

Data File : VV012624.D
Acq On : 09 Sep 2019 15:14
Operator : SY/MD
Sample : VSTD005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Quant Time: Sep 10 08:57:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 10 08:53:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	524773	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	511634	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	259945	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	152388	5.00	ug/L	0.00
7) Chloroethane-d5	1.58	69	128182	5.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	252914	5.00	ug/L	0.00
20) 2-Butanone-d5	3.96	46	372550	50.00	ug/L	0.00
24) Chloroform-d	4.40	84	282642	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	136717	5.00	ug/L	0.00
32) Benzene-d6	5.09	84	547285	5.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	172523	5.00	ug/L	0.00
41) Toluene-d8	7.36	98	510087	5.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	59477	5.00	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	226603	50.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	124493	5.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	190997	5.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	191609	5.000 ug/L	100
3) Chloromethane	1.25	50	184612	5.000 ug/L	100
5) Vinyl chloride	1.32	62	192818	5.000 ug/L	100
6) Bromomethane	1.53	94	105339	5.000 ug/L	100
8) Chloroethane	1.60	64	114430	5.000 ug/L	100
9) Trichlorofluoromethane	1.77	101	244875	5.000 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	146801	5.000 ug/L	100
12) 1,1-Dichloroethene	2.14	96	136998	5.000 ug/L	100
13) Acetone	2.23	43	203996	50.000 ug/L	100
14) Carbon disulfide	2.31	76	375225	5.000 ug/L	100
15) Methyl Acetate	2.47	43	55551	5.000 ug/L	100
16) Methylene chloride	2.53	84	147525	5.000 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	320979	5.000 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	156574	5.000 ug/L	100
19) 1,1-Dichloroethane	3.23	63	294531	5.000 ug/L	100
21) 2-Butanone	4.05	43	371178	50.000 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	167435	5.000 ug/L	100
23) Bromochloromethane	4.30	128	72204	5.000 ug/L	100
25) Chloroform	4.42	83	307103	5.000 ug/L	100
27) 1,2-Dichloroethane	5.18	62	171036	5.000 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	238927	5.000 ug/L	100
30) Cyclohexane	4.72	56	241043	5.000 ug/L	100
31) Carbon tetrachloride	4.87	117	211547	5.000 ug/L	100
33) Benzene	5.14	78	656998	5.000 ug/L	100
34) Trichloroethene	5.96	95	172799	5.000 ug/L	100
35) Methylcyclohexane	6.17	83	250842	5.000 ug/L	100
37) 1,2-Dichloropropane	6.22	63	162574	5.000 ug/L	100
38) Bromodichloromethane	6.55	83	202400	5.000 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	209707	5.000 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	906638	50.000 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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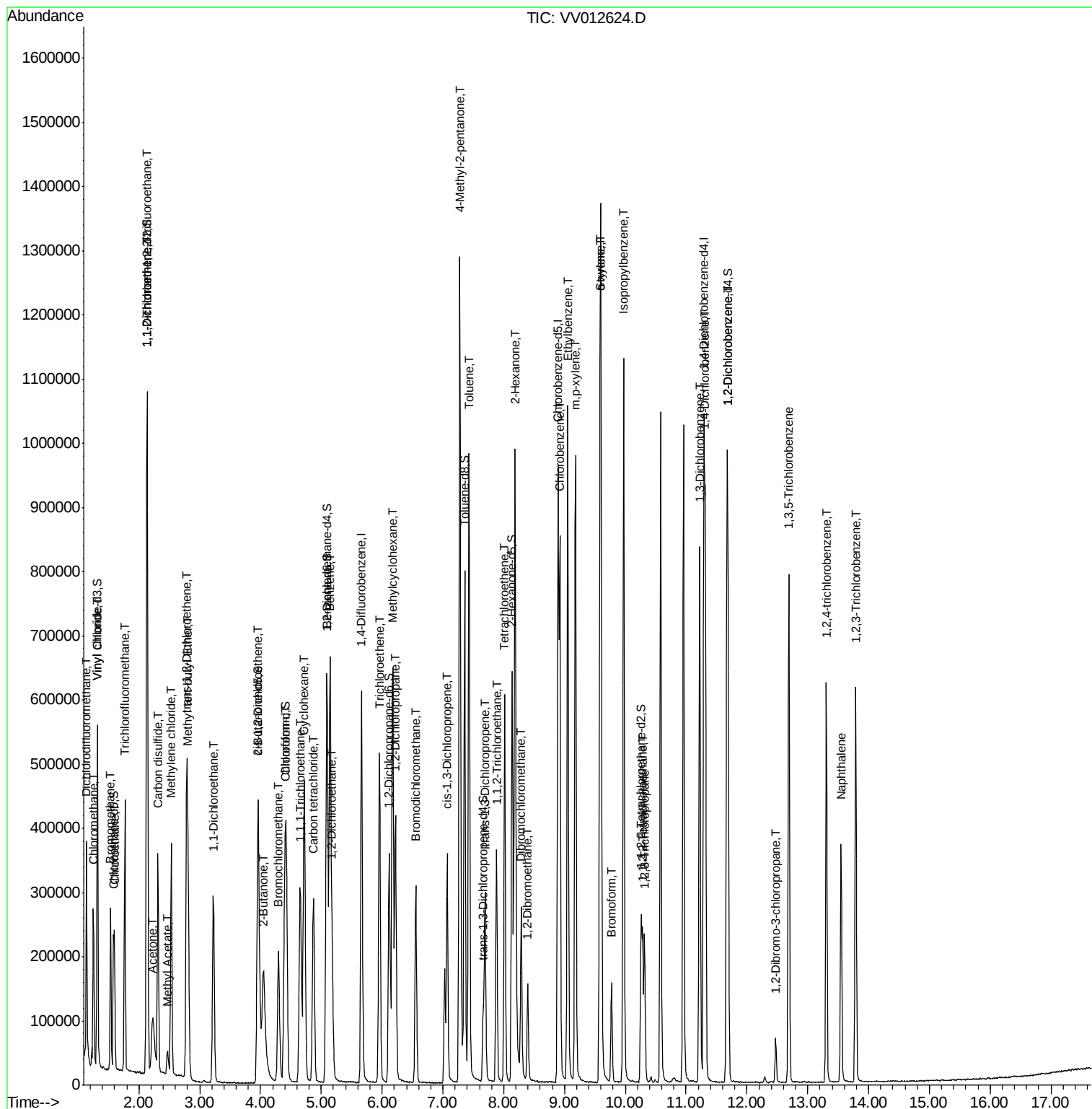
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	700328	5.000	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	157818	5.000	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	111684	5.000	ug/L	100
47) Tetrachloroethene	8.02	164	137893	5.000	ug/L	100
48) 2-Hexanone	8.19	43	674704	50.000	ug/L	100
49) Dibromochloromethane	8.29	129	131455	5.000	ug/L	100
50) 1,2-Dibromoethane	8.40	107	98442	5.000	ug/L	100
51) Chlorobenzene	8.92	112	440566	5.000	ug/L	100
52) Ethylbenzene	9.05	91	731959	5.000	ug/L	100
53) m,p-xylene	9.18	106	281658	5.000	ug/L	100
54) o-xylene	9.59	106	268896	5.000	ug/L	100
55) Styrene	9.60	104	467099	5.000	ug/L	100
56) Isopropylbenzene	9.97	105	715286	5.000	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	111196	5.000	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	93553	5.000	ug/L	100
61) Bromoform	9.78	173	68920	5.000	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	345610	5.000	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	340112	5.000	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	316595	5.000	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	15945	5.000	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	254070	5.000	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	195979	5.000	ug/L	100
69) Naphthalene	13.55	128	292008	5.000	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	191768	5.000	ug/L	100

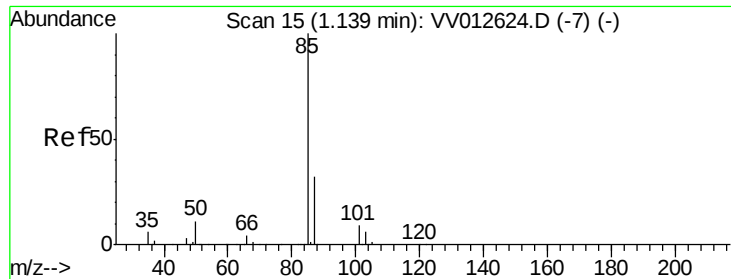
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.000 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

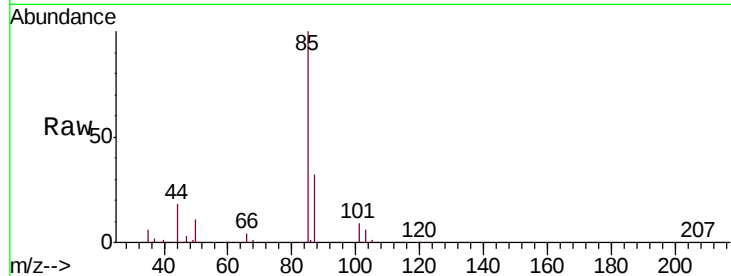
VSTD00534

Tgt Ion: 85.00 Resp: 191609

Ion Ratio Lower Upper

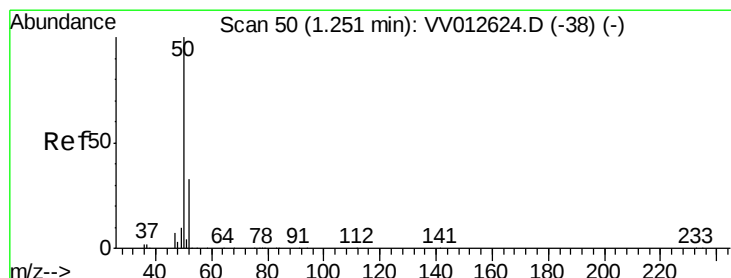
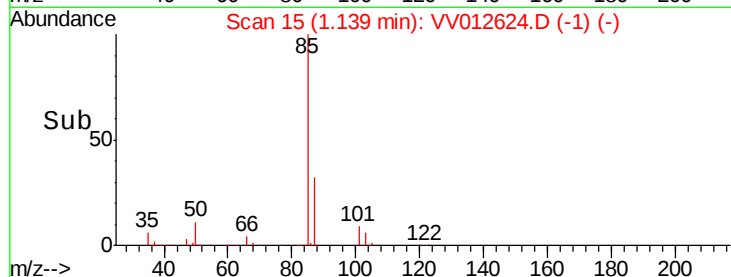
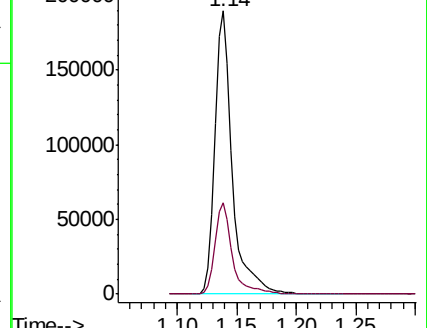
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.000 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012624.D

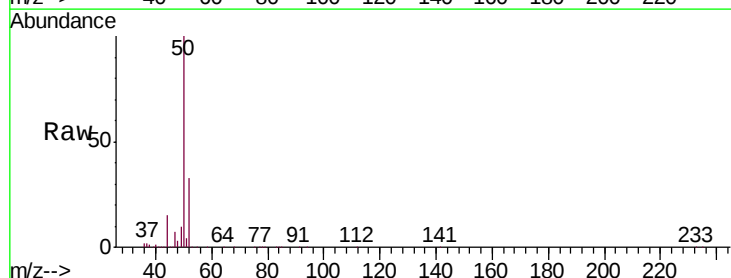
Acq: 09 Sep 2019 15:14

Tgt Ion: 50.00 Resp: 184612

Ion Ratio Lower Upper

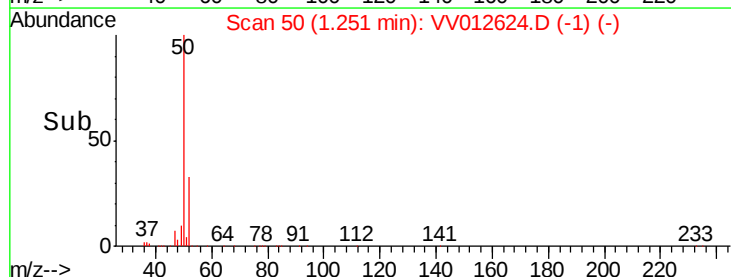
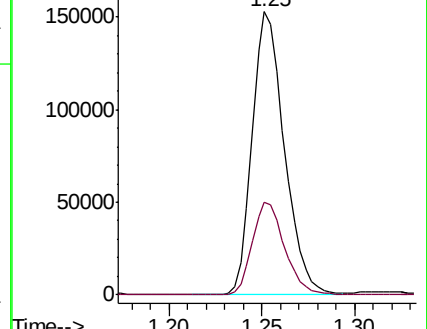
50 100

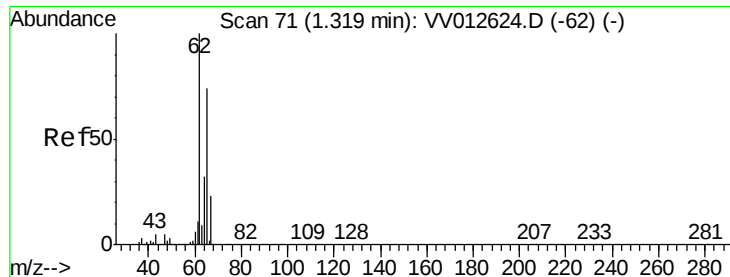
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.000 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

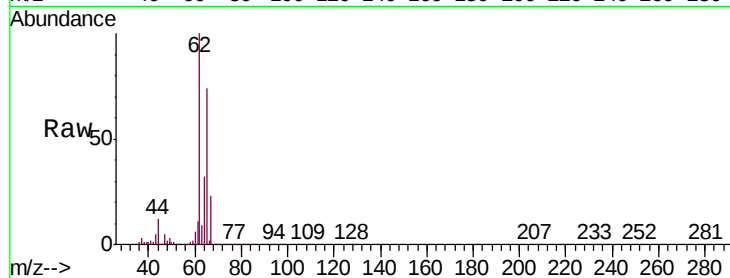
VSTD00534

Tgt Ion: 62 Resp: 192818

Ion Ratio Lower Upper

62 100

64 31.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

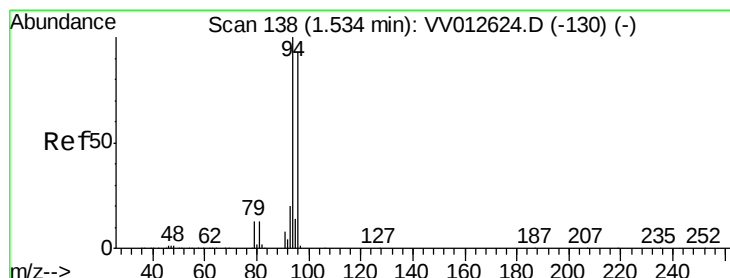
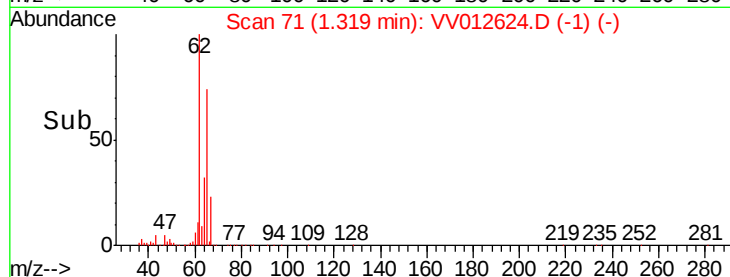
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.000 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012624.D

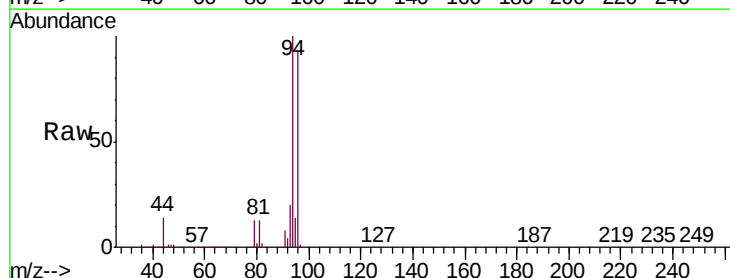
Acq: 09 Sep 2019 15:14

Tgt Ion: 94 Resp: 105339

Ion Ratio Lower Upper

94 100

96 92.8 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

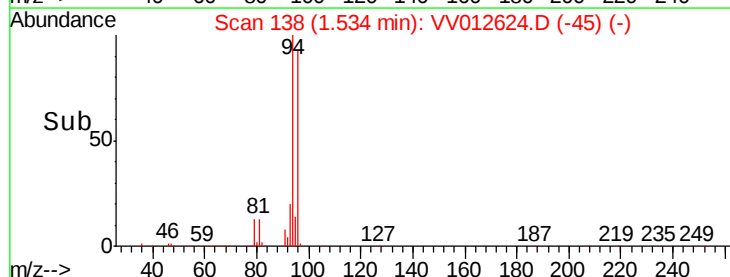
60000

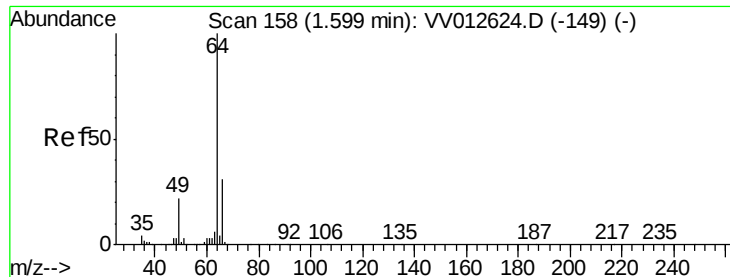
40000

20000

0

Time--> 1.50 1.55 1.60

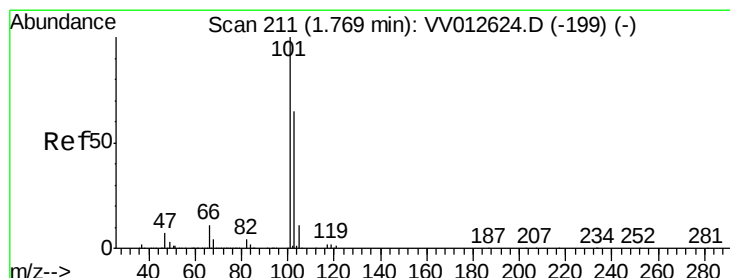
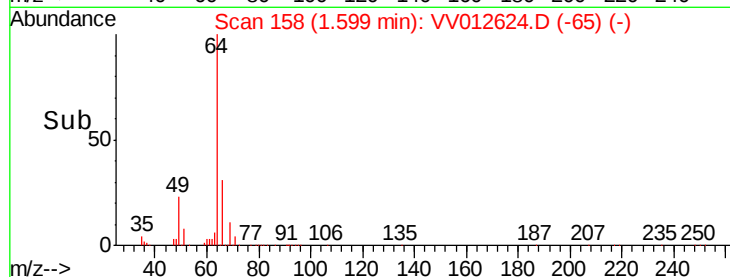
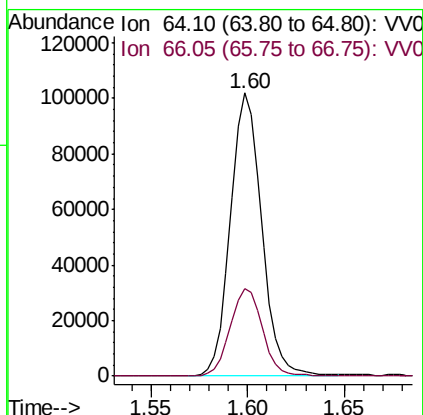
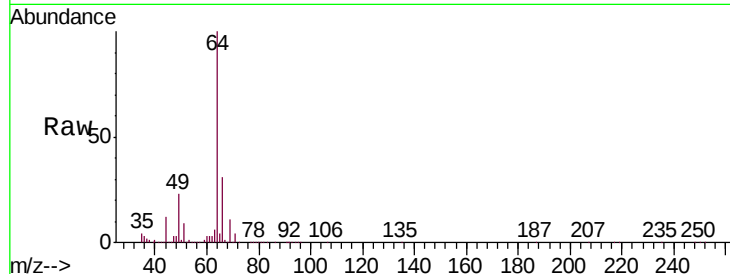




#8
Chloroethane
Concen: 5.000 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

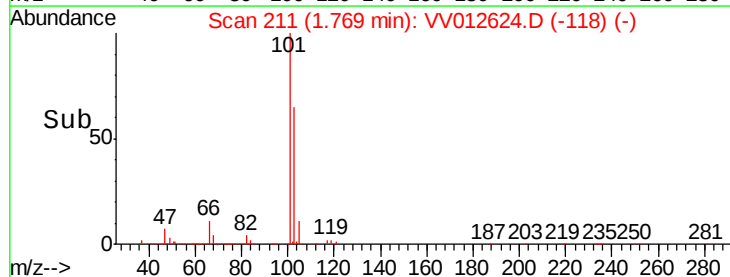
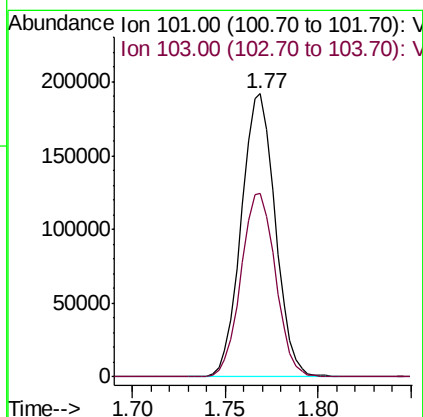
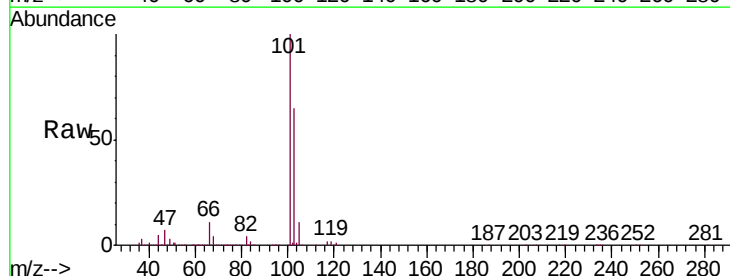
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

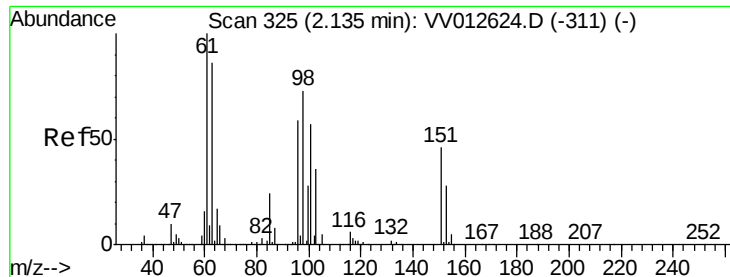
Tgt Ion: 64 Resp: 114430
Ion Ratio Lower Upper
64 100
66 30.8 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.000 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Tgt Ion: 101 Resp: 244875
Ion Ratio Lower Upper
101 100
103 66.1 52.9 79.3





#10

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

Concen: 5.000 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

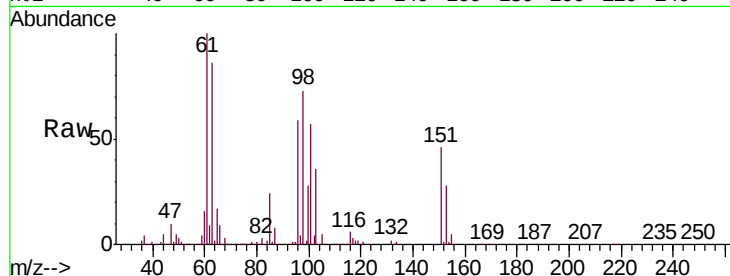
Tgt Ion: 101 Resp: 146801

Ion Ratio Lower Upper

101 100

85 41.3 33.0 49.6

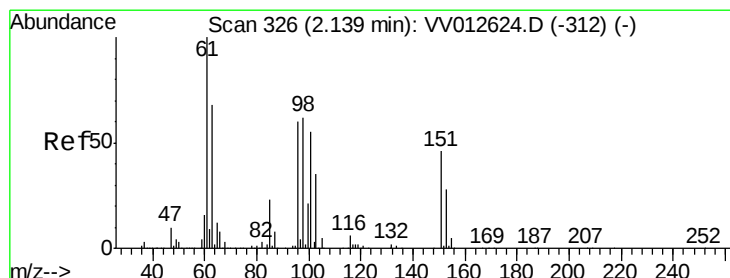
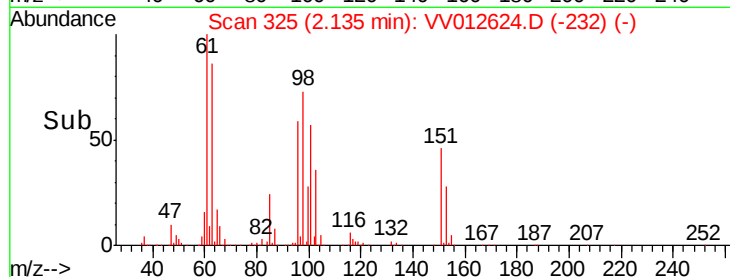
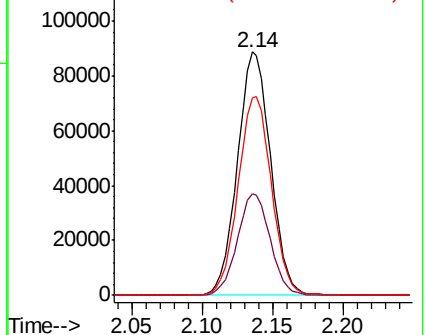
151 82.3 65.8 98.8



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: 5.000 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

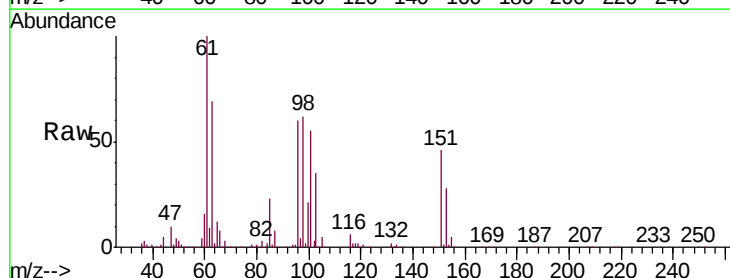
Tgt Ion: 96 Resp: 136998

Ion Ratio Lower Upper

96 100

61 165.4 115.8 215.0

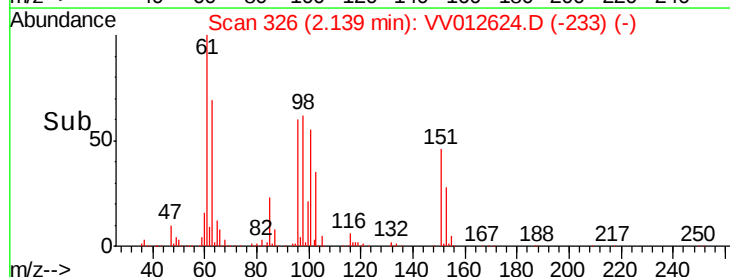
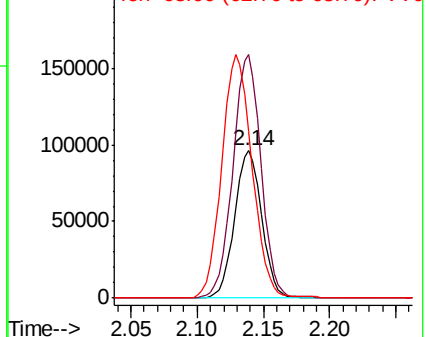
63 113.4 79.4 147.4

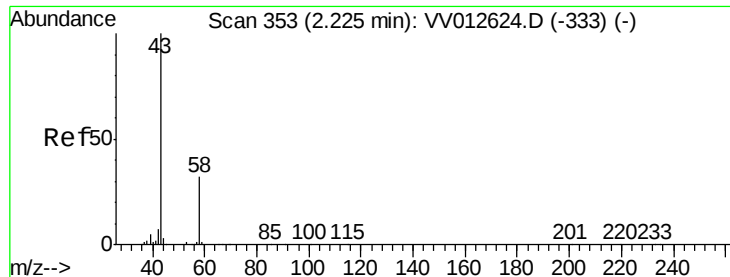


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.000 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

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ClientSampleId :

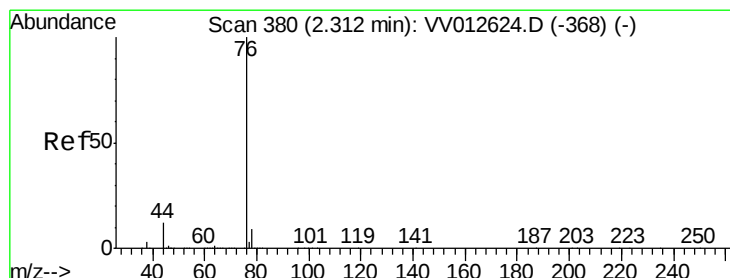
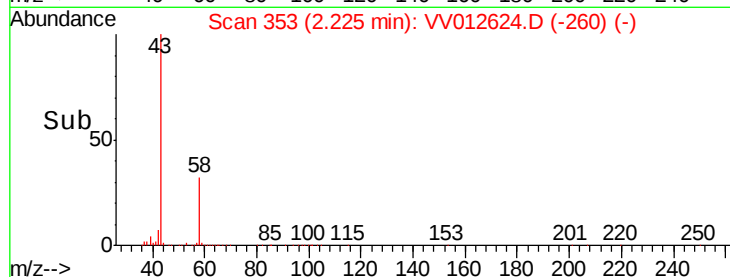
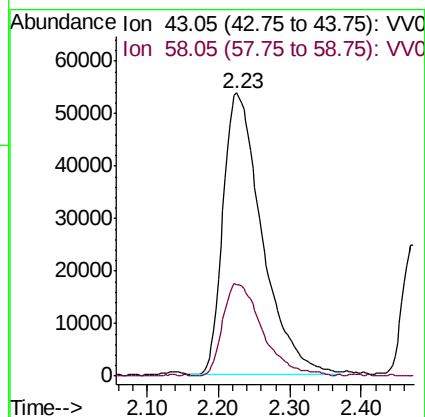
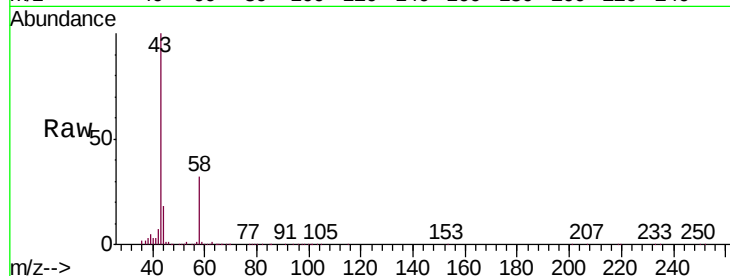
VSTD00534

Tgt Ion: 43 Resp: 203996

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.4



#14

Carbon disulfide

Concen: 5.000 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV012624.D

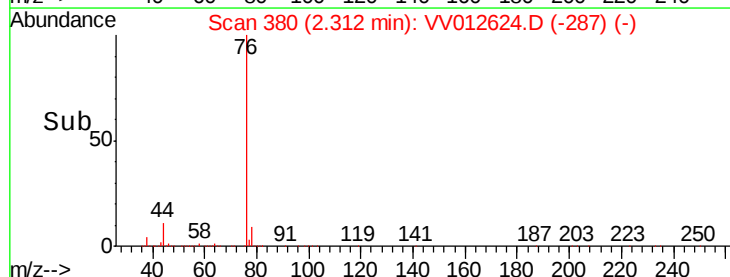
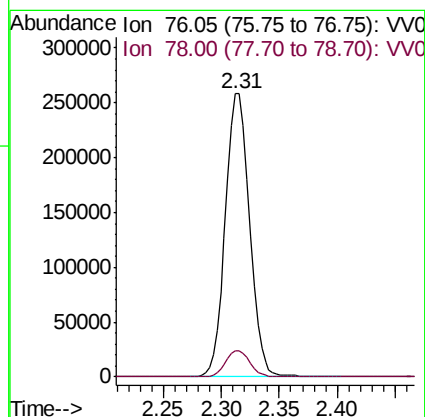
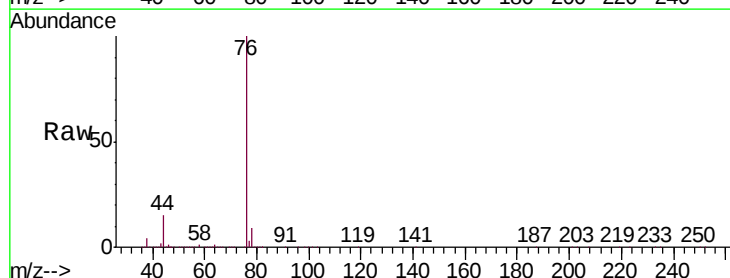
Acq: 09 Sep 2019 15:14

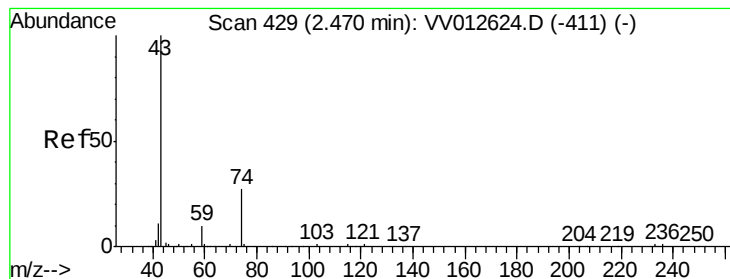
Tgt Ion: 76 Resp: 375225

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 5.000 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampled :

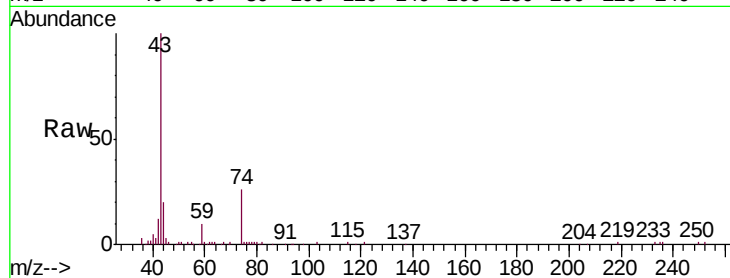
VSTD00534

Tgt Ion: 43 Resp: 55551

Ion Ratio Lower Upper

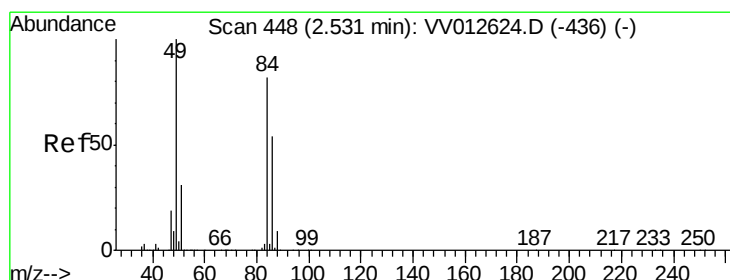
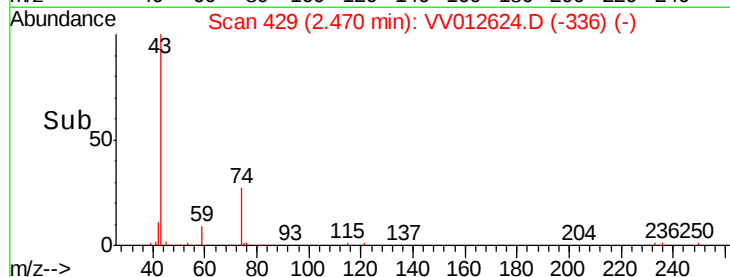
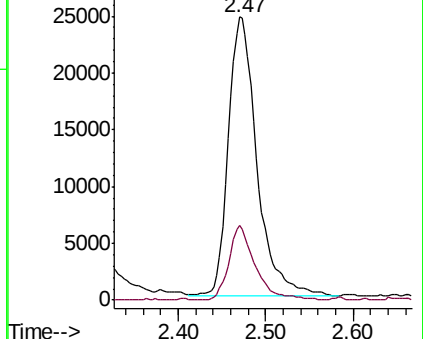
43 100

74 24.7 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.000 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

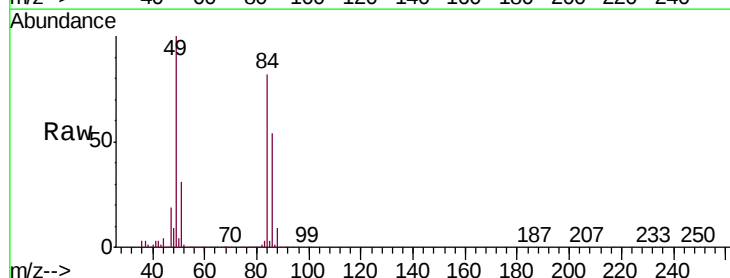
Tgt Ion: 84 Resp: 147525

Ion Ratio Lower Upper

84 100

86 65.9 46.1 85.7

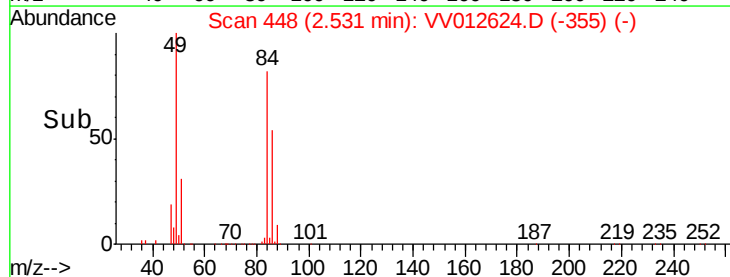
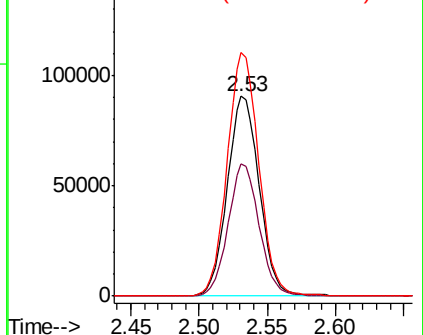
49 121.8 85.3 158.3

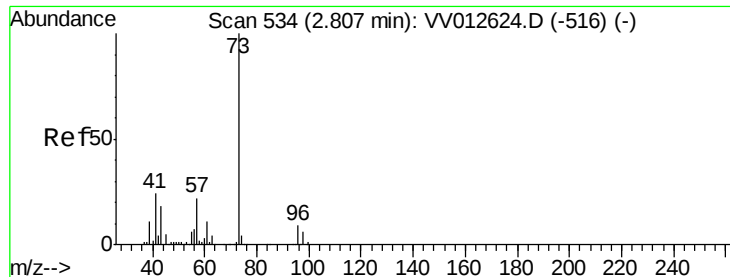


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.000 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

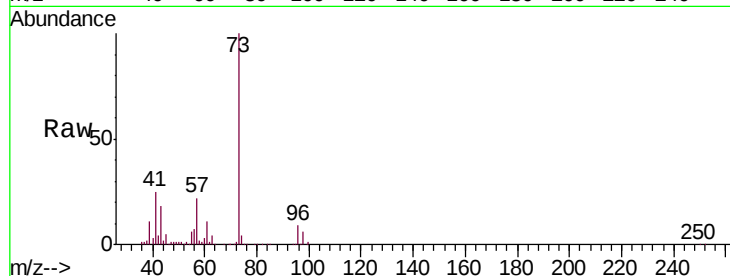
Tgt Ion: 73 Resp: 320979

Ion Ratio Lower Upper

73 100

43 18.2 14.6 21.8

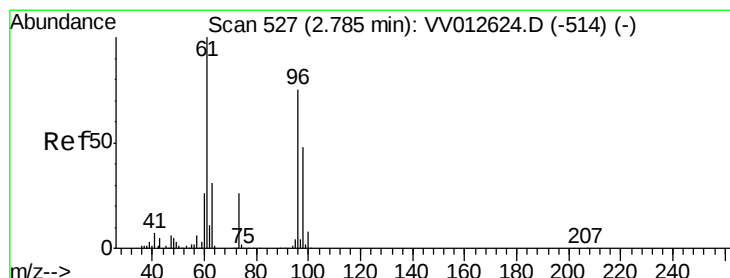
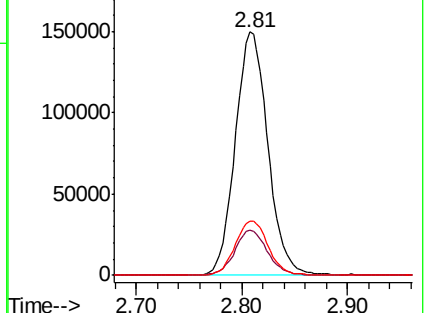
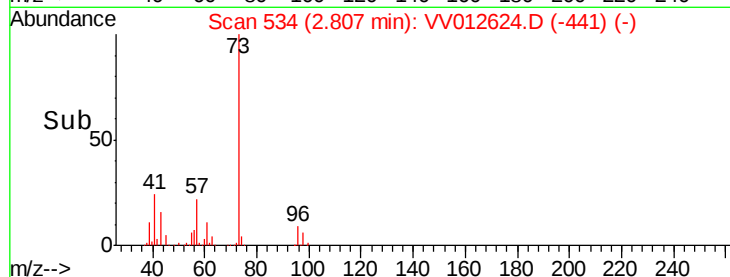
57 22.7 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.000 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

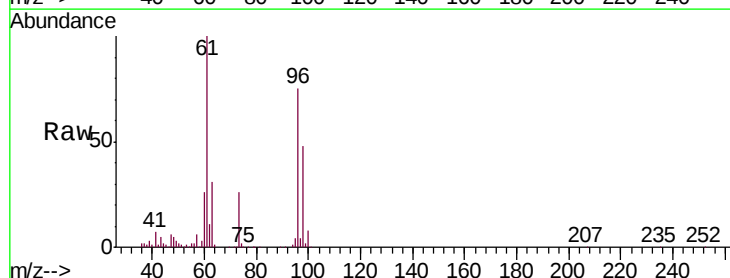
Tgt Ion: 96 Resp: 156574

Ion Ratio Lower Upper

96 100

61 132.9 93.0 172.8

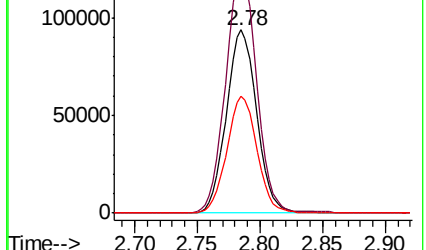
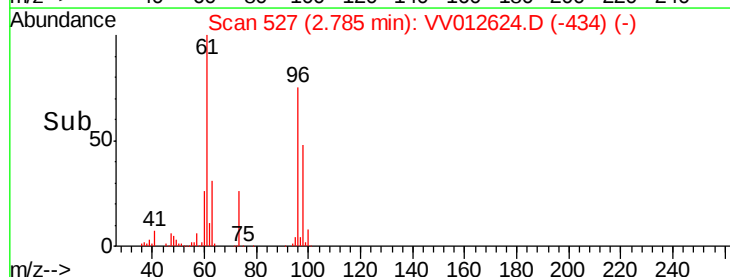
98 63.9 44.7 83.1

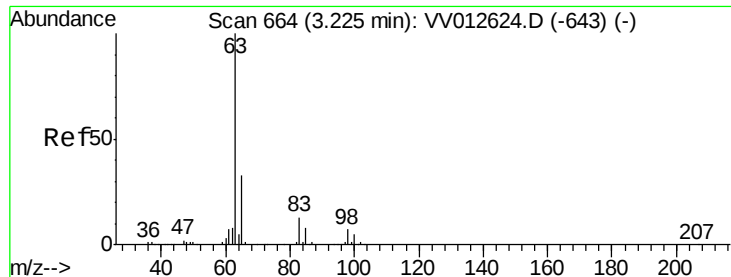


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.000 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

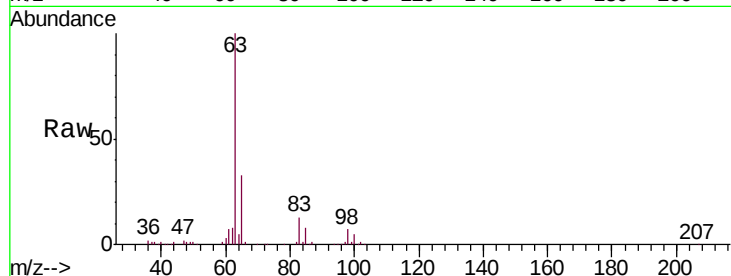
Tgt Ion: 63 Resp: 294531

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.3

83 13.0 9.1 16.9

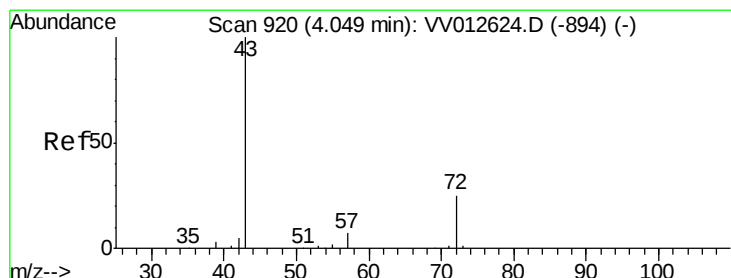
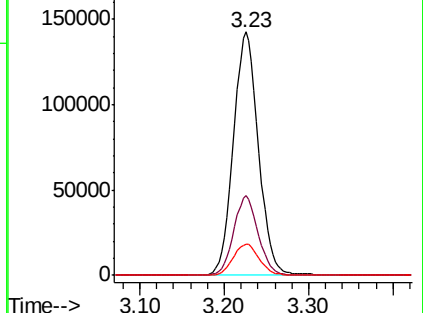
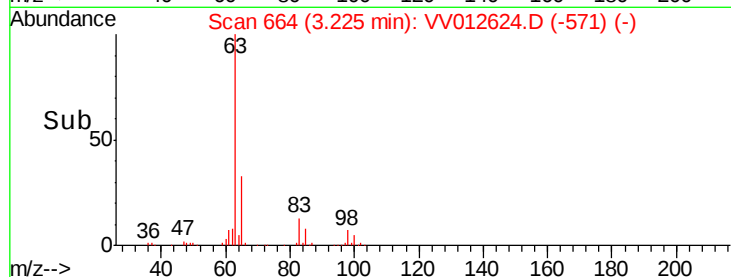


Abundance Ion 63.10 (62.80 to 63.80): VV012624.D (-643) (-)

Ion 65.10 (64.80 to 65.80): VV012624.D (-643) (-)

Ion 83.05 (82.75 to 83.75): VV012624.D (-643) (-)

Time-->



#21

2-Butanone

Concen: 50.000 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VV012624.D

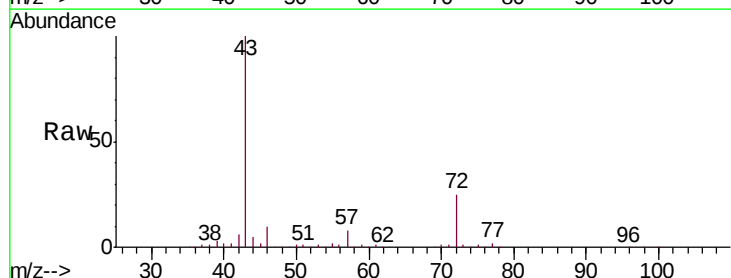
Acq: 09 Sep 2019 15:14

Tgt Ion: 43 Resp: 371178

Ion Ratio Lower Upper

43 100

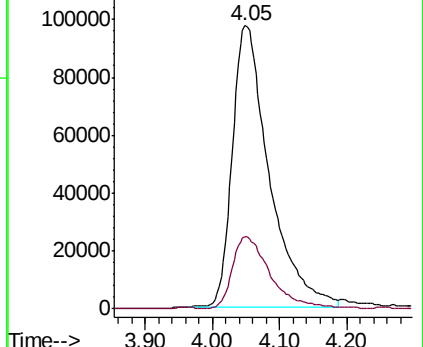
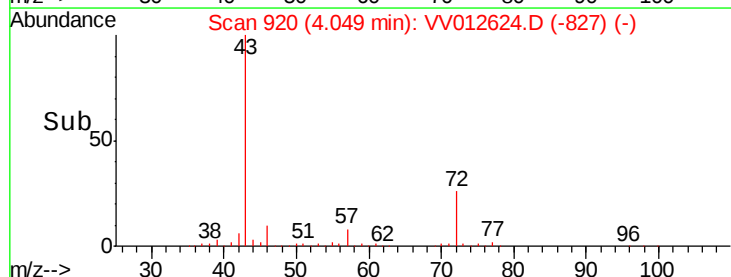
72 25.9 13.0 38.9

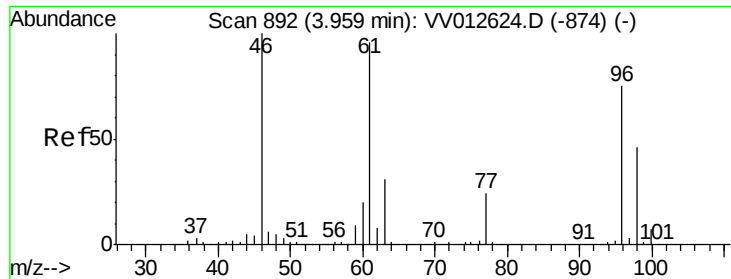


Abundance Ion 43.05 (42.75 to 43.75): VV012624.D (-894) (-)

Ion 72.10 (71.80 to 72.80): VV012624.D (-894) (-)

Time-->



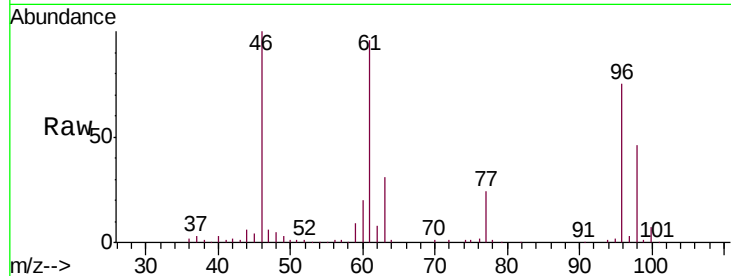


#22

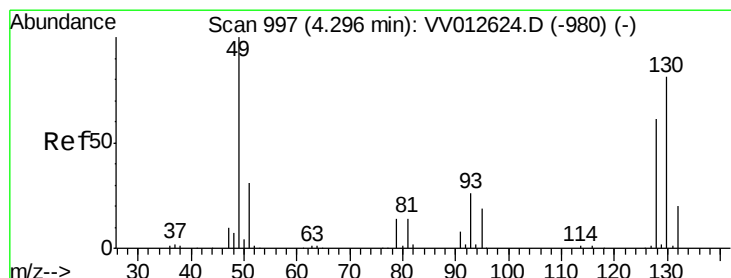
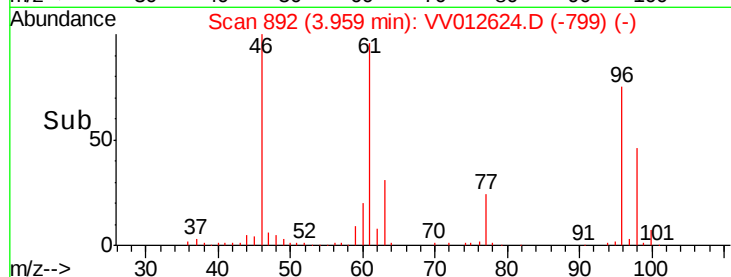
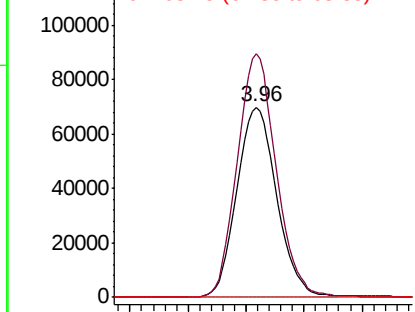
cis-1,2-Dichloroethene
Concen: 5.000 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Tgt Ion: 96 Resp: 167435
Ion Ratio Lower Upper
96 100
61 128.1 89.7 166.5
68 0.0 0.0 0.0



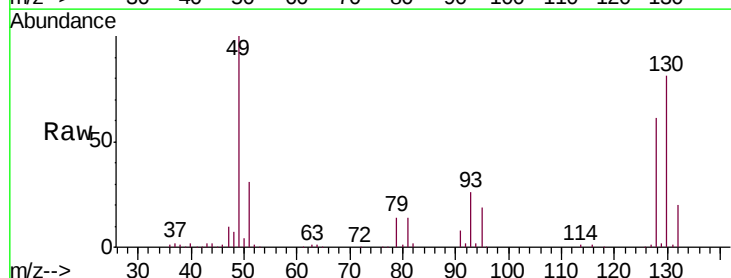
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



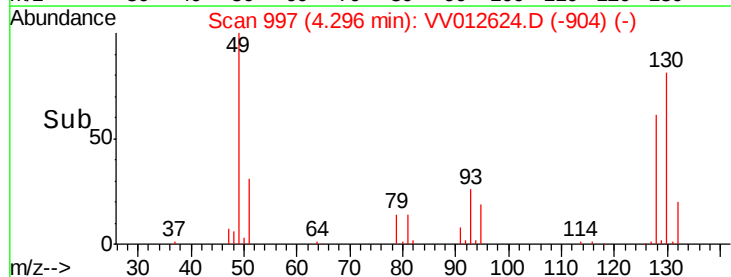
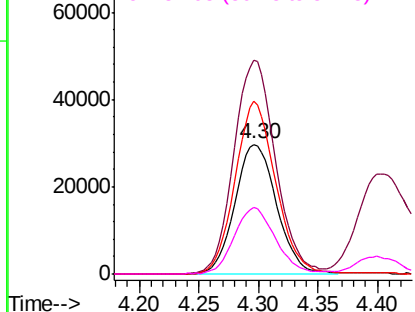
#23

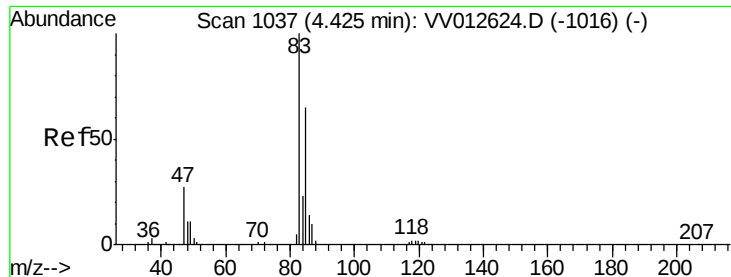
Bromochloromethane
Concen: 5.000 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Tgt Ion: 128 Resp: 72204
Ion Ratio Lower Upper
128 100
49 164.6 115.2 214.0
130 132.7 92.9 172.5
51 51.0 40.8 61.2



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

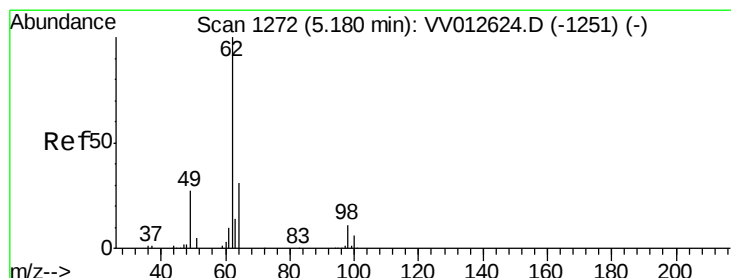
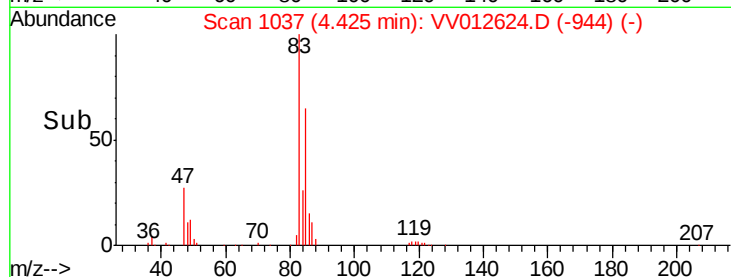
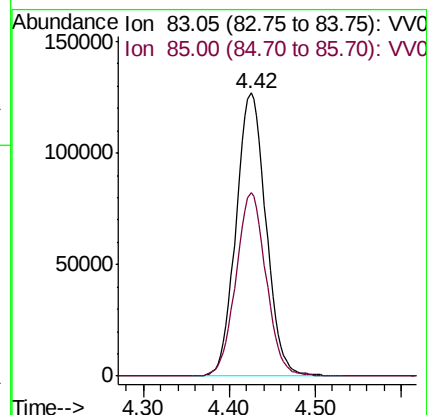
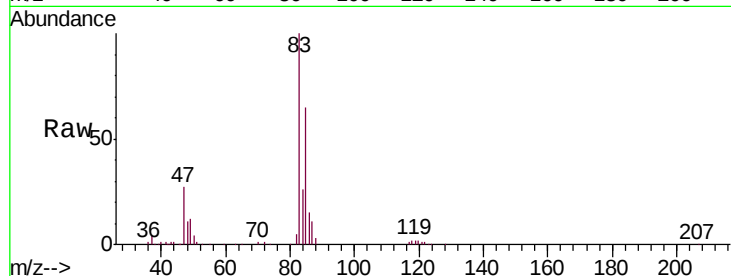




#25
Chloroform
Concen: 5.000 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

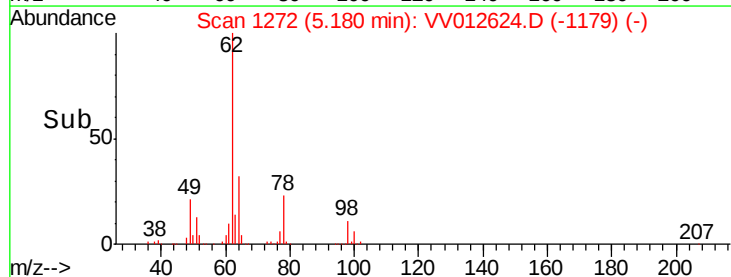
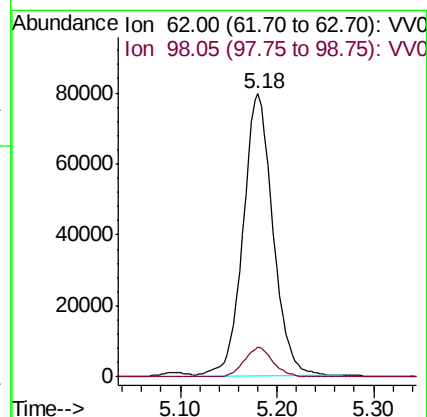
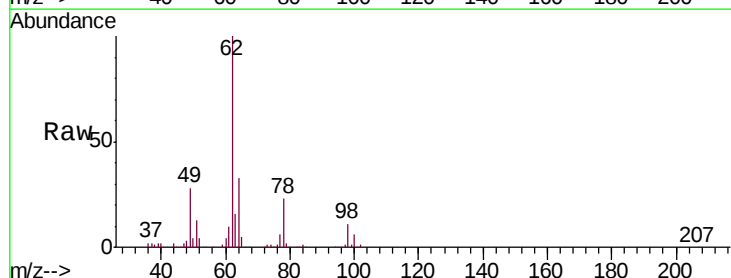
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

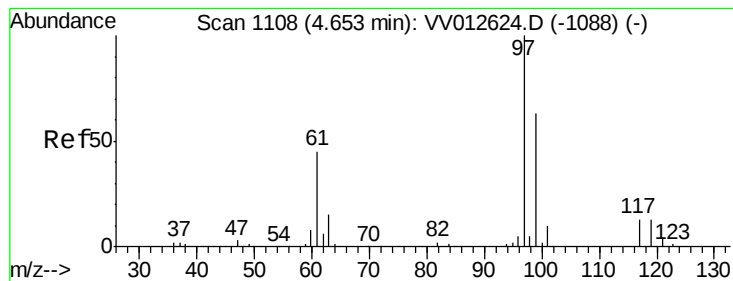
Tgt Ion: 83 Resp: 307103
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.000 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Tgt Ion: 62 Resp: 171036
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.000 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

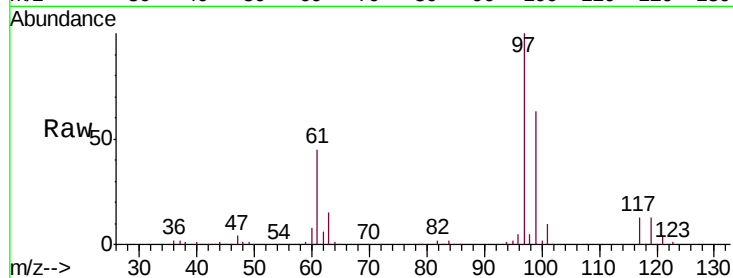
Tgt Ion: 97 Resp: 238927

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

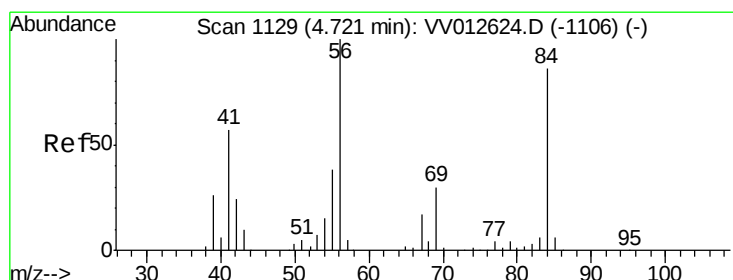
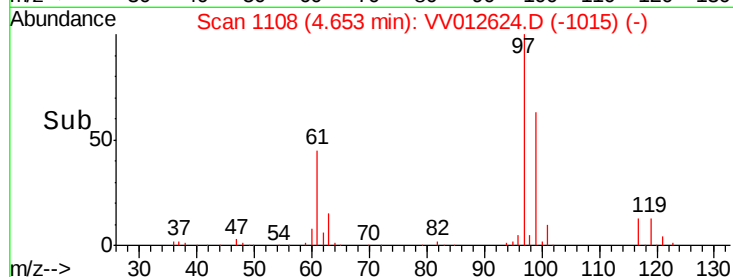
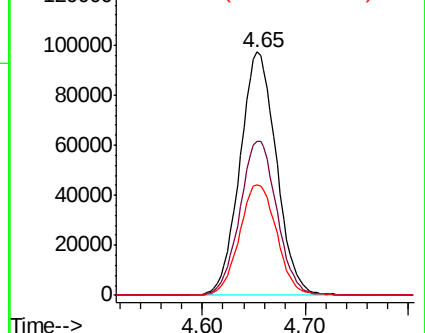
61 46.9 37.5 56.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.000 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

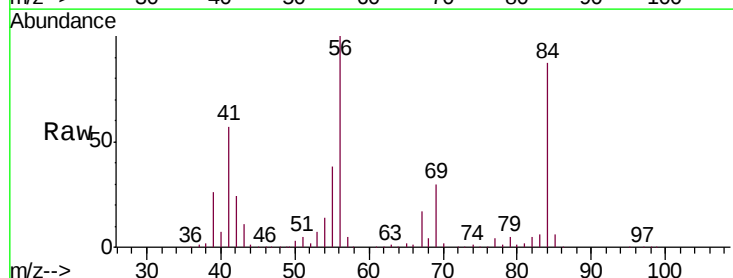
Tgt Ion: 56 Resp: 241043

Ion Ratio Lower Upper

56 100

69 29.8 23.8 35.8

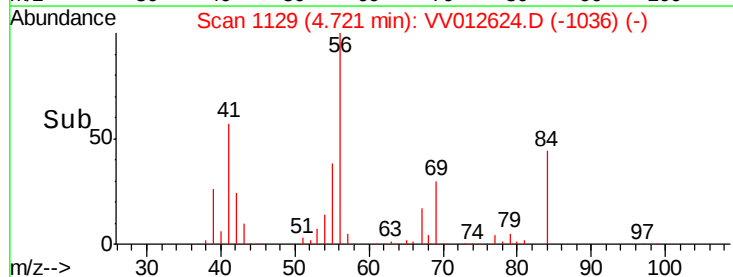
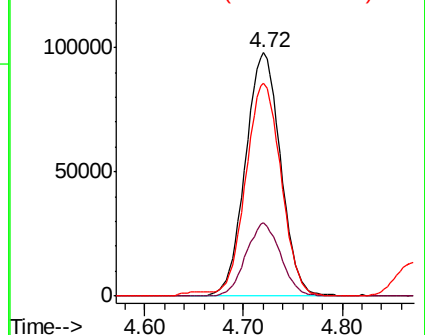
84 87.6 70.1 105.1

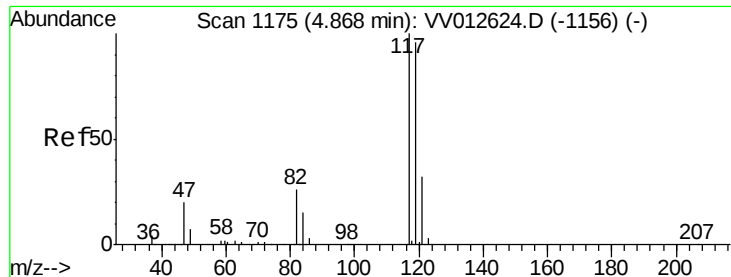


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

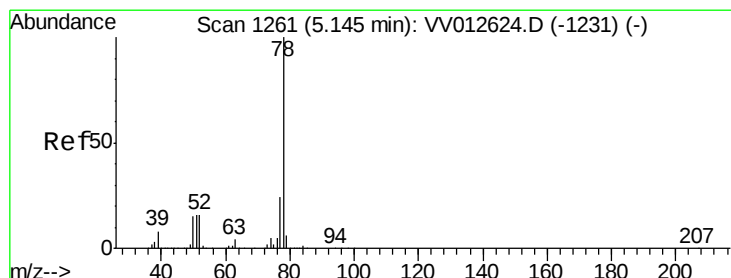
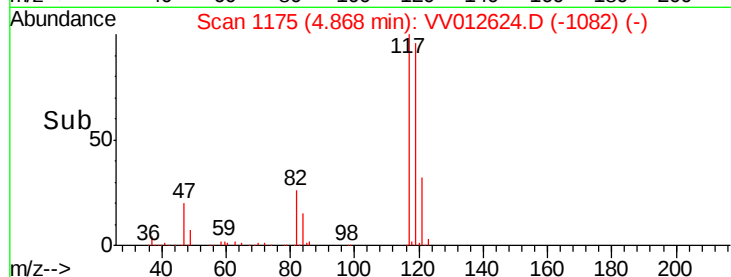
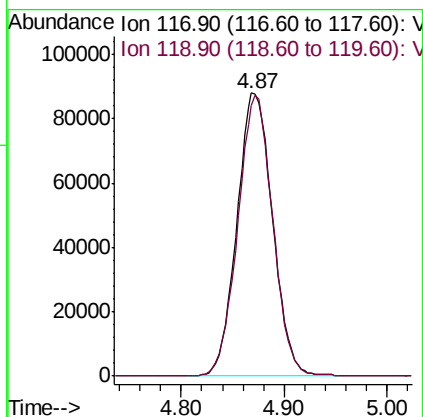
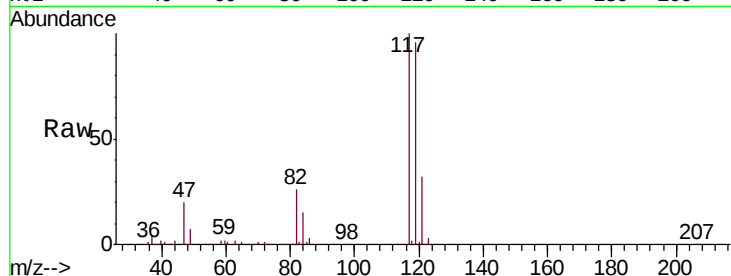




#31
Carbon tetrachloride
Concen: 5.000 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

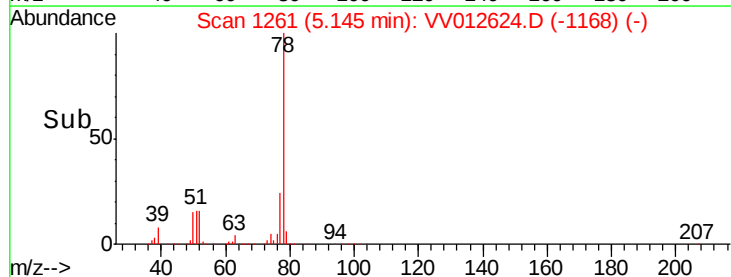
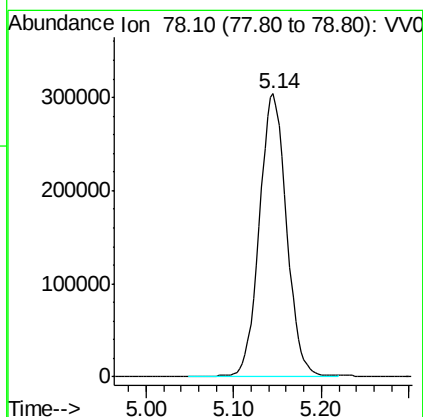
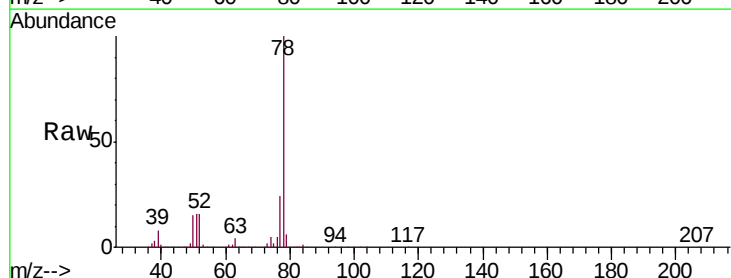
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

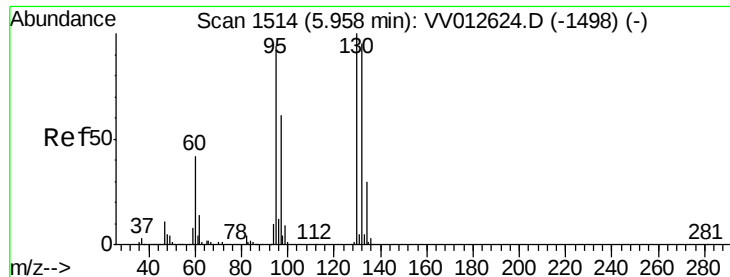
Tgt Ion:117 Resp: 211547
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 5.000 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Tgt Ion: 78 Resp: 656998





#34

Trichloroethene

Concen: 5.000 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

Tgt Ion: 95 Resp: 172799

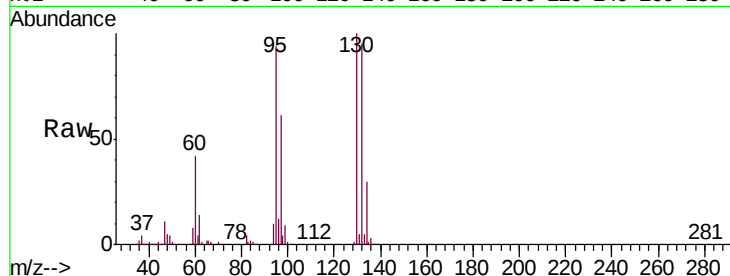
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 100.3 70.2 130.4

130 106.0 74.2 137.8



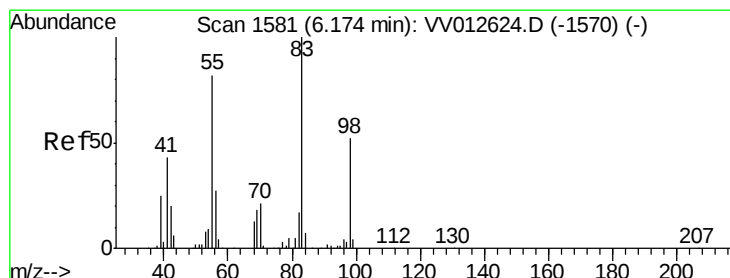
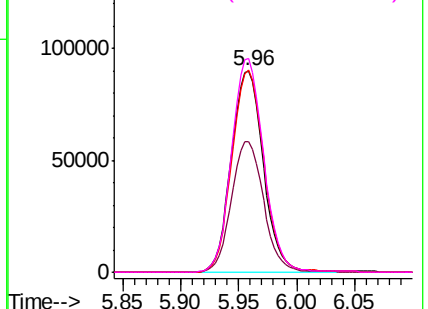
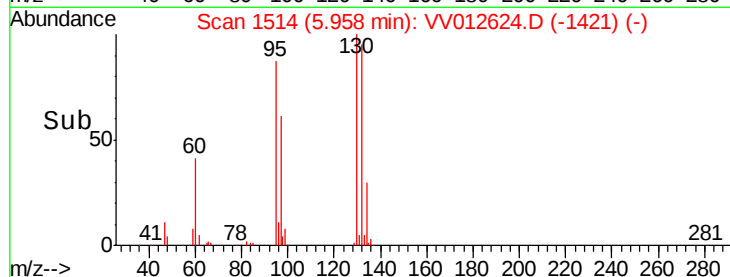
Abundance

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): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.000 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

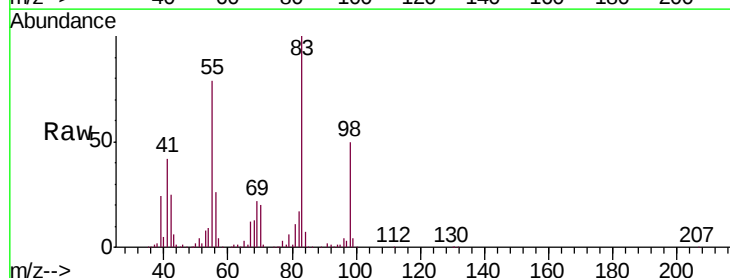
Tgt Ion: 83 Resp: 250842

Ion Ratio Lower Upper

83 100

55 78.7 63.0 94.4

98 49.8 39.8 59.8

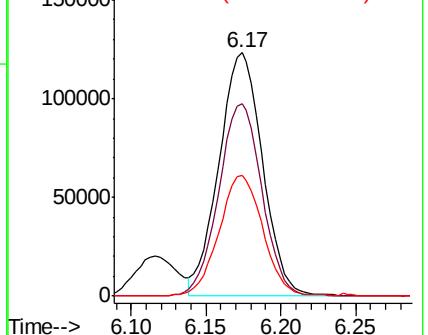
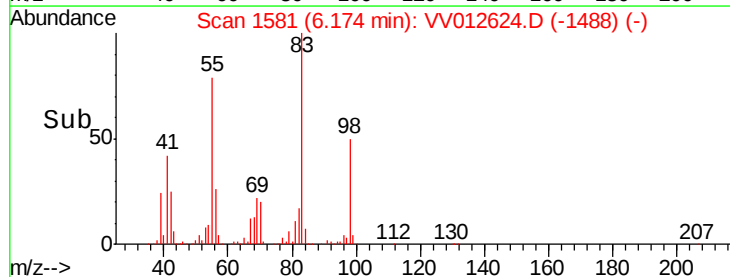


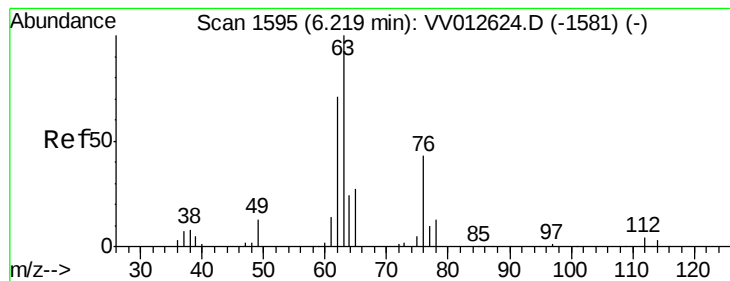
Abundance

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: 5.000 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

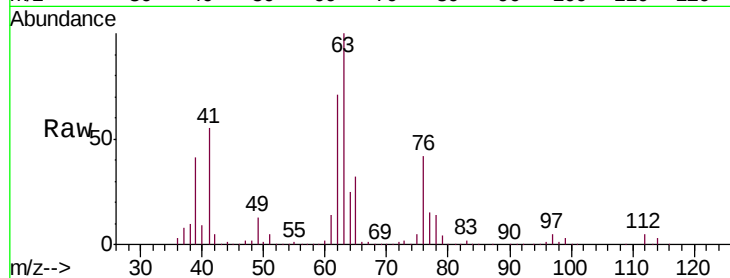
VSTD00534

Tgt Ion: 63 Resp: 162574

Ion Ratio Lower Upper

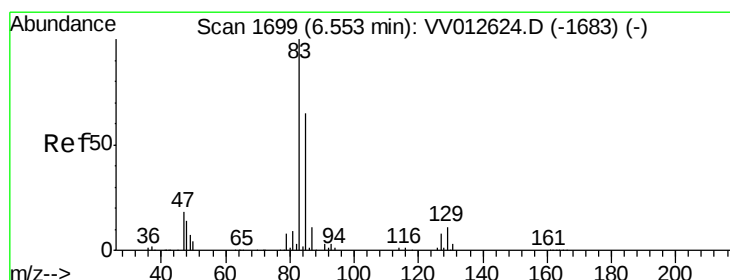
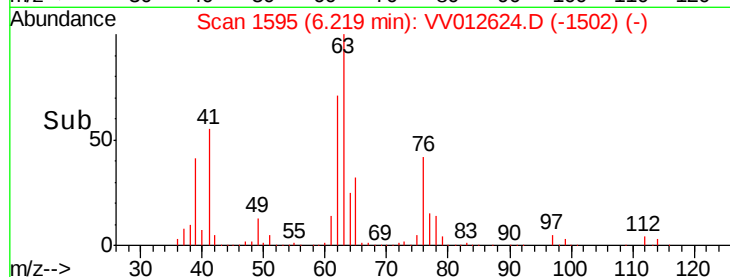
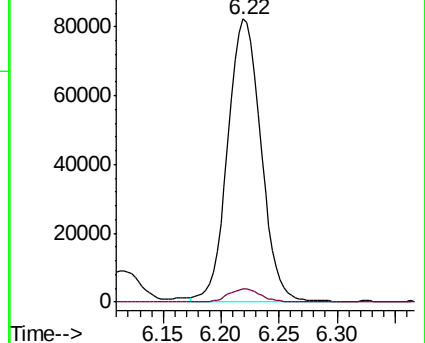
63 100

112 4.7 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV012624.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV012624.D (-1581) (-)



#38

Bromodichloromethane

Concen: 5.000 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

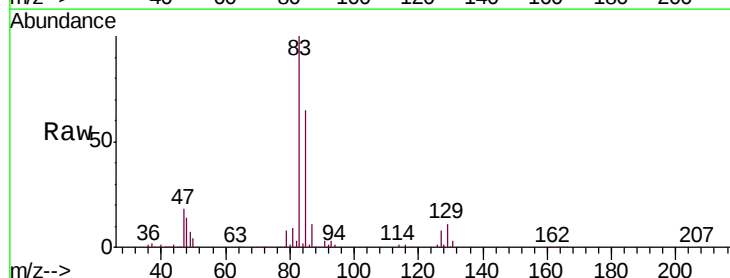
Tgt Ion: 83 Resp: 202400

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

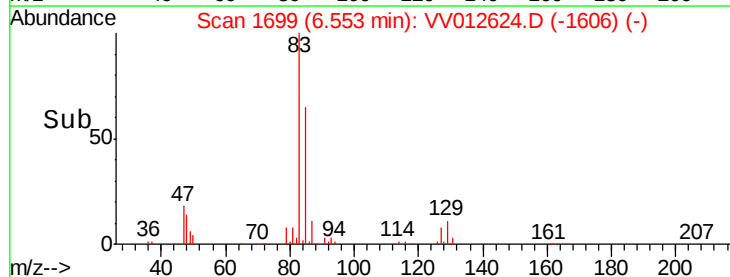
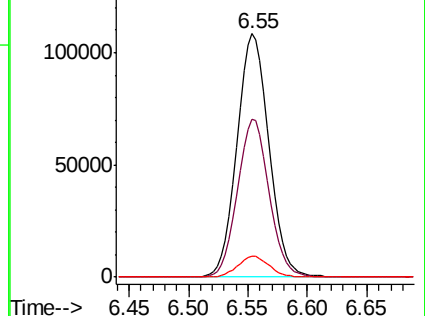
127 8.5 6.8 10.2

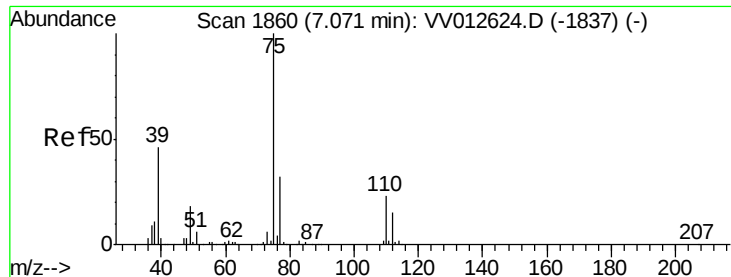


Abundance Ion 82.95 (82.65 to 83.65): VV012624.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV012624.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV012624.D (-1683) (-)

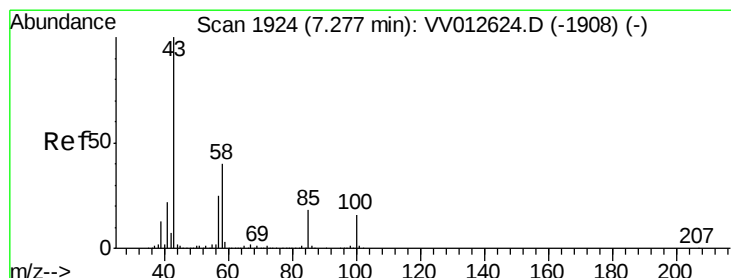
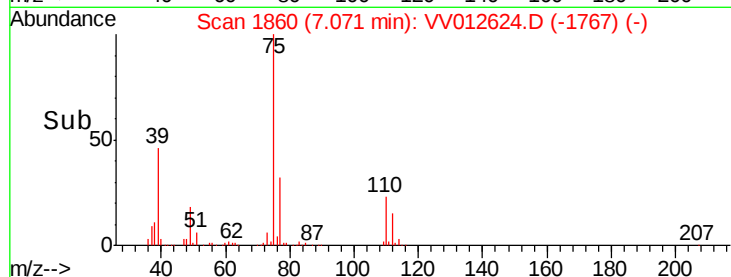
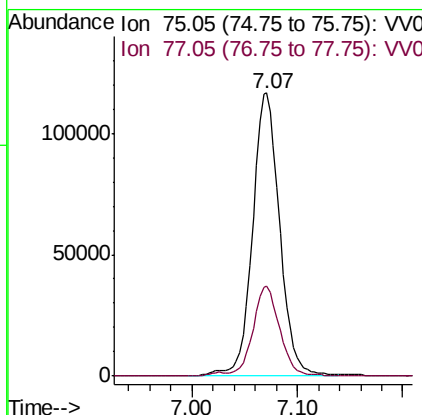
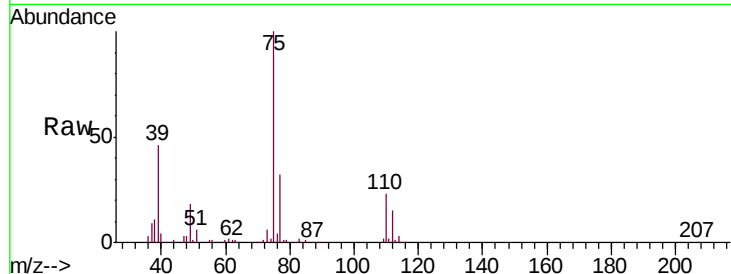




#39
 cis-1,3-Dichloropropene
 Concen: 5.000 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

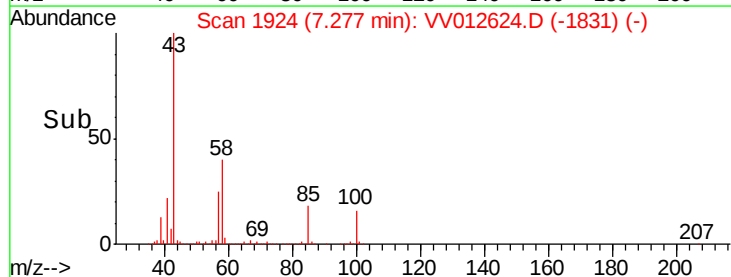
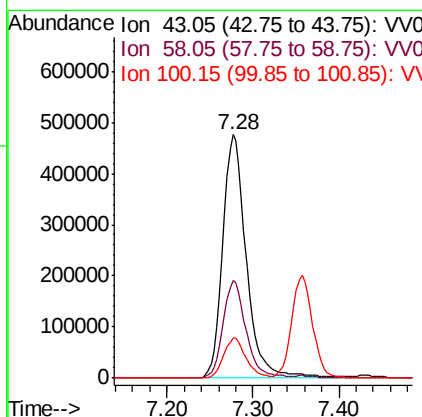
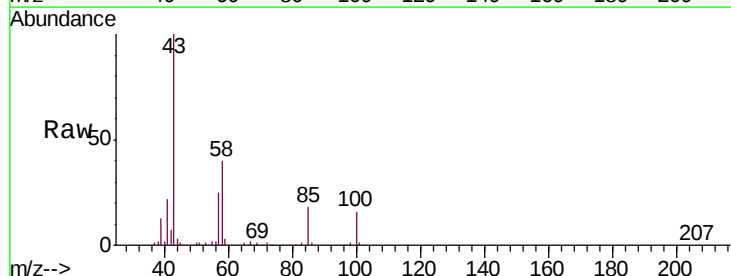
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00534

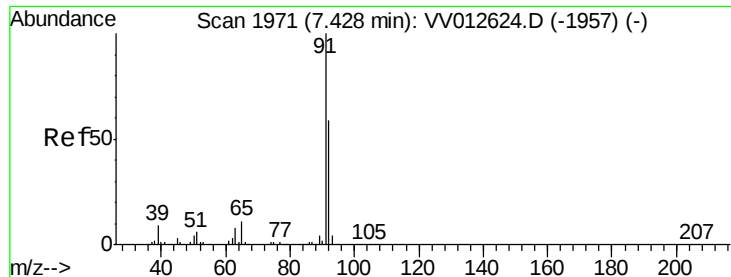
Tgt Ion: 75 Resp: 209707
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 50.000 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

Tgt Ion: 43 Resp: 906638
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.4 47.0
 100 15.7 12.6 18.8





#42

Toluene

Concen: 5.000 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

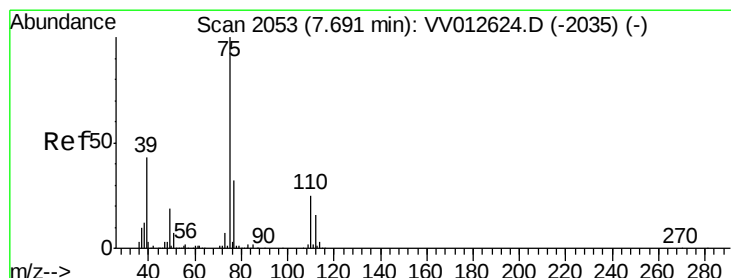
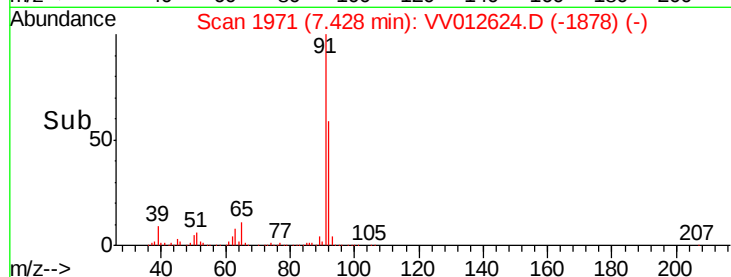
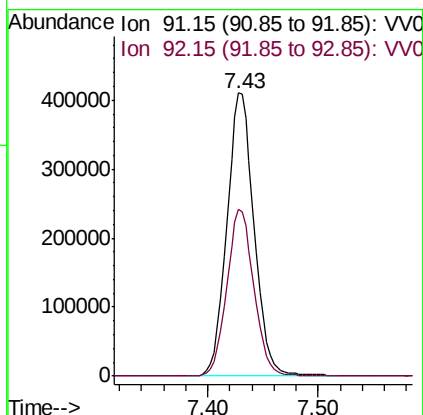
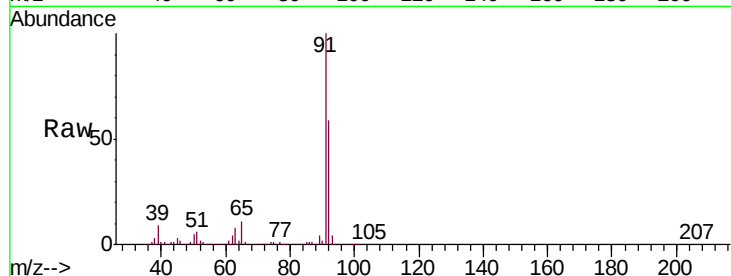
VSTD00534

Tgt Ion: 91 Resp: 700328

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.000 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012624.D

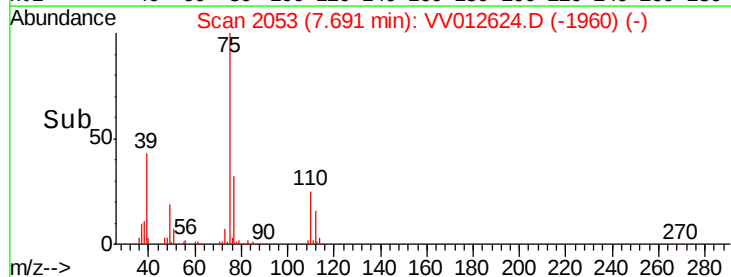
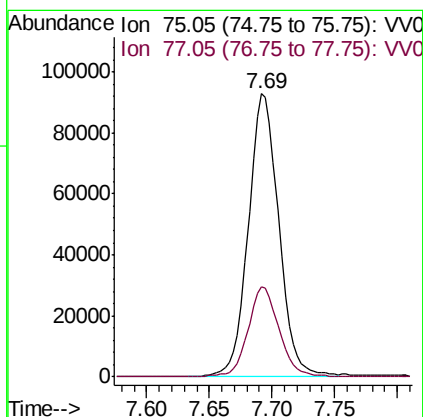
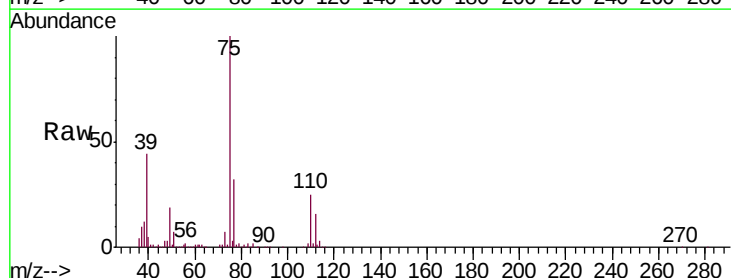
Acq: 09 Sep 2019 15:14

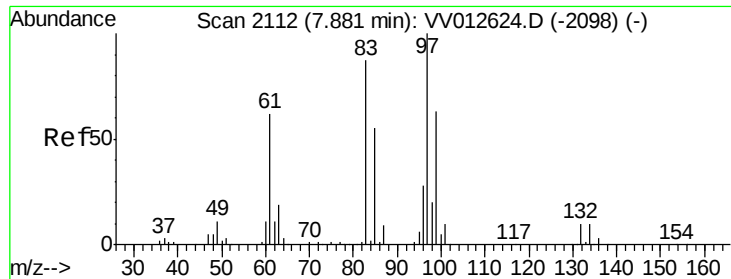
Tgt Ion: 75 Resp: 157818

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

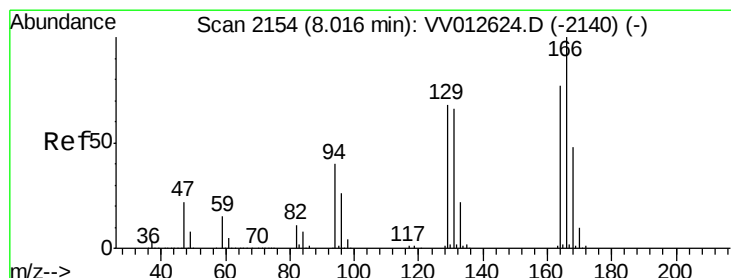
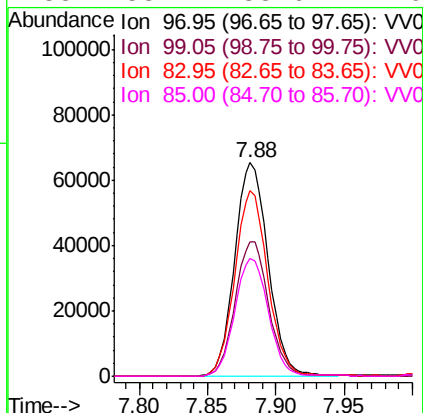
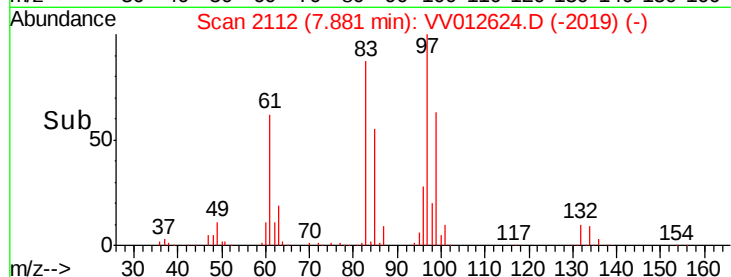
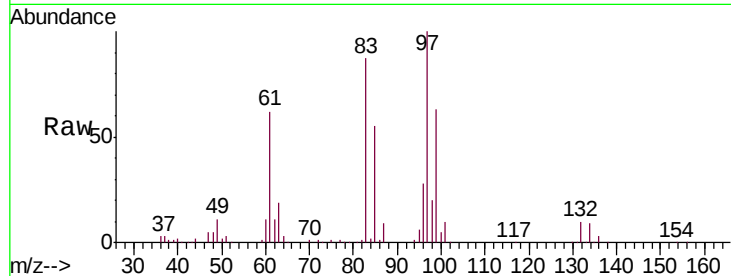




#45
 1,1,2-Trichloroethane
 Concen: 5.000 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

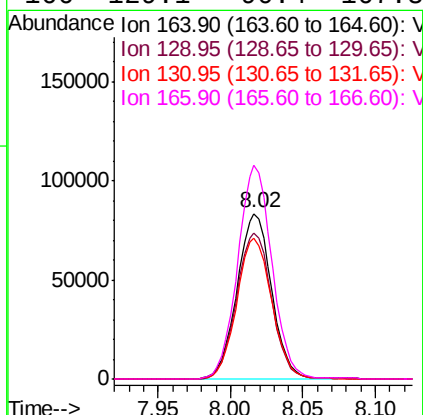
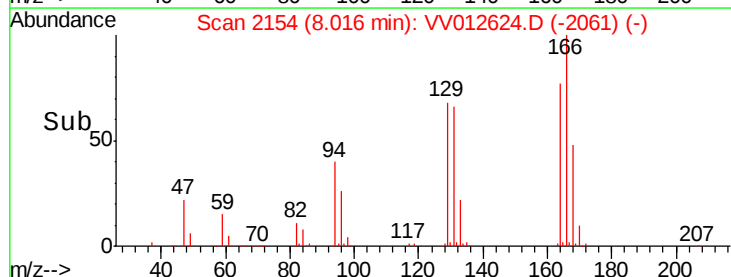
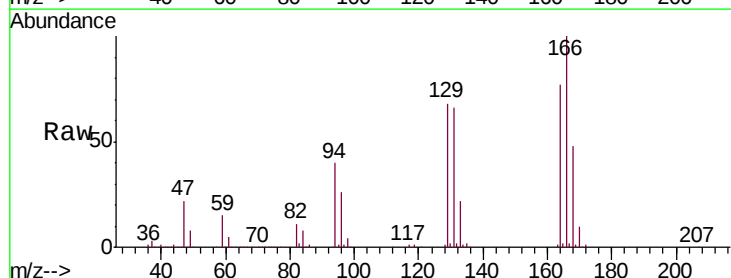
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

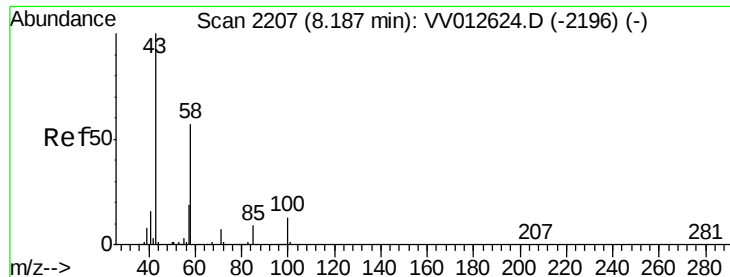
Tgt Ion:	97	Resp:	111684
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.0
83	86.8	60.8	112.8
85	55.1	38.6	71.6



#47
 Tetrachloroethene
 Concen: 5.000 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

Tgt Ion:	164	Resp:	137893
Ion	Ratio	Lower	Upper
164	100		
129	88.4	61.9	114.9
131	85.3	59.7	110.9
166	129.1	90.4	167.8

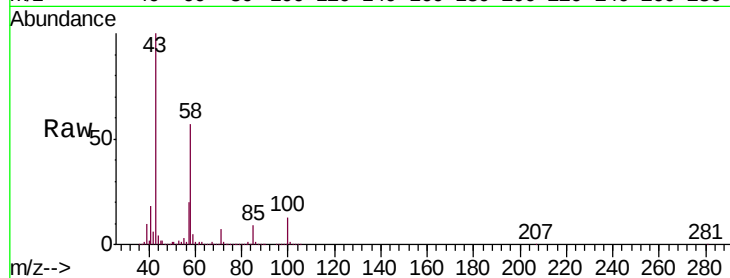




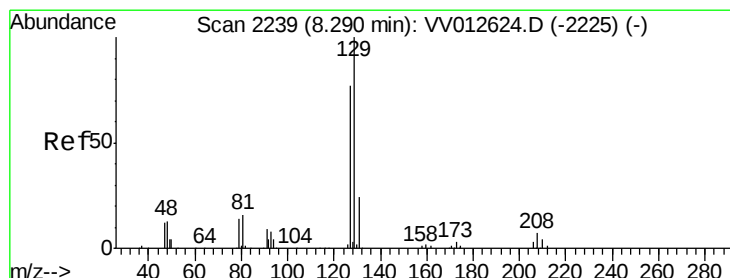
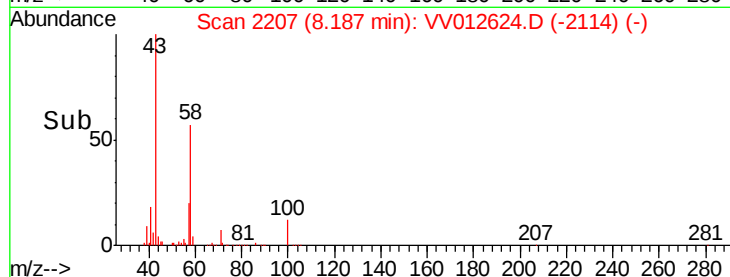
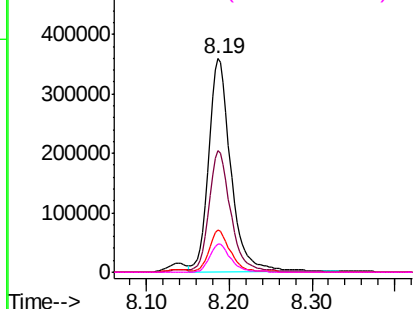
#48
2-Hexanone
Concen: 50.000 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Tgt Ion: 43 Resp: 674704
Ion Ratio Lower Upper
43 100
58 56.0 44.8 67.2
57 18.6 14.9 22.3
100 12.3 9.8 14.8

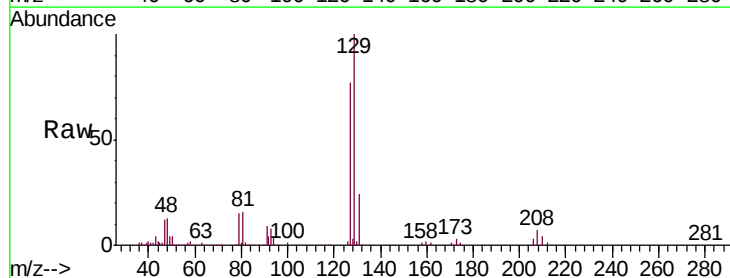


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

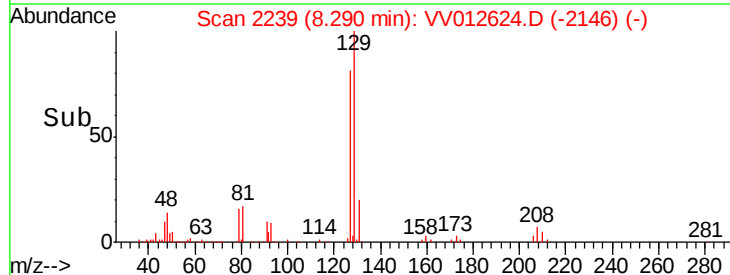
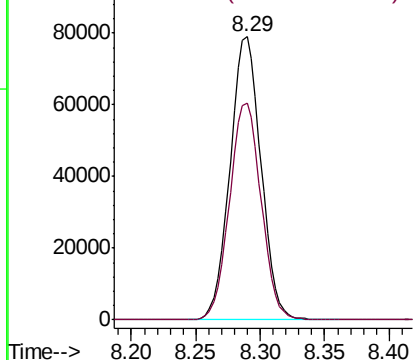


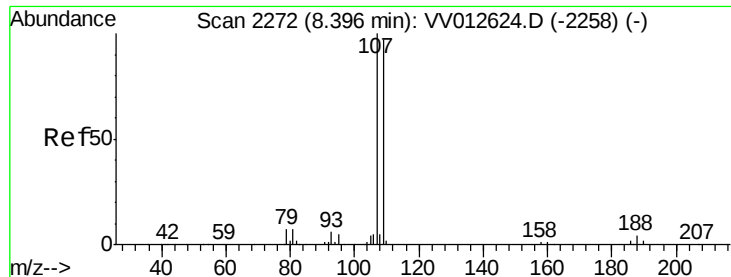
#49
Dibromochloromethane
Concen: 5.000 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Tgt Ion: 129 Resp: 131455
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

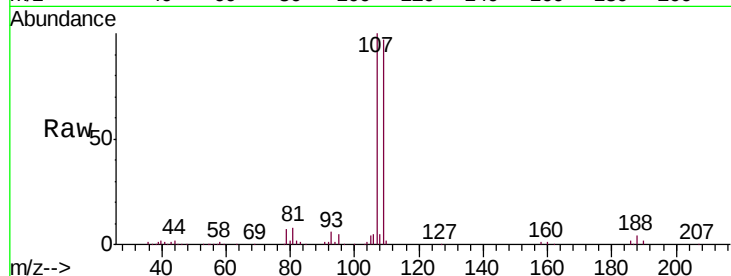




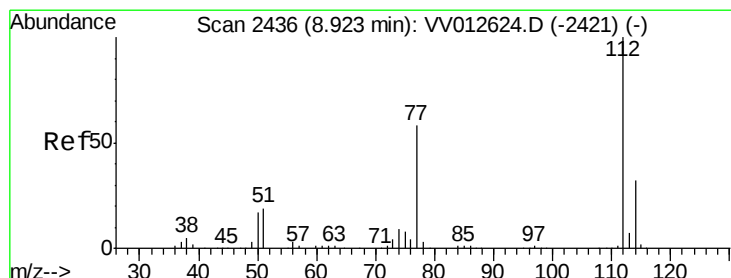
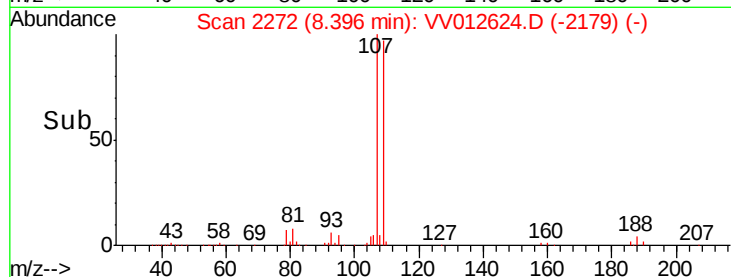
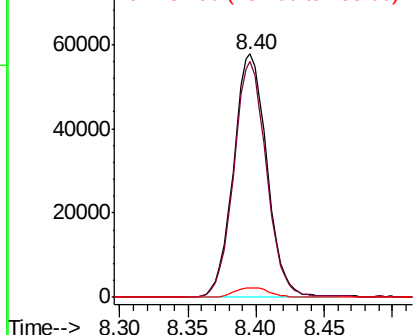
#50
1,2-Dibromoethane
Concen: 5.000 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Tgt Ion:107 Resp: 98442
Ion Ratio Lower Upper
107 100
109 96.7 67.7 125.7
188 4.1 3.3 4.9

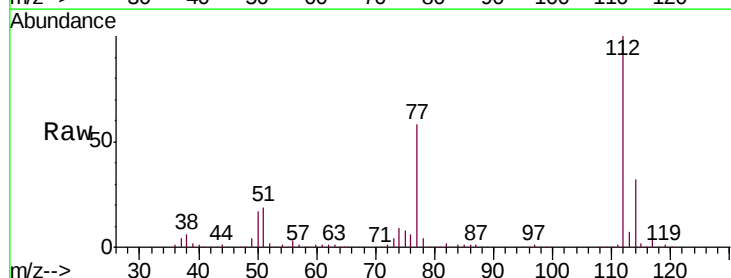


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

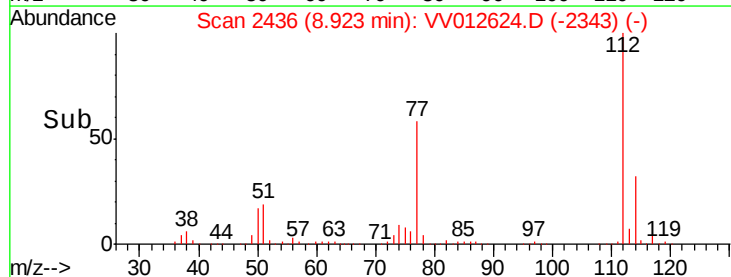
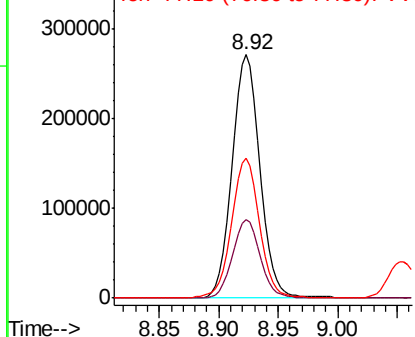


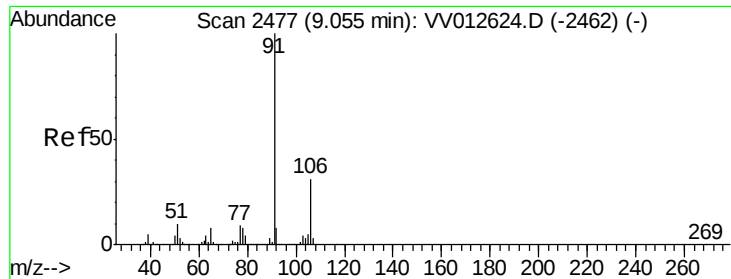
#51
Chlorobenzene
Concen: 5.000 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Tgt Ion:112 Resp: 440566
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 57.7 46.2 69.2



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: 5.000 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

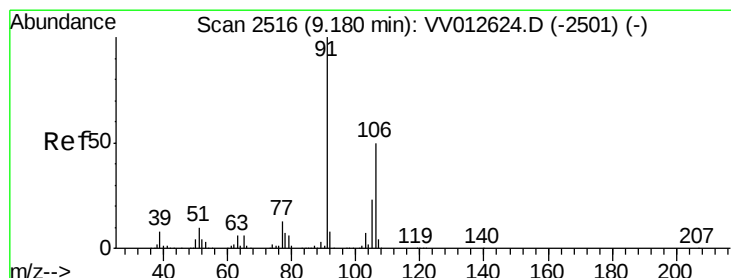
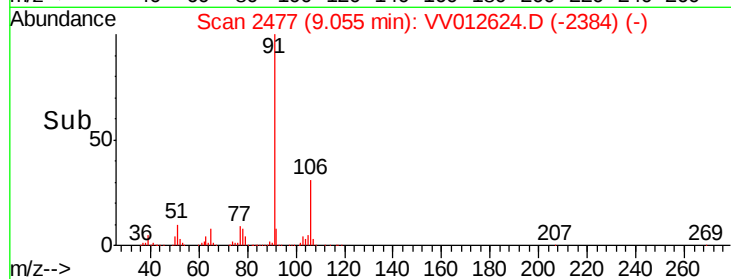
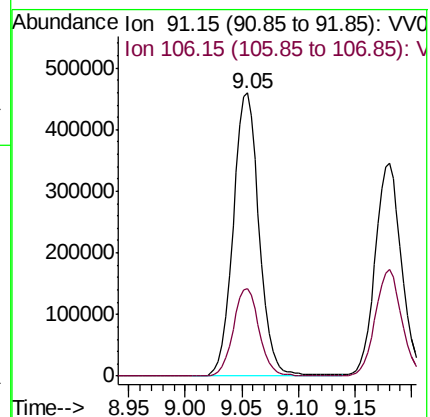
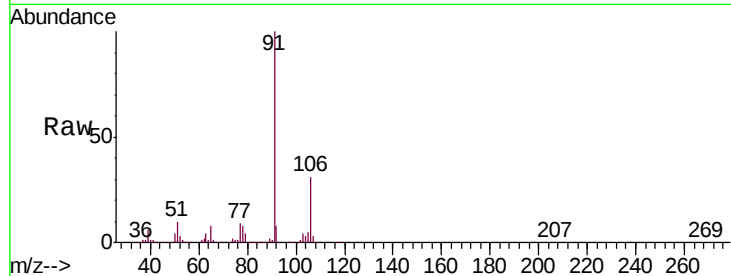
VSTD00534

Tgt Ion: 91 Resp: 731959

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-xylene

Concen: 5.000 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012624.D

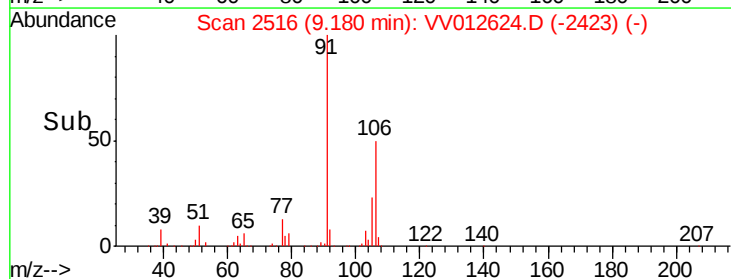
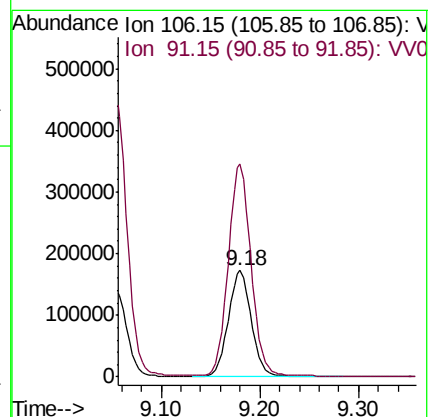
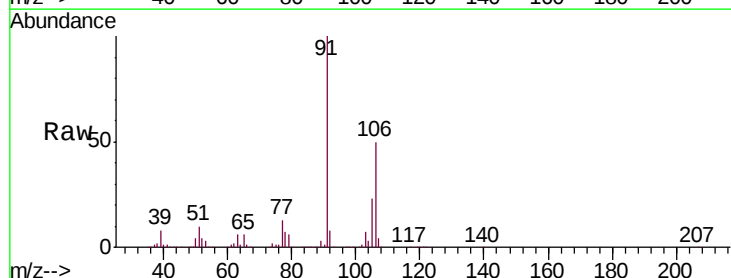
Acq: 09 Sep 2019 15:14

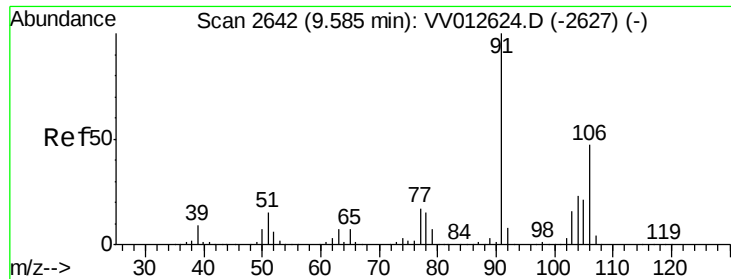
Tgt Ion: 106 Resp: 281658

Ion Ratio Lower Upper

106 100

91 200.0 140.0 260.0

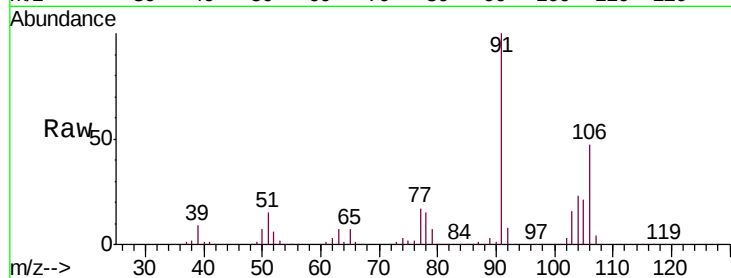




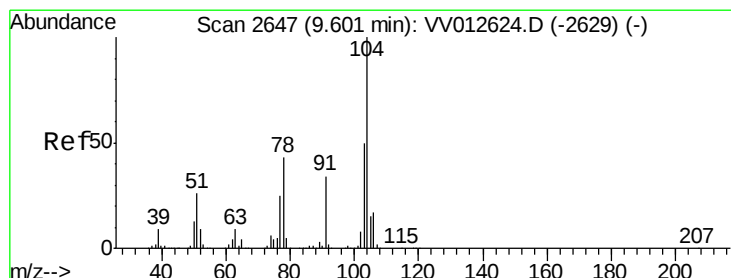
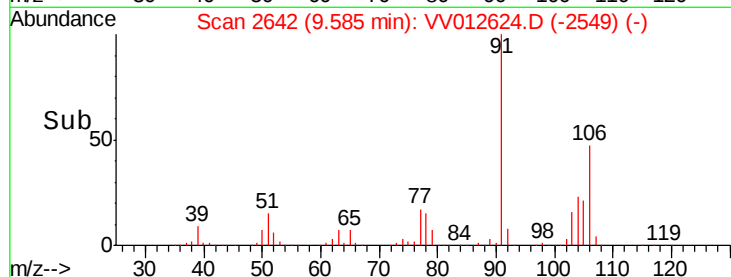
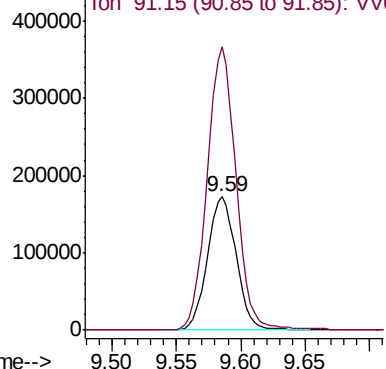
#54
o-xylene
Concen: 5.000 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Instrument :
MSVOA_V
ClientSampled :
VSTD00534

Tgt Ion:106 Resp: 268896
Ion Ratio Lower Upper
106 100
91 212.2 148.5 275.9

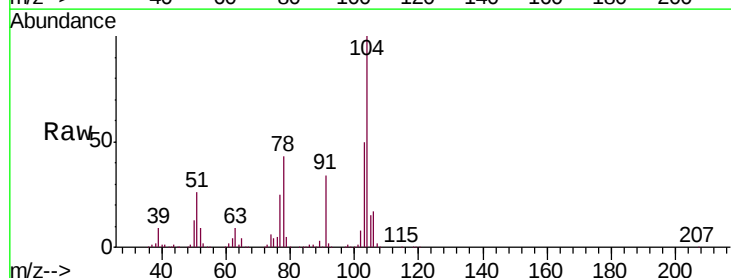


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

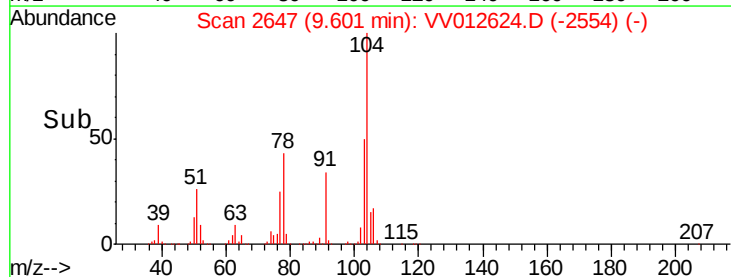
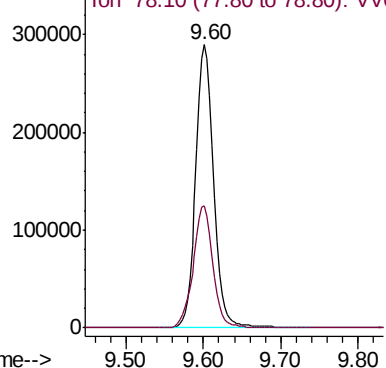


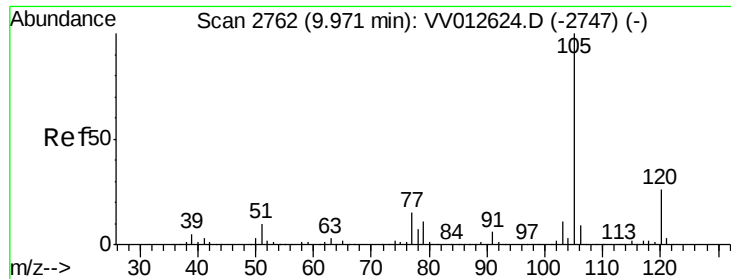
#55
Styrene
Concen: 5.000 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012624.D
Acq: 09 Sep 2019 15:14

Tgt Ion:104 Resp: 467099
Ion Ratio Lower Upper
104 100
78 43.1 30.2 56.0



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





#56

Isopropylbenzene

Concen: 5.000 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

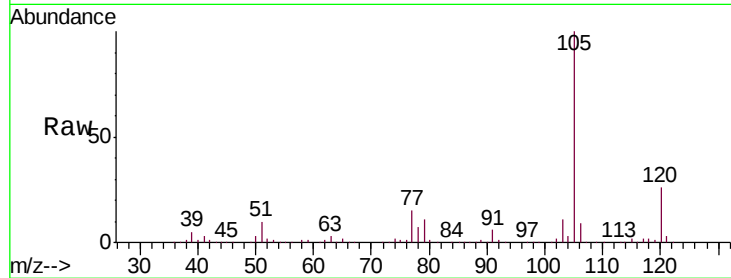
Tgt Ion: 105 Resp: 715286

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

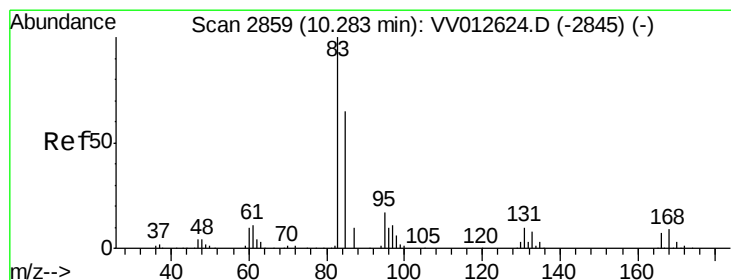
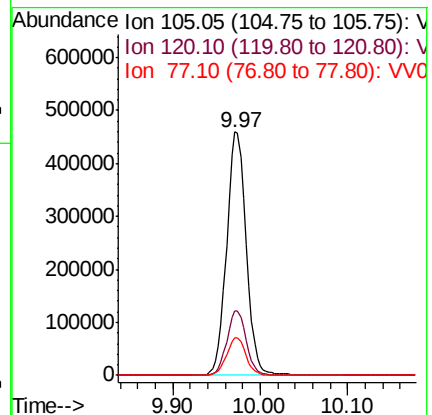
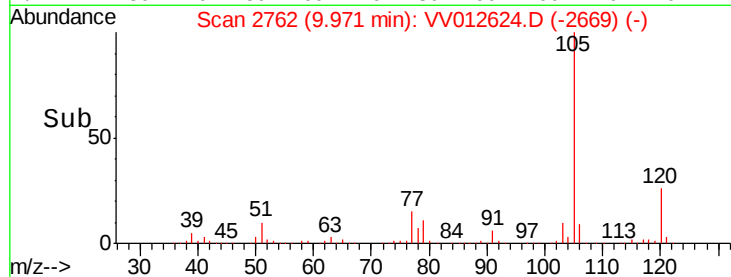
77 15.3 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

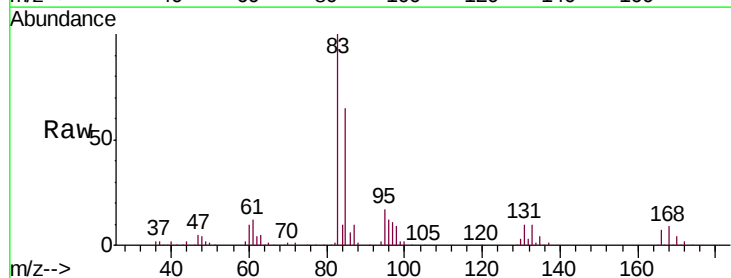
Tgt Ion: 83 Resp: 111196

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

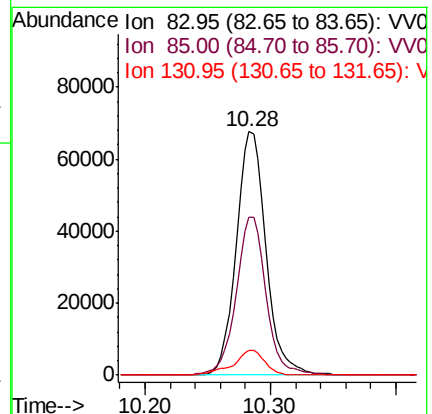
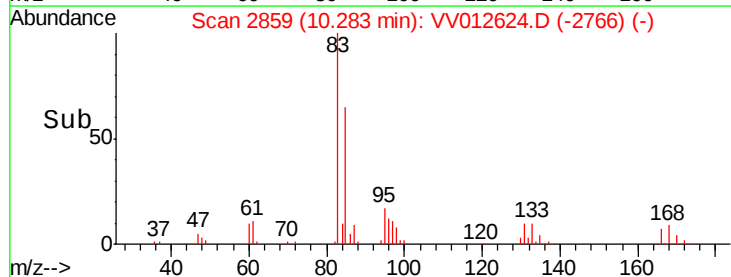
131 10.3 8.2 12.4

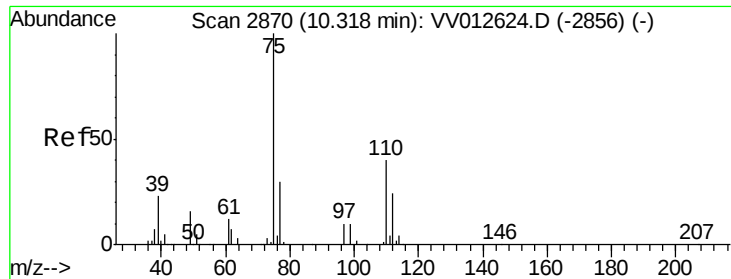


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

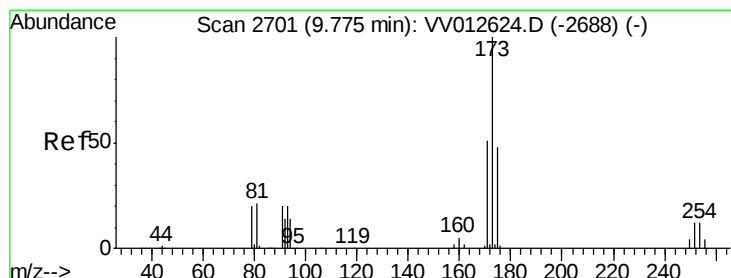
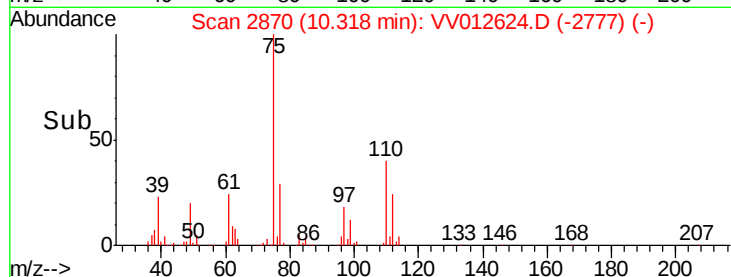
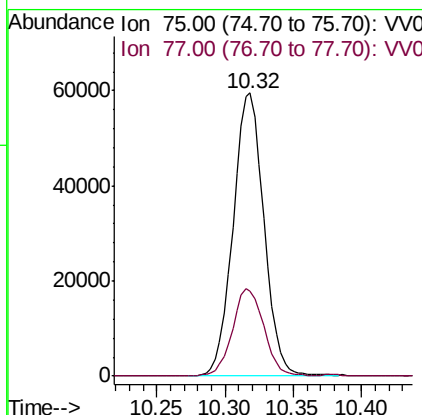
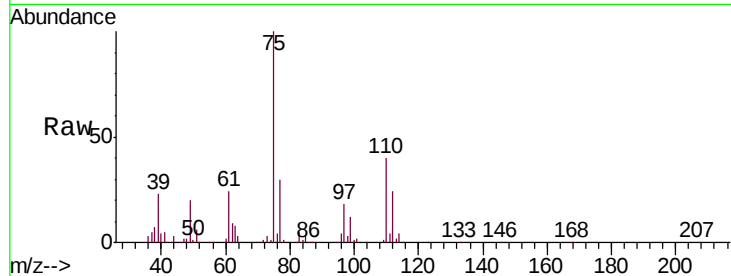




#59
 1,2,3-Trichloropropane
 Concen: 5.000 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

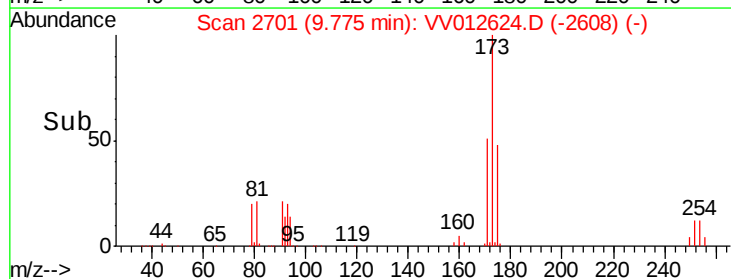
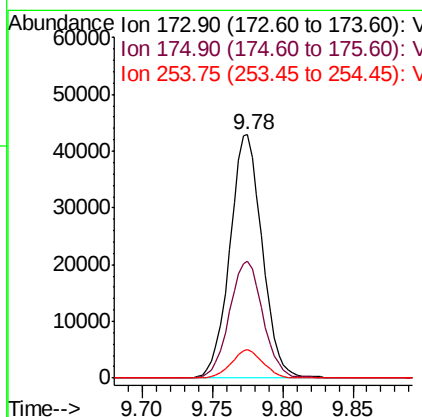
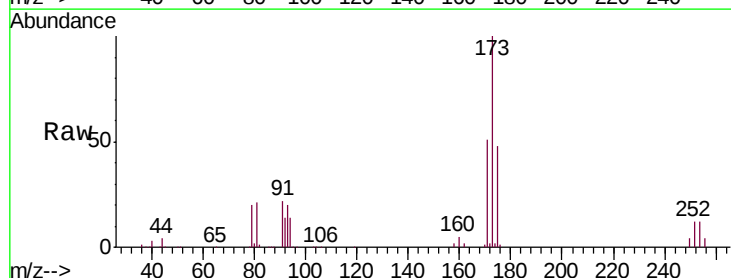
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

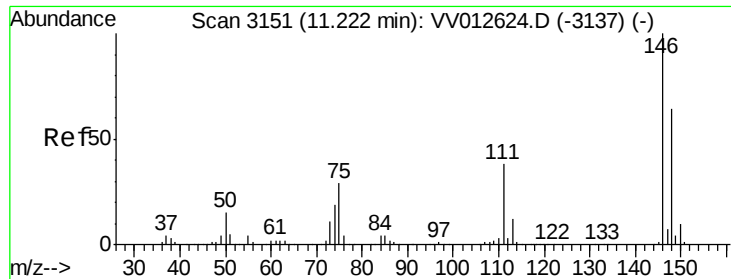
Tgt Ion: 75 Resp: 93553
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3



#61
 Bromoform
 Concen: 5.000 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

Tgt Ion: 173 Resp: 68920
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.8 59.6
 254 11.4 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

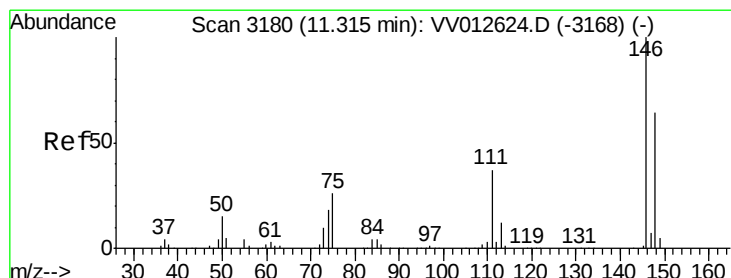
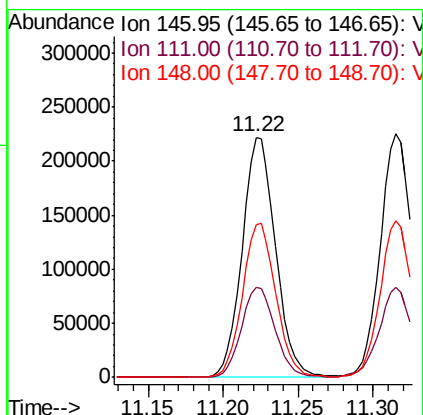
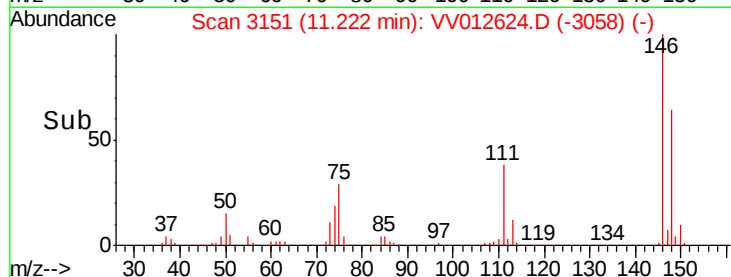
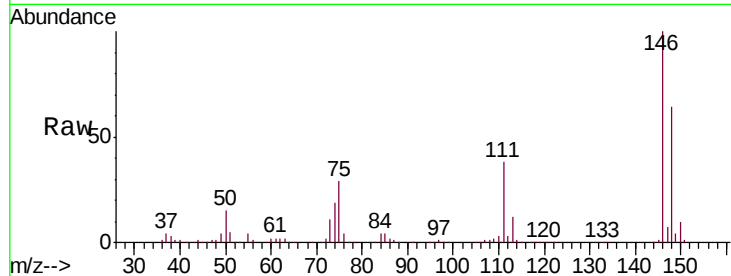
Tgt Ion:146 Resp: 345610

Ion Ratio Lower Upper

146 100

111 37.6 26.3 48.9

148 63.8 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

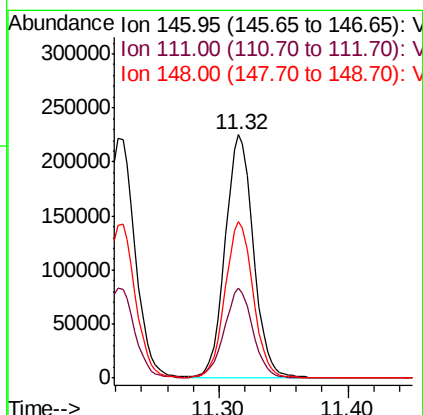
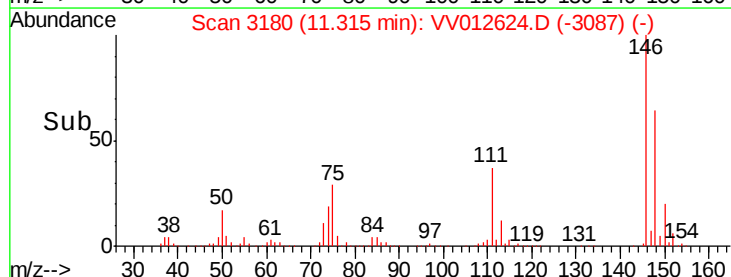
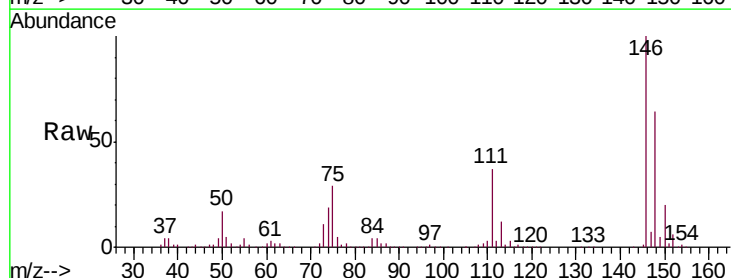
Tgt Ion:146 Resp: 340112

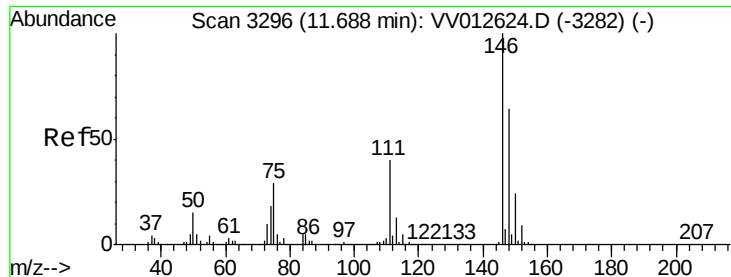
Ion Ratio Lower Upper

146 100

111 37.0 25.9 48.1

148 64.4 45.1 83.7

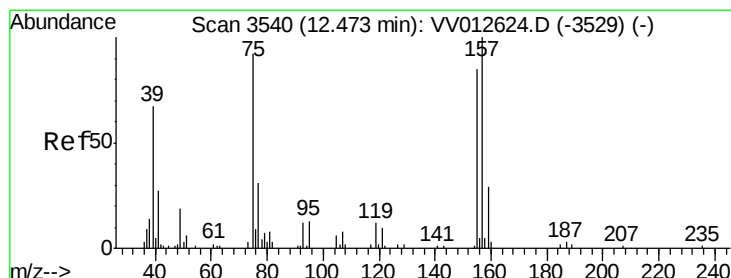
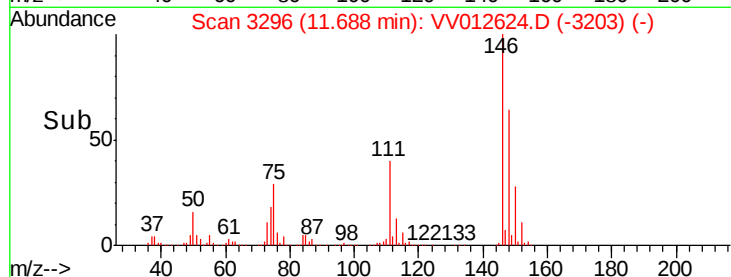
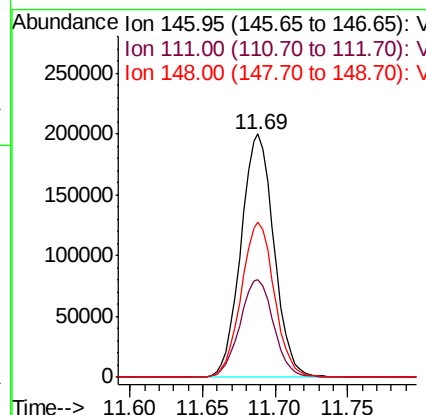
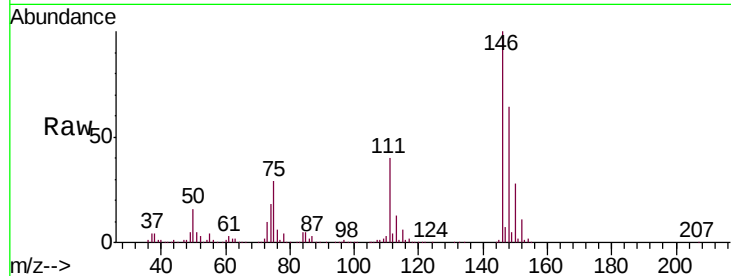




#65
 1,2-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

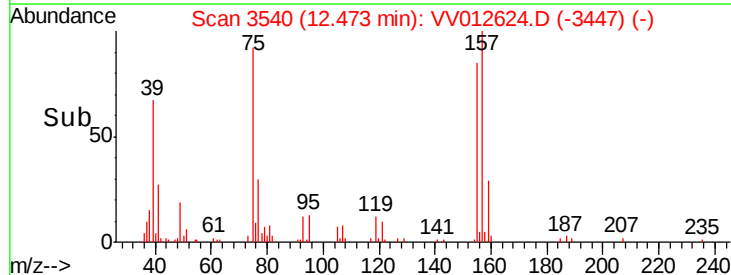
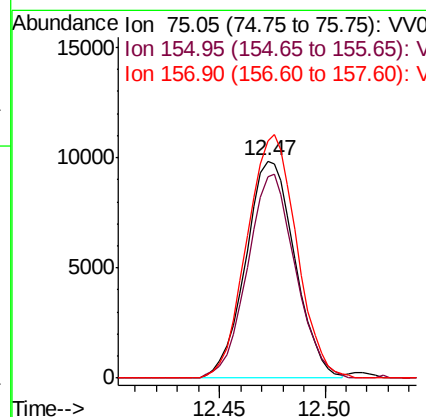
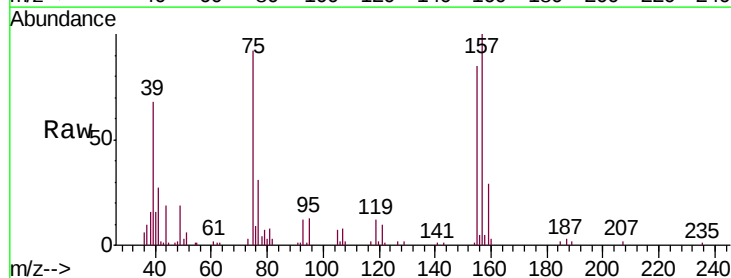
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00534

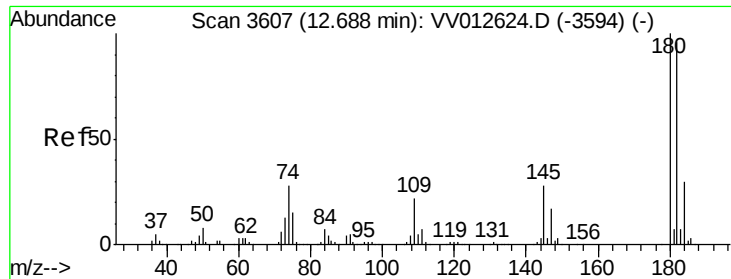
Tgt Ion: 146 Resp: 316595
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.2 48.4
 148 63.8 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.000 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

Tgt Ion: 75 Resp: 15945
 Ion Ratio Lower Upper
 75 100
 155 92.9 74.3 111.5
 157 109.2 87.4 131.0

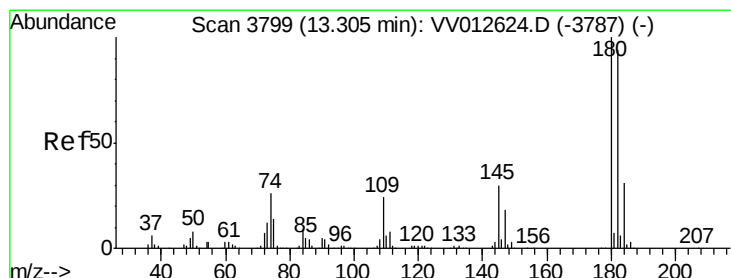
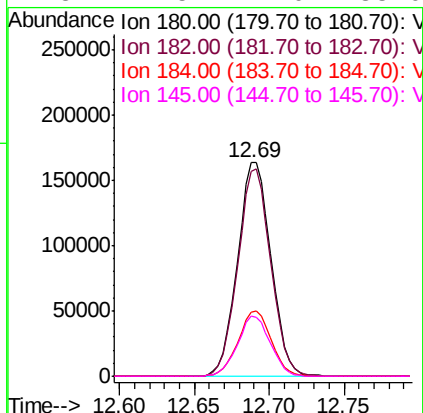
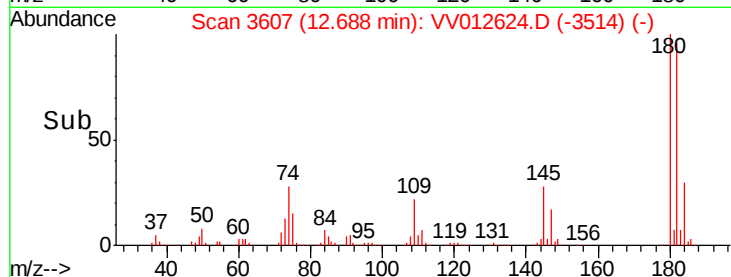
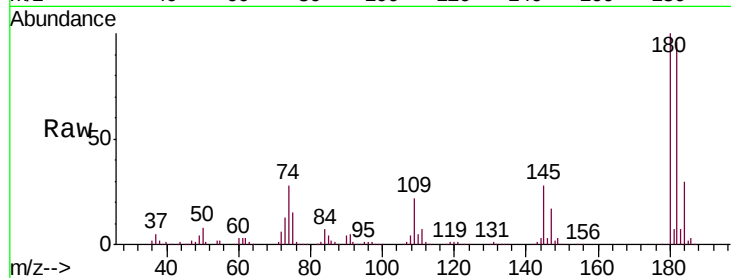




#67
 1,3,5-Trichlorobenzene
 Concen: 5.000 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

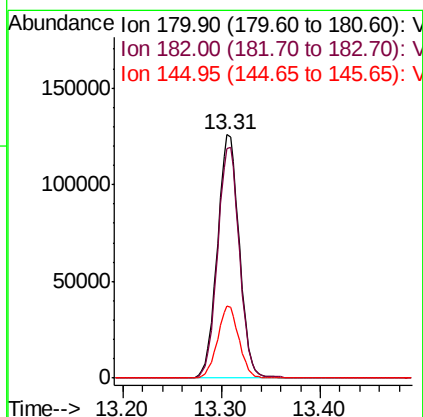
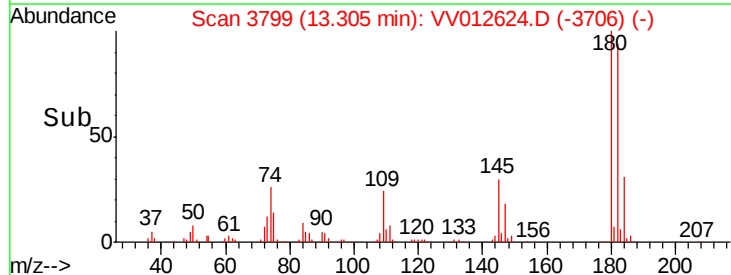
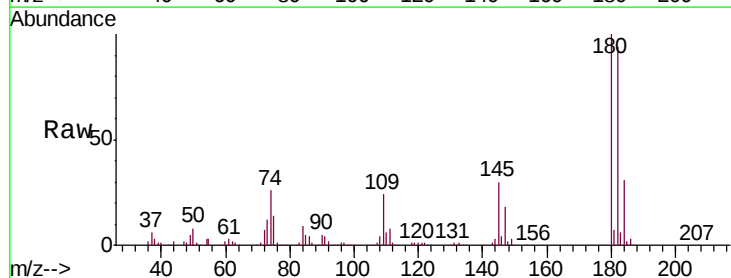
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

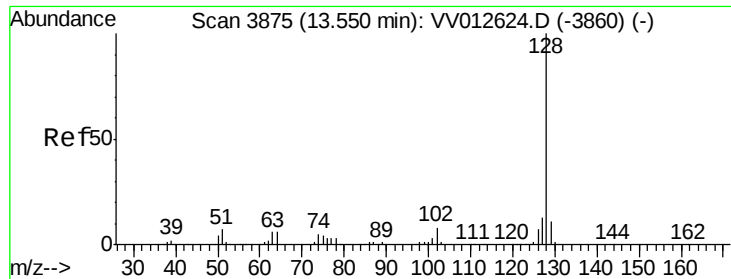
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	30.4	24.3	36.5
145	27.5	22.0	33.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012624.D
 Acq: 09 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	29.0	23.2	34.8





#69

Naphthalene

Concen: 5.000 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

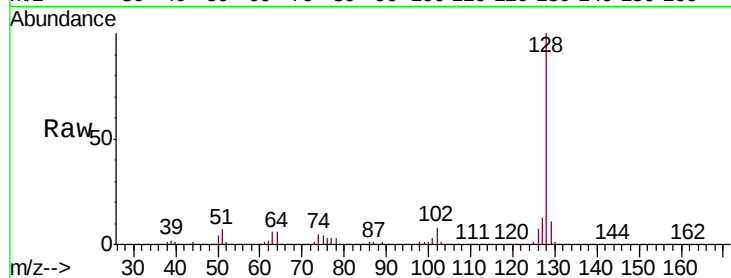
Tgt Ion:128 Resp: 292008

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

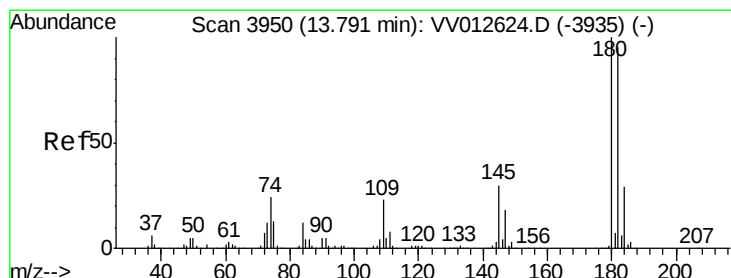
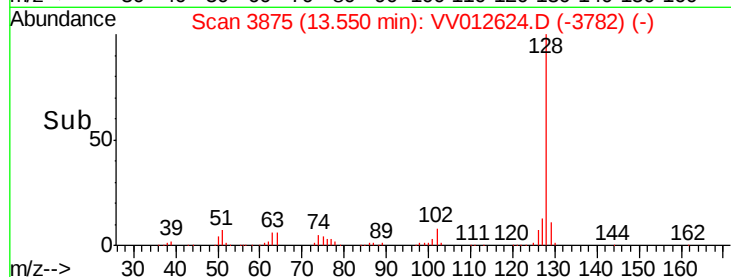
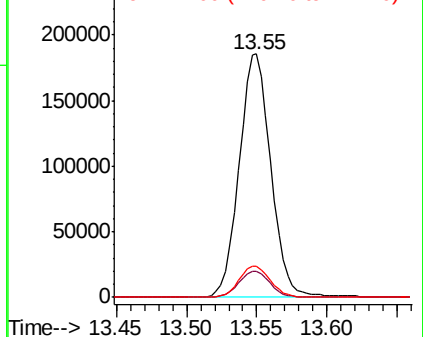
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.000 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012624.D

Acq: 09 Sep 2019 15:14

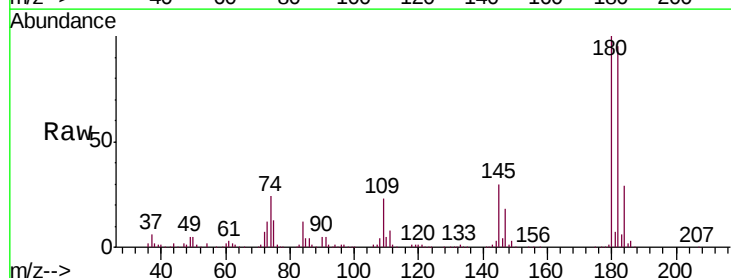
Tgt Ion:180 Resp: 191768

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 30.6 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

