

Data File : VV014722.D
Acq On : 28 Feb 2020 21:17
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Quant Time: Feb 28 23:41:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 28 23:36:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	270106	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	260872	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	134648	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102628	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	80235	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.13	63	173114	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	3.98	46	222396	50.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.76%
24) Chloroform-d	4.40	84	188941	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.08	65	94720	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.09	84	372819	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.11	67	116257	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.35	98	345374	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.66	79	43872	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.13	63	179165	48.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.78%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	84065	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	123038	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	138554	4.670 ug/L	99
3) Chloromethane	1.25	50	126697	4.638 ug/L	99
5) Vinyl chloride	1.32	62	117724	4.687 ug/L	99
6) Bromomethane	1.53	94	68214	4.821 ug/L	96
8) Chloroethane	1.60	64	65161	4.632 ug/L	98
9) Trichlorofluoromethane	1.77	101	164208	4.800 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	85345	4.767 ug/L	96
12) 1,1-Dichloroethene	2.14	96	81703	4.800 ug/L	99
13) Acetone	2.24	43	116870	39.732 ug/L	98
14) Carbon disulfide	2.31	76	243042	4.188 ug/L	99
15) Methyl Acetate	2.48	43	31940	4.279 ug/L #	91
16) Methylene chloride	2.53	84	100394	4.716 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	221027	4.773 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	96527	4.691 ug/L	97
19) 1,1-Dichloroethane	3.23	63	193654	4.811 ug/L	99
21) 2-Butanone	4.06	43	245047	48.948 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	106444	4.840 ug/L	98

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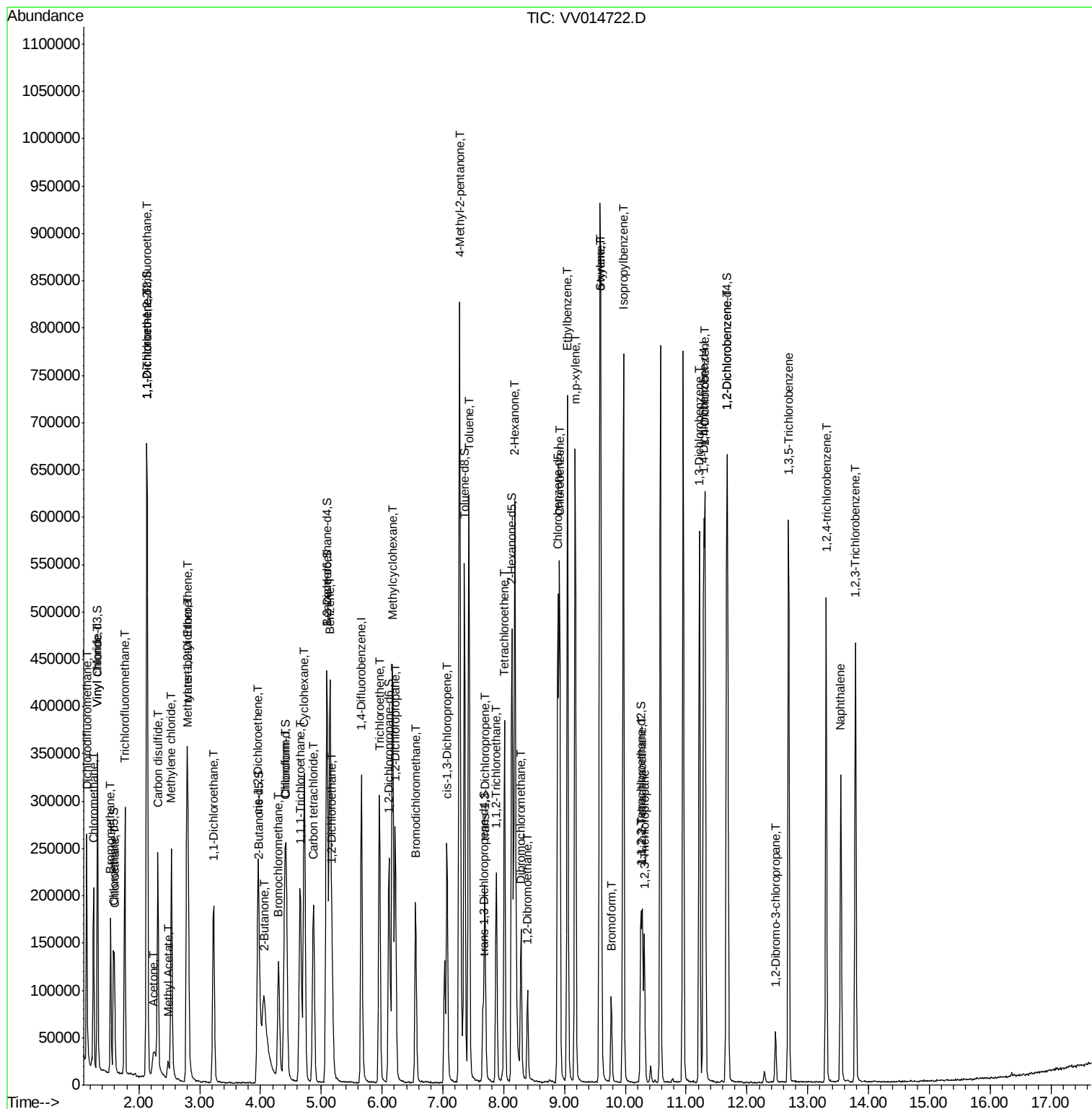
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	42543	4.820	ug/L	97
25) Chloroform	4.42	83	185954	4.707	ug/L	99
27) 1,2-Dichloroethane	5.18	62	115580	4.778	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	162741	4.732	ug/L	100
30) Cyclohexane	4.72	56	183163	4.731	ug/L	100
31) Carbon tetrachloride	4.87	117	143809	4.854	ug/L	97
33) Benzene	5.14	78	417779	4.877	ug/L	100
34) Trichloroethene	5.96	95	105925	4.721	ug/L	96
35) Methylcyclohexane	6.17	83	179247	4.697	ug/L	100
37) 1,2-Dichloropropane	6.22	63	104275	4.766	ug/L	100
38) Bromodichloromethane	6.55	83	128409	4.811	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	152985	4.826	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	647958	49.453	ug/L	100
42) Toluene	7.43	91	444437	4.900	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	116966	4.756	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	67951	4.864	ug/L	98
47) Tetrachloroethene	8.01	164	85477	4.764	ug/L	98
48) 2-Hexanone	8.18	43	465730	49.887	ug/L	99
49) Dibromochloromethane	8.29	129	78435	4.966	ug/L	97
50) 1,2-Dibromoethane	8.39	107	64284	4.821	ug/L	96
51) Chlorobenzene	8.92	112	276452	4.813	ug/L	99
52) Ethylbenzene	9.05	91	499162	4.853	ug/L	100
53) m,p-xylene	9.17	106	182912	4.858	ug/L	99
54) o-xylene	9.58	106	177024	4.829	ug/L	98
55) Styrene	9.60	104	300151	4.874	ug/L	97
56) Isopropylbenzene	9.97	105	479476	4.842	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	86395	4.946	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	62010	4.852	ug/L	98
61) Bromoform	9.77	173	40721	5.139	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	223845	4.863	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	221576	4.711	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	199123	4.682	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	13284	4.720	ug/L	90
67) 1,3,5-Trichlorobenzene	12.68	180	179580	4.807	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	152873	4.766	ug/L	99
69) Naphthalene	13.54	128	249376	4.775	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	137496	4.803	ug/L	99

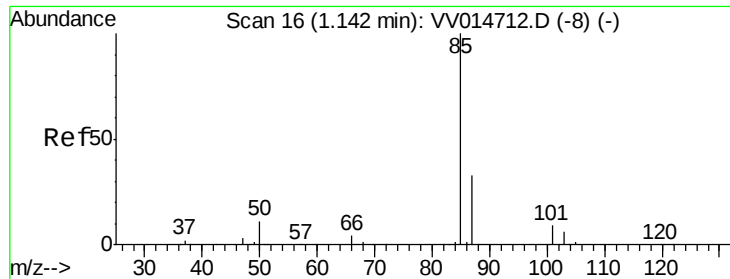
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.670 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampled :

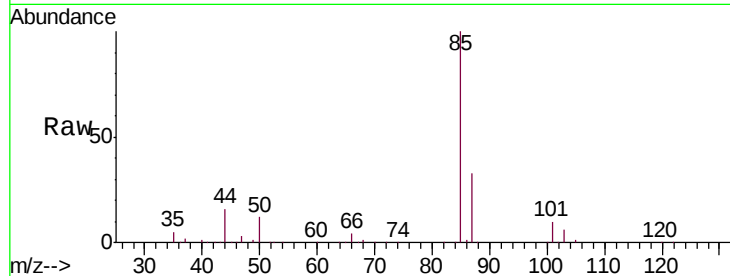
VSTD00556

Tgt Ion: 85 Resp: 138554

Ion Ratio Lower Upper

85 100

87 33.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014712.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014712.D (-8) (-)

1.14

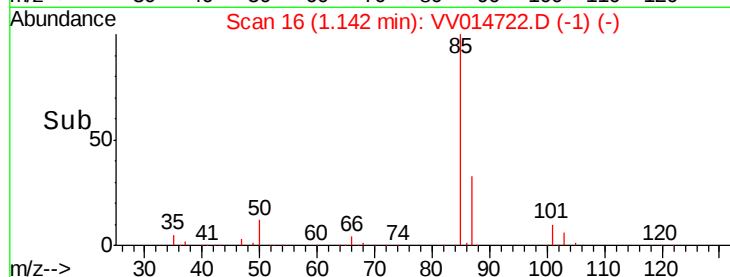
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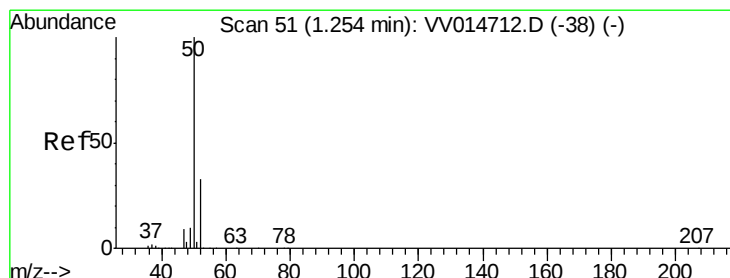
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.638 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014722.D

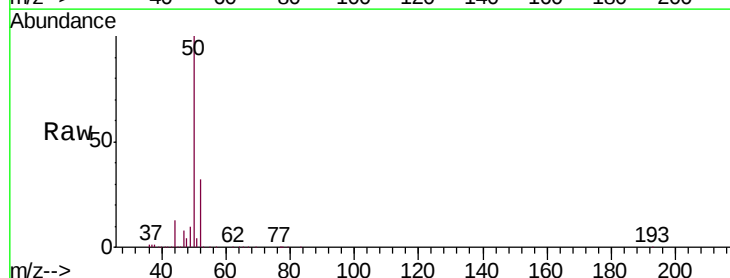
Acq: 28 Feb 2020 21:17

Tgt Ion: 50 Resp: 126697

Ion Ratio Lower Upper

50 100

52 32.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014712.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV014712.D (-38) (-)

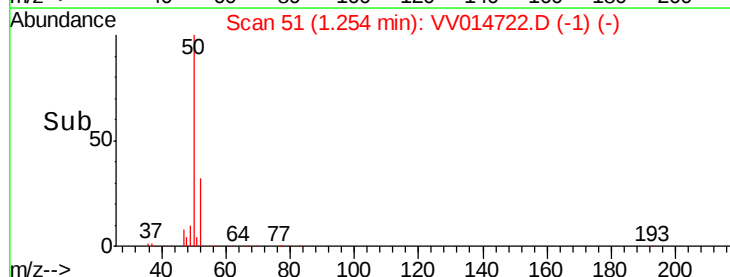
1.25

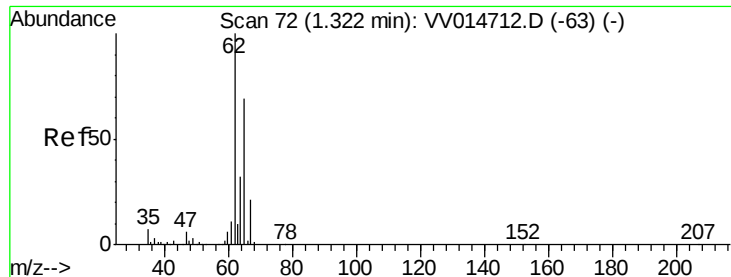
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.687 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

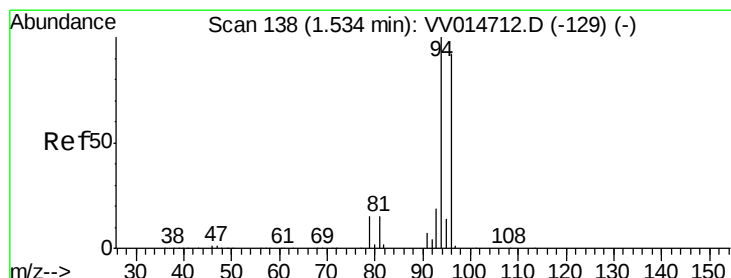
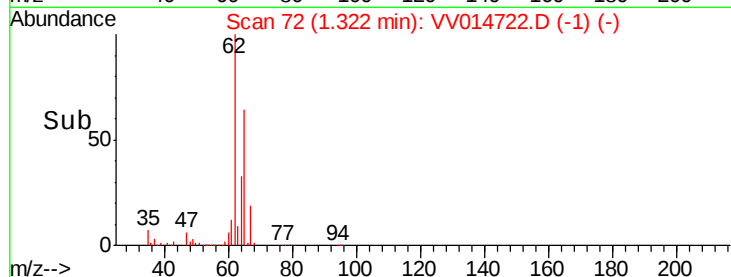
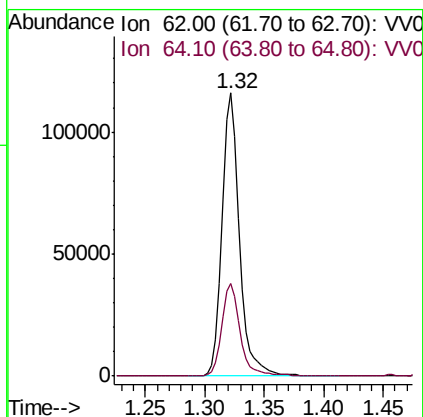
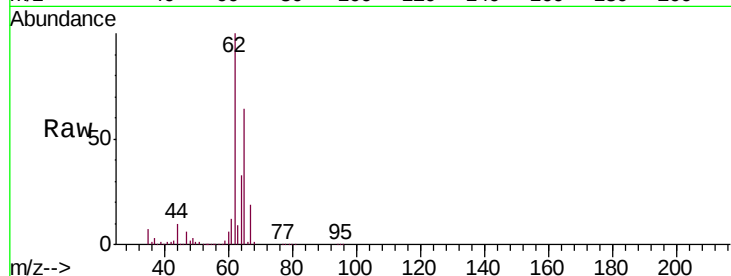
VSTD00556

Tgt Ion: 62 Resp: 117724

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



#6

Bromomethane

Concen: 4.821 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014722.D

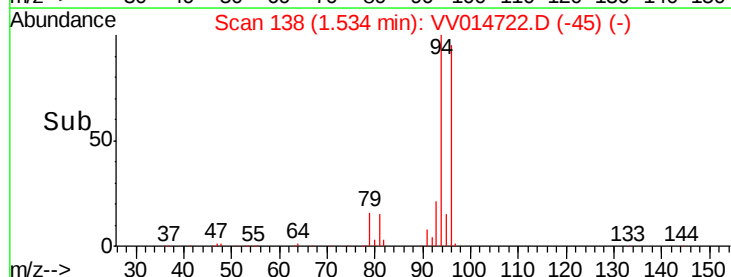
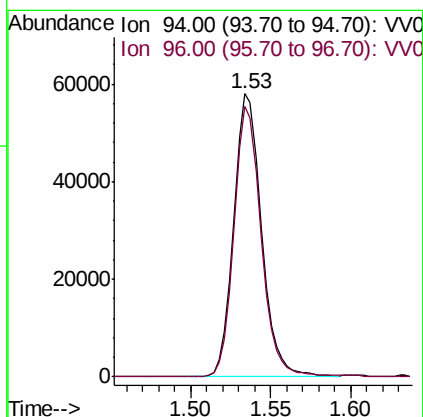
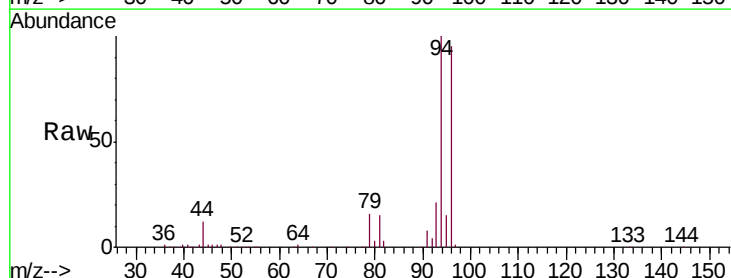
Acq: 28 Feb 2020 21:17

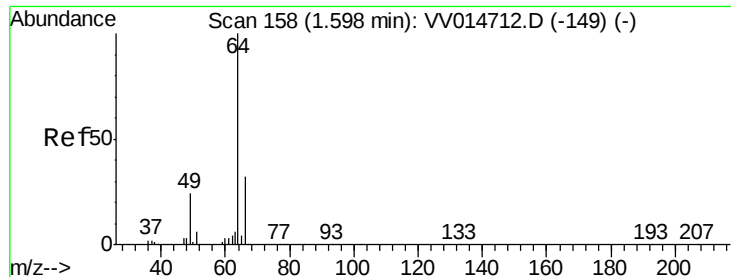
Tgt Ion: 94 Resp: 68214

Ion Ratio Lower Upper

94 100

96 95.4 64.3 119.5





#8

Chloroethane

Concen: 4.632 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

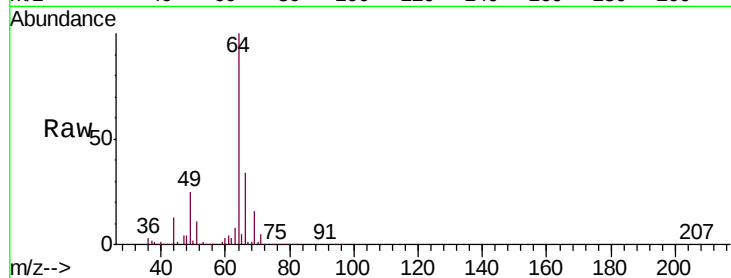
VSTD00556

Tgt Ion: 64 Resp: 65161

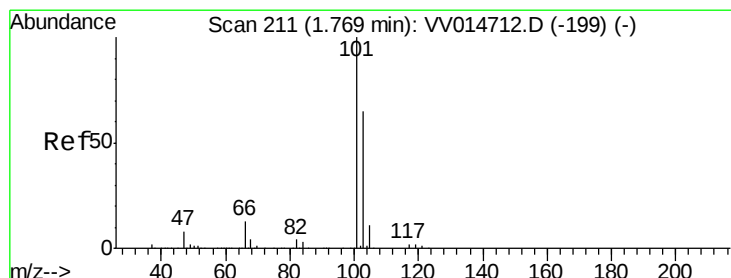
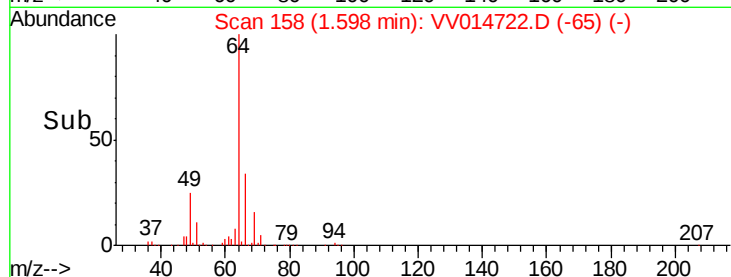
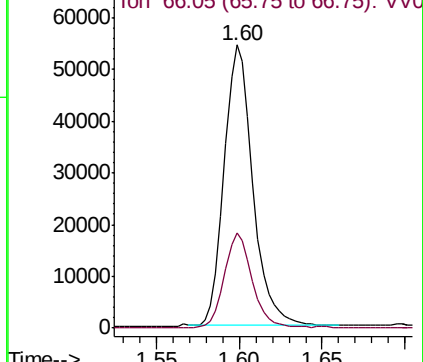
Ion Ratio Lower Upper

64 100

66 33.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VV014722.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 4.800 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014722.D

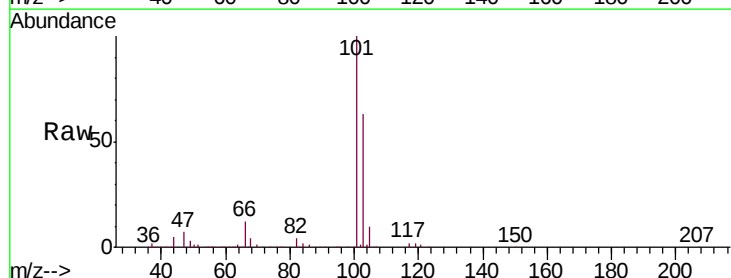
Acq: 28 Feb 2020 21:17

Tgt Ion: 101 Resp: 164208

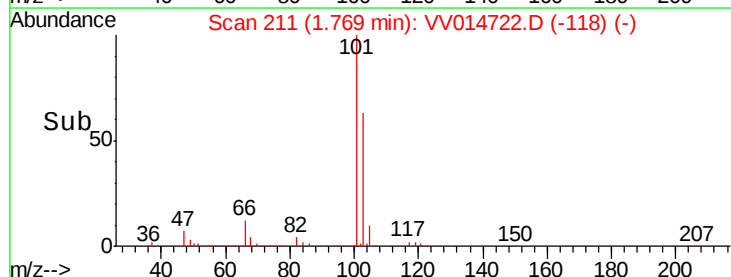
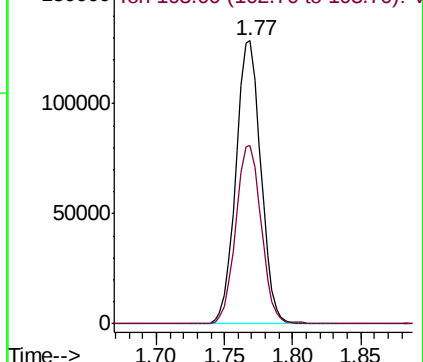
Ion Ratio Lower Upper

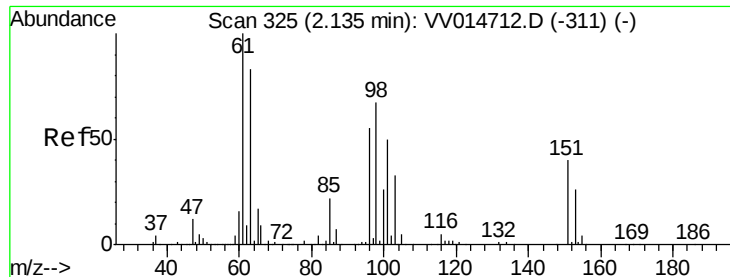
101 100

103 64.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014722.D (-199) (-)





#10

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

Concen: 4.767 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014722.D

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ClientSampleId :

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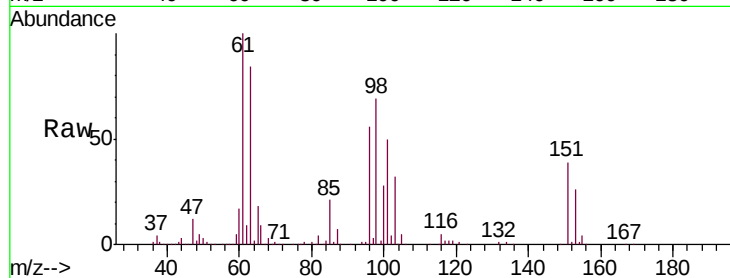
Tgt Ion: 101 Resp: 85345

Ion Ratio Lower Upper

101 100

85 42.6 35.3 52.9

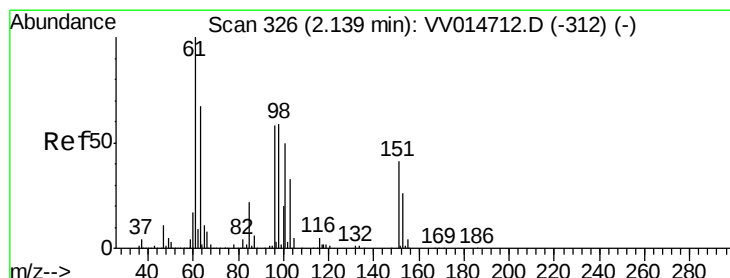
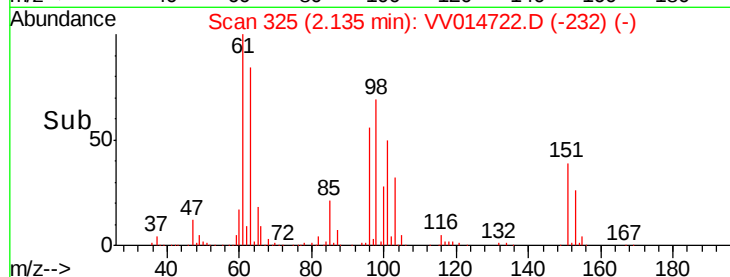
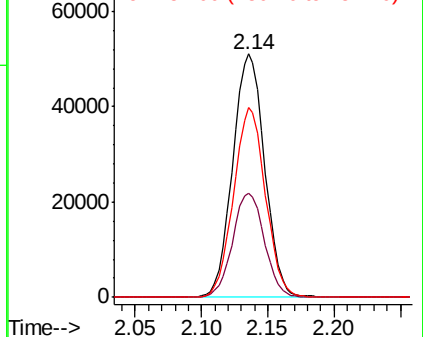
151 77.8 65.3 97.9



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: 4.800 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

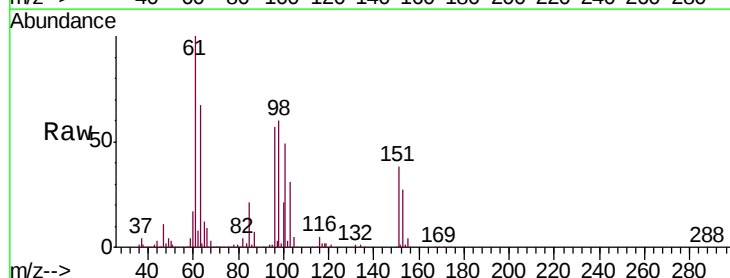
Tgt Ion: 96 Resp: 81703

Ion Ratio Lower Upper

96 100

61 175.3 121.3 225.3

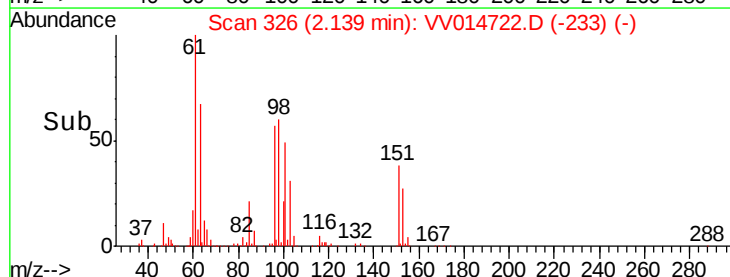
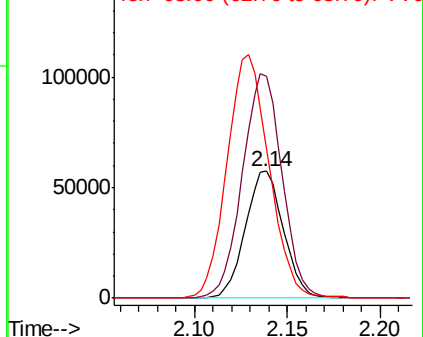
63 117.0 81.6 151.6

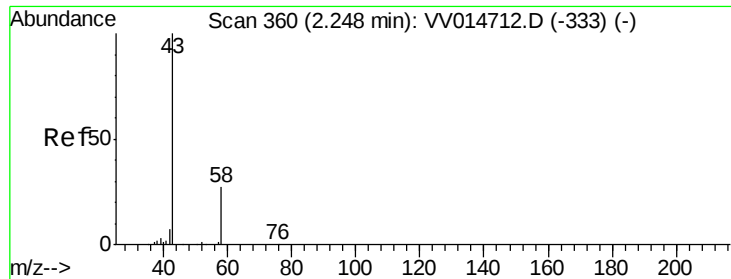


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 39.732 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.00 min

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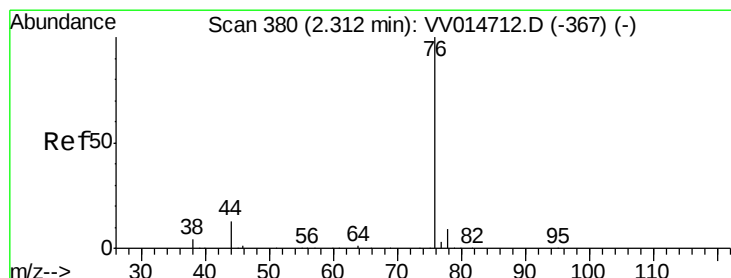
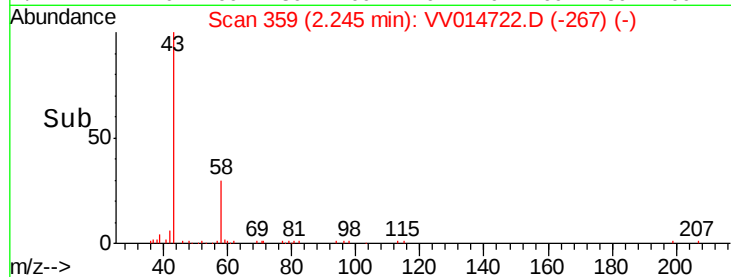
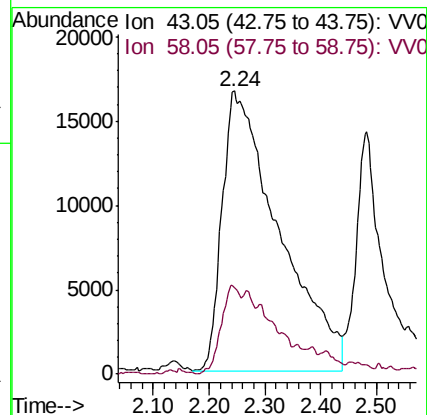
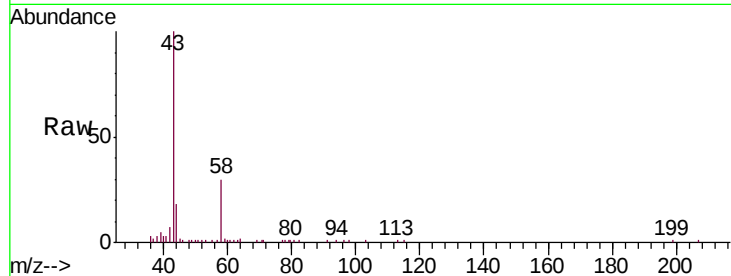
VSTD00556

Tgt Ion: 43 Resp: 116870

Ion Ratio Lower Upper

43 100

58 10.7 0.0 20.0



#14

Carbon disulfide

Concen: 4.188 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014722.D

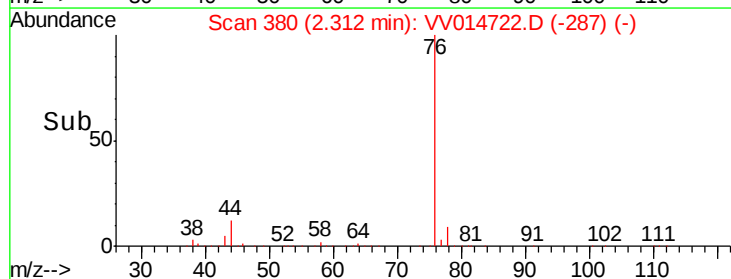
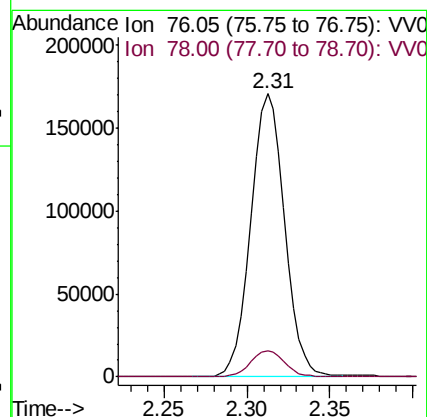
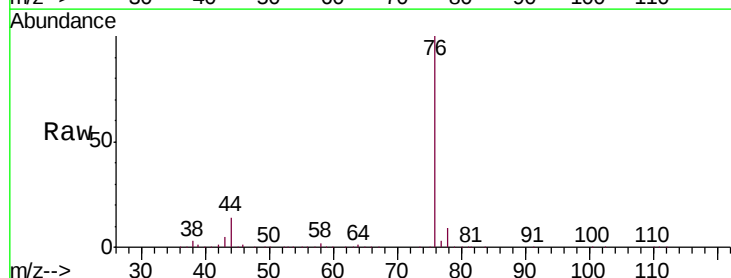
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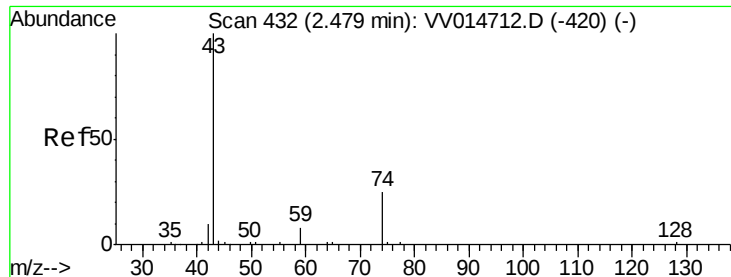
Tgt Ion: 76 Resp: 243042

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methyl Acetate

Concen: 4.279 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.00 min

Lab File: VV014722.D

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MSVOA_V

ClientSampleId :

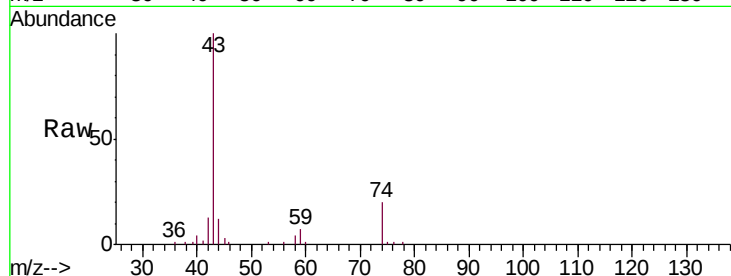
VSTD00556

Tgt Ion: 43 Resp: 31940

Ion Ratio Lower Upper

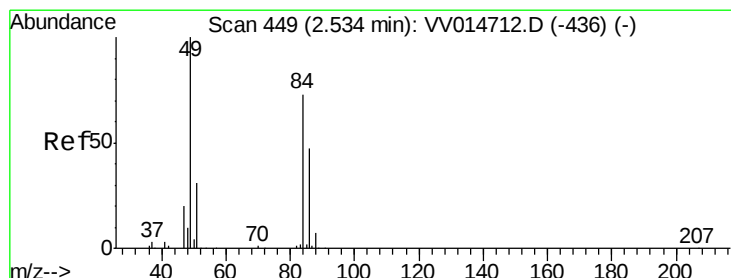
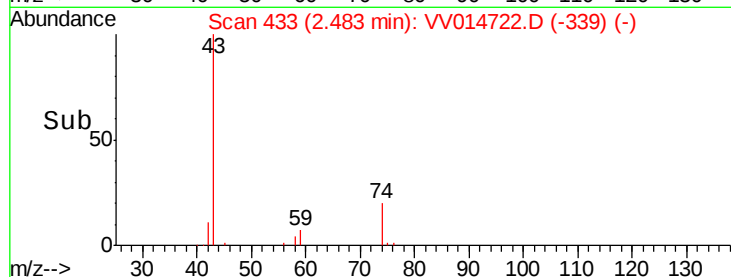
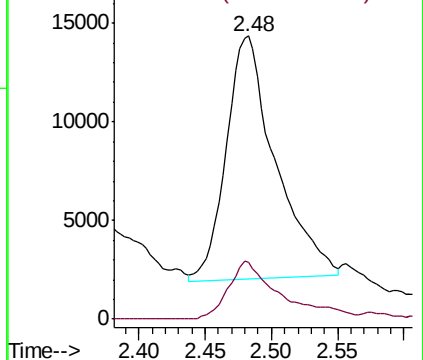
43 100

74 22.7 14.8 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.716 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

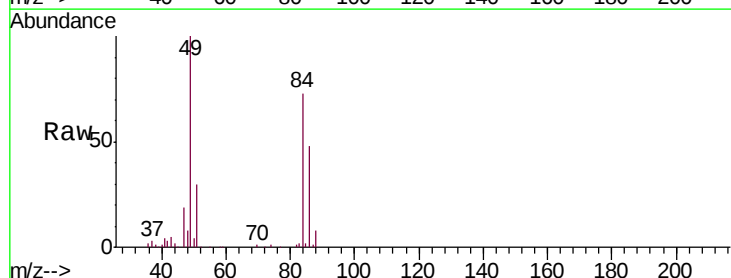
Tgt Ion: 84 Resp: 100394

Ion Ratio Lower Upper

84 100

86 65.7 44.9 83.5

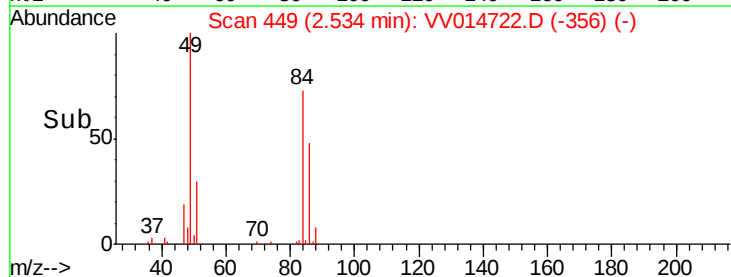
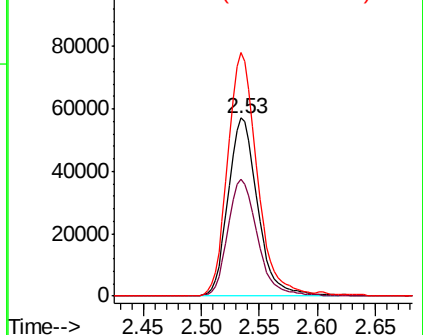
49 136.7 95.6 177.6

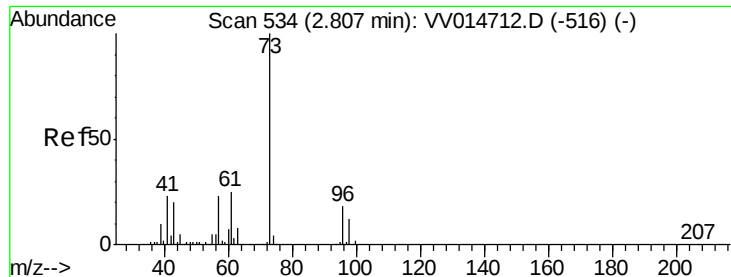


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 4.773 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

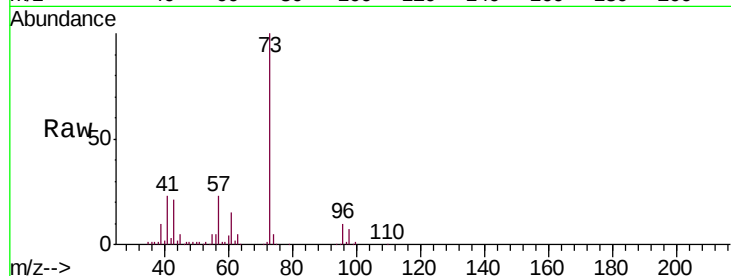
Tgt Ion: 73 Resp: 221027

Ion Ratio Lower Upper

73 100

43 20.4 16.0 24.0

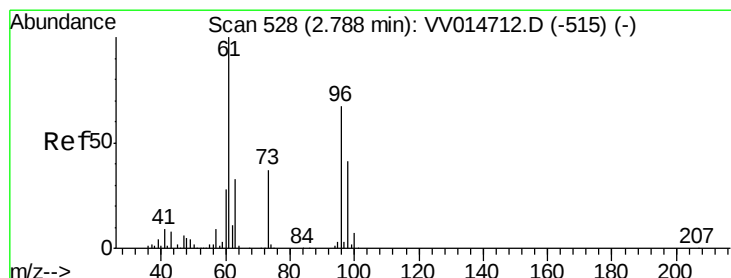
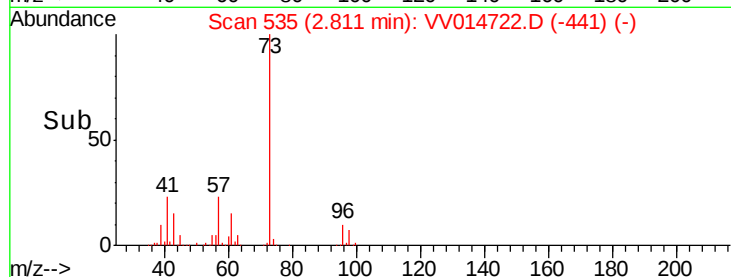
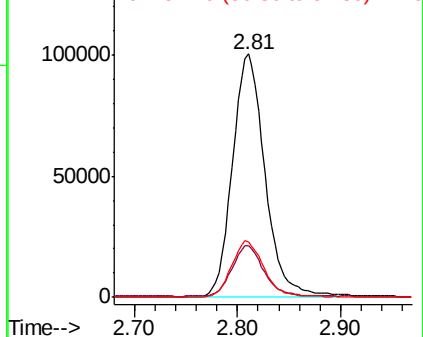
57 23.3 18.4 27.6



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: 4.691 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

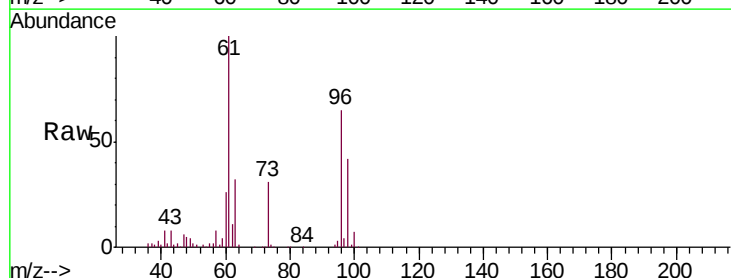
Tgt Ion: 96 Resp: 96527

Ion Ratio Lower Upper

96 100

61 152.9 104.9 194.9

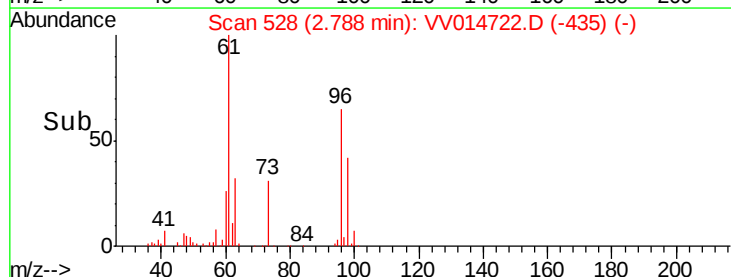
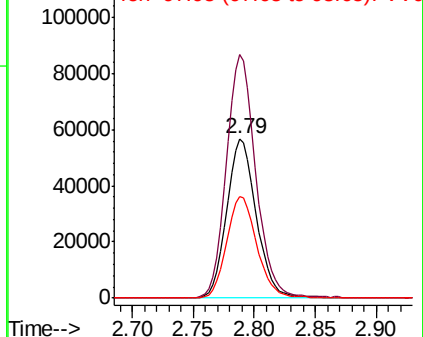
98 64.0 42.9 79.7

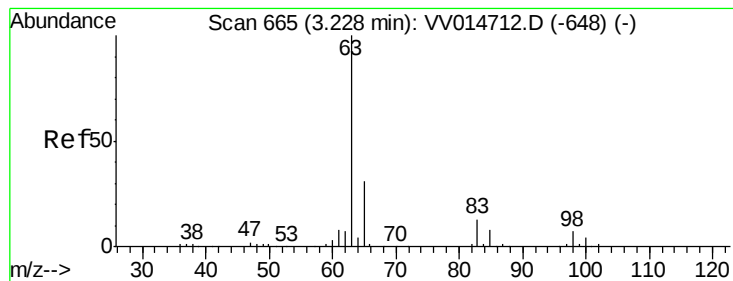


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.811 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

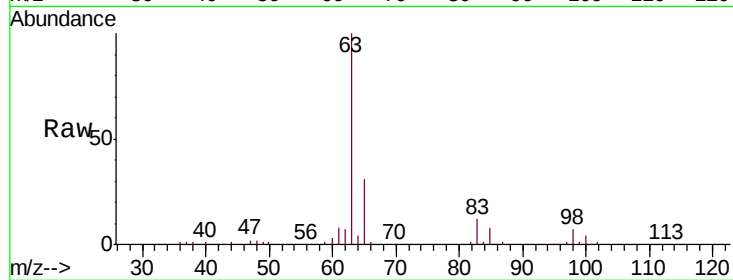
Tgt Ion: 63 Resp: 193654

Ion Ratio Lower Upper

63 100

65 30.8 21.9 40.7

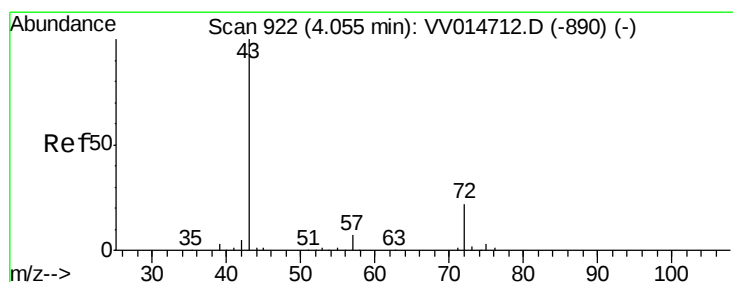
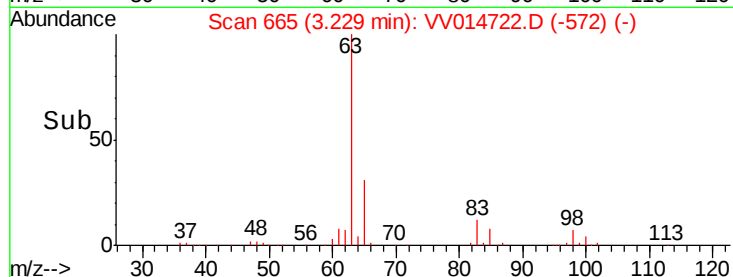
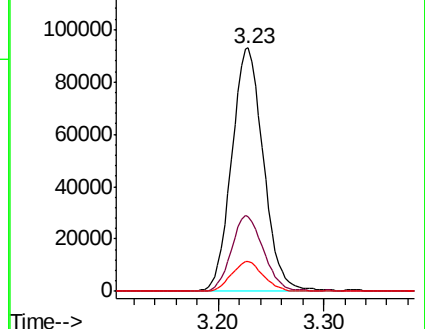
83 12.2 9.0 16.6



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: 48.948 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.00 min

Lab File: VV014722.D

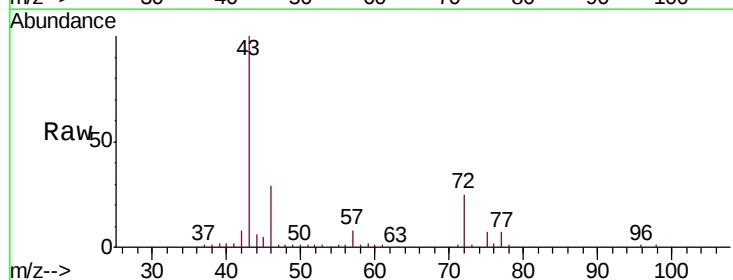
Acq: 28 Feb 2020 21:17

Tgt Ion: 43 Resp: 245047

Ion Ratio Lower Upper

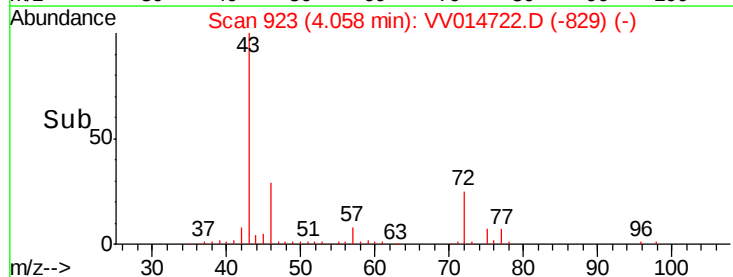
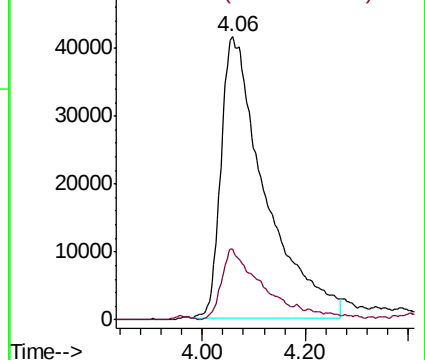
43 100

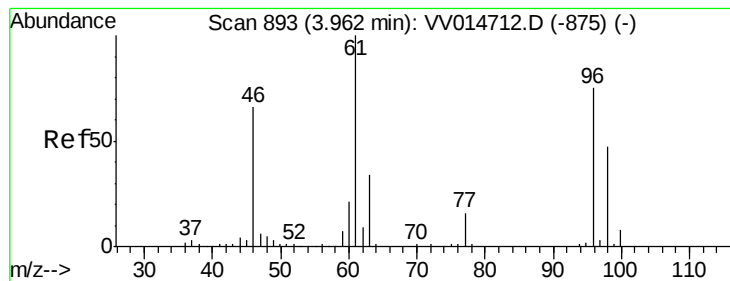
72 21.1 10.5 31.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0





#22

cis-1,2-Dichloroethene

Concen: 4.840 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

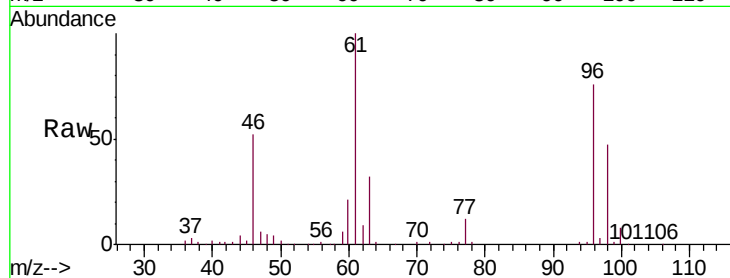
Tgt Ion: 96 Resp: 106444

Ion Ratio Lower Upper

96 100

61 130.9 93.3 173.3

68 0.0 0.0 0.0

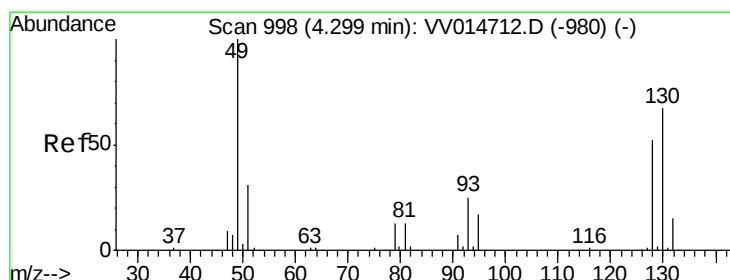
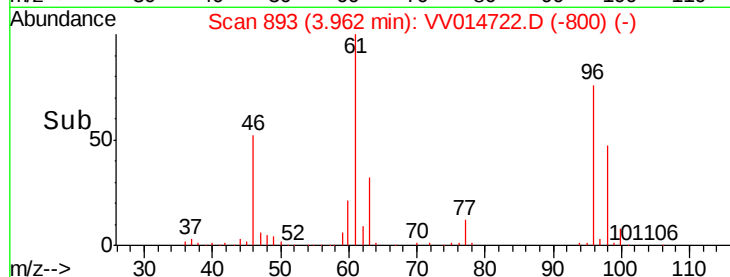
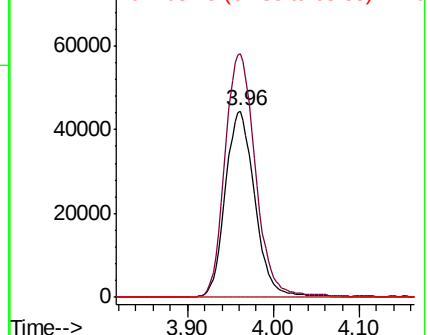


Abundance

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: 4.820 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Tgt Ion: 128 Resp: 42543

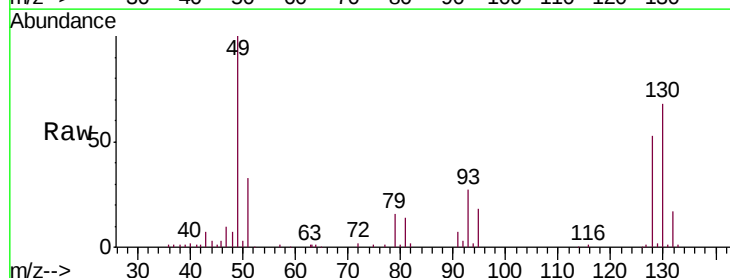
Ion Ratio Lower Upper

128 100

49 187.0 136.2 252.9

130 128.0 90.3 167.7

51 61.1 47.9 71.9



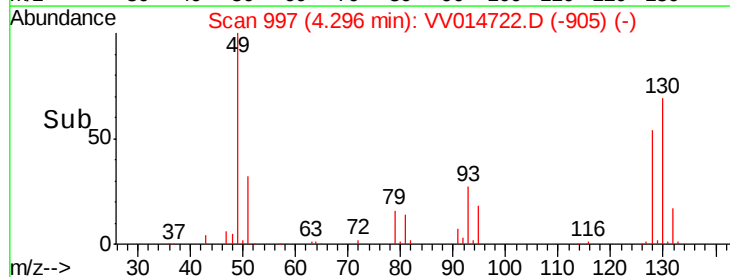
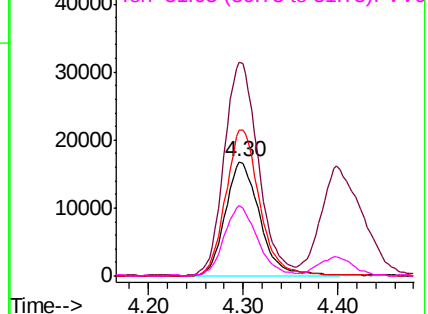
Abundance

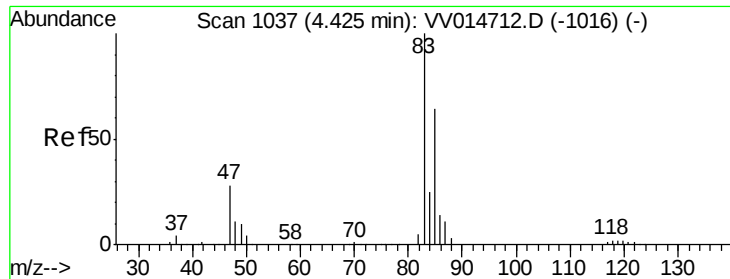
Ion 127.90 (127.60 to 128.60): V

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

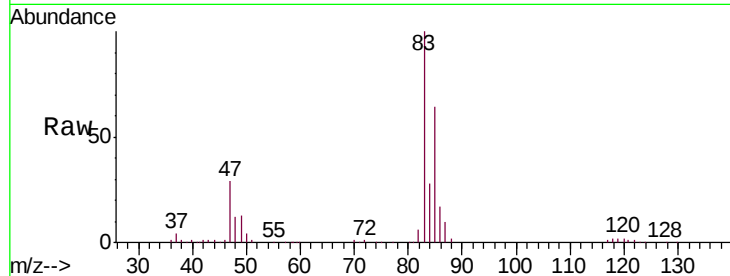




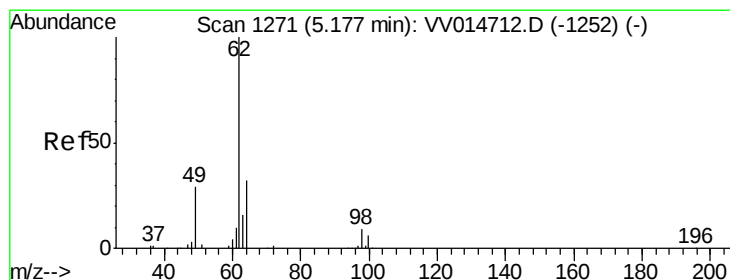
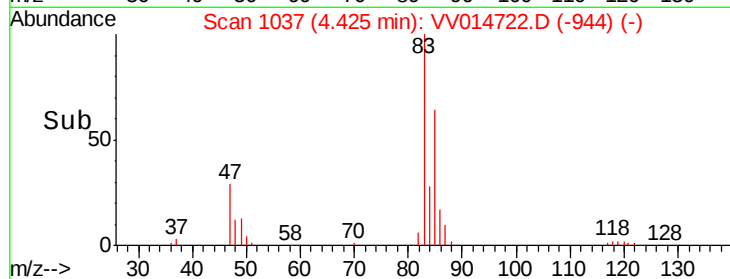
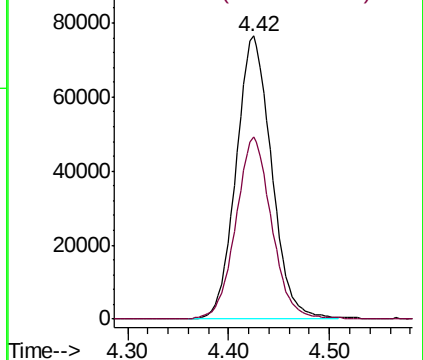
#25
Chloroform
Concen: 4.707 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014722.D
Acq: 28 Feb 2020 21:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion: 83 Resp: 185954
Ion Ratio Lower Upper
83 100
85 64.4 44.7 83.1

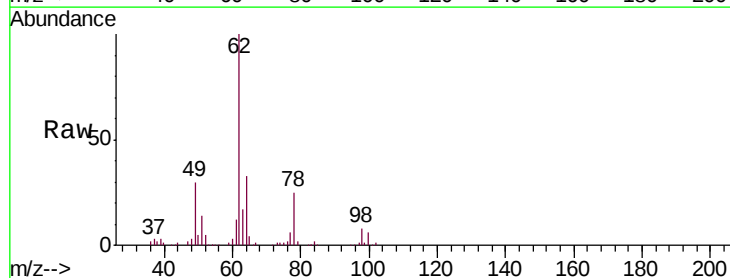


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

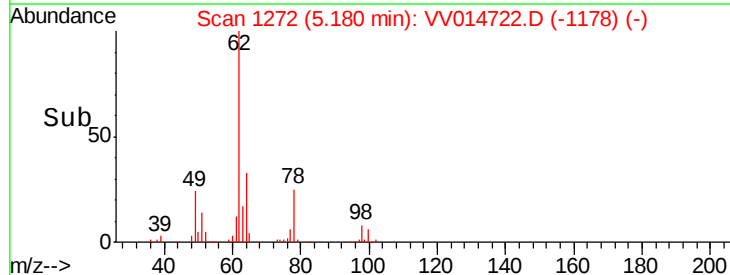
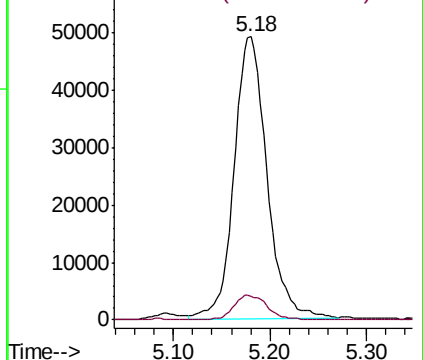


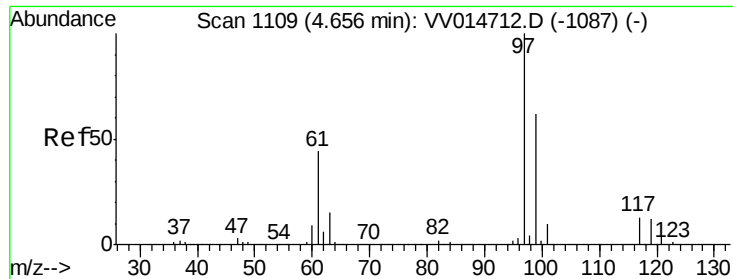
#27
1,2-Dichloroethane
Concen: 4.778 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014722.D
Acq: 28 Feb 2020 21:17

Tgt Ion: 62 Resp: 115580
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

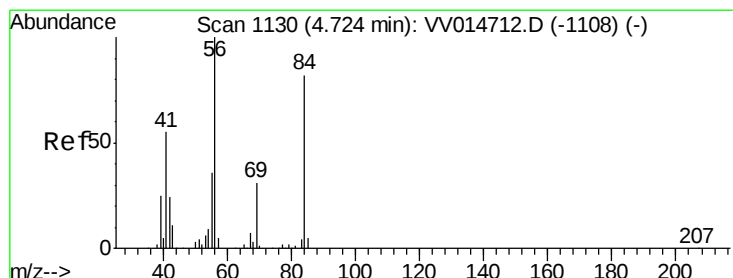
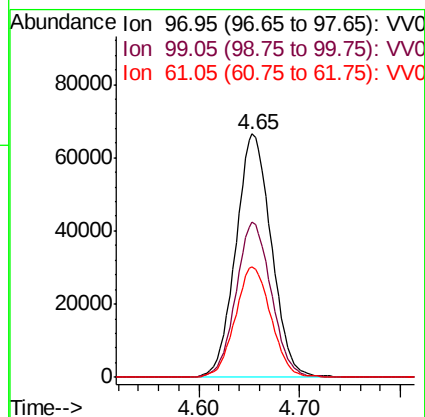
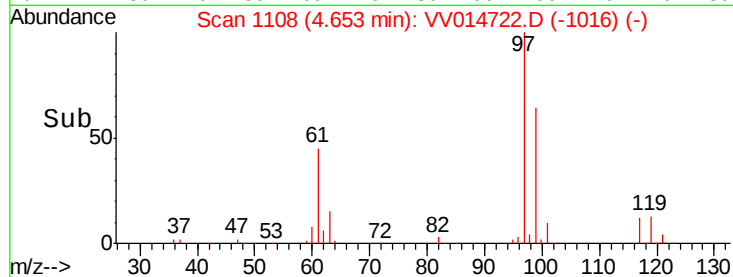
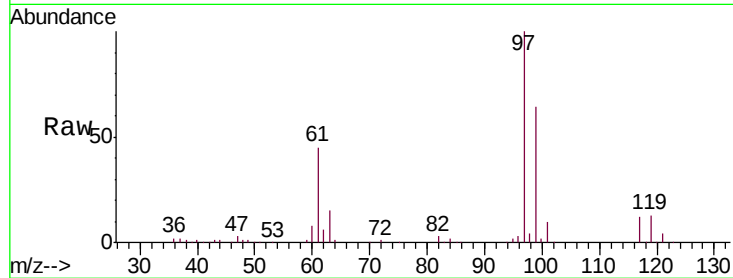




#29
1,1,1-Trichloroethane
Concen: 4.732 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV014722.D
Acq: 28 Feb 2020 21:17

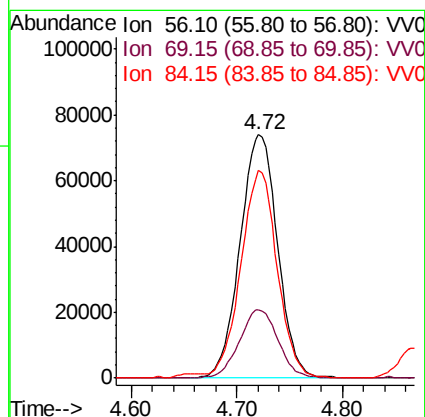
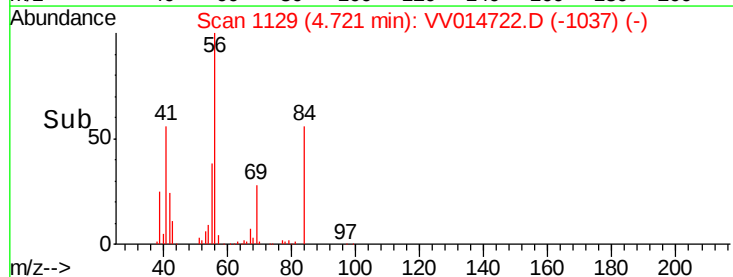
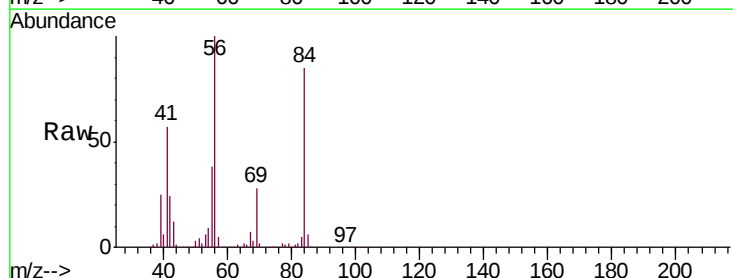
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

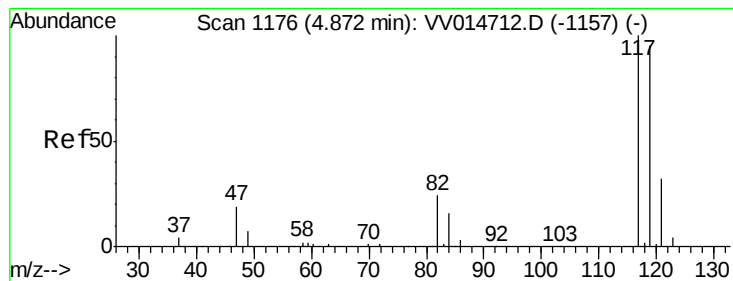
Tgt Ion: 97 Resp: 162741
Ion Ratio Lower Upper
97 100
99 63.3 50.6 76.0
61 45.7 36.3 54.5



#30
Cyclohexane
Concen: 4.731 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV014722.D
Acq: 28 Feb 2020 21:17

Tgt Ion: 56 Resp: 183163
Ion Ratio Lower Upper
56 100
69 29.0 23.4 35.2
84 82.5 66.3 99.5





#31

Carbon tetrachloride

Concen: 4.854 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

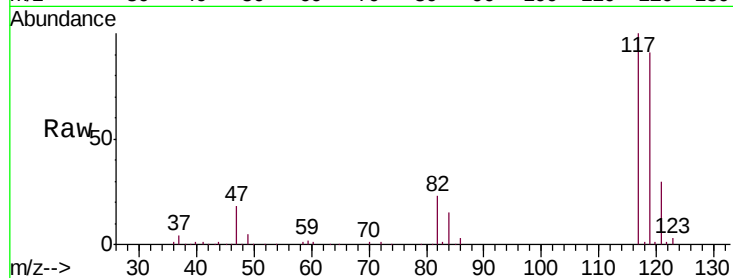
VSTD00556

Tgt Ion:117 Resp: 143809

Ion Ratio Lower Upper

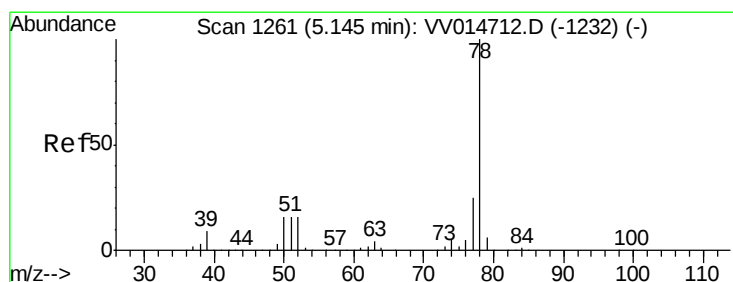
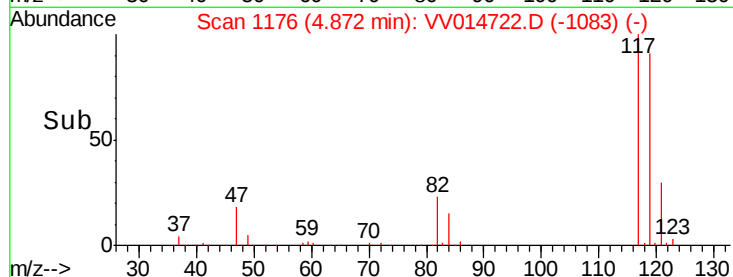
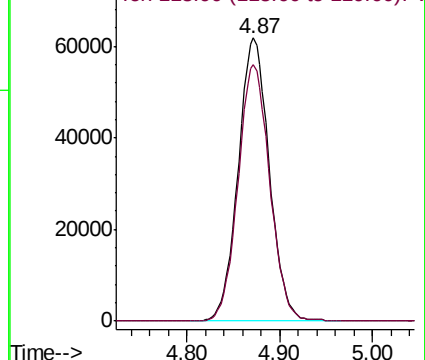
117 100

119 92.0 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.877 ug/L

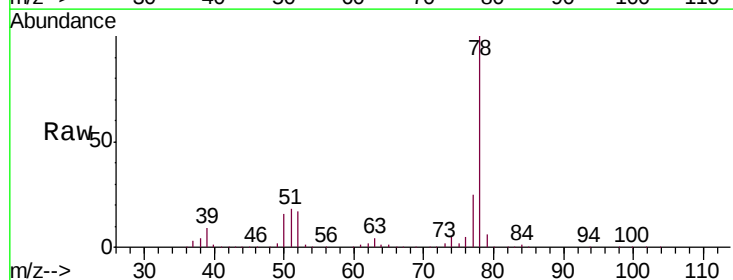
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

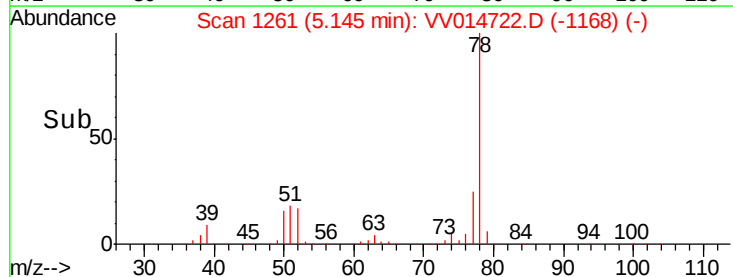
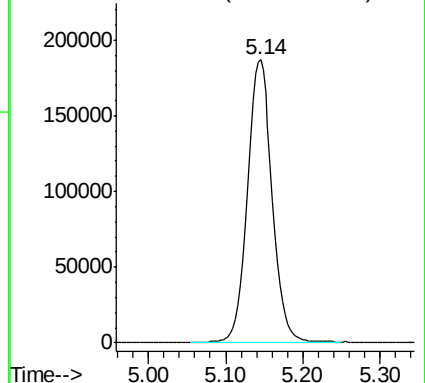
Lab File: VV014722.D

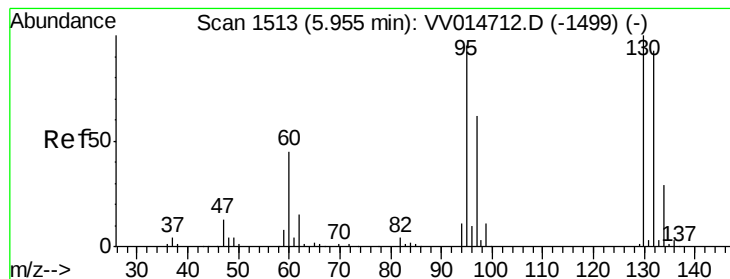
Acq: 28 Feb 2020 21:17

Tgt Ion: 78 Resp: 417779



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.721 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

Tgt Ion: 95 Resp: 105925

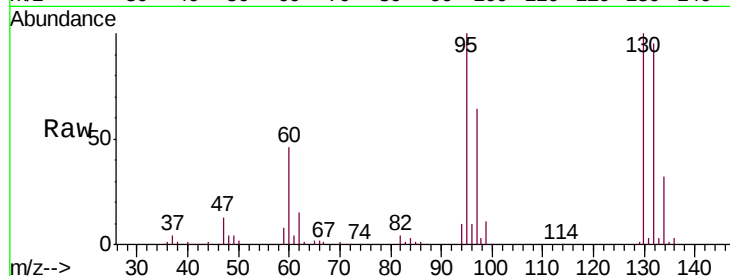
Ion Ratio Lower Upper

95 100

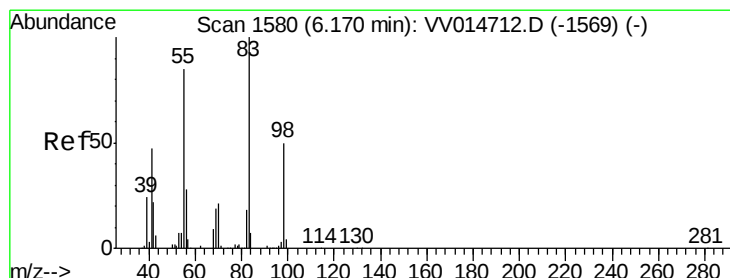
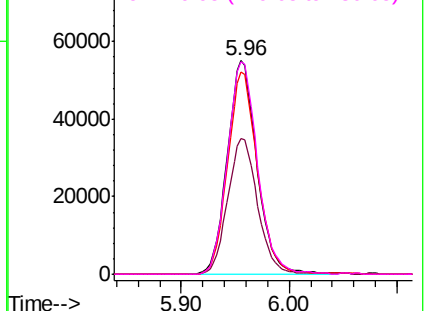
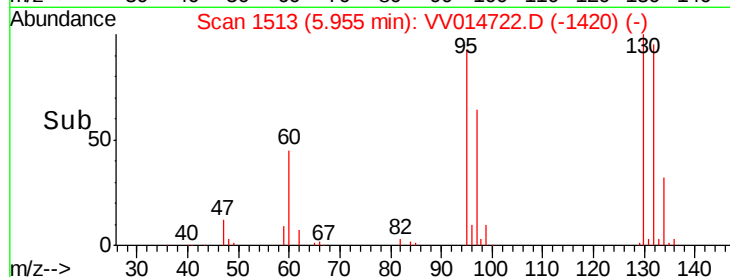
97 63.6 45.8 85.0

132 95.0 68.7 127.5

130 99.6 74.1 137.5



Abundance Ion 95.00 (94.70 to 95.70): VV014722.D (-1420) (-)



#35

Methylcyclohexane

Concen: 4.697 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

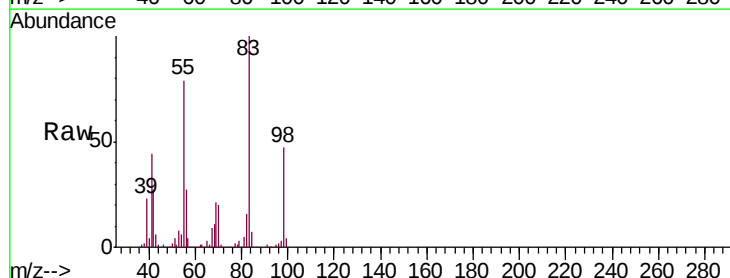
Tgt Ion: 83 Resp: 179247

Ion Ratio Lower Upper

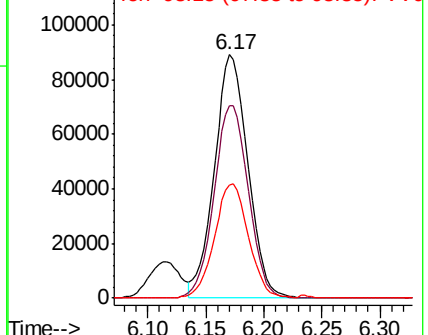
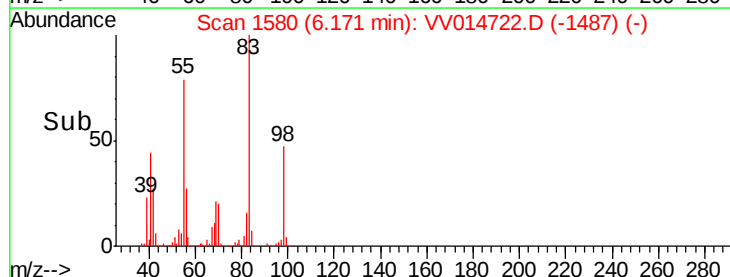
83 100

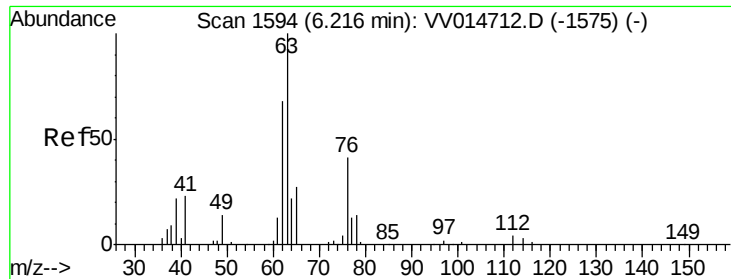
55 80.4 64.6 96.8

98 47.2 37.8 56.8



Abundance Ion 83.15 (82.85 to 83.85): VV014722.D (-1487) (-)

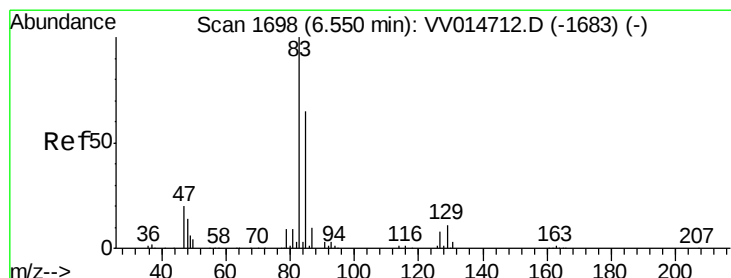
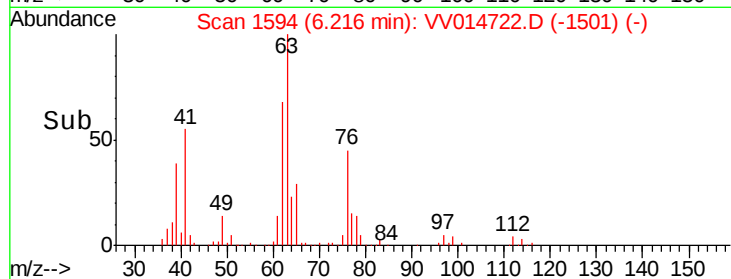
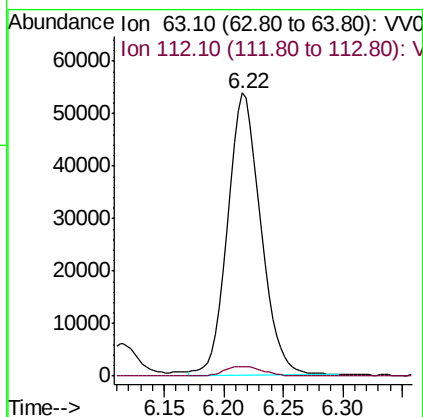
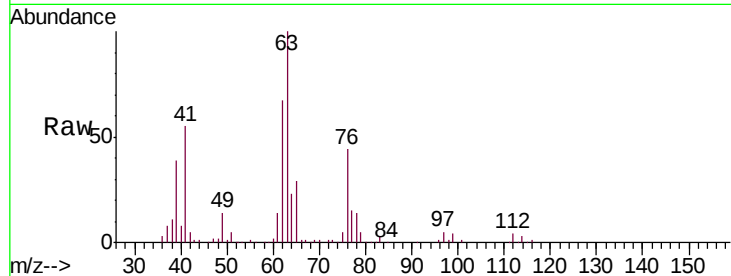




#37
 1,2-Dichloropropane
 Concen: 4.766 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

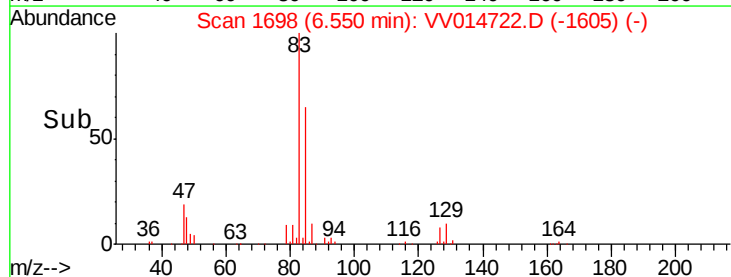
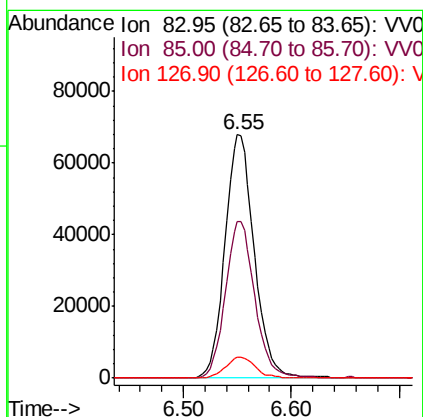
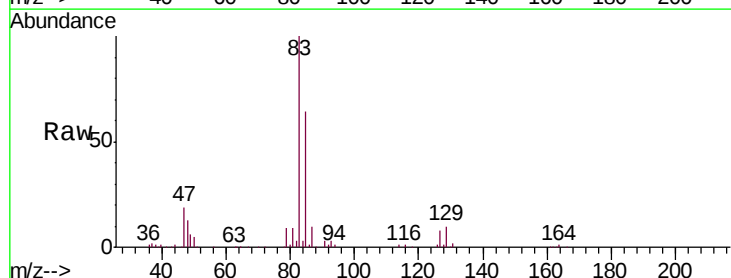
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

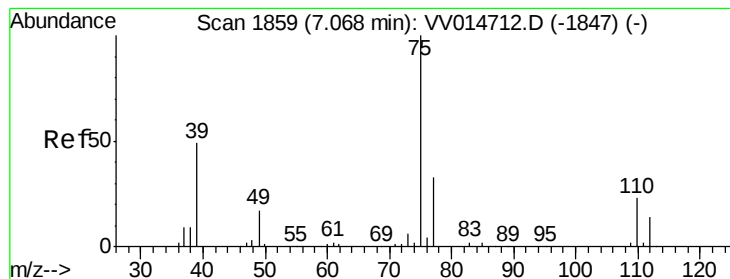
Tgt Ion: 63 Resp: 104275
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.811 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Tgt Ion: 83 Resp: 128409
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.2 84.0
 127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.826 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

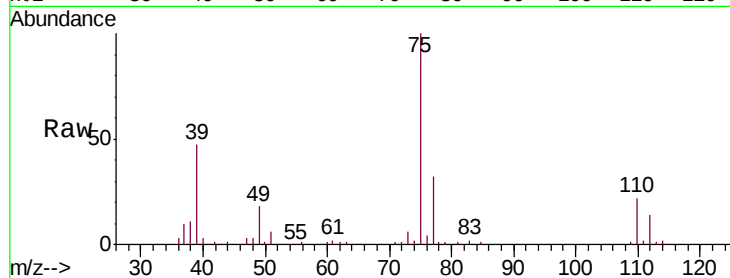
VSTD00556

Tgt Ion: 75 Resp: 152985

Ion Ratio Lower Upper

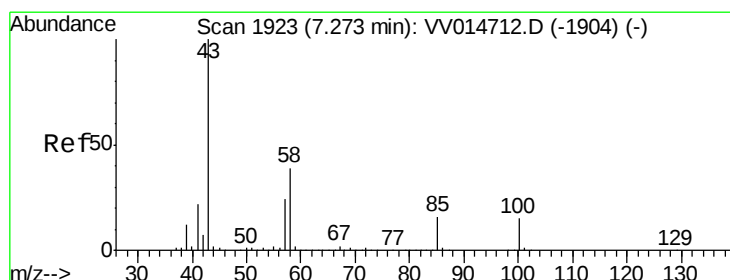
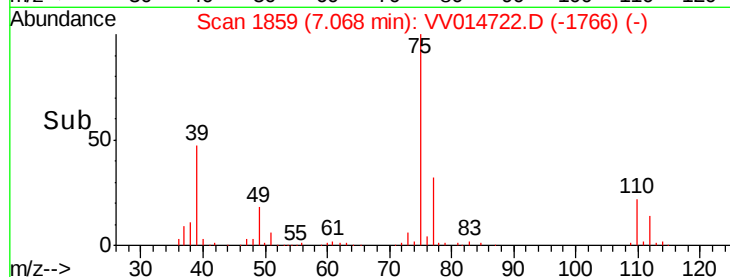
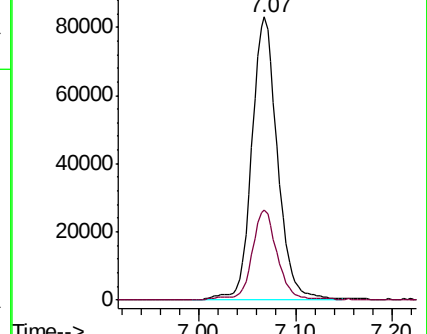
75 100

77 32.0 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 49.453 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

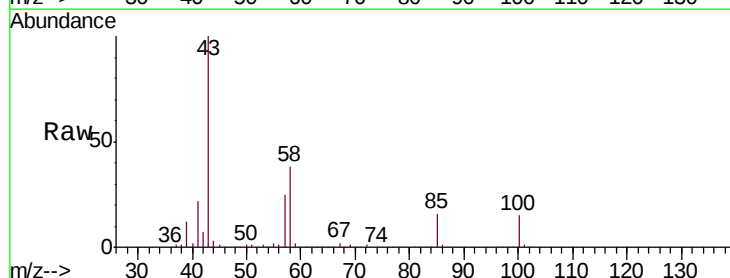
Tgt Ion: 43 Resp: 647958

Ion Ratio Lower Upper

43 100

58 37.7 30.2 45.2

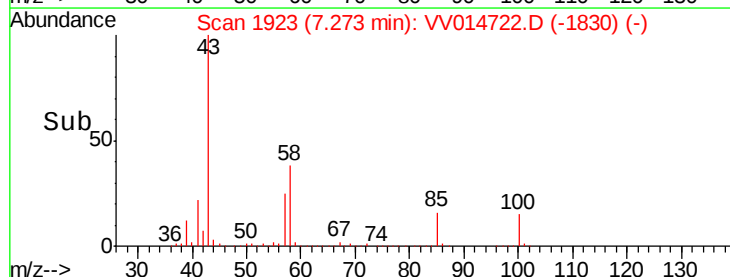
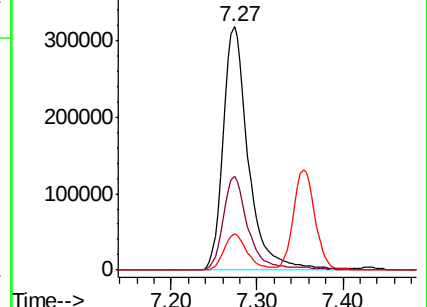
100 13.9 11.2 16.8

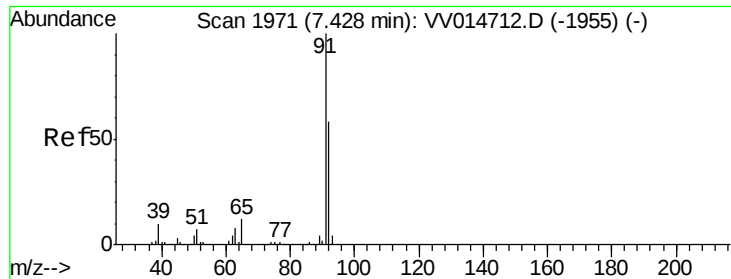


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.900 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

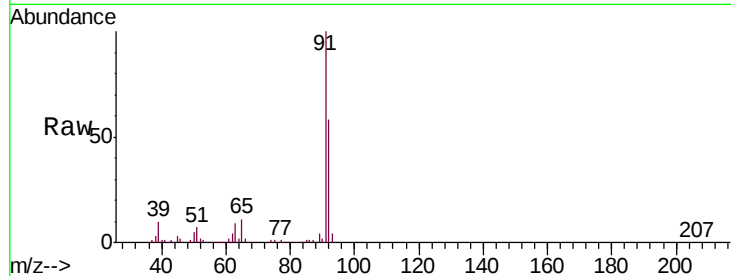
VSTD00556

Tgt Ion: 91 Resp: 444437

Ion Ratio Lower Upper

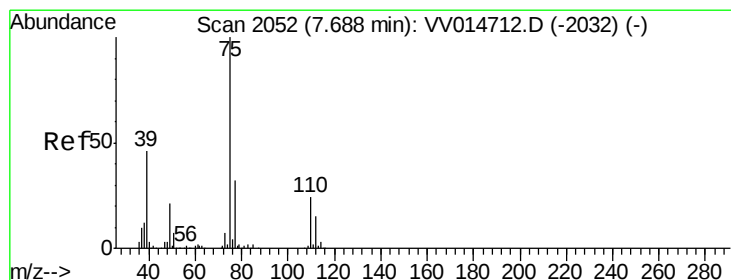
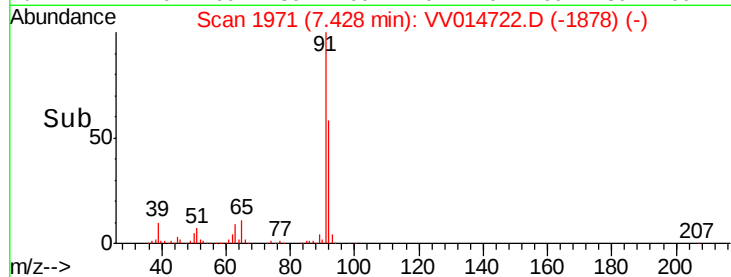
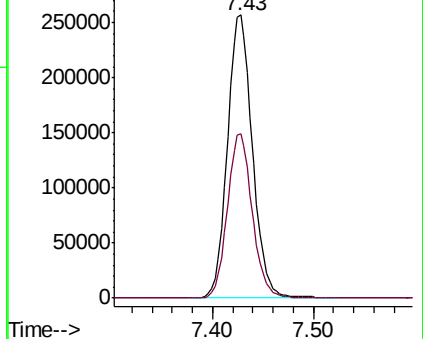
91 100

92 58.0 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV014722.D (-1878) (-)

Ion 92.15 (91.85 to 92.85): VV014722.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.756 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014722.D

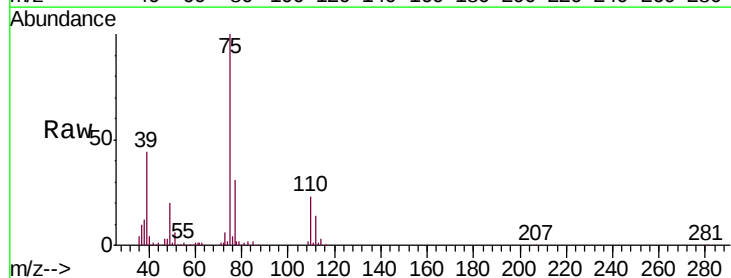
Acq: 28 Feb 2020 21:17

Tgt Ion: 75 Resp: 116966

Ion Ratio Lower Upper

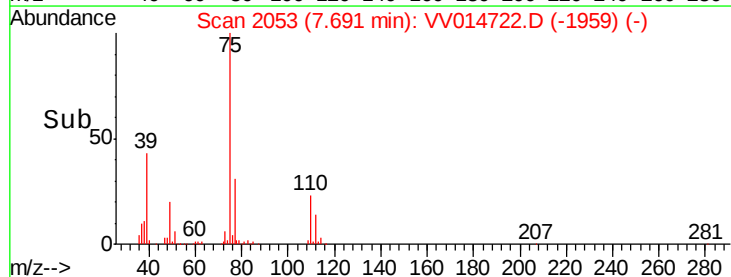
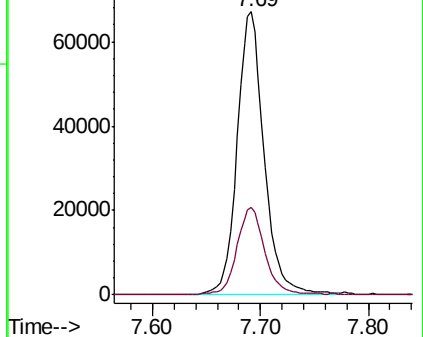
75 100

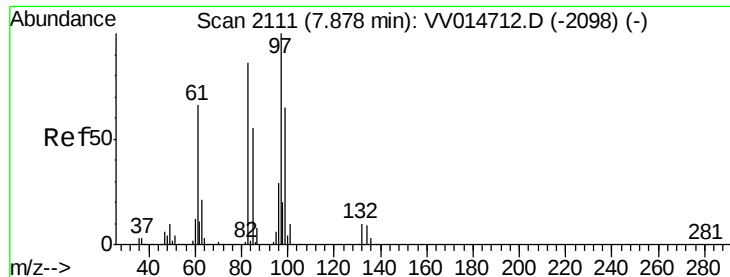
77 30.9 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV014722.D (-1959) (-)

Ion 77.05 (76.75 to 77.75): VV014722.D (-1959) (-)

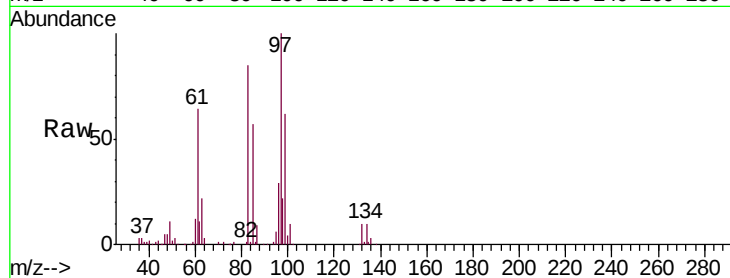




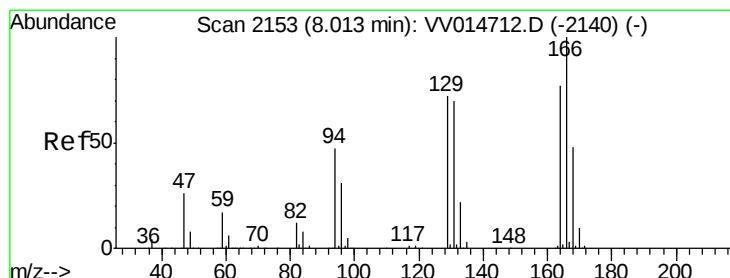
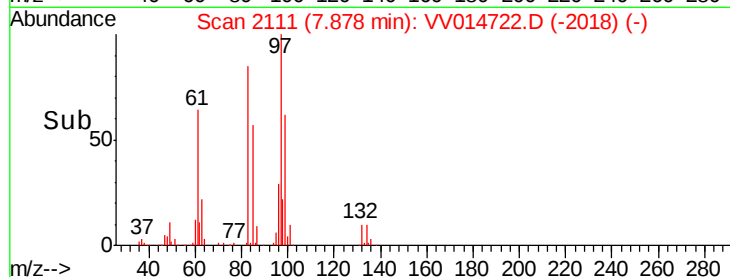
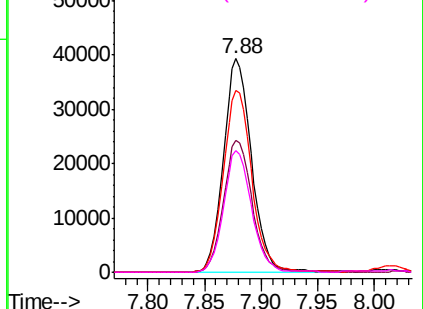
#45
 1,1,2-Trichloroethane
 Concen: 4.864 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:	97	Resp:	67951
Ion	Ratio	Lower	Upper
97	100		
99	61.6	45.4	84.4
83	85.2	59.8	111.1
85	57.0	38.3	71.1

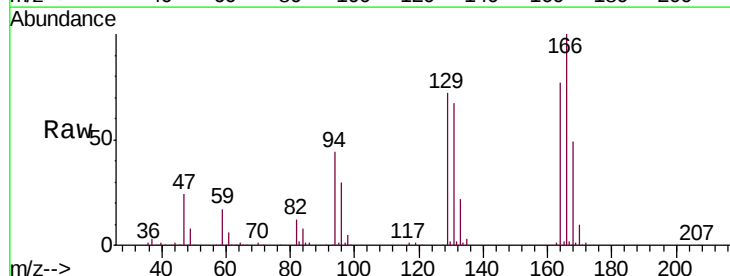


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

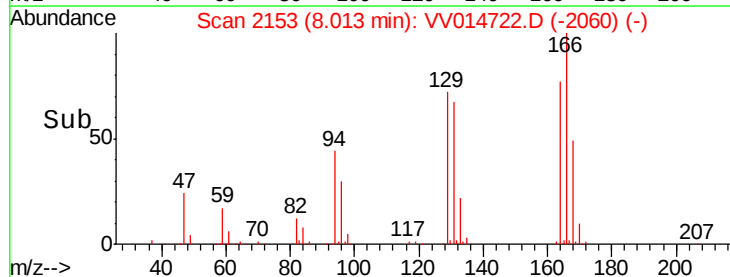
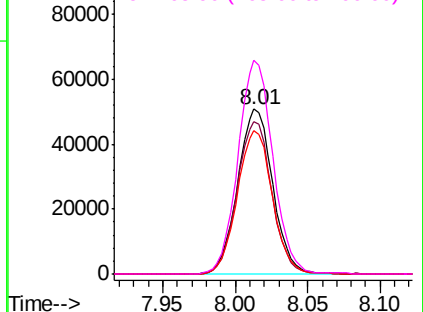


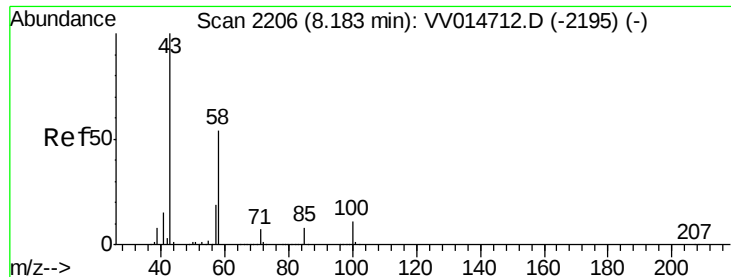
#47
 Tetrachloroethene
 Concen: 4.764 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Tgt Ion:	164	Resp:	85477
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.9	122.5
131	86.9	64.0	119.0
166	129.7	91.2	169.4



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

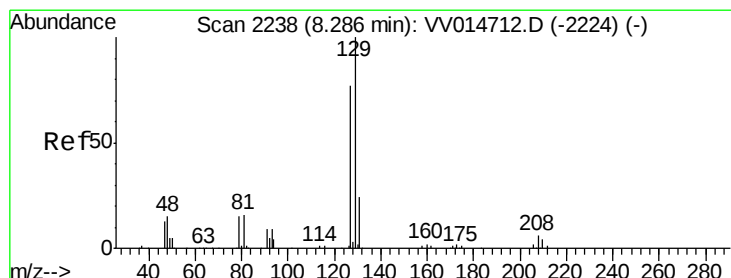
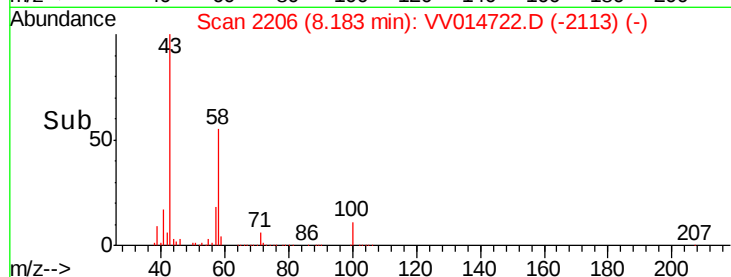
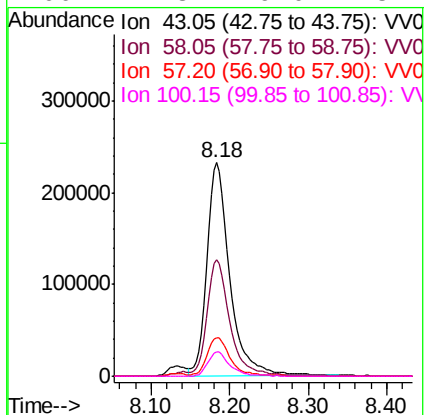
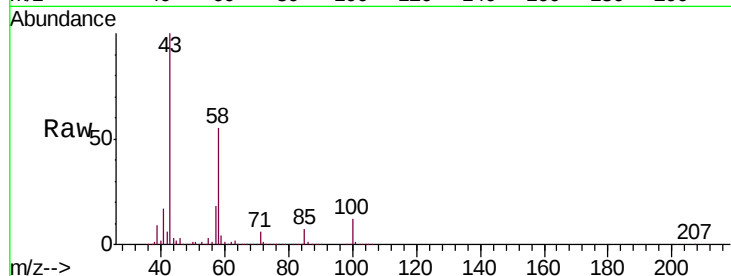




#48
2-Hexanone
Concen: 49.887 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014722.D
Acq: 28 Feb 2020 21:17

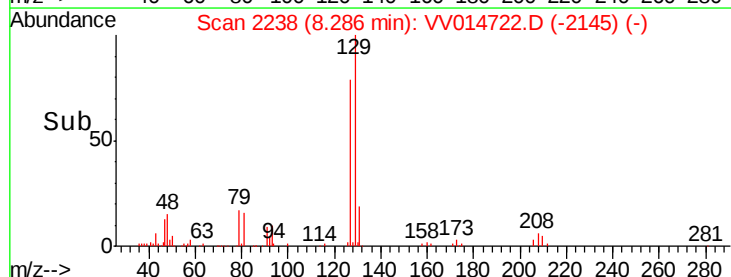
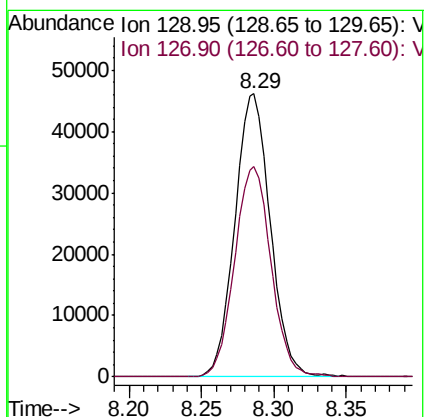
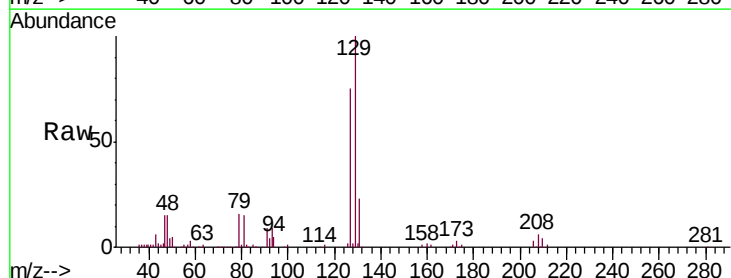
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

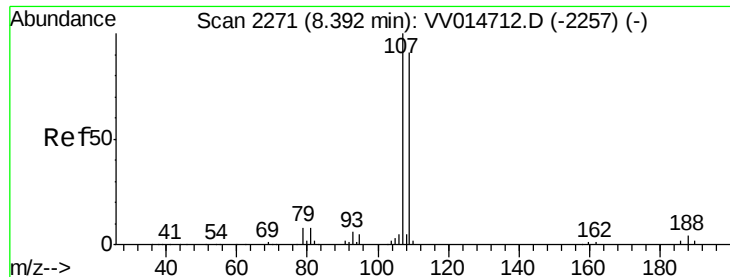
Tgt Ion: 43 Resp: 465730
Ion Ratio Lower Upper
43 100
58 53.4 43.1 64.7
57 18.1 14.6 21.8
100 11.3 9.0 13.4



#49
Dibromochloromethane
Concen: 4.966 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014722.D
Acq: 28 Feb 2020 21:17

Tgt Ion: 129 Resp: 78435
Ion Ratio Lower Upper
129 100
127 74.6 53.8 99.8

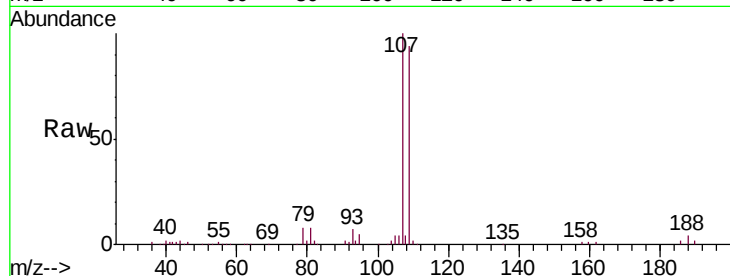




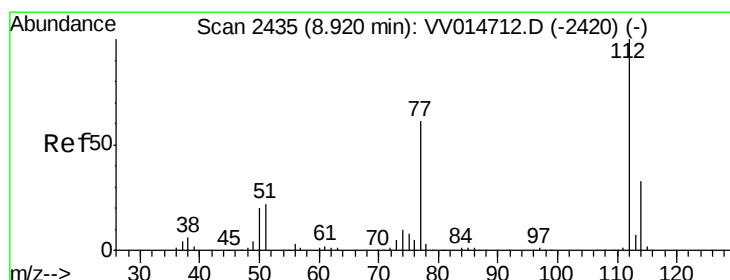
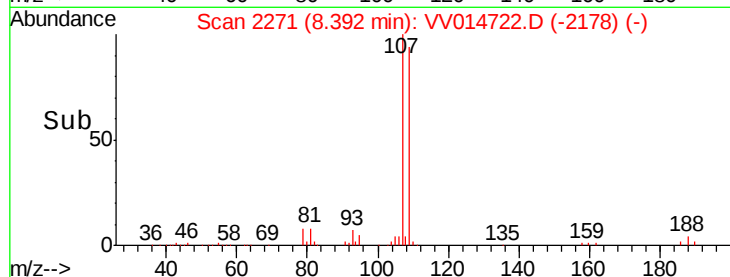
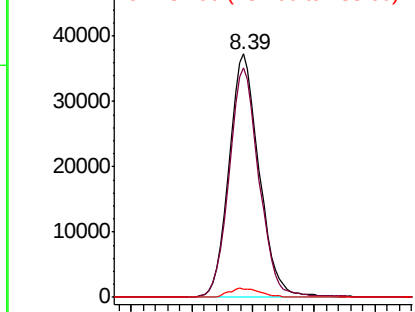
#50
 1,2-Dibromoethane
 Concen: 4.821 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:107 Resp: 64284
 Ion Ratio Lower Upper
 107 100
 109 94.5 63.6 118.2
 188 3.6 3.1 4.7

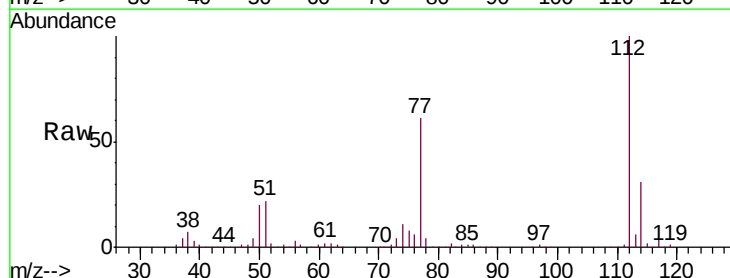


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

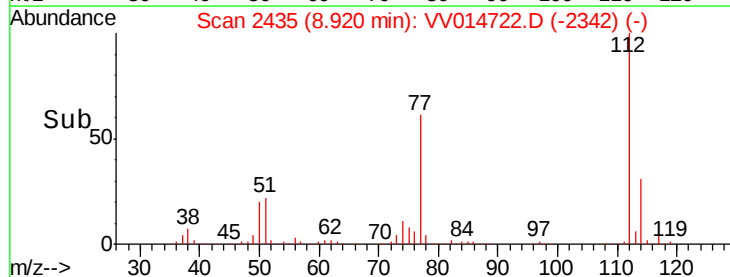
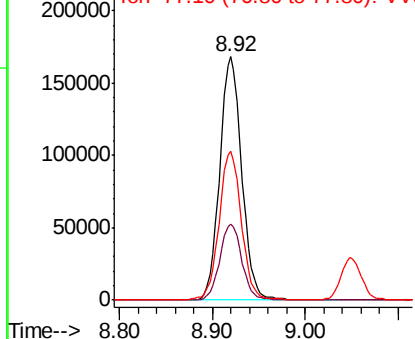


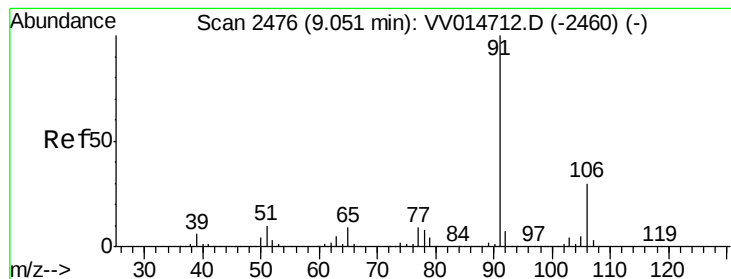
#51
 Chlorobenzene
 Concen: 4.813 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Tgt Ion:112 Resp: 276452
 Ion Ratio Lower Upper
 112 100
 114 31.3 23.2 43.2
 77 61.1 49.0 73.6



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: 4.853 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

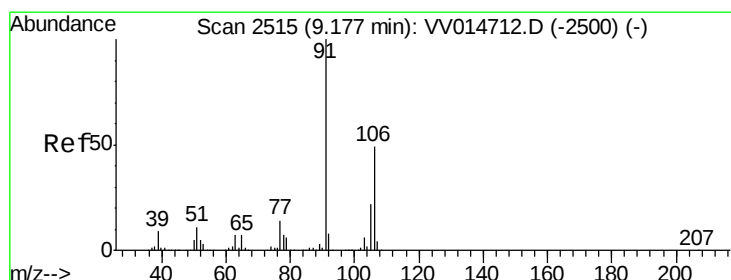
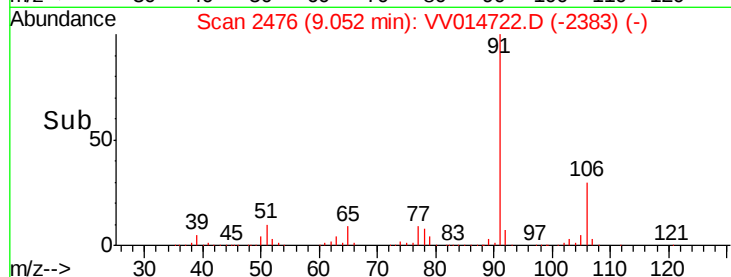
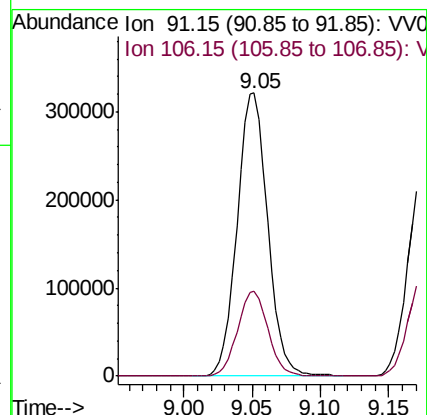
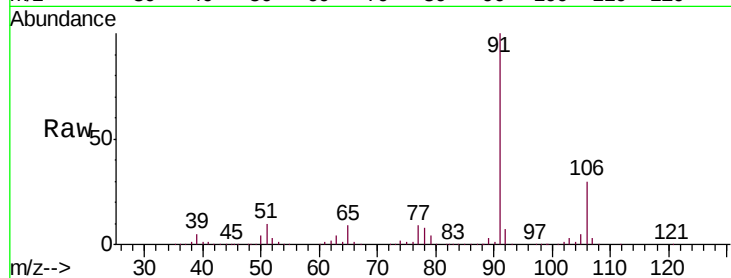
VSTD00556

Tgt Ion: 91 Resp: 499162

Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.1



#53

m,p-xylene

Concen: 4.858 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014722.D

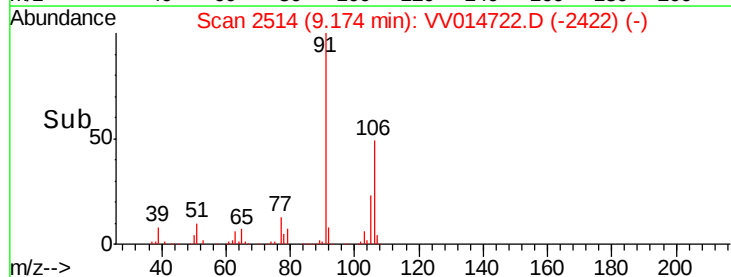
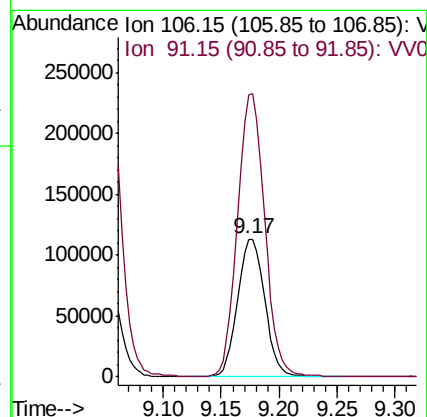
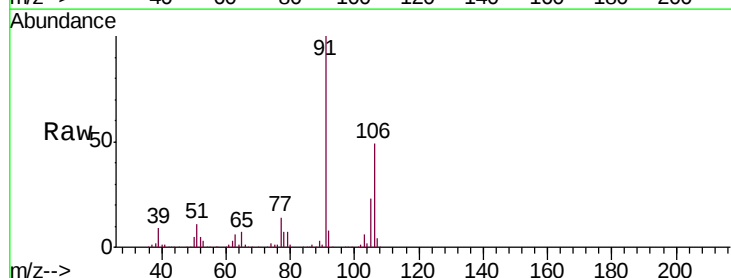
Acq: 28 Feb 2020 21:17

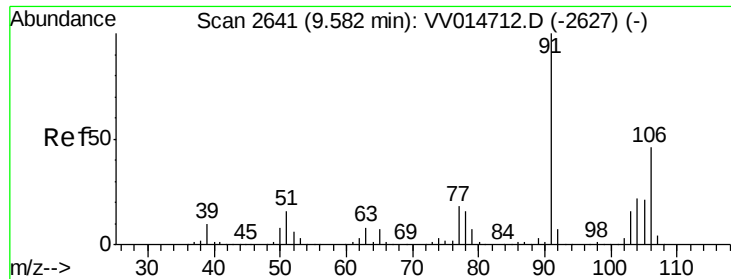
Tgt Ion: 106 Resp: 182912

Ion Ratio Lower Upper

106 100

91 204.4 142.5 264.6





#54

o-xylene

Concen: 4.829 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

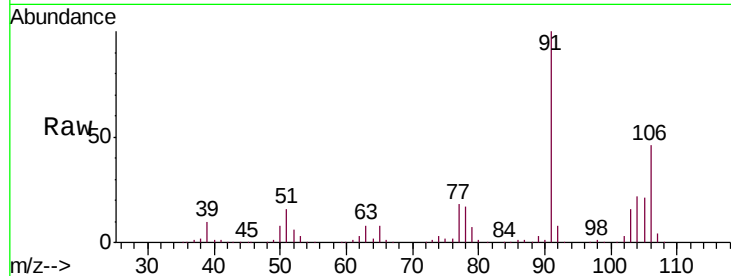
VSTD00556

Tgt Ion:106 Resp: 177024

Ion Ratio Lower Upper

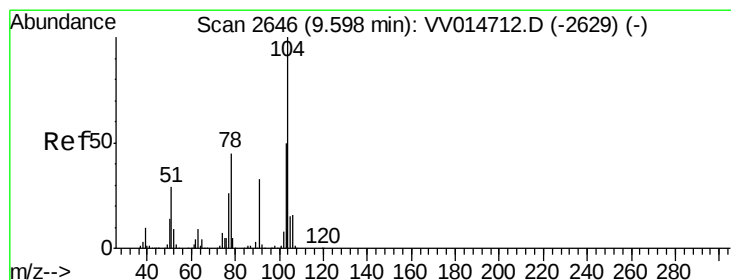
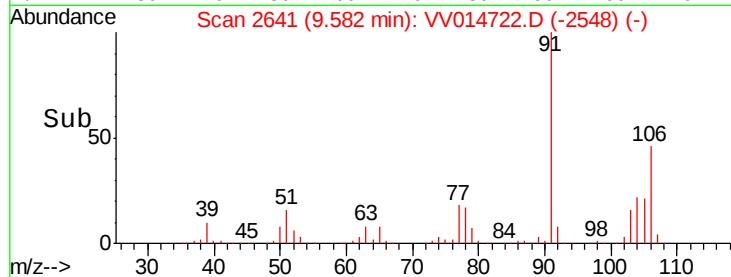
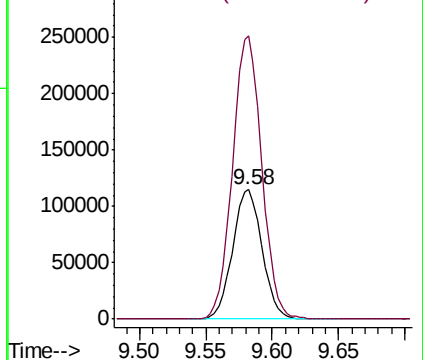
106 100

91 219.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.874 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014722.D

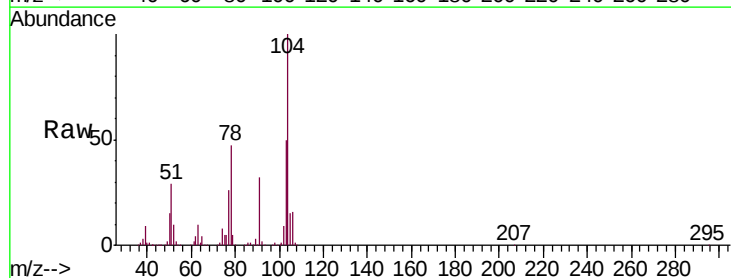
Acq: 28 Feb 2020 21:17

Tgt Ion:104 Resp: 300151

Ion Ratio Lower Upper

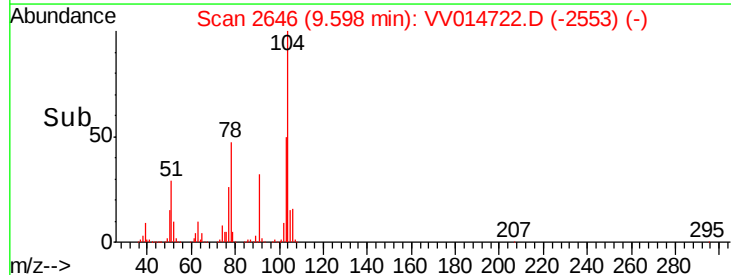
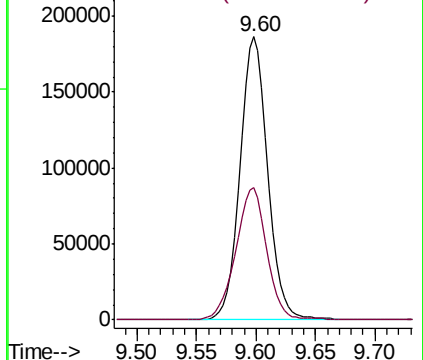
104 100

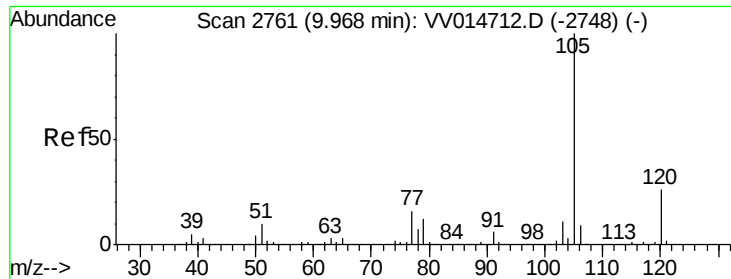
78 46.8 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.842 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

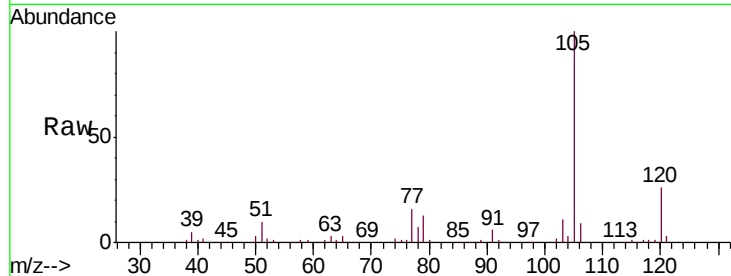
Tgt Ion: 105 Resp: 479476

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

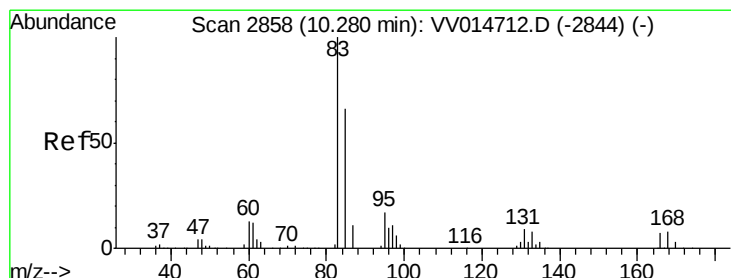
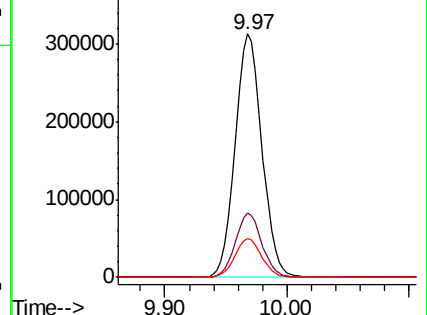
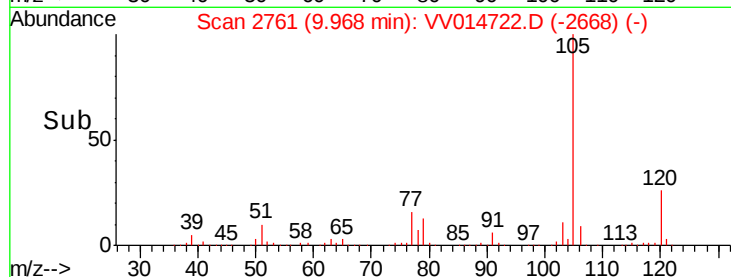
77 16.0 12.6 18.8



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: 4.946 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

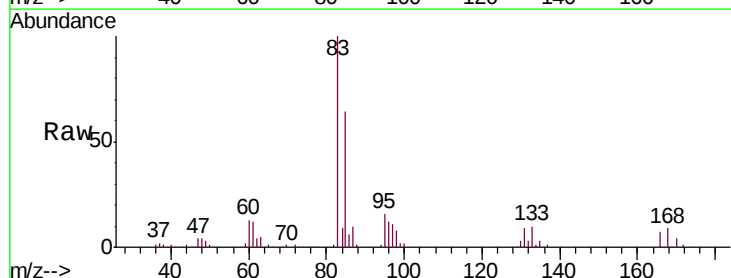
Tgt Ion: 83 Resp: 86395

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7

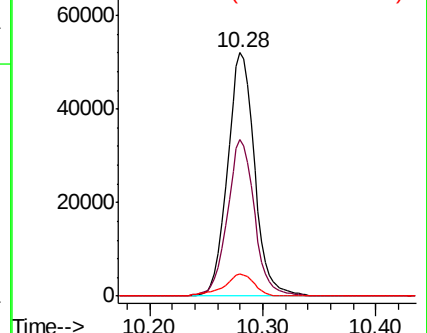
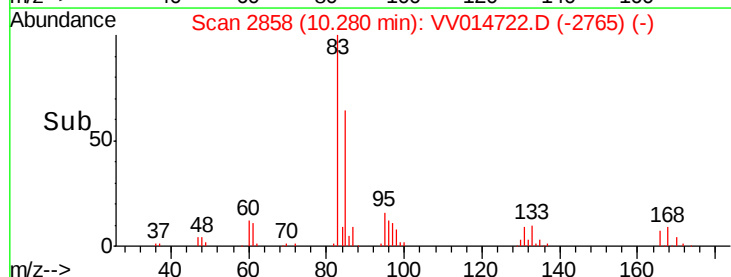
131 9.0 7.4 11.2

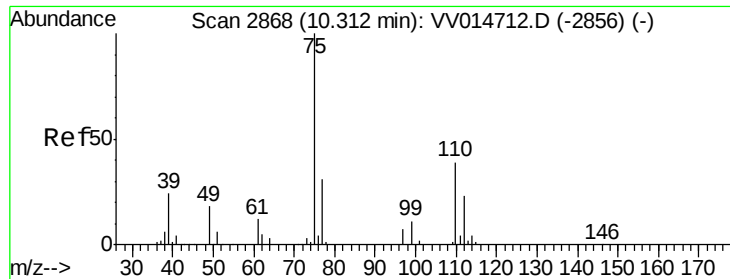


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

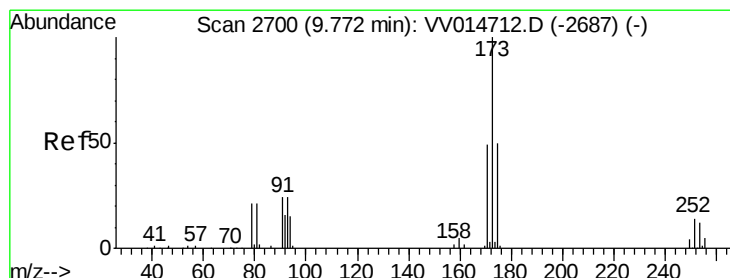
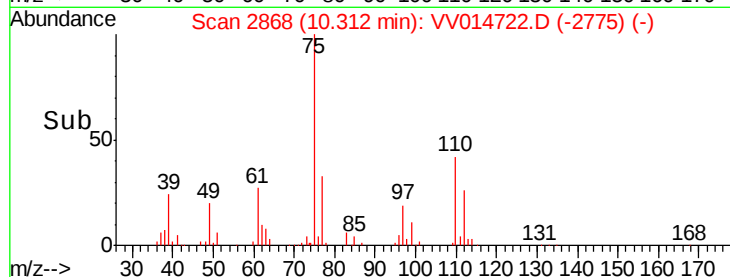
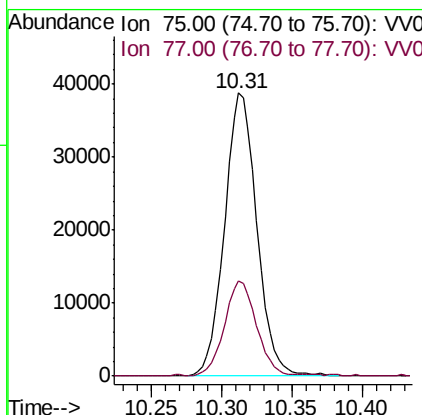
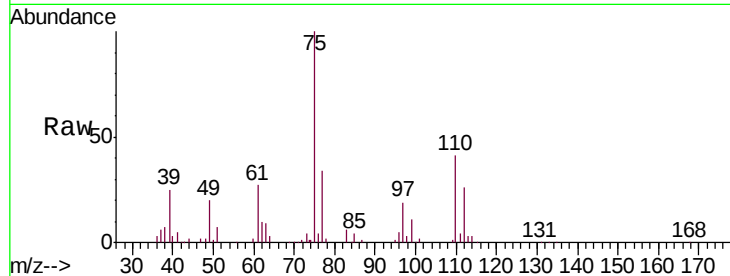




#59
 1,2,3-Trichloropropane
 Concen: 4.852 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

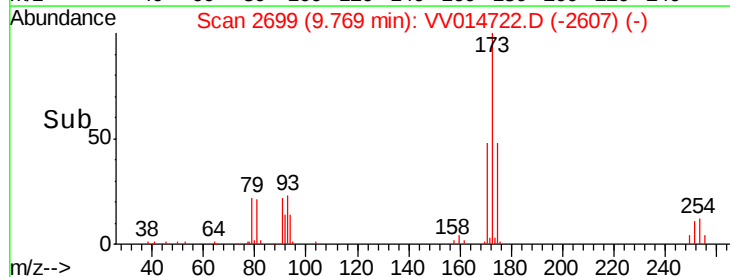
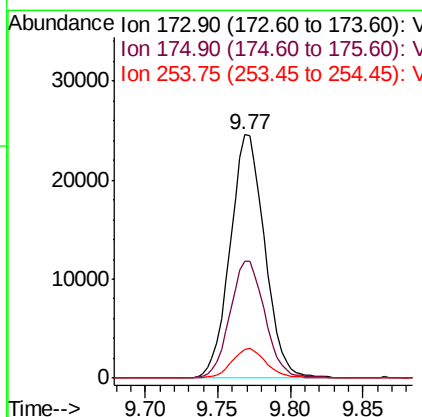
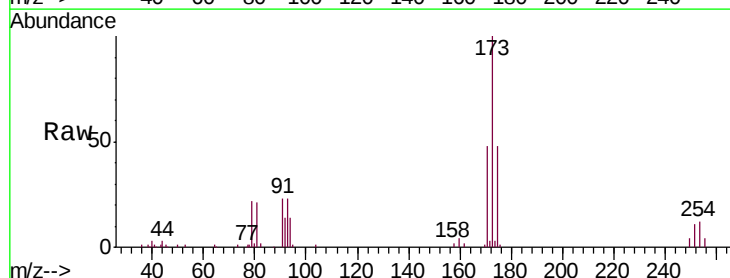
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

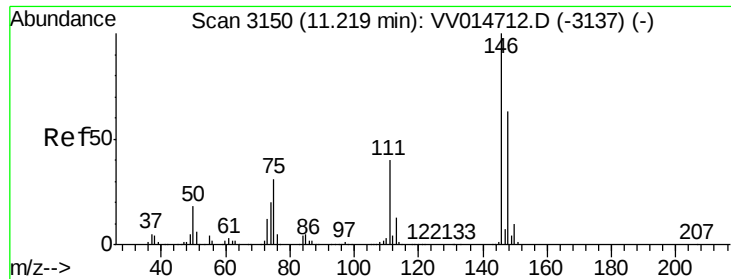
Tgt Ion: 75 Resp: 62010
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.3 39.5



#61
 Bromoform
 Concen: 5.139 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Tgt Ion: 173 Resp: 40721
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.6 57.8
 254 12.0 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 4.863 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

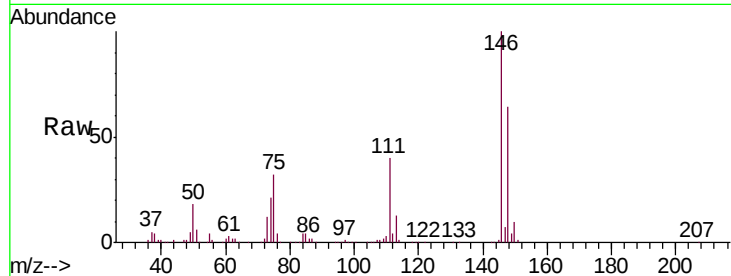
Tgt Ion:146 Resp: 223845

Ion Ratio Lower Upper

146 100

111 39.8 28.2 52.4

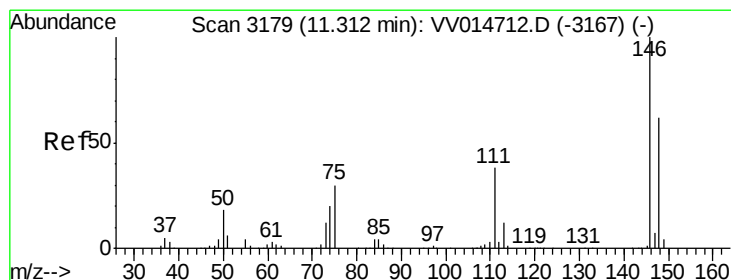
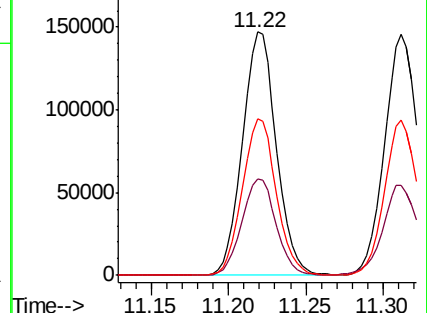
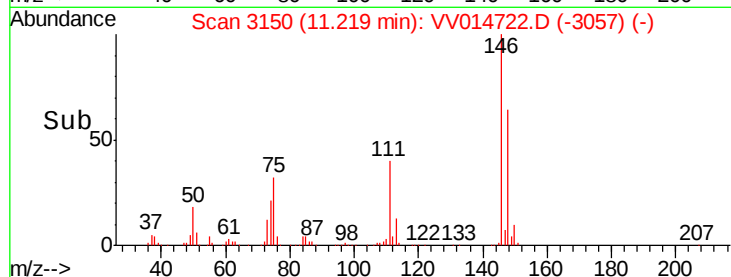
148 64.2 43.9 81.5



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



#63

1,4-Dichlorobenzene

Concen: 4.711 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

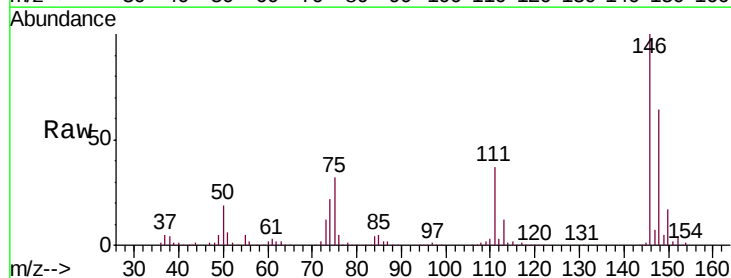
Tgt Ion:146 Resp: 221576

Ion Ratio Lower Upper

146 100

111 37.3 26.9 49.9

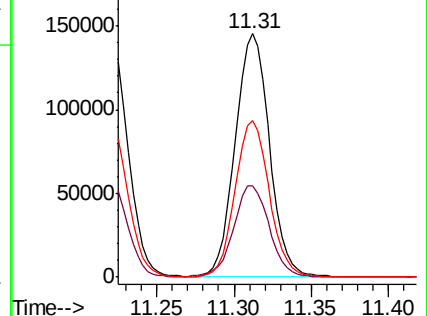
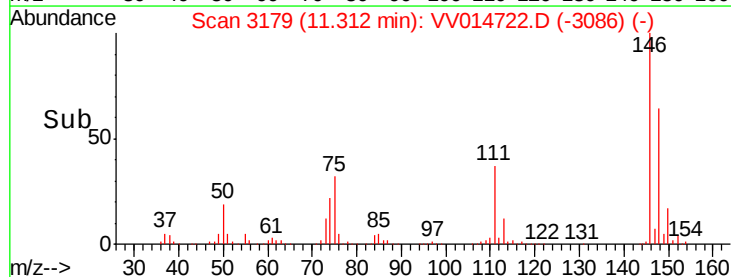
148 64.3 43.8 81.4

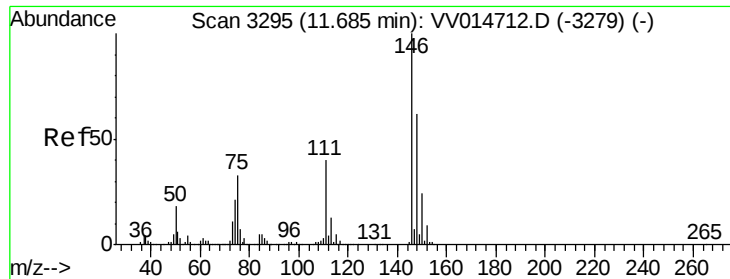


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

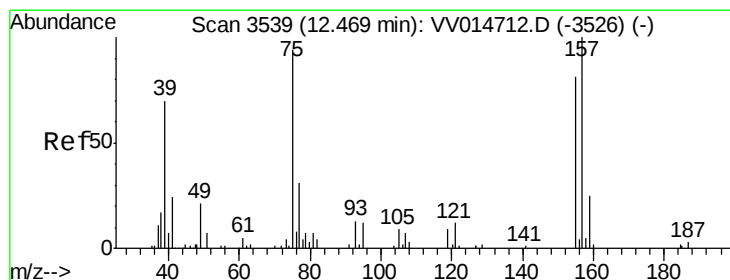
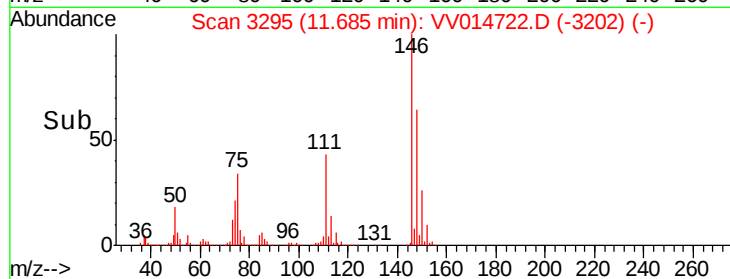
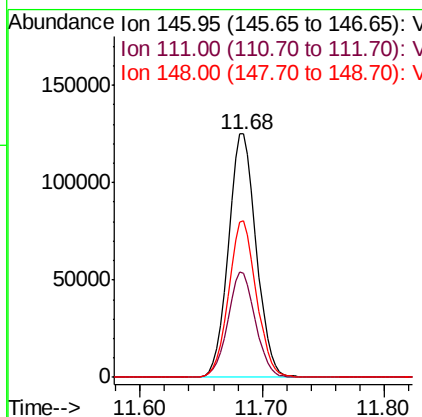
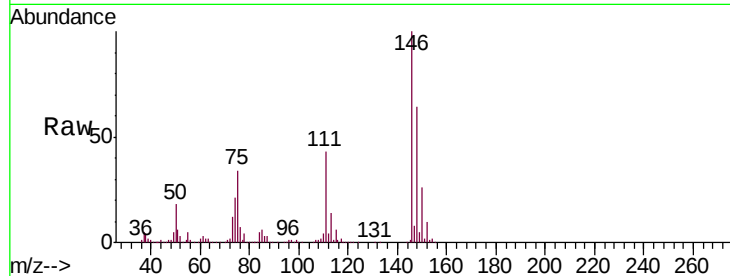




#65
 1,2-Dichlorobenzene
 Concen: 4.682 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

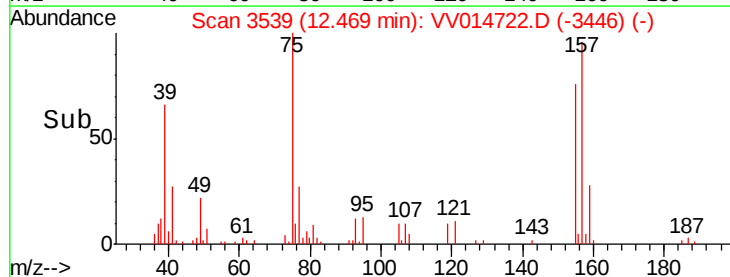
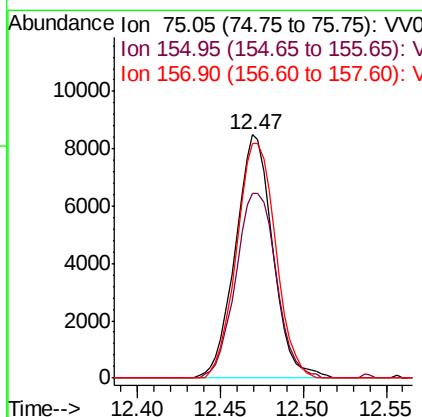
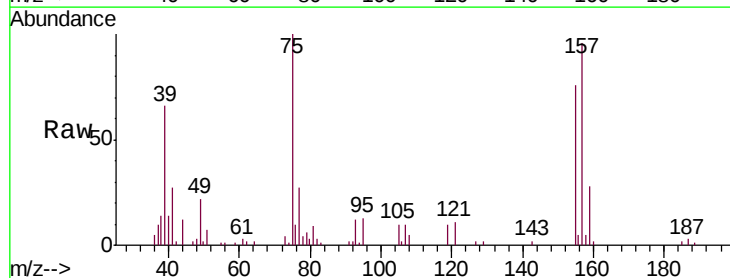
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

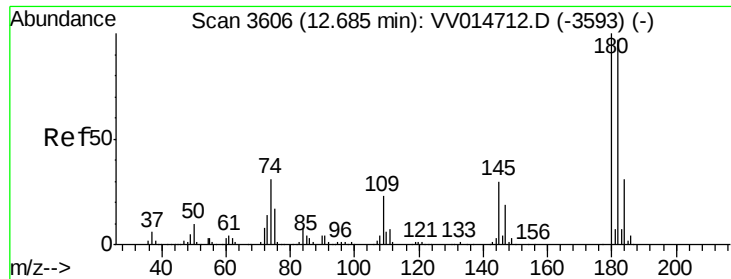
Tgt Ion: 146 Resp: 199123
 Ion Ratio Lower Upper
 146 100
 111 42.6 31.8 47.8
 148 64.3 49.8 74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.720 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Tgt Ion: 75 Resp: 13284
 Ion Ratio Lower Upper
 75 100
 155 75.7 68.3 102.5
 157 96.3 84.7 127.1

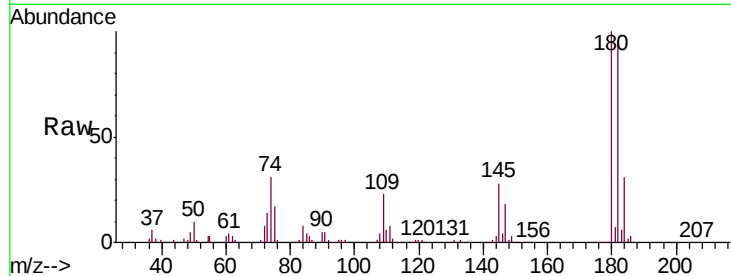




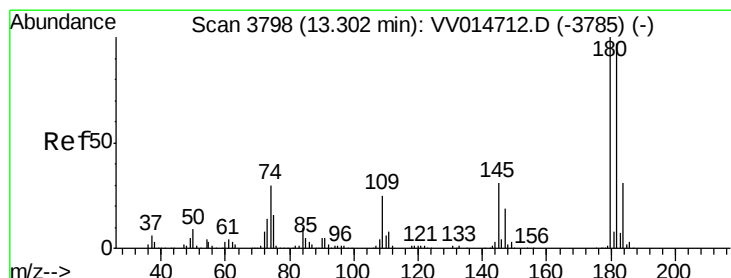
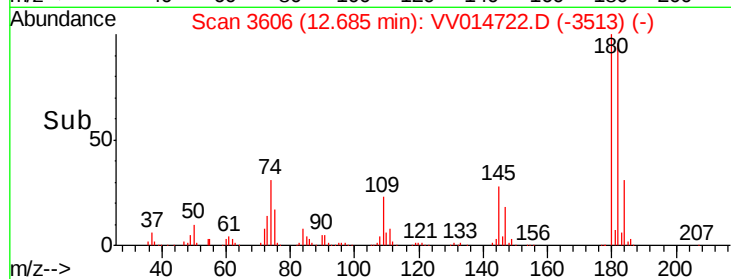
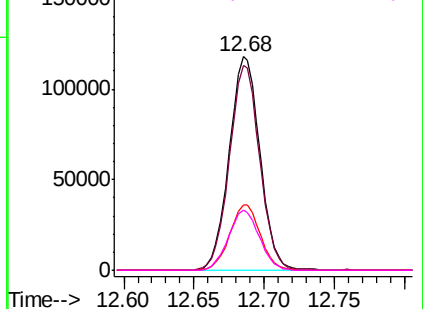
#67
 1,3,5-Trichlorobenzene
 Concen: 4.807 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:	180	Resp:	179580
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.2	115.8
184	30.5	24.2	36.2
145	28.3	22.9	34.3

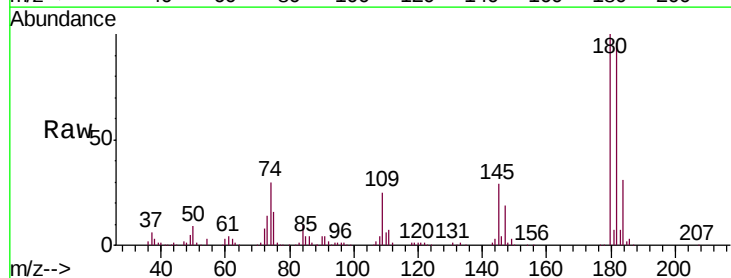


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

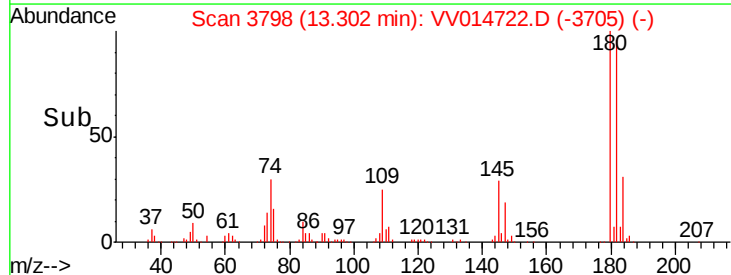
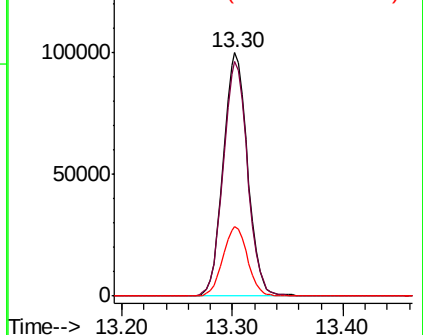


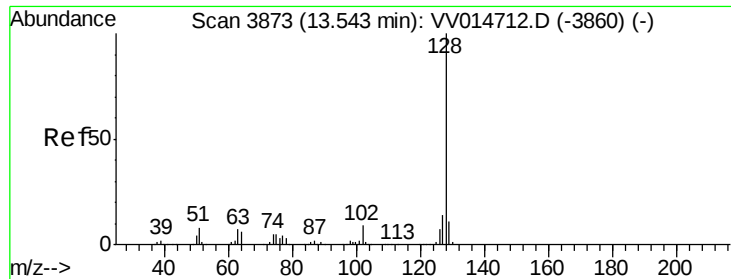
#68
 1,2,4-trichlorobenzene
 Concen: 4.766 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014722.D
 Acq: 28 Feb 2020 21:17

Tgt Ion:	180	Resp:	152873
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.4	116.2
145	29.0	24.2	36.2



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: 4.775 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

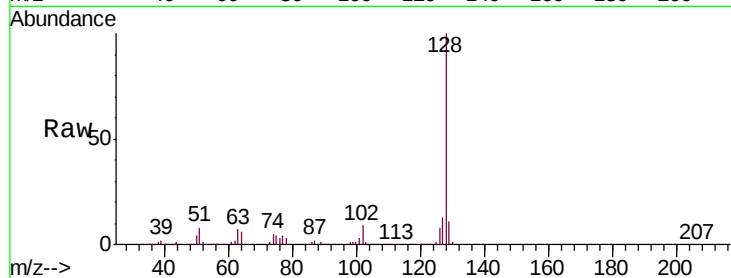
Tgt Ion:128 Resp: 249376

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

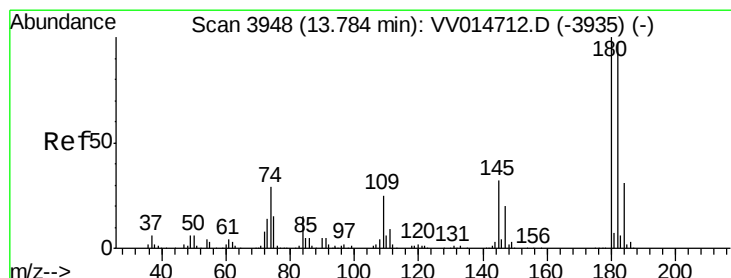
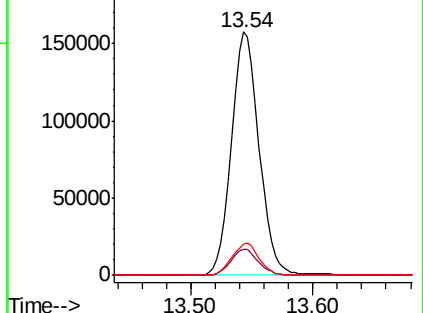
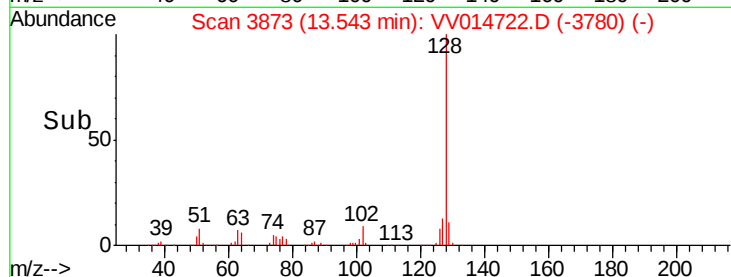
127 13.0 10.7 16.1



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: 4.803 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014722.D

Acq: 28 Feb 2020 21:17

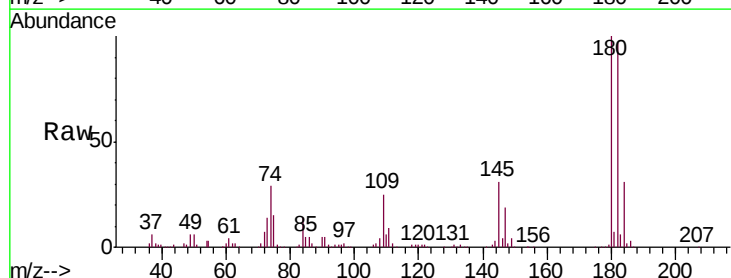
Tgt Ion:180 Resp: 137496

Ion Ratio Lower Upper

180 100

182 97.4 76.7 115.1

145 31.7 25.3 37.9



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

