4 44.2

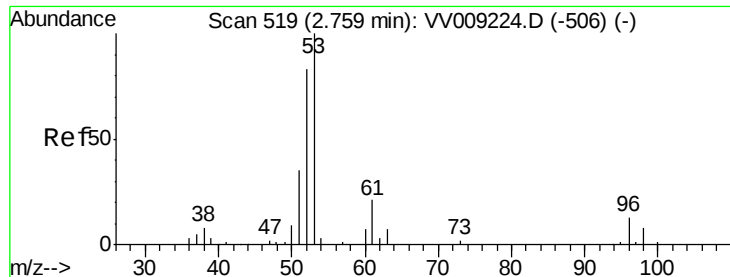


Abundance Ion 41.00 (40.70 to 41.70): VV009226.D

Ion 39.00 (38.70 to 39.70): VV009226.D

Ion 75.90 (75.60 to 76.60): VV009226.D





#15

Acrylonitrile

Concen: 835.165 ug/l

RT: 2.76 min Scan# 519

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

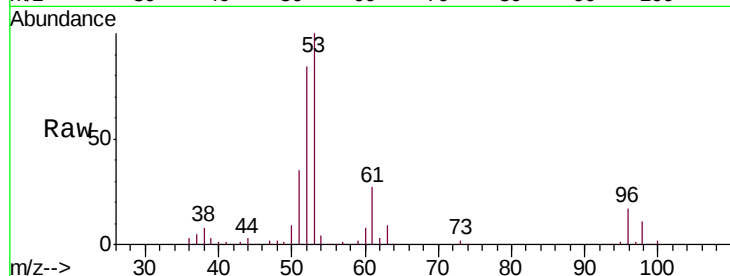
Tgt Ion: 53 Resp: 171126

Ion Ratio Lower Upper

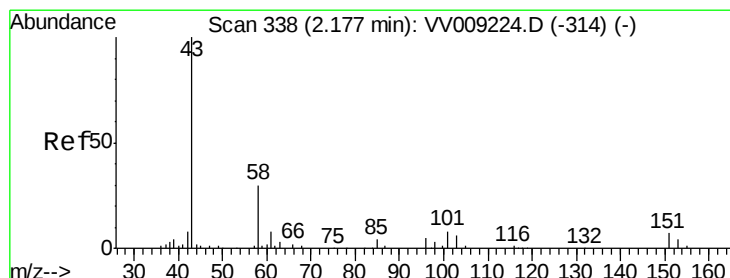
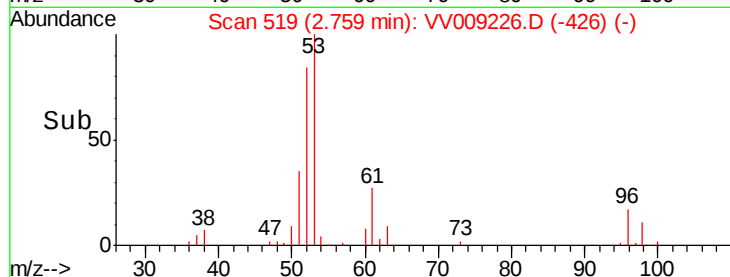
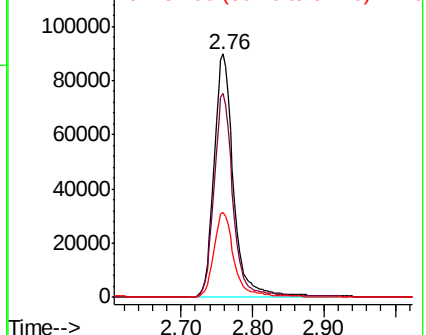
53 100

52 81.5 65.8 98.6

51 35.8 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VV0
Ion 52.00 (51.70 to 52.70): VV0
Ion 51.00 (50.70 to 51.70): VV0



#16

Acetone

Concen: 757.211 ug/l

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV009226.D

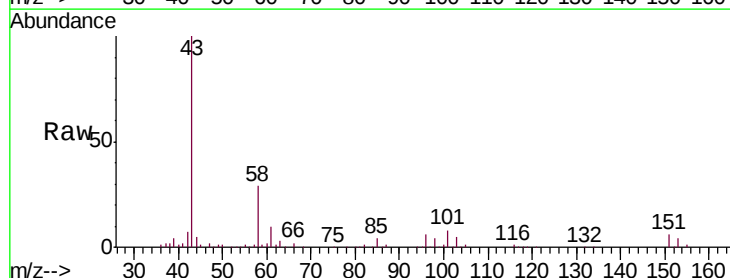
Acq: 18 Jan 2019 17:49

Tgt Ion: 43 Resp: 194801

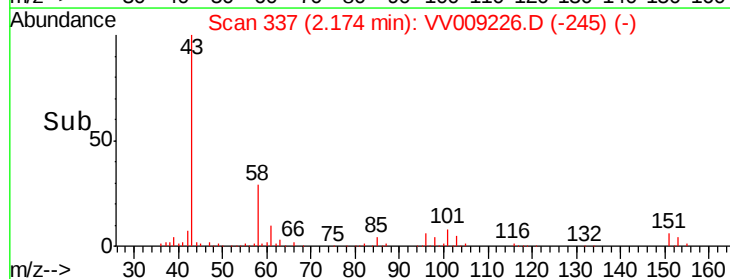
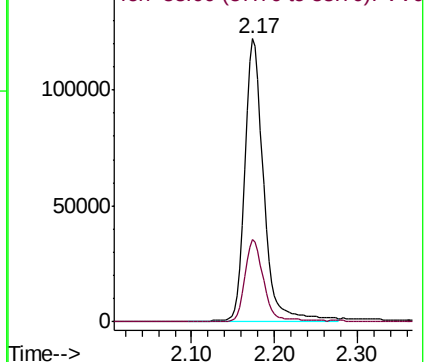
Ion Ratio Lower Upper

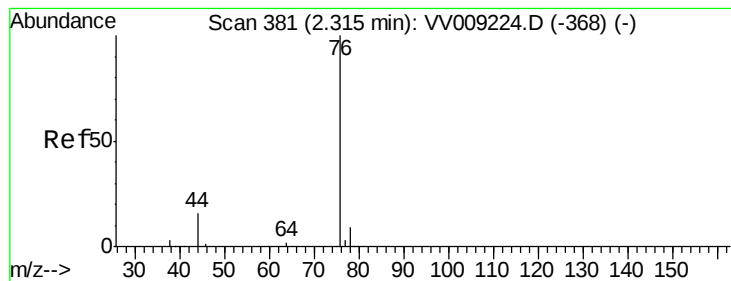
43 100

58 29.0 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0





#17

Carbon Disulfide

Concen: 154.764 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

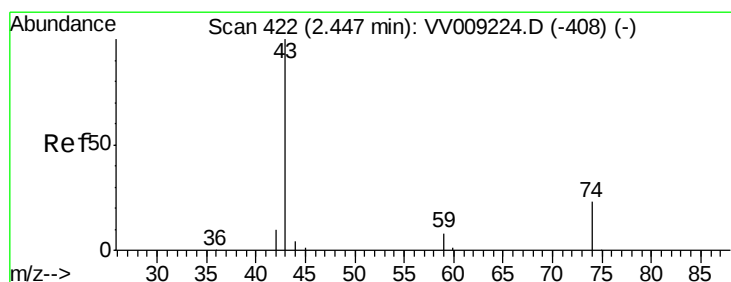
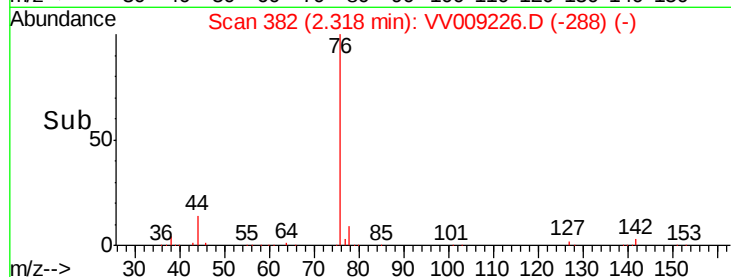
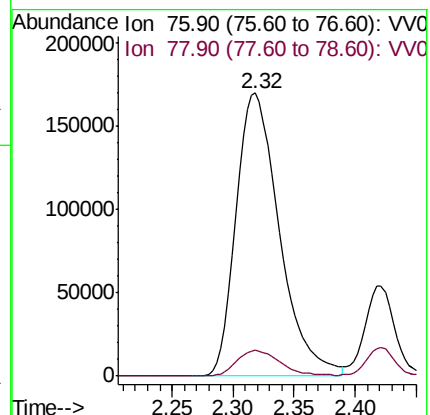
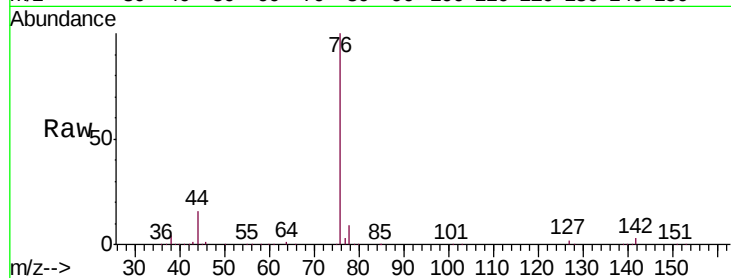
VSTDIC150

Tgt Ion: 76 Resp: 419308

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



#18

Methyl Acetate

Concen: 164.504 ug/l

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV009226.D

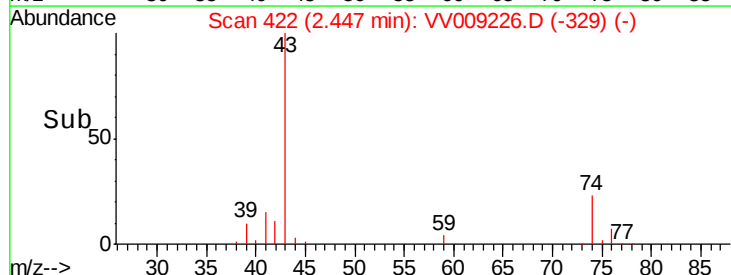
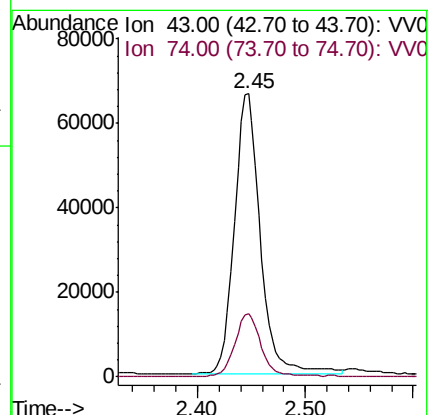
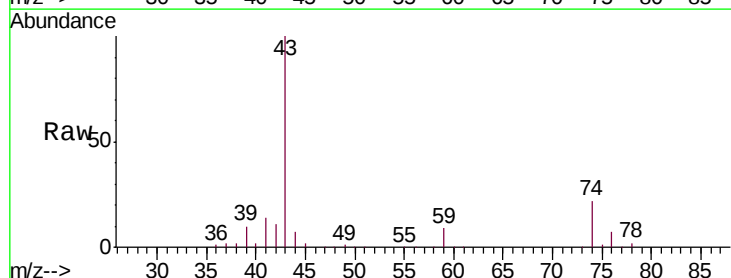
Acq: 18 Jan 2019 17:49

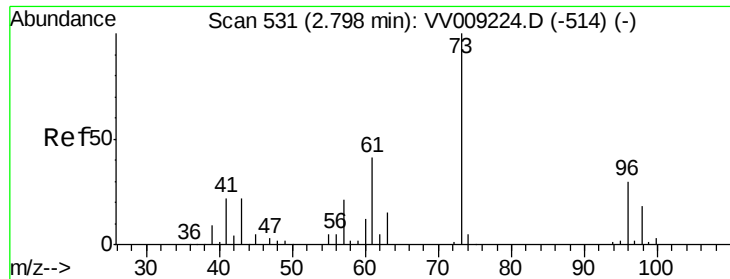
Tgt Ion: 43 Resp: 111153

Ion Ratio Lower Upper

43 100

74 23.2 19.4 29.2

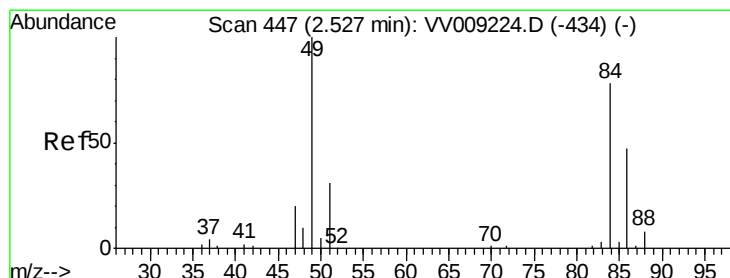
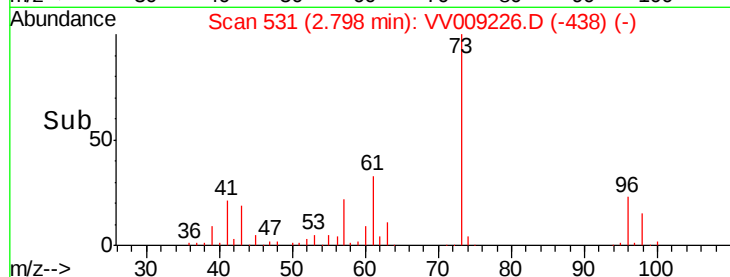
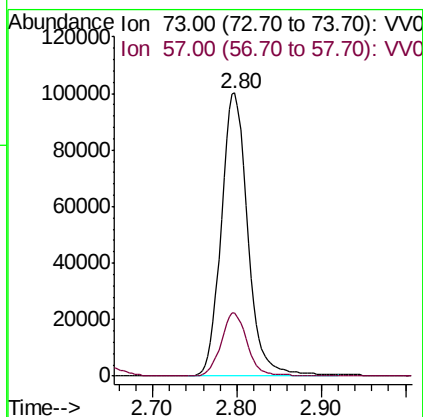
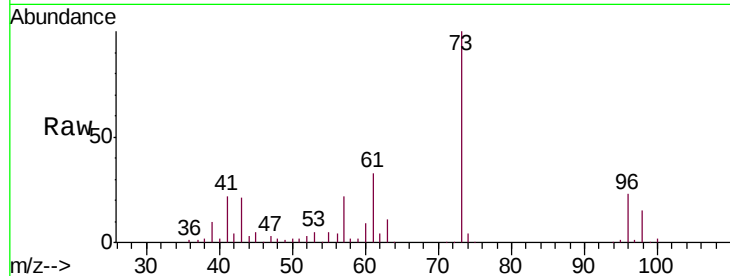




#19
Methyl tert-butyl Ether
Concen: 153.536 ug/l
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

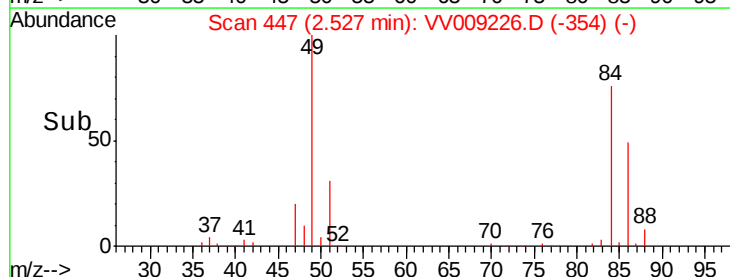
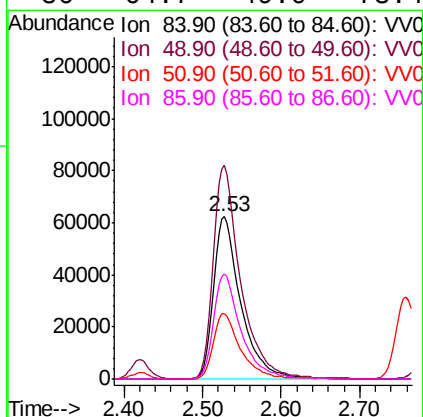
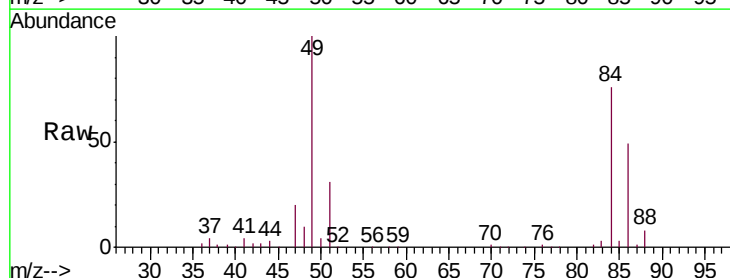
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

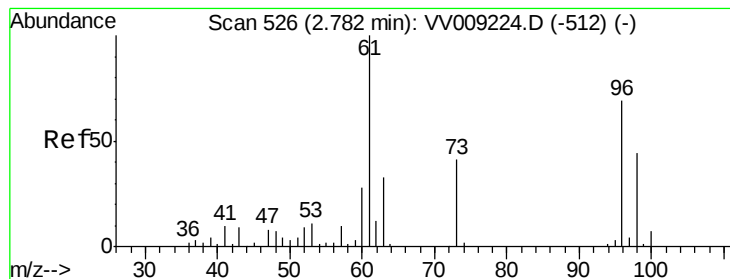
Tgt Ion: 73 Resp: 219581
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7



#20
Methylene Chloride
Concen: 149.439 ug/l
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 84 Resp: 149136
Ion Ratio Lower Upper
84 100
49 131.5 103.1 154.7
51 40.3 31.7 47.5
86 64.7 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 153.583 ug/l

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

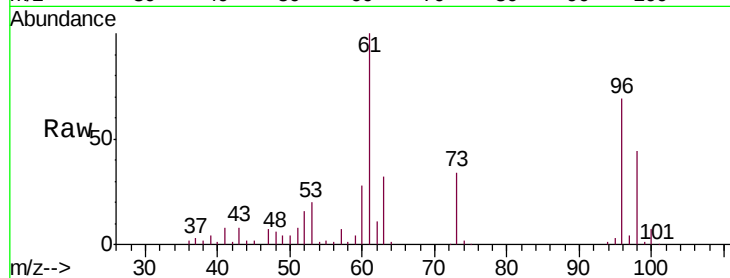
Tgt Ion: 96 Resp: 148265

Ion Ratio Lower Upper

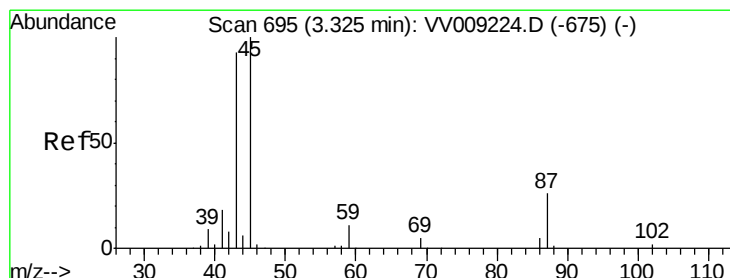
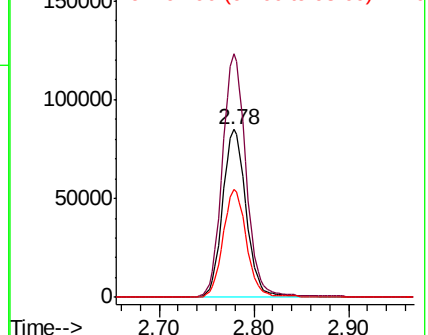
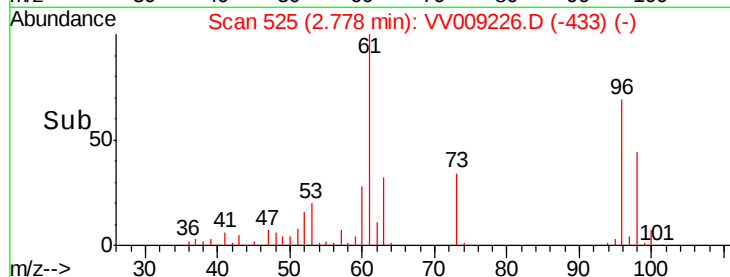
96 100

61 145.0 116.2 174.2

98 64.0 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VV009226.D (-433) (-)



#22

Diisopropyl ether

Concen: 157.813 ug/l

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion: 45 Resp: 567083

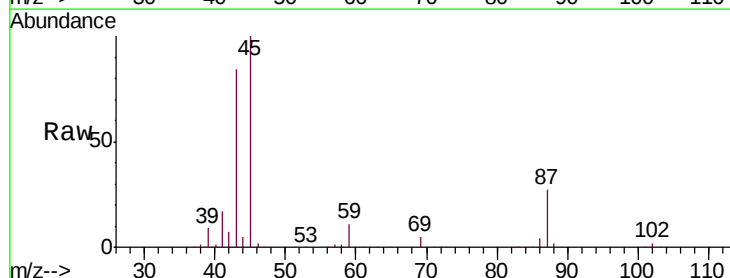
Ion Ratio Lower Upper

45 100

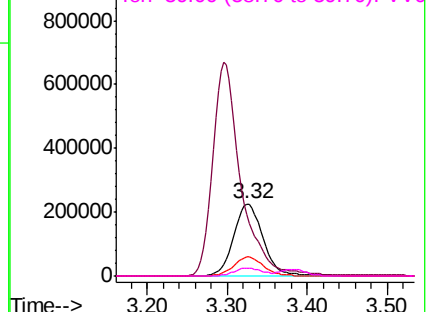
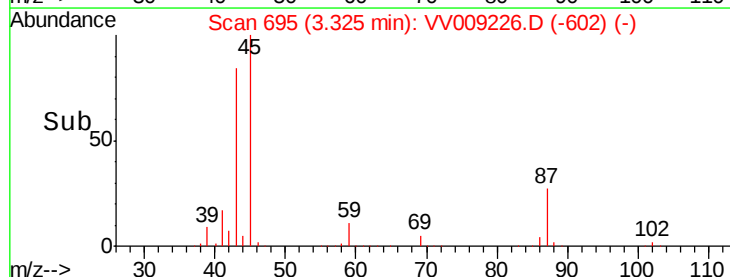
43 83.3 75.4 113.2

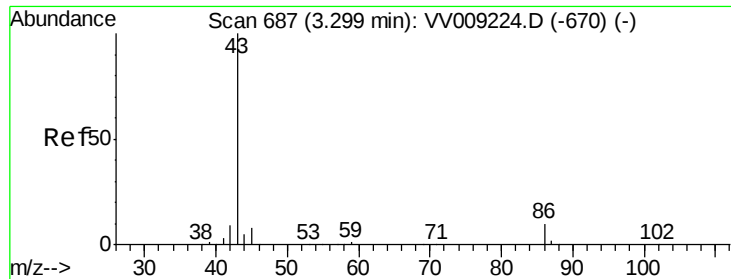
87 26.5 20.6 31.0

59 11.4 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VV009226.D (-602) (-)





#23

Vinyl Acetate

Concen: 841.008 ug/l

RT: 3.30 min Scan# 686

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

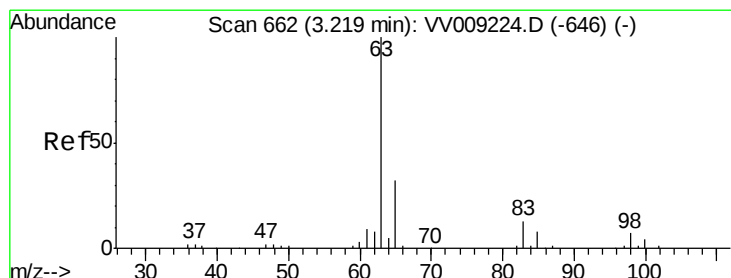
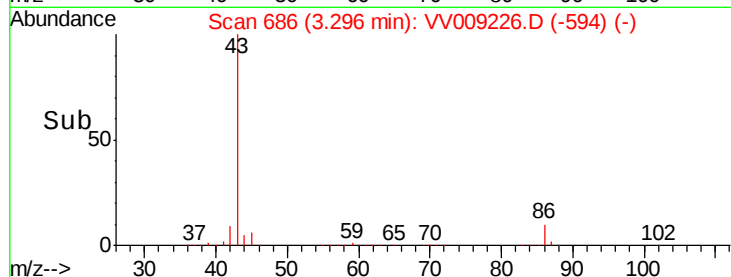
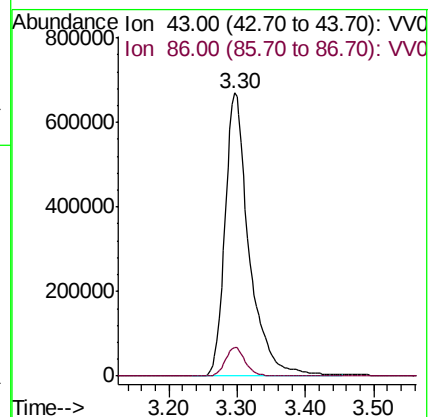
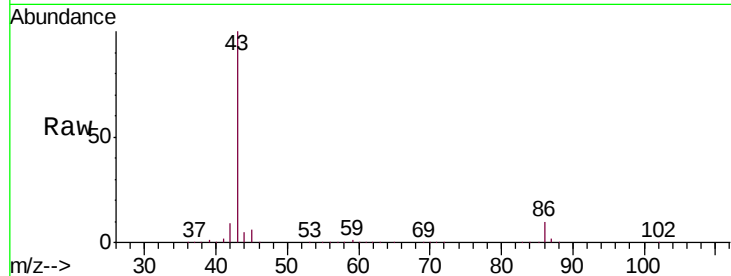
VSTDIC150

Tgt Ion: 43 Resp: 1644007

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.6



#24

1,1-Dichloroethane

Concen: 156.564 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

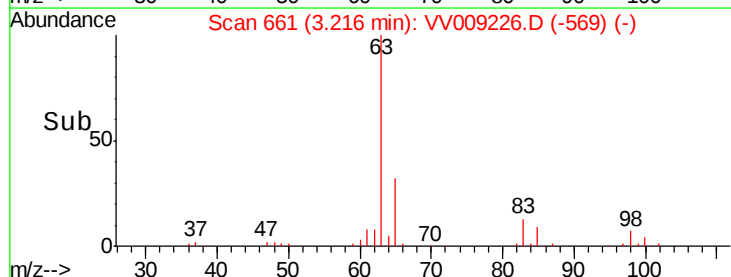
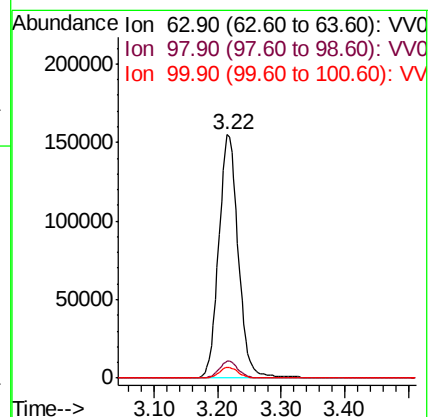
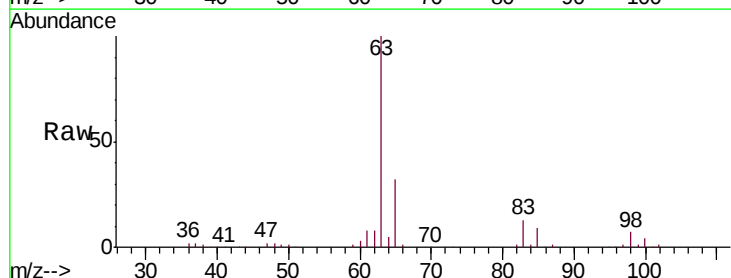
Tgt Ion: 63 Resp: 331096

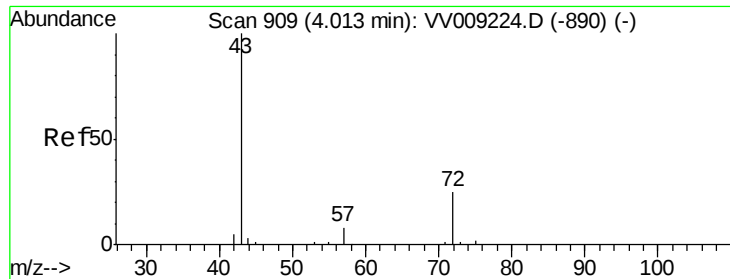
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 870.430 ug/l

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

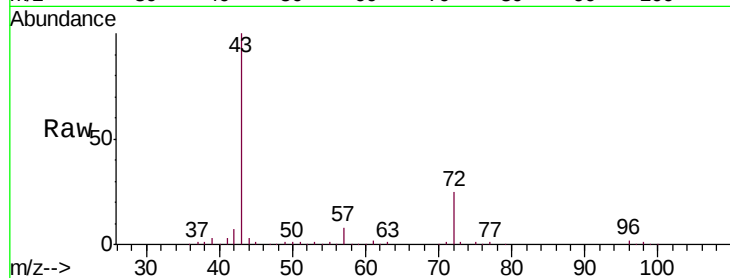
VSTDIC150

Tgt Ion: 43 Resp: 280943

Ion Ratio Lower Upper

43 100

72 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009226.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV009226.D (-890) (-)

4.01

120000

100000

80000

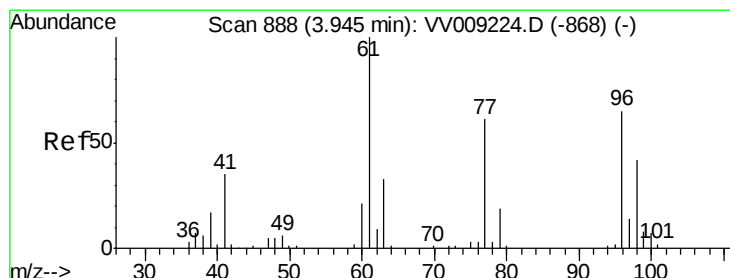
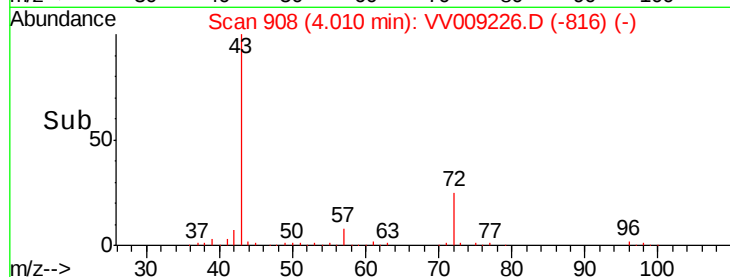
60000

40000

20000

0

Time--> 3.90 3.95 4.00 4.05 4.10



#26

2,2-Dichloropropane

Concen: 158.691 ug/l

RT: 3.95 min Scan# 888

Delta R.T. -0.00 min

Lab File: VV009226.D

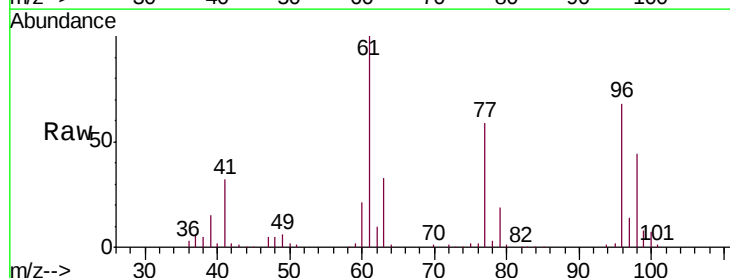
Acq: 18 Jan 2019 17:49

Tgt Ion: 77 Resp: 187259

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV009226.D (-868) (-)

Ion 96.90 (96.60 to 97.60): VV009226.D (-868) (-)

3.95

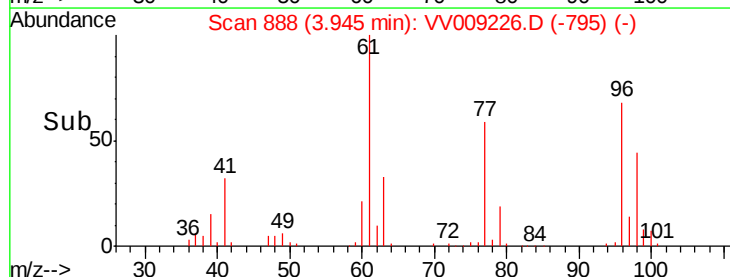
60000

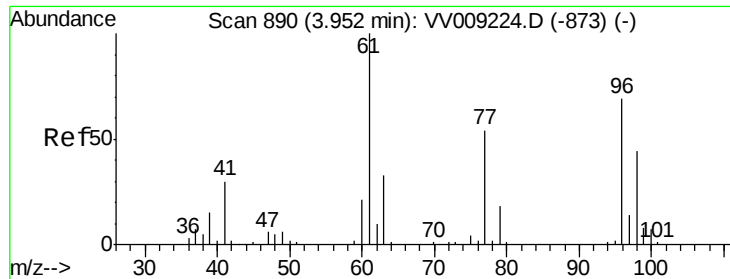
40000

20000

0

Time--> 3.80 3.90 4.00 4.10



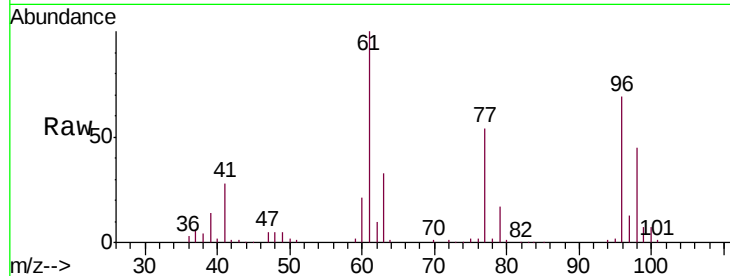


#27

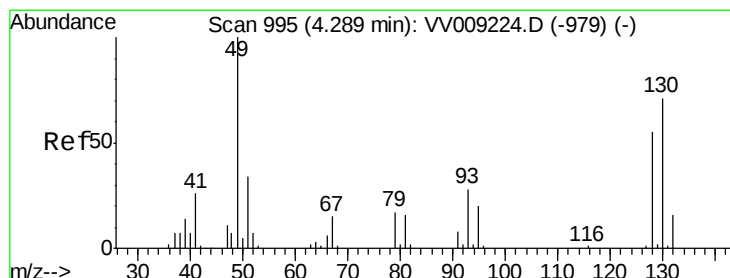
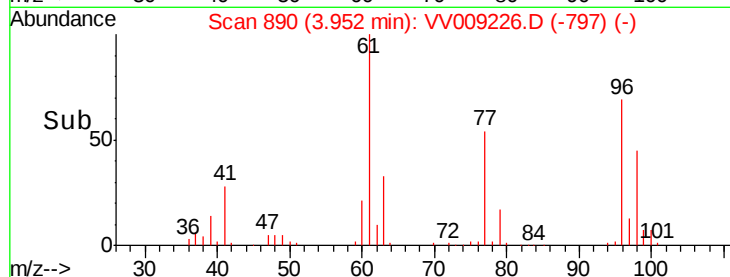
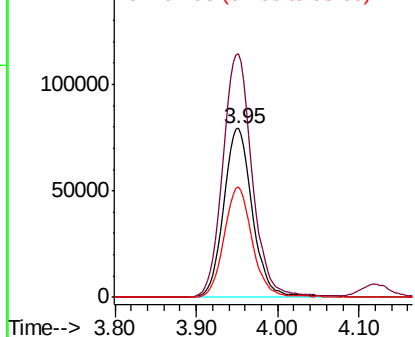
cis-1,2-Dichloroethene
Concen: 159.747 ug/l
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampled :
VSTDIC150

Tgt Ion: 96 Resp: 197490
Ion Ratio Lower Upper
96 100
61 147.6 0.0 300.4
98 64.0 0.0 129.2



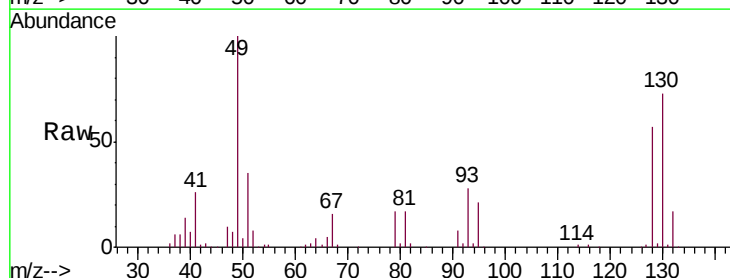
Abundance Ion 95.90 (95.60 to 96.60): VV0
Ion 60.90 (60.60 to 61.60): VV0
Ion 97.90 (97.60 to 98.60): VV0



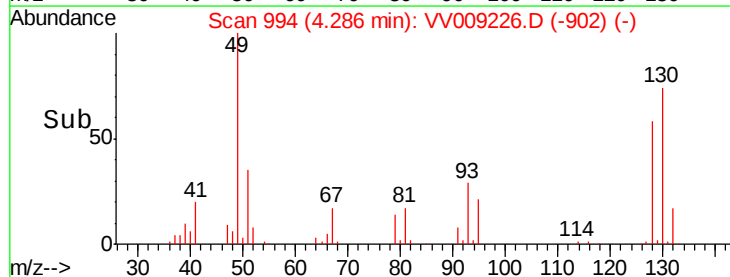
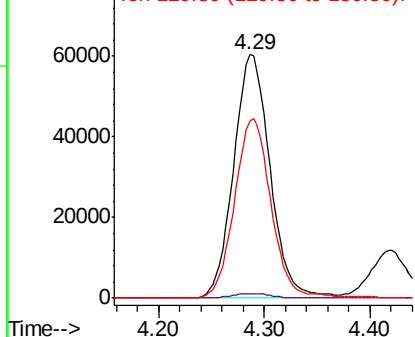
#28

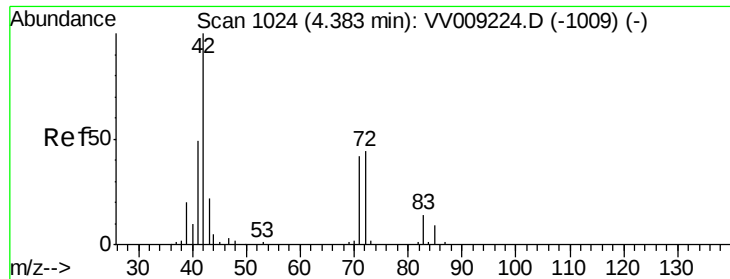
Bromochloromethane
Concen: 163.373 ug/l
RT: 4.29 min Scan# 994
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 49 Resp: 145120
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 74.3 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VV0
Ion 128.80 (128.50 to 129.50): VV0
Ion 129.80 (129.50 to 130.50): VV0





#29

Tetrahydrofuran

Concen: 868.064 ug/l

RT: 4.38 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

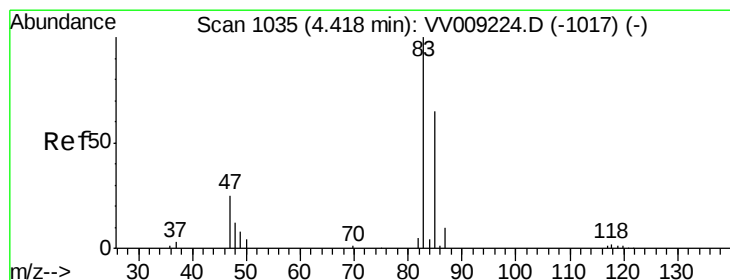
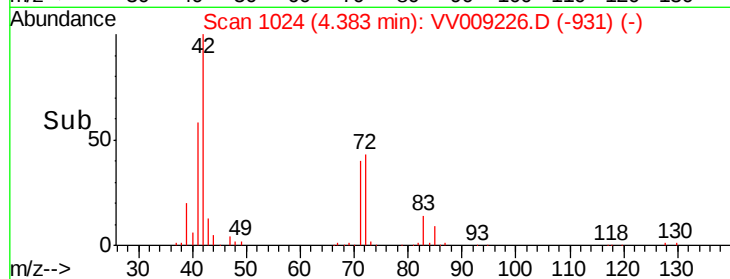
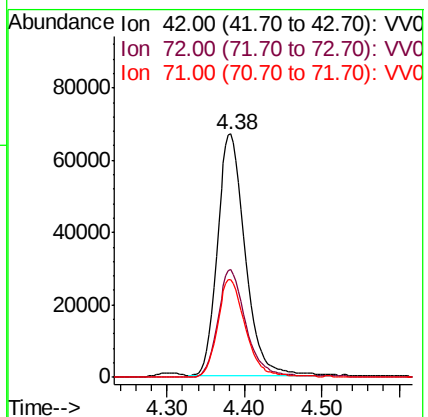
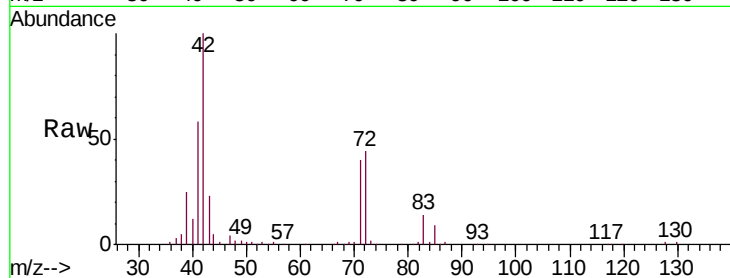
Tgt Ion: 42 Resp: 167768

Ion Ratio Lower Upper

42 100

72 44.9 35.9 53.9

71 40.9 33.6 50.4



#30

Chloroform

Concen: 157.278 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV009226.D

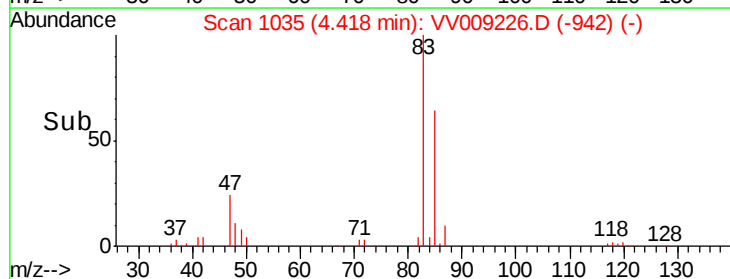
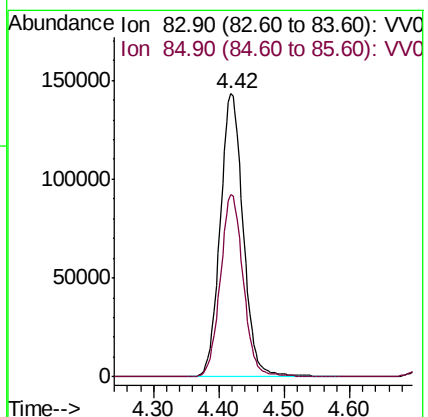
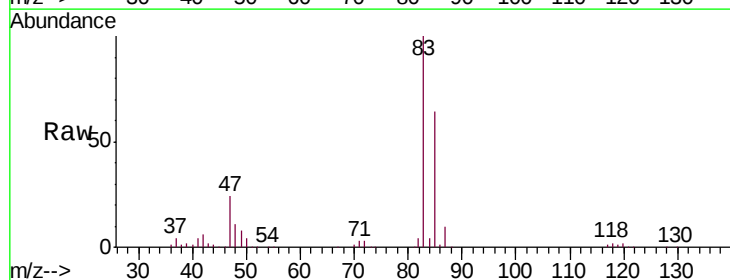
Acq: 18 Jan 2019 17:49

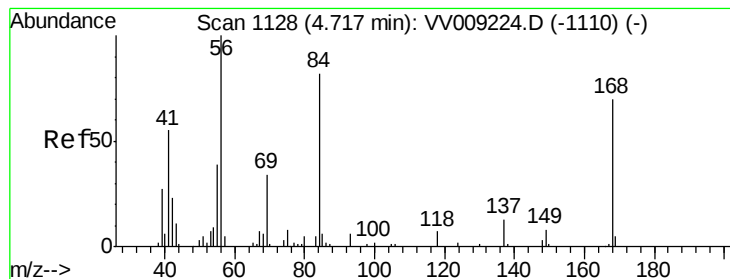
Tgt Ion: 83 Resp: 350510

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.6





#31

Cyclohexane

Concen: 148.022 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

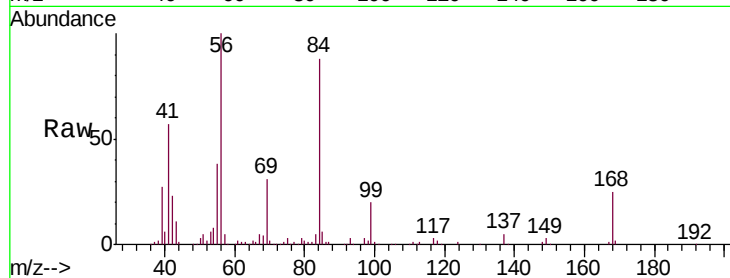
Tgt Ion: 56 Resp: 267168

Ion Ratio Lower Upper

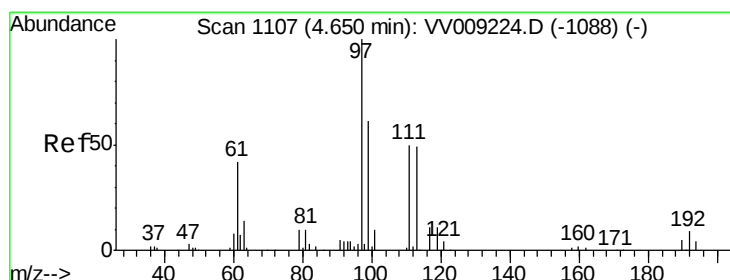
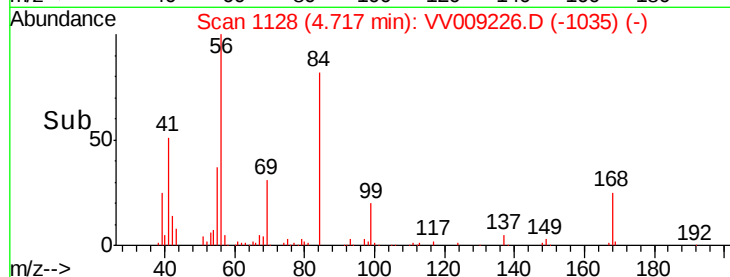
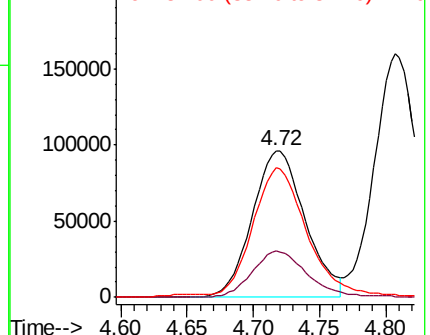
56 100

69 31.4 27.0 40.4

84 86.4 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: 150.839 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

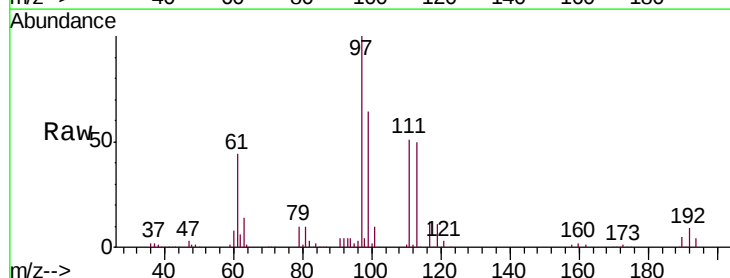
Tgt Ion: 97 Resp: 272554

Ion Ratio Lower Upper

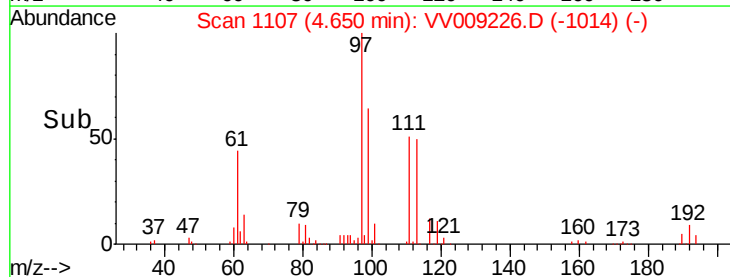
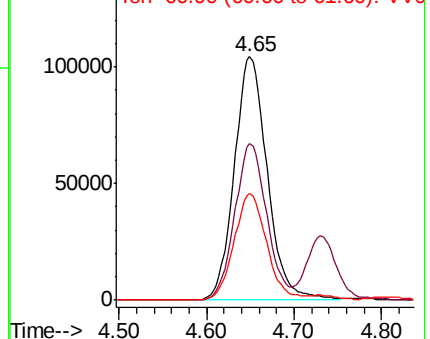
97 100

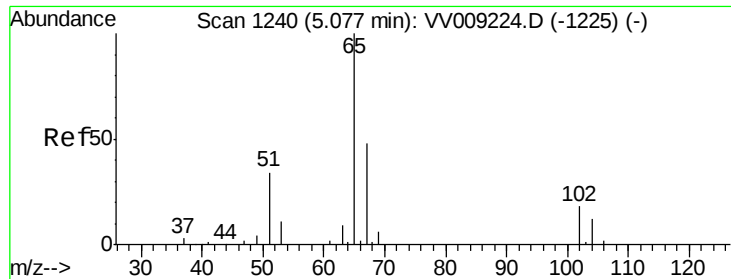
99 62.6 48.9 73.3

61 43.4 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

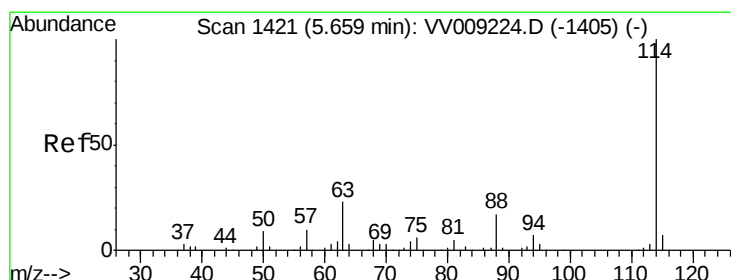
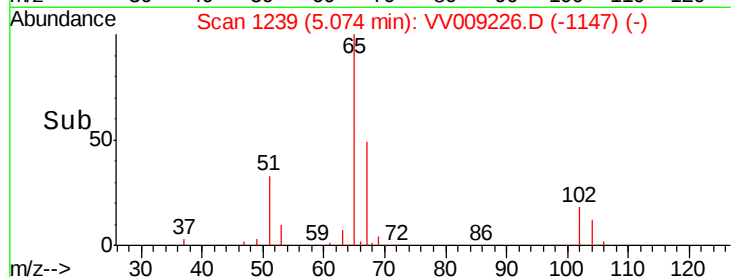
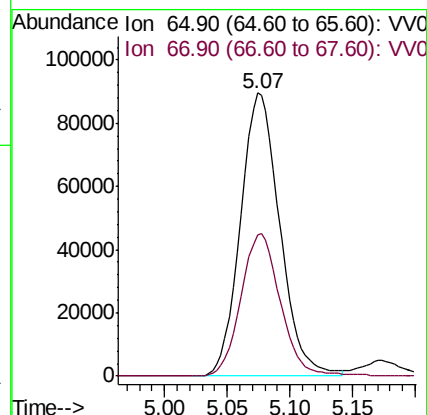
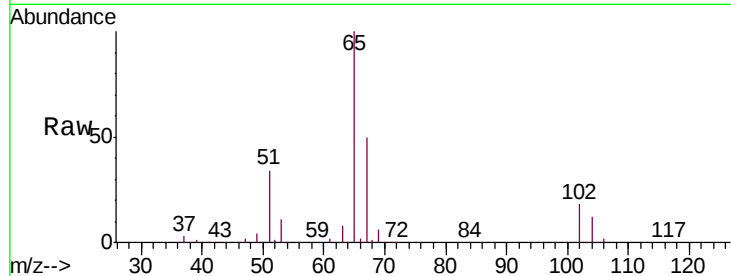




#33
 1,2-Dichloroethane-d4
 Concen: 156.439 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

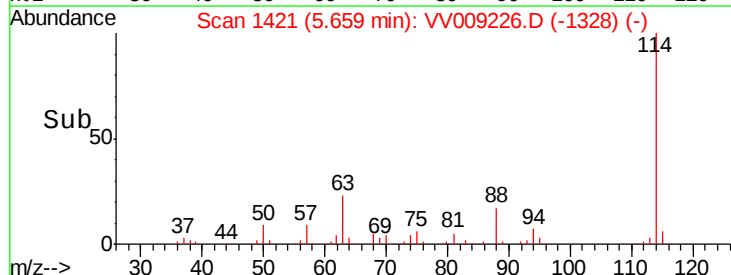
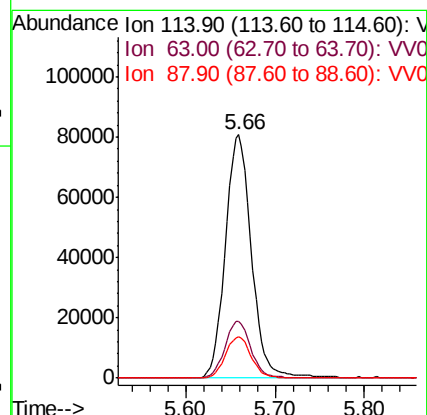
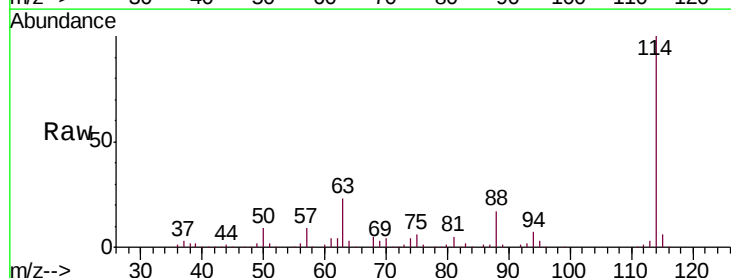
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

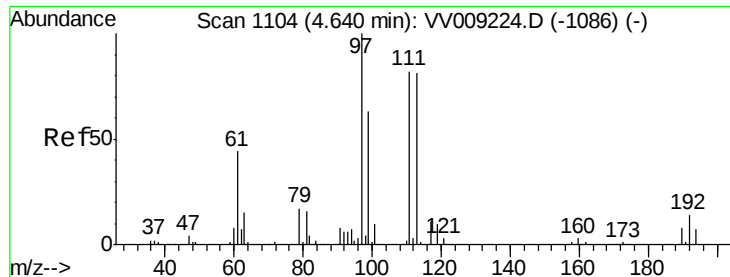
Tgt Ion: 65 Resp: 195483
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion: 114 Resp: 163727
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.2
 88 16.8 0.0 33.8

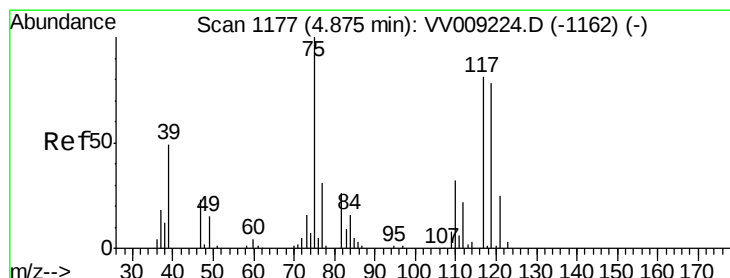
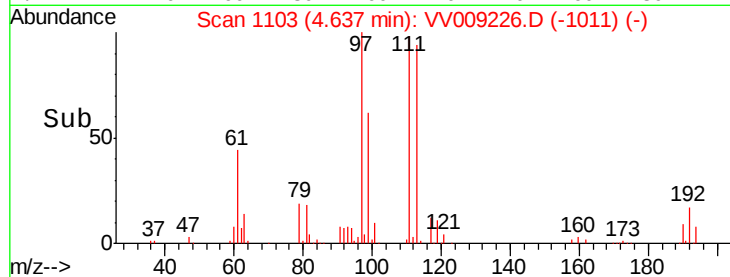
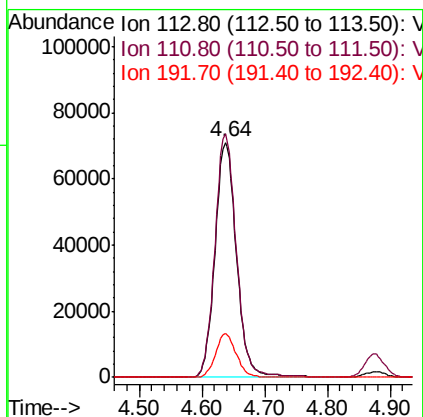
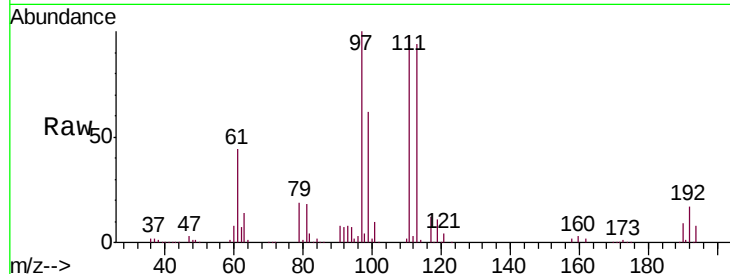




#35
Dibromofluoromethane
Concen: 157.815 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

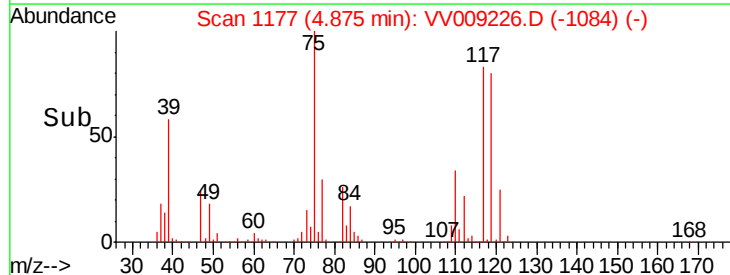
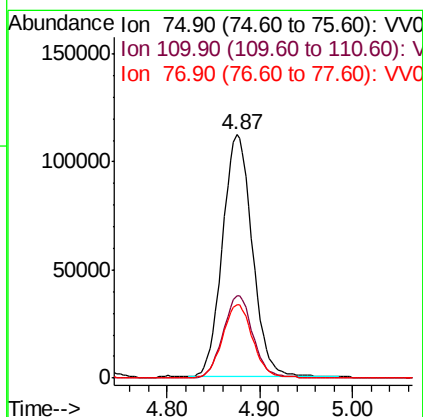
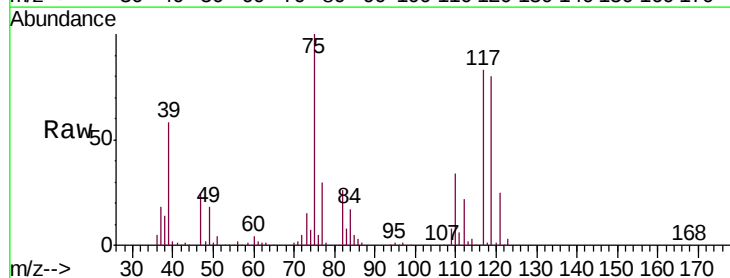
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

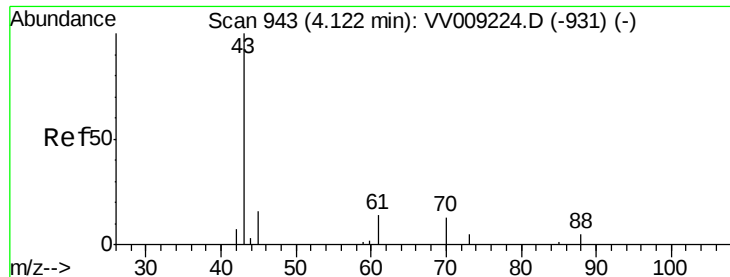
Tgt Ion: 113 Resp: 169614
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 17.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 156.173 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 75 Resp: 249625
Ion Ratio Lower Upper
75 100
110 34.3 17.3 51.7
77 30.4 24.4 36.6





#37

Ethyl Acetate

Concen: 172.292 ug/l

RT: 4.12 min Scan# 942

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

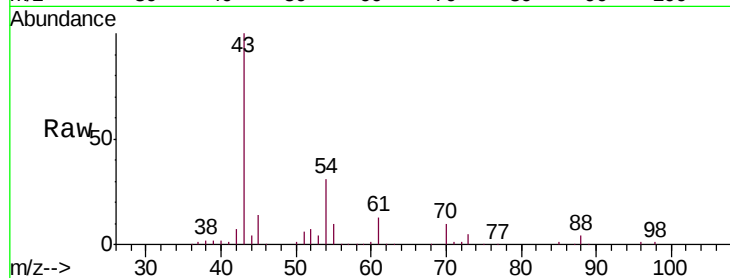
Tgt Ion: 43 Resp: 116427

Ion Ratio Lower Upper

43 100

61 13.6 9.8 14.6

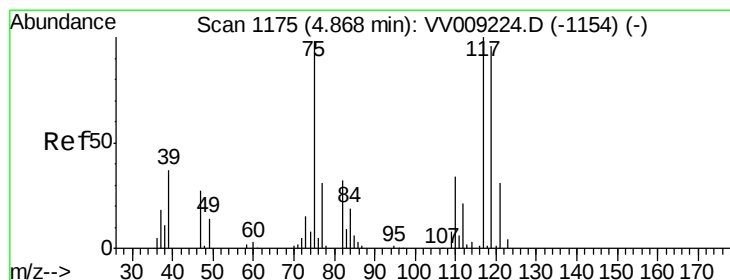
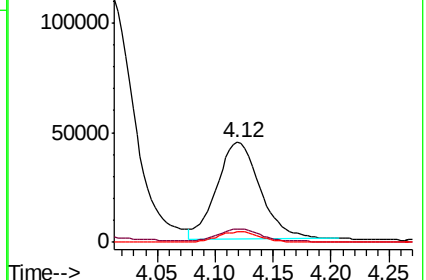
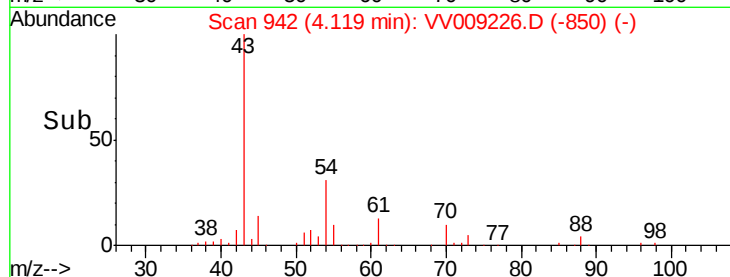
70 10.6 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VV009226.D (-850) (-)

Ion 60.90 (60.60 to 61.60): VV009226.D (-850) (-)

Ion 70.00 (69.70 to 70.70): VV009226.D (-850) (-)



#38

Carbon Tetrachloride

Concen: 156.675 ug/l

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

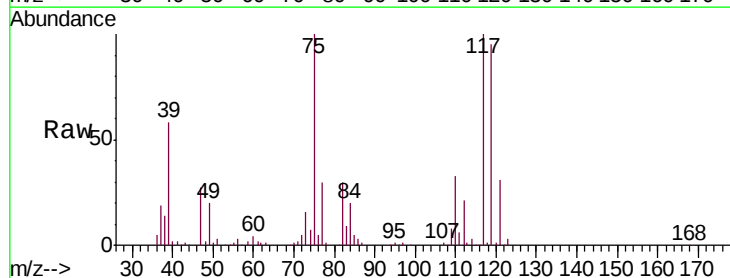
Tgt Ion: 117 Resp: 255255

Ion Ratio Lower Upper

117 100

119 95.1 77.0 115.6

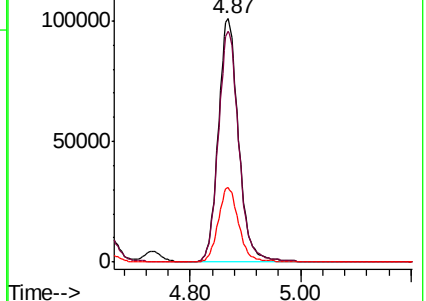
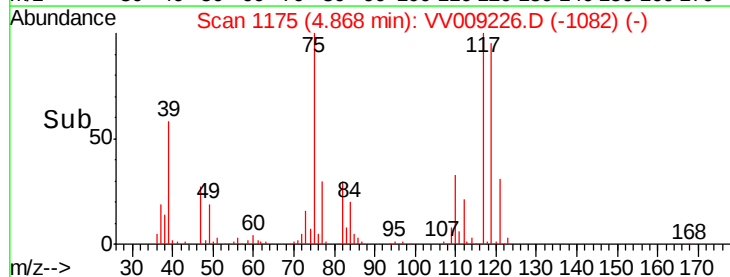
121 30.6 24.7 37.1

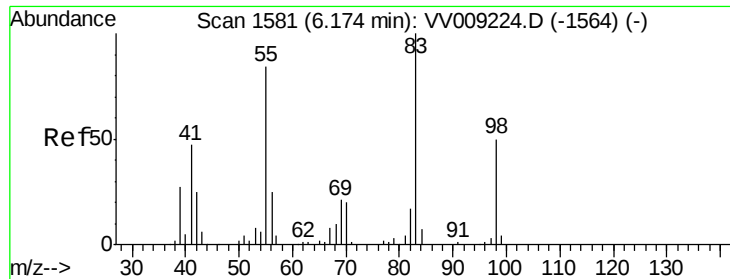


Abundance Ion 116.80 (116.50 to 117.50): VV009226.D (-1082) (-)

Ion 118.80 (118.50 to 119.50): VV009226.D (-1082) (-)

Ion 120.80 (120.50 to 121.50): VV009226.D (-1082) (-)

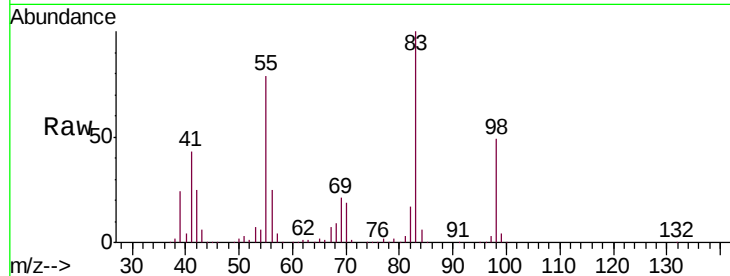




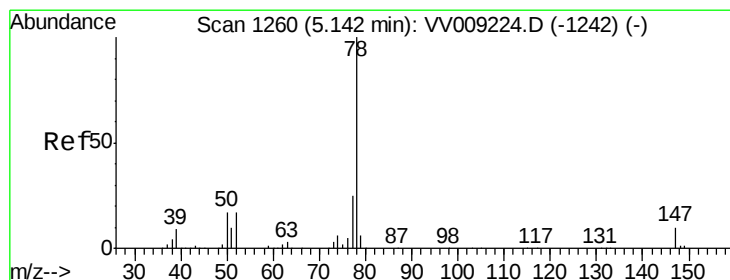
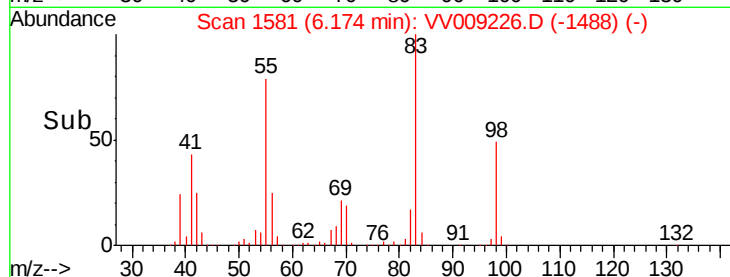
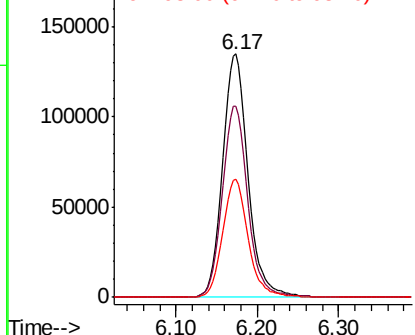
#39
Methylcyclohexane
Concen: 154.864 ug/l
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 297491
Ion Ratio Lower Upper
83 100
55 78.7 67.0 100.6
98 48.6 40.2 60.2

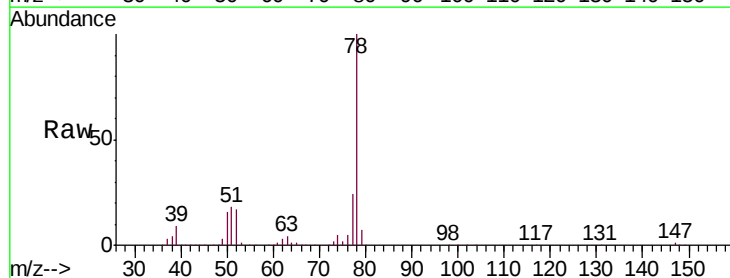


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

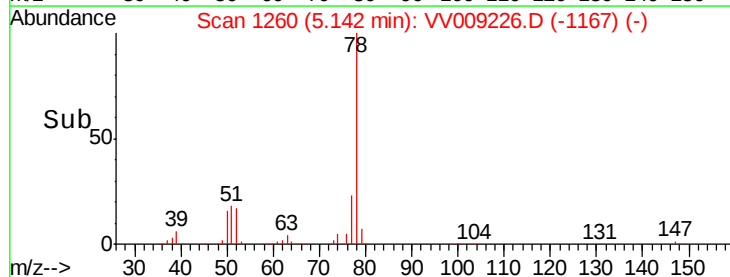
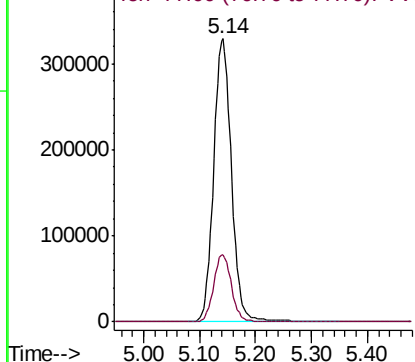


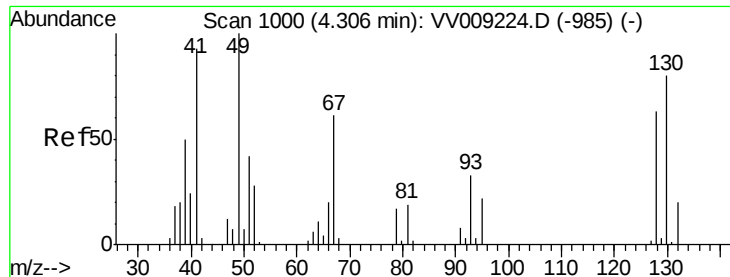
#40
Benzene
Concen: 157.253 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 78 Resp: 731220
Ion Ratio Lower Upper
78 100
77 23.9 19.8 29.6



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

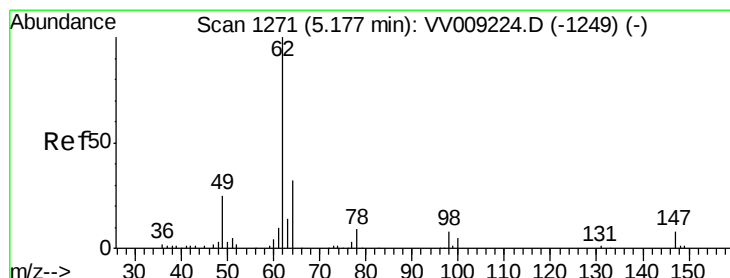
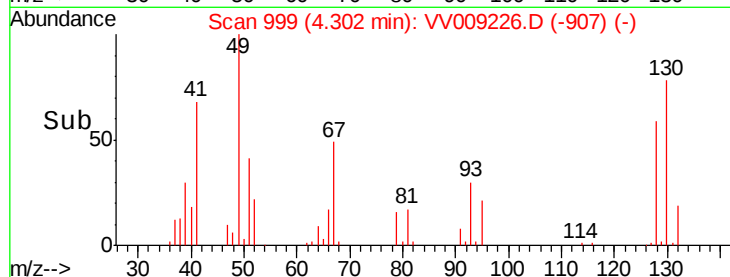
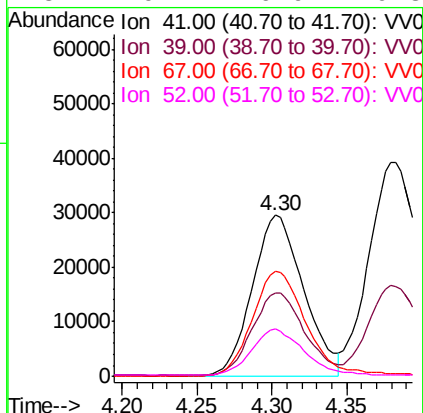
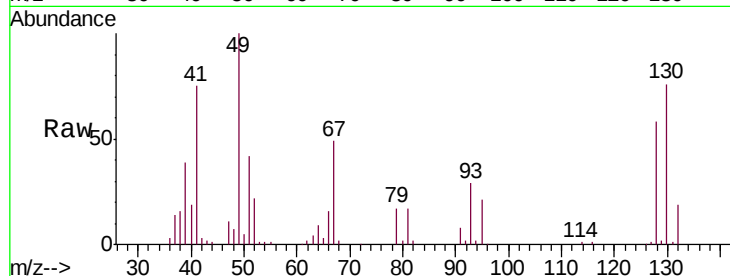




#41
Methacrylonitrile
Concen: 178.725 ug/l
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

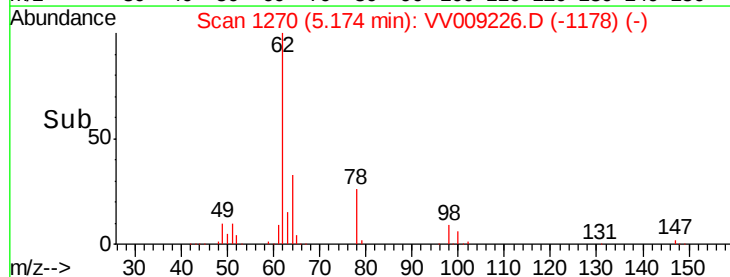
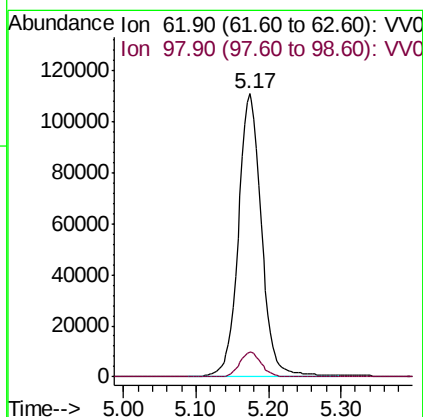
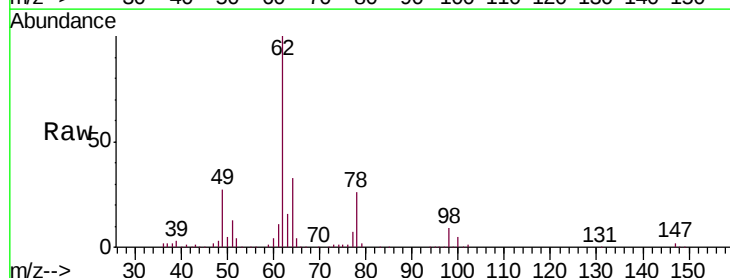
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

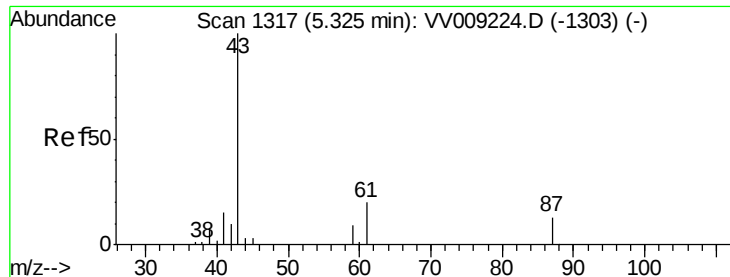
Tgt Ion:	41	Resp:	70804
Ion	Ratio	Lower	Upper
41	100		
39	52.2	44.8	67.2
67	68.8	57.5	86.3
52	29.1	26.9	40.3



#42
1,2-Dichloroethane
Concen: 157.946 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion:	62	Resp:	246225
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





#43

Isopropyl Acetate

Concen: 177.695 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

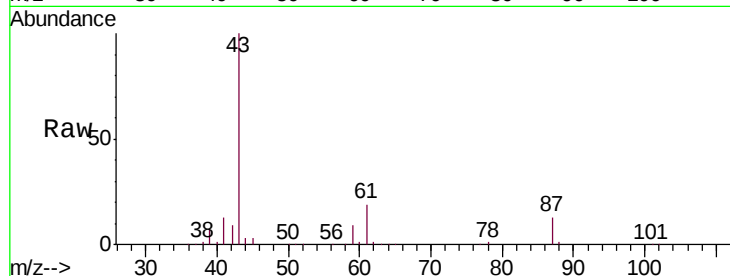
Tgt Ion: 43 Resp: 235072

Ion Ratio Lower Upper

43 100

61 18.7 15.1 22.7

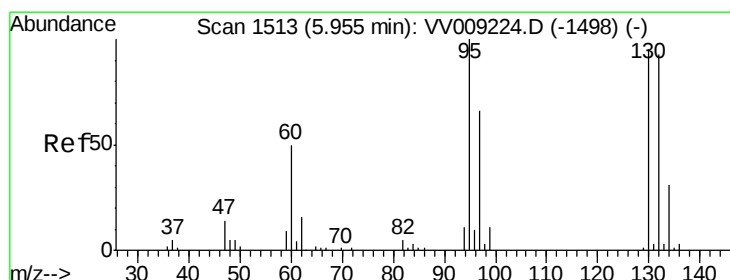
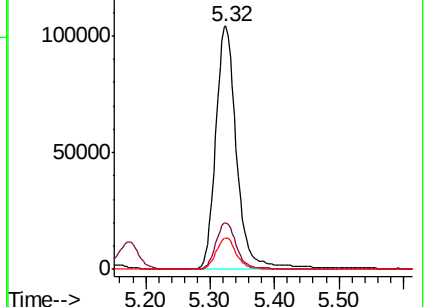
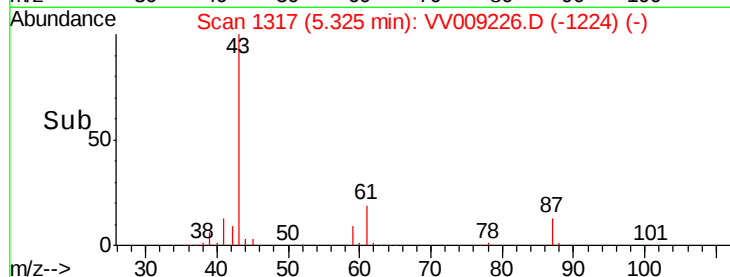
87 12.8 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VV009226.D (-1224) (-)

Ion 61.00 (60.70 to 61.70): VV009226.D (-1224) (-)

Ion 87.00 (86.70 to 87.70): VV009226.D (-1224) (-)



#44

Trichloroethene

Concen: 161.037 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009226.D

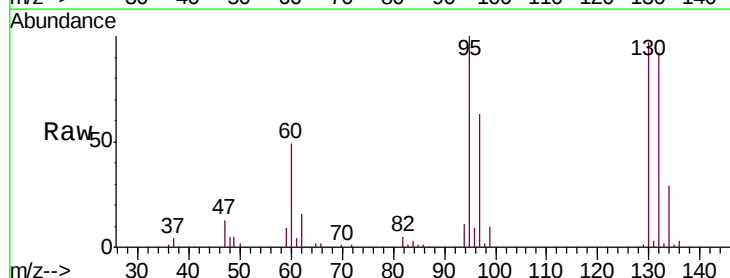
Acq: 18 Jan 2019 17:49

Tgt Ion: 130 Resp: 188278

Ion Ratio Lower Upper

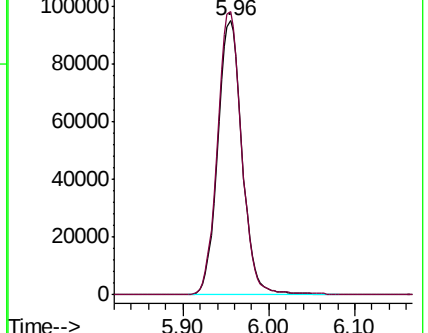
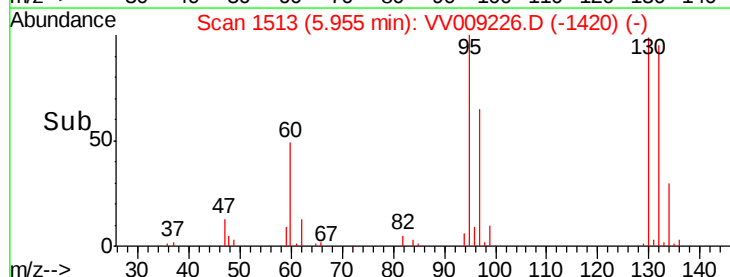
130 100

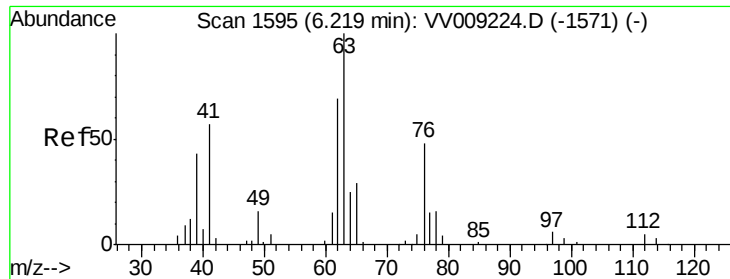
95 103.4 0.0 209.4



Abundance Ion 129.80 (129.50 to 130.50): VV009226.D (-1420) (-)

Ion 94.90 (94.60 to 95.60): VV009226.D (-1420) (-)





#45

1,2-Dichloropropane

Concen: 158.637 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

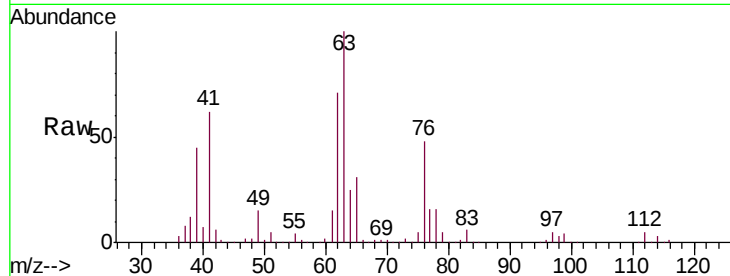
VSTDIC150

Tgt Ion: 63 Resp: 184137

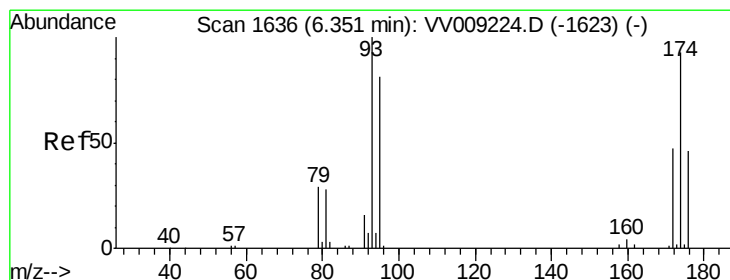
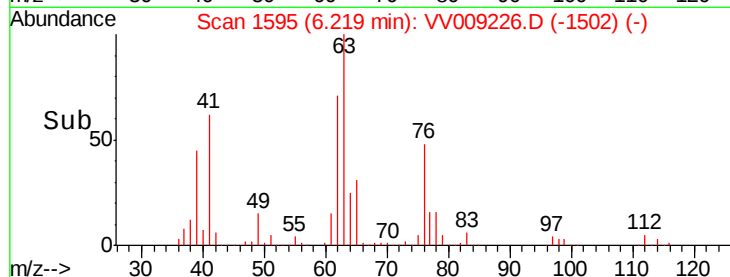
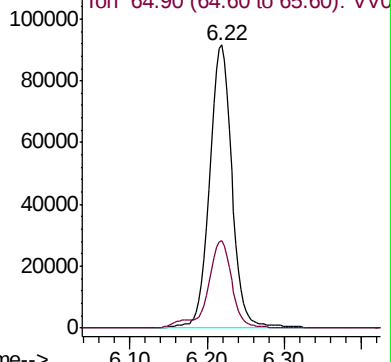
Ion Ratio Lower Upper

63 100

65 30.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VV009226.D (-1502) (-)



#46

Dibromomethane

Concen: 165.011 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

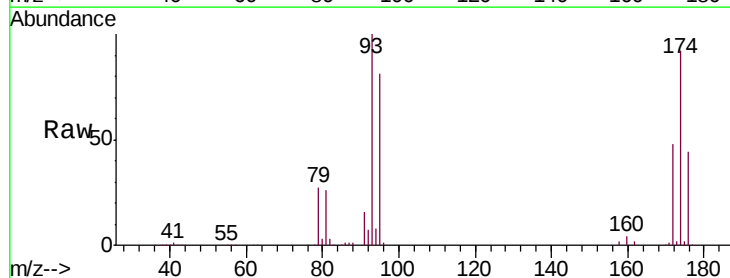
Tgt Ion: 93 Resp: 101157

Ion Ratio Lower Upper

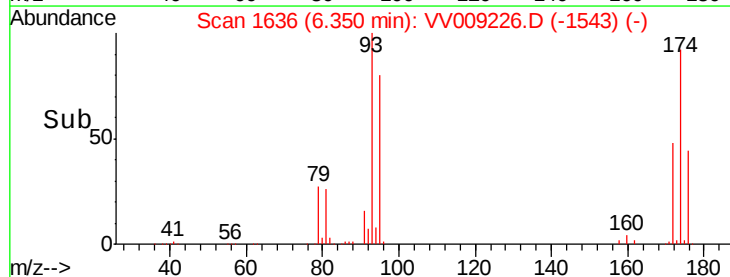
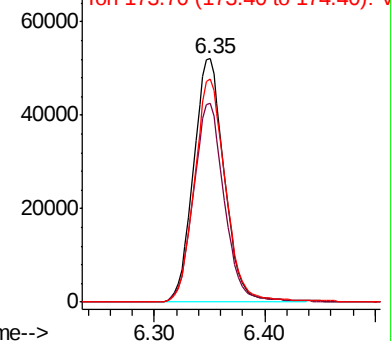
93 100

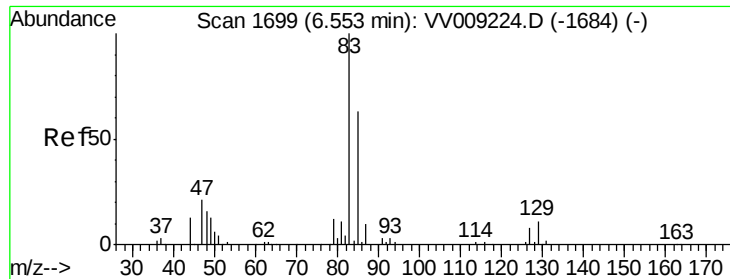
95 81.9 66.2 99.4

174 91.9 73.0 109.6



Abundance Ion 92.80 (92.50 to 93.50): VV009226.D (-1543) (-)





#47

Bromodichloromethane

Concen: 163.365 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

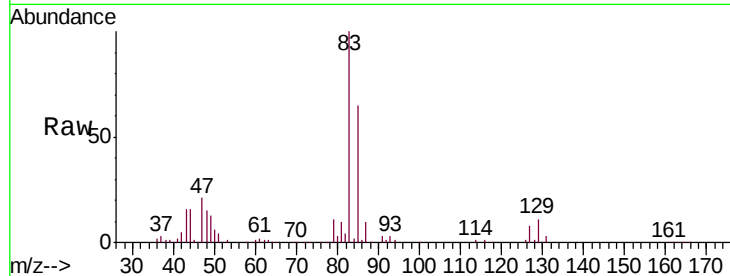
Tgt Ion: 83 Resp: 265848

Ion Ratio Lower Upper

83 100

85 65.0 50.6 75.8

127 8.5 6.5 9.7

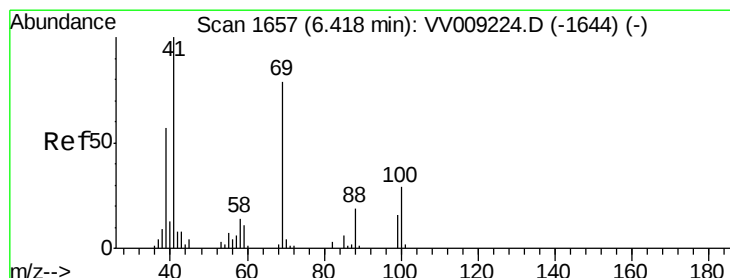
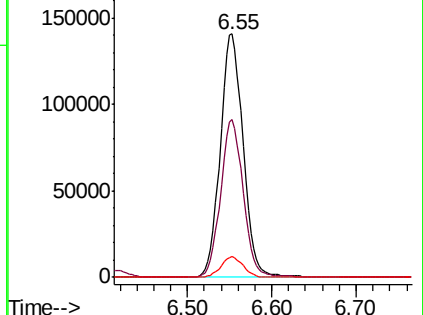
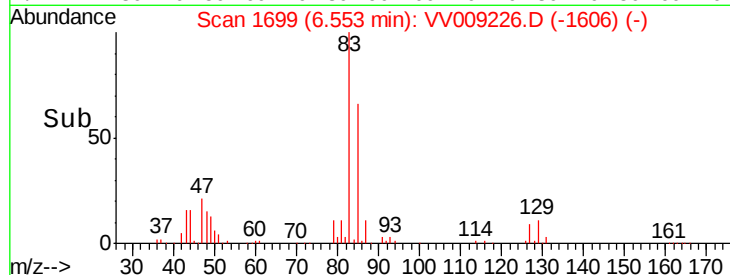


Abundance Ion 82.90 (82.60 to 83.60): VV009226.D (-1684) (-)

Ion 84.90 (84.60 to 85.60): VV009226.D (-1684) (-)

Ion 126.80 (126.50 to 127.50): VV009226.D (-1684) (-)

Time-->



#48

Methyl methacrylate

Concen: 171.660 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

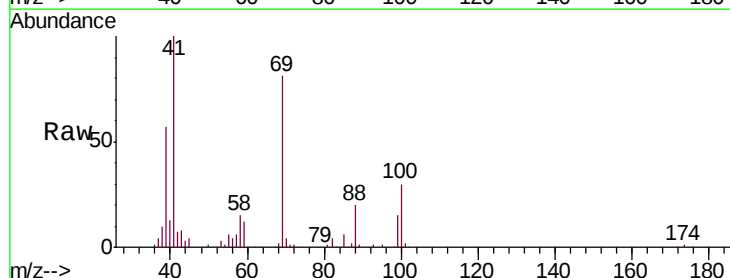
Tgt Ion: 41 Resp: 119166

Ion Ratio Lower Upper

41 100

69 82.9 62.2 93.4

39 56.3 44.7 67.1

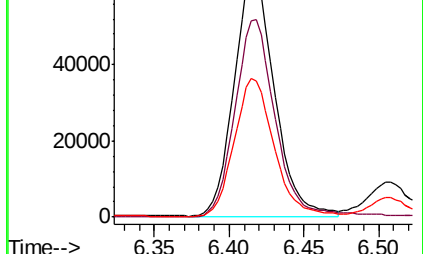
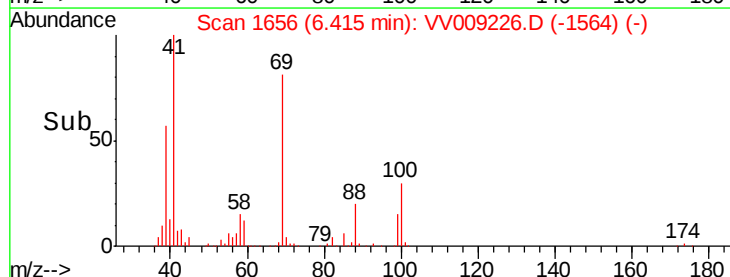


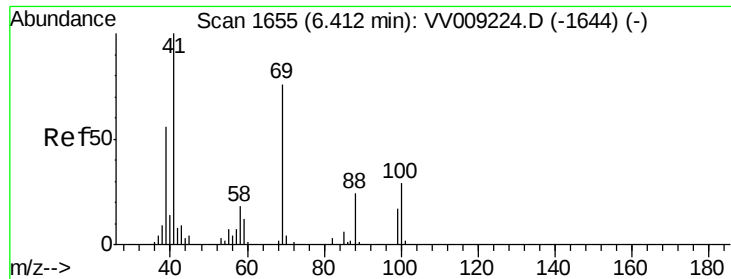
Abundance Ion 41.00 (40.70 to 41.70): VV009226.D (-1564) (-)

Ion 69.00 (68.70 to 69.70): VV009226.D (-1564) (-)

Ion 39.00 (38.70 to 39.70): VV009226.D (-1564) (-)

Time-->

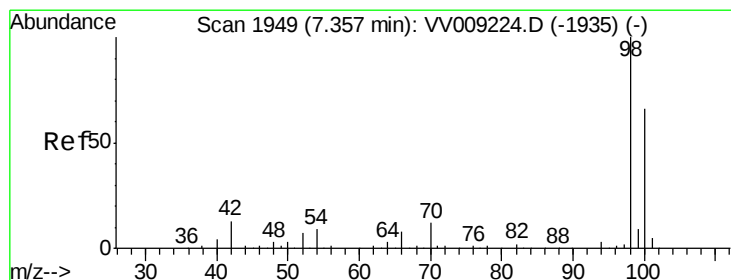
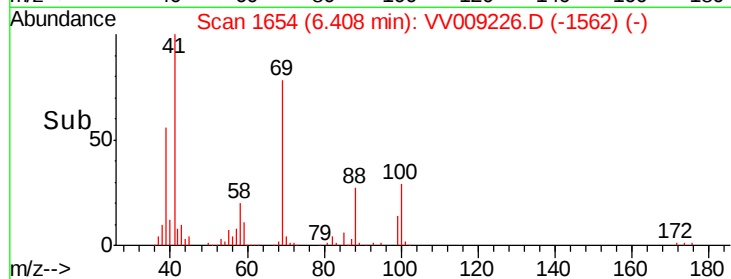
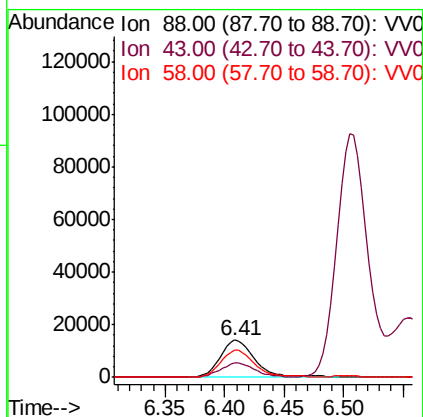
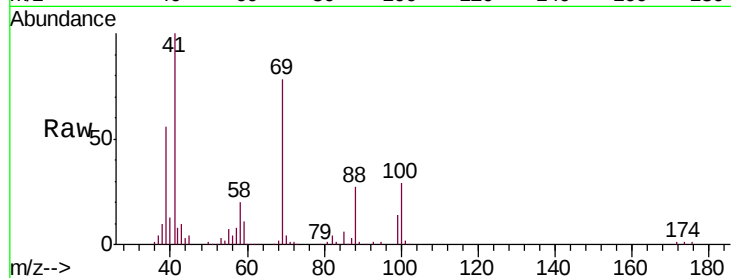




#49
1,4-Dioxane
Concen: 3456.140 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

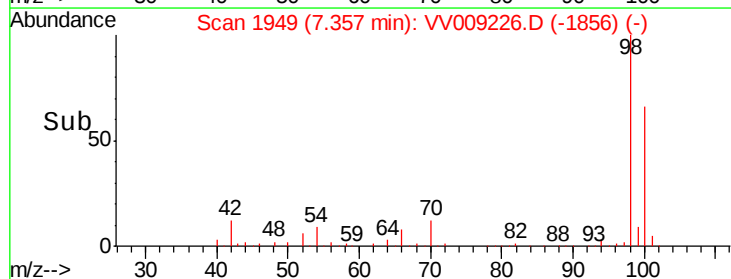
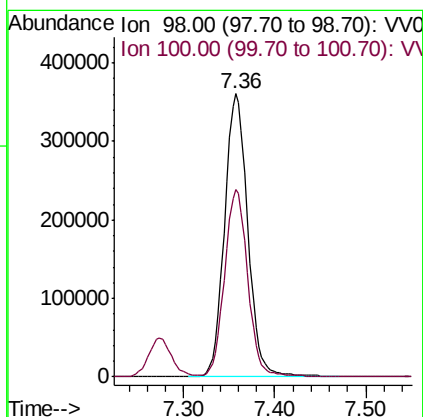
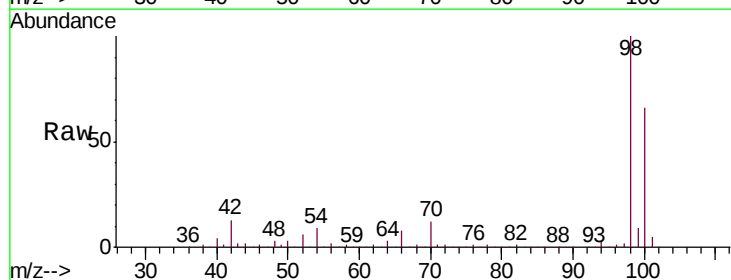
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

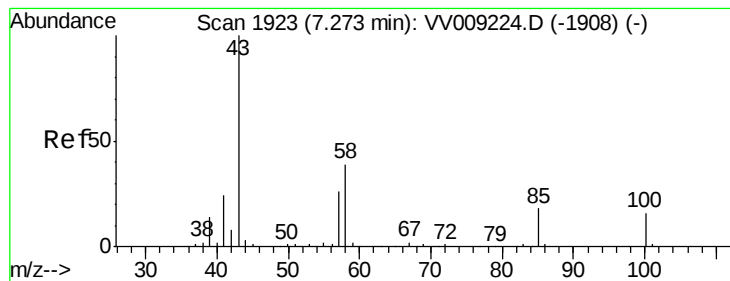
Tgt Ion: 88 Resp: 28488
Ion Ratio Lower Upper
88 100
43 37.4 31.3 46.9
58 73.1 59.6 89.4



#50
Toluene-d8
Concen: 157.479 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 98 Resp: 640811
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 850.763 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

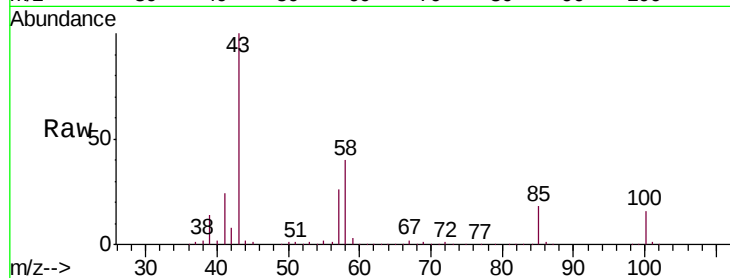
VSTDIC150

Tgt Ion: 43 Resp: 588520

Ion Ratio Lower Upper

43 100

58 38.3 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VV009226.D (-1830) (-)

Ion 58.00 (57.70 to 58.70): VV009226.D (-1830) (-)

7.27

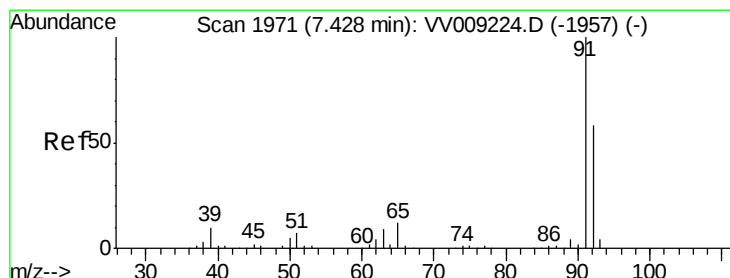
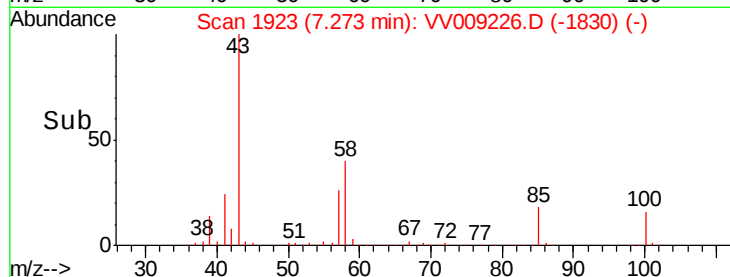
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 156.630 ug/l

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009226.D

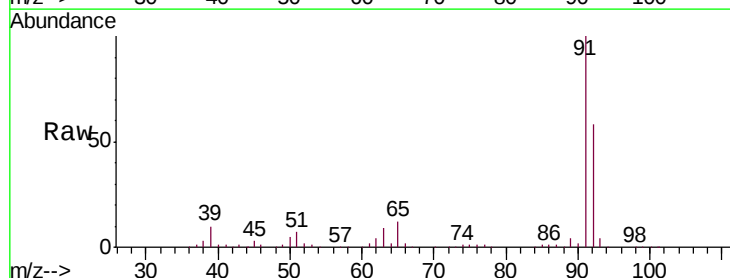
Acq: 18 Jan 2019 17:49

Tgt Ion: 92 Resp: 461749

Ion Ratio Lower Upper

92 100

91 172.3 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VV009226.D (-1878) (-)

Ion 91.00 (90.70 to 91.70): VV009226.D (-1878) (-)

7.43

500000

400000

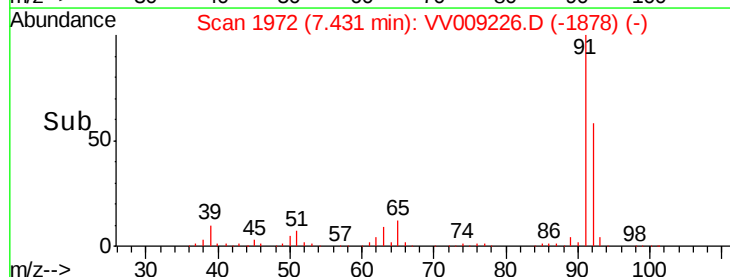
300000

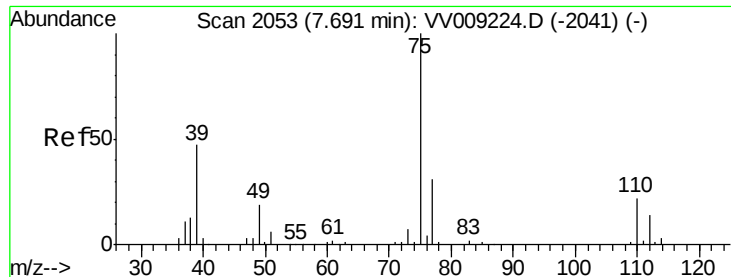
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 172.287 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

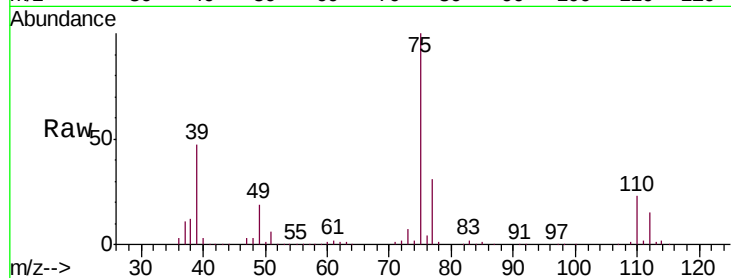
VSTDIC150

Tgt Ion: 75 Resp: 274951

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VV009226.D (-1960) (-)

Ion 76.90 (76.60 to 77.60): VV009226.D (-1960) (-)

7.69

150000

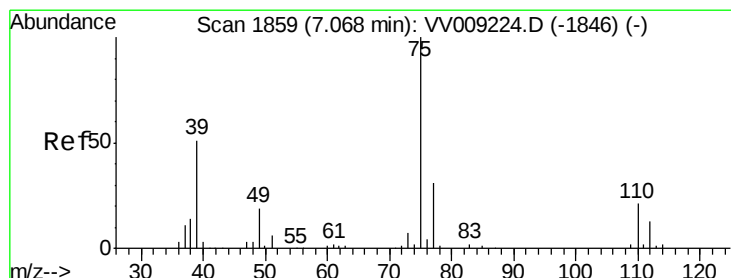
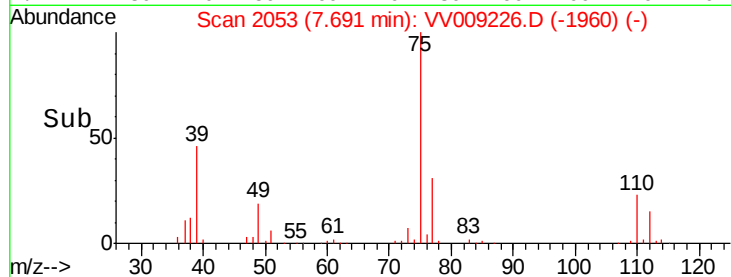
100000

50000

0

7.60 7.70 7.80 7.90

Time-->



#54

cis-1,3-Dichloropropene

Concen: 166.112 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

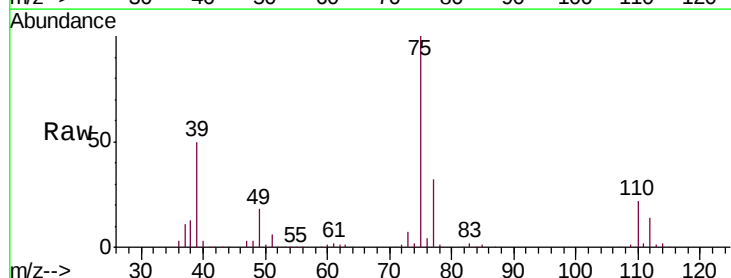
Tgt Ion: 75 Resp: 306248

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 50.0 40.8 61.2



Abundance Ion 74.90 (74.60 to 75.60): VV009226.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VV009226.D (-1766) (-)

Ion 39.00 (38.70 to 39.70): VV009226.D (-1766) (-)

7.07

200000

150000

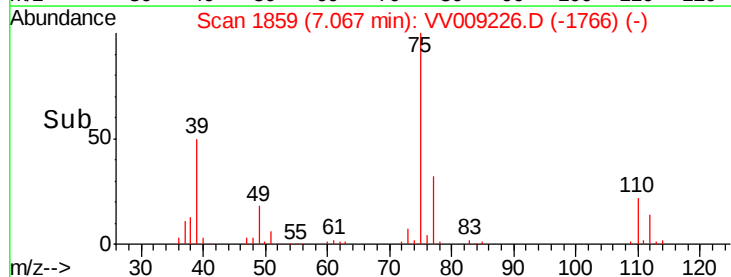
100000

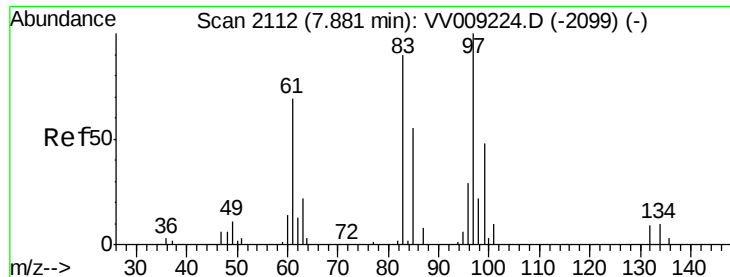
50000

0

7.00 7.05 7.10 7.15

Time-->

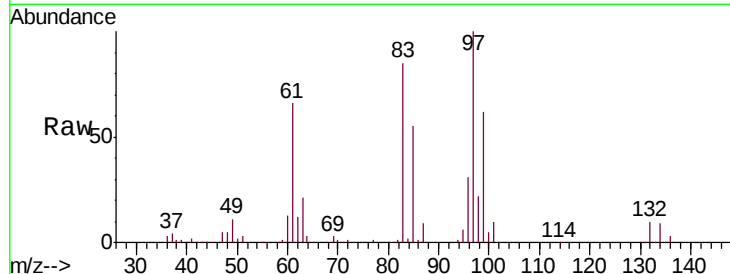




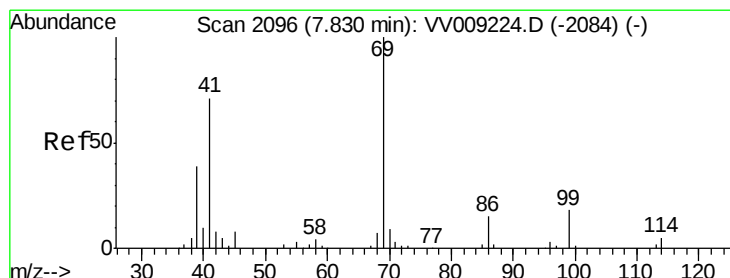
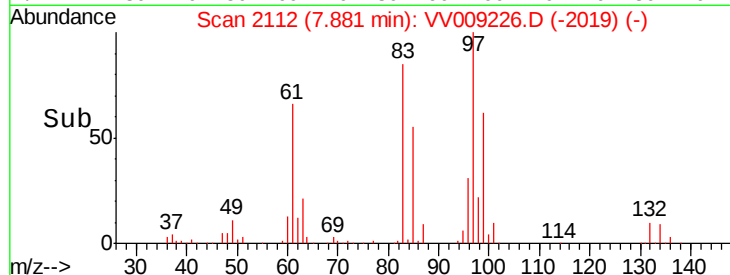
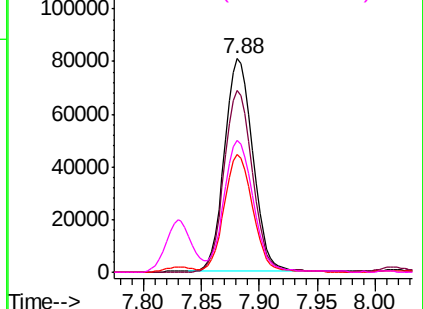
#55
 1,1,2-Trichloroethane
 Concen: 166.944 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 137017
 Ion Ratio Lower Upper
 97 100
 83 85.3 71.9 107.9
 85 55.0 44.8 67.2
 99 61.6 50.9 76.3

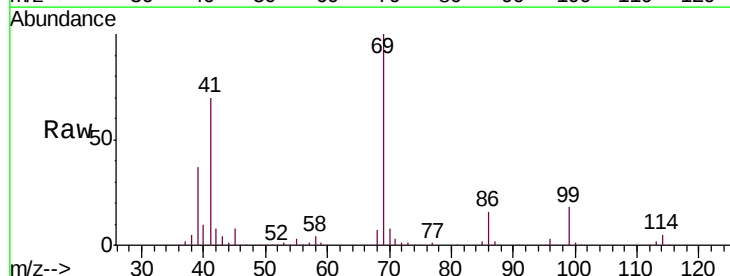


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

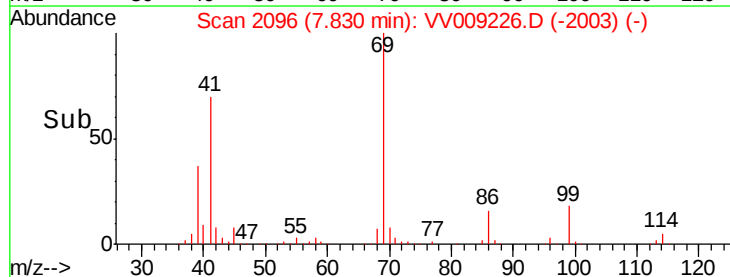
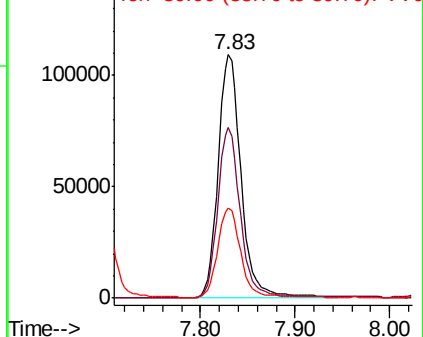


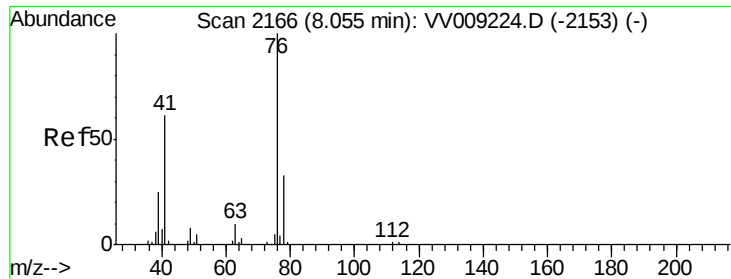
#56
 Ethyl methacrylate
 Concen: 179.307 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion: 69 Resp: 184971
 Ion Ratio Lower Upper
 69 100
 41 68.6 55.4 83.2
 39 36.7 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

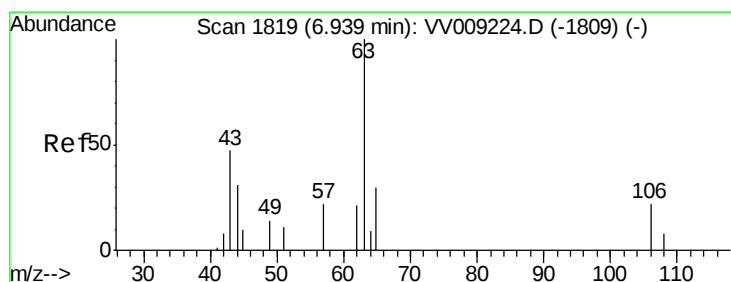
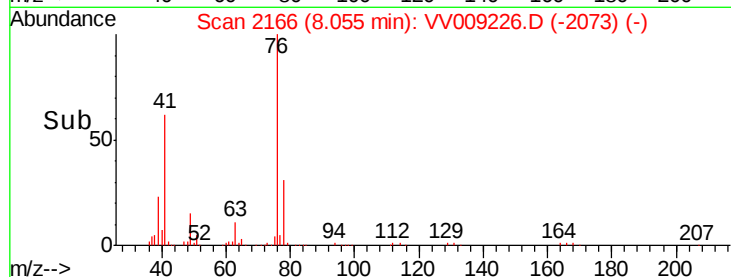
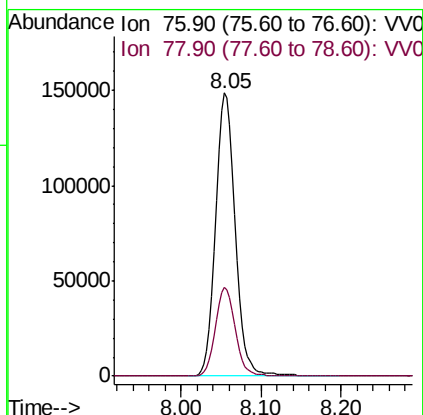
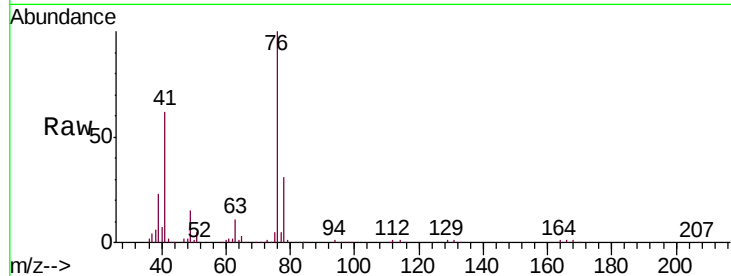




#57
 1,3-Dichloropropane
 Concen: 164.687 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

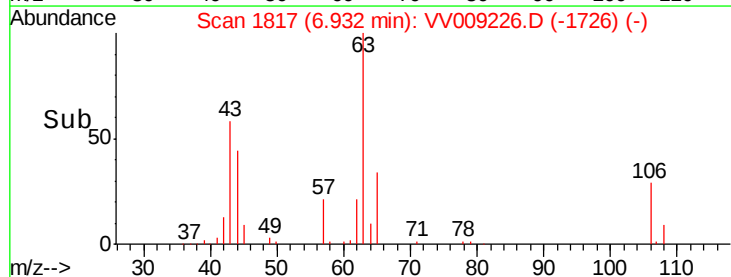
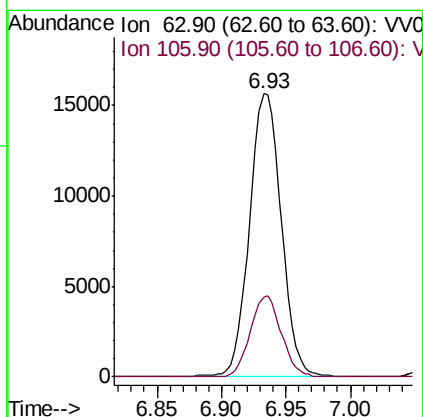
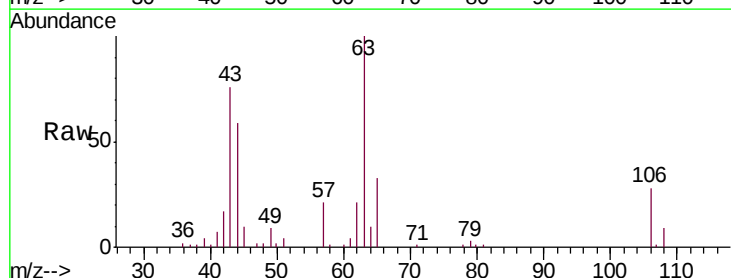
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

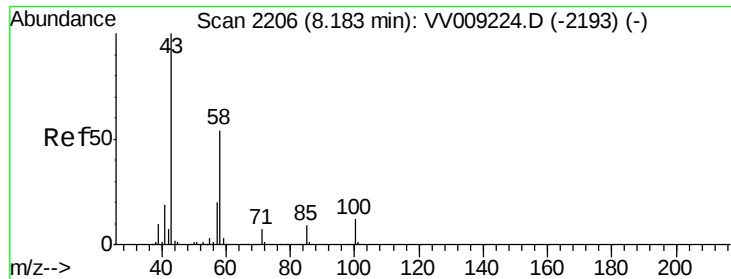
Tgt Ion: 76 Resp: 254870
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 2924.100 ug/l
 RT: 6.93 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion: 63 Resp: 27105
 Ion Ratio Lower Upper
 63 100
 106 27.6 16.6 24.8#

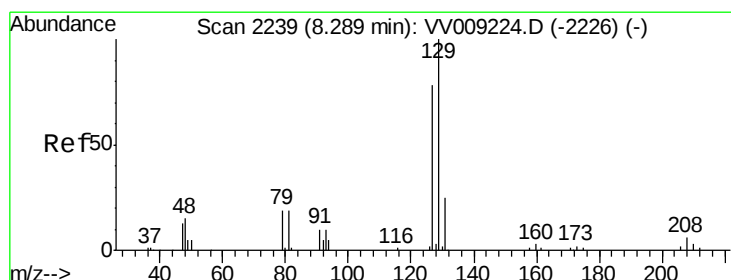
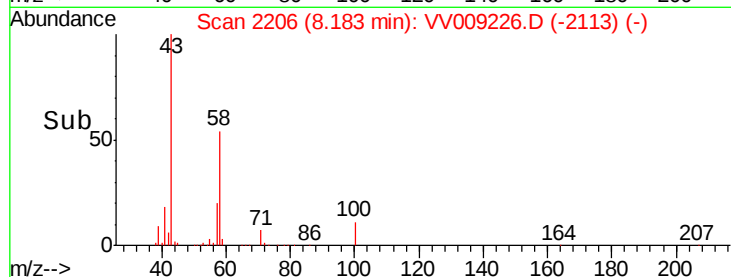
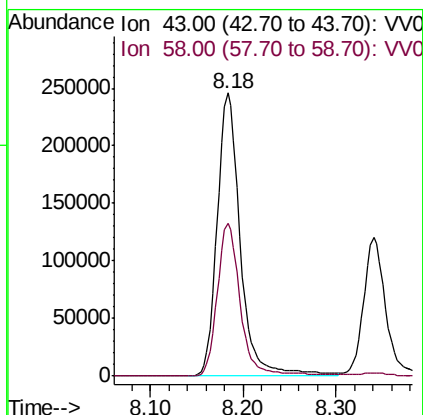
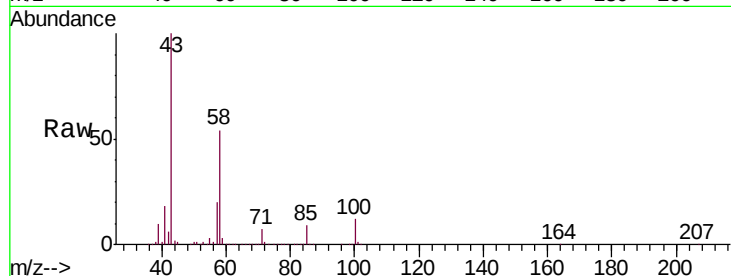




#59
2-Hexanone
Concen: 860.729 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

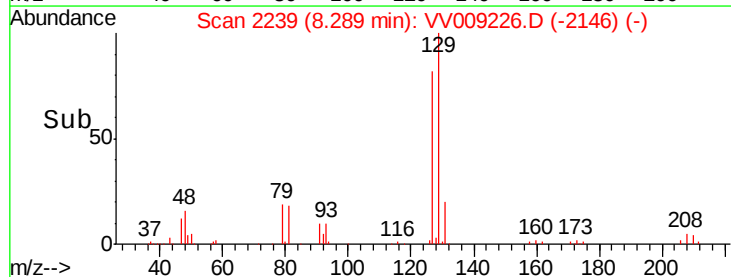
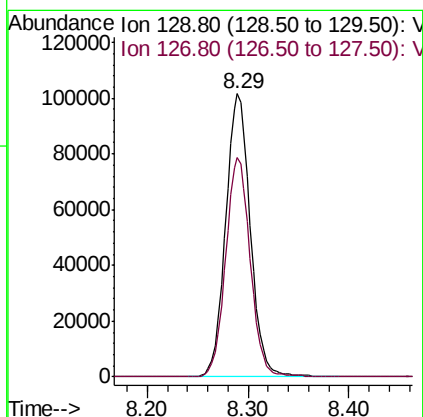
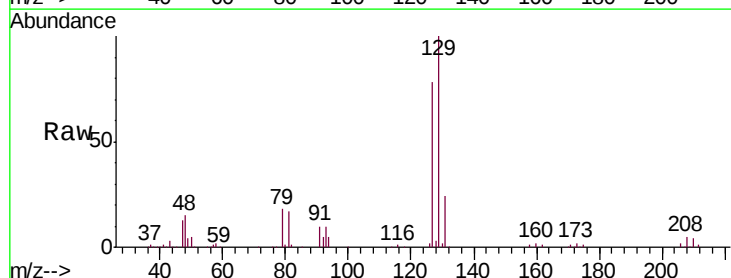
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

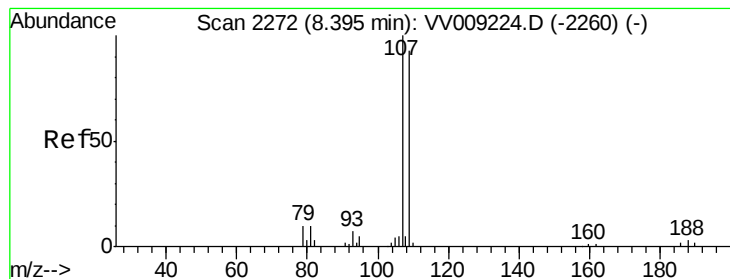
Tgt Ion: 43 Resp: 426852
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.9



#60
Dibromochloromethane
Concen: 171.421 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 129 Resp: 173238
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 169.401 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

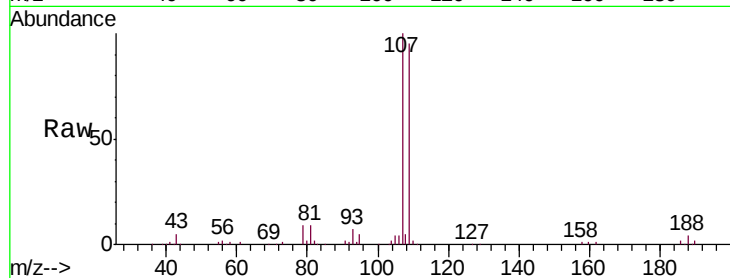
VSTDIC150

Tgt Ion: 107 Resp: 138957

Ion Ratio Lower Upper

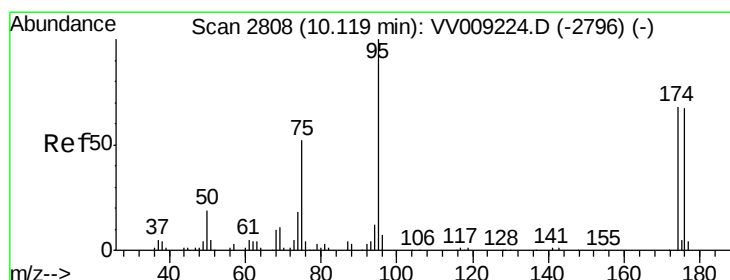
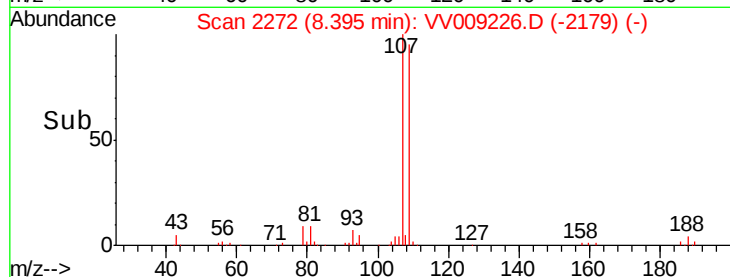
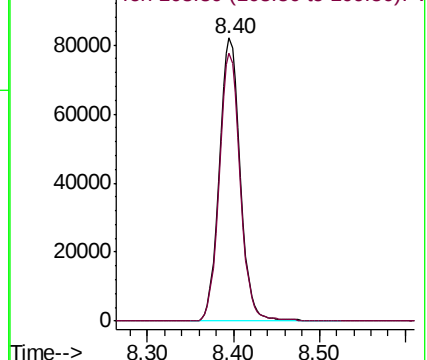
107 100

109 94.7 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: 160.323 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

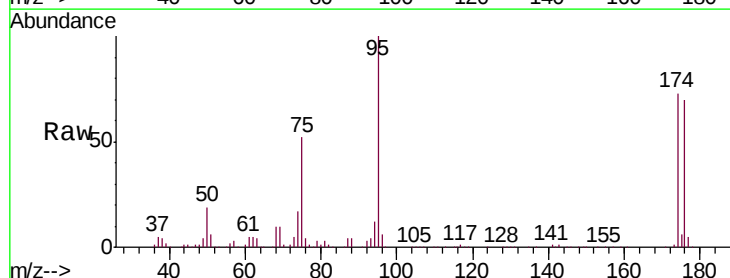
Tgt Ion: 95 Resp: 253865

Ion Ratio Lower Upper

95 100

174 72.4 0.0 141.6

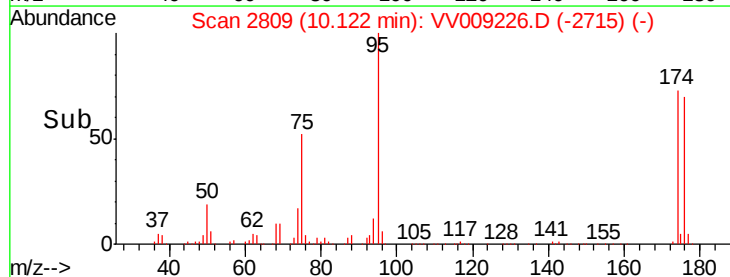
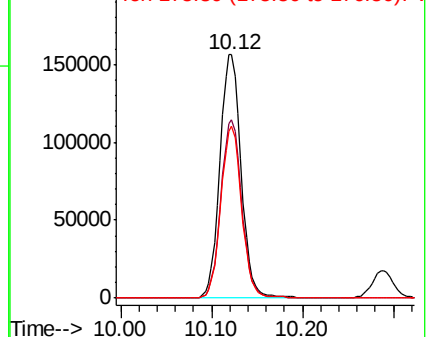
176 69.2 0.0 138.6

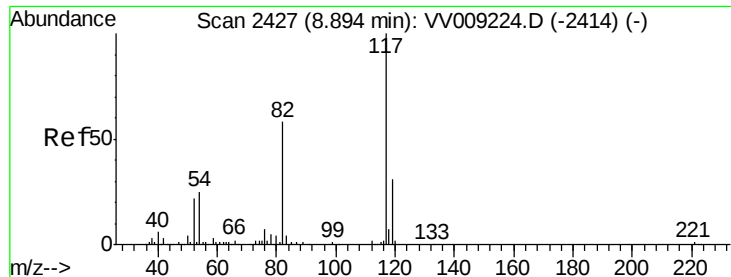


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

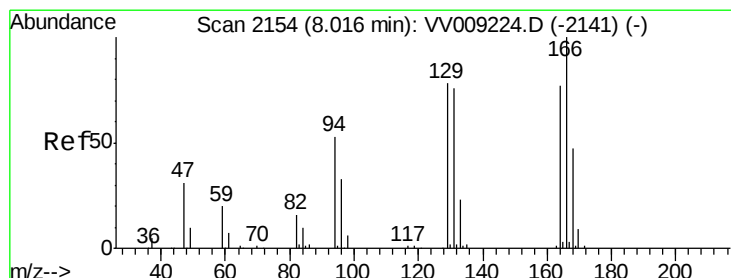
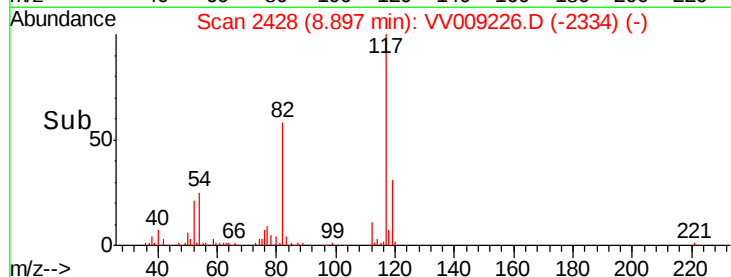
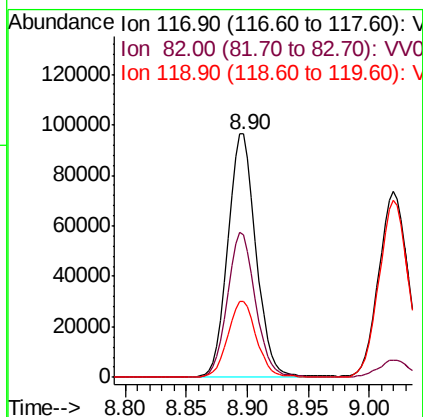
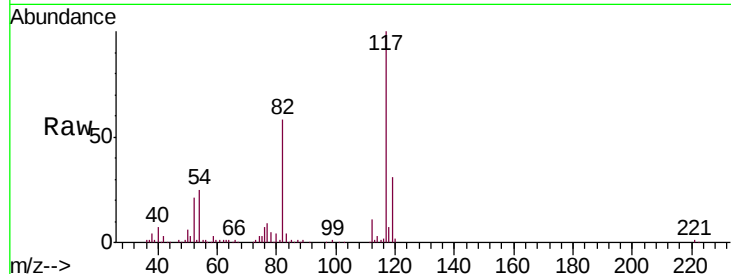




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.90 min Scan# 2428
Delta R.T. 0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

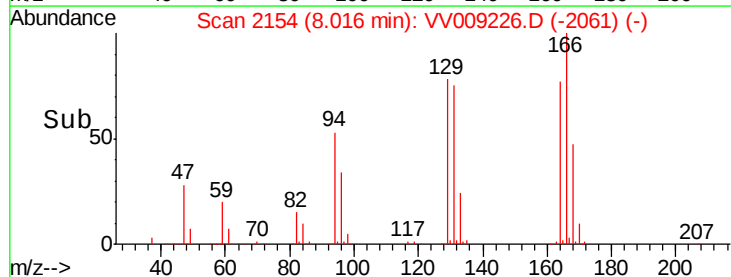
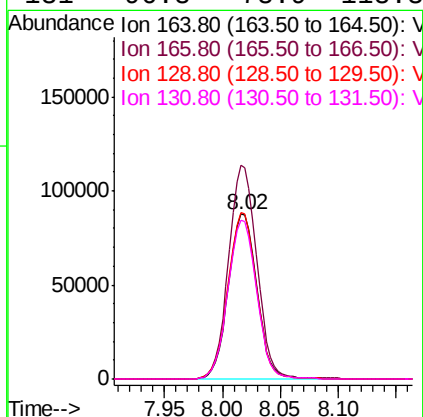
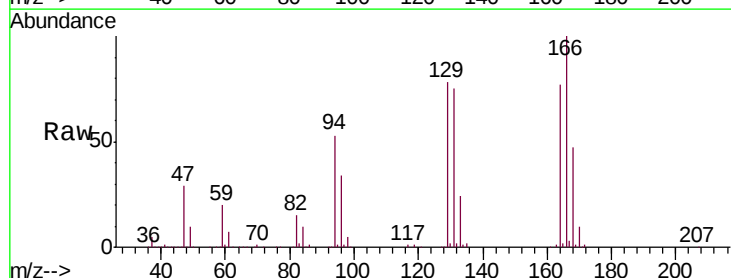
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

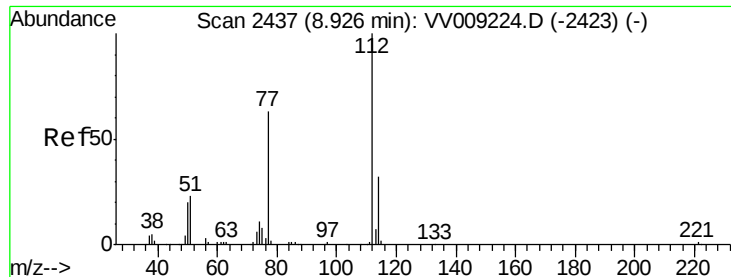
Tgt Ion:117 Resp: 156432
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.2
119 31.4 25.0 37.4



#64
Tetrachloroethene
Concen: 154.631 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion:164 Resp: 150025
Ion Ratio Lower Upper
164 100
166 129.8 104.2 156.2
129 101.0 81.0 121.4
131 96.8 78.9 118.3





#65

Chlorobenzene

Concen: 155.574 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

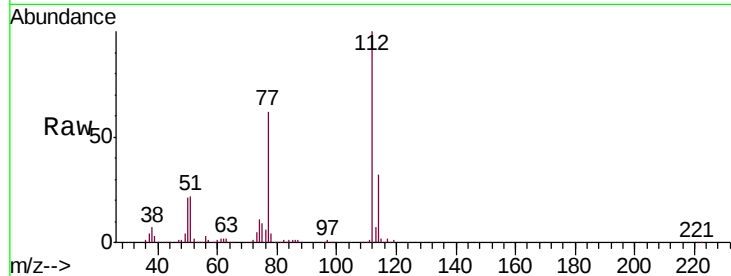
VSTDIC150

Tgt Ion:112 Resp: 512170

Ion Ratio Lower Upper

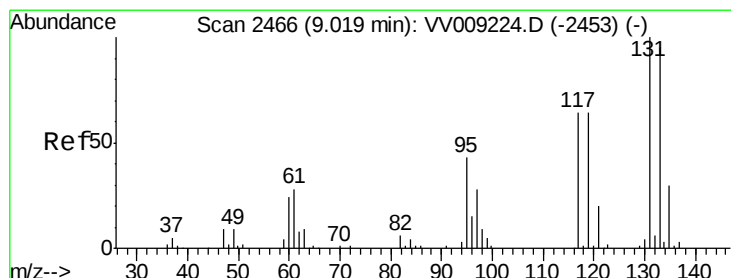
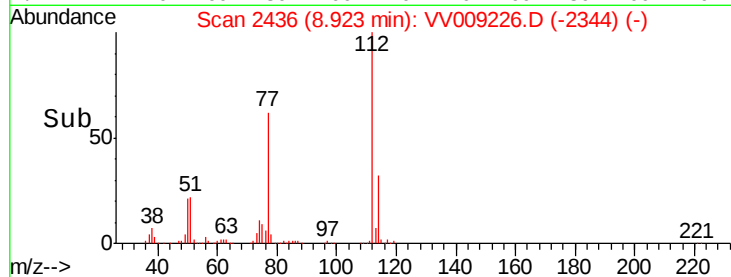
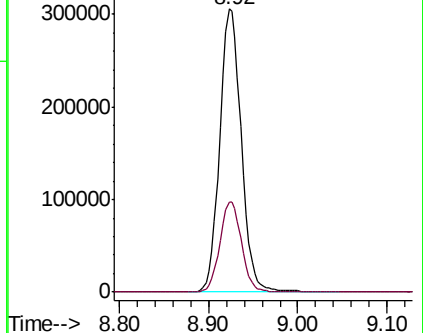
112 100

114 31.8 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: 160.426 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

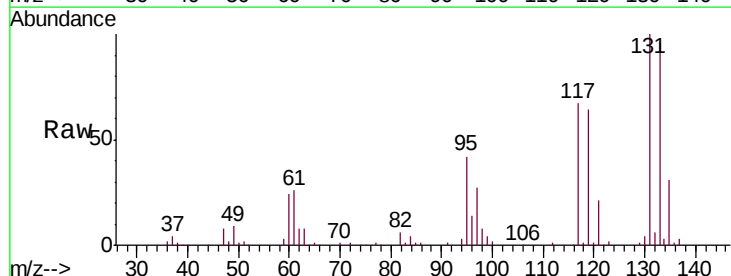
Tgt Ion:131 Resp: 187557

Ion Ratio Lower Upper

131 100

133 94.1 47.3 141.8

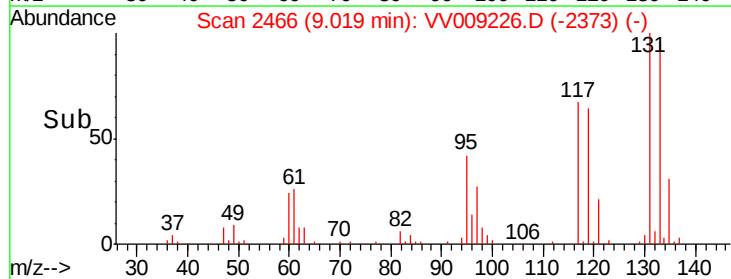
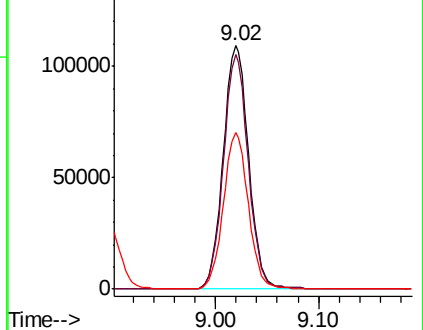
119 63.3 32.5 97.5

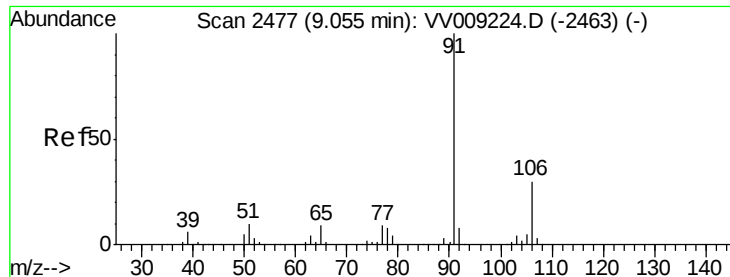


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

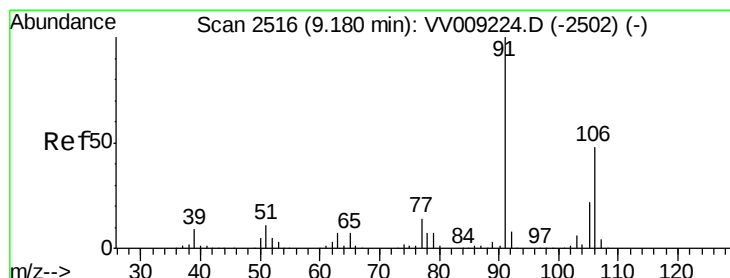
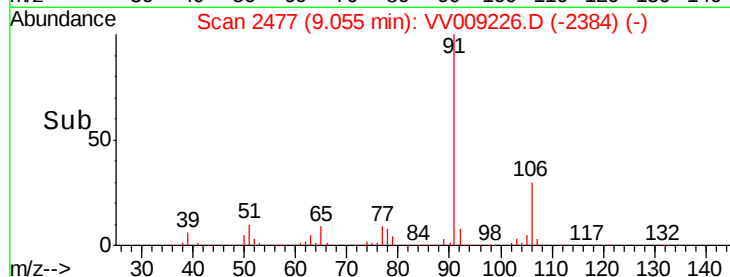
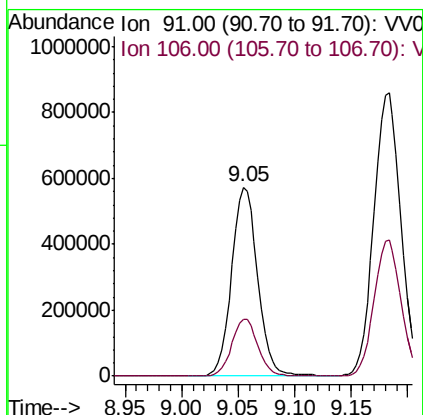
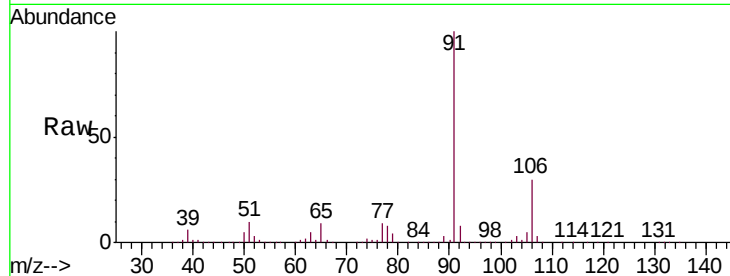




#67
Ethyl Benzene
Concen: 155.252 ug/l
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

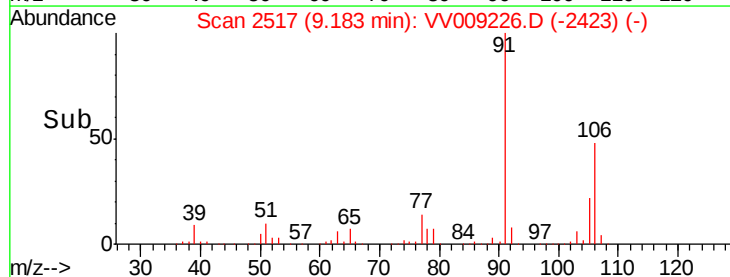
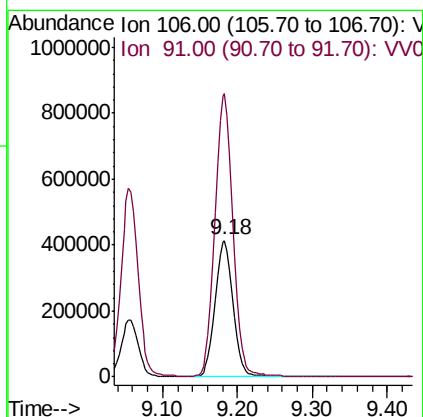
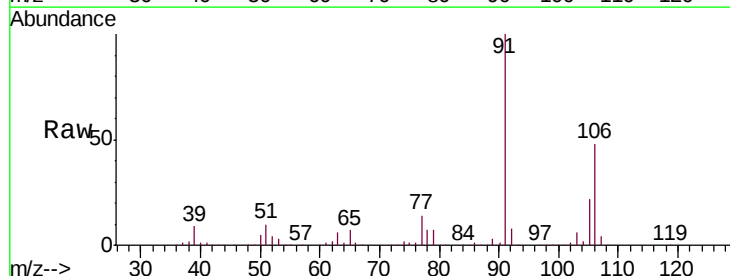
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

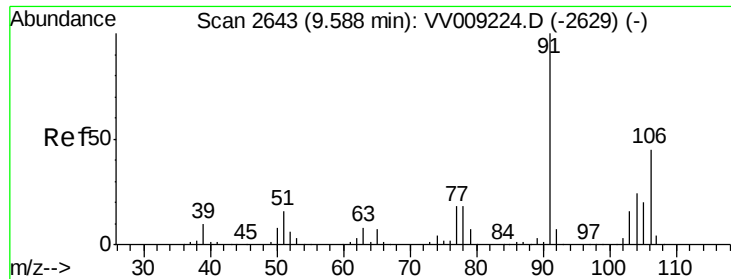
Tgt Ion: 91 Resp: 921618
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1



#68
m/p-Xylenes
Concen: 313.070 ug/l
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 106 Resp: 693404
Ion Ratio Lower Upper
106 100
91 210.2 170.4 255.6

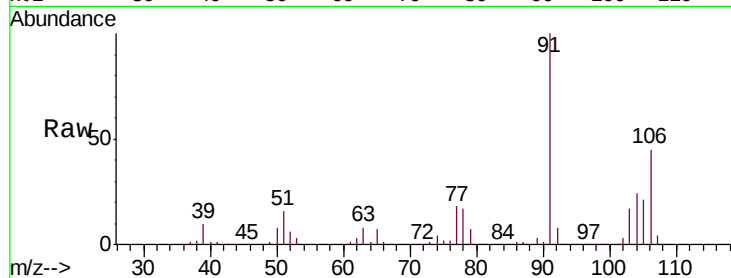




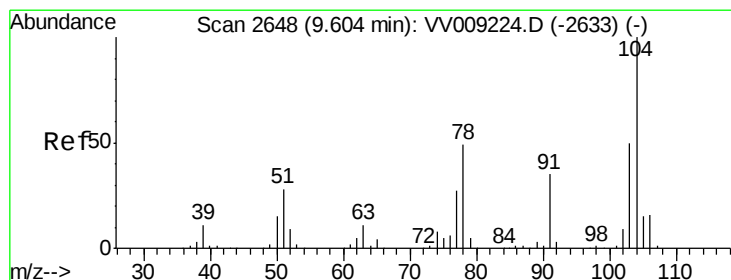
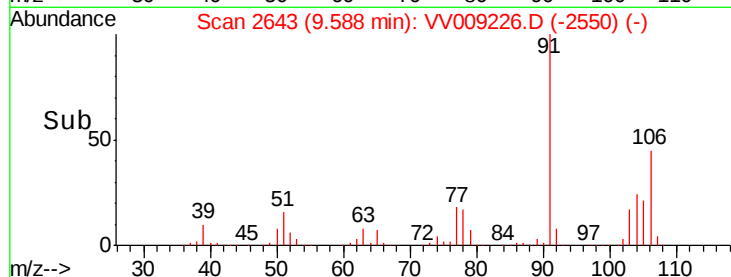
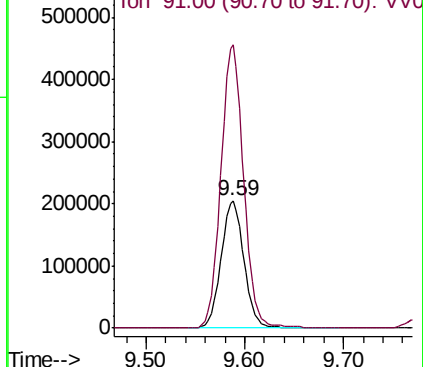
#69
o-Xylene
Concen: 157.835 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 335436
Ion Ratio Lower Upper
106 100
91 220.5 110.6 331.8

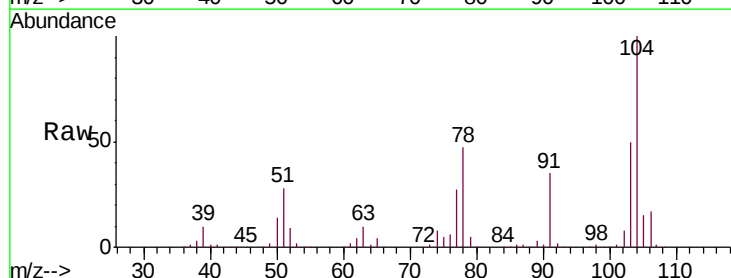


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

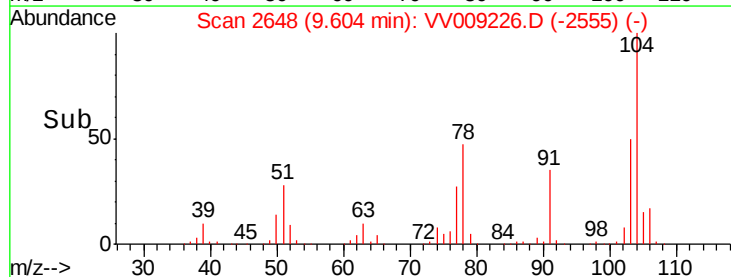
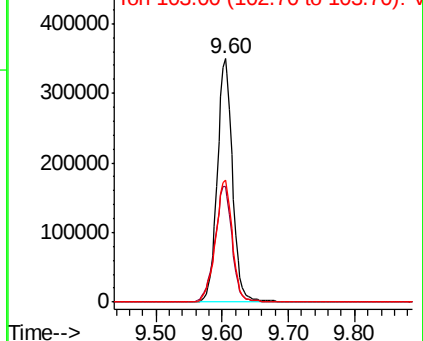


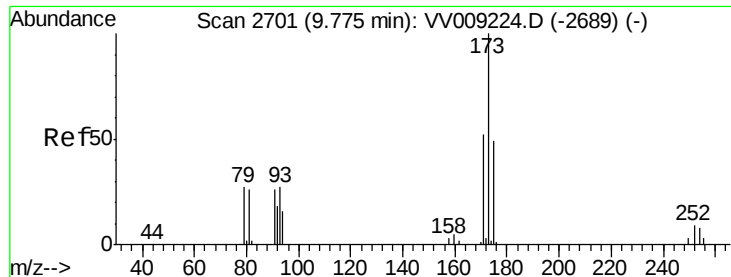
#70
Styrene
Concen: 160.389 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion:104 Resp: 559100
Ion Ratio Lower Upper
104 100
78 53.5 43.7 65.5
103 54.9 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: 174.576 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

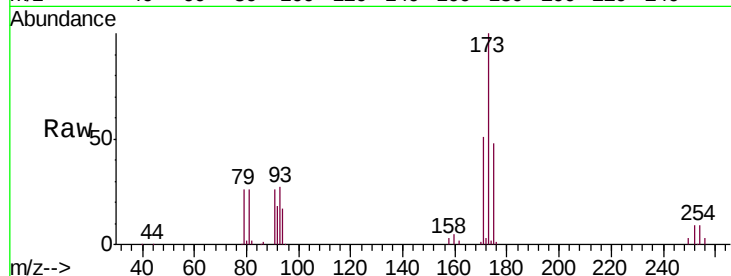
Tgt Ion:173 Resp: 98789

Ion Ratio Lower Upper

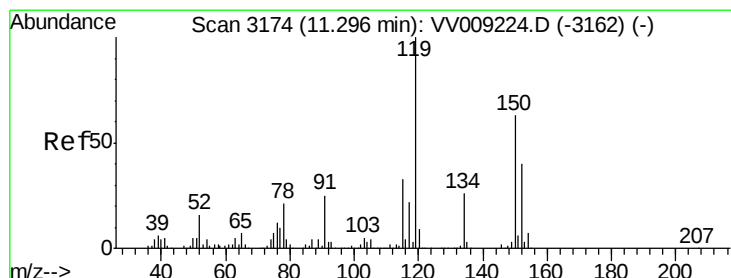
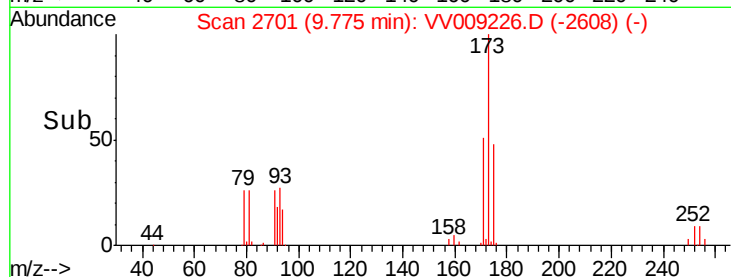
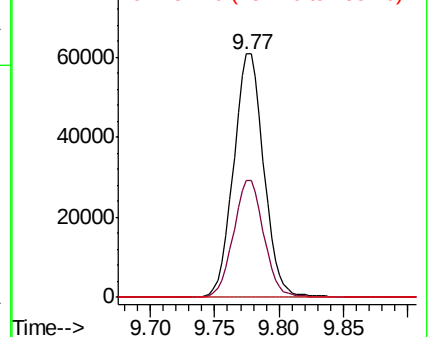
173 100

175 48.4 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: VV009226.D

Acq: 18 Jan 2019 17:49

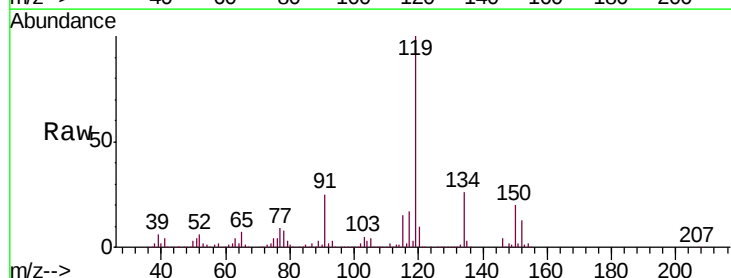
Tgt Ion:152 Resp: 80932

Ion Ratio Lower Upper

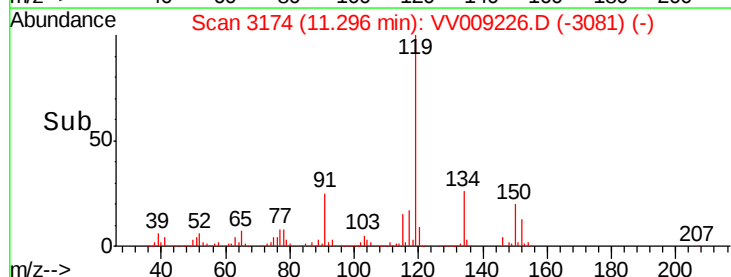
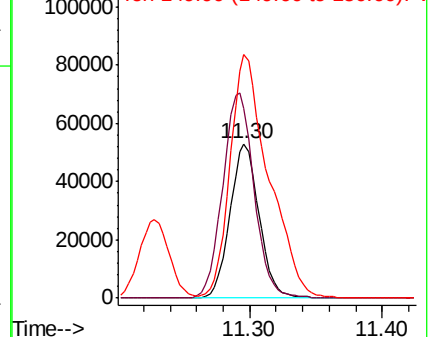
152 100

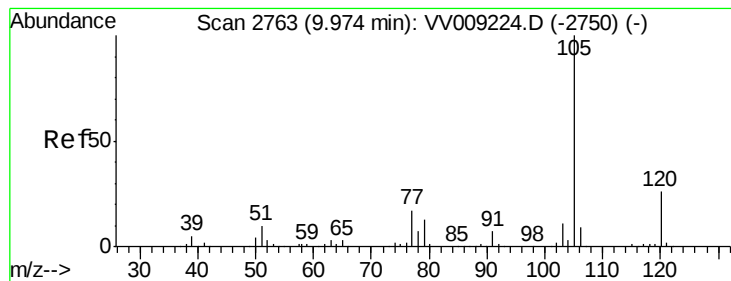
115 142.9 45.1 135.3#

150 209.7 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: 152.717 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

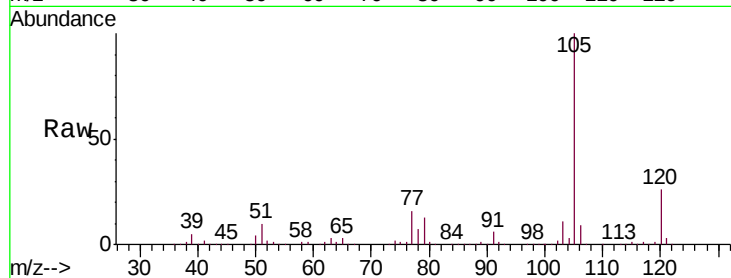
VSTDIC150

Tgt Ion:105 Resp: 919820

Ion Ratio Lower Upper

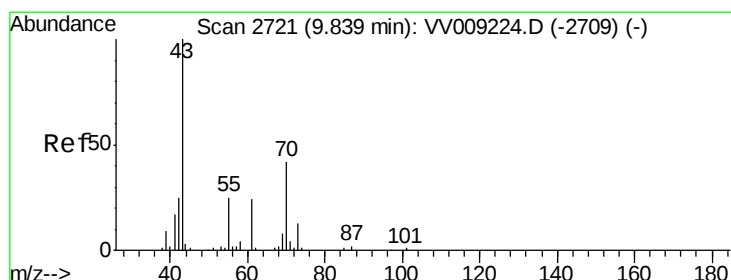
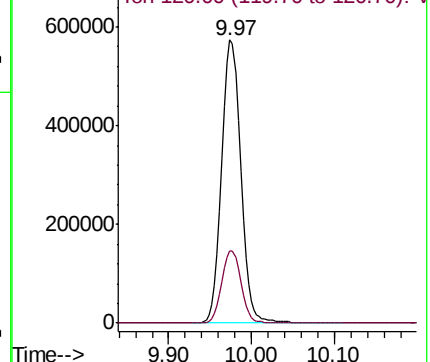
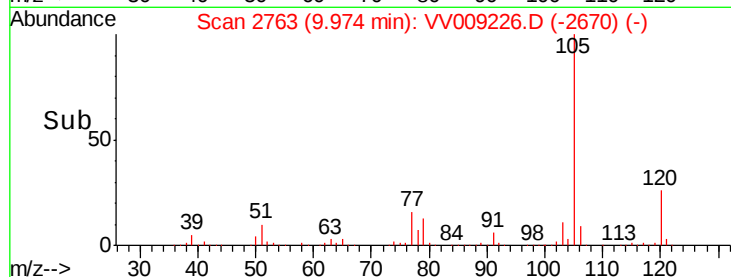
105 100

120 25.9 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: 174.181 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion: 43 Resp: 222972

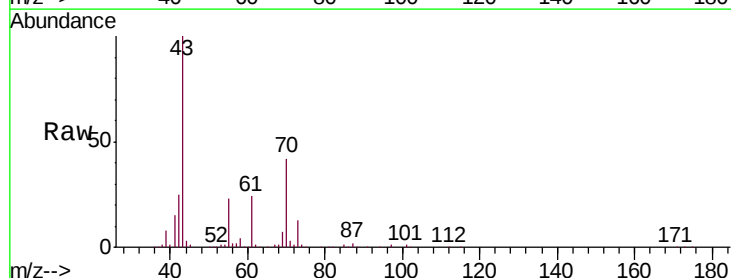
Ion Ratio Lower Upper

43 100

70 41.7 32.4 48.6

55 23.9 19.9 29.9

61 24.2 19.0 28.6

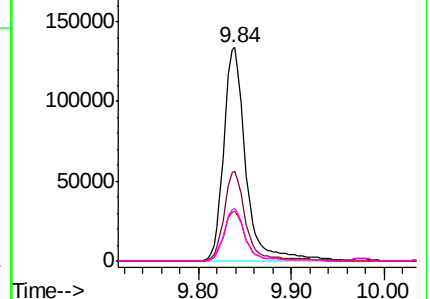
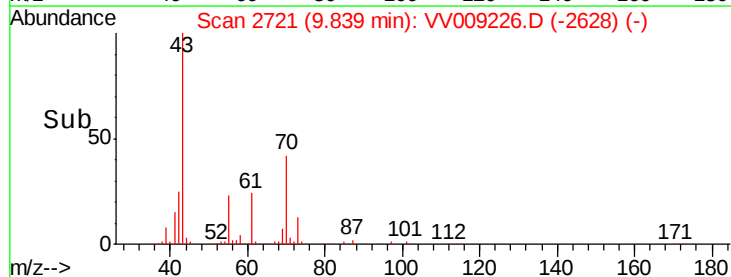


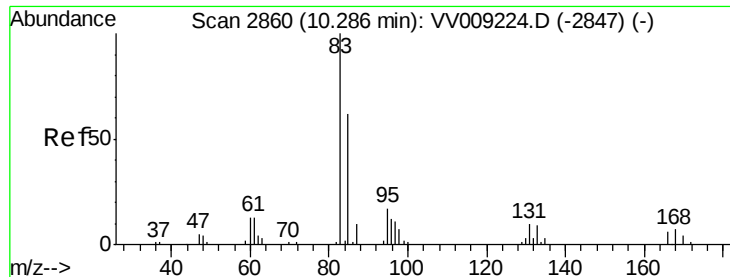
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 157.418 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

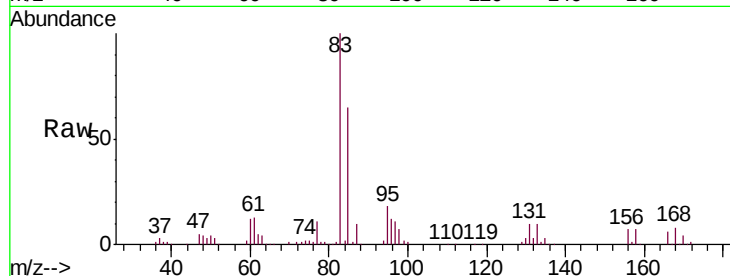
Tgt Ion: 83 Resp: 168746

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

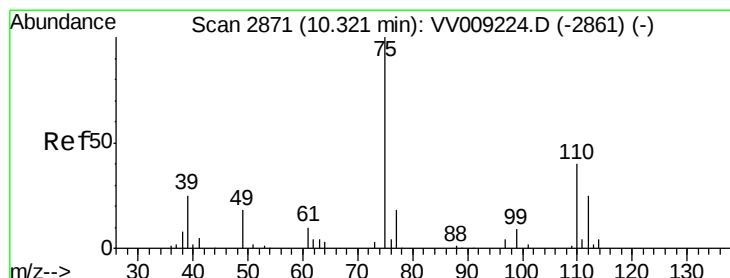
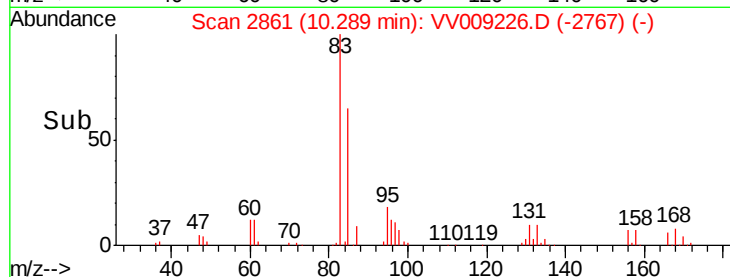
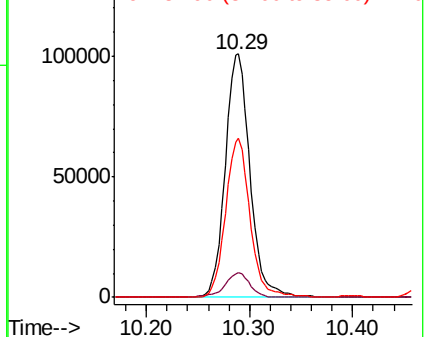
85 64.7 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VV0

Ion 130.80 (130.50 to 131.50): VV0

Ion 84.90 (84.60 to 85.60): VV0



#76

1,2,3-Trichloropropane

Concen: 60.825 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. -0.27 min

Lab File: VV009226.D

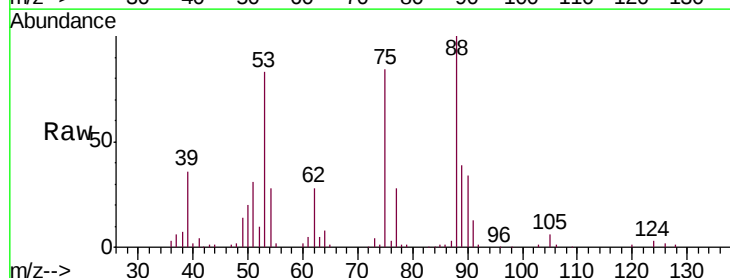
Acq: 18 Jan 2019 17:49

Tgt Ion: 75 Resp: 49200

Ion Ratio Lower Upper

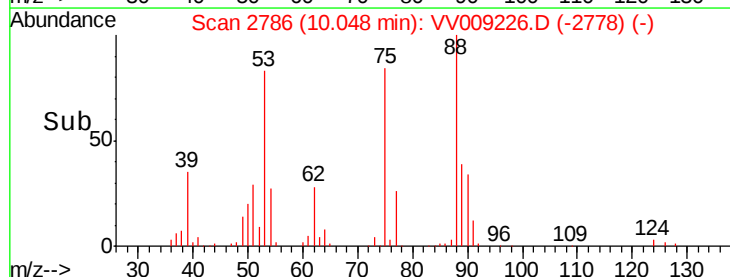
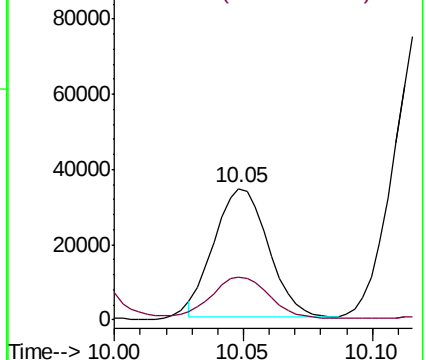
75 100

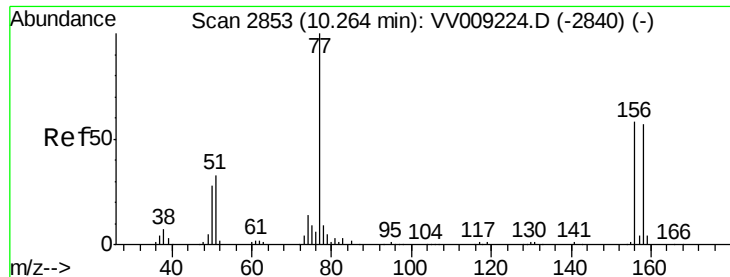
77 34.1 24.1 72.3



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 77.00 (76.70 to 77.70): VV0





#77

Bromobenzene

Concen: 156.632 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

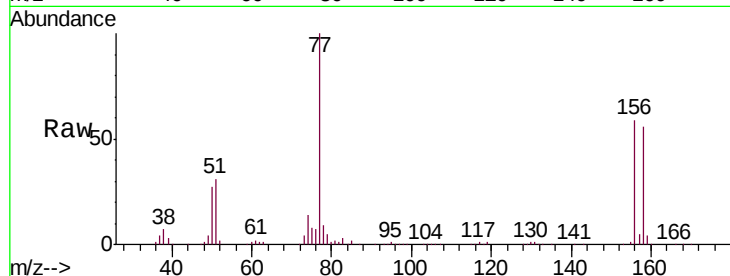
Tgt Ion:156 Resp: 206006

Ion Ratio Lower Upper

156 100

77 172.9 86.6 259.7

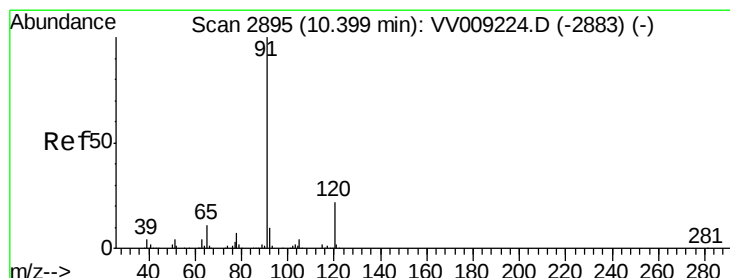
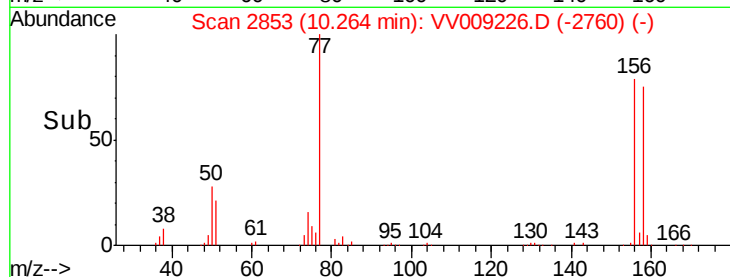
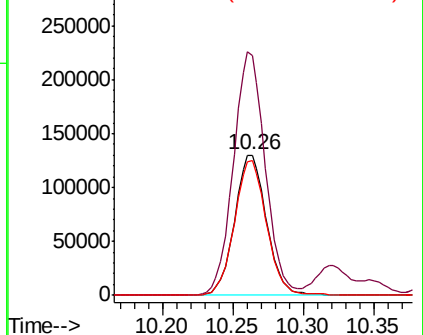
158 97.2 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 151.597 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VV009226.D

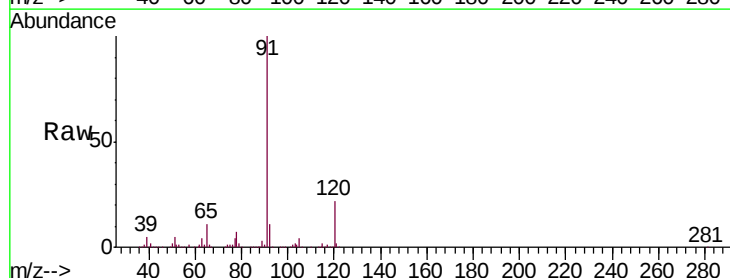
Acq: 18 Jan 2019 17:49

Tgt Ion: 91 Resp: 1090502

Ion Ratio Lower Upper

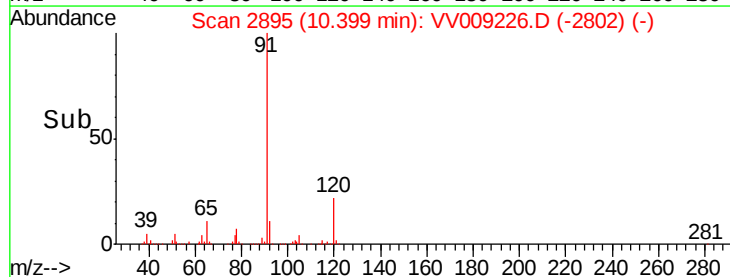
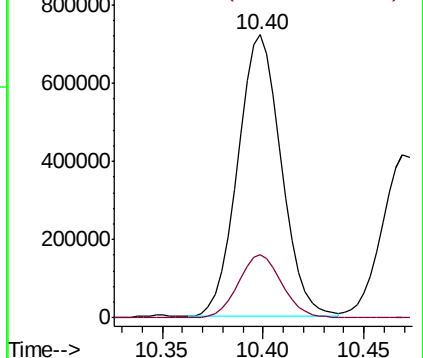
91 100

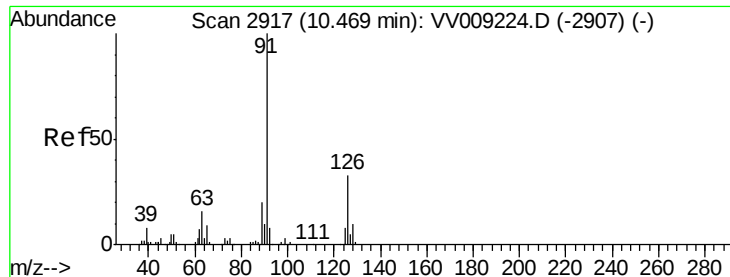
120 23.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V

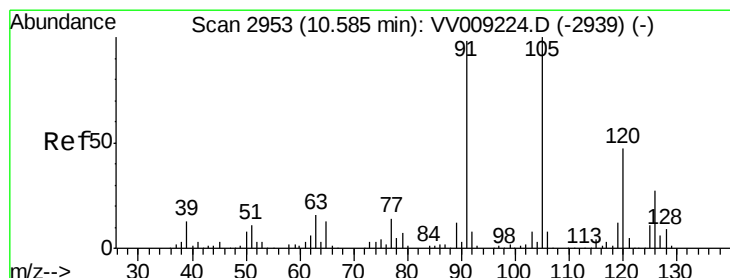
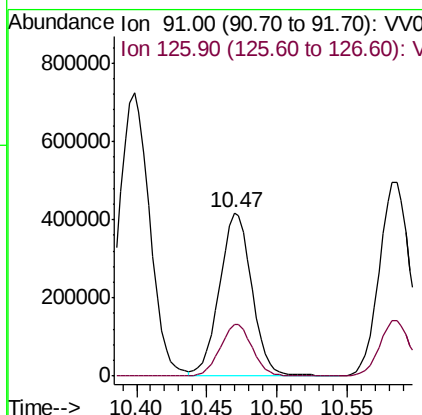
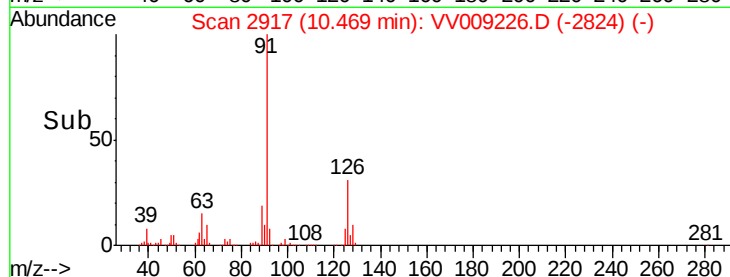
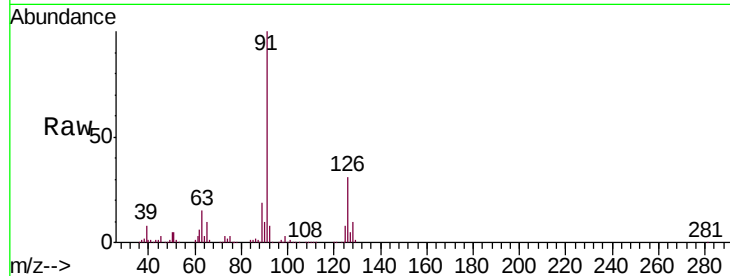




#79
 2-Chlorotoluene
 Concen: 153.360 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

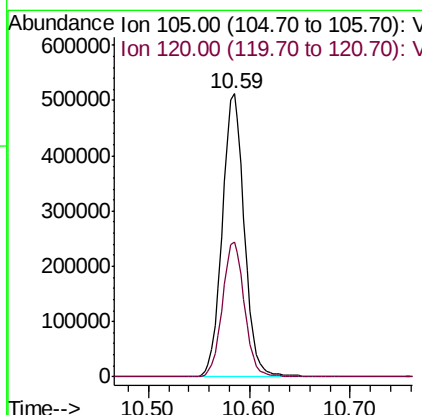
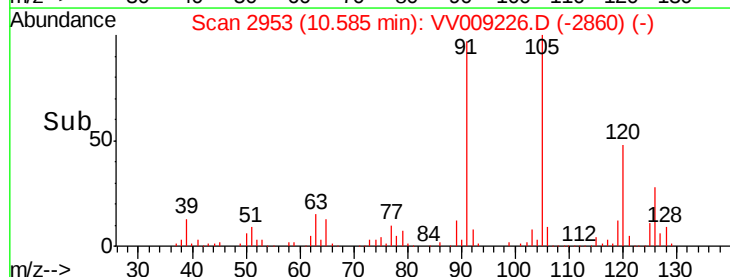
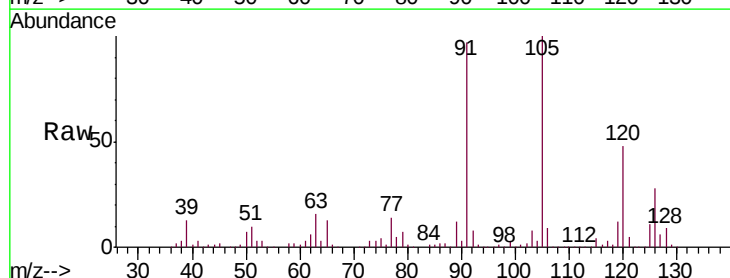
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

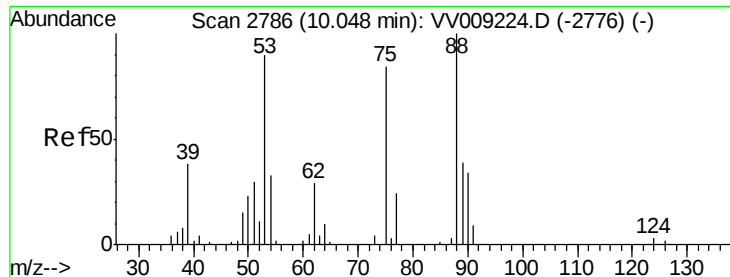
Tgt Ion: 91 Resp: 658525
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 153.028 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion: 105 Resp: 784056
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 174.385 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

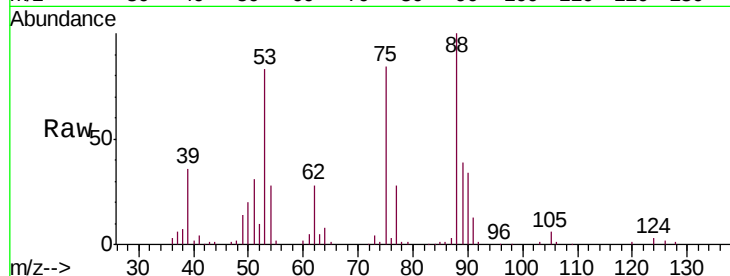
Tgt Ion: 75 Resp: 53672

Ion Ratio Lower Upper

75 100

53 102.6 85.5 128.3

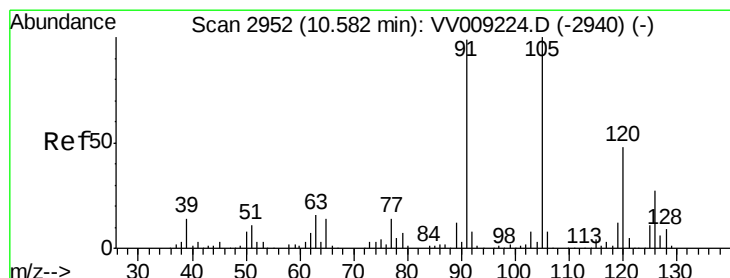
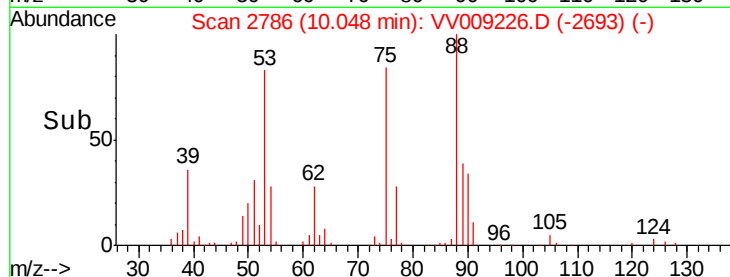
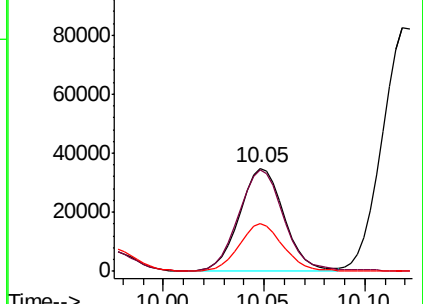
89 45.1 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VV009226.D (-2776) (-)

Ion 53.00 (52.70 to 53.70): VV009226.D (-2776) (-)

Ion 88.90 (88.60 to 89.60): VV009226.D (-2776) (-)



#82

4-Chlorotoluene

Concen: 150.945 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009226.D

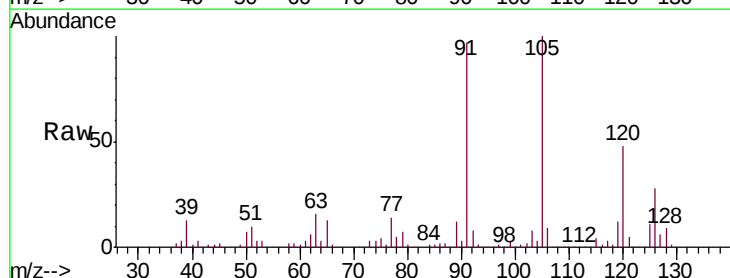
Acq: 18 Jan 2019 17:49

Tgt Ion: 91 Resp: 780622

Ion Ratio Lower Upper

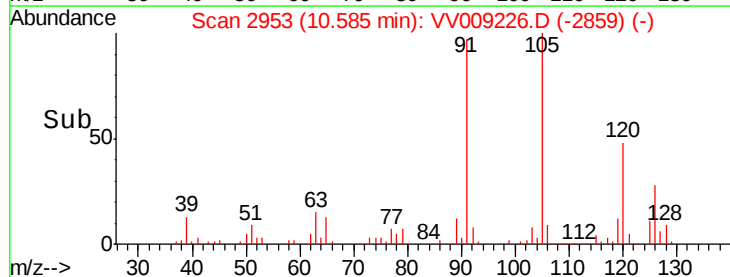
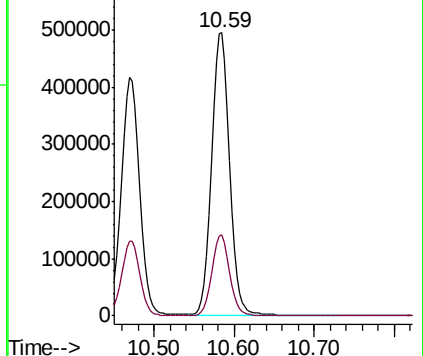
91 100

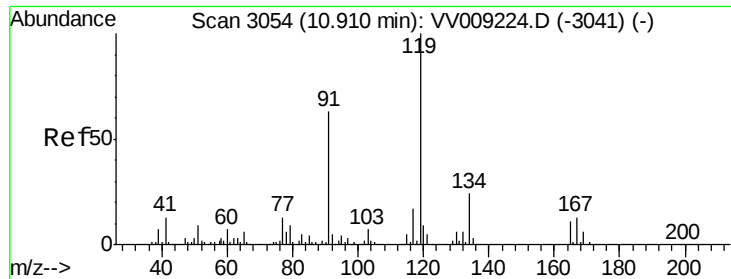
126 28.3 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VV009226.D (-2859) (-)

Ion 125.90 (125.60 to 126.60): VV009226.D (-2859) (-)

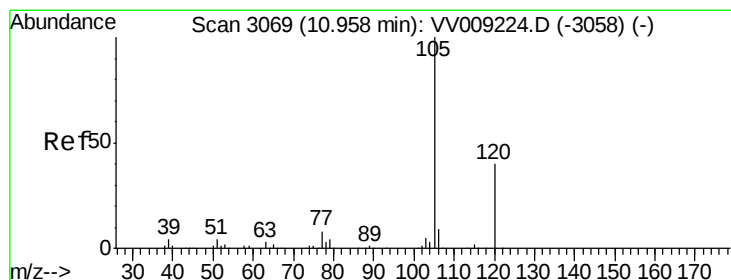
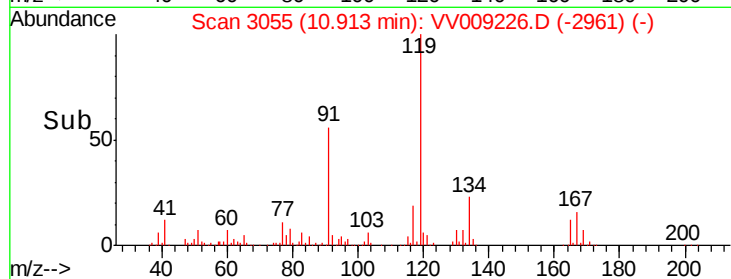
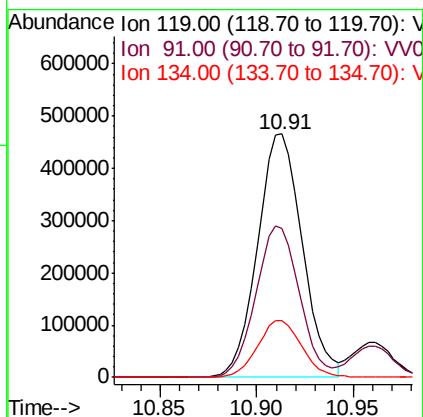
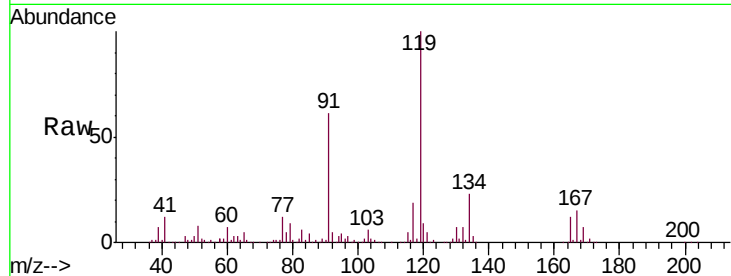




#83
 tert-Butylbenzene
 Concen: 154.565 ug/l
 RT: 10.91 min Scan# 3055
 Delta R.T. 0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

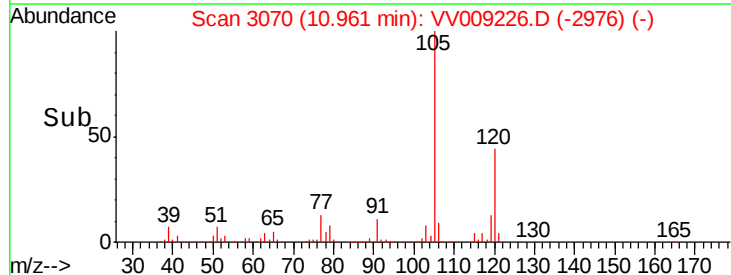
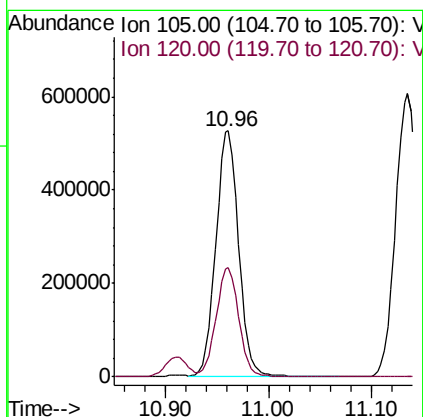
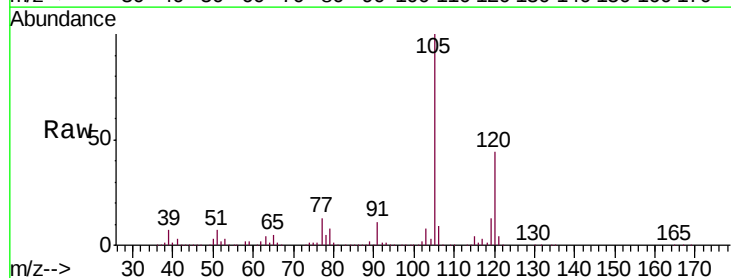
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

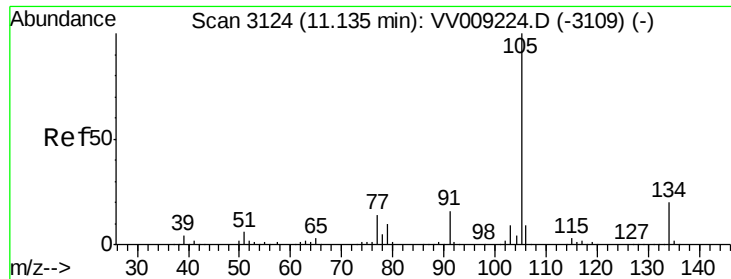
Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.5	91.5
134	23.1	11.8	35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 154.137 ug/l
 RT: 10.96 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6





#85

sec-Butylbenzene

Concen: 153.247 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

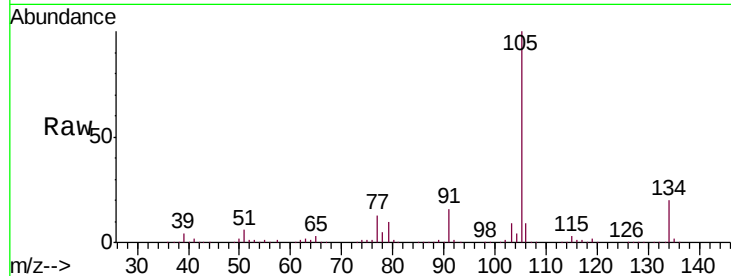
VSTDIC150

Tgt Ion:105 Resp: 956069

Ion Ratio Lower Upper

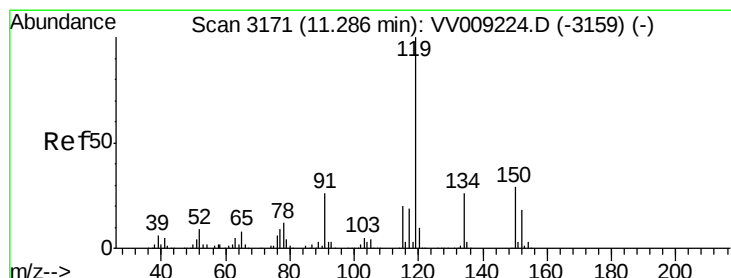
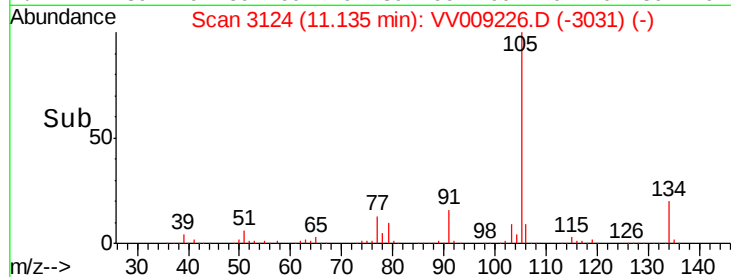
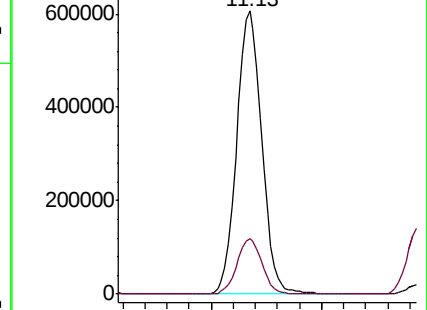
105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 153.406 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

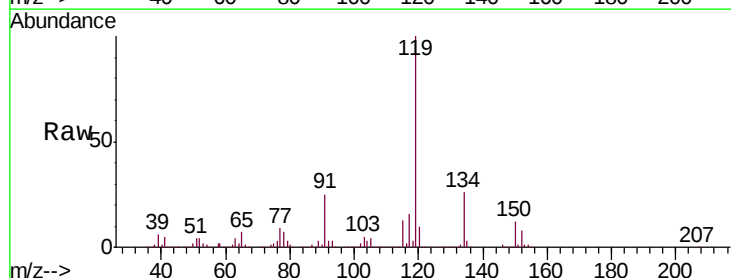
Tgt Ion:119 Resp: 850702

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

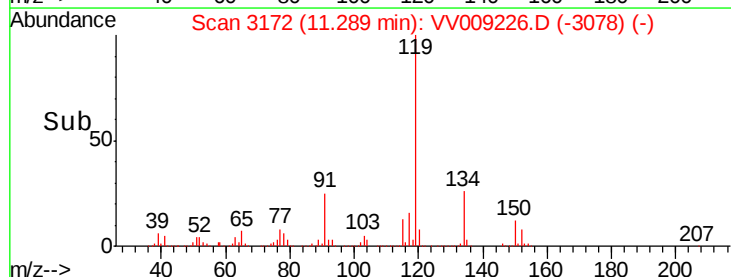
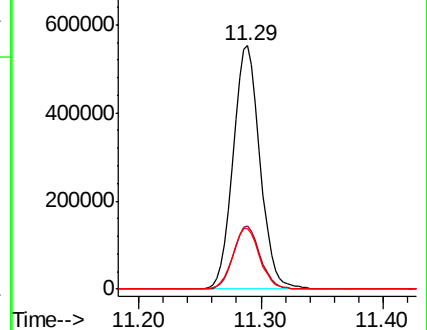
91 25.2 12.9 38.7

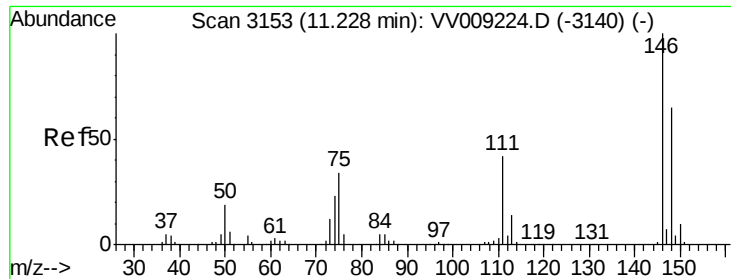


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VV0

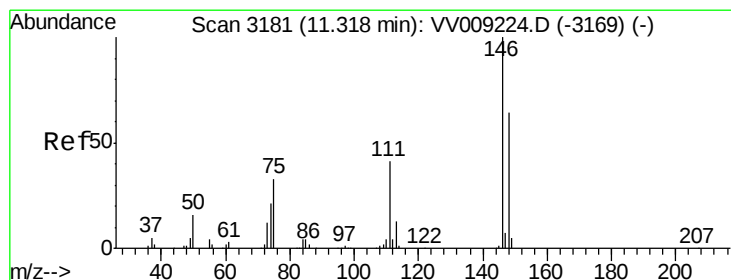
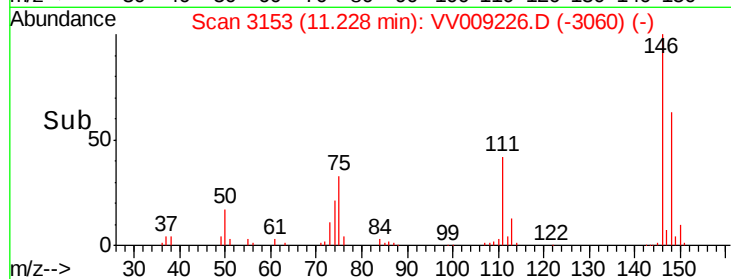
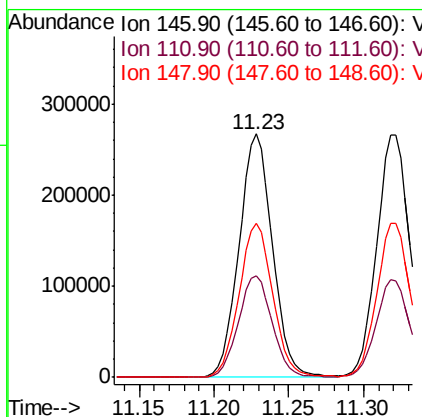
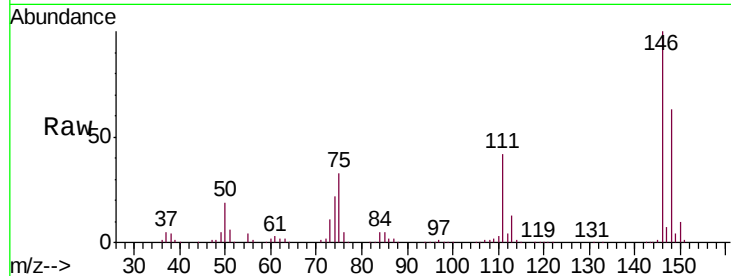




#87
 1,3-Dichlorobenzene
 Concen: 156.468 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

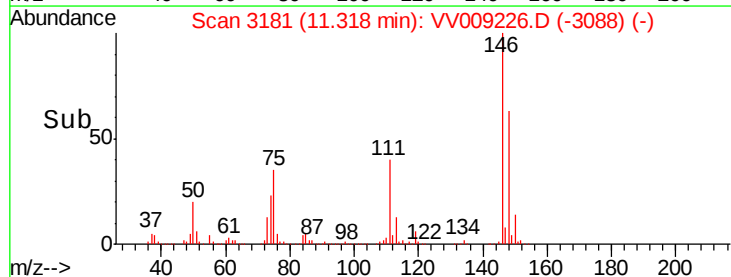
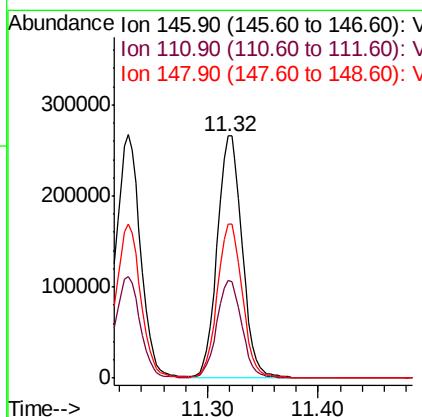
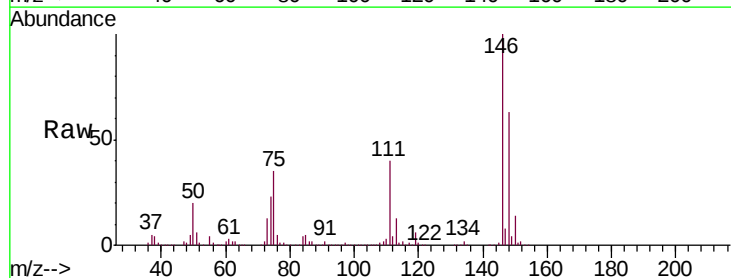
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

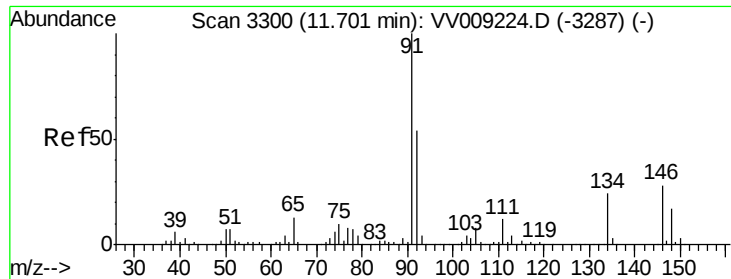
Tgt Ion:146 Resp: 416248
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.1
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 155.491 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion:146 Resp: 417411
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.0 63.0
 148 63.8 31.8 95.3

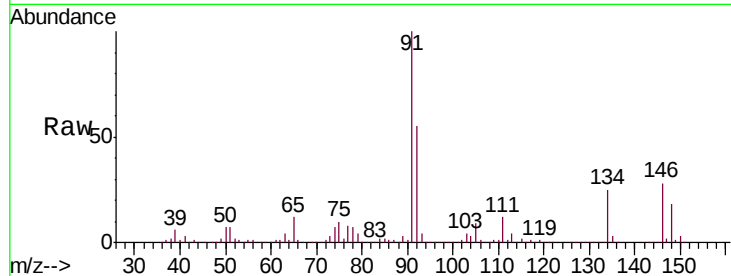




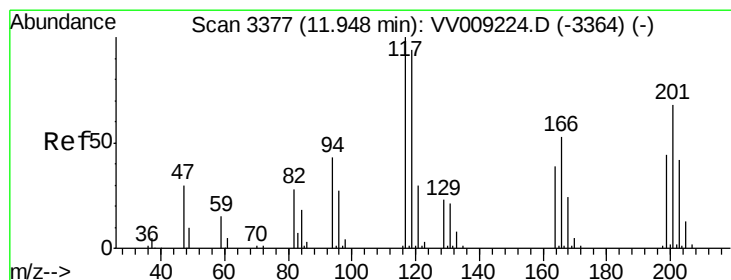
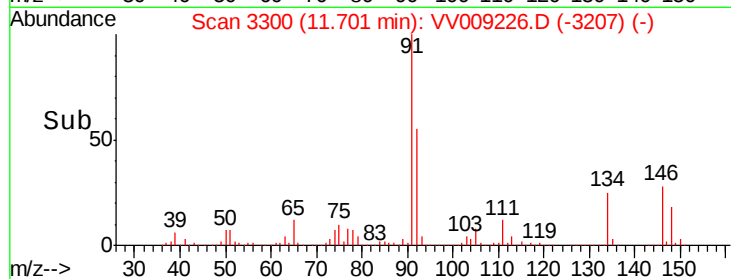
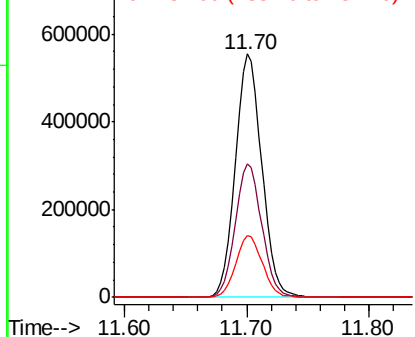
#89
n-Butylbenzene
Concen: 153.106 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 833417
Ion Ratio Lower Upper
91 100
92 55.0 26.8 80.3
134 25.4 12.4 37.0

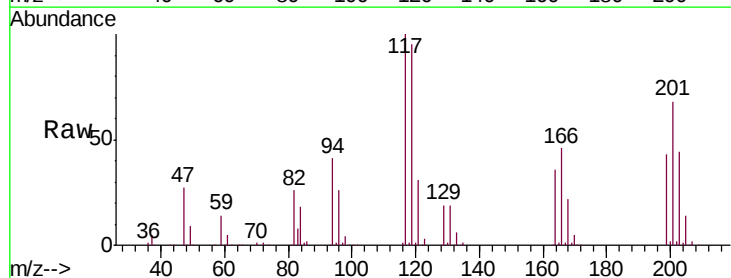


Abundance Ion 91.00 (90.70 to 91.70): VV009226.D (-3287) (-)
Ion 92.00 (91.70 to 92.70): VV009226.D (-3287) (-)
Ion 134.00 (133.70 to 134.70): VV009226.D (-3287) (-)

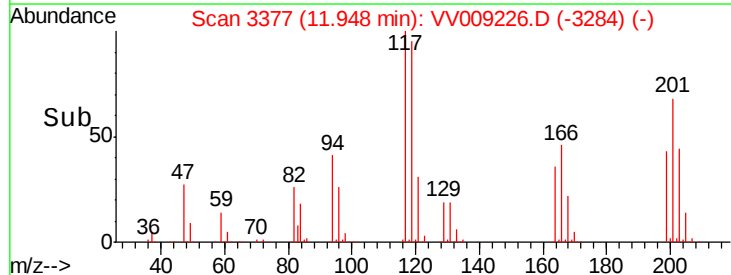
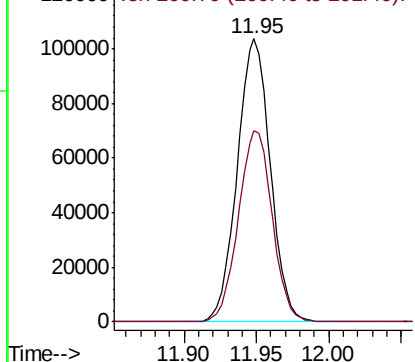


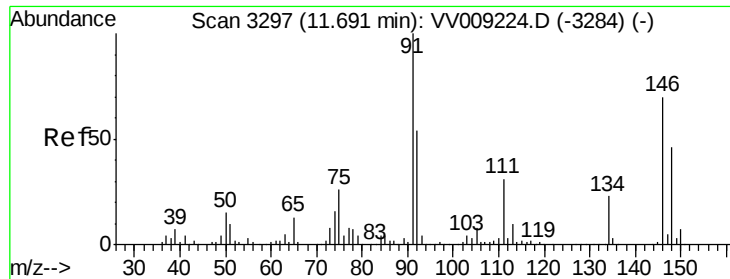
#90
Hexachloroethane
Concen: 161.495 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 117 Resp: 164252
Ion Ratio Lower Upper
117 100
201 69.0 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VV009226.D (-3364) (-)
Ion 200.70 (200.40 to 201.40): VV009226.D (-3364) (-)





#91

1,2-Dichlorobenzene

Concen: 156.069 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

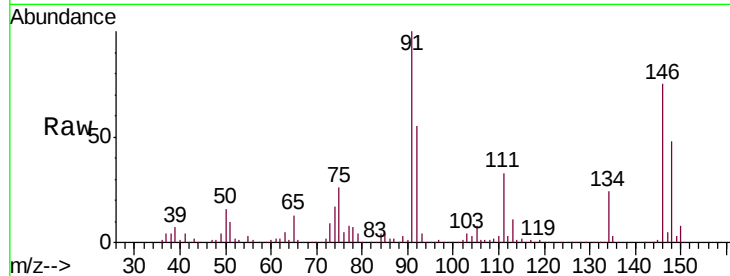
Tgt Ion: 146 Resp: 373359

Ion Ratio Lower Upper

146 100

111 43.9 21.9 65.7

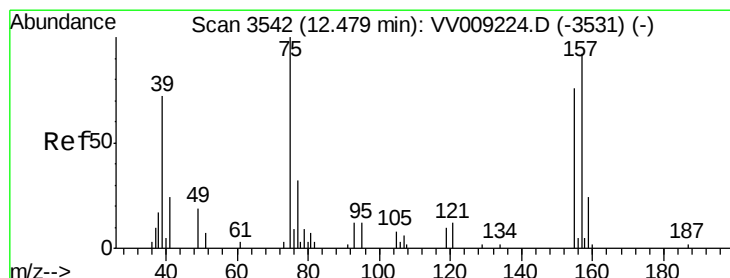
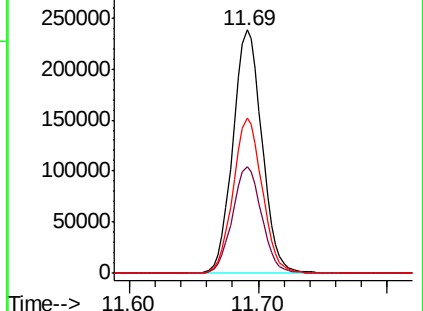
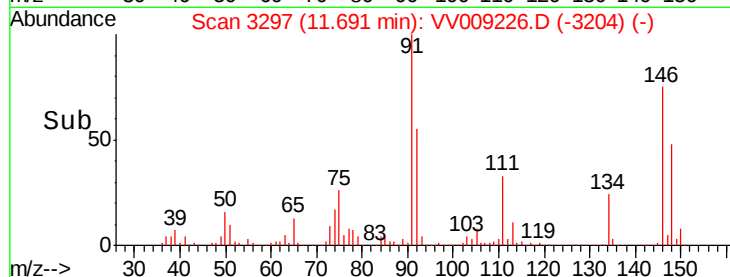
148 63.7 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 163.526 ug/l

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

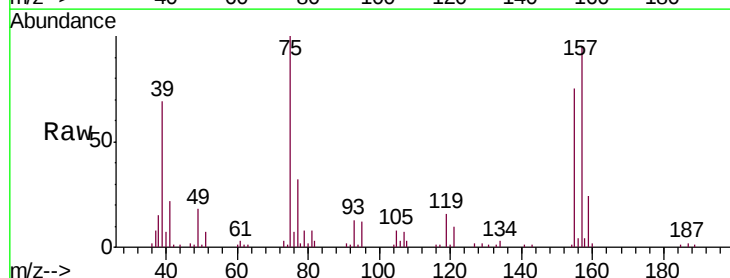
Tgt Ion: 75 Resp: 30712

Ion Ratio Lower Upper

75 100

155 76.7 36.4 109.1

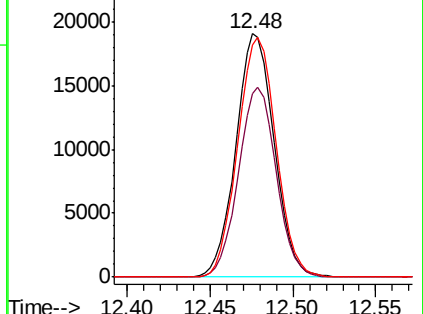
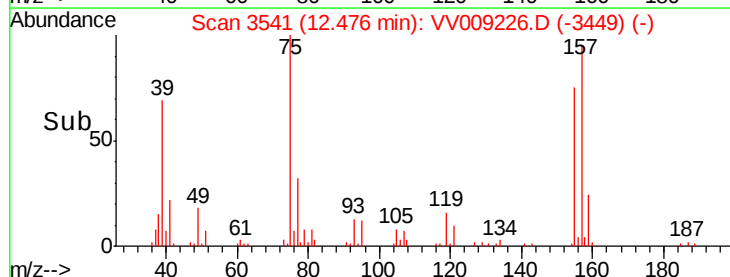
157 98.7 44.9 134.5

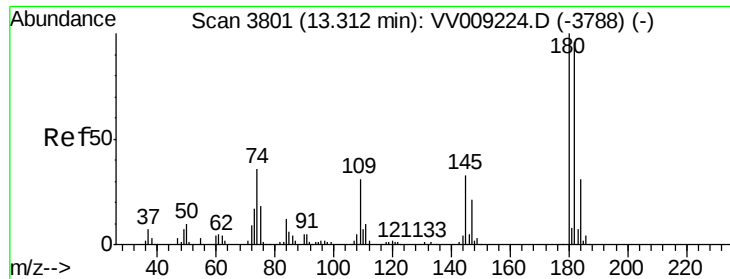


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

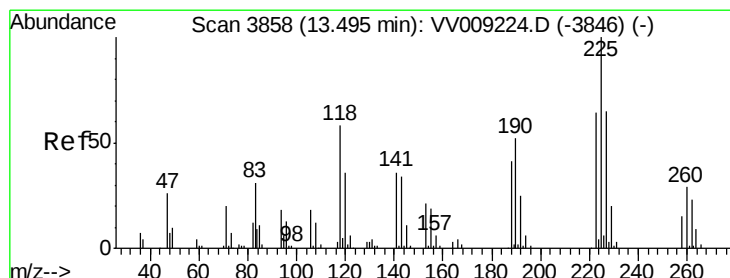
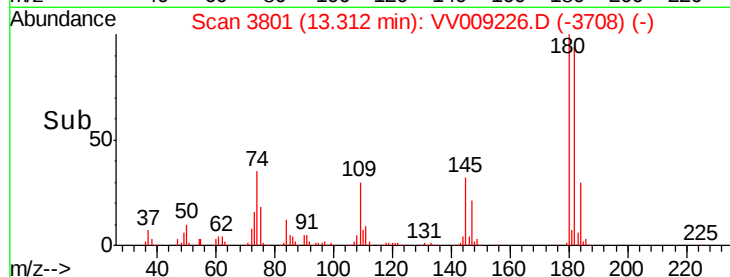
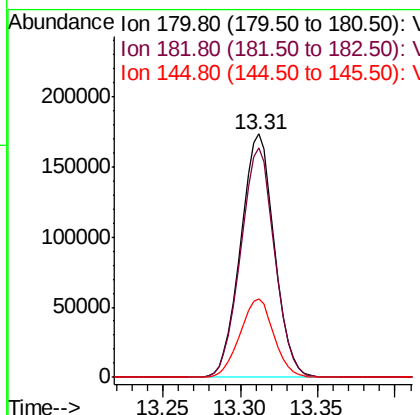
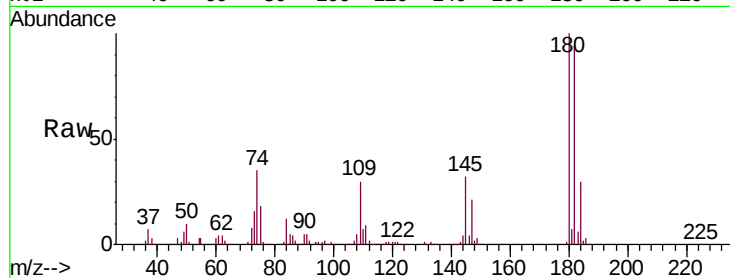




#93
 1,2,4-Trichlorobenzene
 Concen: 165.552 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

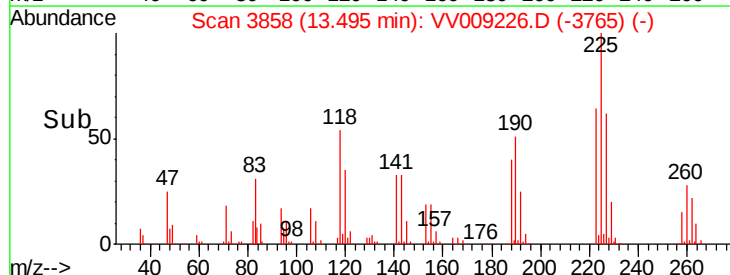
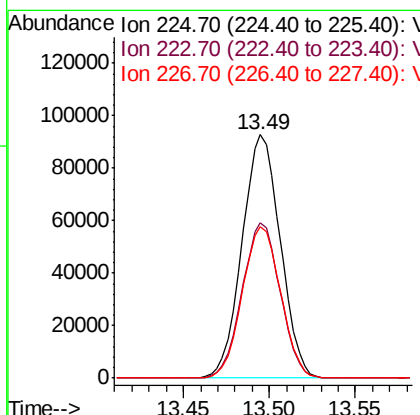
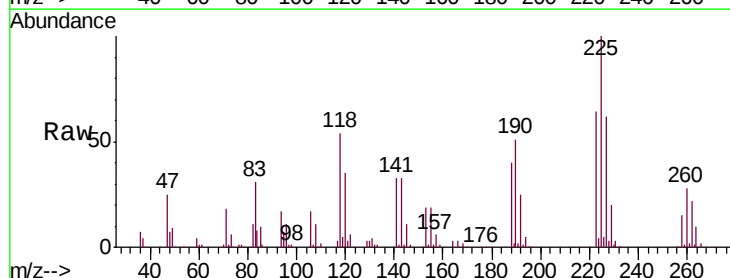
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

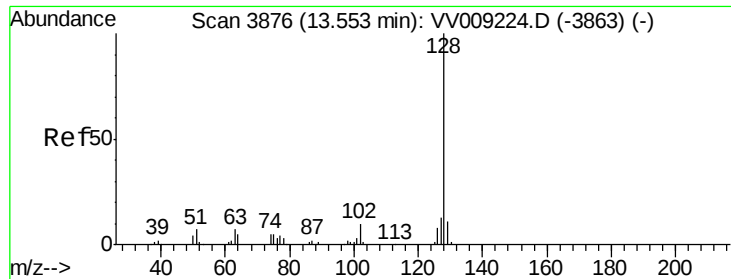
Tgt Ion:180 Resp: 263488
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.8 143.3
 145 32.3 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 157.307 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion:225 Resp: 143334
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.5 94.5
 227 62.3 32.1 96.3





#95

Naphthalene

Concen: 174.175 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

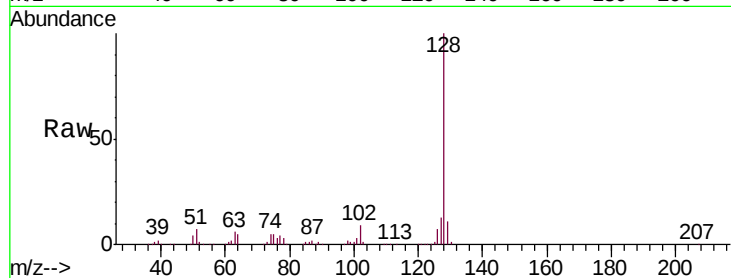
Tgt Ion:128 Resp: 499397

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

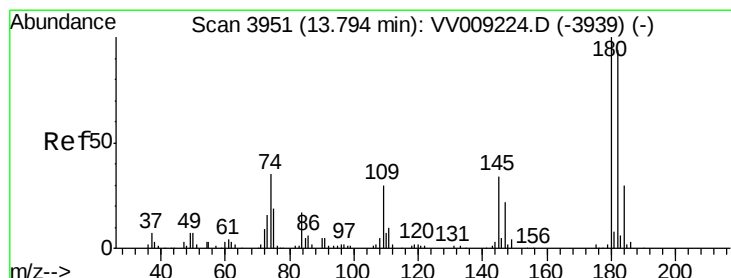
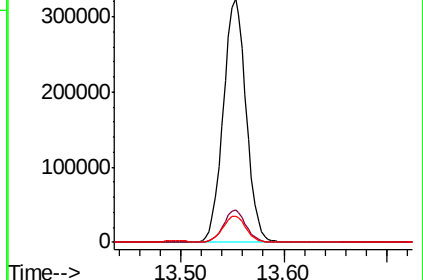
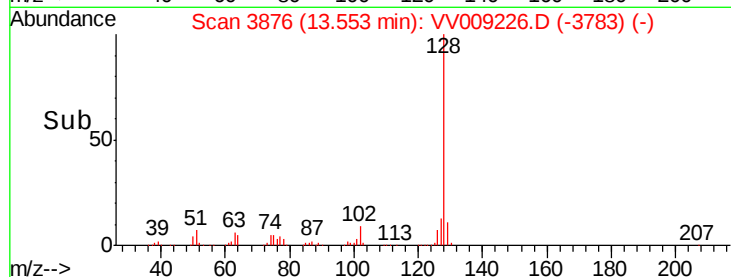
129 11.0 8.6 13.0



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: 160.560 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

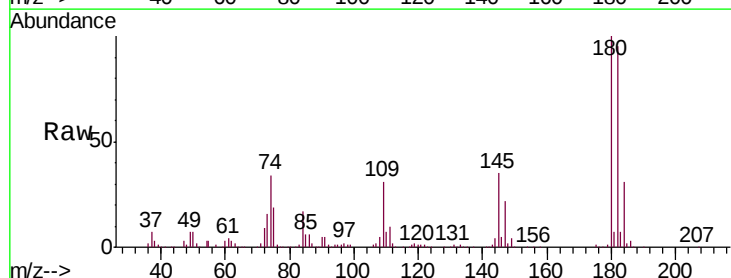
Tgt Ion:180 Resp: 225260

Ion Ratio Lower Upper

180 100

182 94.8 46.7 140.1

145 34.7 17.0 51.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

