

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009265.D
 Acq On : 24 Jan 2019 18:26
 Operator : SY/MD
 Sample : VV0124SBS01
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Quant Time: Jan 24 23:31:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	76433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	129704	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	119016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	60948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.08	65	46808	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	4.64	113	41796	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	7.36	98	157916	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.12	95	59109	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	9998	15.651	ug/l	94
3) Chloromethane	1.25	50	15045	17.326	ug/l	99
4) Vinyl Chloride	1.33	62	16542	18.804	ug/l	99
5) Bromomethane	1.53	94	9226	18.536	ug/l	99
6) Chloroethane	1.59	64	8871	19.227	ug/l	95
7) Trichlorofluoromethane	1.75	101	7402	17.812	ug/l	94
8) Diethyl Ether	1.96	74	8995	21.739	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.13	101	15213	20.562	ug/l	94
10) Methyl Iodide	2.25	142	25599	21.002	ug/l	97
11) Tert butyl alcohol	2.66	59	12930	165.540	ug/l #	95
12) 1,1-Dichloroethene	2.14	96	15801	20.554	ug/l	99
13) Acrolein	2.05	56	5382	121.004	ug/l	97
14) Allyl chloride	2.42	41	23310	20.300	ug/l	99
15) Acrylonitrile	2.76	53	23133	119.378	ug/l	95
16) Acetone	2.18	43	24734	97.027	ug/l	100
17) Carbon Disulfide	2.32	76	43143	19.990	ug/l	99
18) Methyl Acetate	2.45	43	16511	25.871	ug/l	95
19) Methyl tert-butyl Ether	2.80	73	27285	22.673	ug/l	99
20) Methylene Chloride	2.53	84	19378	22.414	ug/l	96
21) trans-1,2-Dichloroethene	2.78	96	16326	20.508	ug/l	95
22) Diisopropyl ether	3.32	45	57249	20.859	ug/l	97
23) Vinyl Acetate	3.30	43	181694	107.386	ug/l	100
24) 1,1-Dichloroethane	3.22	63	34620	20.425	ug/l	100
25) 2-Butanone	4.01	43	35939	107.587	ug/l	96
26) 2,2-Dichloropropane	3.95	77	16717	19.449	ug/l	97
27) cis-1,2-Dichloroethene	3.95	96	20732	20.537	ug/l	100
28) Bromochloromethane	4.29	49	13326	19.597	ug/l	100
29) Tetrahydrofuran	4.38	42	22135	116.262	ug/l	99
30) Chloroform	4.42	83	34830	20.450	ug/l	95
31) Cyclohexane	4.72	56	31241	19.993	ug/l	99
32) 1,1,1-Trichloroethane	4.65	97	26932	20.339	ug/l	98
36) 1,1-Dichloropropene	4.87	75	26156	20.140	ug/l	100
37) Ethyl Acetate	4.12	43	14883	20.848	ug/l	97
38) Carbon Tetrachloride	4.87	117	25690	20.003	ug/l	96

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 VV0124SBS01

Quant Time: Jan 24 23:31:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	6.17	83	32186	19.775	ug/l	97
40) Benzene	5.14	78	78253	20.452	ug/l	100
41) Methacrylonitrile	4.31	41	8150	21.539	ug/l	97
42) 1,2-Dichloroethane	5.17	62	25020	21.030	ug/l	99
43) Isopropyl Acetate	5.33	43	26853	21.344	ug/l	98
44) Trichloroethene	5.96	130	21095	20.659	ug/l	94
45) 1,2-Dichloropropane	6.22	63	18636	19.785	ug/l	98
46) Dibromomethane	6.35	93	11144	21.119	ug/l	98
47) Bromodichloromethane	6.55	83	25117	20.236	ug/l	99
48) Methyl methacrylate	6.42	41	13401	21.473	ug/l	97
49) 1,4-Dioxane	6.41	88	3533	426.687	ug/l #	87
51) 4-Methyl-2-Pentanone	7.27	43	71286	107.665	ug/l	98
52) Toluene	7.43	92	48887	20.233	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	24700	19.678	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	27982	19.650	ug/l	98
55) 1,1,2-Trichloroethane	7.88	97	16002	21.748	ug/l	95
56) Ethyl methacrylate	7.83	69	18903	21.264	ug/l	97
57) 1,3-Dichloropropane	8.05	76	27921	21.299	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.94	63	1366	58.072	ug/l	99
59) 2-Hexanone	8.18	43	50046	105.142	ug/l	100
60) Dibromochloromethane	8.29	129	17078	20.305	ug/l	98
61) 1,2-Dibromoethane	8.40	107	16056	21.718	ug/l	98
64) Tetrachloroethene	8.02	164	17819	21.714	ug/l	98
65) Chlorobenzene	8.92	112	53863	20.068	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	18980	21.178	ug/l	98
67) Ethyl Benzene	9.05	91	91190	20.025	ug/l	100
68) m/p-Xylenes	9.18	106	70920	40.600	ug/l	99
69) o-Xylene	9.59	106	32821	20.106	ug/l	99
70) Styrene	9.60	104	53390	20.084	ug/l	99
71) Bromoform	9.77	173	10086	20.874	ug/l #	99
73) Isopropylbenzene	9.97	105	92220	20.375	ug/l	99
74) N-amyl acetate	9.84	43	21181	20.000	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	21052	22.619	ug/l	96
76) 1,2,3-Trichloropropane	10.32	75	15981	22.213	ug/l #	77
77) Bromobenzene	10.26	156	21495	20.354	ug/l	98
78) n-propylbenzene	10.40	91	108246	20.214	ug/l	100
79) 2-Chlorotoluene	10.47	91	64469	19.975	ug/l	98
80) 1,3,5-Trimethylbenzene	10.59	105	77654	20.397	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	5254	20.744	ug/l	98
82) 4-Chlorotoluene	10.58	91	76573	20.013	ug/l	98
83) tert-Butylbenzene	10.91	119	74246	20.199	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	78733	20.146	ug/l	99
85) sec-Butylbenzene	11.13	105	97202	20.292	ug/l	98
86) p-Isopropyltoluene	11.29	119	84374	19.960	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	43349	20.269	ug/l	100
88) 1,4-Dichlorobenzene	11.32	146	44495	20.382	ug/l	99
89) n-Butylbenzene	11.70	91	80317	19.620	ug/l	99
90) Hexachloroethane	11.95	117	14744	19.719	ug/l	96
91) 1,2-Dichlorobenzene	11.69	146	40109	20.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3479	22.389	ug/l	97

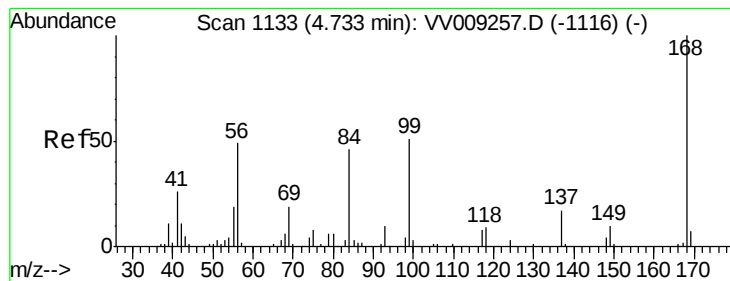
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV012419\
Data File : VV009265.D
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ClientSampleId :
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Quant Time: Jan 24 23:31:26 2019
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Quant Title : SW846 8260
QLast Update : Thu Jan 24 23:18:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	26812	19.939	ug/l	97
94) Hexachlorobutadiene	13.49	225	15390	20.022	ug/l	99
95) Naphthalene	13.55	128	53655	19.919	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	24005	20.239	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

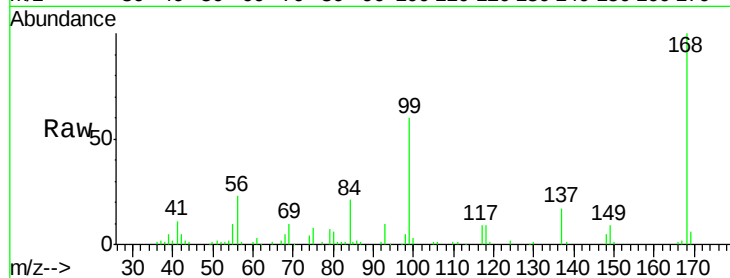
VV0124SBS01

Tot Ion:168 Resp: 76433

Ion Ratio Lower Upper

168 100

99 59.7 50.0 75.0



Abundance Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009257.D (-1116) (-)

4.73

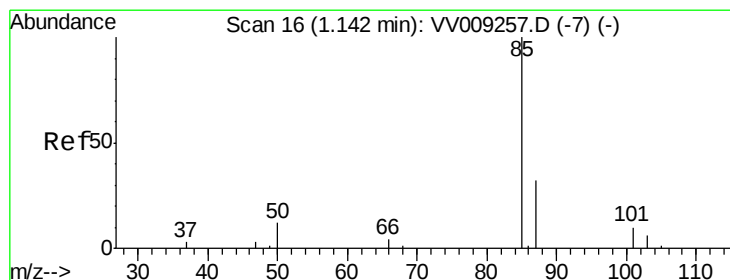
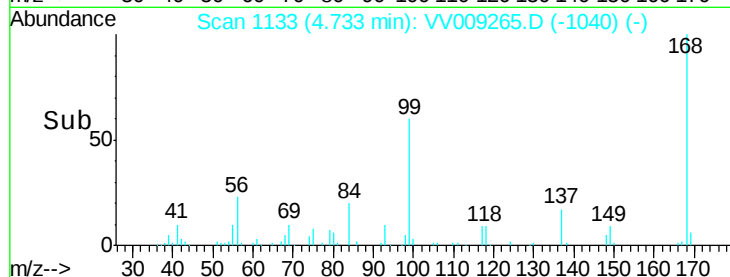
30000

20000

10000

0

Time--> 4.60 4.70 4.80



#2

Dichlorodifluoromethane

Concen: 15.651 ug/l

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009265.D

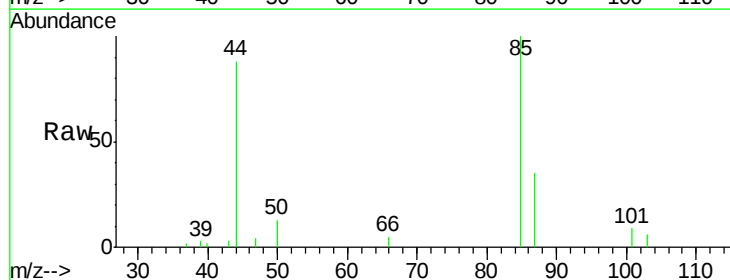
Acq: 24 Jan 2019 18:26

Tgt Ion: 85 Resp: 9998

Ion Ratio Lower Upper

85 100

87 35.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009257.D (-7) (-)

1.14

5000

4000

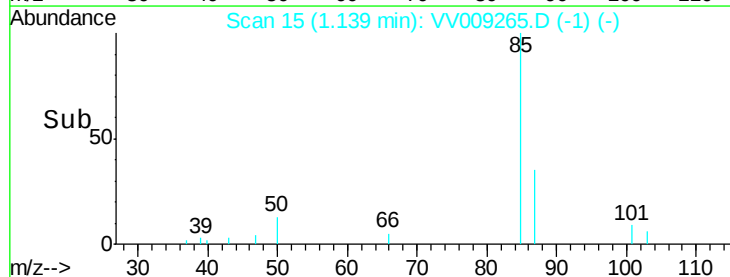
3000

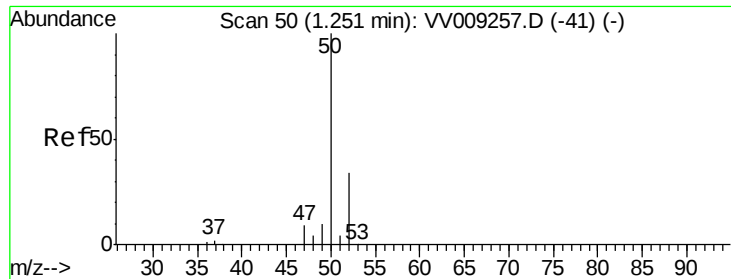
2000

1000

0

Time--> 1.10 1.15 1.20





#3

Chloromethane

Concen: 17.326 ug/l

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

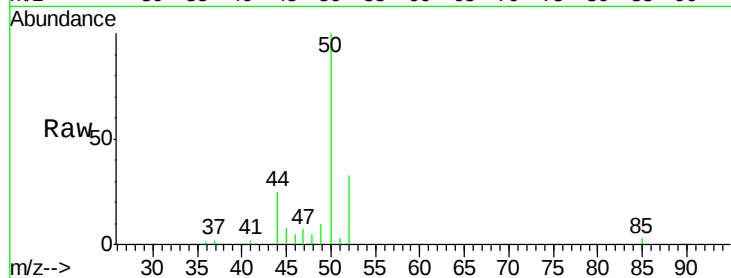
VV0124SBSD01

Tot Ion: 50 Resp: 15045

Ion Ratio Lower Upper

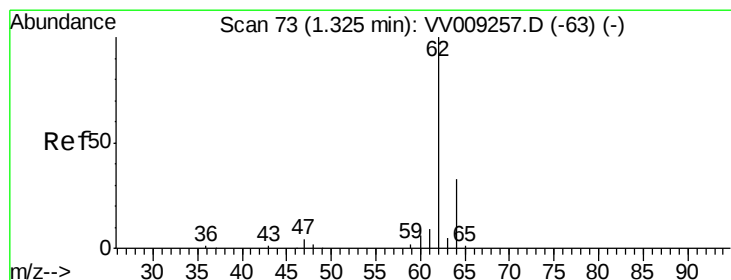
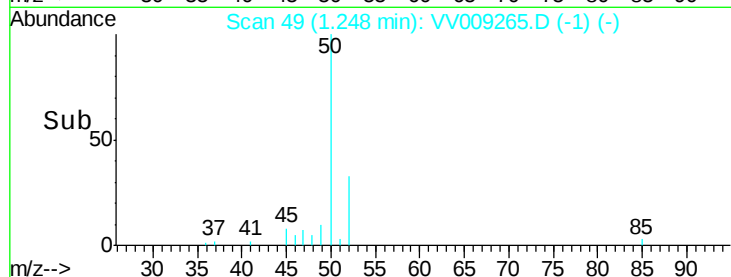
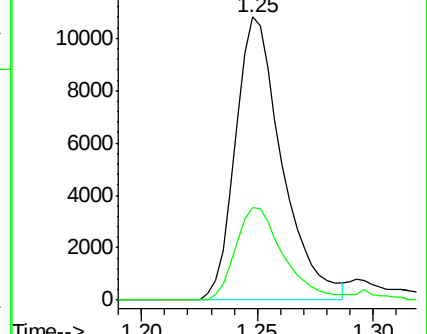
50 100

52 32.8 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0



#4

Vinyl Chloride

Concen: 18.804 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009265.D

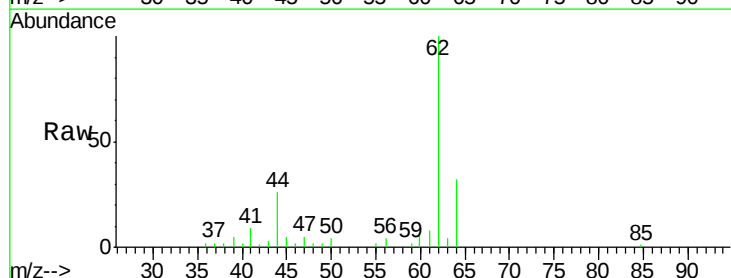
Acq: 24 Jan 2019 18:26

Tgt Ion: 62 Resp: 16542

Ion Ratio Lower Upper

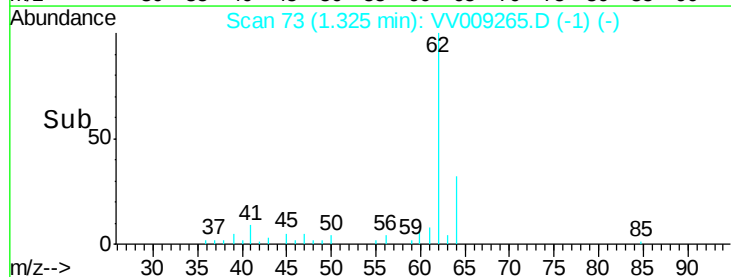
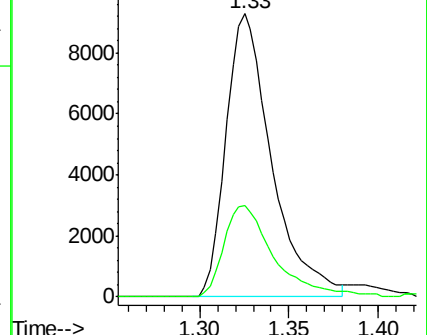
62 100

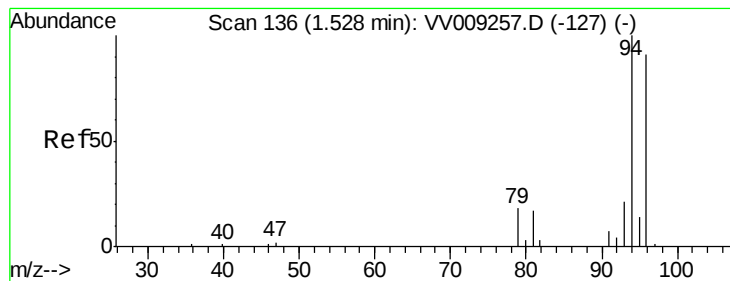
64 32.2 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0





#5

Bromomethane

Concen: 18.536 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

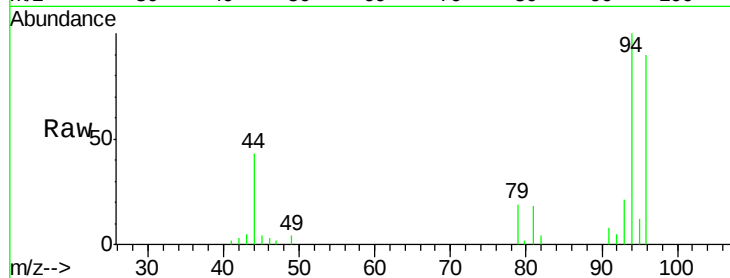
VV0124SBS01

Tot Ion: 94 Resp: 9226

Ion Ratio Lower Upper

94 100

96 90.3 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VV0

Ion 95.90 (95.60 to 96.60): VV0

1.53

6000

5000

4000

3000

2000

1000

0

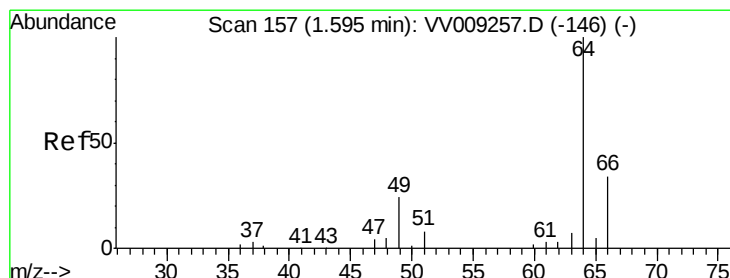
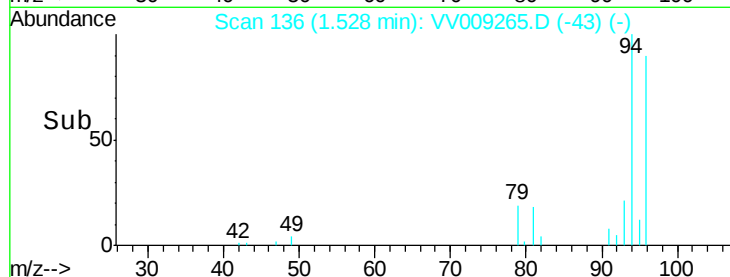
Time-->

1.45

1.50

1.55

1.60



#6

Chloroethane

Concen: 19.227 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV009265.D

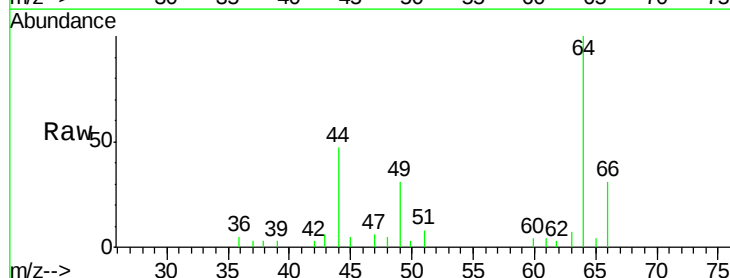
Acq: 24 Jan 2019 18:26

Tgt Ion: 64 Resp: 8871

Ion Ratio Lower Upper

64 100

66 31.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VV0

Ion 65.90 (65.60 to 66.60): VV0

1.59

5000

4000

3000

2000

1000

0

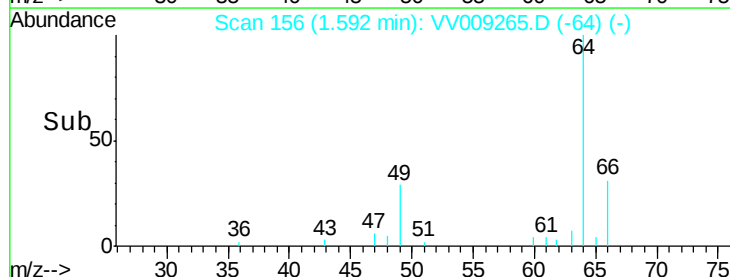
Time-->

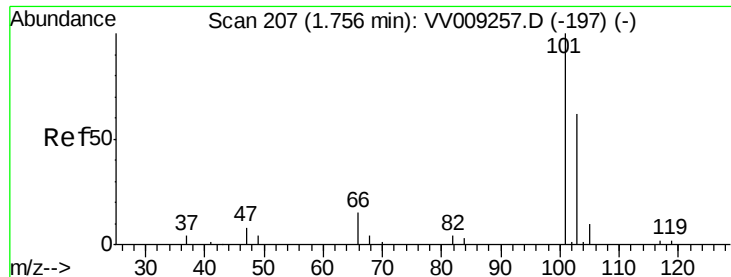
1.55

1.60

1.65

1.70



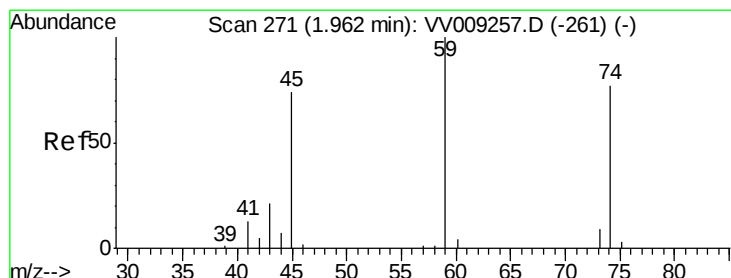
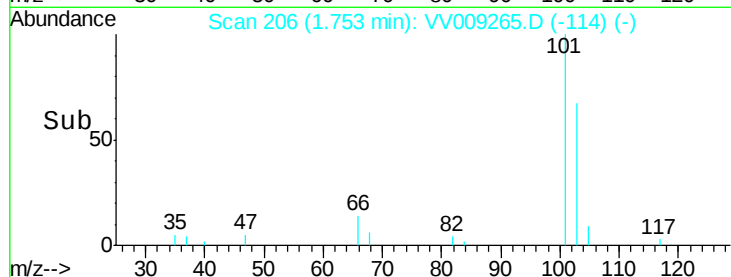
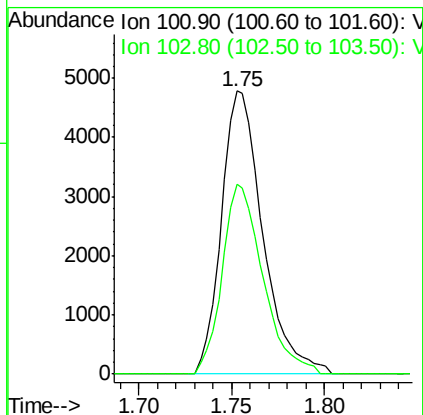
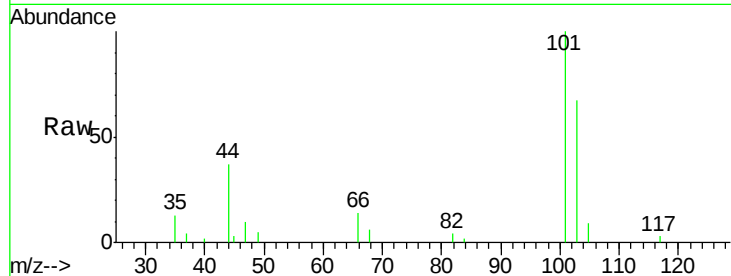


#7

Trichlorofluoromethane
 Concen: 17.812 ug/l
 RT: 1.75 min Scan# 206
 Delta R.T. -0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBSD01

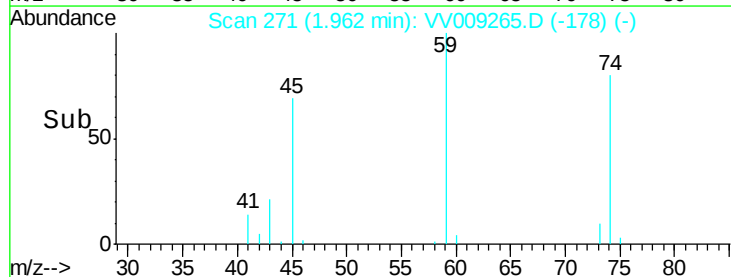
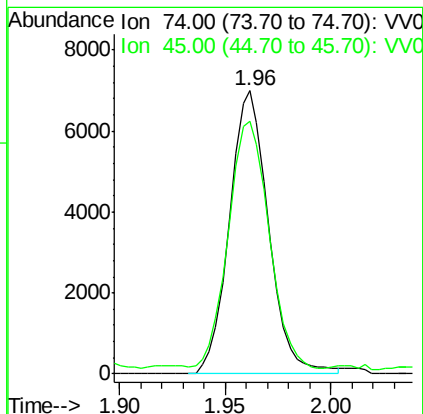
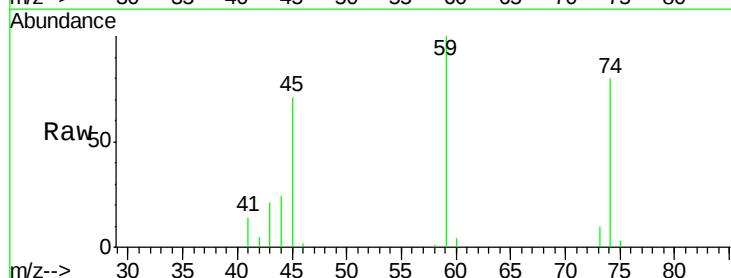
Tot Ion:101 Resp: 7402
 Ion Ratio Lower Upper
 101 100
 103 66.9 49.8 74.8

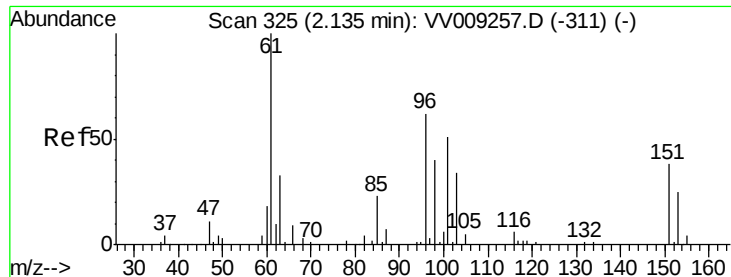


#8

Diethyl Ether
 Concen: 21.739 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 74 Resp: 8995
 Ion Ratio Lower Upper
 74 100
 45 90.6 47.4 142.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

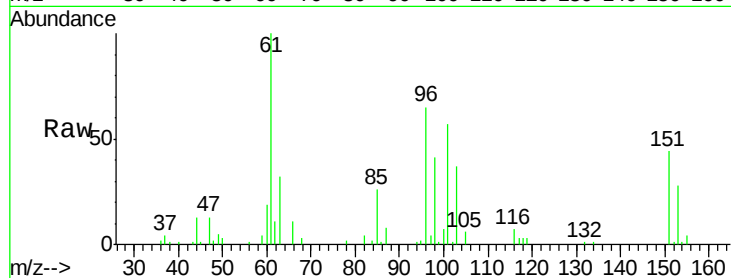
Tot Ion:101 Resp: 15213

Ion Ratio Lower Upper

101 100

85 43.4 33.8 50.6

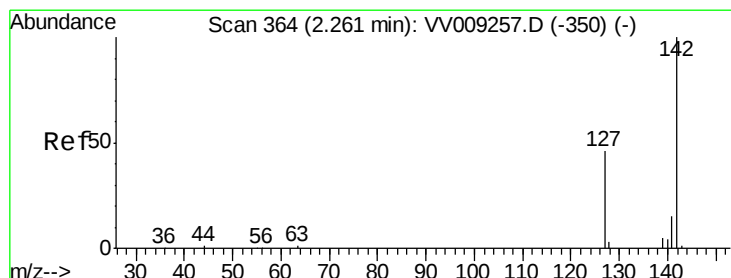
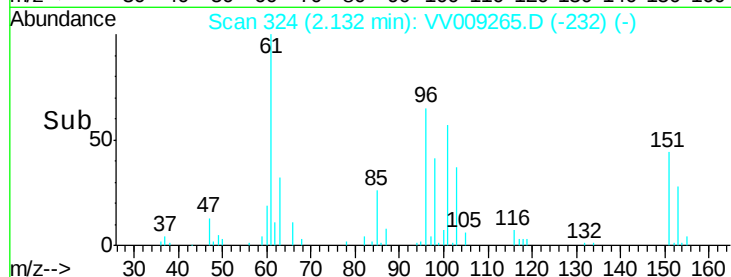
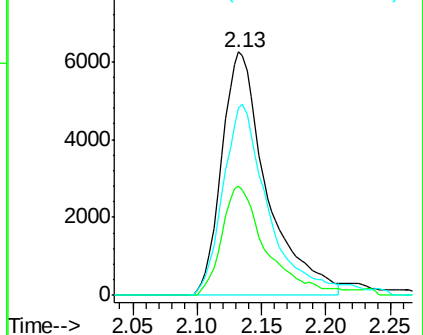
151 79.7 58.3 87.5



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: 21.002 ug/l

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

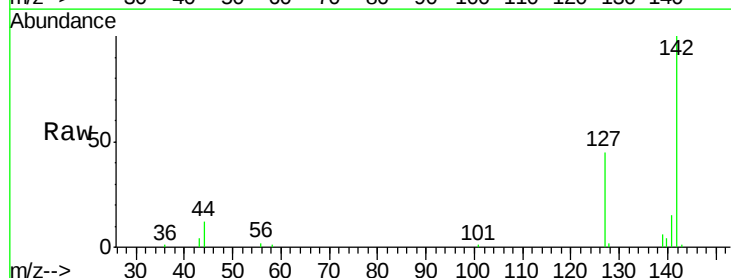
Tgt Ion:142 Resp: 25599

Ion Ratio Lower Upper

142 100

127 43.3 36.8 55.2

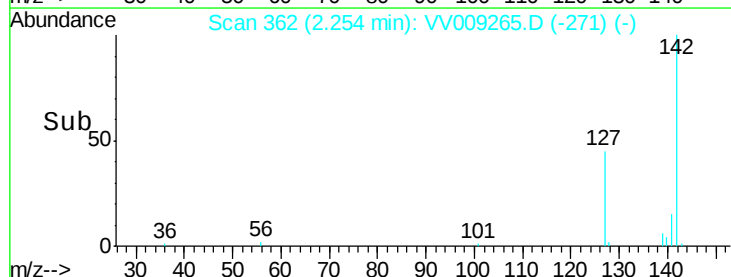
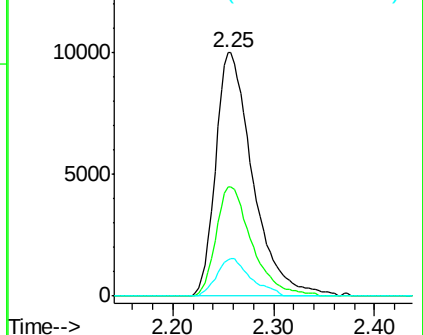
141 14.1 11.6 17.4

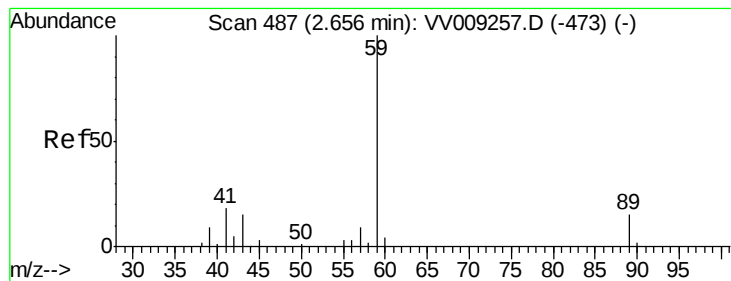


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



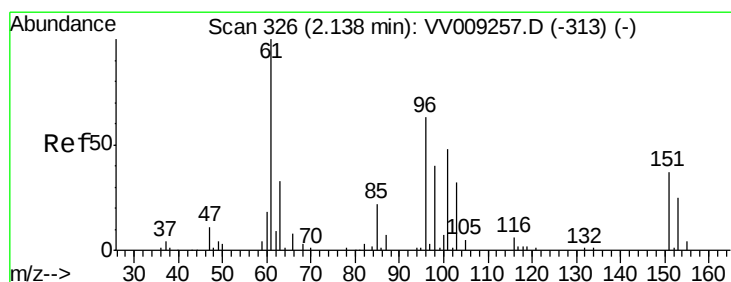
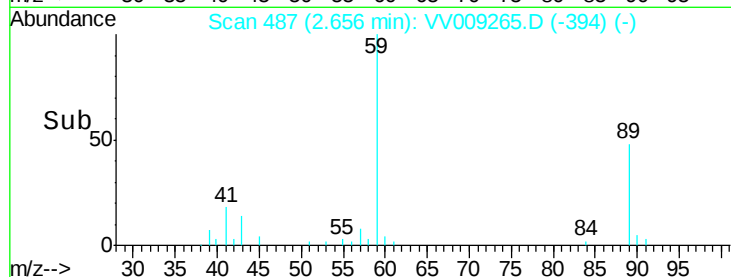
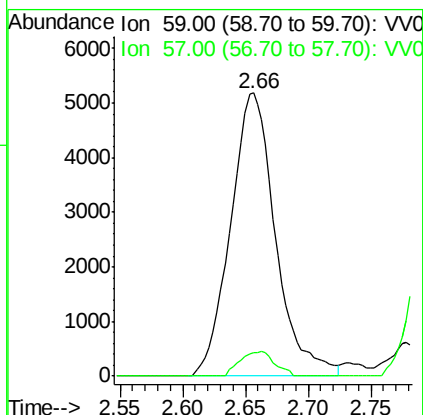
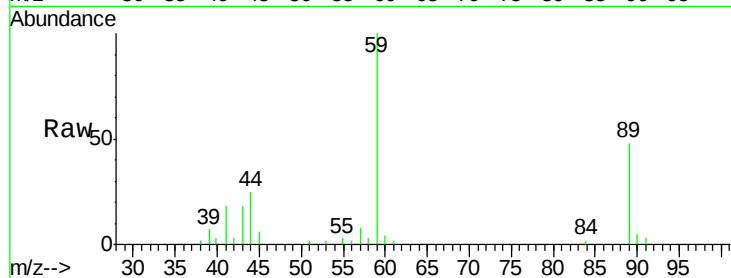


#11

Tert butyl alcohol
 Concen: 165.540 ug/l
 RT: 2.66 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

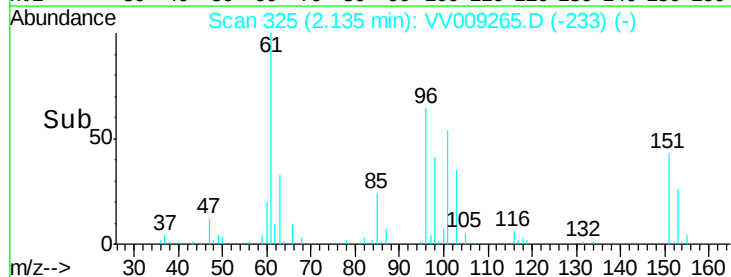
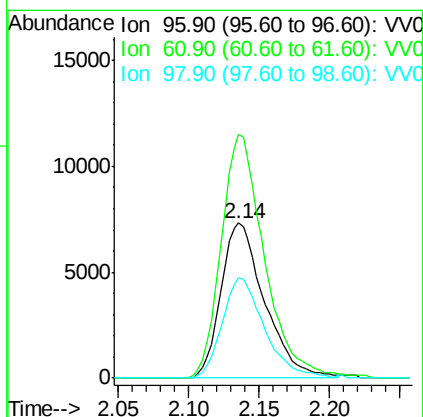
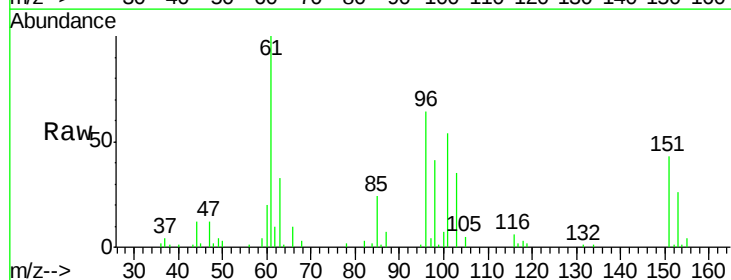
Tot Ion: 59 Resp: 12930
 Ion Ratio Lower Upper
 59 100
 57 6.8 7.0 10.4#

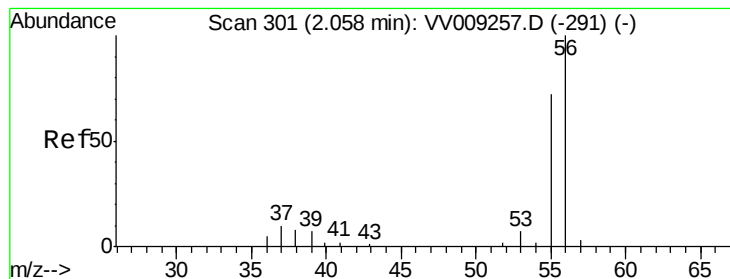


#12

1,1-Dichloroethene
 Concen: 20.554 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 96 Resp: 15801
 Ion Ratio Lower Upper
 96 100
 61 157.2 127.2 190.8
 98 64.8 51.5 77.3





#13

Acrolein

Concen: 121.004 ug/l

RT: 2.05 min Scan# 300

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

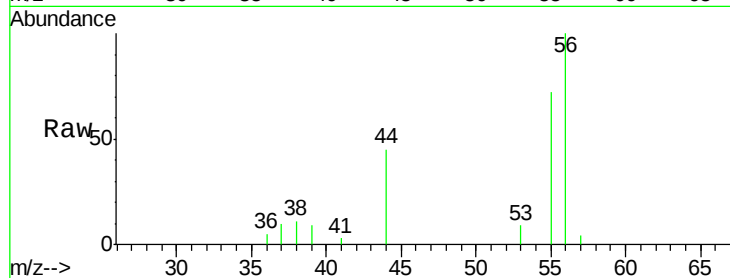
VV0124SBS01

Tot Ion: 56 Resp: 5382

Ion Ratio Lower Upper

56 100

55 70.8 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

2.05

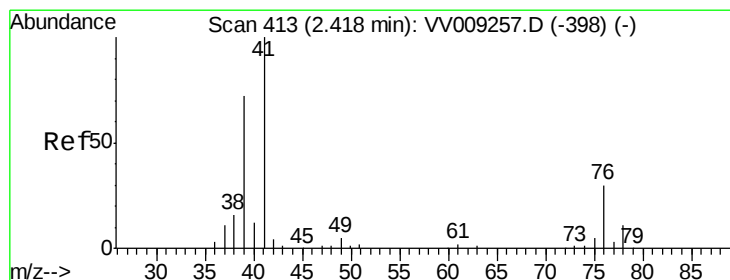
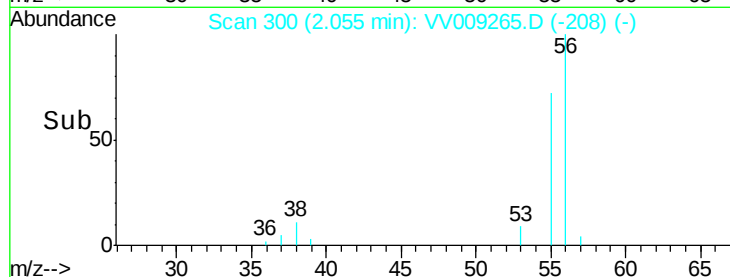
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 20.300 ug/l

RT: 2.42 min Scan# 413

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

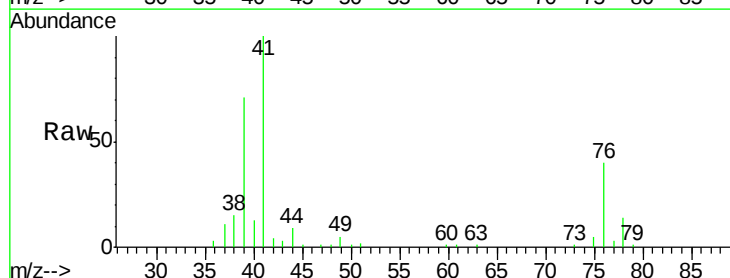
Tgt Ion: 41 Resp: 23310

Ion Ratio Lower Upper

41 100

39 69.8 56.4 84.6

76 38.5 30.6 46.0



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

2.42

25000

20000

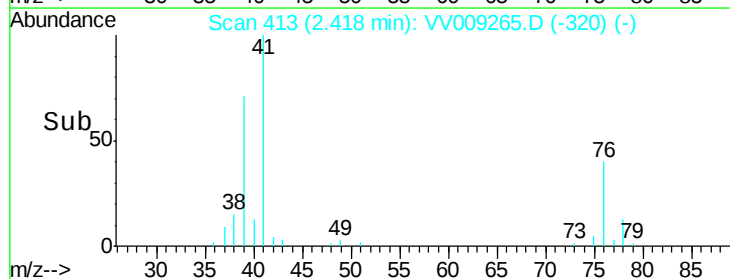
15000

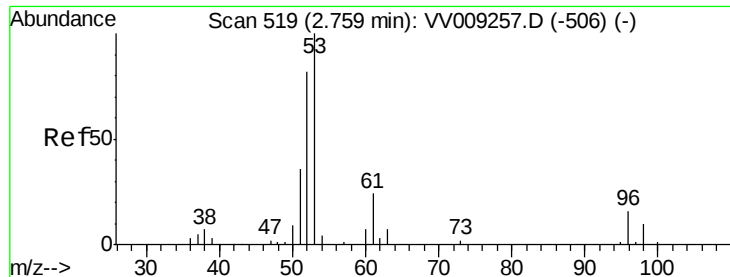
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 119.378 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

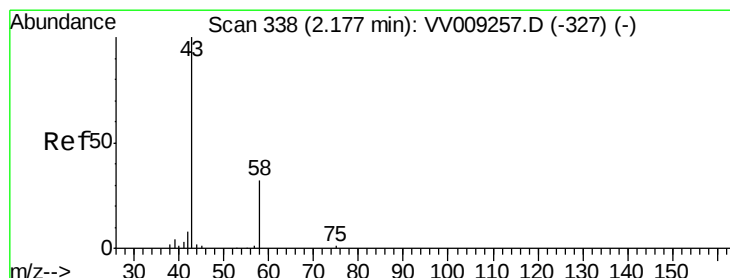
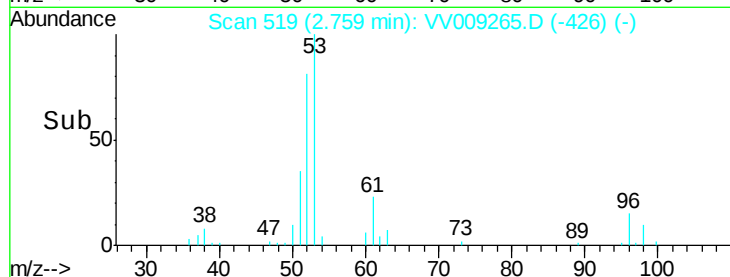
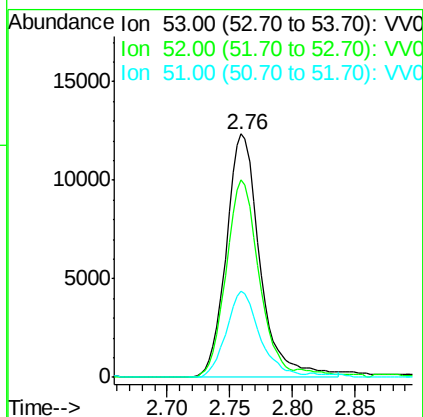
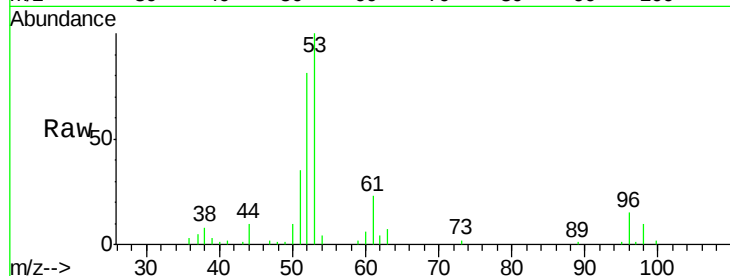
Tot Ion: 53 Resp: 23133

Ion Ratio Lower Upper

53 100

52 78.6 67.2 100.8

51 35.3 29.7 44.5



#16

Acetone

Concen: 97.027 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009265.D

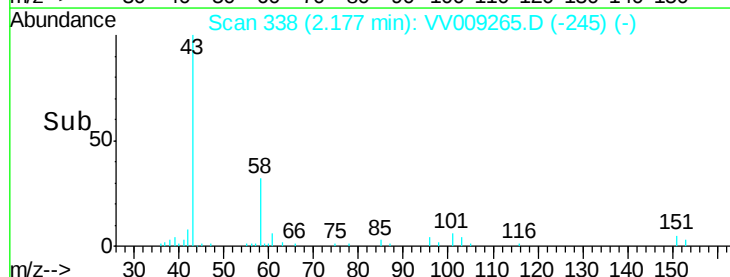
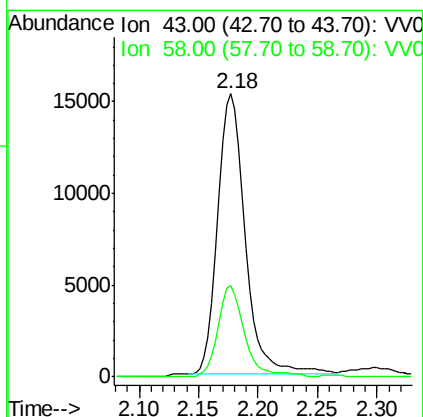
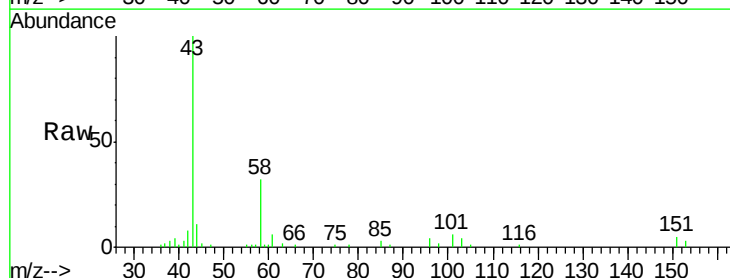
Acq: 24 Jan 2019 18:26

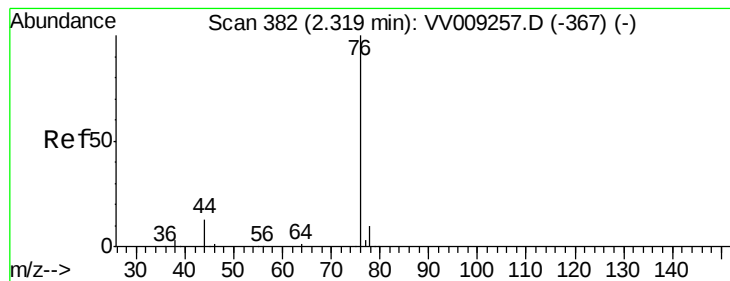
Tgt Ion: 43 Resp: 24734

Ion Ratio Lower Upper

43 100

58 32.4 25.8 38.6





#17

Carbon Disulfide

Concen: 19.990 ug/l

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

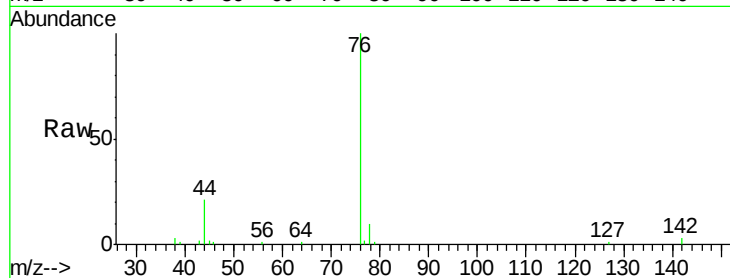
VV0124SBSD01

Tot Ion: 76 Resp: 43143

Ion Ratio Lower Upper

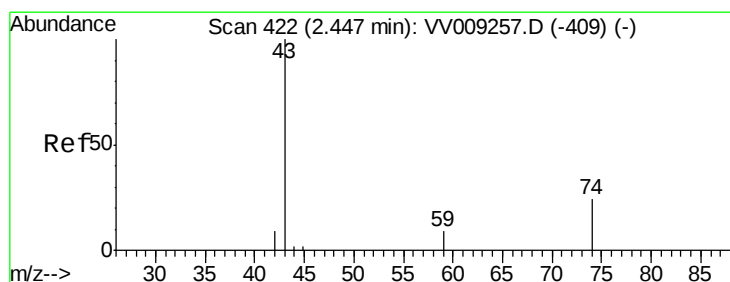
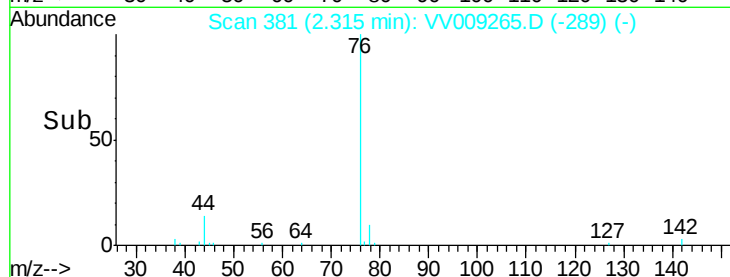
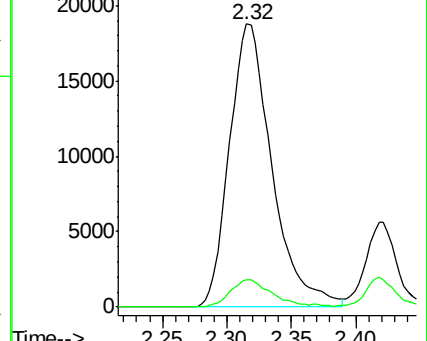
76 100

78 9.7 7.9 11.9



Abundance Ion 75.90 (75.60 to 76.60): VV009257.D (-367) (-)

Ion 77.90 (77.60 to 78.60): VV009257.D (-367) (-)



#18

Methyl Acetate

Concen: 25.871 ug/l

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV009265.D

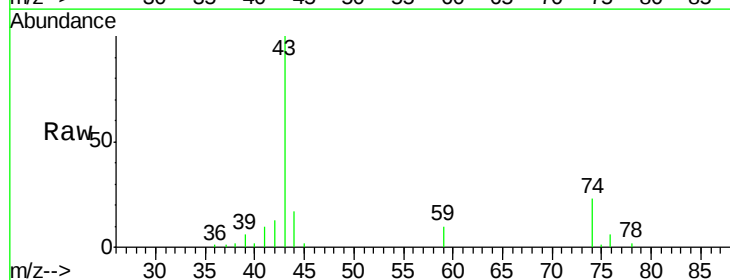
Acq: 24 Jan 2019 18:26

Tgt Ion: 43 Resp: 16511

Ion Ratio Lower Upper

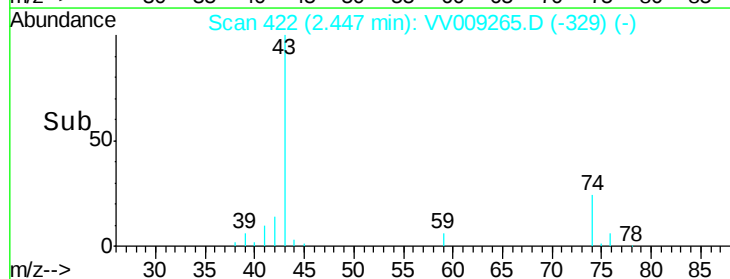
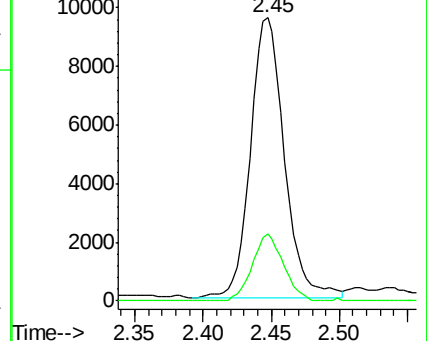
43 100

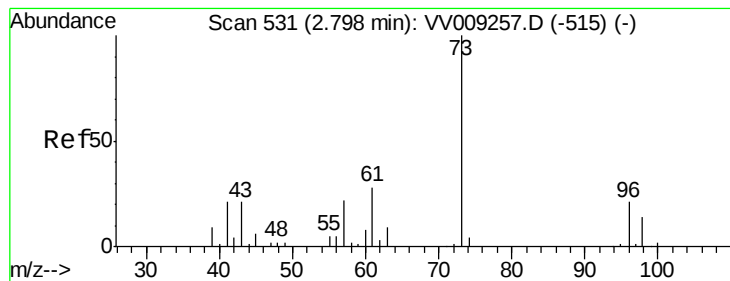
74 21.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-409) (-)

Ion 74.00 (73.70 to 74.70): VV009257.D (-409) (-)



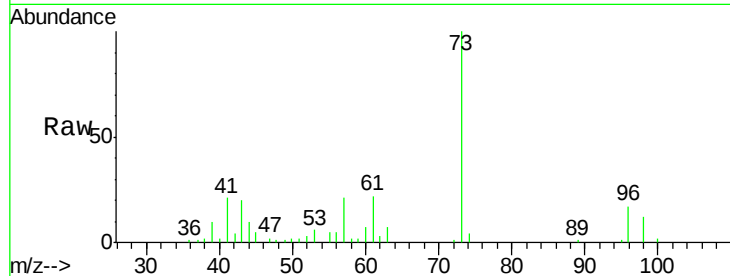


#19

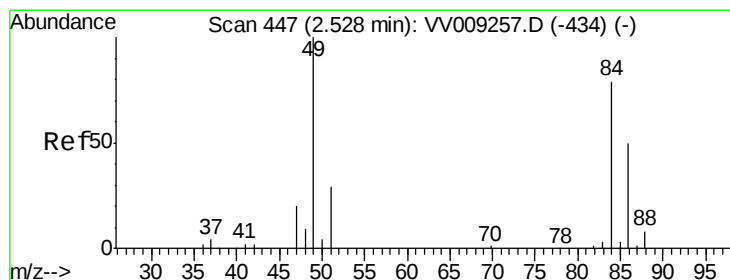
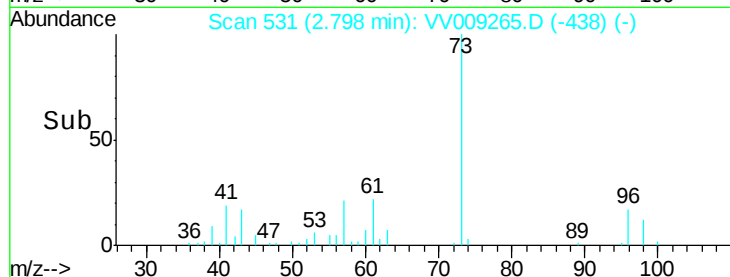
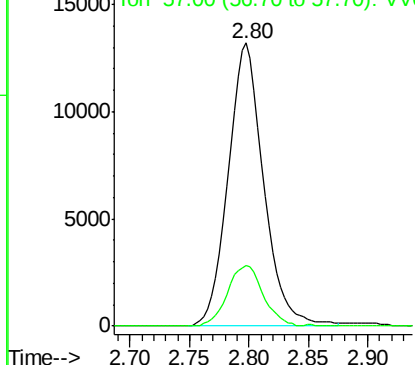
Methyl tert-butyl Ether
 Concen: 22.673 ug/l
 RT: 2.80 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion: 73 Resp: 27285
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.3 25.9



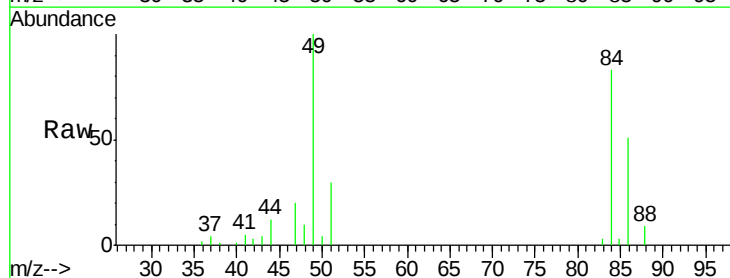
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



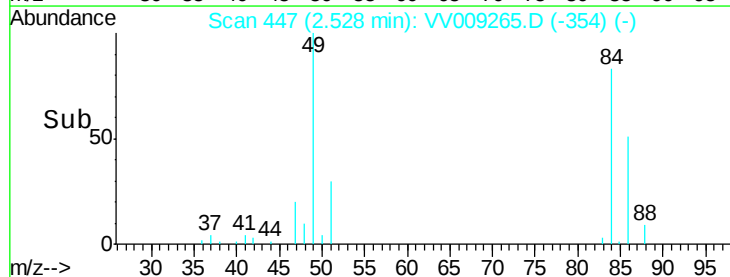
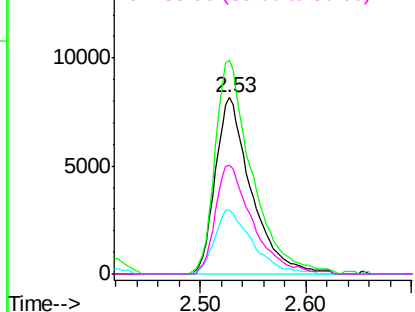
#20

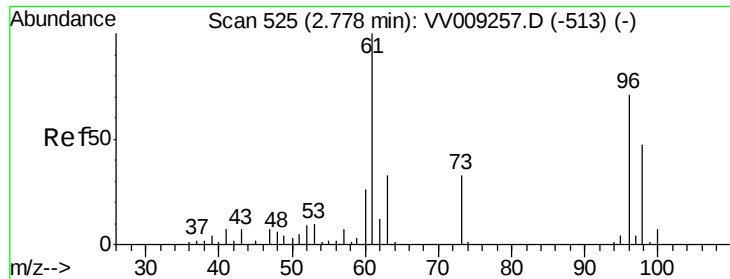
Methylene Chloride
 Concen: 22.414 ug/l
 RT: 2.53 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 84 Resp: 19378
 Ion Ratio Lower Upper
 84 100
 49 121.0 101.5 152.3
 51 35.9 29.6 44.4
 86 61.5 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VV0
 Ion 48.90 (48.60 to 49.60): VV0
 Ion 50.90 (50.60 to 51.60): VV0
 Ion 85.90 (85.60 to 86.60): VV0





#21

trans-1,2-Dichloroethene

Concen: 20.508 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

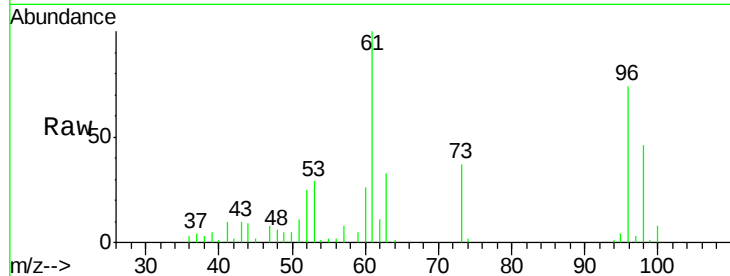
Tot Ion: 96 Resp: 16326

Ion Ratio Lower Upper

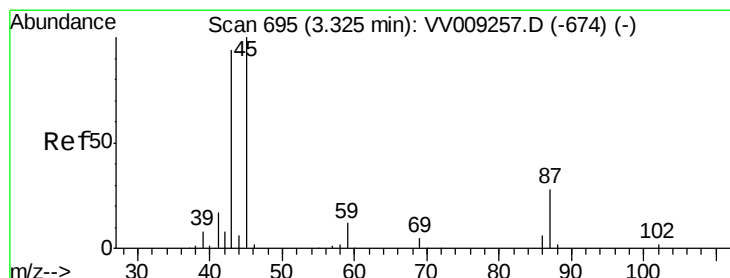
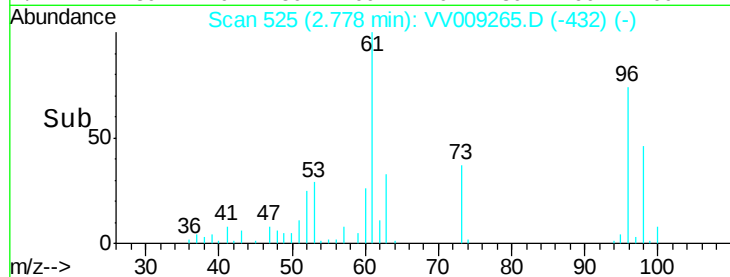
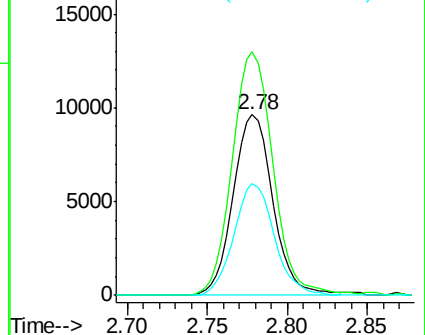
96 100

61 134.7 112.1 168.1

98 61.6 52.8 79.2



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



#22

Diisopropyl ether

Concen: 20.859 ug/l

RT: 3.32 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Tgt Ion: 45 Resp: 57249

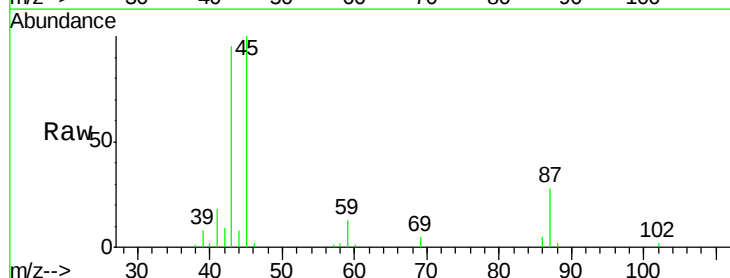
Ion Ratio Lower Upper

45 100

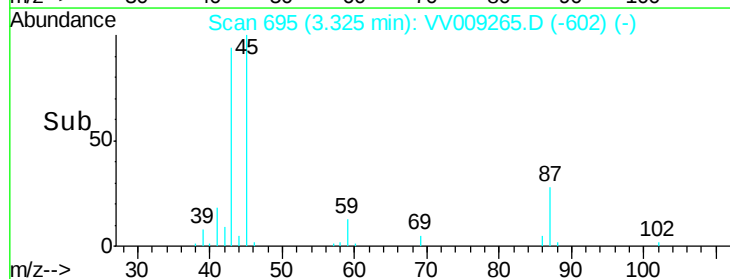
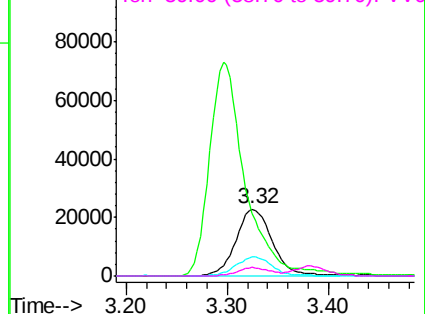
43 90.6 75.3 112.9

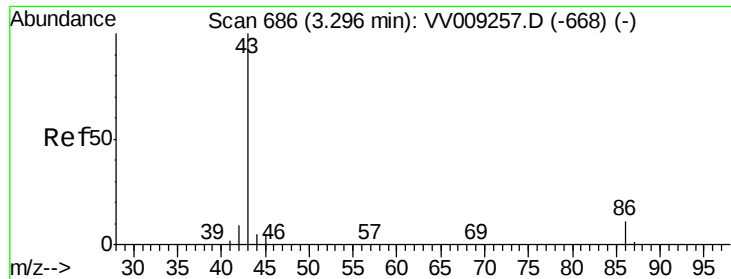
87 28.2 22.4 33.6

59 12.6 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: 107.386 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

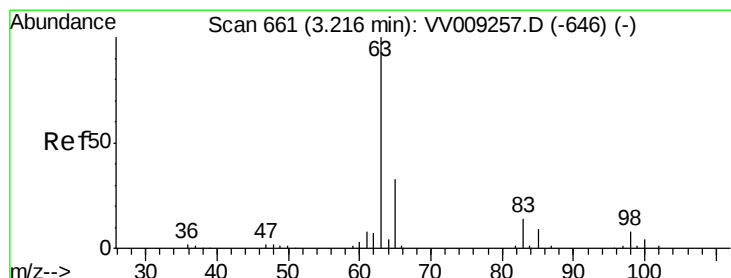
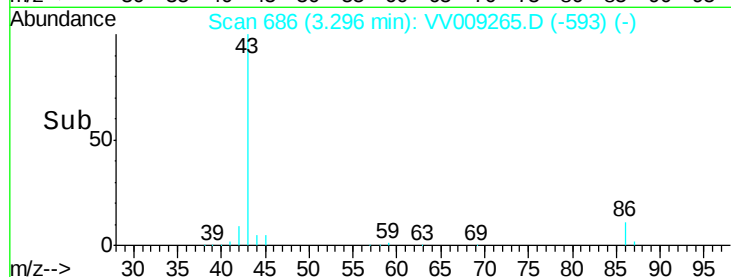
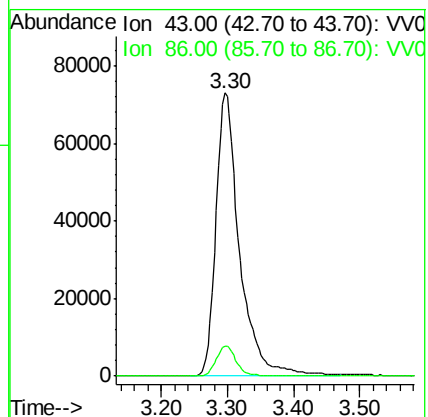
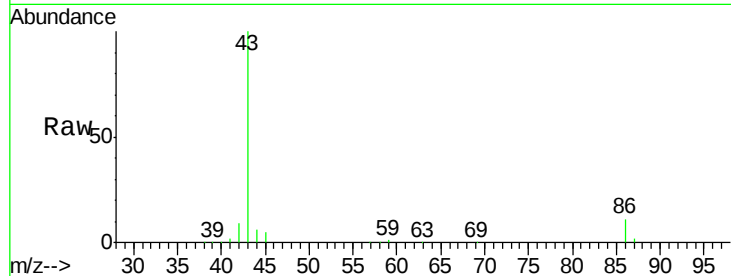
VV0124SBS01

Tot Ion: 43 Resp: 181694

Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7



#24

1,1-Dichloroethane

Concen: 20.425 ug/l

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

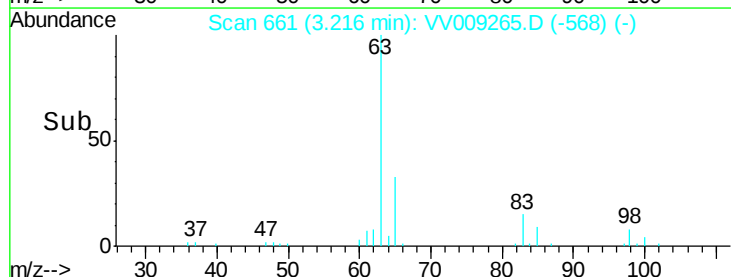
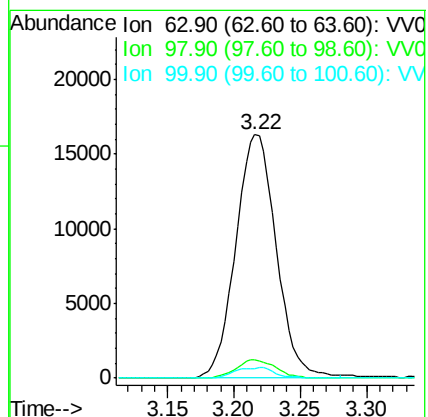
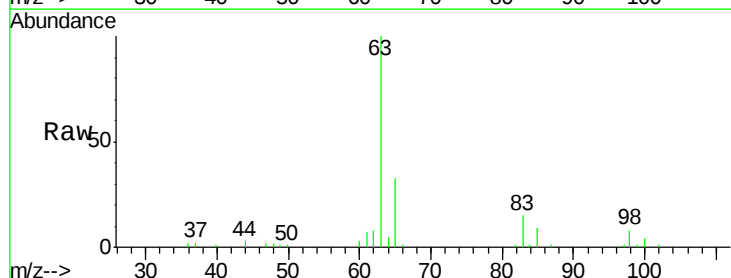
Tgt Ion: 63 Resp: 34620

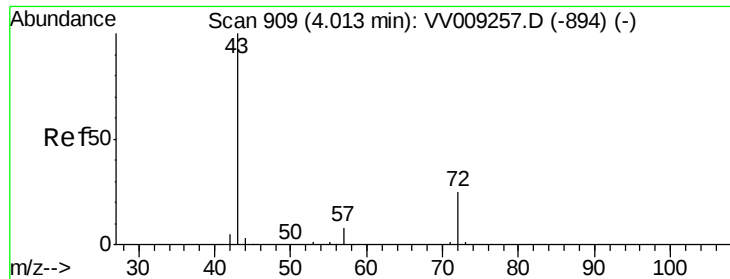
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 107.587 ug/l

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

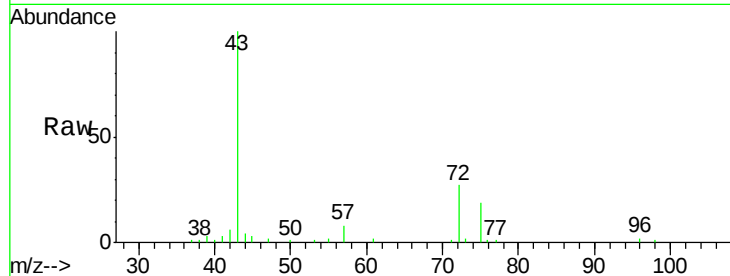
VV0124SBS01

Tot Ion: 43 Resp: 35939

Ion Ratio Lower Upper

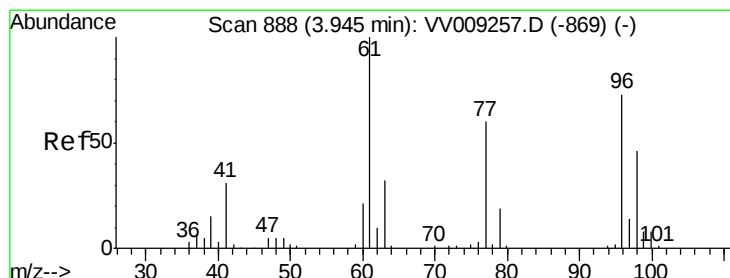
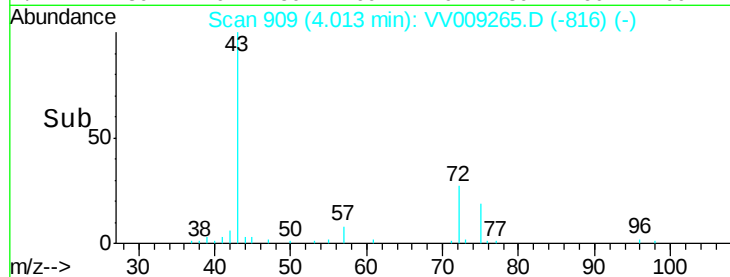
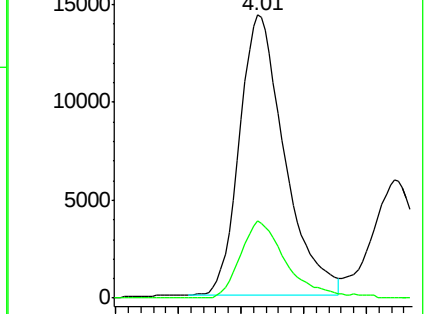
43 100

72 27.4 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#26

2,2-Dichloropropane

Concen: 19.449 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009265.D

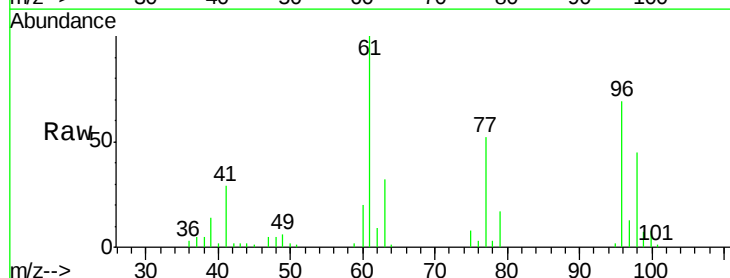
Acq: 24 Jan 2019 18:26

Tgt Ion: 77 Resp: 16717

Ion Ratio Lower Upper

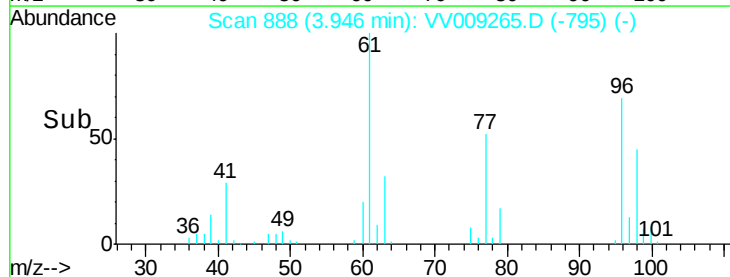
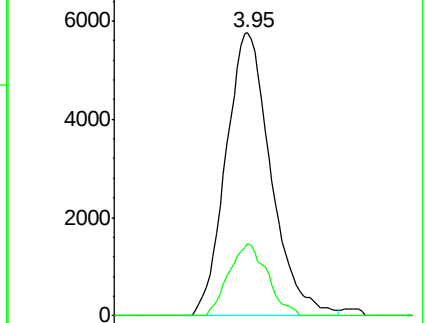
77 100

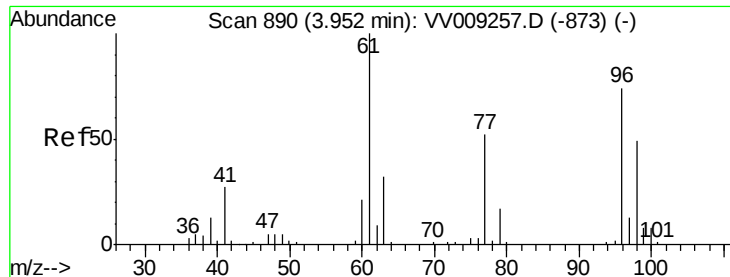
97 21.8 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0



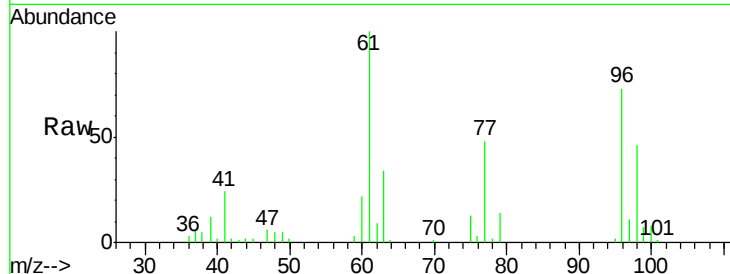


#27

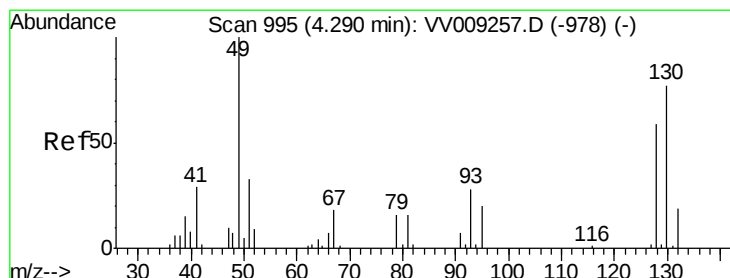
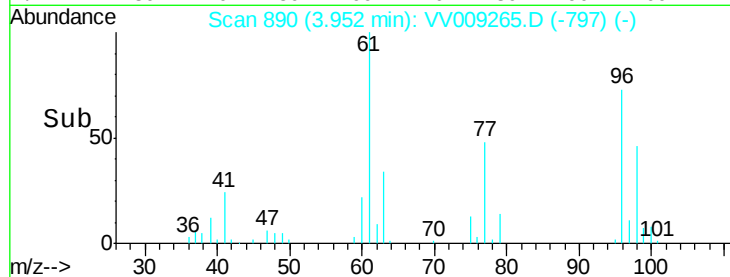
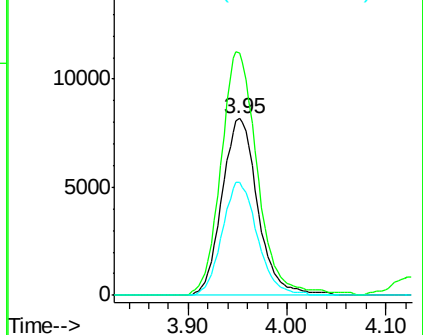
cis-1,2-Dichloroethene
 Concen: 20.537 ug/l
 RT: 3.95 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion: 96 Resp: 20732
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 277.6
 98 63.0 0.0 127.6



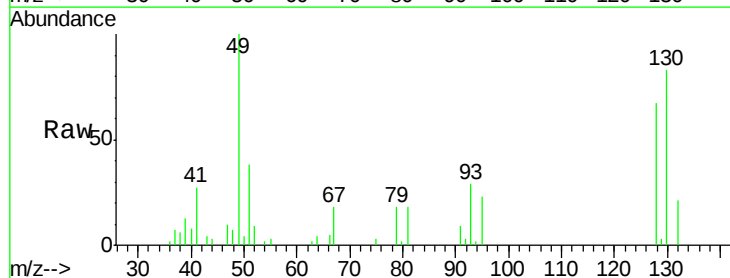
Abundance Ion 95.90 (95.60 to 96.60): VV0
 Ion 60.90 (60.60 to 61.60): VV0
 Ion 97.90 (97.60 to 98.60): VV0



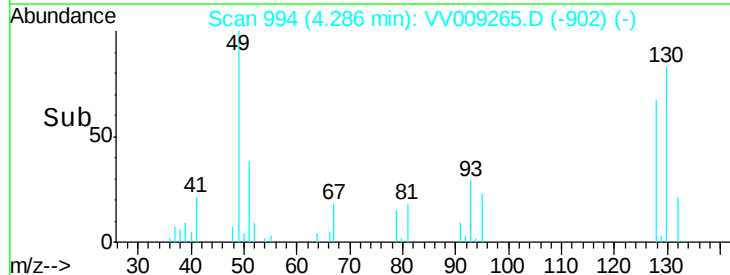
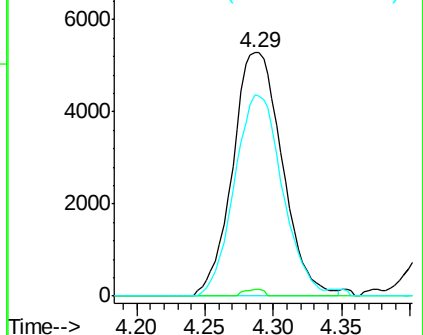
#28

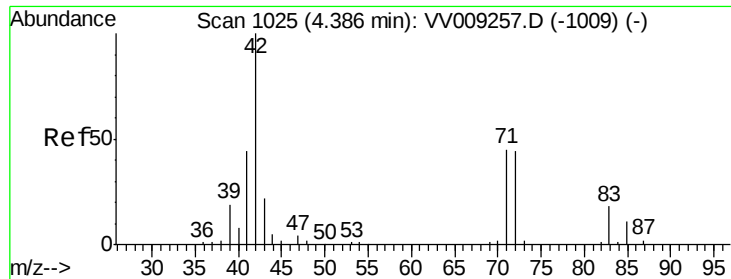
Bromochloromethane
 Concen: 19.597 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 49 Resp: 13326
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 3.6
 130 80.1 63.8 95.8



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

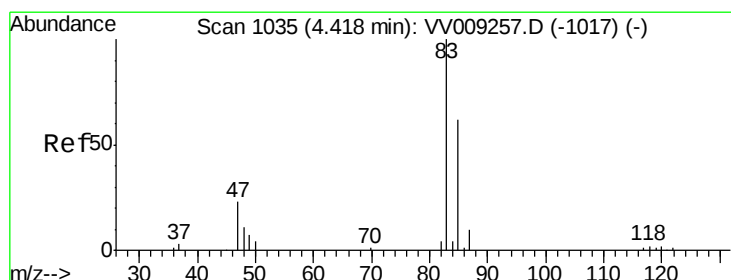
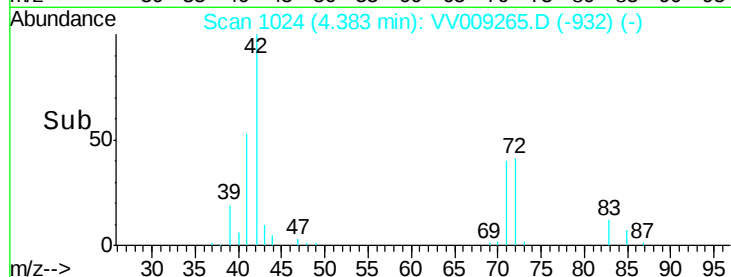
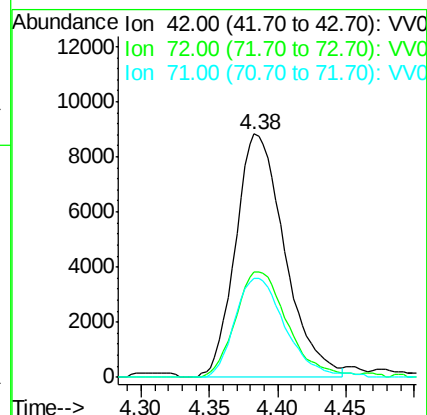
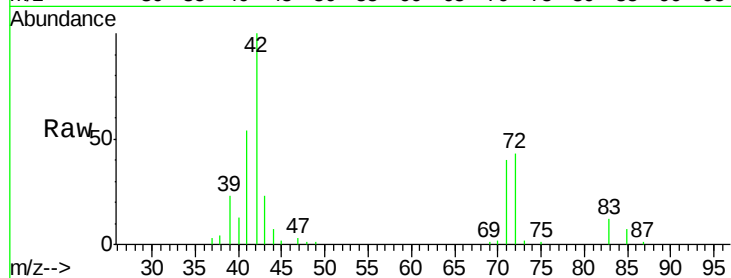




#29
Tetrahydrofuran
Concen: 116.262 ug/l
RT: 4.38 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

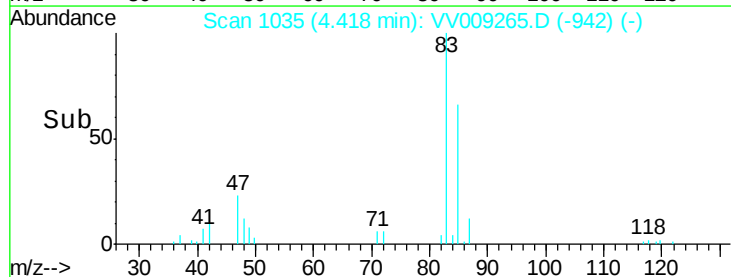
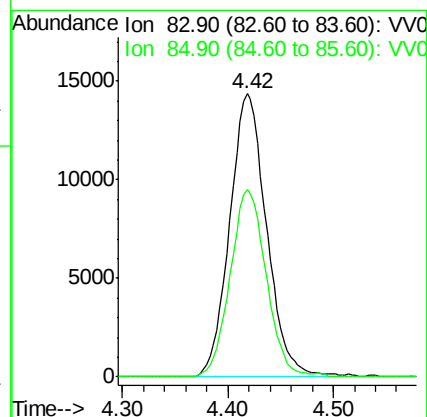
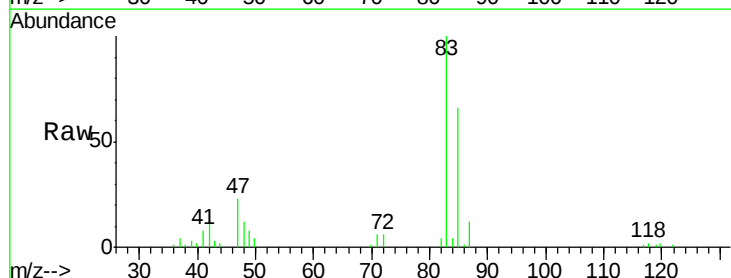
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

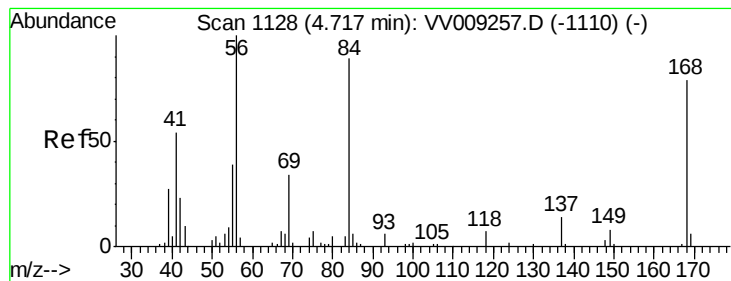
Tot Ion: 42 Resp: 22135
Ion Ratio Lower Upper
42 100
72 45.7 36.0 54.0
71 41.9 33.3 49.9



#30
Chloroform
Concen: 20.450 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion: 83 Resp: 34830
Ion Ratio Lower Upper
83 100
85 66.0 49.9 74.9





#31

Cyclohexane

Concen: 19.993 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

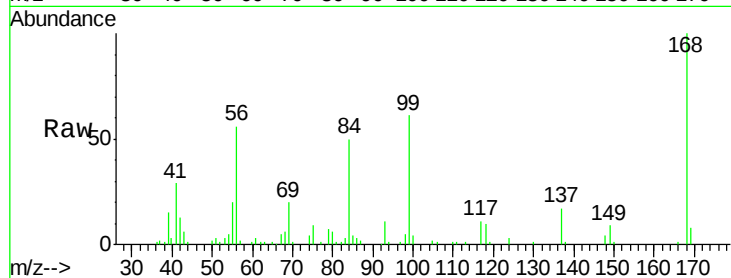
Tot Ion: 56 Resp: 31241

Ion Ratio Lower Upper

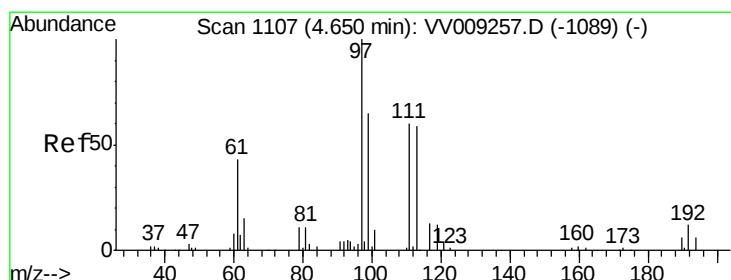
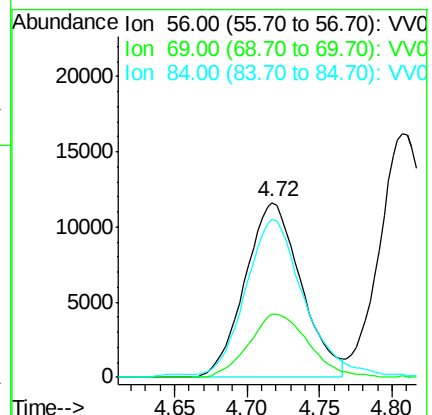
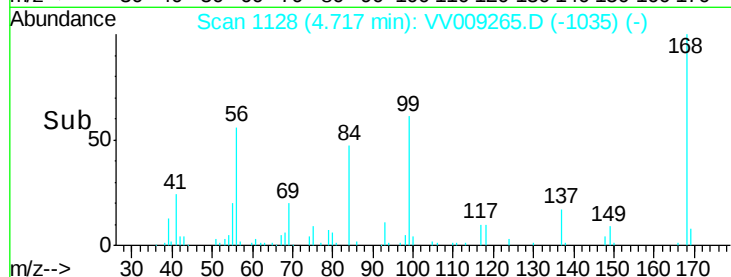
56 100

69 36.0 27.5 41.3

84 89.0 70.9 106.3



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: 20.339 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

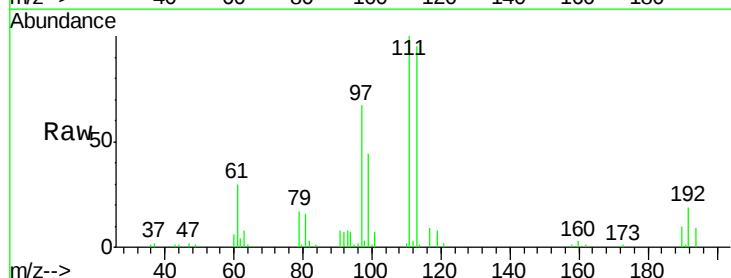
Tgt Ion: 97 Resp: 26932

Ion Ratio Lower Upper

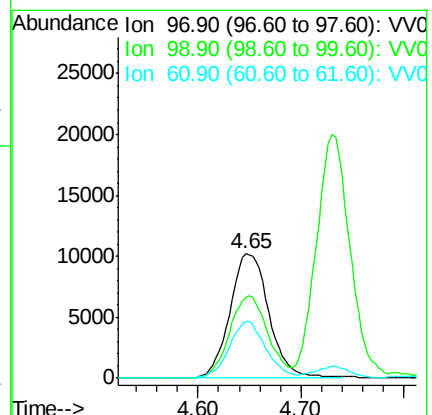
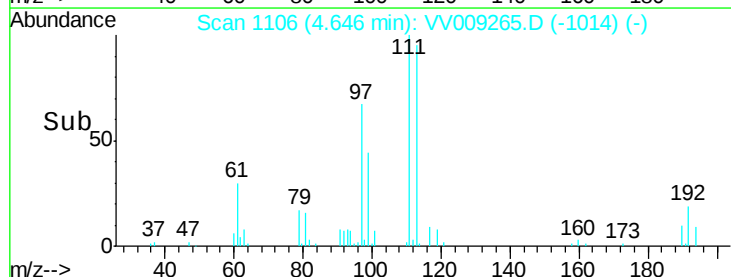
97 100

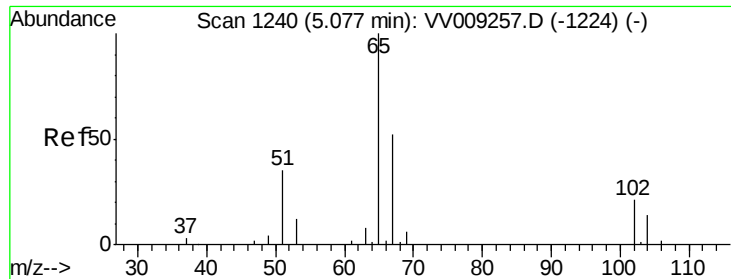
99 64.4 49.8 74.8

61 42.8 33.4 50.0



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

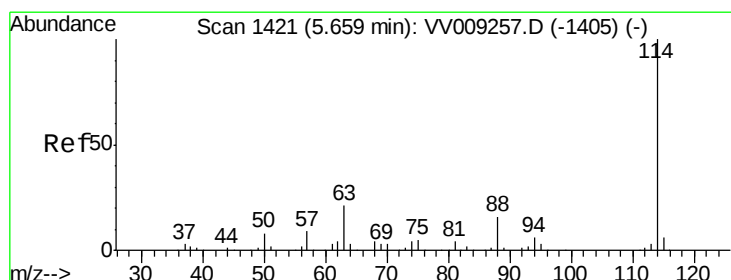
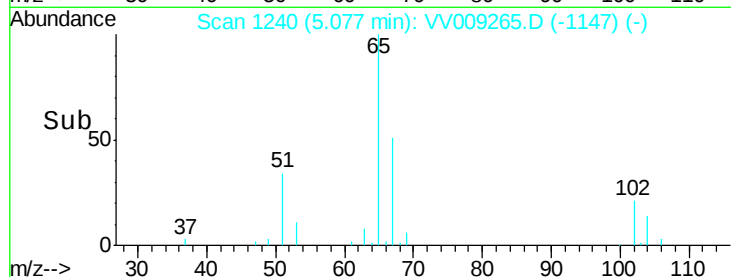
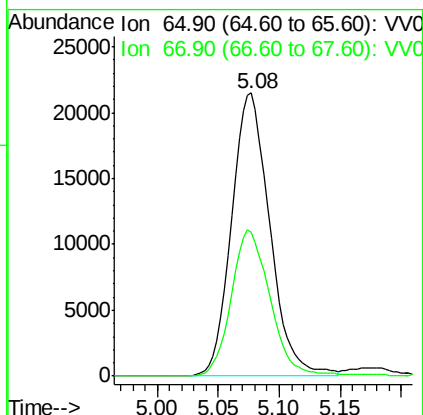
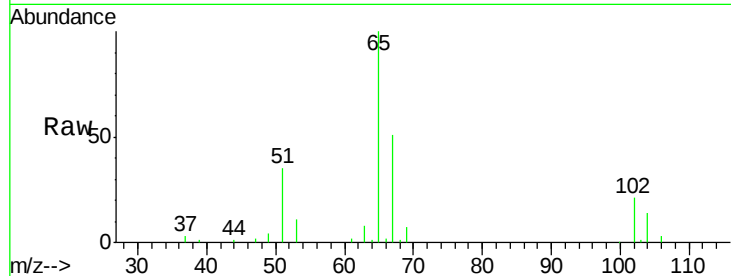




#33
 1,2-Dichloroethane-d4
 Concen: 50.299 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

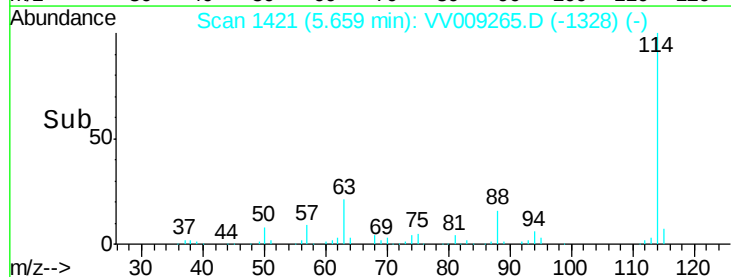
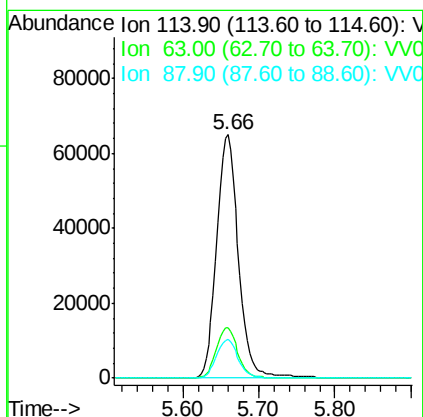
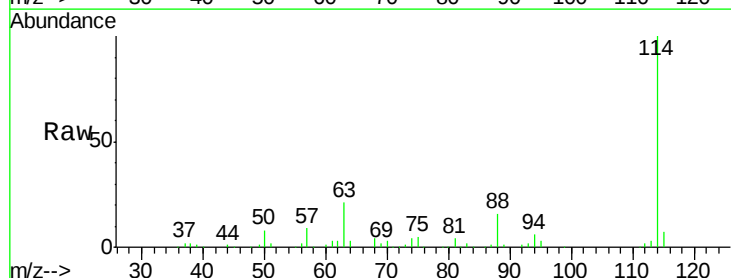
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBSD01

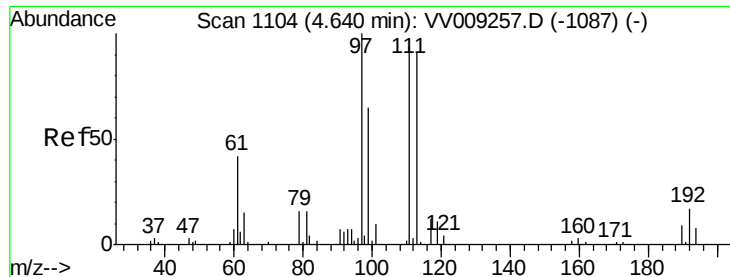
Tot Ion: 65 Resp: 46808
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 114 Resp: 129704
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.841 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBSD01

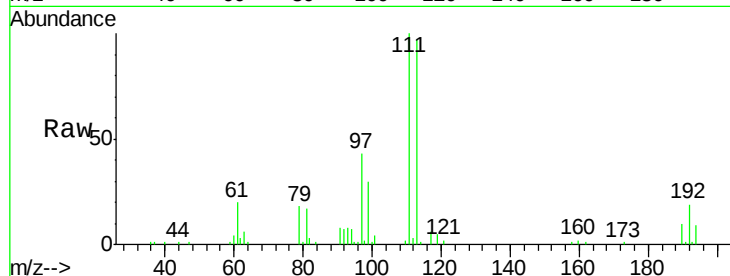
Tot Ion:113 Resp: 41796

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

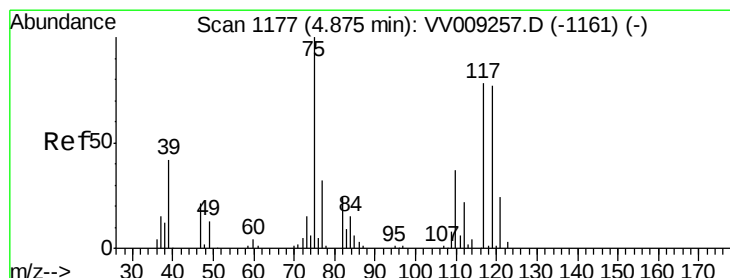
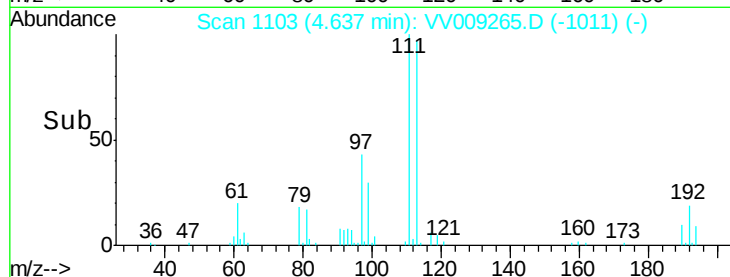
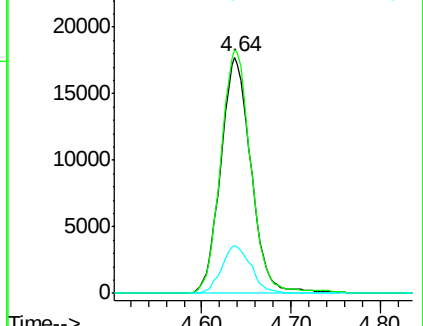
192 19.4 15.0 22.6



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: 20.140 ug/l

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

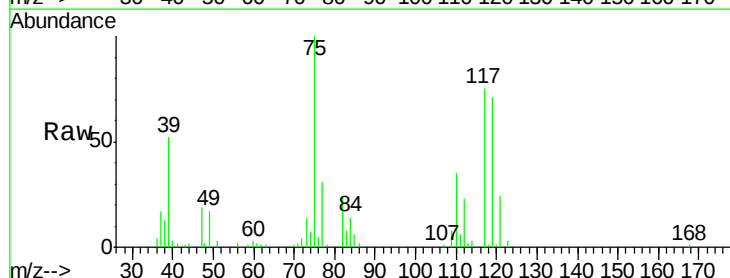
Tgt Ion: 75 Resp: 26156

Ion Ratio Lower Upper

75 100

110 34.9 17.6 52.9

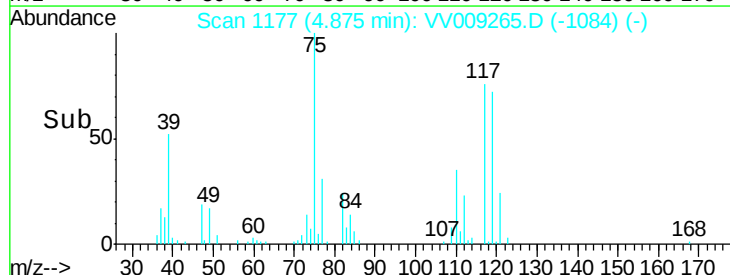
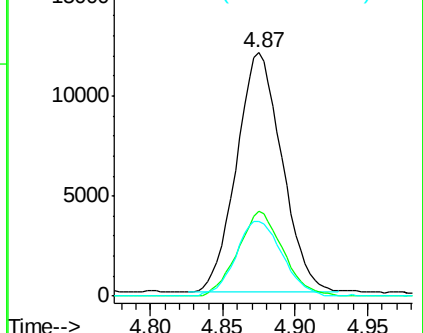
77 31.8 25.5 38.3

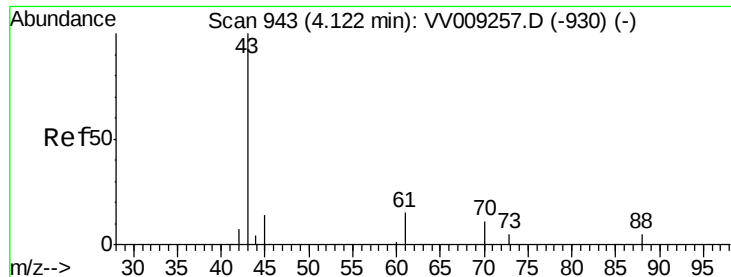


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0

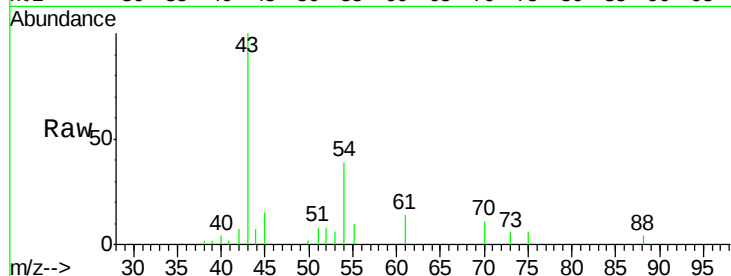




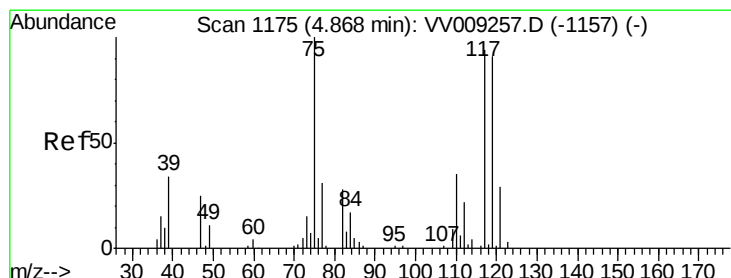
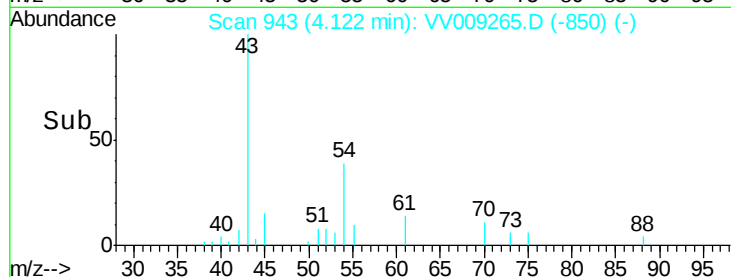
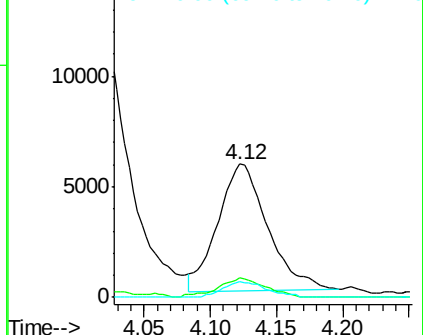
#37
Ethyl Acetate
Concen: 20.848 ug/l
RT: 4.12 min Scan# 943
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion: 43 Resp: 14883
Ion Ratio Lower Upper
43 100
61 14.6 10.6 15.8
70 10.8 8.0 12.0

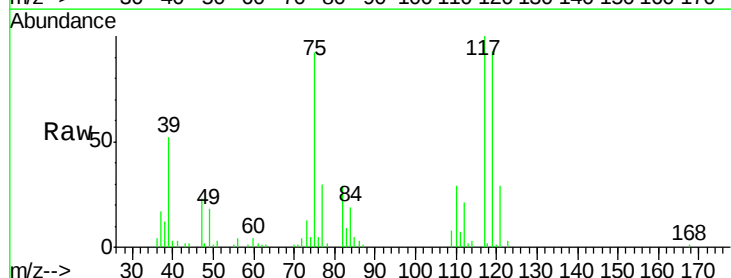


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 60.90 (60.60 to 61.60): VV0
Ion 70.00 (69.70 to 70.70): VV0

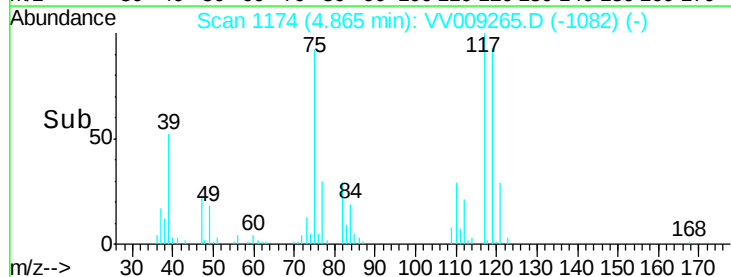
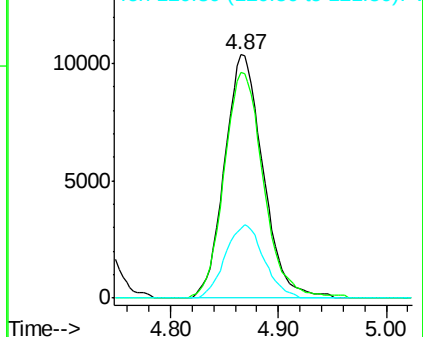


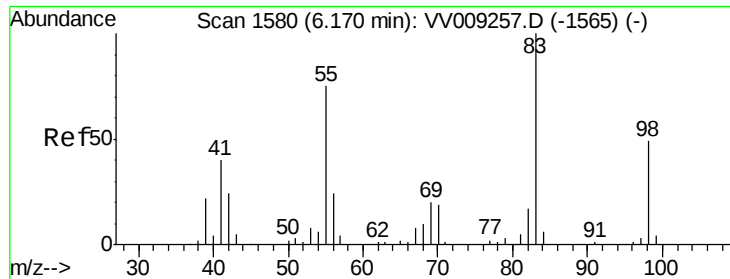
#38
Carbon Tetrachloride
Concen: 20.003 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion: 117 Resp: 25690
Ion Ratio Lower Upper
117 100
119 92.5 77.4 116.2
121 28.8 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

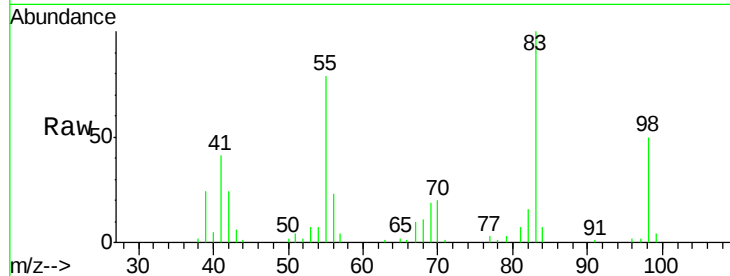




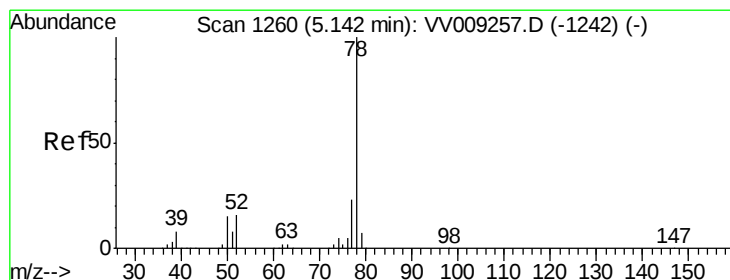
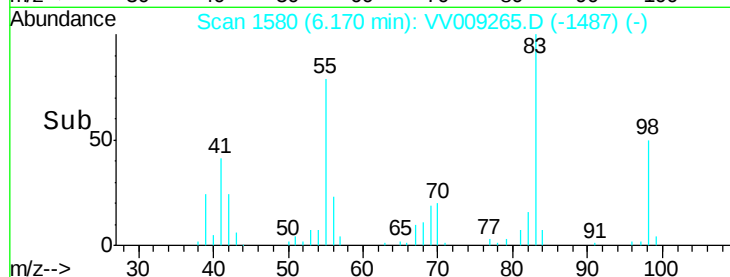
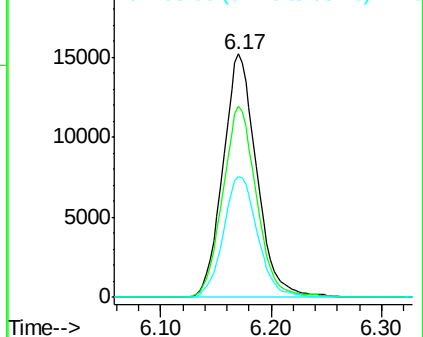
#39
Methvlcvclohexane
Concen: 19.775 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBSD01

Tot Ion: 83 Resp: 32186
Ion Ratio Lower Upper
83 100
55 78.6 60.1 90.1
98 49.6 39.2 58.8

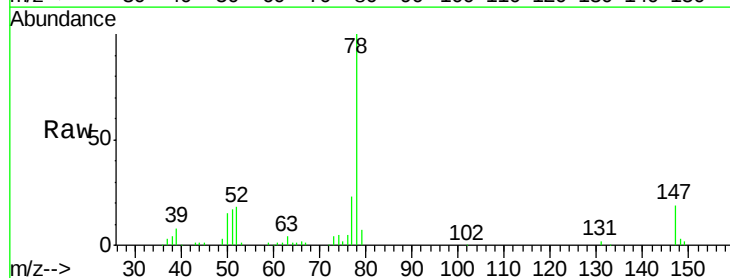


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

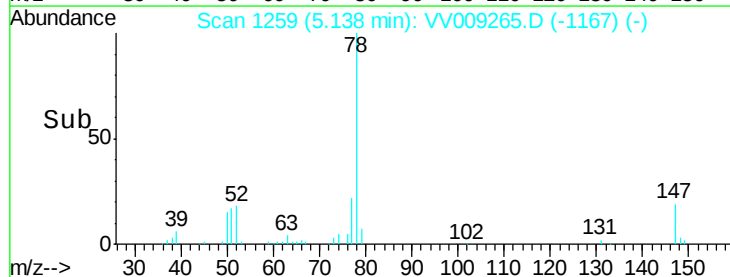
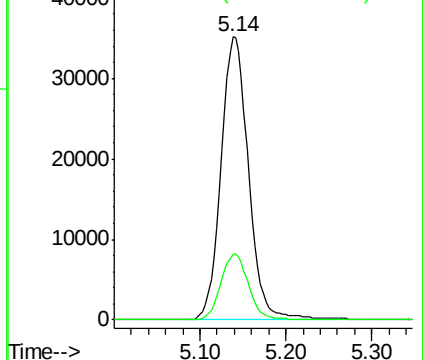


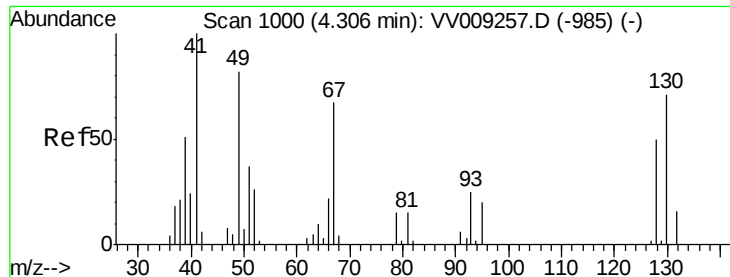
#40
Benzene
Concen: 20.452 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion: 78 Resp: 78253
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8



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

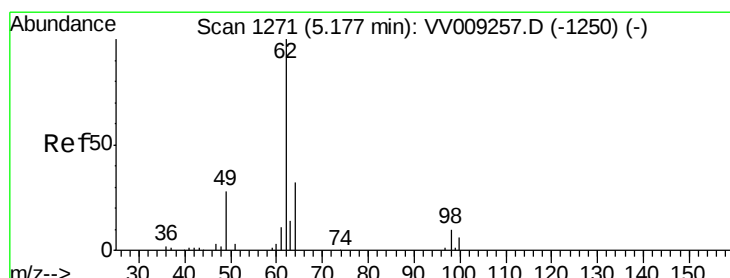
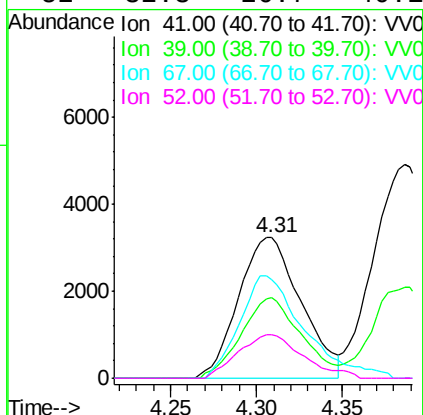
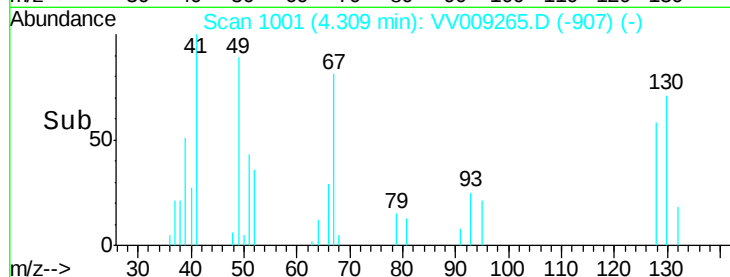
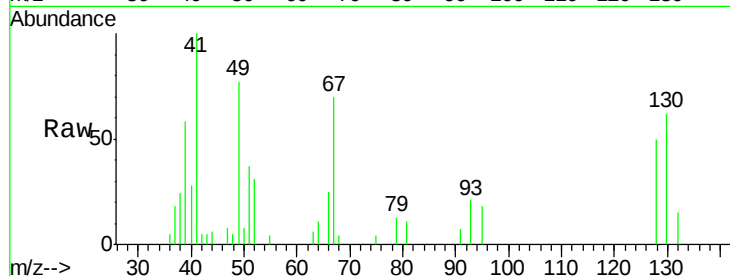




#41
Methacrylonitrile
Concen: 21.539 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

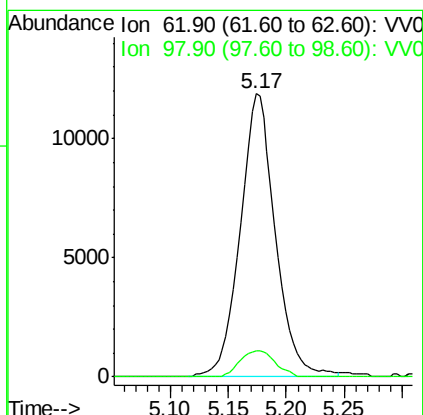
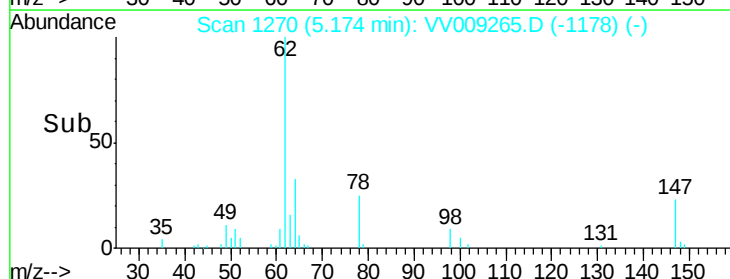
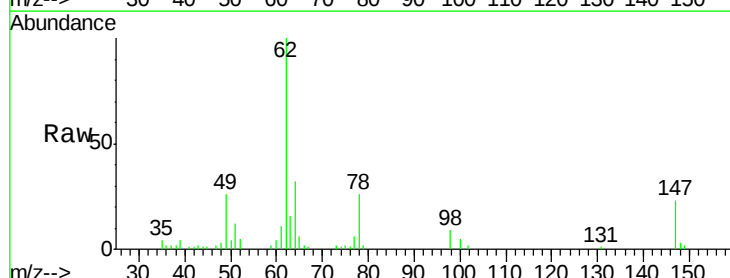
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

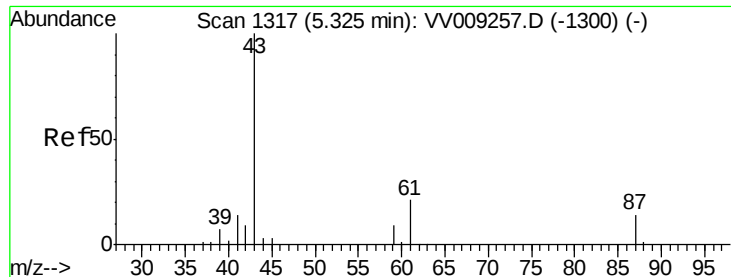
Tot Ion: 41 Resp: 8150
Ion Ratio Lower Upper
41 100
39 55.0 42.3 63.5
67 75.1 57.4 86.2
52 32.3 26.7 40.1



#42
1,2-Dichloroethane
Concen: 21.030 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion: 62 Resp: 25020
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.2





#43

Isopropyl Acetate

Concen: 21.344 ug/l

RT: 5.33 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

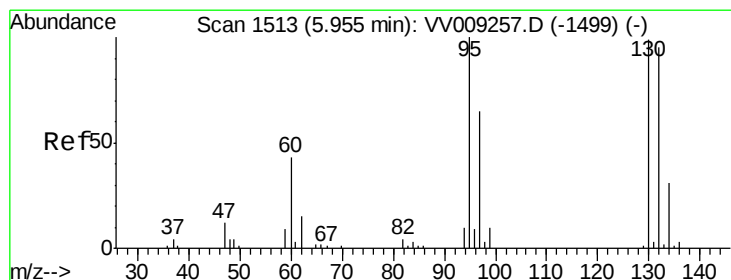
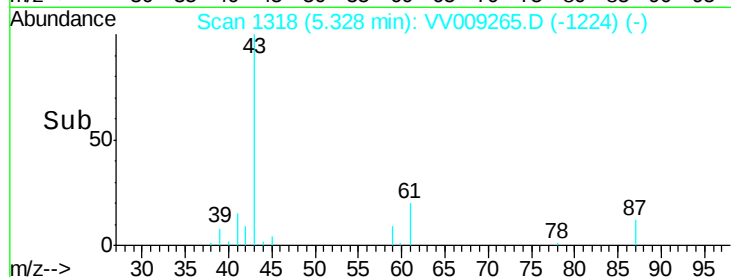
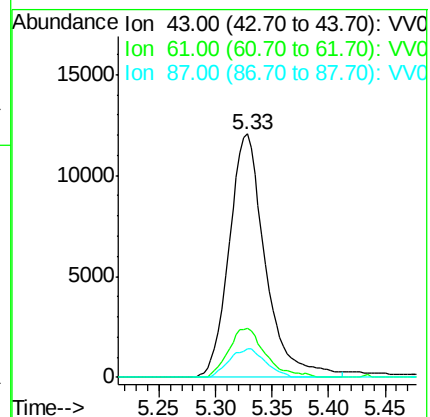
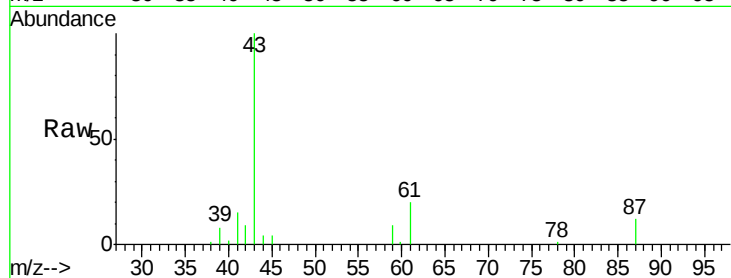
Tot Ion: 43 Resp: 26853

Ion Ratio Lower Upper

43 100

61 20.6 15.8 23.6

87 11.6 10.1 15.1



#44

Trichloroethene

Concen: 20.659 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009265.D

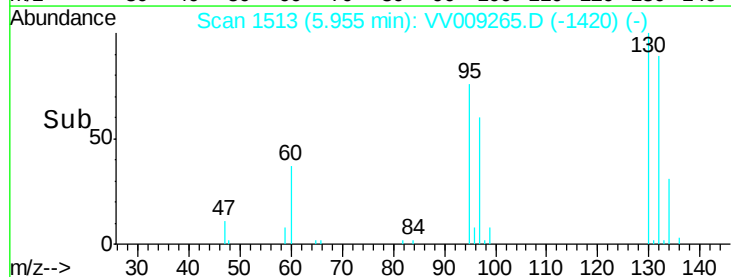
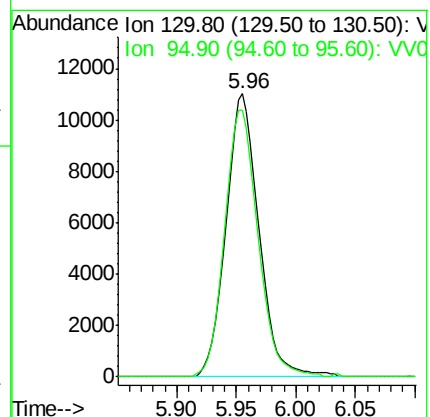
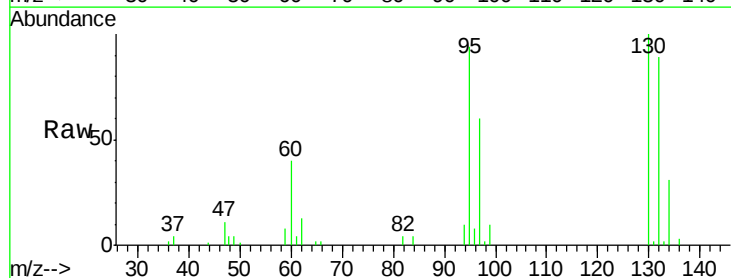
Acq: 24 Jan 2019 18:26

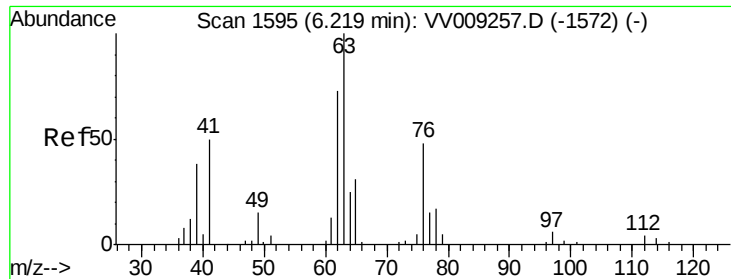
Tgt Ion: 130 Resp: 21095

Ion Ratio Lower Upper

130 100

95 94.3 0.0 201.4





#45

1,2-Dichloropropane

Concen: 19.785 ug/l

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

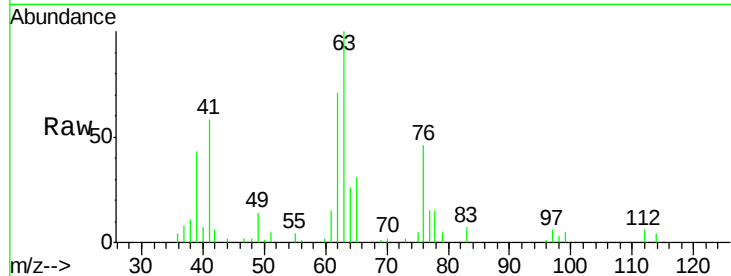
VV0124SBSD01

Tot Ion: 63 Resp: 18636

Ion Ratio Lower Upper

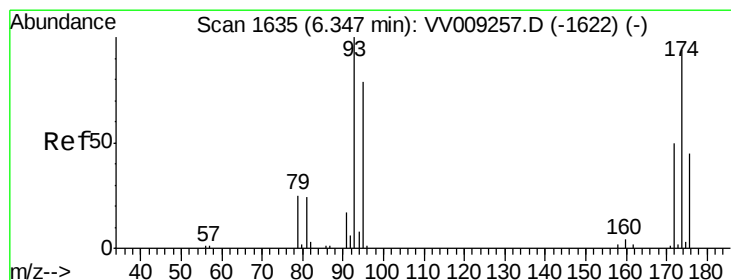
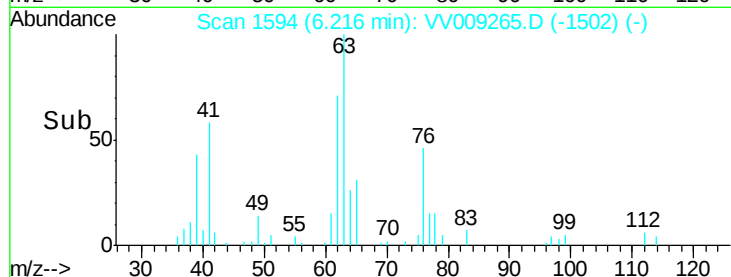
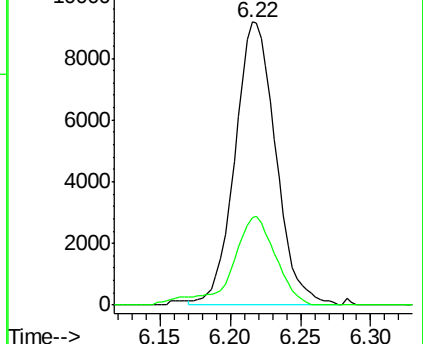
63 100

65 30.8 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 64.90 (64.60 to 65.60): VV0



#46

Dibromomethane

Concen: 21.119 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

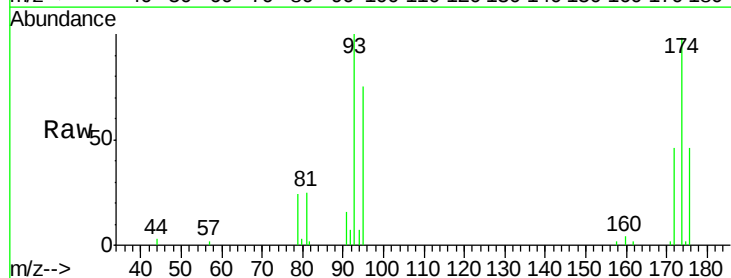
Tgt Ion: 93 Resp: 11144

Ion Ratio Lower Upper

93 100

95 80.6 65.3 97.9

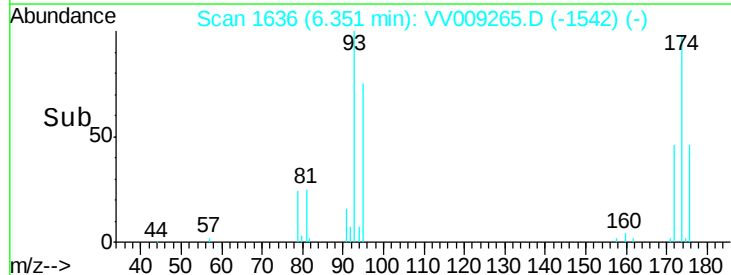
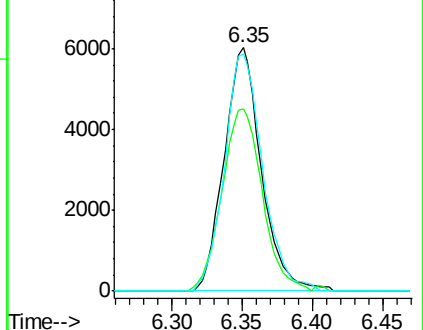
174 99.6 77.0 115.4

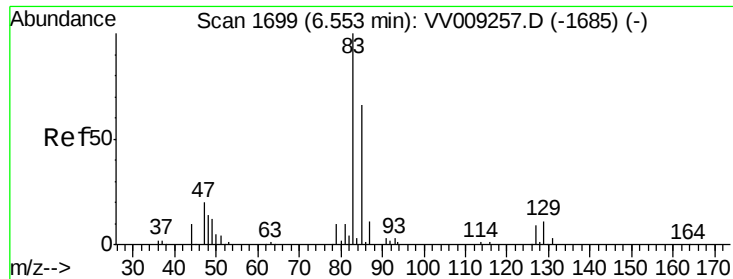


Abundance Ion 92.80 (92.50 to 93.50): VV0

Ion 94.80 (94.50 to 95.50): VV0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.236 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

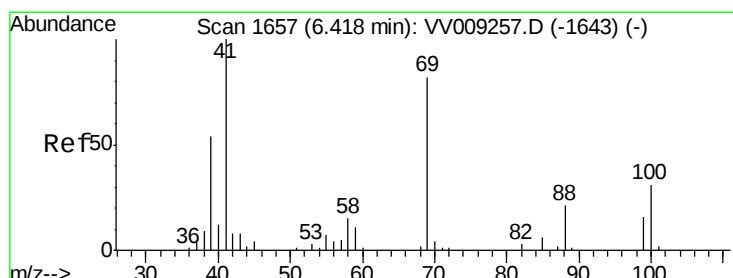
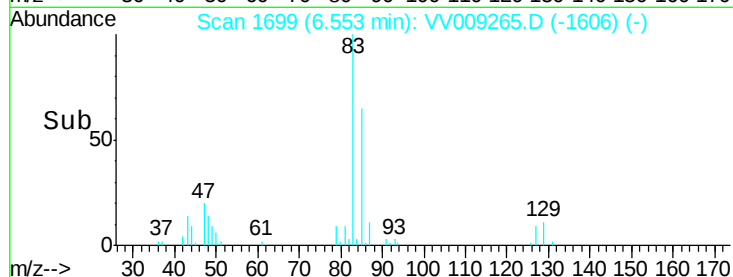
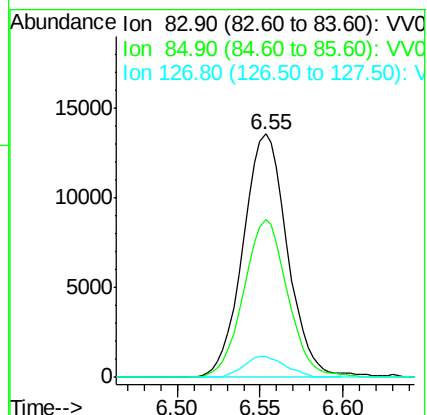
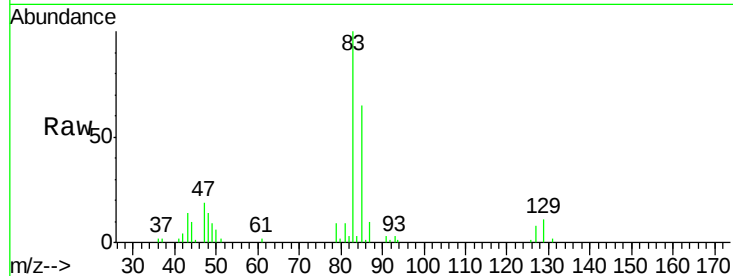
Tot Ion: 83 Resp: 25117

Ion Ratio Lower Upper

83 100

85 64.7 52.6 79.0

127 8.5 7.0 10.6



#48

Methyl methacrylate

Concen: 21.473 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

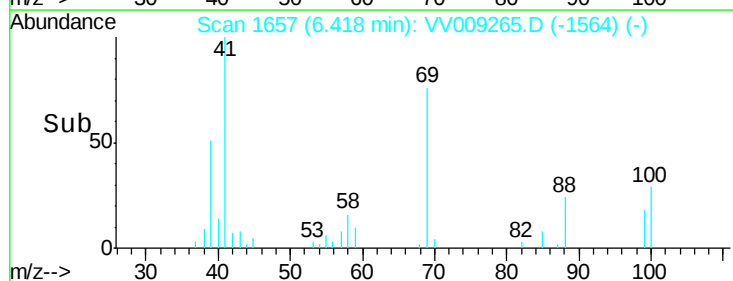
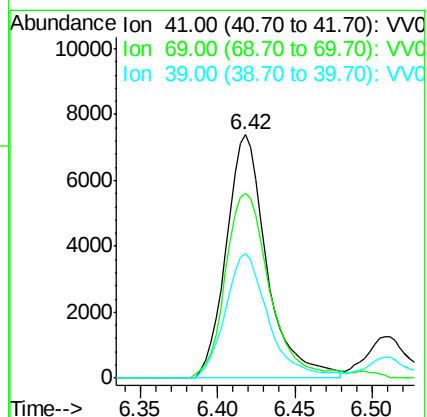
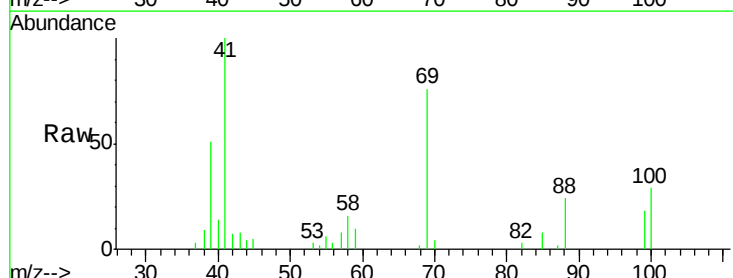
Tgt Ion: 41 Resp: 13401

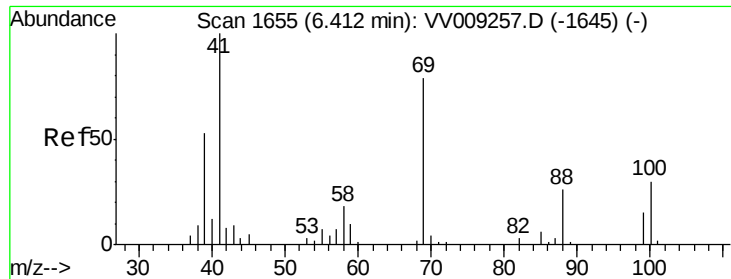
Ion Ratio Lower Upper

41 100

69 81.9 68.6 103.0

39 54.4 43.2 64.8

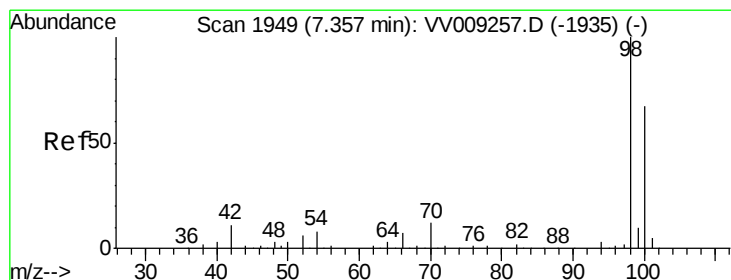
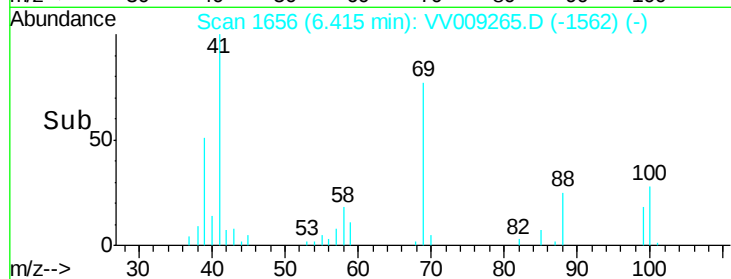
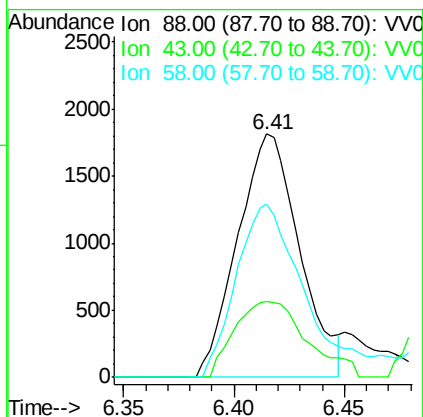
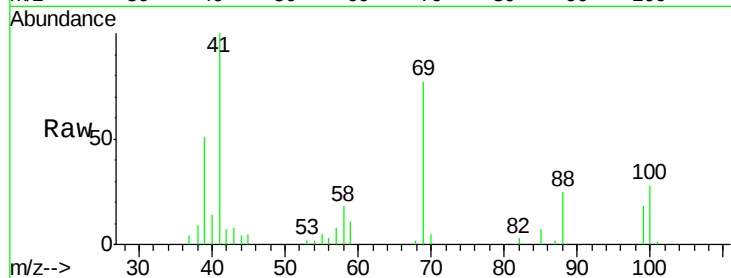




#49
1,4-Dioxane
Concen: 426.687 ug/l
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

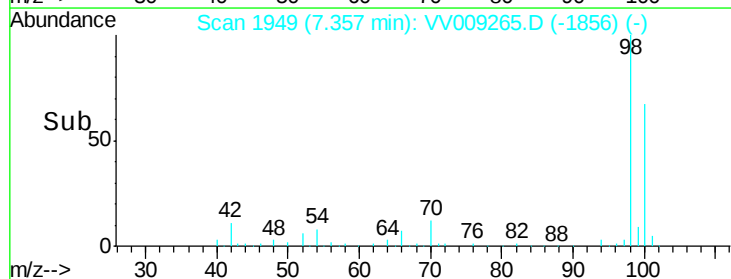
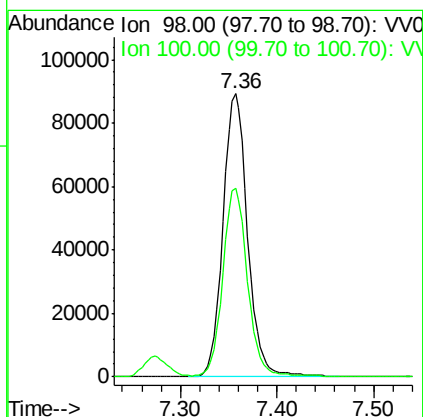
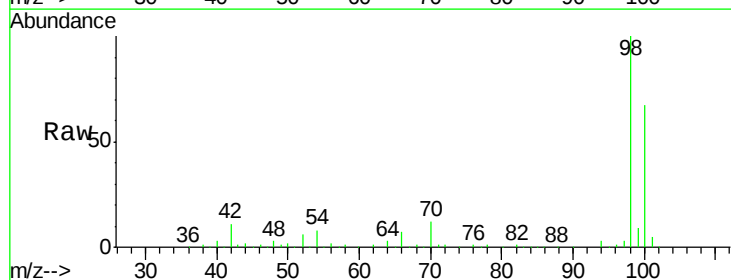
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

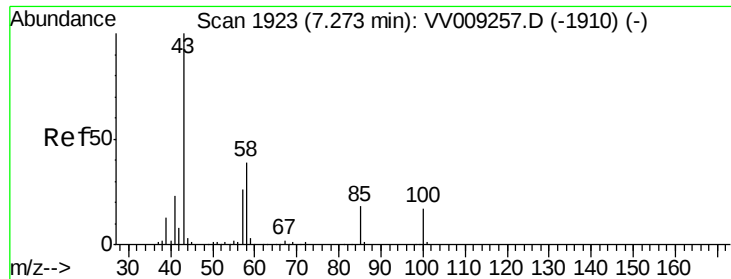
Tot Ion: 88 Resp: 3533
Ion Ratio Lower Upper
88 100
43 36.4 28.3 42.5
58 77.9 50.0 75.0#



#50
Toluene-d8
Concen: 48.455 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion: 98 Resp: 157916
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8

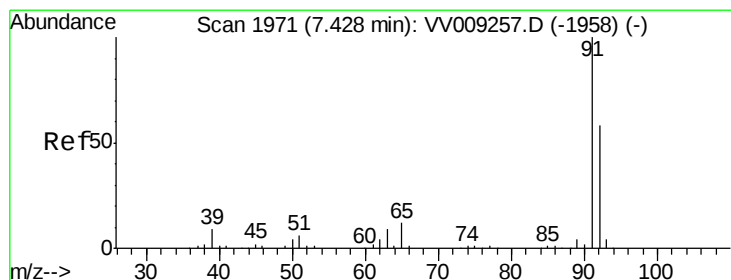
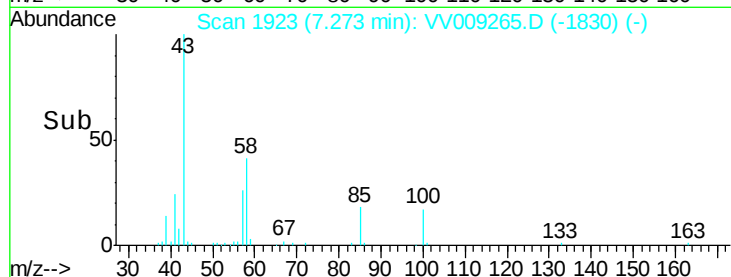
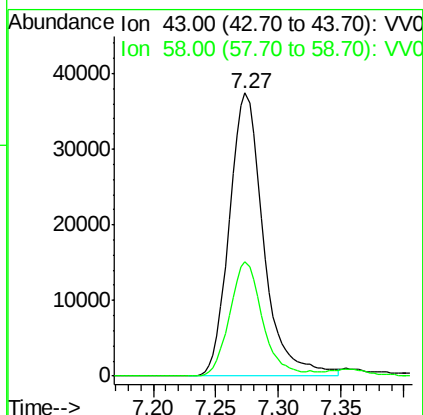
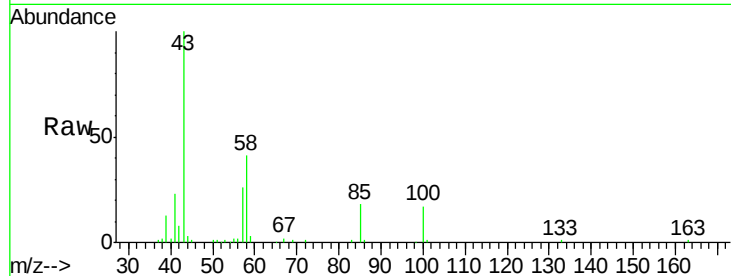




#51
 4-Methyl-2-Pentanone
 Concen: 107.665 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

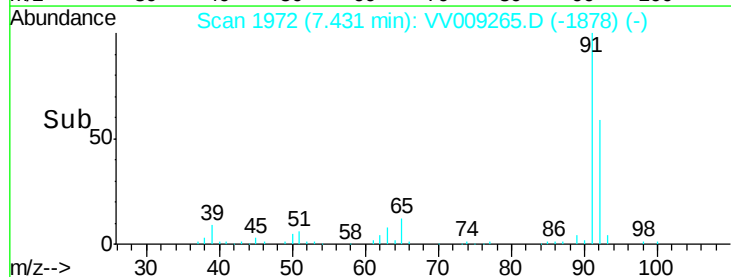
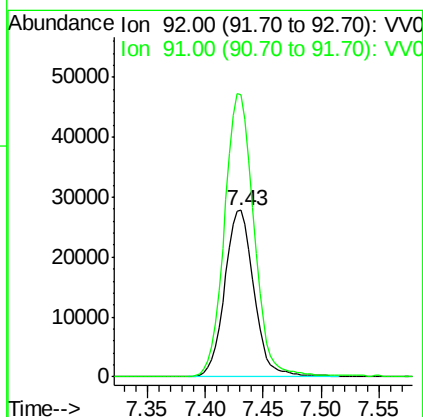
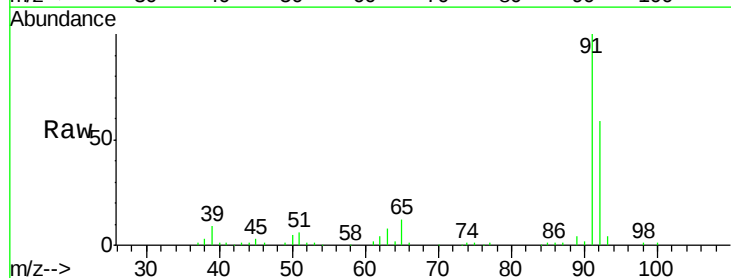
Instrument :
 MSVOA_V
 ClientSampleID :
 VV0124SBS01

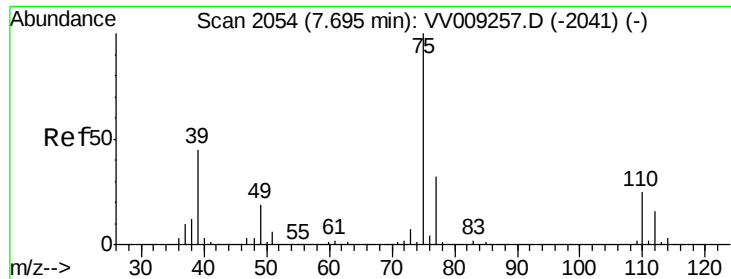
Tot Ion: 43 Resp: 71286
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.5 45.7



#52
 Toluene
 Concen: 20.233 ug/l
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 92 Resp: 48887
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.2 205.8





#53

t-1,3-Dichloropropene

Concen: 19.678 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

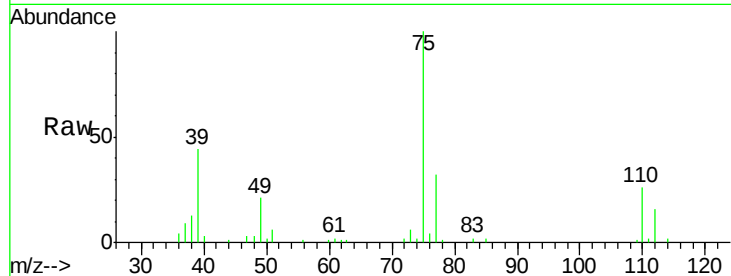
VV0124SBS01

Tot Ion: 75 Resp: 24700

Ion Ratio Lower Upper

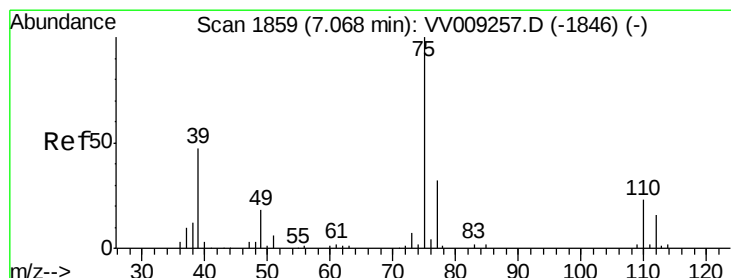
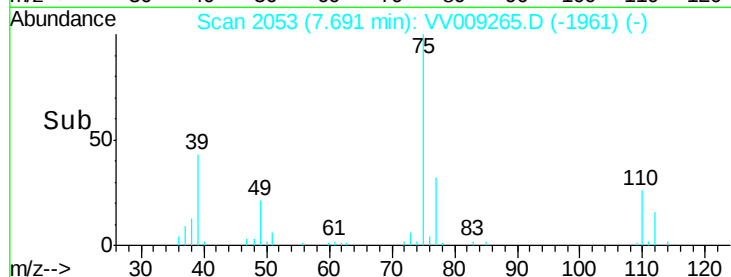
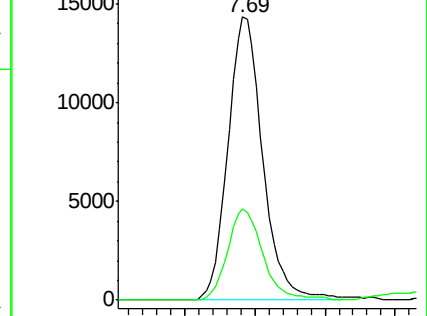
75 100

77 32.3 25.9 38.9



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: 19.650 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

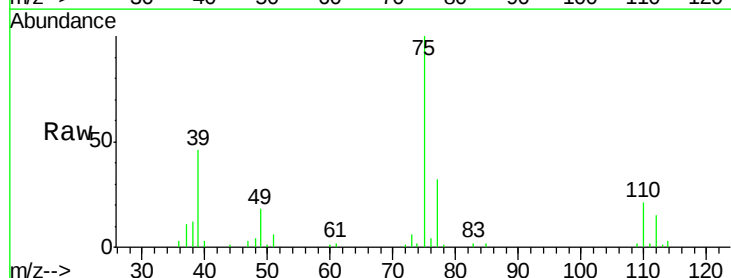
Tgt Ion: 75 Resp: 27982

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

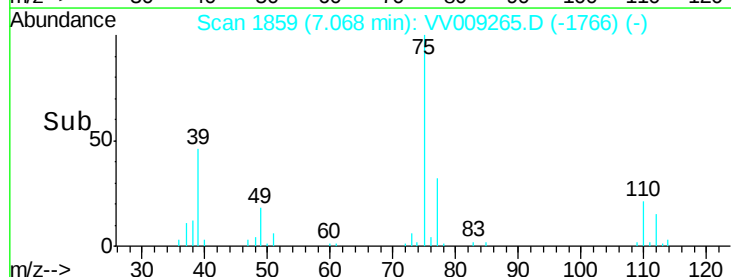
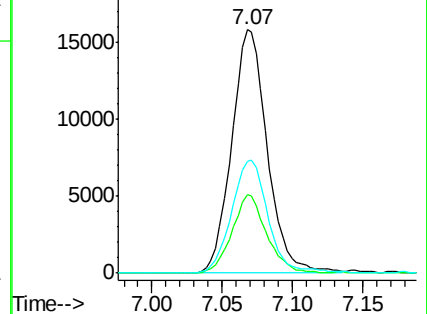
39 45.7 38.0 57.0

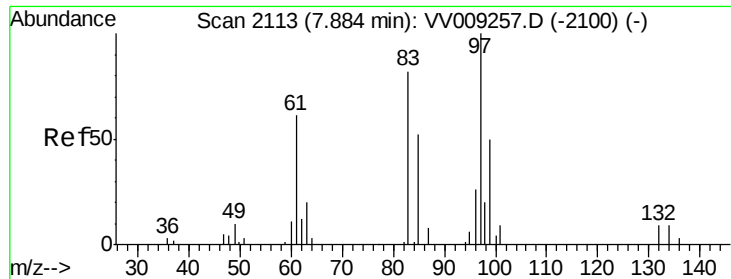


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

Ion 39.00 (38.70 to 39.70): VV0

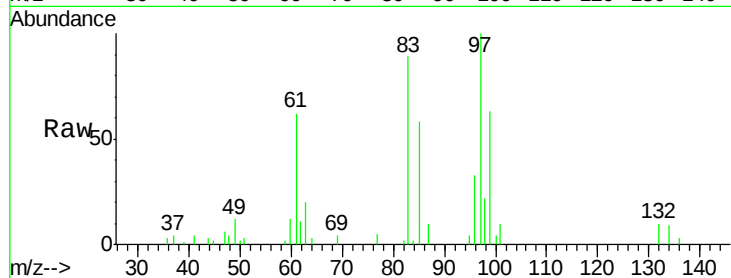




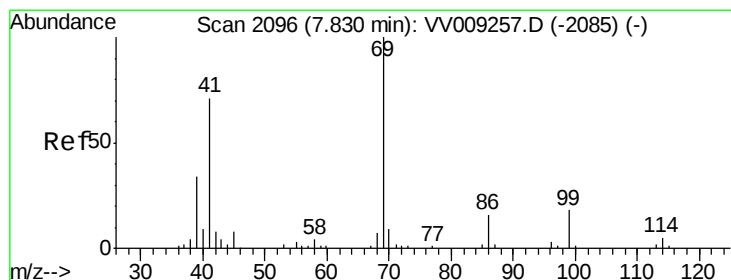
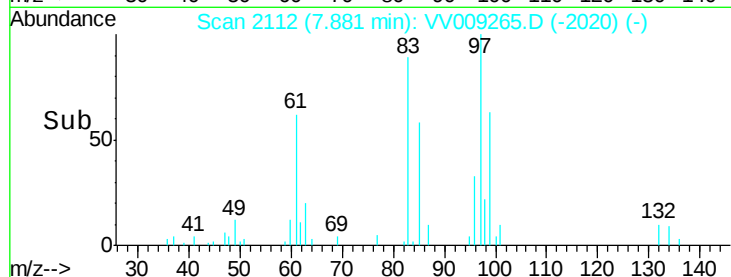
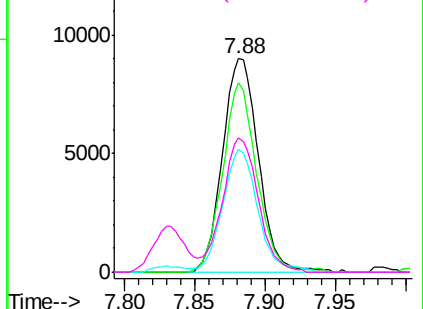
#55
 1,1,2-Trichloroethane
 Concen: 21.748 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion:	97	Resp:	16002
Ion	Ratio	Lower	Upper
97	100		
83	88.8	65.6	98.4
85	57.6	41.8	62.8
99	62.8	49.8	74.8

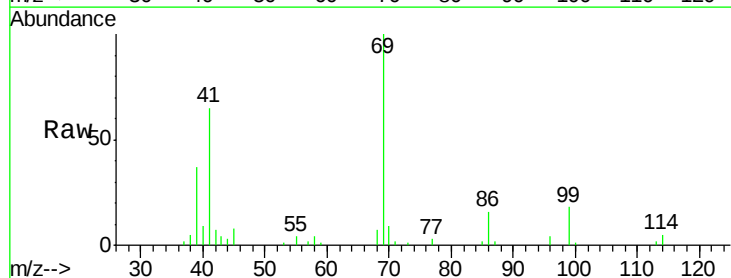


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

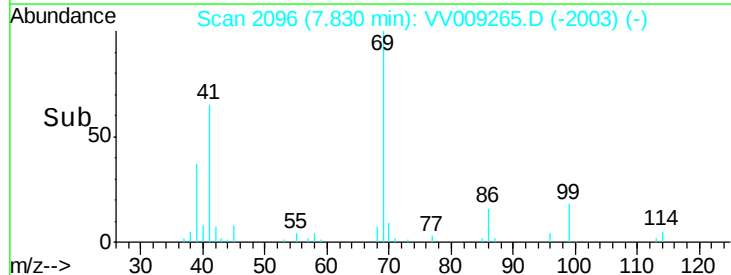
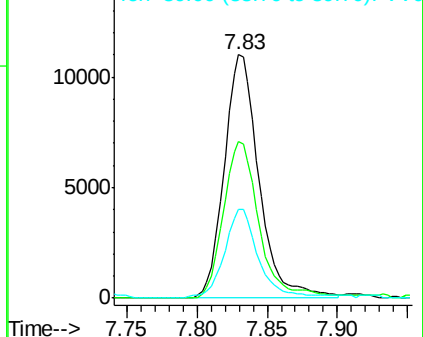


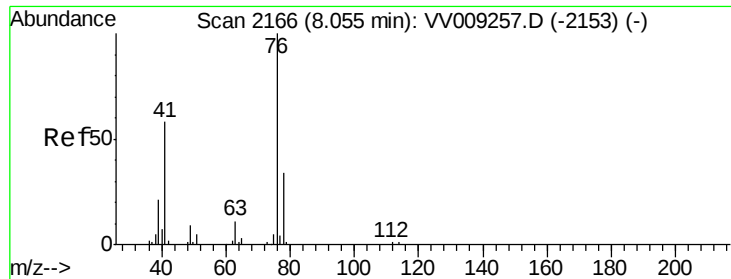
#56
 Ethyl methacrylate
 Concen: 21.264 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion:	69	Resp:	18903
Ion	Ratio	Lower	Upper
69	100		
41	65.7	54.6	81.8
39	35.5	27.0	40.4



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

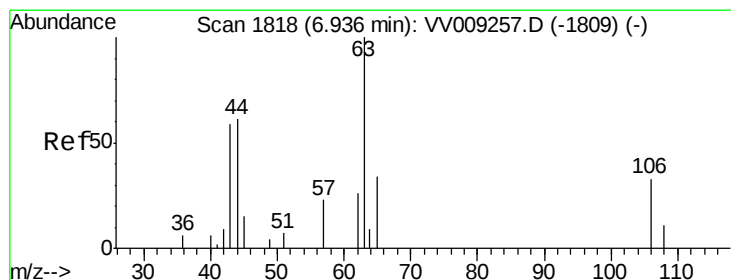
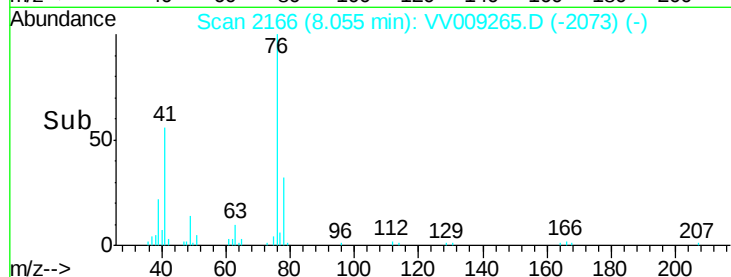
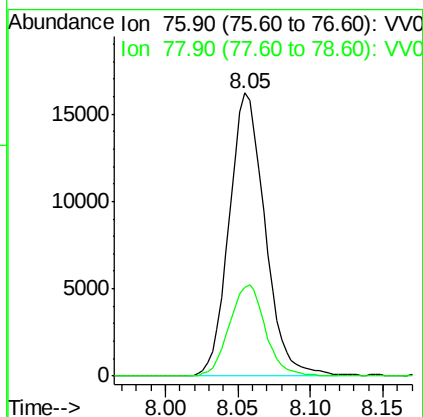
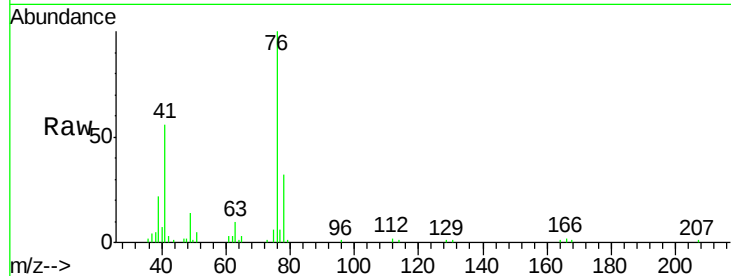




#57
 1,3-Dichloropropane
 Concen: 21.299 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

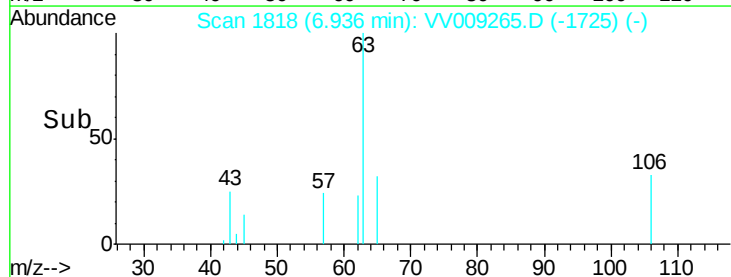
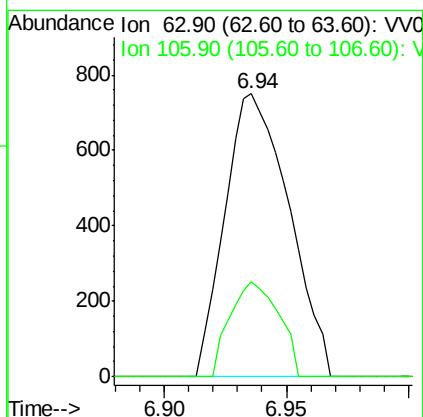
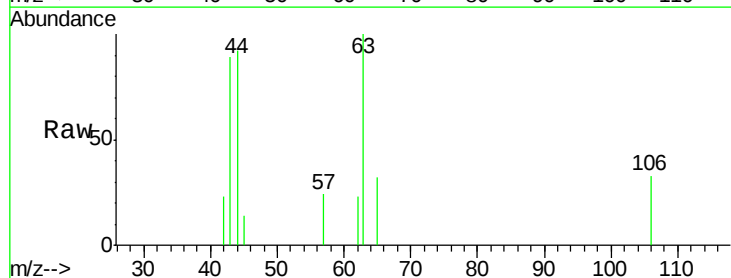
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

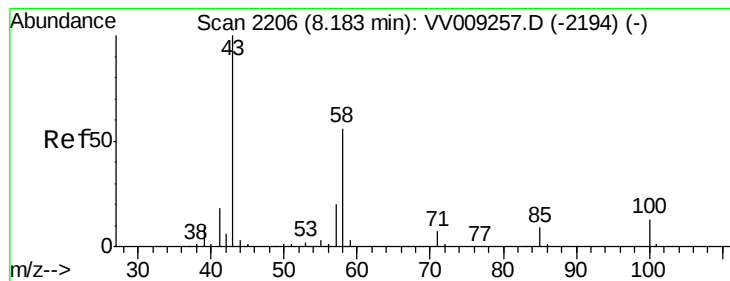
Tot Ion: 76 Resp: 27921
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 58.072 ug/l
 RT: 6.94 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 63 Resp: 1366
 Ion Ratio Lower Upper
 63 100
 106 25.8 21.0 31.6





#59

2-Hexanone

Concen: 105.142 ug/l

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

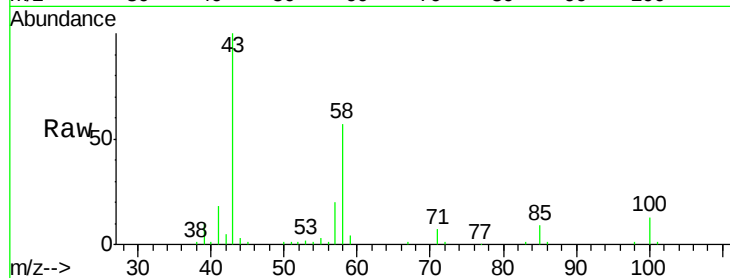
VV0124SBSD01

Tot Ion: 43 Resp: 50046

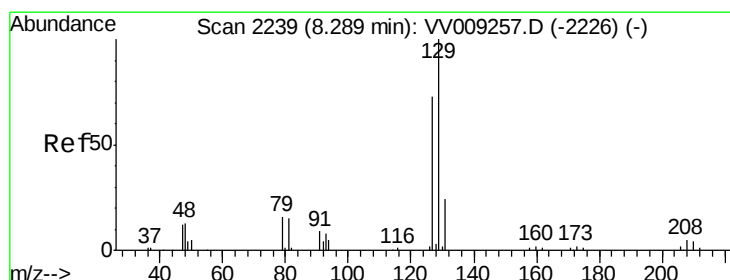
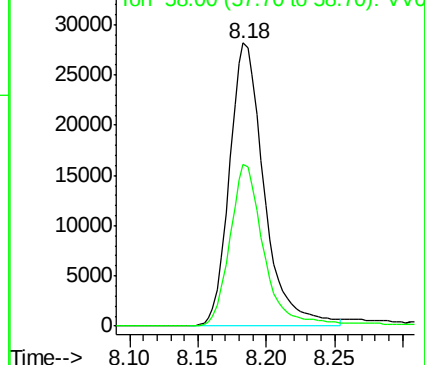
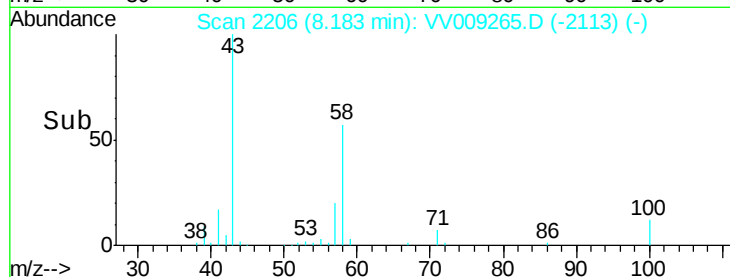
Ion Ratio Lower Upper

43 100

58 55.7 27.9 83.7



Abundance Ion 43.00 (42.70 to 43.70): VV009265.D (-2113) (-)



#60

Dibromochloromethane

Concen: 20.305 ug/l

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009265.D

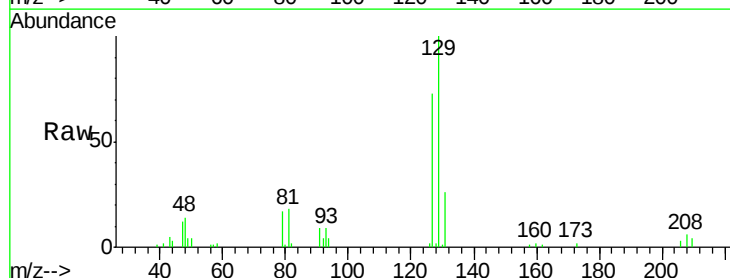
Acq: 24 Jan 2019 18:26

Tgt Ion: 129 Resp: 17078

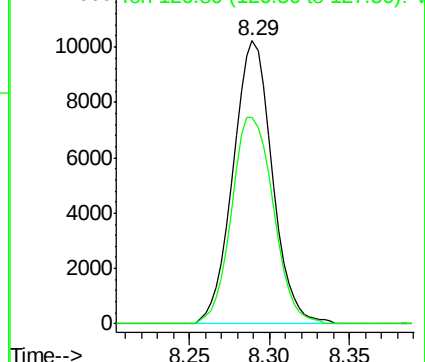
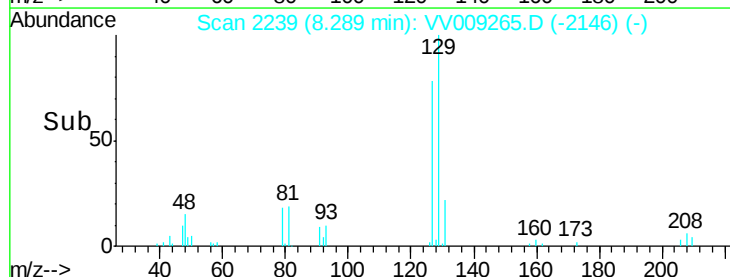
Ion Ratio Lower Upper

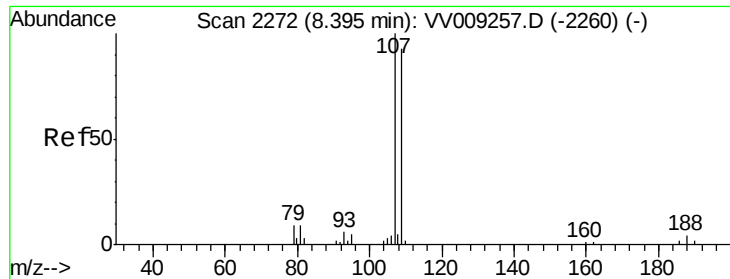
129 100

127 77.7 37.9 113.6



Abundance Ion 128.80 (128.50 to 129.50): VV009265.D (-2146) (-)





#61

1,2-Dibromoethane

Concen: 21.718 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

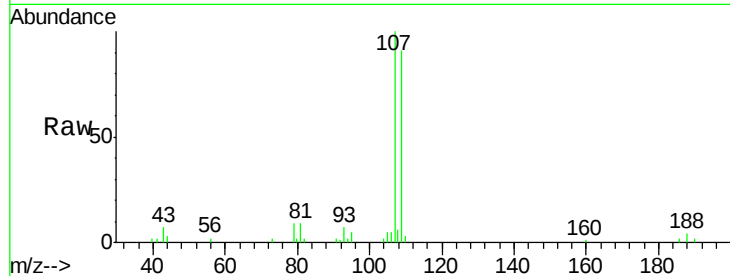
VV0124SBS01

Tot Ion: 107 Resp: 16056

Ion Ratio Lower Upper

107 100

109 91.2 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.40

10000

8000

6000

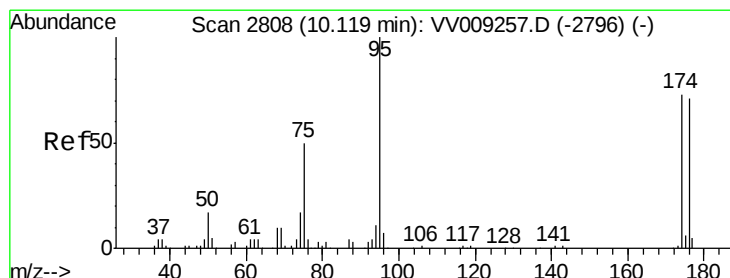
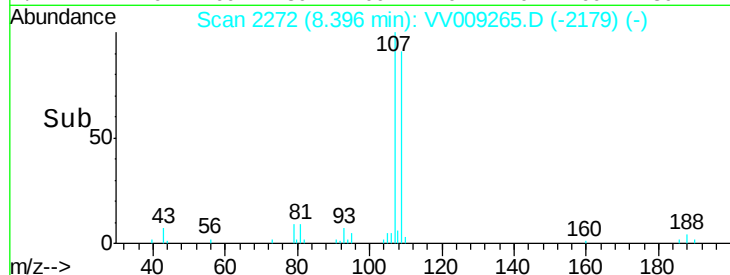
4000

2000

0

Time-->

8.35 8.40 8.45



#62

4-Bromofluorobenzene

Concen: 47.021 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

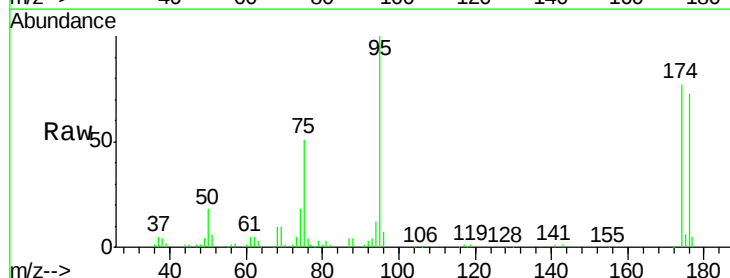
Tgt Ion: 95 Resp: 59109

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.0

176 74.2 0.0 144.0



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

50000

40000

30000

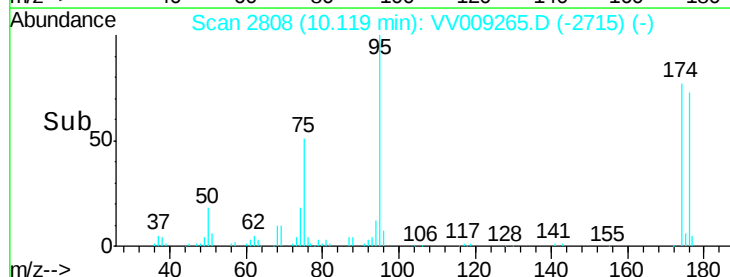
20000

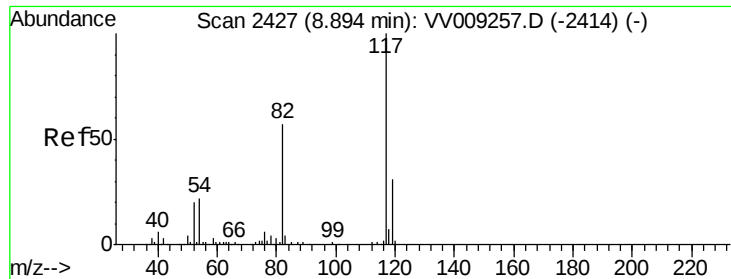
10000

0

Time-->

10.10 10.12 10.20

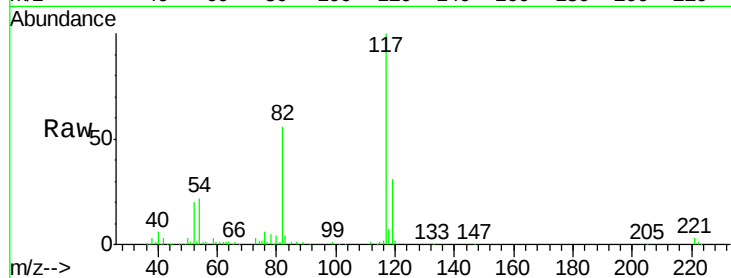




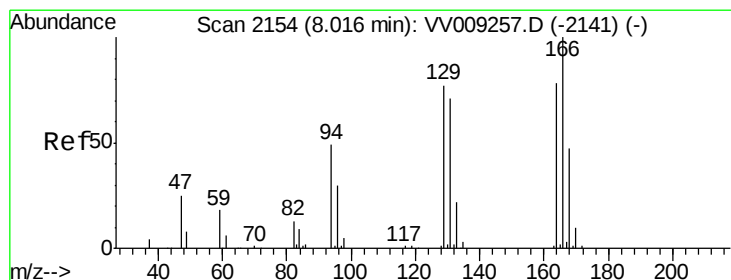
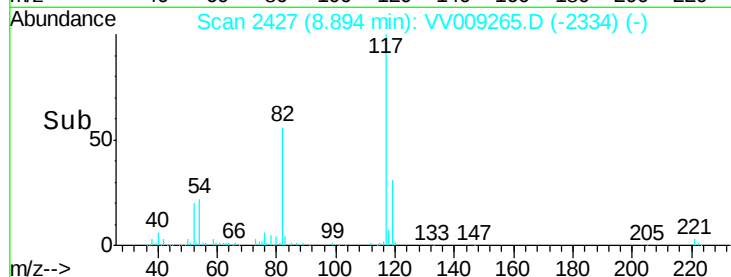
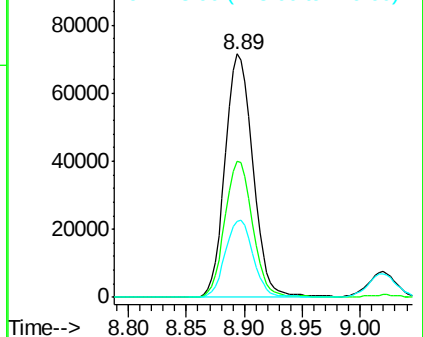
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBSD01

Tot Ion:117 Resp: 119016
Ion Ratio Lower Upper
117 100
82 55.9 45.8 68.6
119 31.4 24.8 37.2

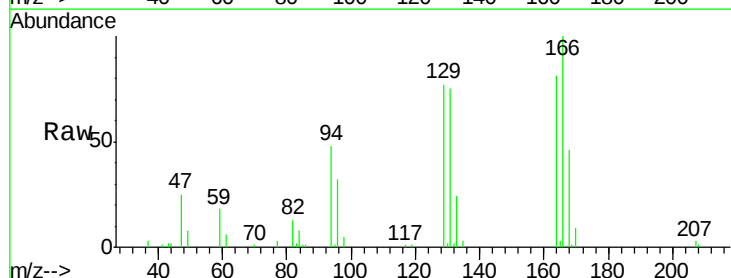


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV0
Ion 118.90 (118.60 to 119.60): V

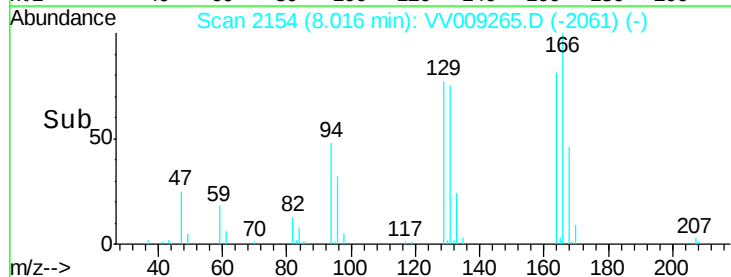
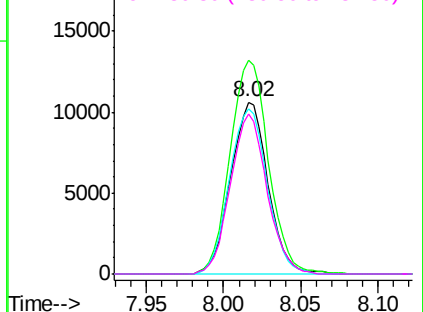


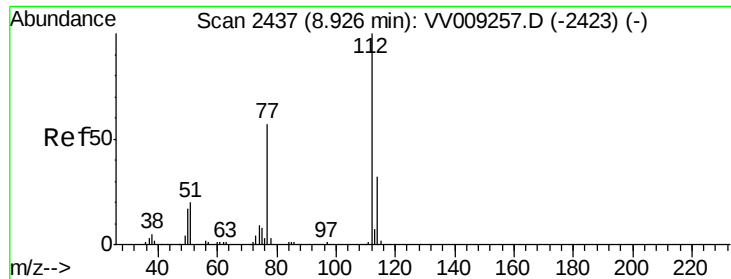
#64
Tetrachloroethene
Concen: 21.714 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion:164 Resp: 17819
Ion Ratio Lower Upper
164 100
166 124.2 102.3 153.5
129 96.1 78.6 117.8
131 93.1 73.1 109.7



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: 20.068 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

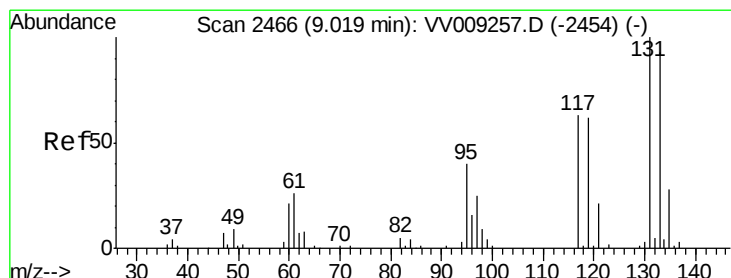
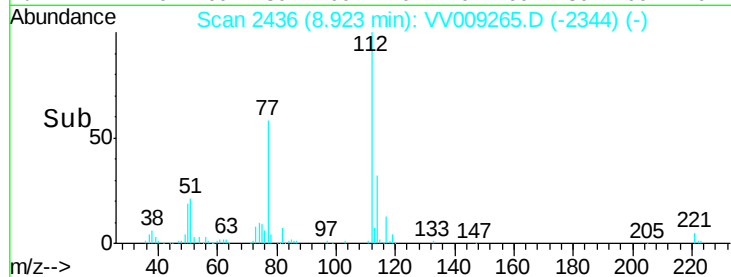
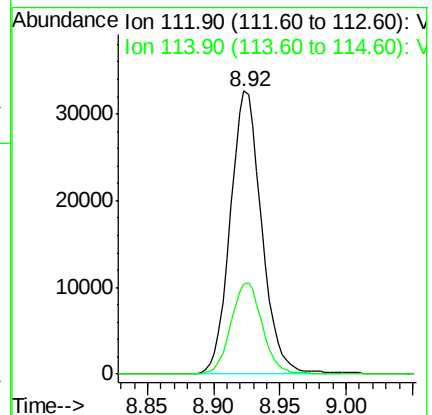
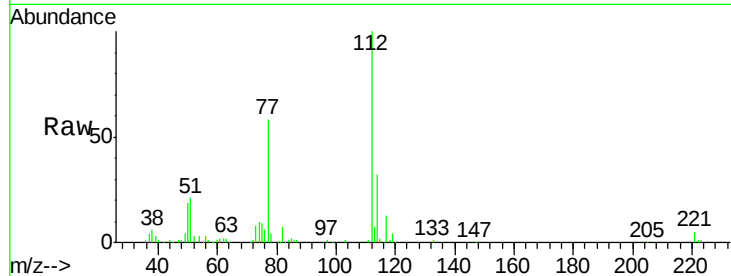
VV0124SBS01

Tot Ion:112 Resp: 53863

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.178 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

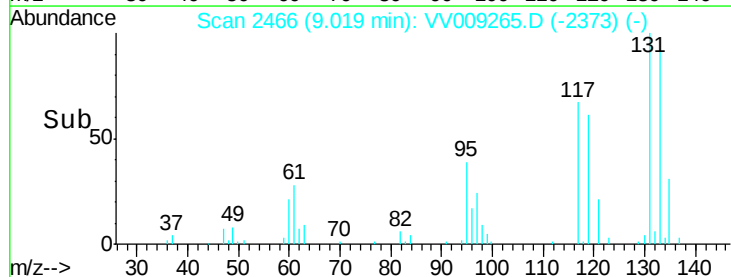
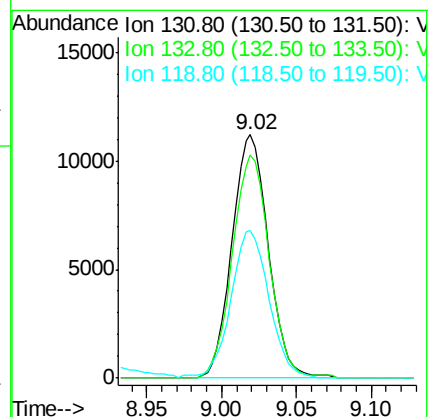
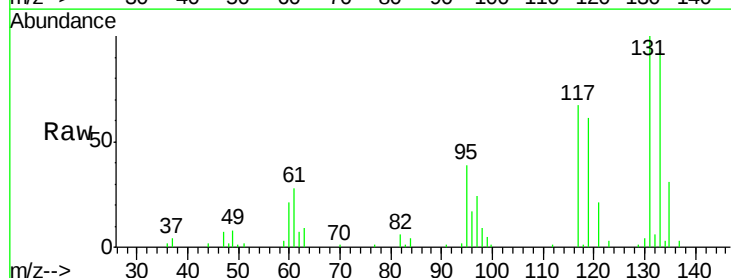
Tgt Ion:131 Resp: 18980

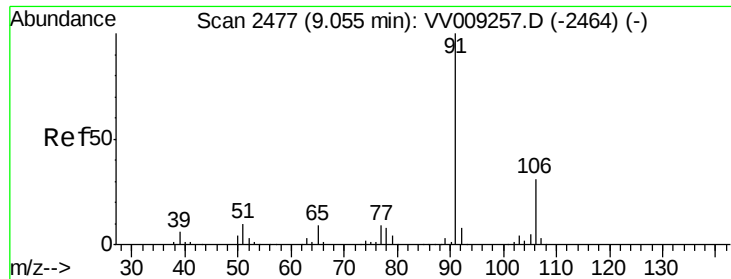
Ion Ratio Lower Upper

131 100

133 92.7 47.7 143.1

119 63.7 32.4 97.2





#67

Ethyl Benzene

Concen: 20.025 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

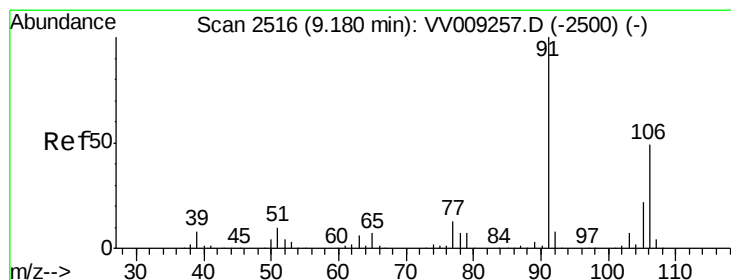
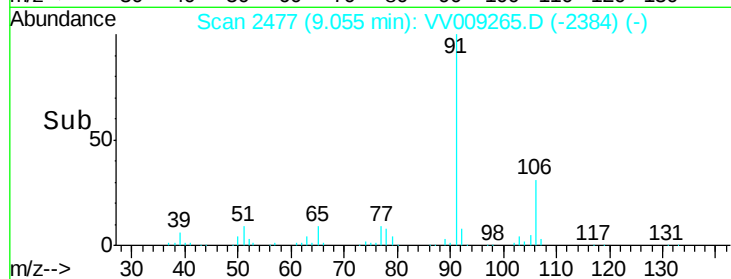
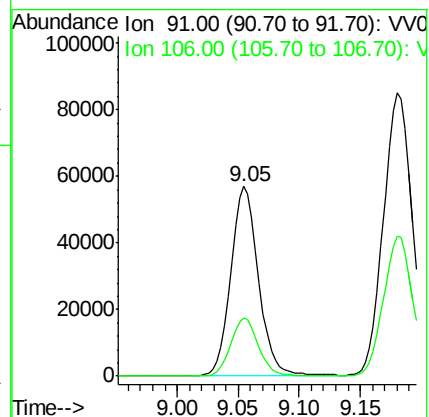
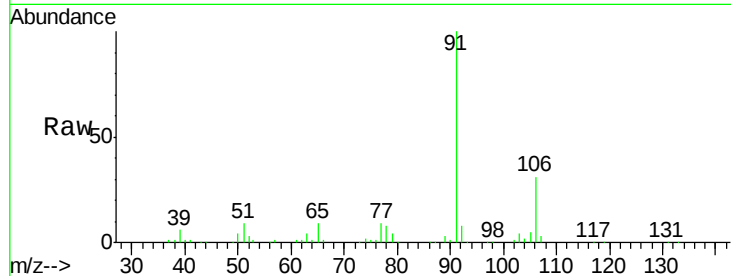
VV0124SBS01

Tot Ion: 91 Resp: 91190

Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0



#68

m/p-Xylenes

Concen: 40.600 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009265.D

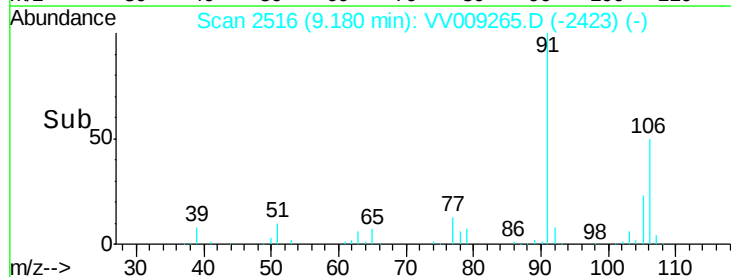
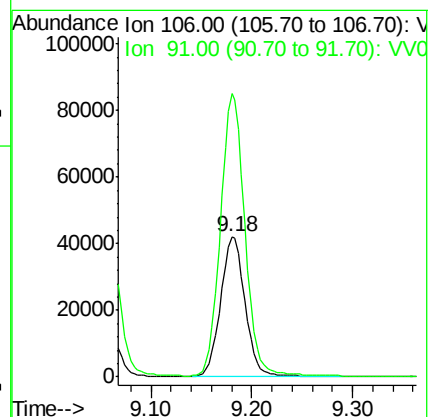
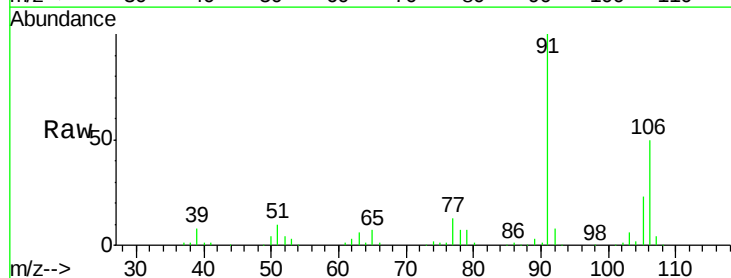
Acq: 24 Jan 2019 18:26

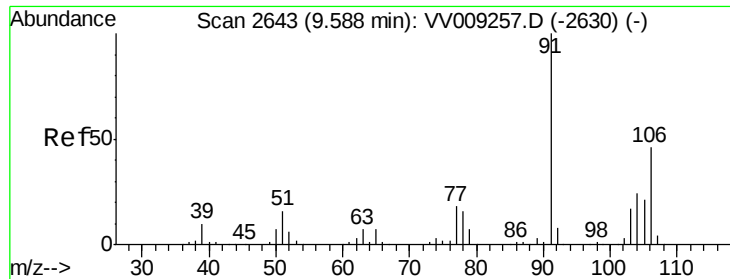
Tgt Ion: 106 Resp: 70920

Ion Ratio Lower Upper

106 100

91 203.3 161.9 242.9

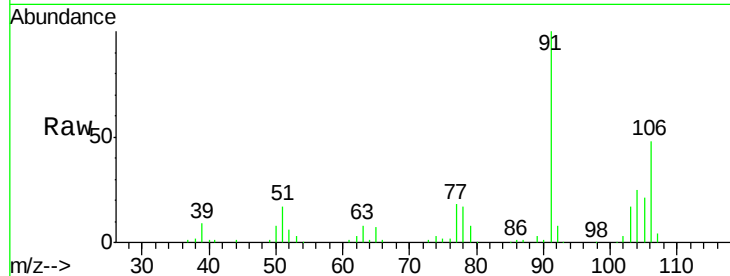




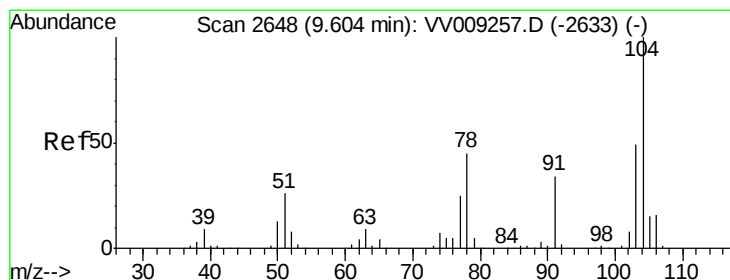
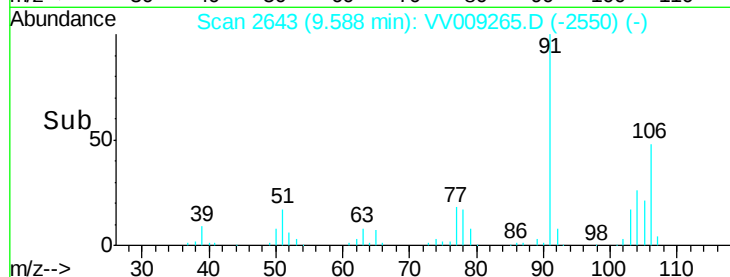
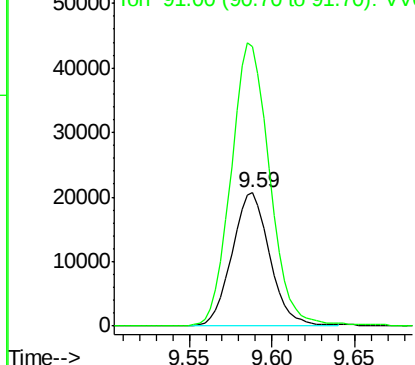
#69
o-Xylene
Concen: 20.106 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion:106 Resp: 32821
Ion Ratio Lower Upper
106 100
91 217.9 108.3 324.9

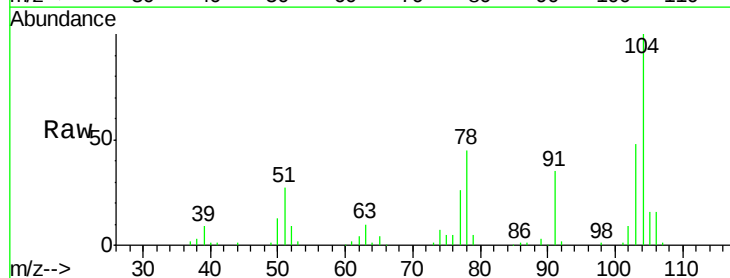


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

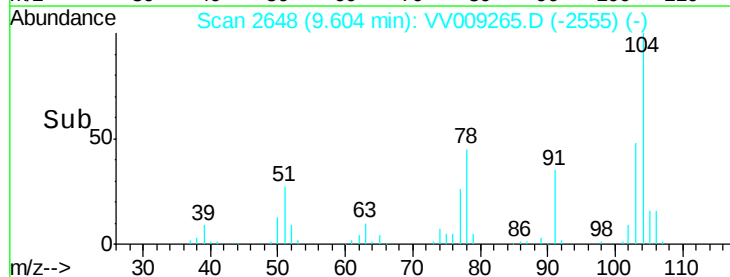
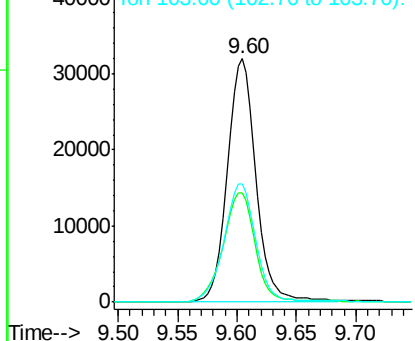


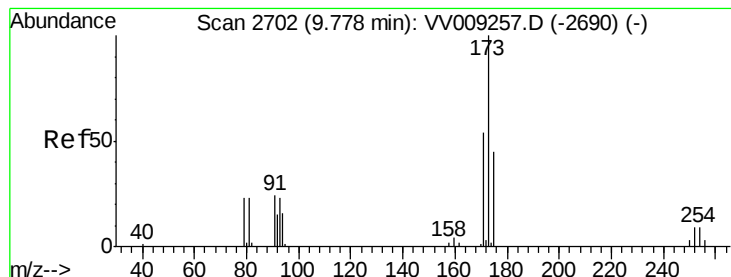
#70
Styrene
Concen: 20.084 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion:104 Resp: 53390
Ion Ratio Lower Upper
104 100
78 50.3 40.6 60.8
103 53.7 43.3 64.9



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: 20.874 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBSD01

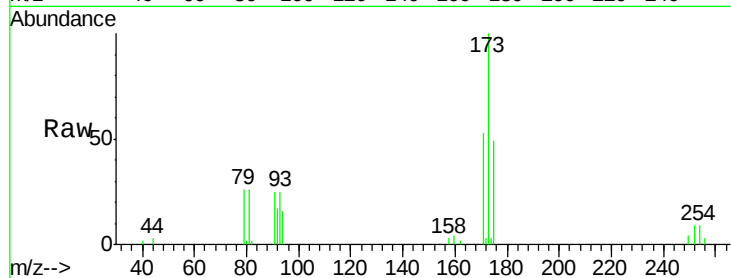
Tot Ion:173 Resp: 10086

Ion Ratio Lower Upper

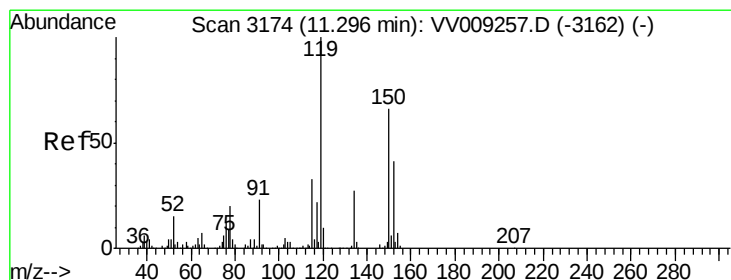
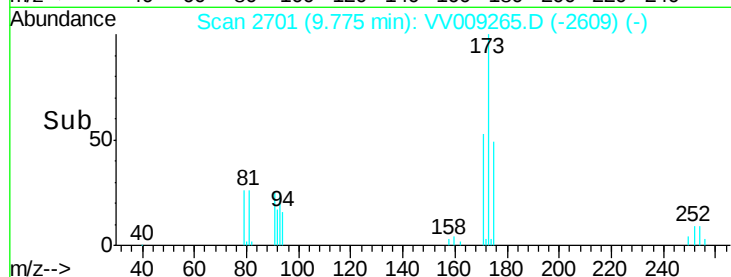
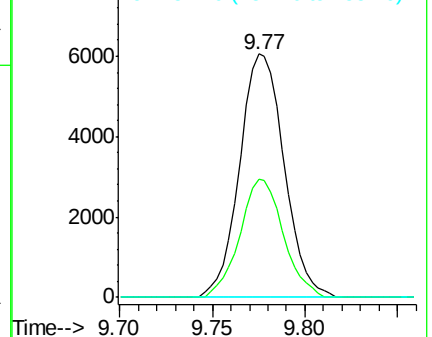
173 100

175 47.3 23.9 71.7

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: VV009265.D

Acq: 24 Jan 2019 18:26

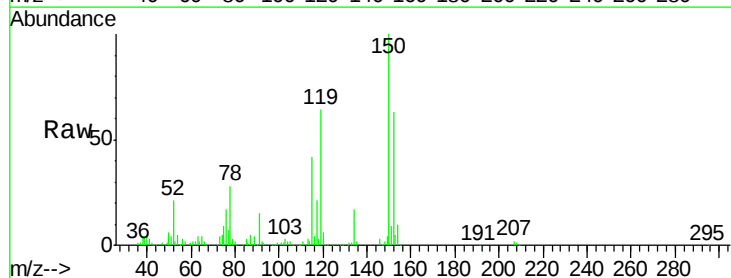
Tgt Ion:152 Resp: 60948

Ion Ratio Lower Upper

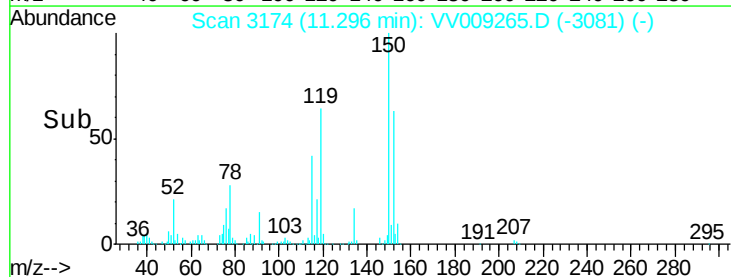
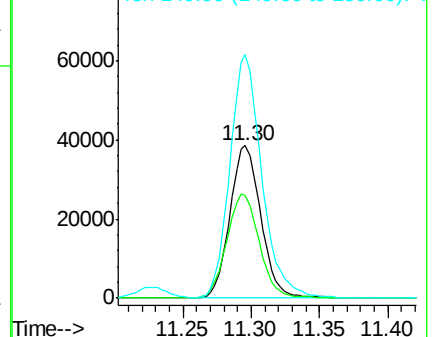
152 100

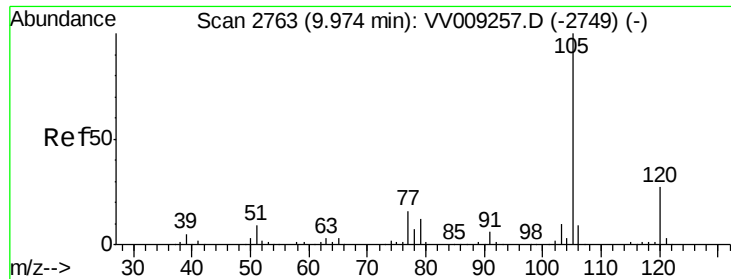
115 71.2 43.0 128.8

150 164.8 0.0 352.0



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: 20.375 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

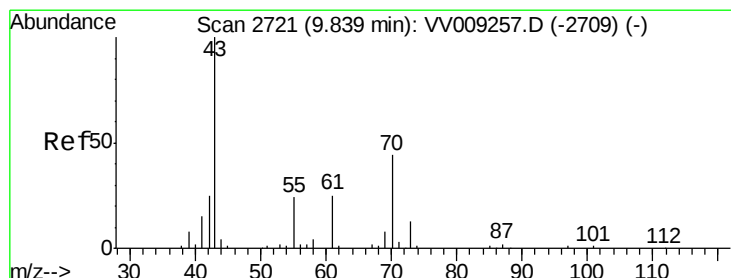
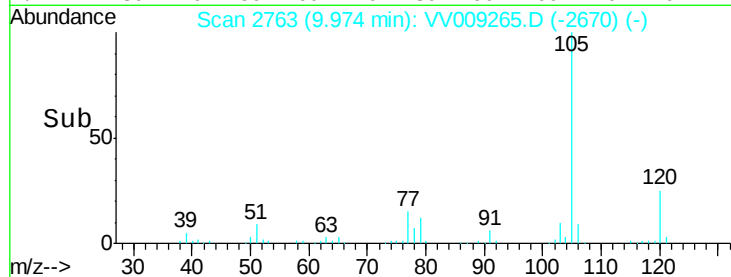
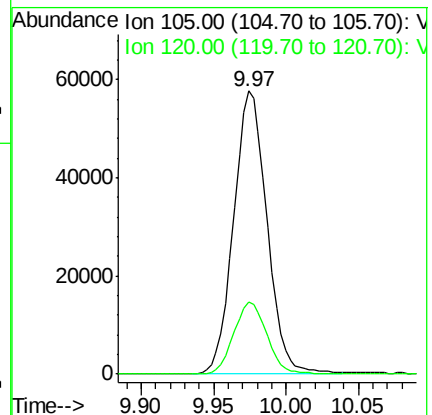
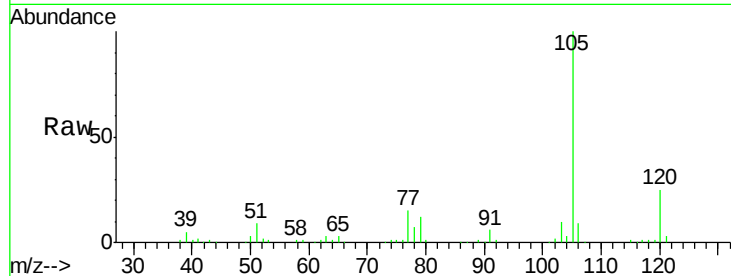
VV0124SBS01

Tot Ion:105 Resp: 92220

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.3



#74

N-ethyl acetate

Concen: 20.000 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Tgt Ion: 43 Resp: 21181

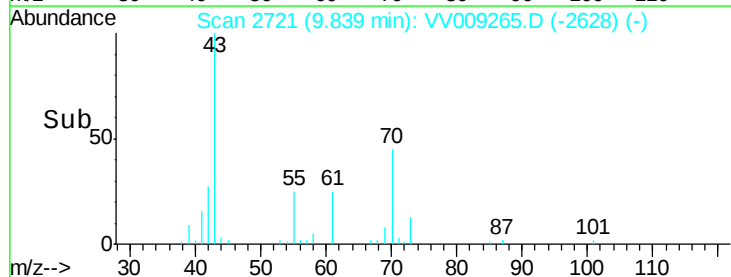
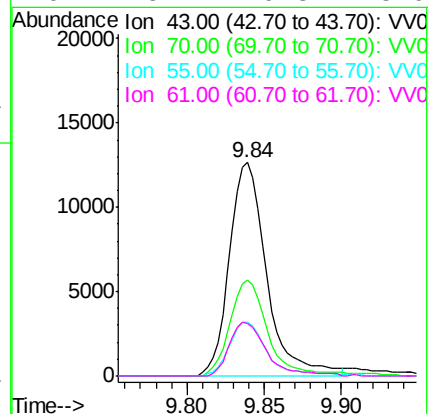
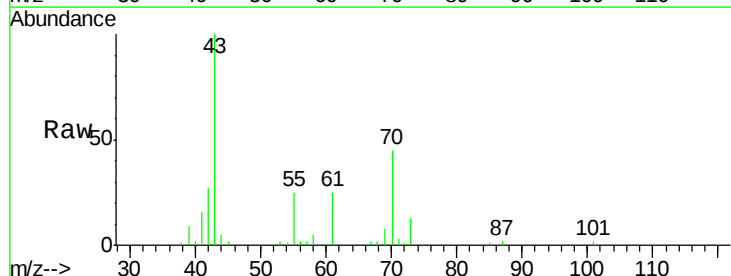
Ion Ratio Lower Upper

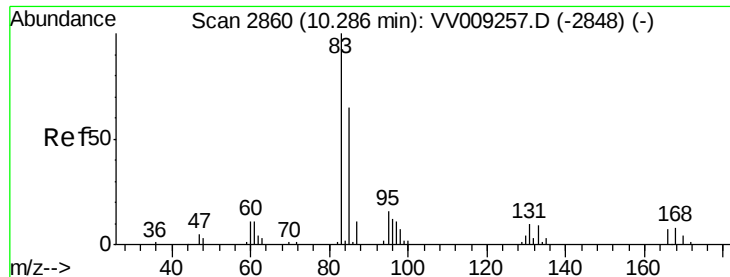
43 100

70 44.4 35.4 53.0

55 25.6 20.4 30.6

61 25.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.619 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

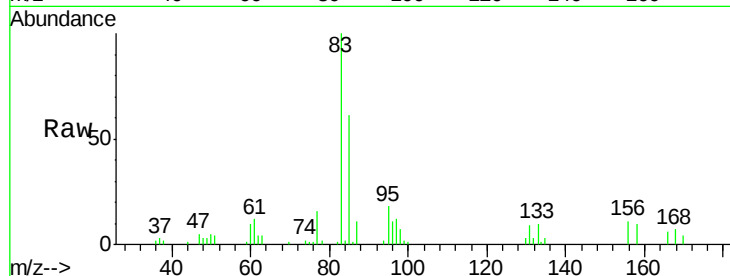
Tot Ion: 83 Resp: 21052

Ion Ratio Lower Upper

83 100

131 9.1 5.0 15.0

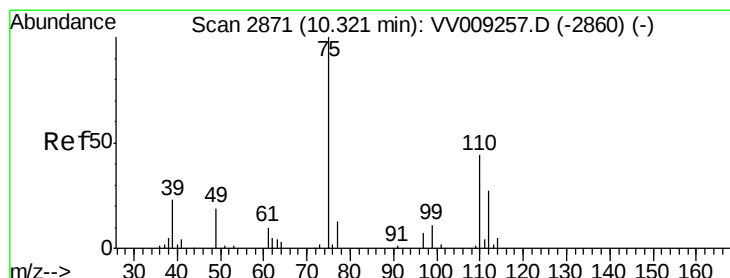
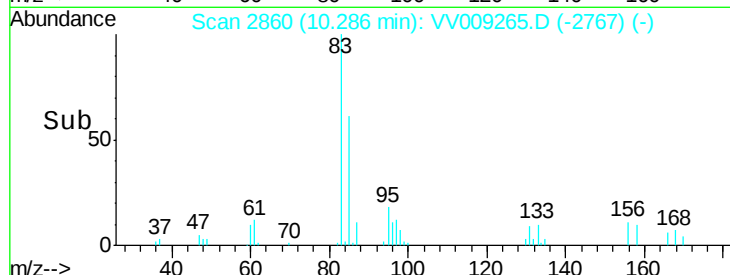
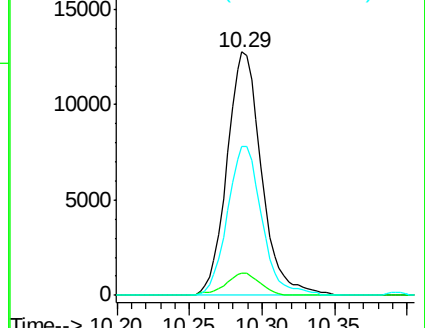
85 61.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VV009265.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009265.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009265.D (-2767) (-)



#76

1,2,3-Trichloropropane

Concen: 22.213 ug/l

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009265.D

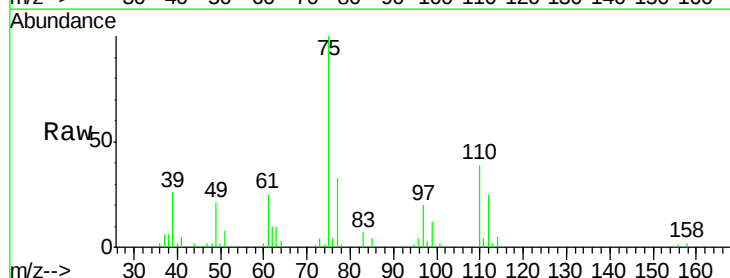
Acq: 24 Jan 2019 18:26

Tgt Ion: 75 Resp: 15981

Ion Ratio Lower Upper

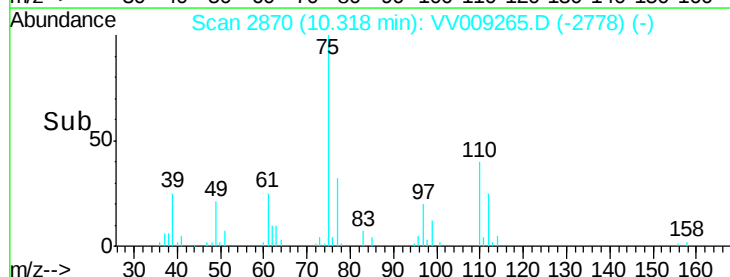
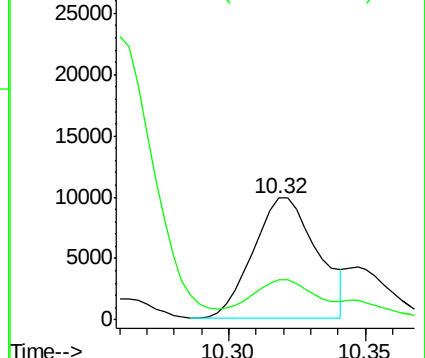
75 100

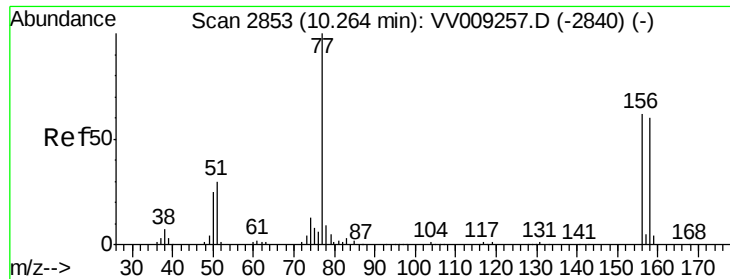
77 21.3 6.2 18.4#



Abundance Ion 74.90 (74.60 to 75.60): VV009265.D (-2778) (-)

Ion 77.00 (76.70 to 77.70): VV009265.D (-2778) (-)





#77

Bromobenzene

Concen: 20.354 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

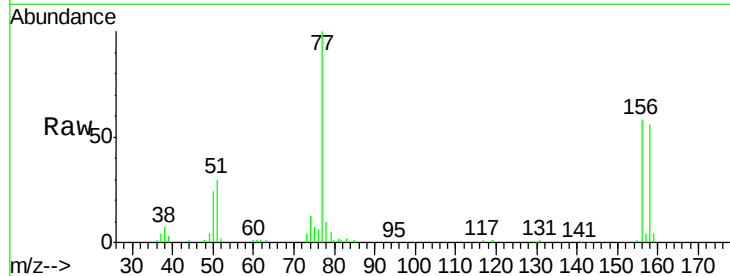
Tot Ion:156 Resp: 21495

Ion Ratio Lower Upper

156 100

77 167.6 81.7 244.9

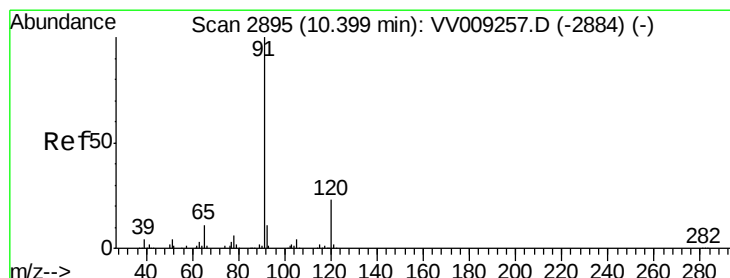
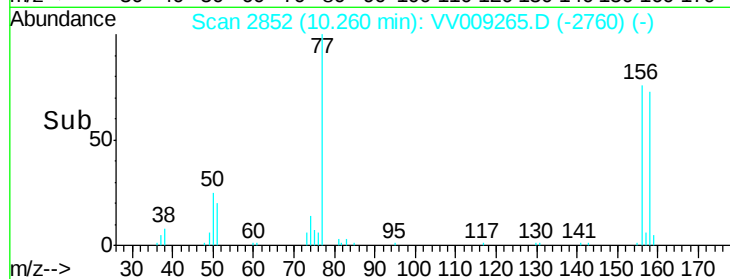
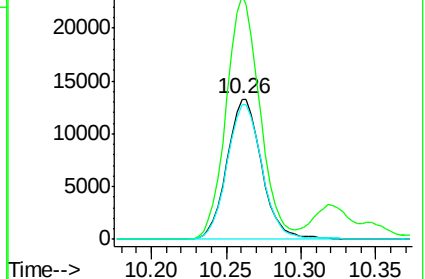
158 97.0 48.4 145.0



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: 20.214 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009265.D

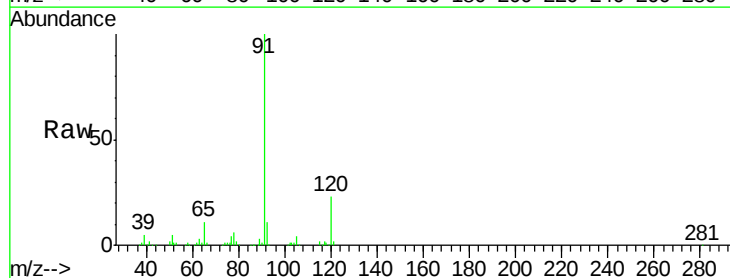
Acq: 24 Jan 2019 18:26

Tgt Ion: 91 Resp: 108246

Ion Ratio Lower Upper

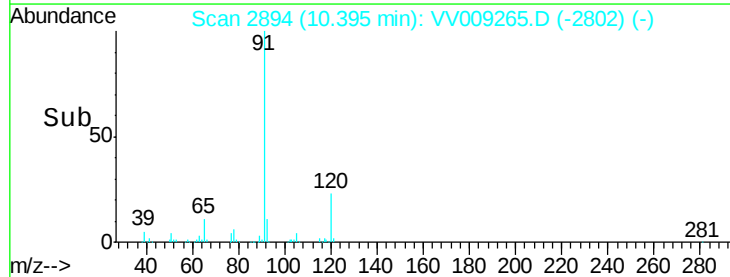
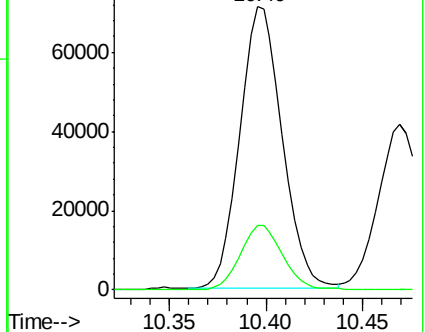
91 100

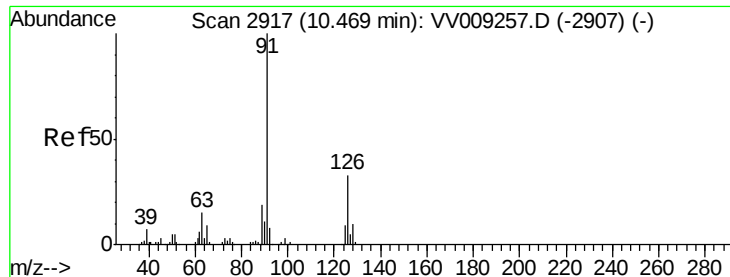
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V

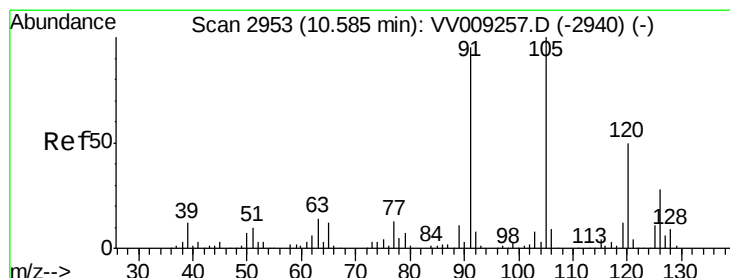
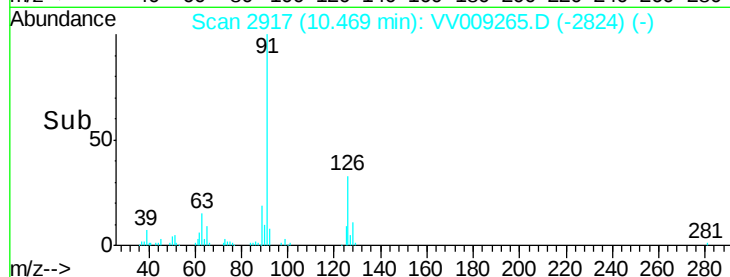
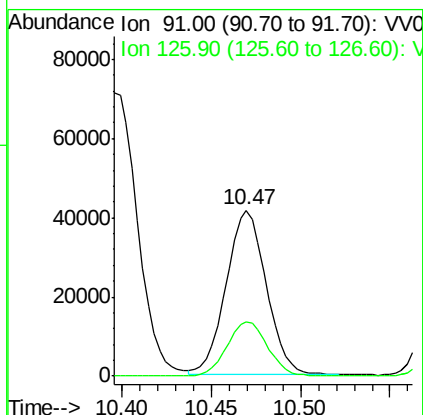
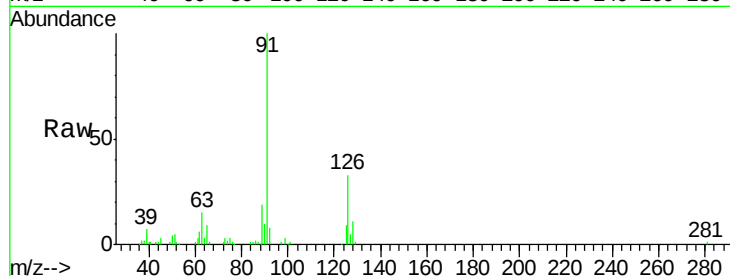




#79
 2-Chlorotoluene
 Concen: 19.975 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

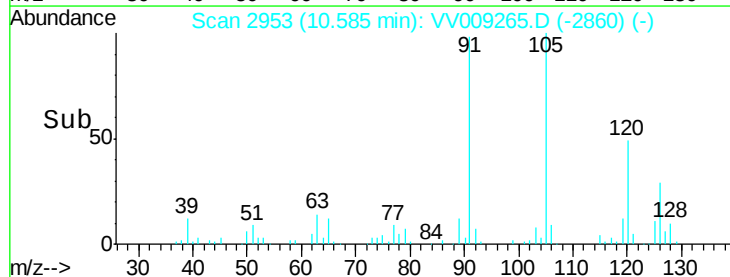
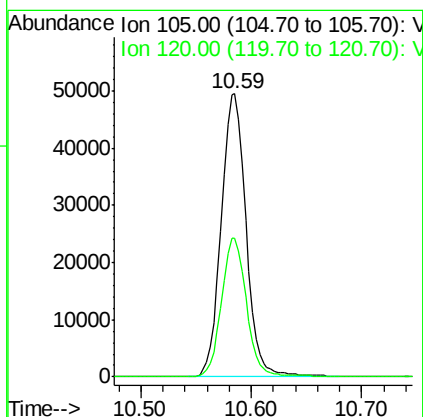
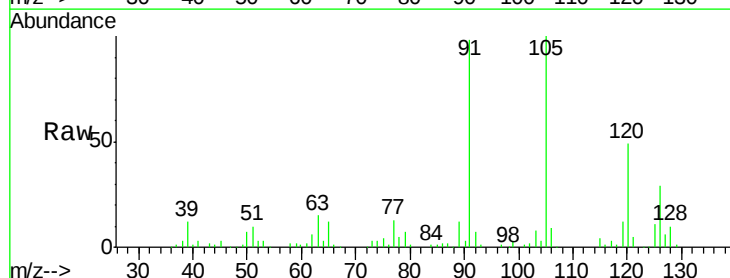
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

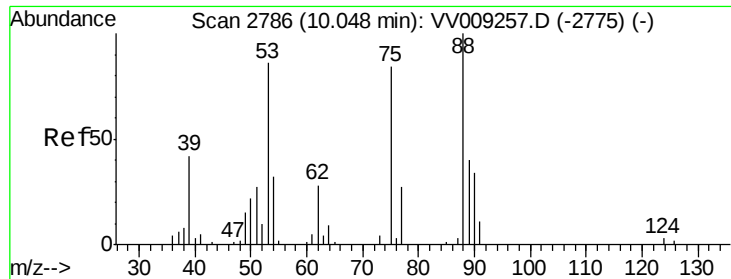
Tot Ion: 91 Resp: 64469
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.397 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 105 Resp: 77654
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.744 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

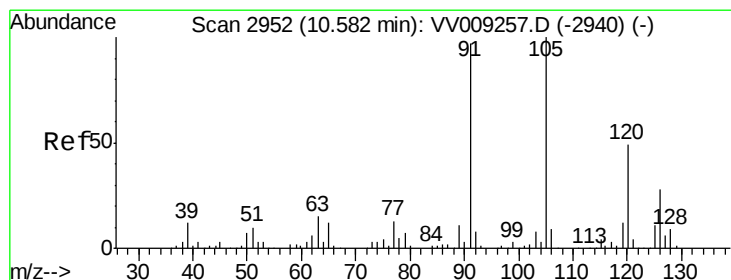
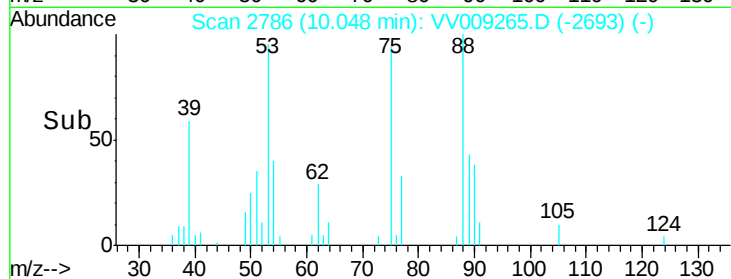
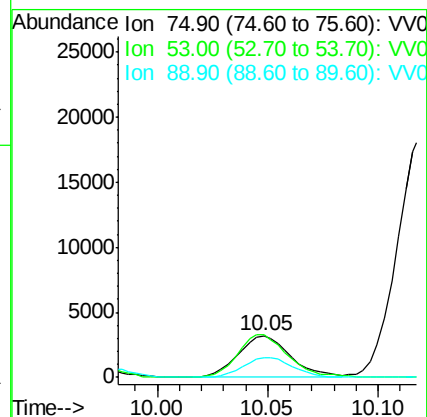
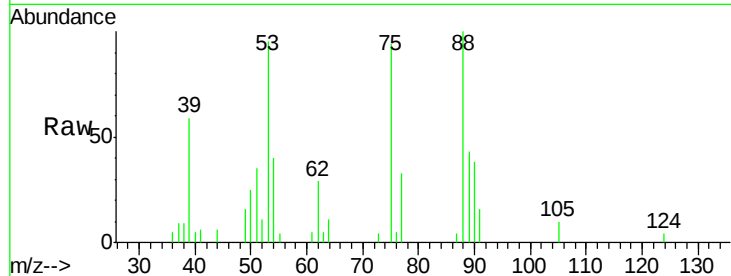
Tot Ion: 75 Resp: 5254

Ion Ratio Lower Upper

75 100

53 98.8 80.2 120.2

89 44.5 36.8 55.2



#82

4-Chlorotoluene

Concen: 20.013 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009265.D

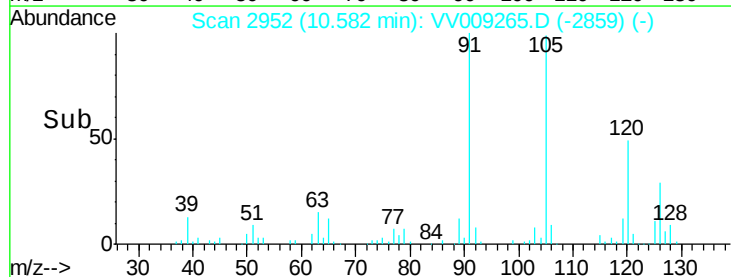
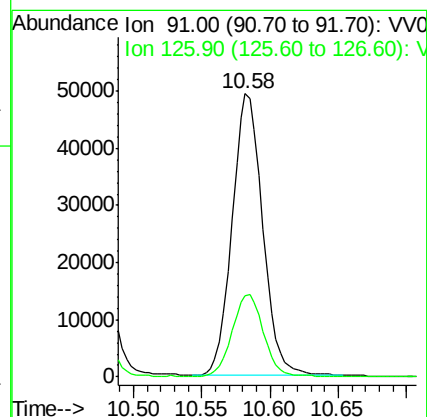
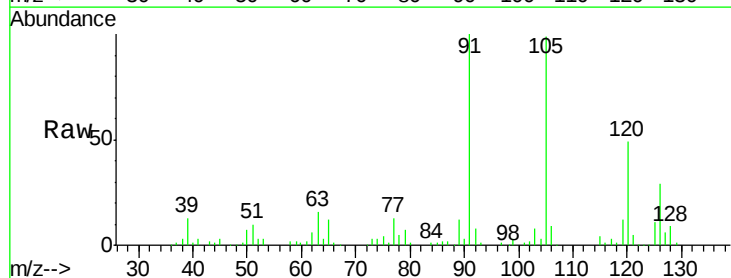
Acq: 24 Jan 2019 18:26

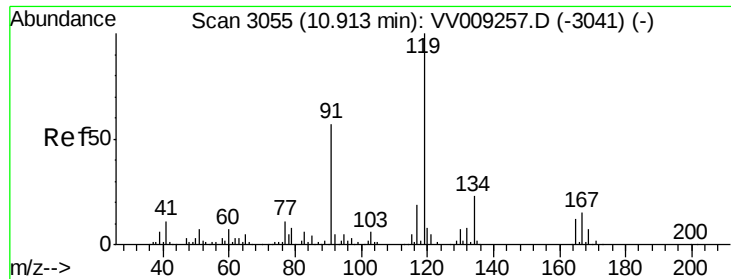
Tgt Ion: 91 Resp: 76573

Ion Ratio Lower Upper

91 100

126 30.3 14.6 44.0





#83

tert-Butylbenzene

Concen: 20.199 ug/l

RT: 10.91 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

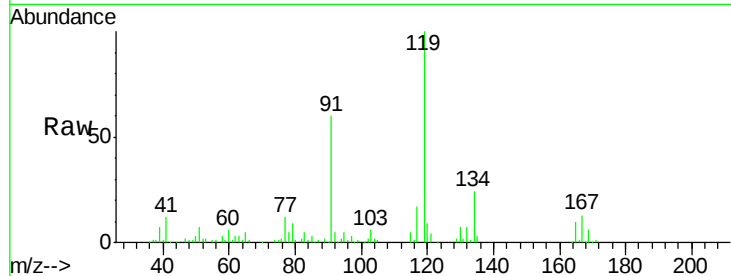
Tot Ion:119 Resp: 74246

Ion Ratio Lower Upper

119 100

91 58.9 28.6 85.8

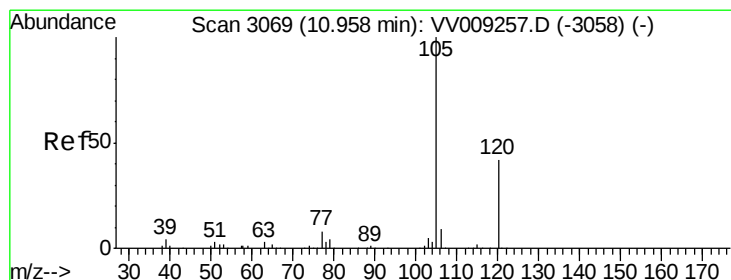
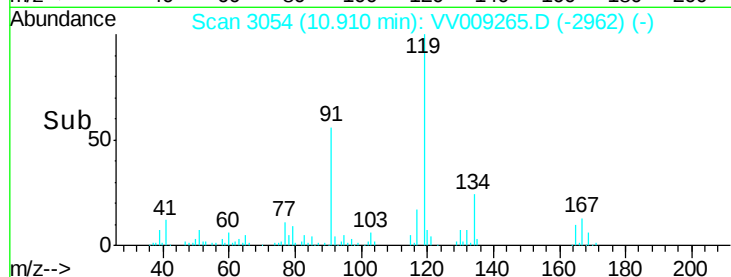
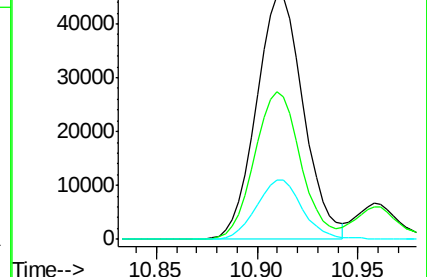
134 23.8 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.146 ug/l

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV009265.D

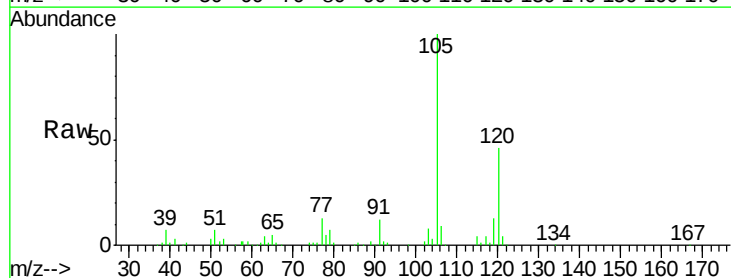
Acq: 24 Jan 2019 18:26

Tgt Ion:105 Resp: 78733

Ion Ratio Lower Upper

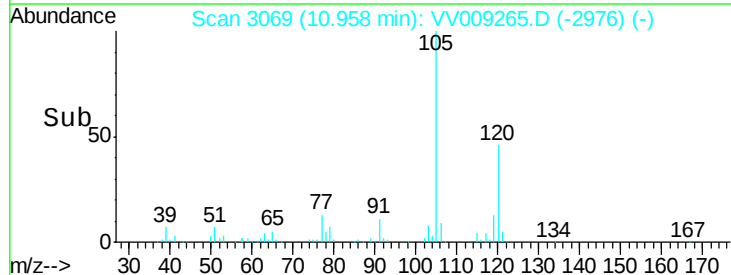
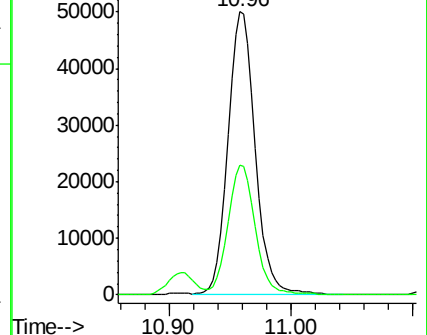
105 100

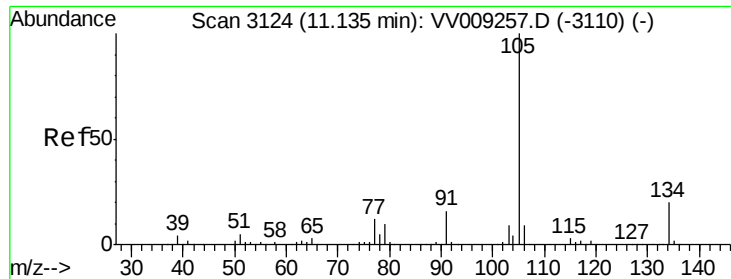
120 46.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.292 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

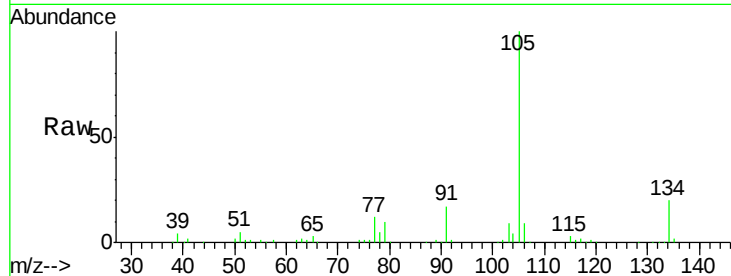
VV0124SBS01

Tot Ion:105 Resp: 97202

Ion Ratio Lower Upper

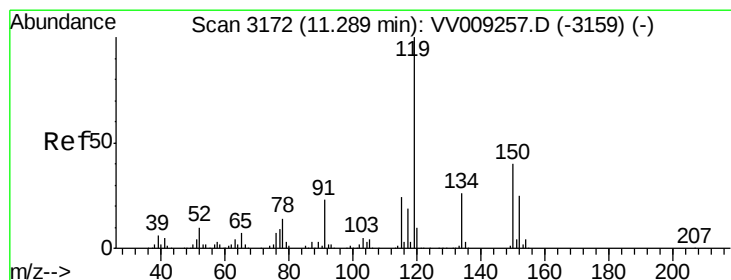
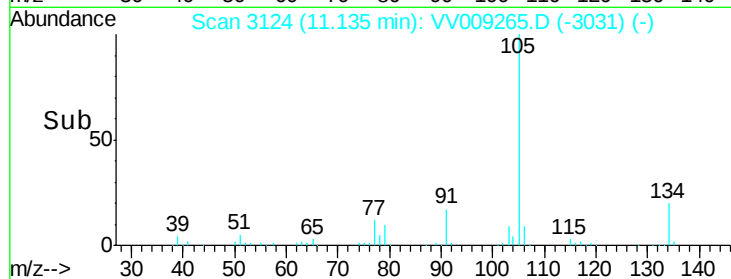
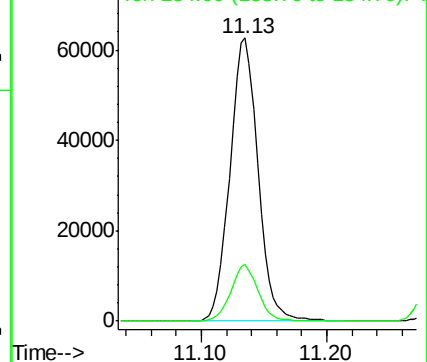
105 100

134 19.4 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.960 ug/l

RT: 11.29 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

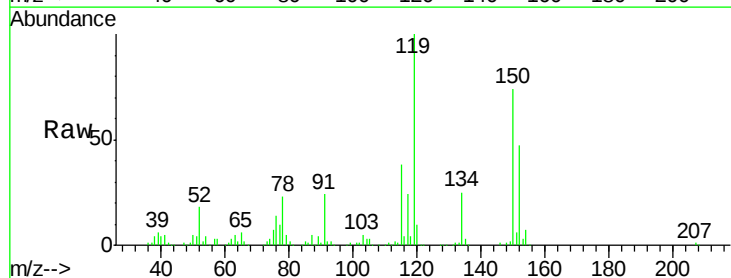
Tgt Ion:119 Resp: 84374

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

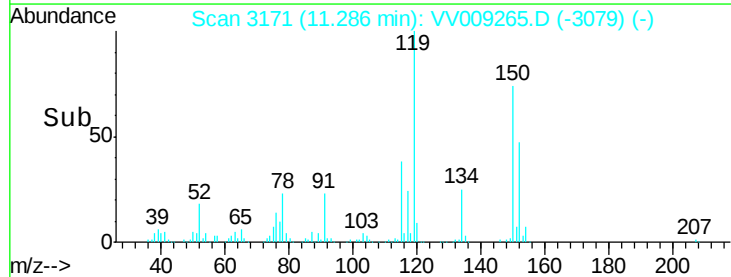
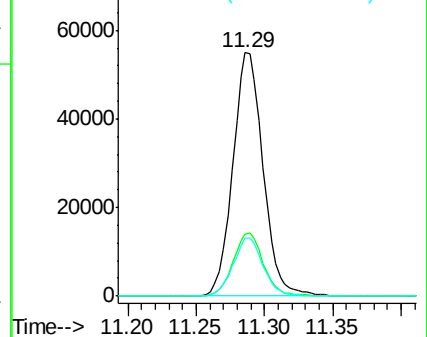
91 24.0 11.9 35.7

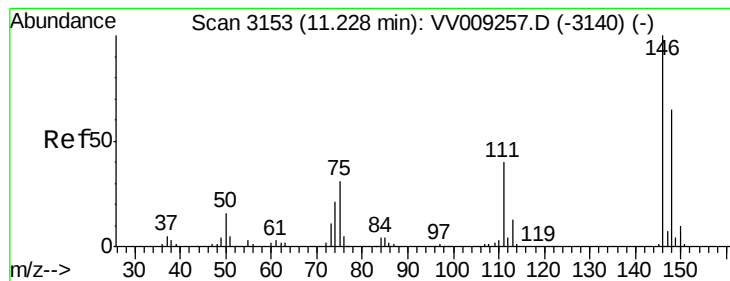


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VV0





#87

1,3-Dichlorobenzene

Concen: 20.269 ug/l

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

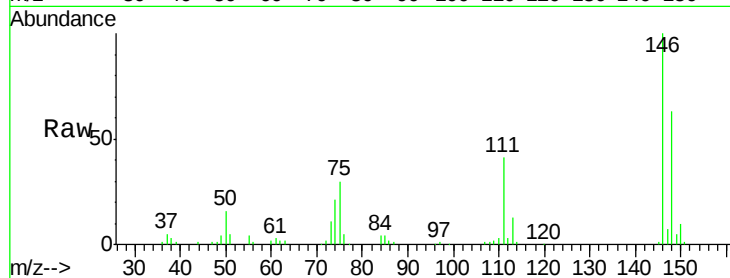
Tot Ion:146 Resp: 43349

Ion Ratio Lower Upper

146 100

111 40.6 20.2 60.5

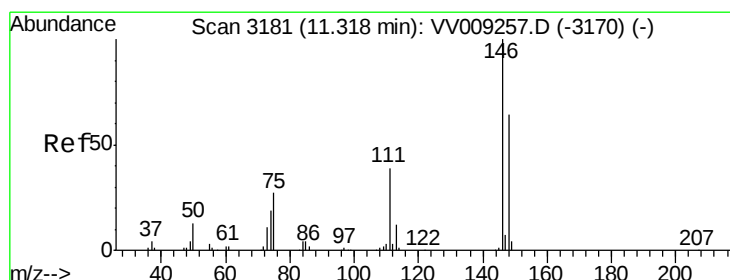
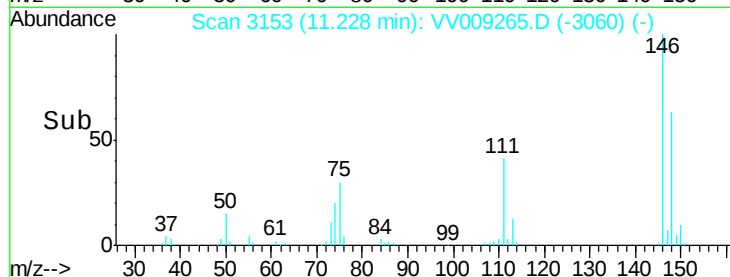
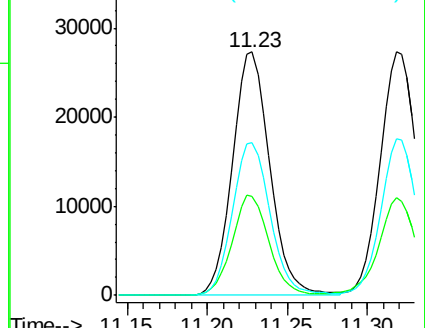
148 63.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.382 ug/l

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009265.D

Acq: 24 Jan 2019 18:26

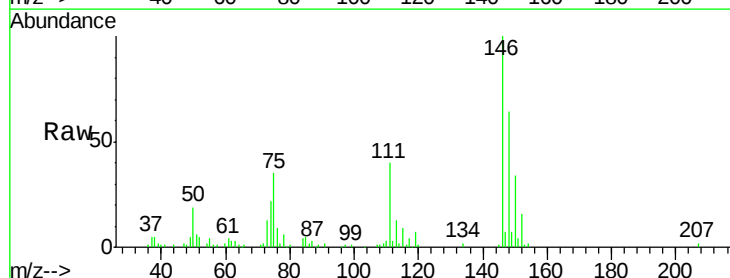
Tgt Ion:146 Resp: 44495

Ion Ratio Lower Upper

146 100

111 41.0 20.3 61.0

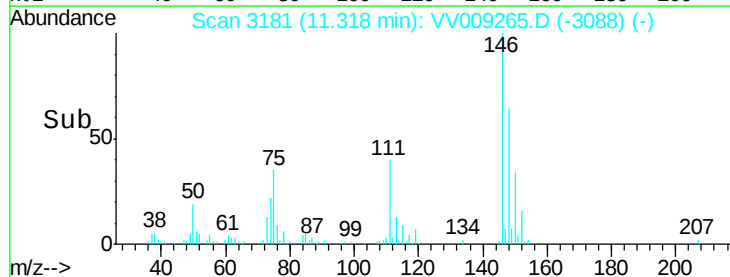
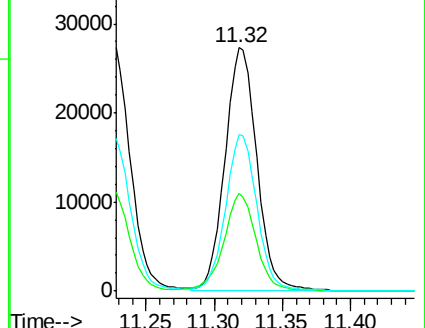
148 63.7 31.6 94.8

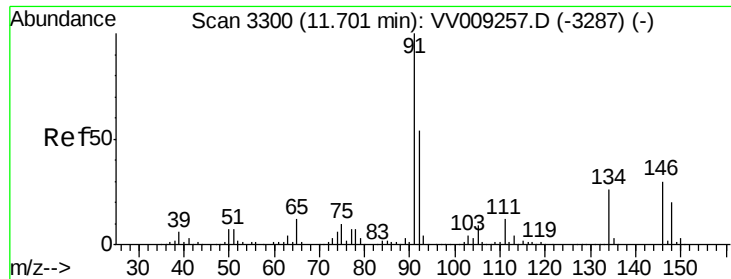


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

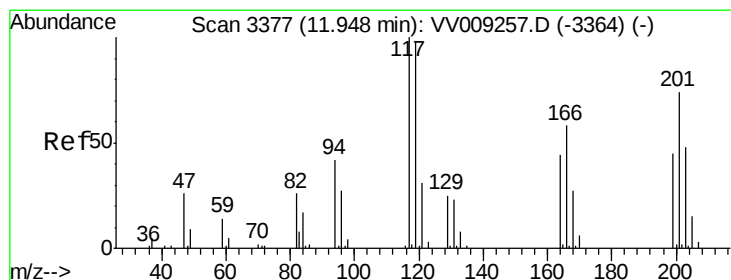
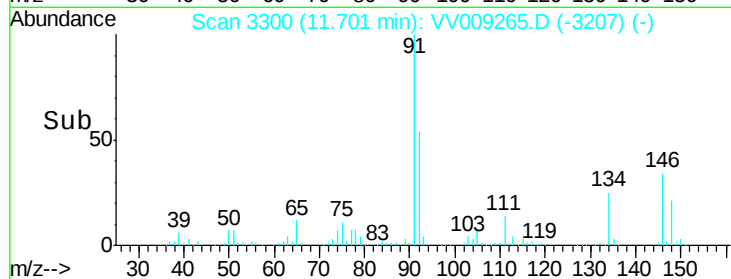
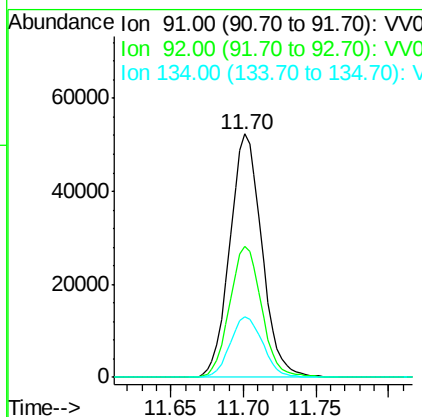
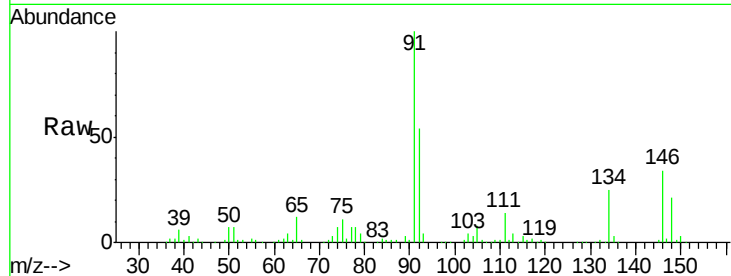




#89
n-Butylbenzene
Concen: 19.620 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

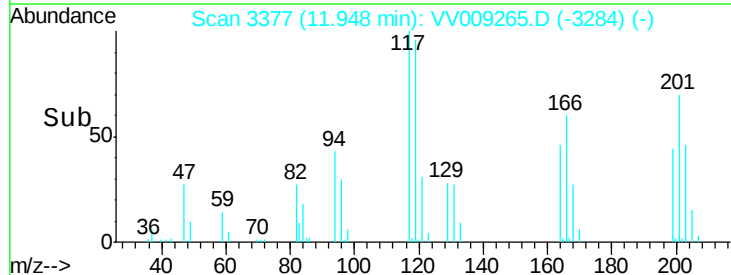
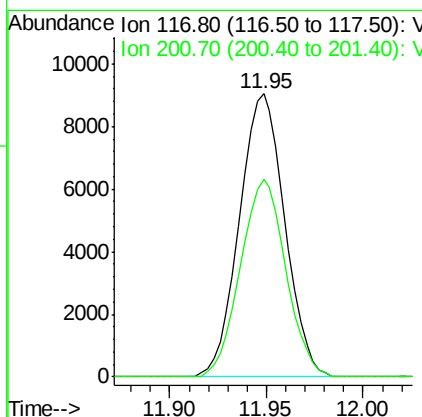
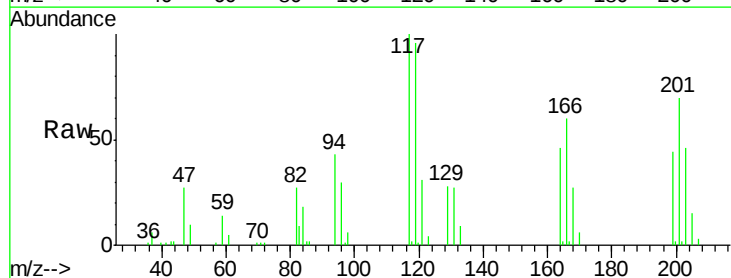
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

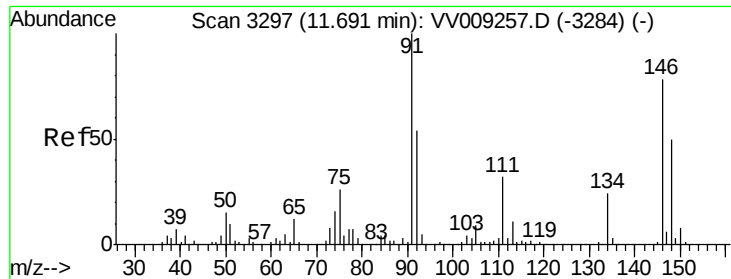
Tot Ion: 91 Resp: 80317
Ion Ratio Lower Upper
91 100
92 53.5 27.1 81.2
134 25.5 13.1 39.3



#90
Hexachloroethane
Concen: 19.719 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion: 117 Resp: 14744
Ion Ratio Lower Upper
117 100
201 69.7 36.4 109.3

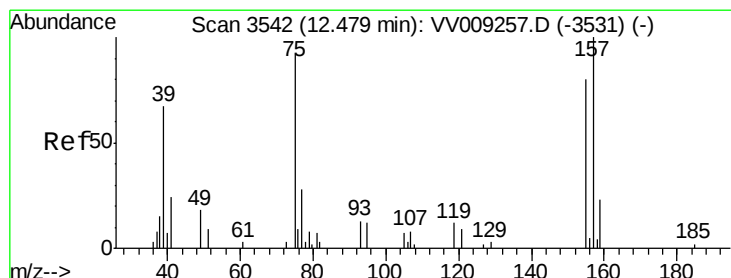
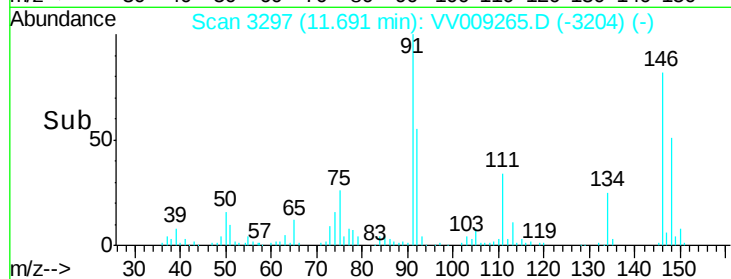
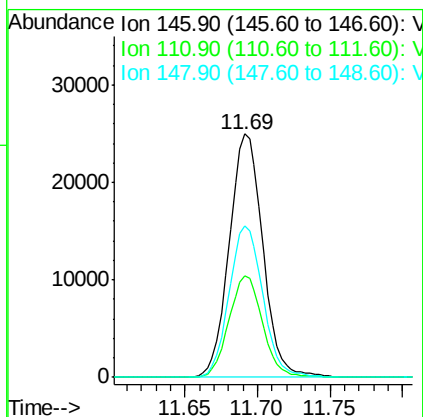
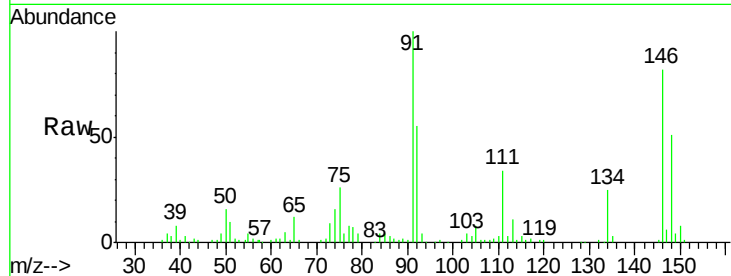




#91
 1,2-Dichlorobenzene
 Concen: 20.904 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

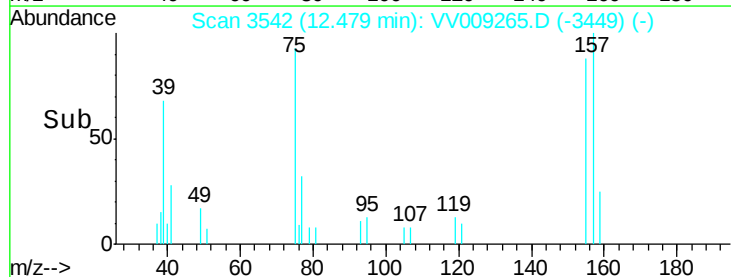
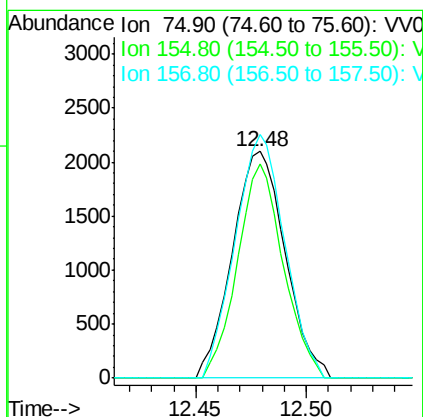
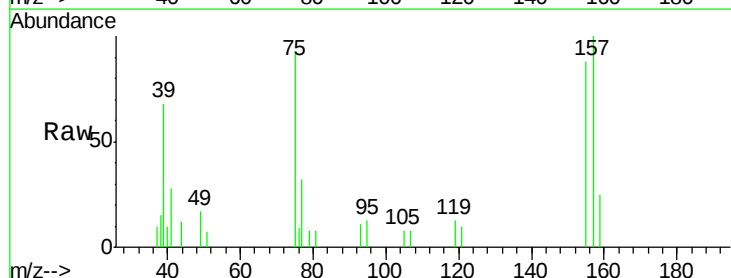
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBSD01

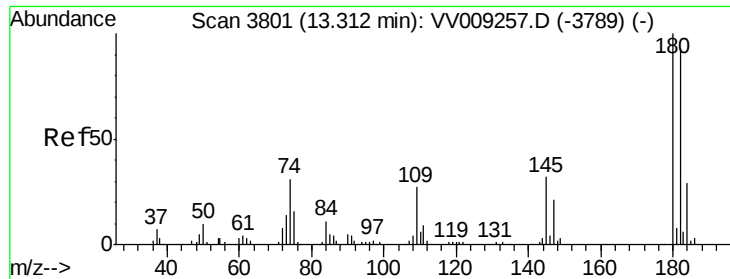
Tot Ion:146 Resp: 40109
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.9 62.7
 148 62.4 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.389 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion: 75 Resp: 3479
 Ion Ratio Lower Upper
 75 100
 155 82.0 41.1 123.4
 157 100.9 53.2 159.6

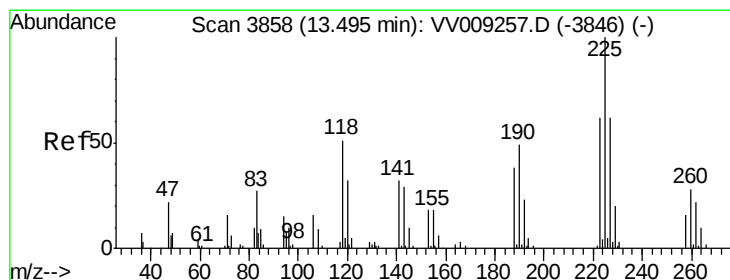
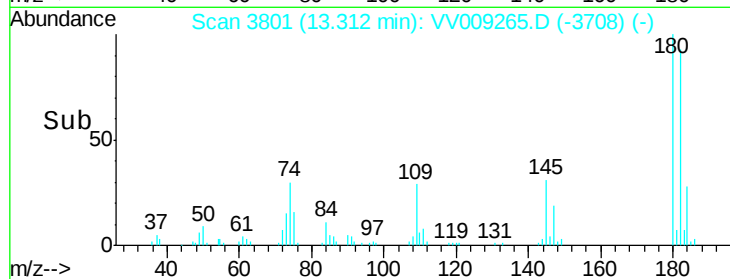
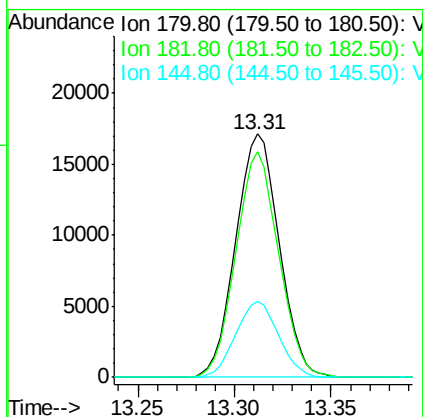
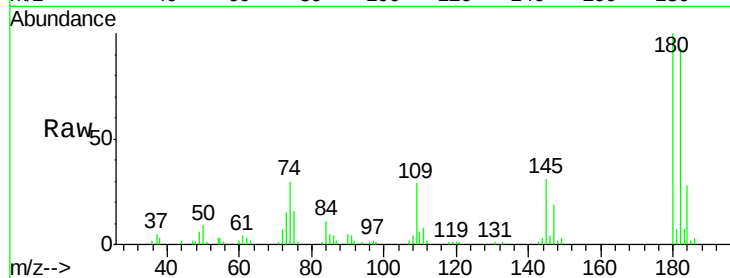




#93
 1,2,4-Trichlorobenzene
 Concen: 19.939 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

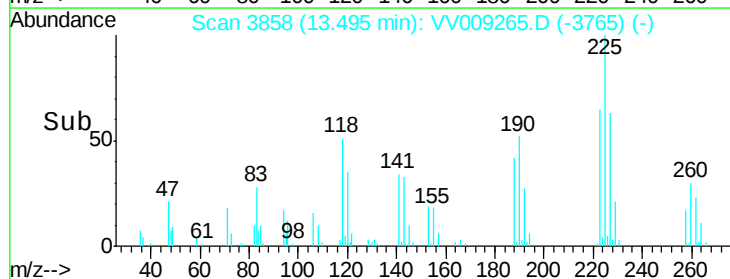
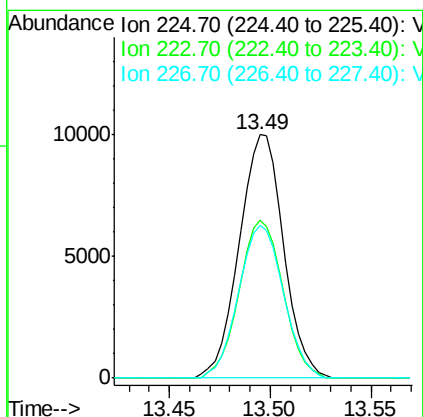
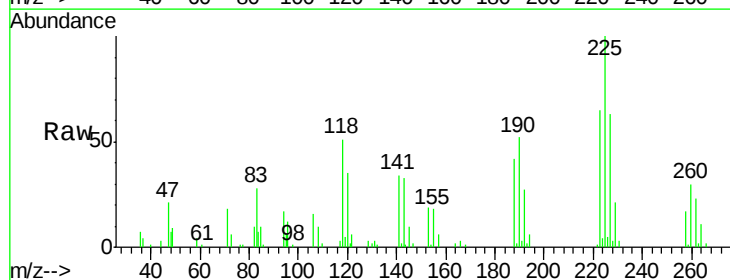
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

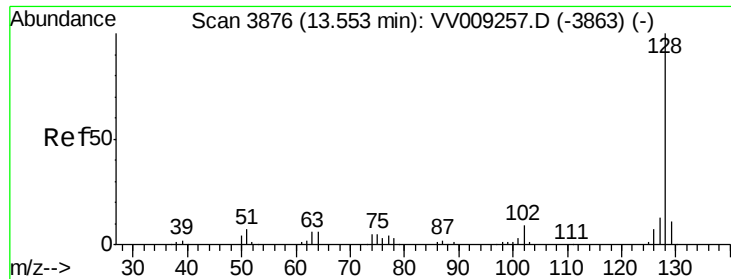
Tot Ion:180 Resp: 26812
 Ion Ratio Lower Upper
 180 100
 182 91.2 47.1 141.4
 145 30.6 15.8 47.4



#94
 Hexachlorobutadiene
 Concen: 20.022 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009265.D
 Acq: 24 Jan 2019 18:26

Tgt Ion:225 Resp: 15390
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.3 93.9
 227 63.4 31.6 94.7

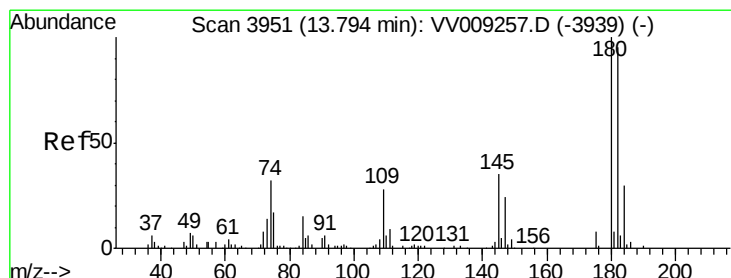
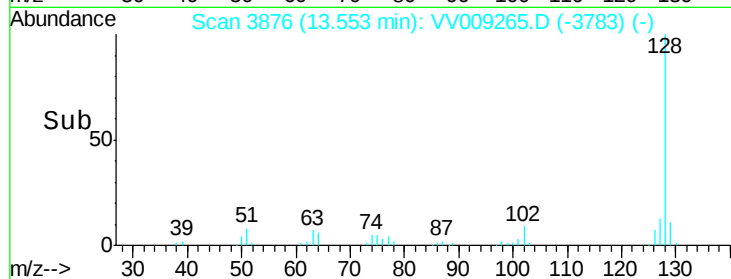
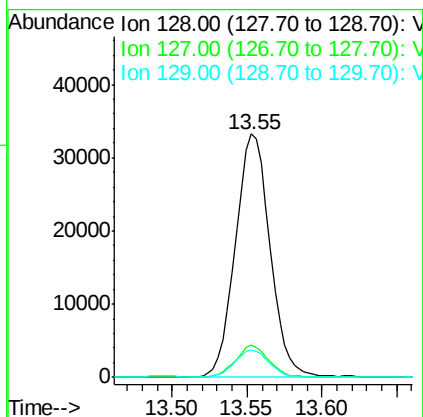
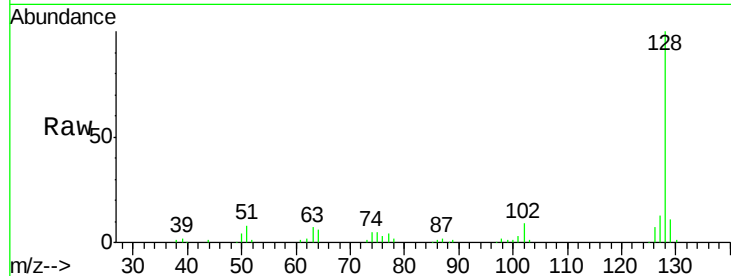




#95
Naphthalene
Concen: 19.919 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion:128 Resp: 53655
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.239 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009265.D
Acq: 24 Jan 2019 18:26

Tgt Ion:180 Resp: 24005
Ion Ratio Lower Upper
180 100
182 96.0 47.5 142.6
145 33.8 17.2 51.6

