

Data File : VV012145.D
Acq On : 09 Aug 2019 01:18
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Quant Time: Aug 09 06:50:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:44:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	126846	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	118733	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66830	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23454	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.58	69	17263	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	47932	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	3.95	46	65895	47.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.60%
24) Chloroform-d	4.40	84	71051	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	37763	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.09	84	129332	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	33301	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.36	98	133359	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.66	79	16895	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.13	63	59320	46.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28222	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	55780	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	53098	4.432 ug/L	100
3) Chloromethane	1.25	50	24124	4.534 ug/L	99
5) Vinyl chloride	1.32	62	28206	4.577 ug/L	99
6) Bromomethane	1.53	94	15178	4.210 ug/L	97
8) Chloroethane	1.60	64	14751	4.429 ug/L	97
9) Trichlorofluoromethane	1.77	101	54605	4.517 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	24115	4.401 ug/L	99
12) 1,1-Dichloroethene	2.14	96	23346	4.615 ug/L	97
13) Acetone	2.21	43	33221	40.524 ug/L	99
14) Carbon disulfide	2.32	76	62928	4.462 ug/L	97
15) Methyl Acetate	2.46	43	7816	4.437 ug/L	90
16) Methylene chloride	2.53	84	23083	4.303 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	81745	4.618 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	33935	4.516 ug/L	93
19) 1,1-Dichloroethane	3.23	63	55468	4.511 ug/L	98
21) 2-Butanone	4.03	43	66607	47.015 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	37014	4.460 ug/L	87

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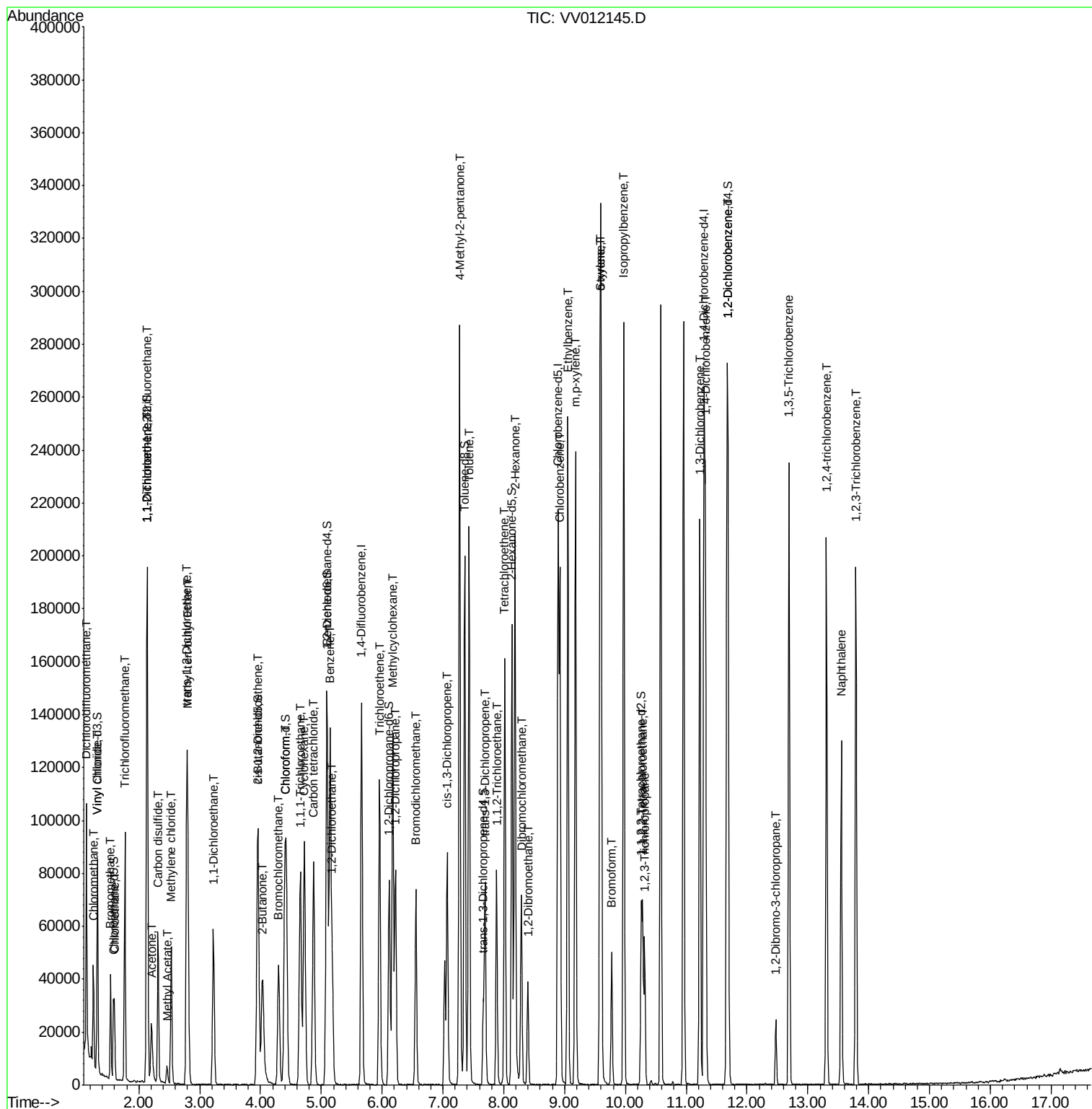
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	18158	4.594	ug/L	95
25) Chloroform	4.42	83	69318	4.419	ug/L	100
27) 1,2-Dichloroethane	5.18	62	43760	4.631	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	67766	4.597	ug/L	99
30) Cyclohexane	4.72	56	47319	4.521	ug/L	98
31) Carbon tetrachloride	4.87	117	65524	4.594	ug/L	99
33) Benzene	5.14	78	131495	4.547	ug/L	100
34) Trichloroethene	5.96	95	38775	4.496	ug/L	97
35) Methylcyclohexane	6.17	83	56485	4.224	ug/L	99
37) 1,2-Dichloropropane	6.22	63	27997	4.454	ug/L	98
38) Bromodichloromethane	6.55	83	49089	4.550	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	50405	4.422	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	168582	47.076	ug/L	99
42) Toluene	7.43	91	153613	4.553	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	41303	4.490	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	25104	4.654	ug/L	93
47) Tetrachloroethene	8.02	164	38102	4.567	ug/L	98
48) 2-Hexanone	8.18	43	117402	46.791	ug/L	98
49) Dibromochloromethane	8.29	129	37557	4.631	ug/L	98
50) 1,2-Dibromoethane	8.40	107	25148	4.645	ug/L #	98
51) Chlorobenzene	8.92	112	104370	4.540	ug/L	97
52) Ethylbenzene	9.05	91	174100	4.549	ug/L	96
53) m,p-xylene	9.18	106	69693	4.657	ug/L	99
54) o-xylene	9.59	106	66054	4.557	ug/L	98
55) Styrene	9.60	104	113030	4.687	ug/L	99
56) Isopropylbenzene	9.97	105	182562	4.542	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	27832	4.667	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	21017	4.606	ug/L	99
61) Bromoform	9.77	173	23428	4.519	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	94070	4.578	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	93174	4.523	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	87167	4.569	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	5912	4.779	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	78787	4.465	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	67875	4.622	ug/L	97
69) Naphthalene	13.55	128	105526	4.444	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	63400	4.555	ug/L	98

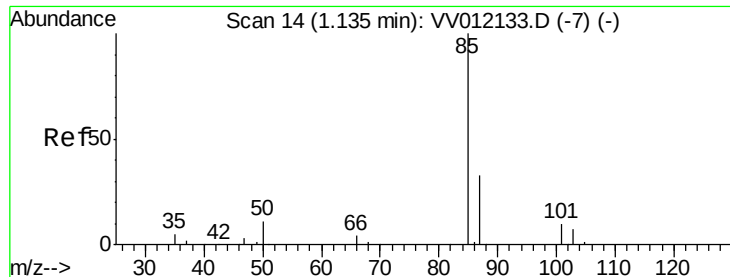
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.432 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

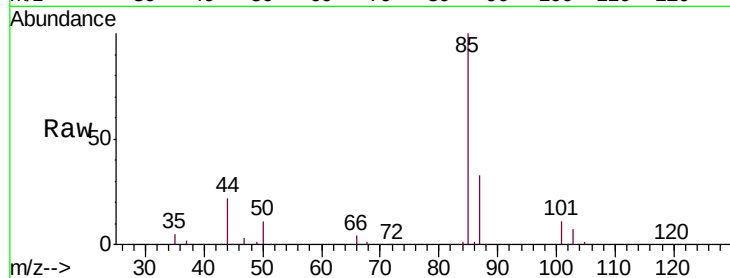
VSTD00559

Tgt Ion: 85 Resp: 53098

Ion Ratio Lower Upper

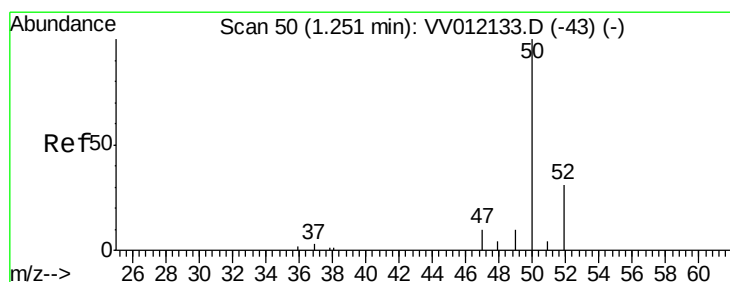
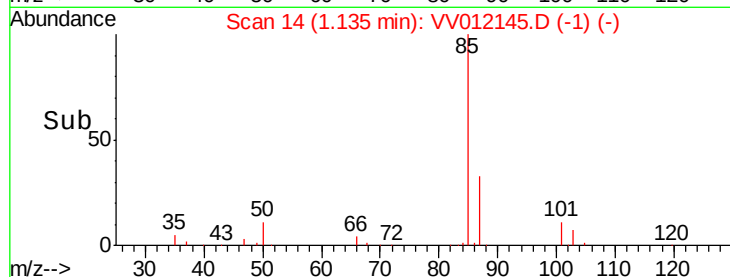
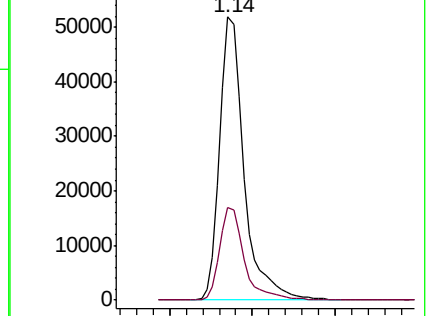
85 100

87 32.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.534 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012145.D

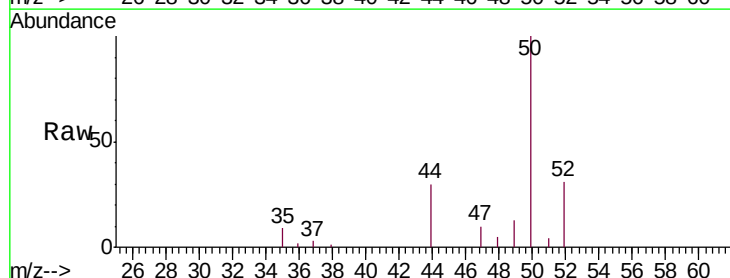
Acq: 09 Aug 2019 01:18

Tgt Ion: 50 Resp: 24124

Ion Ratio Lower Upper

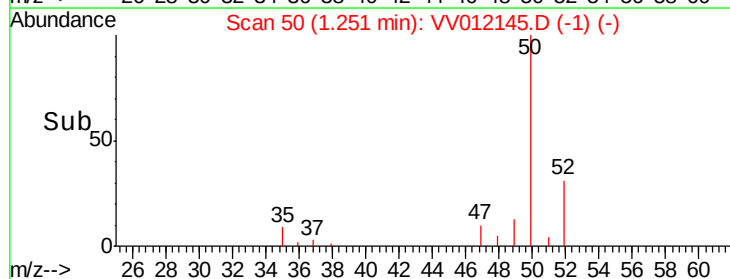
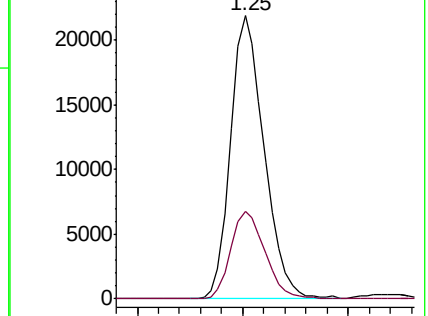
50 100

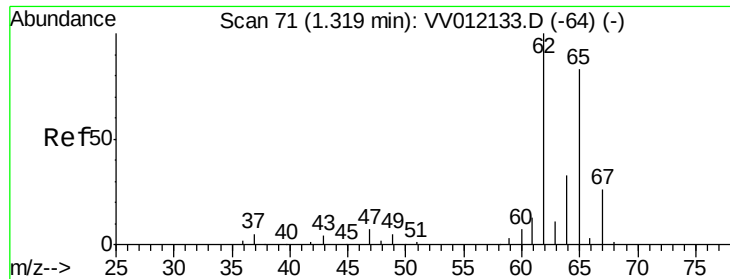
52 31.1 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.577 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

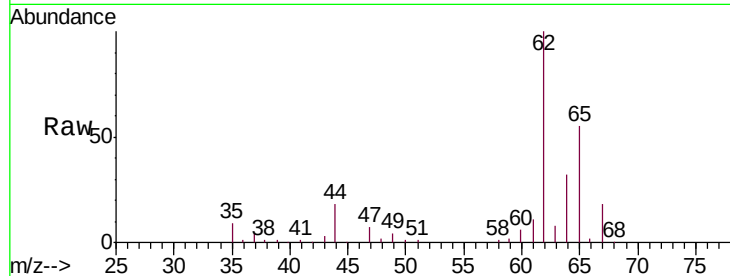
Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Tgt Ion: 62 Resp: 28206

Ion Ratio Lower Upper

62 100

64 32.4 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

30000

25000

20000

15000

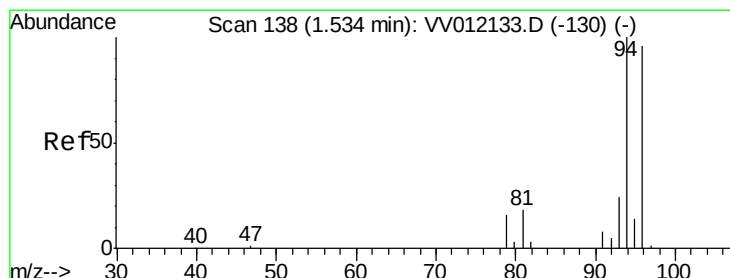
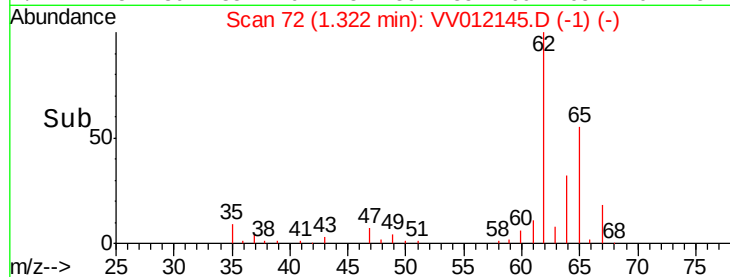
10000

5000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 4.210 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012145.D

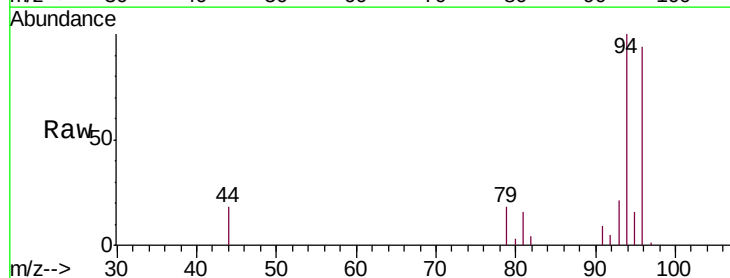
Acq: 09 Aug 2019 01:18

Tgt Ion: 94 Resp: 15178

Ion Ratio Lower Upper

94 100

96 93.7 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

15000

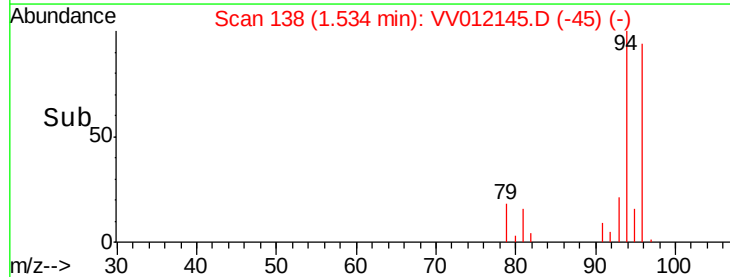
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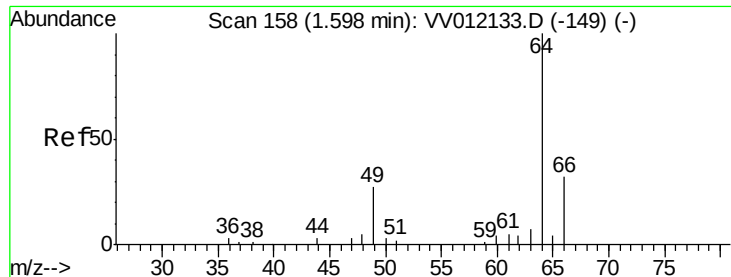
5000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 4.429 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

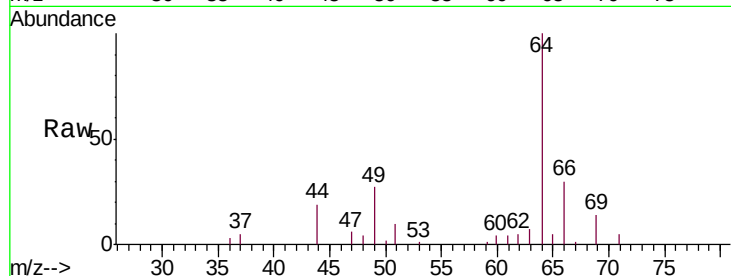
VSTD00559

Tgt Ion: 64 Resp: 14751

Ion Ratio Lower Upper

64 100

66 30.1 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV012133.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012133.D (-149) (-)

1.60

15000

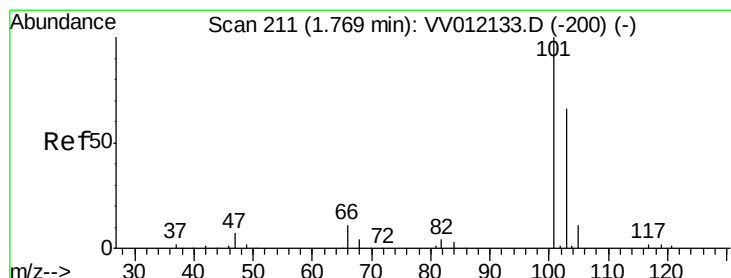
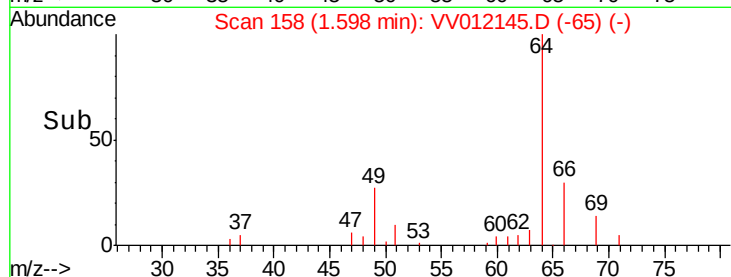
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 4.517 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012145.D

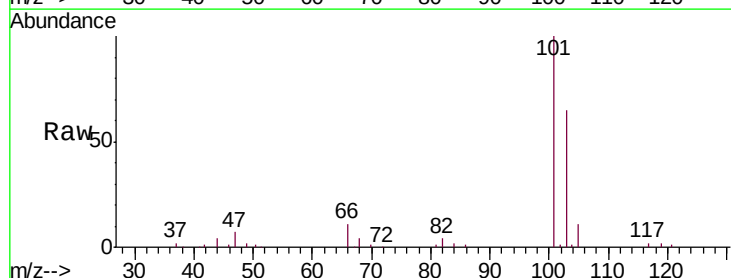
Acq: 09 Aug 2019 01:18

Tgt Ion: 101 Resp: 54605

Ion Ratio Lower Upper

101 100

103 64.2 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): VV012133.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012133.D (-200) (-)

1.77

50000

40000

30000

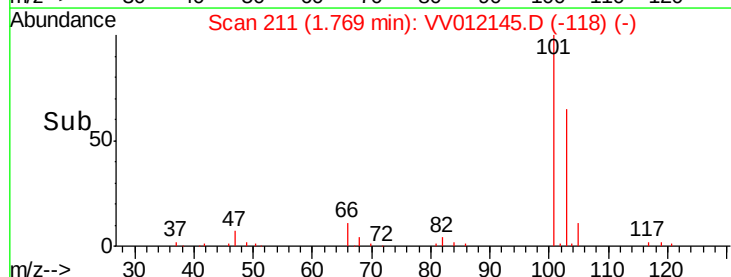
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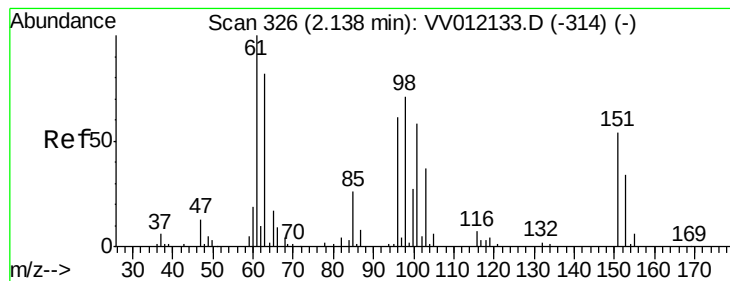
10000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 4.401 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012145.D

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Instrument :

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ClientSampleId :

VSTD00559

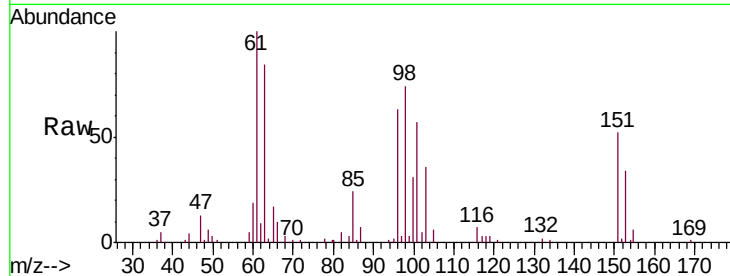
Tgt Ion:101 Resp: 24115

Ion Ratio Lower Upper

101 100

85 42.2 34.3 51.5

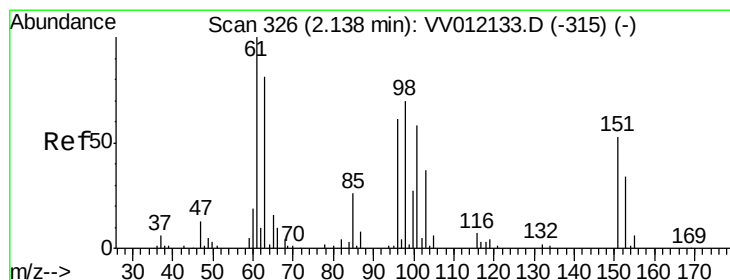
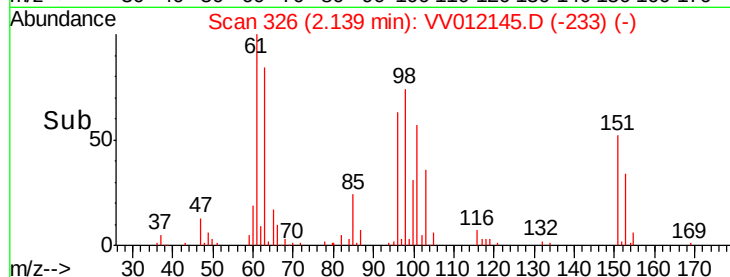
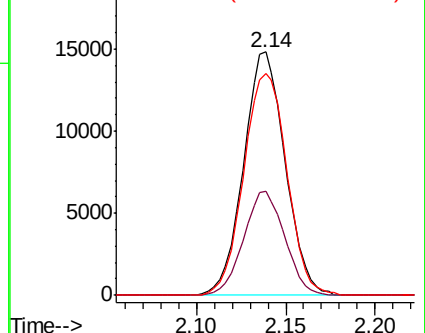
151 94.7 75.0 112.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.615 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

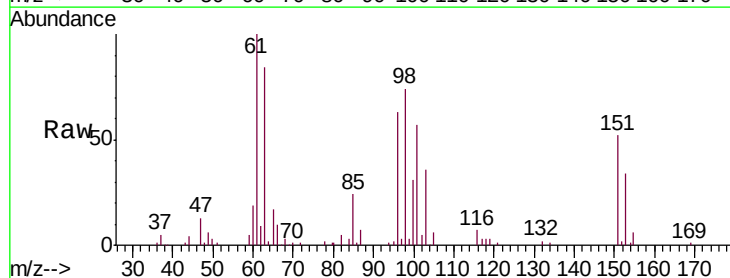
Tgt Ion: 96 Resp: 23346

Ion Ratio Lower Upper

96 100

61 158.3 114.7 213.1

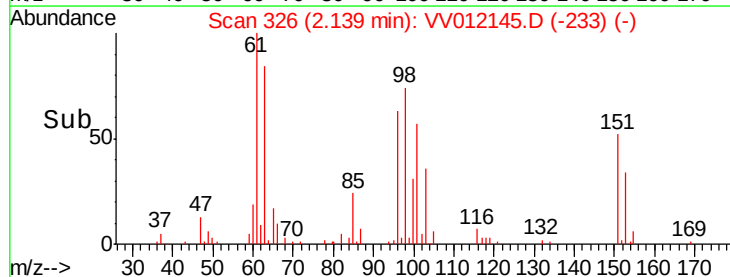
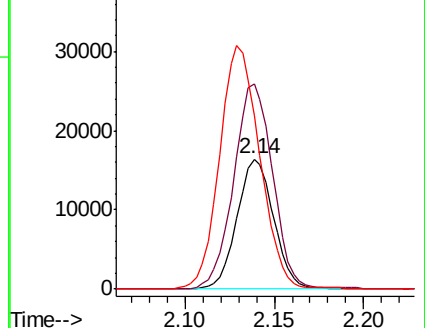
63 133.1 94.9 176.3

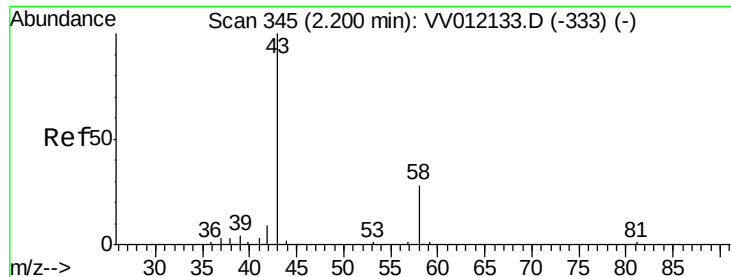


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.524 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

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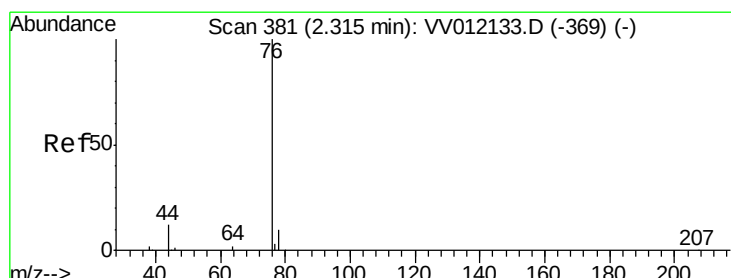
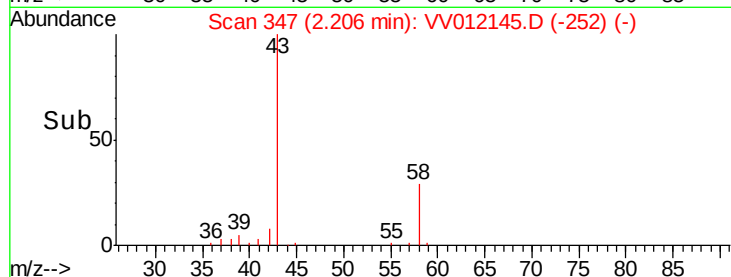
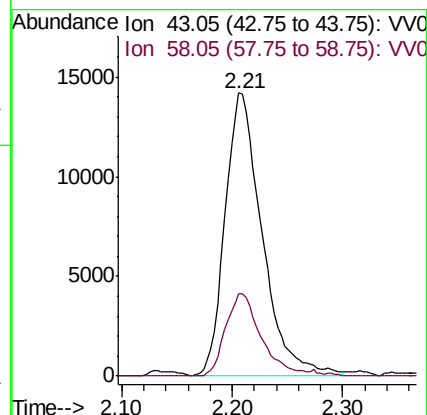
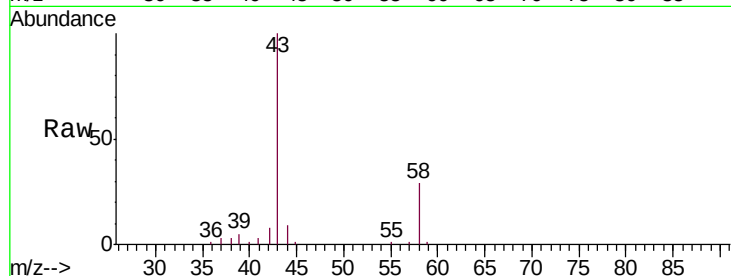
VSTD00559

Tgt Ion: 43 Resp: 33221

Ion Ratio Lower Upper

43 100

58 27.9 0.0 54.6



#14

Carbon disulfide

Concen: 4.462 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012145.D

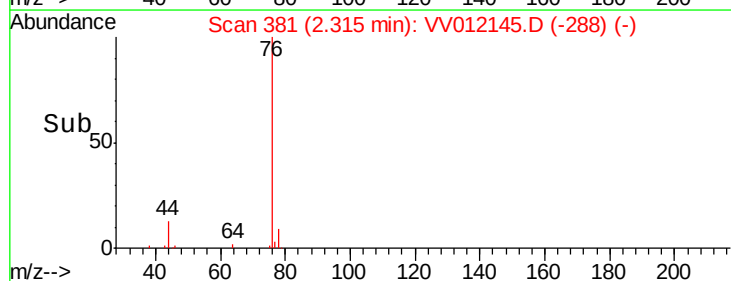
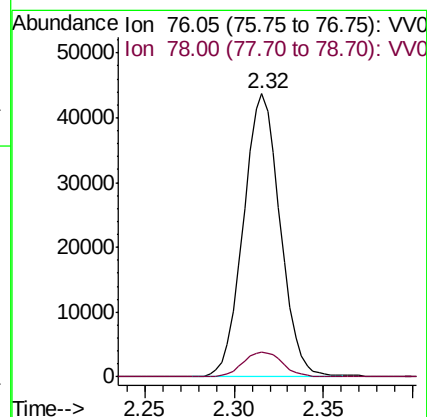
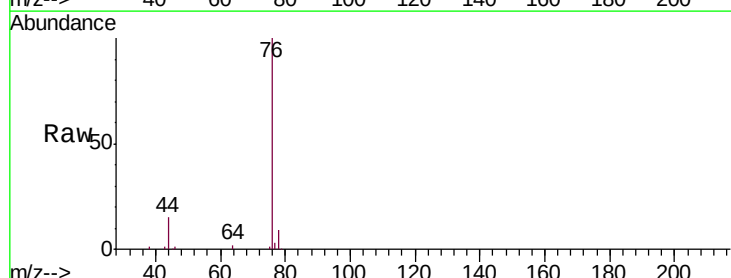
Acq: 09 Aug 2019 01:18

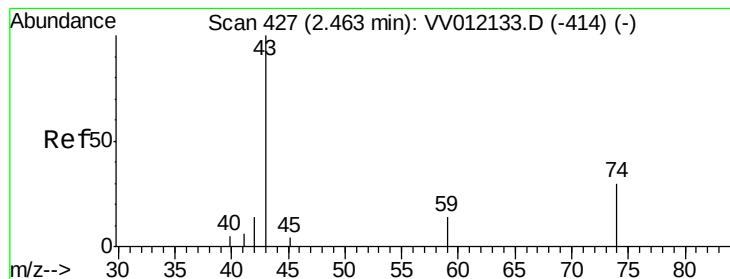
Tgt Ion: 76 Resp: 62928

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8





#15

Methyl Acetate

Concen: 4.437 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

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ClientSampleId :

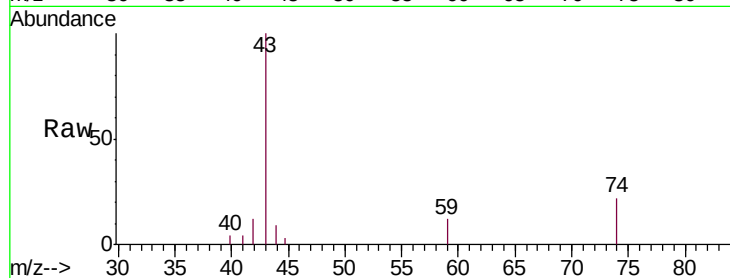
VSTD00559

Tgt Ion: 43 Resp: 7816

Ion Ratio Lower Upper

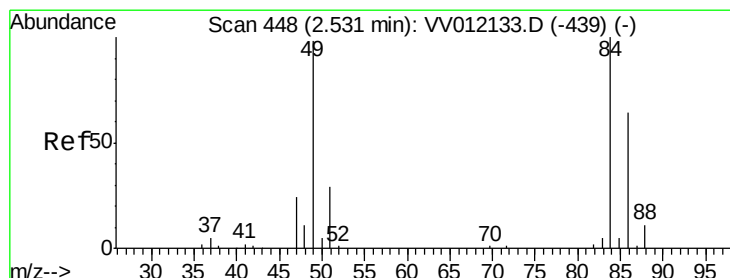
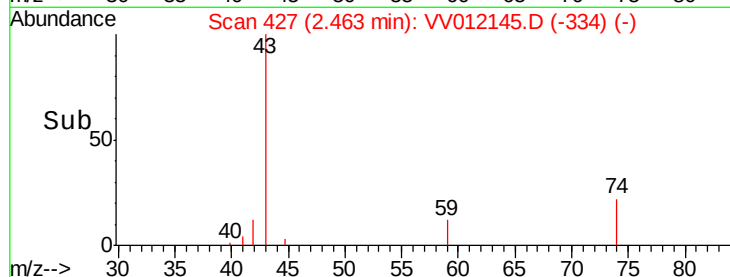
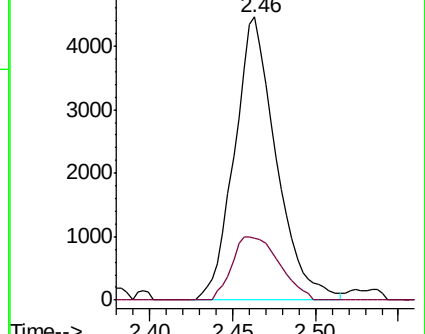
43 100

74 25.3 24.6 36.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.303 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

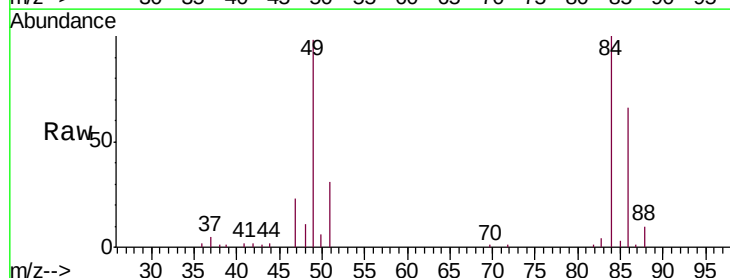
Tgt Ion: 84 Resp: 23083

Ion Ratio Lower Upper

84 100

86 65.6 45.4 84.2

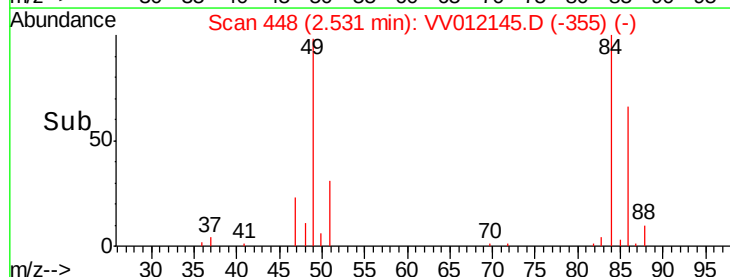
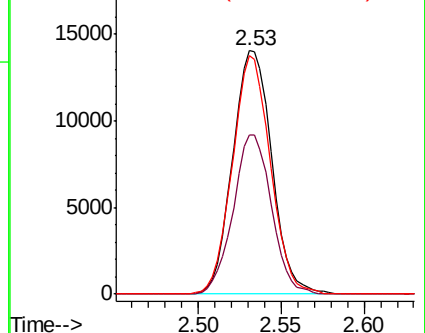
49 98.1 69.2 128.4

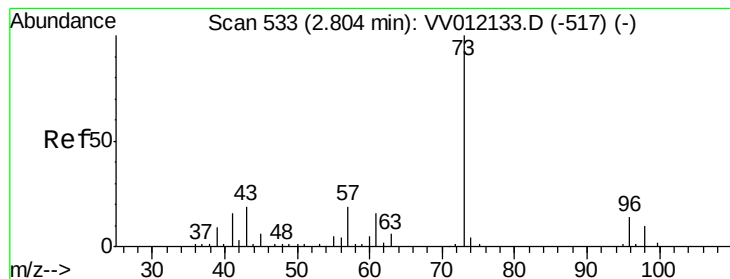


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 4.618 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

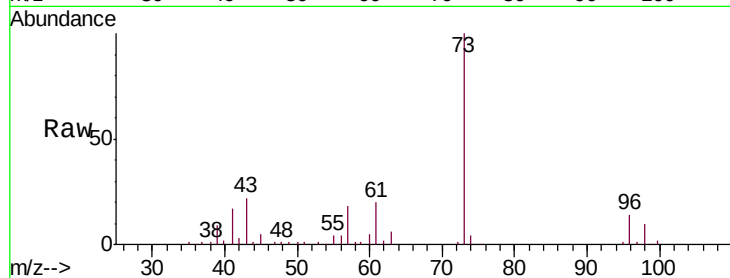
Tgt Ion: 73 Resp: 81745

Ion Ratio Lower Upper

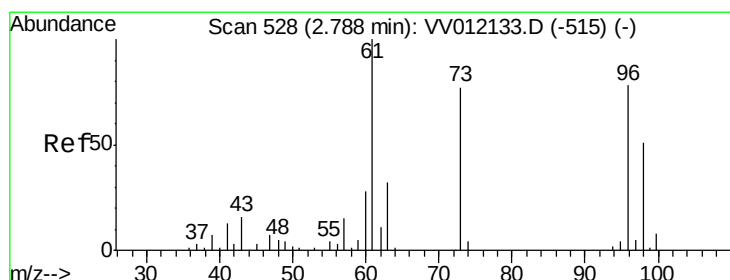
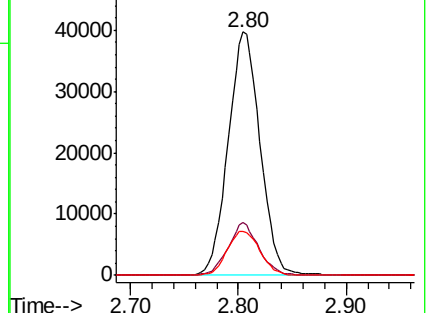
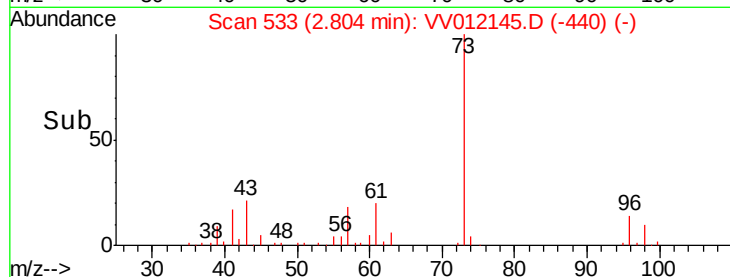
73 100

43 20.6 15.9 23.9

57 18.6 15.0 22.4



Abundance Ion 73.10 (72.80 to 73.80): VV012145.D (-440) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.516 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

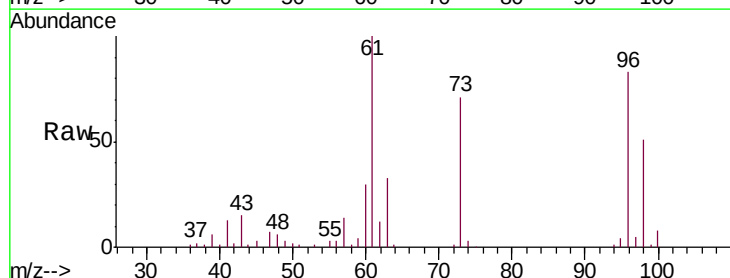
Tgt Ion: 96 Resp: 33935

Ion Ratio Lower Upper

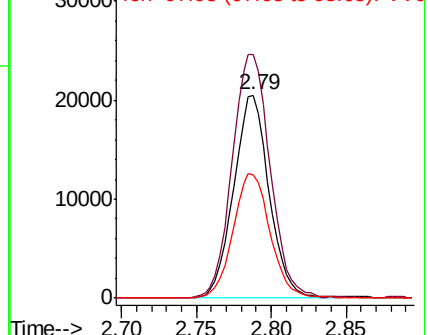
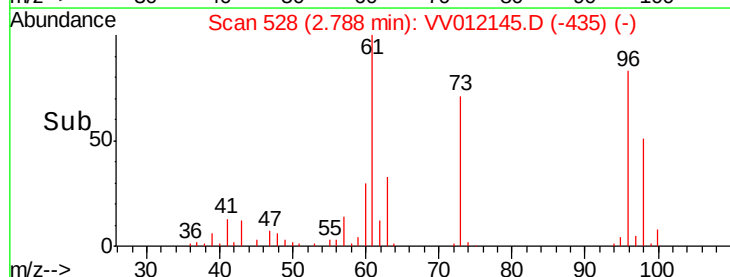
96 100

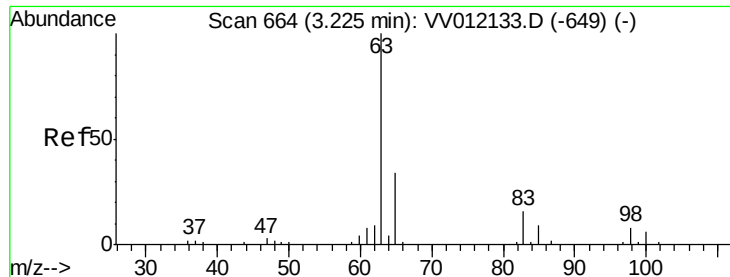
61 119.9 89.9 167.0

98 60.9 45.6 84.6



Abundance Ion 96.00 (95.70 to 96.70): VV012145.D (-435) (-)

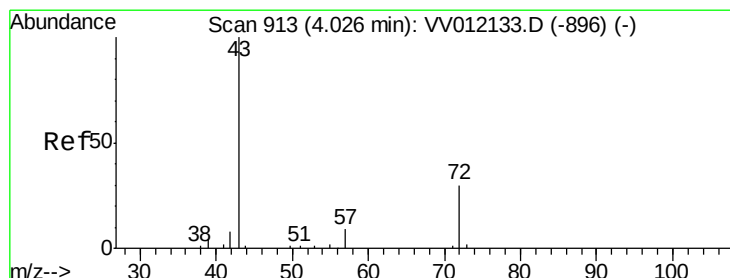
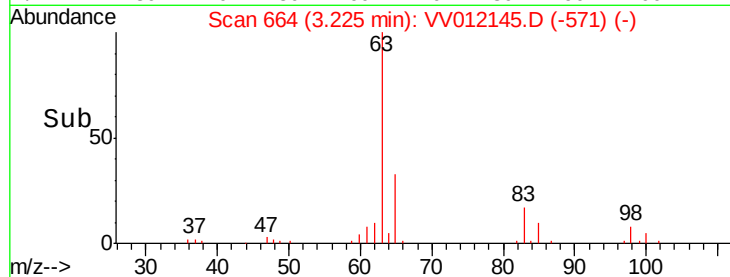
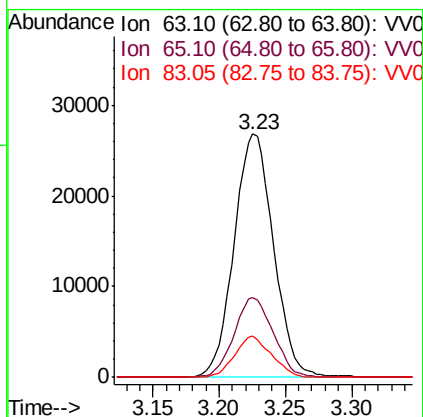
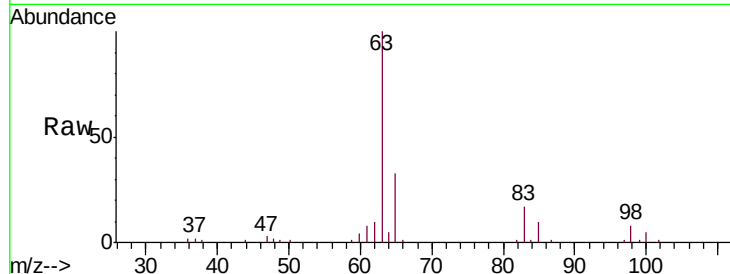




#19
 1,1-Dichloroethane
 Concen: 4.511 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

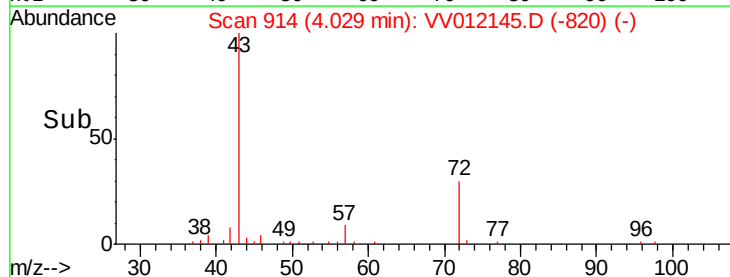
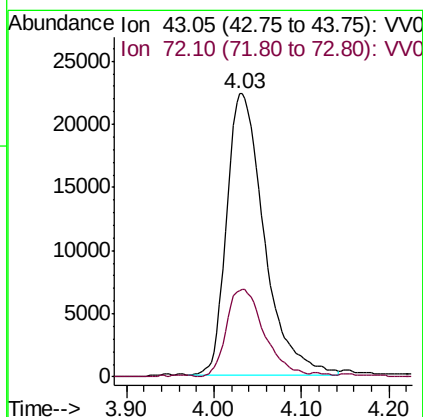
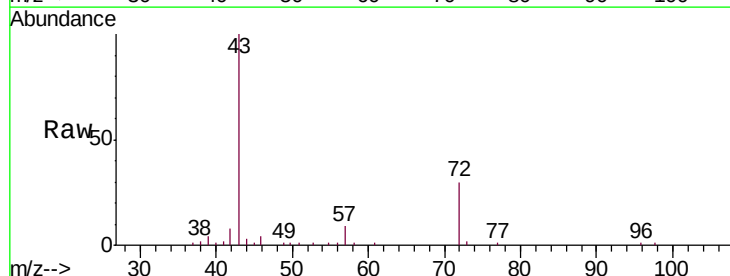
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

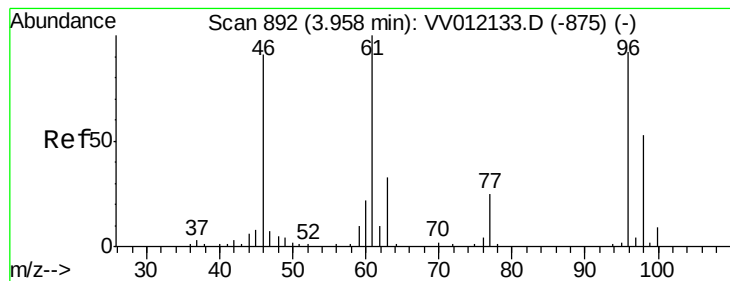
Tgt Ion: 63 Resp: 55468
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.5 43.7
 83 16.8 11.0 20.4



#21
 2-Butanone
 Concen: 47.015 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion: 43 Resp: 66607
 Ion Ratio Lower Upper
 43 100
 72 31.6 14.8 44.3



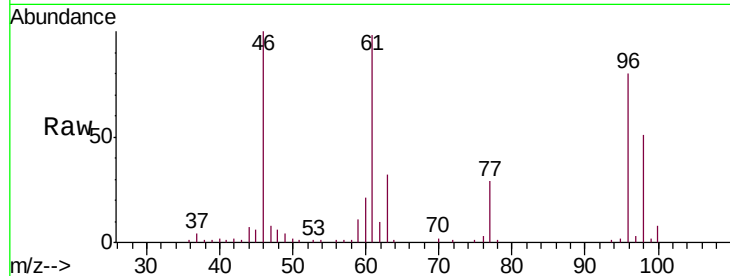


#22

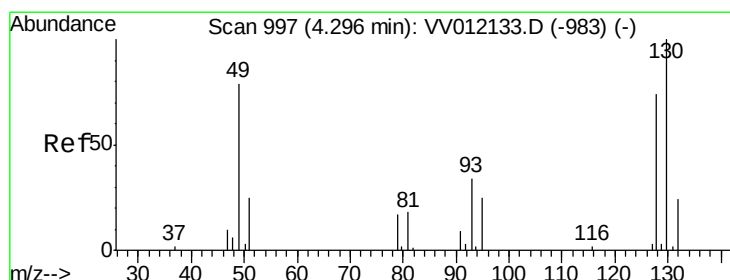
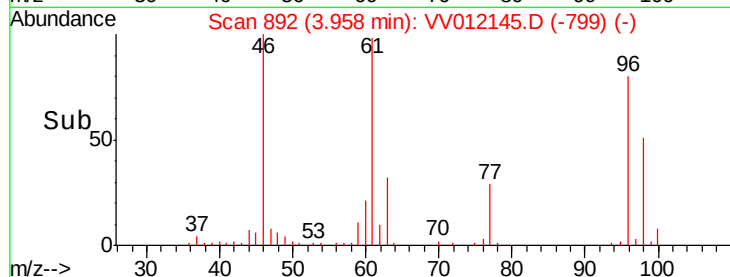
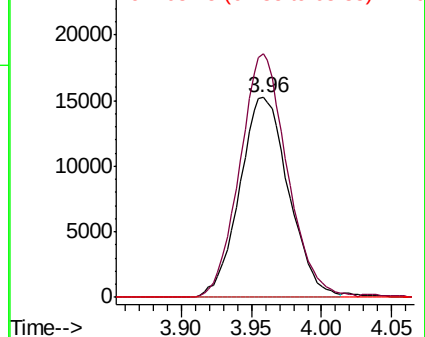
cis-1,2-Dichloroethene
Concen: 4.460 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Tgt Ion: 96 Resp: 37014
Ion Ratio Lower Upper
96 100
61 122.0 76.2 141.4
68 0.0 0.0 0.0



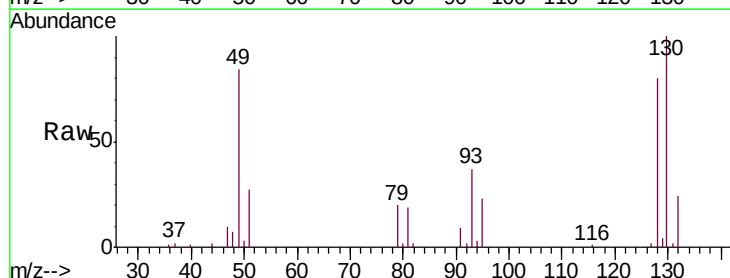
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



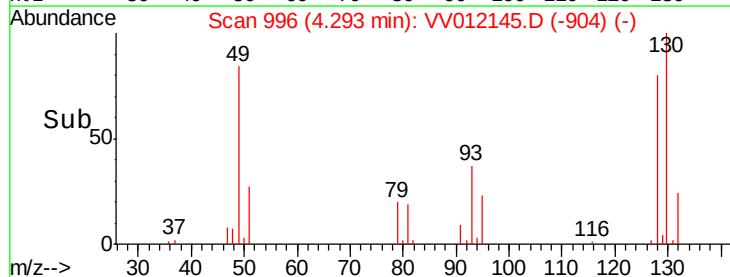
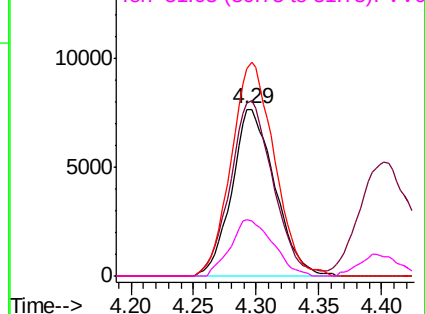
#23

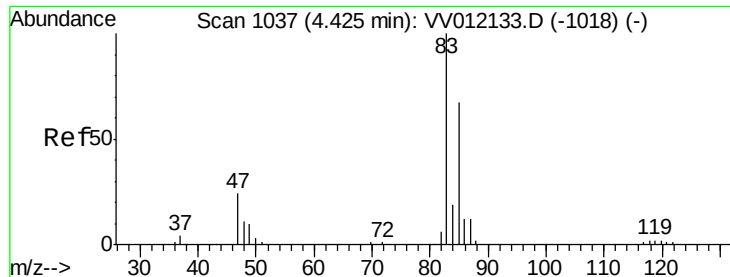
Bromochloromethane
Concen: 4.594 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

Tgt Ion: 128 Resp: 18158
Ion Ratio Lower Upper
128 100
49 103.8 74.6 138.6
130 124.3 94.0 174.6
51 34.1 26.9 40.3



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

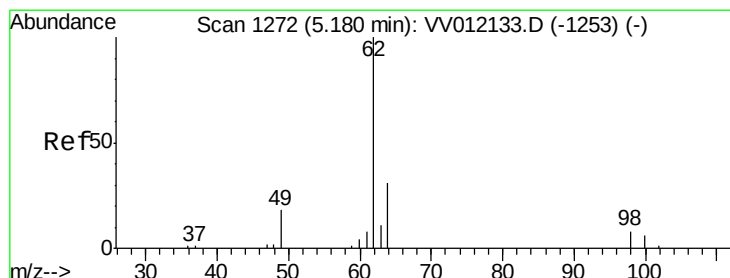
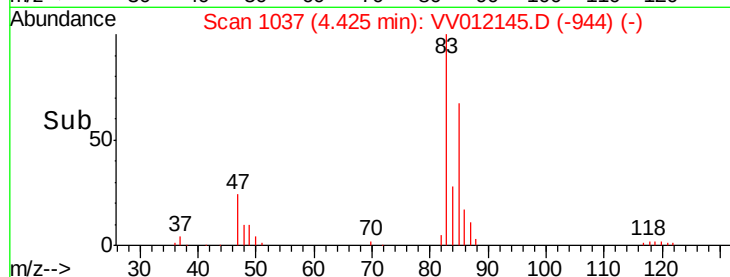
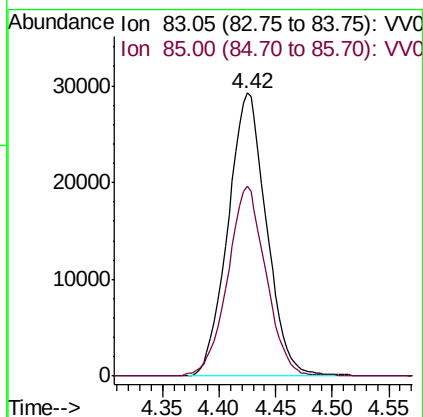
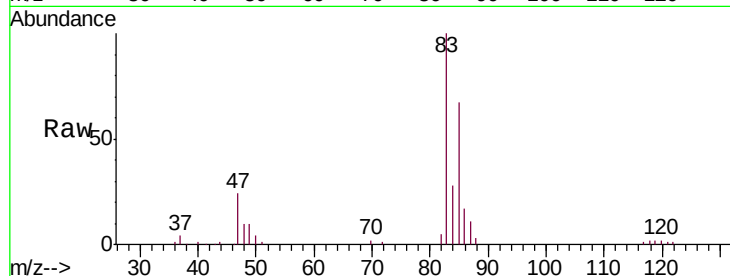




#25
Chloroform
Concen: 4.419 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

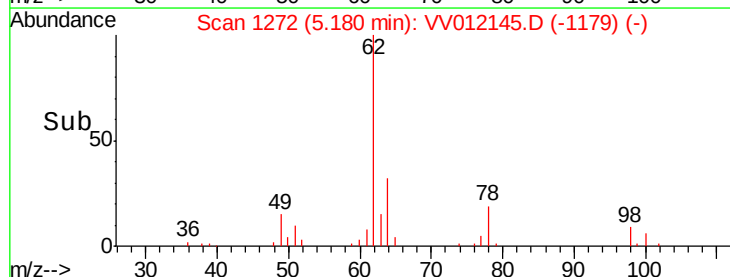
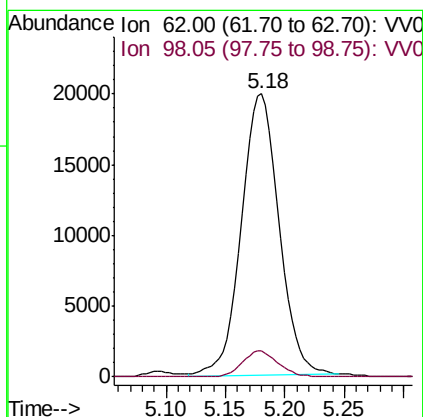
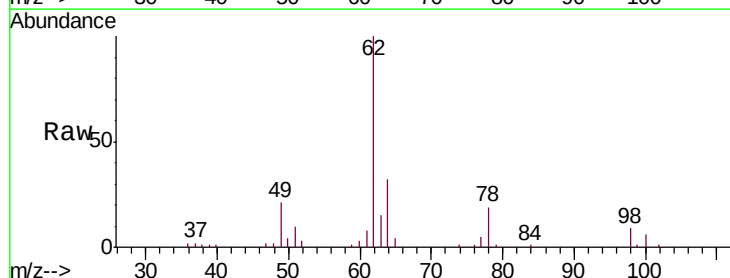
Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

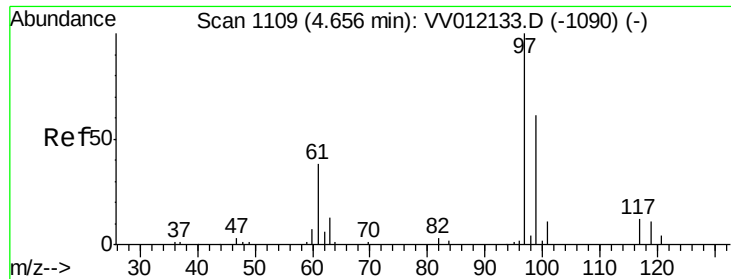
Tgt Ion: 83 Resp: 69318
Ion Ratio Lower Upper
83 100
85 67.1 47.1 87.5



#27
1,2-Dichloroethane
Concen: 4.631 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

Tgt Ion: 62 Resp: 43760
Ion Ratio Lower Upper
62 100
98 9.2 6.4 9.6

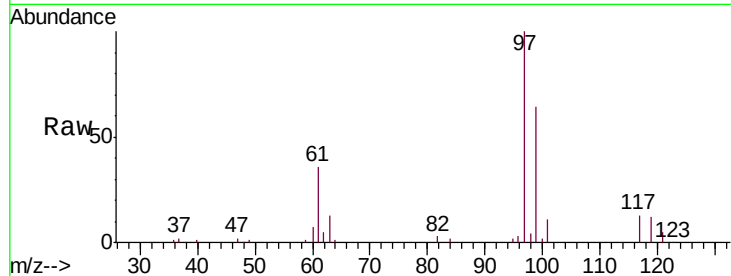




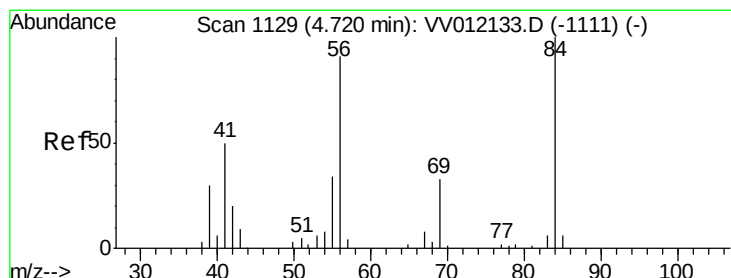
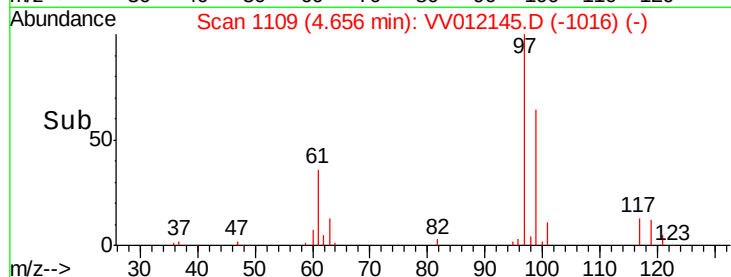
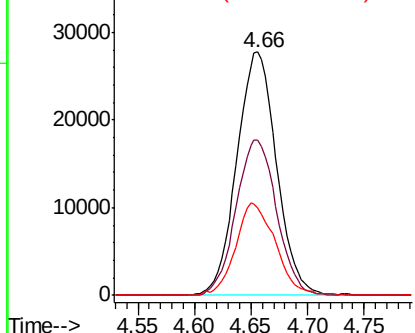
#29
 1,1,1-Trichloroethane
 Concen: 4.597 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion: 97 Resp: 67766
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.0 78.0
 61 37.9 31.4 47.0

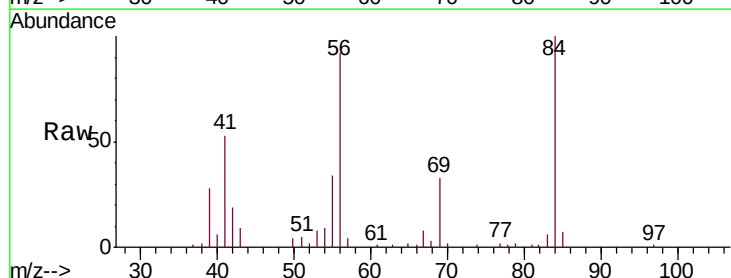


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

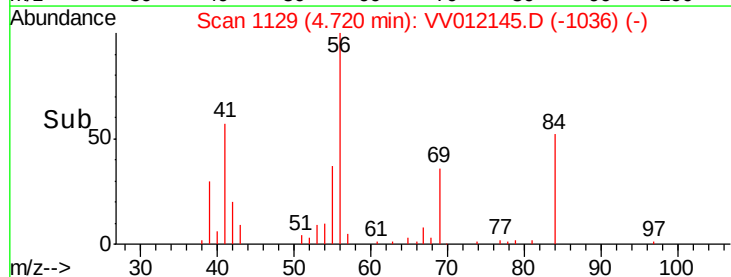
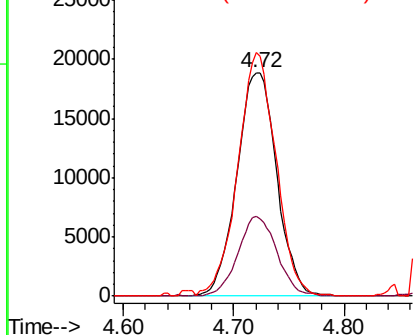


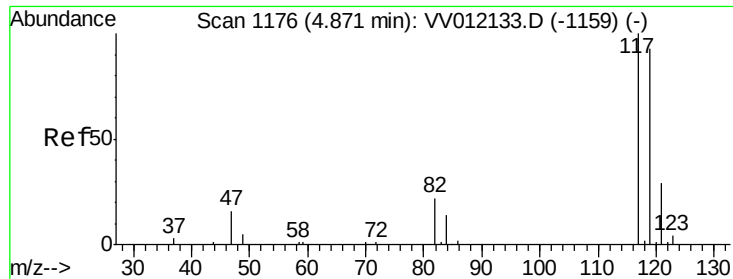
#30
 Cyclohexane
 Concen: 4.521 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion: 56 Resp: 47319
 Ion Ratio Lower Upper
 56 100
 69 34.7 28.0 42.0
 84 104.1 85.4 128.0



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: 4.594 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

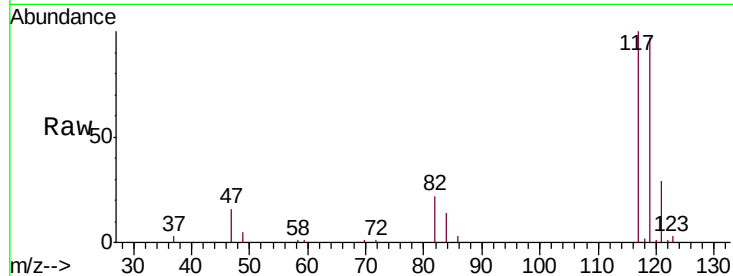
VSTD00559

Tgt Ion:117 Resp: 65524

Ion Ratio Lower Upper

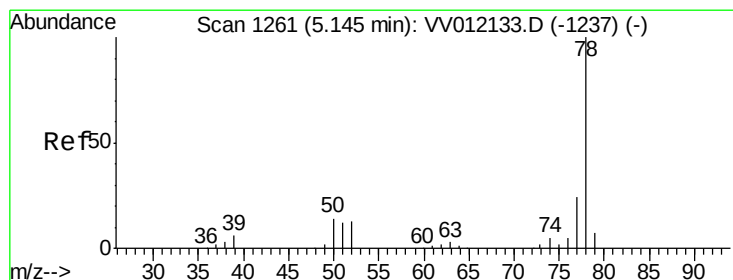
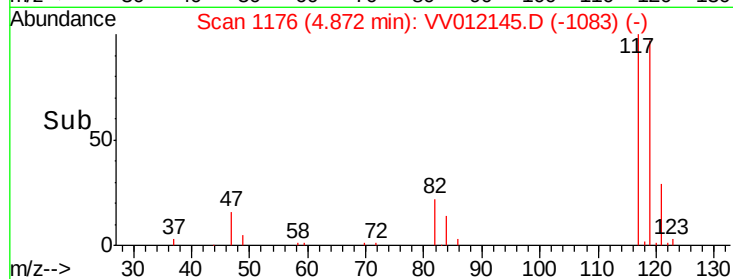
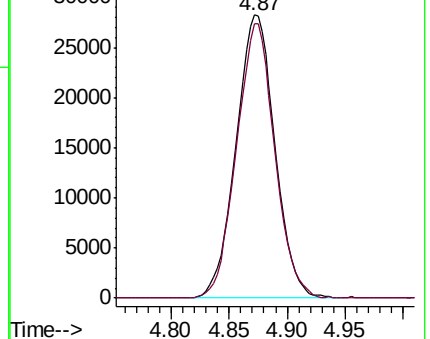
117 100

119 95.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.547 ug/L

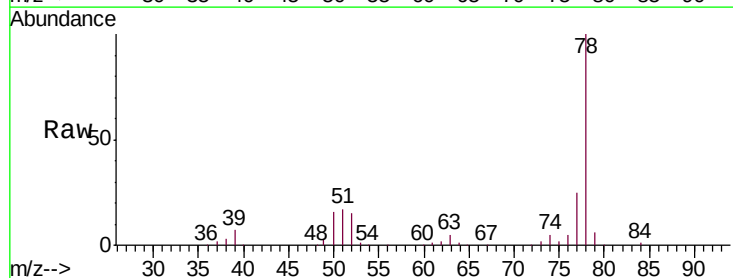
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

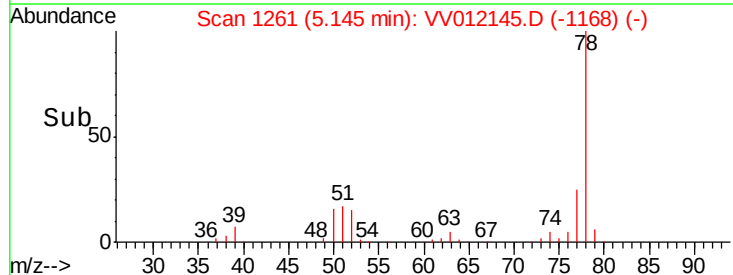
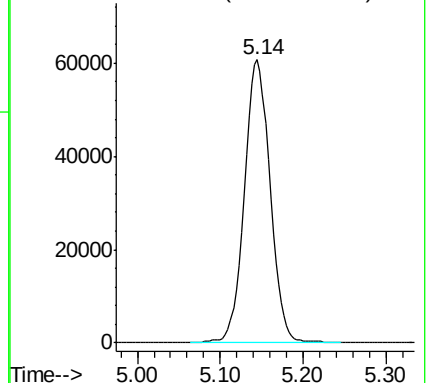
Lab File: VV012145.D

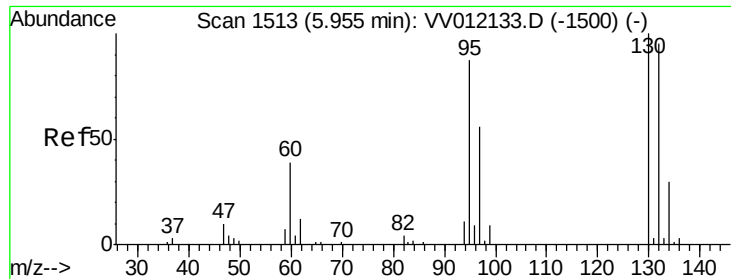
Acq: 09 Aug 2019 01:18

Tgt Ion: 78 Resp: 131495



Abundance Ion 78.10 (77.80 to 78.80): VV0

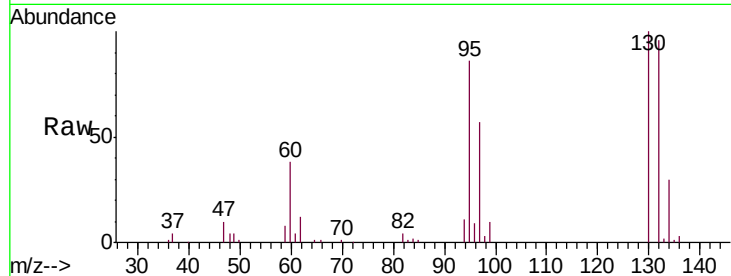




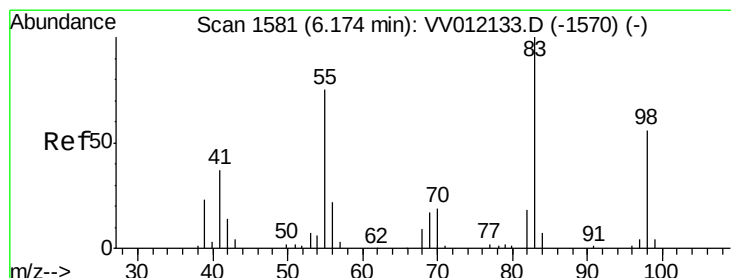
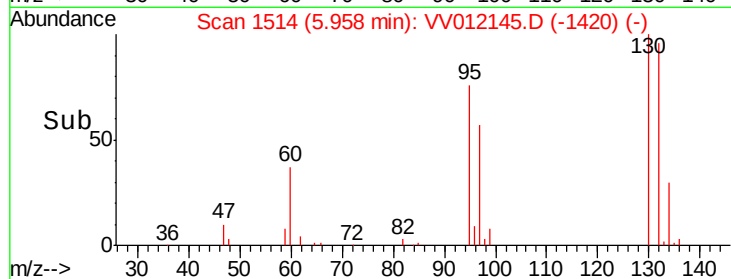
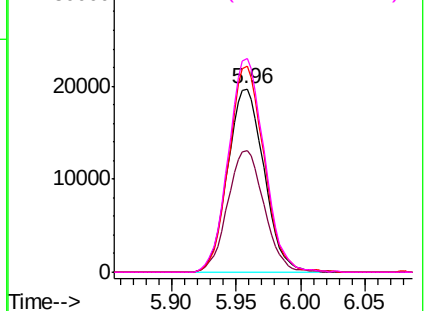
#34
 Trichloroethene
 Concen: 4.496 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion: 95 Resp: 38775
 Ion Ratio Lower Upper
 95 100
 97 66.7 44.6 82.8
 132 112.3 75.9 141.1
 130 116.5 80.2 148.9

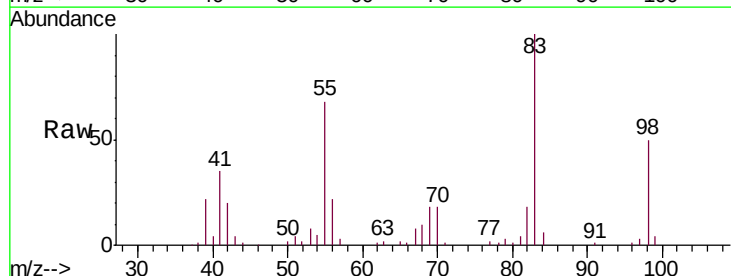


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

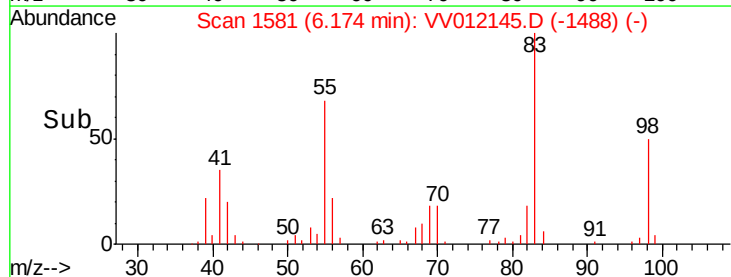
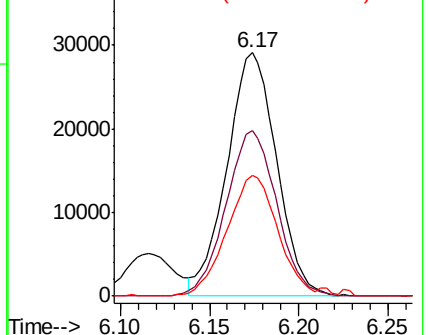


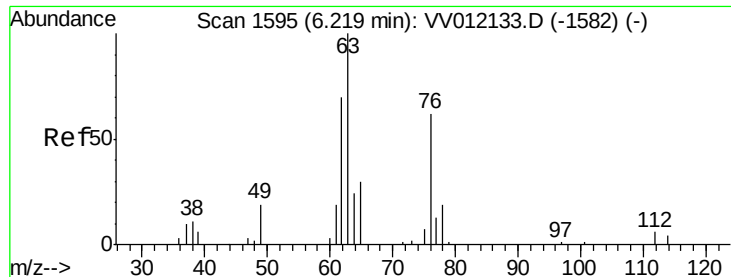
#35
 Methylcyclohexane
 Concen: 4.224 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion: 83 Resp: 56485
 Ion Ratio Lower Upper
 83 100
 55 69.5 55.0 82.6
 98 50.7 40.4 60.6



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

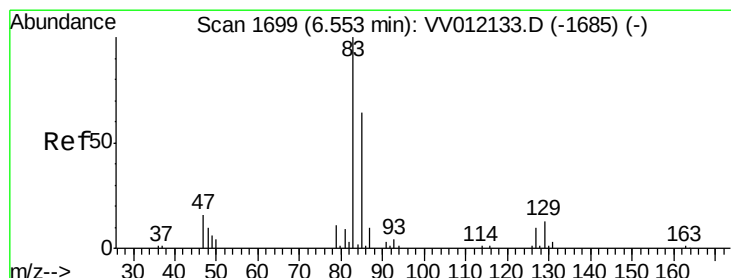
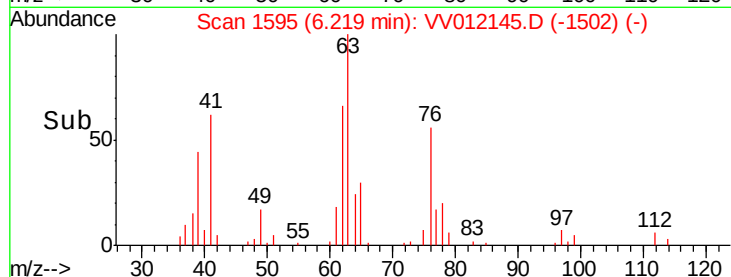
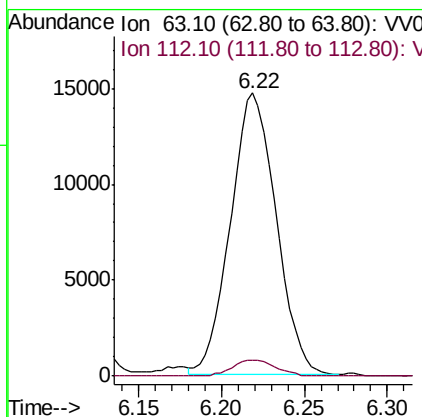
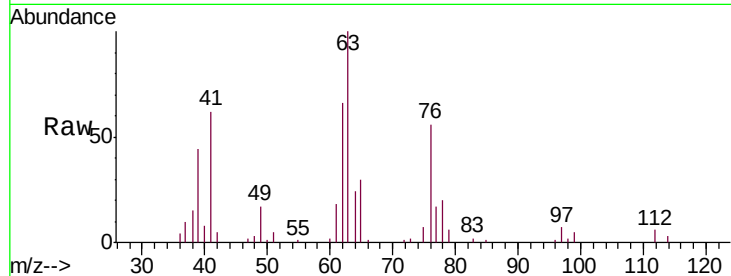




#37
 1,2-Dichloropropane
 Concen: 4.454 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

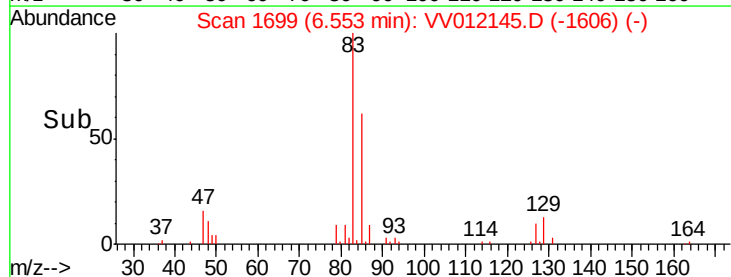
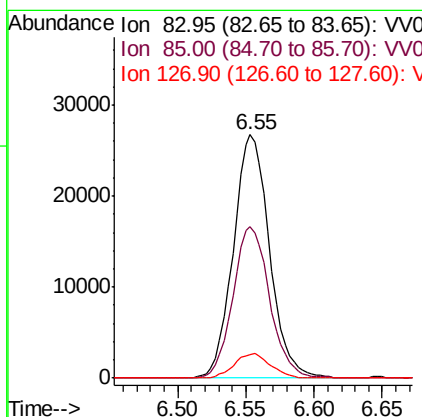
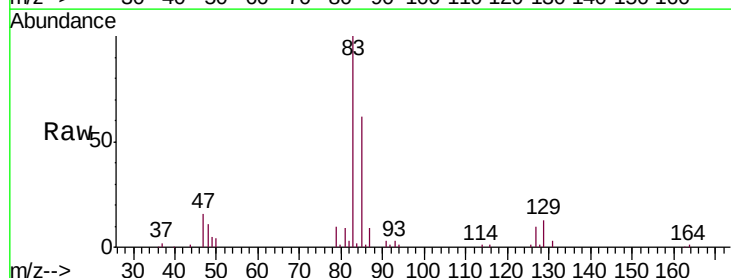
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

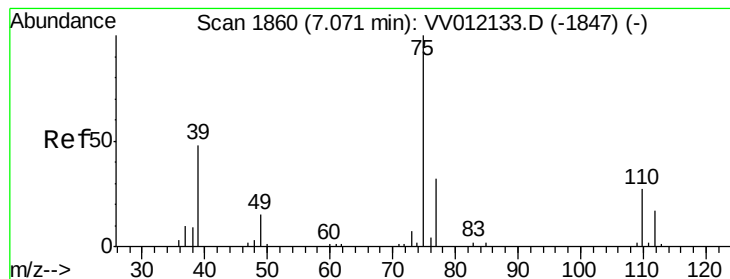
Tgt Ion: 63 Resp: 27997
 Ion Ratio Lower Upper
 63 100
 112 5.5 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.550 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion: 83 Resp: 49089
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.9 83.5
 127 9.9 8.2 12.2



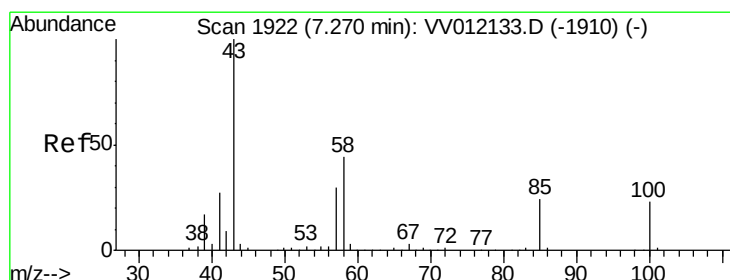
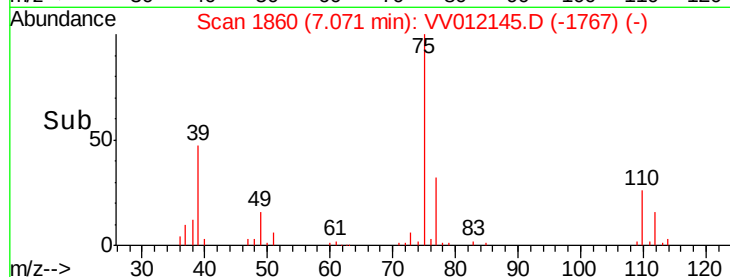
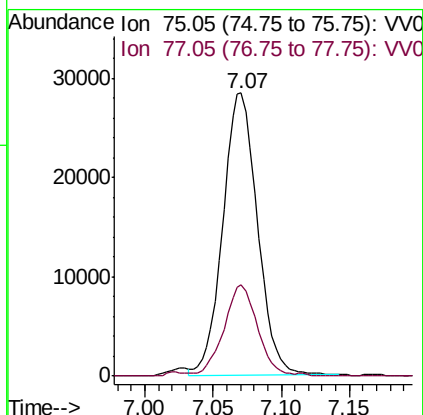
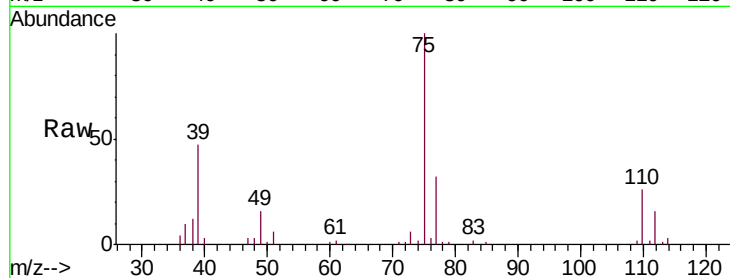


#39

cis-1,3-Dichloropropene
 Concen: 4.422 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

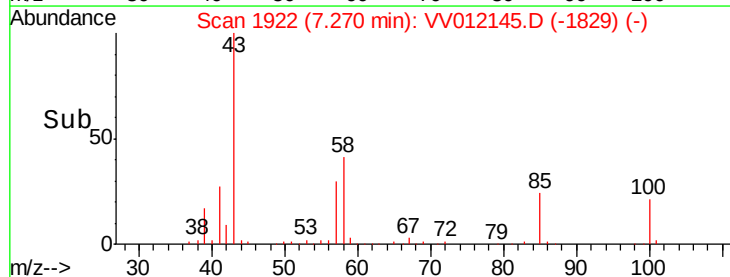
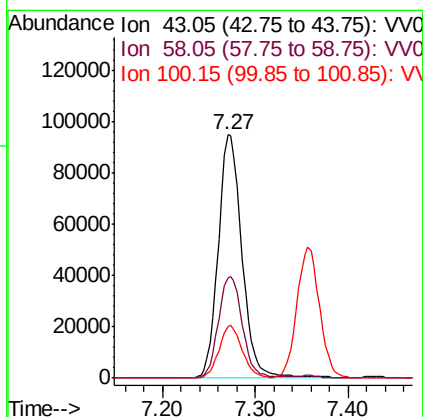
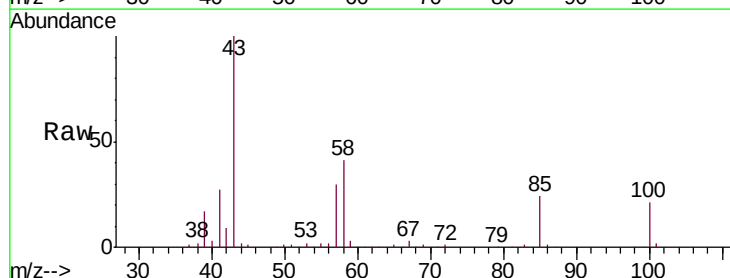
Tgt Ion: 75 Resp: 50405
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.5 41.7

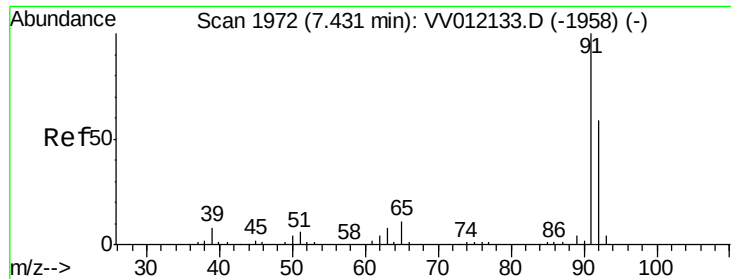


#40

4-Methyl-2-pentanone
 Concen: 47.076 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion: 43 Resp: 168582
 Ion Ratio Lower Upper
 43 100
 58 42.2 34.2 51.2
 100 21.2 17.0 25.6





#42

Toluene

Concen: 4.553 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

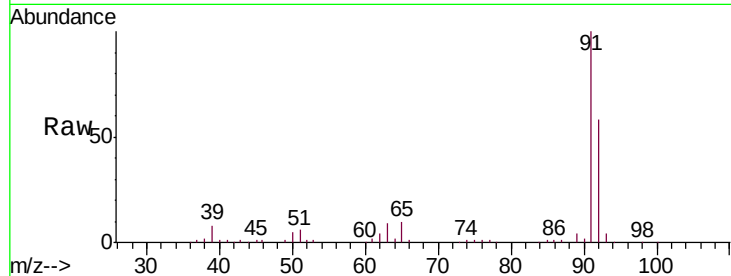
VSTD00559

Tgt Ion: 91 Resp: 153613

Ion Ratio Lower Upper

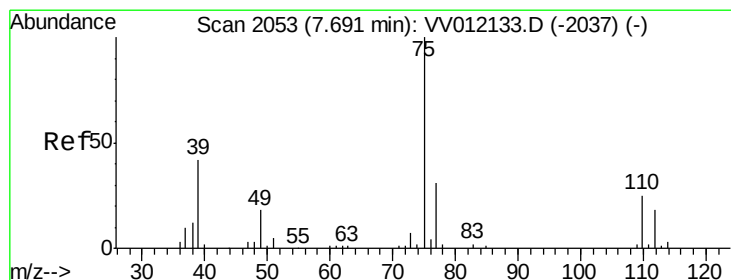
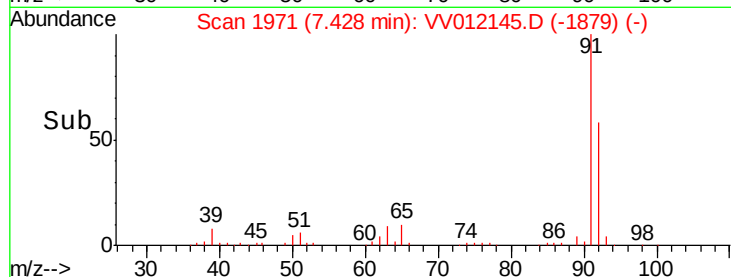
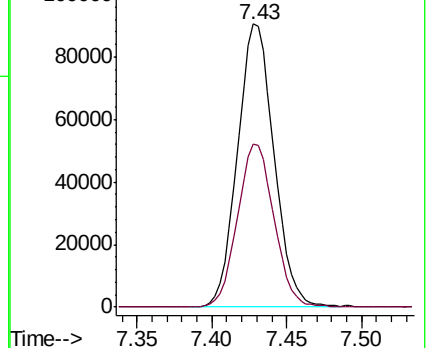
91 100

92 57.5 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.490 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012145.D

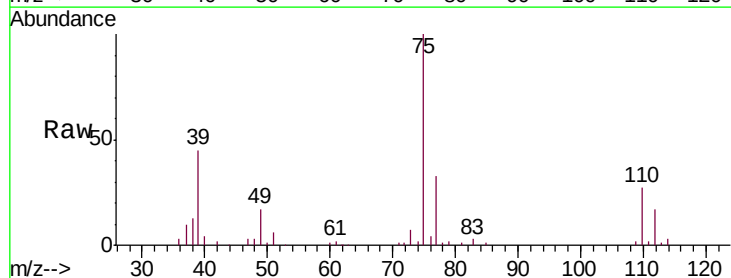
Acq: 09 Aug 2019 01:18

Tgt Ion: 75 Resp: 41303

Ion Ratio Lower Upper

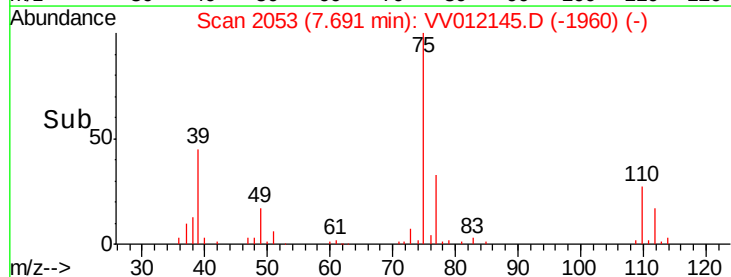
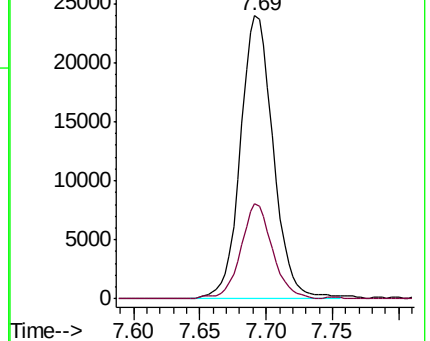
75 100

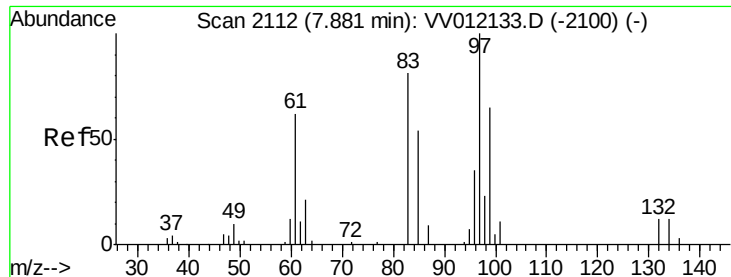
77 33.4 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

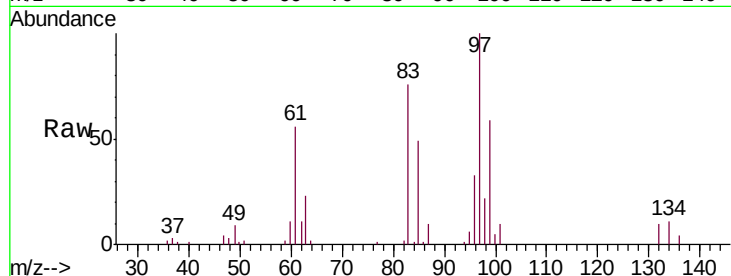




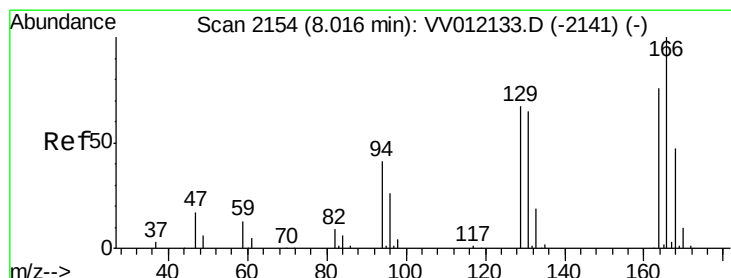
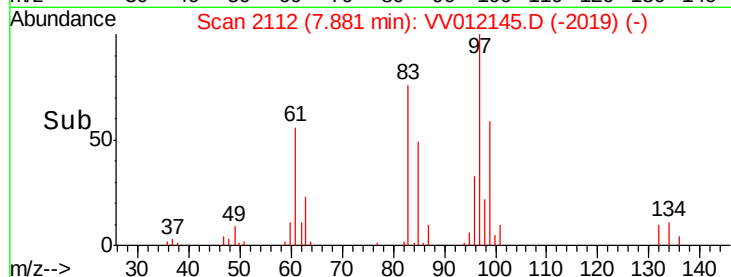
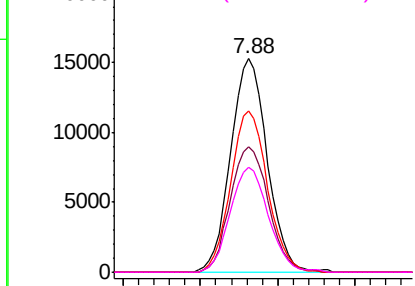
#45
 1,1,2-Trichloroethane
 Concen: 4.654 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion:	97	Resp:	25104
Ion	Ratio	Lower	Upper
97	100		
99	59.0	45.2	84.0
83	75.7	56.8	105.4
85	49.0	37.9	70.5

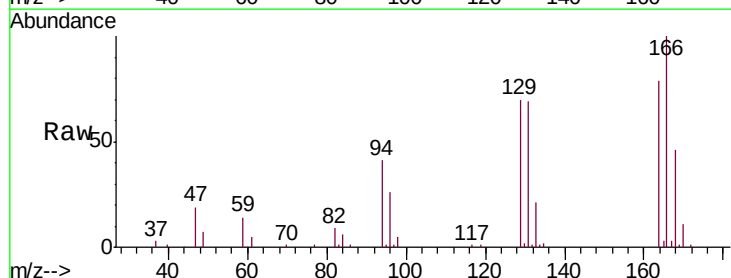


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

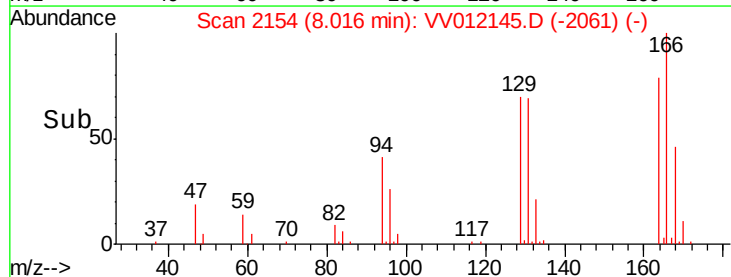
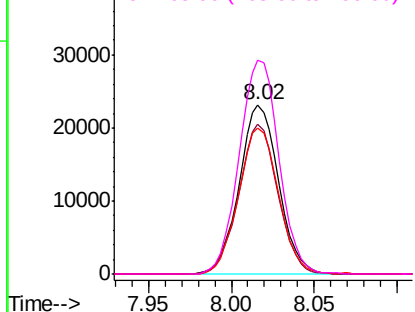


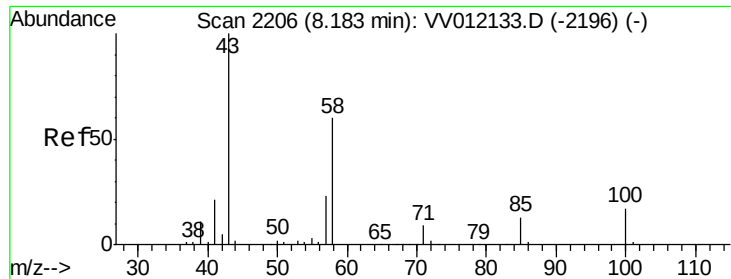
#47
 Tetrachloroethene
 Concen: 4.567 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion:	164	Resp:	38102
Ion	Ratio	Lower	Upper
164	100		
129	88.8	62.2	115.4
131	86.6	60.1	111.5
166	126.3	92.2	171.2



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

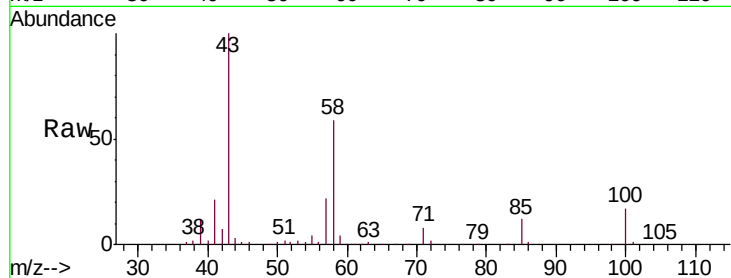




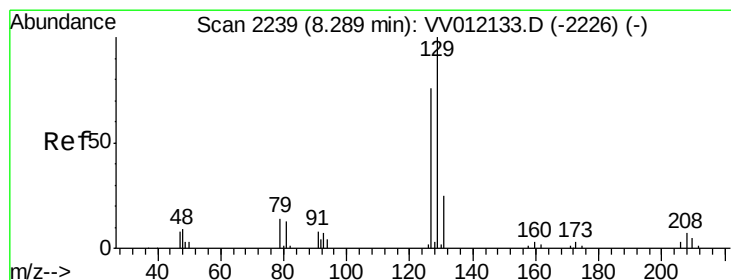
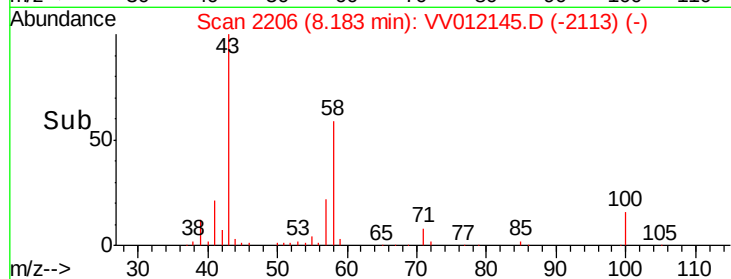
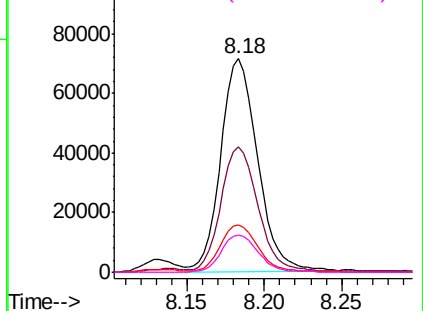
#48
2-Hexanone
Concen: 46.791 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Tgt Ion:	43	Resp:	117402
Ion	Ratio	Lower	Upper
43	100		
58	59.0	46.4	69.6
57	22.2	17.7	26.5
100	17.7	12.9	19.3

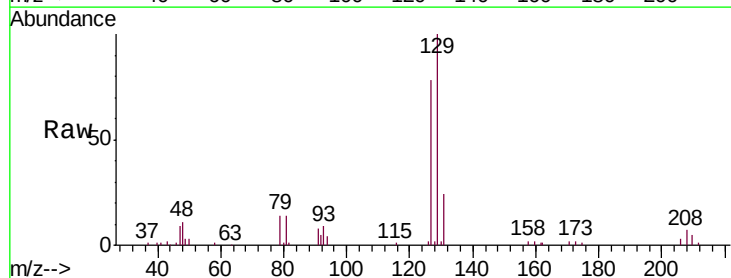


Abundance Ion 43.05 (42.75 to 43.75): VV012145.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV012145.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV012145.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV012145.D (-2113) (-)

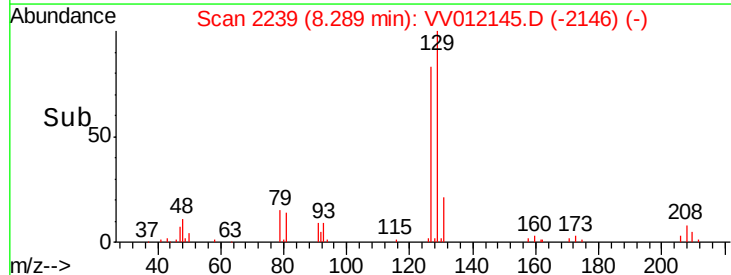
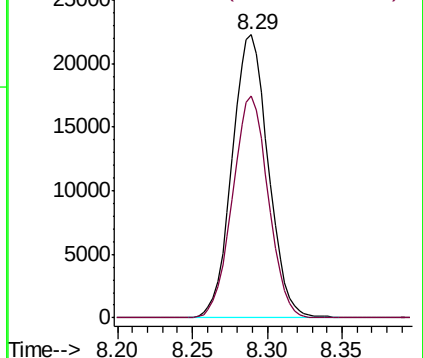


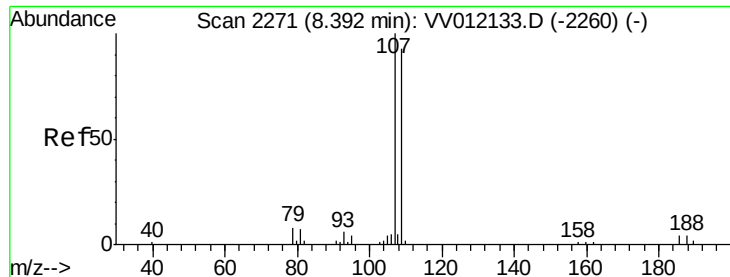
#49
Dibromochloromethane
Concen: 4.631 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

Tgt Ion:	129	Resp:	37557
Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VV012145.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012145.D (-2146) (-)

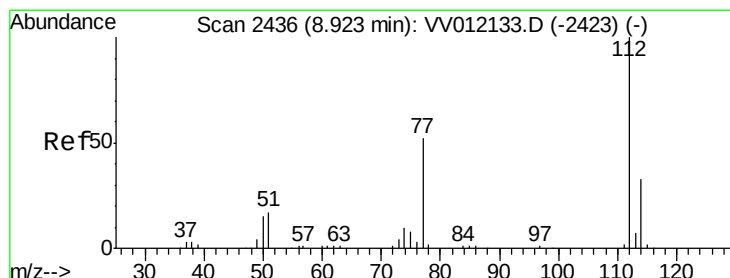
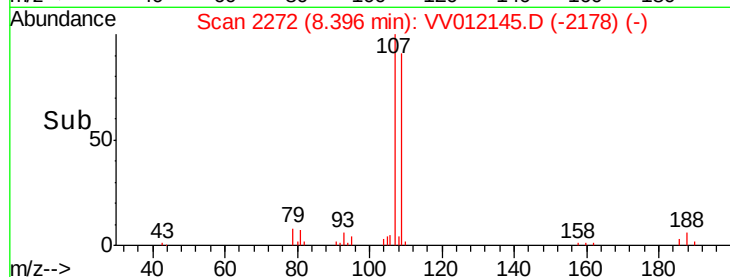
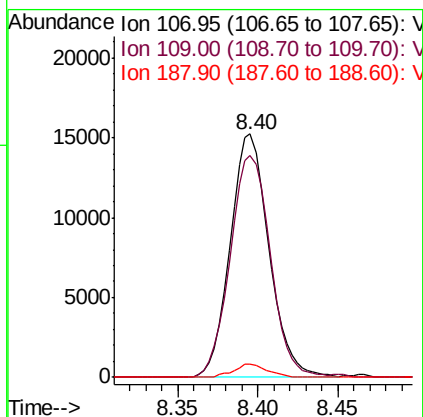
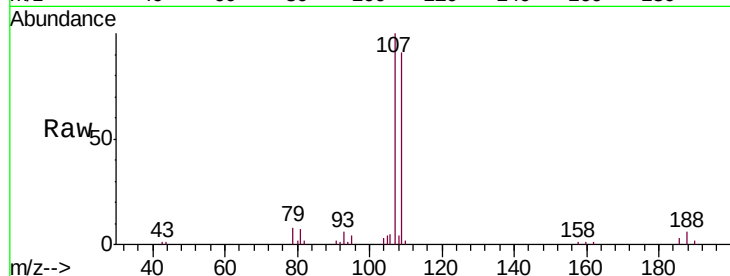




#50
1,2-Dibromoethane
Concen: 4.645 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

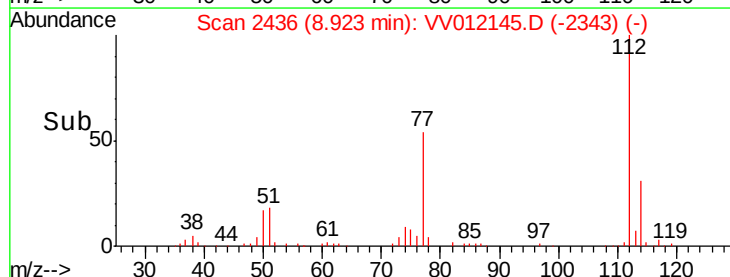
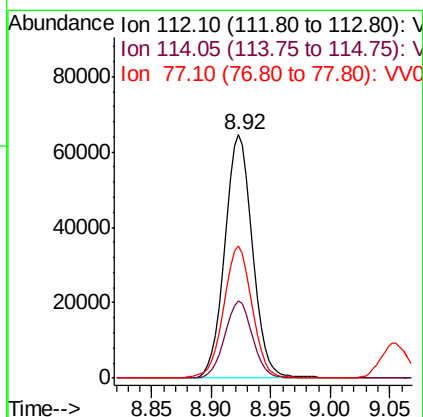
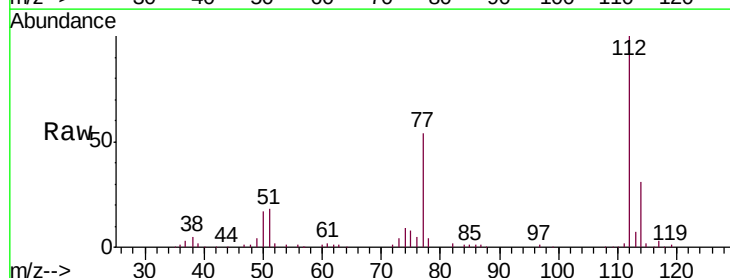
Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

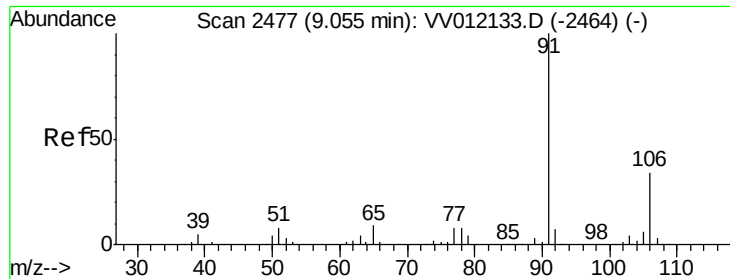
Tgt Ion:107 Resp: 25148
Ion Ratio Lower Upper
107 100
109 91.2 65.1 120.9
188 5.5 3.5 5.3#



#51
Chlorobenzene
Concen: 4.540 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012145.D
Acq: 09 Aug 2019 01:18

Tgt Ion:112 Resp: 104370
Ion Ratio Lower Upper
112 100
114 31.5 23.0 42.8
77 54.4 41.8 62.8





#52

Ethylbenzene

Concen: 4.549 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

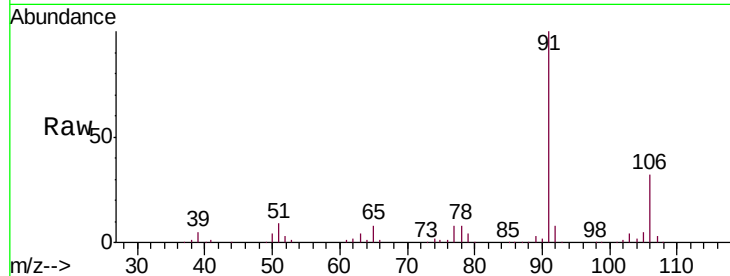
VSTD00559

Tgt Ion: 91 Resp: 174100

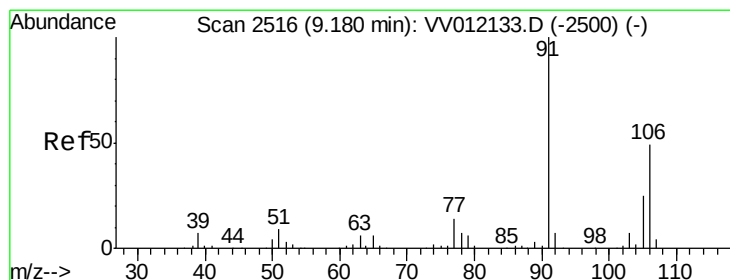
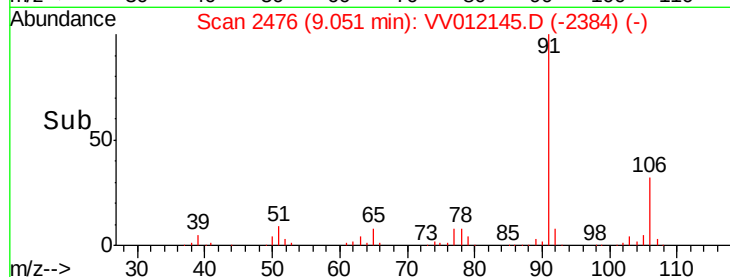
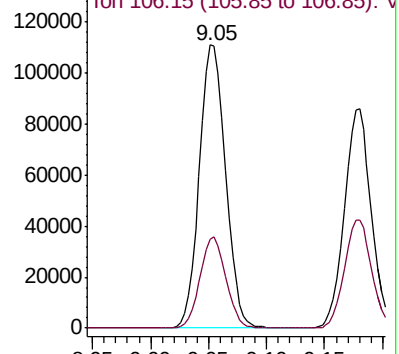
Ion Ratio Lower Upper

91 100

106 31.5 23.7 43.9



Abundance Ion 91.15 (90.85 to 91.85): VV012133.D (-2464) (-)



#53

m,p-xylene

Concen: 4.657 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012145.D

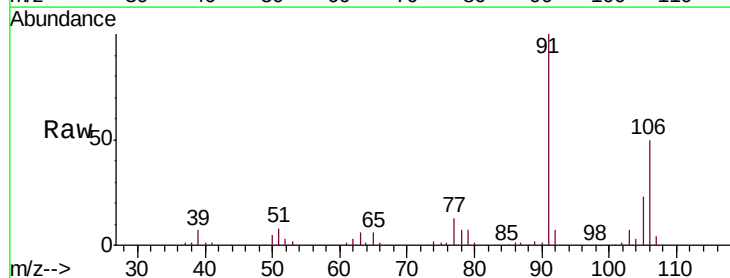
Acq: 09 Aug 2019 01:18

Tgt Ion: 106 Resp: 69693

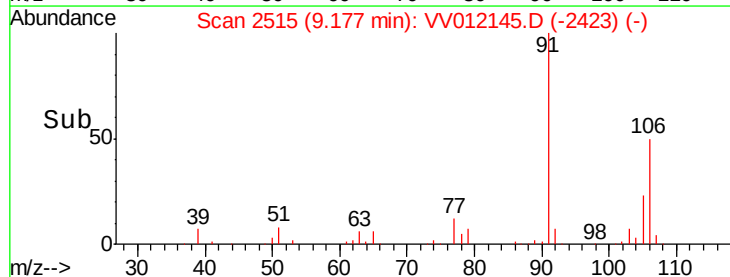
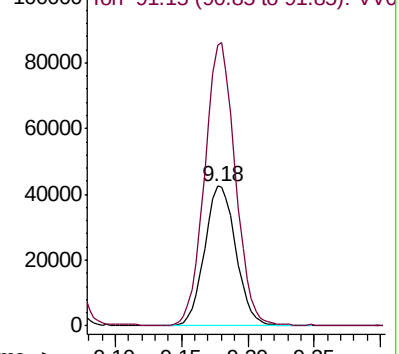
Ion Ratio Lower Upper

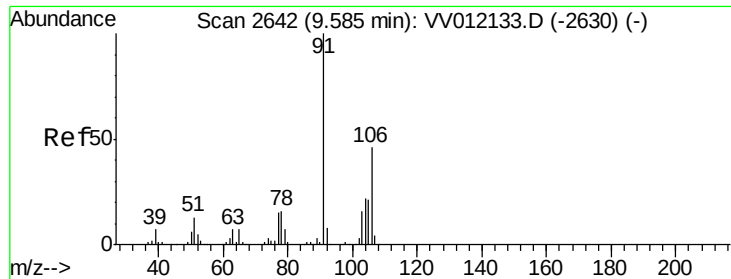
106 100

91 201.5 142.2 264.0



Abundance Ion 106.15 (105.85 to 106.85): VV012133.D (-2500) (-)





#54

o-xylene

Concen: 4.557 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

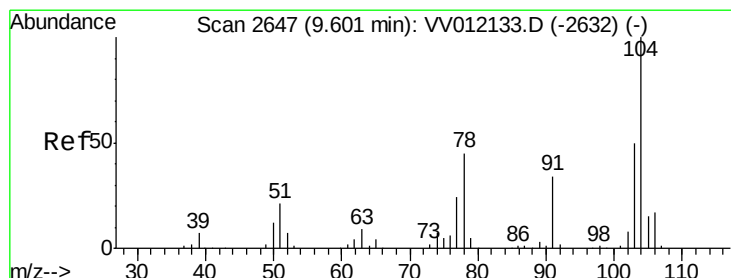
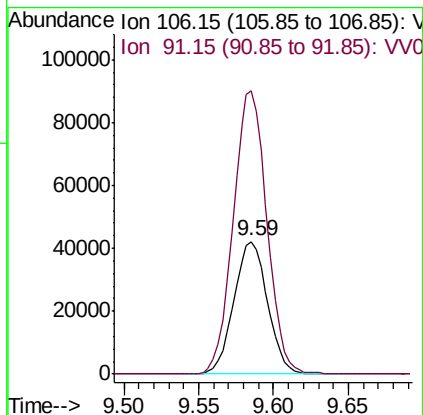
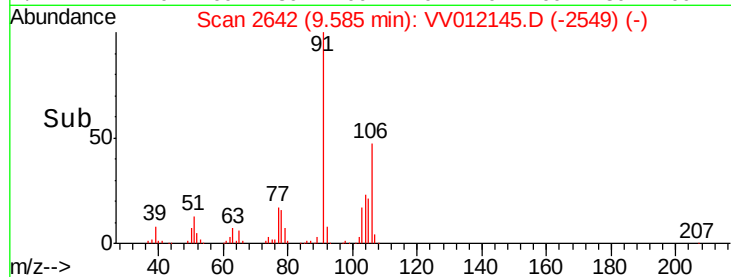
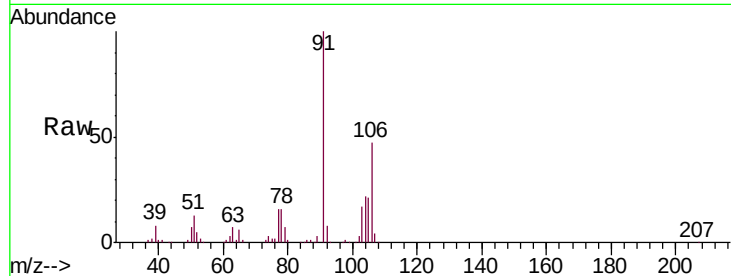
VSTD00559

Tgt Ion:106 Resp: 66054

Ion Ratio Lower Upper

106 100

91 213.1 150.8 280.1



#55

Styrene

Concen: 4.687 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012145.D

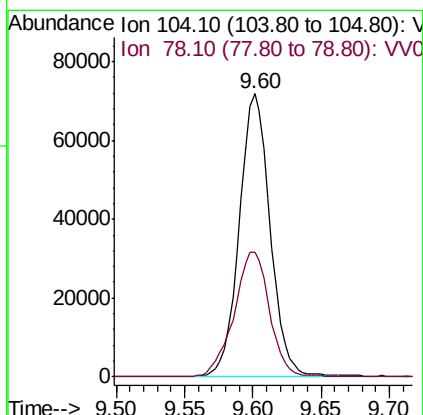
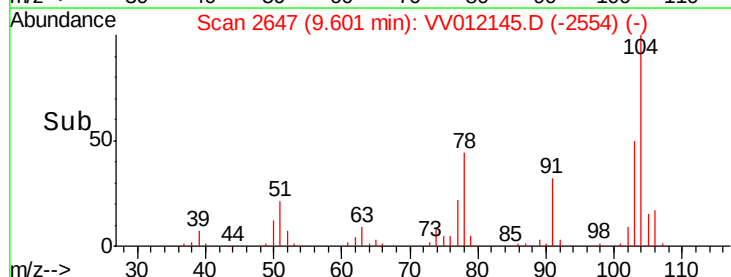
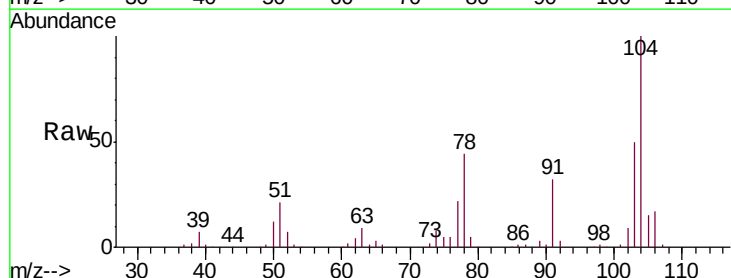
Acq: 09 Aug 2019 01:18

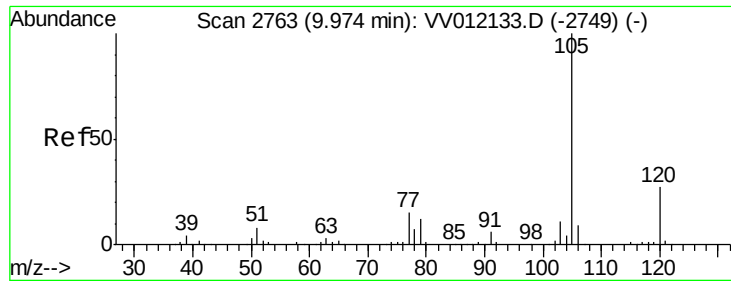
Tgt Ion:104 Resp: 113030

Ion Ratio Lower Upper

104 100

78 44.3 31.5 58.5





#56

Isopropylbenzene

Concen: 4.542 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

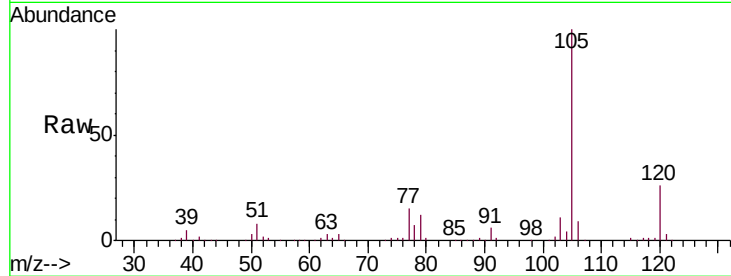
Tgt Ion: 105 Resp: 182562

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

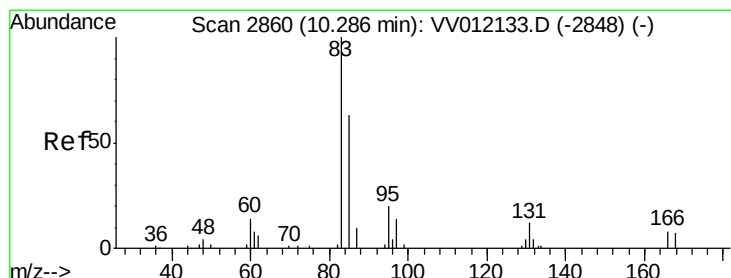
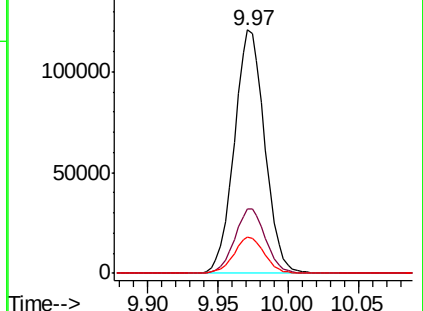
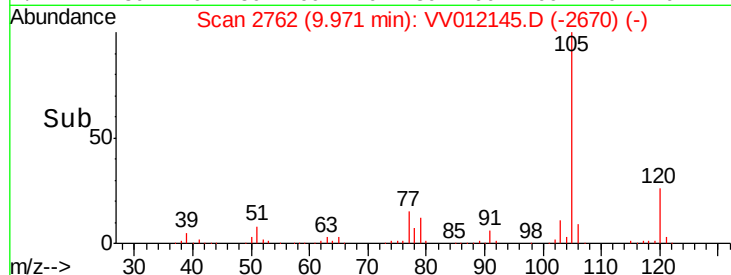
77 14.9 11.7 17.5



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: 4.667 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

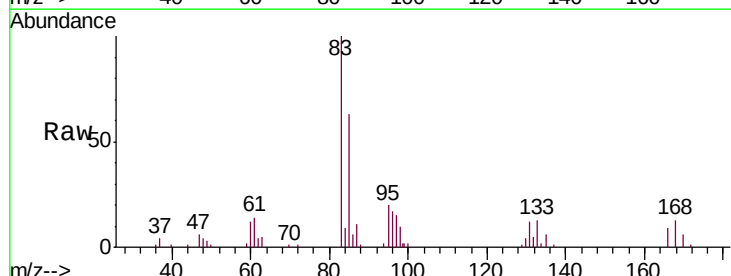
Tgt Ion: 83 Resp: 27832

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

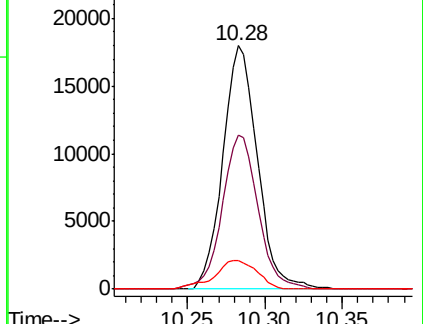
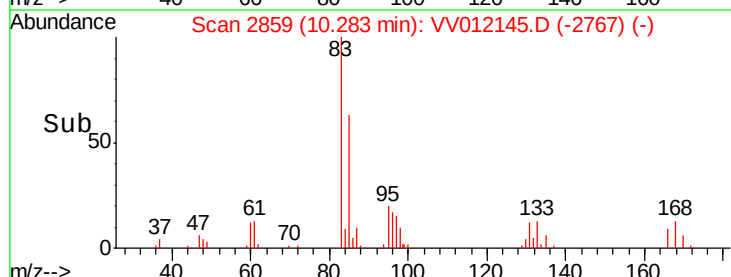
131 11.6 11.1 16.7

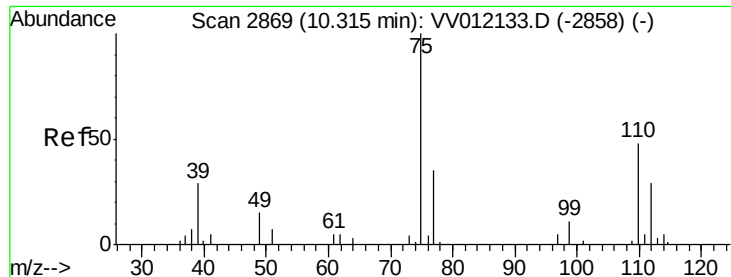


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

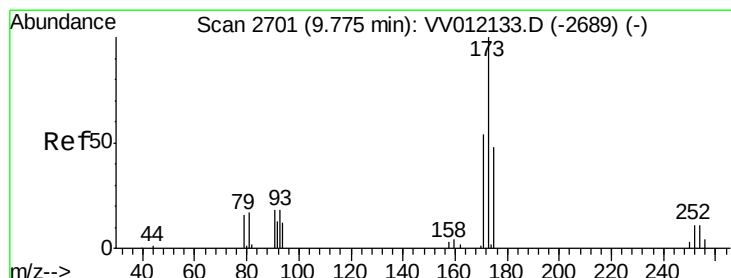
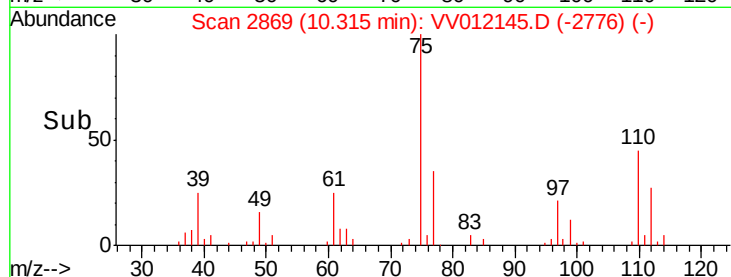
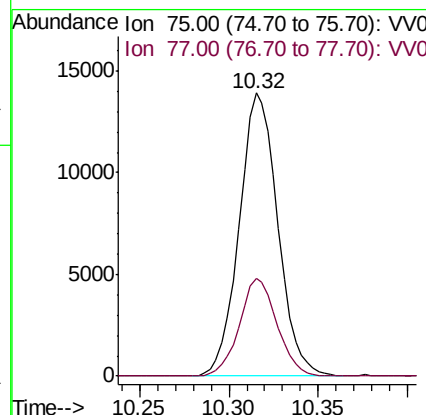
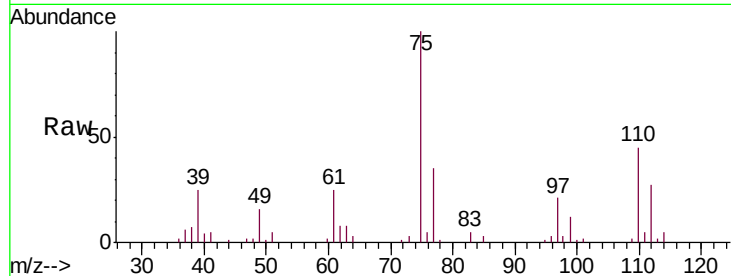




#59
 1,2,3-Trichloropropane
 Concen: 4.606 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

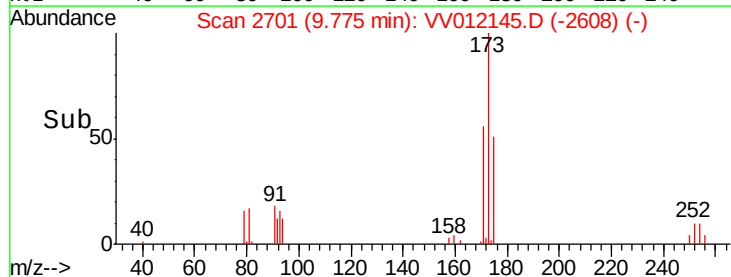
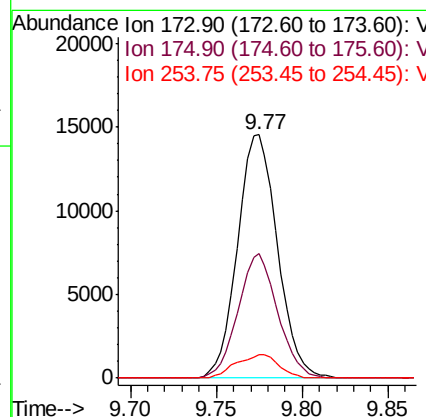
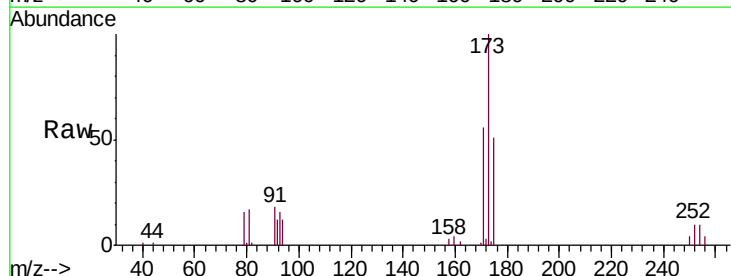
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

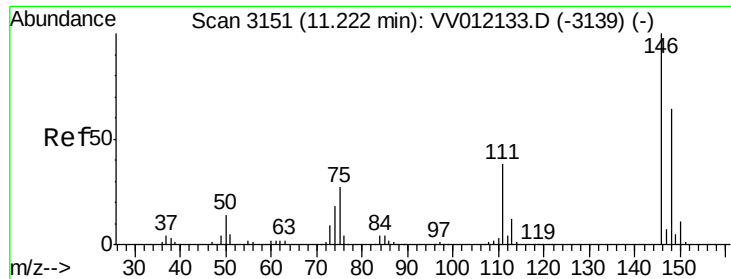
Tgt Ion: 75 Resp: 21017
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.4 39.6



#61
 Bromoform
 Concen: 4.519 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion: 173 Resp: 23428
 Ion Ratio Lower Upper
 173 100
 175 50.6 39.0 58.6
 254 10.3 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 4.578 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

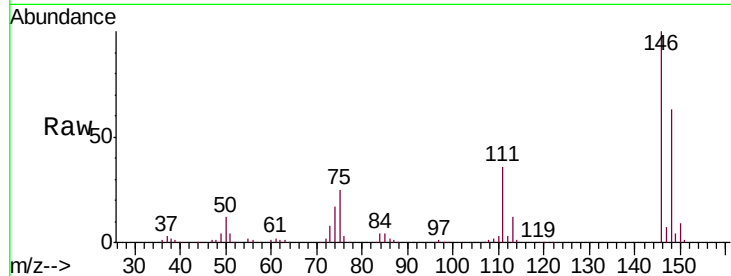
Tgt Ion:146 Resp: 94070

Ion Ratio Lower Upper

146 100

111 36.5 26.9 49.9

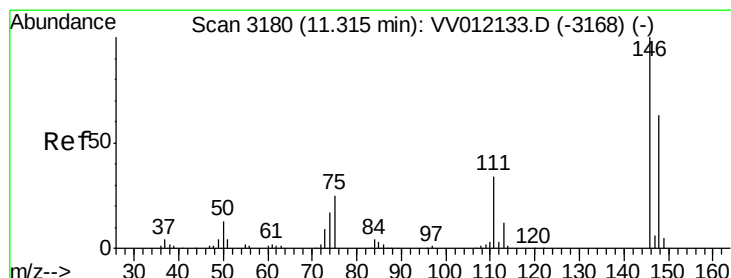
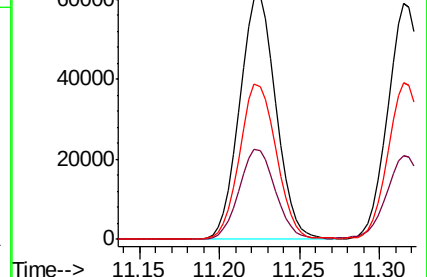
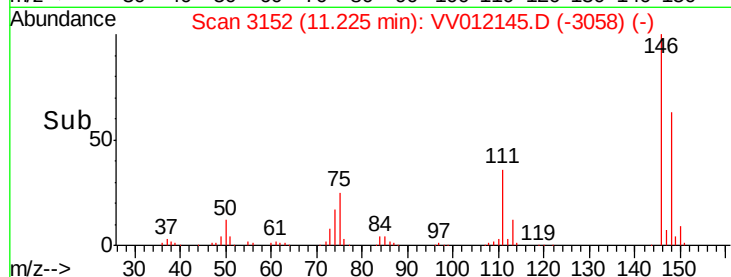
148 62.9 44.6 82.8



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: 4.523 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

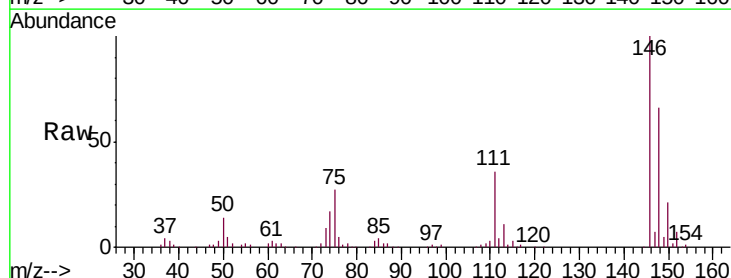
Tgt Ion:146 Resp: 93174

Ion Ratio Lower Upper

146 100

111 35.6 23.7 43.9

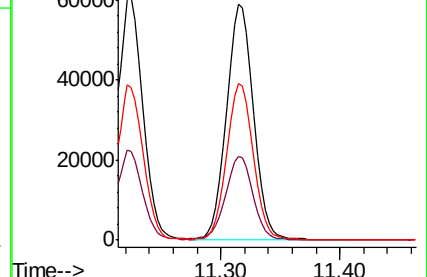
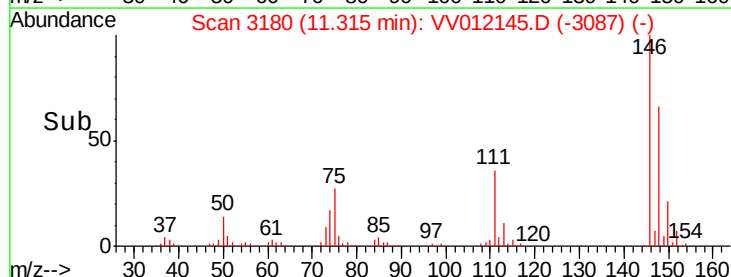
148 66.4 43.9 81.5

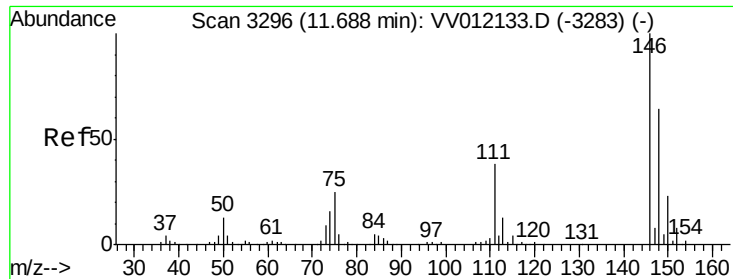


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

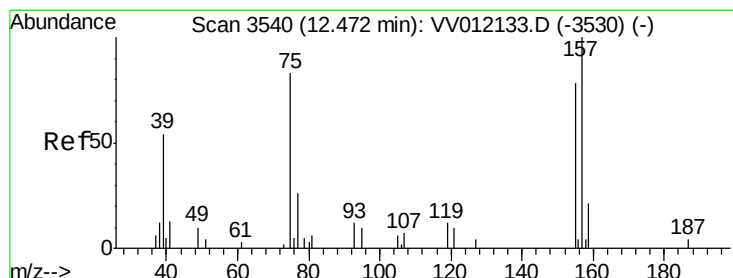
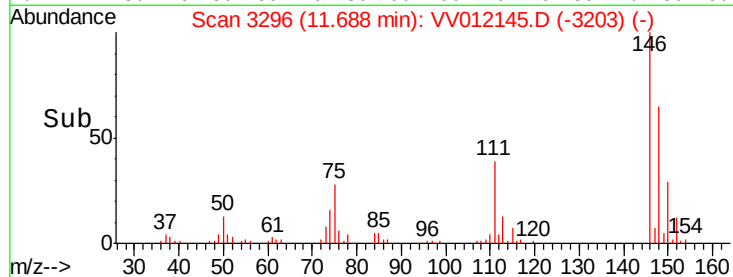
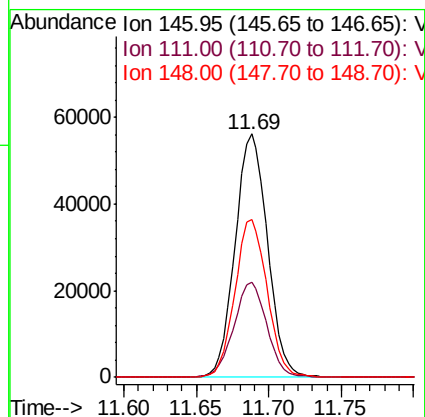
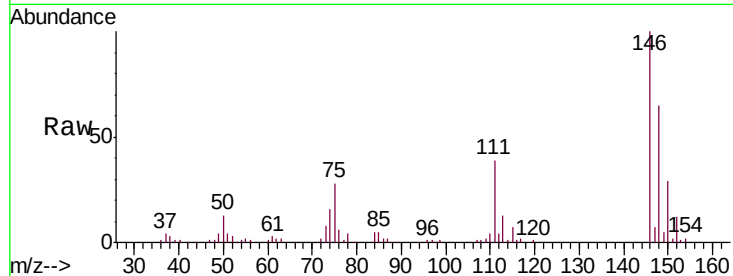




#65
 1,2-Dichlorobenzene
 Concen: 4.569 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

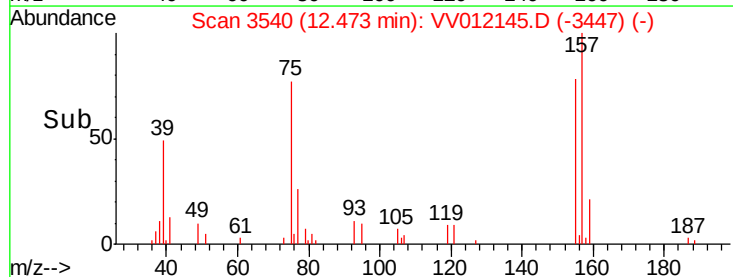
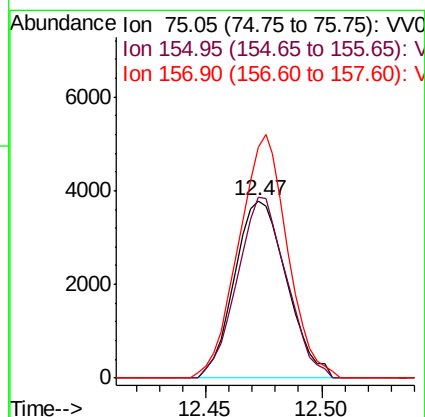
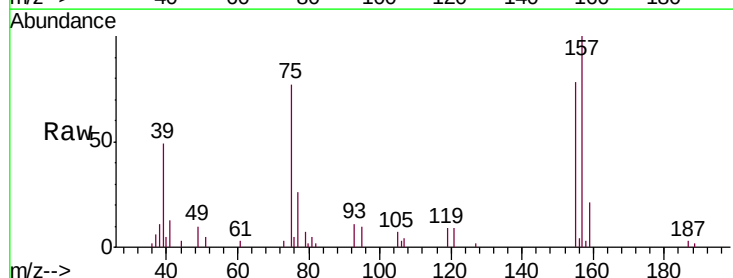
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

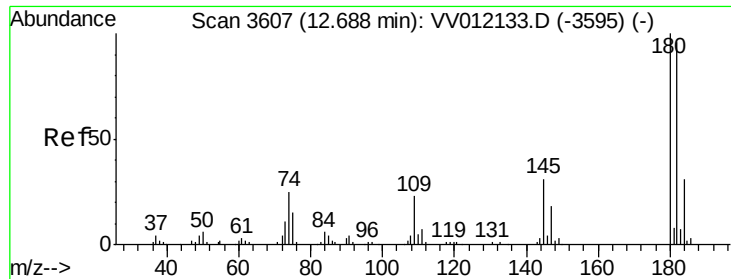
Tgt Ion: 146 Resp: 87167
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.6 45.8
 148 65.0 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.779 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion: 75 Resp: 5912
 Ion Ratio Lower Upper
 75 100
 155 102.0 75.2 112.8
 157 130.2 96.7 145.1

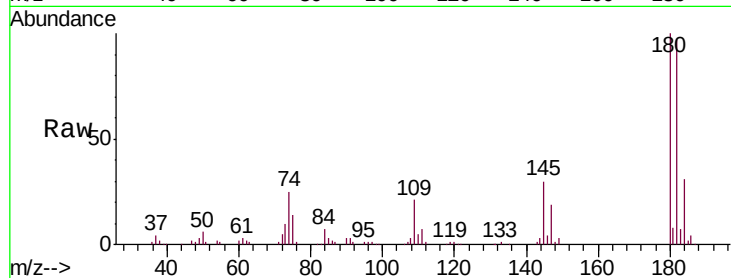




#67
 1,3,5-Trichlorobenzene
 Concen: 4.465 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
184	30.5	25.0	37.4
145	29.0	23.4	35.2



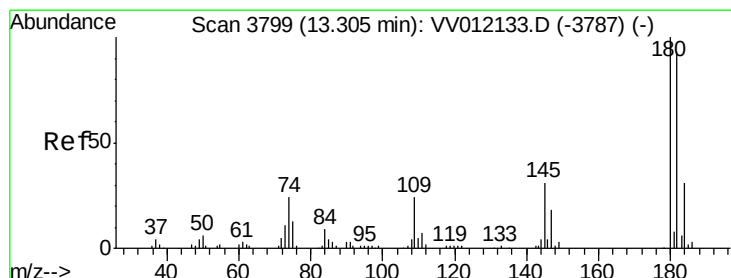
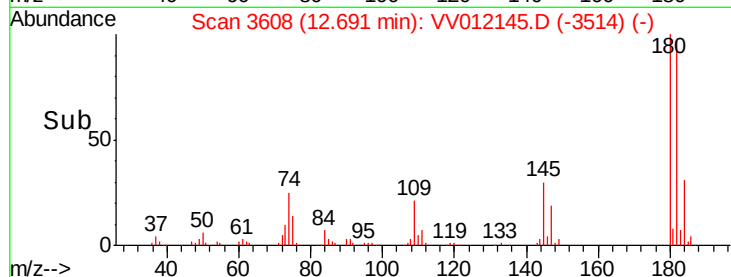
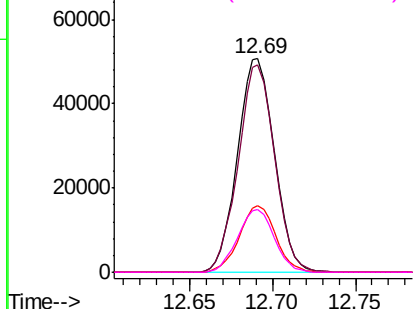
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

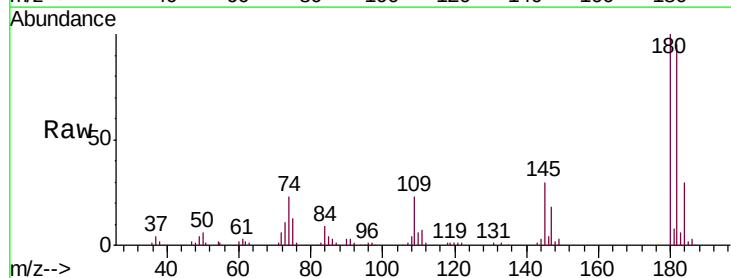
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.622 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012145.D
 Acq: 09 Aug 2019 01:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.6	115.0
145	30.1	23.4	35.2

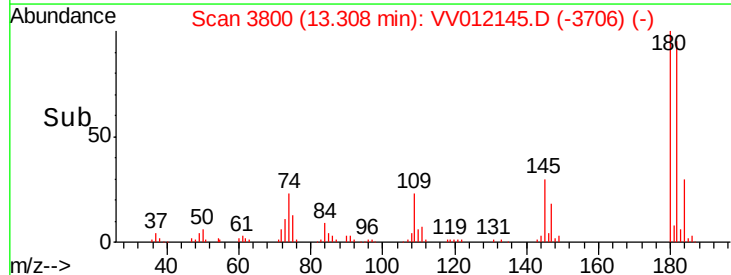
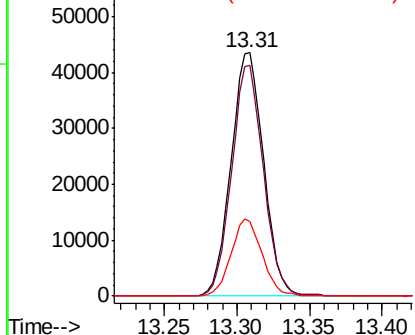


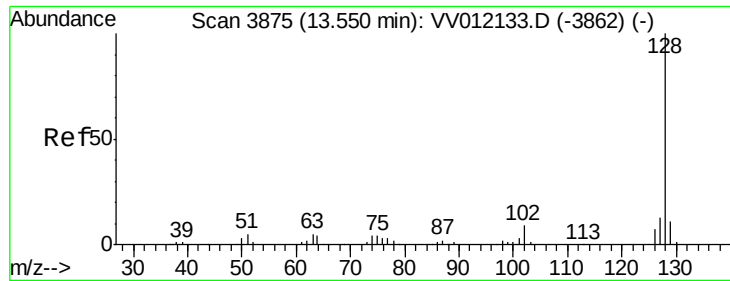
Abundance

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: 4.444 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

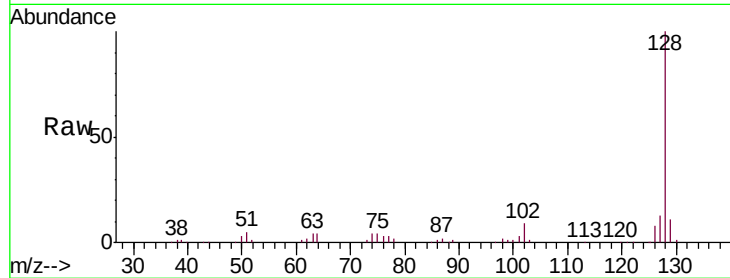
Tgt Ion:128 Resp: 105526

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

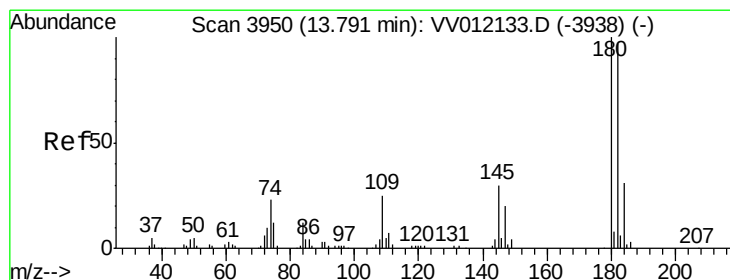
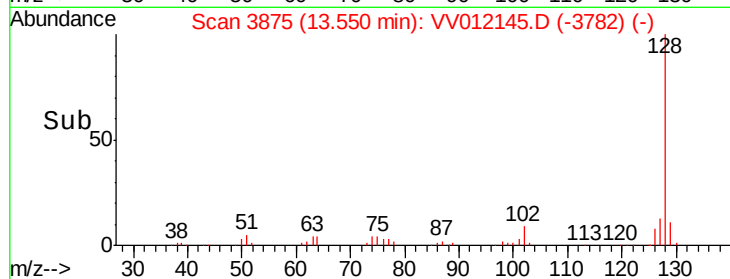
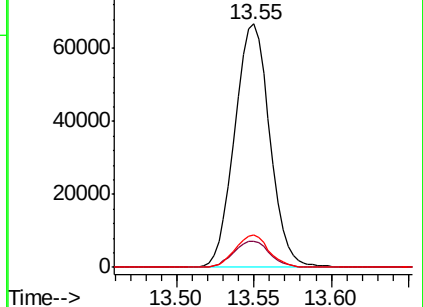
127 12.7 10.6 15.8



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: 4.555 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012145.D

Acq: 09 Aug 2019 01:18

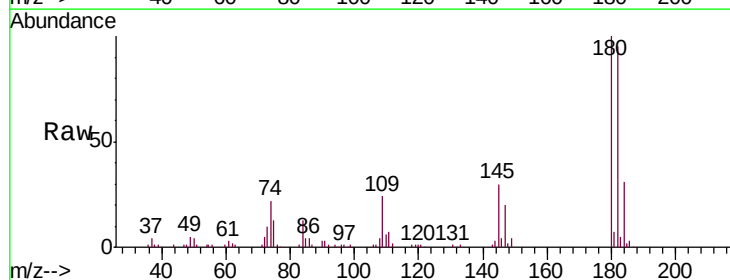
Tgt Ion:180 Resp: 63400

Ion Ratio Lower Upper

180 100

182 94.8 77.9 116.9

145 30.1 24.9 37.3



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

