

Data File : VV009241.D
Acq On : 22 Jan 2019 18:32
Operator : SY/MD
Sample : VV0122SBS01
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Quant Time: Jan 23 01:41:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 23 01:31:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	81340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	138250	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	126291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	63716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	51431	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	4.64	113	45904	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	7.36	98	177693	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	10.12	95	66939	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.14	85	11160	16.962 ug/l	97
3) Chloromethane	1.25	50	17447	19.700 ug/l	98
4) Vinyl Chloride	1.32	62	19449	19.328 ug/l	99
5) Bromomethane	1.52	94	10961	19.208 ug/l	100
6) Chloroethane	1.59	64	10551	18.760 ug/l	99
7) Trichlorofluoromethane	1.76	101	11045	15.640 ug/l	97
8) Diethyl Ether	1.96	74	8943	20.135 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.13	101	17647	20.111 ug/l	98
10) Methyl Iodide	2.25	142	28160	20.107 ug/l	99
11) Tert butyl alcohol	2.66	59	7873	120.594 ug/l	95
12) 1,1-Dichloroethene	2.13	96	17262	20.037 ug/l	94
13) Acrolein	2.05	56	6780	123.751 ug/l	96
14) Allyl chloride	2.42	41	27802	18.724 ug/l	94
15) Acrylonitrile	2.76	53	21697	112.778 ug/l	99
16) Acetone	2.18	43	26676	99.118 ug/l	99
17) Carbon Disulfide	2.31	76	50903	19.315 ug/l	100
18) Methyl Acetate	2.44	43	14631	20.353 ug/l	96
19) Methyl tert-butyl Ether	2.79	73	27776	20.770 ug/l	98
20) Methylene Chloride	2.52	84	20925	21.138 ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	18114	19.515 ug/l	96
22) Diisopropyl ether	3.32	45	62568	19.789 ug/l	97
23) Vinyl Acetate	3.30	43	183574	107.007 ug/l	98
24) 1,1-Dichloroethane	3.22	63	38373	19.508 ug/l	99
25) 2-Butanone	4.01	43	34540	112.230 ug/l	98
26) 2,2-Dichloropropane	3.94	77	20783	18.773 ug/l	99
27) cis-1,2-Dichloroethene	3.95	96	22612	20.157 ug/l	98
28) Bromochloromethane	4.29	49	14834	20.435 ug/l	97
29) Tetrahydrofuran	4.39	42	20723	123.802 ug/l	96
30) Chloroform	4.41	83	38053	19.261 ug/l	99
31) Cyclohexane	4.72	56	35344	19.682 ug/l	94
32) 1,1,1-Trichloroethane	4.65	97	32361	19.434 ug/l	99
36) 1,1-Dichloropropene	4.87	75	29693	19.345 ug/l	99
37) Ethyl Acetate	4.12	43	14206	24.082 ug/l	98
38) Carbon Tetrachloride	4.87	117	28801	18.742 ug/l	98

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VV0122SBSD01

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	36113	19.868	ug/l	98
40) Benzene	5.14	78	84640	19.716	ug/l	98
41) Methacrylonitrile	4.31	41	7770	21.855	ug/l	99
42) 1,2-Dichloroethane	5.17	62	26518	19.736	ug/l	98
43) Isopropyl Acetate	5.32	43	26390	22.744	ug/l	99
44) Trichloroethene	5.96	130	21738	19.242	ug/l	99
45) 1,2-Dichloropropane	6.22	63	19994	19.362	ug/l	96
46) Dibromomethane	6.35	93	11193	21.124	ug/l	98
47) Bromodichloromethane	6.55	83	26982	19.270	ug/l	100
48) Methyl methacrylate	6.42	41	13057	22.052	ug/l	97
49) 1,4-Dioxane	6.41	88	3518	521.208	ug/l	91
51) 4-Methyl-2-Pentanone	7.27	43	64777	110.002	ug/l	99
52) Toluene	7.43	92	52620	19.376	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	27135	19.911	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	30696	19.561	ug/l	98
55) 1,1,2-Trichloroethane	7.88	97	15572	20.858	ug/l	95
56) Ethyl methacrylate	7.83	69	18091	20.799	ug/l	93
57) 1,3-Dichloropropane	8.05	76	28183	20.850	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1037	76.291	ug/l #	88
59) 2-Hexanone	8.18	43	46812	109.908	ug/l	96
60) Dibromochloromethane	8.29	129	17634	20.173	ug/l	100
61) 1,2-Dibromoethane	8.40	107	15401	21.095	ug/l	100
64) Tetrachloroethene	8.02	164	17844	19.855	ug/l	99
65) Chlorobenzene	8.92	112	57818	19.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	19479	19.399	ug/l	98
67) Ethyl Benzene	9.05	91	101375	19.368	ug/l	99
68) m/p-Xylenes	9.18	106	77083	38.791	ug/l	99
69) o-Xylene	9.59	106	35826	19.446	ug/l	97
70) Styrene	9.60	104	58234	19.806	ug/l	99
71) Bromoform	9.77	173	9754	20.599	ug/l #	98
73) Isopropylbenzene	9.97	105	101273	19.248	ug/l	100
74) N-amyl acetate	9.84	43	21178	21.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	19260	21.713	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	20768	29.771	ug/l	79
77) Bromobenzene	10.26	156	22703	20.173	ug/l	98
78) n-propylbenzene	10.40	91	120280	19.284	ug/l	100
79) 2-Chlorotoluene	10.47	91	72657	19.306	ug/l	100
80) 1,3,5-Trimethylbenzene	10.58	105	85682	19.418	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	4942	20.048	ug/l	95
82) 4-Chlorotoluene	10.58	91	84783	19.126	ug/l	99
83) tert-Butylbenzene	10.91	119	81173	19.319	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	87320	19.617	ug/l	99
85) sec-Butylbenzene	11.13	105	106165	19.291	ug/l	99
86) p-Isopropyltoluene	11.29	119	94094	19.527	ug/l	100
87) 1,3-Dichlorobenzene	11.22	146	46246	19.791	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	46642	19.745	ug/l	98
89) n-Butylbenzene	11.70	91	90680	19.388	ug/l	99
90) Hexachloroethane	11.95	117	15868	18.519	ug/l	98
91) 1,2-Dichlorobenzene	11.69	146	40854	19.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3349	22.489	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012219\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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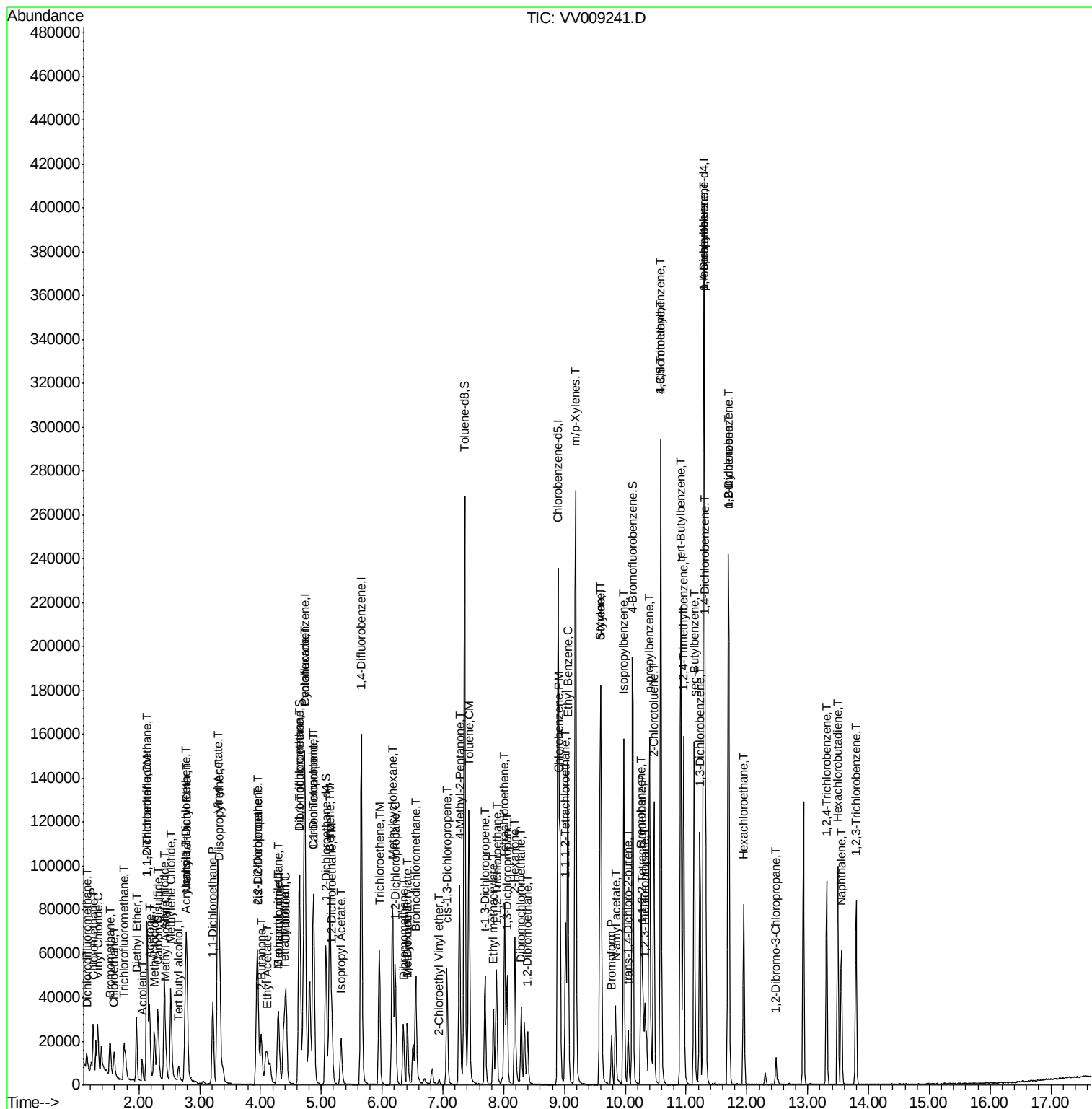
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	27224	20.502	ug/l	100
94) Hexachlorobutadiene	13.49	225	16576	20.142	ug/l	99
95) Naphthalene	13.55	128	48211	20.998	ug/l	98
96) 1,2,3-Trichlorobenzene	13.79	180	23140	20.580	ug/l	100

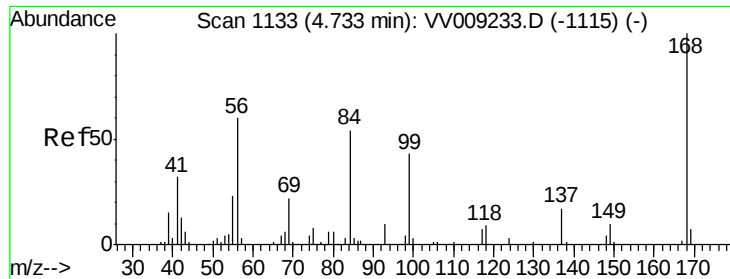
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

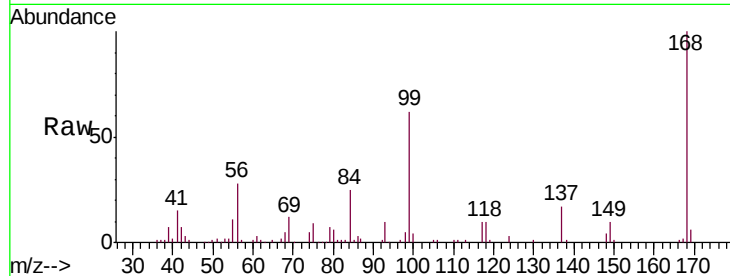
VV0122SBS01

Tgt Ion:168 Resp: 81340

Ion Ratio Lower Upper

168 100

99 61.3 50.9 76.3



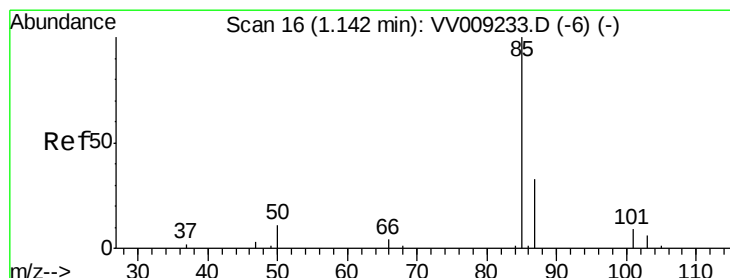
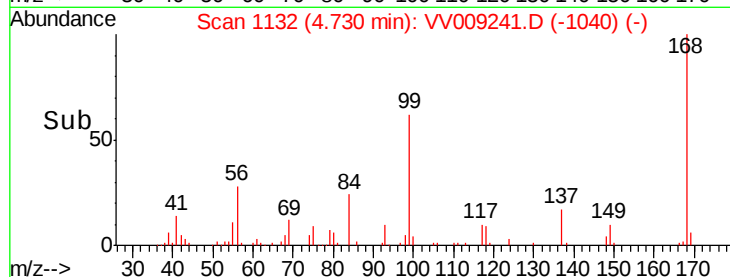
Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

4.73

4.60 4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.962 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009241.D

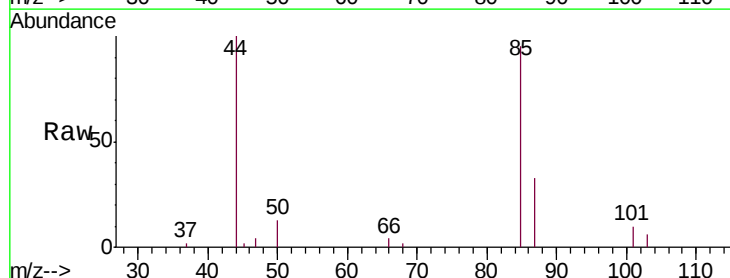
Acq: 22 Jan 2019 18:32

Tgt Ion: 85 Resp: 11160

Ion Ratio Lower Upper

85 100

87 34.8 16.6 49.7



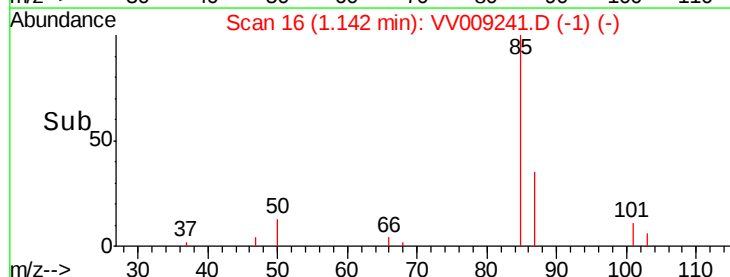
Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

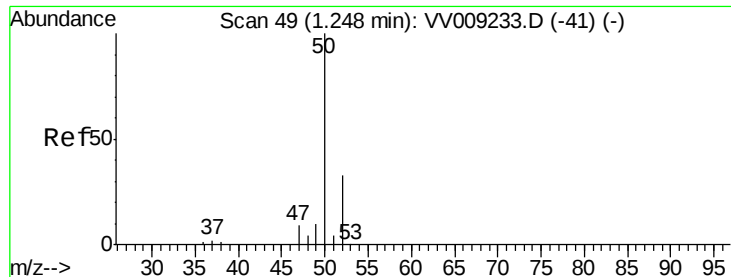
Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

1.10 1.15 1.20

Time-->





#3

Chloromethane

Concen: 19.700 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

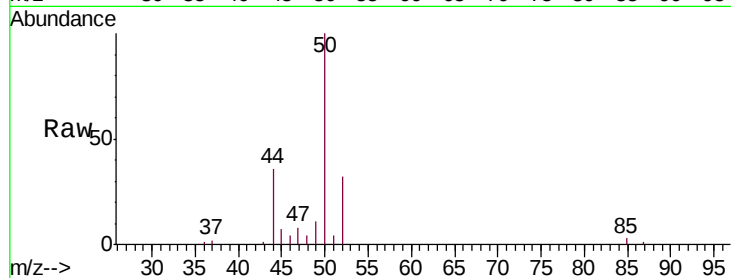
VV0122SBSD01

Tgt Ion: 50 Resp: 17447

Ion Ratio Lower Upper

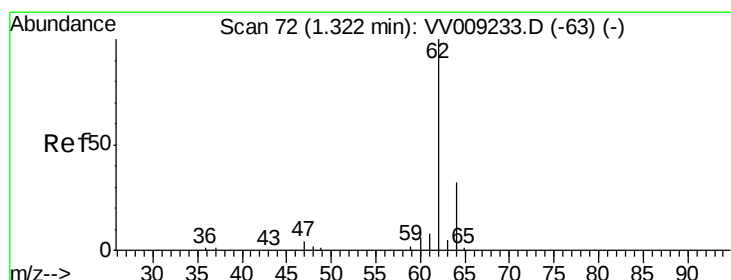
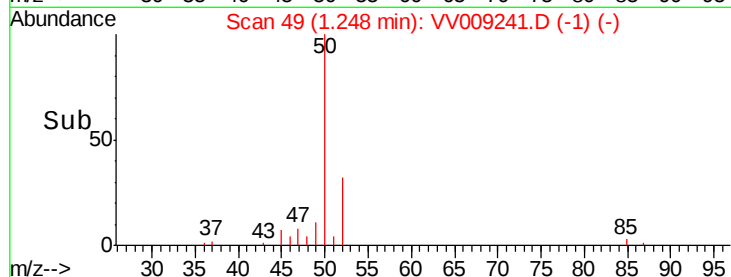
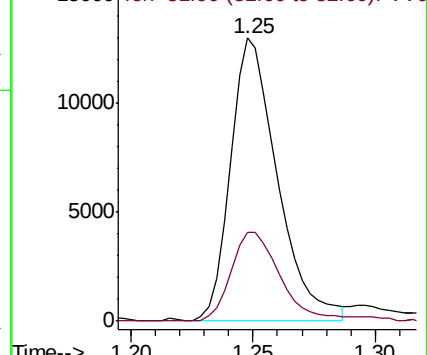
50 100

52 31.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0



#4

Vinyl Chloride

Concen: 19.328 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009241.D

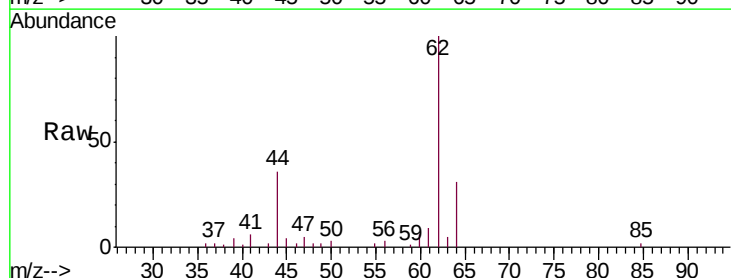
Acq: 22 Jan 2019 18:32

Tgt Ion: 62 Resp: 19449

Ion Ratio Lower Upper

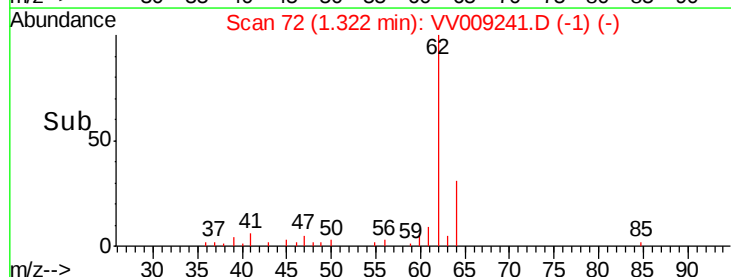
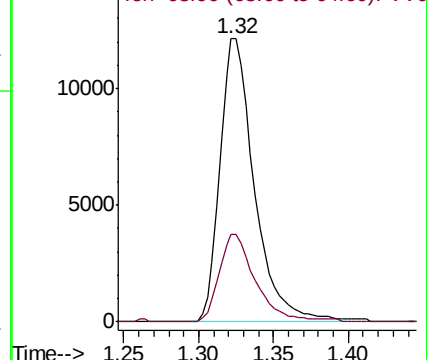
62 100

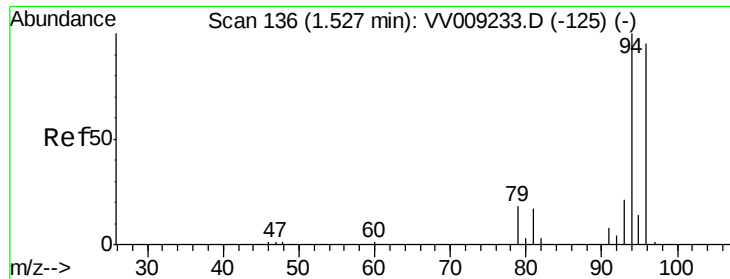
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0





#5

Bromomethane

Concen: 19.208 ug/l

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

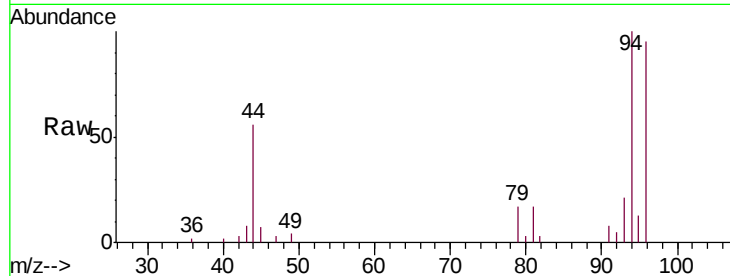
VV0122SBS01

Tgt Ion: 94 Resp: 10961

Ion Ratio Lower Upper

94 100

96 95.3 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VV0

Ion 95.90 (95.60 to 96.60): VV0

6000

5000

4000

3000

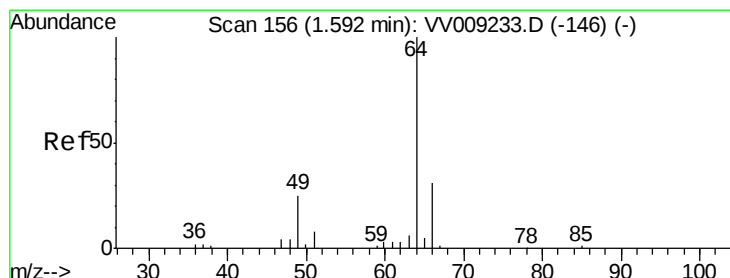
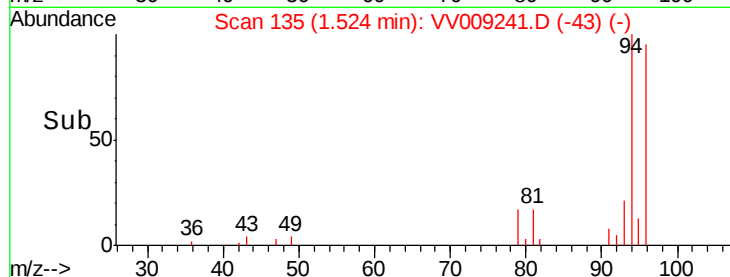
2000

1000

0

Time-->

1.45 1.50 1.55 1.60



#6

Chloroethane

Concen: 18.760 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009241.D

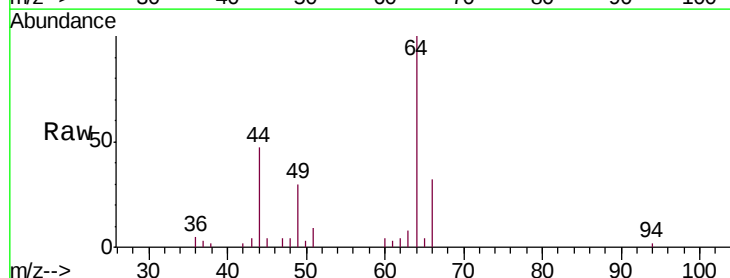
Acq: 22 Jan 2019 18:32

Tgt Ion: 64 Resp: 10551

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV0

Ion 65.90 (65.60 to 66.60): VV0

6000

5000

4000

3000

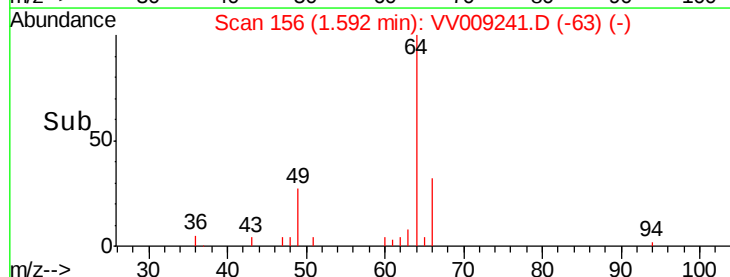
2000

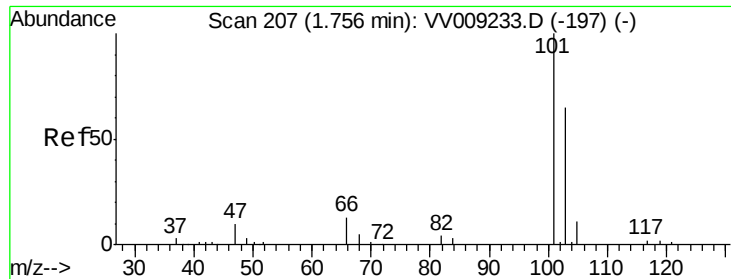
1000

0

Time-->

1.50 1.55 1.60 1.65 1.70



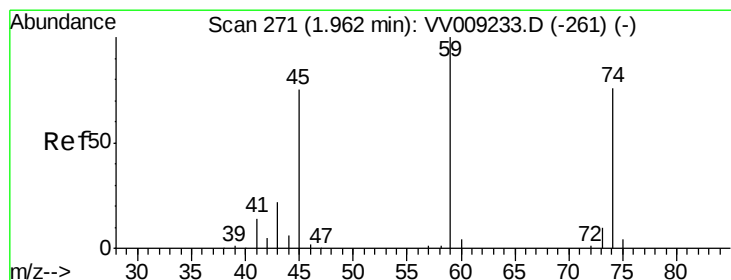
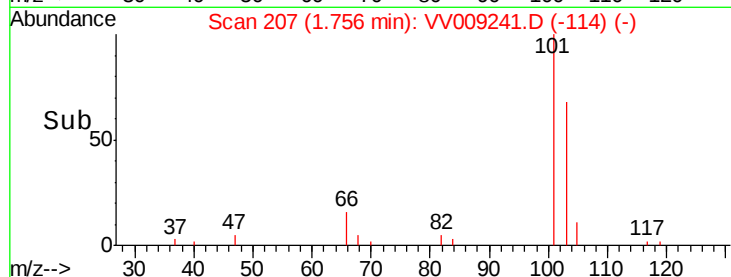
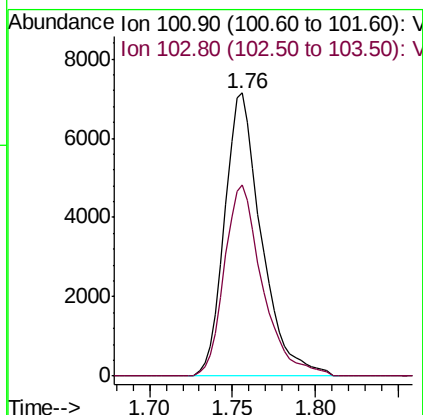
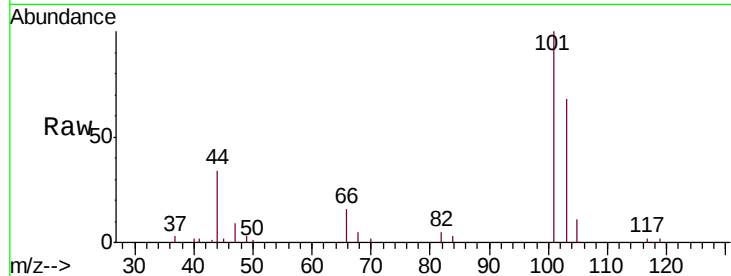


#7

Trichlorofluoromethane
Concen: 15.640 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
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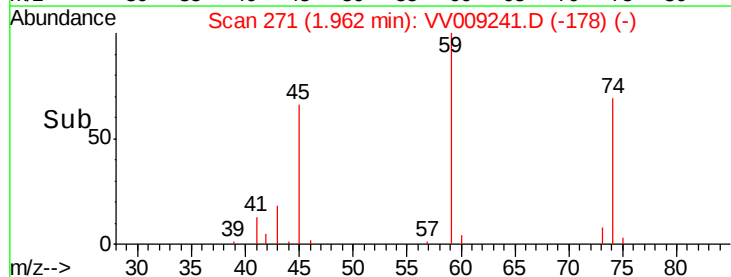
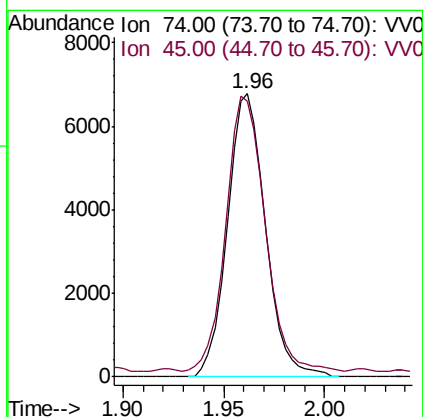
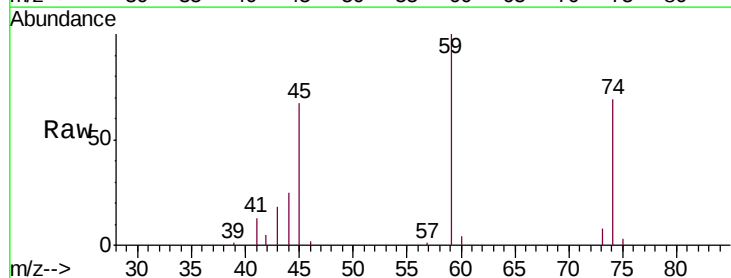
Tgt Ion:101 Resp: 11045
Ion Ratio Lower Upper
101 100
103 67.5 52.2 78.4

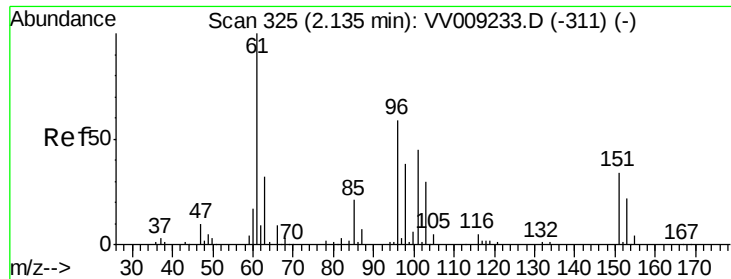


#8

Diethyl Ether
Concen: 20.135 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 74 Resp: 8943
Ion Ratio Lower Upper
74 100
45 99.3 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.111 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

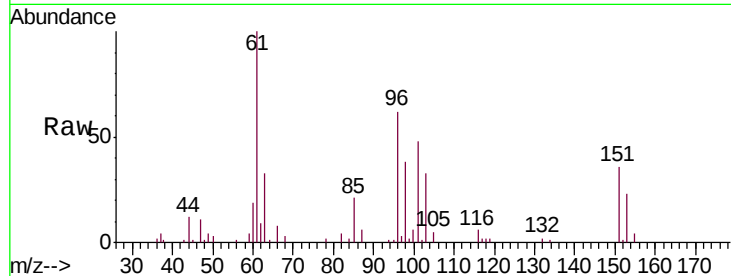
Tgt Ion:101 Resp: 17647

Ion Ratio Lower Upper

101 100

85 43.0 35.3 52.9

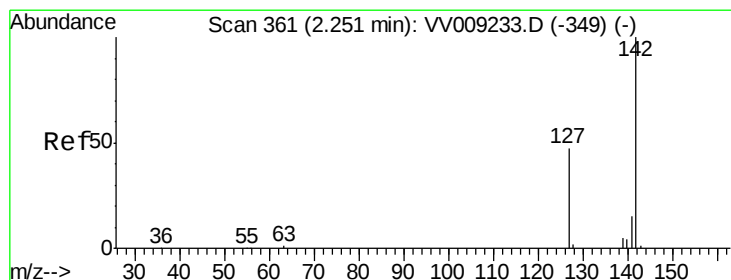
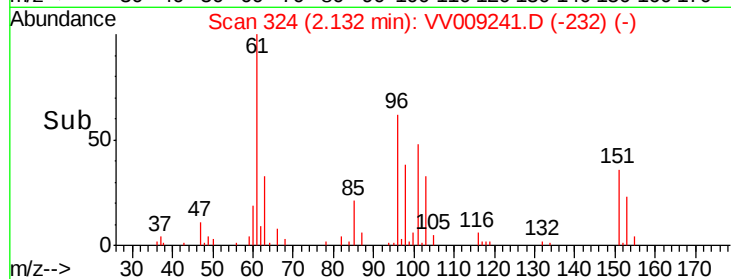
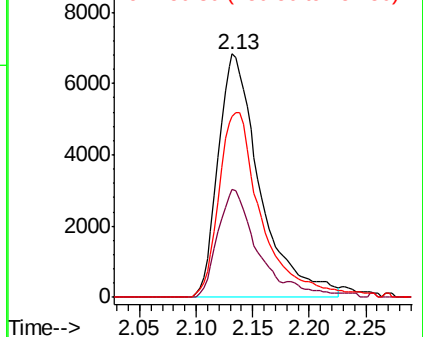
151 76.6 60.1 90.1



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: 20.107 ug/l

RT: 2.25 min Scan# 362

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

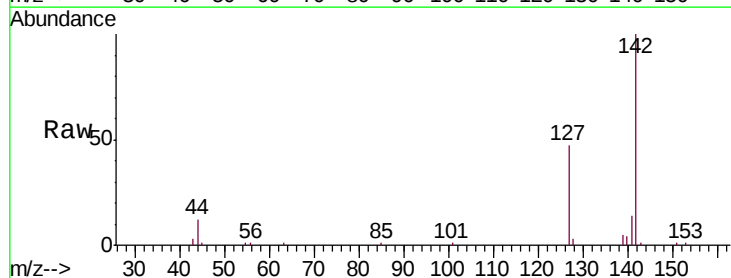
Tgt Ion:142 Resp: 28160

Ion Ratio Lower Upper

142 100

127 46.3 37.9 56.9

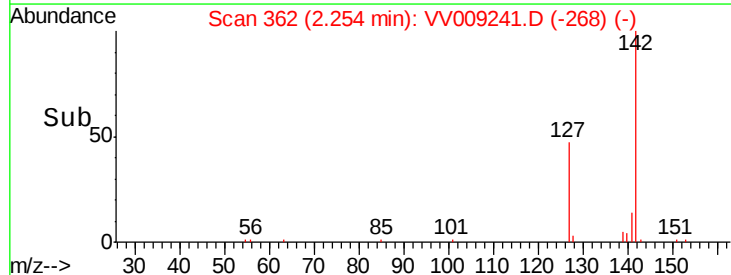
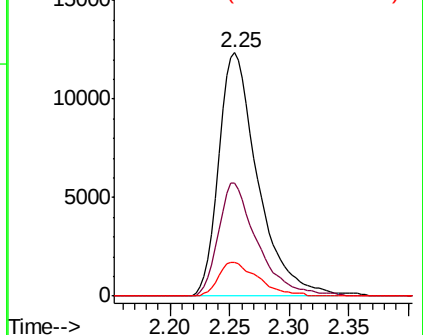
141 14.3 11.7 17.5

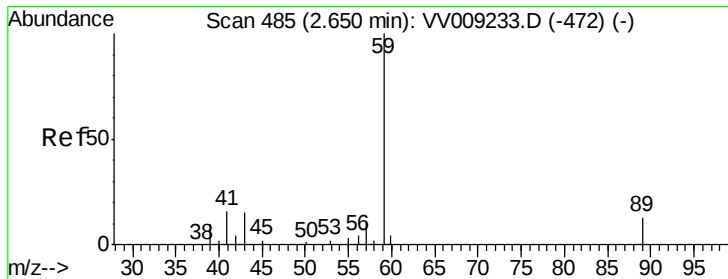


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

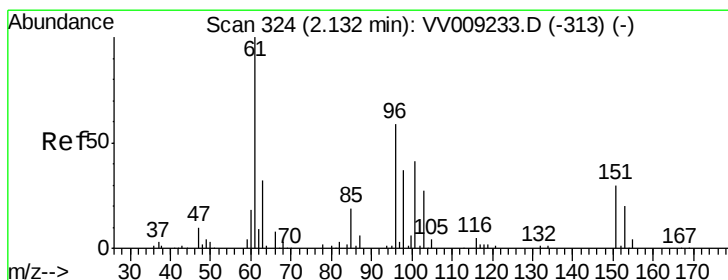
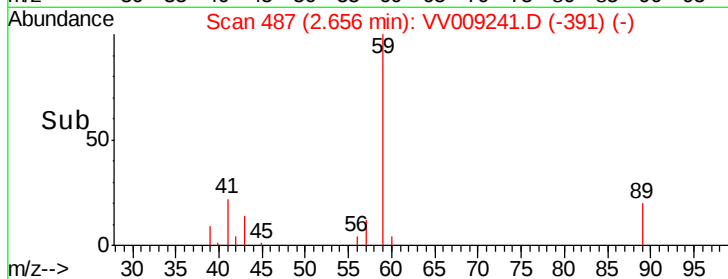
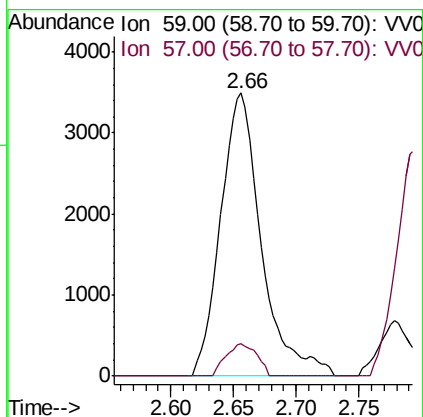
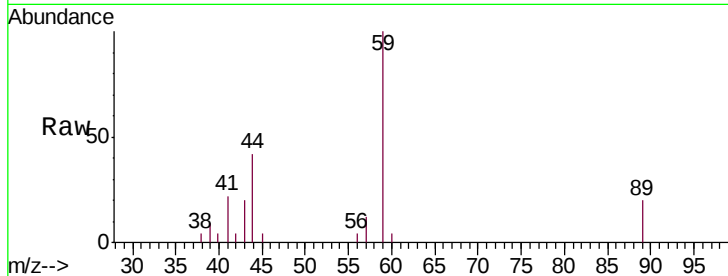




#11
Tert butyl alcohol
Concen: 120.594 ug/l
RT: 2.66 min Scan# 487
Delta R.T. 0.01 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

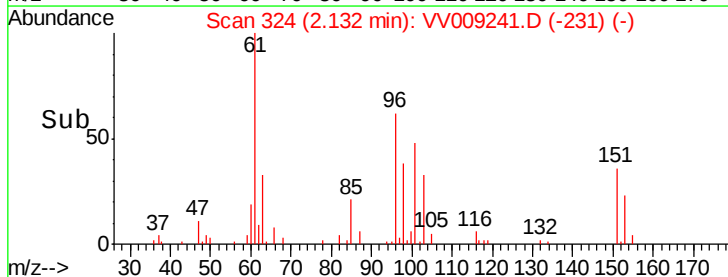
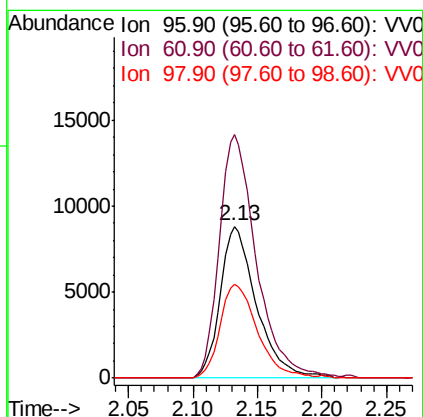
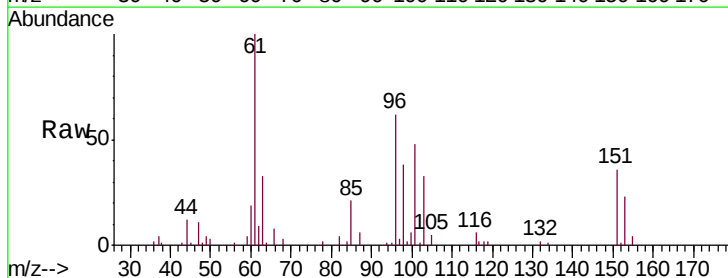
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

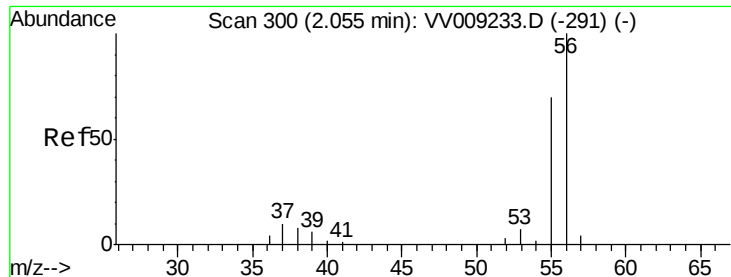
Tgt Ion: 59 Resp: 7873
Ion Ratio Lower Upper
59 100
57 8.6 8.4 12.6



#12
1,1-Dichloroethene
Concen: 20.037 ug/l
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 96 Resp: 17262
Ion Ratio Lower Upper
96 100
61 160.1 136.6 205.0
98 61.5 50.6 75.8





#13

Acrolein

Concen: 123.751 ug/l

RT: 2.05 min Scan# 300

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

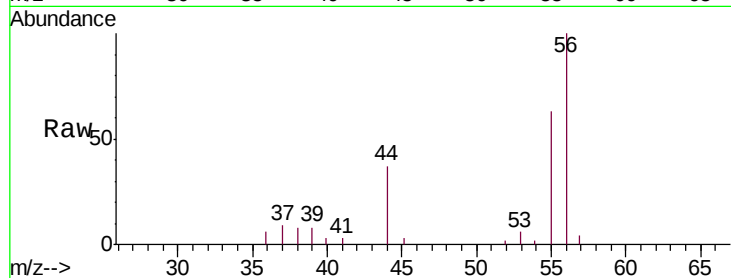
VV0122SBS01

Tgt Ion: 56 Resp: 6780

Ion Ratio Lower Upper

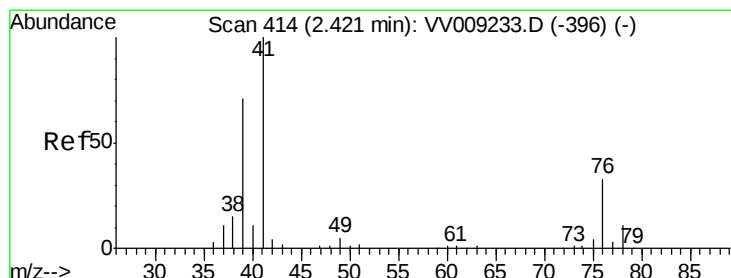
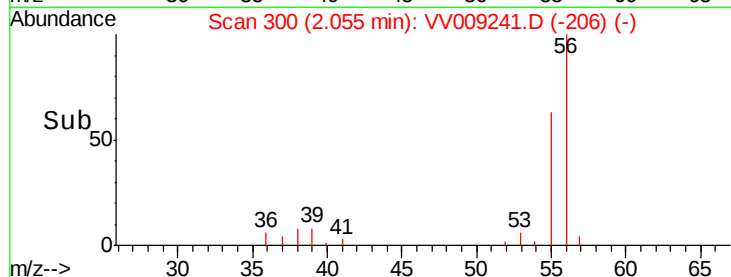
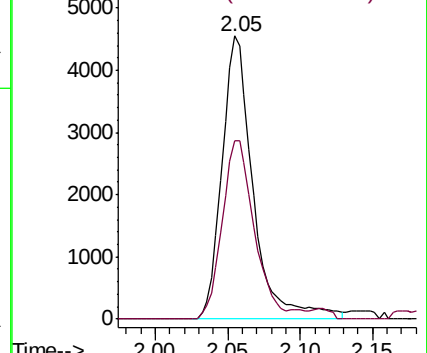
56 100

55 64.4 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 55.00 (54.70 to 55.70): VV0



#14

Allyl chloride

Concen: 18.724 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

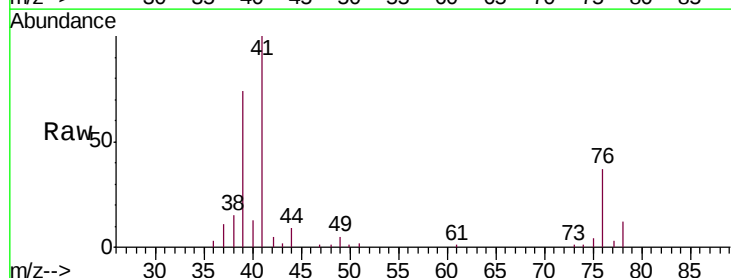
Tgt Ion: 41 Resp: 27802

Ion Ratio Lower Upper

41 100

39 72.0 55.1 82.7

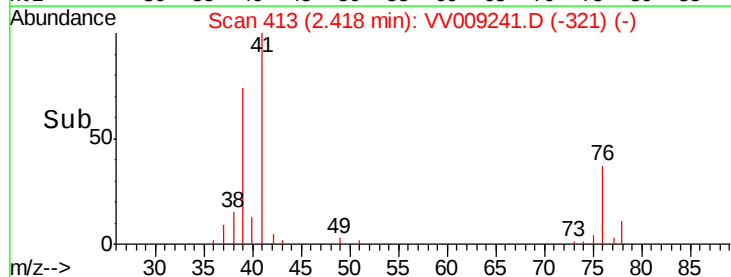
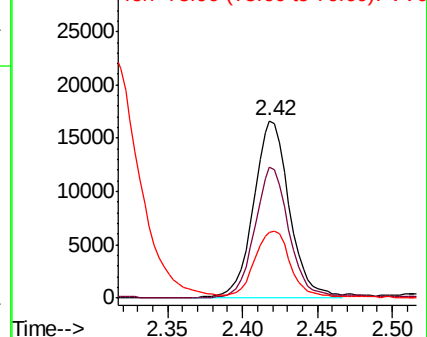
76 38.8 26.7 40.1

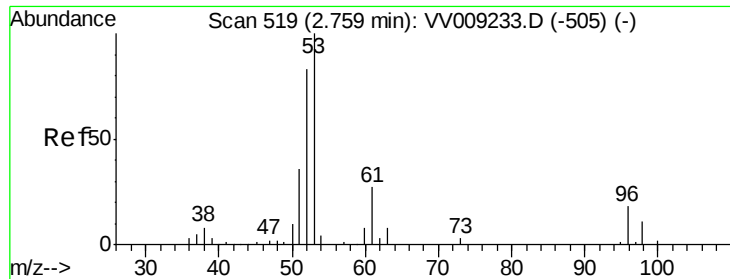


Abundance Ion 41.00 (40.70 to 41.70): VV0

Ion 39.00 (38.70 to 39.70): VV0

Ion 75.90 (75.60 to 76.60): VV0





#15

Acrylonitrile

Concen: 112.778 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBSD01

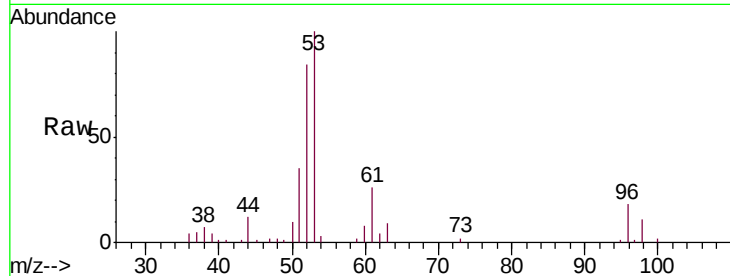
Tgt Ion: 53 Resp: 21697

Ion Ratio Lower Upper

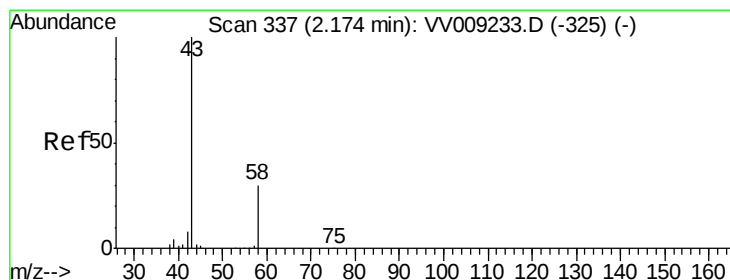
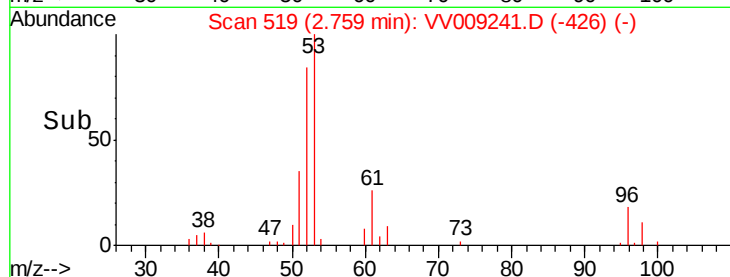
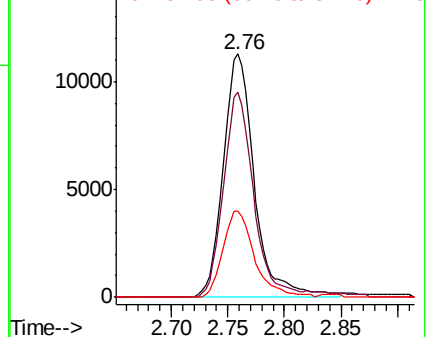
53 100

52 80.9 65.3 97.9

51 36.0 29.0 43.4



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: 99.118 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009241.D

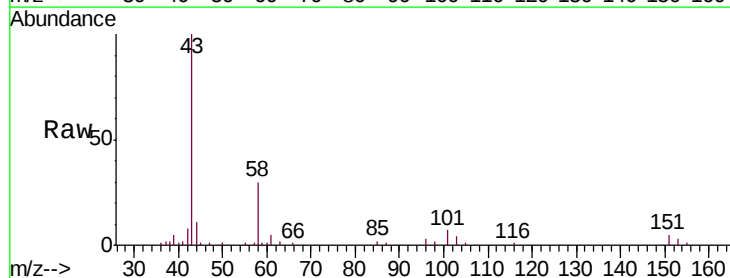
Acq: 22 Jan 2019 18:32

Tgt Ion: 43 Resp: 26676

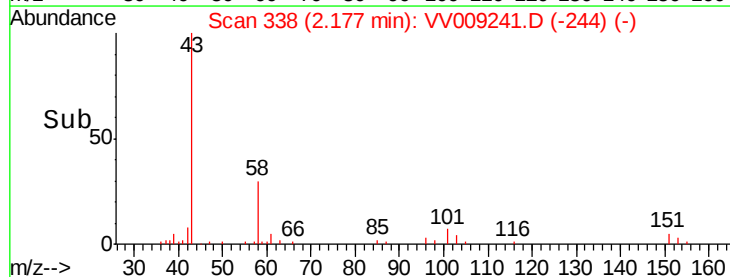
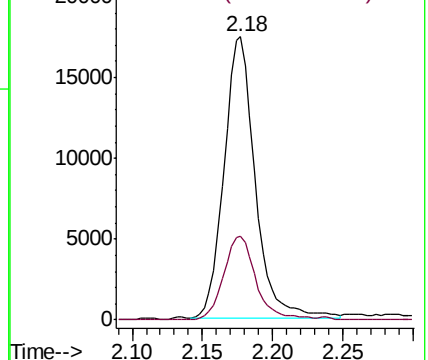
Ion Ratio Lower Upper

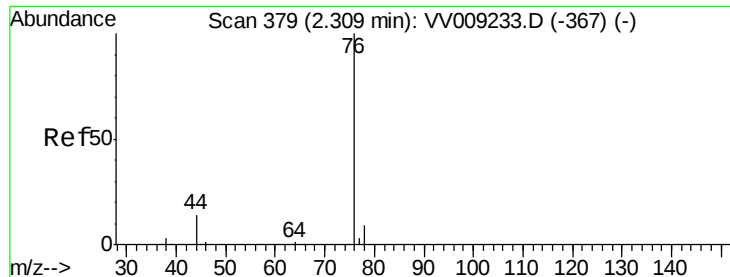
43 100

58 29.9 24.4 36.6



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

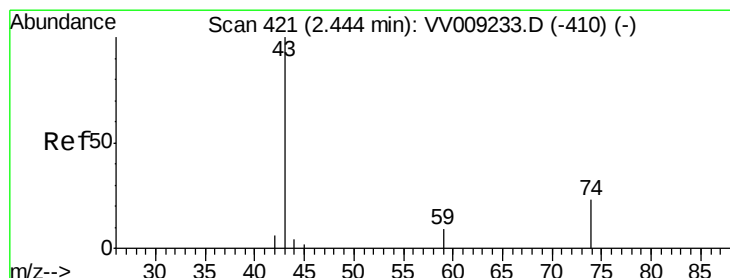
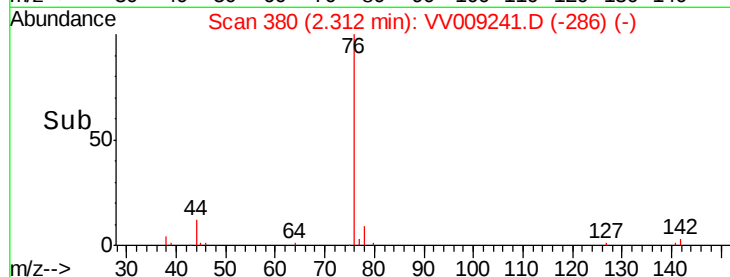
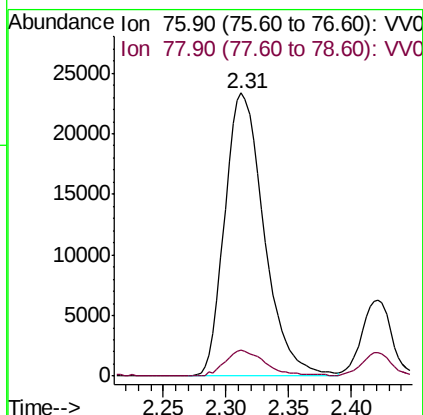
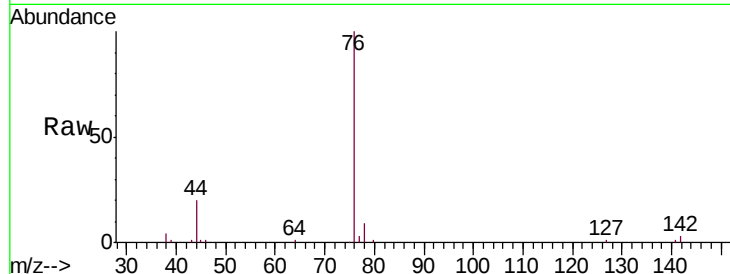




#17
Carbon Disulfide
Concen: 19.315 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

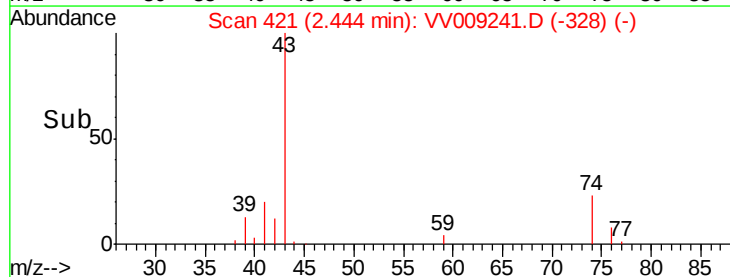
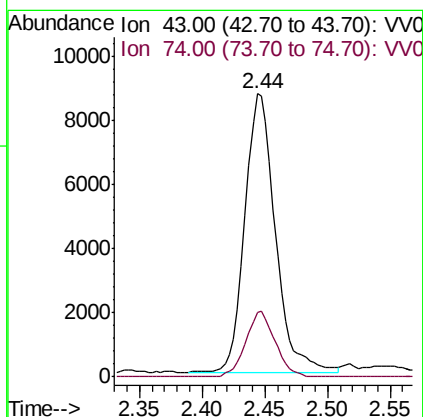
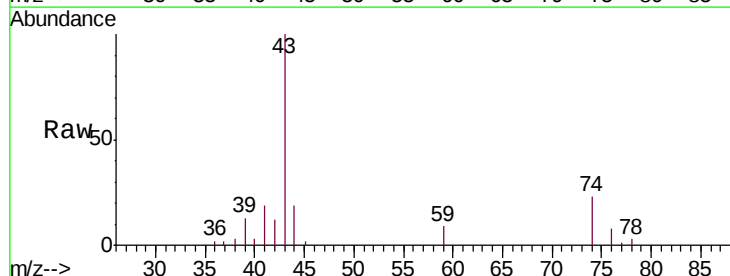
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

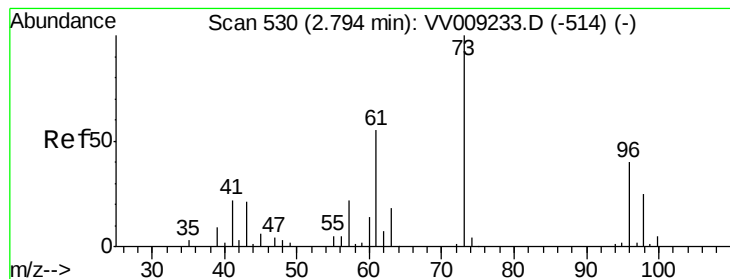
Tgt Ion: 76 Resp: 50903
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 20.353 ug/l
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 43 Resp: 14631
Ion Ratio Lower Upper
43 100
74 22.7 19.7 29.5



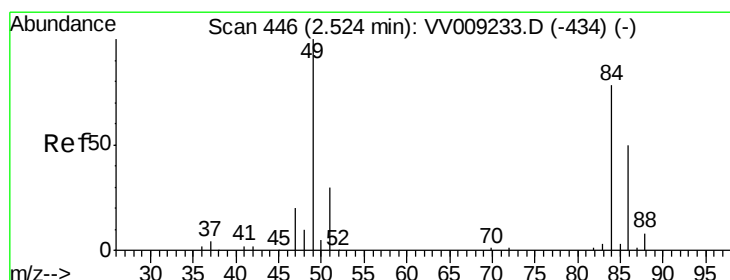
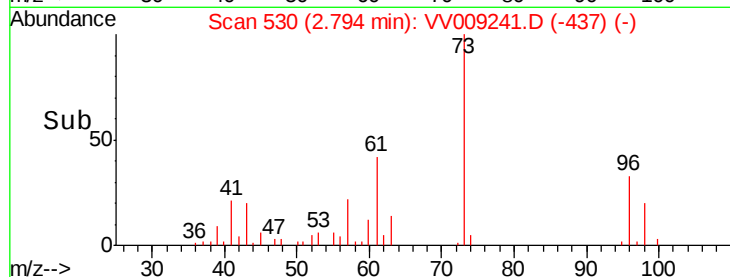
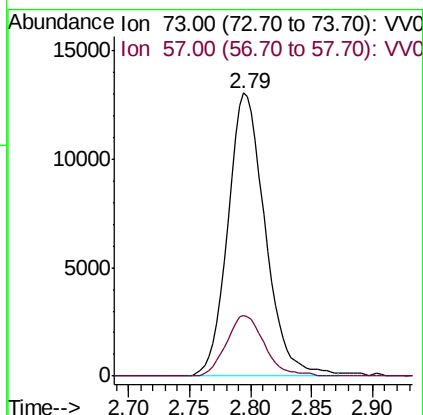
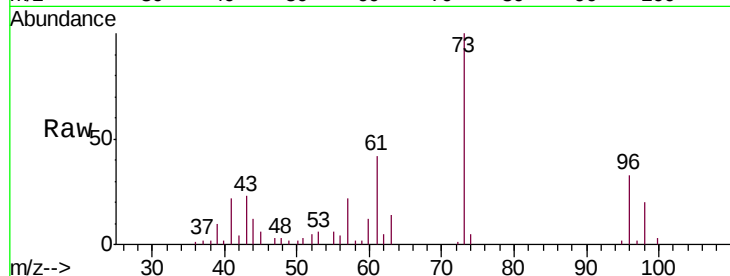


#19

Methyl tert-butyl Ether
 Concen: 20.770 ug/l
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

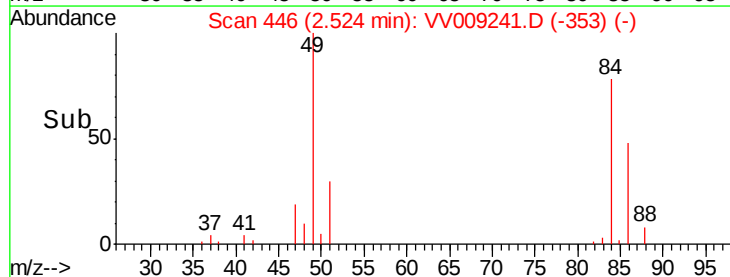
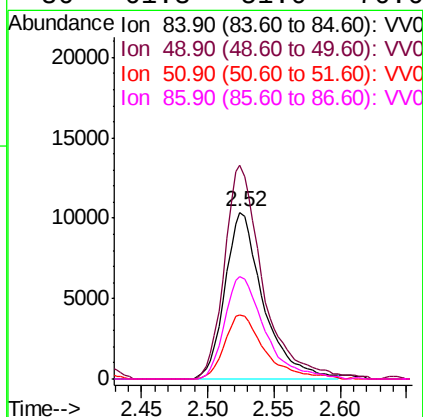
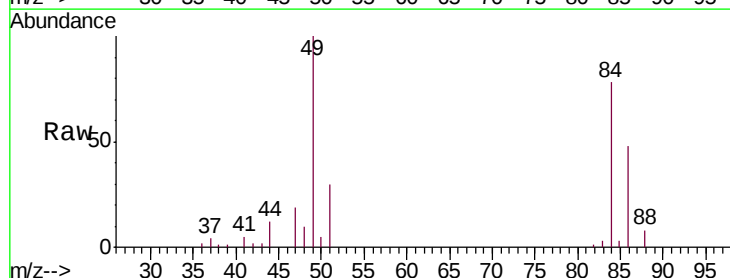
Tgt Ion: 73 Resp: 27776
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.0 27.0

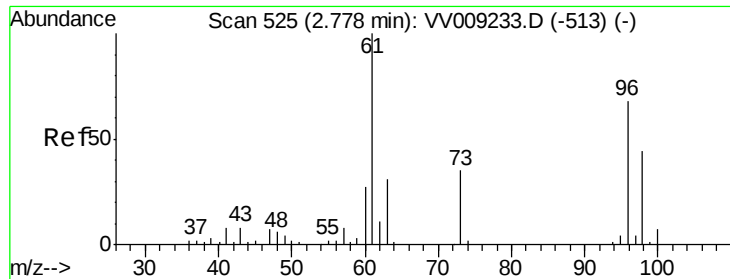


#20

Methylene Chloride
 Concen: 21.138 ug/l
 RT: 2.52 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion: 84 Resp: 20925
 Ion Ratio Lower Upper
 84 100
 49 128.3 102.0 153.0
 51 38.7 30.9 46.3
 86 61.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.515 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

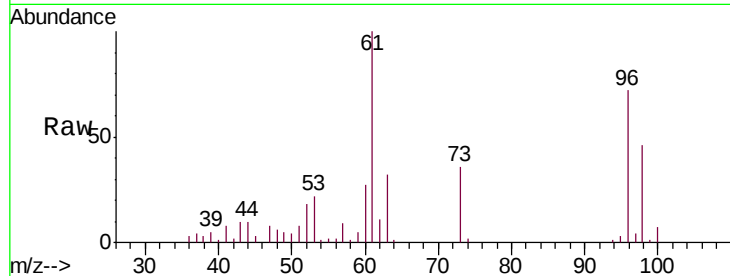
Tgt Ion: 96 Resp: 18114

Ion Ratio Lower Upper

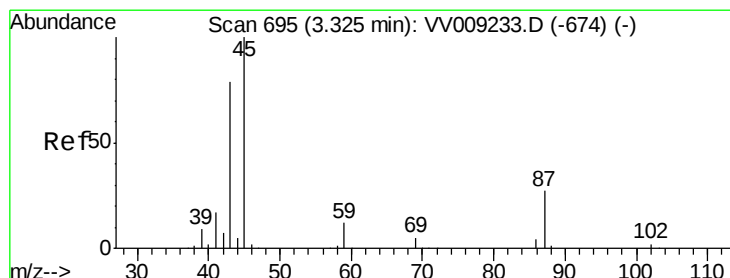
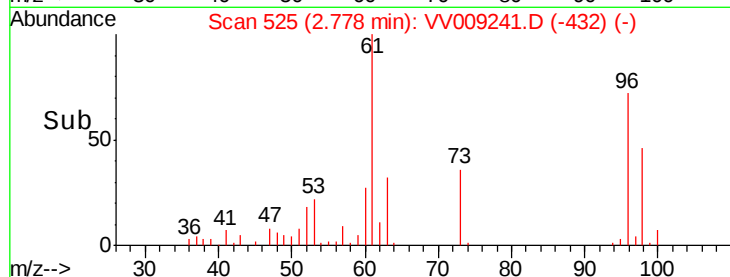
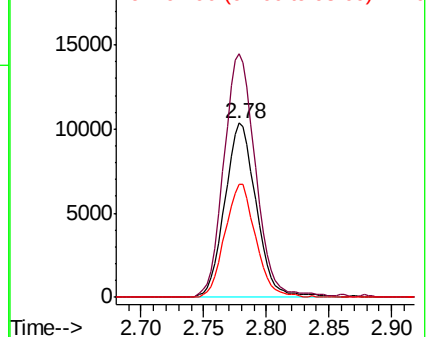
96 100

61 139.6 117.7 176.5

98 64.8 51.5 77.3



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



#22

Diisopropyl ether

Concen: 19.789 ug/l

RT: 3.32 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion: 45 Resp: 62568

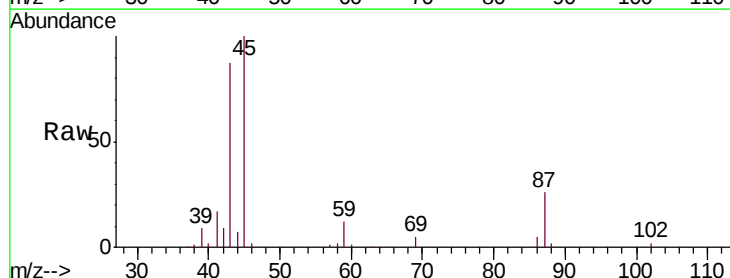
Ion Ratio Lower Upper

45 100

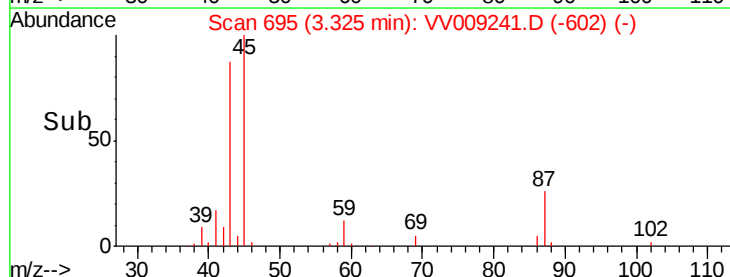
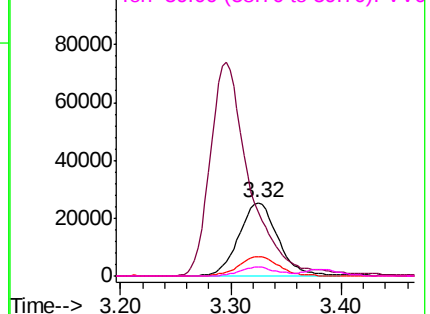
43 81.9 63.0 94.4

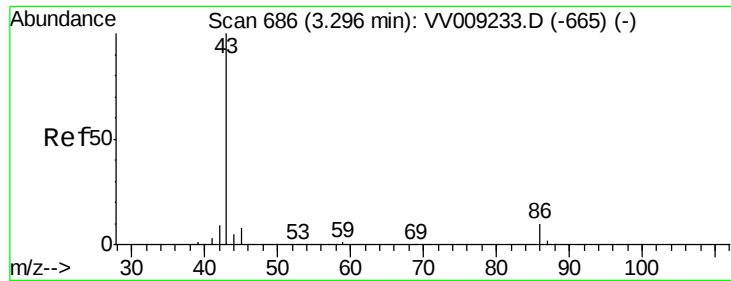
87 26.4 21.5 32.3

59 11.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 87.00 (86.70 to 87.70): VV0
Ion 59.00 (58.70 to 59.70): VV0





#23

Vinyl Acetate

Concen: 107.007 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

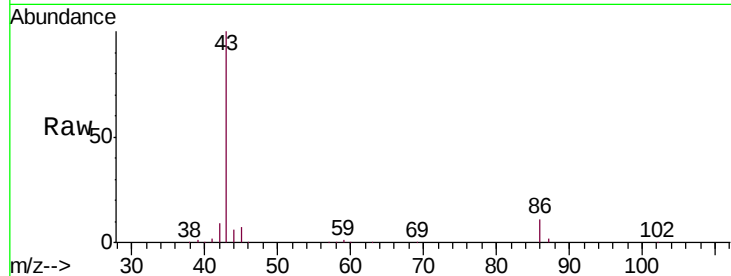
VV0122SBS01

Tgt Ion: 43 Resp: 183574

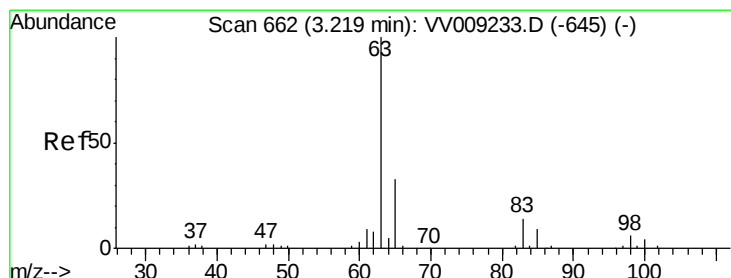
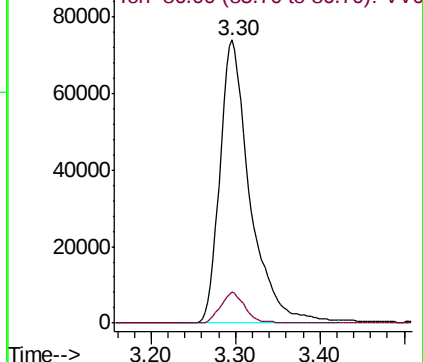
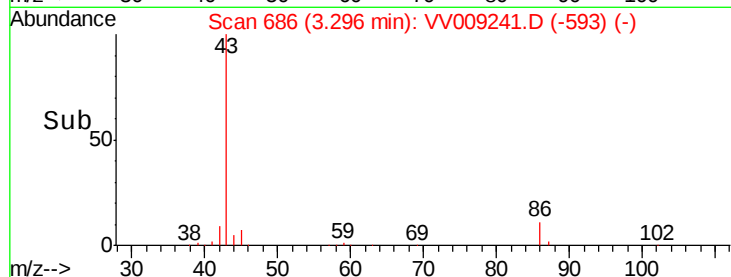
Ion Ratio Lower Upper

43 100

86 10.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VV009241.D (-593) (-)



#24

1,1-Dichloroethane

Concen: 19.508 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

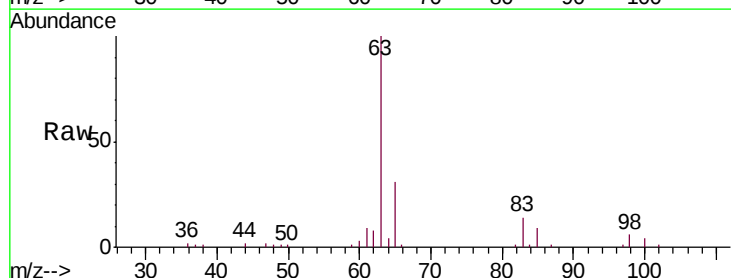
Tgt Ion: 63 Resp: 38373

Ion Ratio Lower Upper

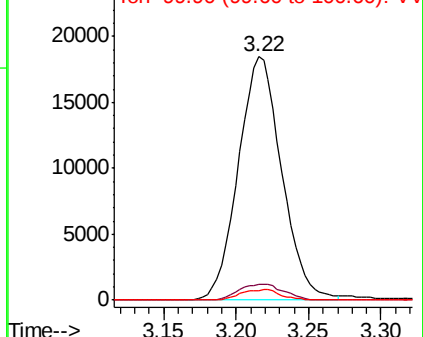
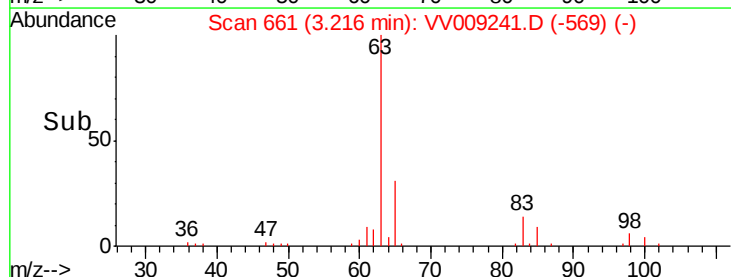
63 100

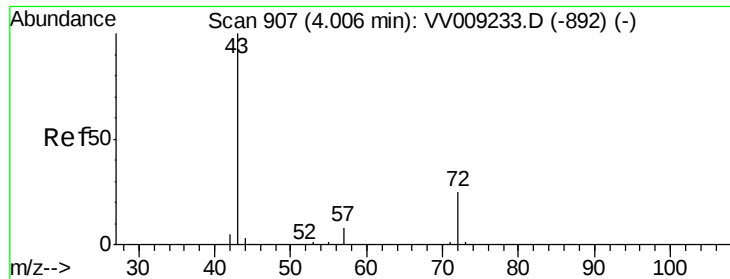
98 6.3 3.3 9.8

100 4.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VV009241.D (-569) (-)





#25

2-Butanone

Concen: 112.230 ug/l

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

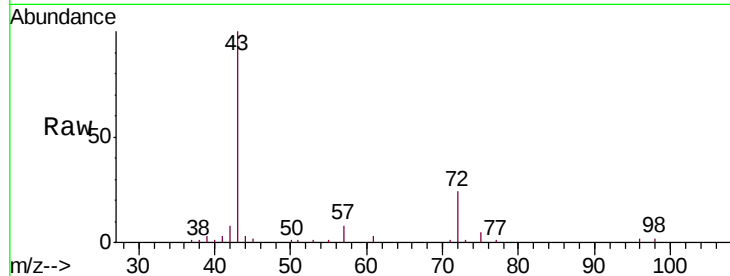
VV0122SBS01

Tgt Ion: 43 Resp: 34540

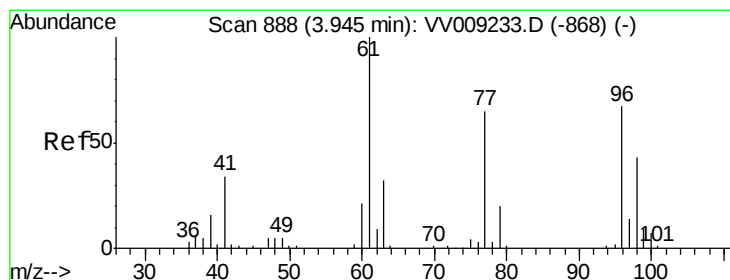
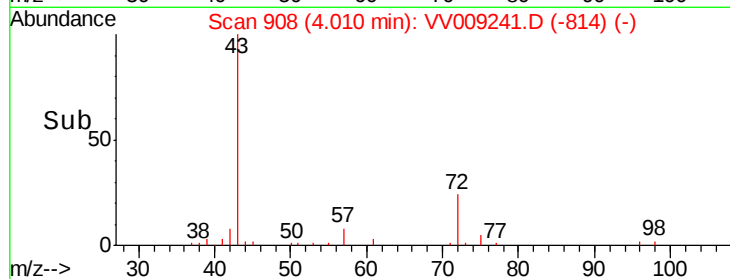
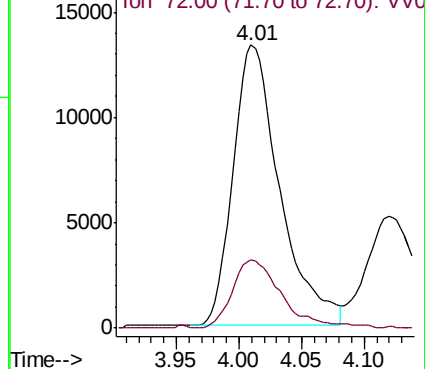
Ion Ratio Lower Upper

43 100

72 24.2 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-892) (-)



#26

2,2-Dichloropropane

Concen: 18.773 ug/l

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV009241.D

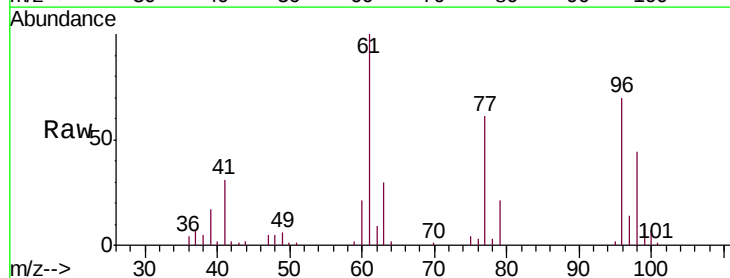
Acq: 22 Jan 2019 18:32

Tgt Ion: 77 Resp: 20783

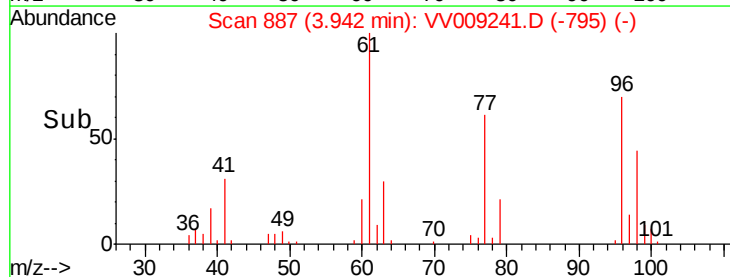
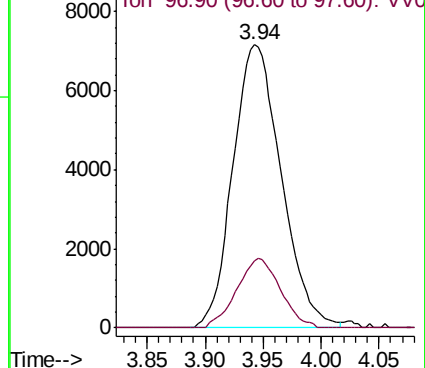
Ion Ratio Lower Upper

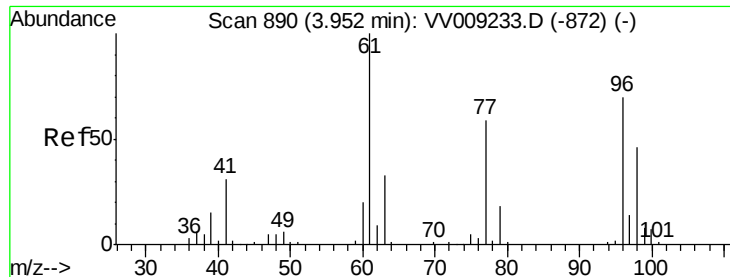
77 100

97 22.1 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV009233.D (-868) (-)



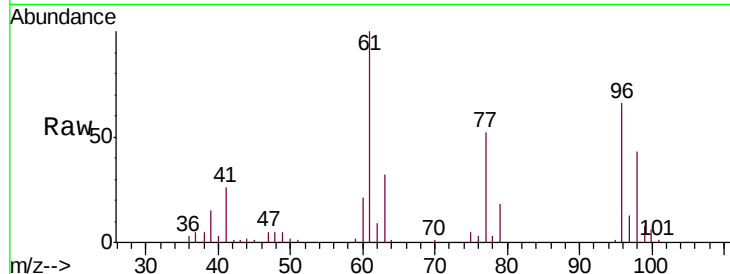


#27

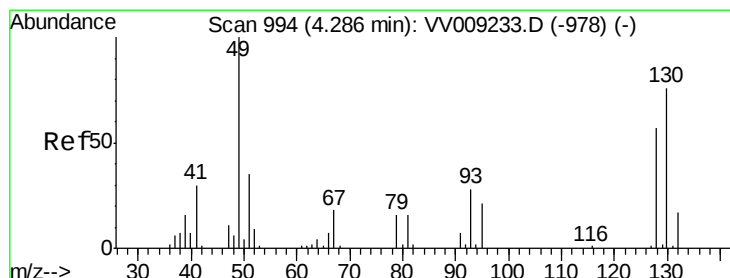
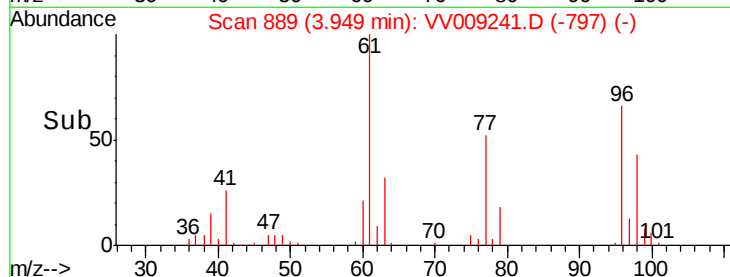
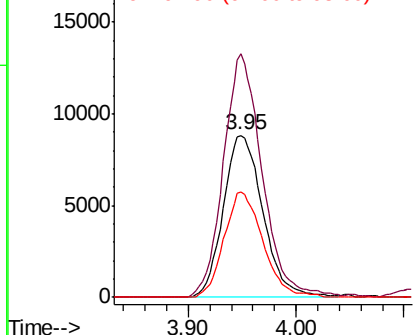
cis-1,2-Dichloroethene
Concen: 20.157 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tgt Ion: 96 Resp: 22612
Ion Ratio Lower Upper
96 100
61 146.2 0.0 296.4
98 63.7 0.0 130.0



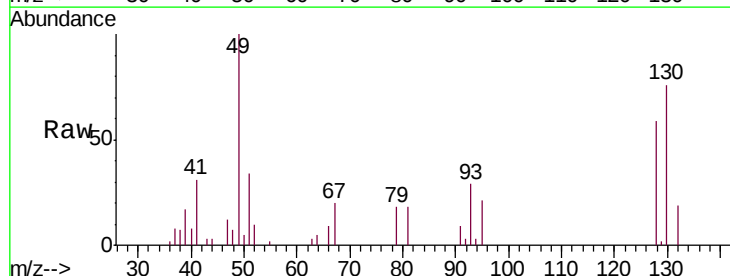
Abundance Ion 95.90 (95.60 to 96.60): VV0
Ion 60.90 (60.60 to 61.60): VV0
Ion 97.90 (97.60 to 98.60): VV0



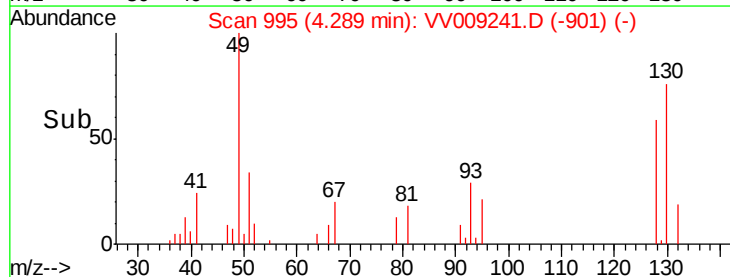
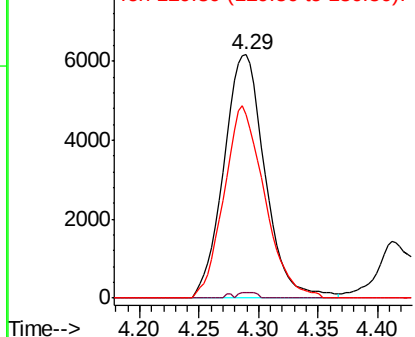
#28

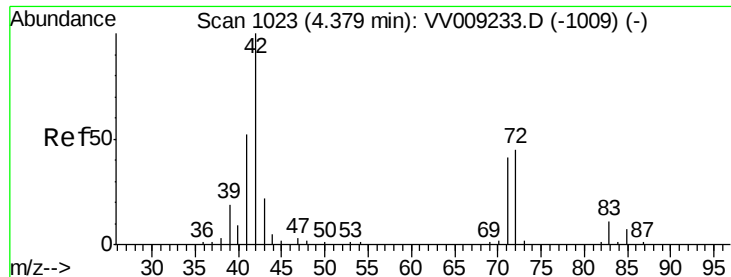
Bromochloromethane
Concen: 20.435 ug/l
RT: 4.29 min Scan# 995
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 49 Resp: 14834
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.6
130 77.7 60.2 90.4



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





#29

Tetrahydrofuran

Concen: 123.802 ug/l

RT: 4.39 min Scan# 1025

Delta R.T. 0.01 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBSD01

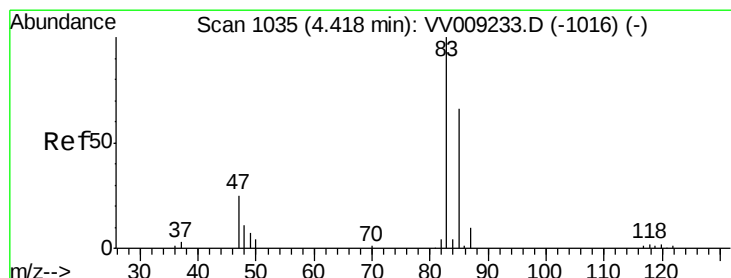
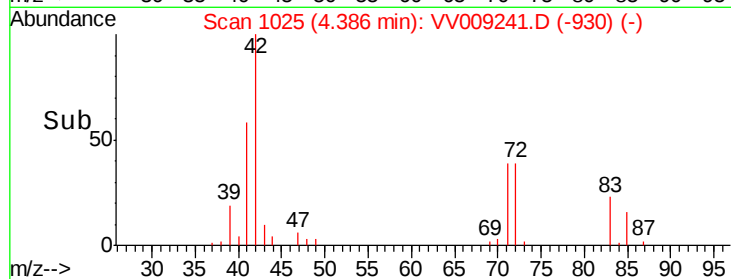
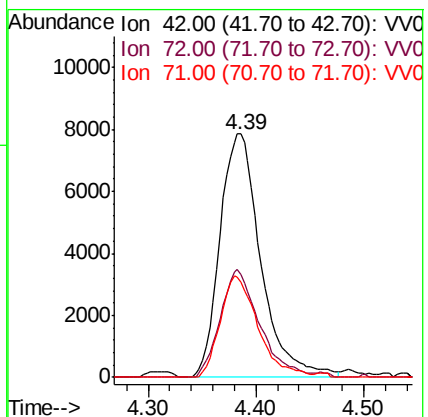
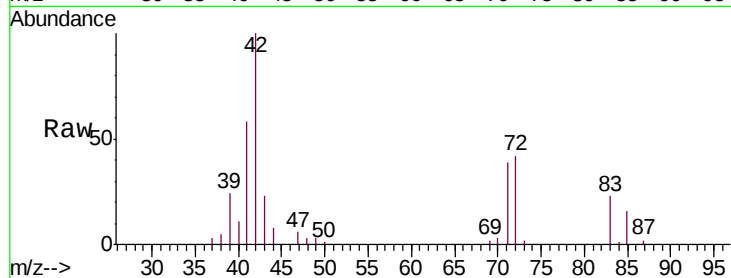
Tgt Ion: 42 Resp: 20723

Ion Ratio Lower Upper

42 100

72 42.5 37.7 56.5

71 38.5 31.5 47.3



#30

Chloroform

Concen: 19.261 ug/l

RT: 4.41 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VV009241.D

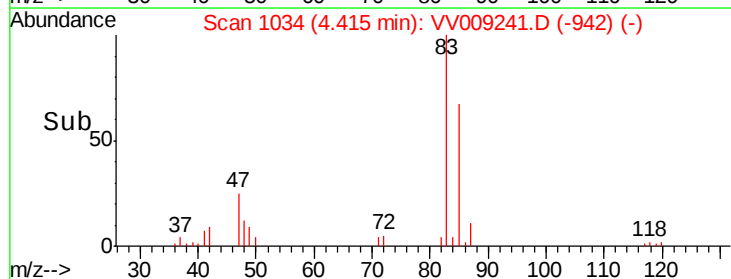
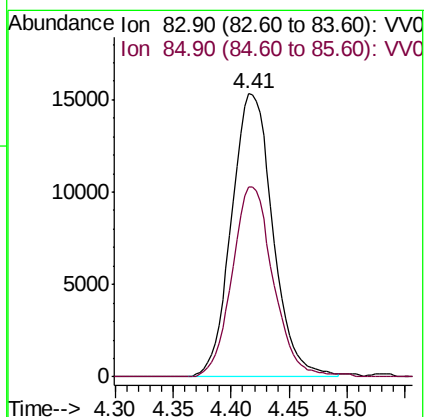
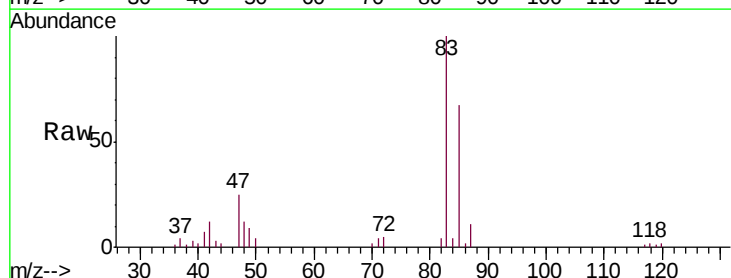
Acq: 22 Jan 2019 18:32

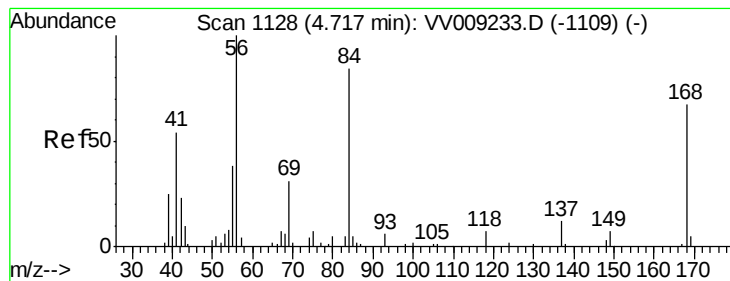
Tgt Ion: 83 Resp: 38053

Ion Ratio Lower Upper

83 100

85 66.9 52.6 79.0





#31

Cyclohexane

Concen: 19.682 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBSD01

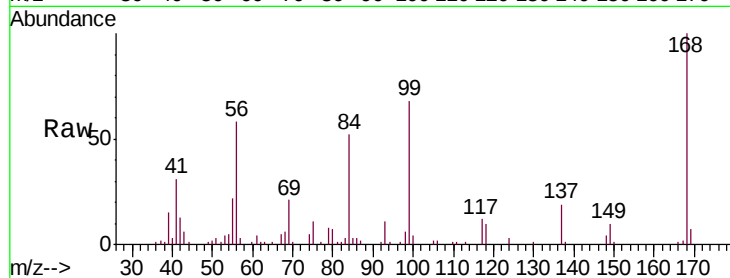
Tgt Ion: 56 Resp: 35344

Ion Ratio Lower Upper

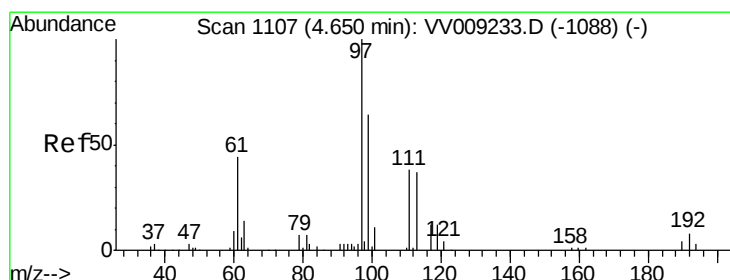
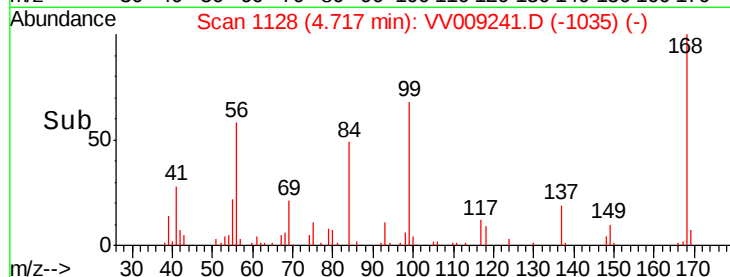
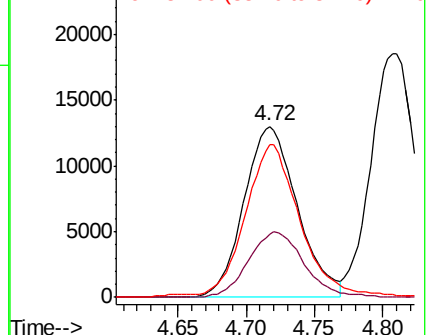
56 100

69 36.9 25.1 37.7

84 87.9 67.3 100.9



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: 19.434 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

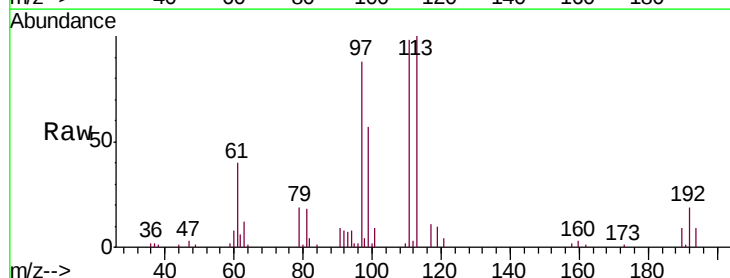
Tgt Ion: 97 Resp: 32361

Ion Ratio Lower Upper

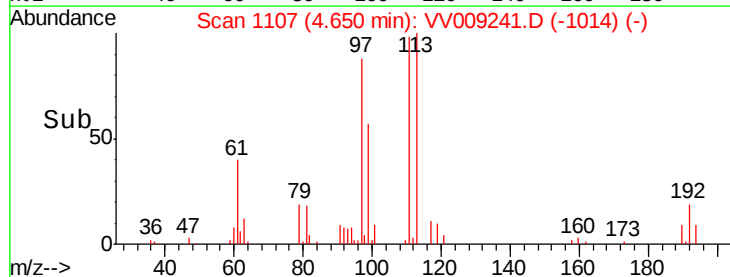
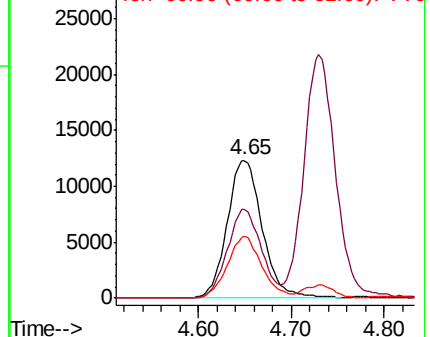
97 100

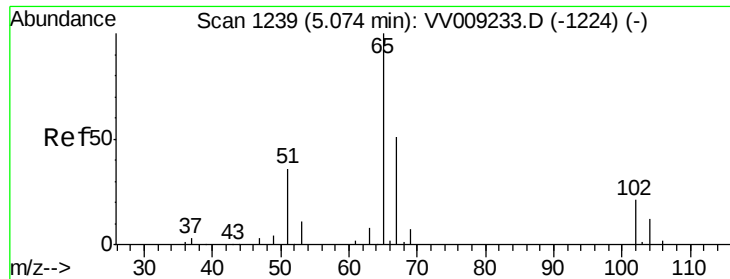
99 62.3 50.2 75.2

61 43.9 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

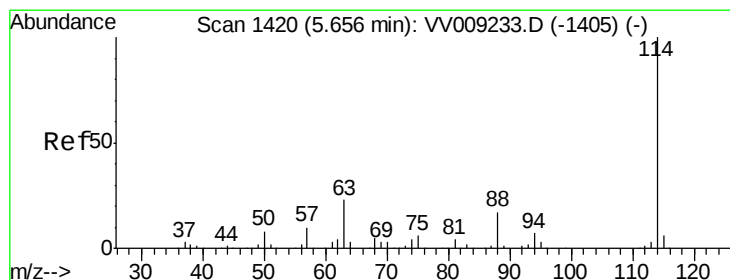
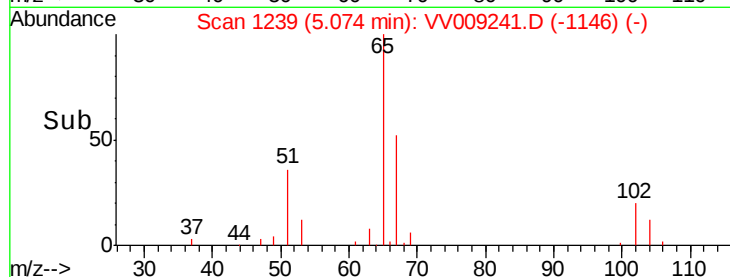
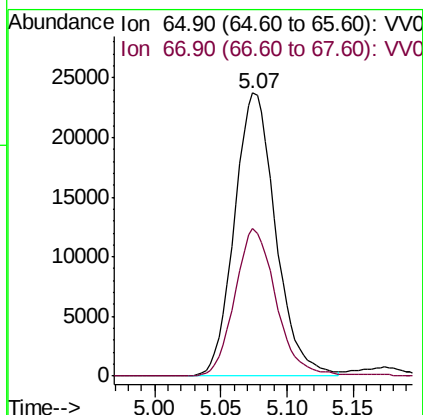
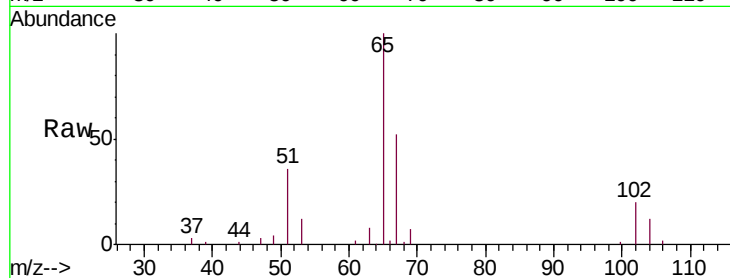




#33
 1,2-Dichloroethane-d4
 Concen: 51.848 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

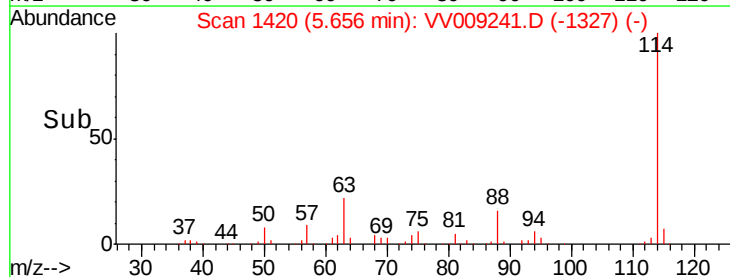
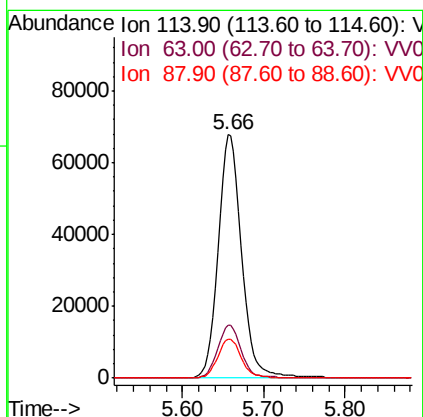
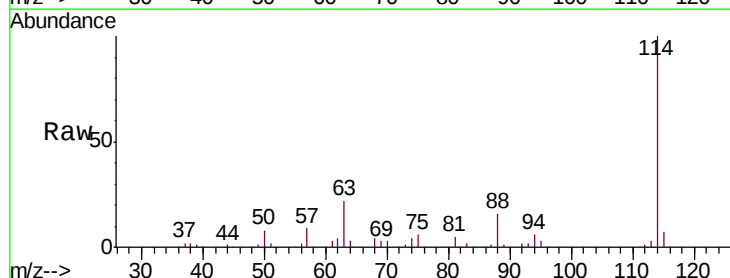
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBSD01

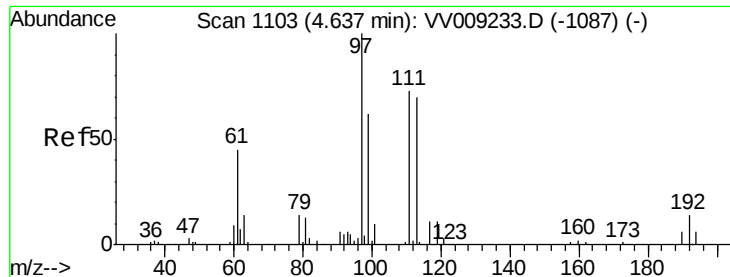
Tgt Ion: 65 Resp: 51431
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion: 114 Resp: 138250
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.2
 88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.026 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

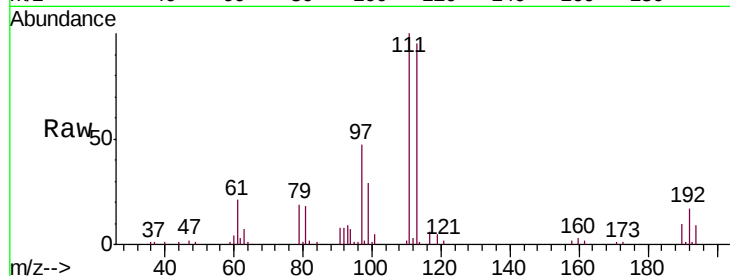
Tgt Ion:113 Resp: 45904

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

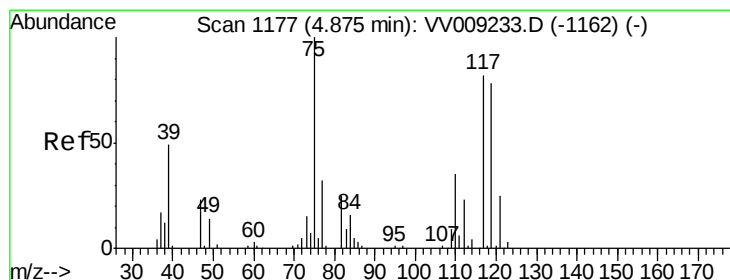
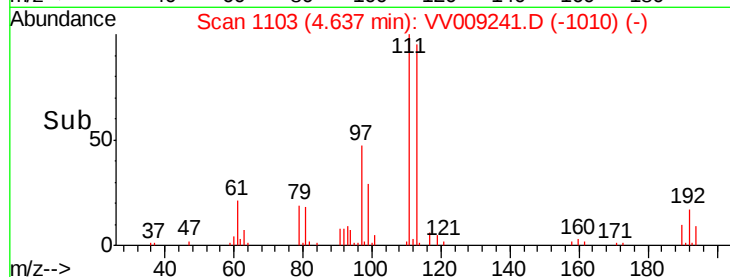
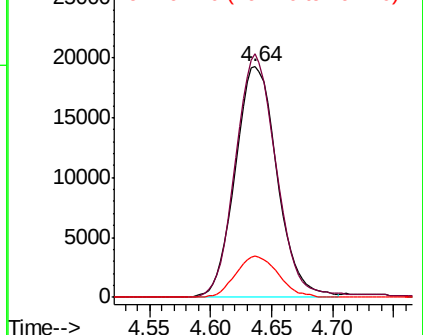
192 18.0 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.345 ug/l

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

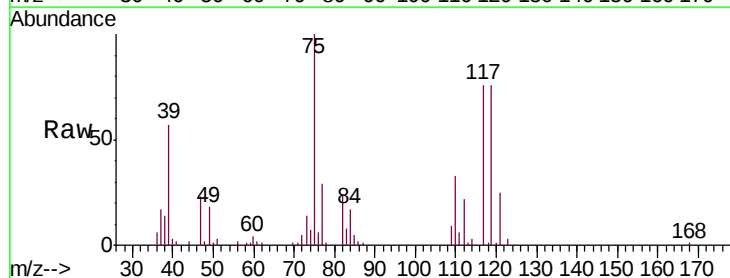
Tgt Ion: 75 Resp: 29693

Ion Ratio Lower Upper

75 100

110 33.9 17.5 52.5

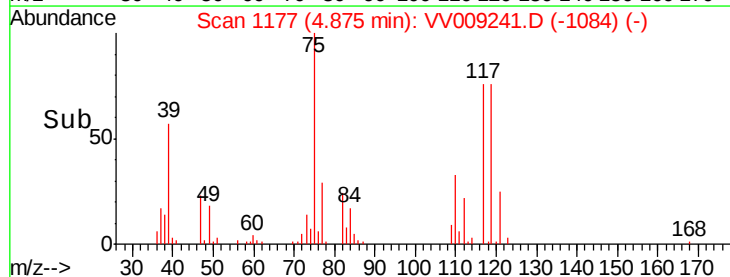
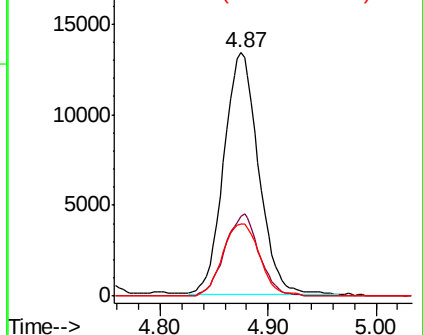
77 32.0 25.5 38.3

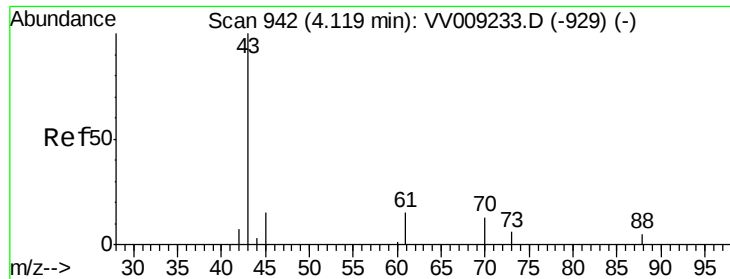


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0





#37

Ethyl Acetate

Concen: 24.082 ug/l

RT: 4.12 min Scan# 942

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBSD01

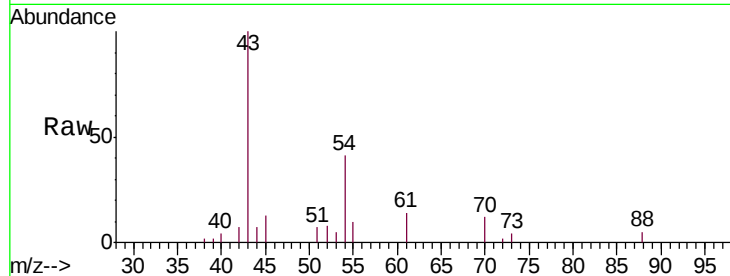
Tgt Ion: 43 Resp: 14206

Ion Ratio Lower Upper

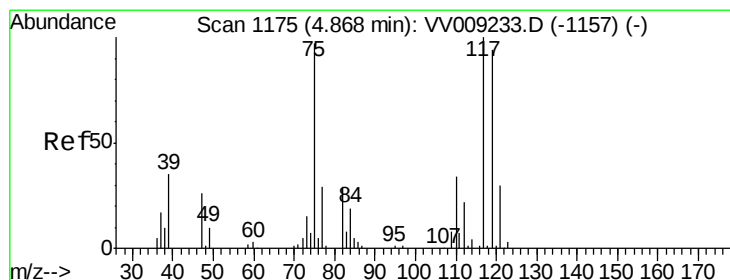
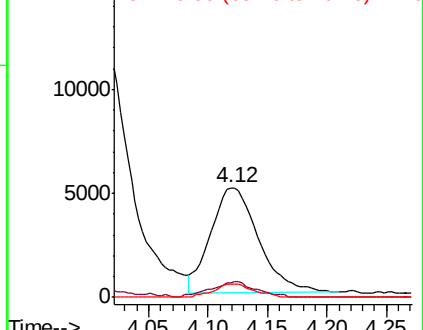
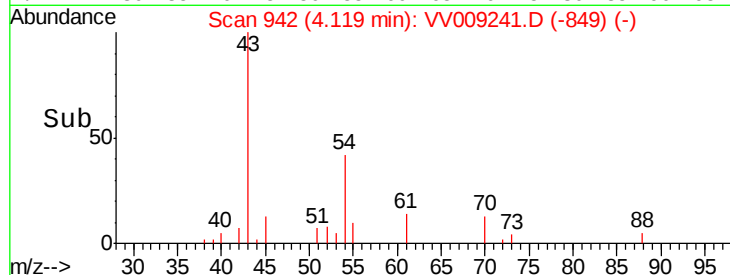
43 100

61 14.0 12.0 18.0

70 10.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VV009241.D (-849) (-)



#38

Carbon Tetrachloride

Concen: 18.742 ug/l

RT: 4.87 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

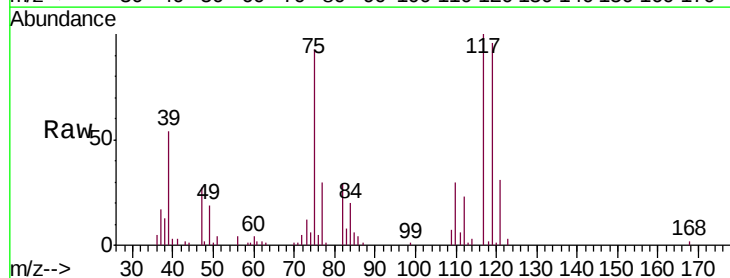
Tgt Ion: 117 Resp: 28801

Ion Ratio Lower Upper

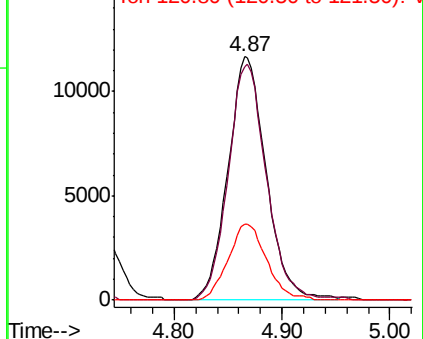
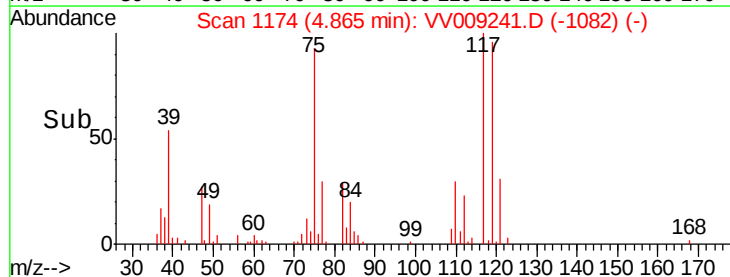
117 100

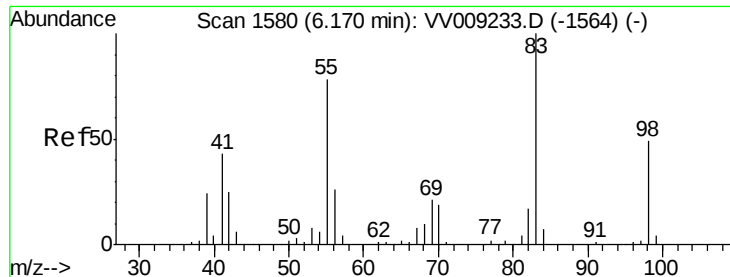
119 96.1 75.4 113.2

121 31.3 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): VV009241.D (-1082) (-)

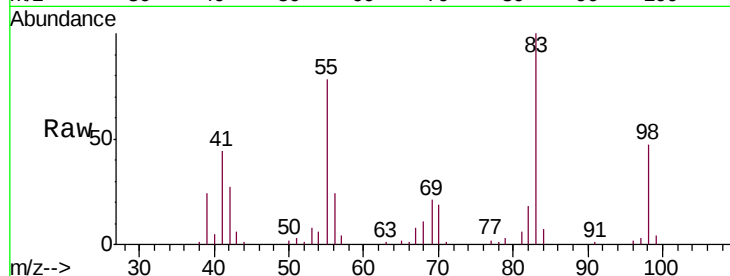




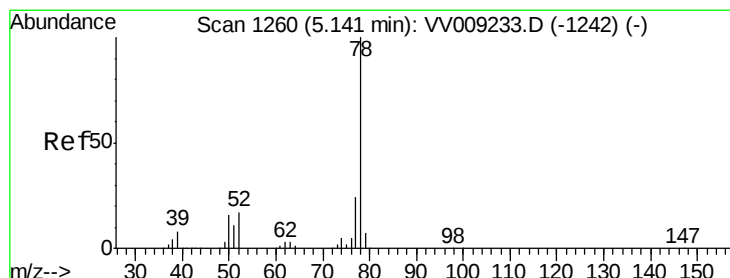
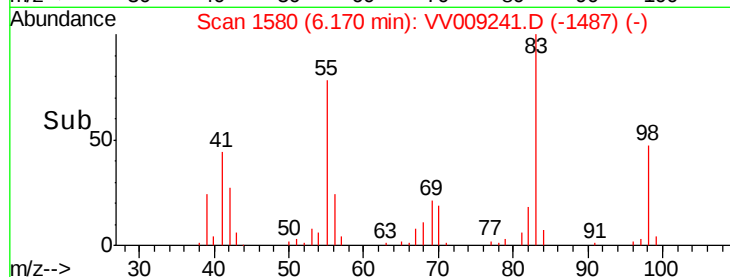
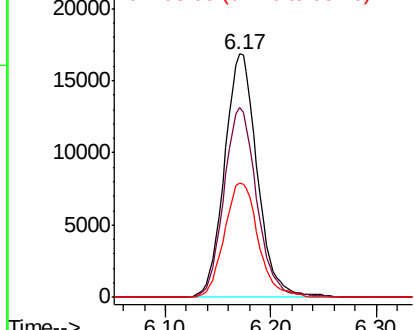
#39
Methylcyclohexane
Concen: 19.868 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tgt Ion: 83 Resp: 36113
Ion Ratio Lower Upper
83 100
55 77.8 62.8 94.2
98 46.8 39.1 58.7

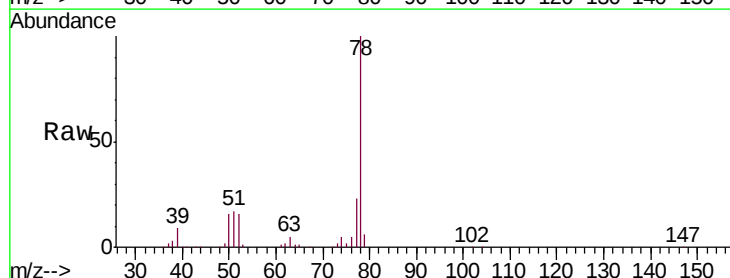


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

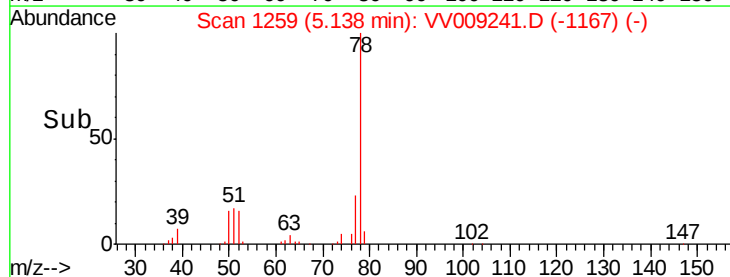
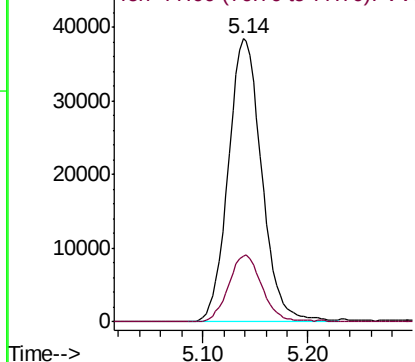


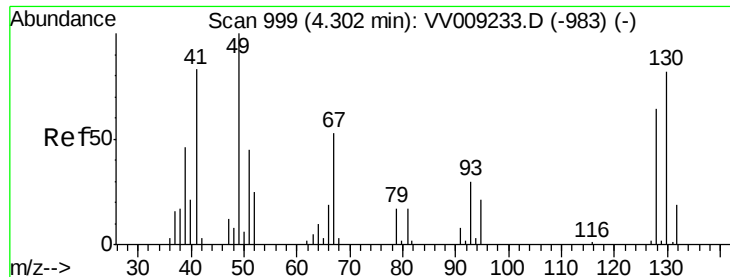
#40
Benzene
Concen: 19.716 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 78 Resp: 84640
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.2



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

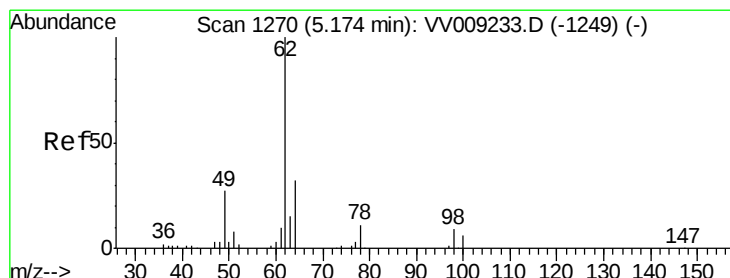
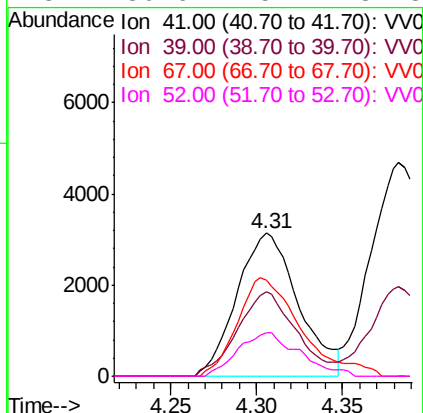
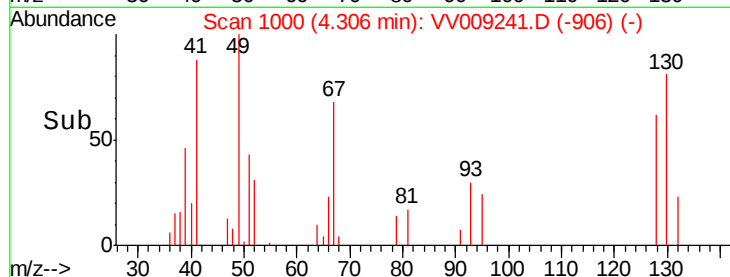
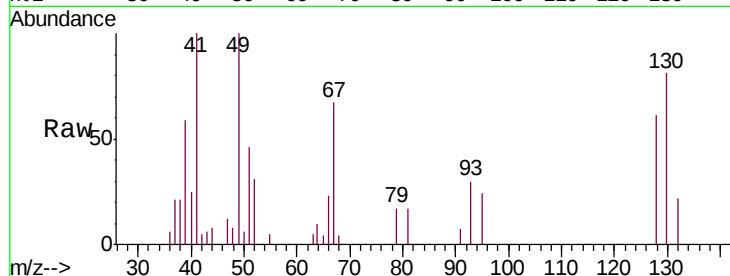




#41
Methacrylonitrile
Concen: 21.855 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

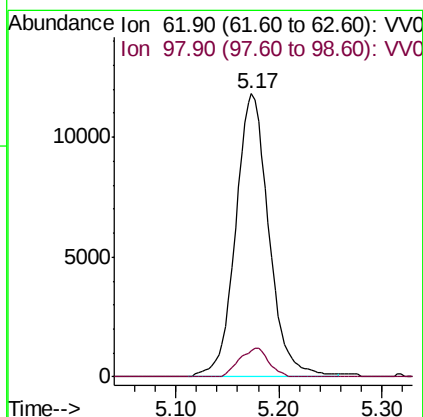
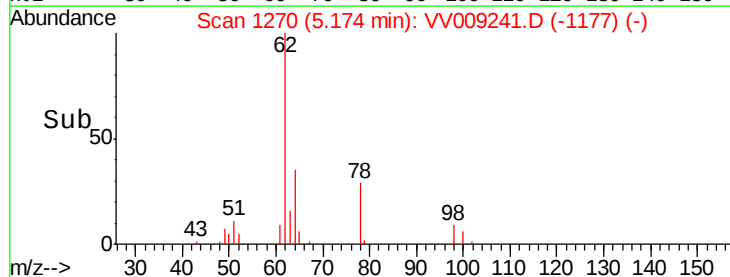
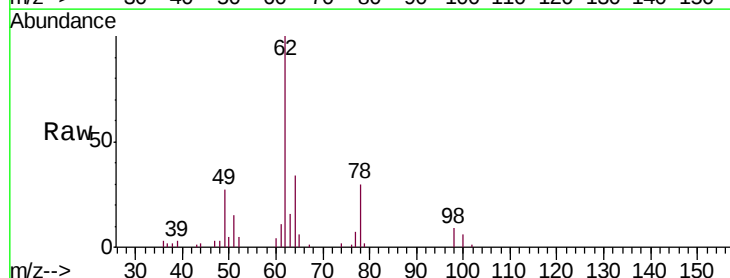
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

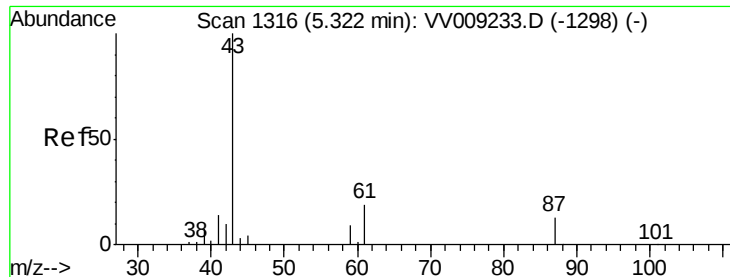
Tgt Ion:	41	Resp:	7770
Ion	Ratio	Lower	Upper
41	100		
39	56.1	45.4	68.0
67	70.7	55.5	83.3
52	30.6	25.2	37.8



#42
1,2-Dichloroethane
Concen: 19.736 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion:	62	Resp:	26518
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.4





#43

Isopropyl Acetate

Concen: 22.744 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

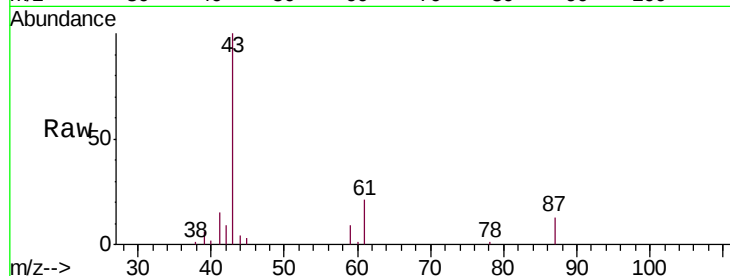
Tgt Ion: 43 Resp: 26390

Ion Ratio Lower Upper

43 100

61 18.8 15.4 23.0

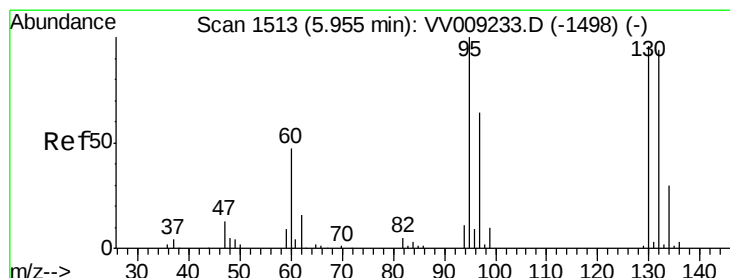
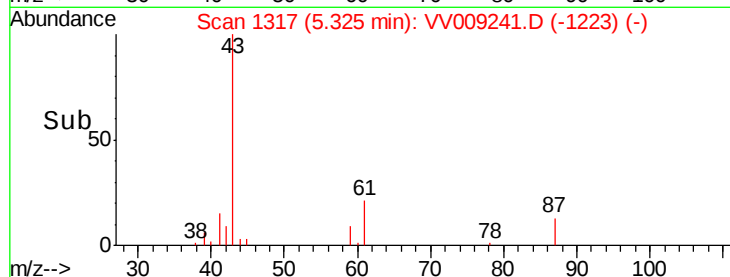
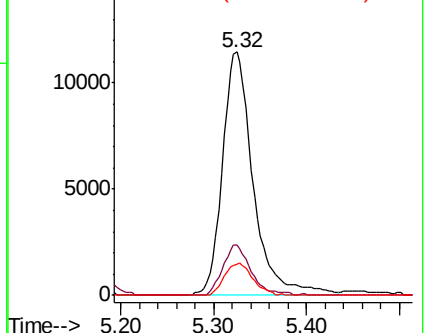
87 12.1 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-1298) (-)

Ion 61.00 (60.70 to 61.70): VV009233.D (-1298) (-)

Ion 87.00 (86.70 to 87.70): VV009233.D (-1298) (-)



#44

Trichloroethene

Concen: 19.242 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009241.D

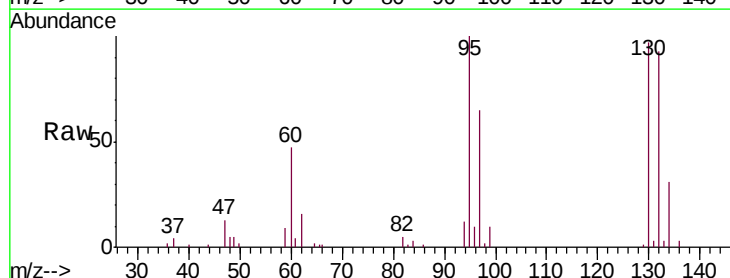
Acq: 22 Jan 2019 18:32

Tgt Ion: 130 Resp: 21738

Ion Ratio Lower Upper

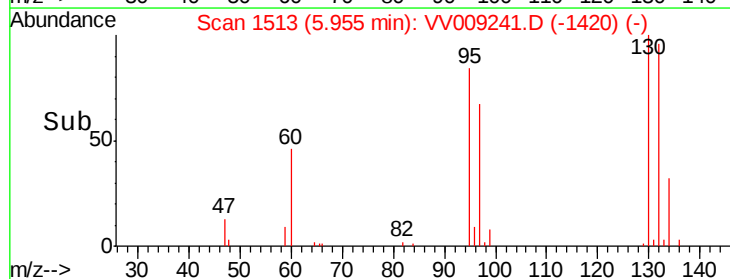
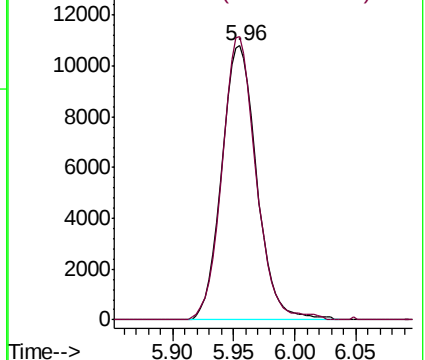
130 100

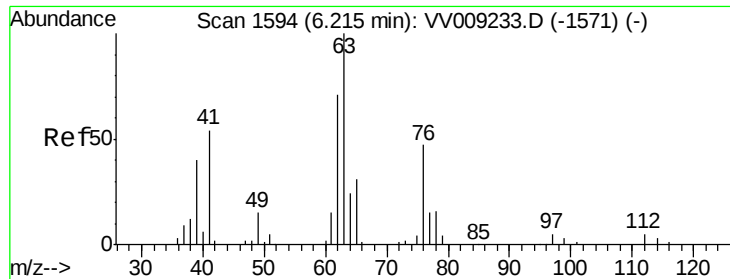
95 103.3 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): VV009233.D (-1498) (-)

Ion 94.90 (94.60 to 95.60): VV009233.D (-1498) (-)

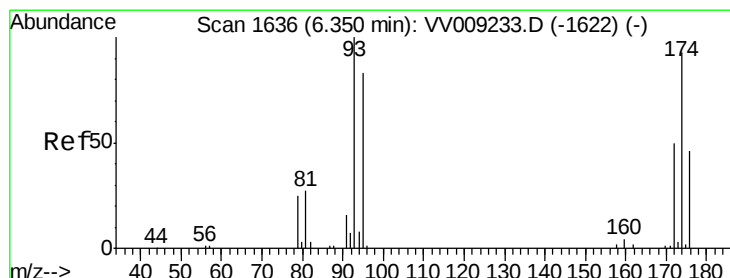
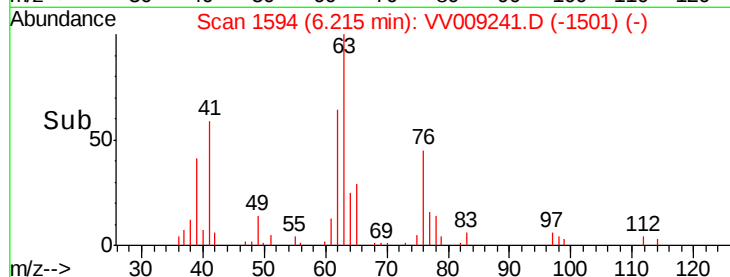
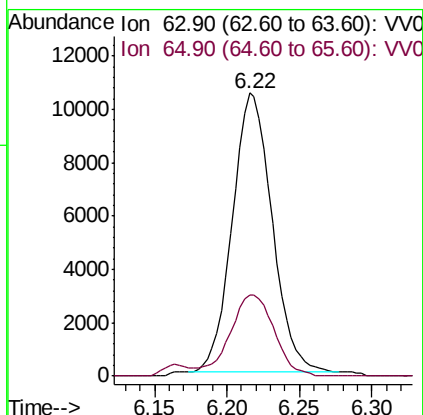
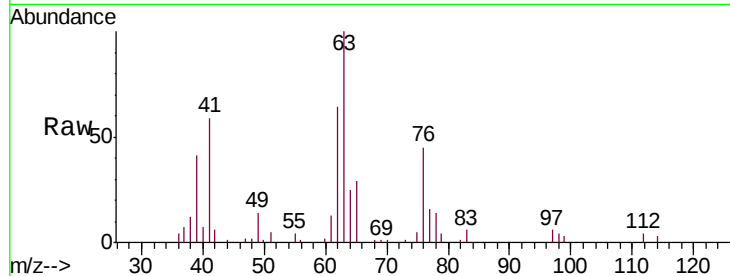




#45
 1,2-Dichloropropane
 Concen: 19.362 ug/l
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

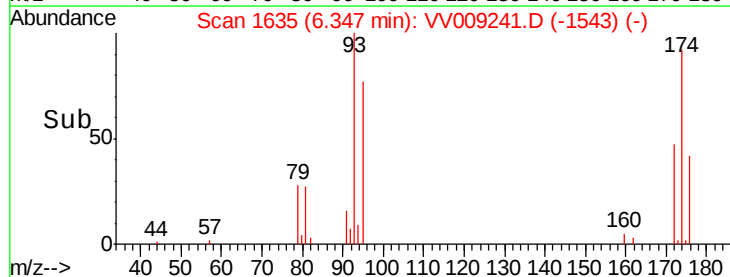
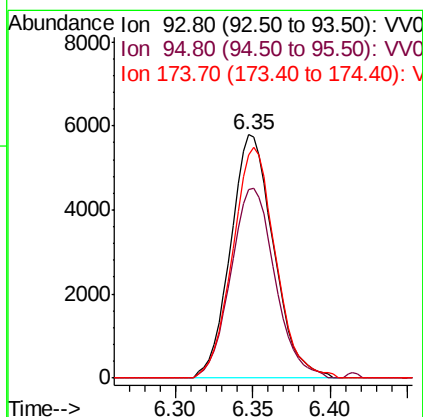
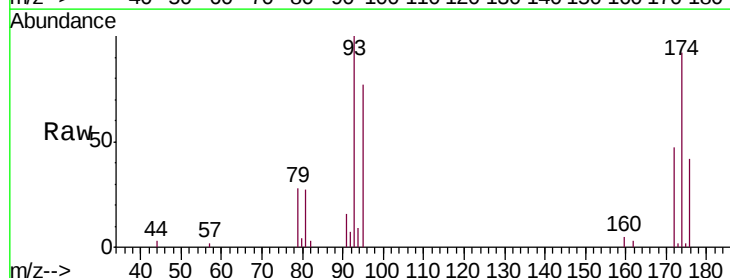
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

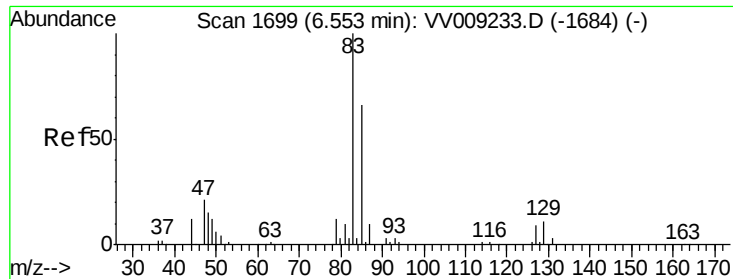
Tgt Ion: 63 Resp: 19994
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.1 37.7



#46
 Dibromomethane
 Concen: 21.124 ug/l
 RT: 6.35 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion: 93 Resp: 11193
 Ion Ratio Lower Upper
 93 100
 95 79.9 64.6 97.0
 174 94.5 74.0 111.0





#47

Bromodichloromethane

Concen: 19.270 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

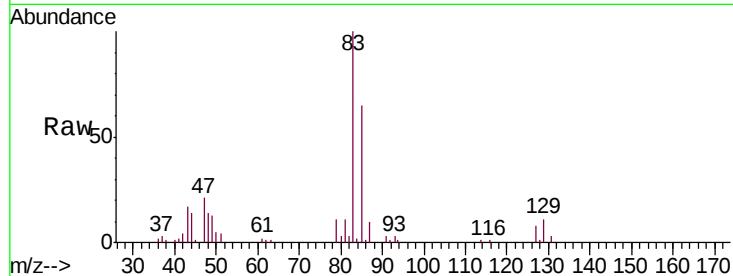
Tgt Ion: 83 Resp: 26982

Ion Ratio Lower Upper

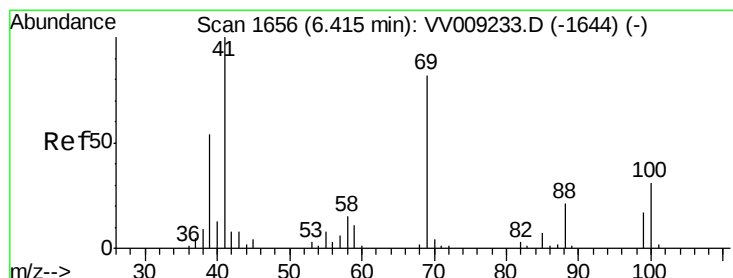
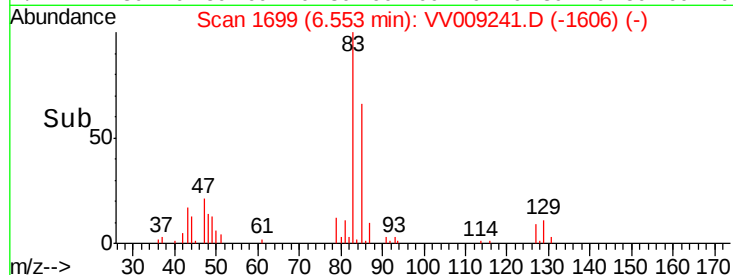
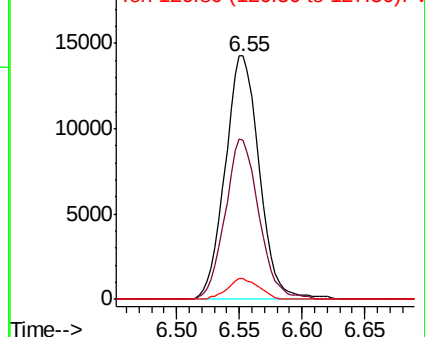
83 100

85 65.5 52.6 78.8

127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VV0
Ion 84.90 (84.60 to 85.60): VV0
Ion 126.80 (126.50 to 127.50): VV0



#48

Methyl methacrylate

Concen: 22.052 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

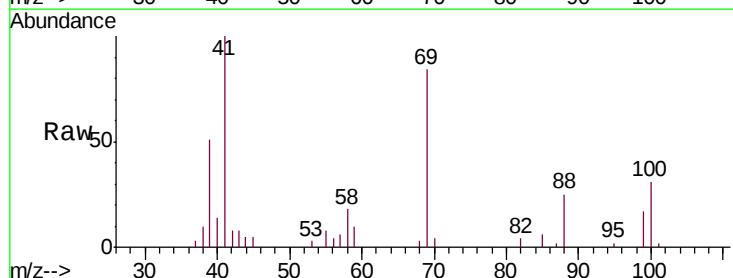
Tgt Ion: 41 Resp: 13057

Ion Ratio Lower Upper

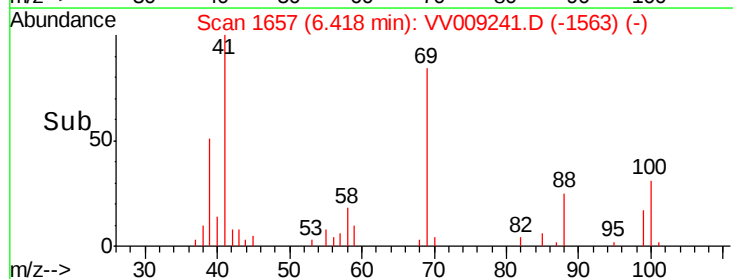
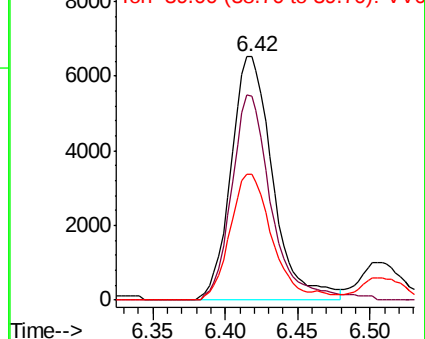
41 100

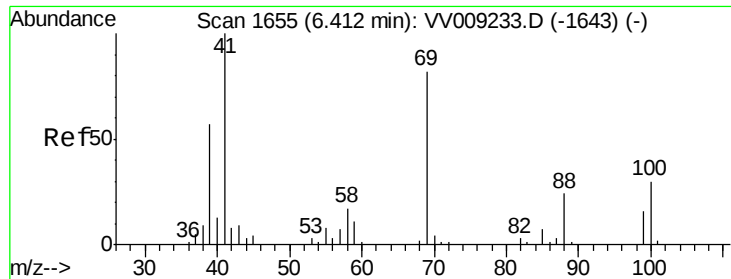
69 80.0 65.8 98.6

39 50.8 43.4 65.0



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

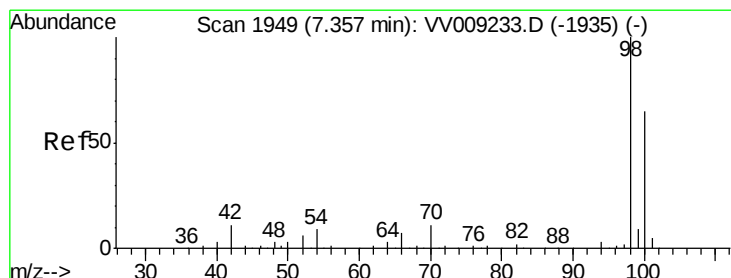
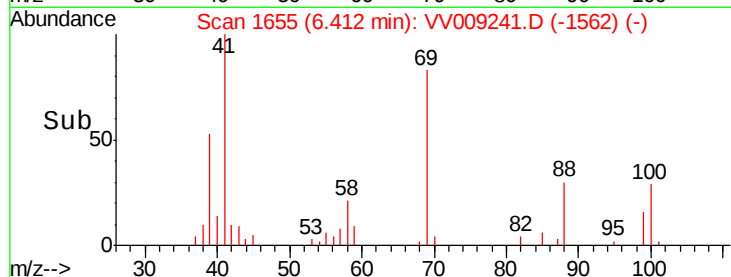
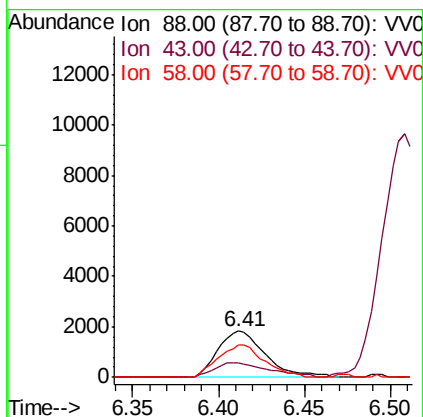
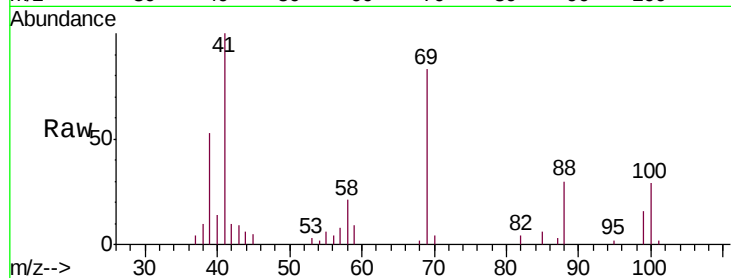




#49
1,4-Dioxane
Concen: 521.208 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

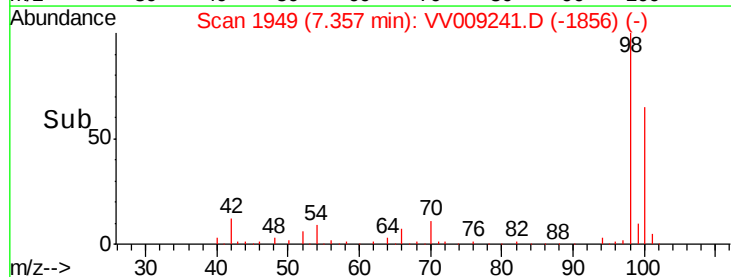
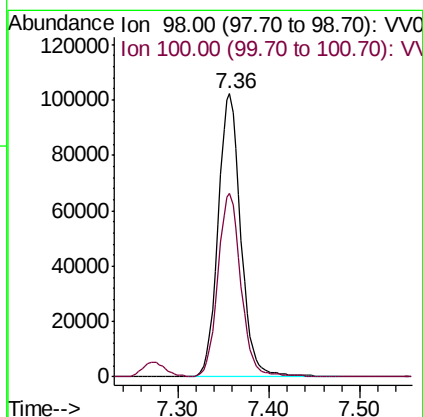
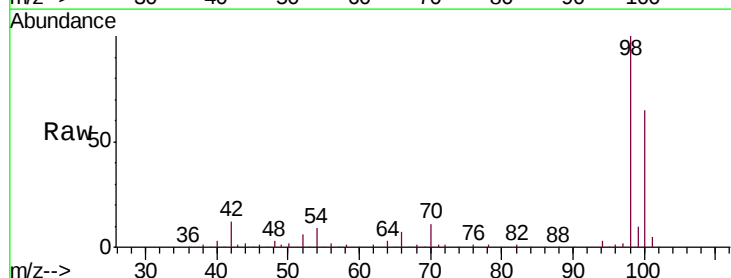
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

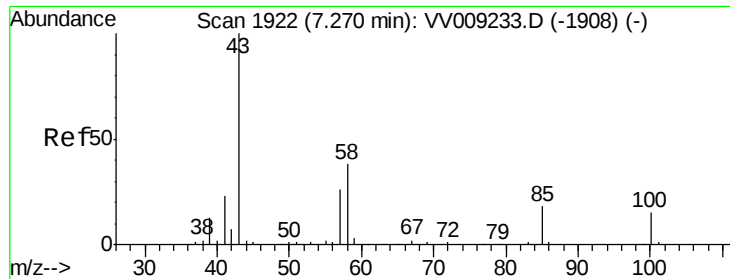
Tgt Ion: 88 Resp: 3518
Ion Ratio Lower Upper
88 100
43 36.9 31.9 47.9
58 68.5 62.0 93.0



#50
Toluene-d8
Concen: 50.750 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 98 Resp: 177693
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 110.002 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

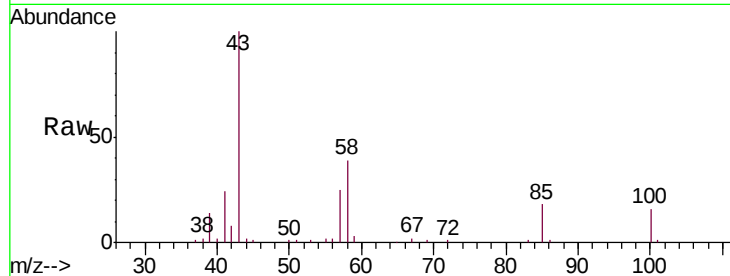
VV0122SBS01

Tgt Ion: 43 Resp: 64777

Ion Ratio Lower Upper

43 100

58 38.4 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

7.27

30000

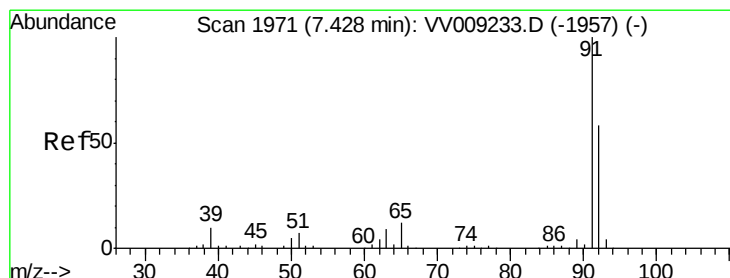
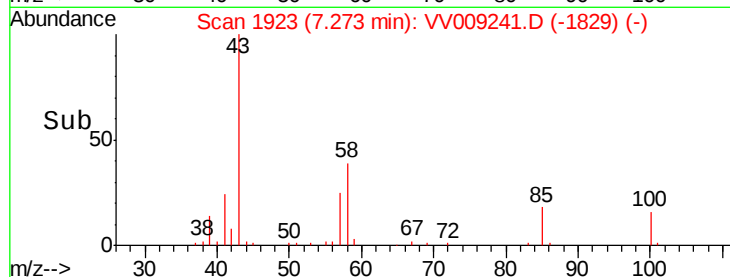
20000

10000

0

Time-->

7.20 7.25 7.30 7.35



#52

Toluene

Concen: 19.376 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009241.D

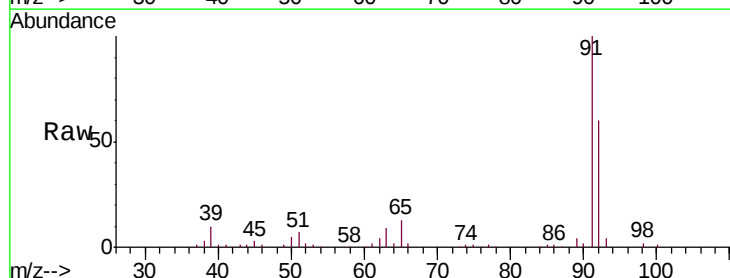
Acq: 22 Jan 2019 18:32

Tgt Ion: 92 Resp: 52620

Ion Ratio Lower Upper

92 100

91 170.3 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV0

Ion 91.00 (90.70 to 91.70): VV0

60000

50000

40000

30000

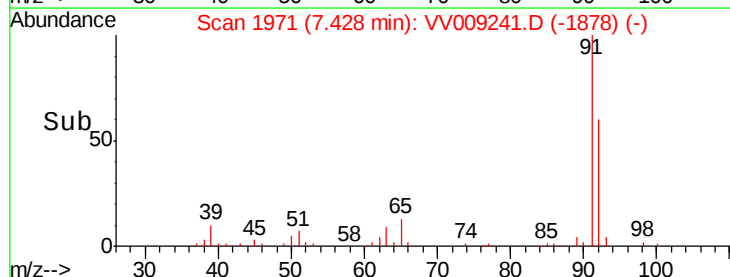
20000

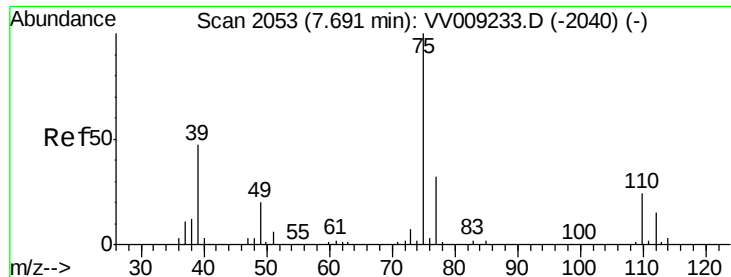
10000

0

Time-->

7.35 7.40 7.45 7.50

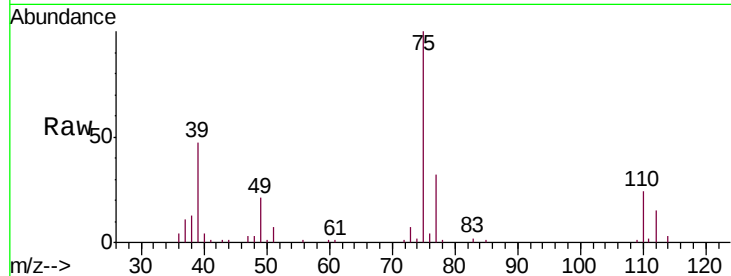




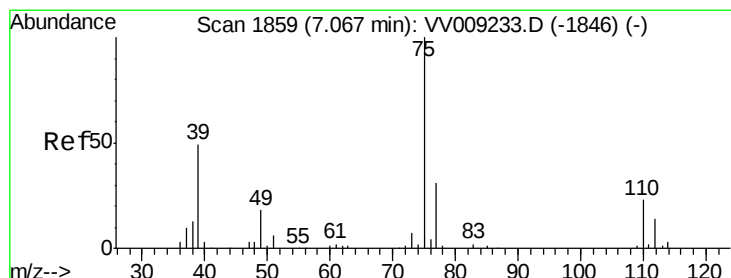
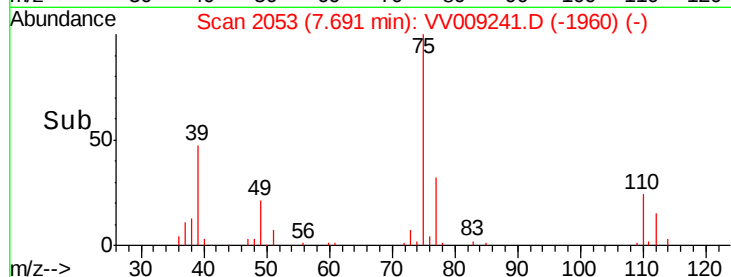
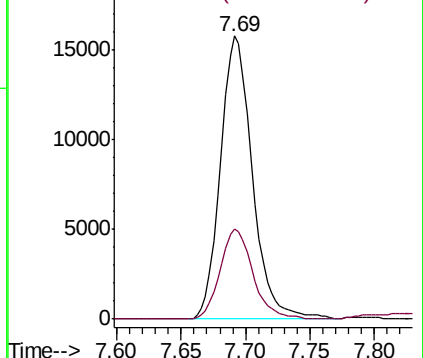
#53
t-1,3-Dichloropropene
Concen: 19.911 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tgt Ion: 75 Resp: 27135
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8

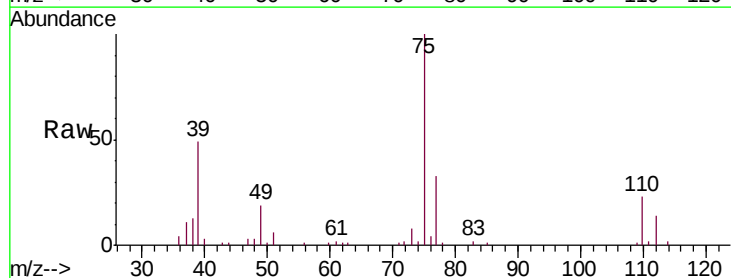


Abundance Ion 74.90 (74.60 to 75.60): VV0
Ion 76.90 (76.60 to 77.60): VV0

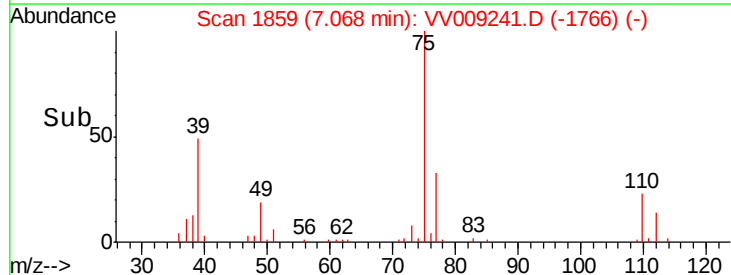
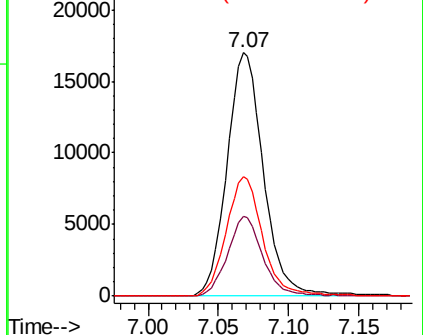


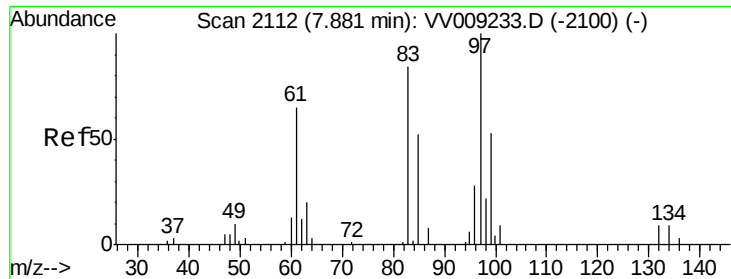
#54
cis-1,3-Dichloropropene
Concen: 19.561 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 75 Resp: 30696
Ion Ratio Lower Upper
75 100
77 32.6 25.1 37.7
39 49.3 38.8 58.2



Abundance Ion 74.90 (74.60 to 75.60): VV0
Ion 76.90 (76.60 to 77.60): VV0
Ion 39.00 (38.70 to 39.70): VV0

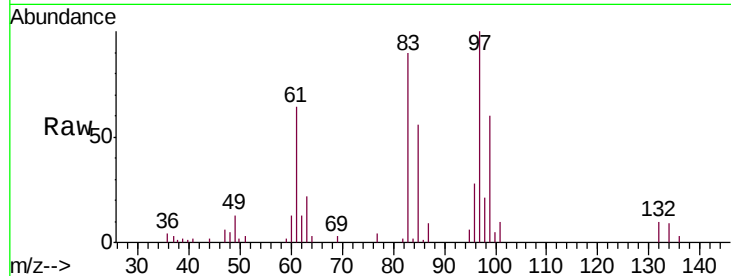




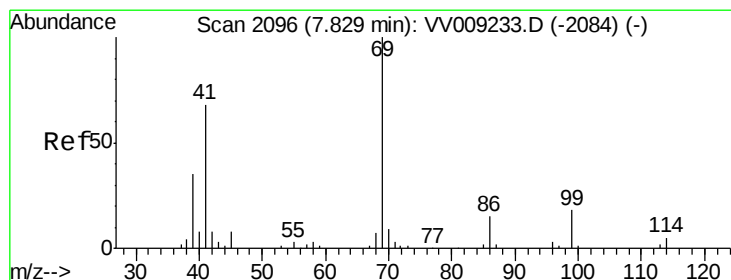
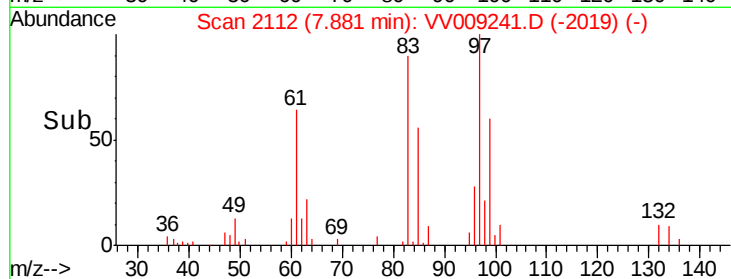
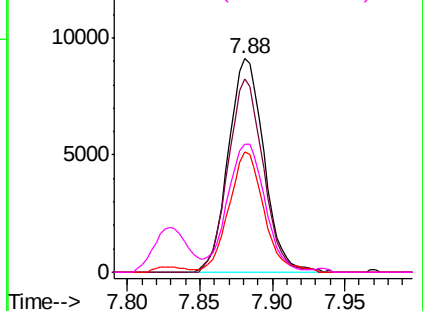
#55
 1,1,2-Trichloroethane
 Concen: 20.858 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBSD01

Tgt Ion:	97	Resp:	15572
Ion	Ratio	Lower	Upper
97	100		
83	90.5	67.4	101.0
85	56.1	42.6	64.0
99	60.0	51.1	76.7

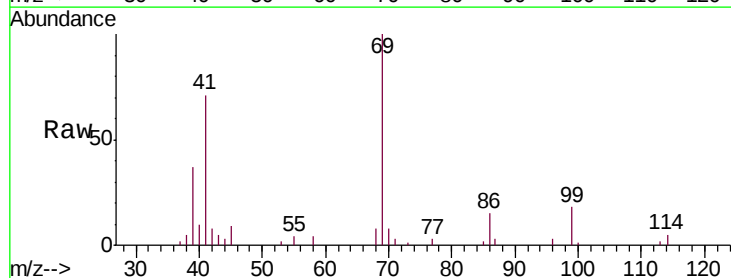


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

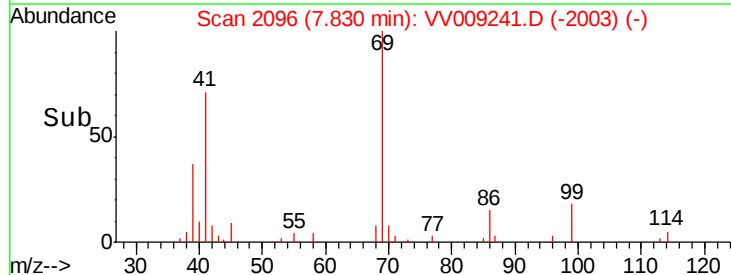
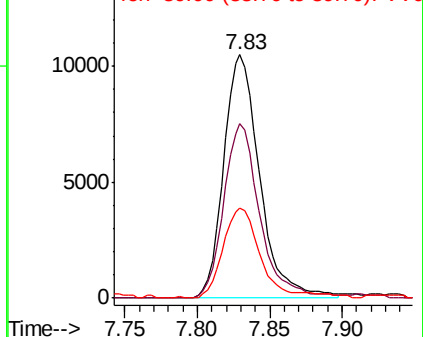


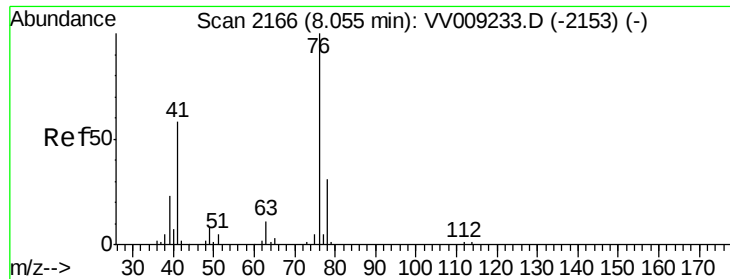
#56
 Ethyl methacrylate
 Concen: 20.799 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion:	69	Resp:	18091
Ion	Ratio	Lower	Upper
69	100		
41	71.8	54.0	81.0
39	39.0	26.8	40.2



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: 20.850 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

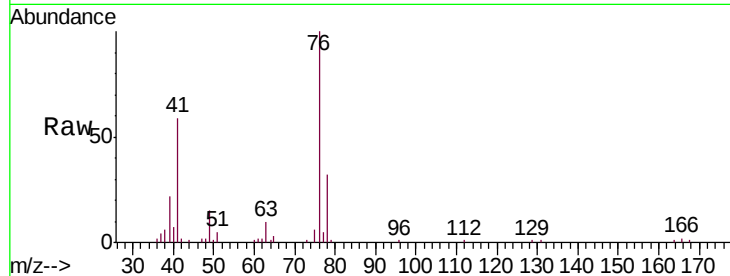
VV0122SBS01

Tgt Ion: 76 Resp: 28183

Ion Ratio Lower Upper

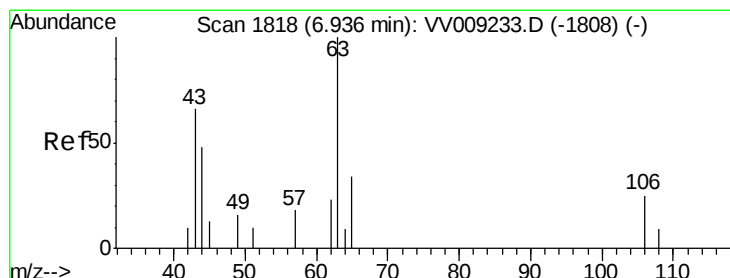
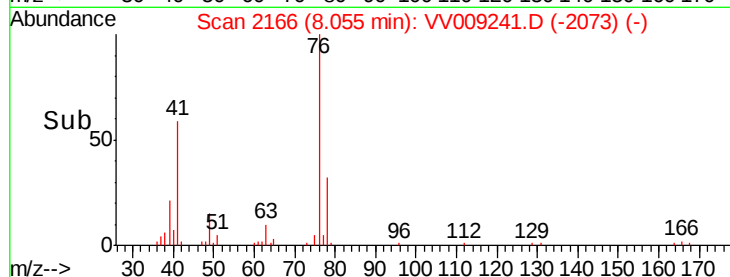
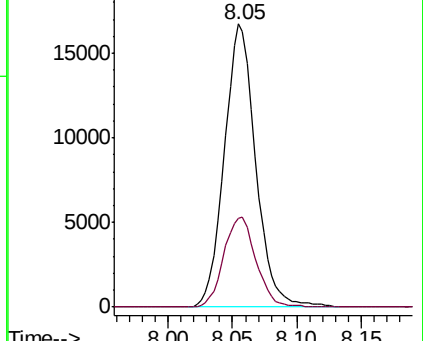
76 100

78 32.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0



#58

2-Chloroethyl Vinyl ether

Concen: 76.291 ug/l

RT: 6.94 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VV009241.D

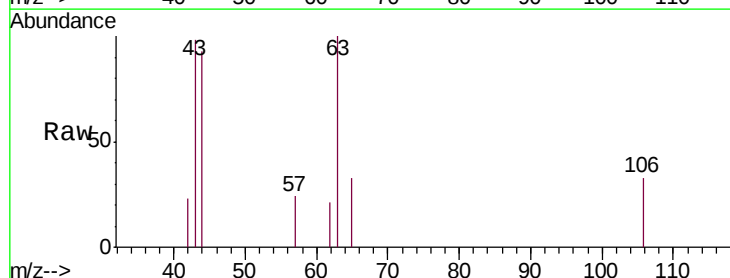
Acq: 22 Jan 2019 18:32

Tgt Ion: 63 Resp: 1037

Ion Ratio Lower Upper

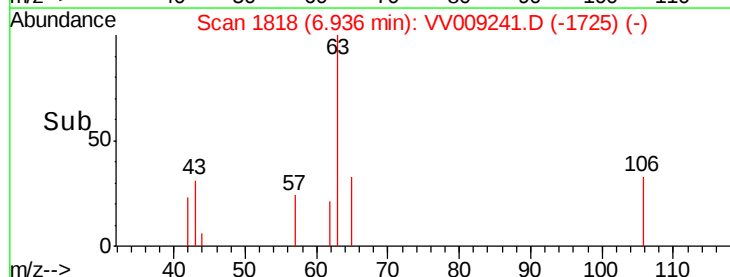
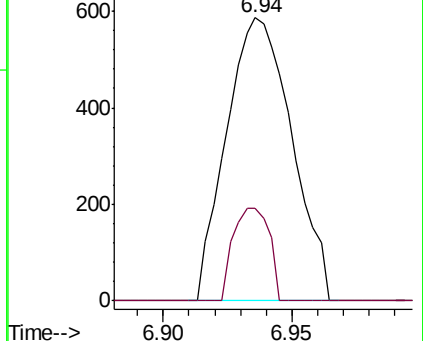
63 100

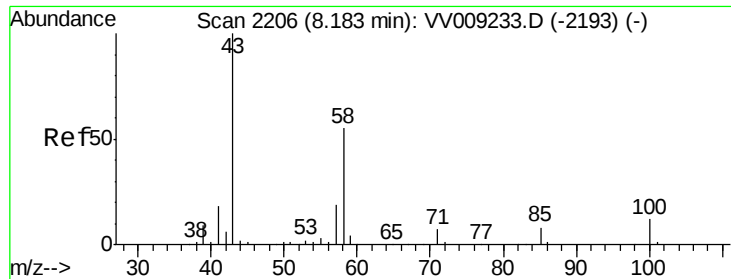
106 18.0 19.0 28.6#



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 105.90 (105.60 to 106.60): V

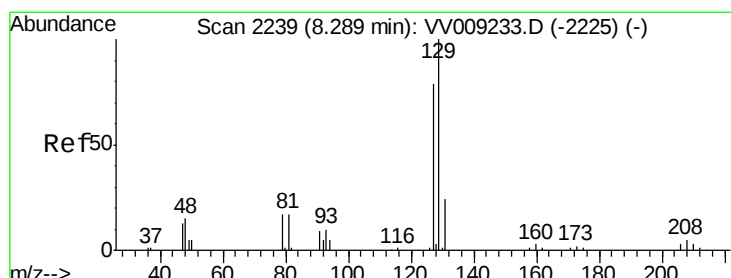
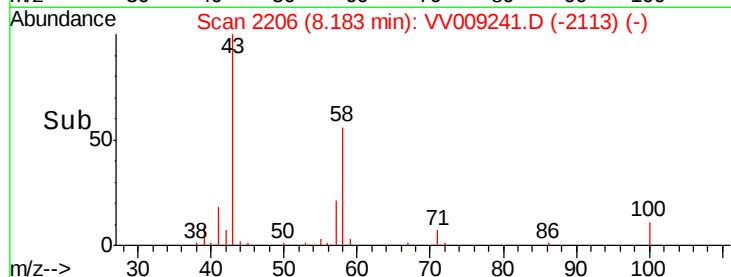
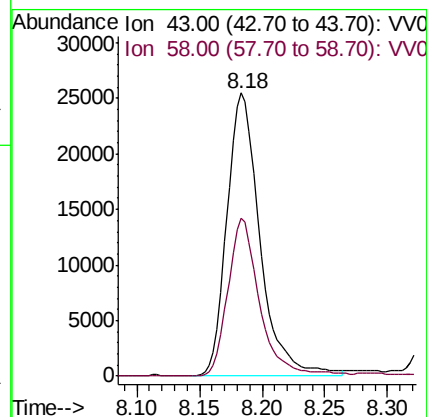
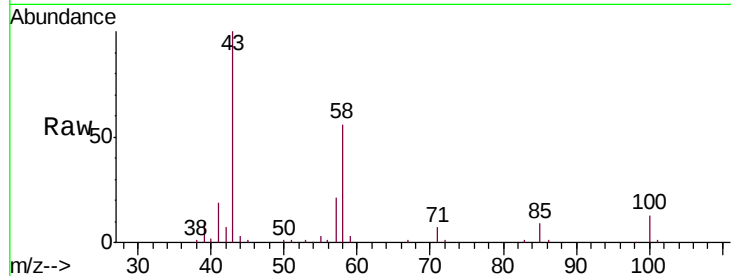




#59
2-Hexanone
Concen: 109.908 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

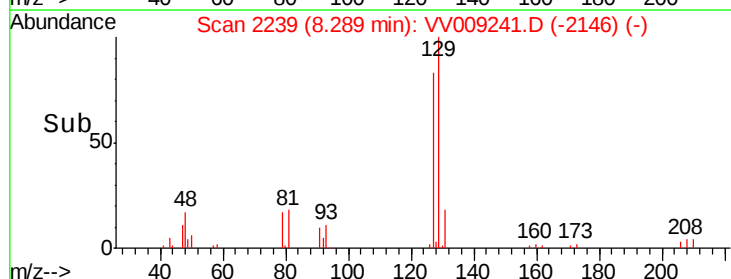
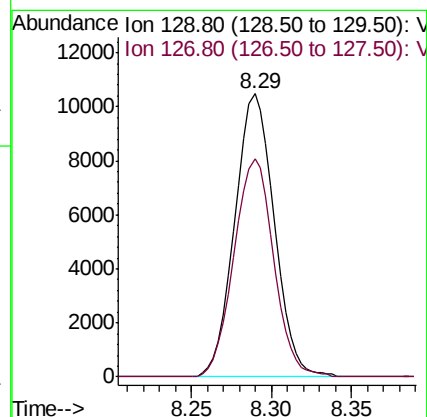
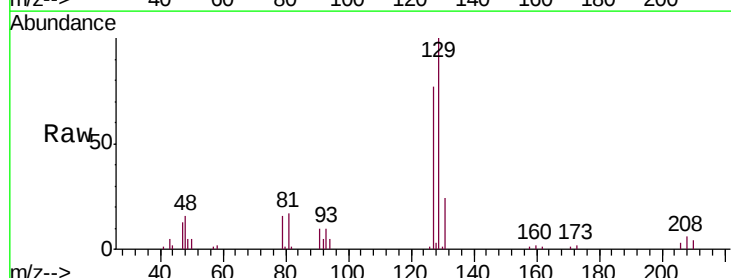
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBSD01

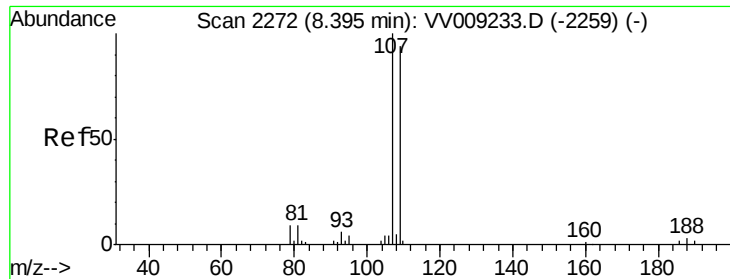
Tgt Ion: 43 Resp: 46812
Ion Ratio Lower Upper
43 100
58 52.3 27.5 82.5



#60
Dibromochloromethane
Concen: 20.173 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 129 Resp: 17634
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.095 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

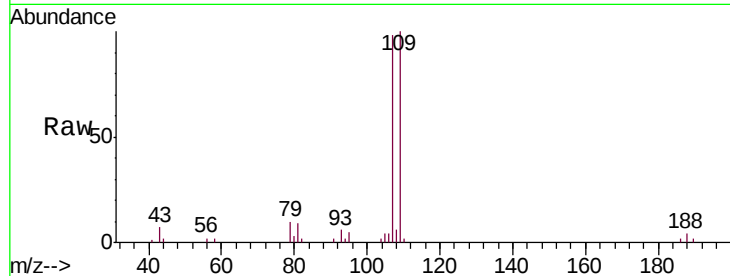
VV0122SBS01

Tgt Ion: 107 Resp: 15401

Ion Ratio Lower Upper

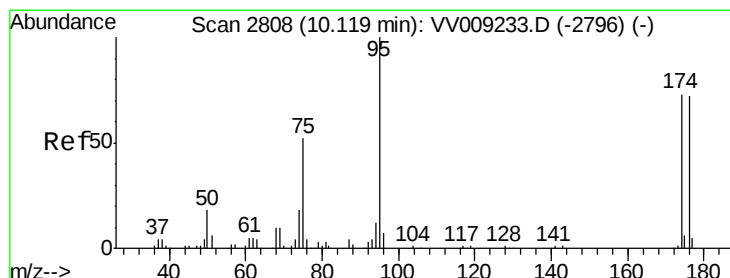
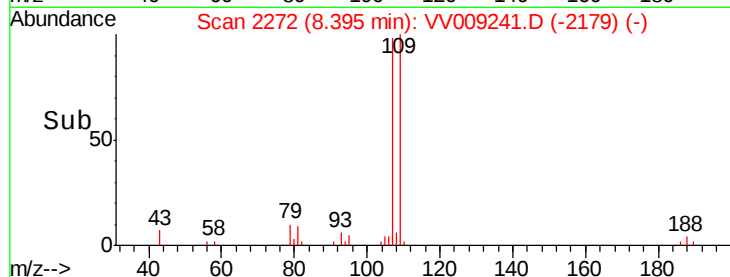
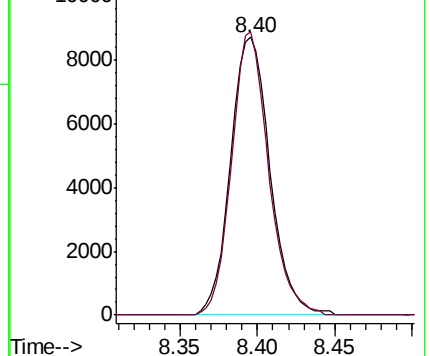
107 100

109 95.4 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.736 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

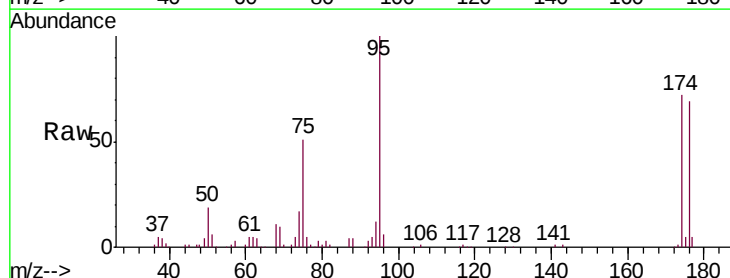
Tgt Ion: 95 Resp: 66939

Ion Ratio Lower Upper

95 100

174 72.7 0.0 148.2

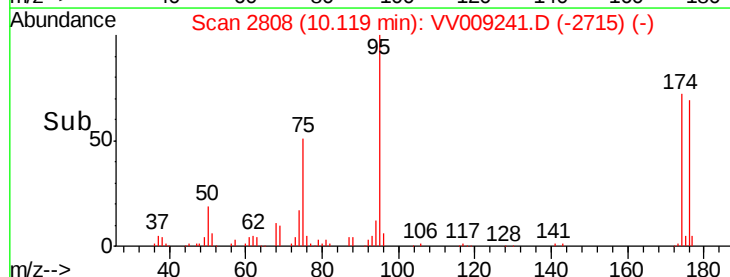
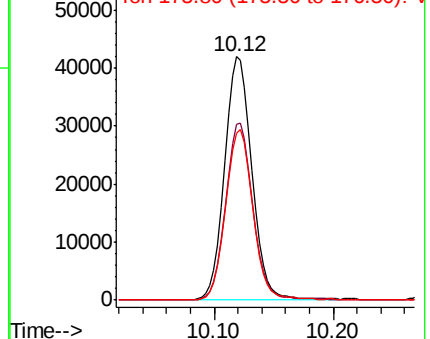
176 69.8 0.0 143.0

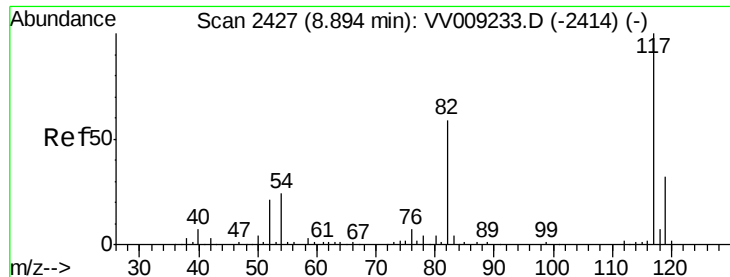


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

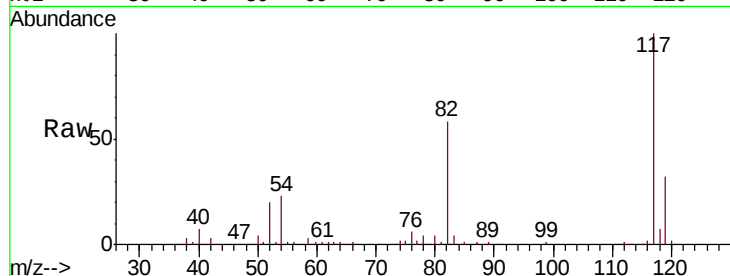




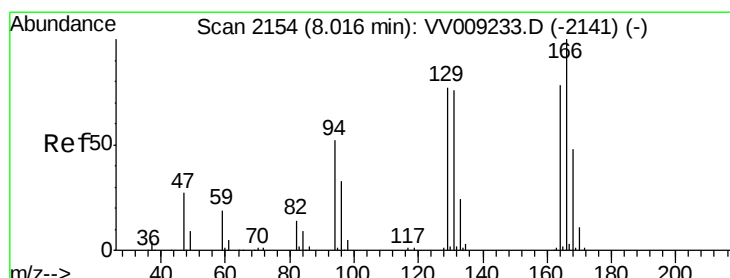
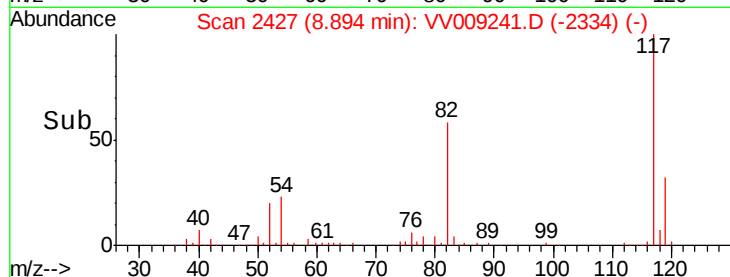
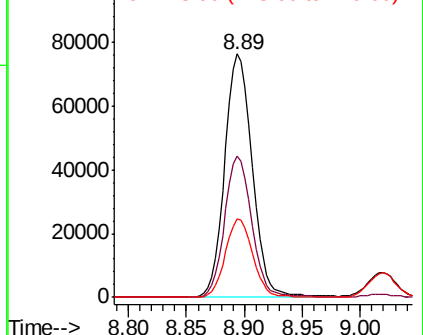
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tgt Ion:117 Resp: 126291
Ion Ratio Lower Upper
117 100
82 57.8 47.0 70.6
119 32.0 25.4 38.2

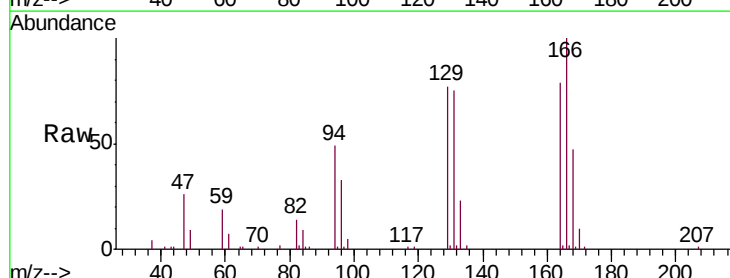


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV0
Ion 118.90 (118.60 to 119.60): V

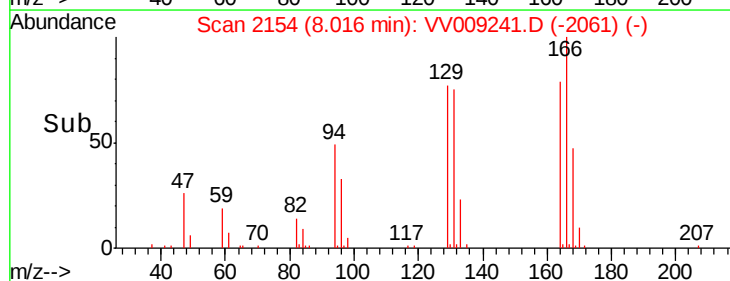
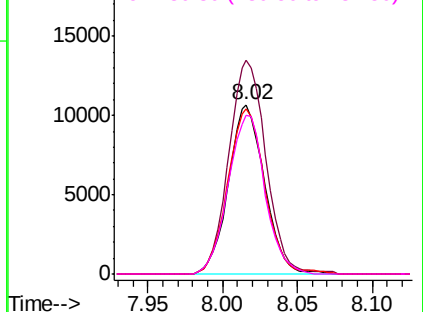


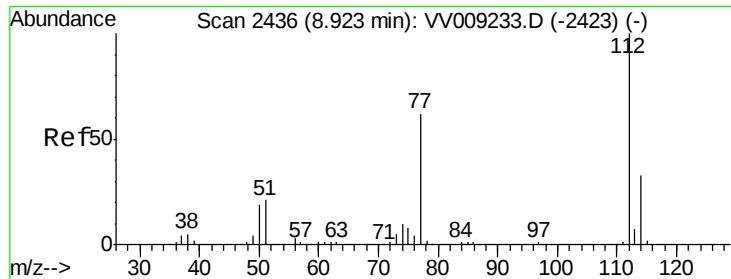
#64
Tetrachloroethene
Concen: 19.855 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion:164 Resp: 17844
Ion Ratio Lower Upper
164 100
166 126.4 102.1 153.1
129 97.4 78.1 117.1
131 94.2 78.0 117.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

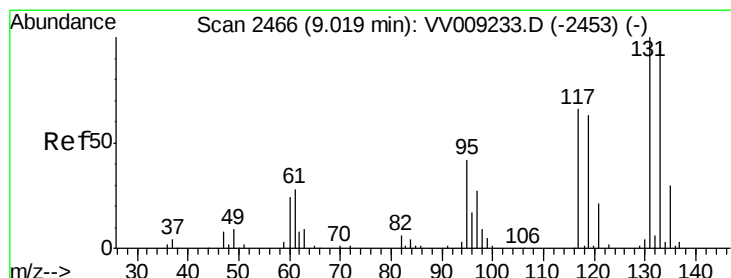
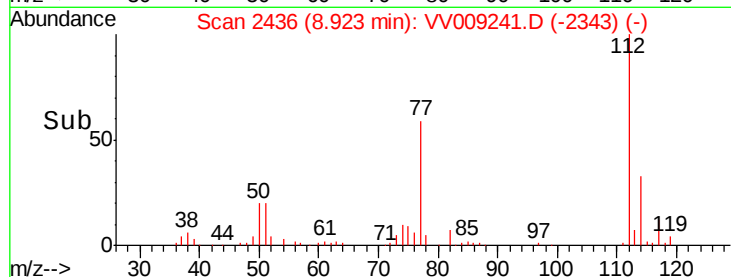
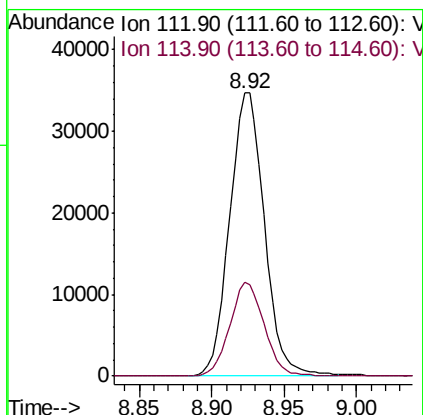
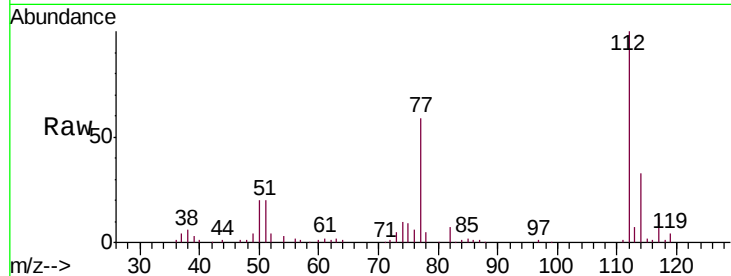




#65
Chlorobenzene
Concen: 19.679 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

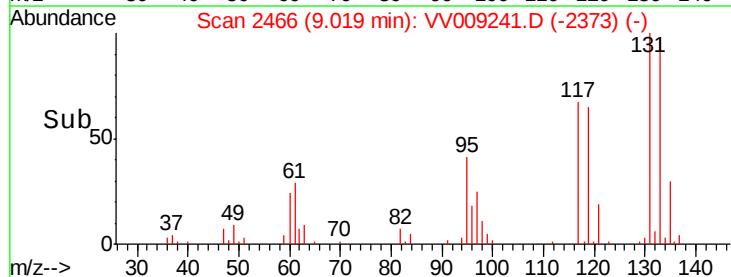
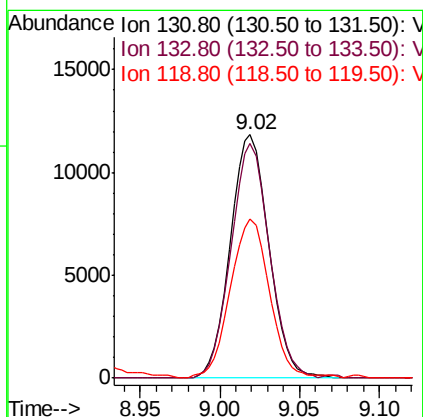
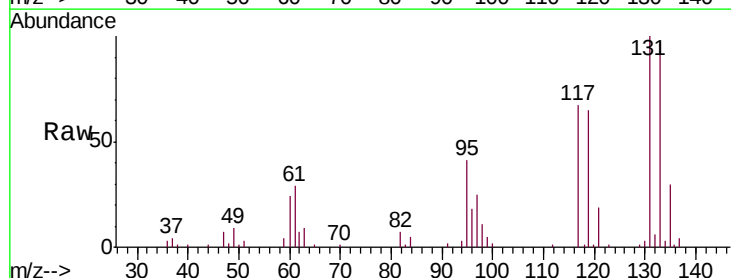
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

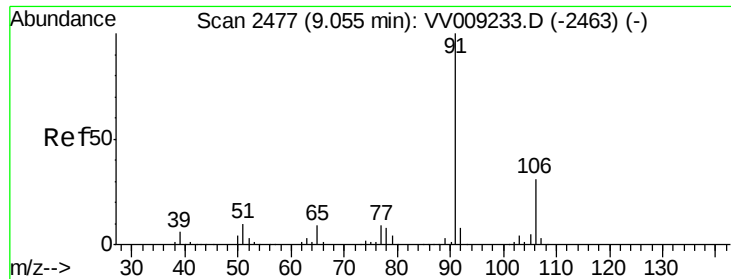
Tgt Ion:112 Resp: 57818
Ion Ratio Lower Upper
112 100
114 33.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.399 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion:131 Resp: 19479
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.9
119 66.1 31.2 93.6





#67

Ethyl Benzene

Concen: 19.368 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

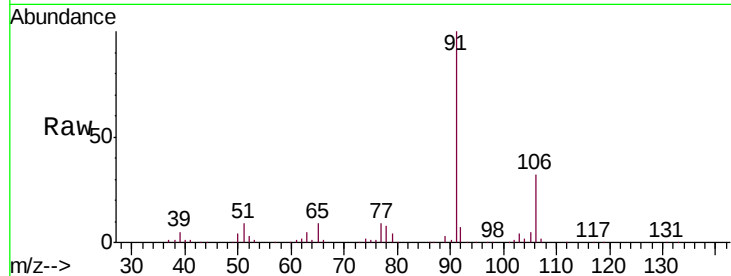
VV0122SBS01

Tgt Ion: 91 Resp: 101375

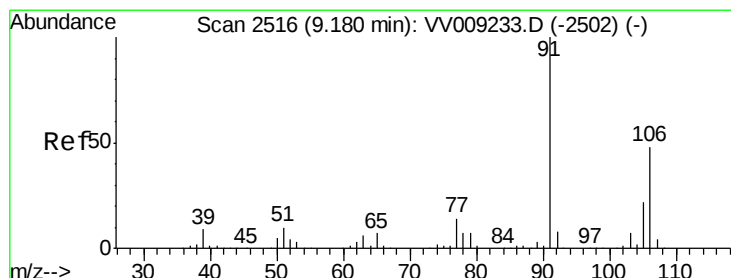
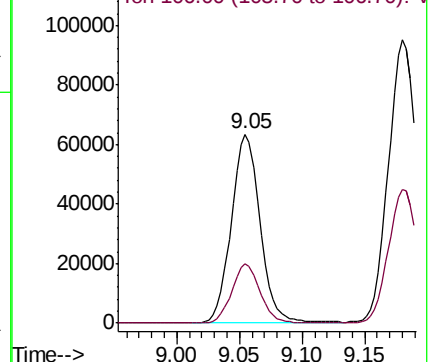
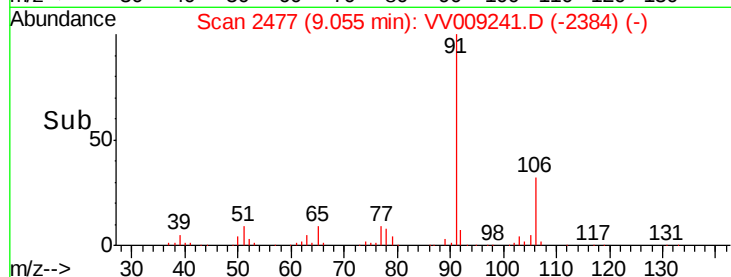
Ion Ratio Lower Upper

91 100

106 31.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV009241.D (-2384) (-)



#68

m/p-Xylenes

Concen: 38.791 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009241.D

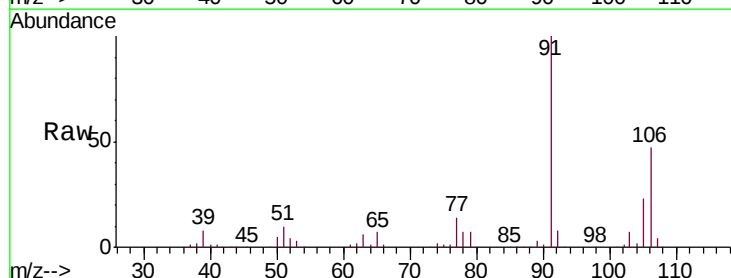
Acq: 22 Jan 2019 18:32

Tgt Ion: 106 Resp: 77083

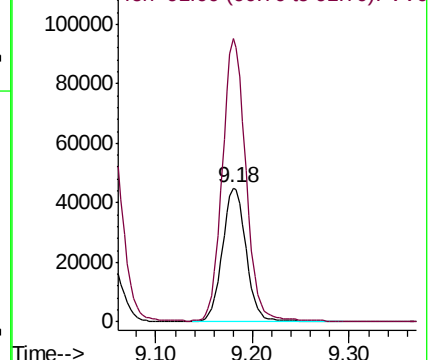
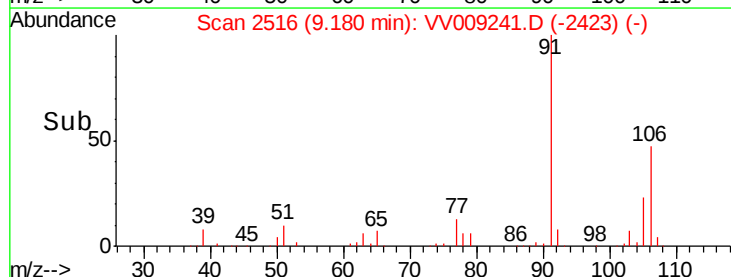
Ion Ratio Lower Upper

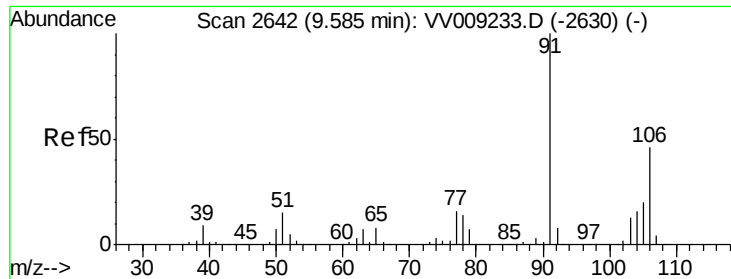
106 100

91 207.5 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VV009241.D (-2423) (-)

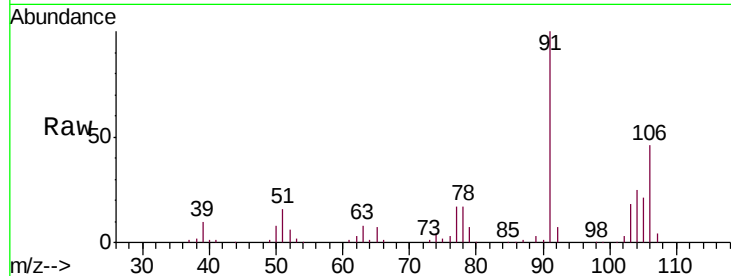




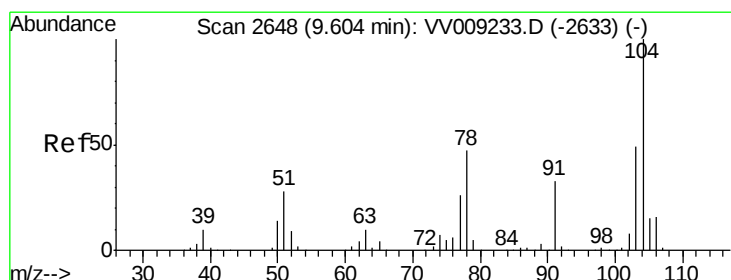
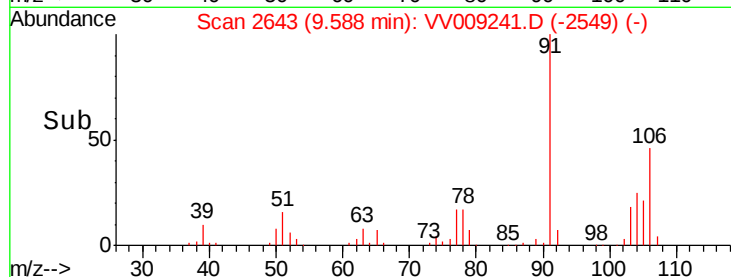
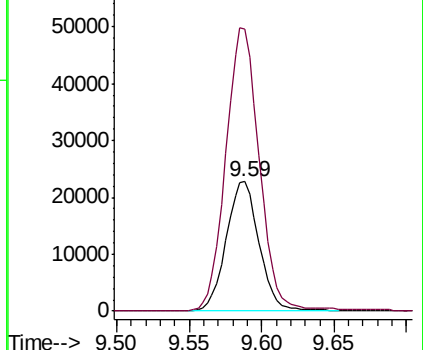
#69
o-Xylene
Concen: 19.446 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tgt Ion:106 Resp: 35826
Ion Ratio Lower Upper
106 100
91 223.3 109.3 327.8

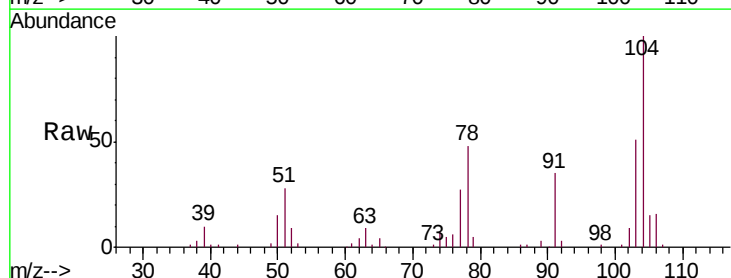


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

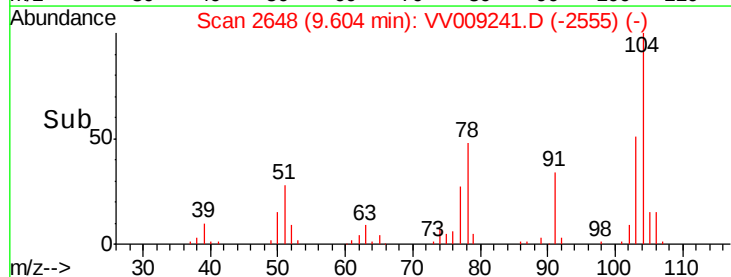
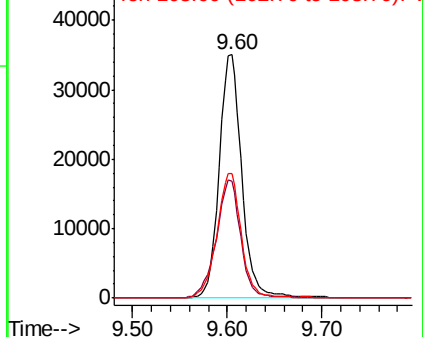


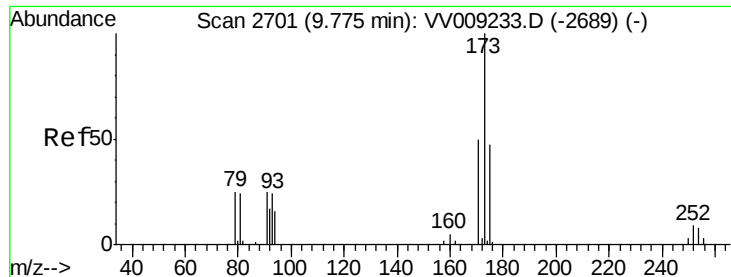
#70
Styrene
Concen: 19.806 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion:104 Resp: 58234
Ion Ratio Lower Upper
104 100
78 52.6 43.1 64.7
103 55.1 43.8 65.8



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: 20.599 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

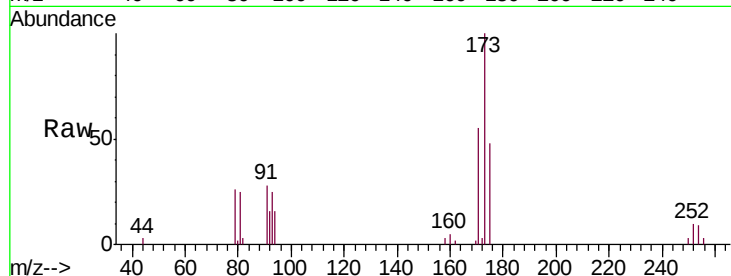
Tgt Ion:173 Resp: 9754

Ion Ratio Lower Upper

173 100

175 47.8 23.4 70.0

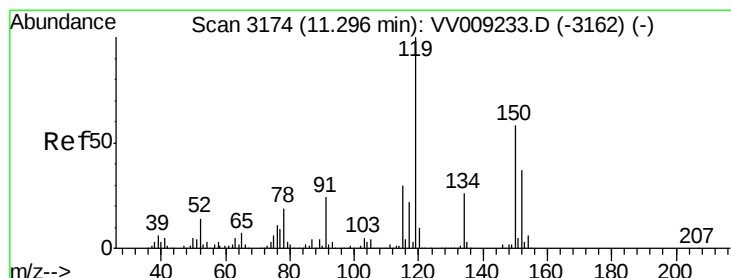
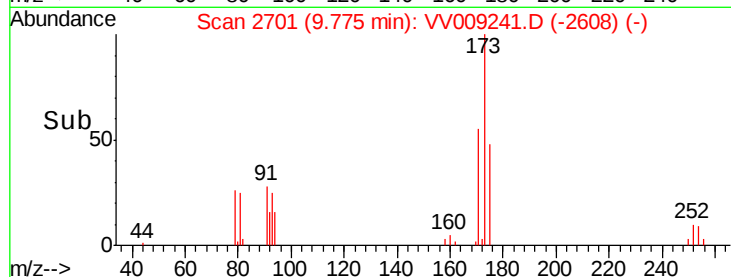
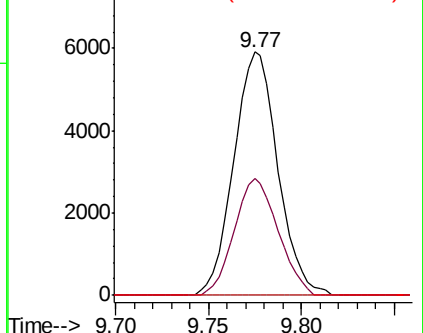
254 0.0 0.0 0.0



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: VV009241.D

Acq: 22 Jan 2019 18:32

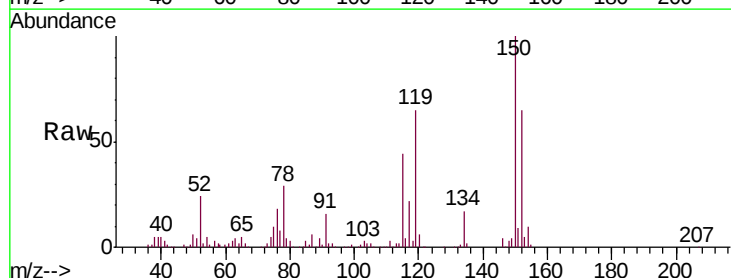
Tgt Ion:152 Resp: 63716

Ion Ratio Lower Upper

152 100

115 73.2 45.0 134.8

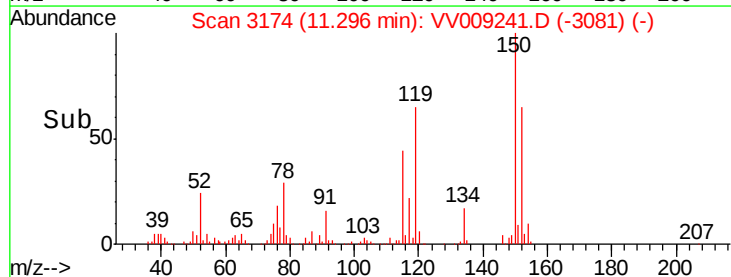
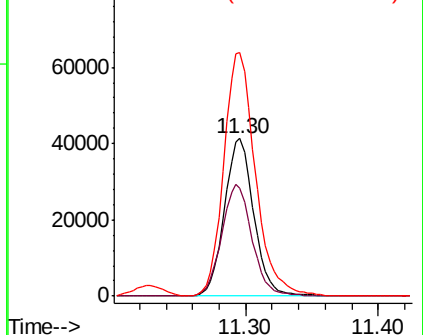
150 166.2 0.0 346.4

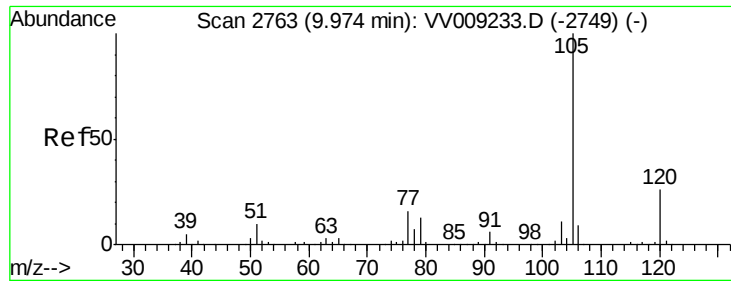


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.248 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

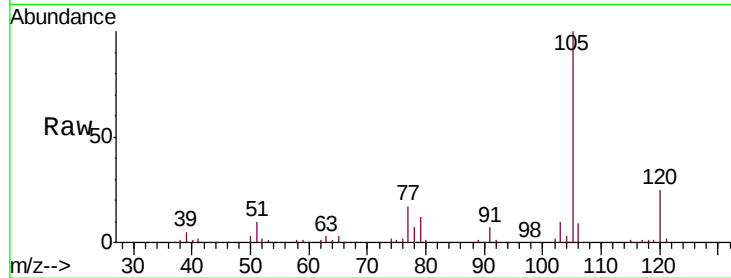
VV0122SBS01

Tgt Ion: 105 Resp: 101273

Ion Ratio Lower Upper

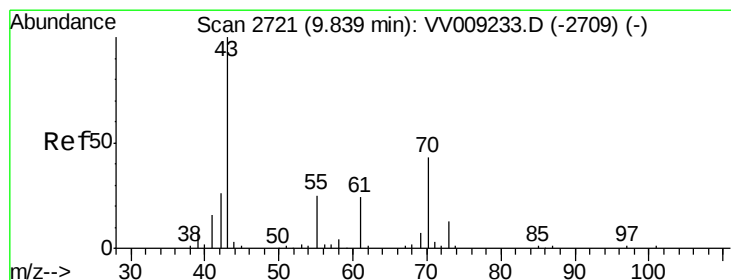
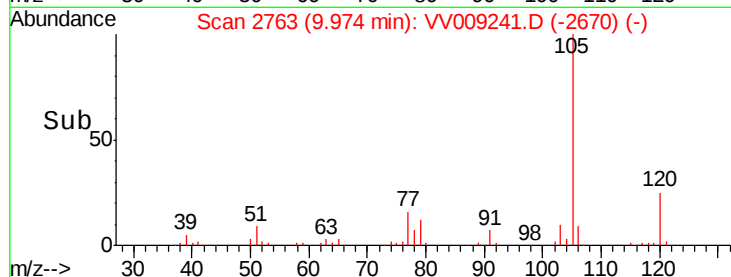
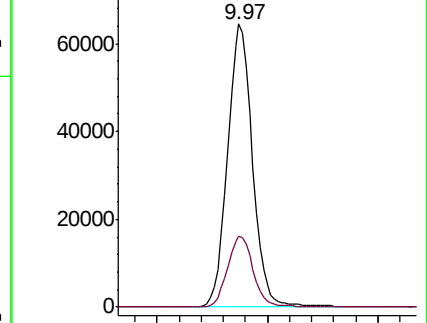
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.767 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion: 43 Resp: 21178

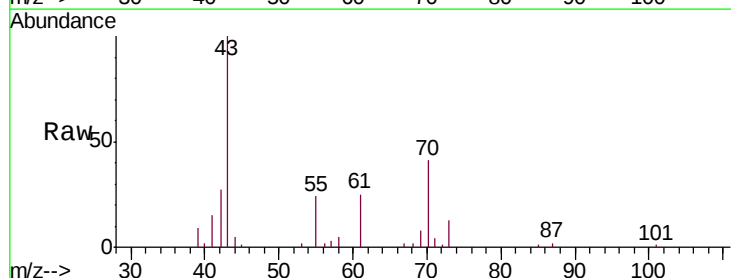
Ion Ratio Lower Upper

43 100

70 41.0 33.0 49.6

55 24.3 18.7 28.1

61 22.3 18.0 27.0

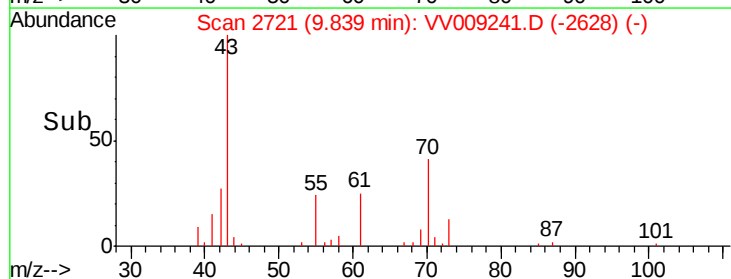
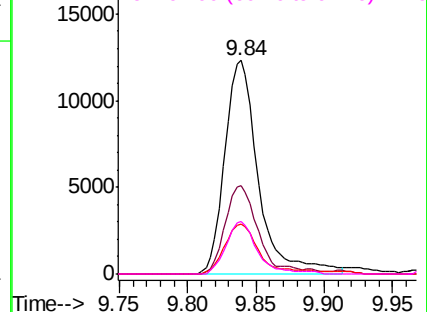


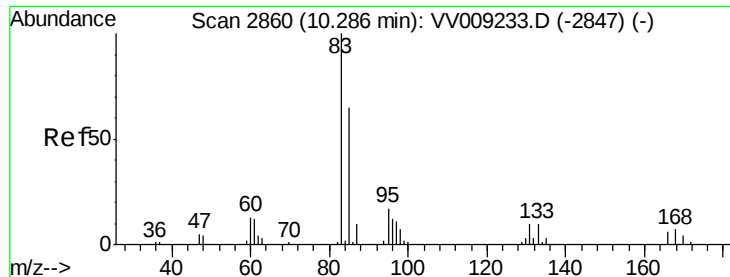
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 21.713 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

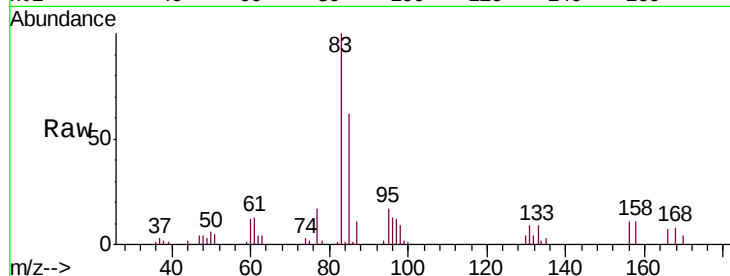
Tgt Ion: 83 Resp: 19260

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.3

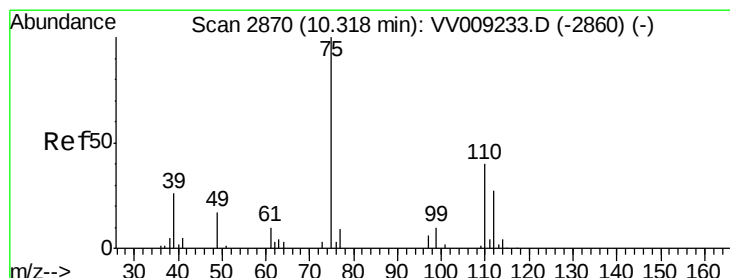
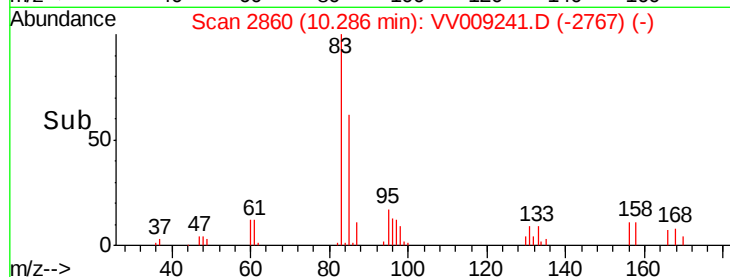
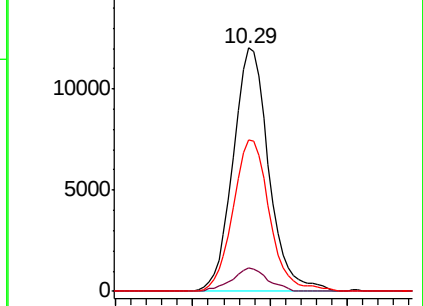
85 63.7 32.6 98.0



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: 29.771 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009241.D

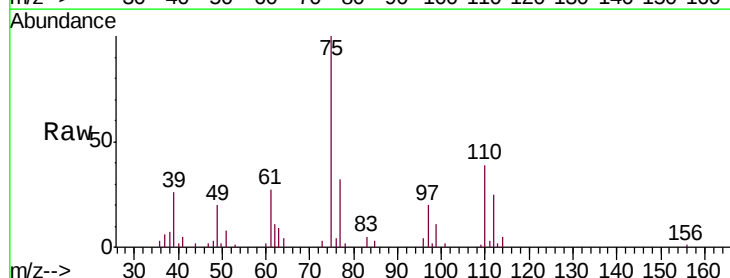
Acq: 22 Jan 2019 18:32

Tgt Ion: 75 Resp: 20768

Ion Ratio Lower Upper

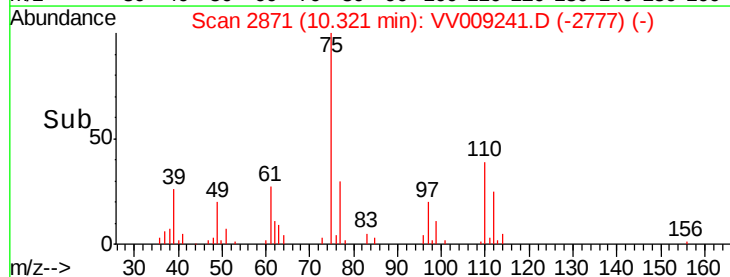
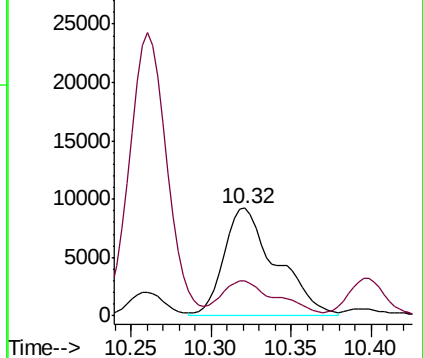
75 100

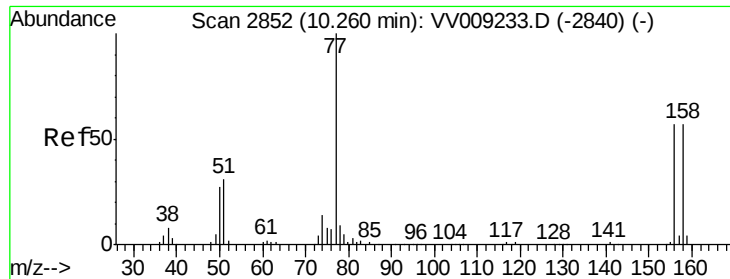
77 34.6 24.6 73.8



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 77.00 (76.70 to 77.70): VV0





#77

Bromobenzene

Concen: 20.173 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

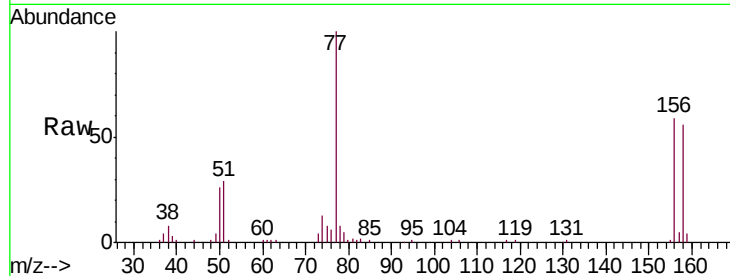
Tgt Ion:156 Resp: 22703

Ion Ratio Lower Upper

156 100

77 174.6 86.0 258.0

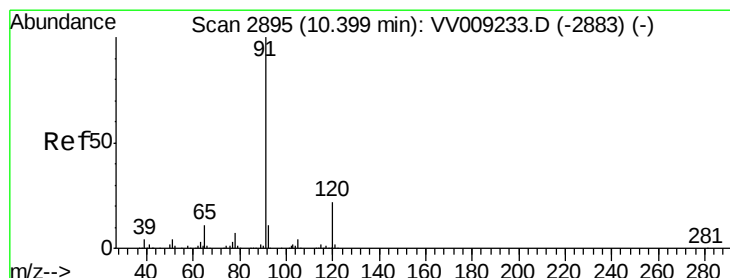
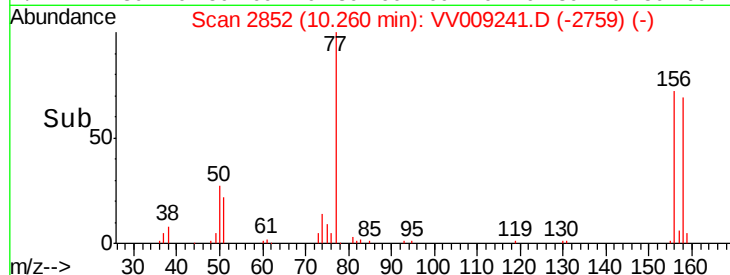
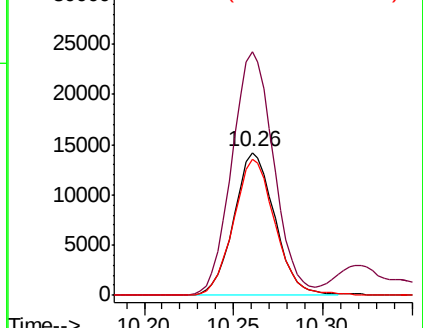
158 96.4 49.8 149.3



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: 19.284 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009241.D

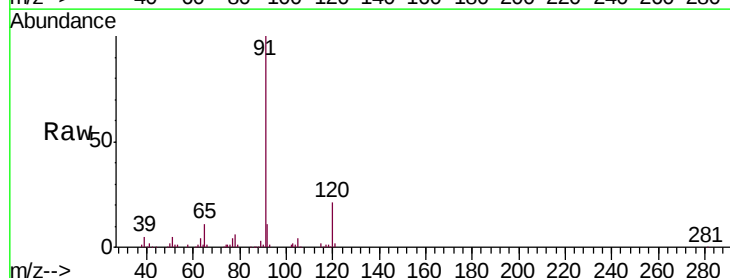
Acq: 22 Jan 2019 18:32

Tgt Ion: 91 Resp: 120280

Ion Ratio Lower Upper

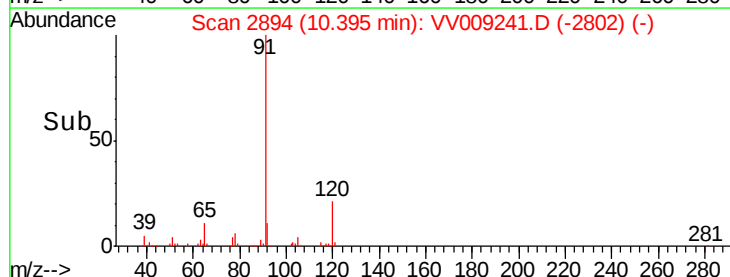
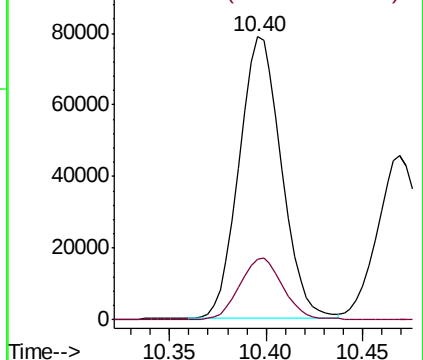
91 100

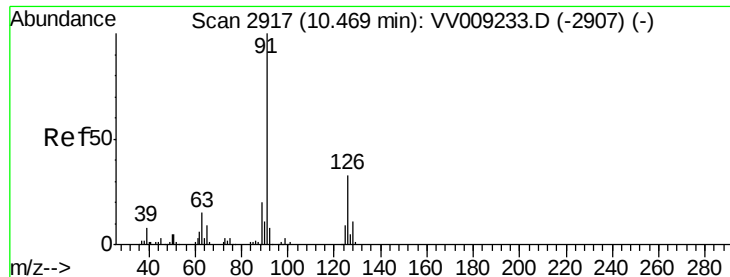
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.306 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

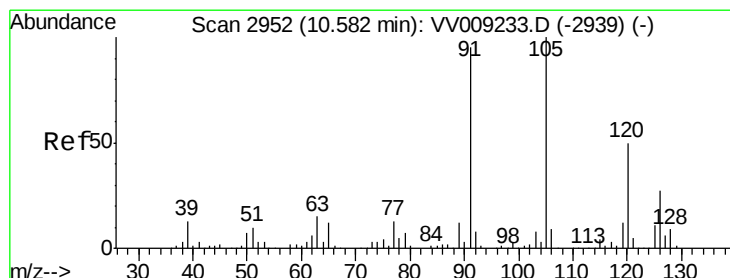
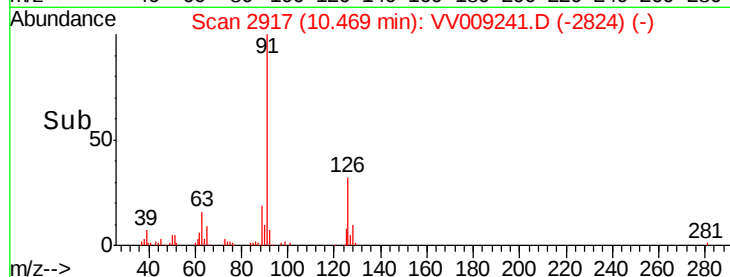
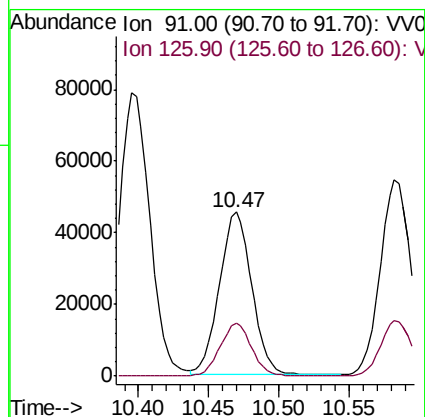
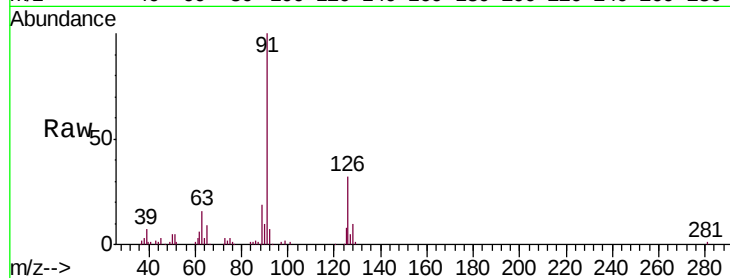
VV0122SBS01

Tgt Ion: 91 Resp: 72657

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 19.418 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009241.D

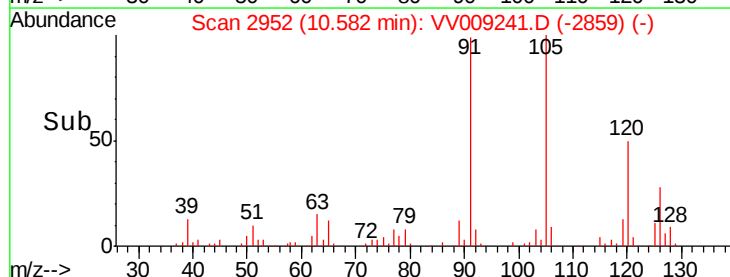
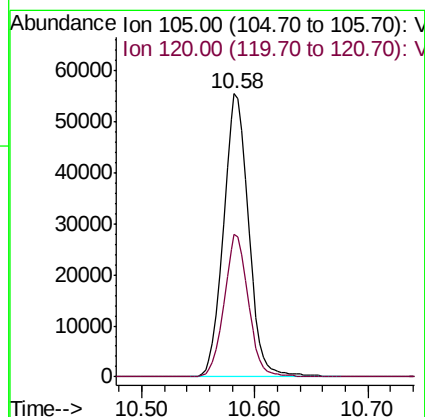
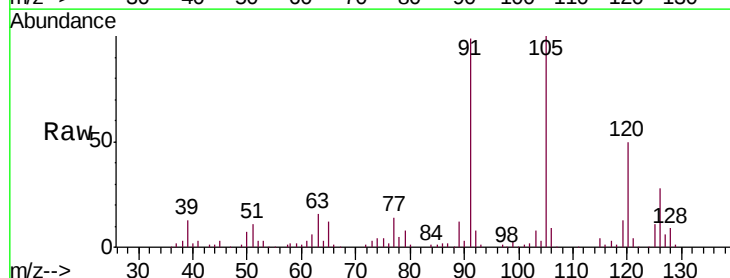
Acq: 22 Jan 2019 18:32

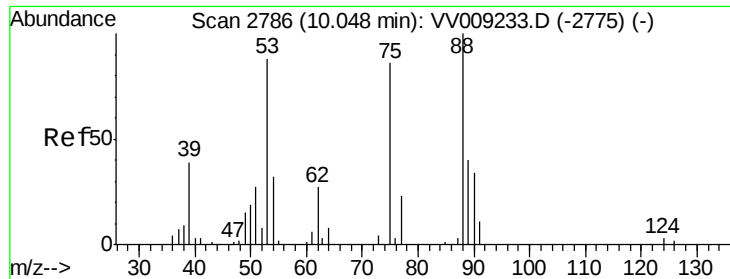
Tgt Ion: 105 Resp: 85682

Ion Ratio Lower Upper

105 100

120 48.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.048 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBSD01

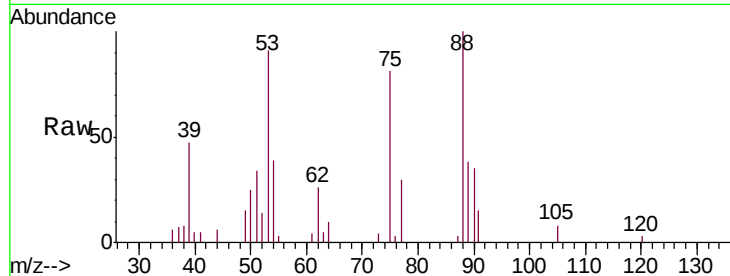
Tgt Ion: 75 Resp: 4942

Ion Ratio Lower Upper

75 100

53 110.1 82.1 123.1

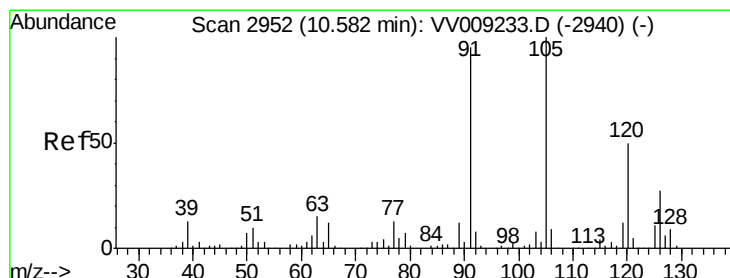
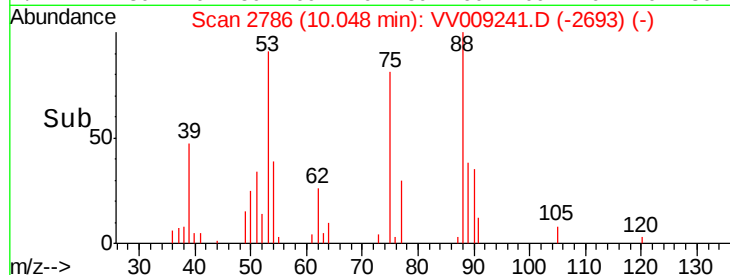
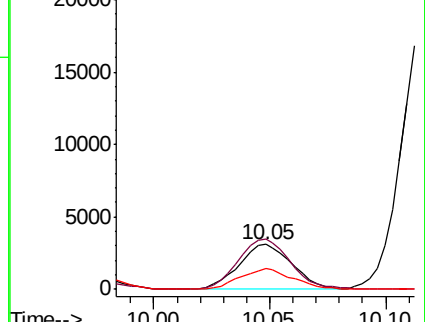
89 45.4 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 53.00 (52.70 to 53.70): VV0

Ion 88.90 (88.60 to 89.60): VV0



#82

4-Chlorotoluene

Concen: 19.126 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009241.D

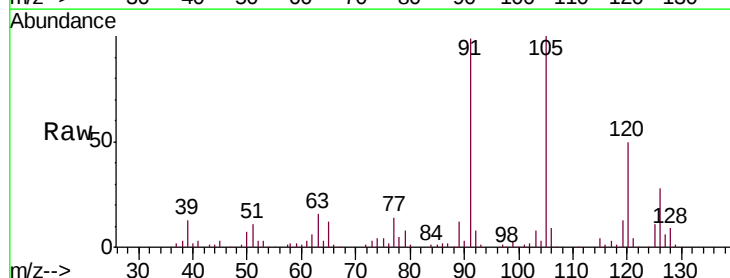
Acq: 22 Jan 2019 18:32

Tgt Ion: 91 Resp: 84783

Ion Ratio Lower Upper

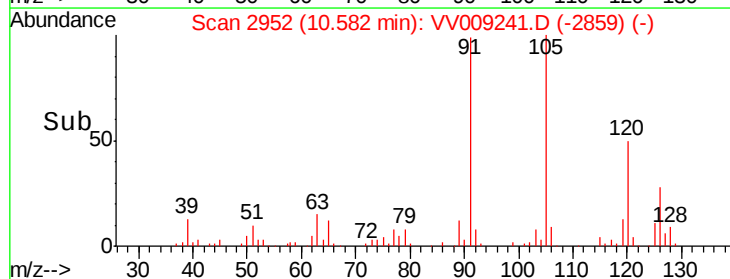
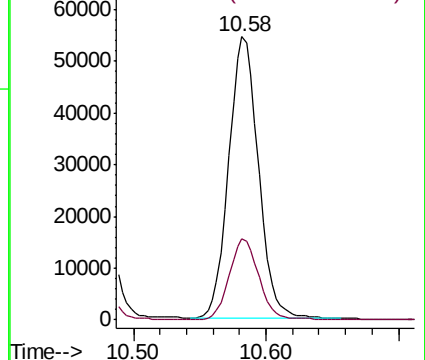
91 100

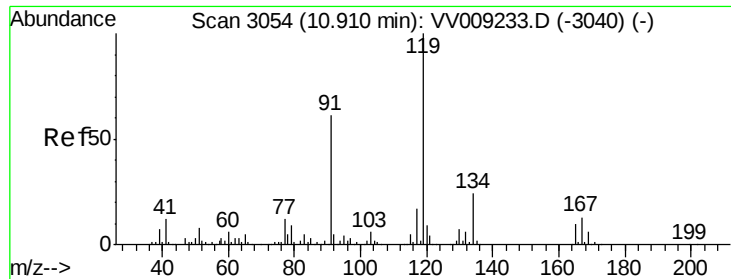
126 29.0 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 125.90 (125.60 to 126.60): V

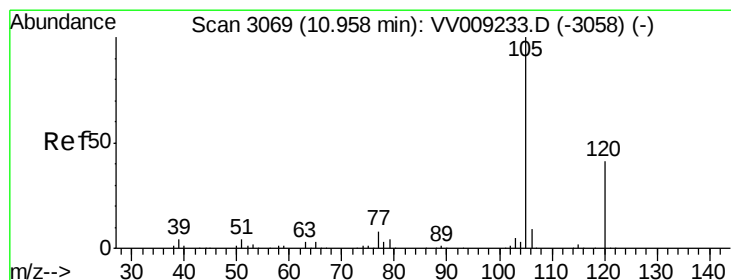
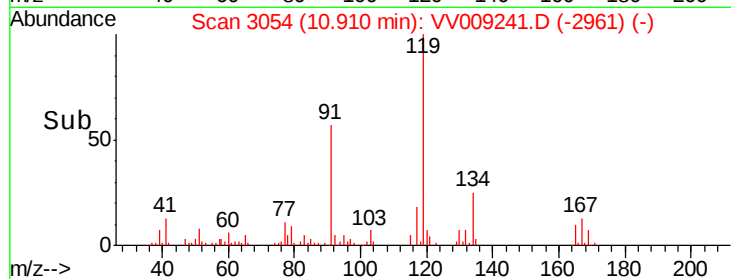
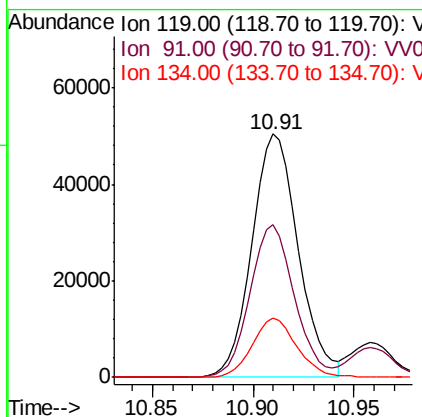
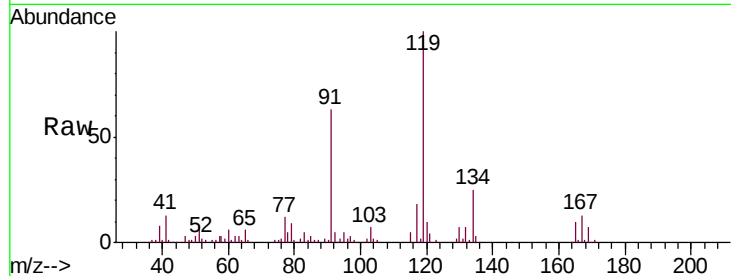




#83
 tert-Butylbenzene
 Concen: 19.319 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

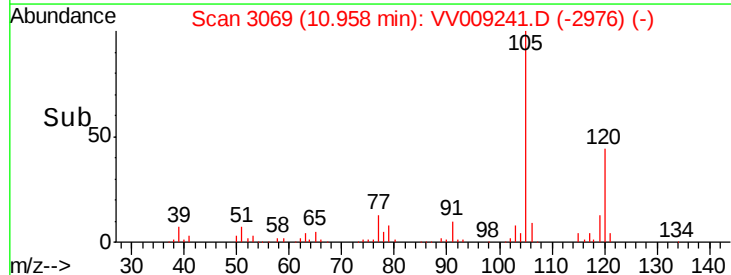
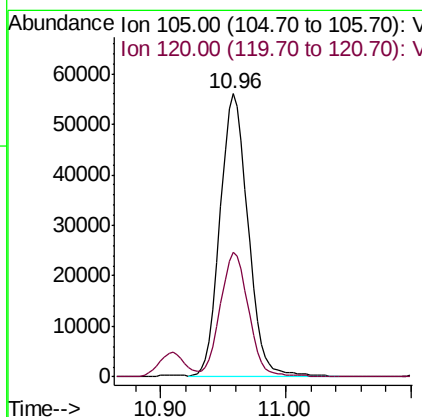
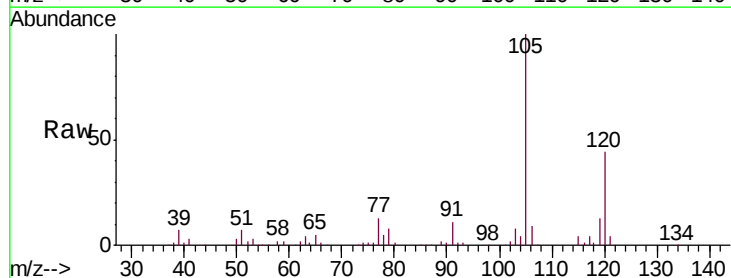
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBSD01

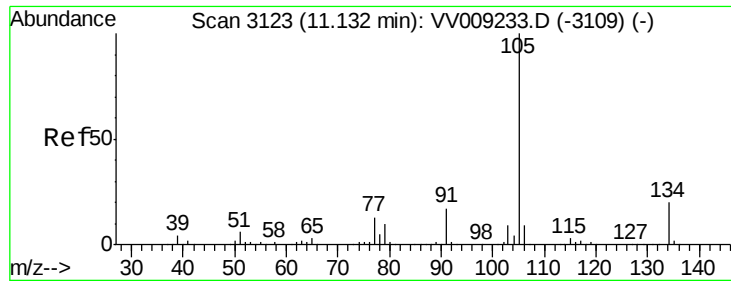
Tgt Ion:	119	Resp:	81173
Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.0	90.1
134	23.6	11.9	35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.617 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion:	105	Resp:	87320
Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.291 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

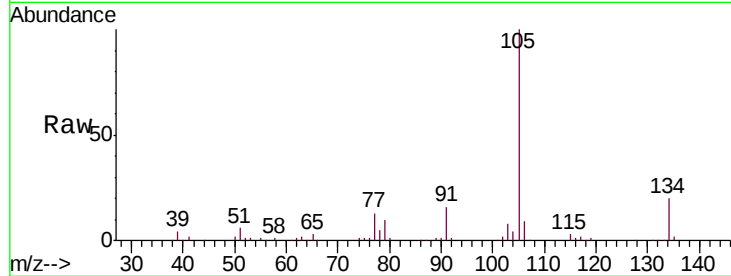
VV0122SBS01

Tgt Ion:105 Resp: 106165

Ion Ratio Lower Upper

105 100

134 19.7 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.13

60000

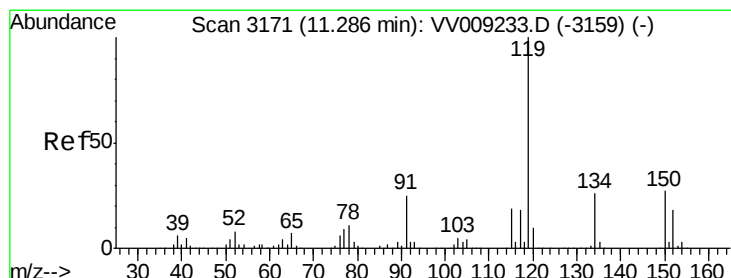
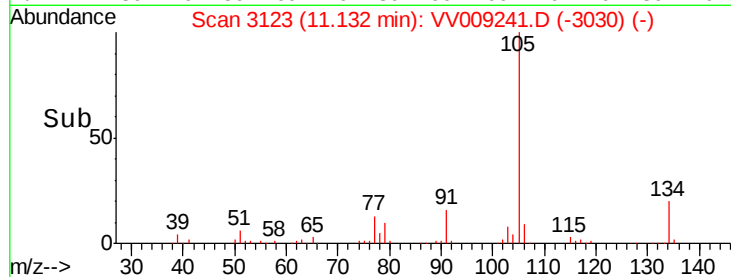
40000

20000

0

Time-->

11.10 11.20



#86

p-Isopropyltoluene

Concen: 19.527 ug/l

RT: 11.29 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

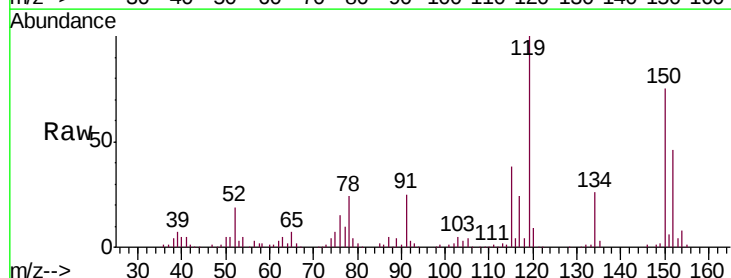
Tgt Ion:119 Resp: 94094

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 25.0 12.4 37.2



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

11.29

60000

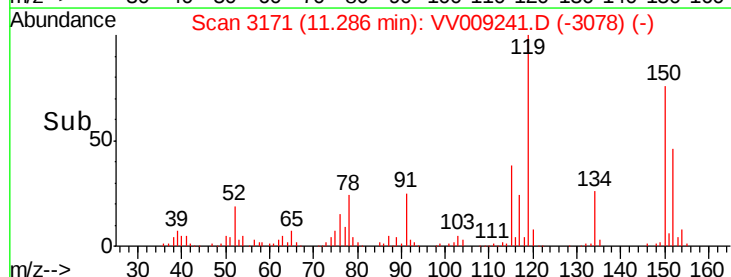
40000

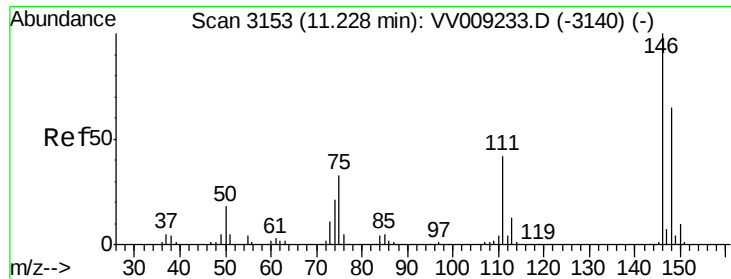
20000

0

Time-->

11.20 11.30

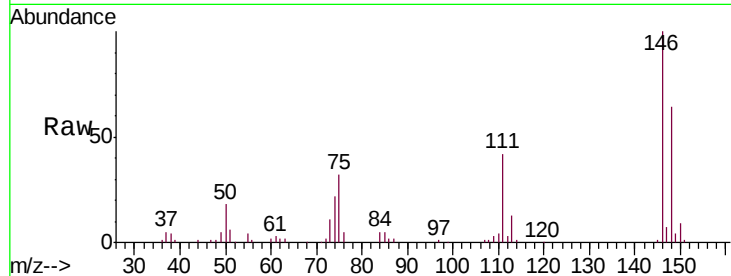




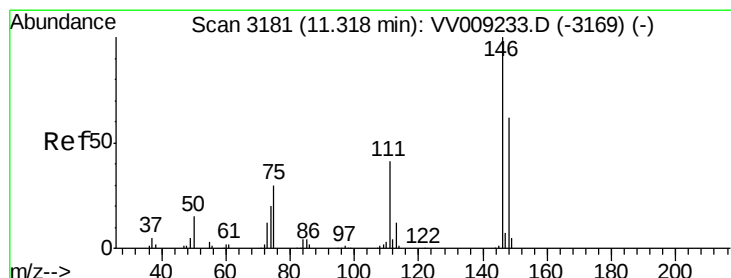
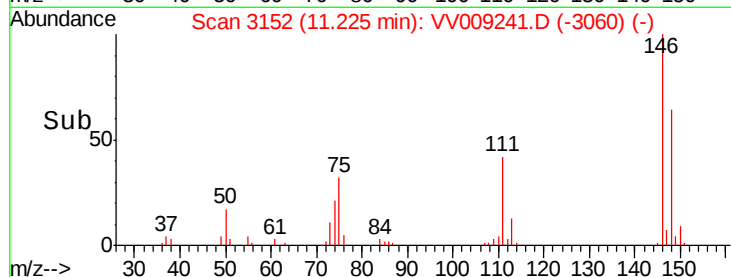
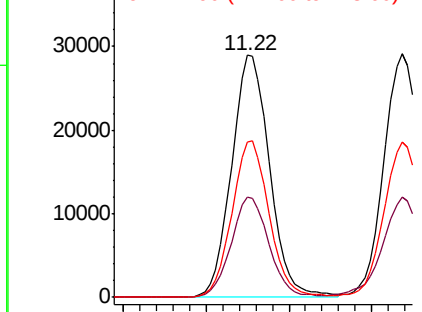
#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tgt Ion:146 Resp: 46246
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.1 63.4
 148 63.2 32.1 96.3

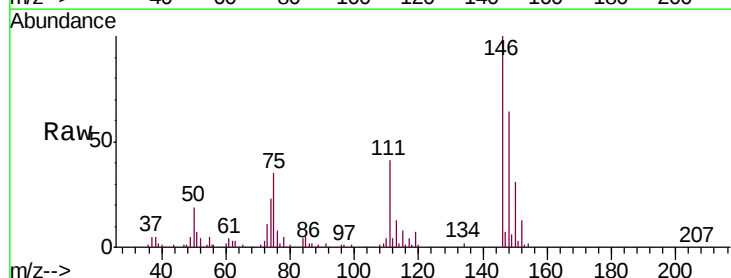


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

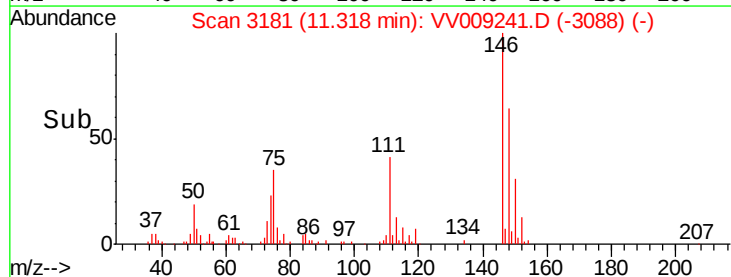
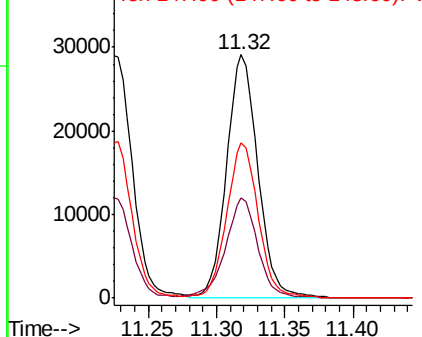


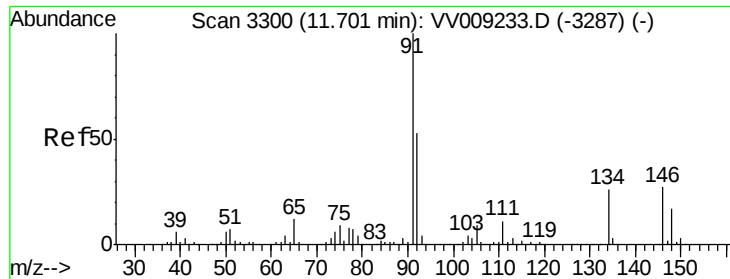
#88
 1,4-Dichlorobenzene
 Concen: 19.745 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion:146 Resp: 46642
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.5 61.5
 148 64.5 31.4 94.3



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

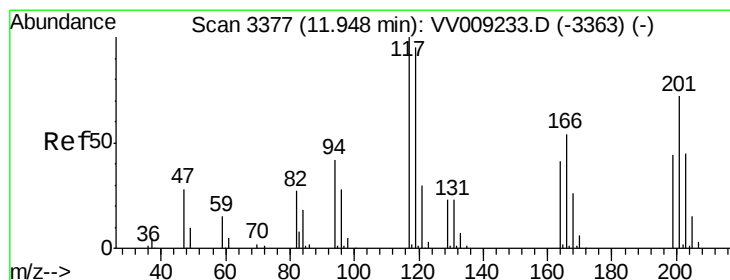
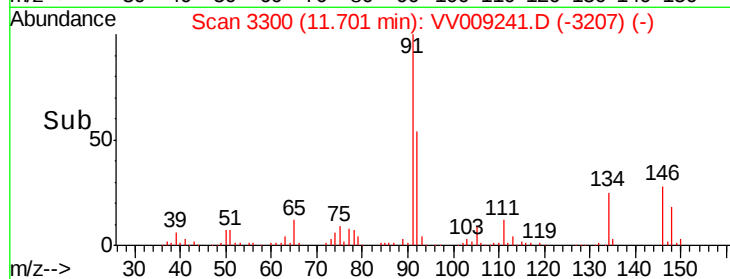
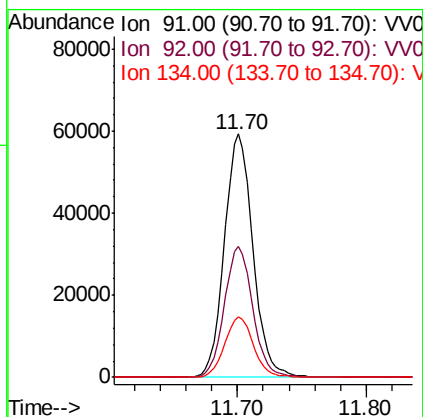
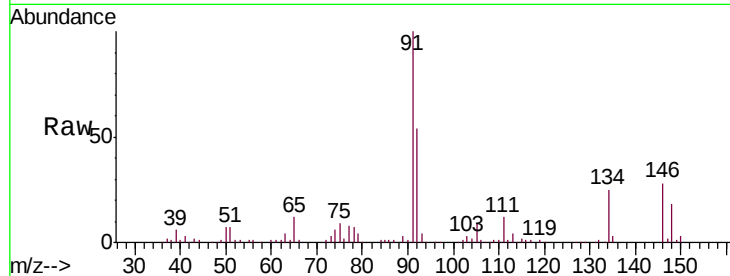




#89
n-Butylbenzene
Concen: 19.388 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

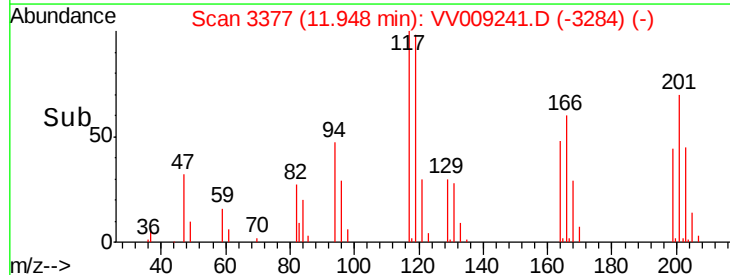
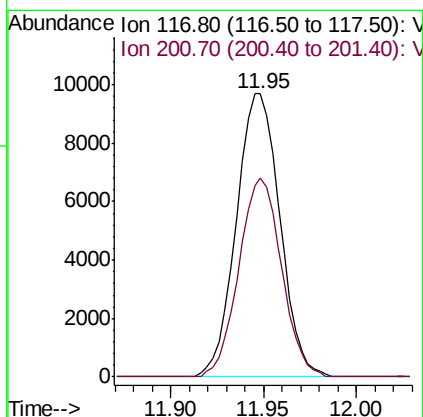
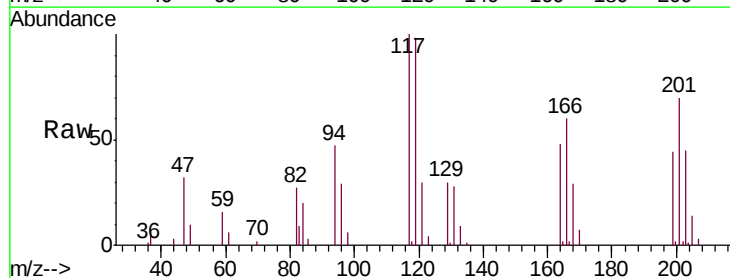
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

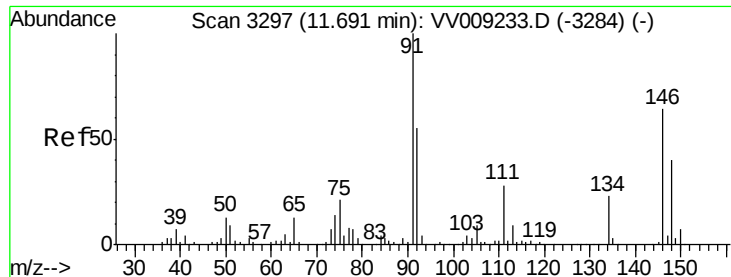
Tgt Ion: 91 Resp: 90680
Ion Ratio Lower Upper
91 100
92 53.6 27.2 81.5
134 25.1 12.6 37.8



#90
Hexachloroethane
Concen: 18.519 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 117 Resp: 15868
Ion Ratio Lower Upper
117 100
201 68.6 35.2 105.6

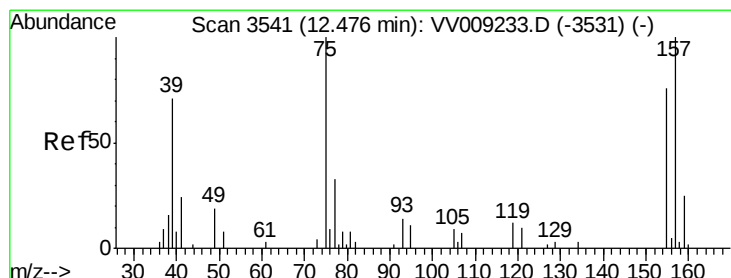
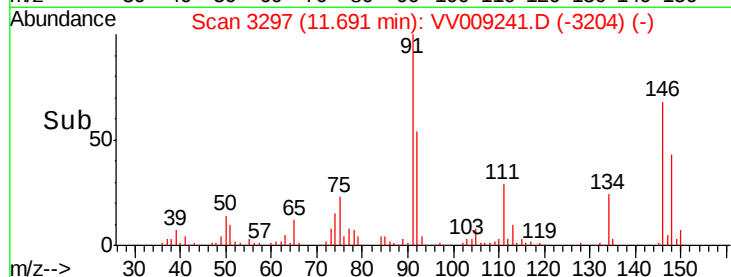
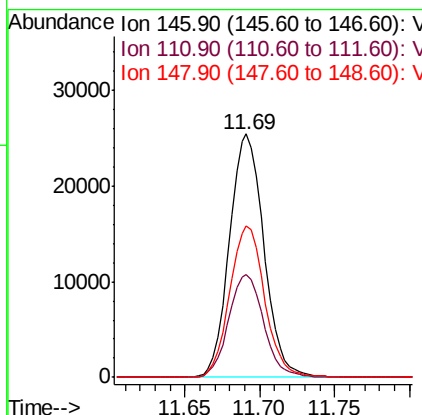
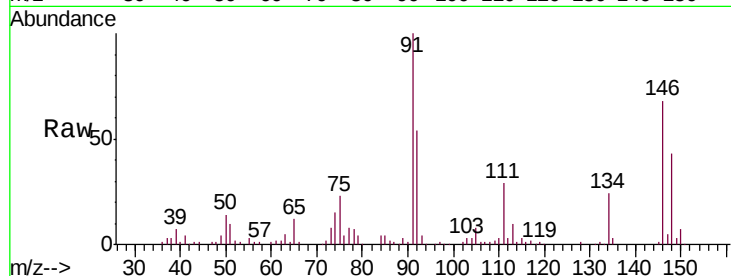




#91
 1,2-Dichlorobenzene
 Concen: 19.806 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

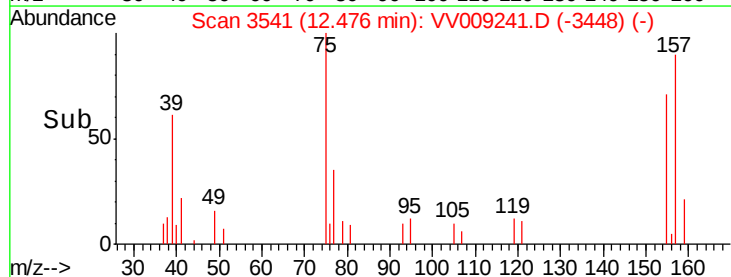
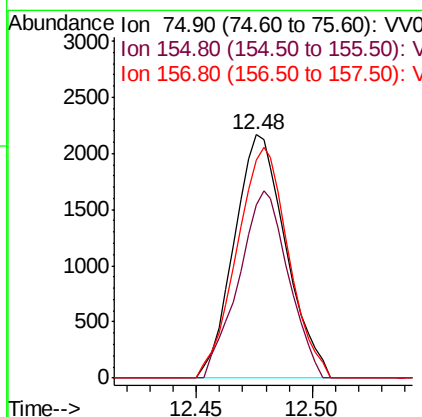
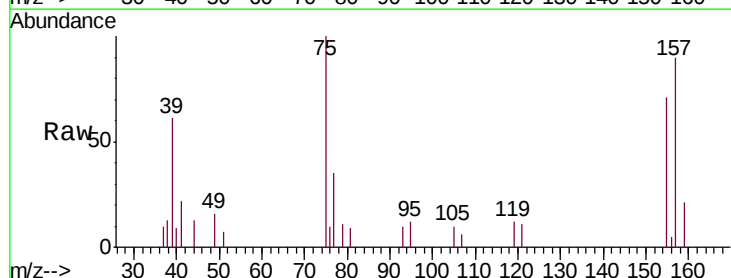
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

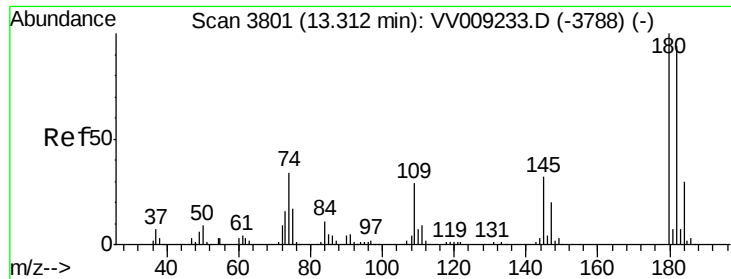
Tgt Ion: 146 Resp: 40854
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.9 65.8
 148 63.0 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.489 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion: 75 Resp: 3349
 Ion Ratio Lower Upper
 75 100
 155 73.6 38.0 114.0
 157 94.7 50.8 152.4

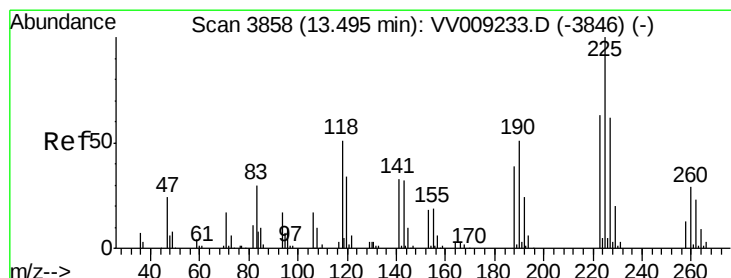
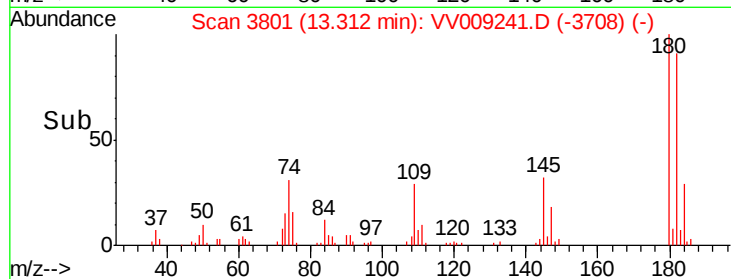
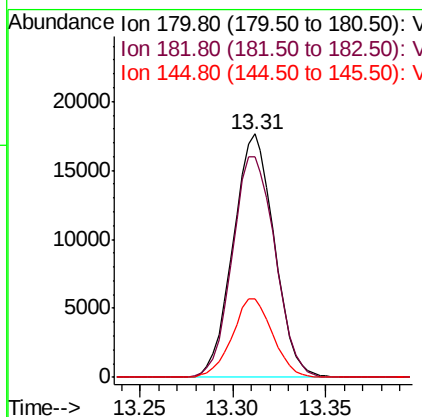
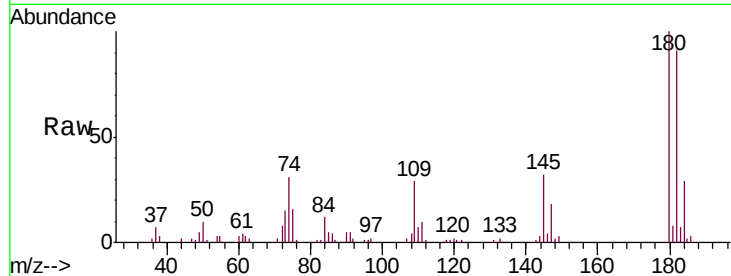




#93
 1,2,4-Trichlorobenzene
 Concen: 20.502 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

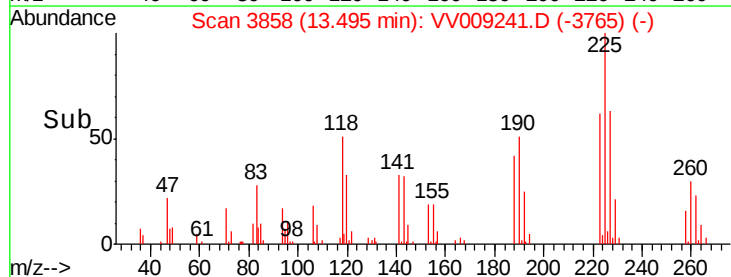
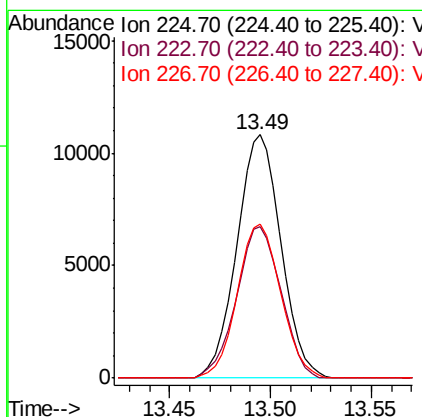
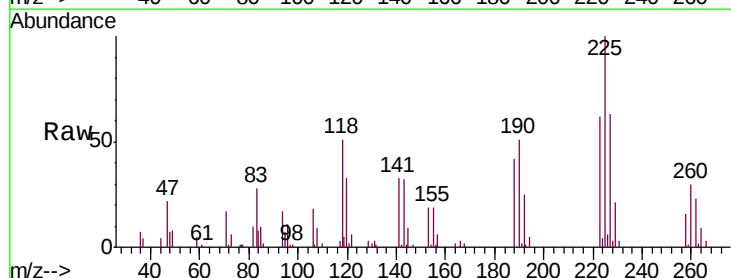
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

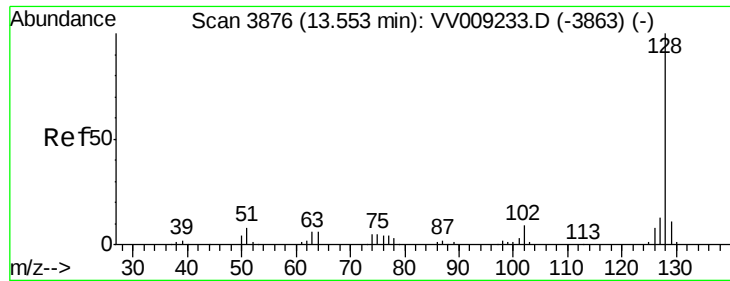
Tgt Ion:180 Resp: 27224
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.4
 145 31.7 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 20.142 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion:225 Resp: 16576
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.7 95.1
 227 62.4 31.6 95.0

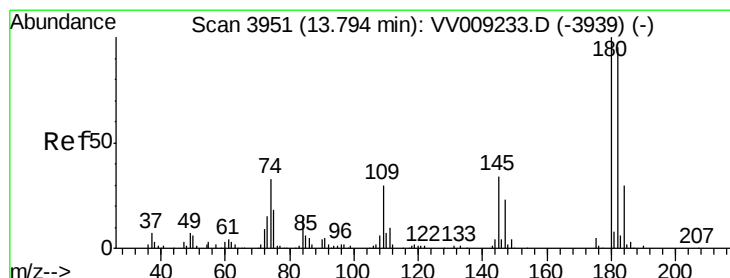
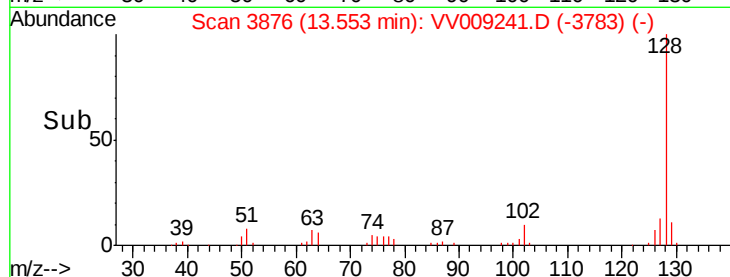
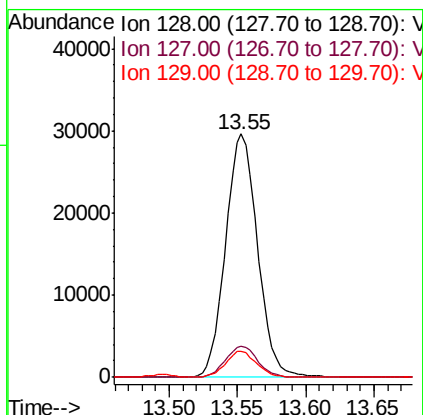
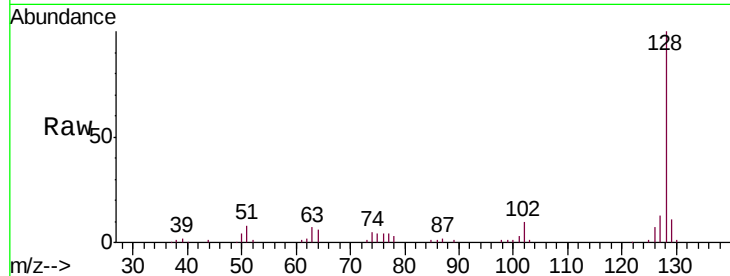




#95
Naphthalene
Concen: 20.998 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tgt Ion:128 Resp: 48211
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.580 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion:180 Resp: 23140
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.2
145 33.9 17.2 51.5

