

Data File : VV012445.D
Acq On : 30 Aug 2019 09:06
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Quant Time: Aug 31 00:05:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 06:44:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	237935	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	227377	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111645	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99686	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.59	69	74205	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	167106	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	3.96	46	207480	48.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.00%
24) Chloroform-d	4.40	84	173687	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	84343	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	342809	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.12	67	107524	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.36	98	322462	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	39629	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.14	63	151487	50.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	73728	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	106012	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	164784	5.157 ug/L	99
3) Chloromethane	1.25	50	150157	4.774 ug/L	100
5) Vinyl chloride	1.32	62	141997	4.780 ug/L	100
6) Bromomethane	1.54	94	76290	4.729 ug/L	95
8) Chloroethane	1.60	64	76197	4.781 ug/L	97
9) Trichlorofluoromethane	1.77	101	187760	4.879 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	95830	5.010 ug/L	98
12) 1,1-Dichloroethene	2.14	96	90153	4.999 ug/L	97
13) Acetone	2.23	43	145333	46.018 ug/L	99
14) Carbon disulfide	2.32	76	265263	4.813 ug/L	99
15) Methyl Acetate	2.47	43	32850	4.225 ug/L	94
16) Methylene chloride	2.53	84	90567	4.393 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	243080	4.905 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	113162	4.900 ug/L	99
19) 1,1-Dichloroethane	3.23	63	221413	4.898 ug/L	98
21) 2-Butanone	4.05	43	287563	49.530 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	118835	4.915 ug/L	99

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Quant Time: Aug 31 00:05:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 06:44:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	50610	4.820	ug/L	95
25) Chloroform	4.42	83	220932	4.665	ug/L	98
27) 1,2-Dichloroethane	5.18	62	130748	4.923	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	185994	5.050	ug/L	98
30) Cyclohexane	4.72	56	197908	5.331	ug/L	98
31) Carbon tetrachloride	4.87	117	161776	4.993	ug/L	100
33) Benzene	5.14	78	481096	5.111	ug/L	100
34) Trichloroethene	5.96	95	120930	5.043	ug/L	100
35) Methylcyclohexane	6.17	83	200160	5.485	ug/L	98
37) 1,2-Dichloropropane	6.22	63	124087	5.055	ug/L	100
38) Bromodichloromethane	6.55	83	150685	4.936	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	166343	5.237	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	733673	52.735	ug/L	100
42) Toluene	7.43	91	511913	5.313	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	128293	5.200	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	78560	4.825	ug/L	98
47) Tetrachloroethene	8.02	164	100057	5.212	ug/L	99
48) 2-Hexanone	8.19	43	527935	55.716	ug/L	97
49) Dibromochloromethane	8.29	129	96898	5.168	ug/L	99
50) 1,2-Dibromoethane	8.40	107	71851	4.996	ug/L	99
51) Chlorobenzene	8.92	112	310723	5.089	ug/L	98
52) Ethylbenzene	9.05	91	546954	5.372	ug/L	100
53) m,p-xylene	9.18	106	207482	5.559	ug/L	100
54) o-xylene	9.59	106	194443	5.336	ug/L	97
55) Styrene	9.60	104	340688	5.569	ug/L	99
56) Isopropylbenzene	9.97	105	529046	5.513	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	92711	4.840	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	67885	4.979	ug/L	99
61) Bromoform	9.77	173	51188	4.931	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	246007	5.265	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	239830	5.124	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	223108	5.065	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14323	4.830	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	185829	5.331	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	137346	5.374	ug/L	98
69) Naphthalene	13.55	128	185111	5.005	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	129549	5.277	ug/L	100

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

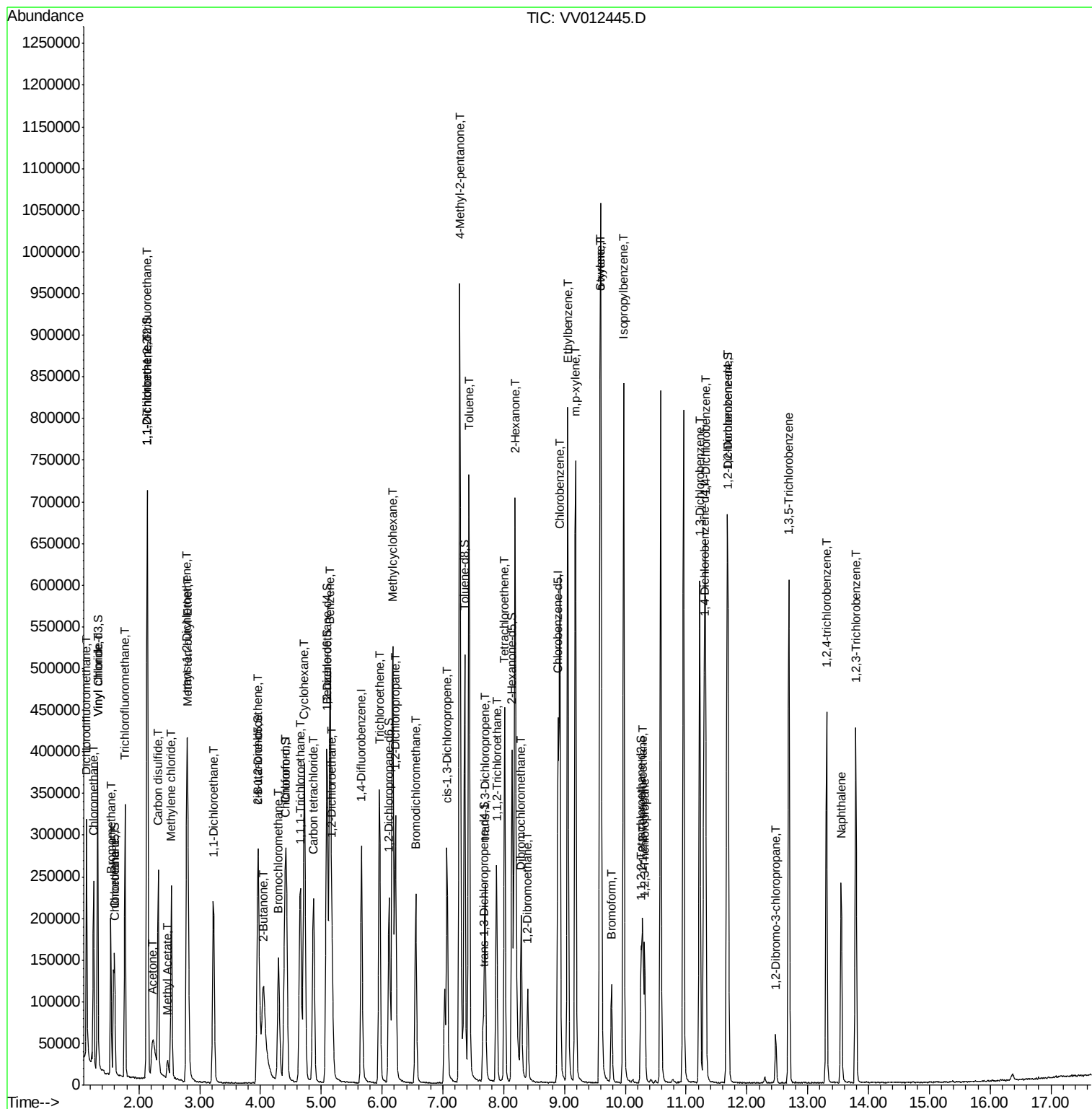
Quant Time: Aug 31 00:05:55 2019

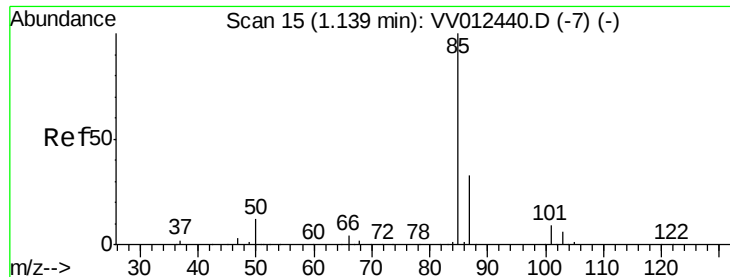
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 30 06:44:27 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.157 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

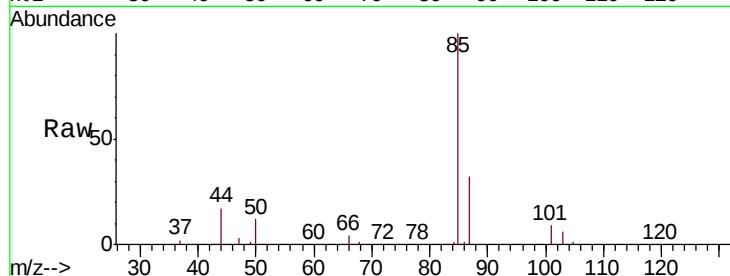
VSTD00555

Tgt Ion: 85 Resp: 164784

Ion Ratio Lower Upper

85 100

87 32.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV012440.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012440.D (-7) (-)

1.14

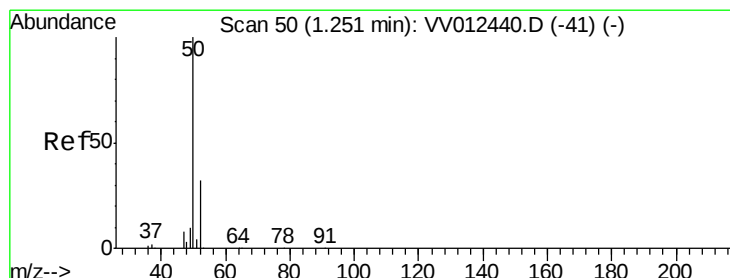
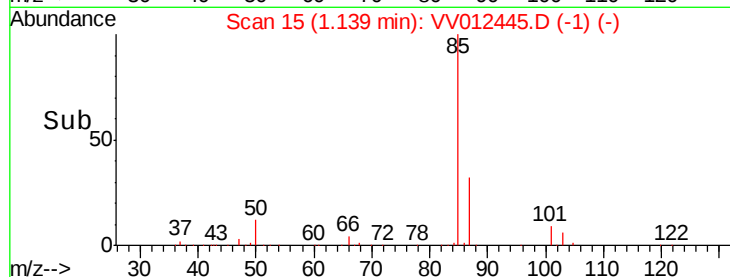
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.774 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012445.D

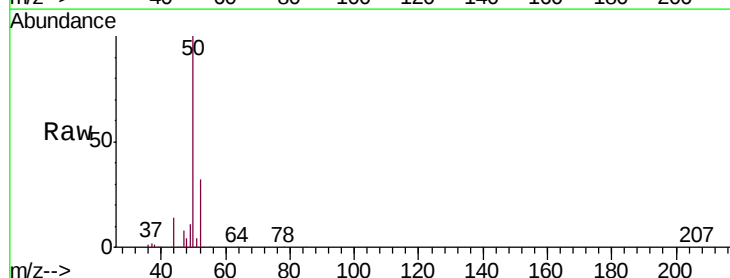
Acq: 30 Aug 2019 09:06

Tgt Ion: 50 Resp: 150157

Ion Ratio Lower Upper

50 100

52 32.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV012440.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV012440.D (-41) (-)

1.25

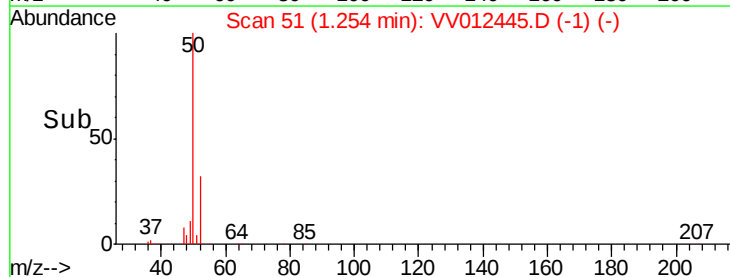
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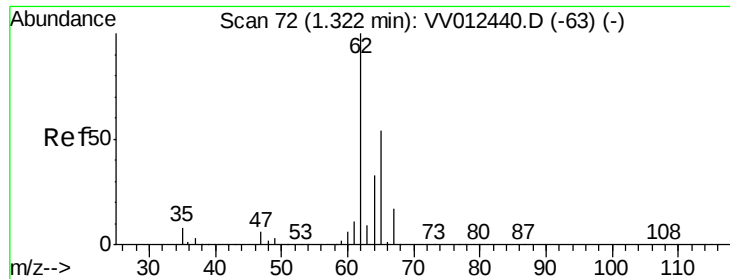
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.780 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

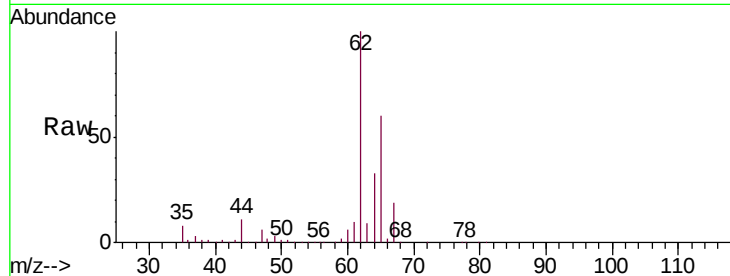
VSTD00555

Tgt Ion: 62 Resp: 141997

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

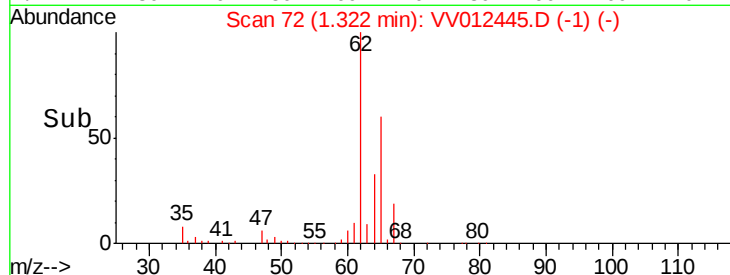
150000

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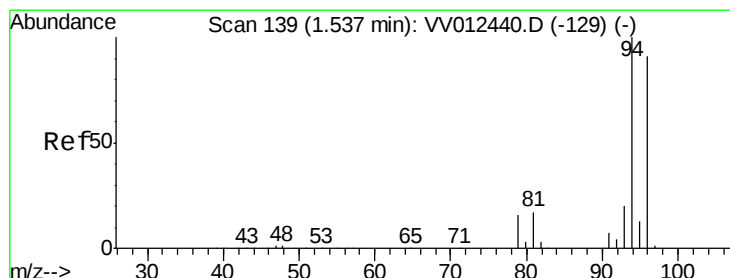
50000

0

Time-->



Time-->



#6

Bromomethane

Concen: 4.729 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012445.D

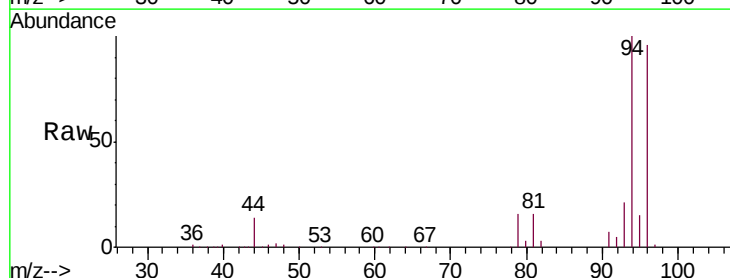
Acq: 30 Aug 2019 09:06

Tgt Ion: 94 Resp: 76290

Ion Ratio Lower Upper

94 100

96 96.1 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

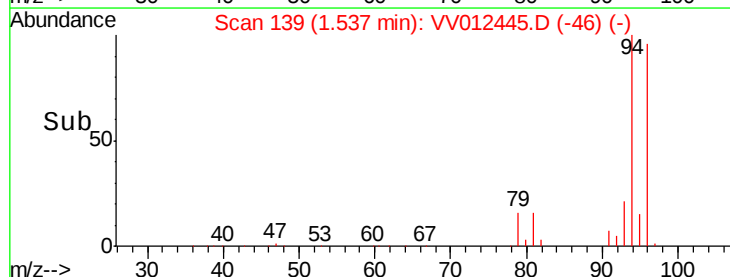
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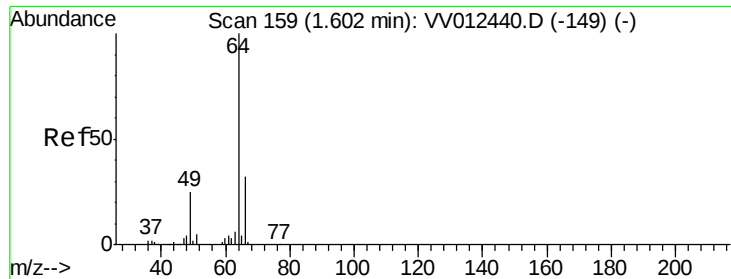
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Time-->

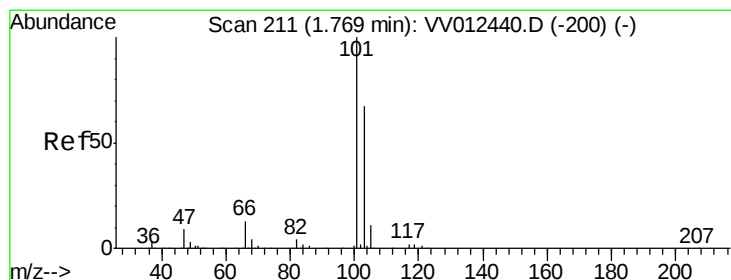
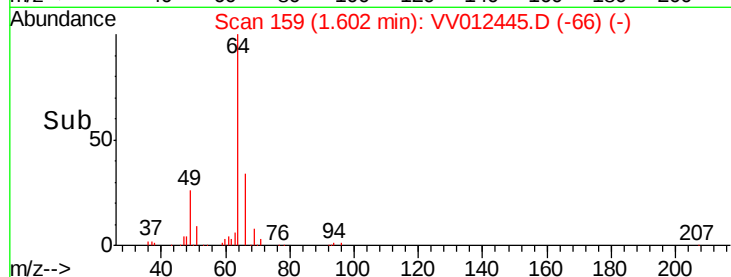
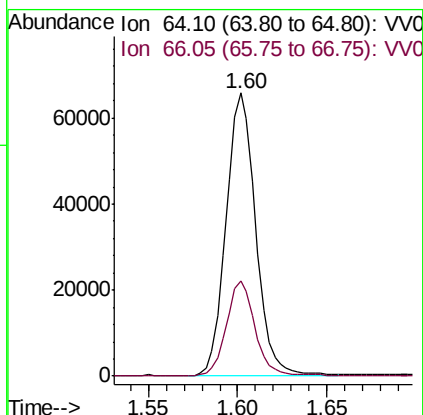
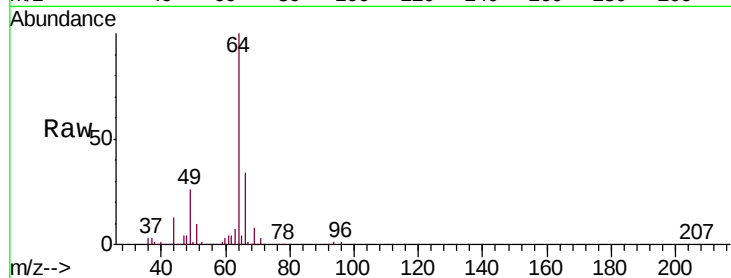




#8
Chloroethane
Concen: 4.781 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012445.D
Acq: 30 Aug 2019 09:06

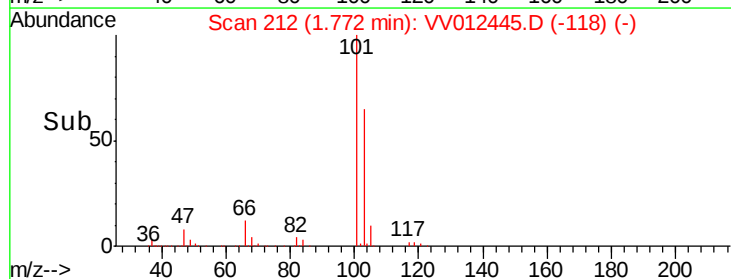
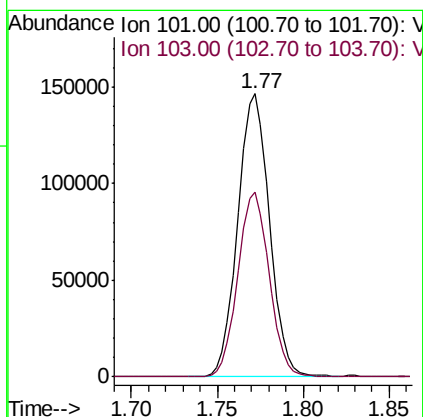
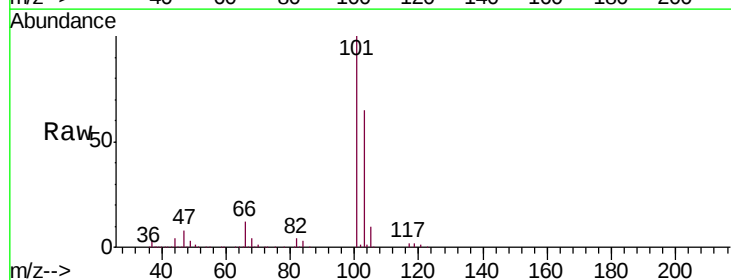
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

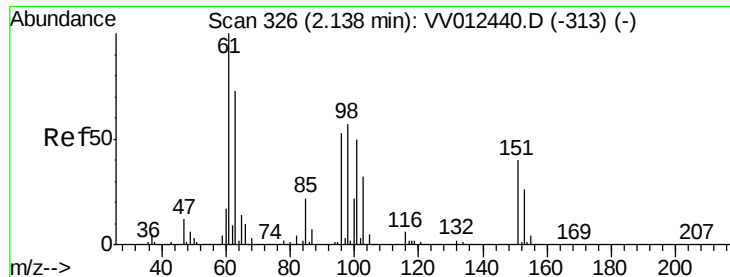
Tgt Ion: 64 Resp: 76197
Ion Ratio Lower Upper
64 100
66 33.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.879 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012445.D
Acq: 30 Aug 2019 09:06

Tgt Ion: 101 Resp: 187760
Ion Ratio Lower Upper
101 100
103 64.5 53.0 79.4





#10

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

Concen: 5.010 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

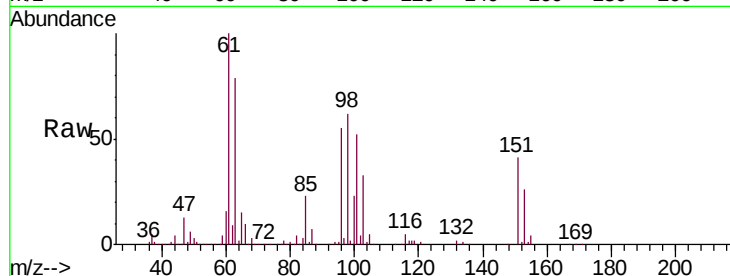
Tgt Ion: 101 Resp: 95830

Ion Ratio Lower Upper

101 100

85 42.7 35.4 53.2

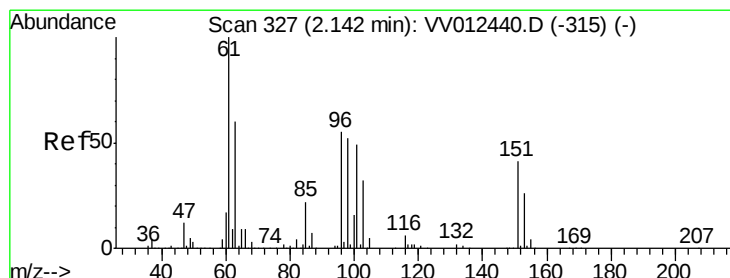
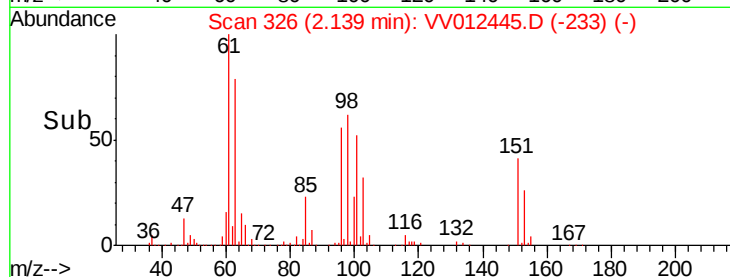
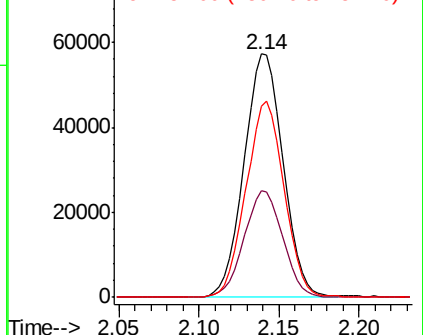
151 79.0 64.4 96.6



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: 4.999 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

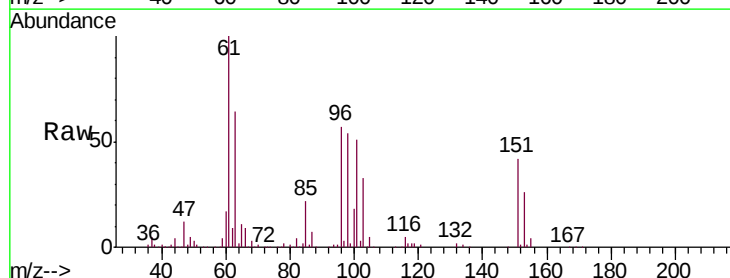
Tgt Ion: 96 Resp: 90153

Ion Ratio Lower Upper

96 100

61 176.7 127.8 237.4

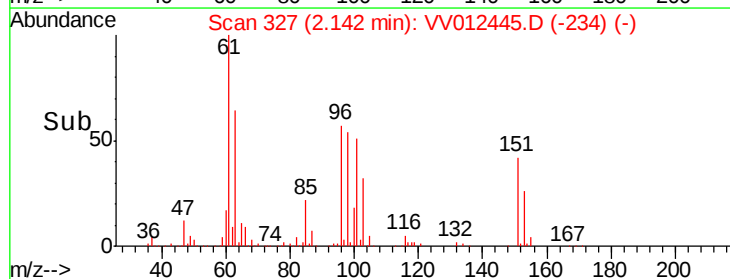
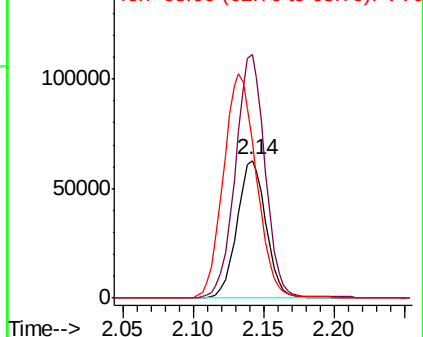
63 113.7 78.2 145.2

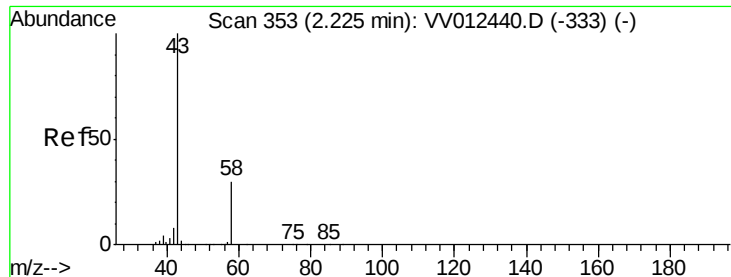


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.018 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

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ClientSampleId :

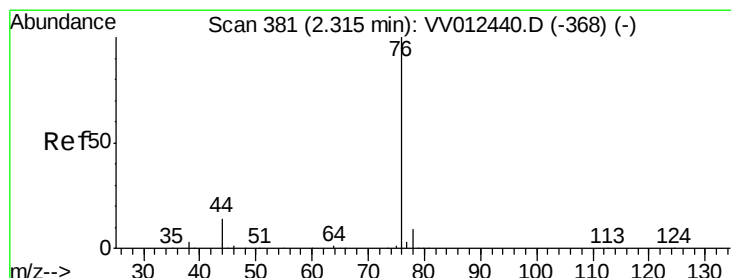
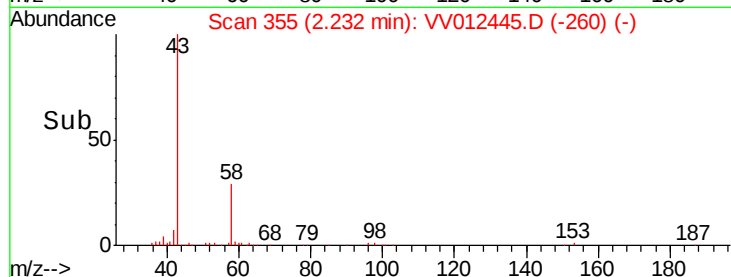
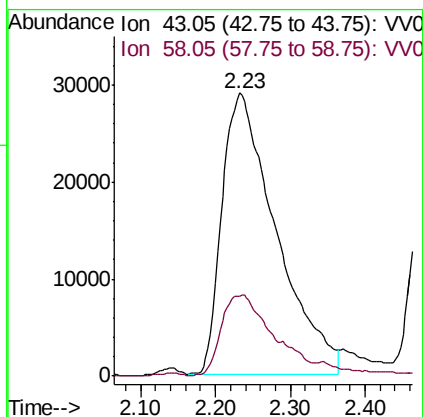
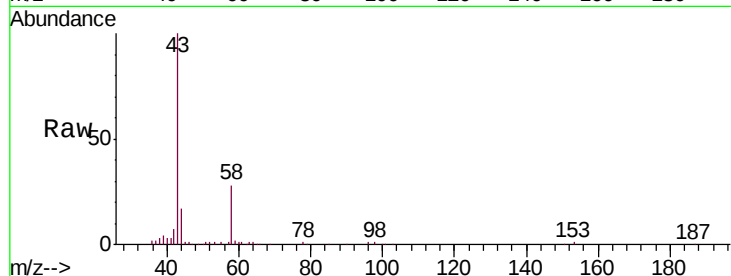
VSTD00555

Tgt Ion: 43 Resp: 145333

Ion Ratio Lower Upper

43 100

58 27.9 0.0 56.8



#14

Carbon disulfide

Concen: 4.813 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012445.D

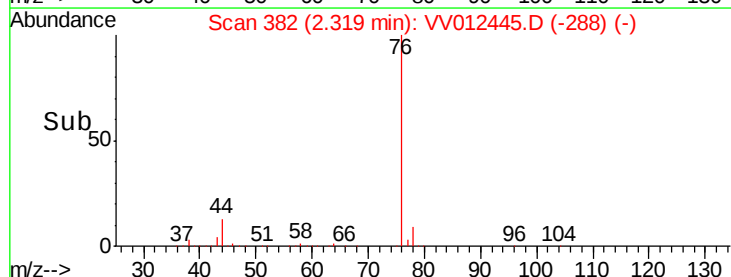
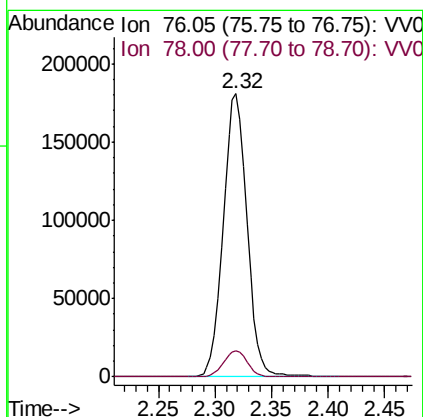
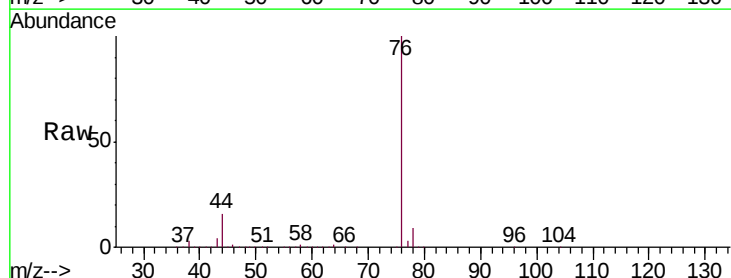
Acq: 30 Aug 2019 09:06

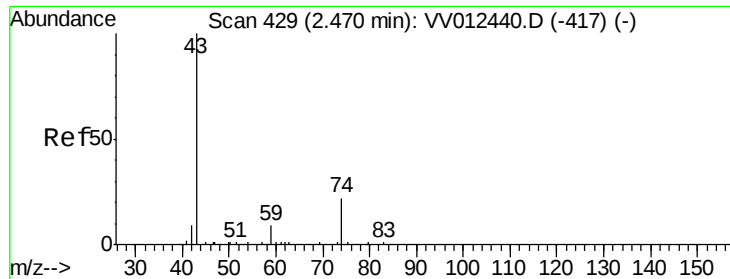
Tgt Ion: 76 Resp: 265263

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8





#15

Methyl Acetate

Concen: 4.225 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

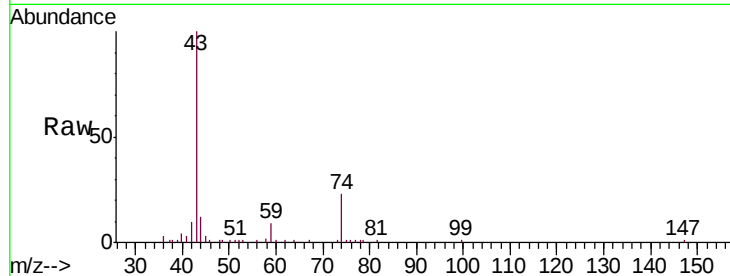
VSTD00555

Tgt Ion: 43 Resp: 32850

Ion Ratio Lower Upper

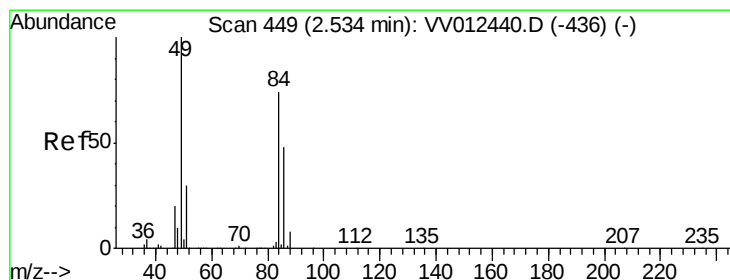
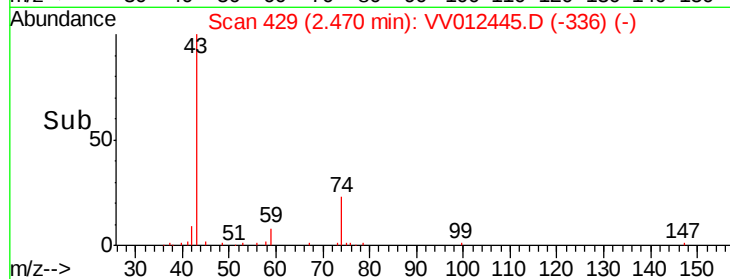
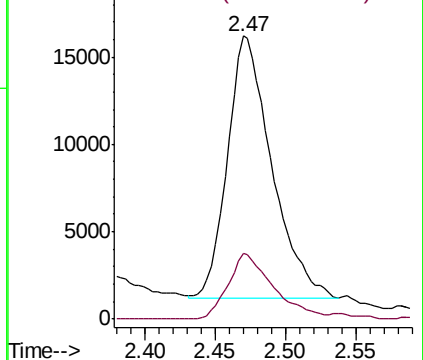
43 100

74 25.7 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.393 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

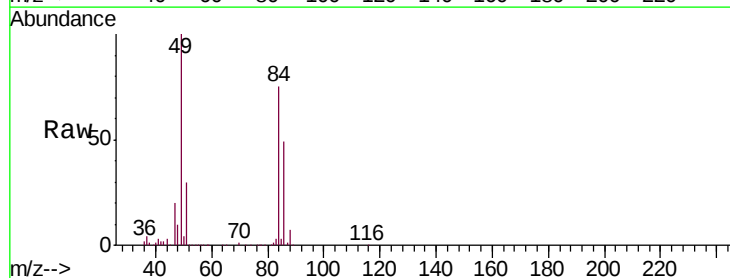
Tgt Ion: 84 Resp: 90567

Ion Ratio Lower Upper

84 100

86 64.9 45.2 84.0

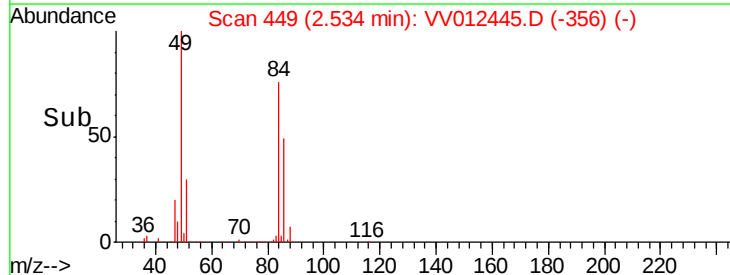
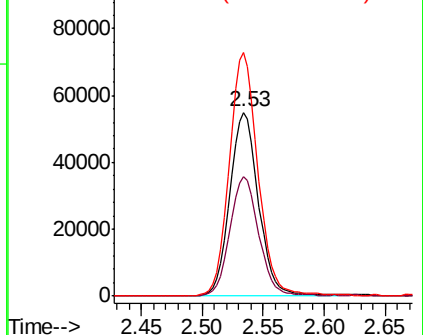
49 132.5 95.1 176.7

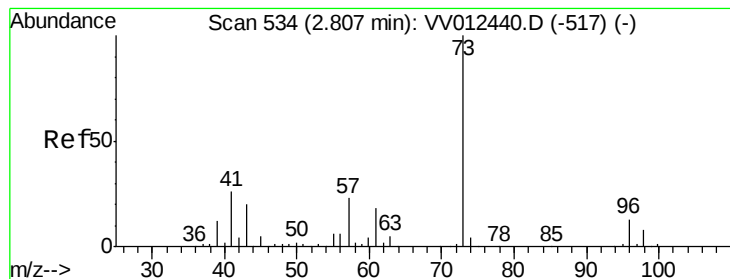


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 4.905 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

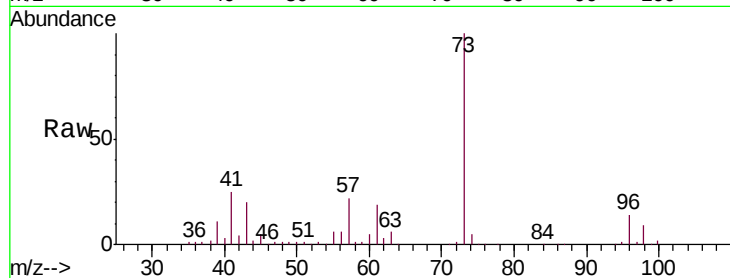
Tgt Ion: 73 Resp: 243080

Ion Ratio Lower Upper

73 100

43 19.8 16.1 24.1

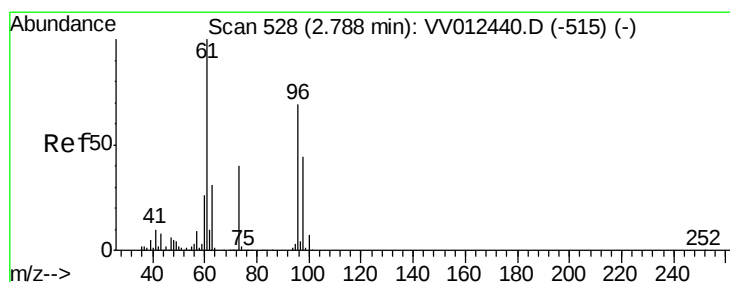
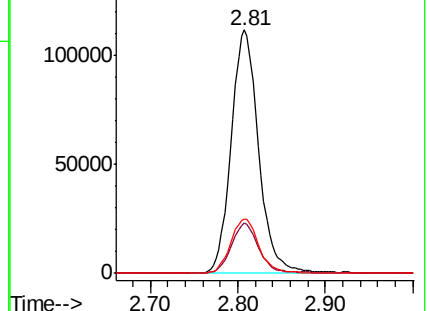
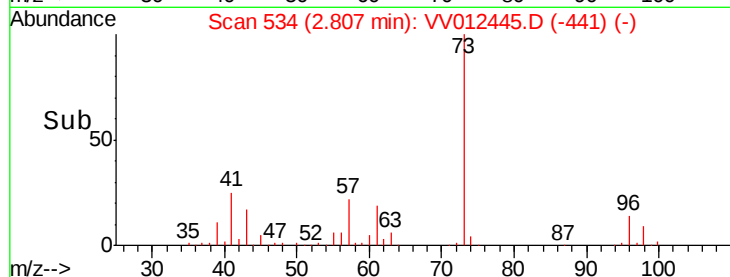
57 23.2 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VV012440.D (-517) (-)

Ion 43.05 (42.75 to 43.75): VV012440.D (-517) (-)

Ion 57.10 (56.80 to 57.80): VV012440.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.900 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

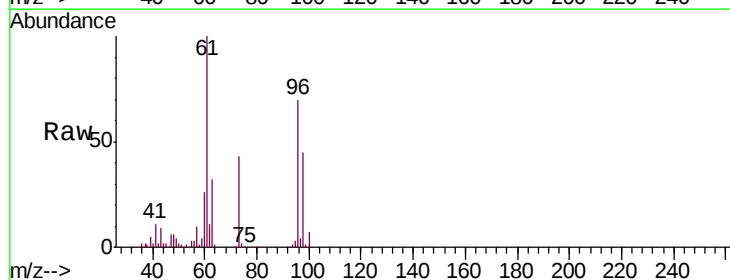
Tgt Ion: 96 Resp: 113162

Ion Ratio Lower Upper

96 100

61 142.3 101.2 188.0

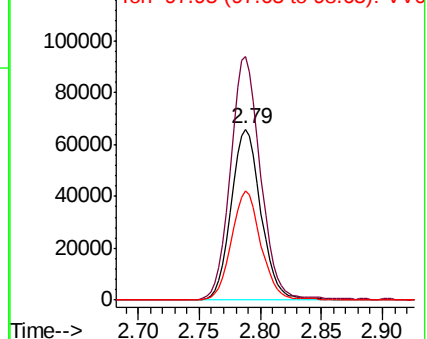
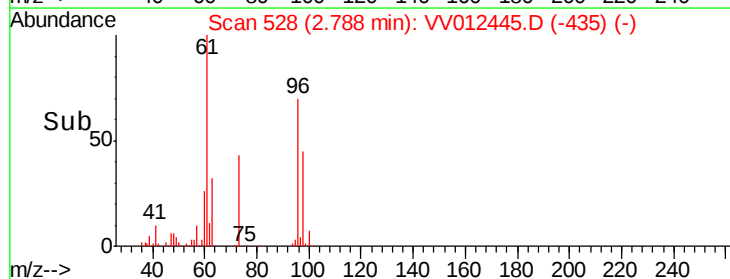
98 63.5 44.1 81.9

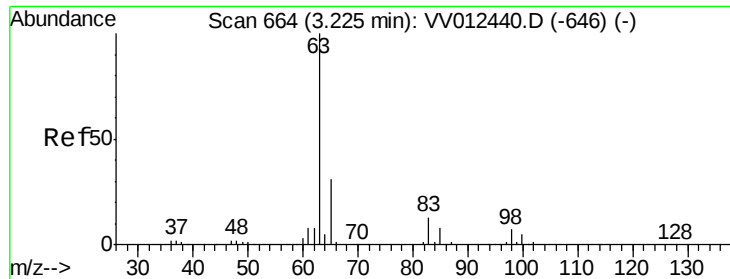


Abundance Ion 96.00 (95.70 to 96.70): VV012440.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012440.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012440.D (-515) (-)





#19

1,1-Dichloroethane

Concen: 4.898 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

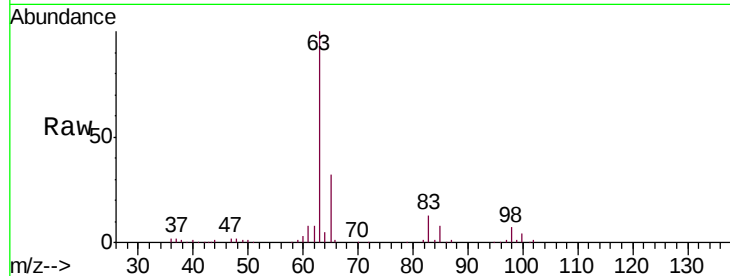
Tgt Ion: 63 Resp: 221413

Ion Ratio Lower Upper

63 100

65 32.3 21.6 40.2

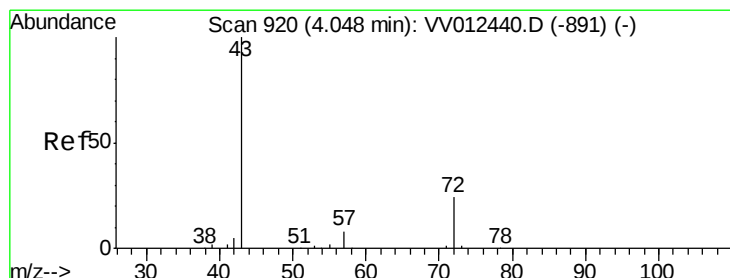
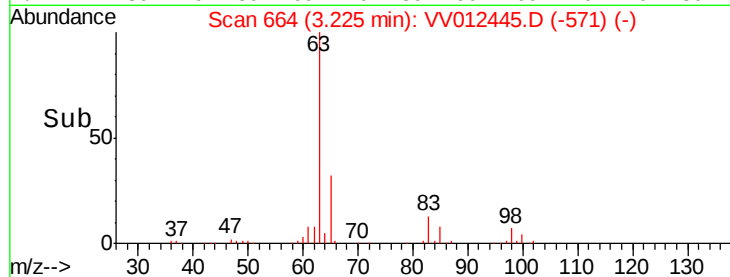
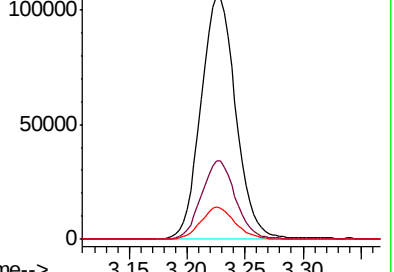
83 13.2 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV012440.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV012440.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV012440.D (-646) (-)



#21

2-Butanone

Concen: 49.530 ug/L

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VV012445.D

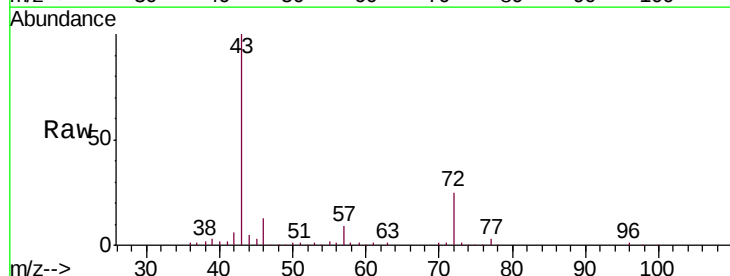
Acq: 30 Aug 2019 09:06

Tgt Ion: 43 Resp: 287563

Ion Ratio Lower Upper

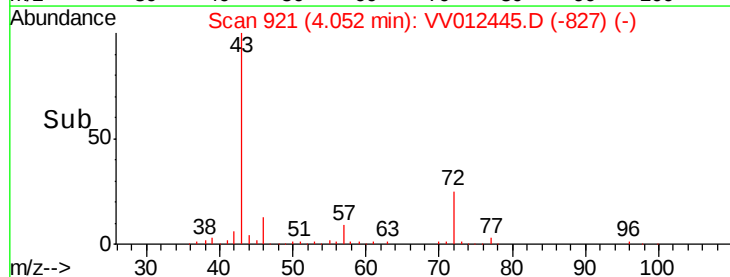
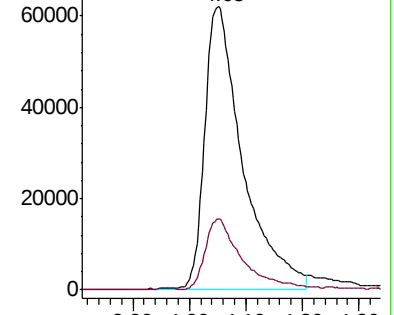
43 100

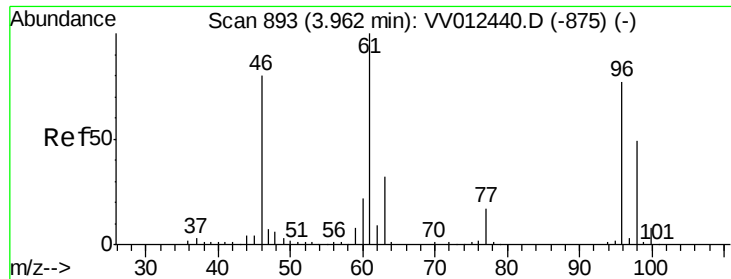
72 24.5 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VV012440.D (-891) (-)

Ion 72.10 (71.80 to 72.80): VV012440.D (-891) (-)



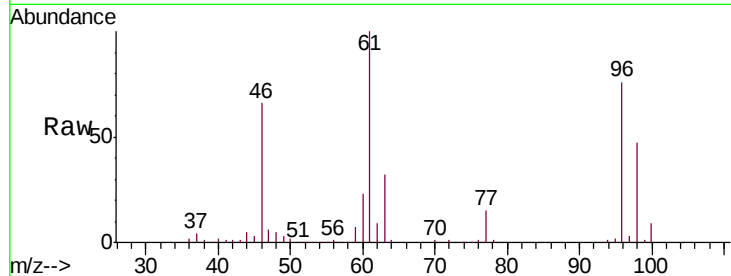


#22

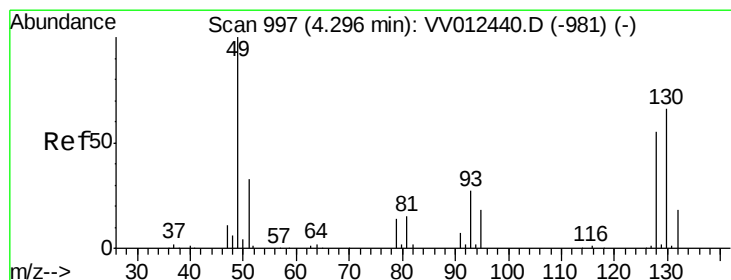
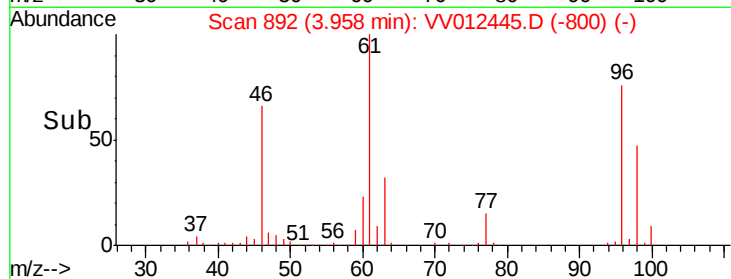
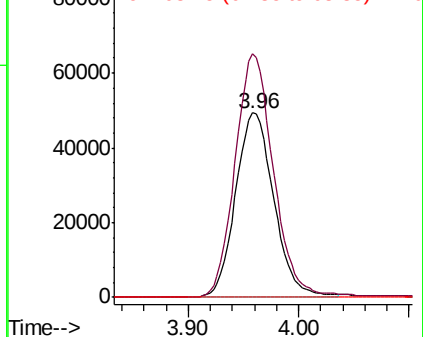
cis-1,2-Dichloroethene
 Concen: 4.915 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion: 96 Resp: 118835
 Ion Ratio Lower Upper
 96 100
 61 131.9 91.5 169.9
 68 0.0 0.0 0.0



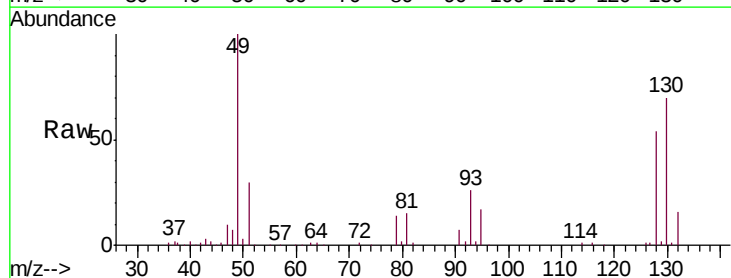
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



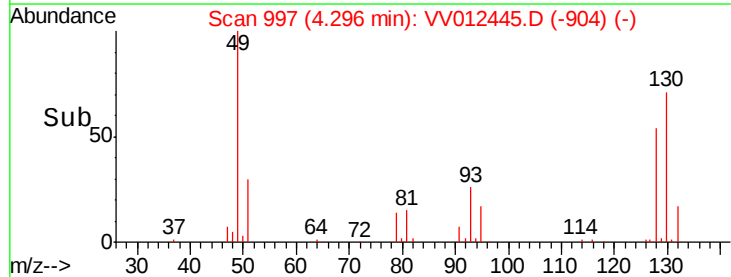
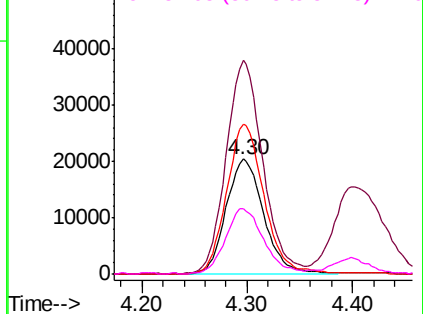
#23

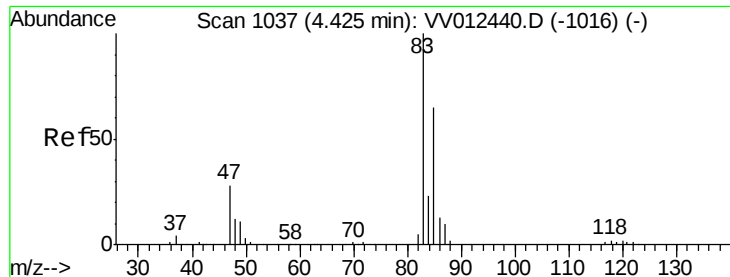
Bromochloromethane
 Concen: 4.820 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion: 128 Resp: 50610
 Ion Ratio Lower Upper
 128 100
 49 186.0 127.7 237.3
 130 129.9 84.1 156.1
 51 56.5 48.0 72.0



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

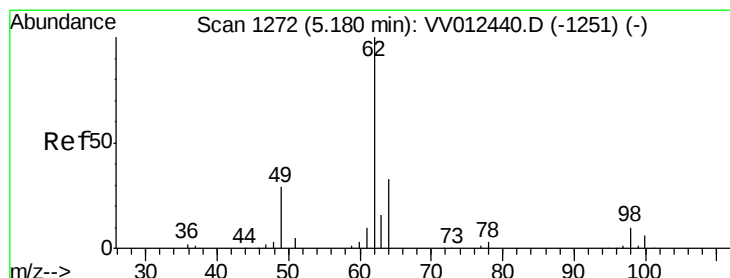
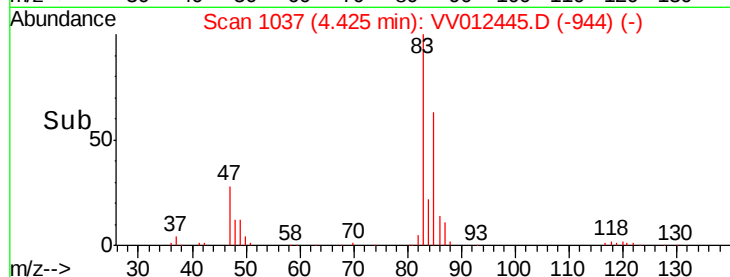
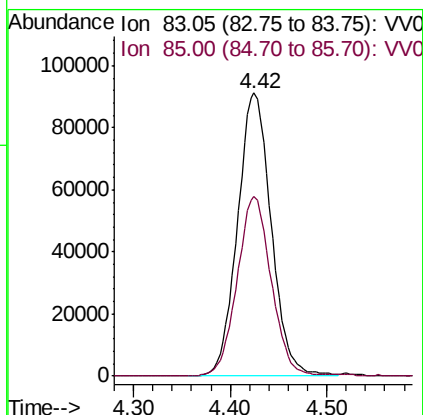
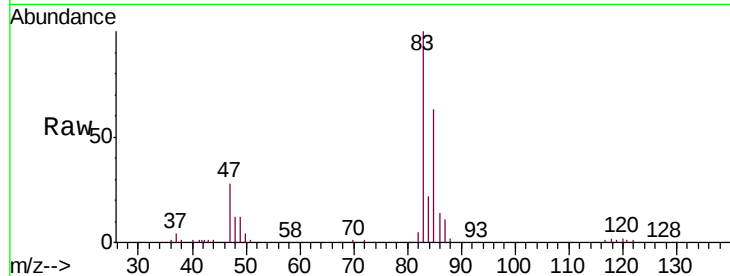




#25
Chloroform
Concen: 4.665 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012445.D
Acq: 30 Aug 2019 09:06

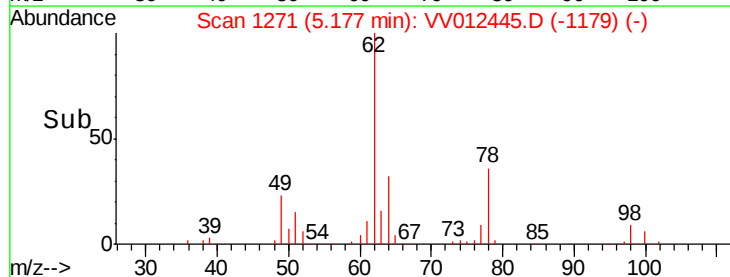
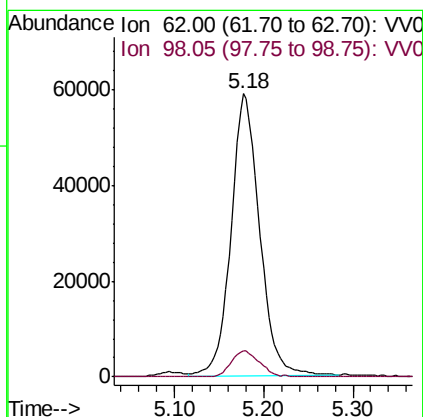
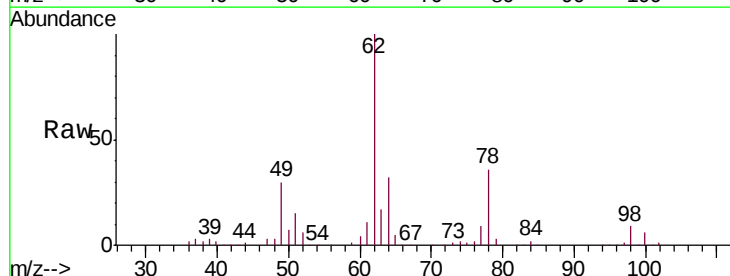
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

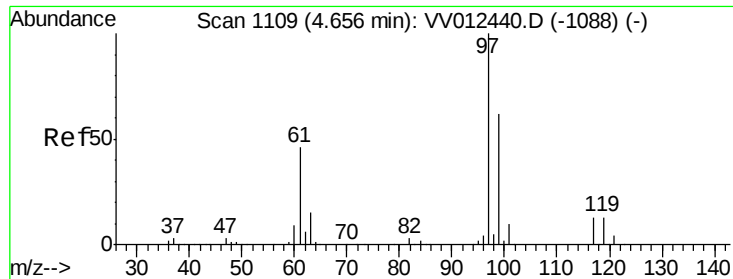
Tgt Ion: 83 Resp: 220932
Ion Ratio Lower Upper
83 100
85 63.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.923 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012445.D
Acq: 30 Aug 2019 09:06

Tgt Ion: 62 Resp: 130748
Ion Ratio Lower Upper
62 100
98 9.1 8.3 12.5

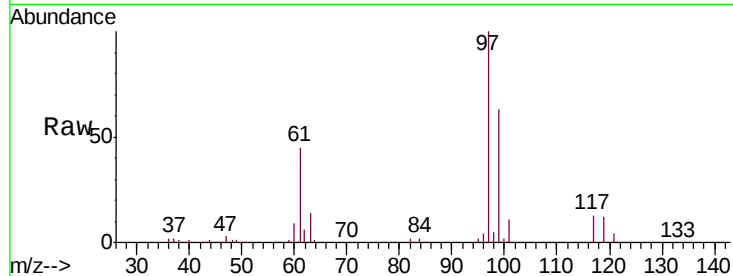




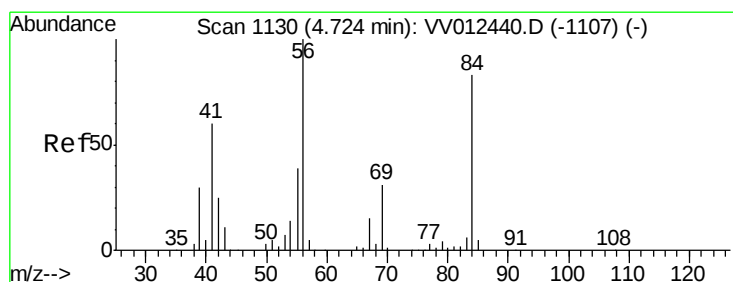
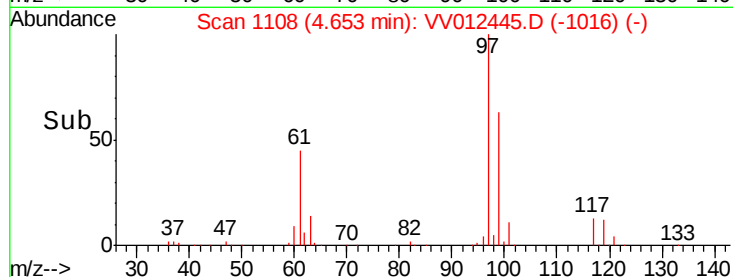
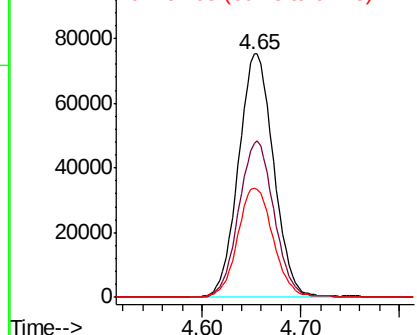
#29
 1,1,1-Trichloroethane
 Concen: 5.050 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion: 97 Resp: 185994
 Ion Ratio Lower Upper
 97 100
 99 64.6 49.8 74.6
 61 45.6 36.7 55.1

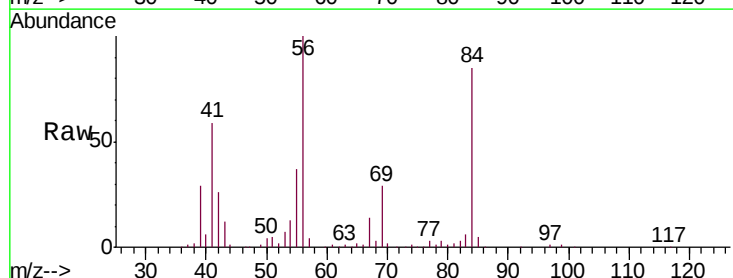


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

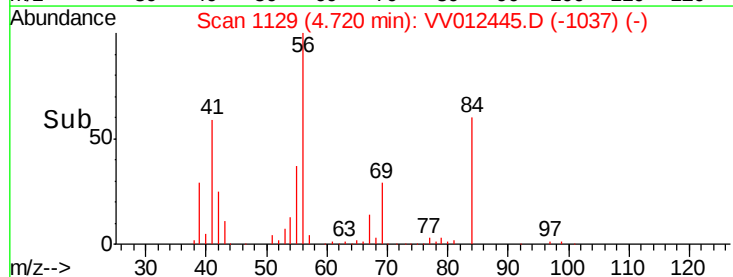
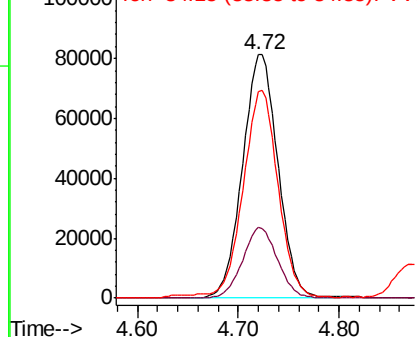


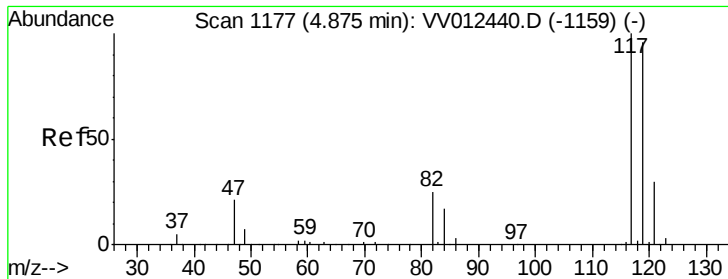
#30
 Cyclohexane
 Concen: 5.331 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion: 56 Resp: 197908
 Ion Ratio Lower Upper
 56 100
 69 28.7 24.4 36.6
 84 82.7 67.8 101.6



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: 4.993 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

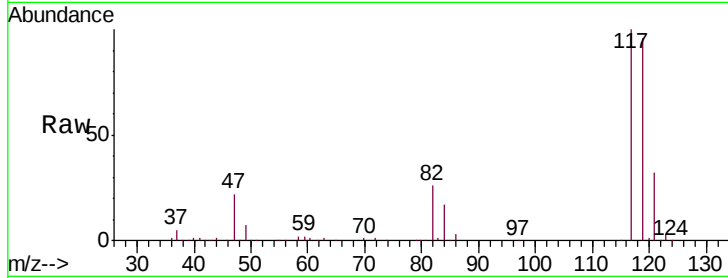
VSTD00555

Tgt Ion:117 Resp: 161776

Ion Ratio Lower Upper

117 100

119 96.9 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

80000

60000

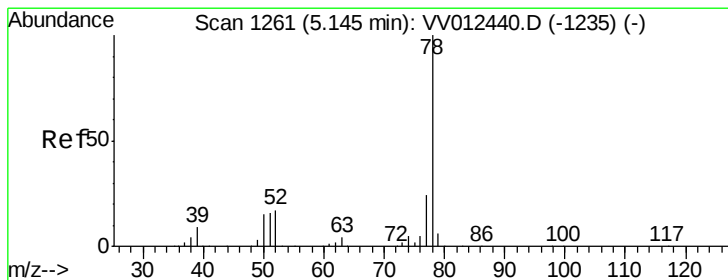
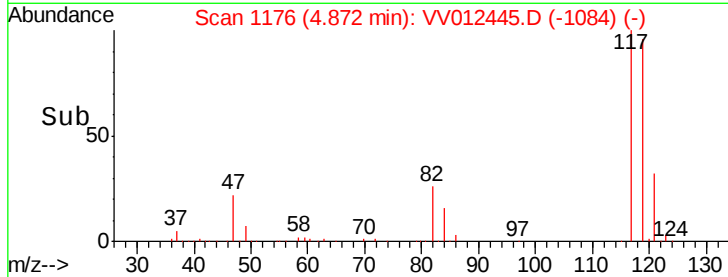
40000

20000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 5.111 ug/L

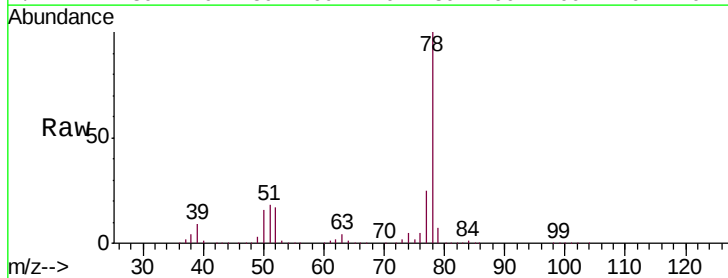
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Tgt Ion: 78 Resp: 481096



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

250000

200000

150000

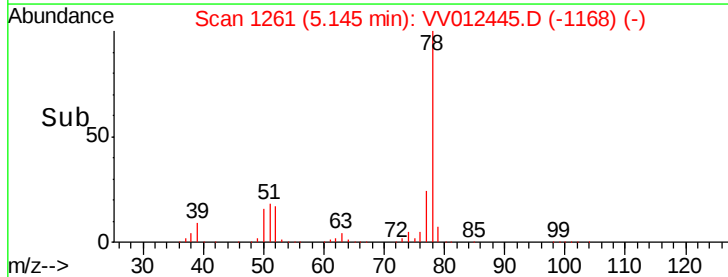
100000

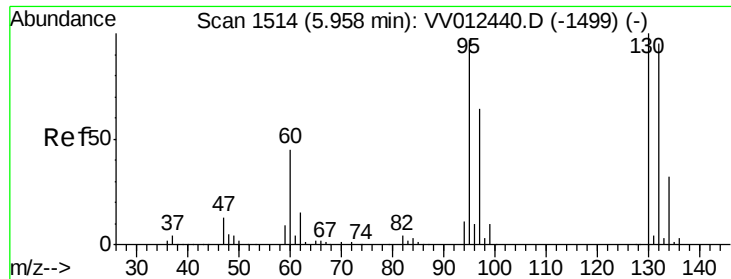
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 5.043 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 120930

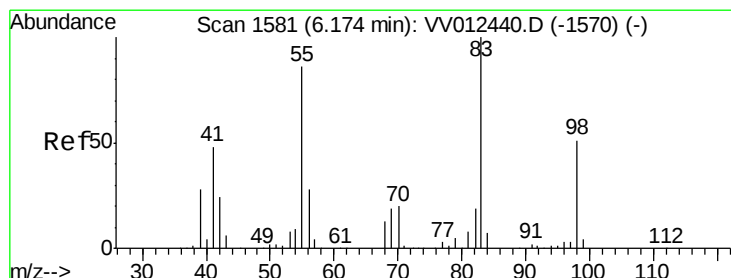
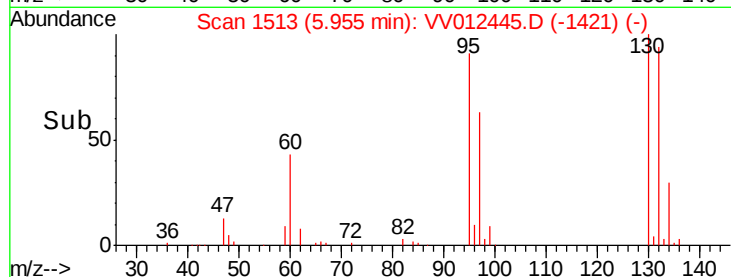
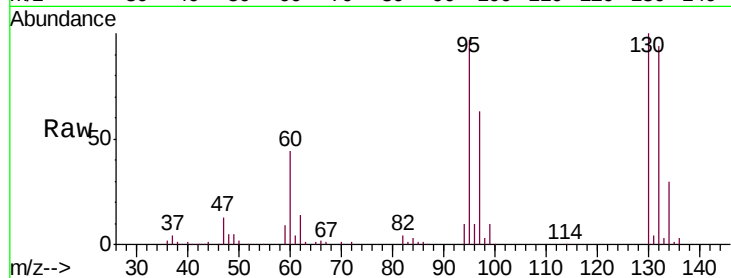
Ion Ratio Lower Upper

95 100

97 64.8 45.8 85.2

132 97.3 68.3 126.9

130 103.3 72.0 133.8



#35

Methylcyclohexane

Concen: 5.485 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

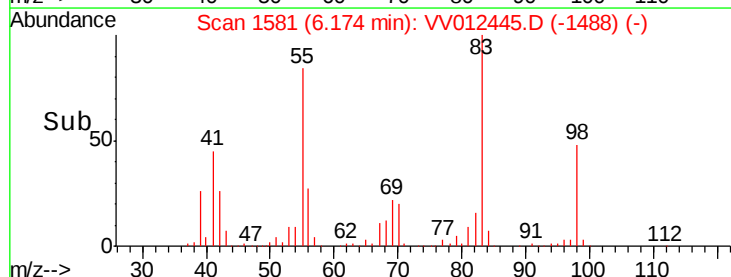
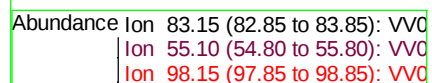
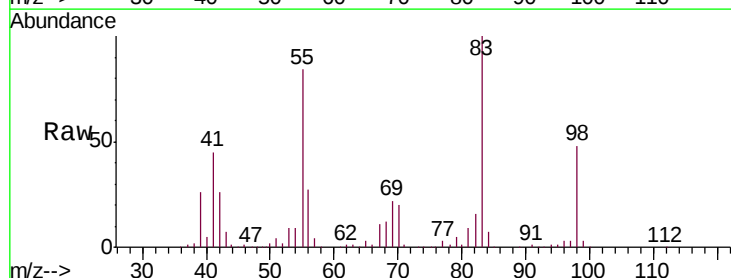
Tgt Ion: 83 Resp: 200160

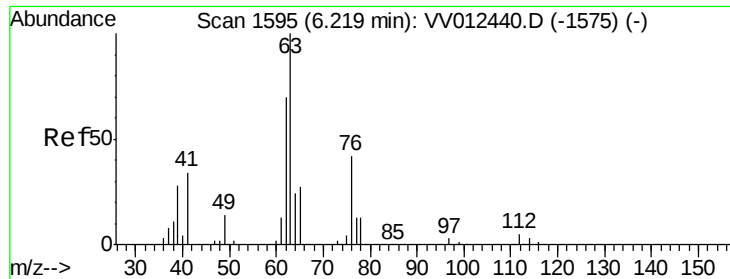
Ion Ratio Lower Upper

83 100

55 83.2 67.8 101.6

98 47.8 39.2 58.8

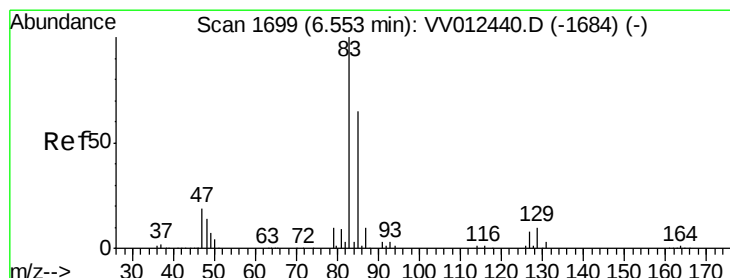
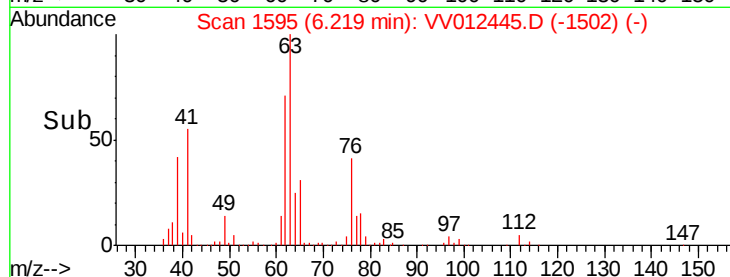
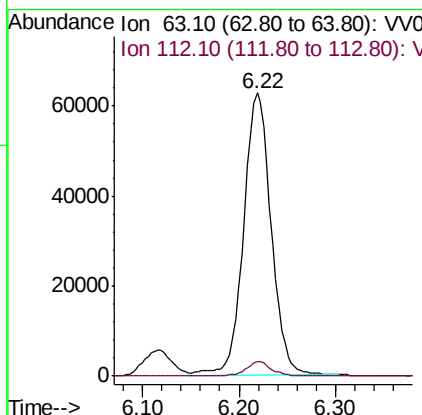
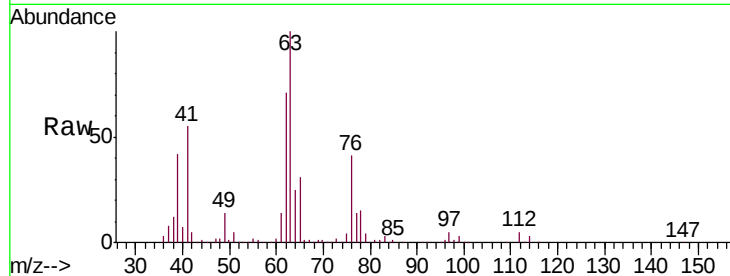




#37
 1,2-Dichloropropane
 Concen: 5.055 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

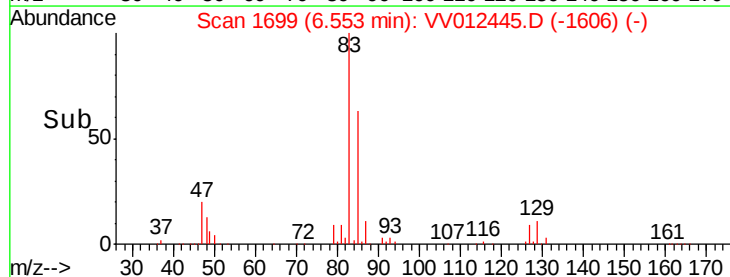
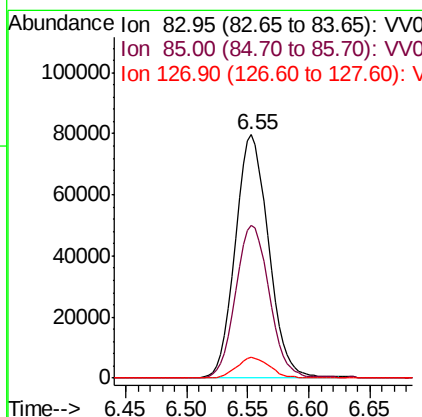
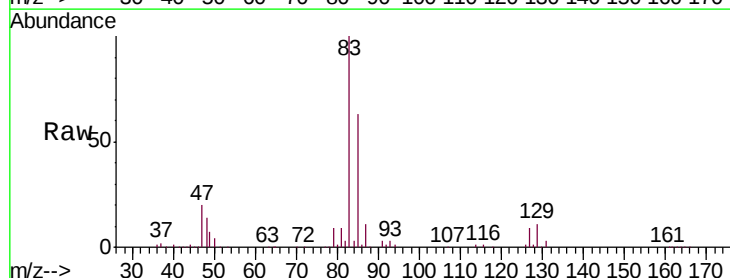
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

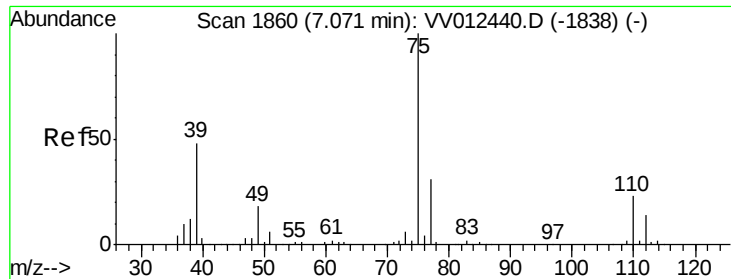
Tgt Ion: 63 Resp: 124087
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.936 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion: 83 Resp: 150685
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.4 84.4
 127 8.5 6.4 9.6

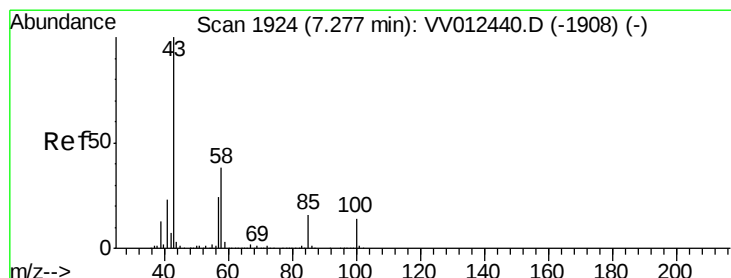
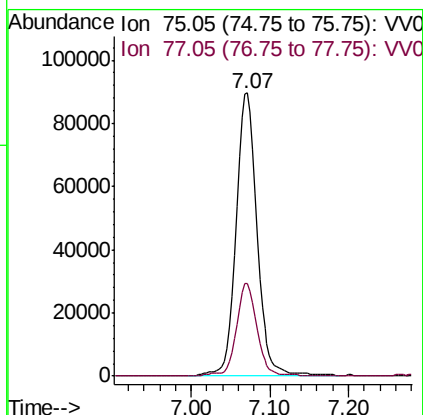
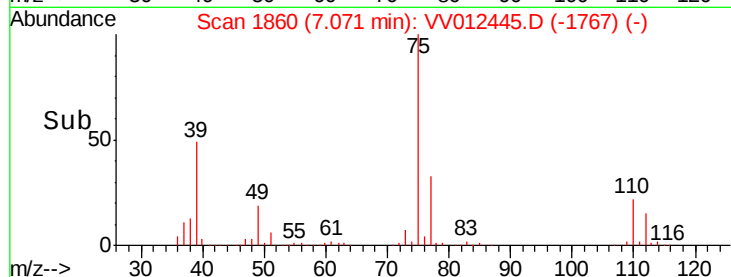
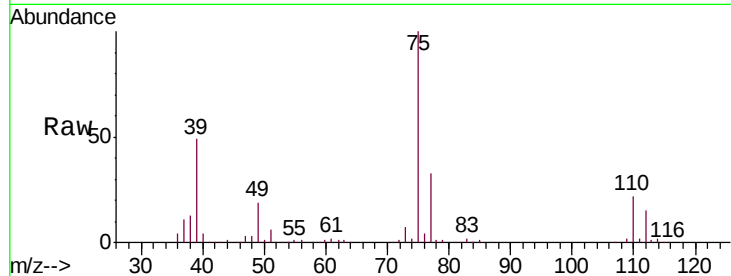




#39
 cis-1,3-Dichloropropene
 Concen: 5.237 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

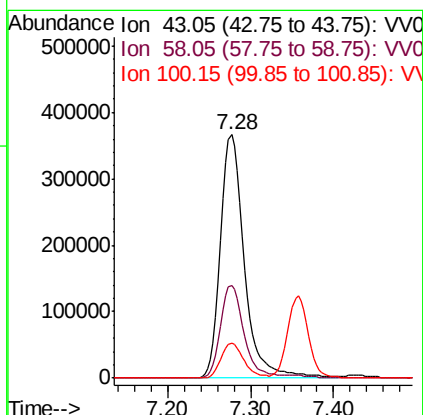
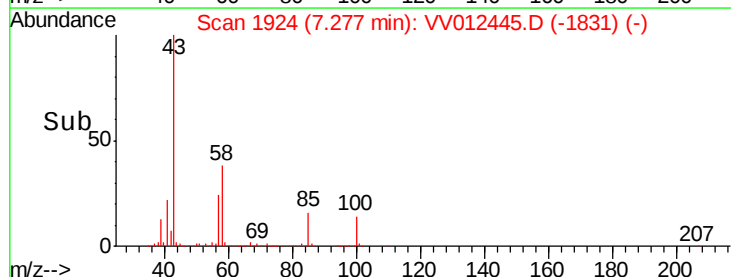
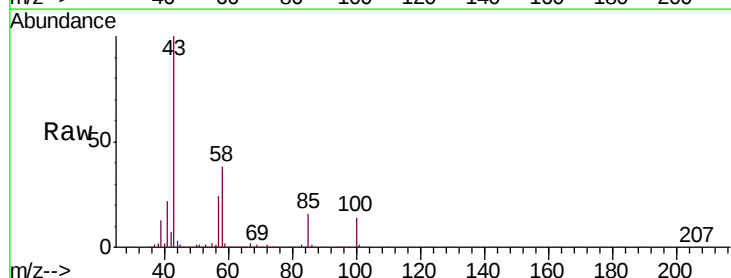
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

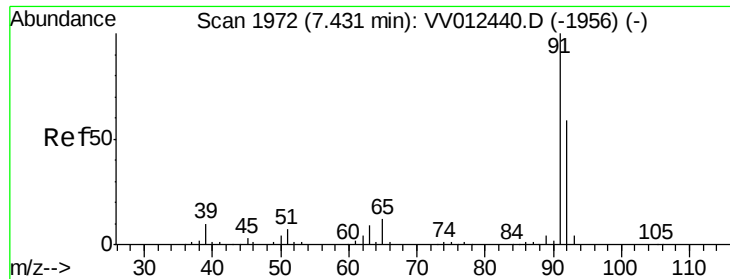
Tgt Ion: 75 Resp: 166343
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 52.735 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion: 43 Resp: 733673
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.7 44.5
 100 13.7 10.8 16.2





#42

Toluene

Concen: 5.313 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

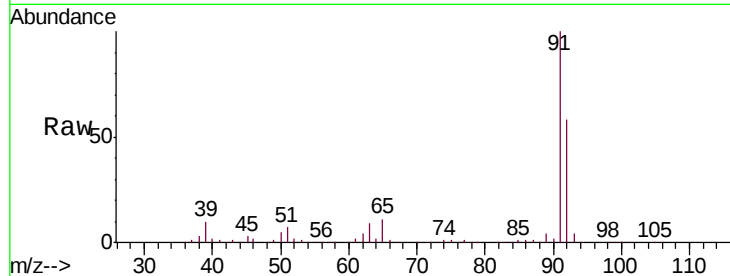
VSTD00555

Tgt Ion: 91 Resp: 511913

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

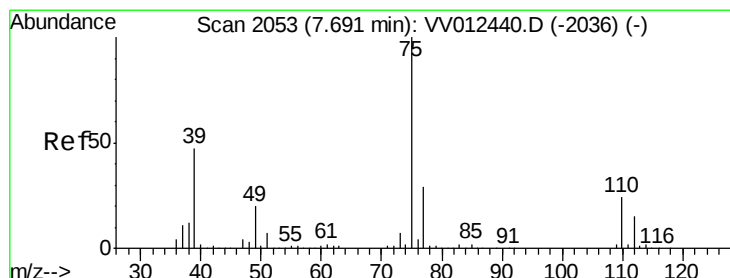
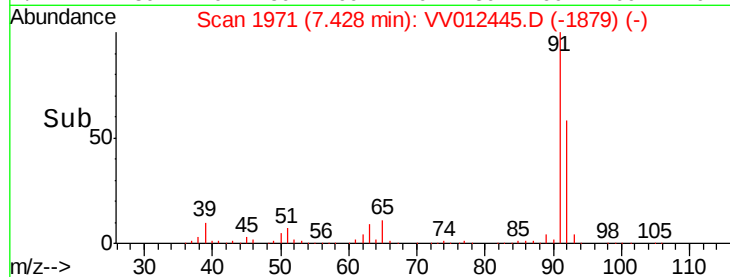
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.200 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012445.D

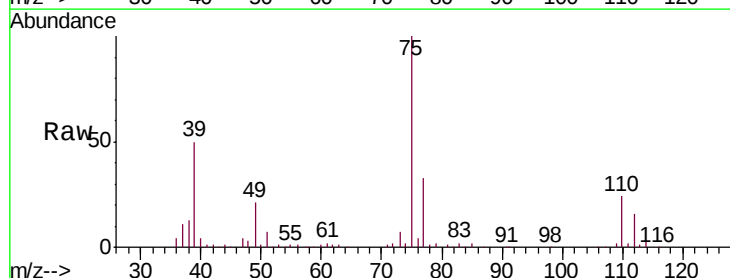
Acq: 30 Aug 2019 09:06

Tgt Ion: 75 Resp: 128293

Ion Ratio Lower Upper

75 100

77 32.9 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

80000

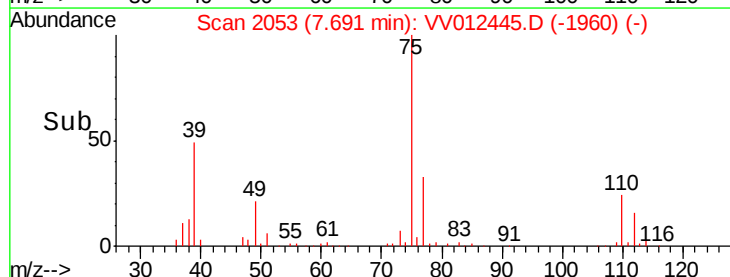
60000

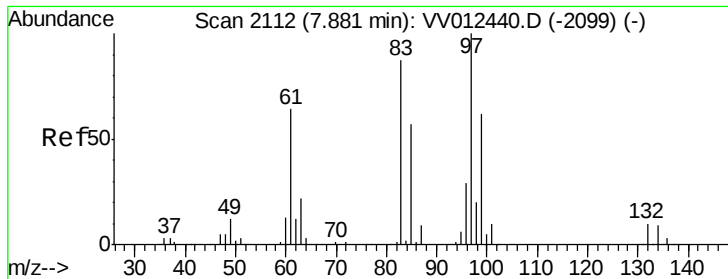
40000

20000

0

Time-->

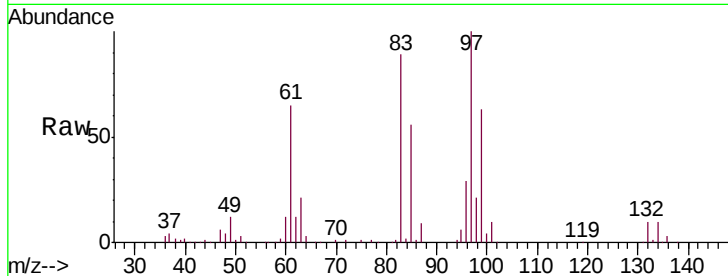




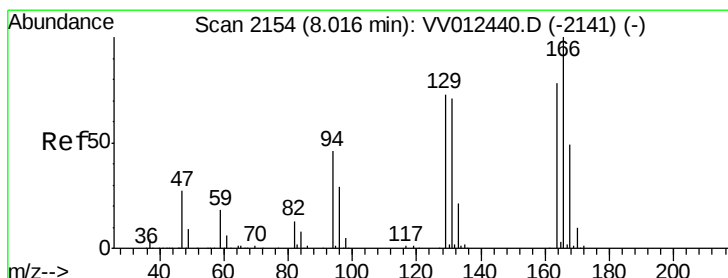
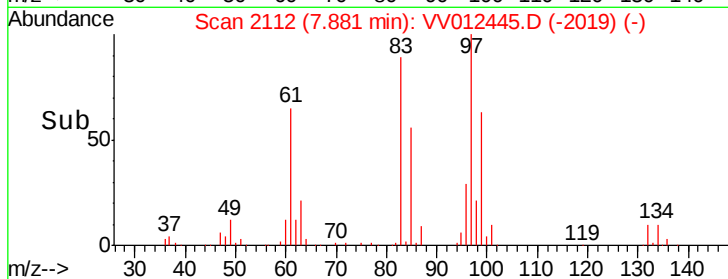
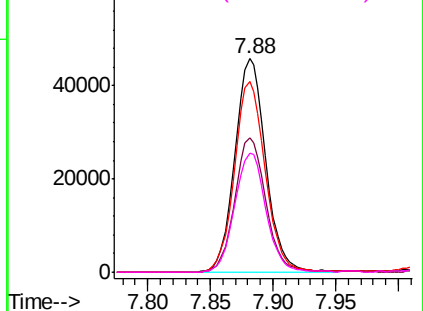
#45
 1,1,2-Trichloroethane
 Concen: 4.825 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion:	97	Resp:	78560
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.3	80.3
83	89.2	61.2	113.6
85	56.0	40.0	74.4

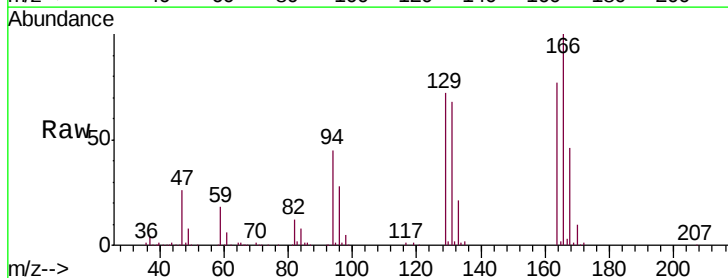


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

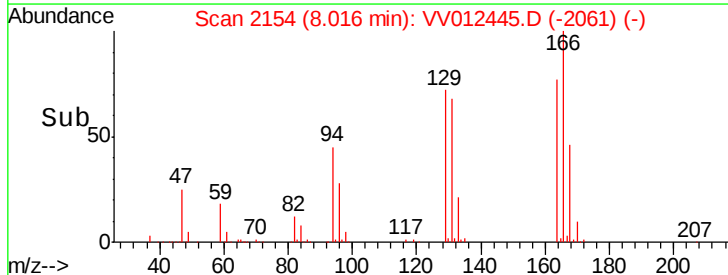
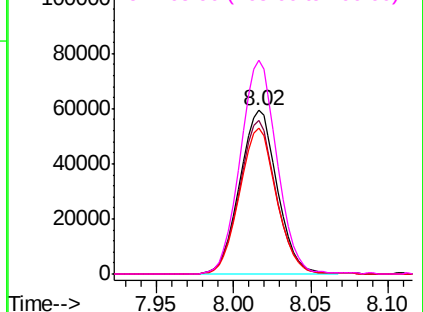


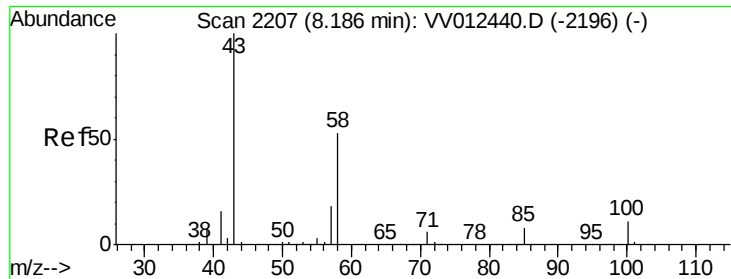
#47
 Tetrachloroethene
 Concen: 5.212 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion:	164	Resp:	100057
Ion	Ratio	Lower	Upper
164	100		
129	93.6	65.6	121.8
131	89.0	63.3	117.5
166	130.5	89.4	166.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

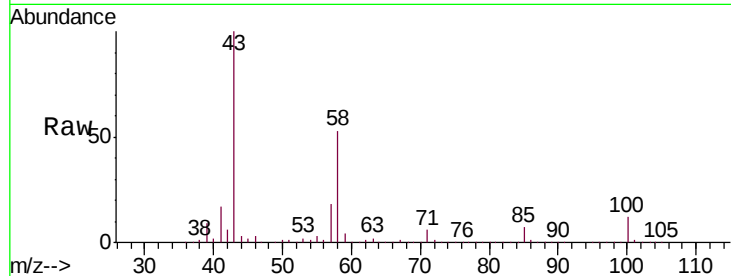




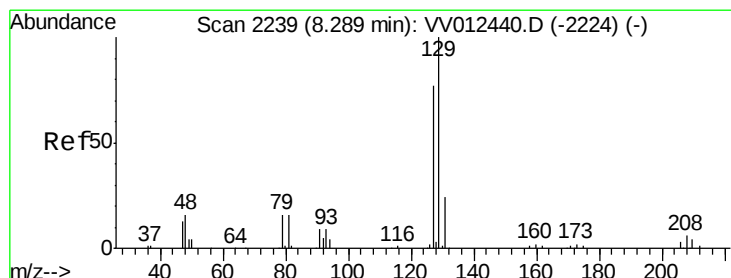
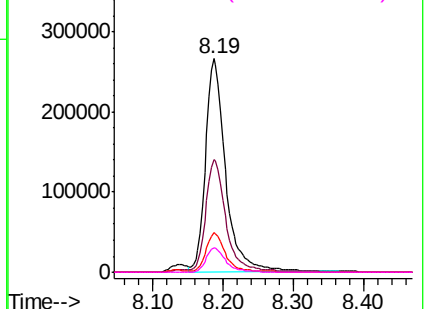
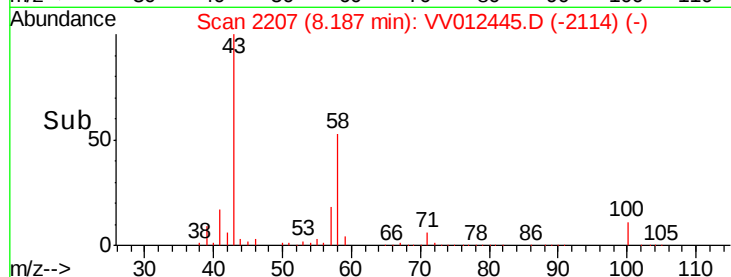
#48
2-Hexanone
Concen: 55.716 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012445.D
Acq: 30 Aug 2019 09:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion:	43	Resp:	527935
Ion	Ratio	Lower	Upper
43	100		
58	51.8	43.6	65.4
57	17.7	14.2	21.2
100	11.4	8.9	13.3

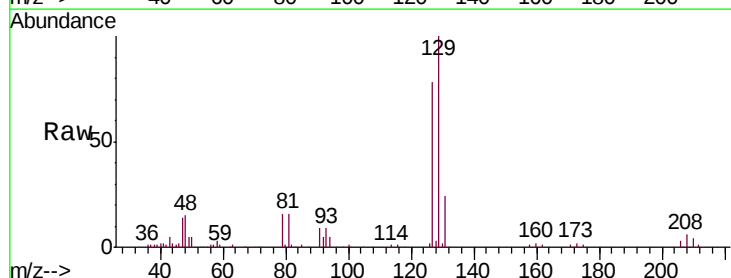


Abundance Ion 43.05 (42.75 to 43.75): VV012445.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV012445.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV012445.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV012445.D (-2114) (-)

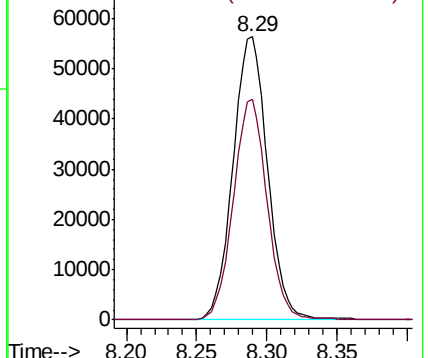
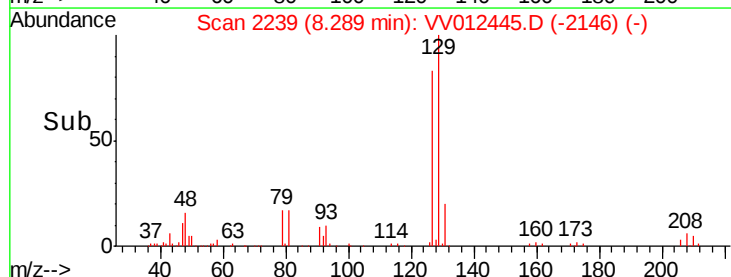


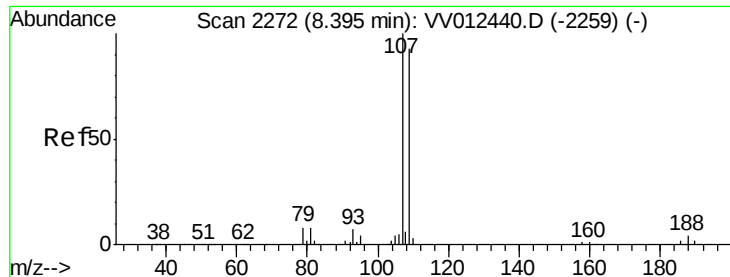
#49
Dibromochloromethane
Concen: 5.168 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012445.D
Acq: 30 Aug 2019 09:06

Tgt Ion:	129	Resp:	96898
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.6	99.6



Abundance Ion 128.95 (128.65 to 129.65): VV012445.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012445.D (-2146) (-)

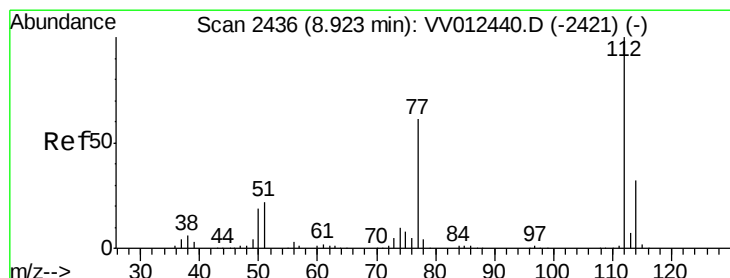
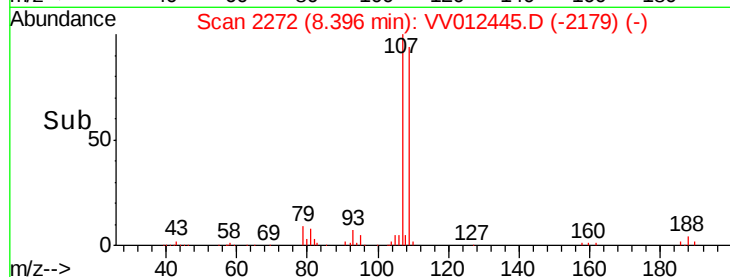
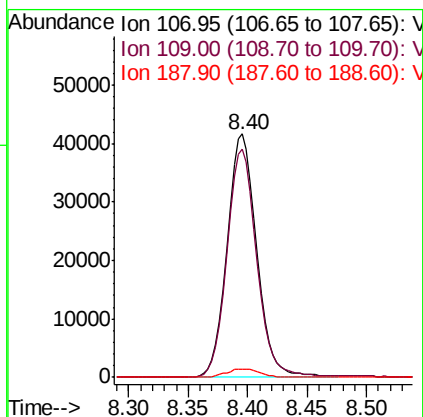
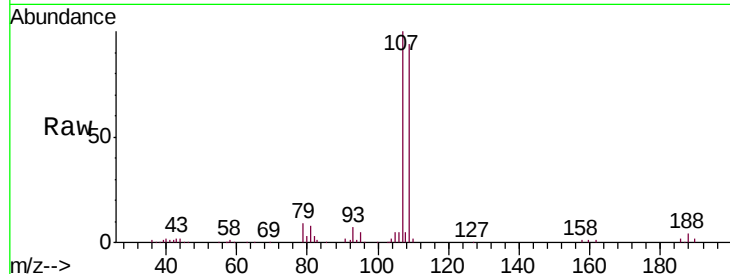




#50
 1,2-Dibromoethane
 Concen: 4.996 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

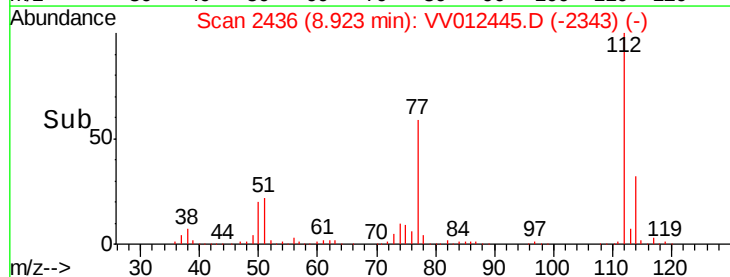
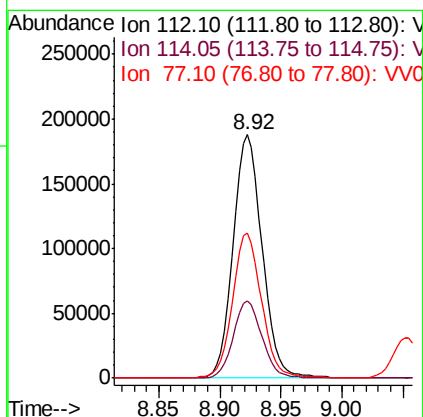
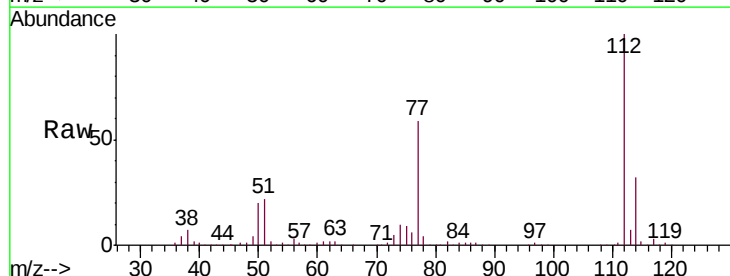
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00555

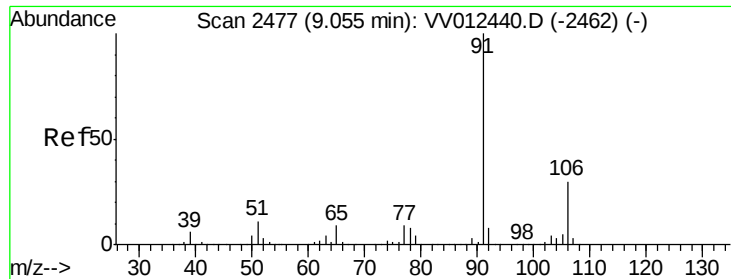
Tgt Ion:107 Resp: 71851
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.0 120.8
 188 3.6 2.8 4.2



#51
 Chlorobenzene
 Concen: 5.089 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion:112 Resp: 310723
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.7 42.3
 77 59.4 49.0 73.6





#52

Ethylbenzene

Concen: 5.372 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

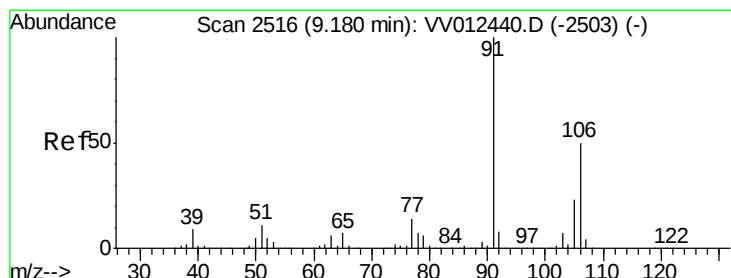
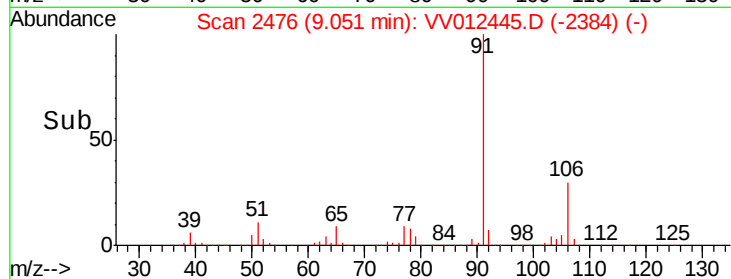
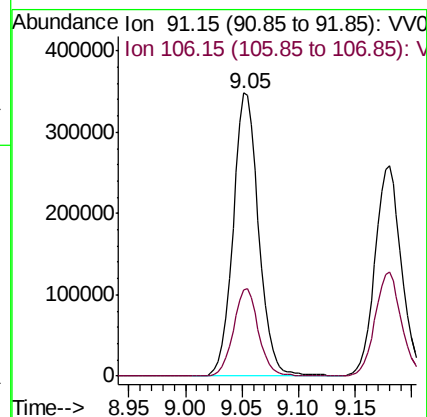
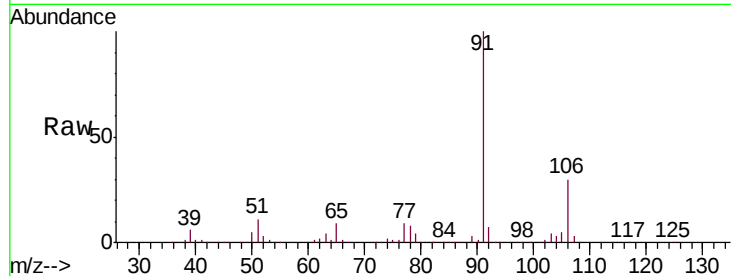
VSTD00555

Tgt Ion: 91 Resp: 546954

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.3



#53

m,p-xylene

Concen: 5.559 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012445.D

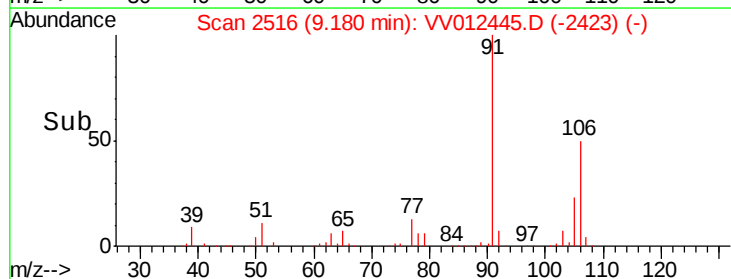
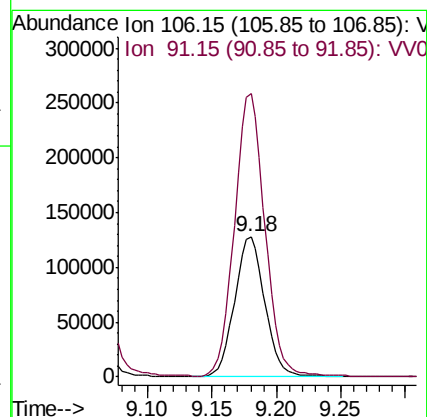
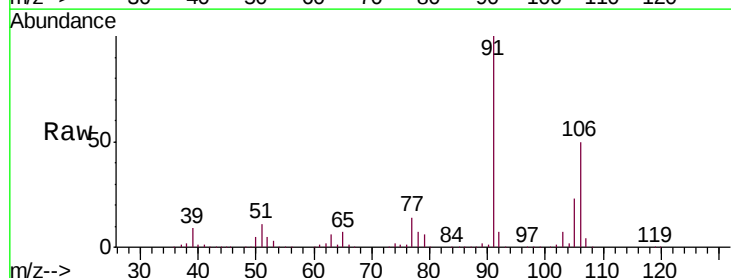
Acq: 30 Aug 2019 09:06

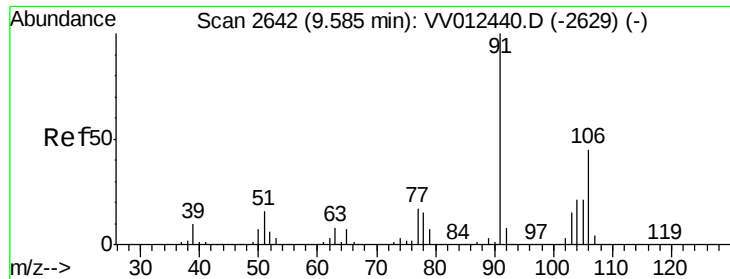
Tgt Ion: 106 Resp: 207482

Ion Ratio Lower Upper

106 100

91 201.6 141.3 262.3





#54

o-xylene

Concen: 5.336 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

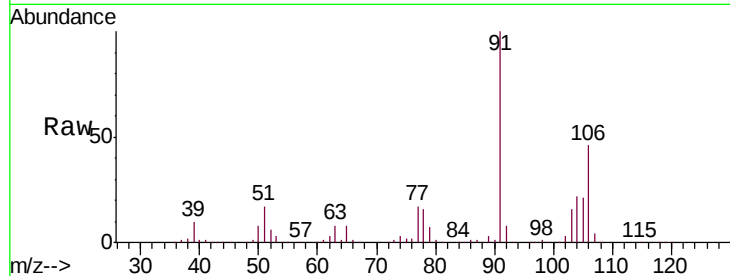
VSTD00555

Tgt Ion:106 Resp: 194443

Ion Ratio Lower Upper

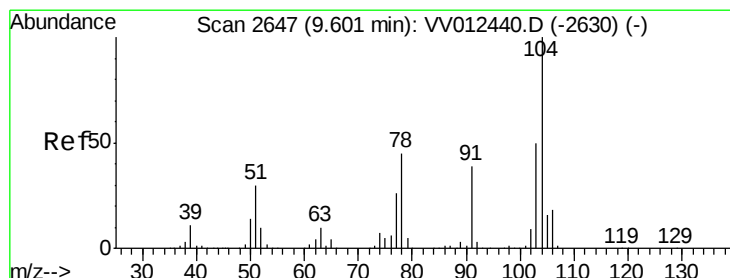
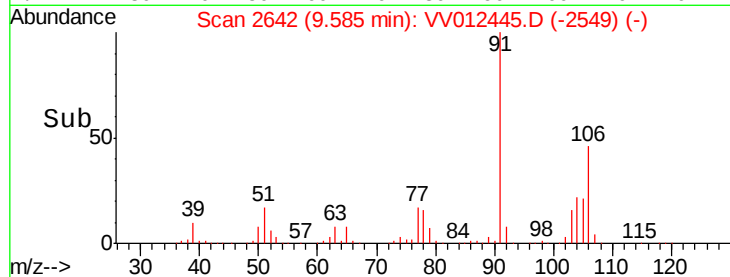
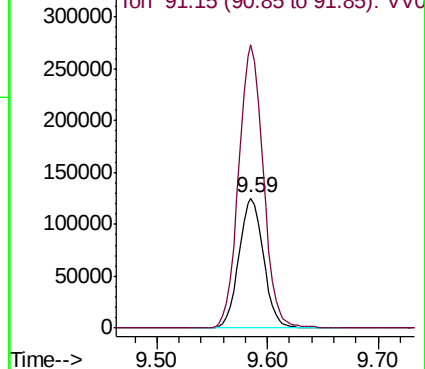
106 100

91 217.1 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.569 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012445.D

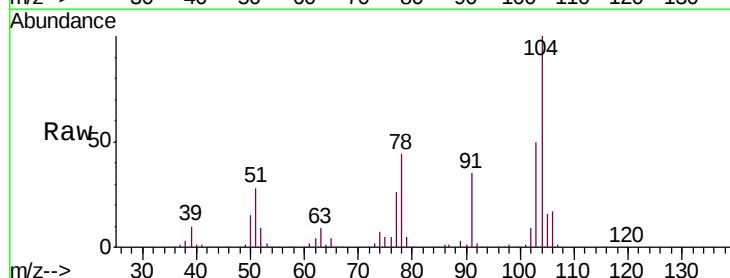
Acq: 30 Aug 2019 09:06

Tgt Ion:104 Resp: 340688

Ion Ratio Lower Upper

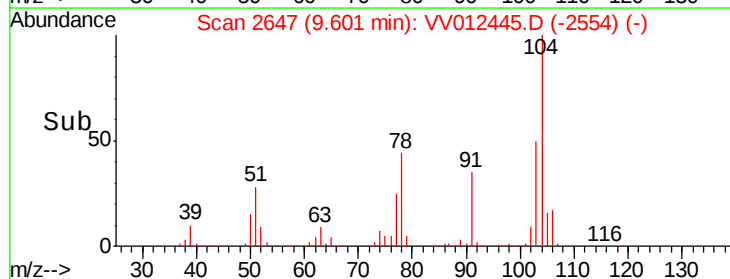
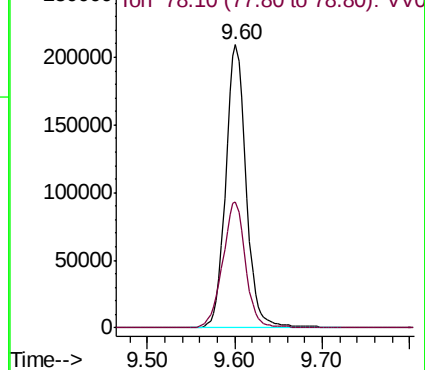
104 100

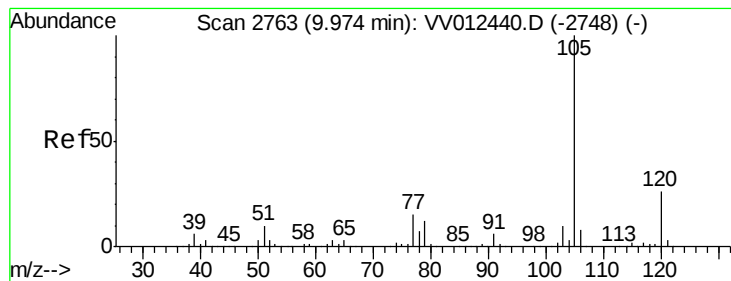
78 44.5 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.513 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

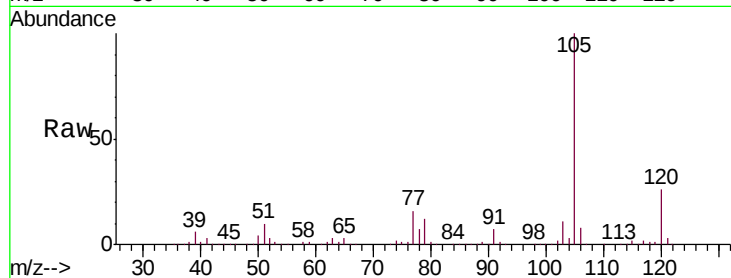
Tgt Ion: 105 Resp: 529046

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

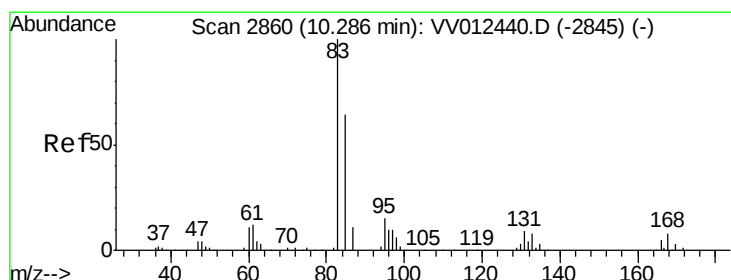
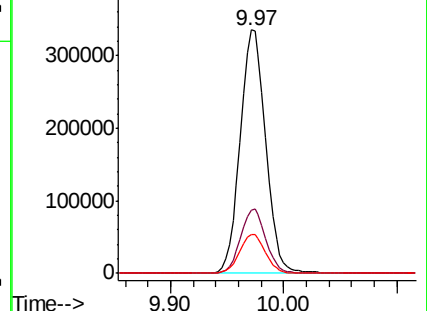
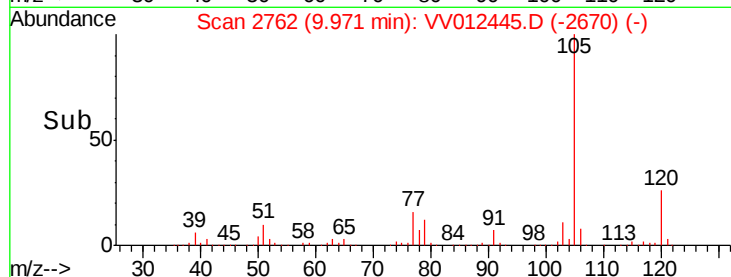
77 16.2 12.7 19.1



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: 4.840 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

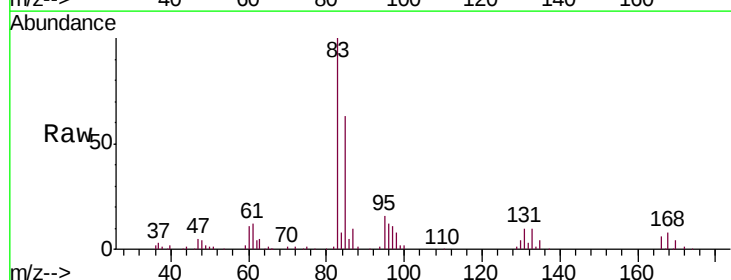
Tgt Ion: 83 Resp: 92711

Ion Ratio Lower Upper

83 100

85 63.3 45.0 83.6

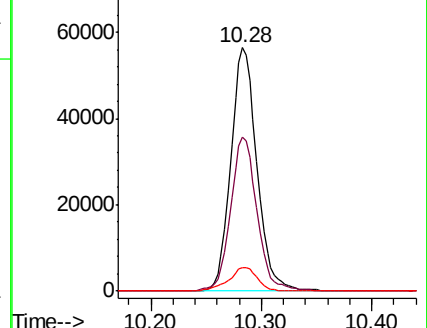
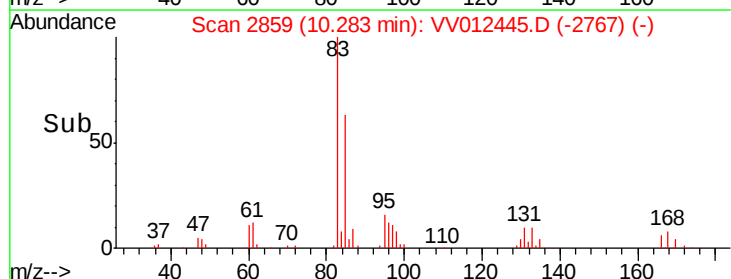
131 9.8 7.4 11.2

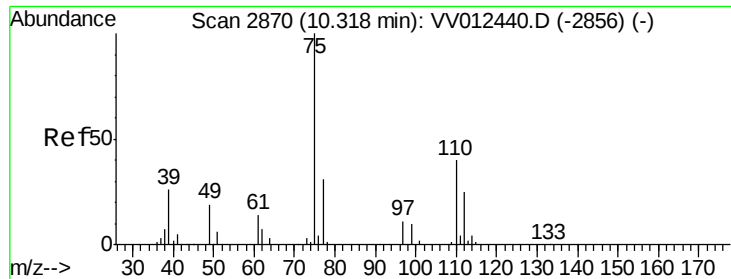


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

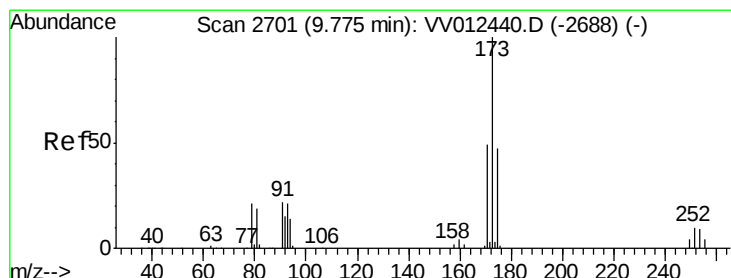
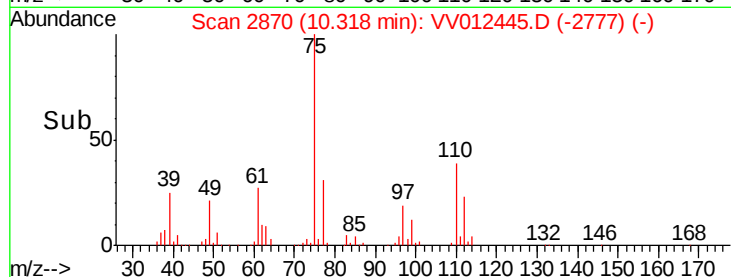
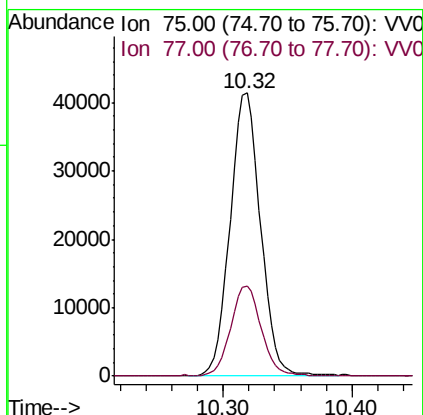
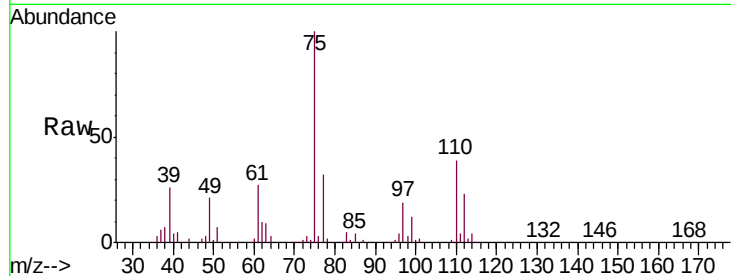




#59
 1,2,3-Trichloropropane
 Concen: 4.979 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

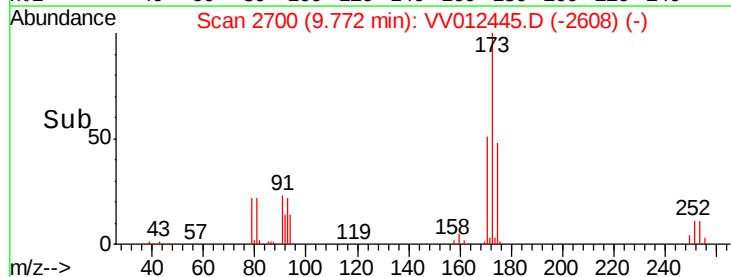
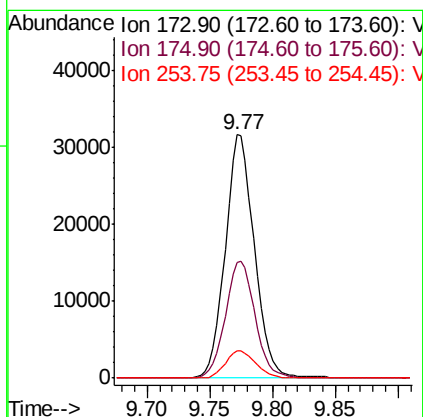
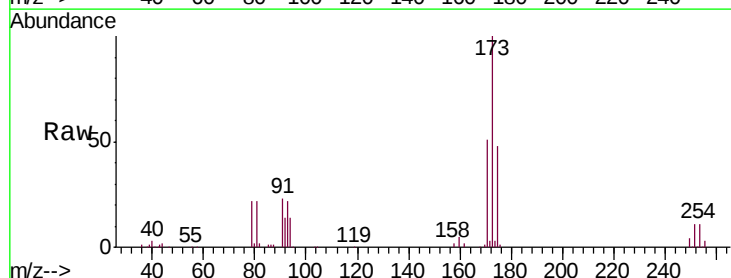
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

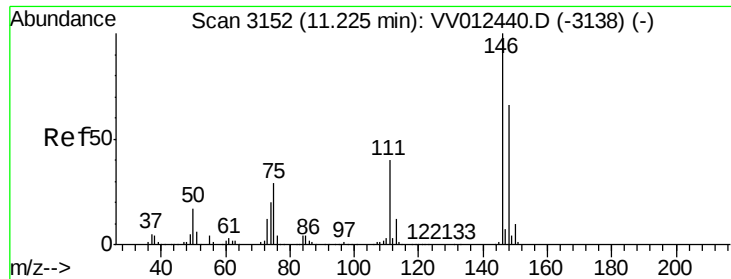
Tgt Ion: 75 Resp: 67885
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8



#61
 Bromoform
 Concen: 4.931 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion: 173 Resp: 51188
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.6
 254 11.5 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 5.265 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

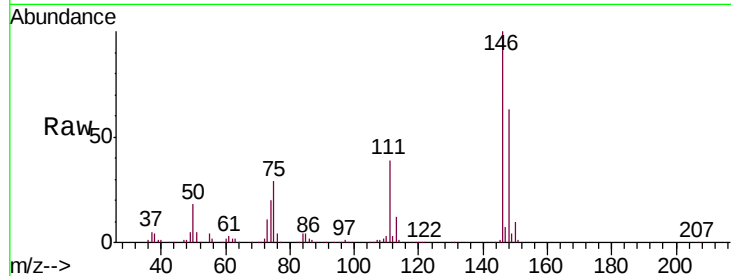
Tgt Ion:146 Resp: 246007

Ion Ratio Lower Upper

146 100

111 38.7 27.6 51.4

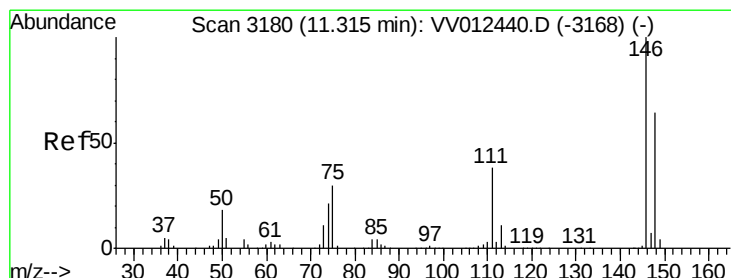
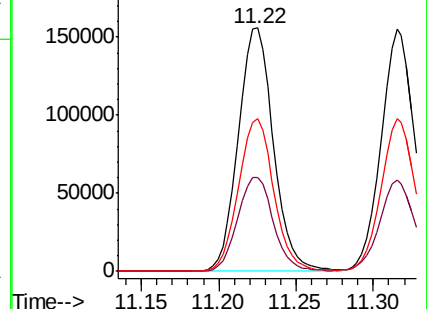
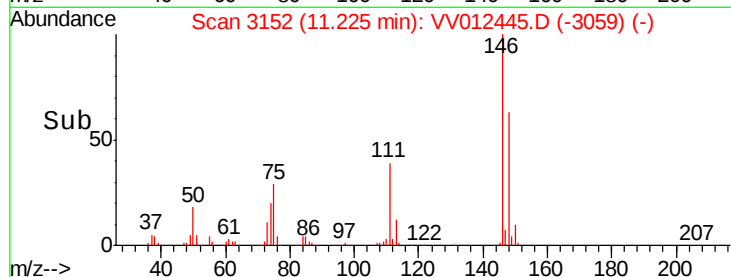
148 62.5 45.8 85.2



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: 5.124 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

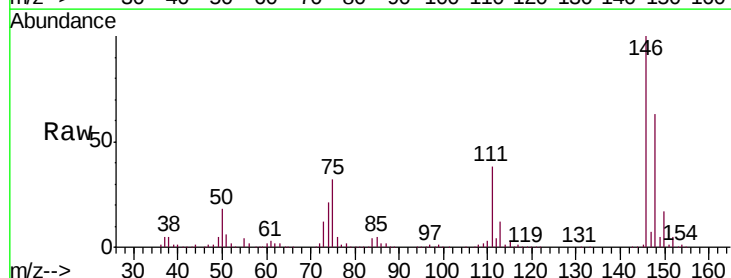
Tgt Ion:146 Resp: 239830

Ion Ratio Lower Upper

146 100

111 37.9 26.8 49.8

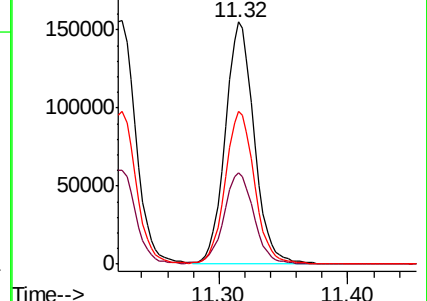
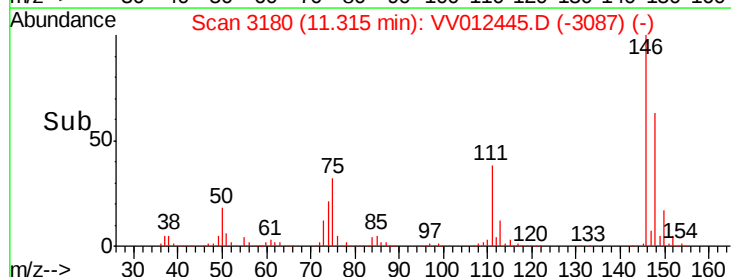
148 62.9 44.5 82.7

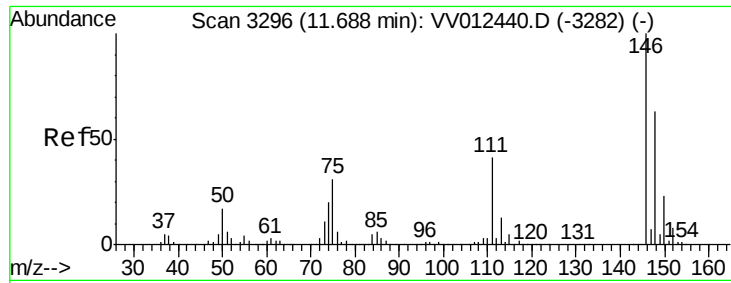


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.065 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

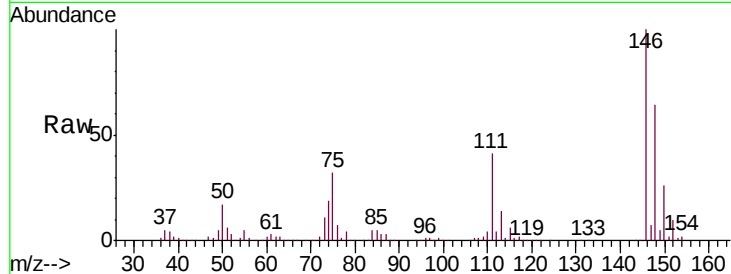
Tgt Ion:146 Resp: 223108

Ion Ratio Lower Upper

146 100

111 41.1 32.5 48.7

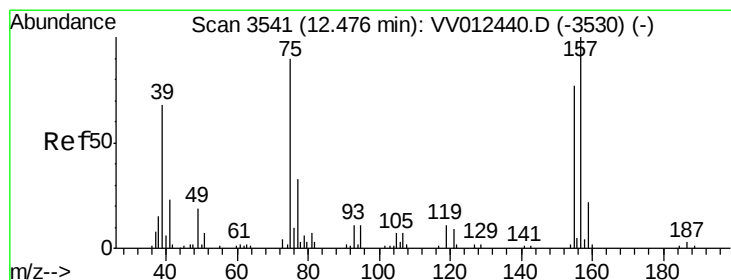
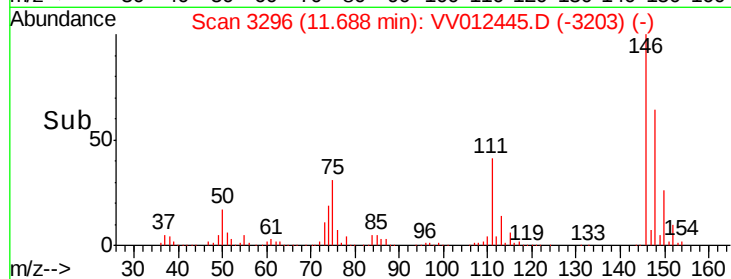
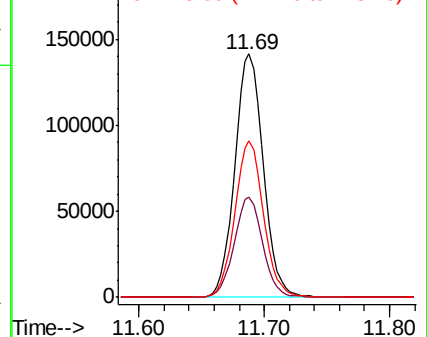
148 64.2 50.2 75.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.830 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

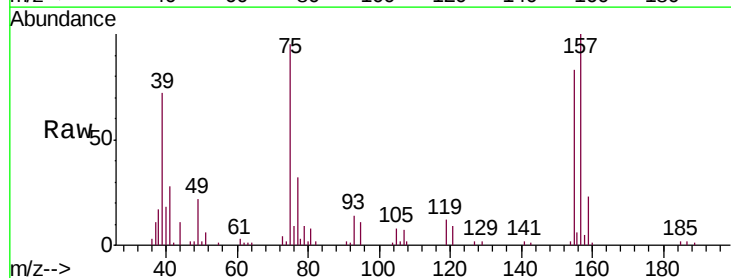
Tgt Ion: 75 Resp: 14323

Ion Ratio Lower Upper

75 100

155 88.0 68.6 102.8

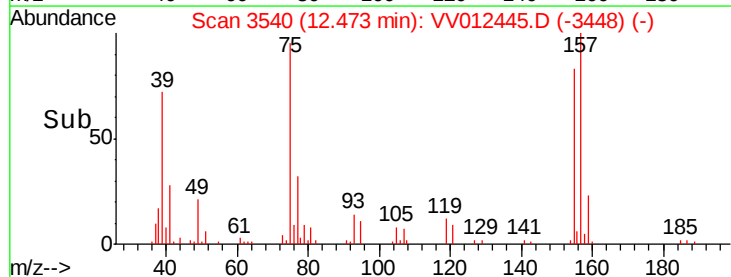
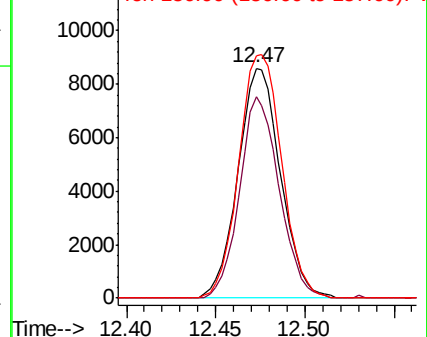
157 105.8 88.6 133.0

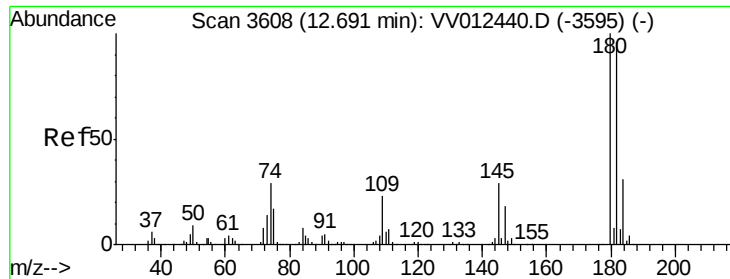


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

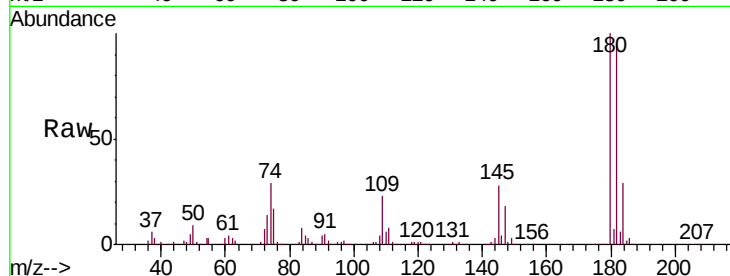




#67
 1,3,5-Trichlorobenzene
 Concen: 5.331 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	115.0
184	29.9	24.8	37.2
145	28.3	22.8	34.2



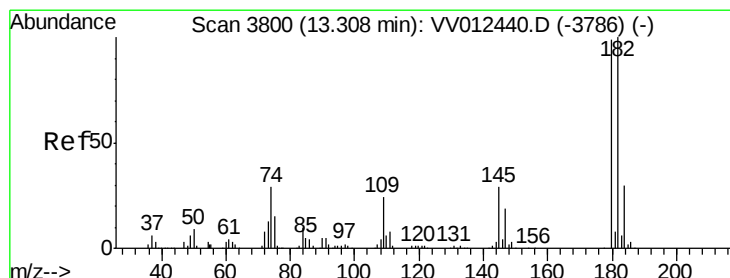
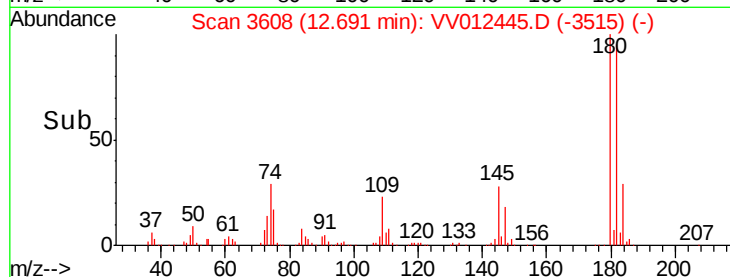
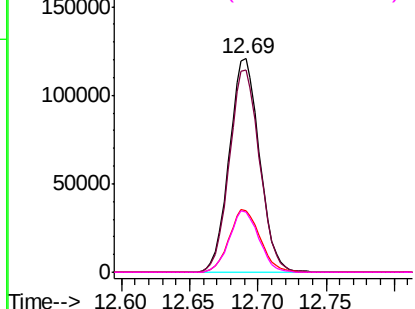
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

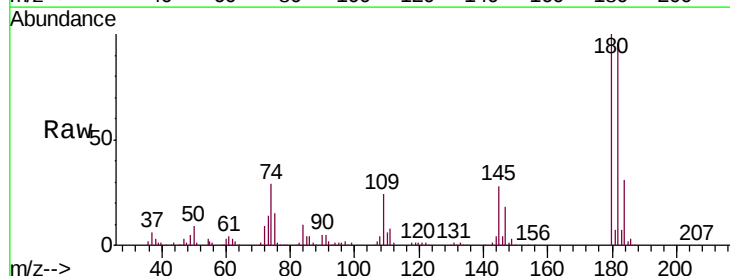
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.374 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012445.D
 Acq: 30 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.1	117.1
145	28.7	23.4	35.0

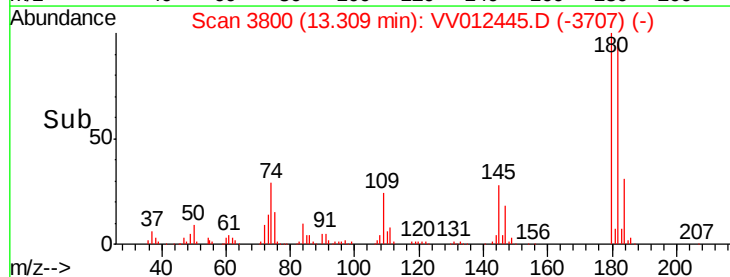
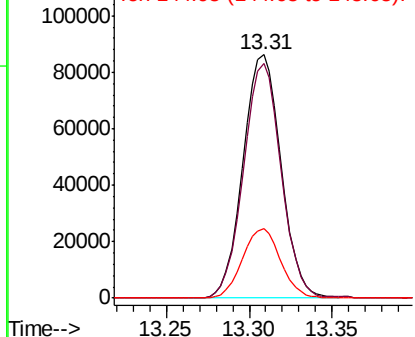


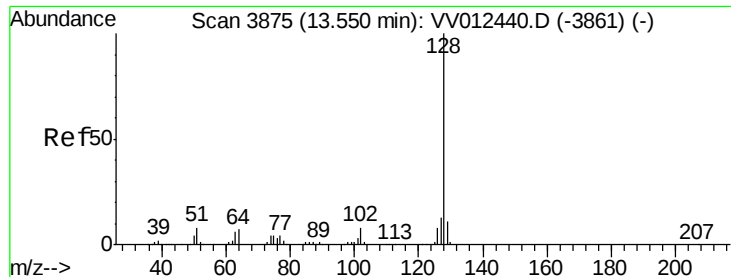
Abundance

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: 5.005 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

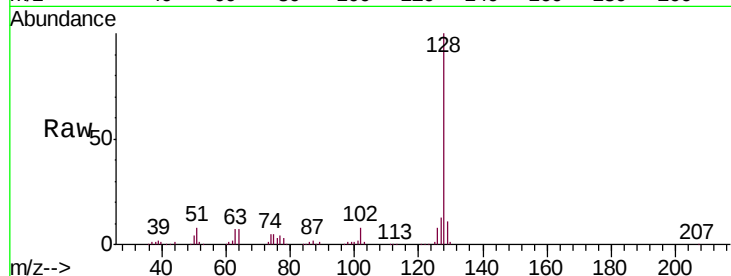
Tgt Ion:128 Resp: 185111

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

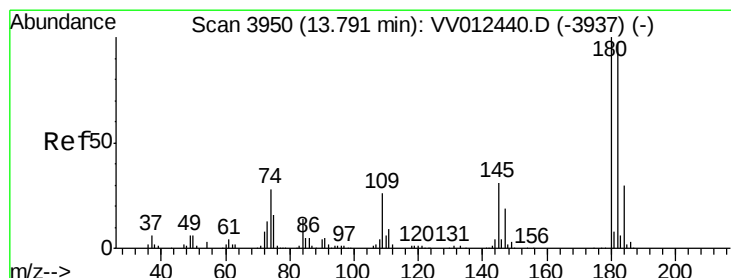
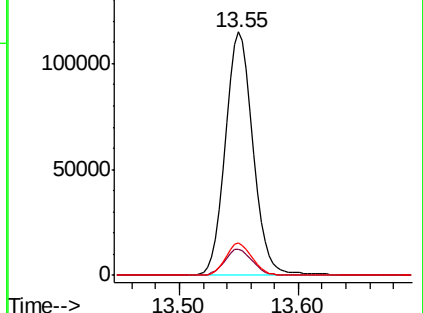
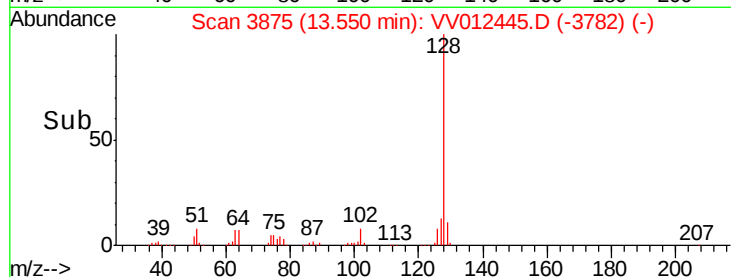
127 12.9 10.7 16.1



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: 5.277 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012445.D

Acq: 30 Aug 2019 09:06

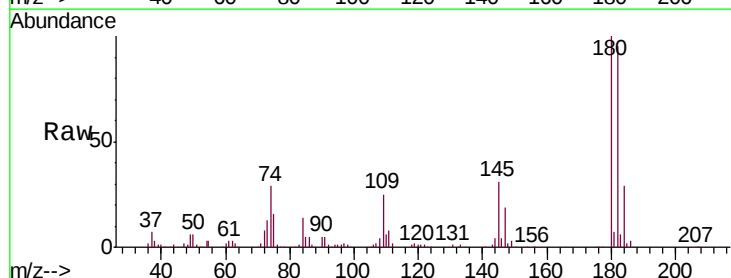
Tgt Ion:180 Resp: 129549

Ion Ratio Lower Upper

180 100

182 96.6 77.5 116.3

145 30.9 25.0 37.6



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

