

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008273.D
 Acq On : 15 Oct 2018 12:54
 Operator : SY/MD
 Sample : VSTD02074
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:42:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 04:38:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	128985	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	117022	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52591	5.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Vinyl Chloride-d3	1.32	65	152693	19.52	ug/L	0.00
7) Chloroethane-d5	1.59	69	108141	16.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	283536	18.67	ug/L	0.00
20) 2-Butanone-d5	3.97	46	492906	242.62	ug/L	0.00
24) Chloroform-d	4.41	84	329497	20.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	165129	20.16	ug/L	0.00
32) Benzene-d6	5.10	84	704758	22.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	236336	23.70	ug/L	0.00
41) Toluene-d8	7.36	98	649742	22.14	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	92951	26.28	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	386519	280.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	156631	22.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	197669	19.60	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	198010	22.483	ug/L	99
3) Chloromethane	1.25	50	196911	25.152	ug/L	98
5) Vinyl chloride	1.33	62	193617	23.008	ug/L	99
6) Bromomethane	1.54	94	105423	25.428	ug/L	100
8) Chloroethane	1.60	64	96498	17.846	ug/L	99
9) Trichlorofluoromethane	1.77	101	218216	16.048	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	135198	16.944	ug/L	98
12) 1,1-Dichloroethene	2.14	96	124195	18.294	ug/L	98
13) Acetone	2.22	43	251006	191.530	ug/L	95
14) Carbon disulfide	2.32	76	422028	22.924	ug/L	100
15) Methyl Acetate	2.47	43	57488	18.768	ug/L	95
16) Methylene chloride	2.54	84	123725	15.066	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	334413	19.047	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	130891	17.653	ug/L	98
19) 1,1-Dichloroethane	3.23	63	303022	21.333	ug/L	97
21) 2-Butanone	4.06	43	547588	242.350	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	204098	22.806	ug/L	# 96
23) Bromochloromethane	4.30	128	78514	20.128	ug/L	96
25) Chloroform	4.43	83	334636	21.039	ug/L	96
27) 1,2-Dichloroethane	5.19	62	205538	21.963	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	291054	22.045	ug/L	99
30) Cyclohexane	4.72	56	374350	30.459	ug/L	98
31) Carbon tetrachloride	4.87	117	248800	21.202	ug/L	99
33) Benzene	5.15	78	795751	25.391	ug/L	100
34) Trichloroethene	5.96	95	210493	23.104	ug/L	99
35) Methylcyclohexane	6.18	83	380290	28.670	ug/L	99
37) 1,2-Dichloropropane	6.23	63	210226	24.568	ug/L	99
38) Bromodichloromethane	6.56	83	245119	23.849	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	314935	28.173	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	1251208	252.167	ug/L	99

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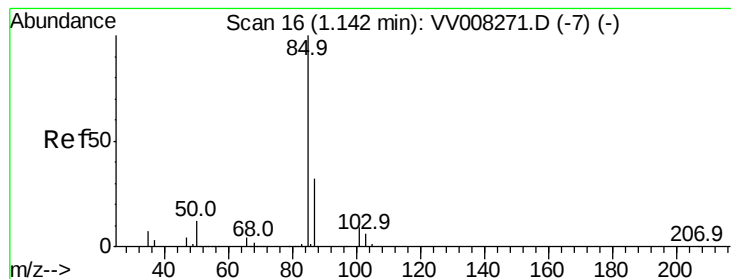
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:42:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	835220	25.377	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	251379	27.859	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	131065	22.665	ug/L	99
47) Tetrachloroethene	8.02	164	140928	18.762	ug/L	95
48) 2-Hexanone	8.19	43	929958	270.648	ug/L	98
49) Dibromochloromethane	8.29	129	157652	22.186	ug/L	99
50) 1,2-Dibromoethane	8.40	107	124365	23.529	ug/L #	94
51) Chlorobenzene	8.93	112	507960	22.733	ug/L	98
52) Ethylbenzene	9.06	91	939811	26.064	ug/L	100
53) m,p-xylene	9.18	106	343711	25.341	ug/L	97
54) o-xylene	9.59	106	335855	25.758	ug/L	99
55) Styrene	9.60	104	556689	25.575	ug/L	97
56) Isopropylbenzene	9.98	105	899546	25.477	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	155142	22.976	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	119992	24.365	ug/L	96
61) Bromoform	9.78	173	80109	23.792	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	364164	22.529	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	354314	21.866	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	331084	21.277	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	25972	29.607	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	250450	19.189	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	203061	21.198	ug/L	99
69) Naphthalene	13.56	128	360751	27.224	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	184591	20.137	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 22.483 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

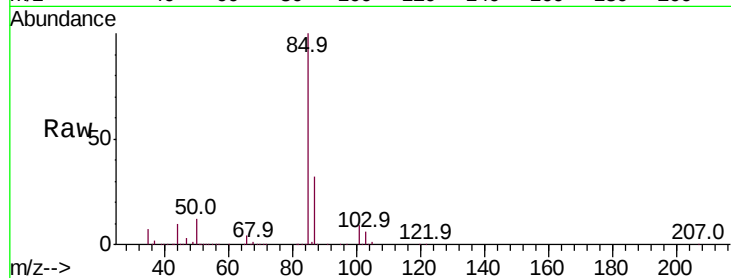
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 198010

Ion Ratio Lower Upper

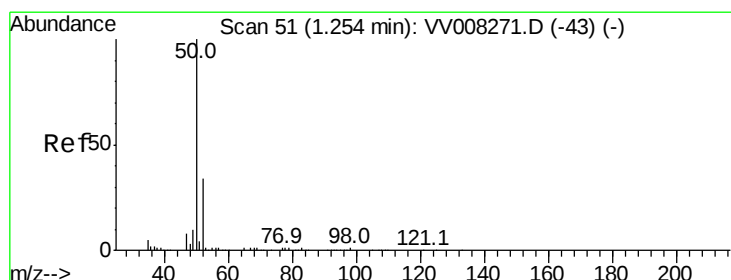
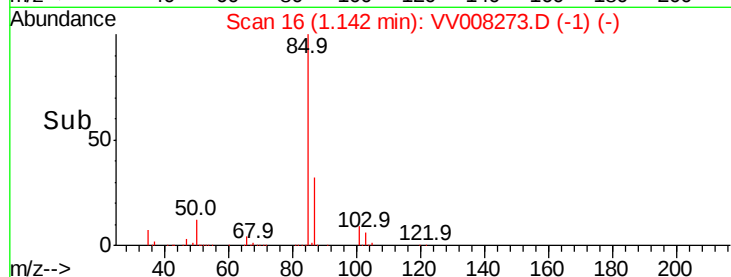
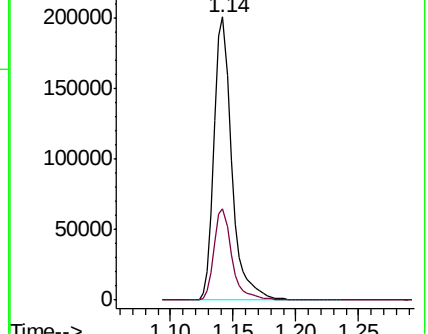
85 100

87 32.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 25.152 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008273.D

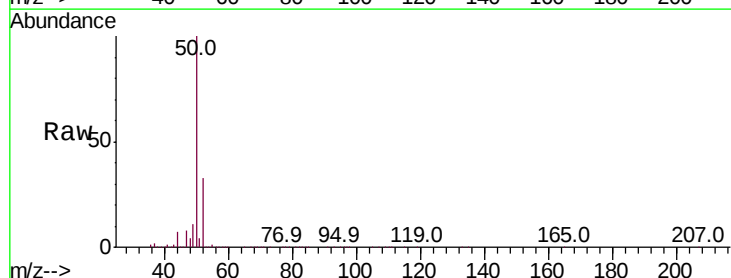
Acq: 15 Oct 2018 12:54

Tgt Ion: 50 Resp: 196911

Ion Ratio Lower Upper

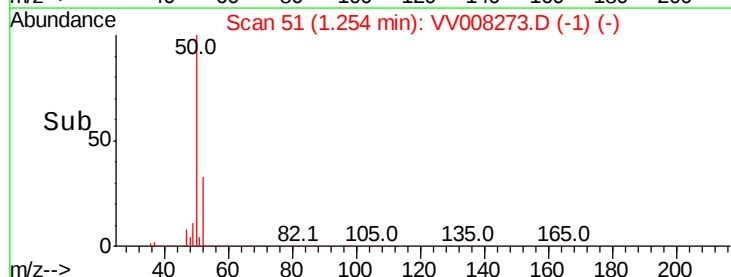
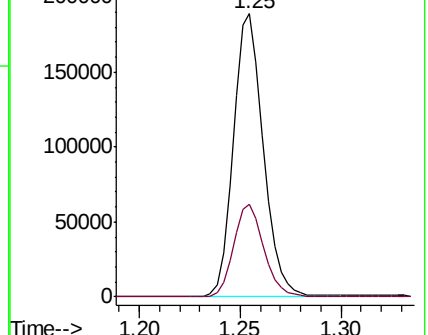
50 100

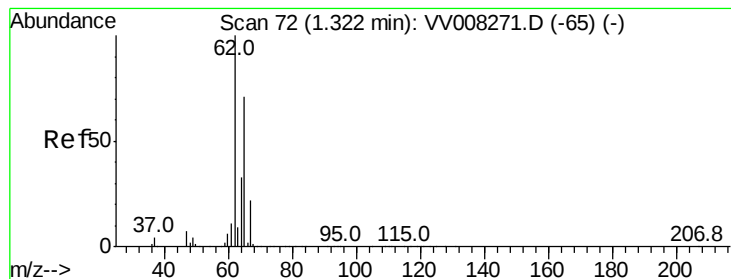
52 32.7 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 23.008 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

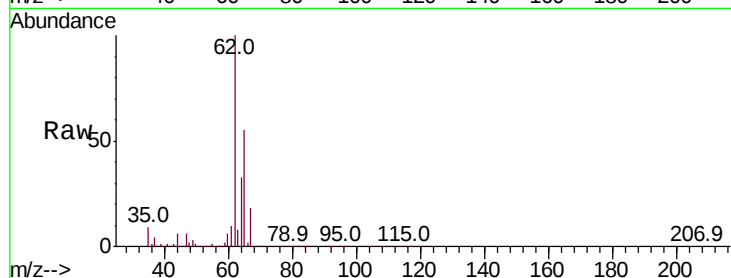
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 193617

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV008273.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008273.D (-65) (-)

1.33

200000

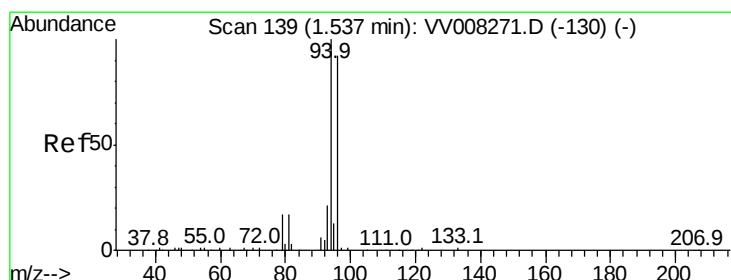
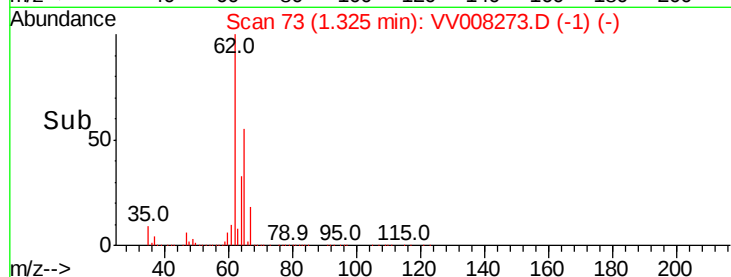
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 25.428 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008273.D

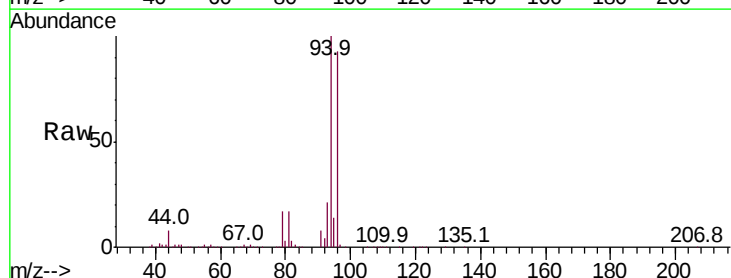
Acq: 15 Oct 2018 12:54

Tgt Ion: 94 Resp: 105423

Ion Ratio Lower Upper

94 100

96 93.0 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV008273.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV008273.D (-130) (-)

1.54

100000

80000

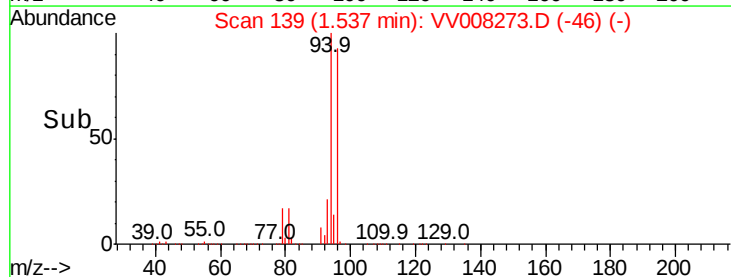
60000

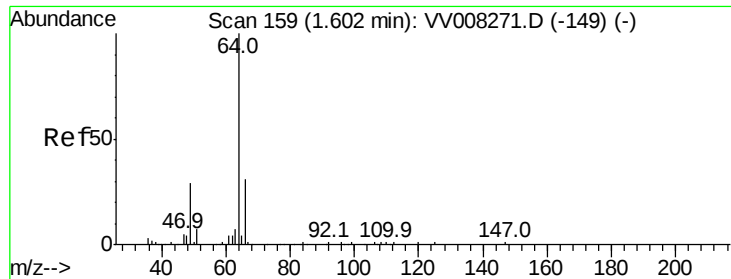
40000

20000

0

Time--> 1.50 1.55 1.60 1.65

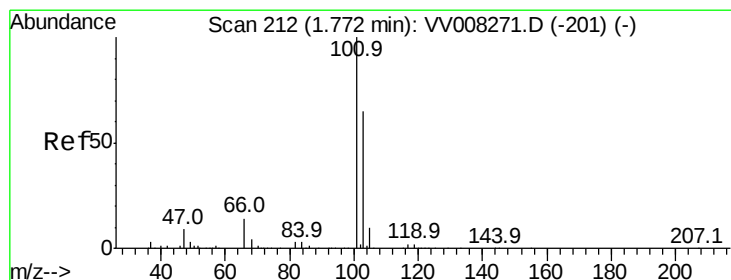
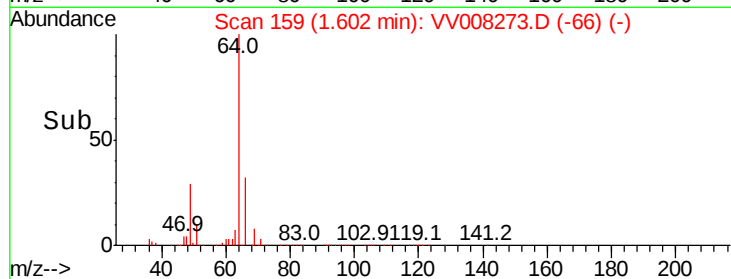
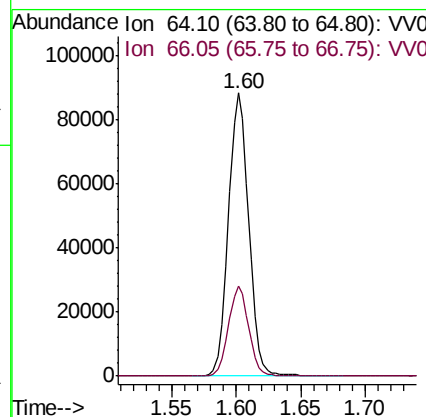
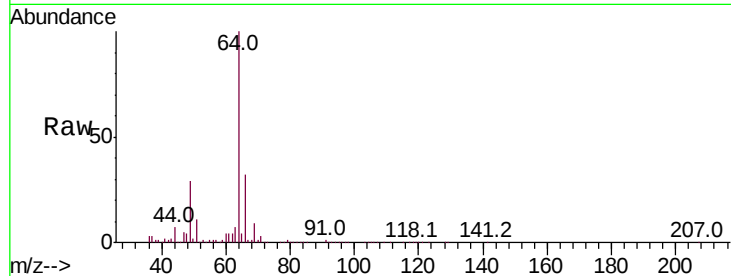




#8
Chloroethane
Concen: 17.846 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

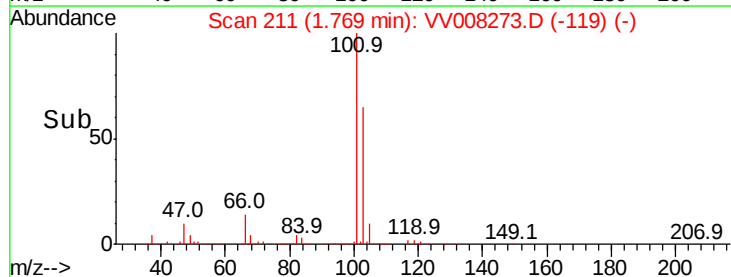
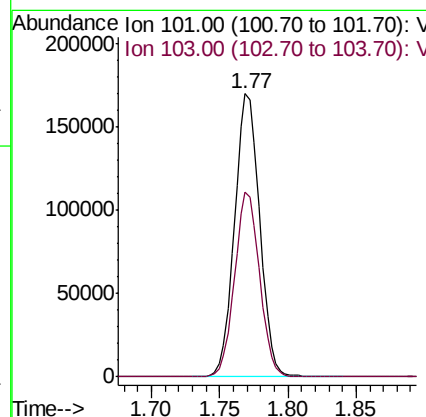
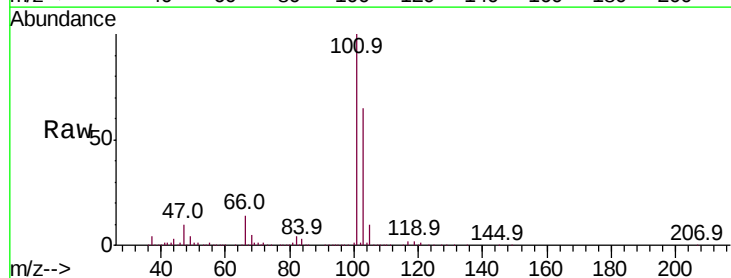
Instrument :
MSVOA_V
ClientSampleId :

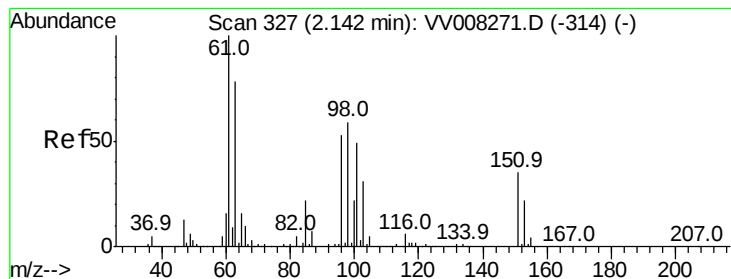
Tot Ion: 64 Resp: 96498
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 16.048 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

Tgt Ion: 101 Resp: 218216
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 16.944 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :

MSVOA_V

ClientSampled :

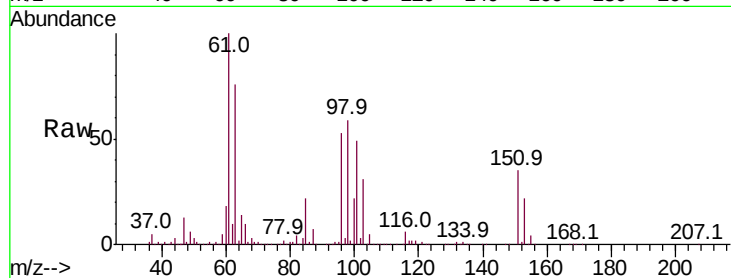
Tot Ion:101 Resp: 135198

Ion Ratio Lower Upper

101 100

85 45.6 37.4 56.2

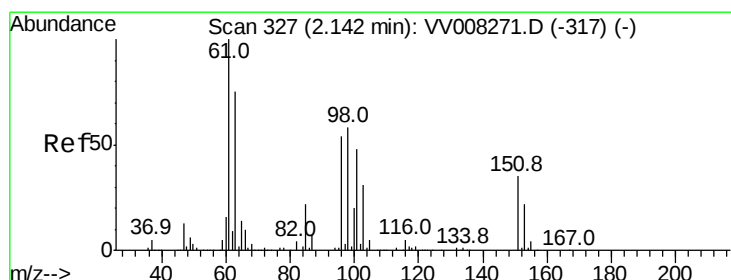
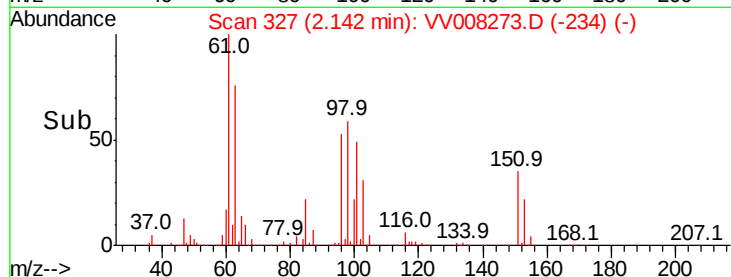
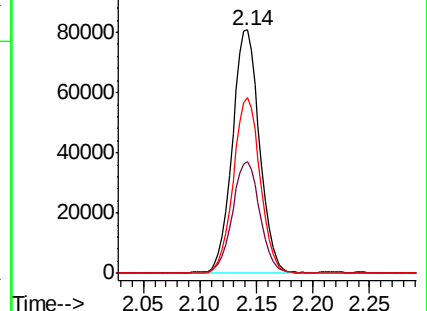
151 71.4 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 18.294 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

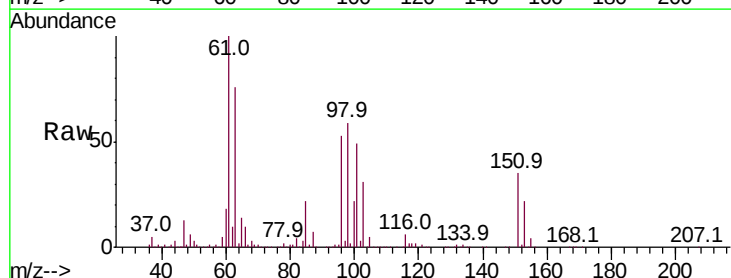
Tgt Ion: 96 Resp: 124195

Ion Ratio Lower Upper

96 100

61 187.0 129.9 241.3

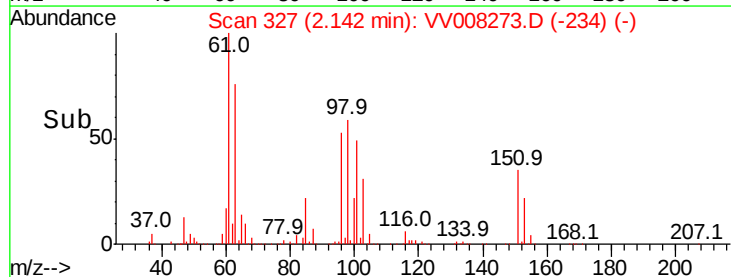
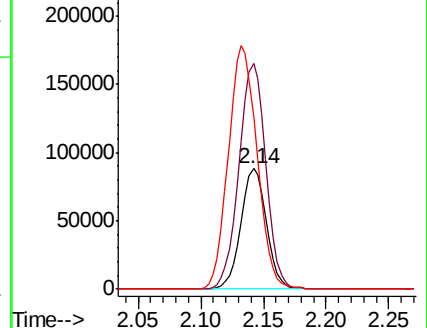
63 142.5 103.0 191.4

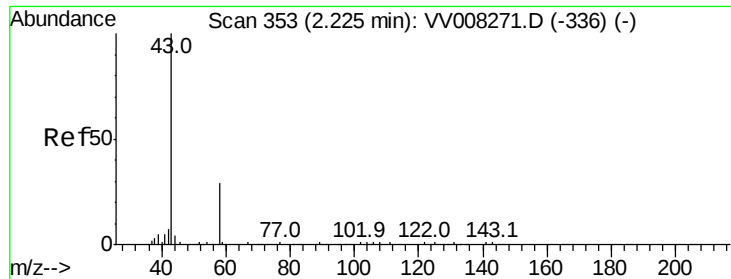


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 191.530 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

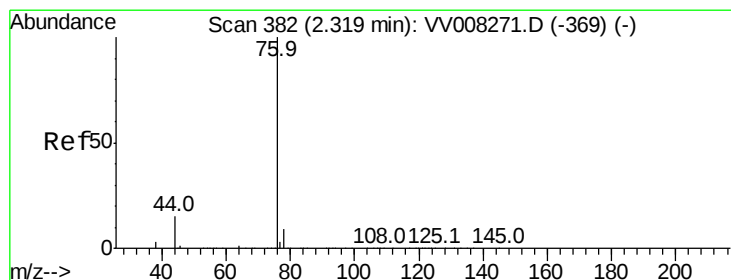
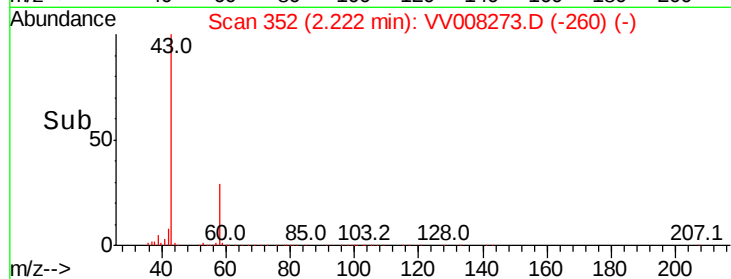
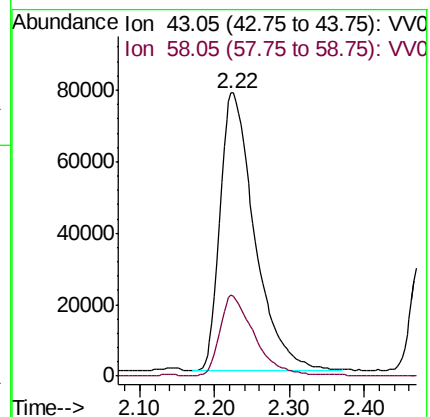
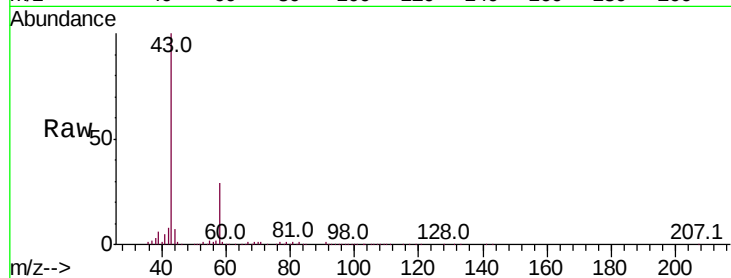
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 251006

Ion Ratio Lower Upper

43 100

58 28.3 0.0 62.0



#14

Carbon disulfide

Concen: 22.924 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008273.D

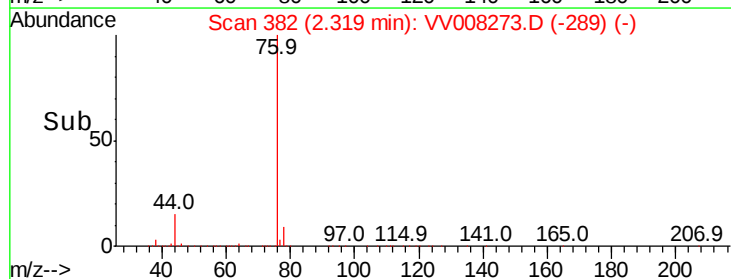
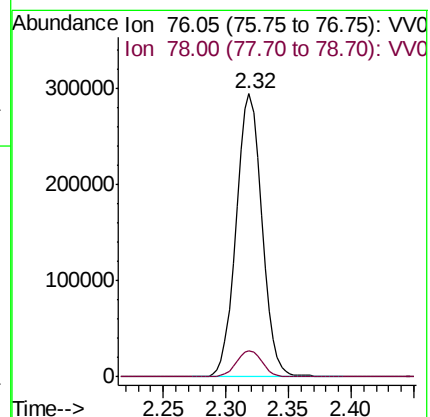
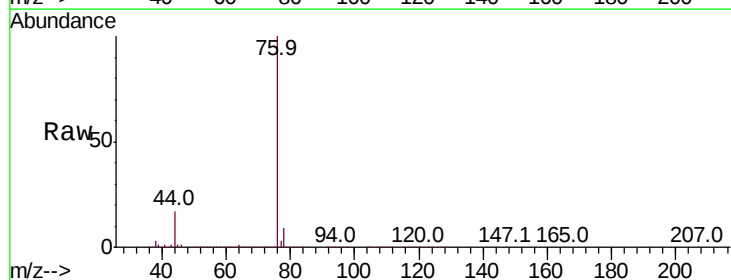
Acq: 15 Oct 2018 12:54

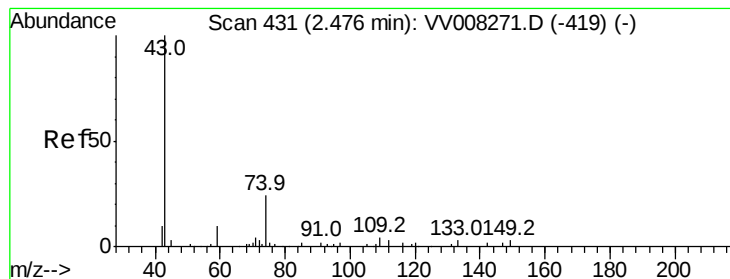
Tgt Ion: 76 Resp: 422028

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 18.768 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

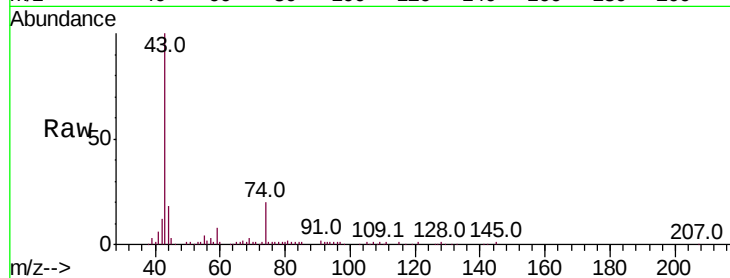
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 57488

Ion Ratio Lower Upper

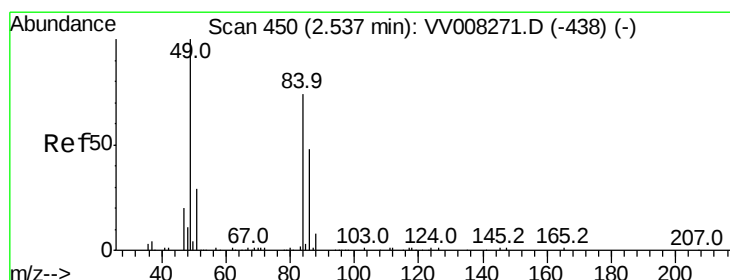
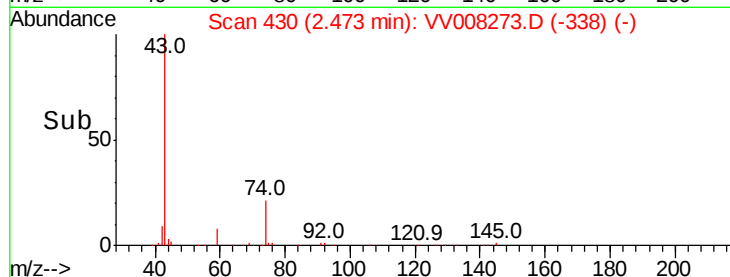
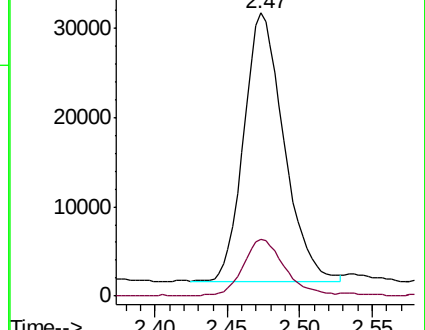
43 100

74 22.4 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VV008273.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VV008273.D (-419) (-)



#16

Methylene chloride

Concen: 15.066 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

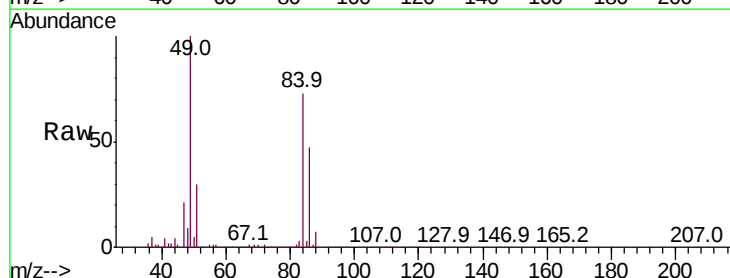
Tgt Ion: 84 Resp: 123725

Ion Ratio Lower Upper

84 100

86 64.2 45.0 83.6

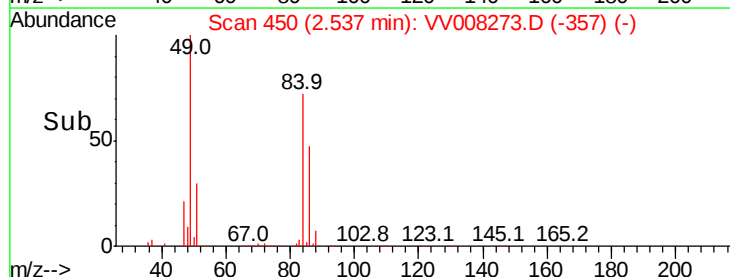
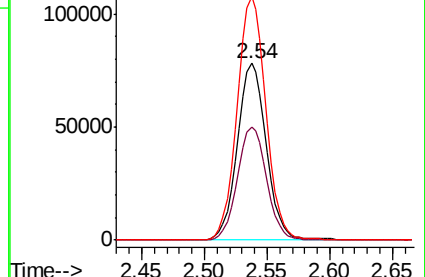
49 137.6 92.9 172.5

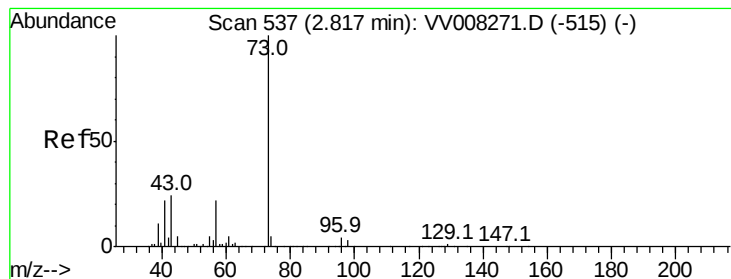


Abundance Ion 84.05 (83.75 to 84.75): VV008273.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV008273.D (-438) (-)

Ion 49.10 (48.80 to 49.80): VV008273.D (-438) (-)



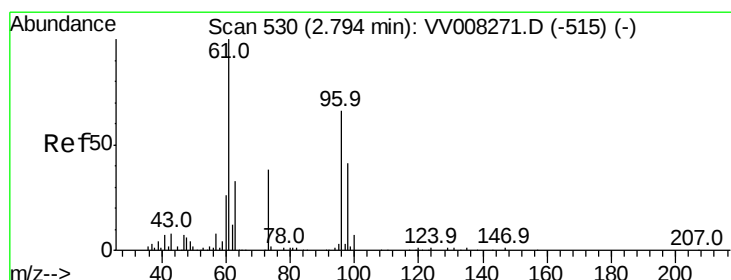
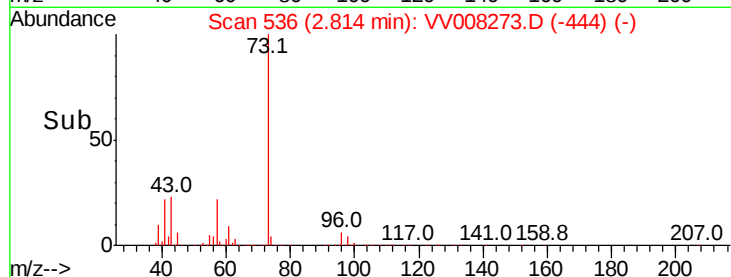
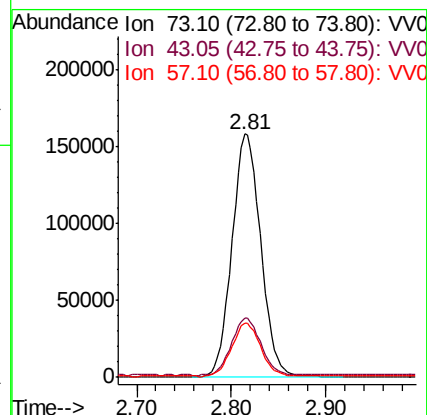
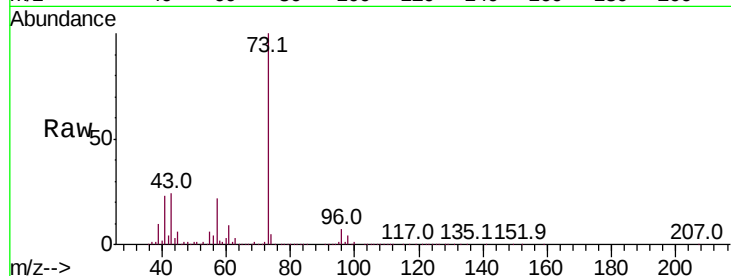


#17

Methvl tert-butvl Ether
 Concen: 19.047 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Instrument :
 MSVOA_V
 ClientSampleId :

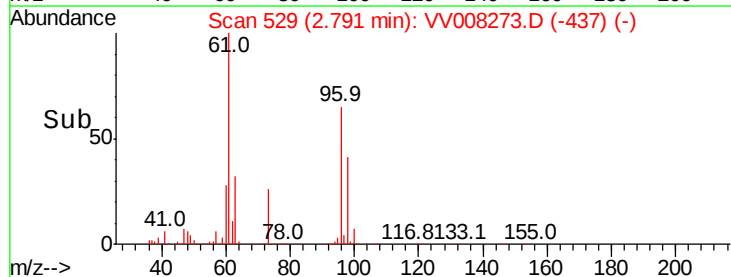
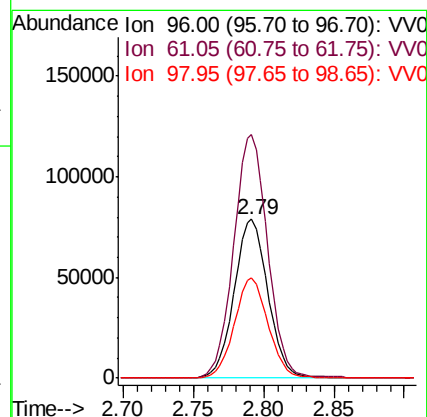
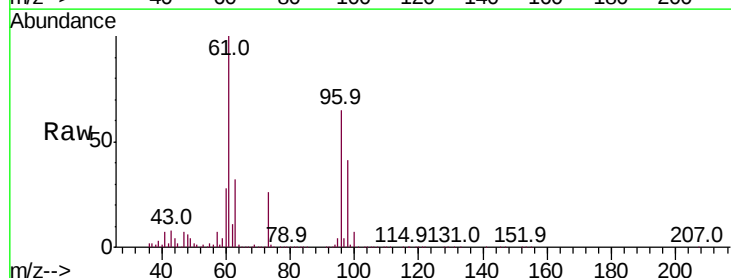
Tot Ion: 73 Resp: 334413
 Ion Ratio Lower Upper
 73 100
 43 23.5 19.0 28.6
 57 21.9 18.2 27.2

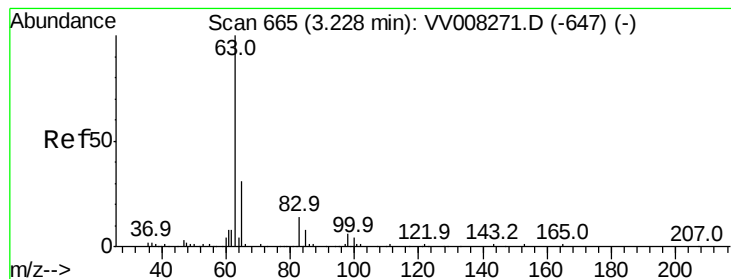


#18

trans-1,2-Dichloroethene
 Concen: 17.653 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Tgt Ion: 96 Resp: 130891
 Ion Ratio Lower Upper
 96 100
 61 153.3 104.6 194.2
 98 62.8 44.1 81.9





#19

1,1-Dichloroethane

Concen: 21.333 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :

MSVOA_V

ClientSampleId :

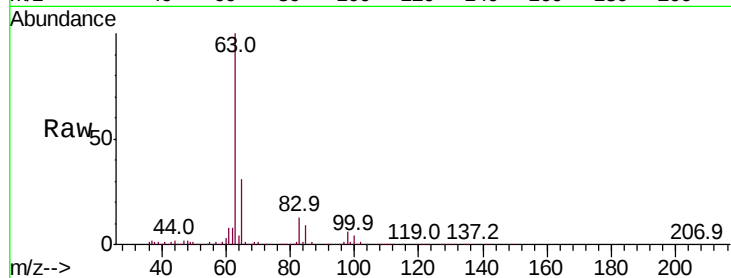
Tot Ion: 63 Resp: 303022

Ion Ratio Lower Upper

63 100

65 31.2 22.6 42.0

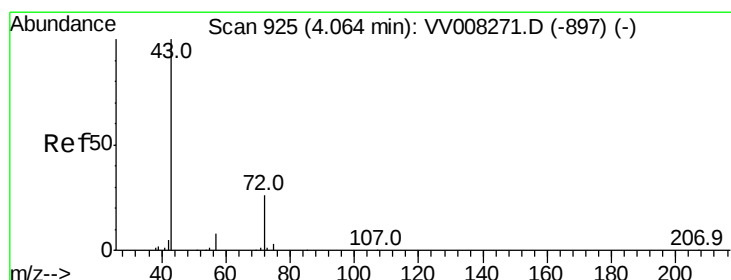
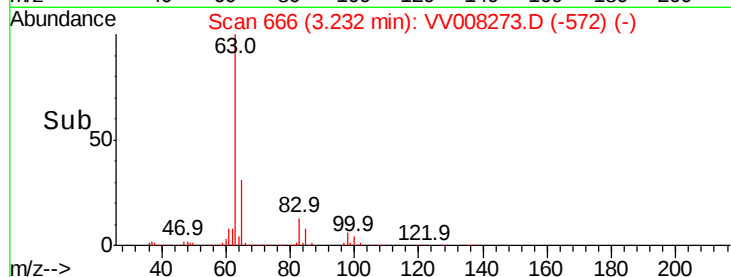
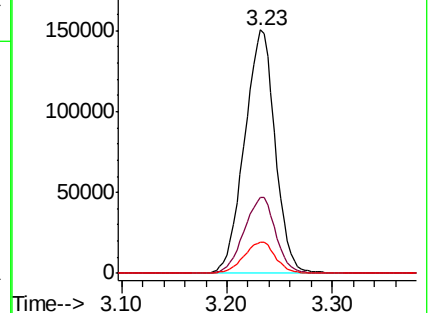
83 13.0 11.0 20.4



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 242.350 ug/L

RT: 4.06 min Scan# 923

Delta R.T. -0.01 min

Lab File: VV008273.D

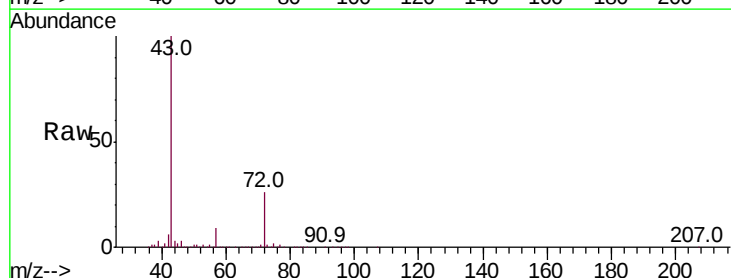
Acq: 15 Oct 2018 12:54

Tgt Ion: 43 Resp: 547588

Ion Ratio Lower Upper

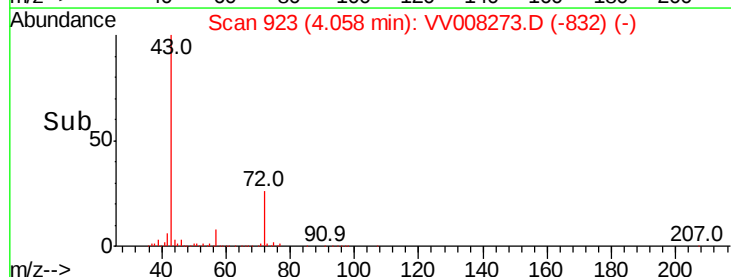
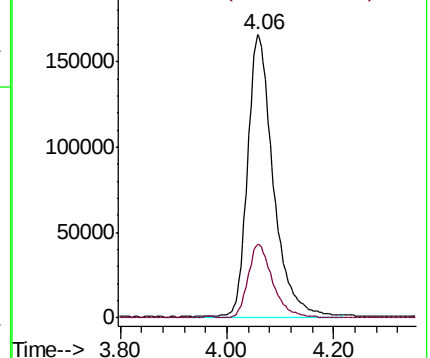
43 100

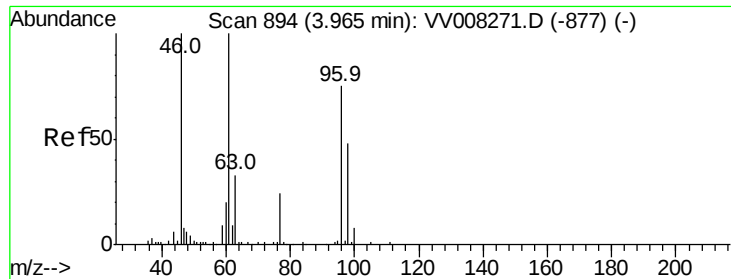
72 25.0 12.9 38.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



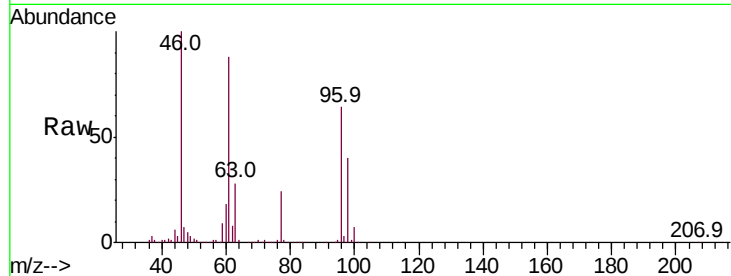


#22

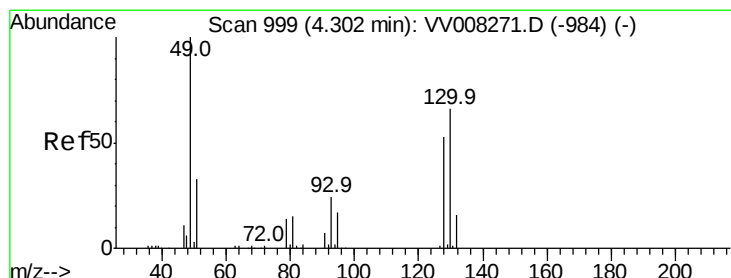
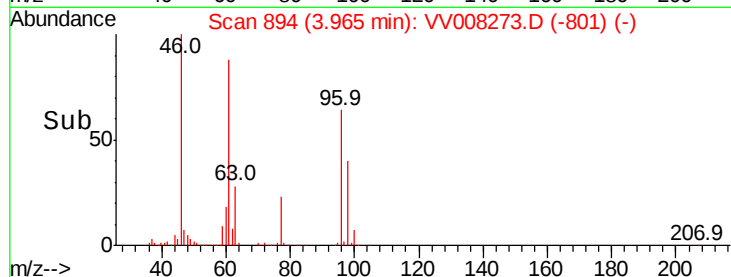
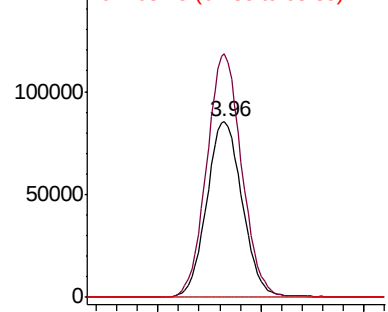
cis-1,2-Dichloroethene
 Concen: 22.806 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 204098
 Ion Ratio Lower Upper
 96 100
 61 138.7 93.7 174.1
 68 0.1 0.6 1.2#



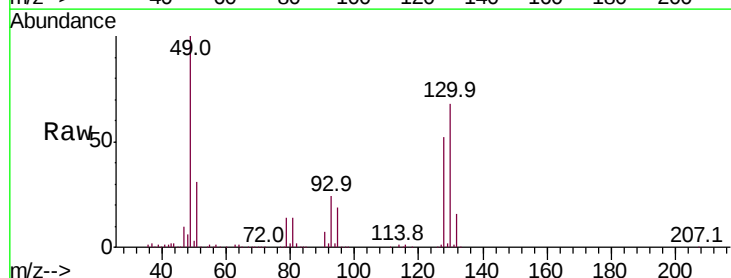
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



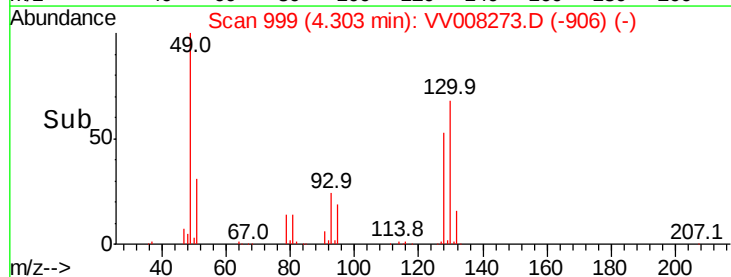
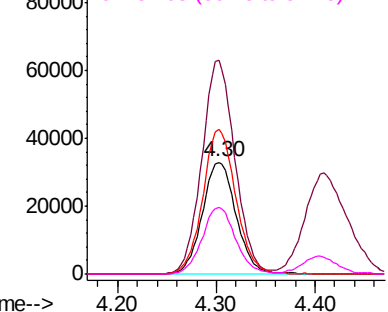
#23

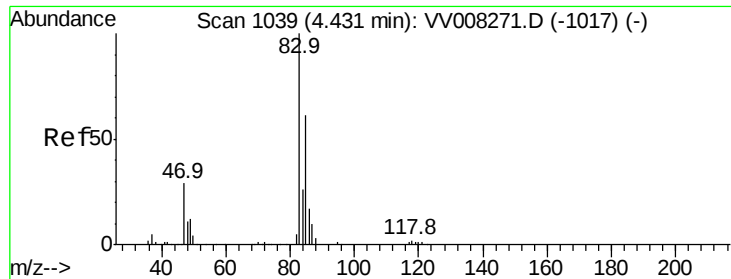
Bromochloromethane
 Concen: 20.128 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Tgt Ion: 128 Resp: 78514
 Ion Ratio Lower Upper
 128 100
 49 190.9 131.3 243.9
 130 129.5 86.0 159.8
 51 60.0 50.9 76.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 21.039 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

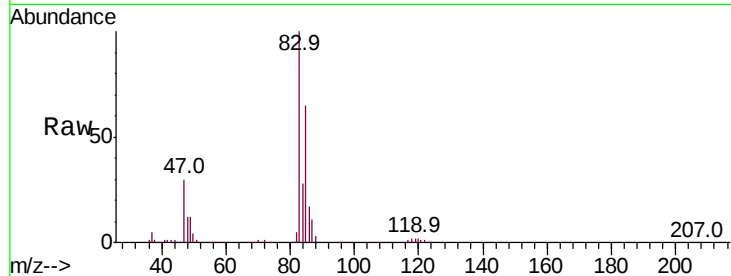
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 334636

Ion Ratio Lower Upper

83 100

85 65.4 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VV008273.D (-946) (-)

Ion 85.00 (84.70 to 85.70): VV008273.D (-946) (-)

4.43

150000

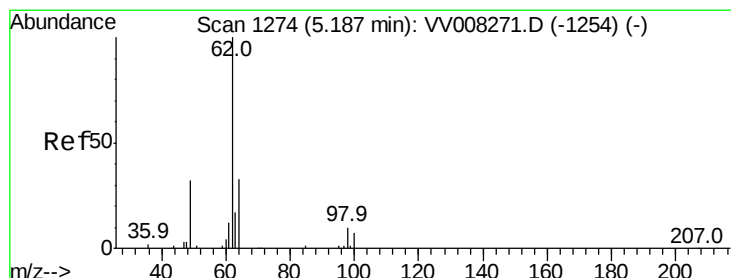
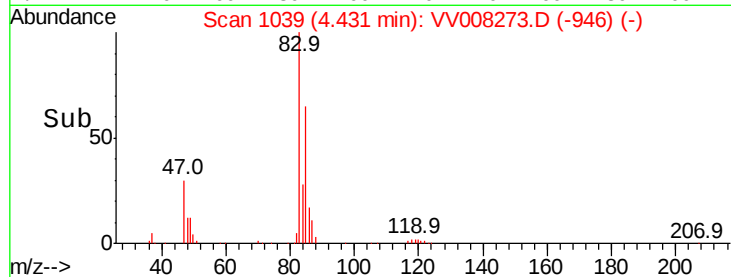
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#27

1,2-Dichloroethane

Concen: 21.963 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VV008273.D

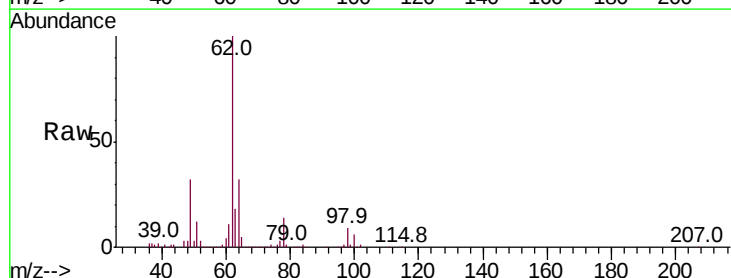
Acq: 15 Oct 2018 12:54

Tgt Ion: 62 Resp: 205538

Ion Ratio Lower Upper

62 100

98 9.0 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV008273.D (-1181) (-)

Ion 98.05 (97.75 to 98.75): VV008273.D (-1181) (-)

5.19

100000

80000

60000

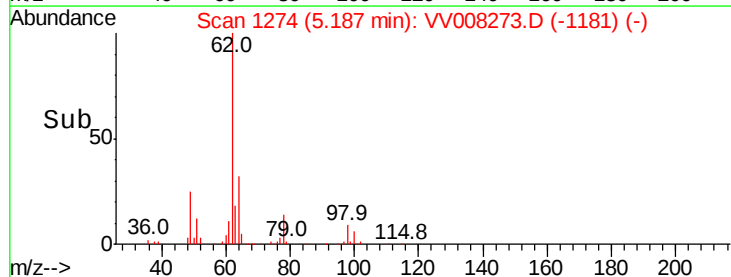
40000

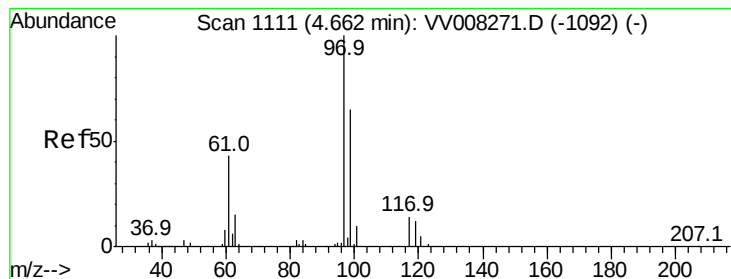
20000

0

5.10 5.20 5.30

Time-->





#29

1,1,1-Trichloroethane

Concen: 22.045 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :

MSVOA_V

ClientSampleId :

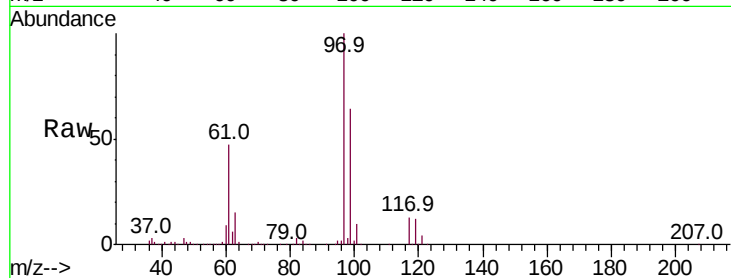
Tot Ion: 97 Resp: 291054

Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

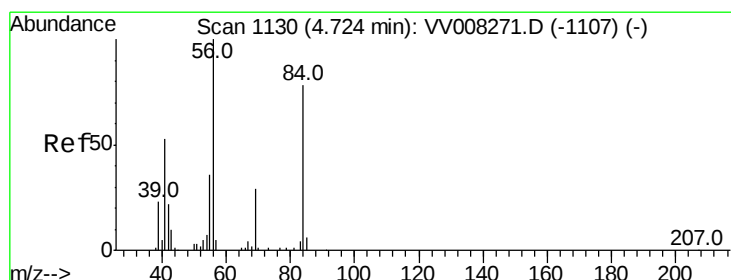
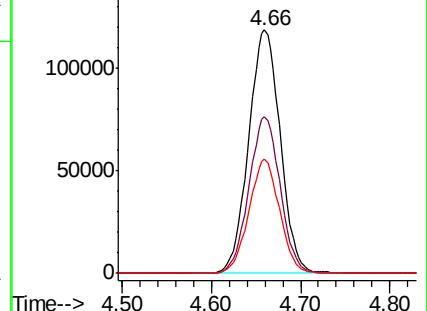
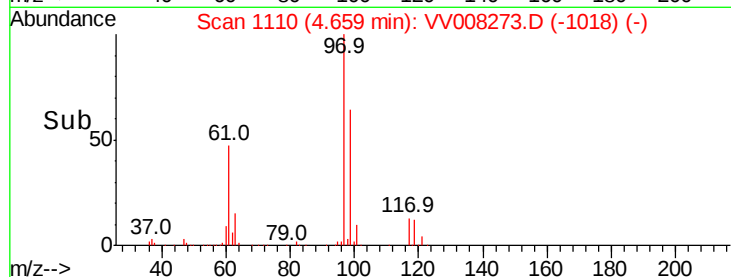
61 45.7 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VV008273.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV008273.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV008273.D (-1092) (-)



#30

Cyclohexane

Concen: 30.459 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

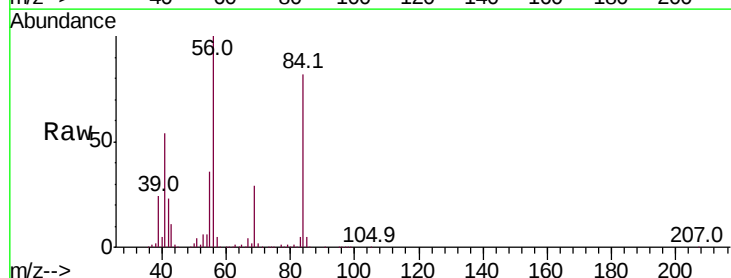
Tgt Ion: 56 Resp: 374350

Ion Ratio Lower Upper

56 100

69 30.0 24.3 36.5

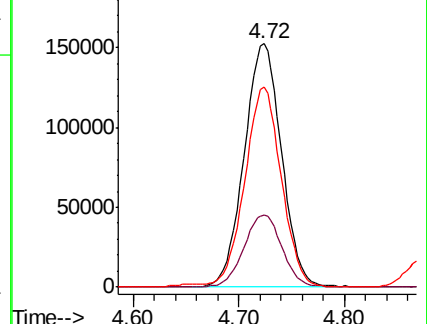
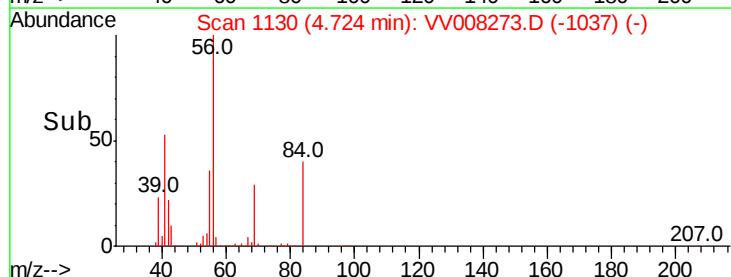
84 82.0 64.1 96.1

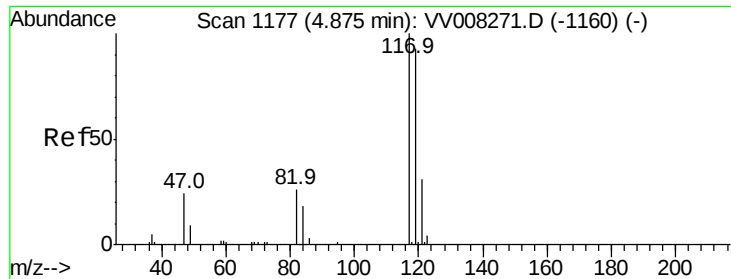


Abundance Ion 56.10 (55.80 to 56.80): VV008273.D (-1107) (-)

Ion 69.15 (68.85 to 69.85): VV008273.D (-1107) (-)

Ion 84.15 (83.85 to 84.85): VV008273.D (-1107) (-)

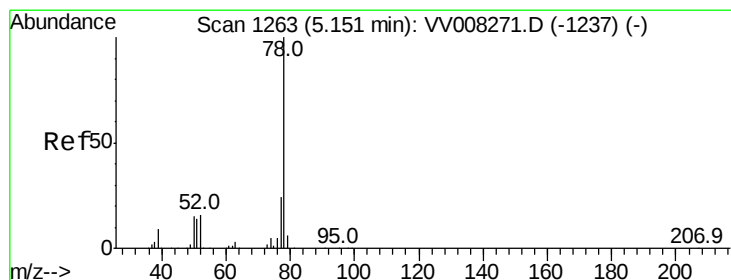
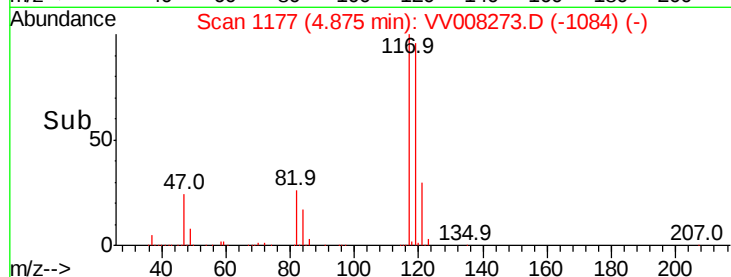
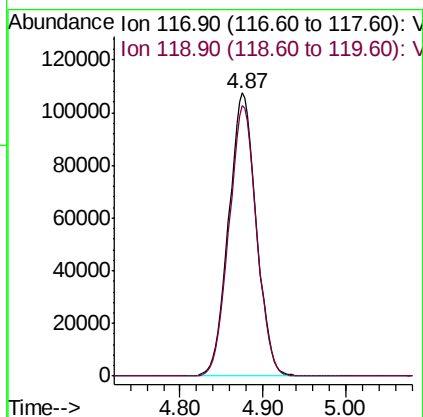
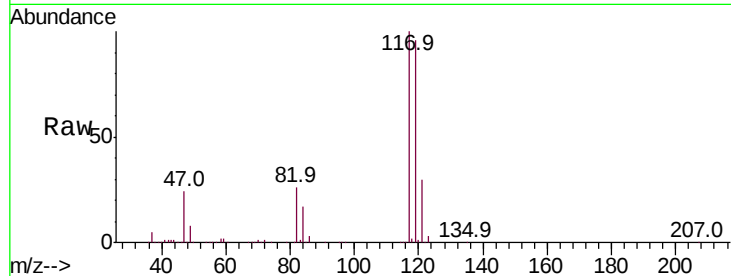




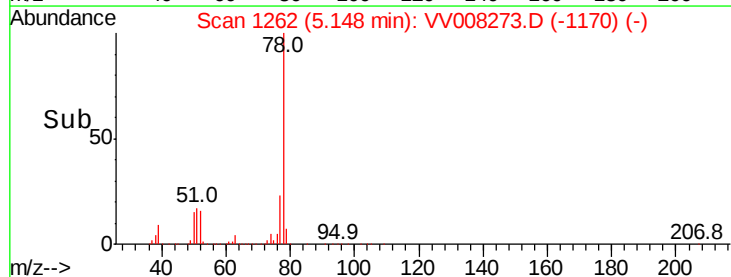
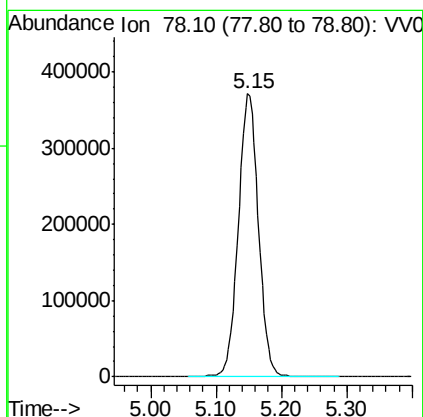
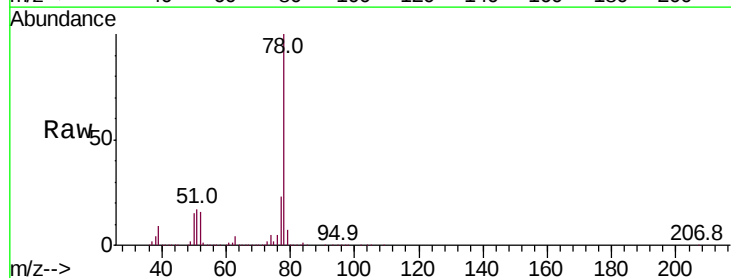
#31
Carbon tetrachloride
Concen: 21.202 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

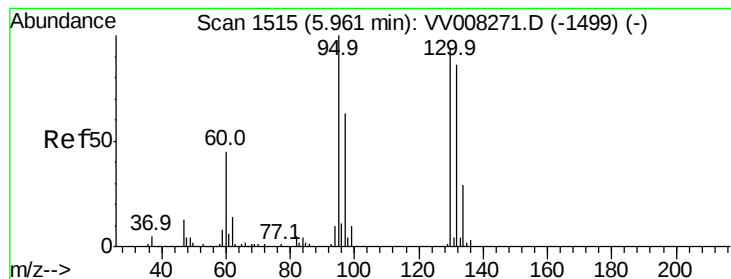
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 248800
Ion Ratio Lower Upper
117 100
119 95.8 75.5 113.3



#33
Benzene
Concen: 25.391 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54
Tgt Ion: 78 Resp: 795751





#34

Trichloroethene

Concen: 23.104 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 210493

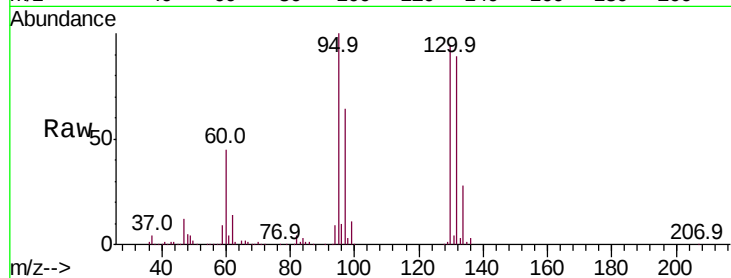
Ion Ratio Lower Upper

95 100

97 64.0 44.4 82.4

132 89.2 60.4 112.2

130 93.8 65.5 121.7

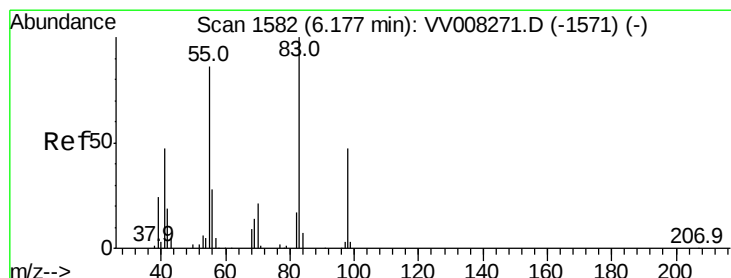
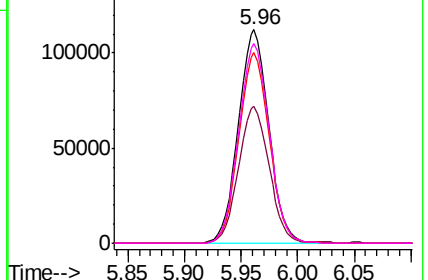
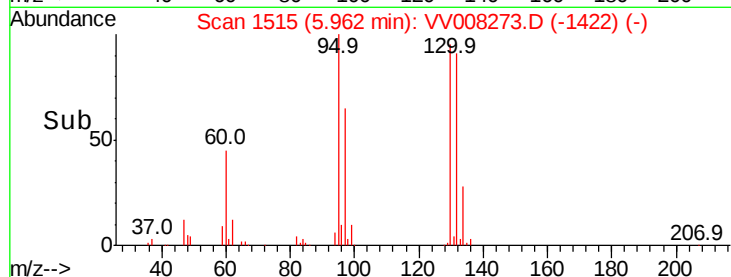


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 28.670 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

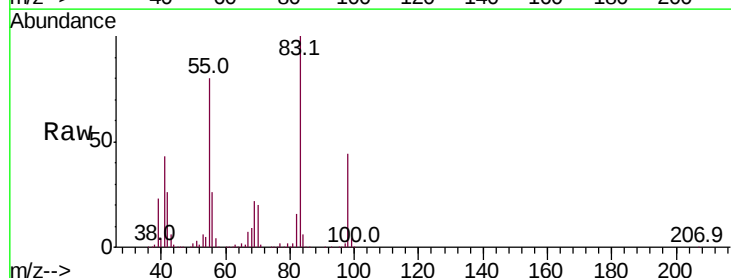
Tgt Ion: 83 Resp: 380290

Ion Ratio Lower Upper

83 100

55 80.6 64.0 96.0

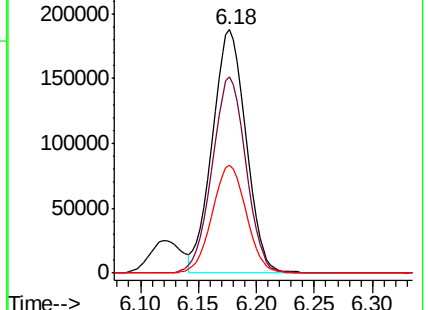
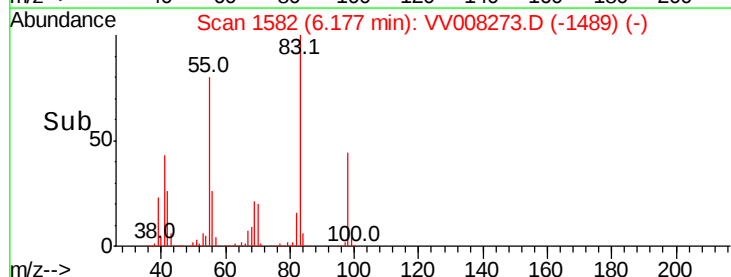
98 45.3 37.0 55.4

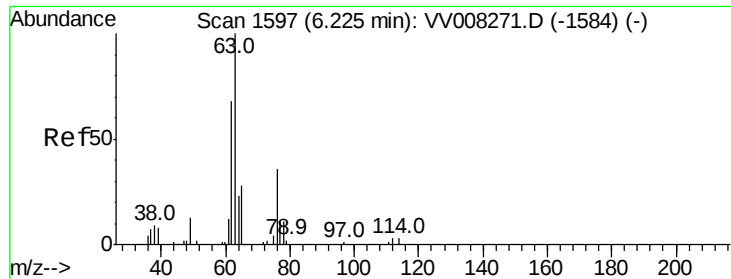


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

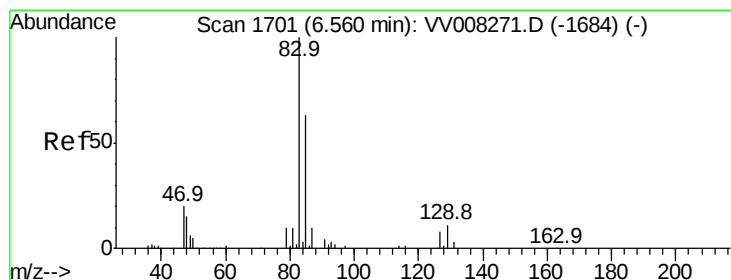
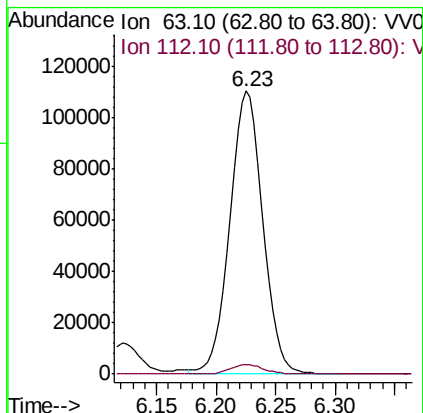
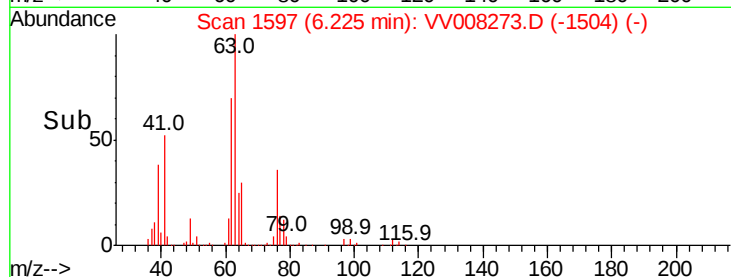
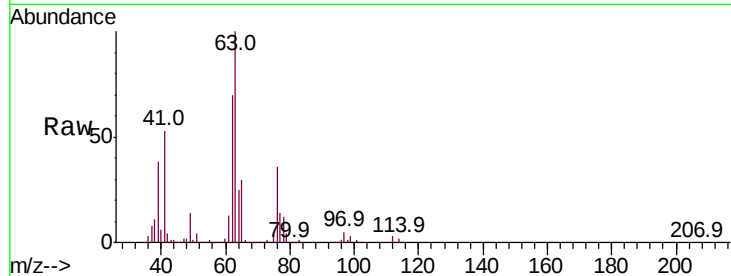




#37
 1,2-Dichloropropane
 Concen: 24.568 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

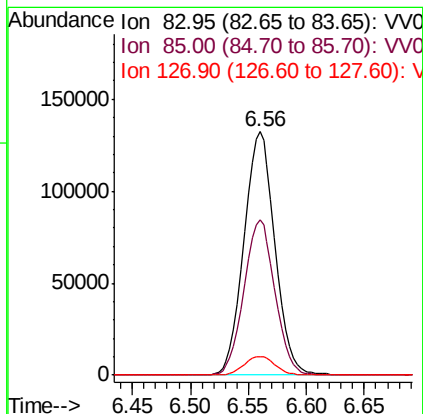
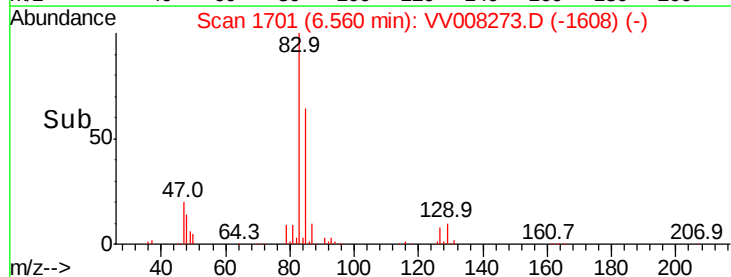
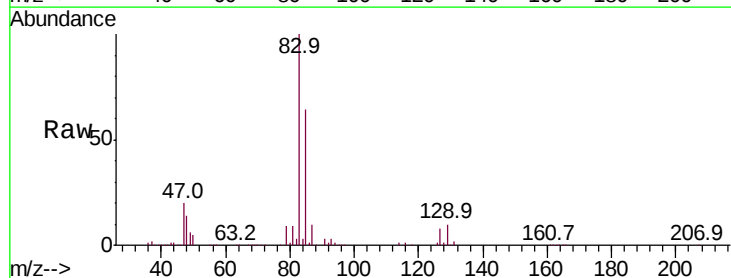
Instrument :
 MSVOA_V
 ClientSampleId :

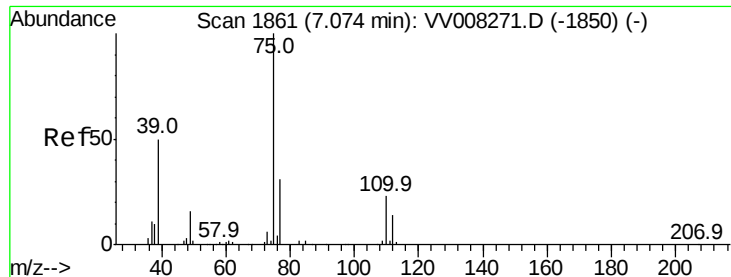
Tot Ion: 63 Resp: 210226
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.6 3.8



#38
 Bromodichloromethane
 Concen: 23.849 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Tgt Ion: 83 Resp: 245119
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.3 82.3
 127 7.7 6.6 10.0

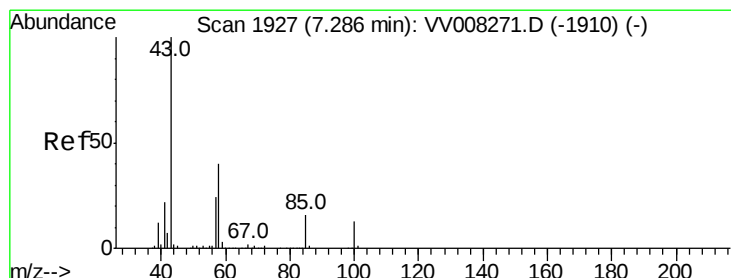
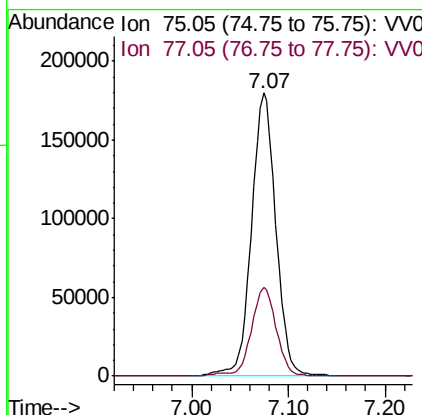
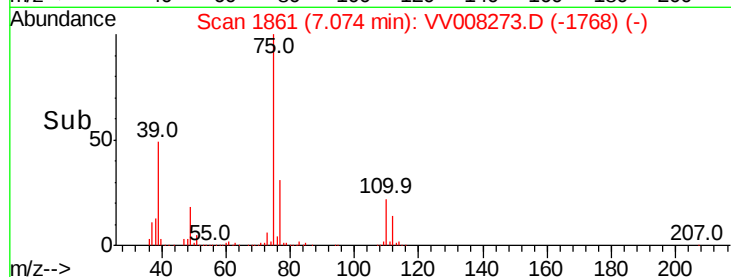
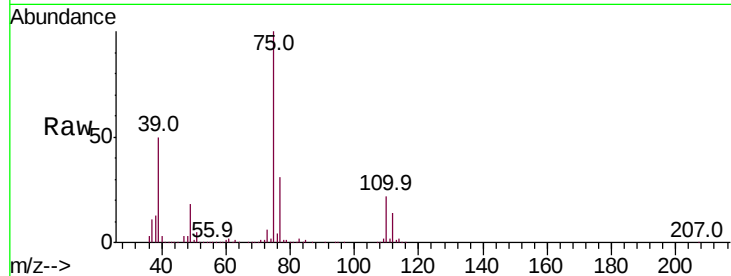




#39
 cis-1,3-Dichloropropene
 Concen: 28.173 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

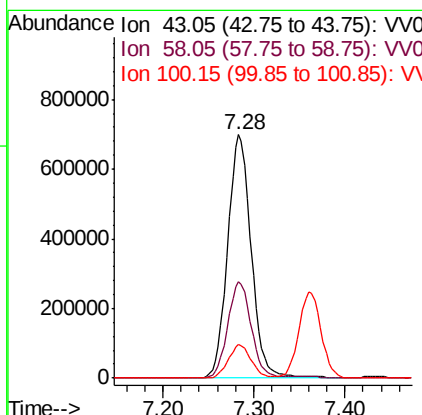
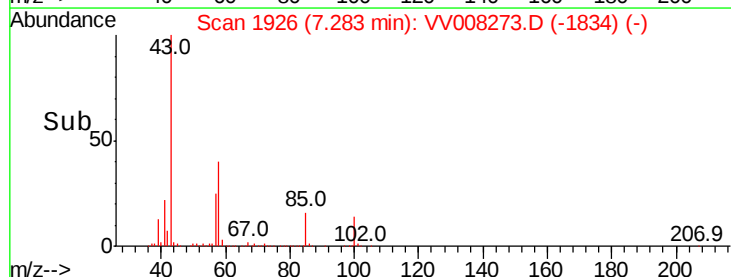
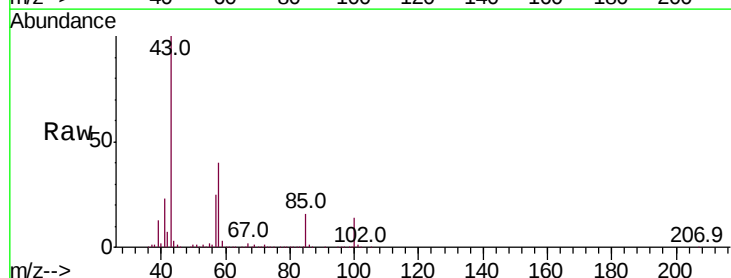
Instrument :
 MSVOA_V
 ClientSampleId :

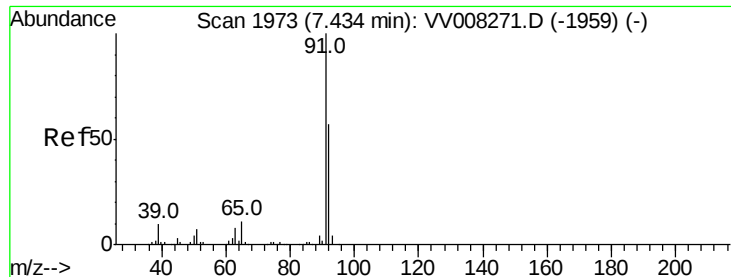
Tot Ion: 75 Resp: 314935
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 252.167 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Tgt Ion: 43 Resp: 1251208
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.3 46.9
 100 13.4 10.5 15.7





#42

Toluene

Concen: 25.377 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

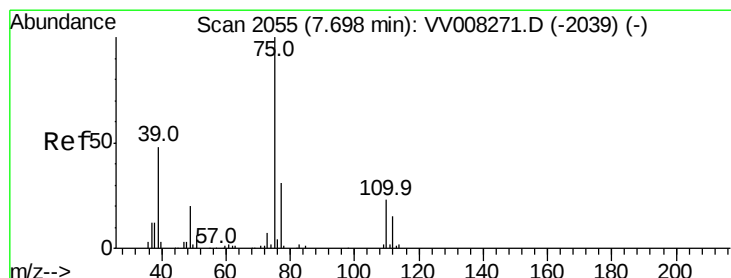
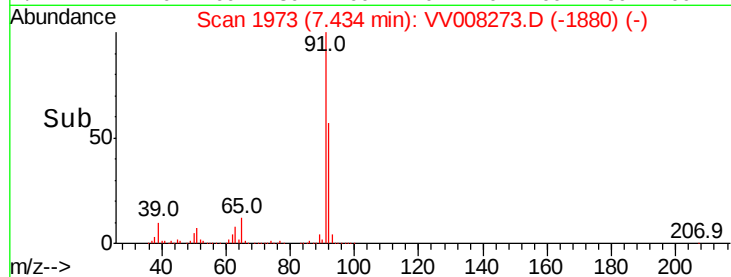
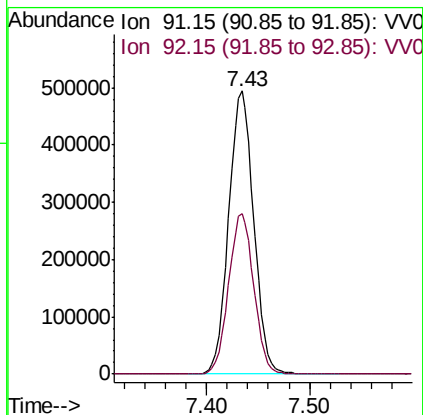
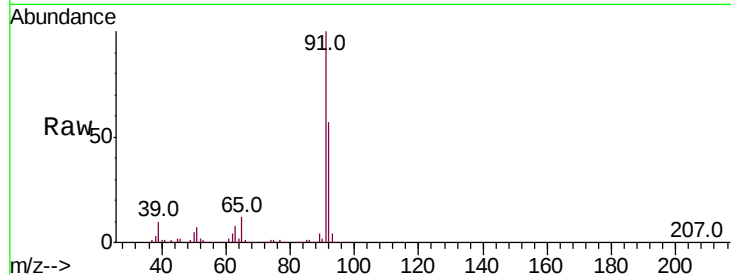
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 835220

Ion Ratio Lower Upper

91 100

92 56.9 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 27.859 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008273.D

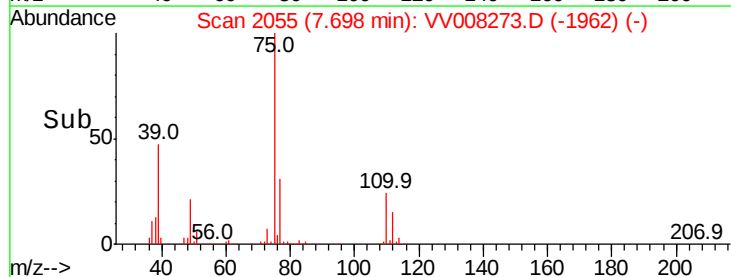
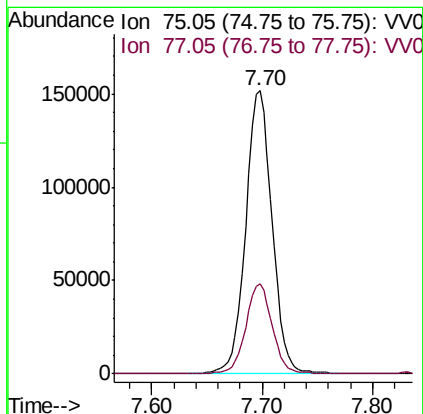
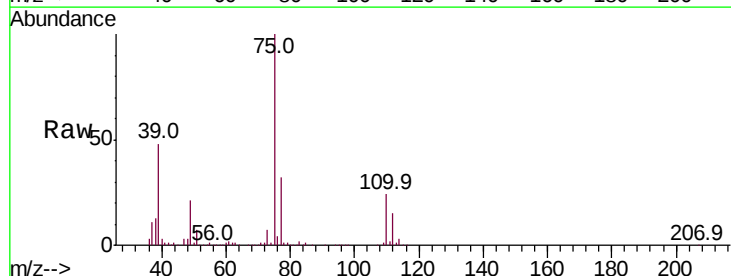
Acq: 15 Oct 2018 12:54

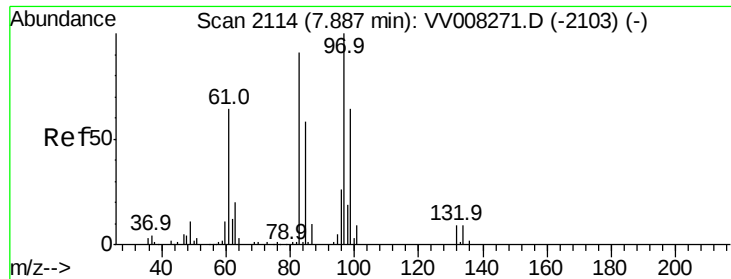
Tgt Ion: 75 Resp: 251379

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5

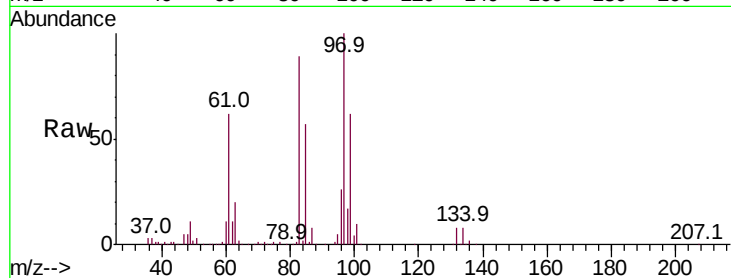




#45
1,1,2-Trichloroethane
Concen: 22.665 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	131065
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.1	81.9
83	89.2	63.7	118.3
85	57.2	40.7	75.7



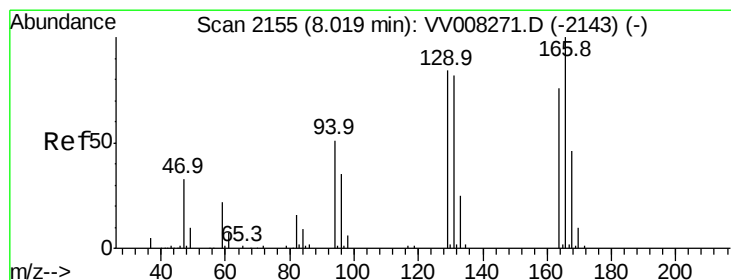
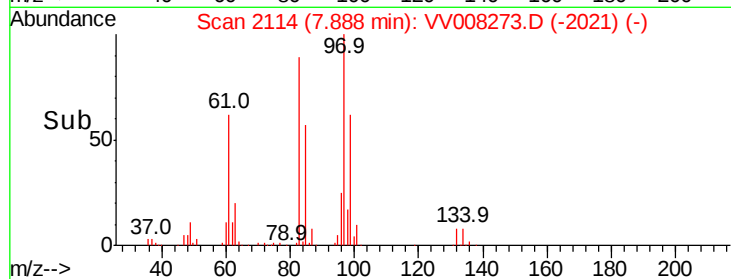
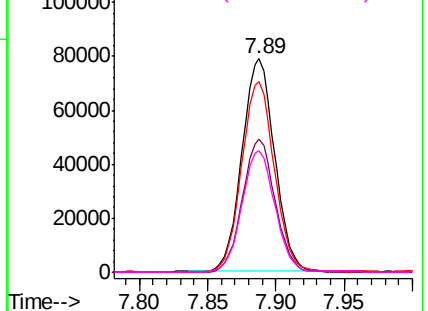
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

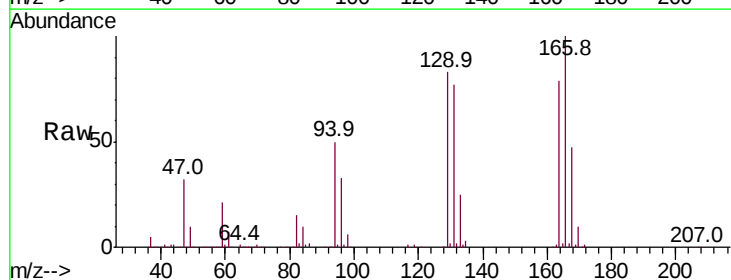
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 18.762 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

Tgt Ion:	164	Resp:	140928
Ion	Ratio	Lower	Upper
164	100		
129	104.9	76.5	142.1
131	98.4	74.7	138.7
166	127.1	91.6	170.0



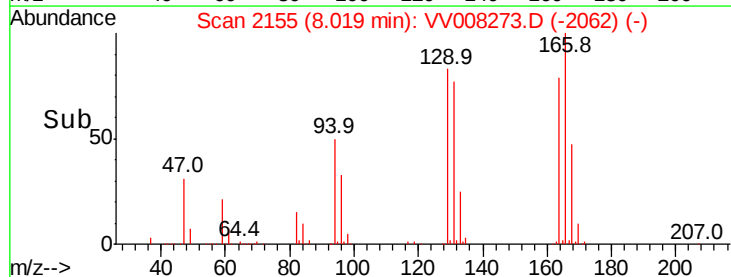
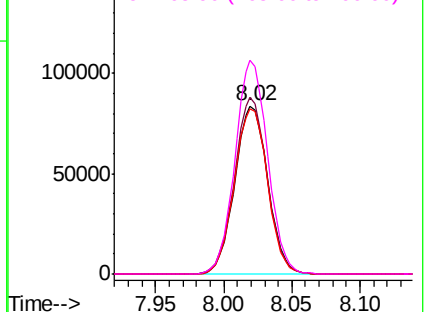
Abundance

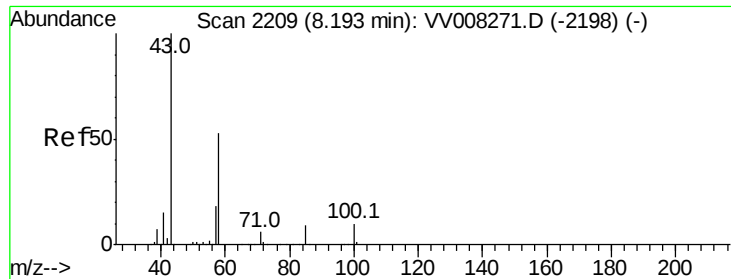
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

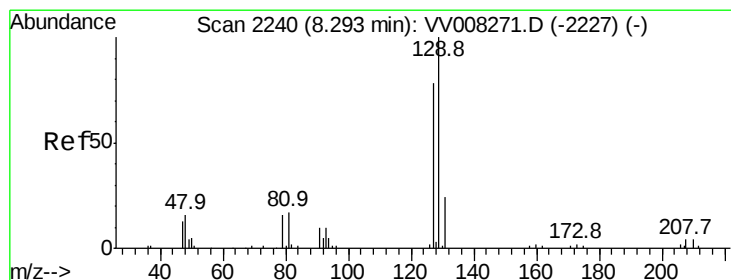
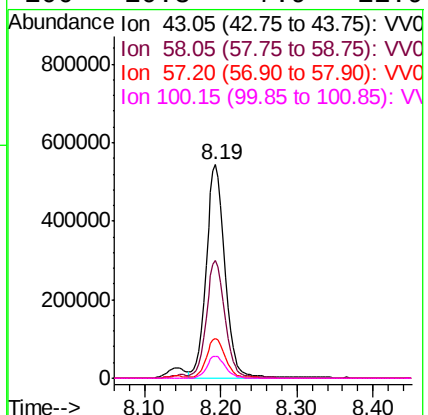
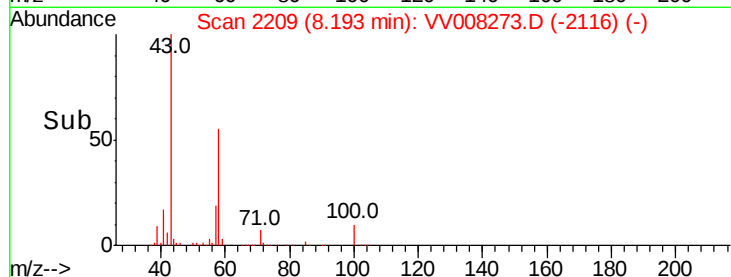
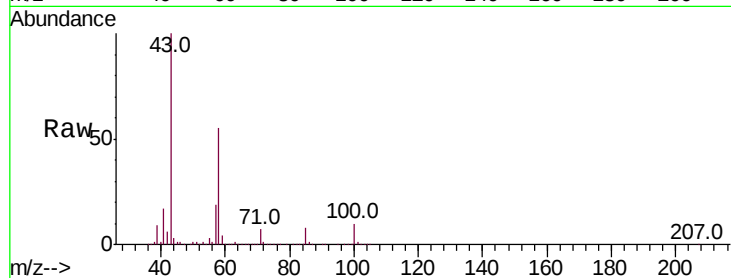




#48
2-Hexanone
Concen: 270.648 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

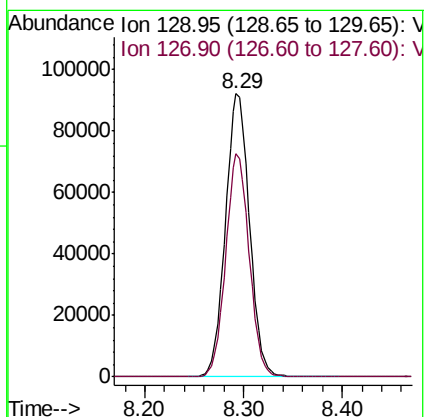
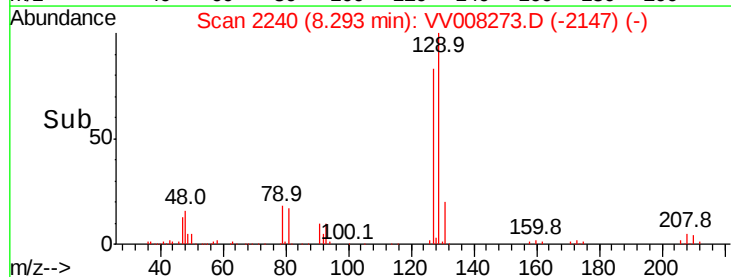
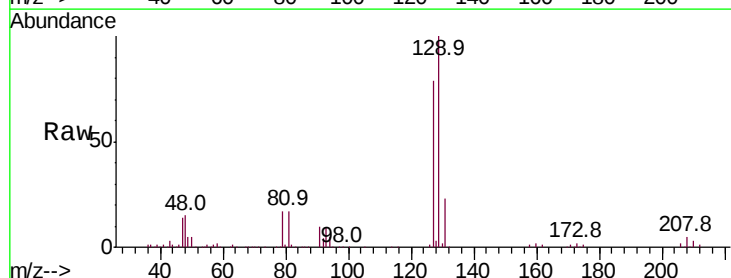
Instrument :
MSVOA_V
ClientSampleId :

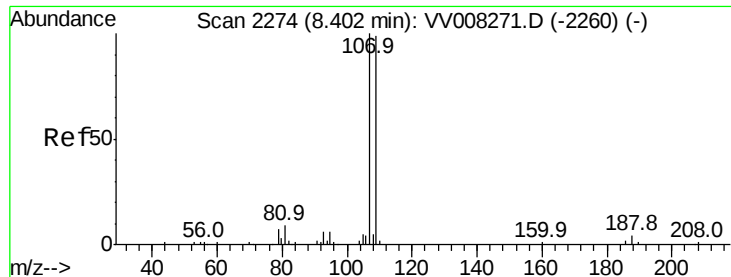
Tot Ion: 43 Resp: 929958
Ion Ratio Lower Upper
43 100
58 54.4 45.0 67.4
57 18.4 14.4 21.6
100 10.3 7.9 11.9



#49
Dibromochloromethane
Concen: 22.186 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

Tgt Ion: 129 Resp: 157652
Ion Ratio Lower Upper
129 100
127 78.7 54.7 101.7





#50

1,2-Dibromoethane

Concen: 23.529 ug/L

RT: 8.40 min Scan# 2273

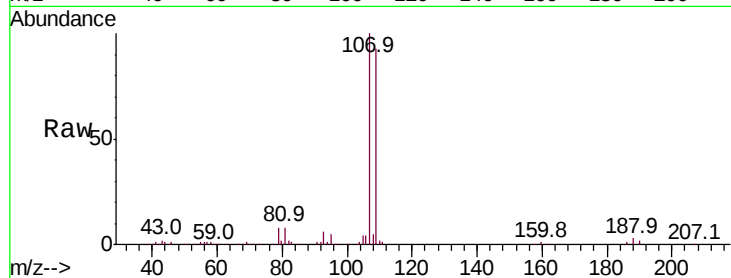
Delta R.T. -0.00 min

Lab File: VV008273.D

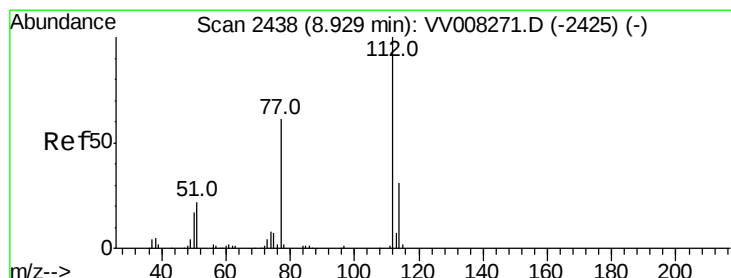
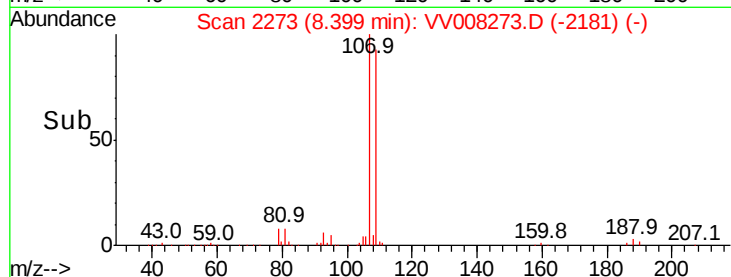
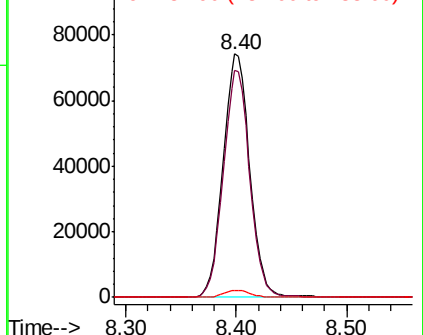
Acq: 15 Oct 2018 12:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	124365
Ion	Ratio	Lower	Upper
107	100		
109	93.1	69.6	129.2
188	2.8	2.9	4.3#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 22.733 ug/L

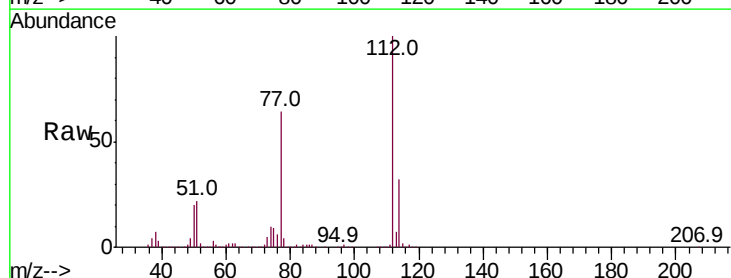
RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

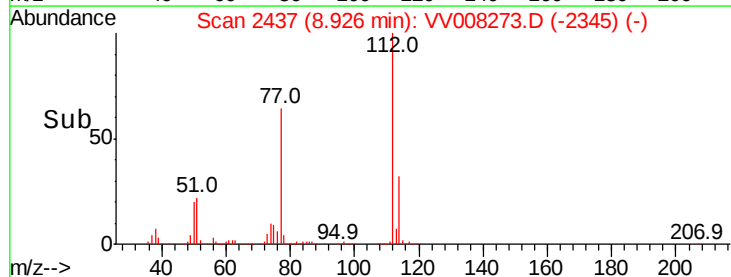
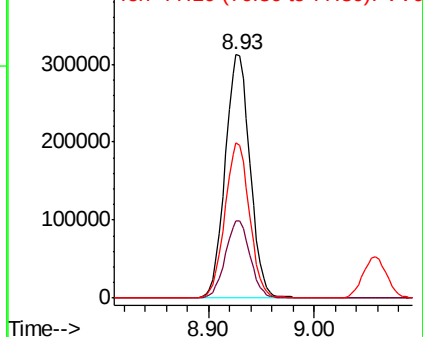
Lab File: VV008273.D

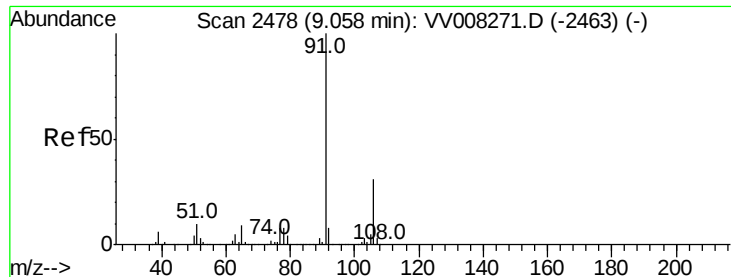
Acq: 15 Oct 2018 12:54

Tgt Ion:	112	Resp:	507960
Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.6	40.0
77	63.8	49.7	74.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

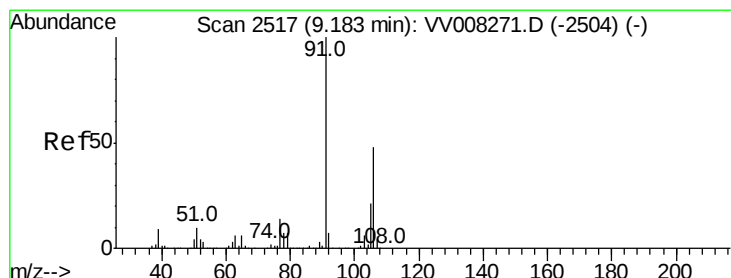
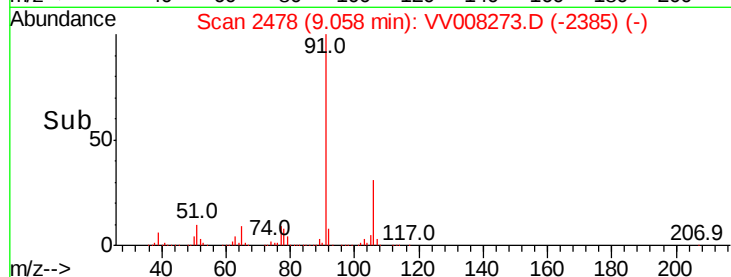
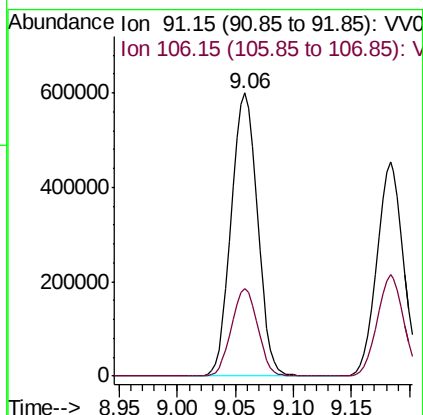
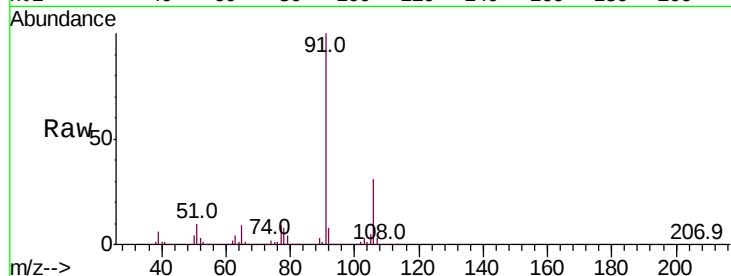




#52
Ethylbenzene
Concen: 26.064 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

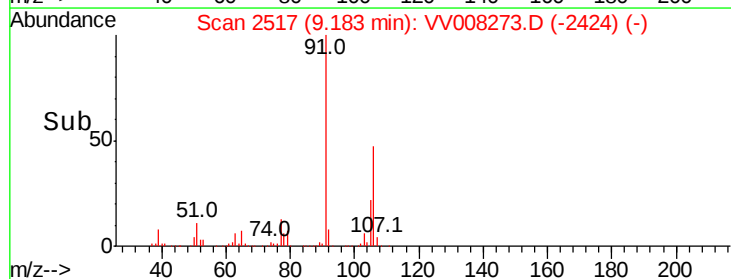
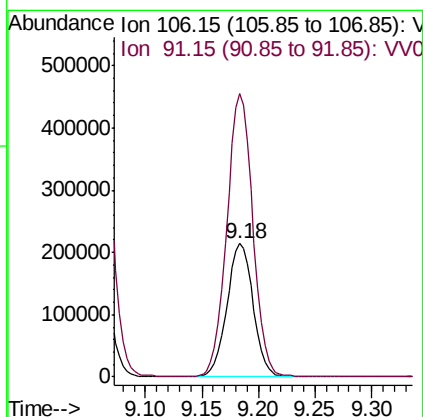
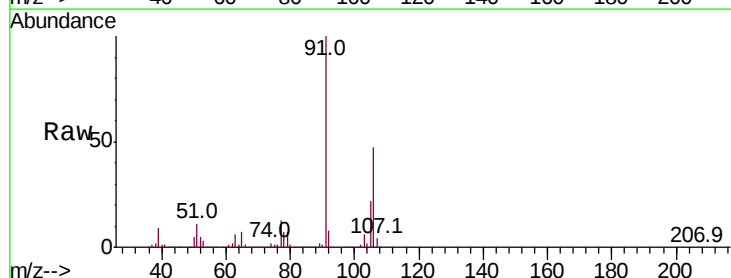
Instrument :
MSVOA_V
ClientSampleId :

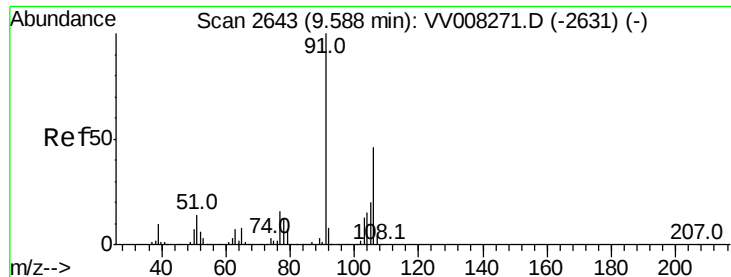
Tot Ion: 91 Resp: 939811
Ion Ratio Lower Upper
91 100
106 31.1 21.6 40.2



#53
m,p-xylene
Concen: 25.341 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008273.D
Acq: 15 Oct 2018 12:54

Tgt Ion: 106 Resp: 343711
Ion Ratio Lower Upper
106 100
91 212.4 145.2 269.6





#54

o-xylene

Concen: 25.758 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

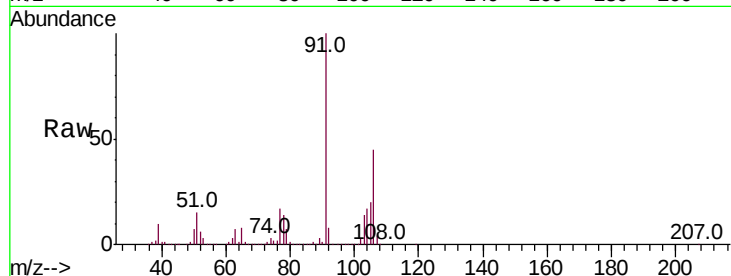
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 335855

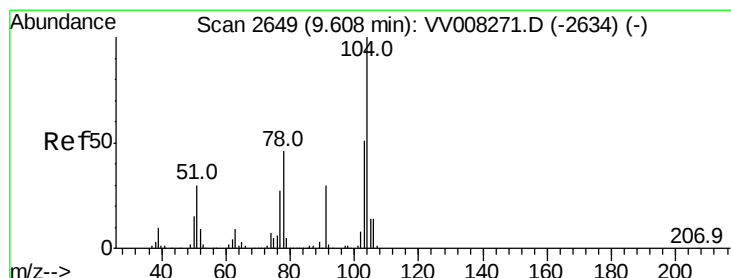
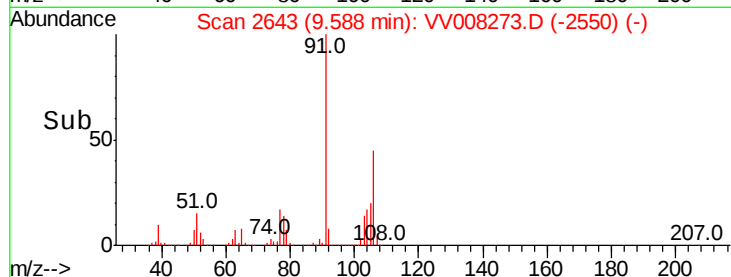
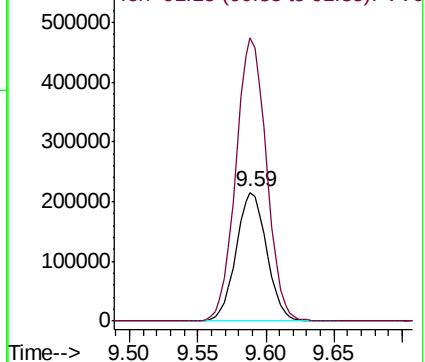
Ion Ratio Lower Upper

106 100

91 220.3 153.2 284.4



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 25.575 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV008273.D

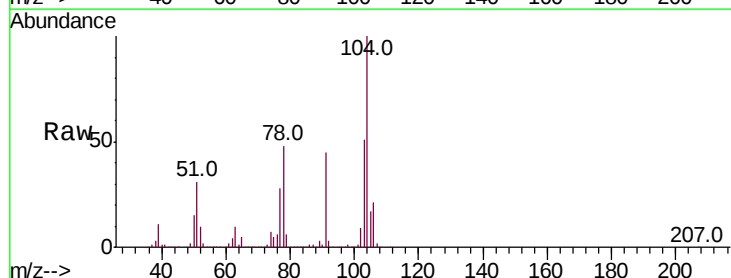
Acq: 15 Oct 2018 12:54

Tgt Ion:104 Resp: 556689

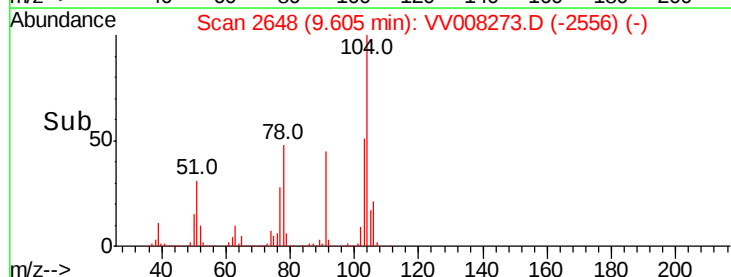
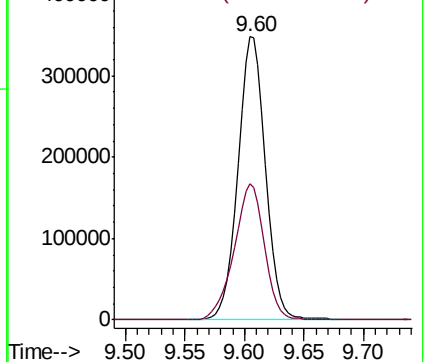
Ion Ratio Lower Upper

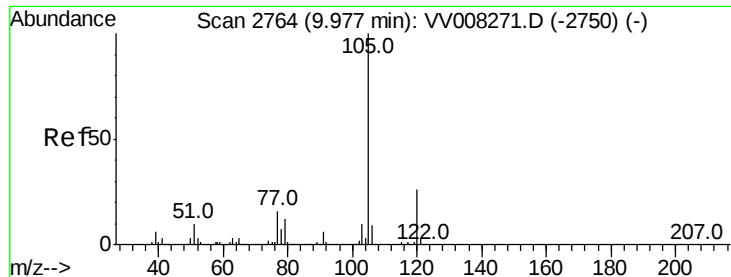
104 100

78 48.2 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 25.477 ug/L

RT: 9.98 min Scan# 2764

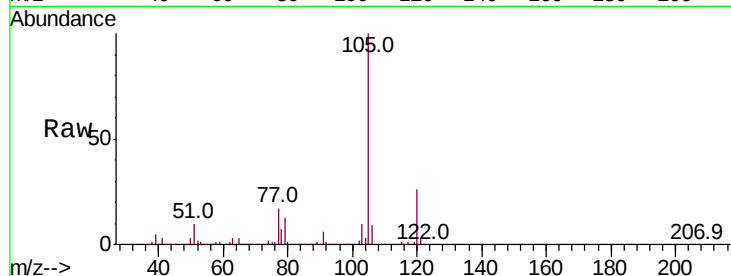
Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :
MSVOA_V
ClientSampleId :

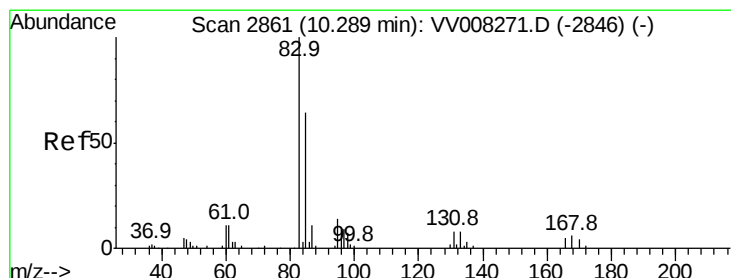
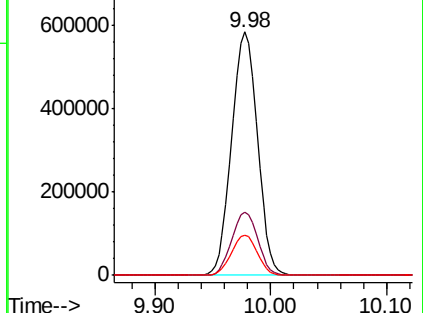
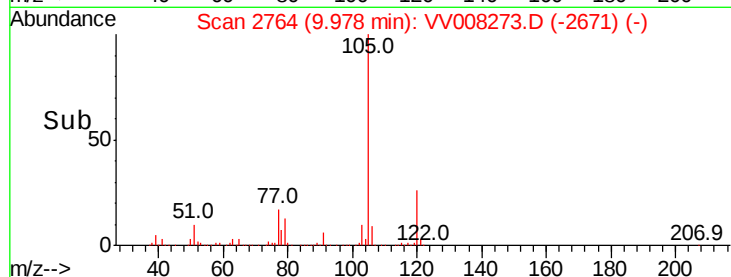
Tot Ion:	105	Resp:	899546
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.2	31.8
77	16.5	13.0	19.6



Abundance Ion 105.05 (104.75 to 105.75): VV008273.D (-2761) (-)

Ion 120.10 (119.80 to 120.80): VV008273.D (-2761) (-)

Ion 77.10 (76.80 to 77.80): VV008273.D (-2761) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 22.976 ug/L

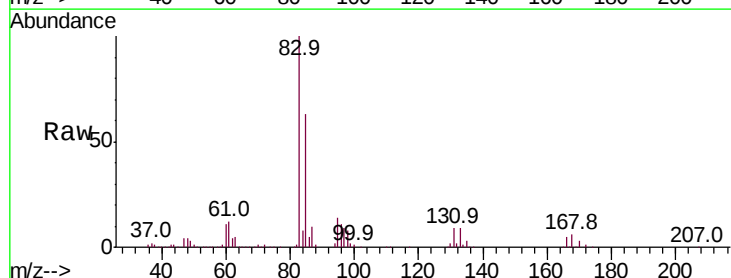
RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

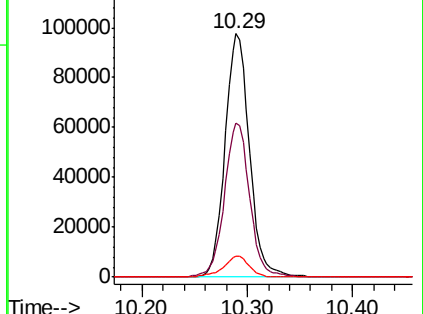
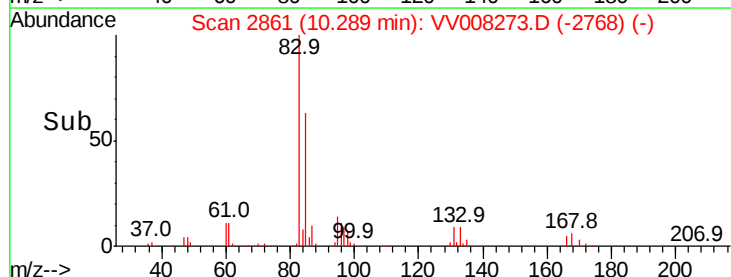
Tgt Ion:	83	Resp:	155142
Ion	Ratio	Lower	Upper
83	100		
85	63.5	45.6	84.6
131	8.6	6.6	10.0

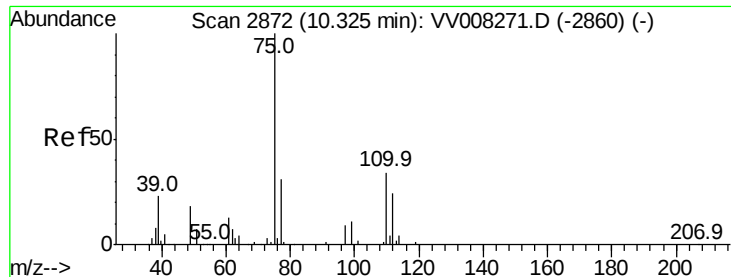


Abundance Ion 82.95 (82.65 to 83.65): VV008273.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008273.D (-2768) (-)

Ion 130.95 (130.65 to 131.65): VV008273.D (-2768) (-)





#59

1,2,3-Trichloropropane

Concen: 24.365 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :

MSVOA_V

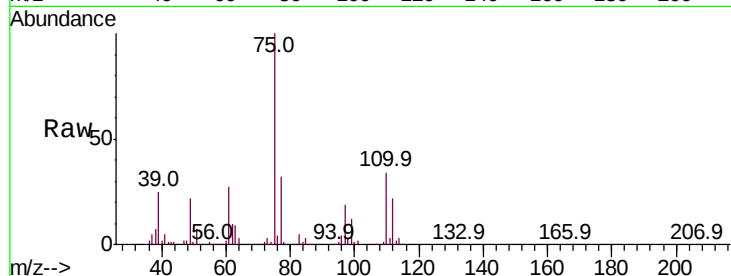
ClientSampleId :

Tot Ion: 75 Resp: 119992

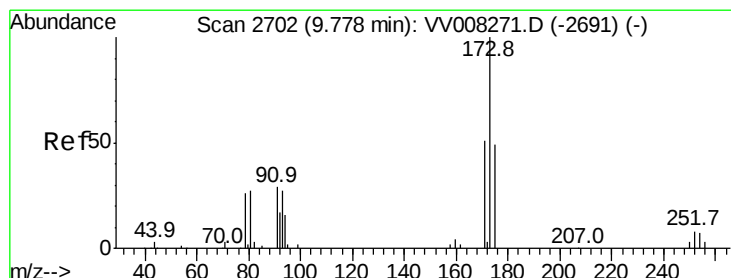
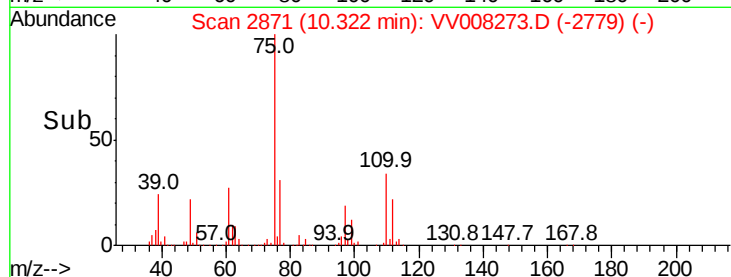
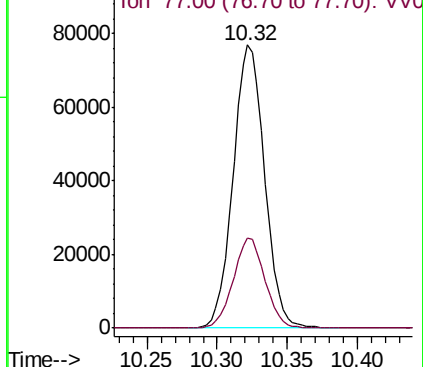
Ion Ratio Lower Upper

75 100

77 31.6 27.0 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV008271.D (-2860) (-)



#61

Bromoform

Concen: 23.792 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

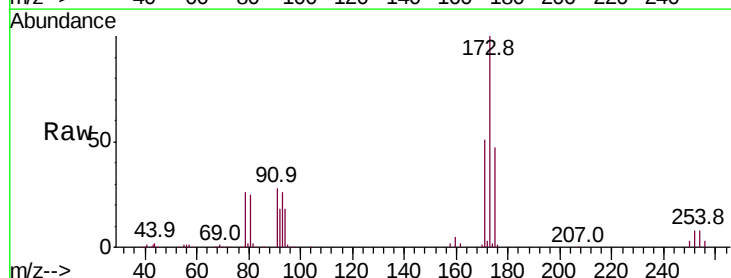
Tgt Ion: 173 Resp: 80109

Ion Ratio Lower Upper

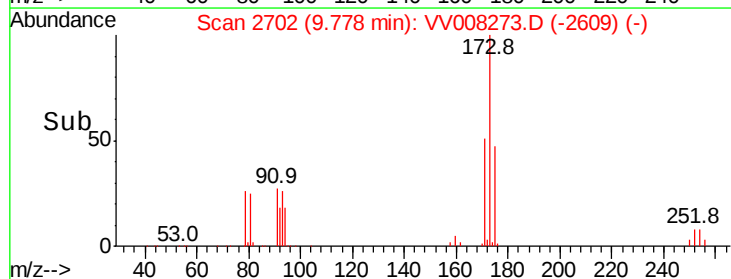
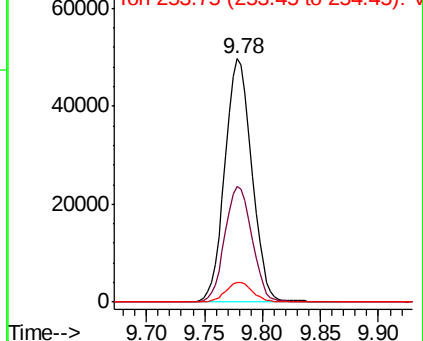
173 100

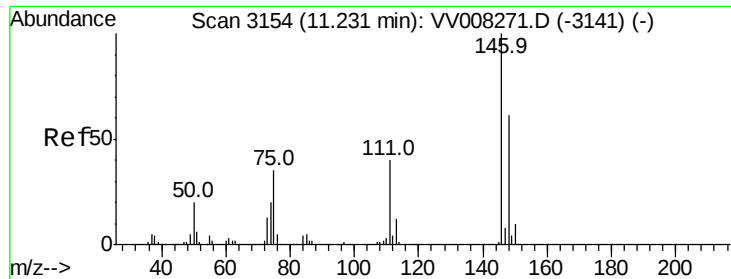
175 47.8 38.7 58.1

254 8.0 5.9 8.9



Abundance Ion 172.90 (172.60 to 173.60): VV008271.D (-2691) (-)

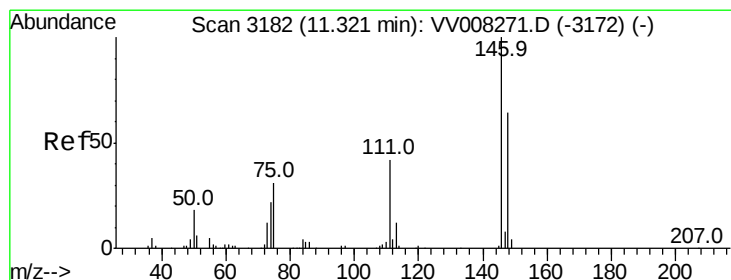
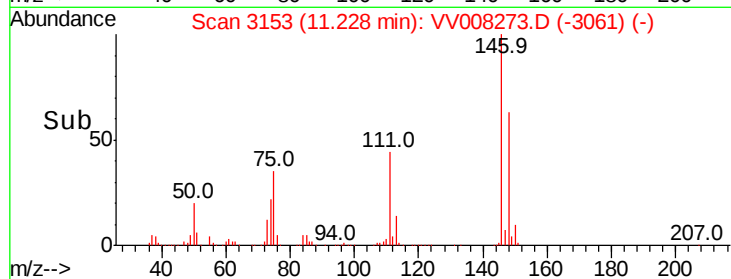
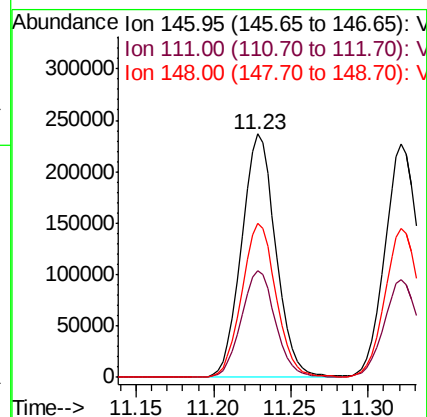
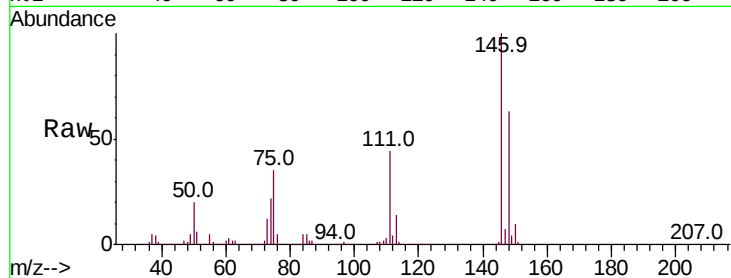




#62
 1,3-Dichlorobenzene
 Concen: 22.529 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

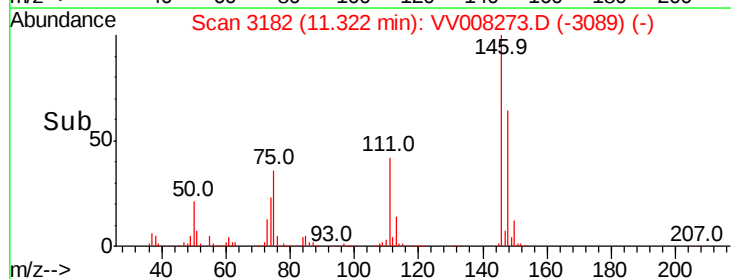
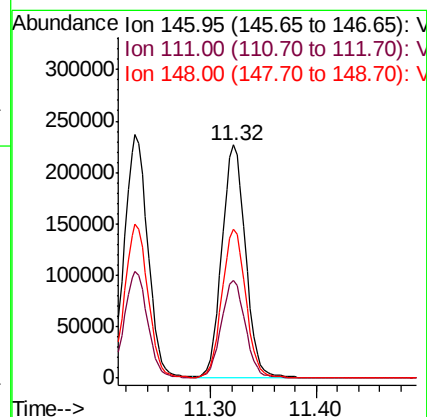
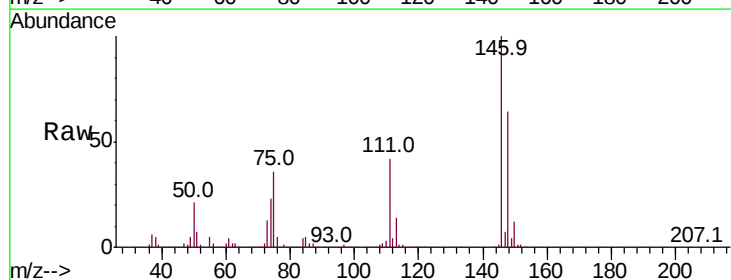
Instrument :
 MSVOA_V
 ClientSampleId :

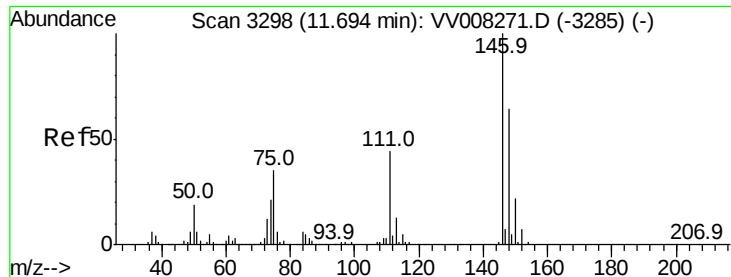
Tot Ion:146 Resp: 364164
 Ion Ratio Lower Upper
 146 100
 111 43.8 28.0 52.0
 148 63.5 42.9 79.7



#63
 1,4-Dichlorobenzene
 Concen: 21.866 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Tgt Ion:146 Resp: 354314
 Ion Ratio Lower Upper
 146 100
 111 41.8 30.0 55.6
 148 63.8 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 21.277 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :

MSVOA_V

ClientSampled :

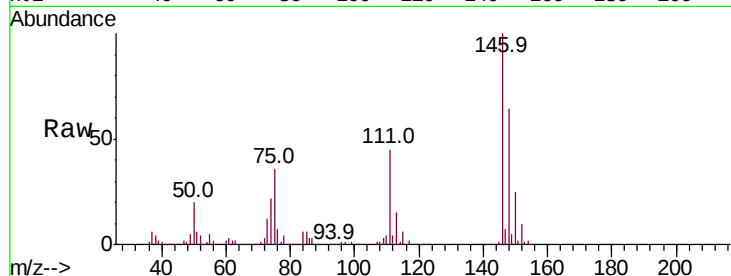
Tot Ion:146 Resp: 331084

Ion Ratio Lower Upper

146 100

111 45.2 35.5 53.3

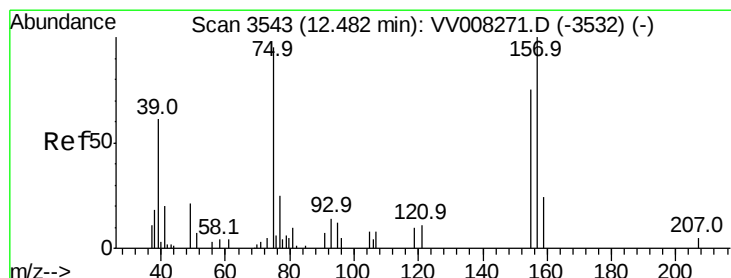
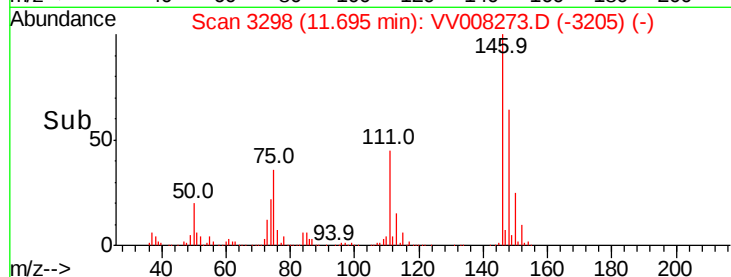
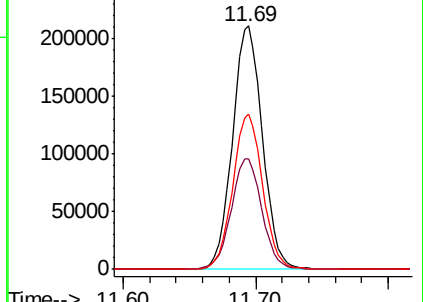
148 63.7 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.607 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

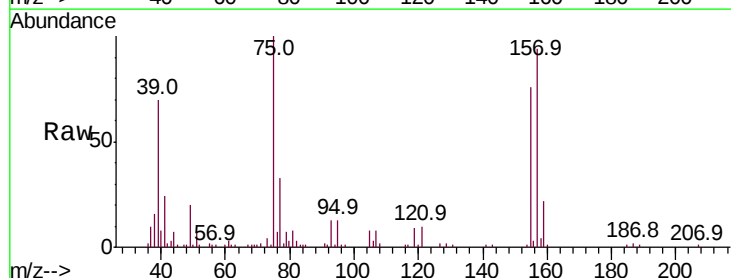
Tgt Ion: 75 Resp: 25972

Ion Ratio Lower Upper

75 100

155 76.3 63.6 95.4

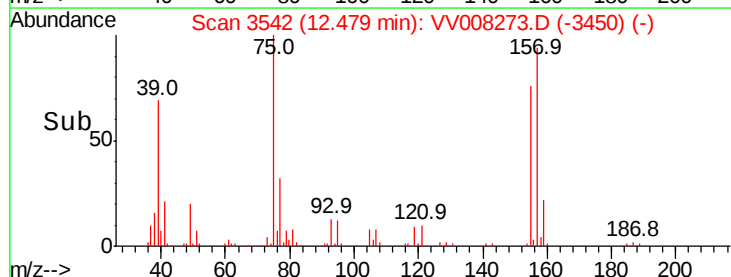
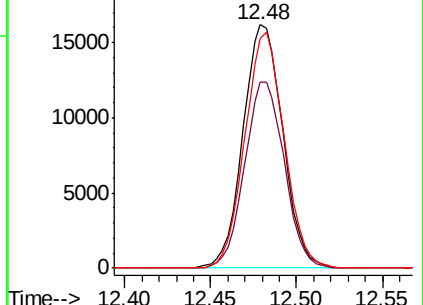
157 94.2 84.3 126.5

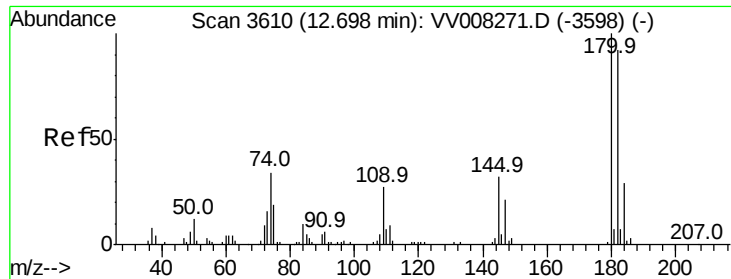


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

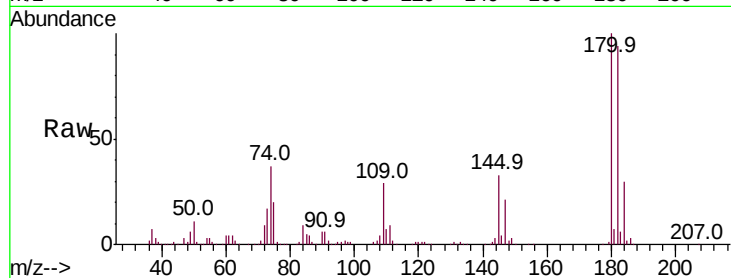




#67
 1,3,5-Trichlorobenzene
 Concen: 19.189 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.5	111.7
184	30.2	23.5	35.3
145	32.7	25.9	38.9



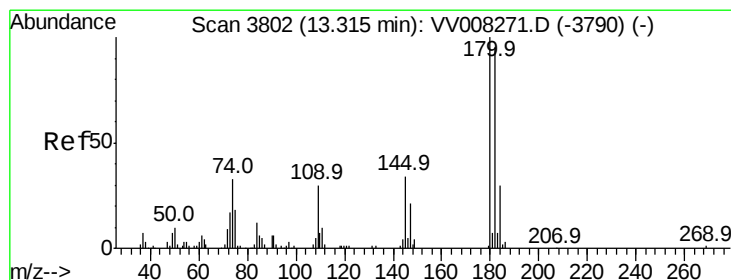
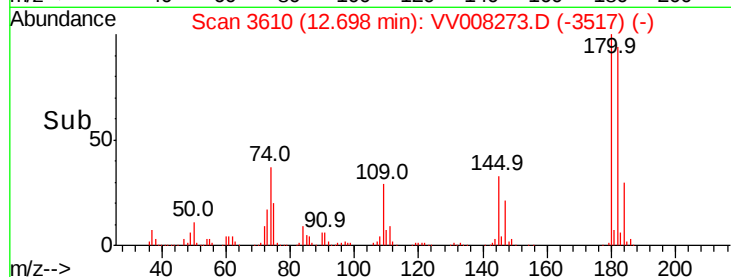
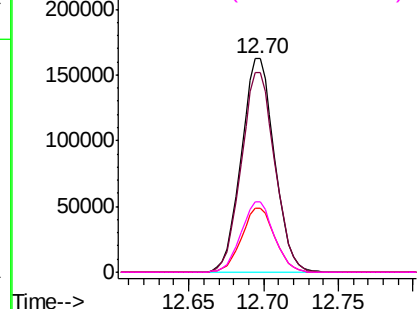
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

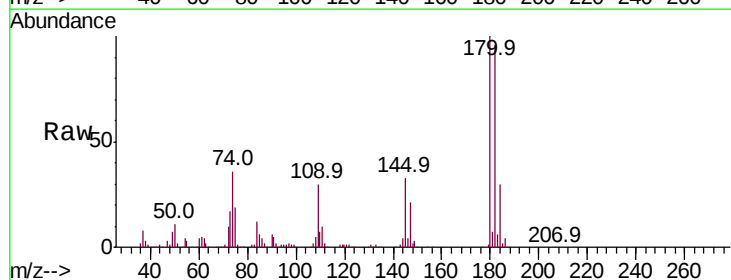
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.198 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008273.D
 Acq: 15 Oct 2018 12:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.3	112.9
145	33.5	26.1	39.1

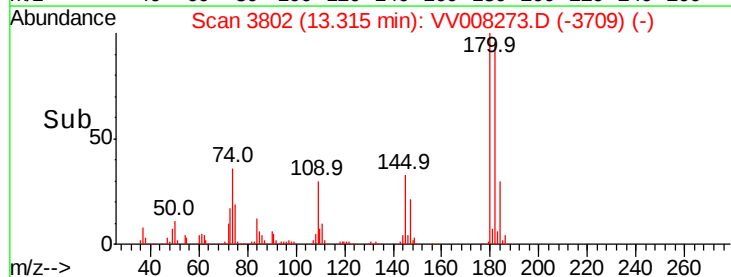
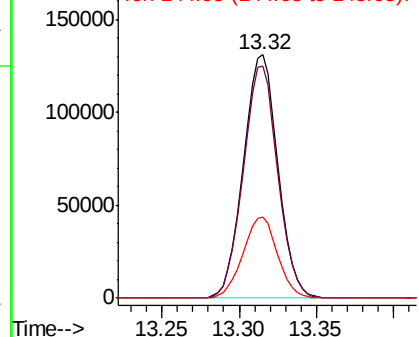


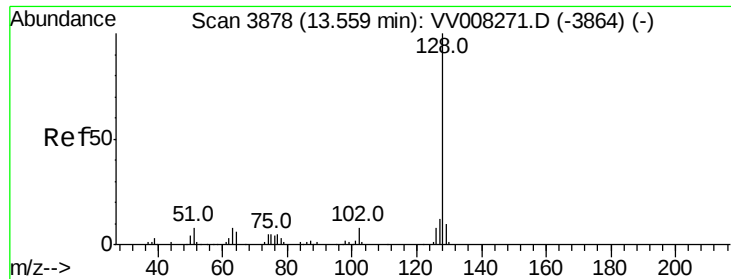
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 27.224 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Instrument :

MSVOA_V

ClientSampleId :

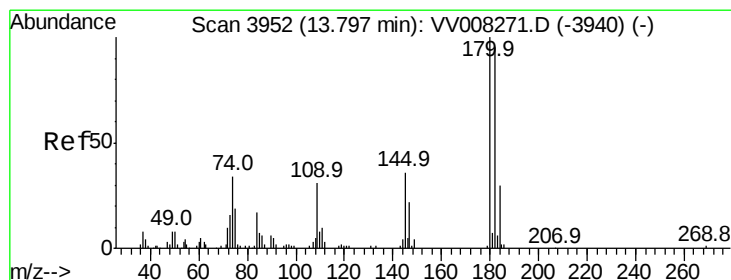
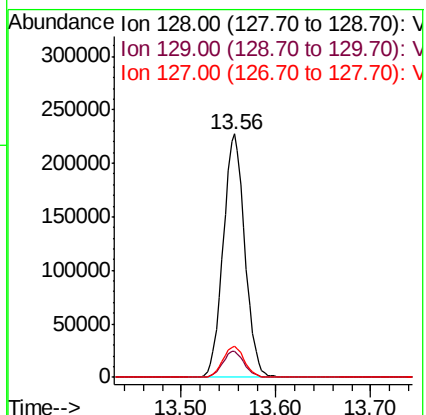
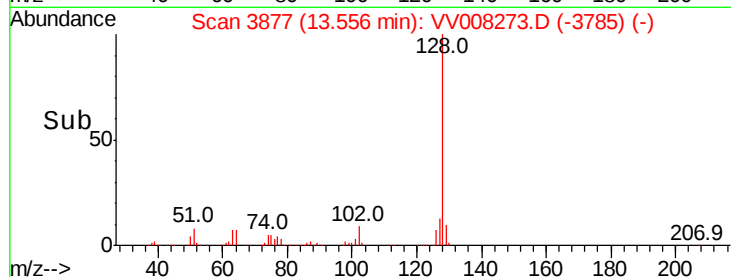
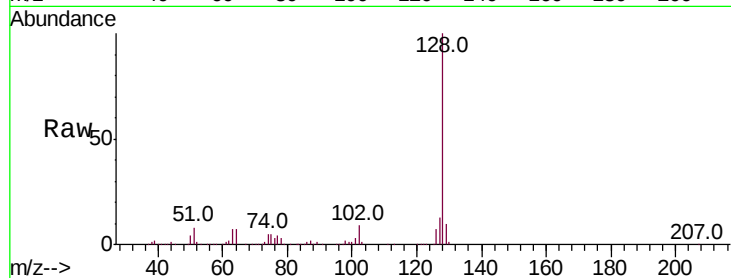
Tot Ion:128 Resp: 360751

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 12.7 10.1 15.1



#70

1,2,3-Trichlorobenzene

Concen: 20.137 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008273.D

Acq: 15 Oct 2018 12:54

Tgt Ion:180 Resp: 184591

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 35.3 28.3 42.5

