

Data File : VV009257.D
Acq On : 24 Jan 2019 13:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_V/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Jan 24 22:56:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 24 22:50:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	78353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	130955	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	122469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	63658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	48863	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	4.64	113	44573	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	7.36	98	168432	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	10.12	95	64762	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	34460	52.694	ug/l	100
3) Chloromethane	1.25	50	43459	50.318	ug/l	100
4) Vinyl Chloride	1.33	62	44784	46.621	ug/l	100
5) Bromomethane	1.53	94	23785	44.073	ug/l	100
6) Chloroethane	1.60	64	22779	43.099	ug/l	100
7) Trichlorofluoromethane	1.76	101	20309	32.088	ug/l	100
8) Diethyl Ether	1.96	74	20081	47.309	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.14	101	37968	45.636	ug/l	100
10) Methyl Iodide	2.26	142	59561	44.896	ug/l	100
11) Tert butyl alcohol	2.66	59	17147	238.616	ug/l	100
12) 1,1-Dichloroethene	2.14	96	37734	46.026	ug/l	100
13) Acrolein	2.06	56	11456	209.561	ug/l	100
14) Allyl chloride	2.42	41	54679	39.735	ug/l	100
15) Acrylonitrile	2.76	53	48227	257.499	ug/l	100
16) Acetone	2.18	43	55443	216.945	ug/l	100
17) Carbon Disulfide	2.32	76	109165	43.936	ug/l	100
18) Methyl Acetate	2.45	43	29923	43.472	ug/l	100
19) Methyl tert-butyl Ether	2.80	73	59678	46.540	ug/l	100
20) Methylene Chloride	2.53	84	39350	41.288	ug/l	100
21) trans-1,2-Dichloroethene	2.78	96	37751	43.228	ug/l	100
22) Diisopropyl ether	3.32	45	129887	43.622	ug/l	100
23) Vinyl Acetate	3.30	43	417926	252.542	ug/l	100
24) 1,1-Dichloroethane	3.22	63	79977	43.232	ug/l	100
25) 2-Butanone	4.01	43	79815	265.349	ug/l	100
26) 2,2-Dichloropropane	3.95	77	42129	41.344	ug/l	100
27) cis-1,2-Dichloroethene	3.95	96	48409	45.604	ug/l	100
28) Bromochloromethane	4.29	49	35347	50.455	ug/l	100
29) Tetrahydrofuran	4.39	42	47650	285.781	ug/l	100
30) Chloroform	4.42	83	80170	43.249	ug/l	100
31) Cyclohexane	4.72	56	72551	42.892	ug/l	100
32) 1,1,1-Trichloroethane	4.65	97	63871	41.343	ug/l	100
36) 1,1-Dichloropropene	4.87	75	62423	43.859	ug/l	100
37) Ethyl Acetate	4.12	43	33454	57.985	ug/l	100
38) Carbon Tetrachloride	4.87	117	60098	42.607	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	78644	46.489	ug/l	100
40) Benzene	5.14	78	180323	45.178	ug/l	100
41) Methacrylonitrile	4.31	41	18491	54.015	ug/l	100
42) 1,2-Dichloroethane	5.18	62	55914	44.731	ug/l	100
43) Isopropyl Acetate	5.32	43	62539	55.744	ug/l	100
44) Trichloroethene	5.96	130	47087	44.737	ug/l	100
45) 1,2-Dichloropropane	6.22	63	43914	45.548	ug/l	100
46) Dibromomethane	6.35	93	25689	51.237	ug/l	100
47) Bromodichloromethane	6.55	83	58883	45.233	ug/l	100
48) Methyl methacrylate	6.42	41	30458	53.469	ug/l	100
49) 1,4-Dioxane	6.41	88	8533	1269.879	ug/l	100
51) 4-Methyl-2-Pentanone	7.27	43	161812	282.718	ug/l	100
52) Toluene	7.43	92	112606	44.718	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	60358	47.298	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	68400	46.757	ug/l	100
55) 1,1,2-Trichloroethane	7.88	97	35812	50.358	ug/l	100
56) Ethyl methacrylate	7.83	69	43716	52.865	ug/l	100
57) 1,3-Dichloropropane	8.05	76	62111	48.784	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.94	63	2754	200.145	ug/l	100
59) 2-Hexanone	8.18	43	115569	280.490	ug/l	100
60) Dibromochloromethane	8.29	129	40882	49.511	ug/l	100
61) 1,2-Dibromoethane	8.40	107	35486	51.092	ug/l	100
64) Tetrachloroethene	8.02	164	38727	45.524	ug/l	100
65) Chlorobenzene	8.93	112	123860	44.440	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	42795	44.941	ug/l	100
67) Ethyl Benzene	9.05	91	215609	43.772	ug/l	100
68) m/p-Xylenes	9.18	106	168875	90.023	ug/l	100
69) o-Xylene	9.59	106	77782	44.772	ug/l	100
70) Styrene	9.60	104	129256	46.374	ug/l	100
71) Bromoform	9.78	173	23666	51.654	ug/l	# 100
73) Isopropylbenzene	9.97	105	217841	42.773	ug/l	100
74) N-amyl acetate	9.84	43	51440	52.573	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.29	83	45897	51.375	ug/l	100
76) 1,2,3-Trichloropropane	10.32	75	48455	69.368	ug/l	92
77) Bromobenzene	10.26	156	50375	45.479	ug/l	100
78) n-propylbenzene	10.40	91	257885	42.674	ug/l	100
79) 2-Chlorotoluene	10.47	91	153463	42.073	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	184292	43.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	12987	52.750	ug/l	100
82) 4-Chlorotoluene	10.58	91	182956	42.467	ug/l	100
83) tert-Butylbenzene	10.91	119	177133	43.416	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	187513	43.369	ug/l	100
85) sec-Butylbenzene	11.13	105	228857	42.855	ug/l	100
86) p-Isopropyltoluene	11.29	119	201924	43.166	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	100432	43.910	ug/l	100
88) 1,4-Dichlorobenzene	11.32	146	102142	44.146	ug/l	100
89) n-Butylbenzene	11.70	91	193459	42.663	ug/l	100
90) Hexachloroethane	11.95	117	34932	42.219	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	90147	44.536	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	7665	51.317	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012419\
Quantitation Report (Not Reviewed)

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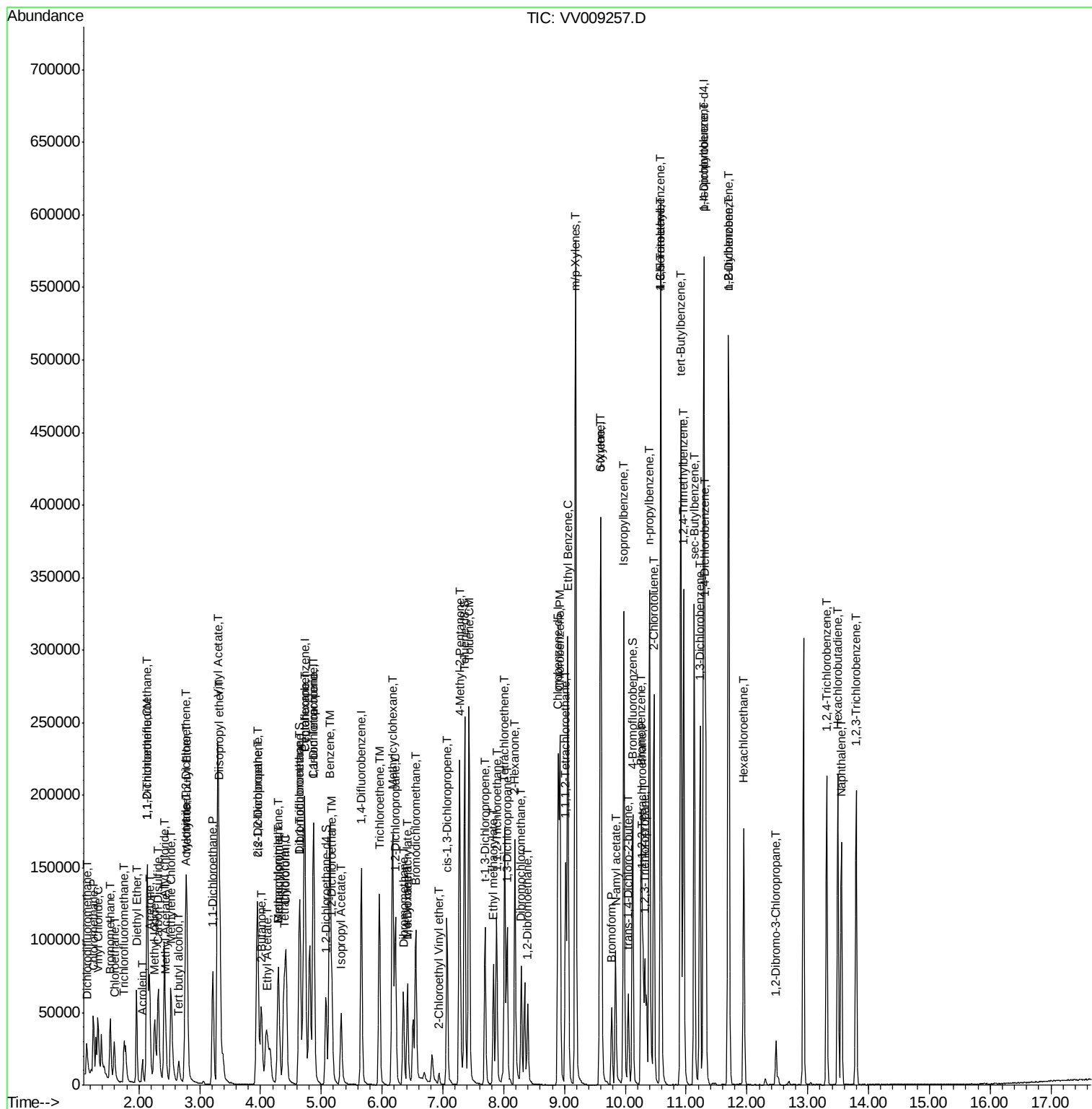
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	63129	47.943	ug/l	100
94) Hexachlorobutadiene	13.49	225	35958	44.309	ug/l	100
95) Naphthalene	13.55	128	127378	54.494	ug/l	100
96) 1,2,3-Trichlorobenzene	13.79	180	55889	49.717	ug/l	100

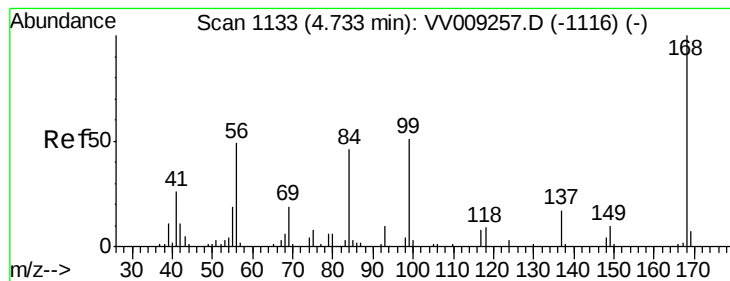
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

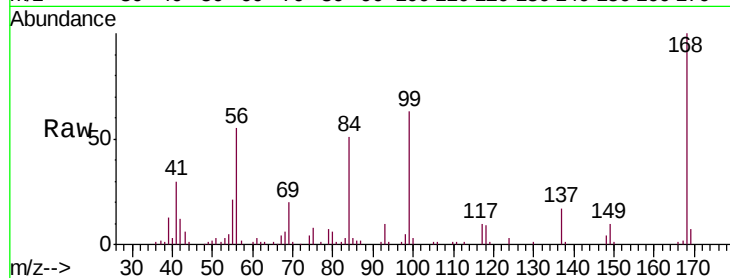
VSTDICCC050

Tgt Ion:168 Resp: 78353

Ion Ratio Lower Upper

168 100

99 62.5 50.0 75.0

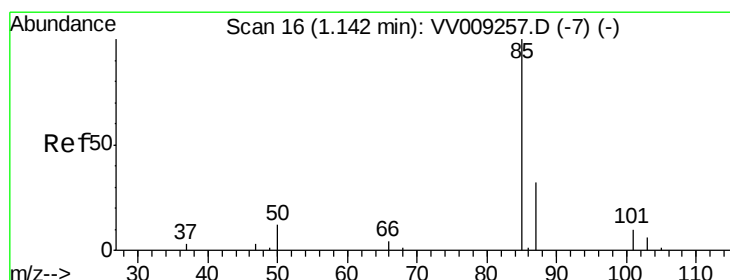
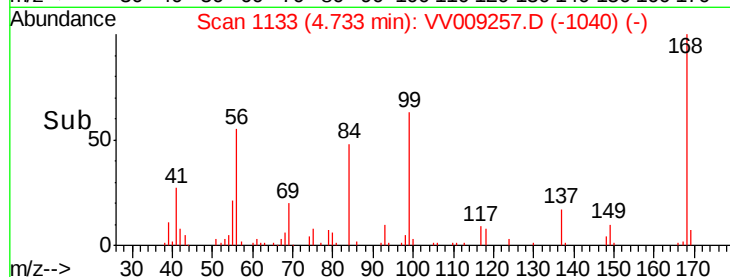


Abundance Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)

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

4.73

Time-->



#2

Dichlorodifluoromethane

Concen: 52.694 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009257.D

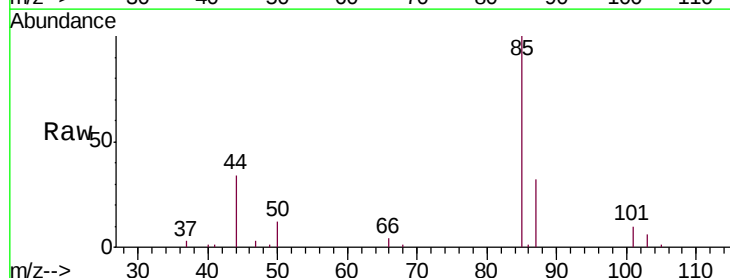
Acq: 24 Jan 2019 13:48

Tgt Ion: 85 Resp: 34460

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9

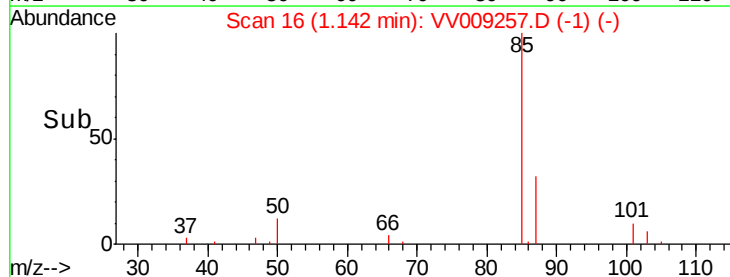


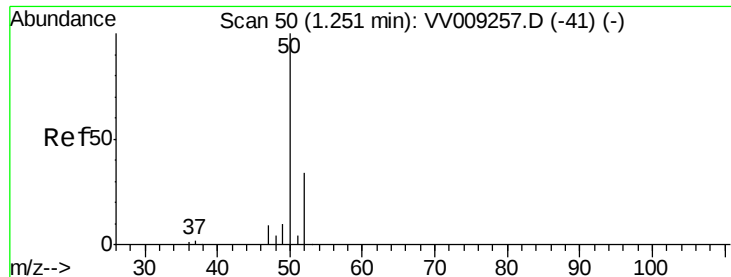
Abundance Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)

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

1.14

Time-->





#3

Chloromethane

Concen: 50.318 ug/l

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

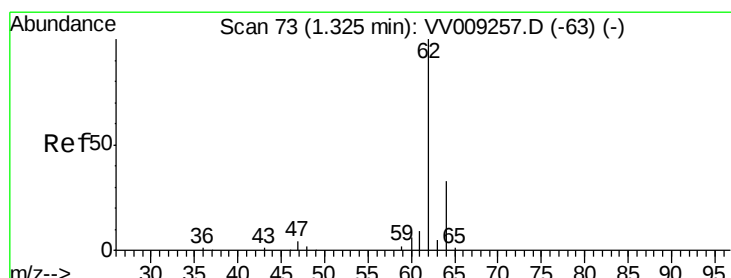
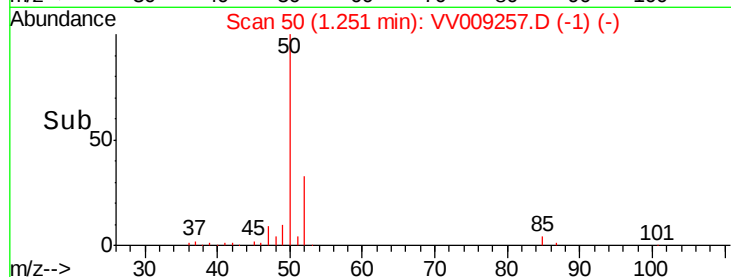
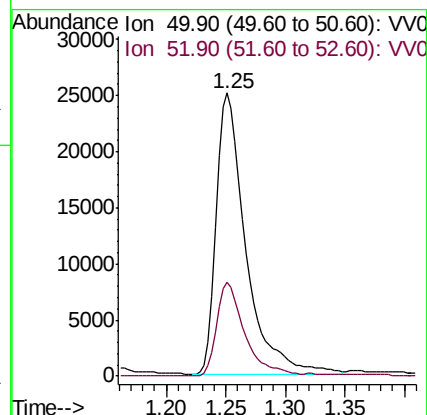
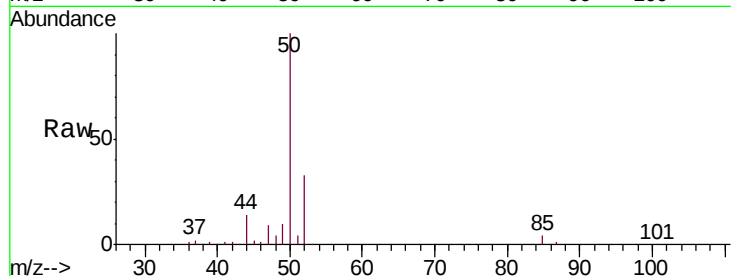
VSTDICCC050

Tgt Ion: 50 Resp: 43459

Ion Ratio Lower Upper

50 100

52 33.5 26.8 40.2



#4

Vinyl Chloride

Concen: 46.621 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009257.D

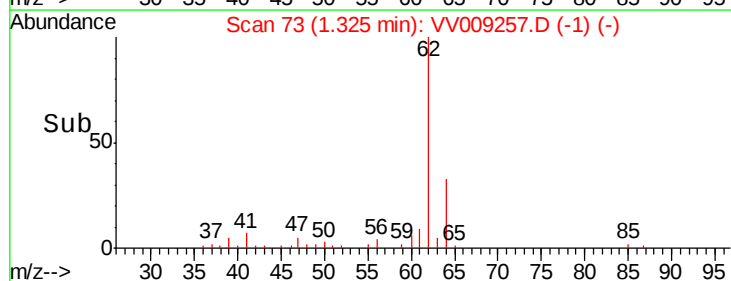
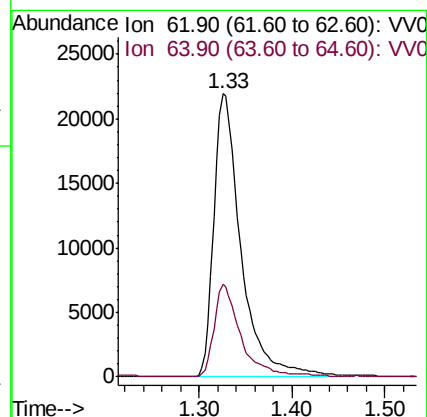
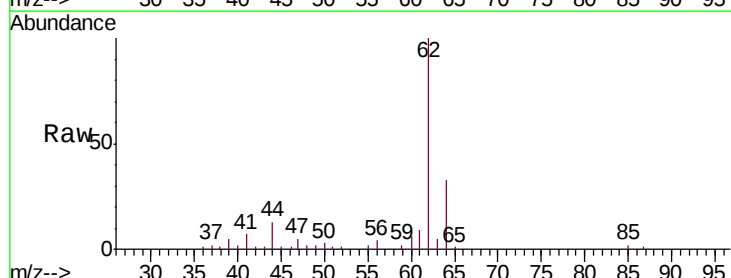
Acq: 24 Jan 2019 13:48

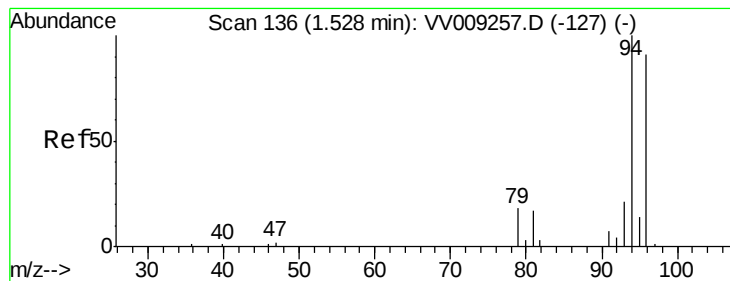
Tgt Ion: 62 Resp: 44784

Ion Ratio Lower Upper

62 100

64 32.9 26.3 39.5





#5

Bromomethane

Concen: 44.073 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

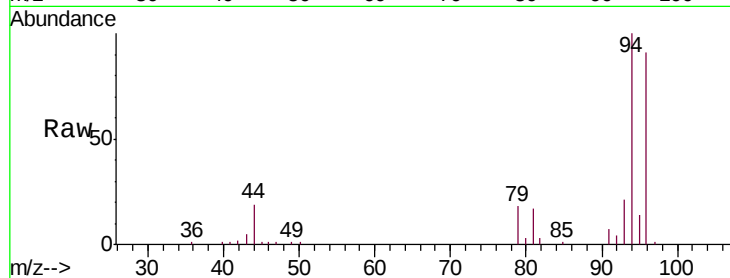
VSTDICCC050

Tgt Ion: 94 Resp: 23785

Ion Ratio Lower Upper

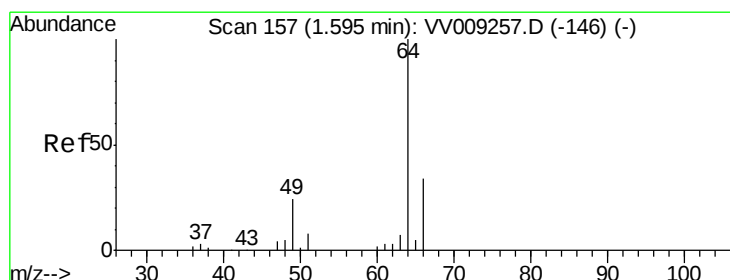
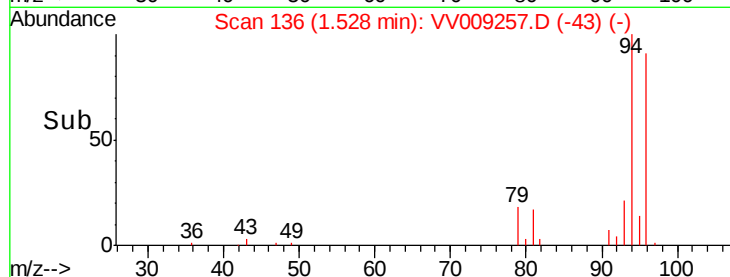
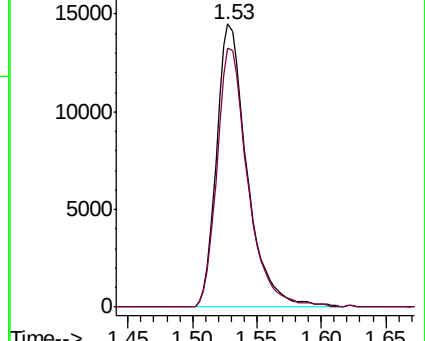
94 100

96 91.3 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VV009257.D (-127) (-)

Ion 95.90 (95.60 to 96.60): VV009257.D (-127) (-)



#6

Chloroethane

Concen: 43.099 ug/l

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009257.D

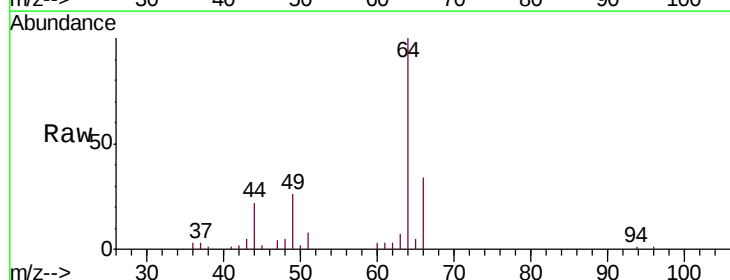
Acq: 24 Jan 2019 13:48

Tgt Ion: 64 Resp: 22779

Ion Ratio Lower Upper

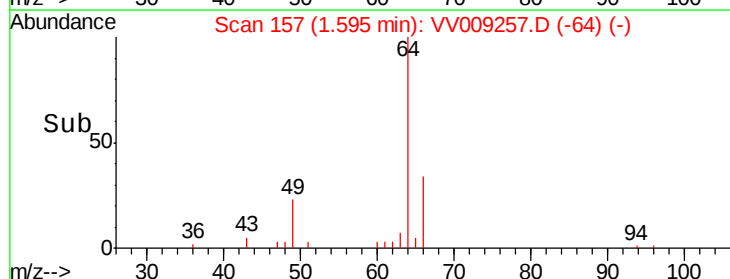
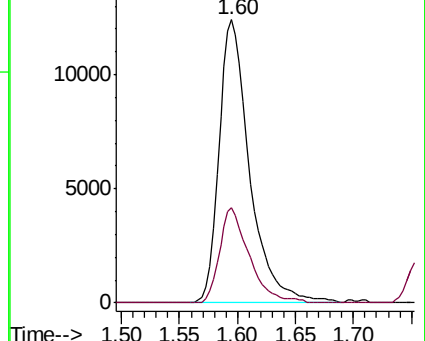
64 100

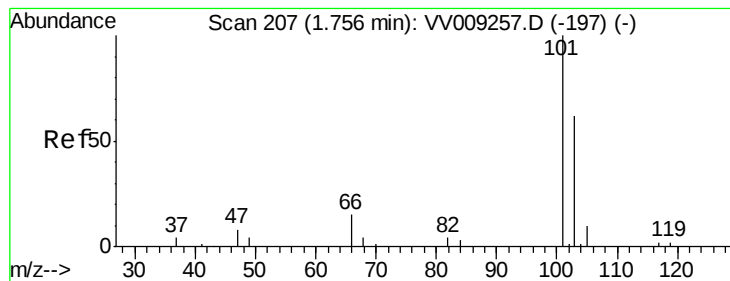
66 33.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VV009257.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009257.D (-146) (-)



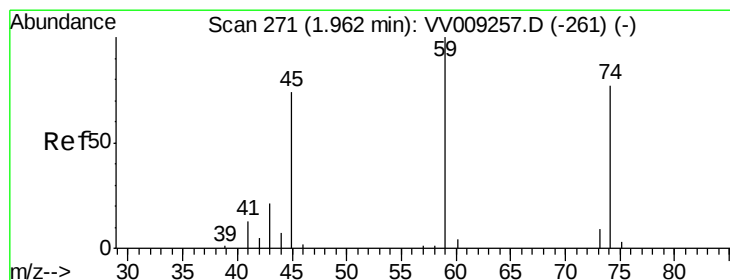
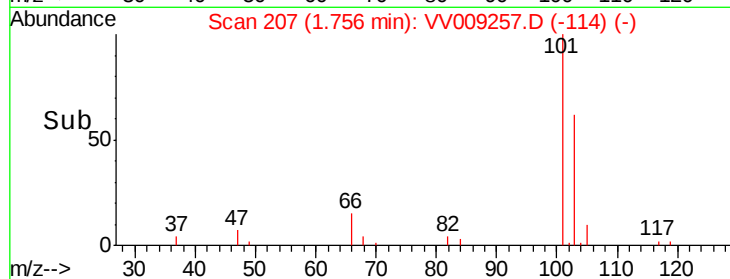
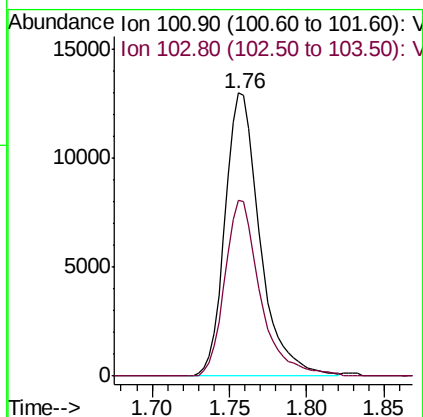
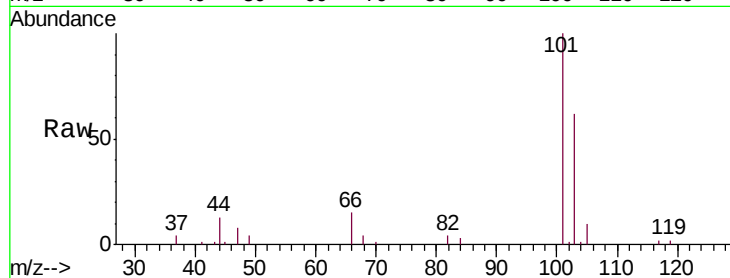


#7

Trichlorofluoromethane
 Concen: 32.088 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
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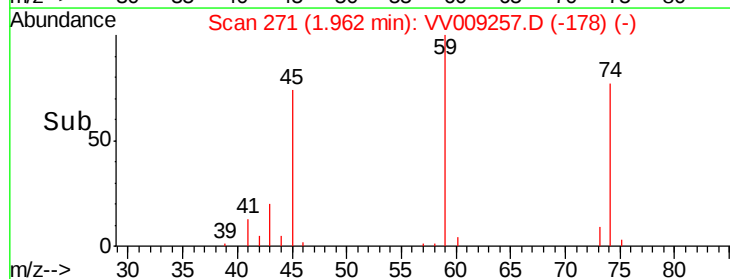
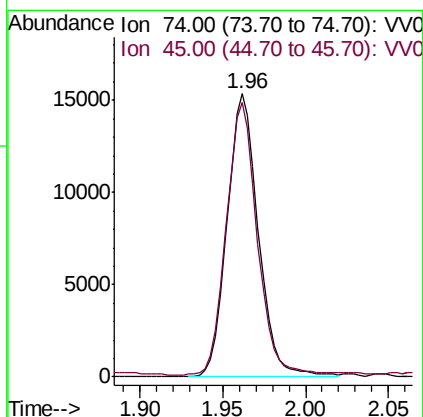
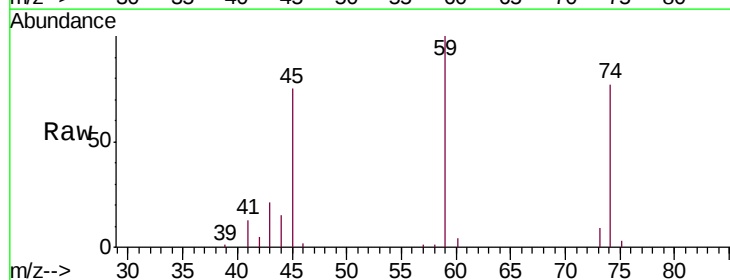
Tgt Ion:101 Resp: 20309
 Ion Ratio Lower Upper
 101 100
 103 62.3 49.8 74.8

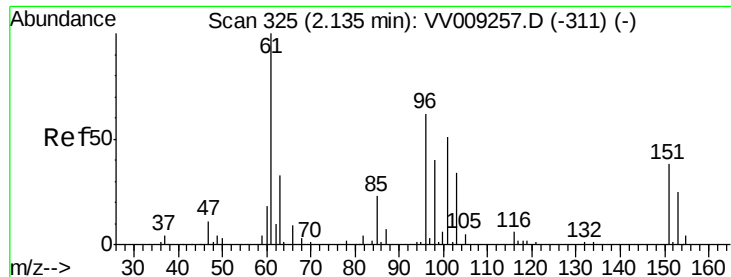


#8

Diethyl Ether
 Concen: 47.309 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion: 74 Resp: 20081
 Ion Ratio Lower Upper
 74 100
 45 94.8 47.4 142.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.636 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009257.D

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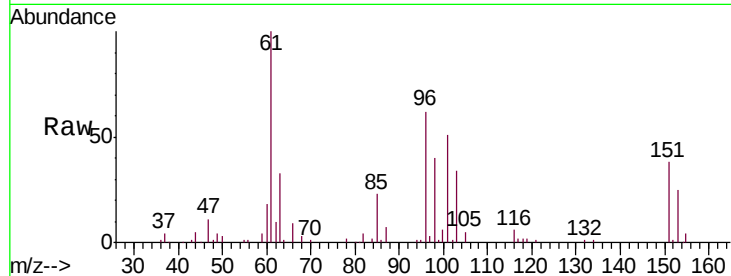
Tgt Ion:101 Resp: 37968

Ion Ratio Lower Upper

101 100

85 42.2 33.8 50.6

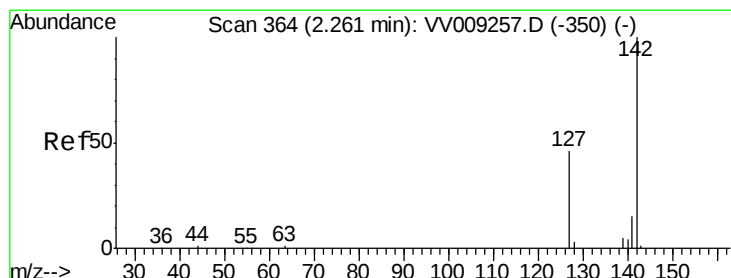
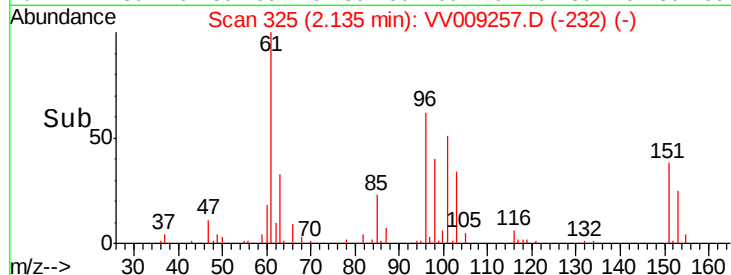
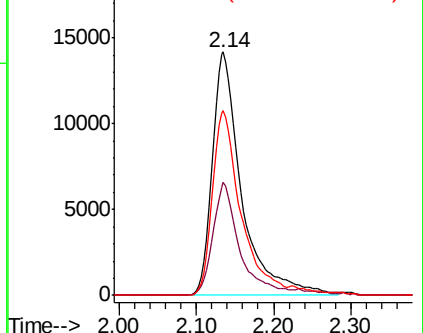
151 72.9 58.3 87.5



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: 44.896 ug/l

RT: 2.26 min Scan# 364

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

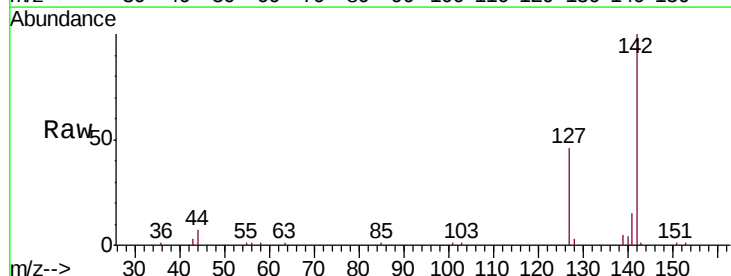
Tgt Ion:142 Resp: 59561

Ion Ratio Lower Upper

142 100

127 46.0 36.8 55.2

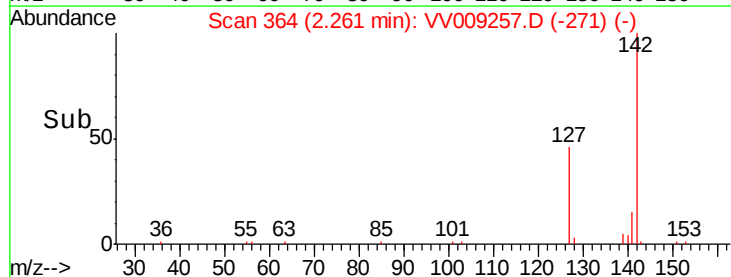
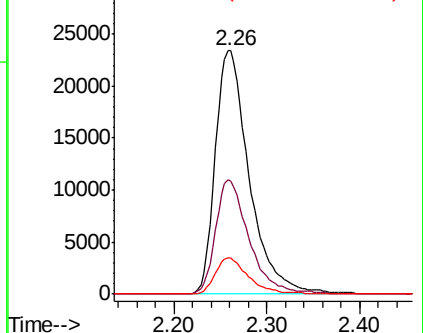
141 14.5 11.6 17.4

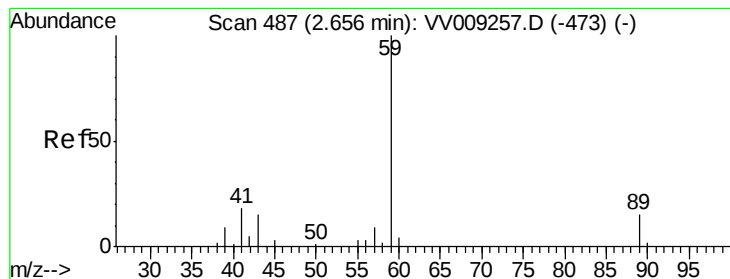


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



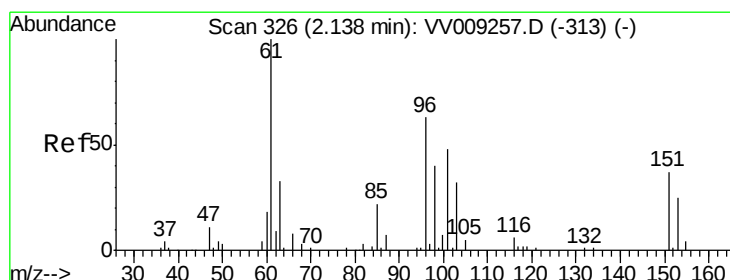
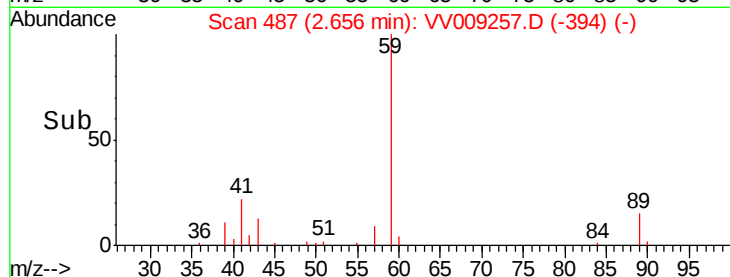
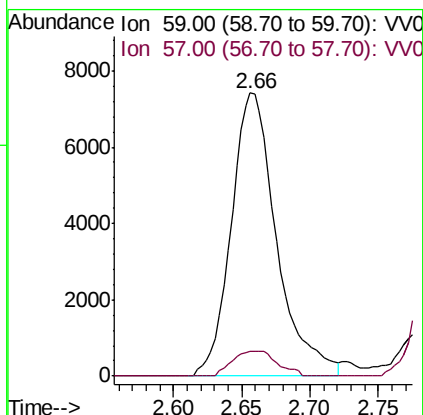
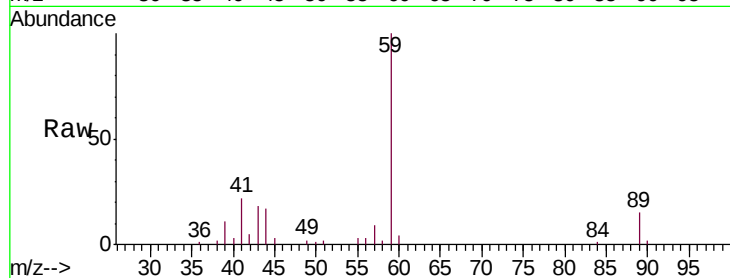


#11

Tert butyl alcohol
 Concen: 238.616 ug/l
 RT: 2.66 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

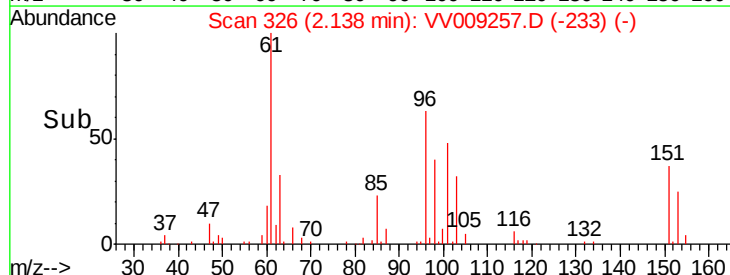
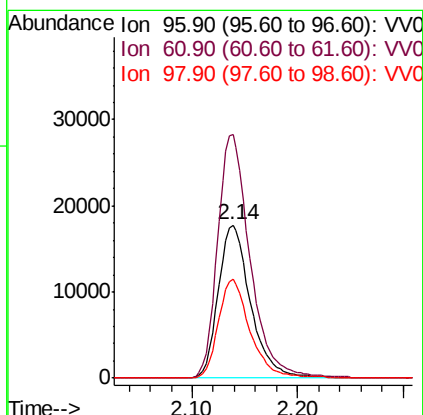
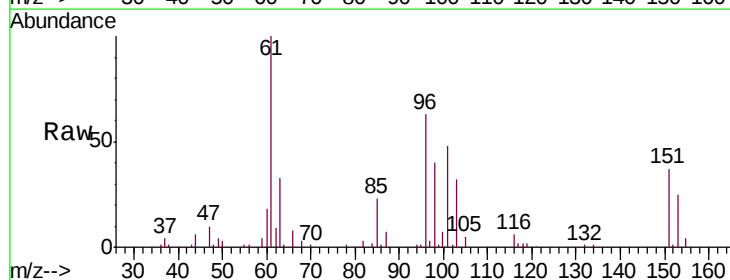
Tgt Ion: 59 Resp: 17147
 Ion Ratio Lower Upper
 59 100
 57 8.7 7.0 10.4

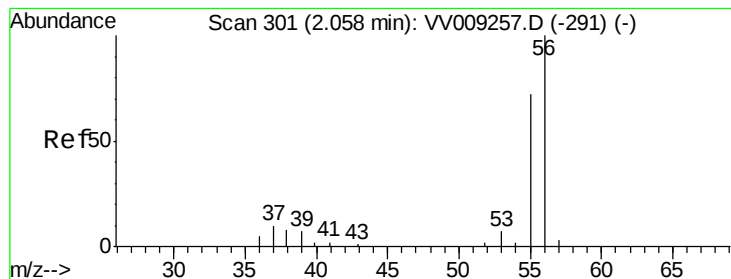


#12

1,1-Dichloroethene
 Concen: 46.026 ug/l
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion: 96 Resp: 37734
 Ion Ratio Lower Upper
 96 100
 61 159.0 127.2 190.8
 98 64.4 51.5 77.3





#13

Acrolein

Concen: 209.561 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

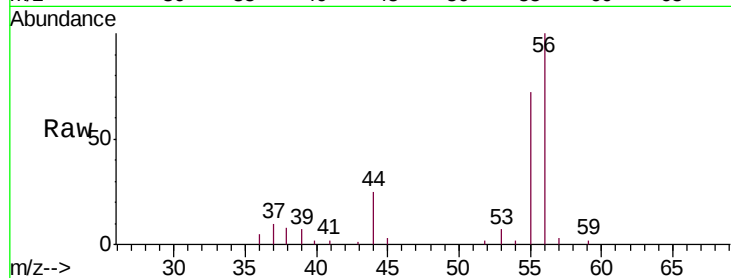
VSTDICCC050

Tgt Ion: 56 Resp: 11456

Ion Ratio Lower Upper

56 100

55 68.5 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VV009257.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009257.D (-291) (-)

2.06

8000

6000

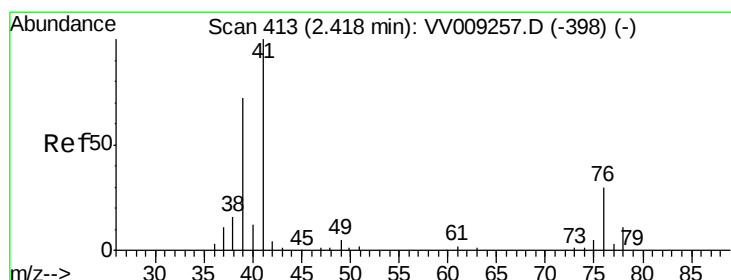
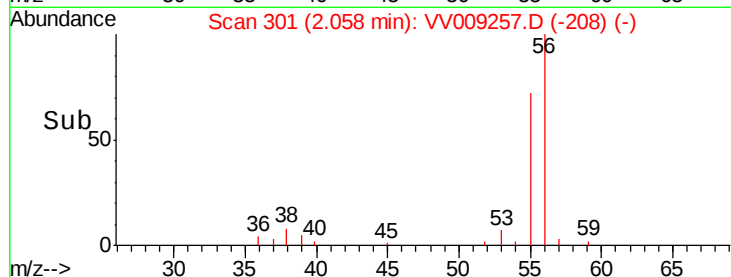
4000

2000

0

Time-->

2.00 2.05 2.10 2.15



#14

Allyl chloride

Concen: 39.735 ug/l

RT: 2.42 min Scan# 413

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

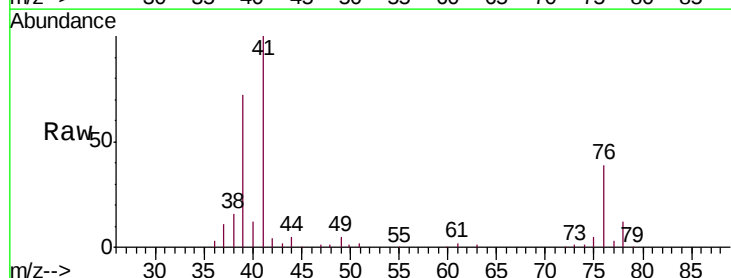
Tgt Ion: 41 Resp: 54679

Ion Ratio Lower Upper

41 100

39 70.5 56.4 84.6

76 38.3 30.6 46.0



Abundance Ion 41.00 (40.70 to 41.70): VV009257.D (-398) (-)

Ion 39.00 (38.70 to 39.70): VV009257.D (-398) (-)

Ion 75.90 (75.60 to 76.60): VV009257.D (-398) (-)

2.42

60000

50000

40000

30000

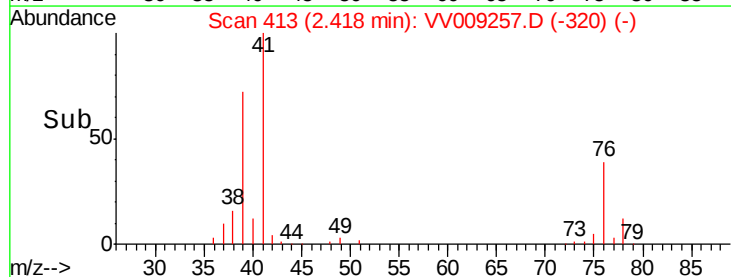
20000

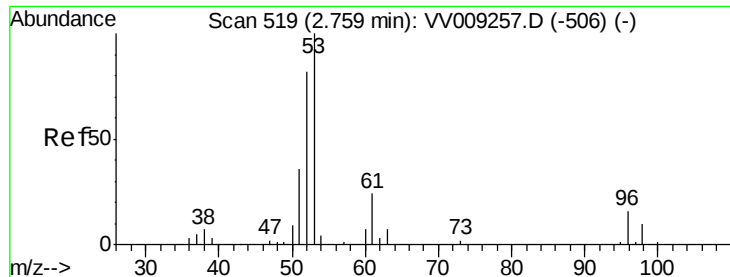
10000

0

Time-->

2.35 2.40 2.45 2.50





#15

Acrylonitrile

Concen: 257.499 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

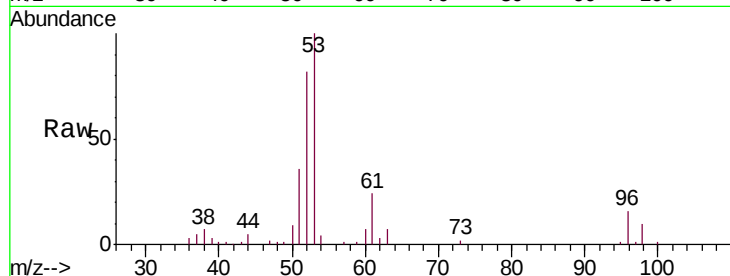
Tgt Ion: 53 Resp: 48227

Ion Ratio Lower Upper

53 100

52 84.0 67.2 100.8

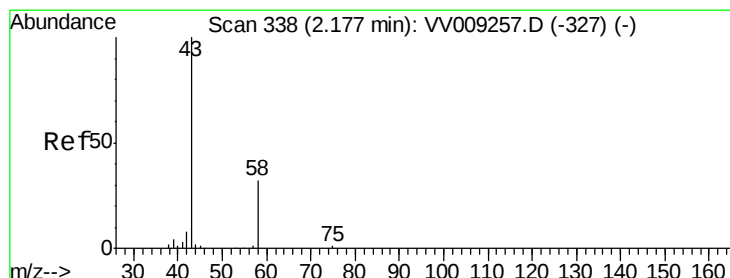
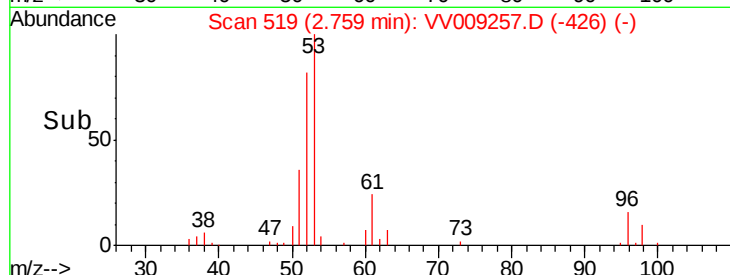
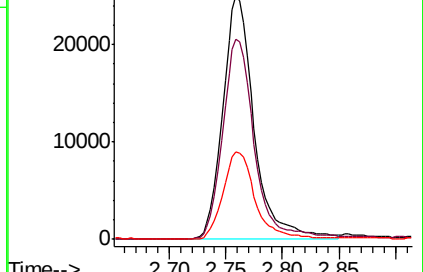
51 37.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VV009257.D (-506) (-)

Ion 52.00 (51.70 to 52.70): VV009257.D (-506) (-)

Ion 51.00 (50.70 to 51.70): VV009257.D (-506) (-)



#16

Acetone

Concen: 216.945 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009257.D

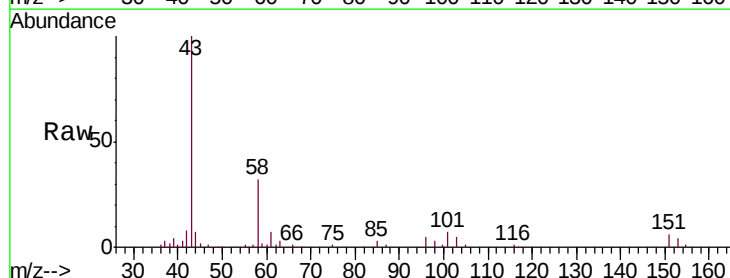
Acq: 24 Jan 2019 13:48

Tgt Ion: 43 Resp: 55443

Ion Ratio Lower Upper

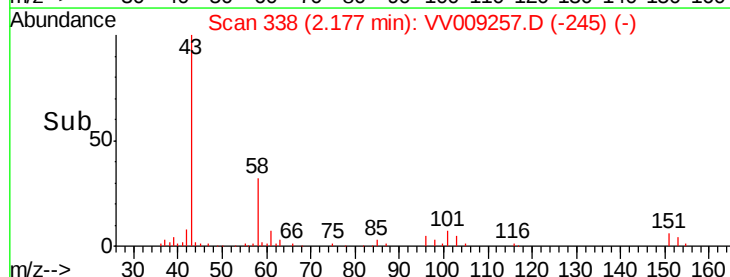
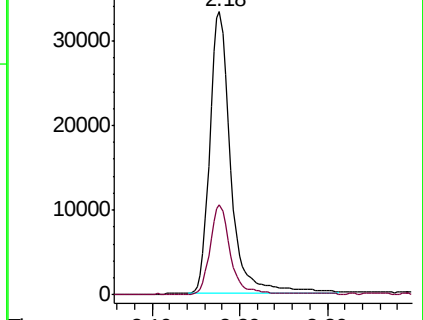
43 100

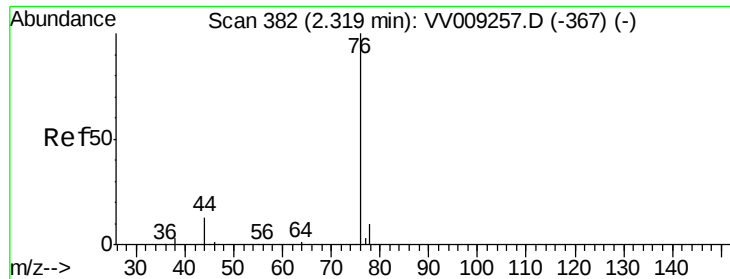
58 32.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-327) (-)

Ion 58.00 (57.70 to 58.70): VV009257.D (-327) (-)

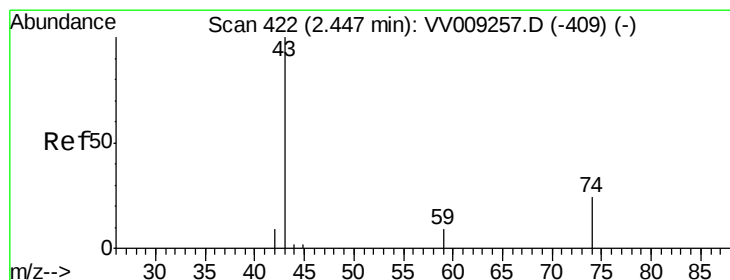
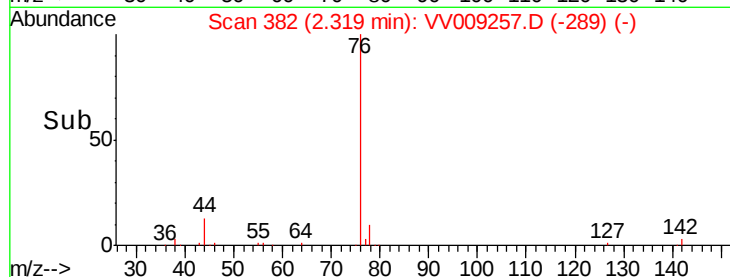
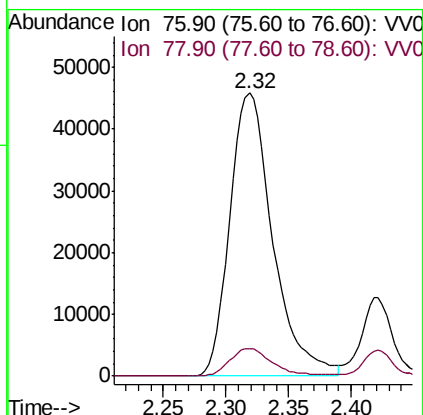
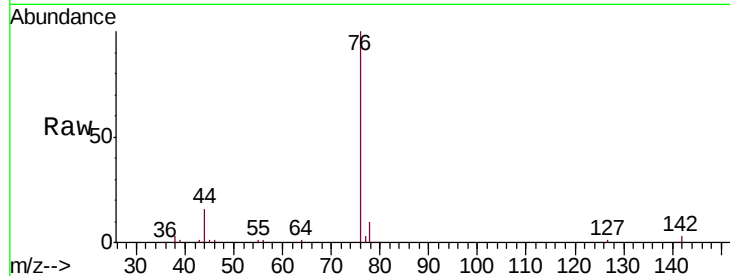




#17
Carbon Disulfide
Concen: 43.936 ug/l
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

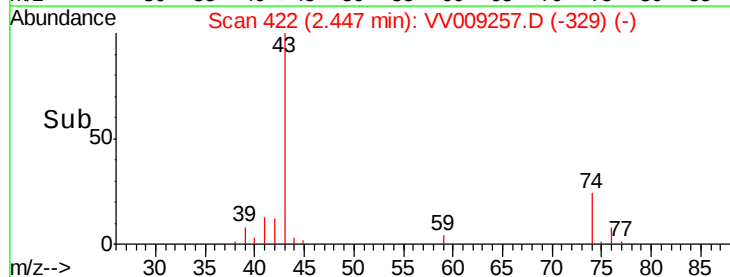
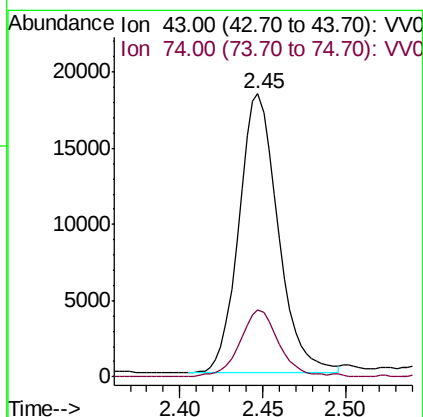
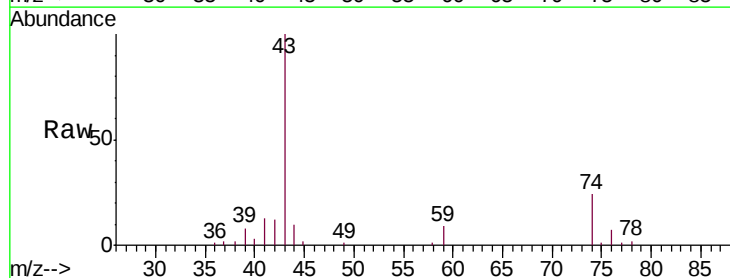
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

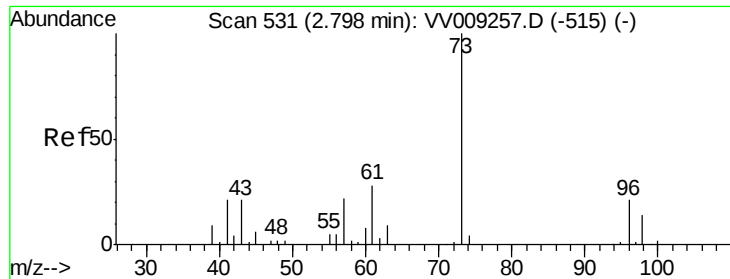
Tgt Ion: 76 Resp: 109165
Ion Ratio Lower Upper
76 100
78 9.9 7.9 11.9



#18
Methyl Acetate
Concen: 43.472 ug/l
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 43 Resp: 29923
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2

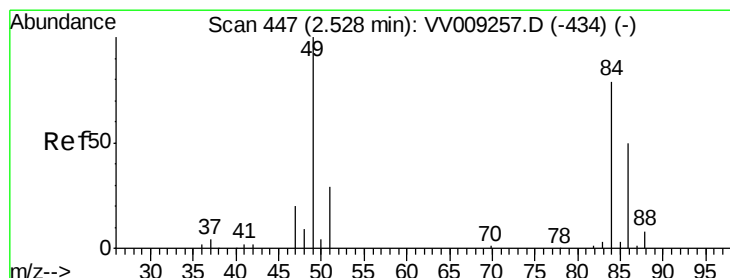
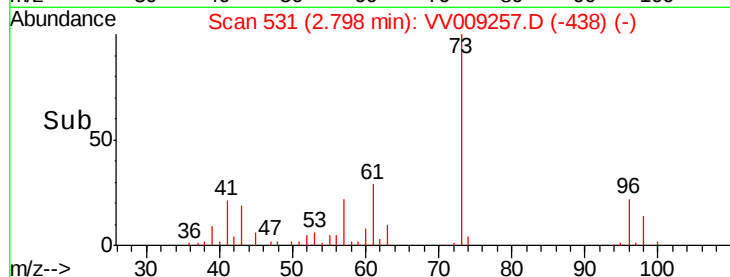
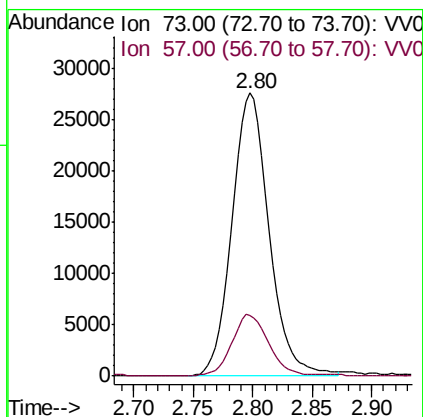
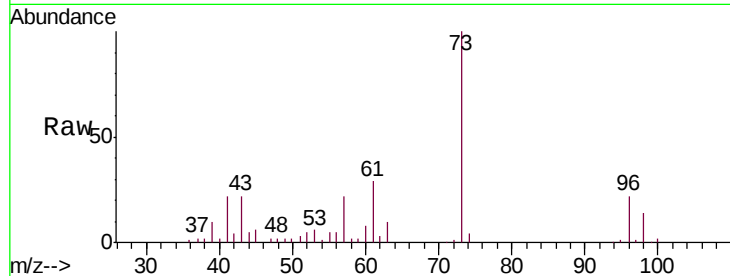




#19
Methyl tert-butyl Ether
Concen: 46.540 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

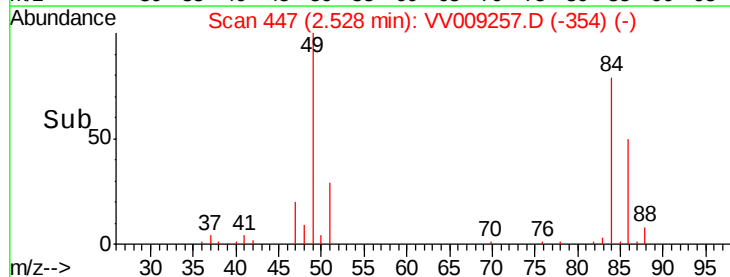
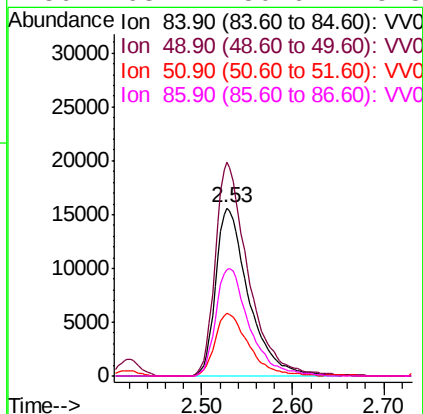
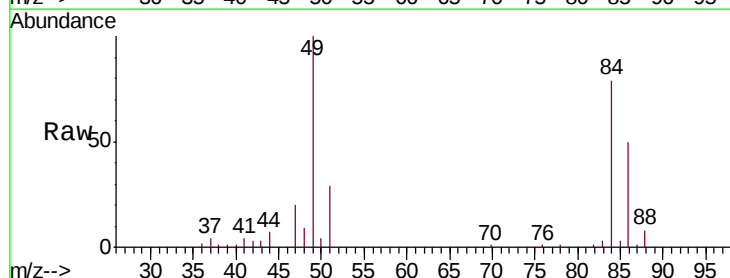
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

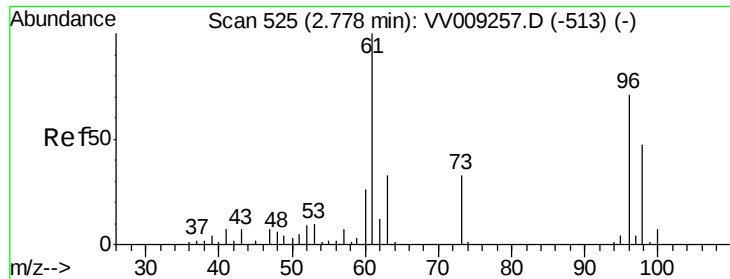
Tgt Ion: 73 Resp: 59678
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9



#20
Methylene Chloride
Concen: 41.288 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 84 Resp: 39350
Ion Ratio Lower Upper
84 100
49 126.9 101.5 152.3
51 37.0 29.6 44.4
86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 43.228 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

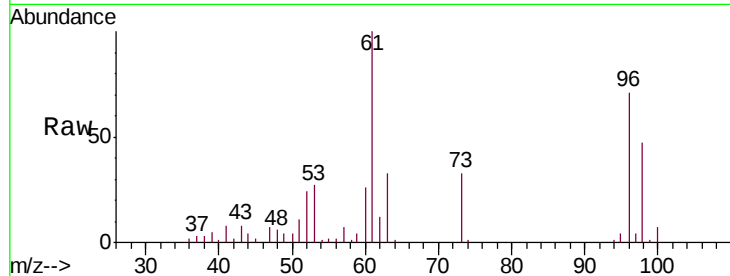
Tgt Ion: 96 Resp: 37751

Ion Ratio Lower Upper

96 100

61 140.1 112.1 168.1

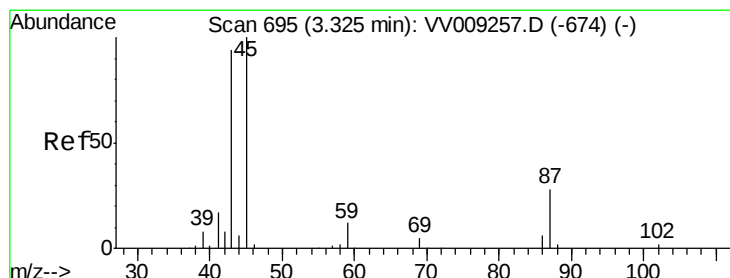
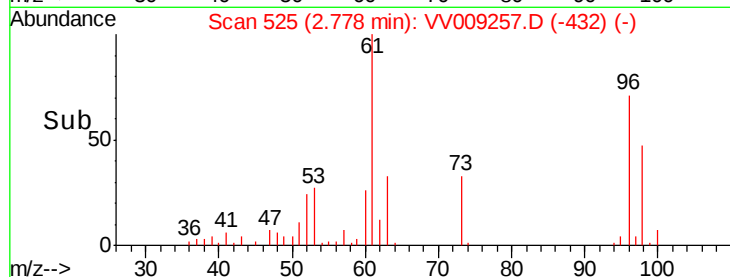
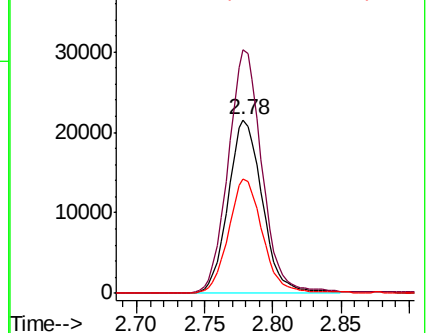
98 66.0 52.8 79.2



Abundance Ion 95.90 (95.60 to 96.60): VV009257.D (-513) (-)

Ion 60.90 (60.60 to 61.60): VV009257.D (-513) (-)

Ion 97.90 (97.60 to 98.60): VV009257.D (-513) (-)



#22

Diisopropyl ether

Concen: 43.622 ug/l

RT: 3.32 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Tgt Ion: 45 Resp: 129887

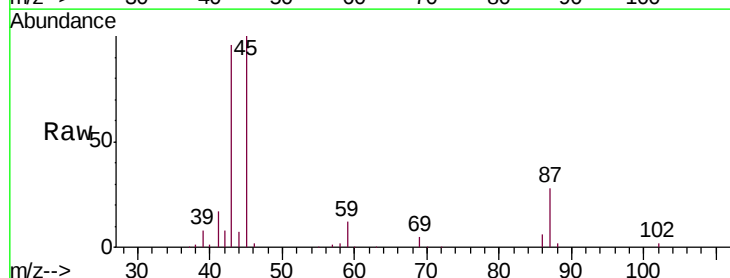
Ion Ratio Lower Upper

45 100

43 94.1 75.3 112.9

87 28.0 22.4 33.6

59 11.6 9.3 13.9

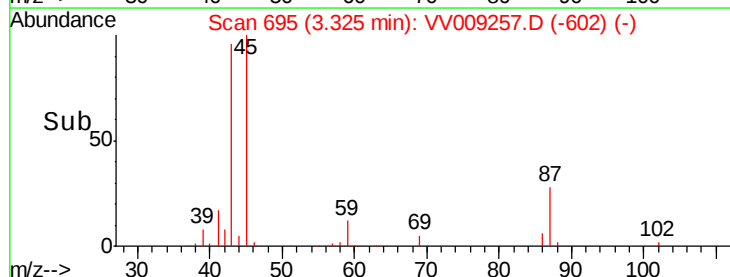
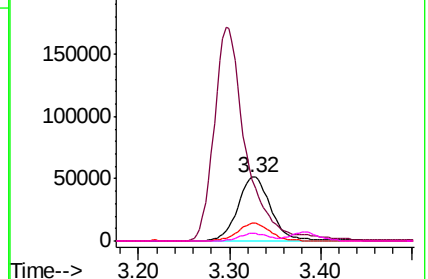


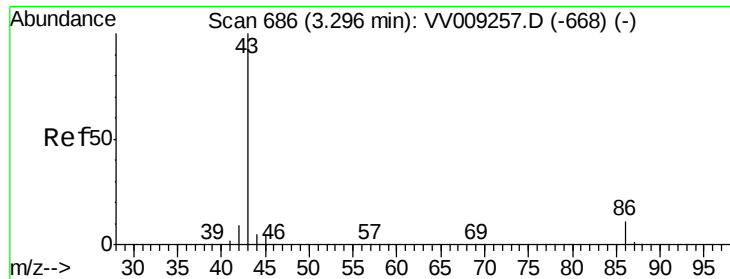
Abundance Ion 45.00 (44.70 to 45.70): VV009257.D (-674) (-)

Ion 43.00 (42.70 to 43.70): VV009257.D (-674) (-)

Ion 87.00 (86.70 to 87.70): VV009257.D (-674) (-)

Ion 59.00 (58.70 to 59.70): VV009257.D (-674) (-)





#23

Vinyl Acetate

Concen: 252.542 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

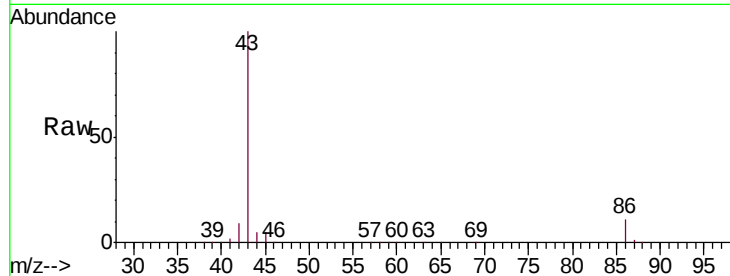
VSTDICCC050

Tgt Ion: 43 Resp: 417926

Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-668) (-)

Ion 86.00 (85.70 to 86.70): VV009257.D (-668) (-)

200000

150000

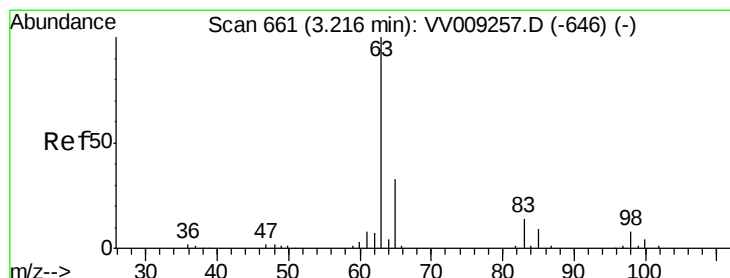
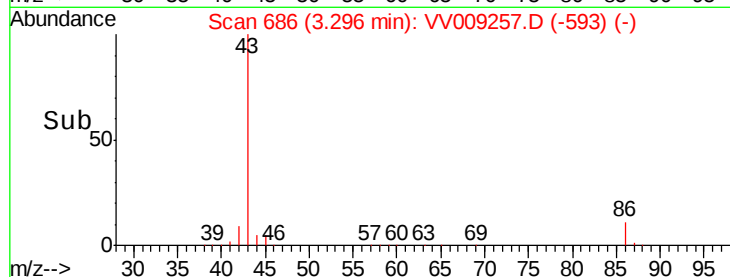
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 43.232 ug/l

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

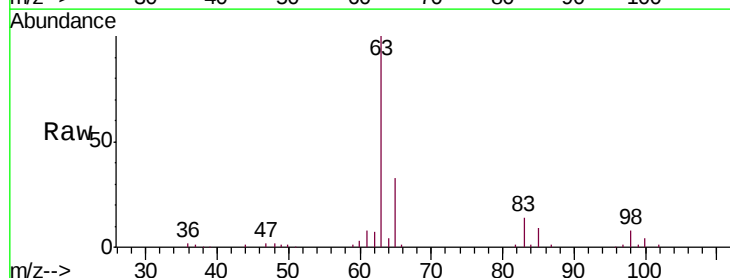
Tgt Ion: 63 Resp: 79977

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VV009257.D (-646) (-)

Ion 97.90 (97.60 to 98.60): VV009257.D (-646) (-)

Ion 99.90 (99.60 to 100.60): VV009257.D (-646) (-)

50000

40000

30000

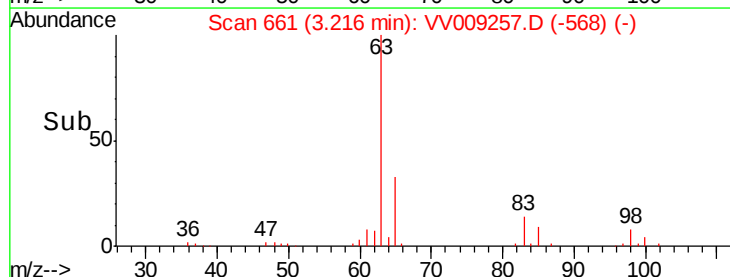
20000

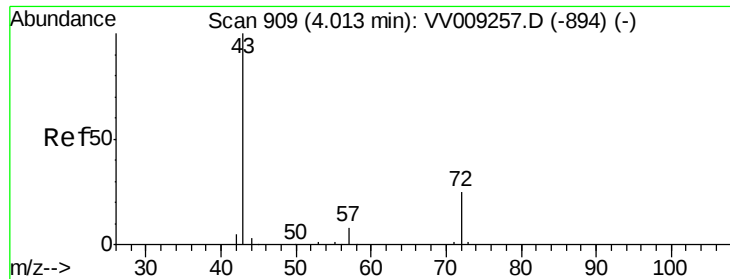
10000

0

3.10 3.20 3.30

Time-->





#25

2-Butanone

Concen: 265.349 ug/l

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

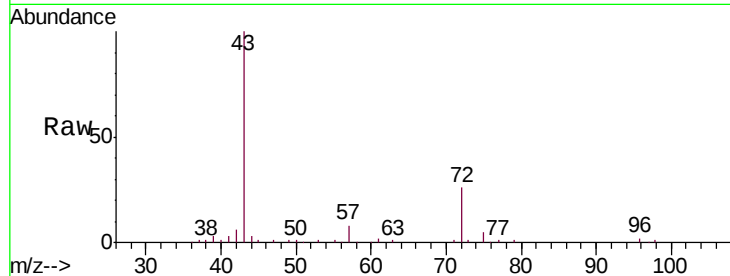
VSTDICCC050

Tgt Ion: 43 Resp: 79815

Ion Ratio Lower Upper

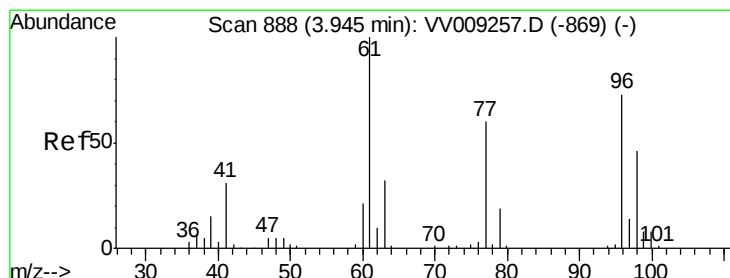
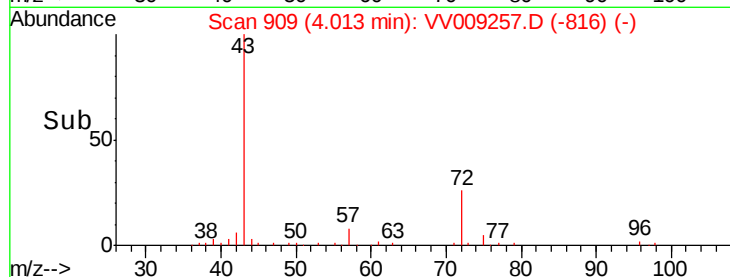
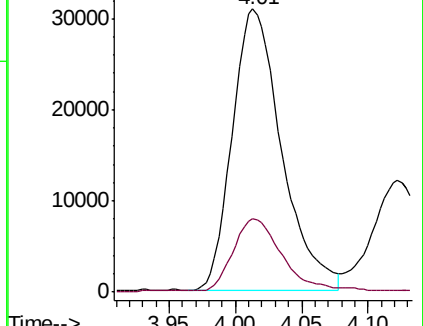
43 100

72 25.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-894) (-)

Ion 72.00 (71.70 to 72.70): VV009257.D (-894) (-)



#26

2,2-Dichloropropane

Concen: 41.344 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009257.D

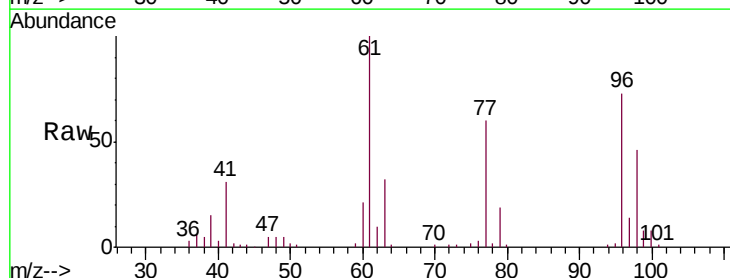
Acq: 24 Jan 2019 13:48

Tgt Ion: 77 Resp: 42129

Ion Ratio Lower Upper

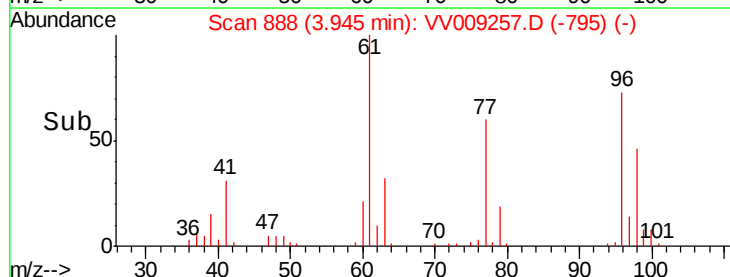
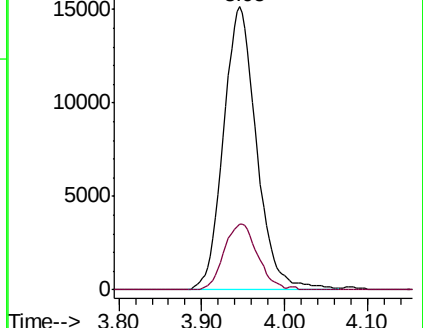
77 100

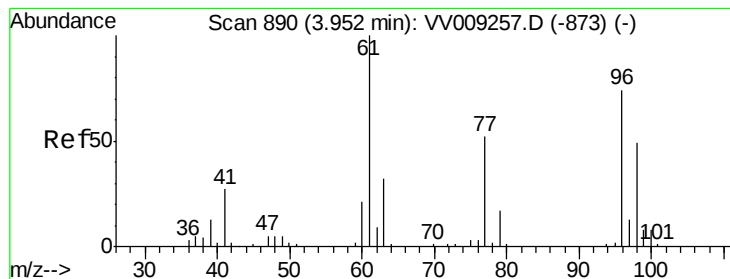
97 23.4 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VV009257.D (-869) (-)

Ion 96.90 (96.60 to 97.60): VV009257.D (-869) (-)



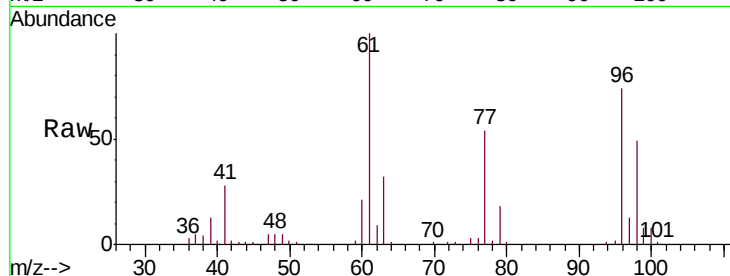


#27

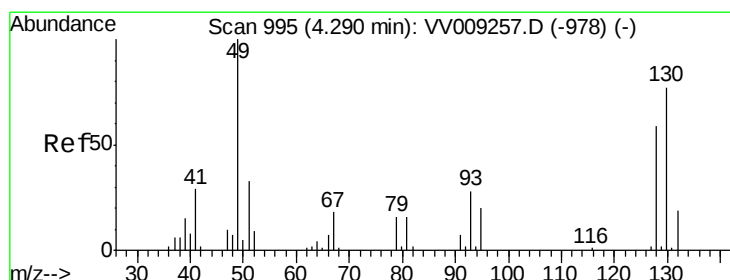
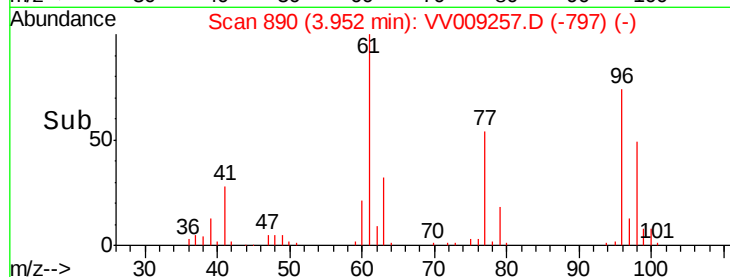
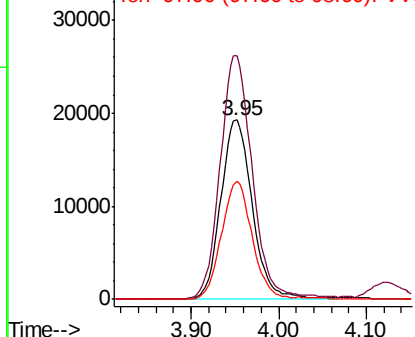
cis-1,2-Dichloroethene
 Concen: 45.604 ug/l
 RT: 3.95 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 96 Resp: 48409
 Ion Ratio Lower Upper
 96 100
 61 138.8 0.0 277.6
 98 63.8 0.0 127.6



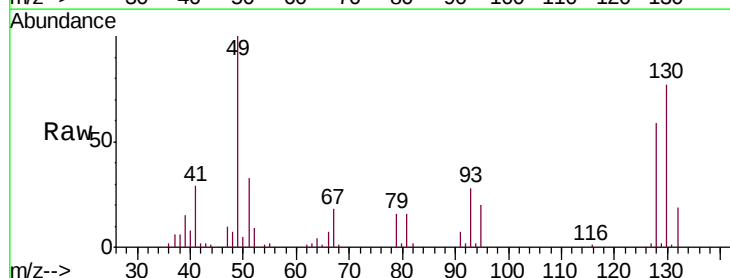
Abundance Ion 95.90 (95.60 to 96.60): VV0
 Ion 60.90 (60.60 to 61.60): VV0
 Ion 97.90 (97.60 to 98.60): VV0



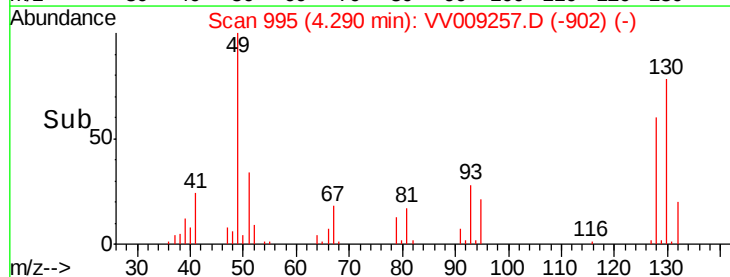
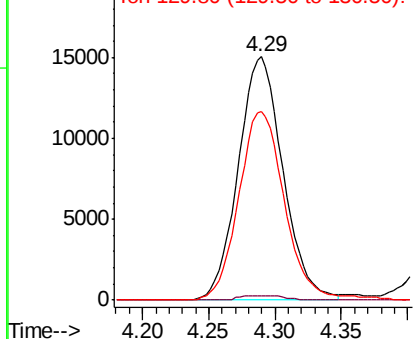
#28

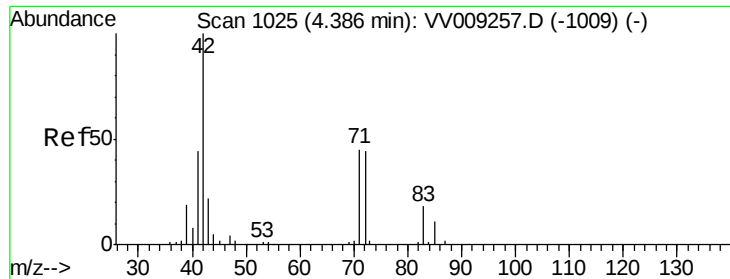
Bromochloromethane
 Concen: 50.455 ug/l
 RT: 4.29 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion: 49 Resp: 35347
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.6
 130 79.8 63.8 95.8



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

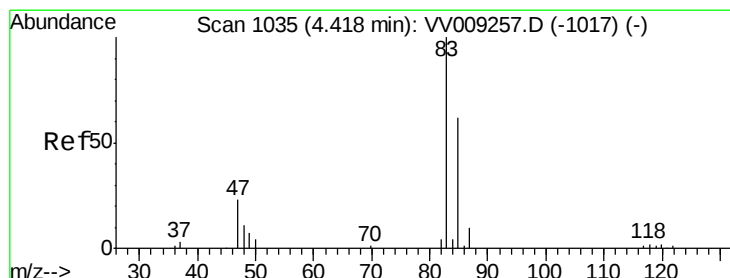
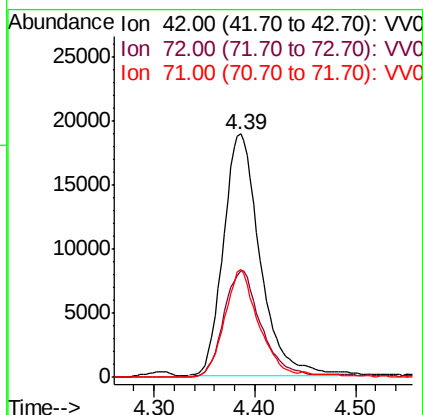
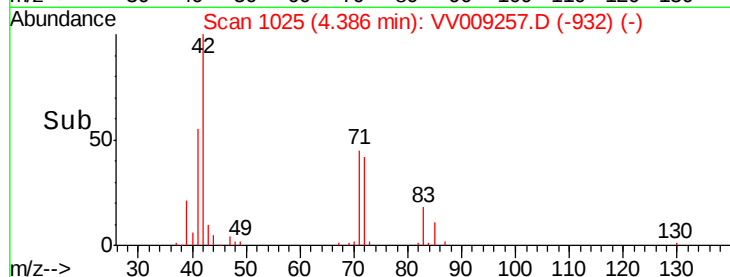
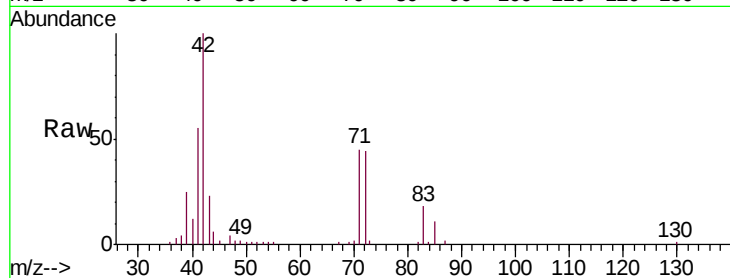




#29
Tetrahydrofuran
Concen: 285.781 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

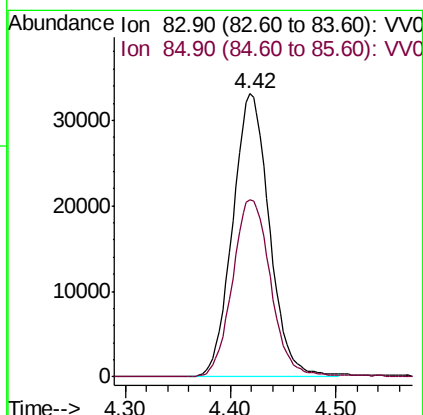
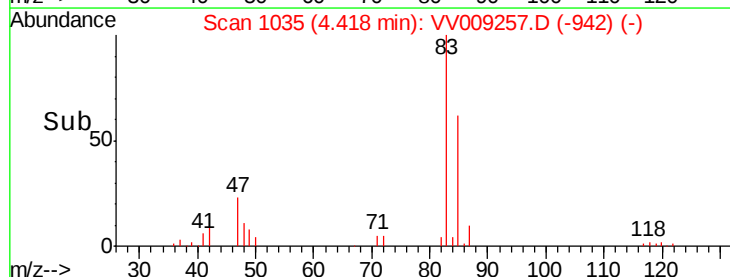
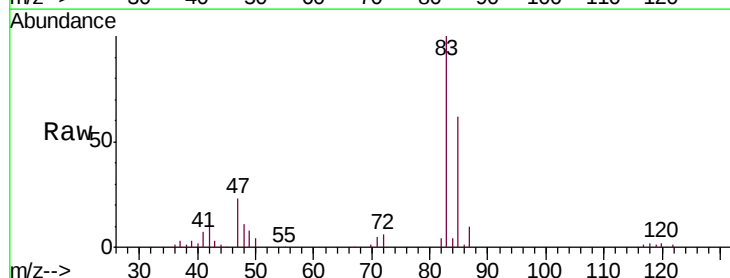
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

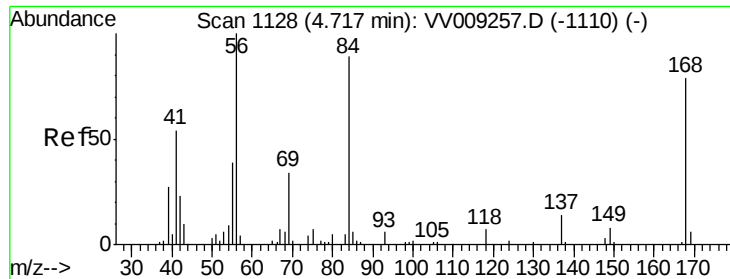
Tgt Ion: 42 Resp: 47650
Ion Ratio Lower Upper
42 100
72 45.0 36.0 54.0
71 41.6 33.3 49.9



#30
Chloroform
Concen: 43.249 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 83 Resp: 80170
Ion Ratio Lower Upper
83 100
85 62.4 49.9 74.9

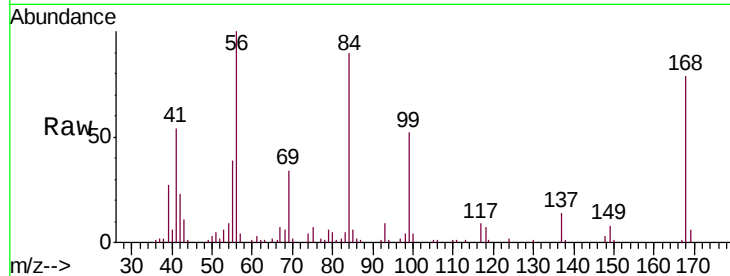




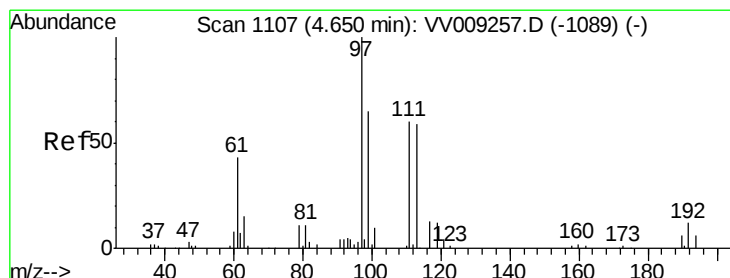
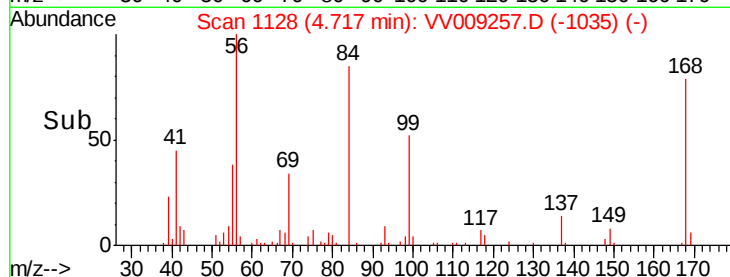
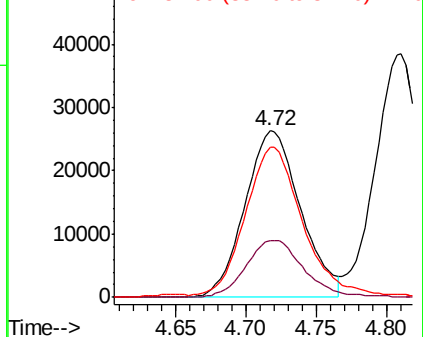
#31
Cyclohexane
Concen: 42.892 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 72551
Ion Ratio Lower Upper
56 100
69 34.4 27.5 41.3
84 88.6 70.9 106.3

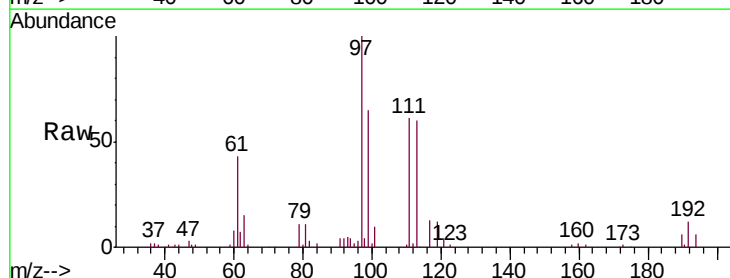


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

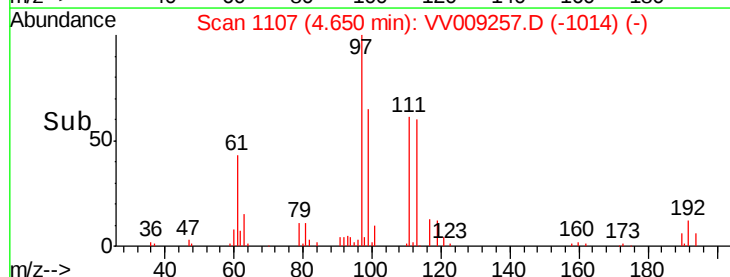
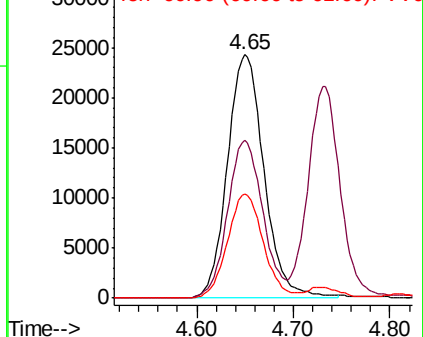


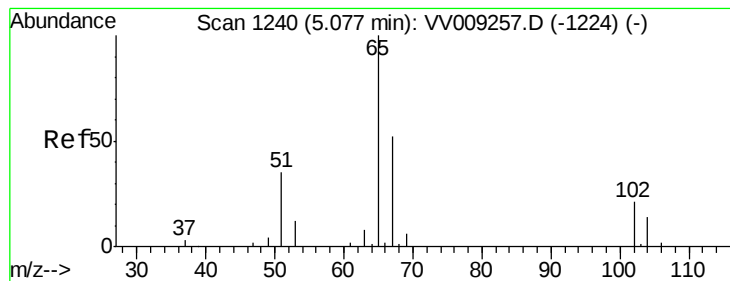
#32
1,1,1-Trichloroethane
Concen: 41.343 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 97 Resp: 63871
Ion Ratio Lower Upper
97 100
99 62.3 49.8 74.8
61 41.7 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: 50.073 ug/l

RT: 5.08 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

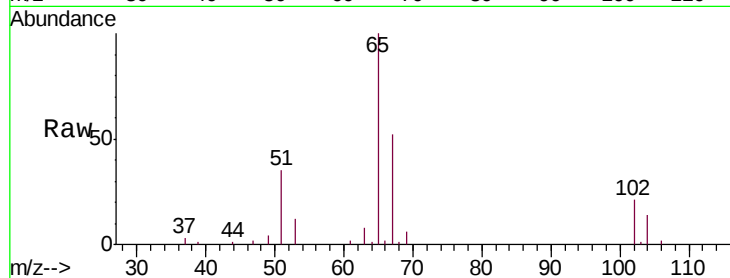
VSTDICCC050

Tgt Ion: 65 Resp: 48863

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VV009257.D (-1224) (-)

Ion 66.90 (66.60 to 67.60): VV009257.D (-1224) (-)

5.08

25000

20000

15000

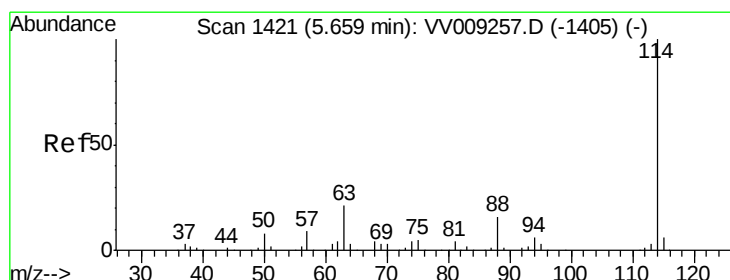
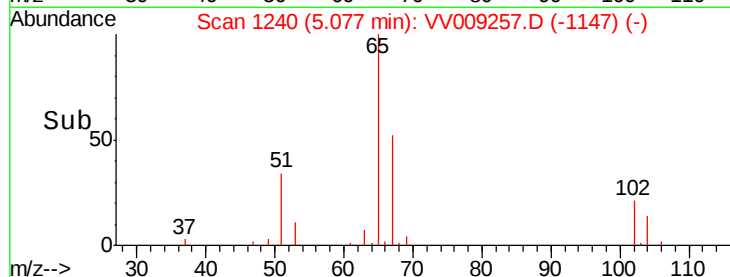
10000

5000

0

Time-->

5.00 5.05 5.10 5.15



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

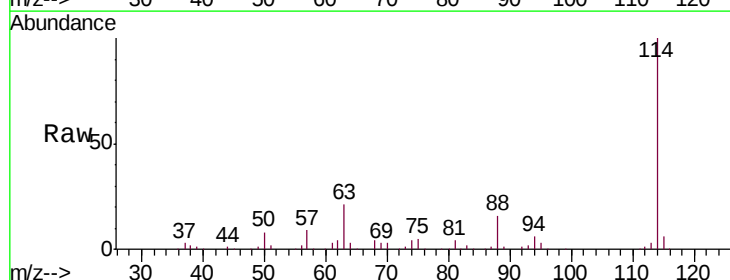
Tgt Ion: 114 Resp: 130955

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

88 16.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VV009257.D (-1405) (-)

Ion 63.00 (62.70 to 63.70): VV009257.D (-1405) (-)

Ion 87.90 (87.60 to 88.60): VV009257.D (-1405) (-)

5.66

80000

60000

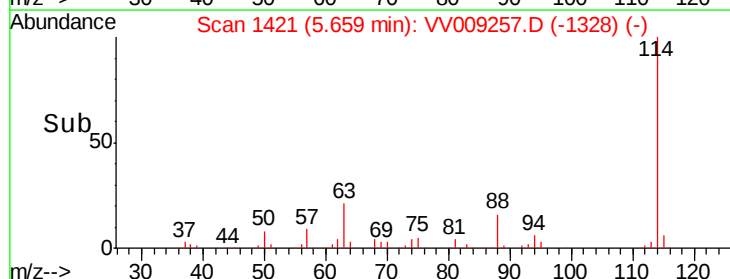
40000

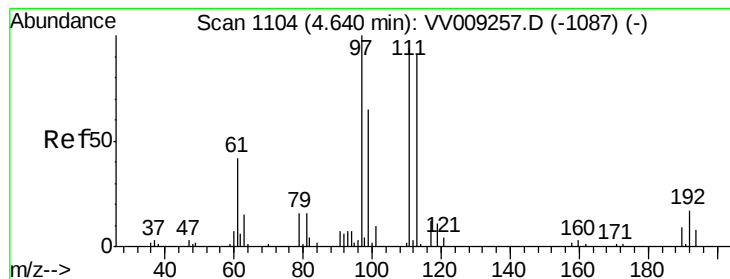
20000

0

Time-->

5.60 5.70 5.80





#35

Dibromofluoromethane

Concen: 51.067 ug/l

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

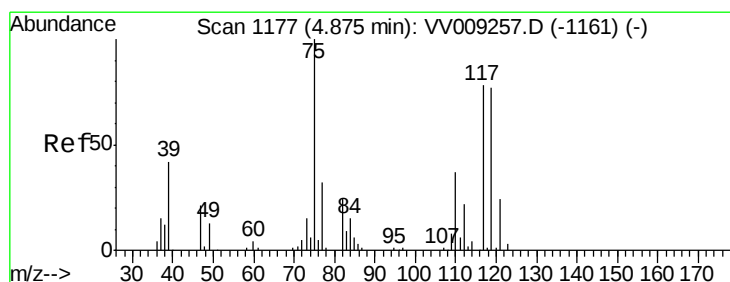
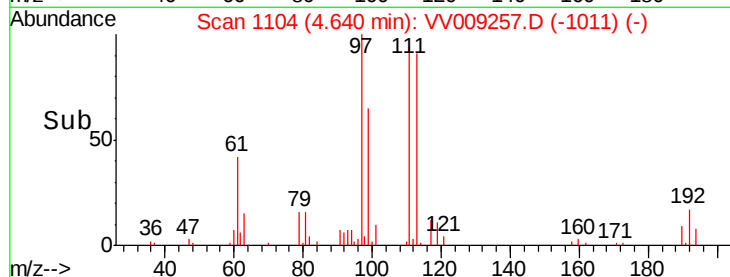
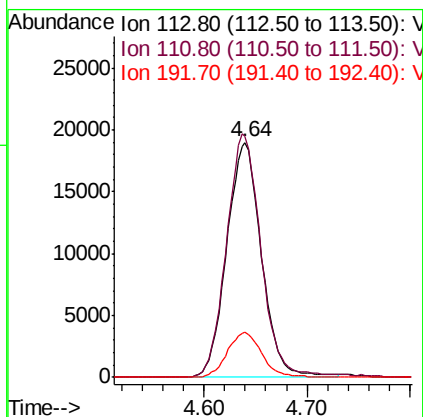
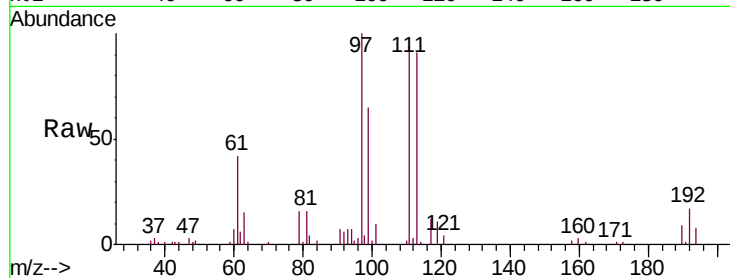
Tgt Ion:113 Resp: 44573

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

192 18.8 15.0 22.6



#36

1,1-Dichloropropene

Concen: 43.859 ug/l

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

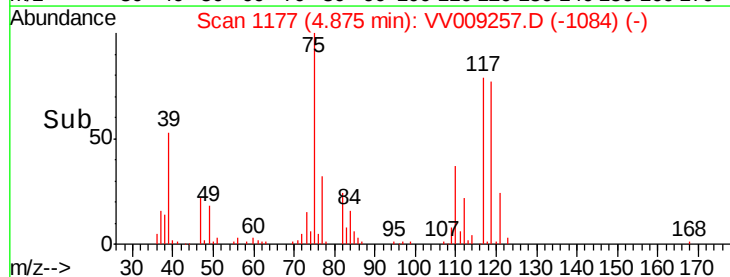
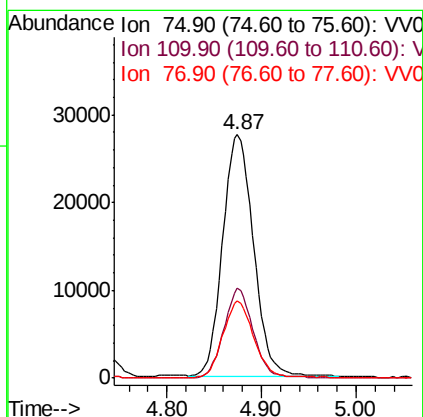
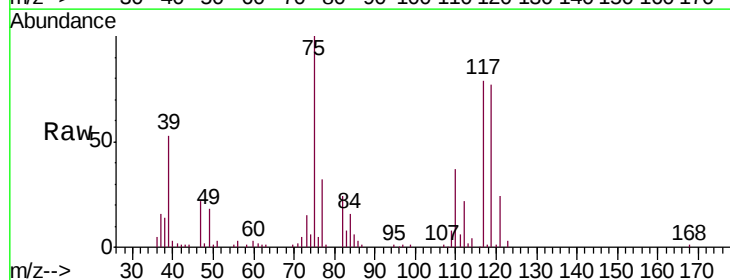
Tgt Ion: 75 Resp: 62423

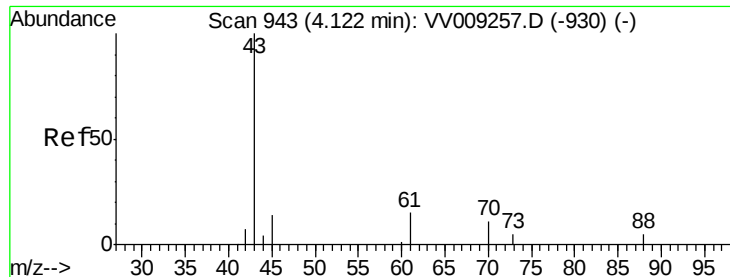
Ion Ratio Lower Upper

75 100

110 35.3 17.6 52.9

77 31.9 25.5 38.3





#37

Ethyl Acetate

Concen: 57.985 ug/l

RT: 4.12 min Scan# 943

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

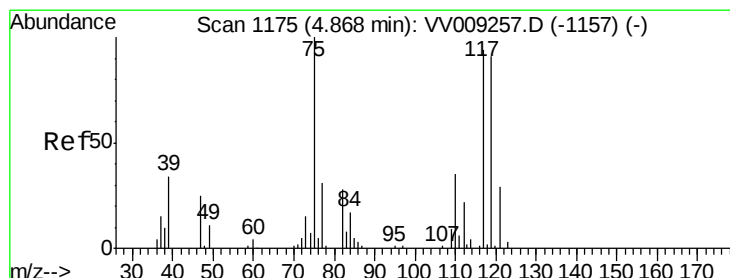
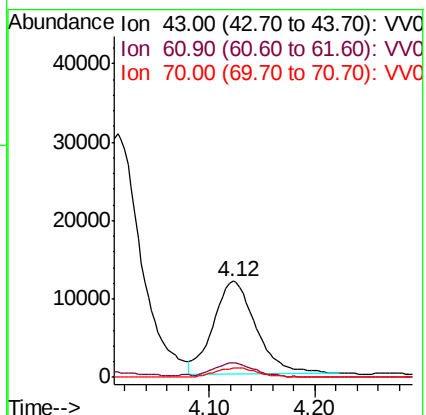
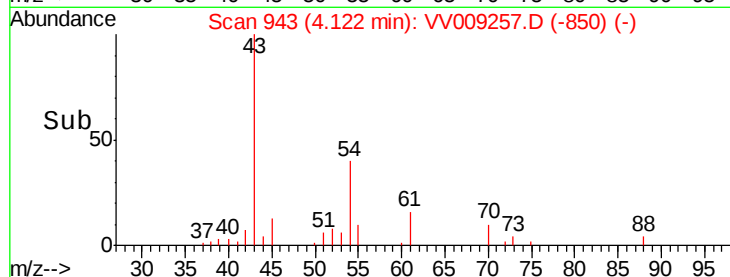
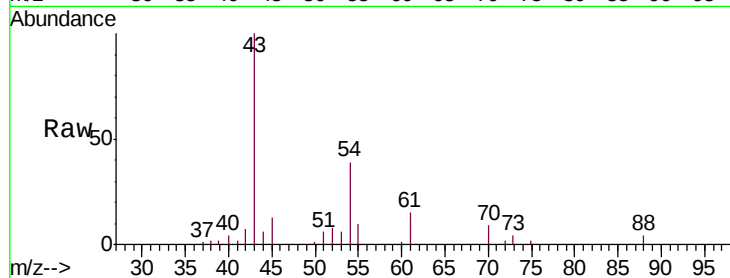
Tgt Ion: 43 Resp: 33454

Ion Ratio Lower Upper

43 100

61 13.2 10.6 15.8

70 10.0 8.0 12.0



#38

Carbon Tetrachloride

Concen: 42.607 ug/l

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

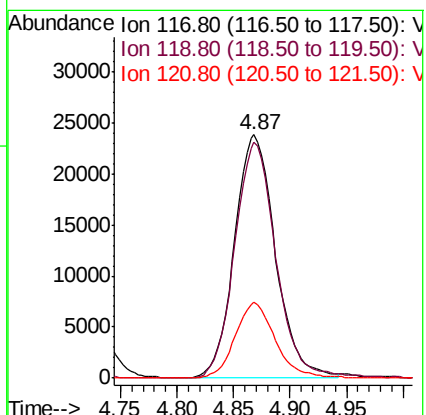
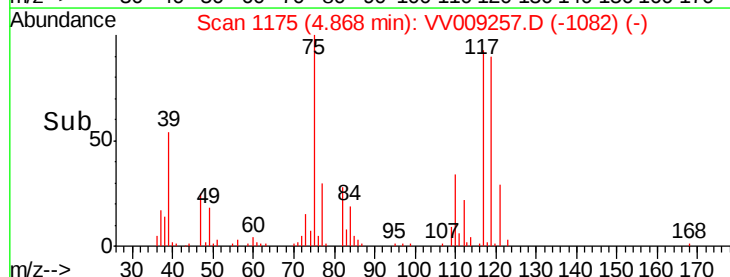
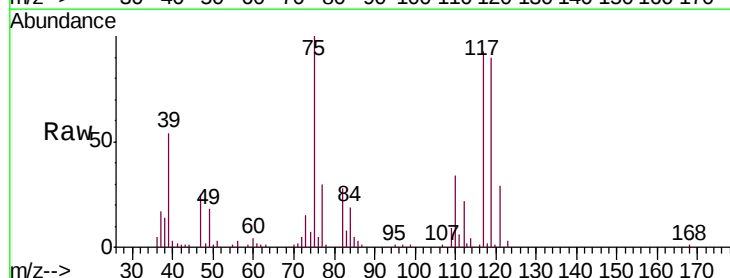
Tgt Ion: 117 Resp: 60098

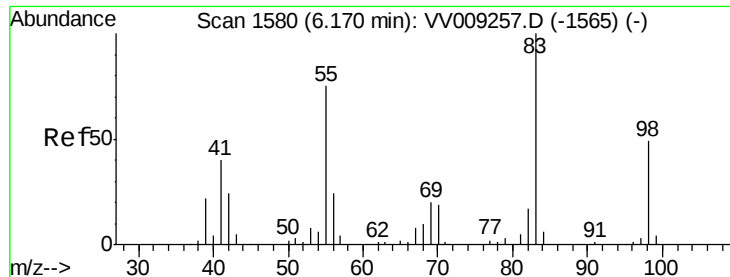
Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.2

121 31.0 24.8 37.2

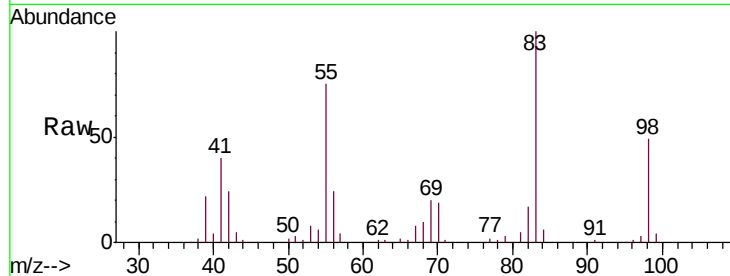




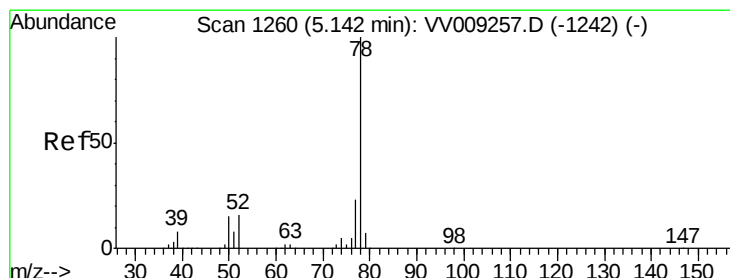
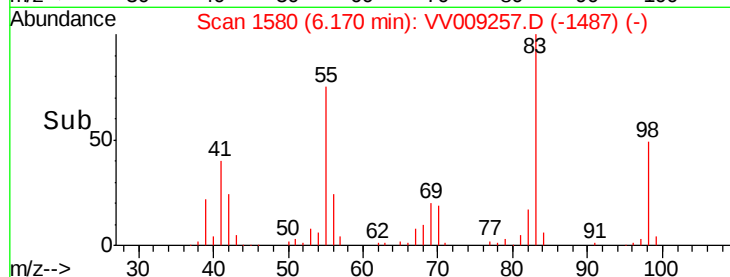
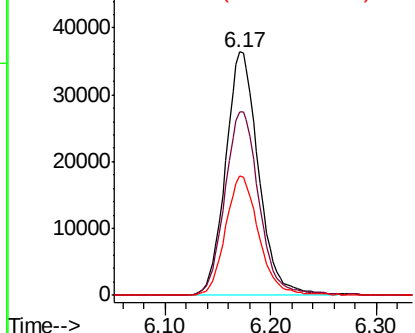
#39
Methylcyclohexane
Concen: 46.489 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 78644
Ion Ratio Lower Upper
83 100
55 75.1 60.1 90.1
98 49.0 39.2 58.8

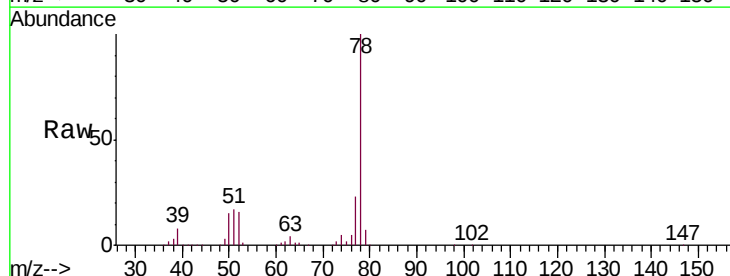


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

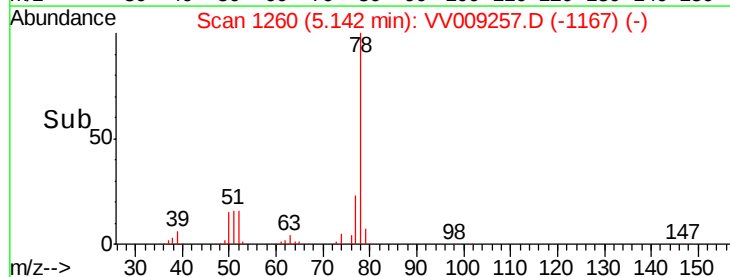
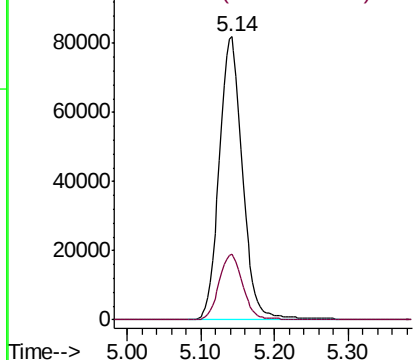


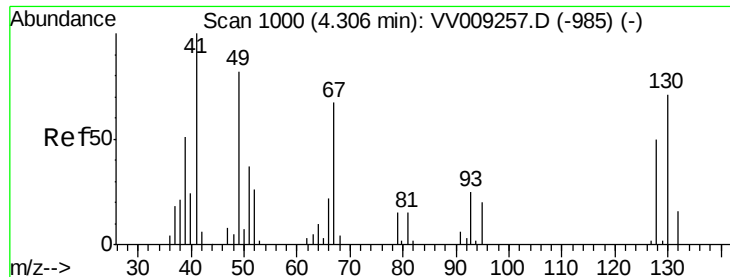
#40
Benzene
Concen: 45.178 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 78 Resp: 180323
Ion Ratio Lower Upper
78 100
77 23.2 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: 54.015 ug/l

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 18491

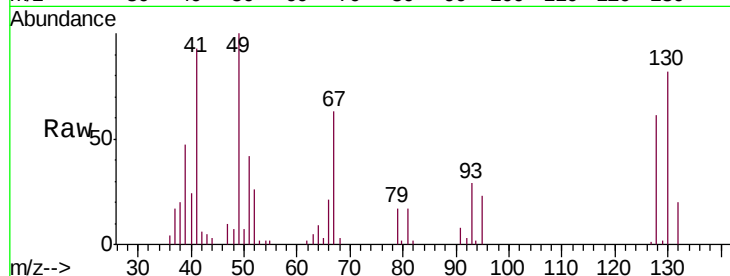
Ion Ratio Lower Upper

41 100

39 52.9 42.3 63.5

67 71.8 57.4 86.2

52 33.4 26.7 40.1

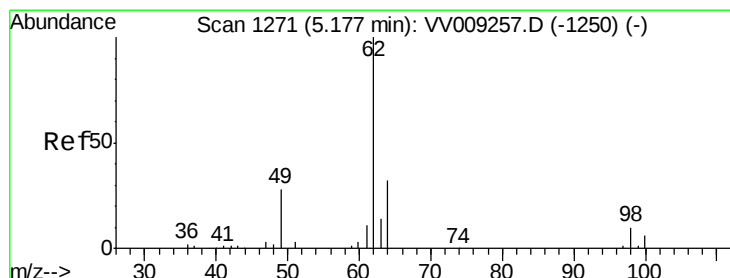
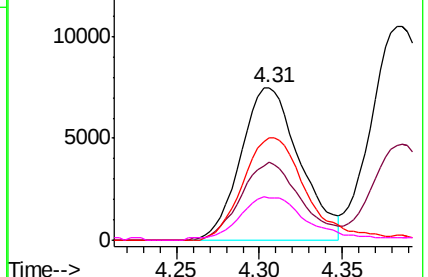
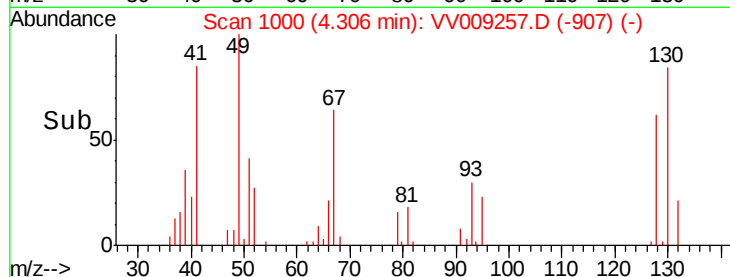


Abundance Ion 41.00 (40.70 to 41.70): VV0

Ion 39.00 (38.70 to 39.70): VV0

Ion 67.00 (66.70 to 67.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#42

1,2-Dichloroethane

Concen: 44.731 ug/l

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV009257.D

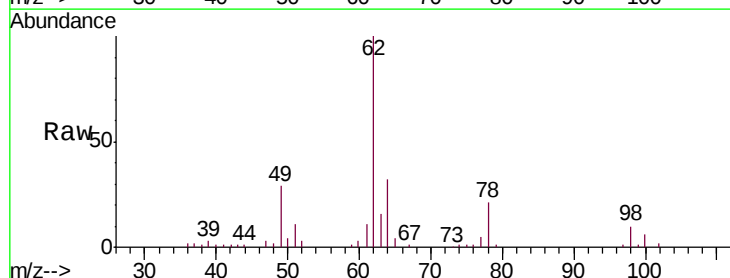
Acq: 24 Jan 2019 13:48

Tgt Ion: 62 Resp: 55914

Ion Ratio Lower Upper

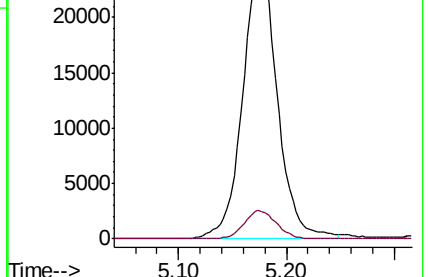
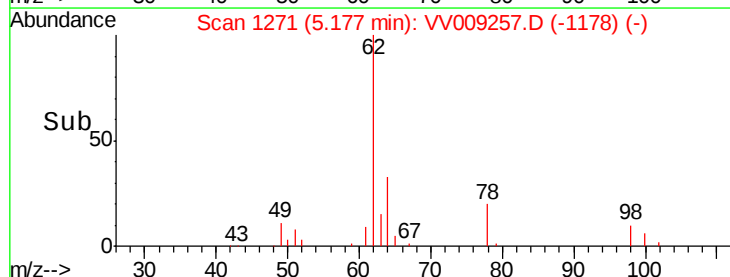
62 100

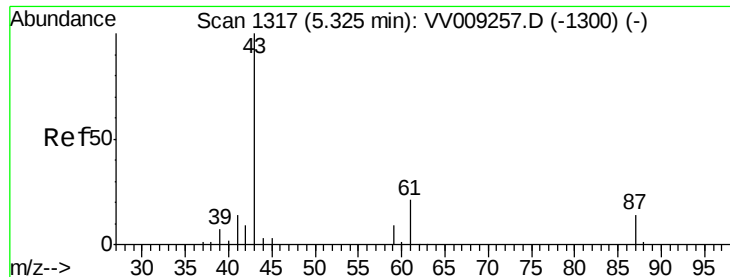
98 9.6 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 97.90 (97.60 to 98.60): VV0





#43

Isopropyl Acetate

Concen: 55.744 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

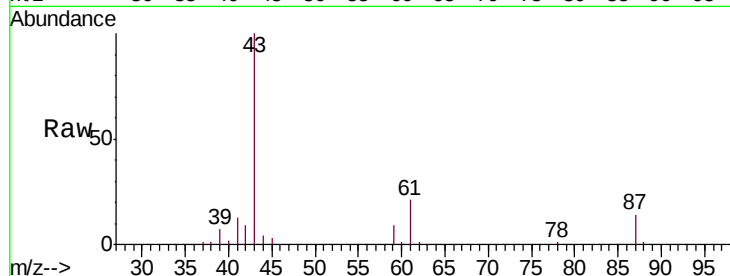
Tgt Ion: 43 Resp: 62539

Ion Ratio Lower Upper

43 100

61 19.7 15.8 23.6

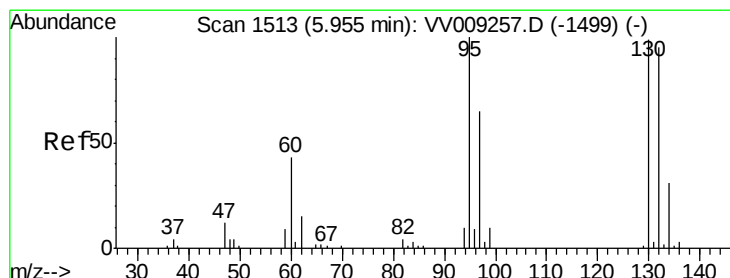
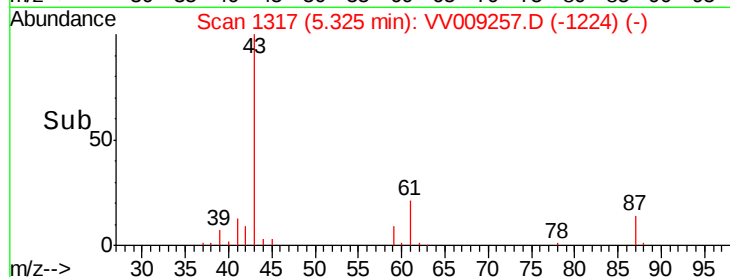
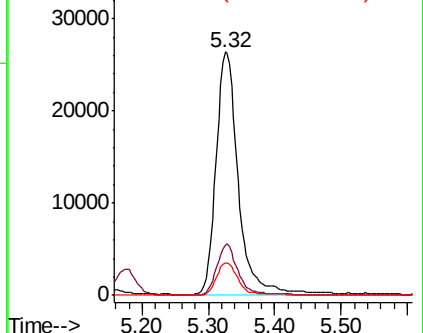
87 12.6 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-1300) (-)

Ion 61.00 (60.70 to 61.70): VV009257.D (-1300) (-)

Ion 87.00 (86.70 to 87.70): VV009257.D (-1300) (-)



#44

Trichloroethene

Concen: 44.737 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009257.D

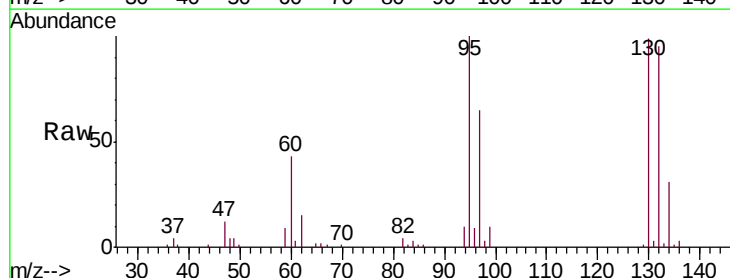
Acq: 24 Jan 2019 13:48

Tgt Ion: 130 Resp: 47087

Ion Ratio Lower Upper

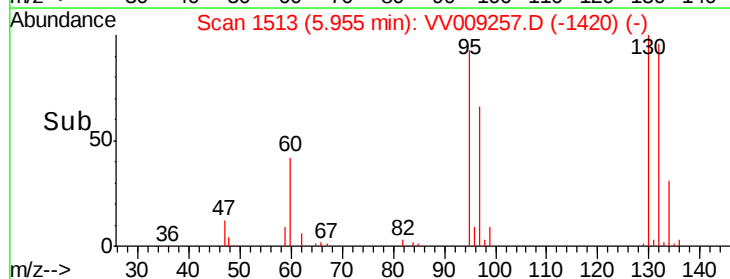
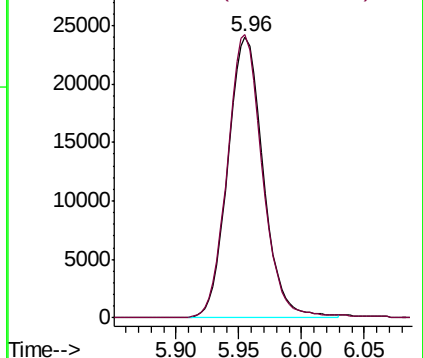
130 100

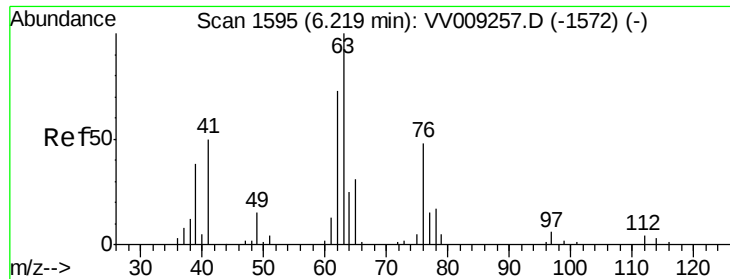
95 100.7 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VV009257.D (-1499) (-)

Ion 94.90 (94.60 to 95.60): VV009257.D (-1499) (-)





#45

1,2-Dichloropropane

Concen: 45.548 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

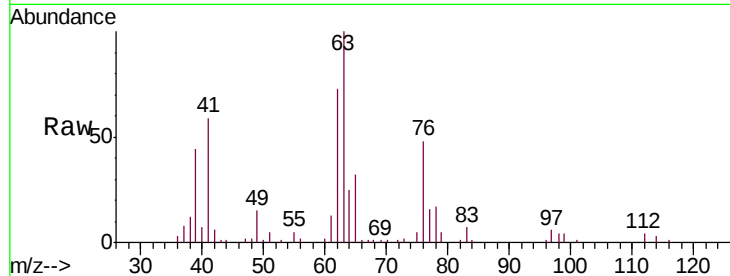
VSTDICCC050

Tgt Ion: 63 Resp: 43914

Ion Ratio Lower Upper

63 100

65 31.8 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VV009257.D (-1572) (-)

Ion 64.90 (64.60 to 65.60): VV009257.D (-1572) (-)

6.22

25000

20000

15000

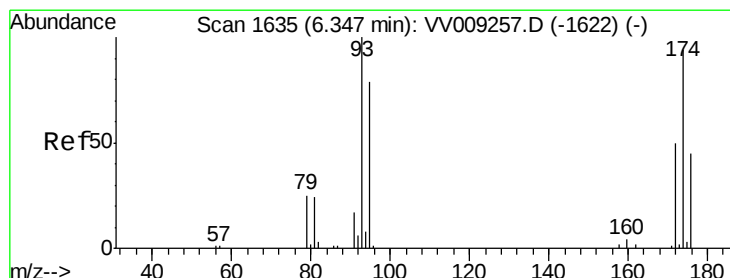
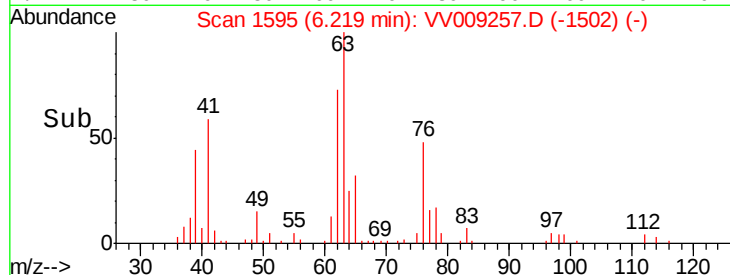
10000

5000

0

6.10 6.20 6.30

Time-->



#46

Dibromomethane

Concen: 51.237 ug/l

RT: 6.35 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

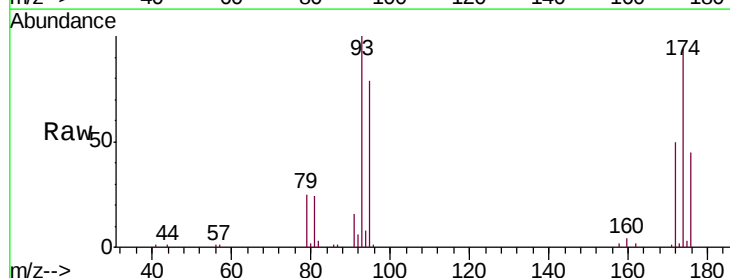
Tgt Ion: 93 Resp: 25689

Ion Ratio Lower Upper

93 100

95 81.6 65.3 97.9

174 96.2 77.0 115.4



Abundance Ion 92.80 (92.50 to 93.50): VV009257.D (-1622) (-)

Ion 94.80 (94.50 to 95.50): VV009257.D (-1622) (-)

Ion 173.70 (173.40 to 174.40): VV009257.D (-1622) (-)

6.35

15000

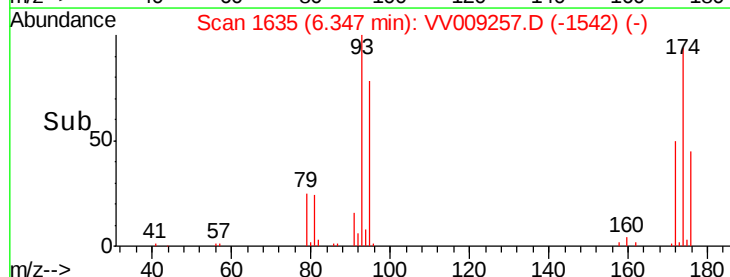
10000

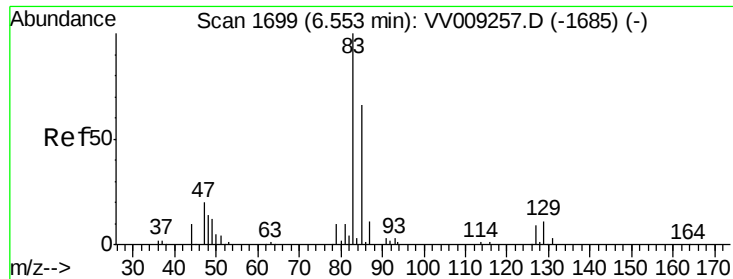
5000

0

6.25 6.30 6.35 6.40 6.45

Time-->





#47

Bromodichloromethane

Concen: 45.233 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

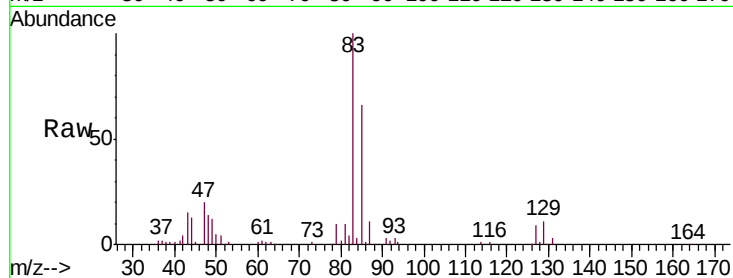
Tgt Ion: 83 Resp: 58883

Ion Ratio Lower Upper

83 100

85 65.8 52.6 79.0

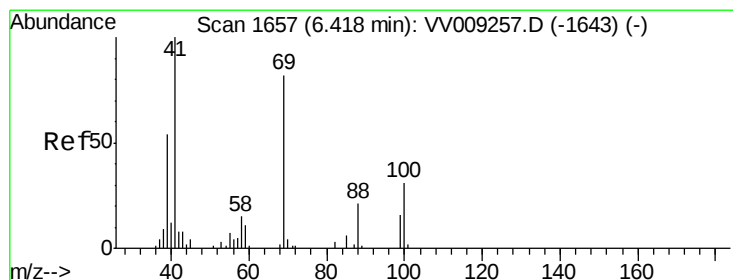
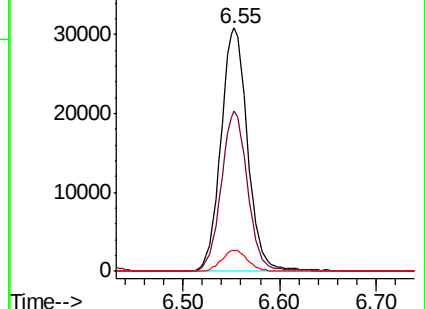
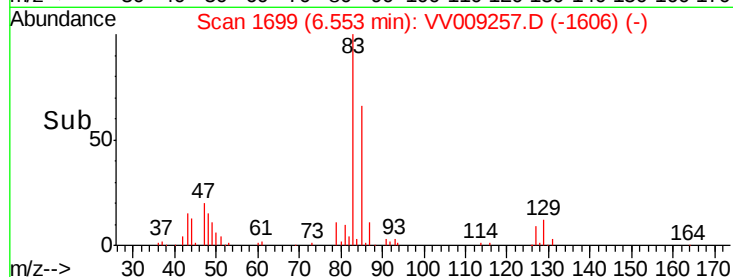
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VV009257.D (-1685) (-)

Ion 84.90 (84.60 to 85.60): VV009257.D (-1685) (-)

Ion 126.80 (126.50 to 127.50): VV009257.D (-1685) (-)



#48

Methyl methacrylate

Concen: 53.469 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

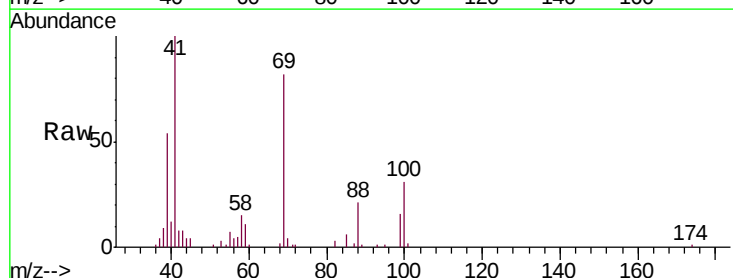
Tgt Ion: 41 Resp: 30458

Ion Ratio Lower Upper

41 100

69 85.8 68.6 103.0

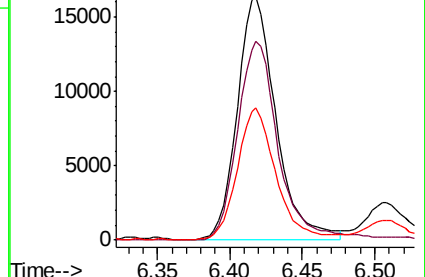
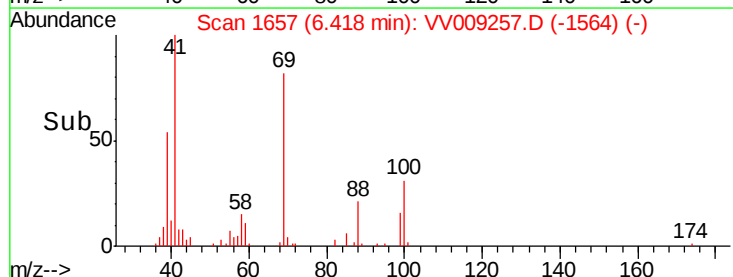
39 54.0 43.2 64.8

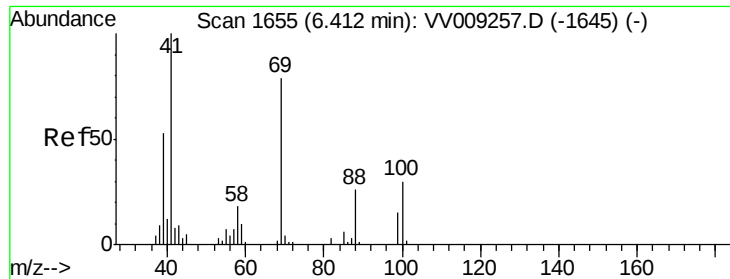


Abundance Ion 41.00 (40.70 to 41.70): VV009257.D (-1643) (-)

Ion 69.00 (68.70 to 69.70): VV009257.D (-1643) (-)

Ion 39.00 (38.70 to 39.70): VV009257.D (-1643) (-)

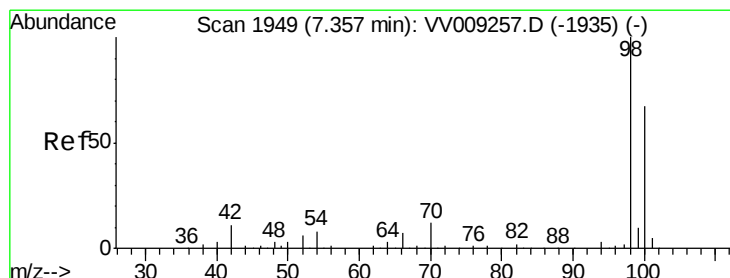
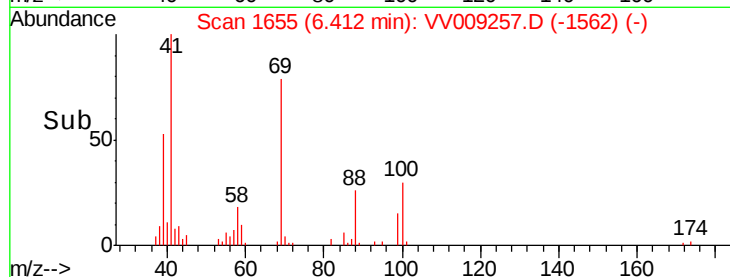
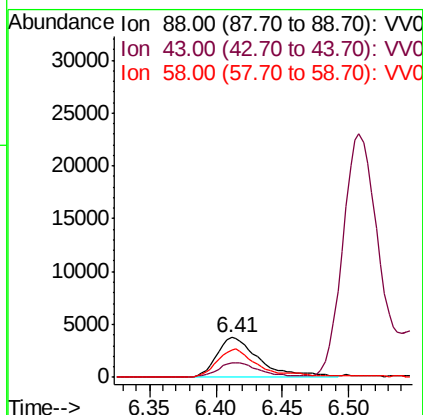
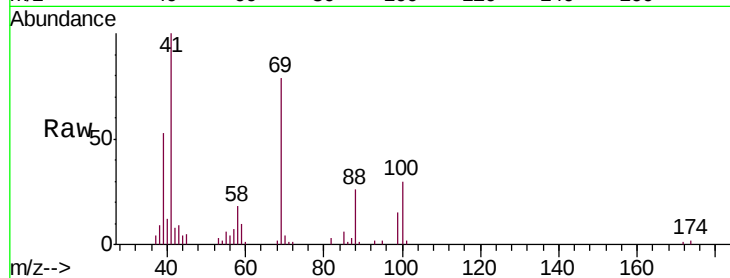




#49
1,4-Dioxane
Concen: 1269.879 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

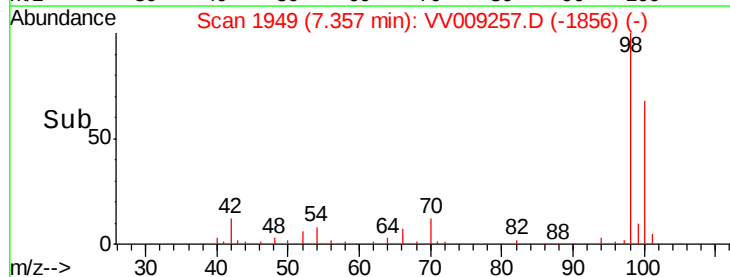
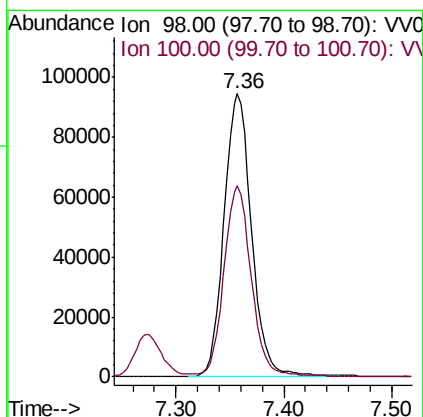
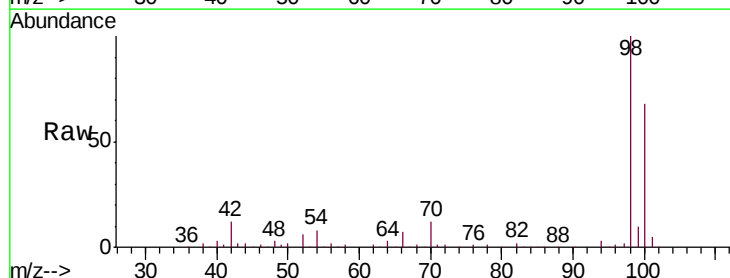
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

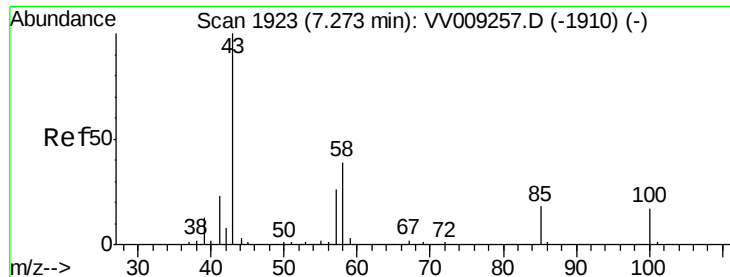
Tgt Ion: 88 Resp: 8533
Ion Ratio Lower Upper
88 100
43 35.4 28.3 42.5
58 62.5 50.0 75.0



#50
Toluene-d8
Concen: 49.988 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 98 Resp: 168432
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 282.718 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

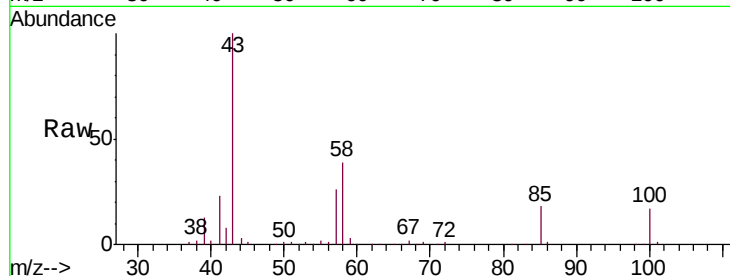
VSTDICCC050

Tgt Ion: 43 Resp: 161812

Ion Ratio Lower Upper

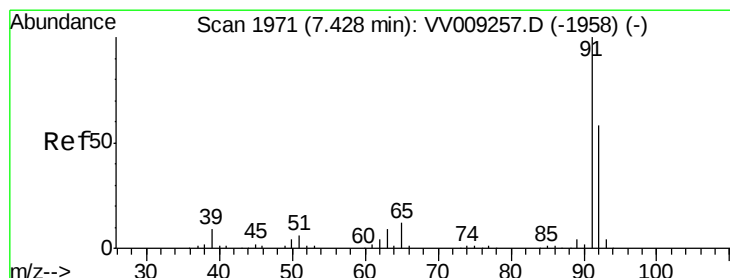
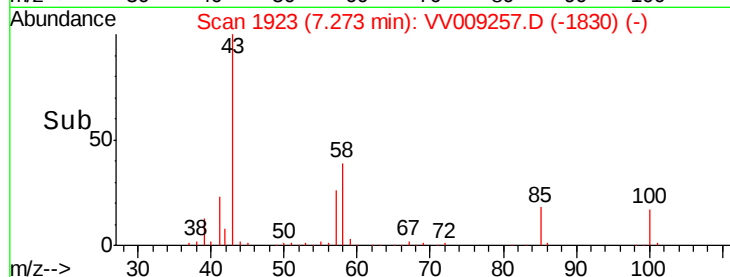
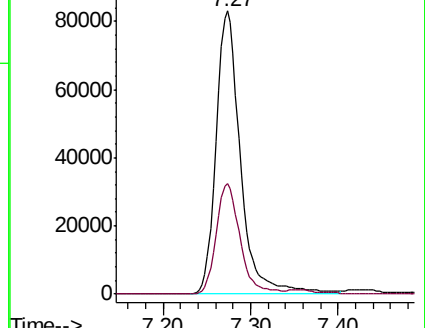
43 100

58 38.1 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-1910) (-)

Ion 58.00 (57.70 to 58.70): VV009257.D (-1910) (-)



#52

Toluene

Concen: 44.718 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009257.D

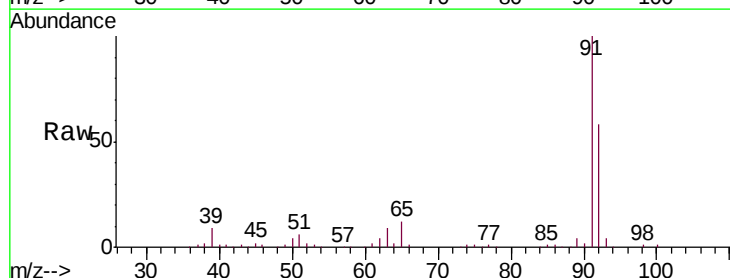
Acq: 24 Jan 2019 13:48

Tgt Ion: 92 Resp: 112606

Ion Ratio Lower Upper

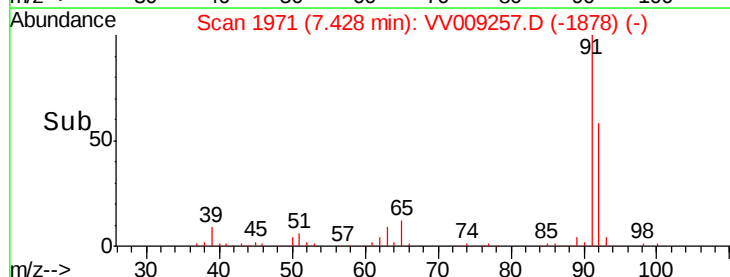
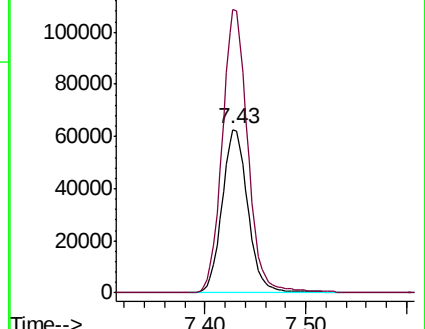
92 100

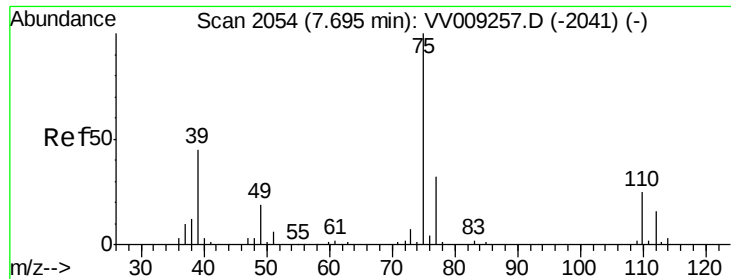
91 171.5 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV009257.D (-1958) (-)

Ion 91.00 (90.70 to 91.70): VV009257.D (-1958) (-)

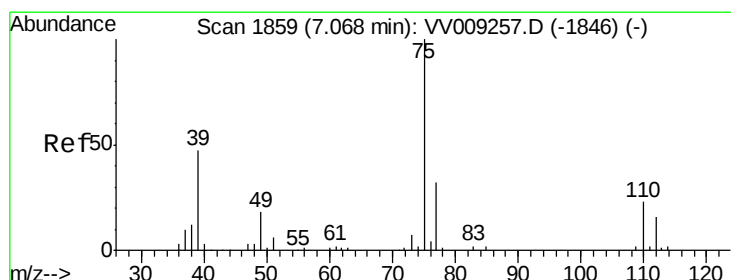
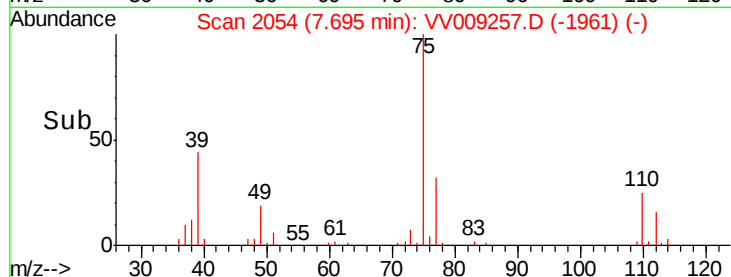
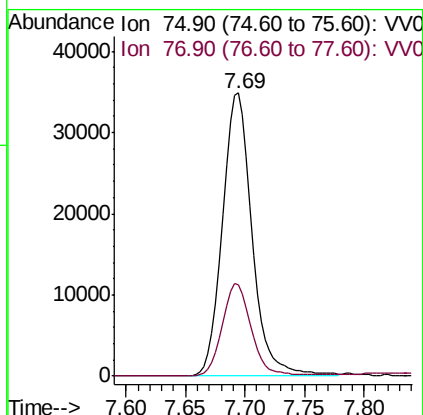
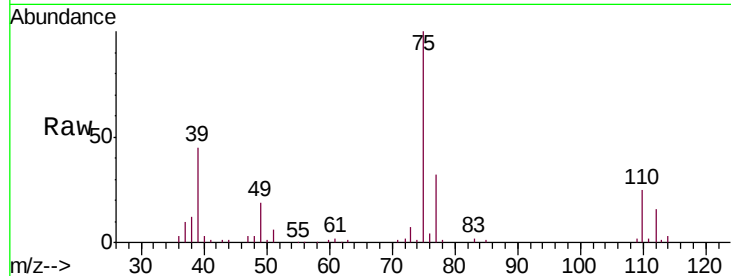




#53
t-1,3-Dichloropropene
Concen: 47.298 ug/l
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

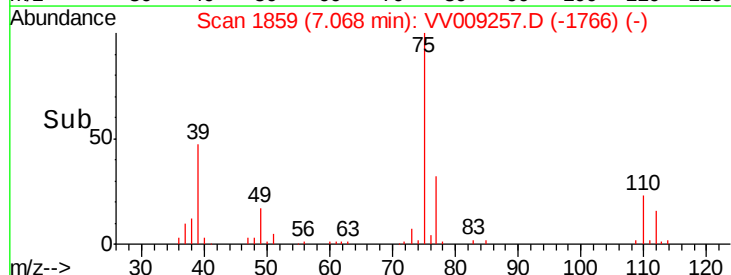
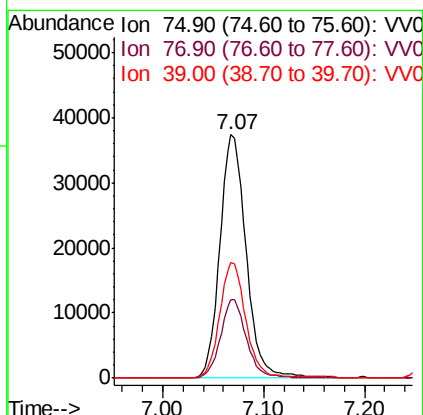
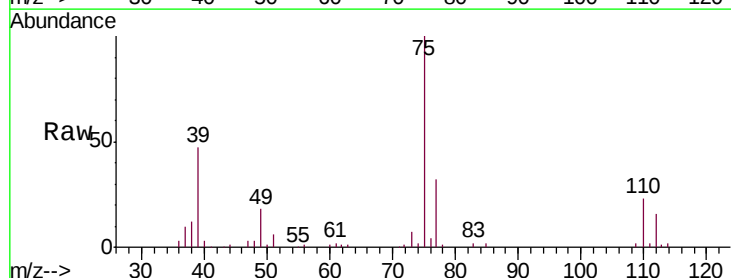
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

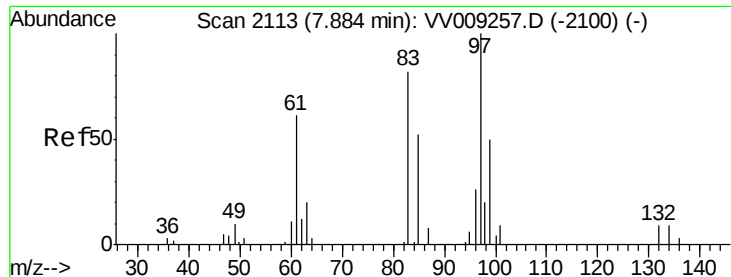
Tgt Ion: 75 Resp: 60358
Ion Ratio Lower Upper
75 100
77 32.4 25.9 38.9



#54
cis-1,3-Dichloropropene
Concen: 46.757 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 75 Resp: 68400
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6
39 47.5 38.0 57.0

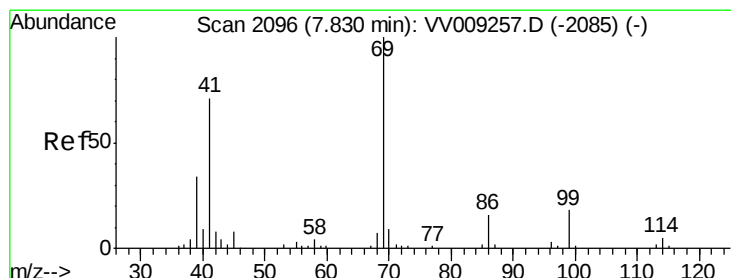
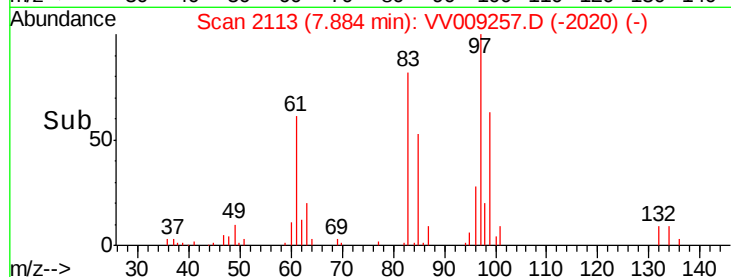
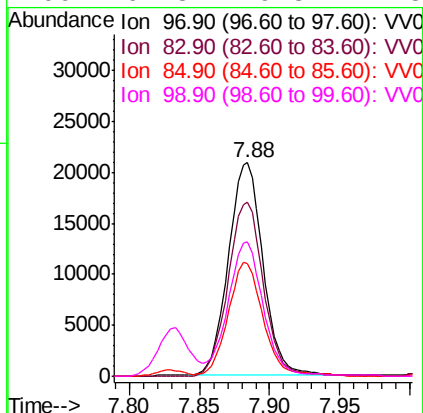
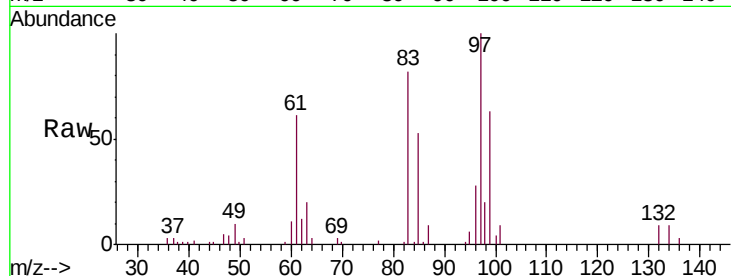




#55
 1,1,2-Trichloroethane
 Concen: 50.358 ug/l
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

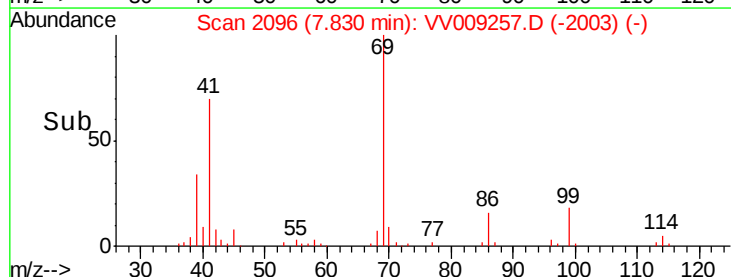
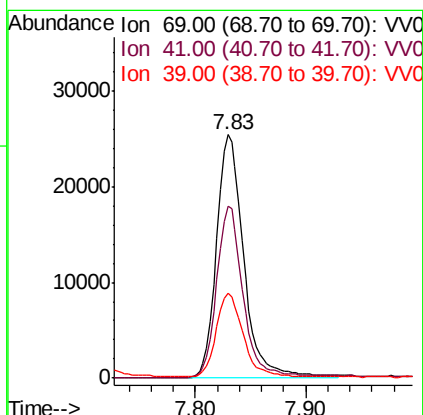
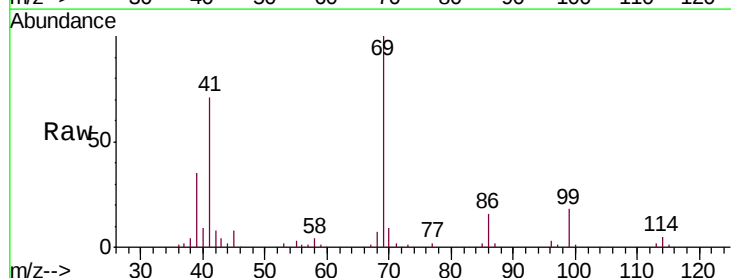
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

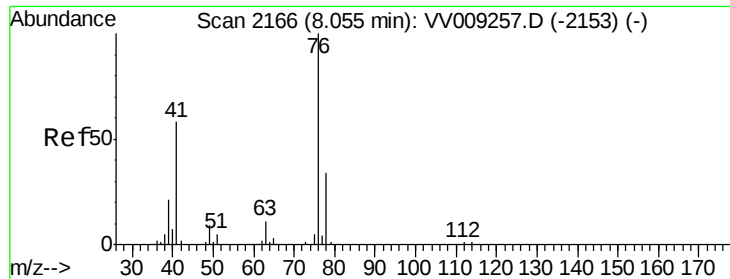
Tgt Ion:	97	Resp:	35812
Ion	Ratio	Lower	Upper
97	100		
83	82.0	65.6	98.4
85	52.3	41.8	62.8
99	62.3	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 52.865 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion:	69	Resp:	43716
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.6	81.8
39	33.7	27.0	40.4

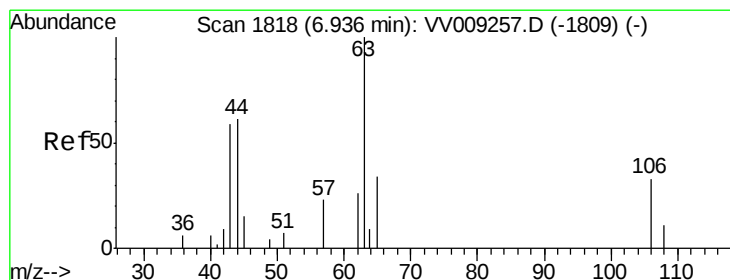
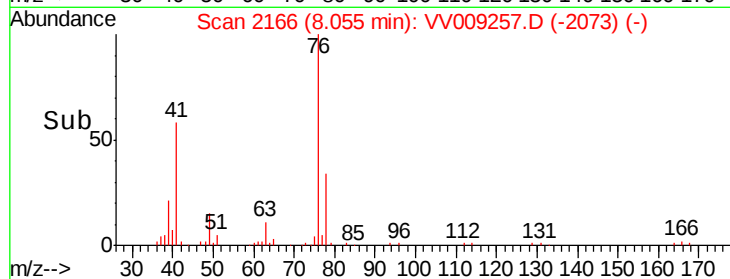
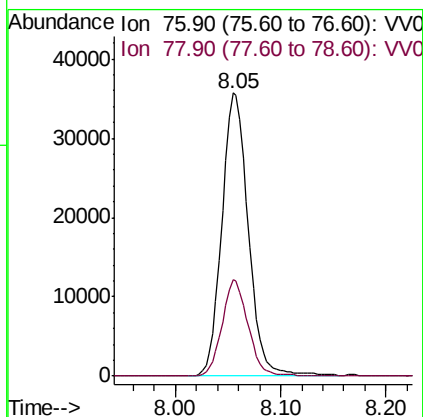
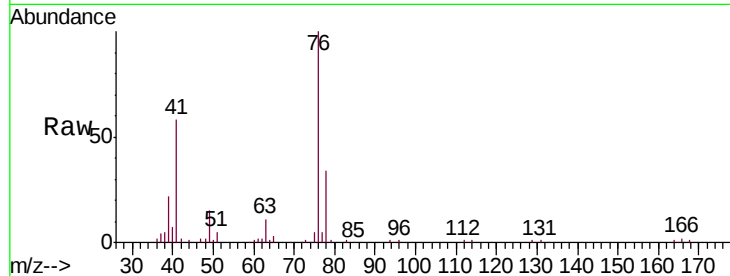




#57
 1,3-Dichloropropane
 Concen: 48.784 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

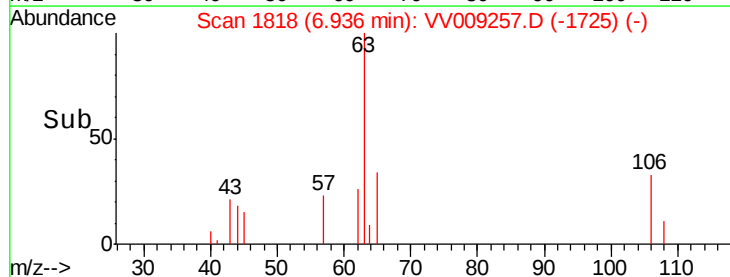
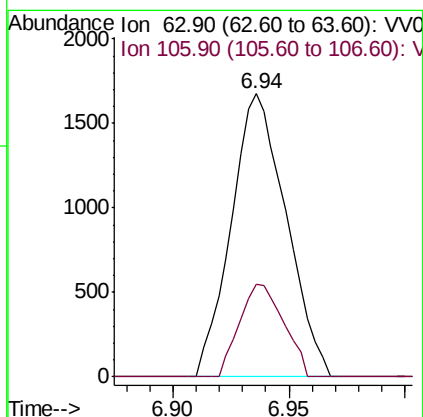
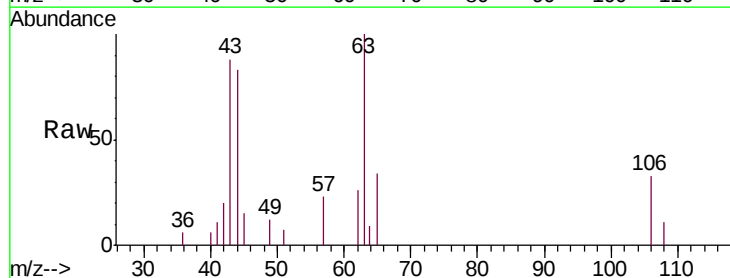
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

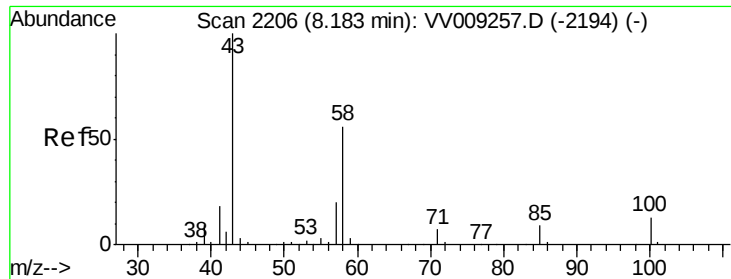
Tgt Ion: 76 Resp: 62111
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 200.145 ug/l
 RT: 6.94 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion: 63 Resp: 2754
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.0 31.6

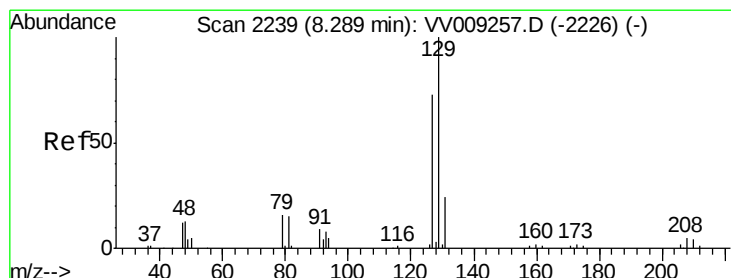
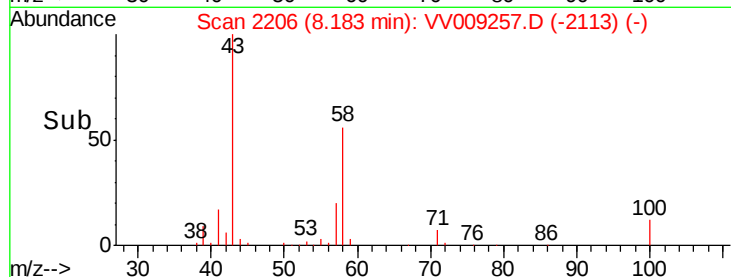
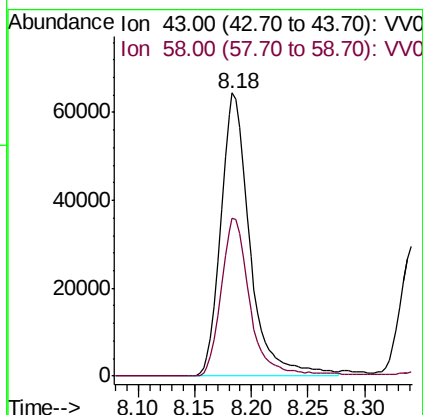
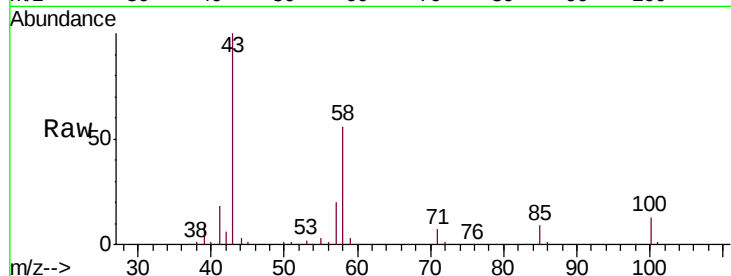




#59
2-Hexanone
Concen: 280.490 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

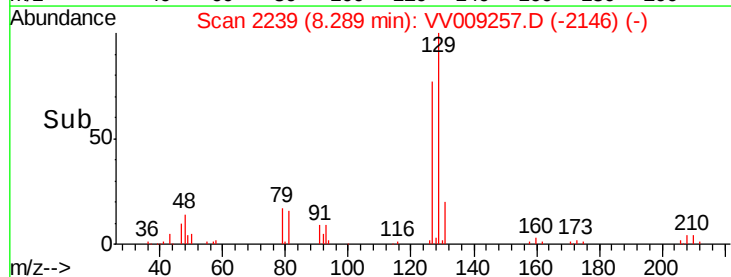
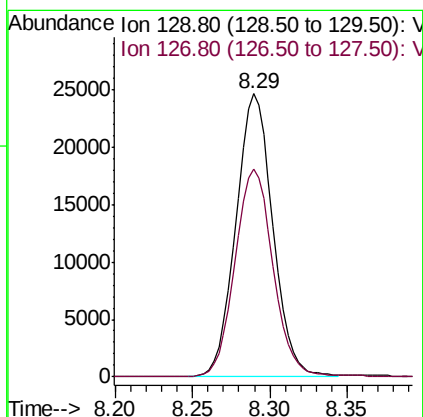
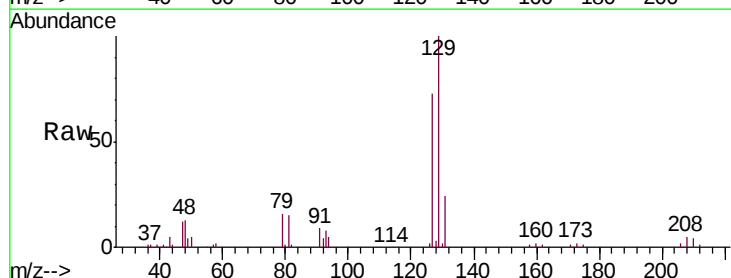
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

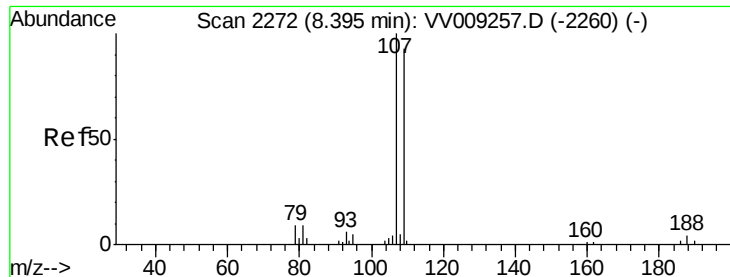
Tgt Ion: 43 Resp: 115569
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7



#60
Dibromochloromethane
Concen: 49.511 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 129 Resp: 40882
Ion Ratio Lower Upper
129 100
127 75.7 37.9 113.6





#61

1,2-Dibromoethane

Concen: 51.092 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

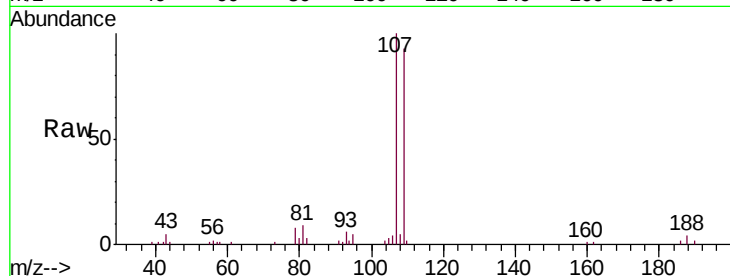
VSTDICCC050

Tgt Ion: 107 Resp: 35486

Ion Ratio Lower Upper

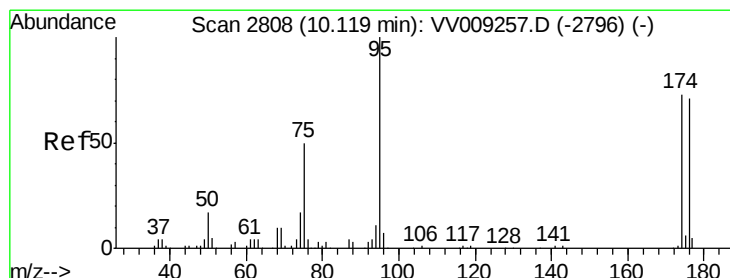
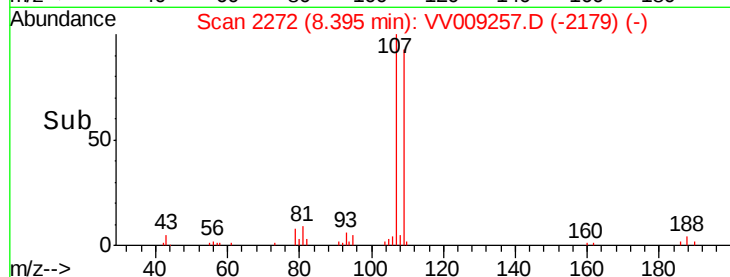
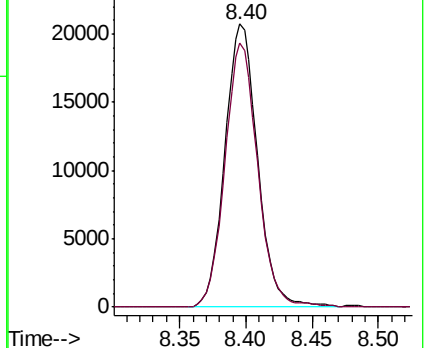
107 100

109 93.4 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.596 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

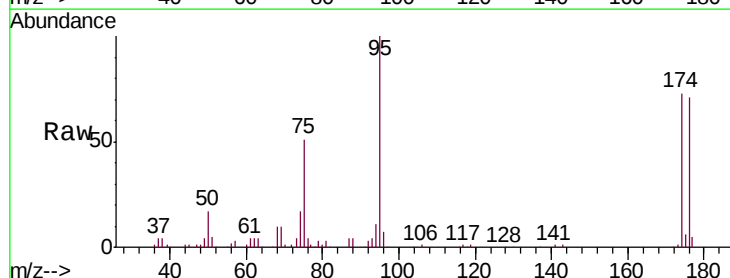
Tgt Ion: 95 Resp: 64762

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.0

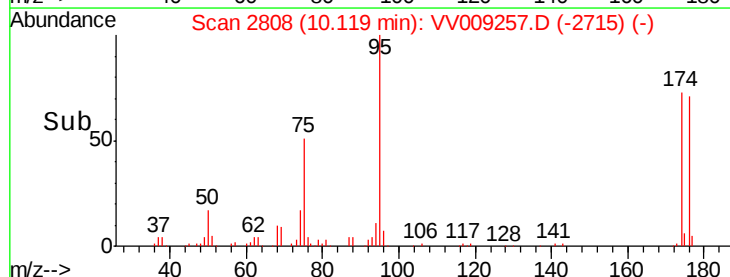
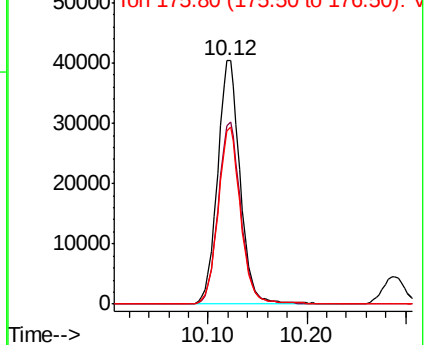
176 72.0 0.0 144.0

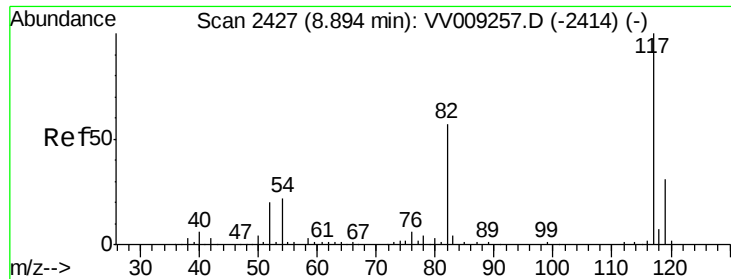


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

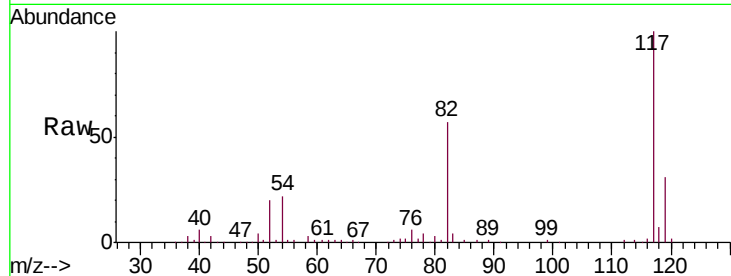




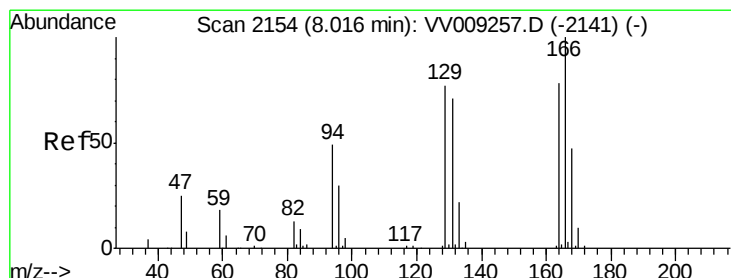
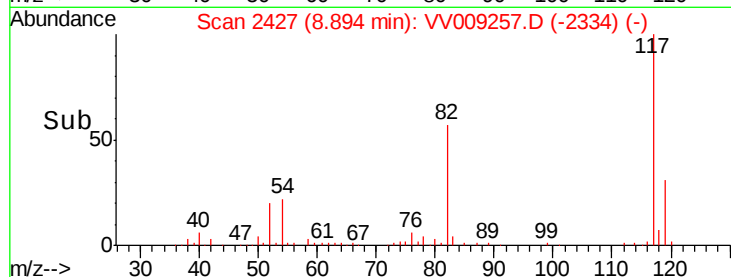
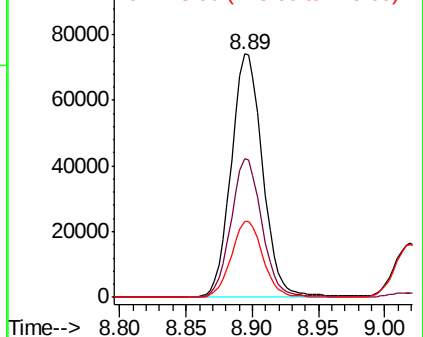
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 122469
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.6
119 31.0 24.8 37.2

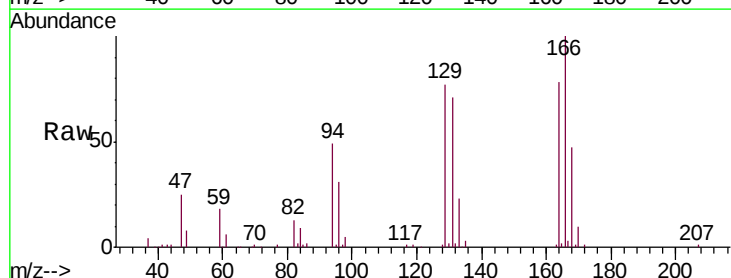


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV0
Ion 118.90 (118.60 to 119.60): V

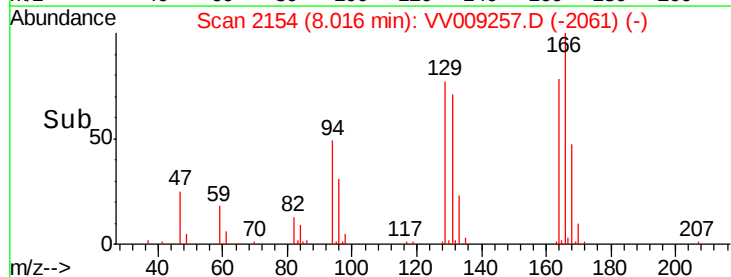
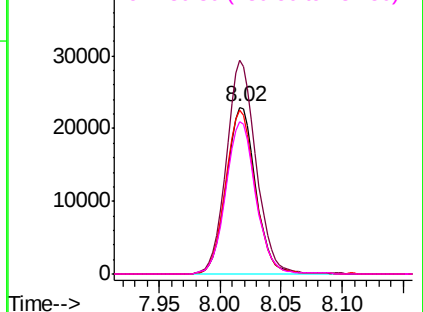


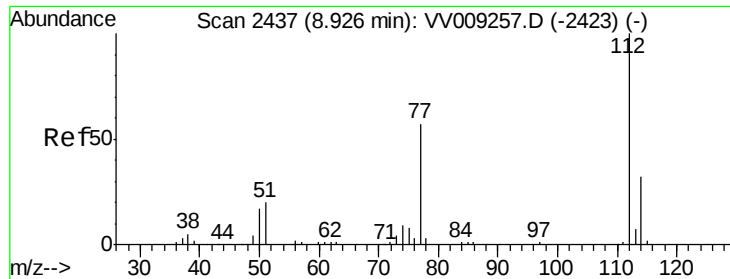
#64
Tetrachloroethene
Concen: 45.524 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion:164 Resp: 38727
Ion Ratio Lower Upper
164 100
166 127.9 102.3 153.5
129 98.2 78.6 117.8
131 91.4 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

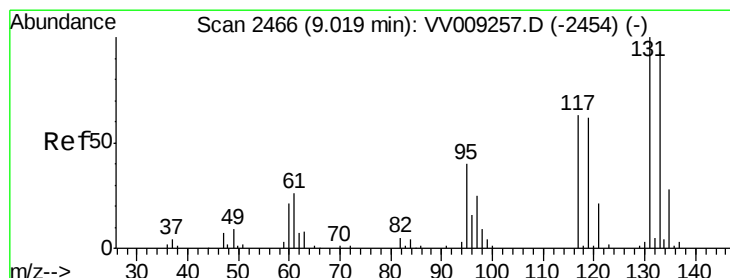
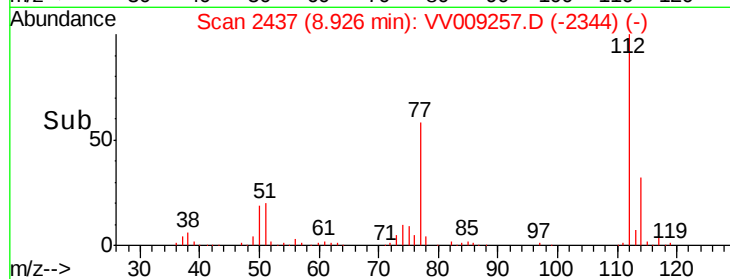
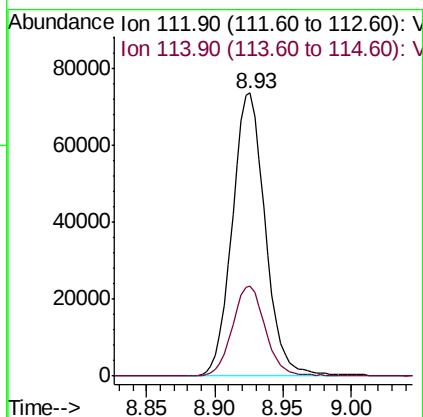
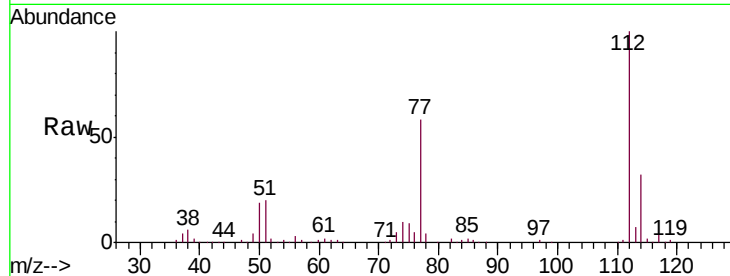




#65
Chlorobenzene
Concen: 44.440 ug/l
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

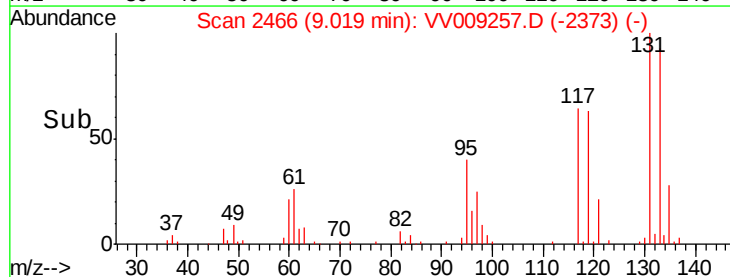
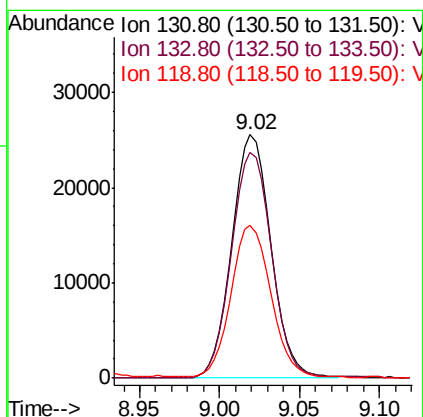
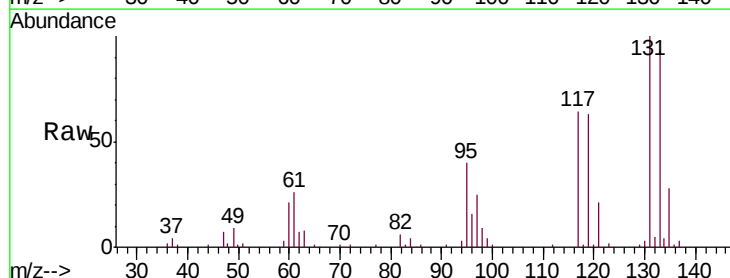
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

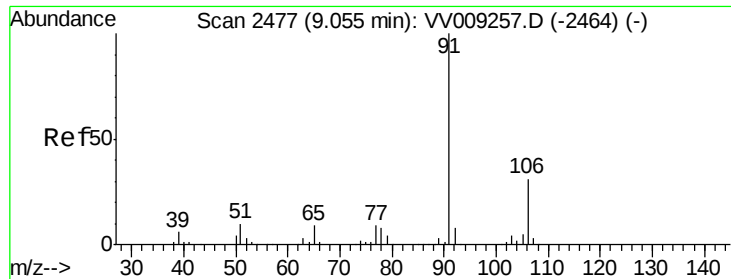
Tgt Ion:112 Resp: 123860
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 44.941 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion:131 Resp: 42795
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 64.8 32.4 97.2

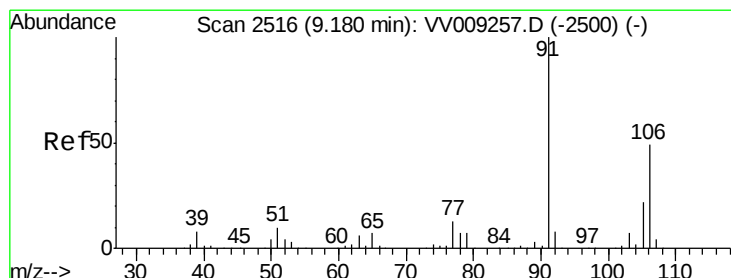
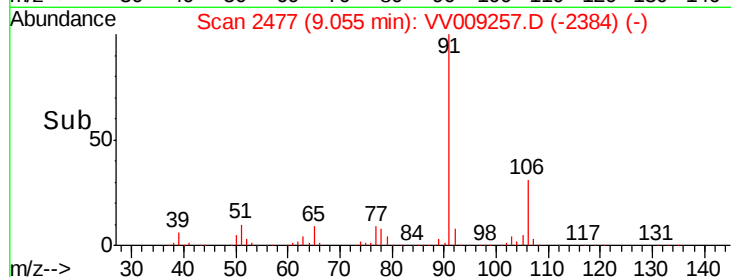
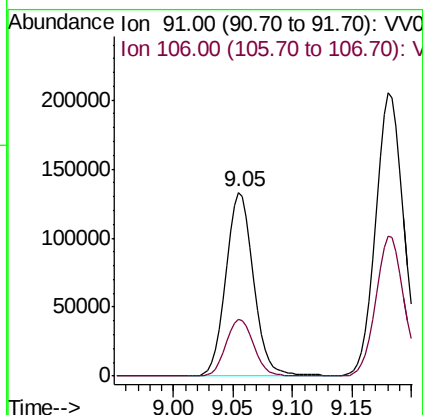
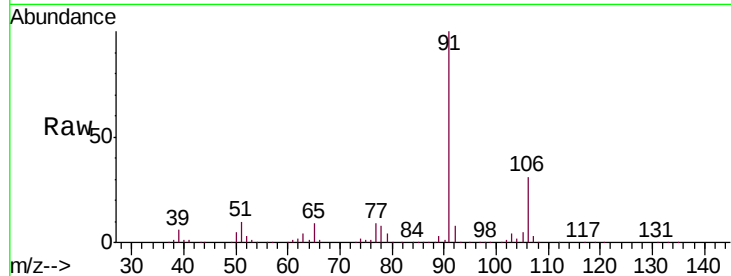




#67
Ethyl Benzene
Concen: 43.772 ug/l
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

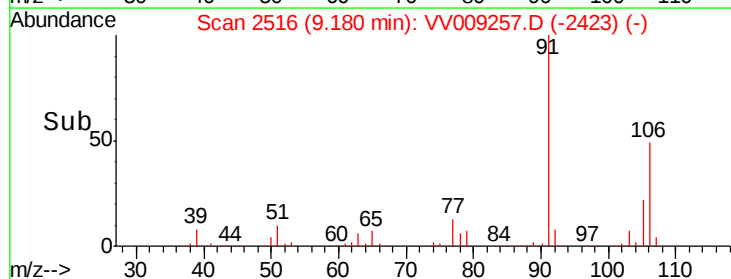
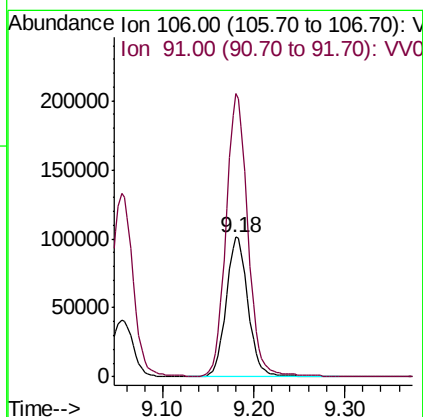
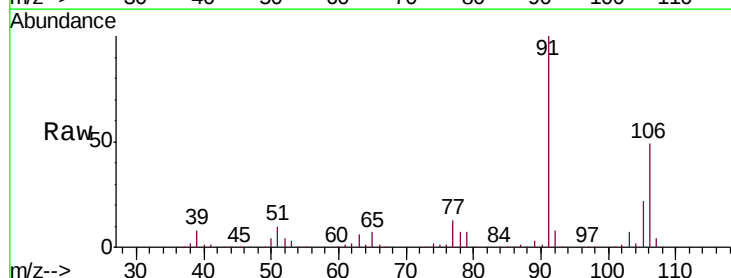
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

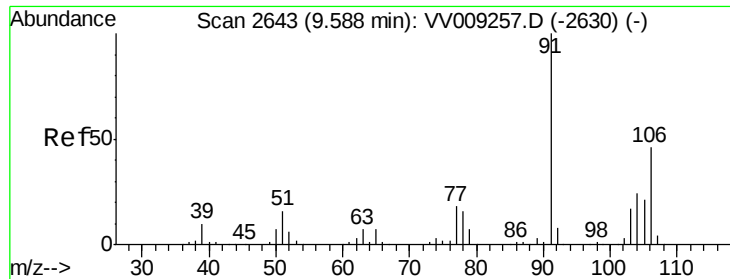
Tgt Ion: 91 Resp: 215609
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 90.023 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 106 Resp: 168875
Ion Ratio Lower Upper
106 100
91 202.4 161.9 242.9

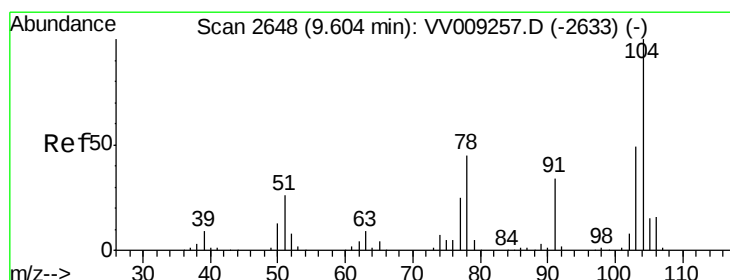
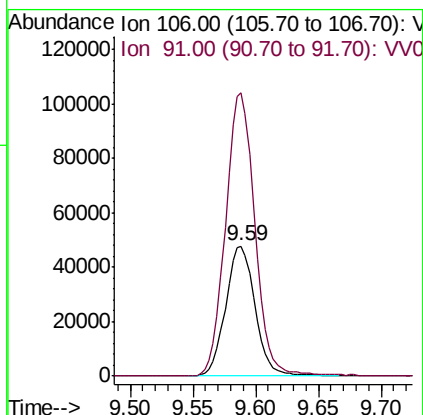
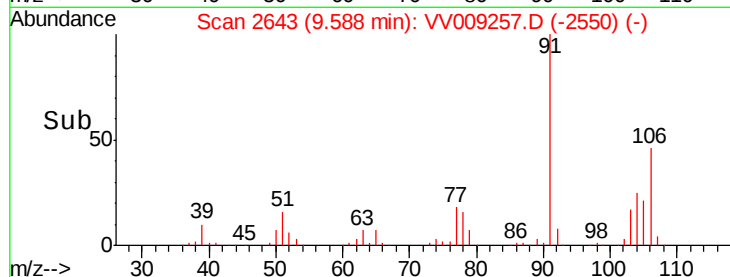
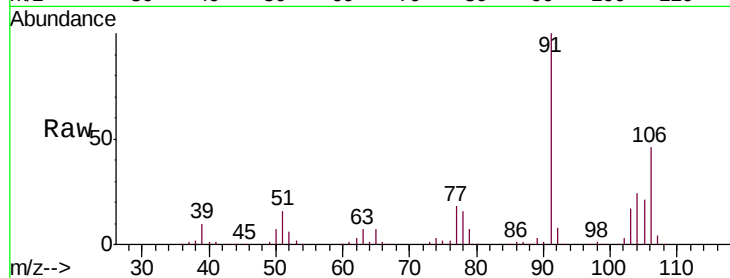




#69
o-Xylene
Concen: 44.772 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

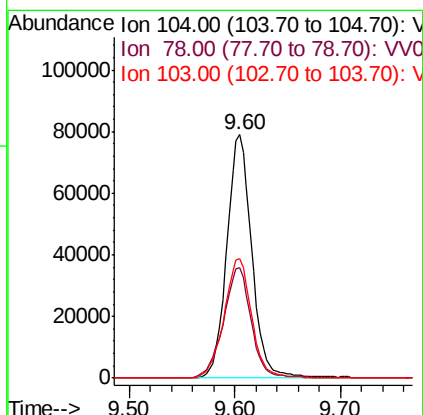
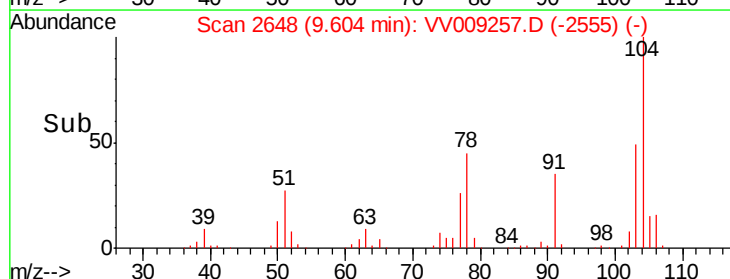
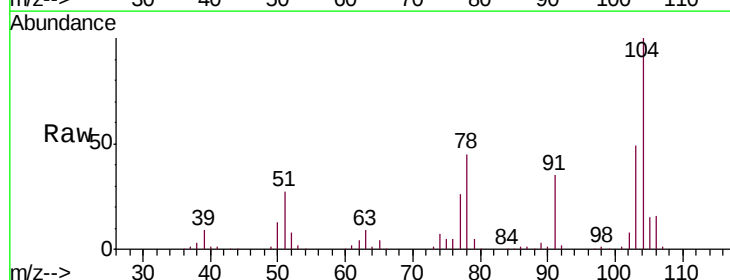
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

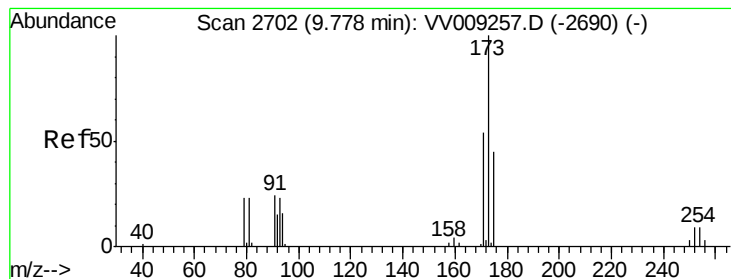
Tgt Ion:106 Resp: 77782
Ion Ratio Lower Upper
106 100
91 216.6 108.3 324.9



#70
Styrene
Concen: 46.374 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion:104 Resp: 129256
Ion Ratio Lower Upper
104 100
78 50.7 40.6 60.8
103 54.1 43.3 64.9





#71

Bromoform

Concen: 51.654 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

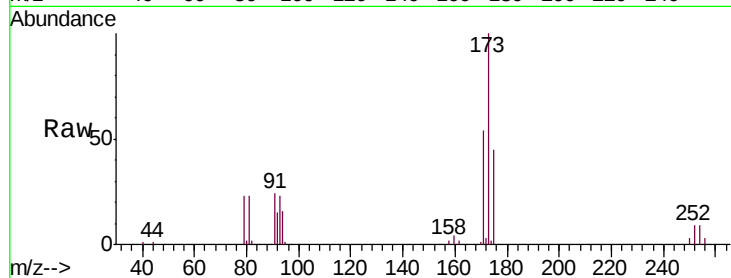
Tgt Ion:173 Resp: 23666

Ion Ratio Lower Upper

173 100

175 47.8 23.9 71.7

254 0.0 0.0 0.0

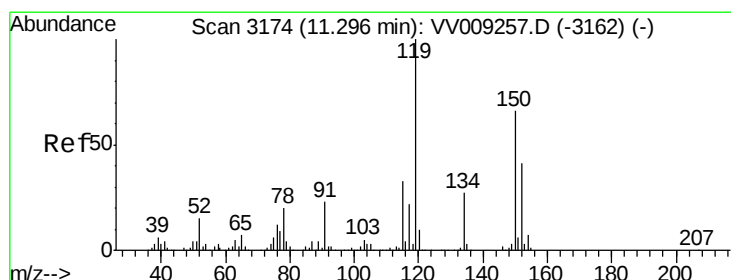
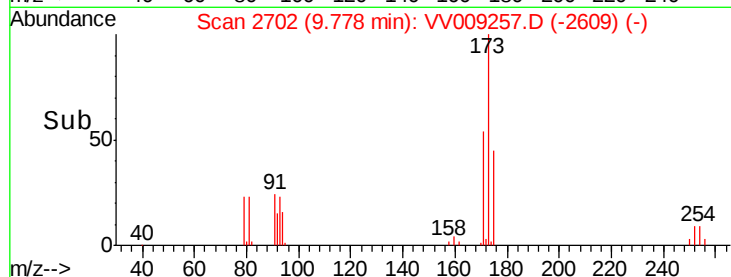
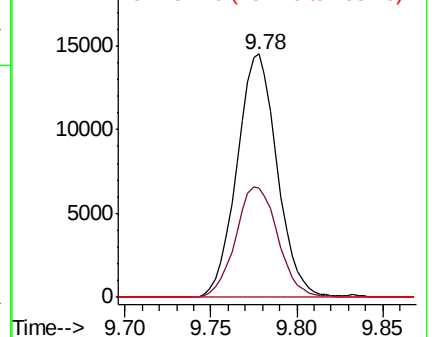


Abundance

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: VV009257.D

Acq: 24 Jan 2019 13:48

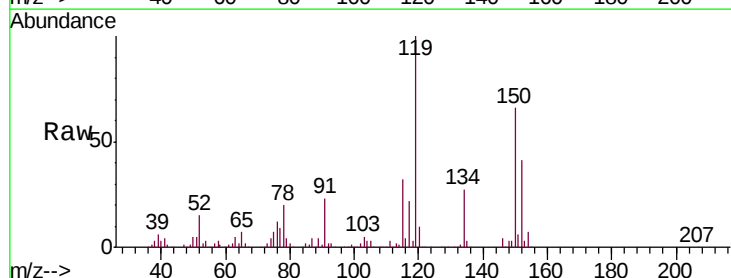
Tgt Ion:152 Resp: 63658

Ion Ratio Lower Upper

152 100

115 85.9 43.0 128.8

150 176.0 0.0 352.0

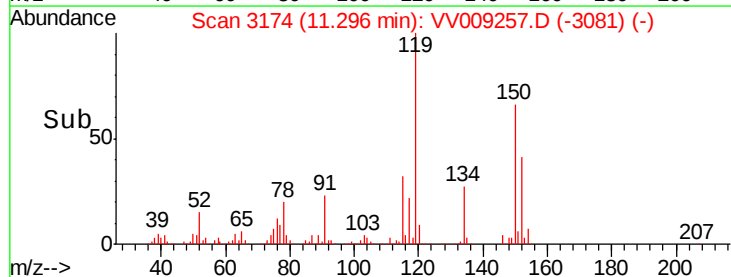
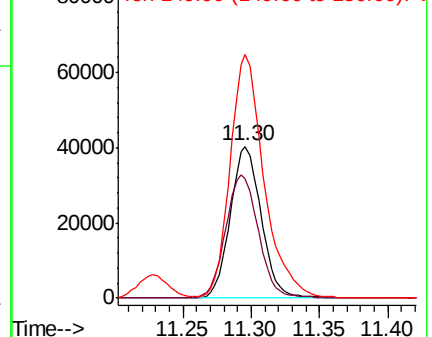


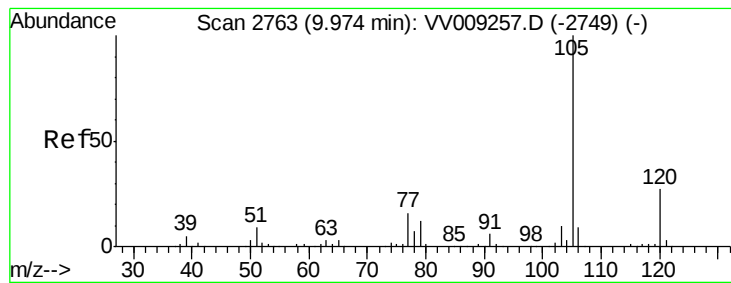
Abundance

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: 42.773 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

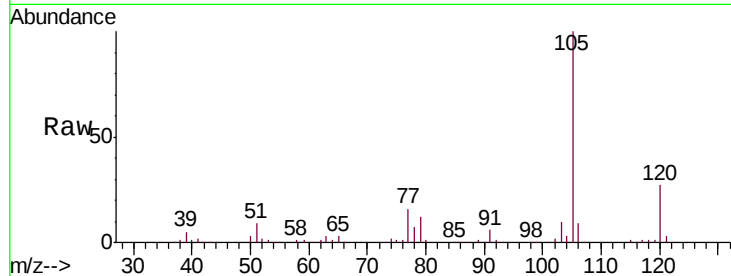
VSTDICCC050

Tgt Ion:105 Resp: 217841

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

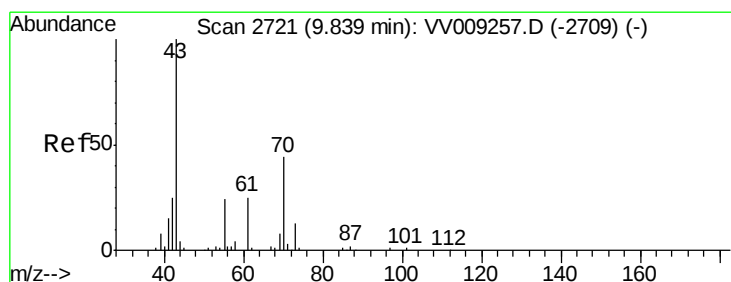
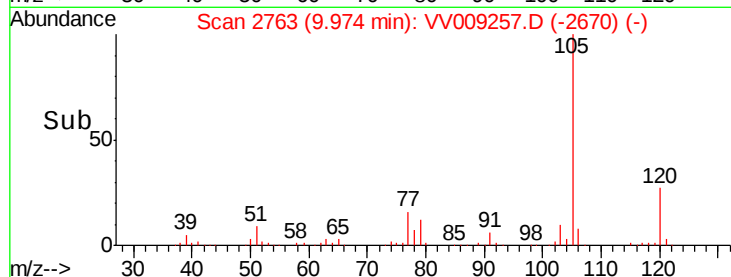
100000

50000

0

9.90 9.97 10.00

Time-->



#74

N-ethyl acetate

Concen: 52.573 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Tgt Ion: 43 Resp: 51440

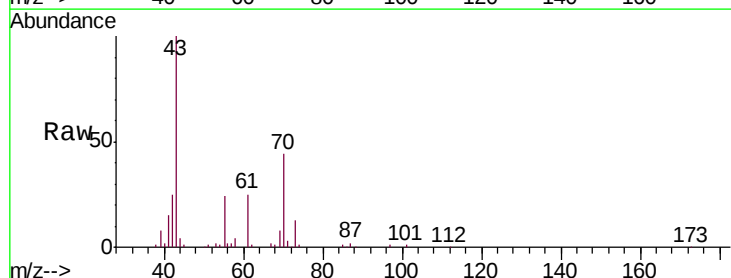
Ion Ratio Lower Upper

43 100

70 44.2 35.4 53.0

55 25.5 20.4 30.6

61 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

50000

40000

30000

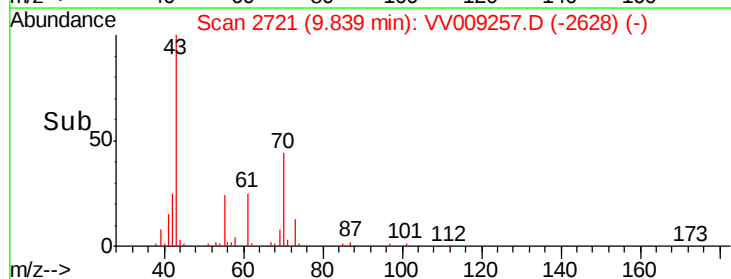
20000

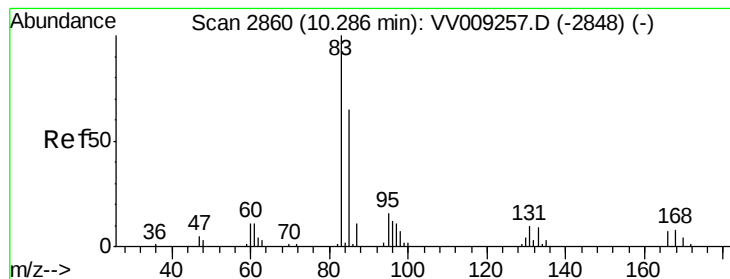
10000

0

9.75 9.80 9.84 9.90 9.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.375 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

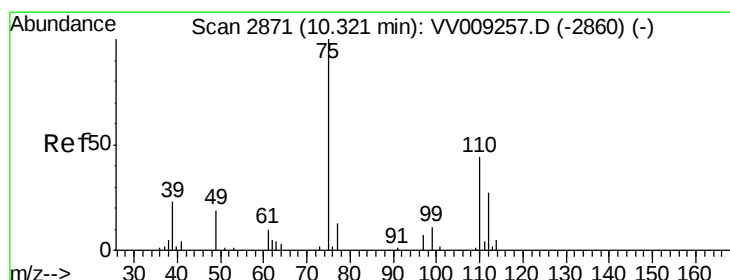
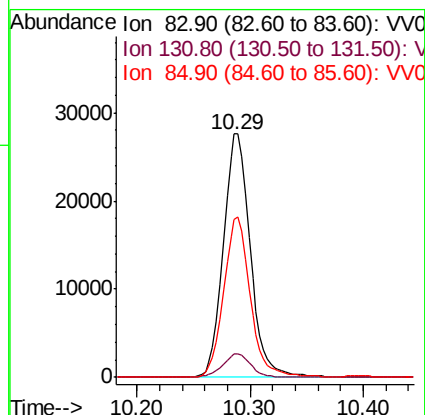
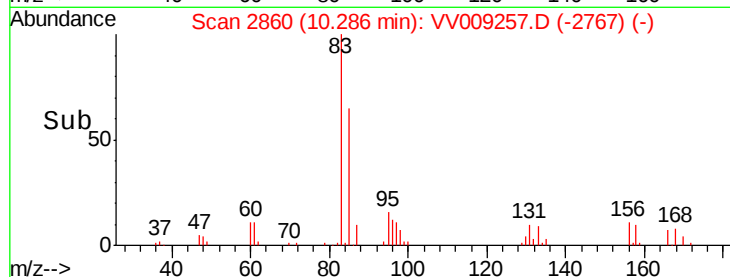
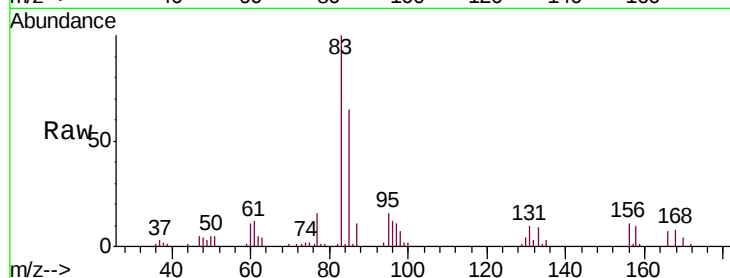
Tgt Ion: 83 Resp: 45897

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

85 64.8 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 69.368 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009257.D

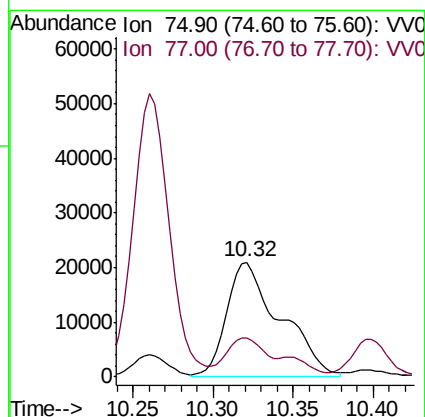
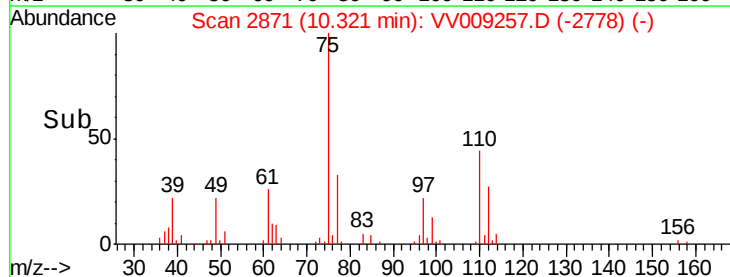
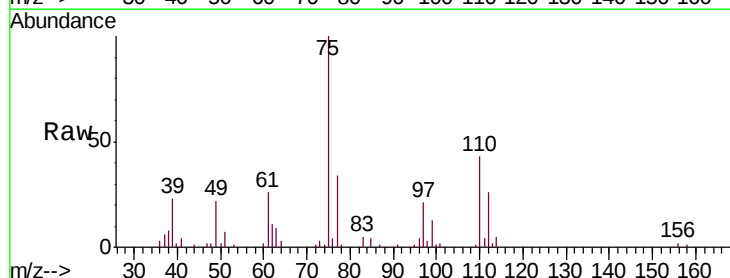
Acq: 24 Jan 2019 13:48

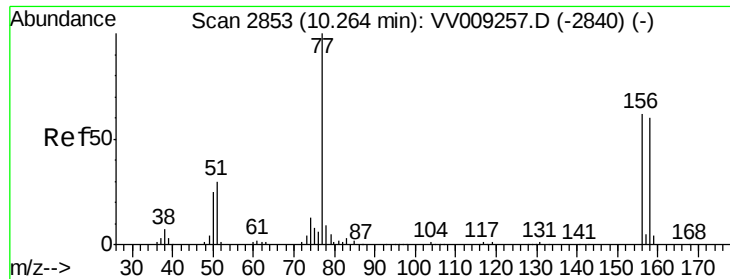
Tgt Ion: 75 Resp: 48455

Ion Ratio Lower Upper

75 100

77 15.6 6.2 18.4





#77

Bromobenzene

Concen: 45.479 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

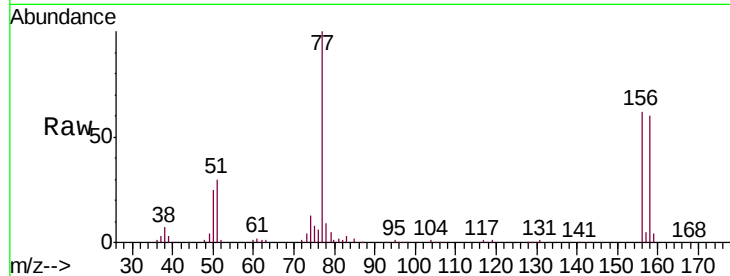
Tgt Ion:156 Resp: 50375

Ion Ratio Lower Upper

156 100

77 163.3 81.7 244.9

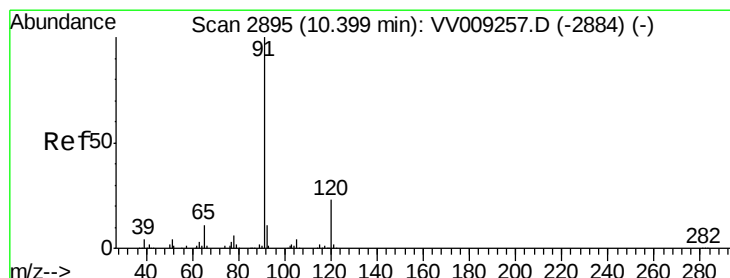
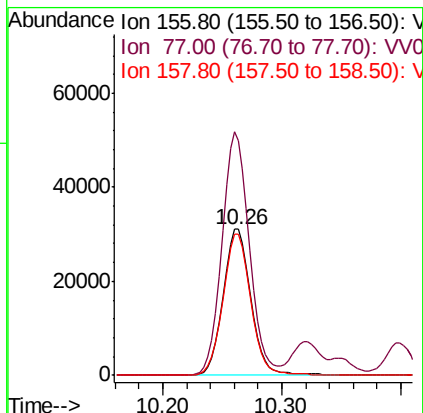
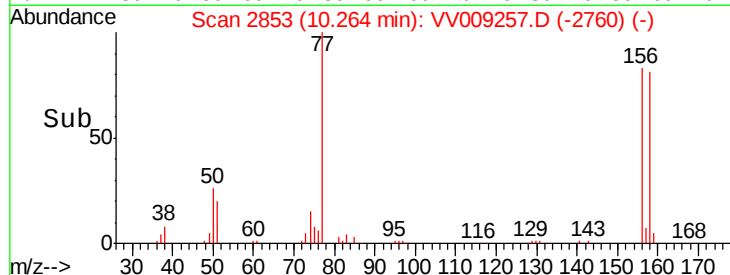
158 96.7 48.4 145.0



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: 42.674 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009257.D

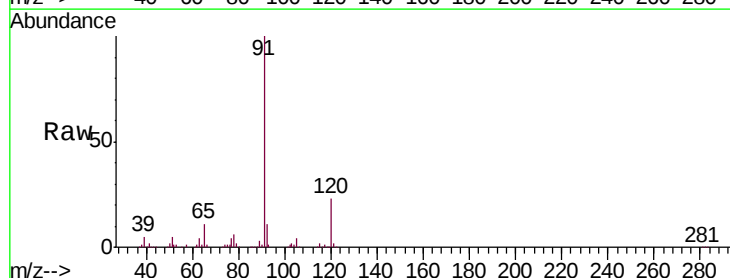
Acq: 24 Jan 2019 13:48

Tgt Ion: 91 Resp: 257885

Ion Ratio Lower Upper

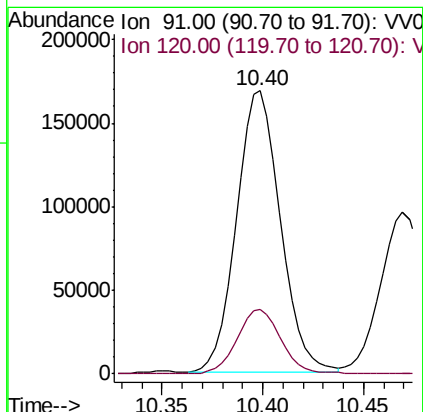
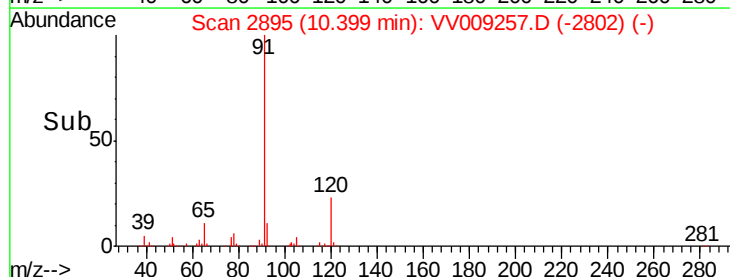
91 100

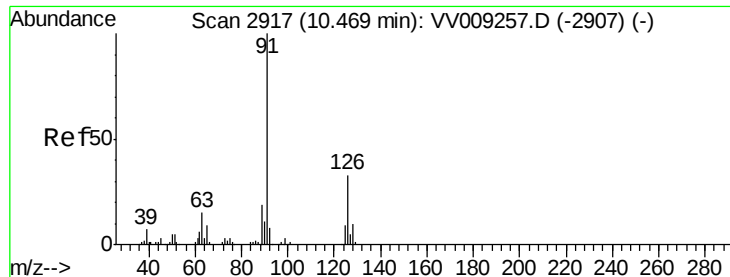
120 23.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V

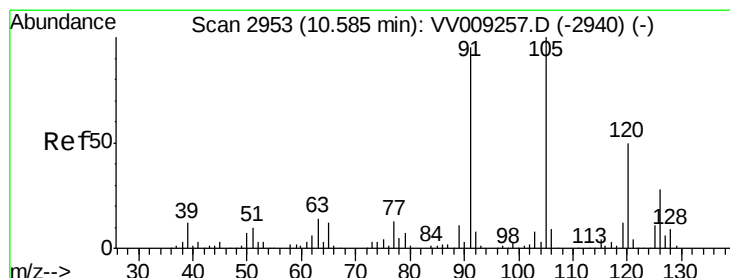
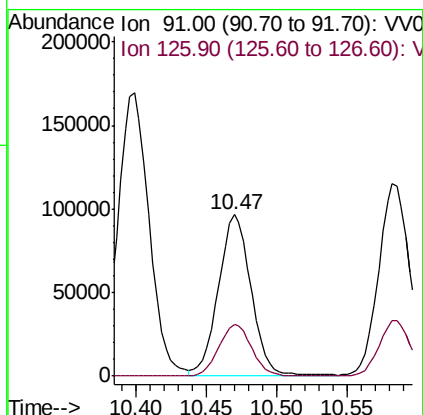
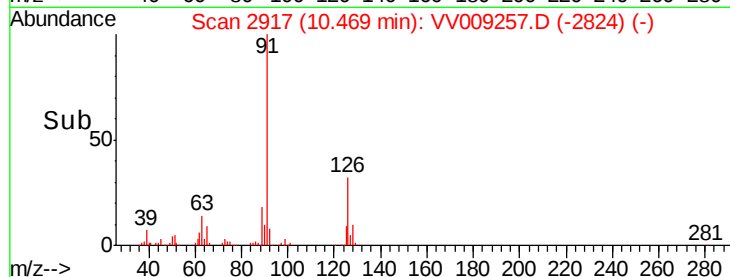
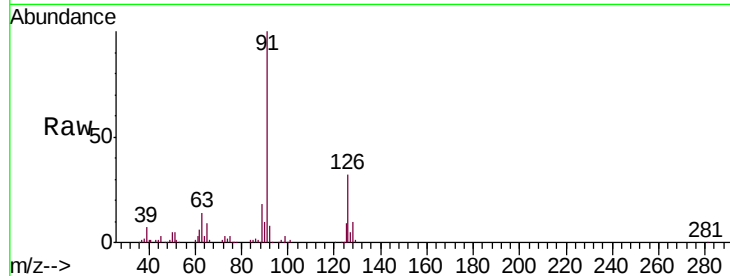




#79
 2-Chlorotoluene
 Concen: 42.073 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

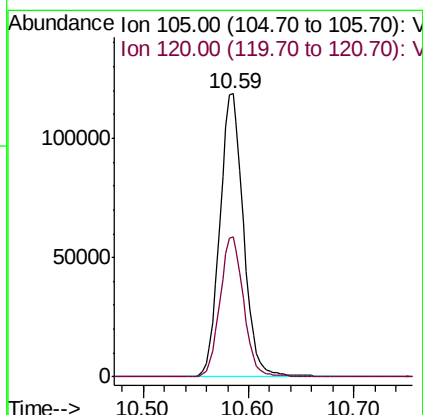
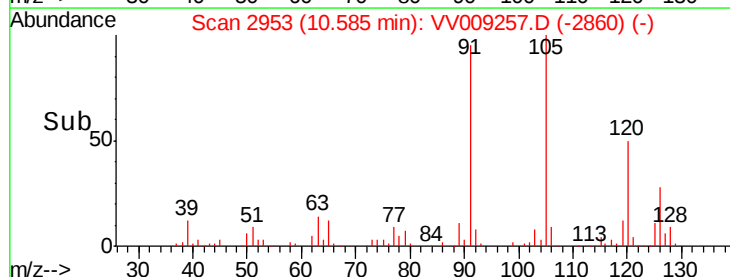
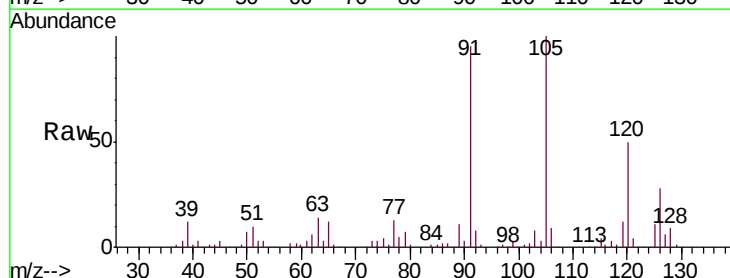
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

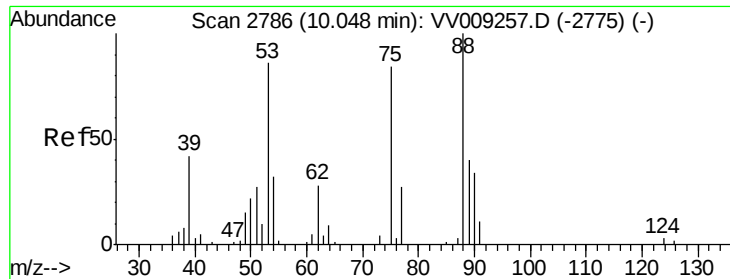
Tgt Ion: 91 Resp: 153463
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 43.115 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion: 105 Resp: 184292
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 52.750 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

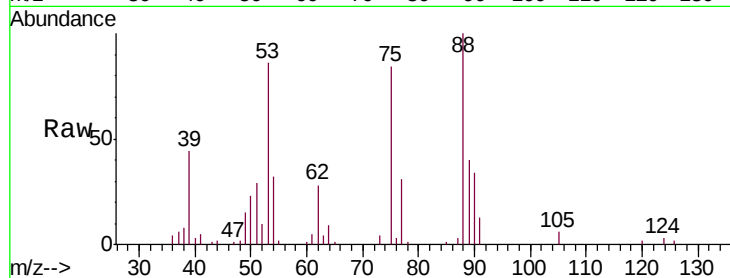
Tgt Ion: 75 Resp: 12987

Ion Ratio Lower Upper

75 100

53 100.2 80.2 120.2

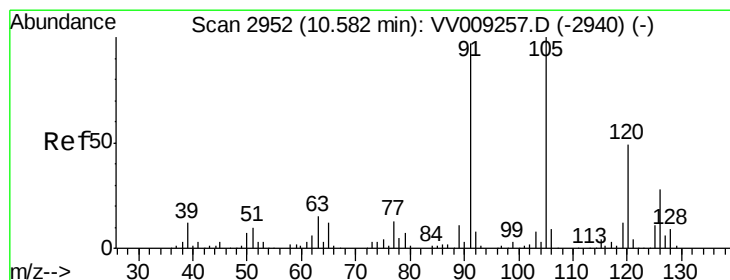
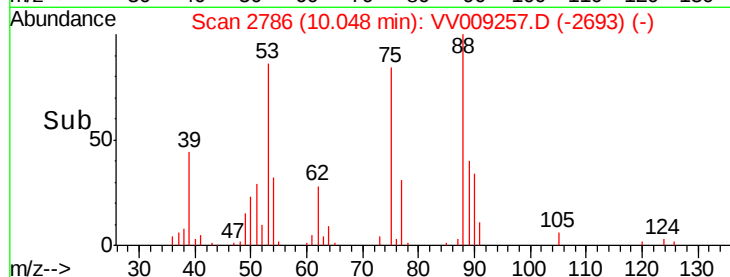
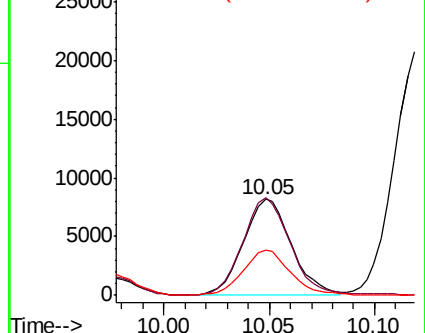
89 46.0 36.8 55.2



Abundance Ion 74.90 (74.60 to 75.60): VV009257.D (-2775) (-)

Ion 53.00 (52.70 to 53.70): VV009257.D (-2775) (-)

Ion 88.90 (88.60 to 89.60): VV009257.D (-2775) (-)



#82

4-Chlorotoluene

Concen: 42.467 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009257.D

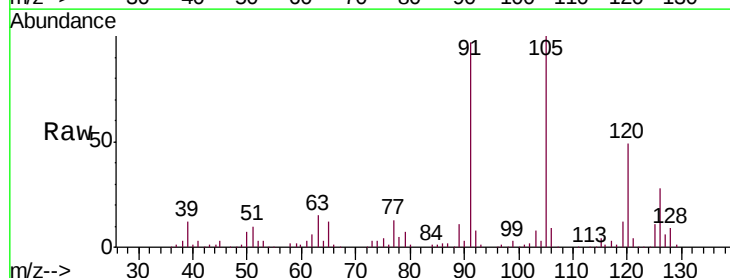
Acq: 24 Jan 2019 13:48

Tgt Ion: 91 Resp: 182956

Ion Ratio Lower Upper

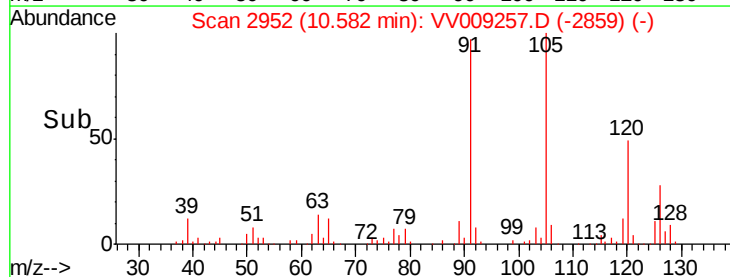
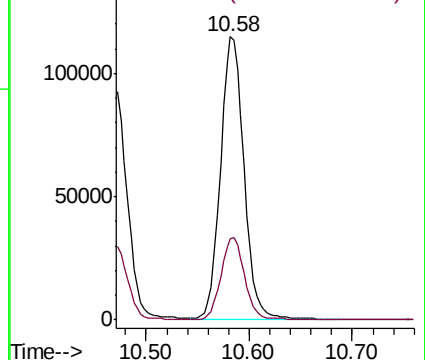
91 100

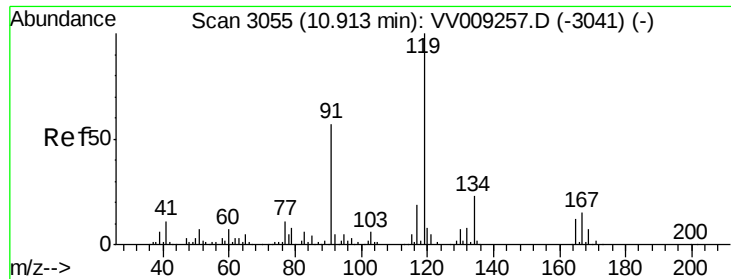
126 29.3 14.6 44.0



Abundance Ion 91.00 (90.70 to 91.70): VV009257.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VV009257.D (-2940) (-)

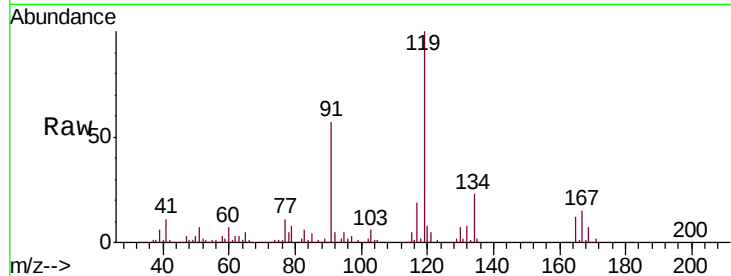




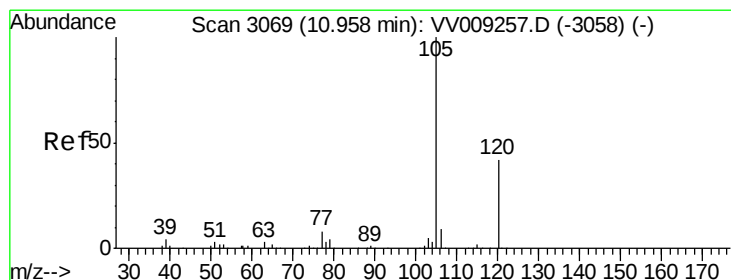
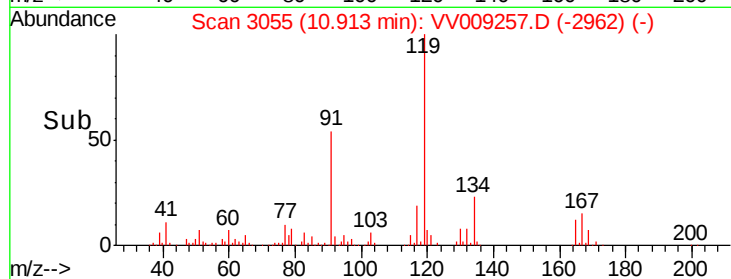
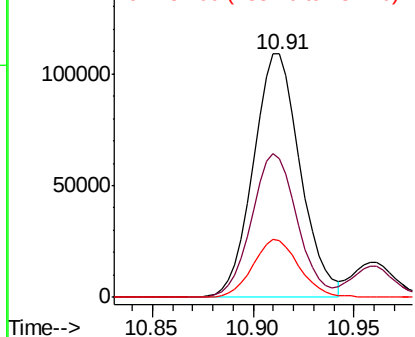
#83
 tert-Butylbenzene
 Concen: 43.416 ug/l
 RT: 10.91 min Scan# 3055
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 177133
 Ion Ratio Lower Upper
 119 100
 91 57.2 28.6 85.8
 134 23.7 11.9 35.5

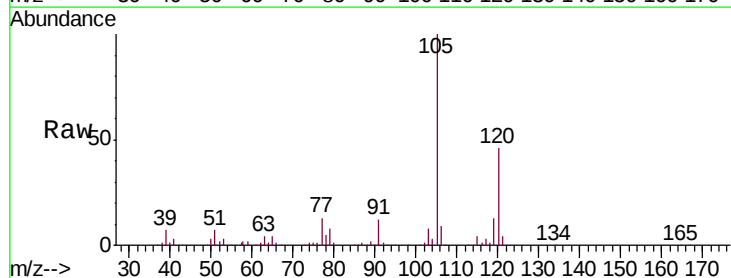


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VV0
 Ion 134.00 (133.70 to 134.70): V

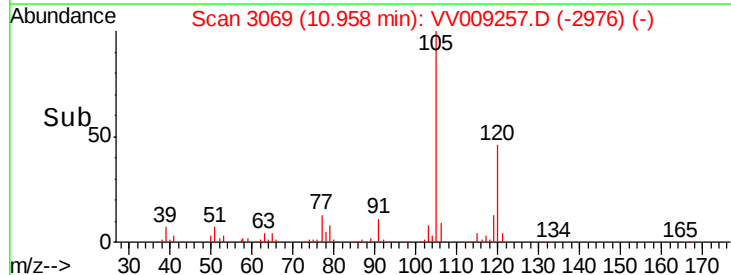
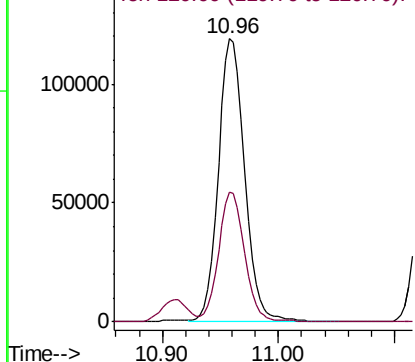


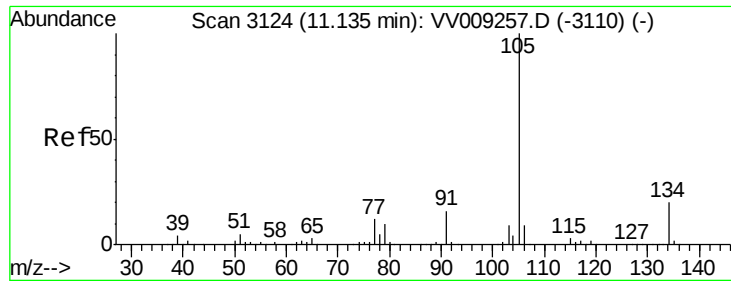
#84
 1,2,4-Trimethylbenzene
 Concen: 43.369 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion:105 Resp: 187513
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

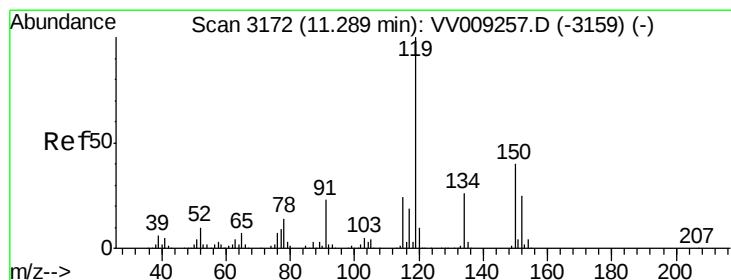
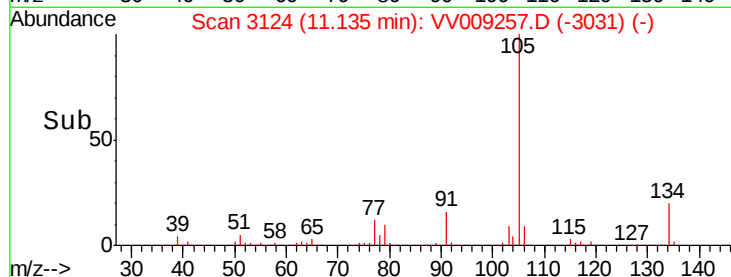
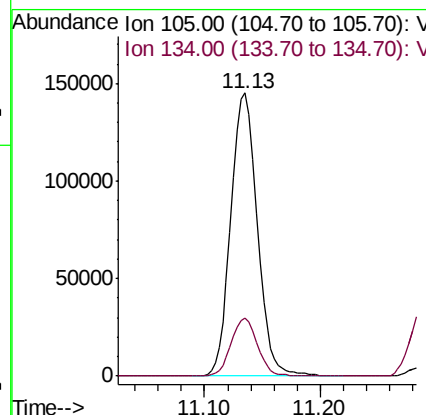
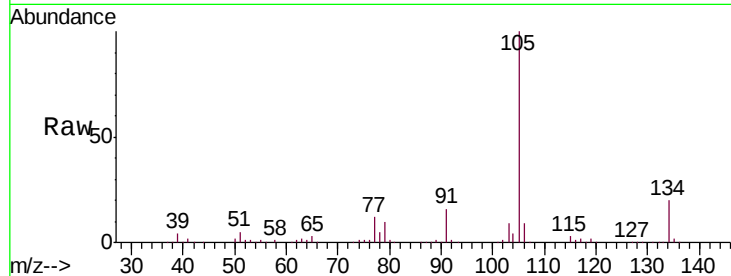




#85
 sec-Butylbenzene
 Concen: 42.855 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

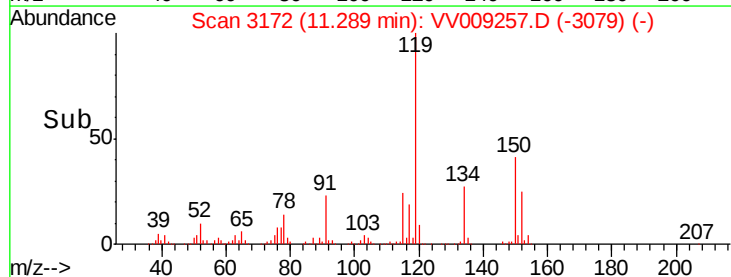
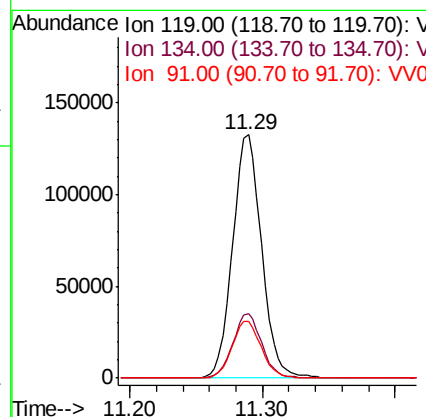
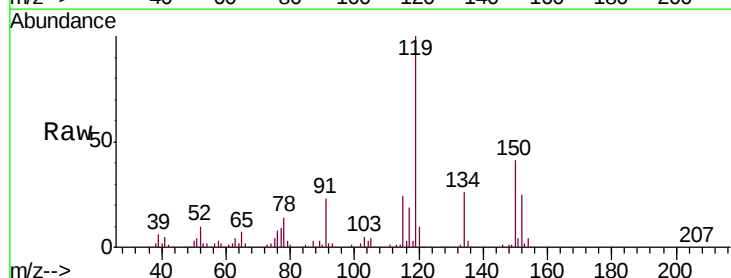
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

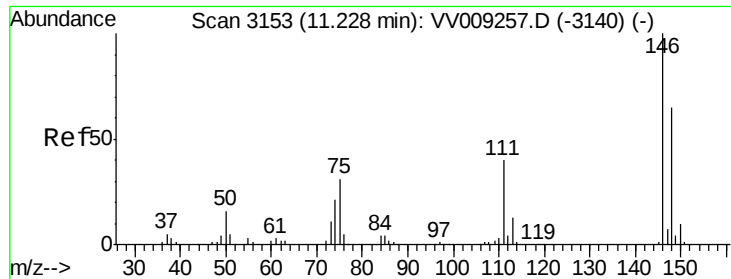
Tgt Ion:105 Resp: 228857
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 43.166 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion:119 Resp: 201924
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.8 11.9 35.7

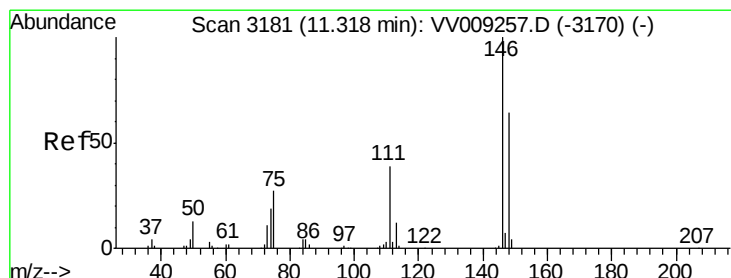
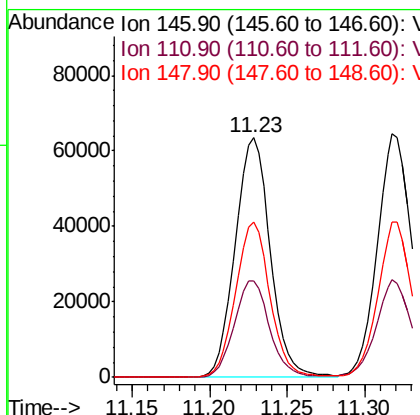
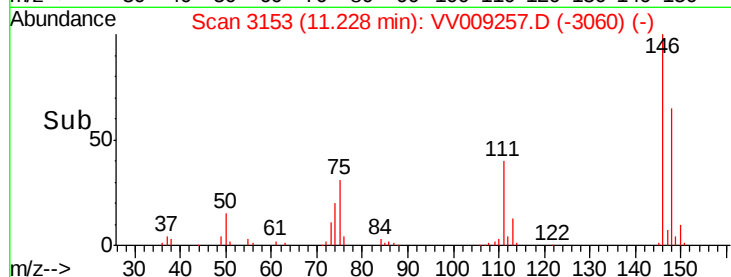
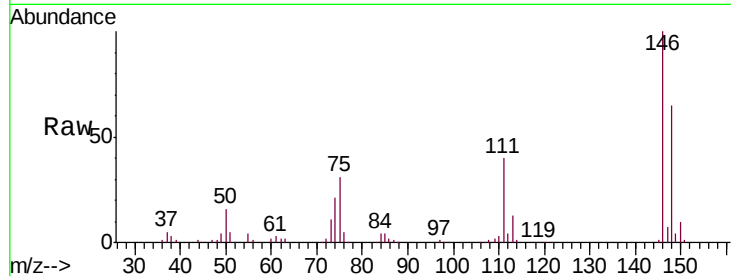




#87
 1,3-Dichlorobenzene
 Concen: 43.910 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

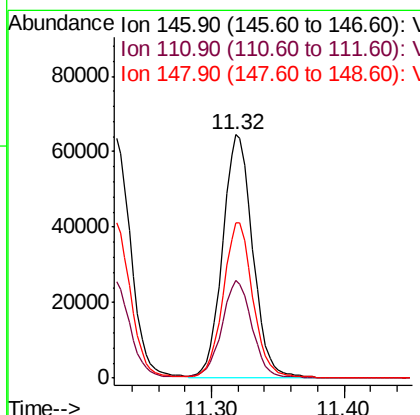
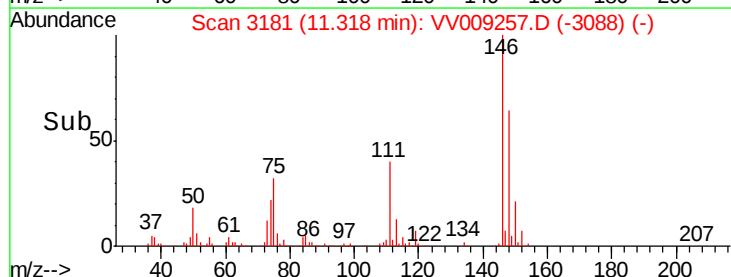
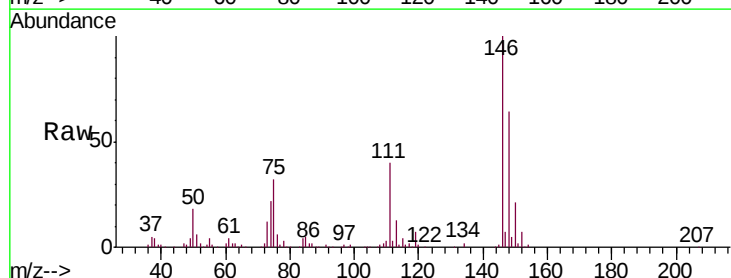
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

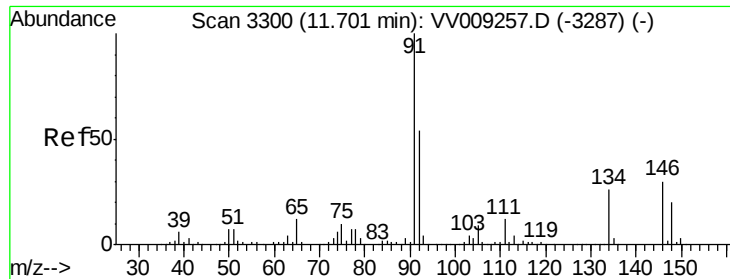
Tgt Ion:146 Resp: 100432
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.5
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 44.146 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion:146 Resp: 102142
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 61.0
 148 63.2 31.6 94.8

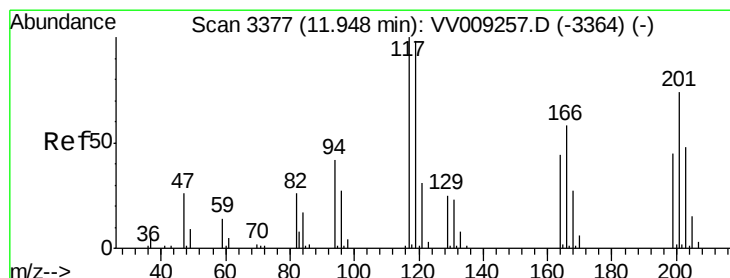
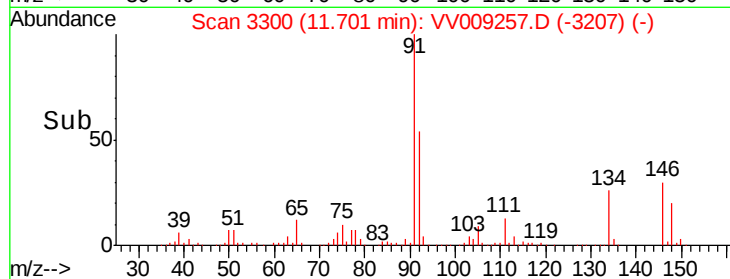
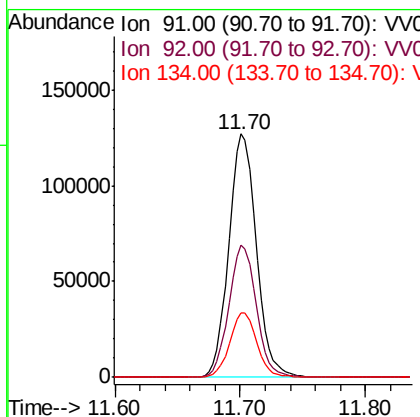
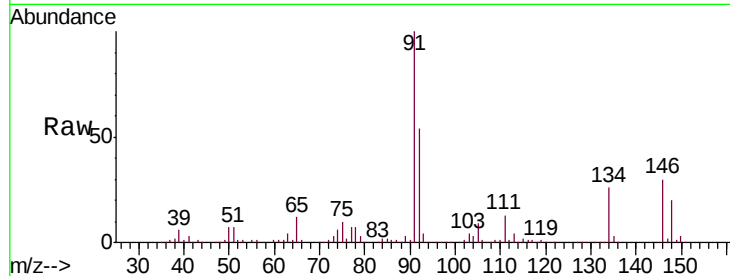




#89
n-Butylbenzene
Concen: 42.663 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

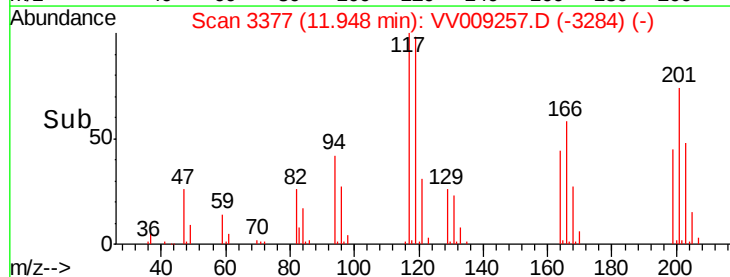
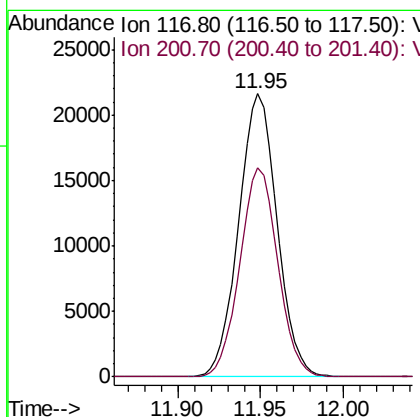
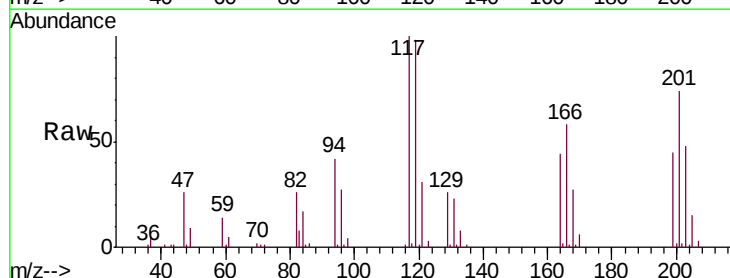
Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

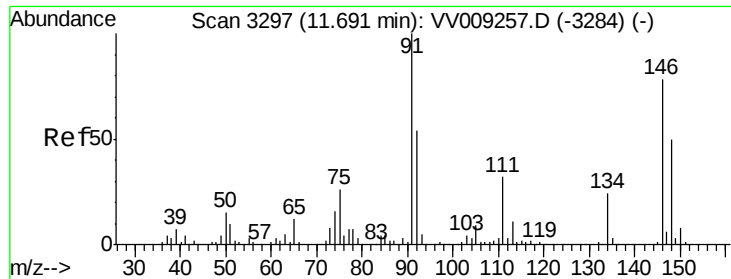
Tgt Ion: 91 Resp: 193459
Ion Ratio Lower Upper
91 100
92 54.1 27.1 81.2
134 26.2 13.1 39.3



#90
Hexachloroethane
Concen: 42.219 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009257.D
Acq: 24 Jan 2019 13:48

Tgt Ion: 117 Resp: 34932
Ion Ratio Lower Upper
117 100
201 72.9 36.4 109.3

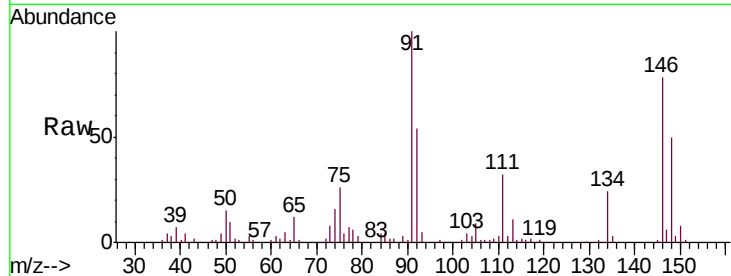




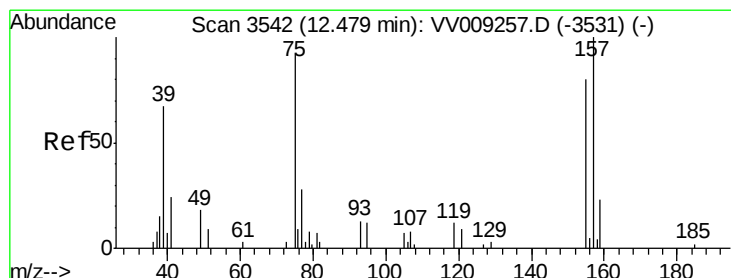
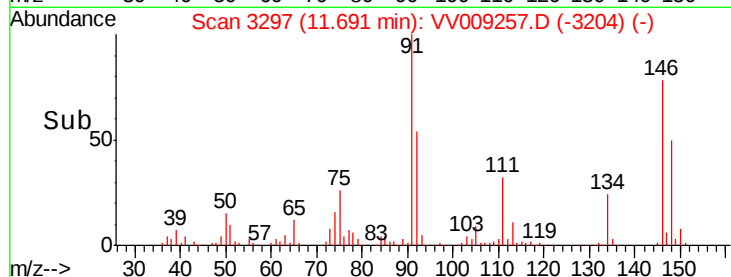
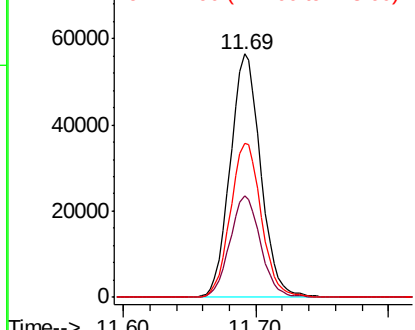
#91
 1,2-Dichlorobenzene
 Concen: 44.536 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 90147
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.7
 148 64.2 32.1 96.3

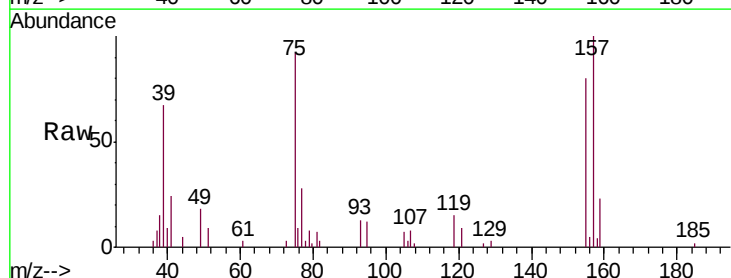


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

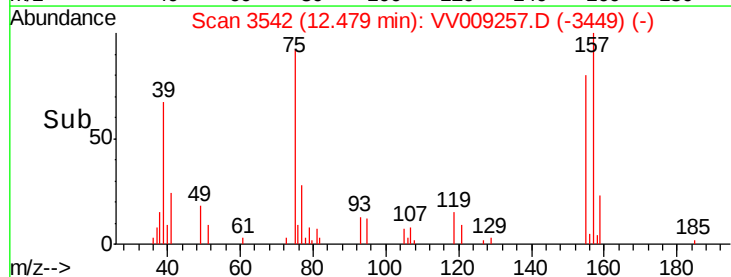
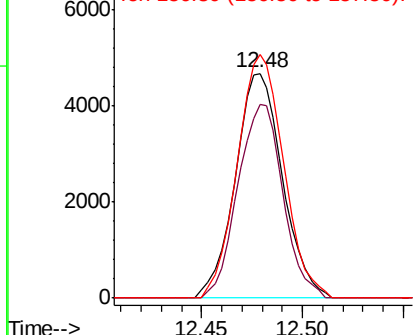


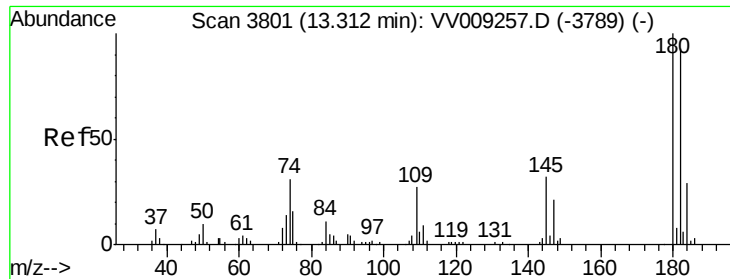
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.317 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion: 75 Resp: 7665
 Ion Ratio Lower Upper
 75 100
 155 82.3 41.1 123.4
 157 106.4 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VV0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

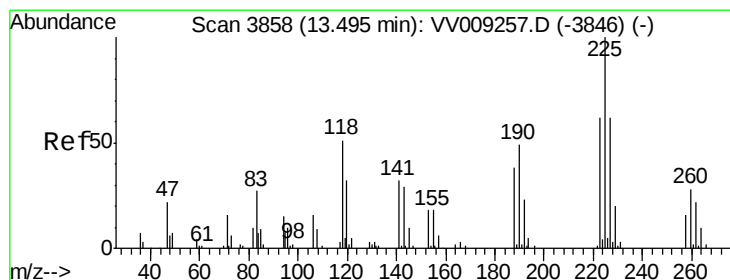
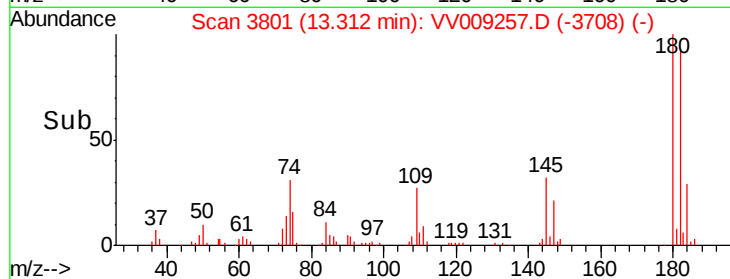
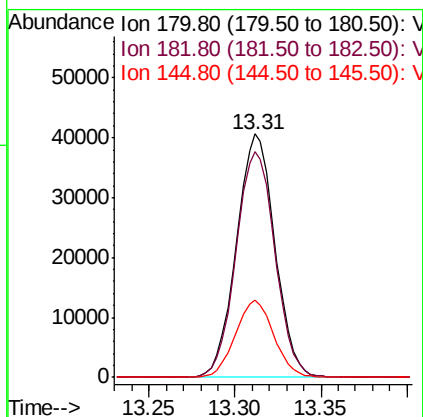
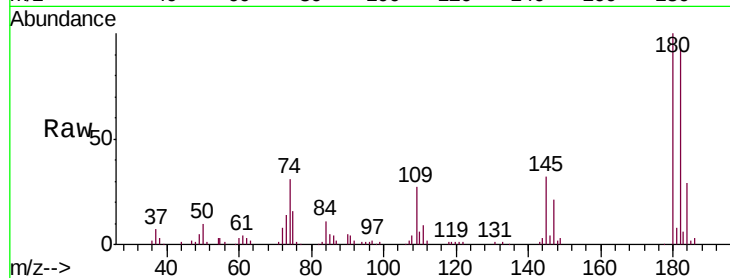




#93
 1,2,4-Trichlorobenzene
 Concen: 47.943 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

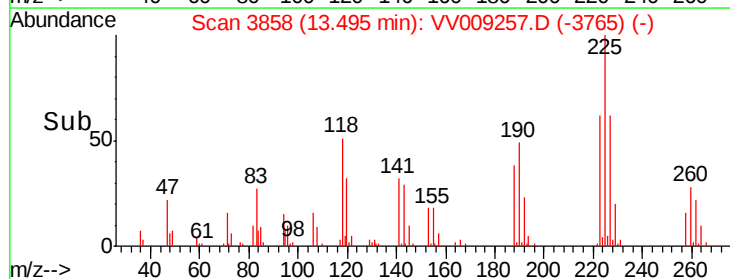
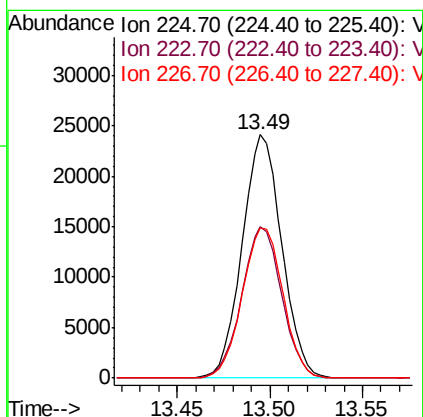
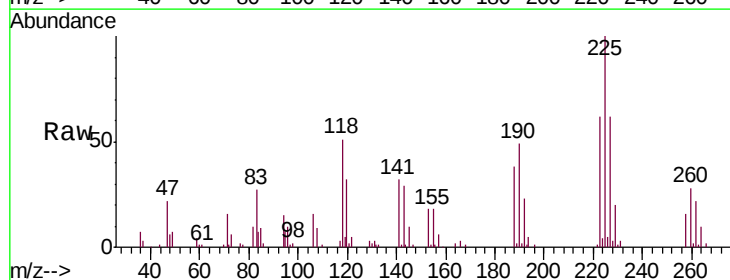
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

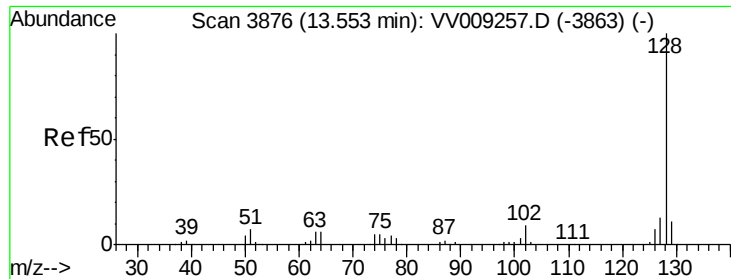
Tgt Ion:180 Resp: 63129
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.1 141.4
 145 31.6 15.8 47.4



#94
 Hexachlorobutadiene
 Concen: 44.309 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009257.D
 Acq: 24 Jan 2019 13:48

Tgt Ion:225 Resp: 35958
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.3 93.9
 227 63.1 31.6 94.7





#95

Naphthalene

Concen: 54.494 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

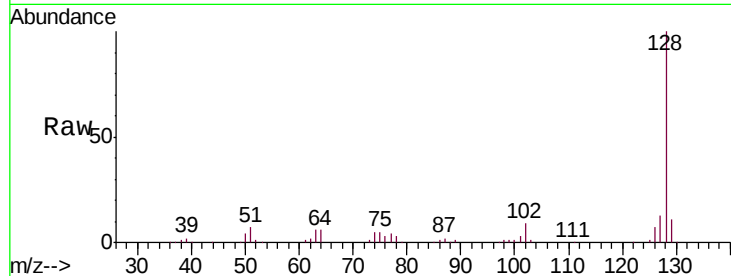
Tgt Ion:128 Resp: 127378

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

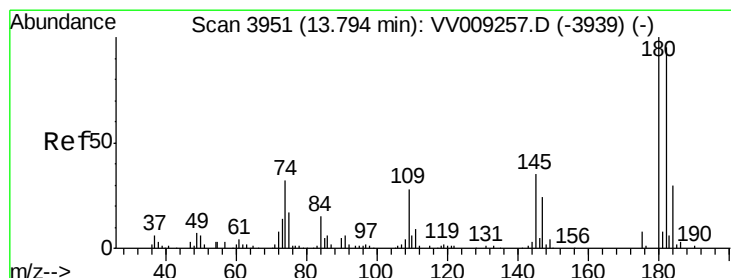
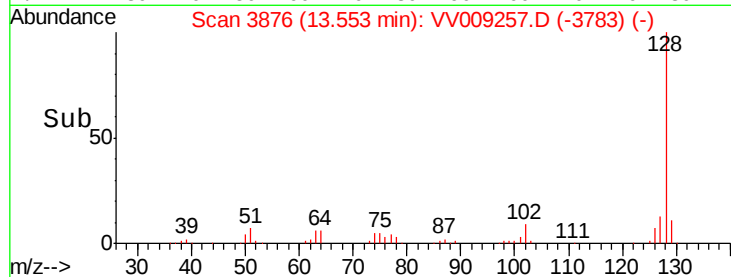
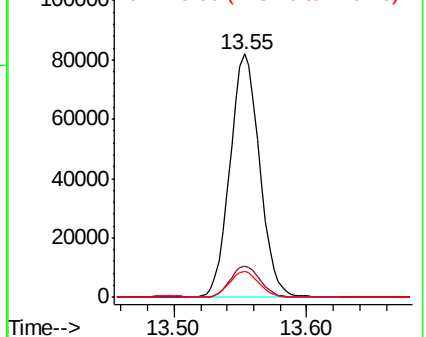
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.717 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009257.D

Acq: 24 Jan 2019 13:48

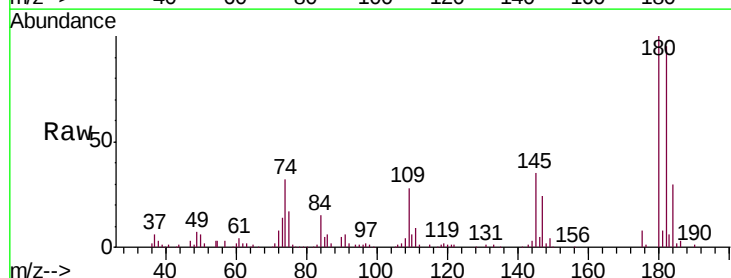
Tgt Ion:180 Resp: 55889

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

145 34.4 17.2 51.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

