

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
 Data File : VV016698.D
 Acq On : 09 Jun 2020 07:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Quant Time: Jun 10 00:27:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 03:29:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	370899	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	354158	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175787	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	125309	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.76%
7) Chloroethane-d5	1.56	69	84644	53.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.12	63	215076	48.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.88%
21) 2-Butanone-d5	3.90	46	197681	102.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.05%
24) Chloroform-d	4.37	84	264479	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.06	65	182762	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
32) Benzene-d6	5.07	84	503458	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.09	67	155303	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.60%
41) Toluene-d8	7.34	98	464668	49.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.64	79	76364	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.11	63	142368	102.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.61%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	209608	49.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	188211	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	137596	46.793	ug/L	99
3) Chloromethane	1.25	50	132268	49.186	ug/L	100
5) Vinyl chloride	1.32	62	130424	49.320	ug/L	99
6) Bromomethane	1.51	94	44860	40.731	ug/L	100
8) Chloroethane	1.58	64	69503	53.208	ug/L	97
9) Trichlorofluoromethane	1.76	101	187881	47.477	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88514	44.886	ug/L	98
12) 1,1-Dichloroethene	2.13	96	87171	47.353	ug/L	98
13) Acetone	2.17	43	106648	83.562	ug/L	98
14) Carbon disulfide	2.31	76	313008	46.962	ug/L	100
15) Methyl Acetate	2.44	43	141654	49.797	ug/L	98
16) Methylene chloride	2.52	84	131597	48.716	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	118928	47.383	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	410057	49.305	ug/L	99
19) 1,1-Dichloroethane	3.21	63	231824	49.068	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	139239	50.885	ug/L	99
22) 2-Butanone	3.98	43	186510	94.766	ug/L	100

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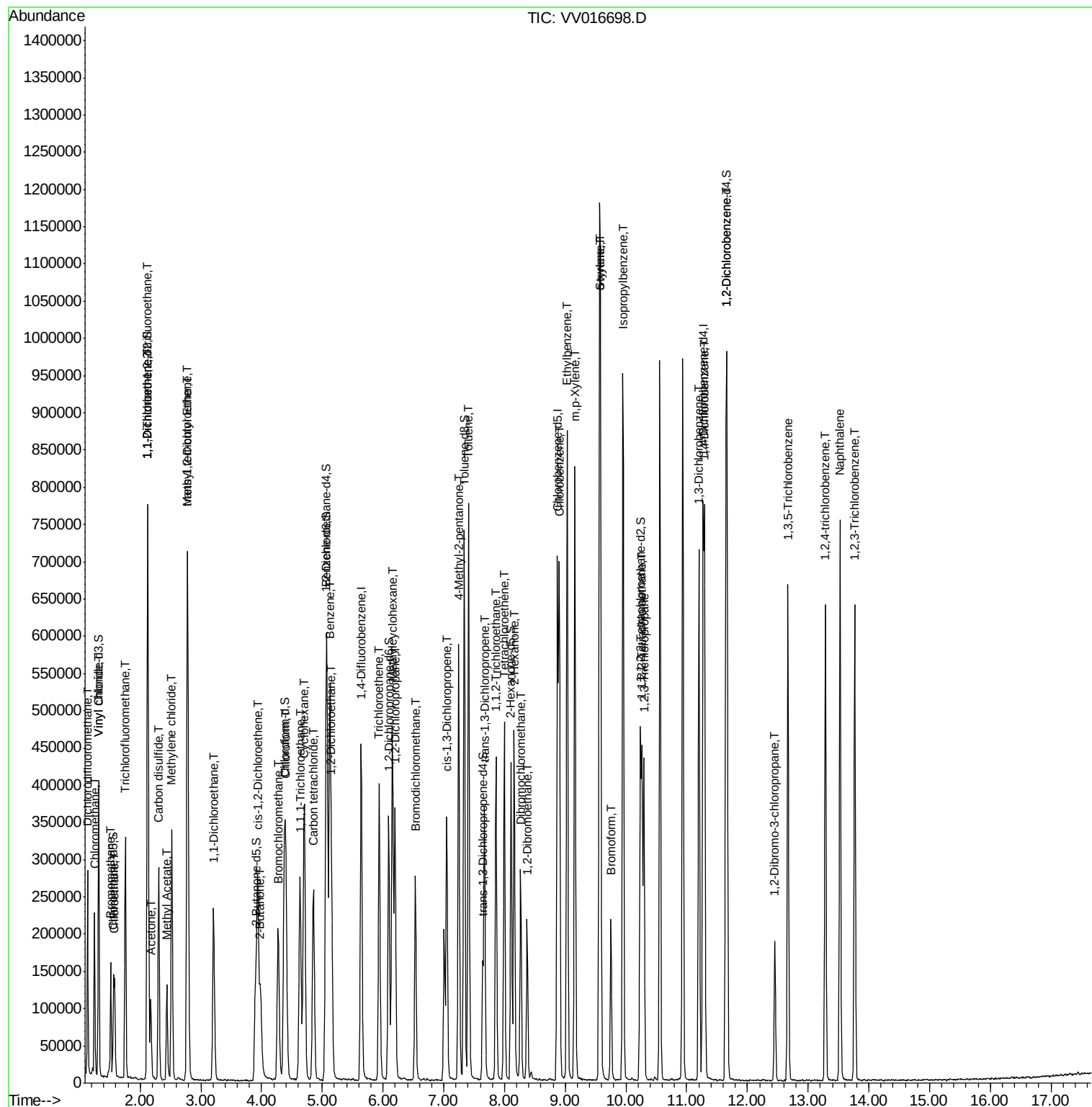
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	69723	48.370	ug/L	97
25) Chloroform	4.40	83	241046	49.645	ug/L	96
27) 1,2-Dichloroethane	5.15	62	201010	49.385	ug/L	99
29) Cyclohexane	4.70	56	203245	46.182	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	219097	48.510	ug/L	98
31) Carbon tetrachloride	4.85	117	188950	48.359	ug/L	98
33) Benzene	5.12	78	503013	48.004	ug/L	100
34) Trichloroethene	5.94	95	131273	46.711	ug/L	98
35) Methylcyclohexane	6.15	83	195379	44.316	ug/L	99
37) 1,2-Dichloropropane	6.20	63	132434	48.599	ug/L	100
38) Bromodichloromethane	6.53	83	178381	49.174	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	196539	46.431	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	383278	99.258	ug/L	100
42) Toluene	7.41	91	533064	48.257	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	189674	46.091	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	125654	47.795	ug/L	99
46) Tetrachloroethene	8.00	164	99812	45.159	ug/L	98
48) 2-Hexanone	8.16	43	293614	98.067	ug/L	98
49) Dibromochloromethane	8.27	129	138621	49.314	ug/L	100
50) 1,2-Dibromoethane	8.37	107	133219	48.388	ug/L	100
51) Chlorobenzene	8.90	112	341327	47.361	ug/L	99
52) Ethylbenzene	9.03	91	588441	48.094	ug/L	98
53) m,p-Xylene	9.16	106	218941	48.060	ug/L	99
54) o-xylene	9.56	106	216424	48.170	ug/L	98
55) Styrene	9.58	104	373845	49.215	ug/L	99
56) Isopropylbenzene	9.95	105	584446	48.411	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	195140	48.411	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	164350	48.610	ug/L	99
61) Bromoform	9.75	173	92912	51.386	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	269382	48.382	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	272307	48.068	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	278205	49.860	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	43701	49.810	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	195492	47.086	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	183018	48.059	ug/L	98
69) Naphthalene	13.53	128	560671	51.183	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	182292	48.922	ug/L	99

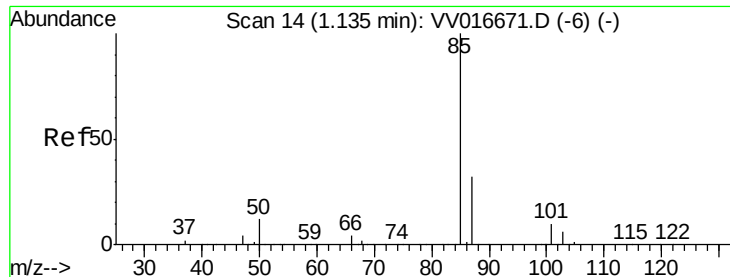
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.793 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

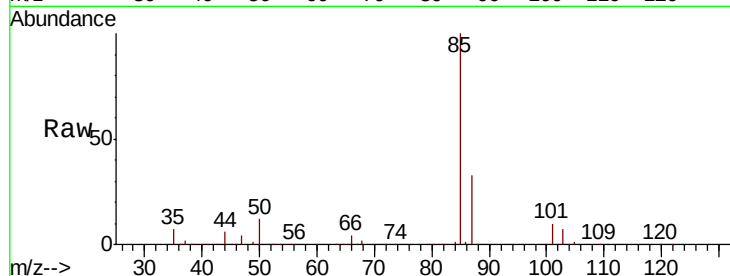
VSTD05075

Tot Ion: 85 Resp: 137596

Ion Ratio Lower Upper

85 100

87 32.5 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016671.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV016671.D (-6) (-)

1.14

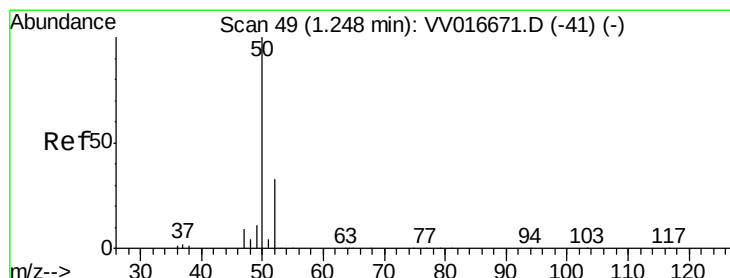
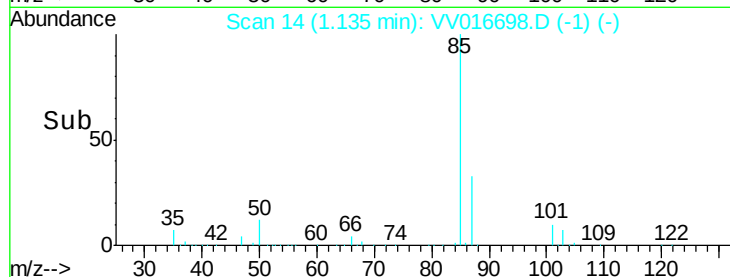
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.186 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016698.D

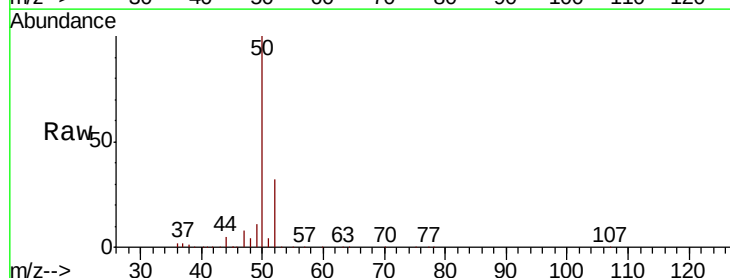
Acq: 09 Jun 2020 07:15

Tgt Ion: 50 Resp: 132268

Ion Ratio Lower Upper

50 100

52 31.9 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016671.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV016671.D (-41) (-)

1.25

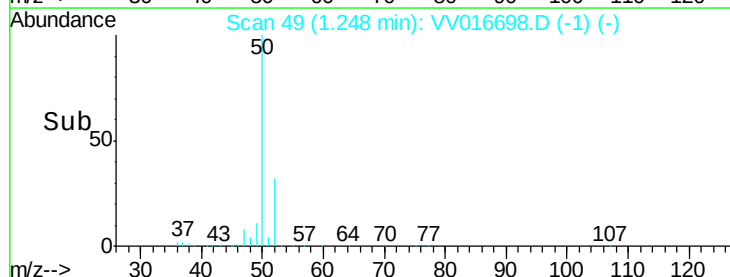
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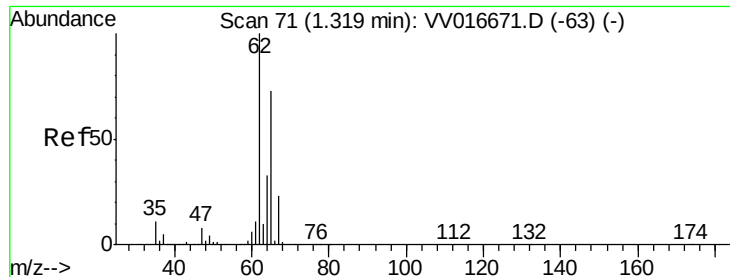
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.320 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

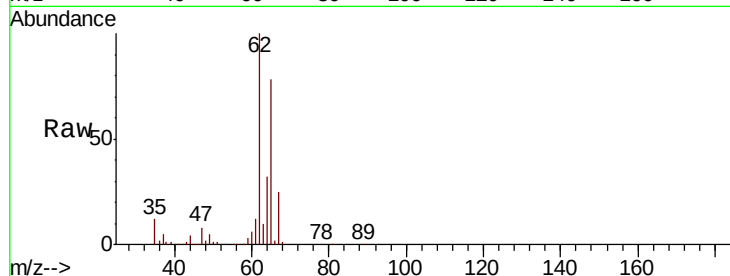
VSTD05075

Tot Ion: 62 Resp: 130424

Ion Ratio Lower Upper

62 100

64 32.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

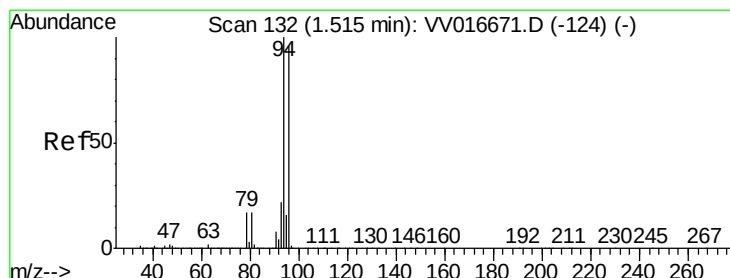
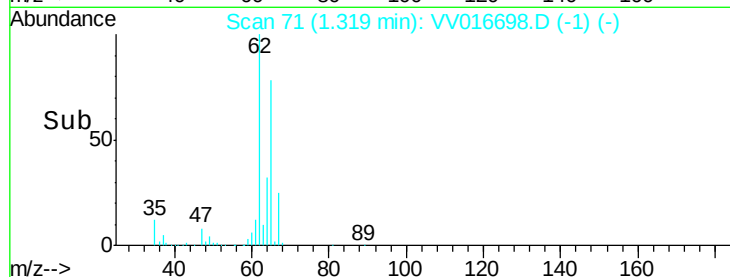
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 40.731 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV016698.D

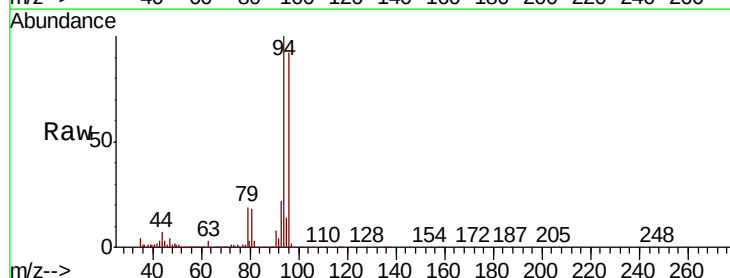
Acq: 09 Jun 2020 07:15

Tgt Ion: 94 Resp: 44860

Ion Ratio Lower Upper

94 100

96 92.0 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

50000

40000

30000

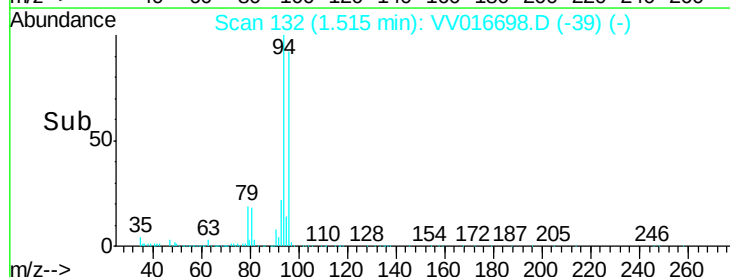
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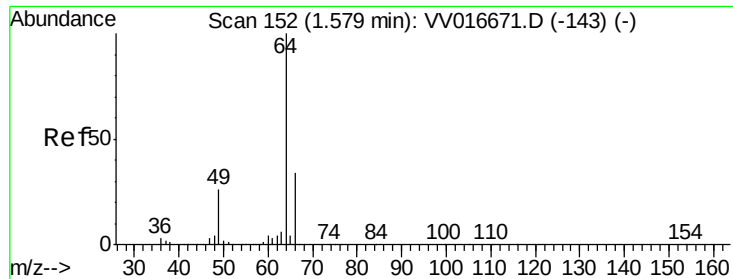
10000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 53.208 ug/L

RT: 1.58 min Scan# 153

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

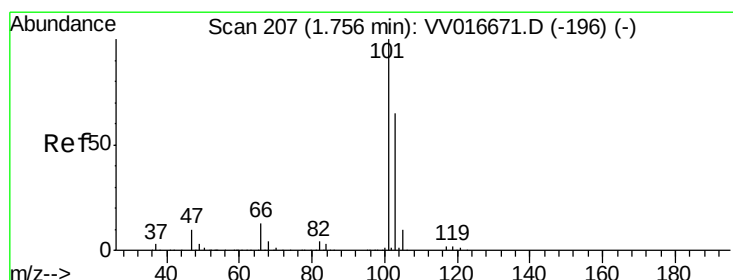
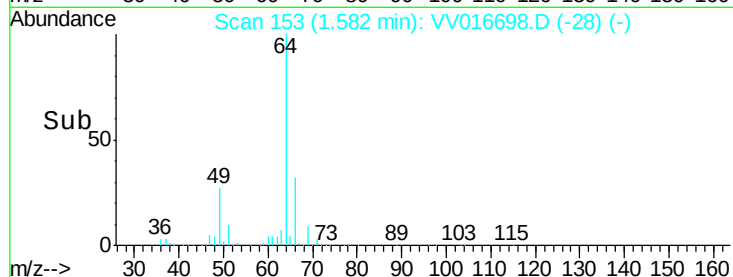
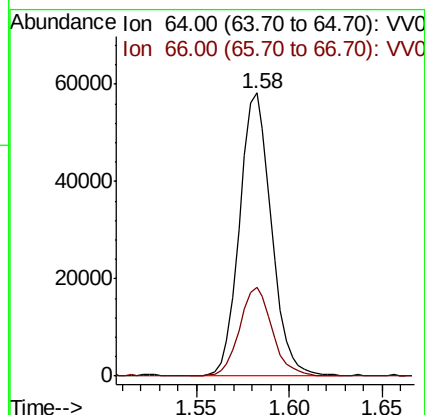
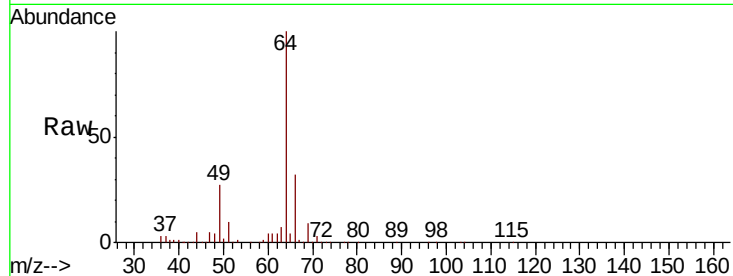
VSTD05075

Tot Ion: 64 Resp: 69503

Ion Ratio Lower Upper

64 100

66 31.6 23.2 43.0



#9

Trichlorofluoromethane

Concen: 47.477 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV016698.D

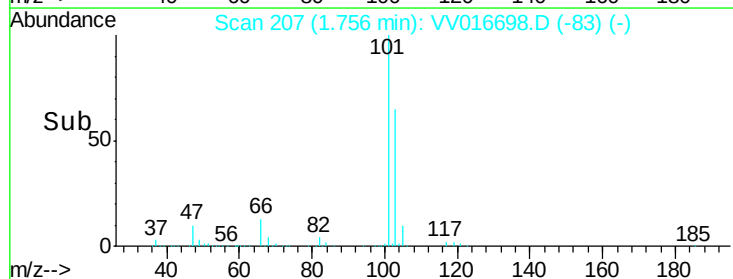
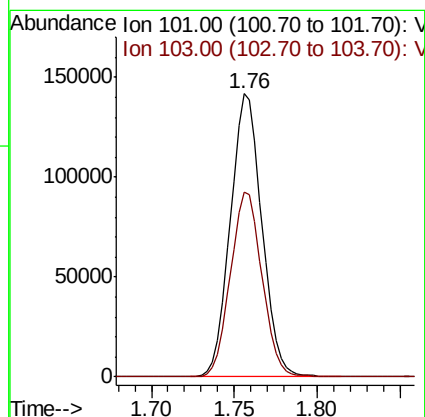
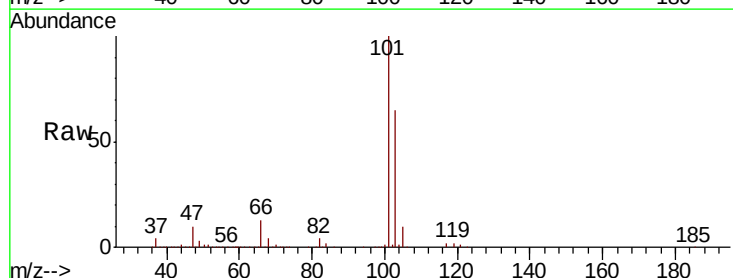
Acq: 09 Jun 2020 07:15

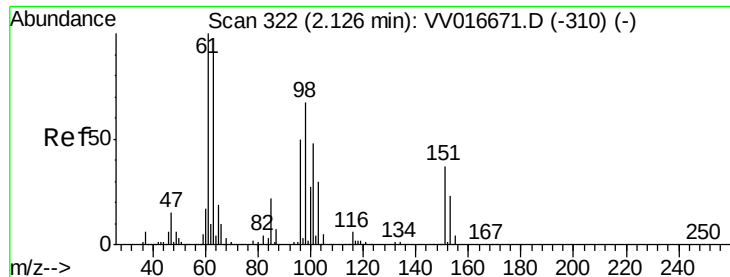
Tgt Ion: 101 Resp: 187881

Ion Ratio Lower Upper

101 100

103 65.5 51.3 76.9





#10

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

Concen: 44.886 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

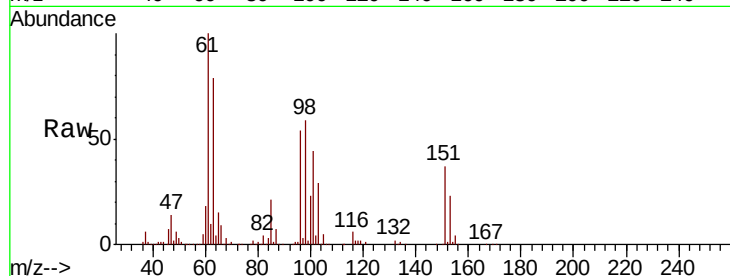
Tot Ion:101 Resp: 88514

Ion Ratio Lower Upper

101 100

85 46.3 35.5 53.3

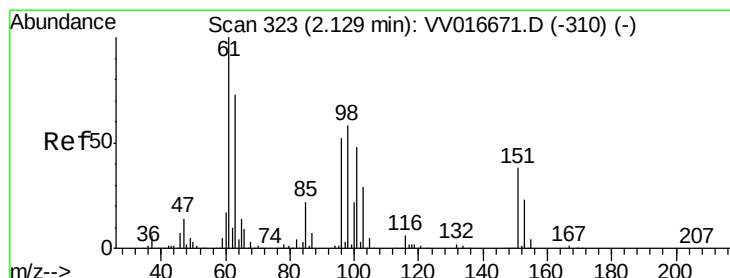
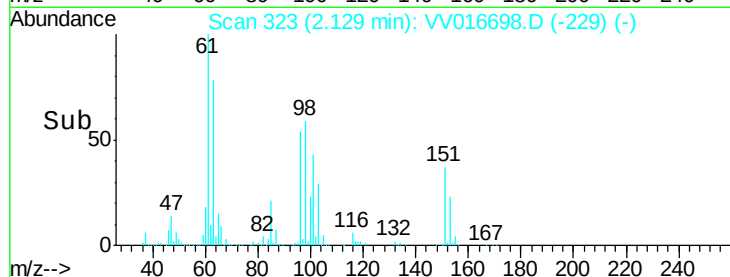
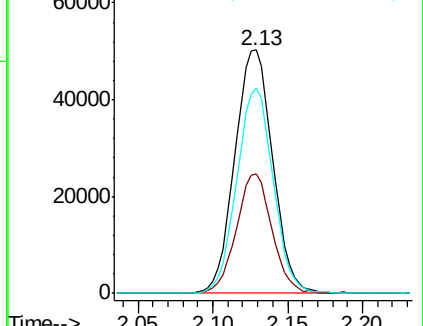
151 81.5 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.353 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

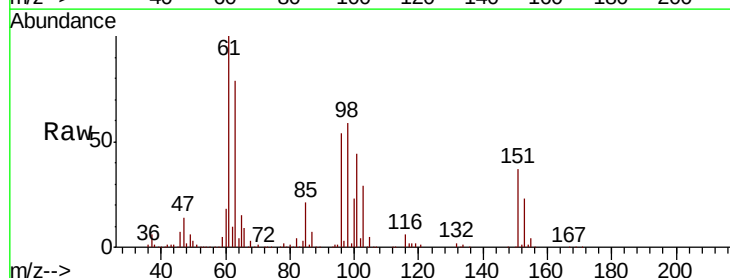
Tgt Ion: 96 Resp: 87171

Ion Ratio Lower Upper

96 100

61 184.3 130.4 242.2

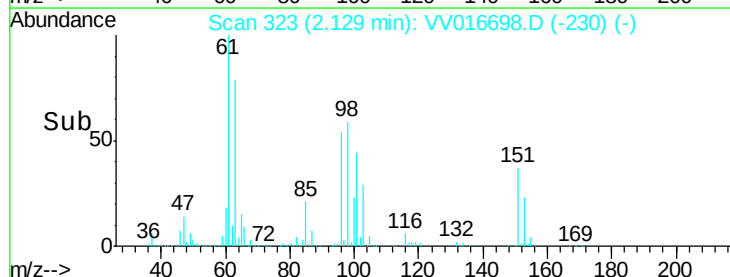
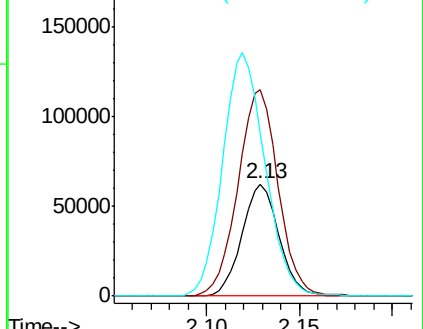
63 144.8 103.3 191.9

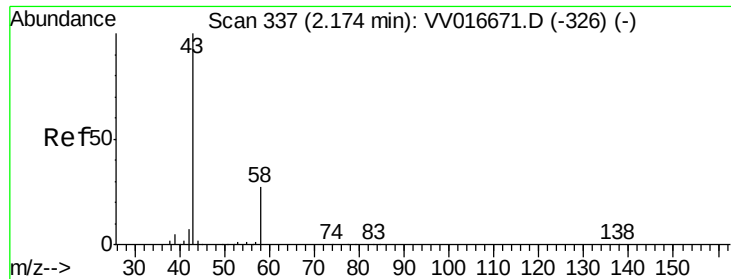


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 83.562 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

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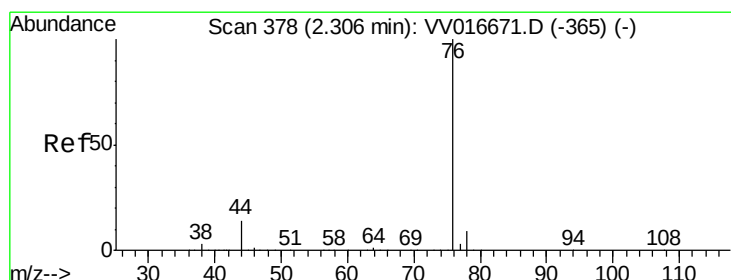
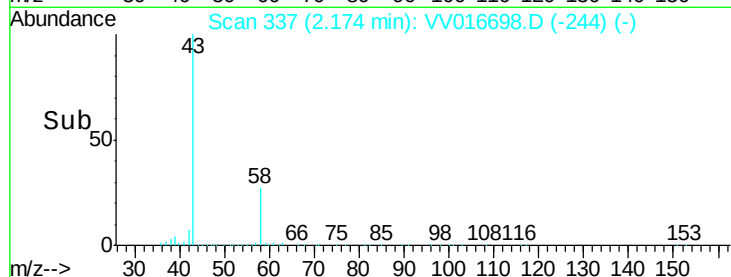
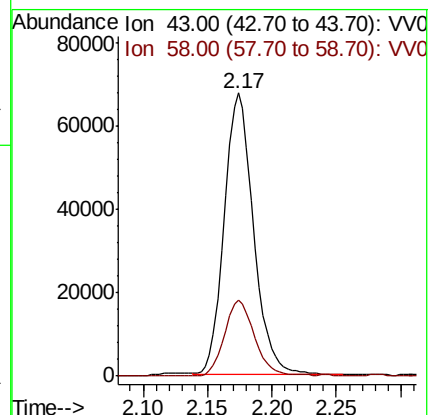
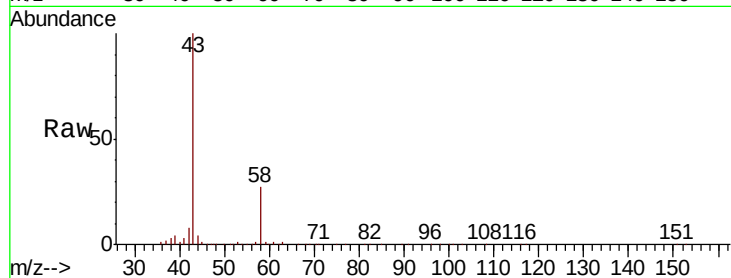
VSTD05075

Tot Ion: 43 Resp: 106648

Ion Ratio Lower Upper

43 100

58 26.6 0.0 55.2



#14

Carbon disulfide

Concen: 46.962 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016698.D

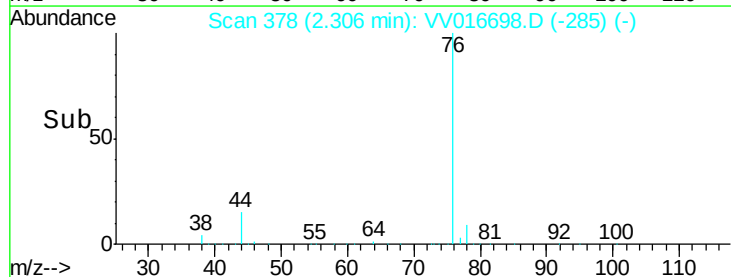
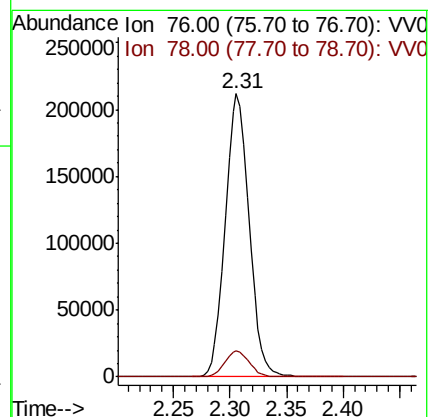
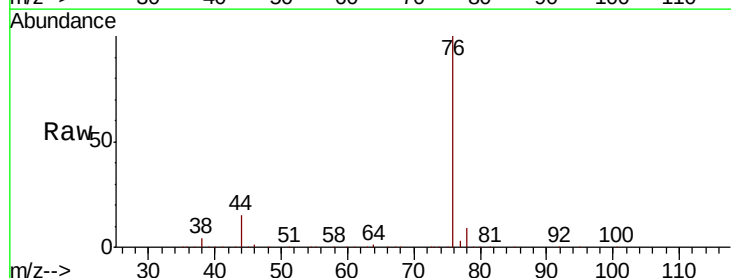
Acq: 09 Jun 2020 07:15

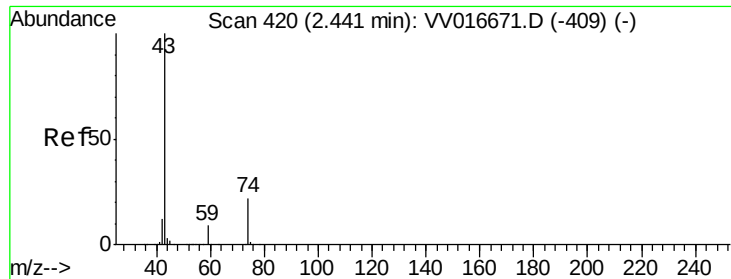
Tgt Ion: 76 Resp: 313008

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

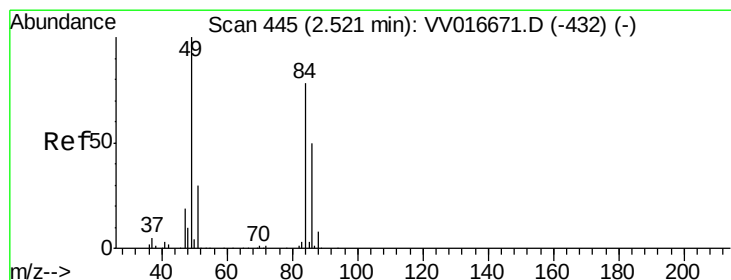
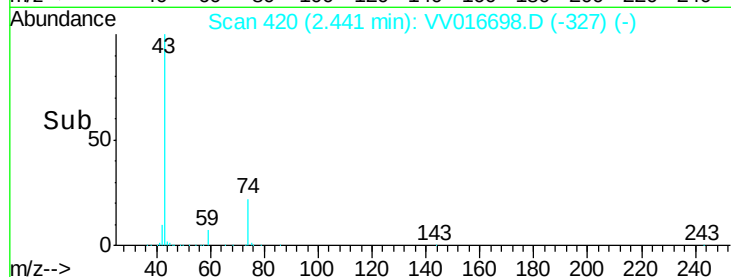
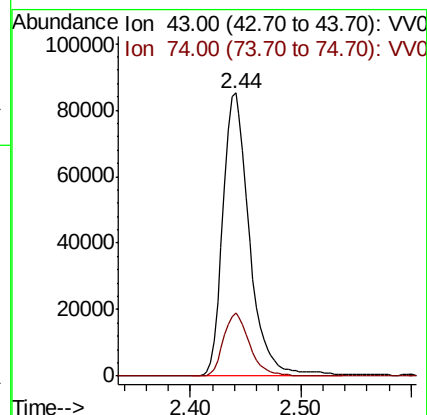
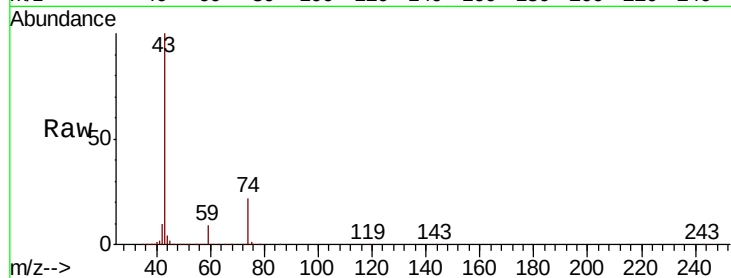




#15
Methvl Acetate
Concen: 49.797 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV016698.D
Acq: 09 Jun 2020 07:15

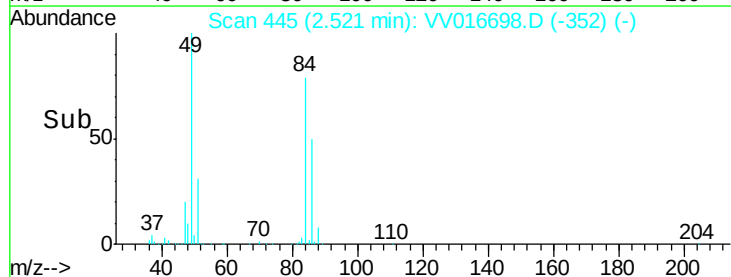
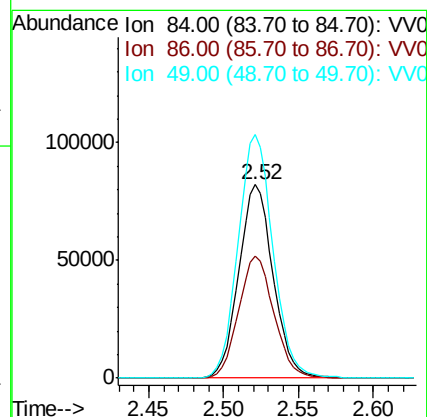
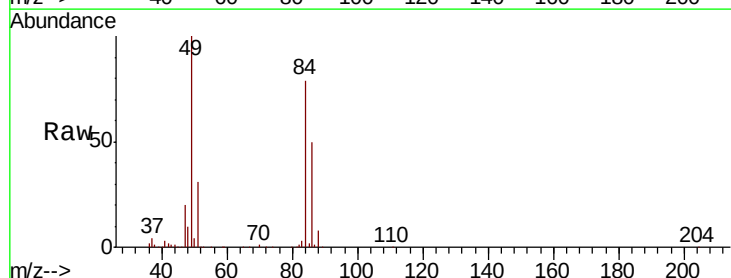
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

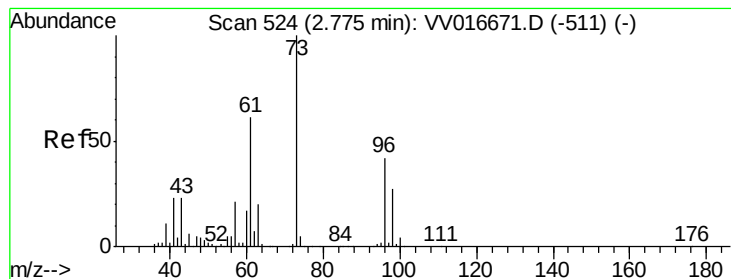
Tot Ion: 43 Resp: 141654
Ion Ratio Lower Upper
43 100
74 21.6 17.9 26.9



#16
Methylene chloride
Concen: 48.716 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016698.D
Acq: 09 Jun 2020 07:15

Tgt Ion: 84 Resp: 131597
Ion Ratio Lower Upper
84 100
86 63.2 44.0 81.8
49 125.8 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 47.383 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

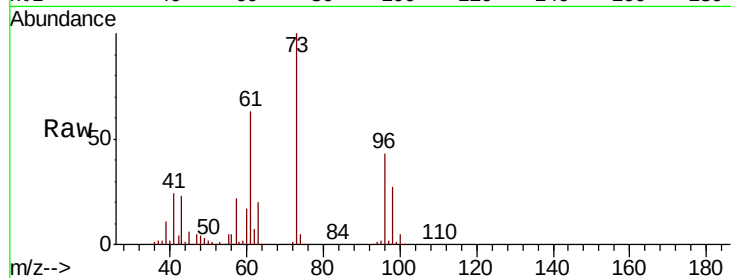
Tot Ion: 96 Resp: 118928

Ion Ratio Lower Upper

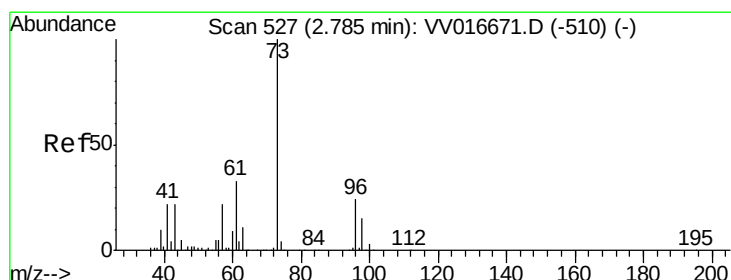
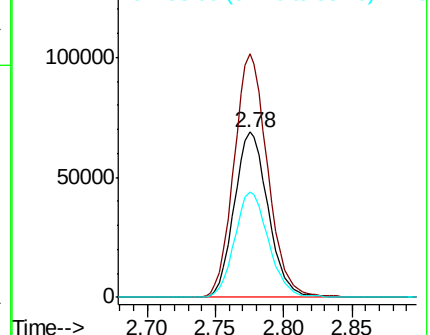
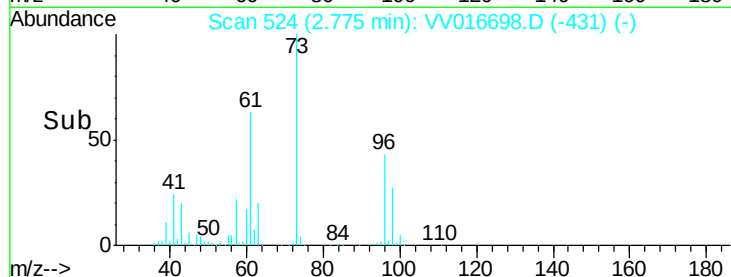
96 100

61 147.2 102.9 191.1

98 64.1 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016698.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 49.305 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

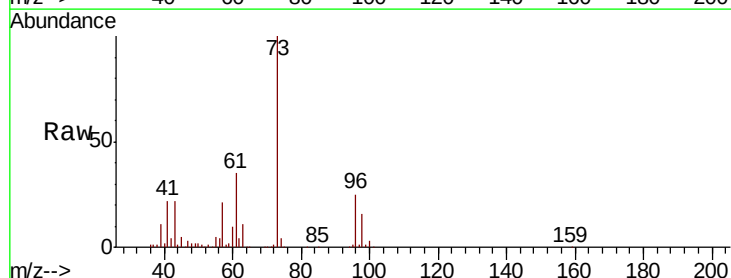
Tgt Ion: 73 Resp: 410057

Ion Ratio Lower Upper

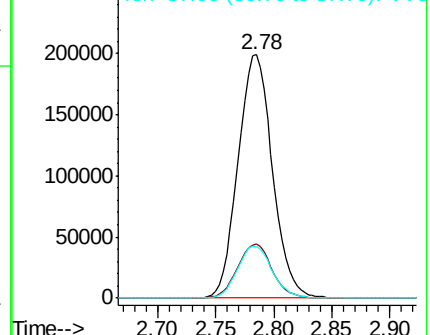
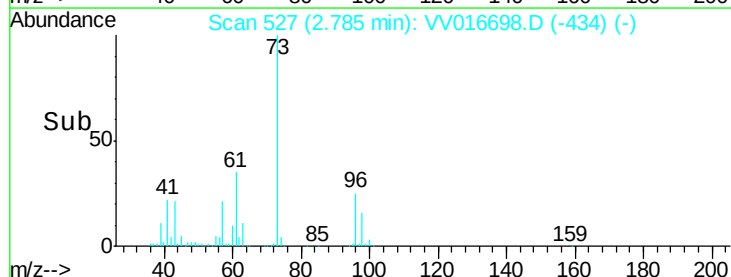
73 100

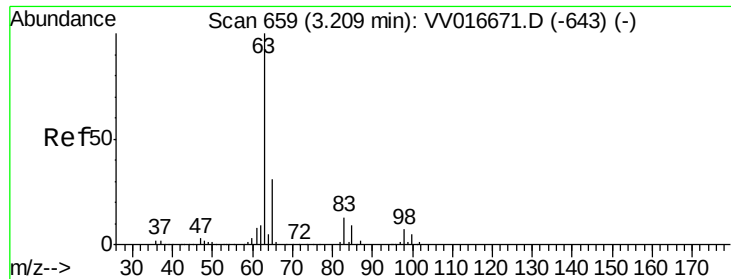
43 22.0 17.8 26.6

57 21.5 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VV016698.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 49.068 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

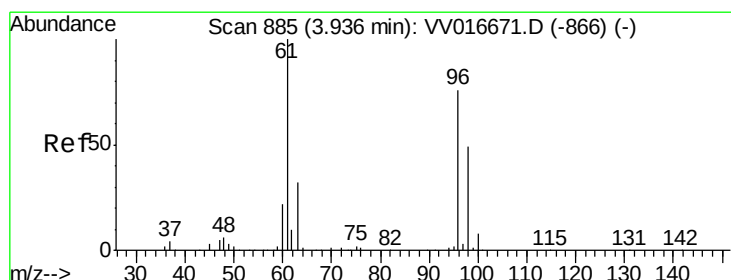
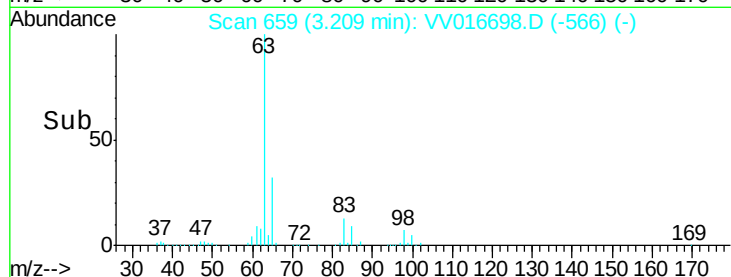
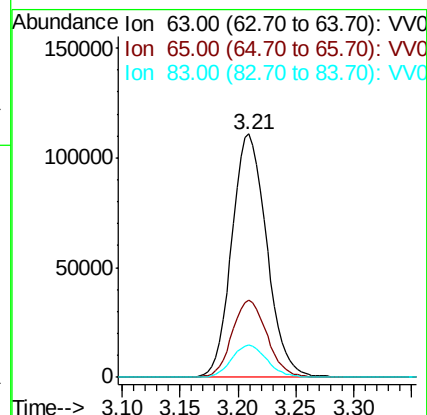
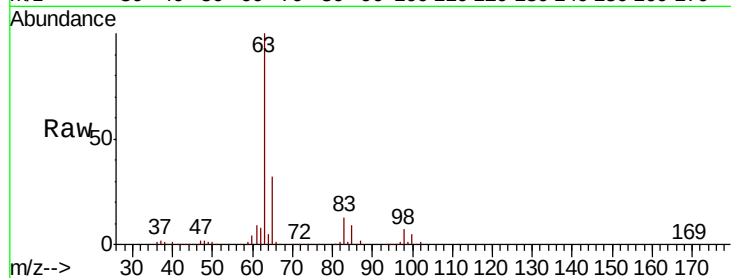
Tot Ion: 63 Resp: 231824

Ion Ratio Lower Upper

63 100

65 31.7 23.2 43.0

83 13.3 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 50.885 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

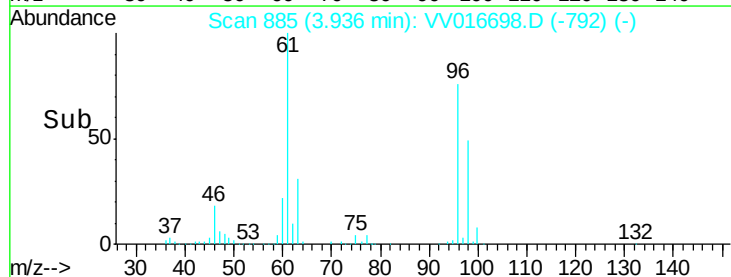
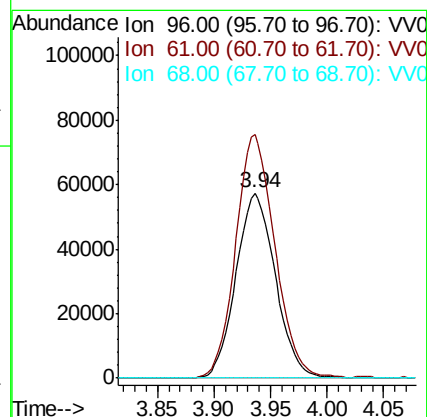
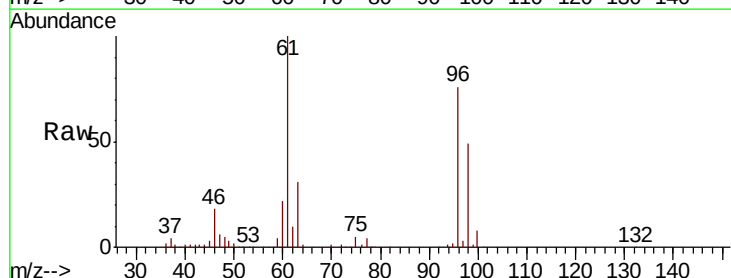
Tgt Ion: 96 Resp: 139239

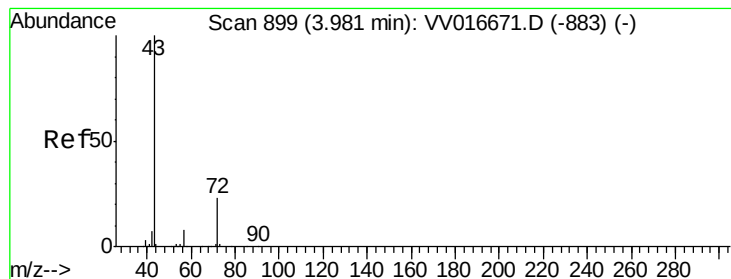
Ion Ratio Lower Upper

96 100

61 131.8 93.4 173.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.766 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

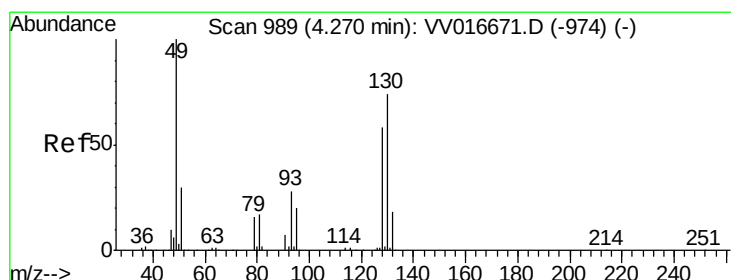
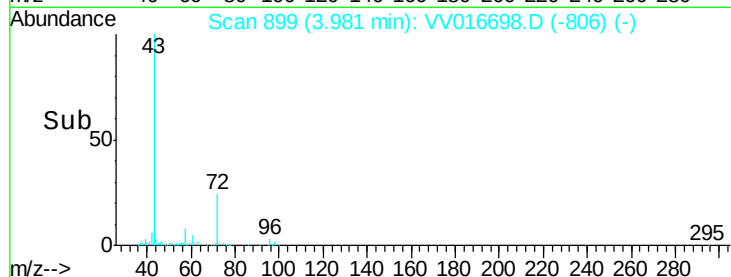
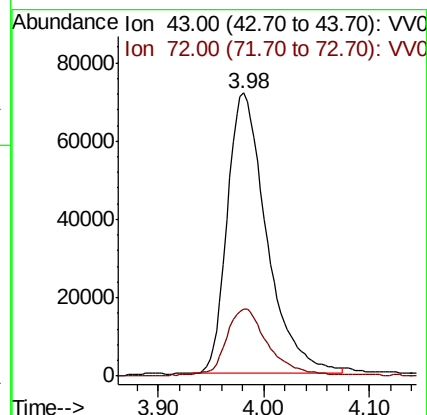
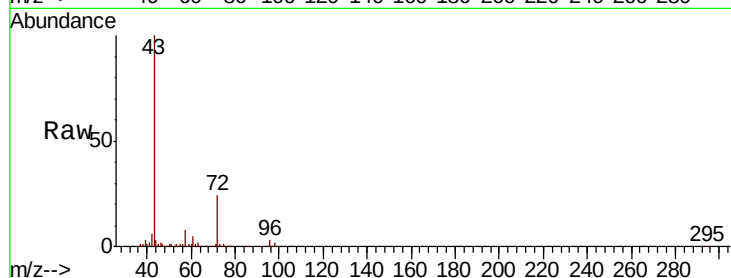
VSTD05075

Tot Ion: 43 Resp: 186510

Ion Ratio Lower Upper

43 100

72 24.9 12.4 37.4



#23

Bromochloromethane

Concen: 48.370 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Tgt Ion: 128 Resp: 69723

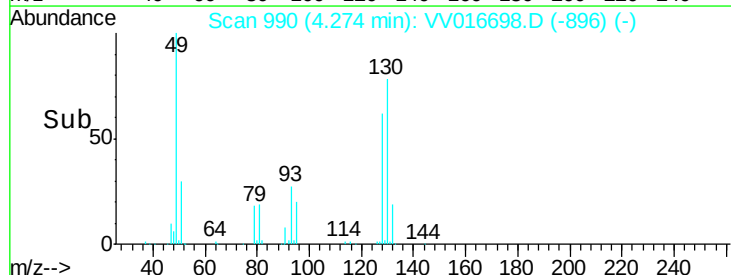
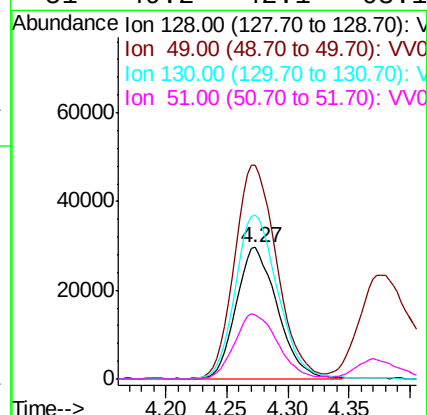
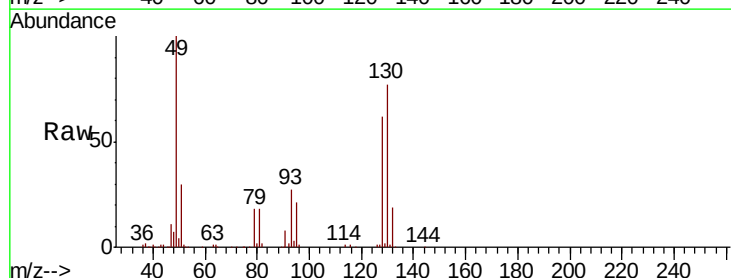
Ion Ratio Lower Upper

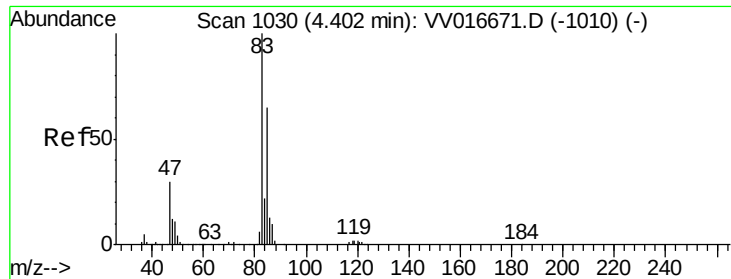
128 100

49 162.3 111.9 207.9

130 125.1 91.5 169.9

51 49.2 42.1 63.1





#25

Chloroform

Concen: 49.645 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

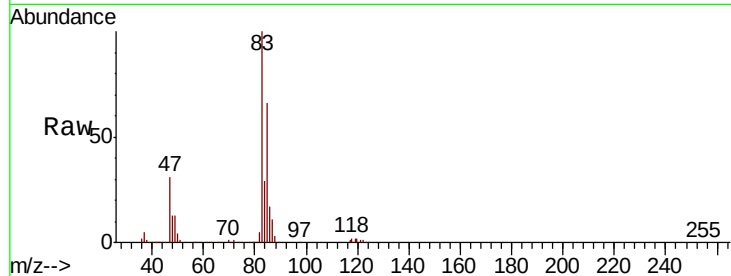
VSTD05075

Tot Ion: 83 Resp: 241046

Ion Ratio Lower Upper

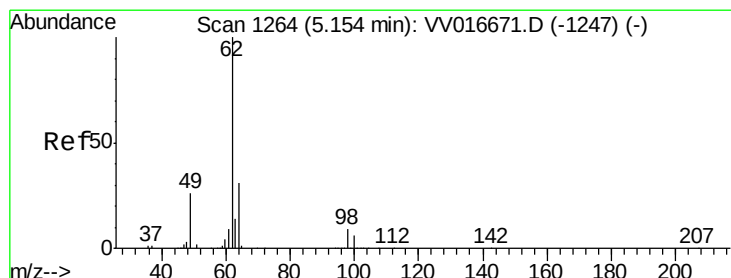
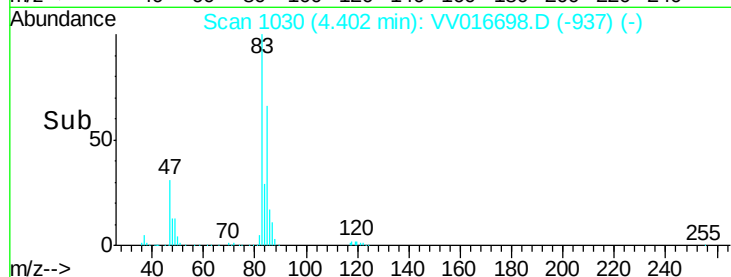
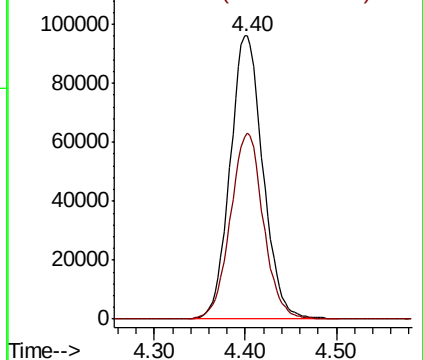
83 100

85 65.9 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 49.385 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016698.D

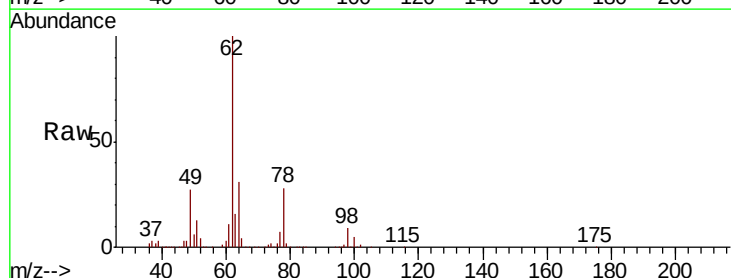
Acq: 09 Jun 2020 07:15

Tgt Ion: 62 Resp: 201010

Ion Ratio Lower Upper

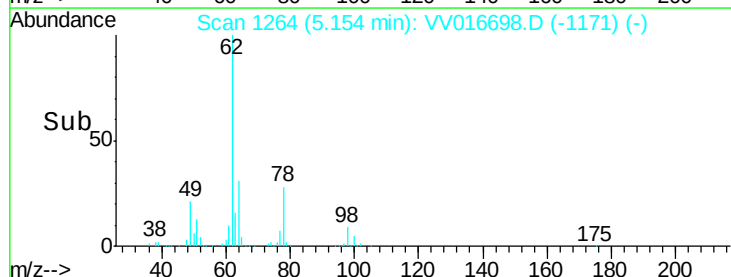
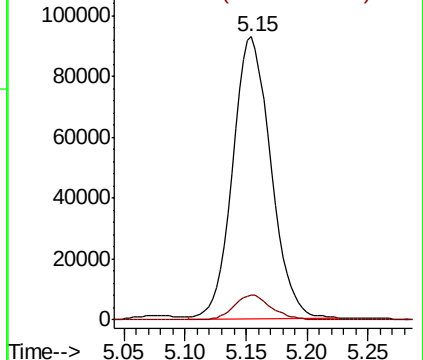
62 100

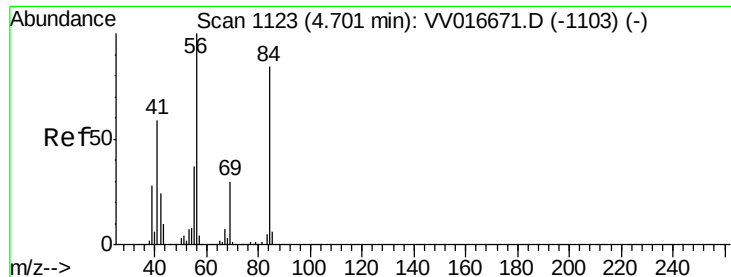
98 8.8 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

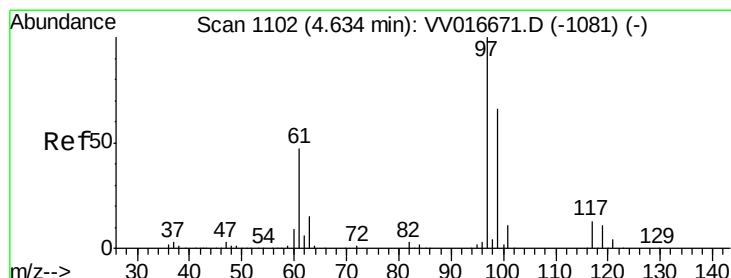
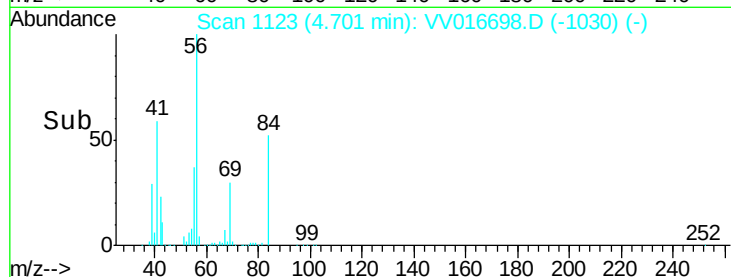
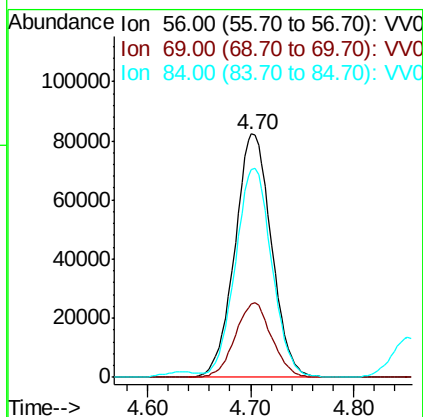
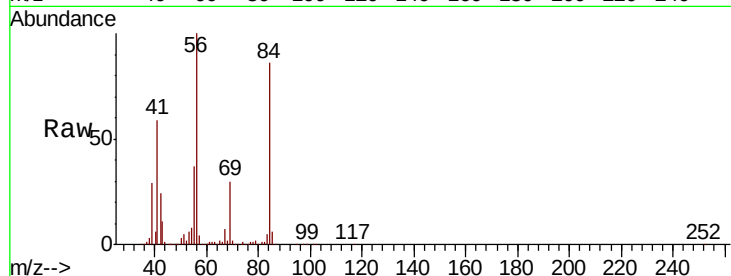




#29
Cyclohexane
Concen: 46.182 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016698.D
Acq: 09 Jun 2020 07:15

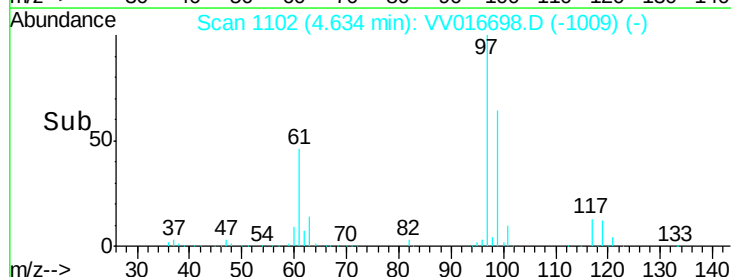
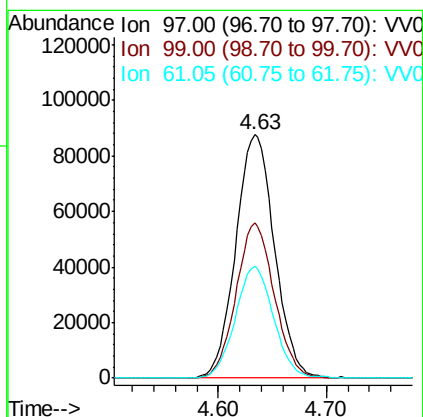
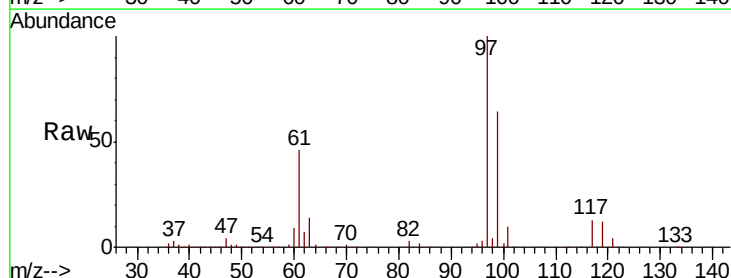
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

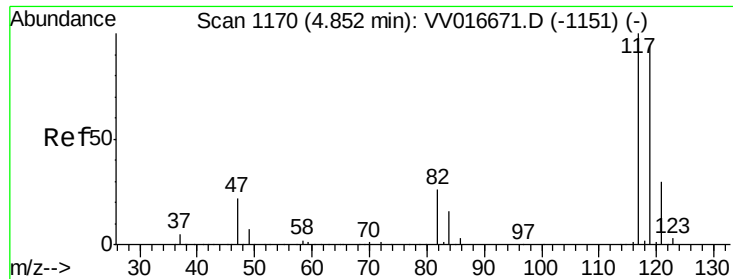
Tot Ion: 56 Resp: 203245
Ion Ratio Lower Upper
56 100
69 30.6 25.0 37.4
84 85.6 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 48.510 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016698.D
Acq: 09 Jun 2020 07:15

Tgt Ion: 97 Resp: 219097
Ion Ratio Lower Upper
97 100
99 62.9 51.3 76.9
61 44.8 36.7 55.1





#31

Carbon tetrachloride

Concen: 48.359 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

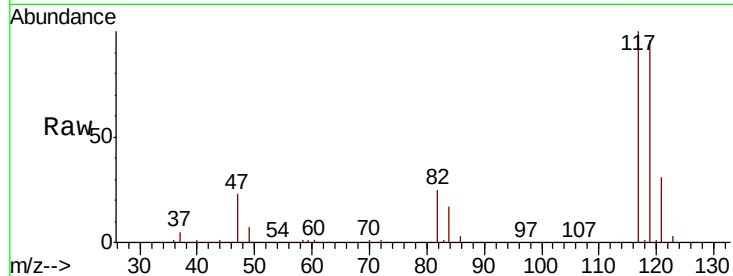
VSTD05075

Tot Ion:117 Resp: 188950

Ion Ratio Lower Upper

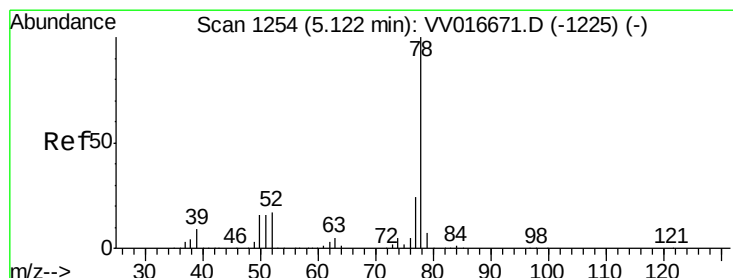
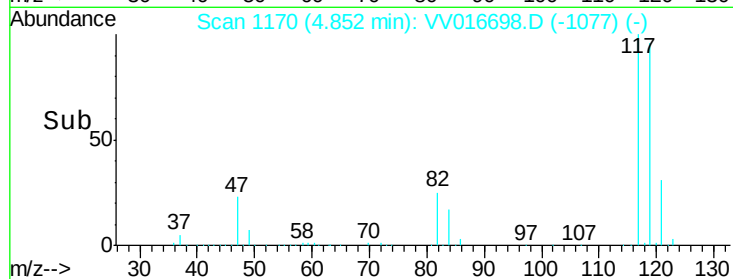
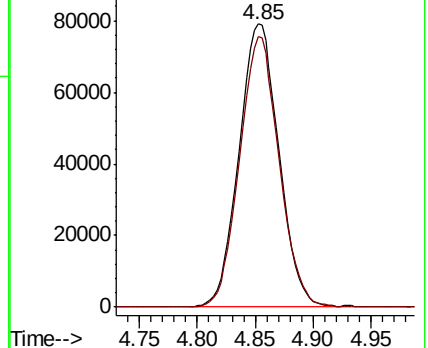
117 100

119 94.5 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.004 ug/L

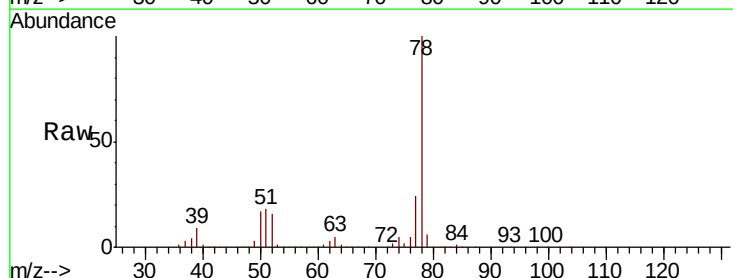
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

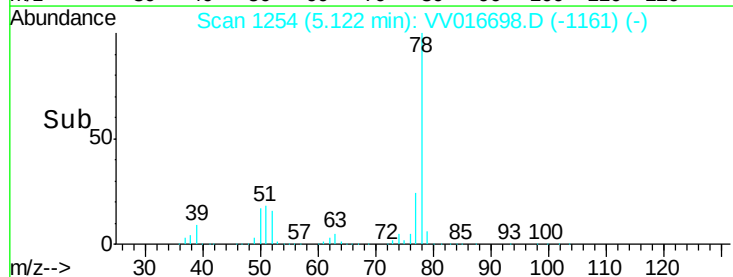
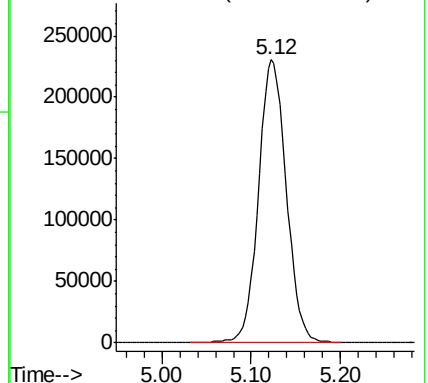
Lab File: VV016698.D

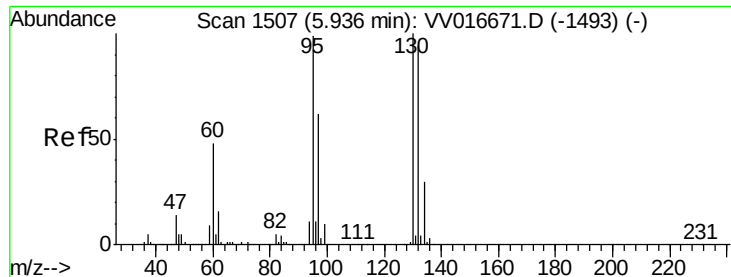
Acq: 09 Jun 2020 07:15

Tgt Ion: 78 Resp: 503013



Abundance Ion 78.00 (77.70 to 78.70): VV0

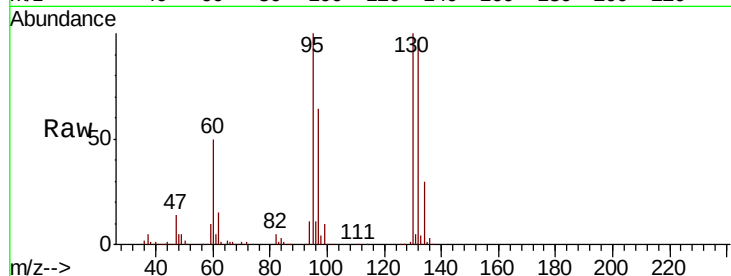




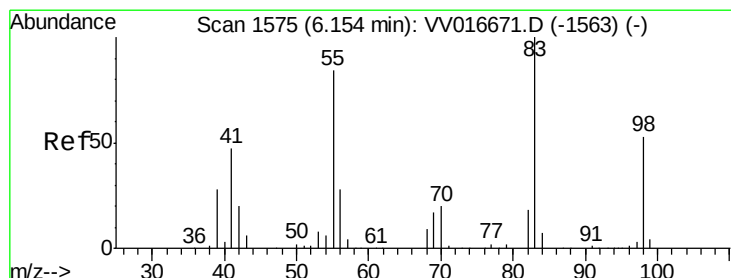
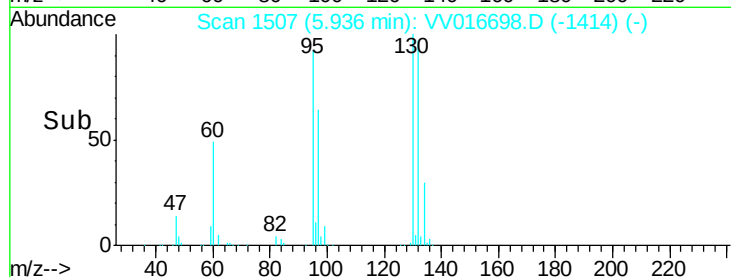
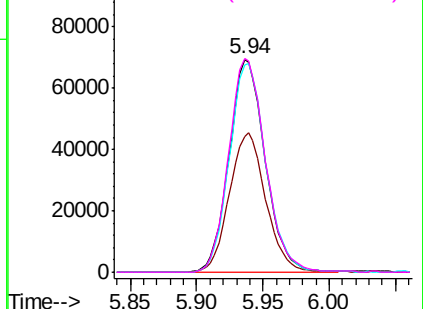
#34
 Trichloroethene
 Concen: 46.711 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05075

Tot Ion: 95 Resp: 131273
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.3 82.3
 132 97.6 67.9 126.1
 130 100.5 72.2 134.2

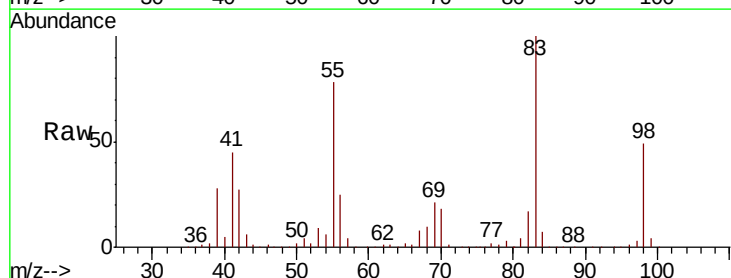


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

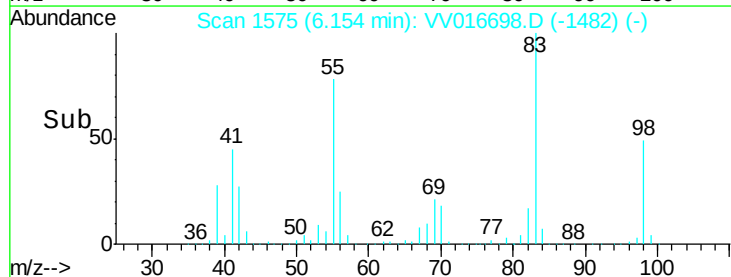
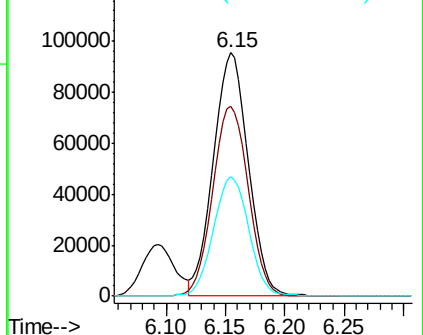


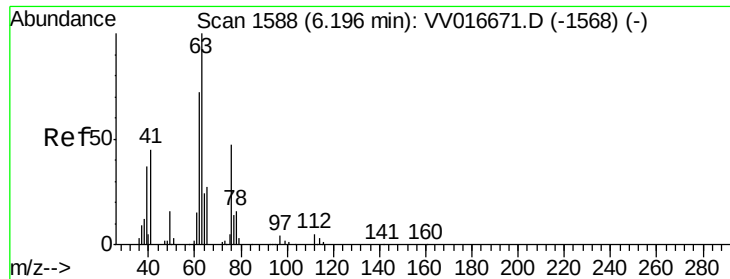
#35
 Methylcyclohexane
 Concen: 44.316 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

Tgt Ion: 83 Resp: 195379
 Ion Ratio Lower Upper
 83 100
 55 79.1 64.2 96.2
 98 49.6 40.3 60.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

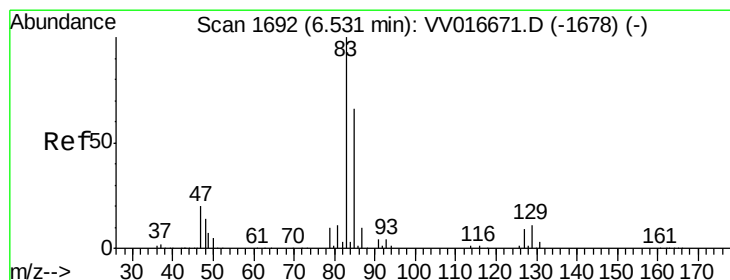
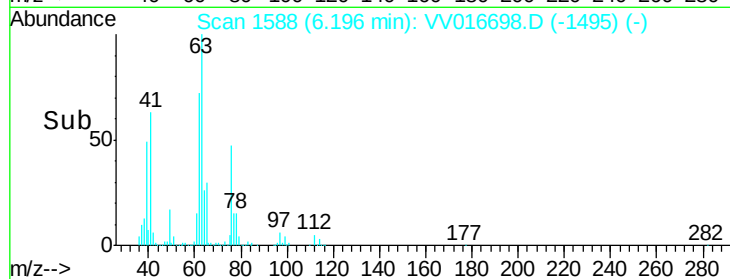
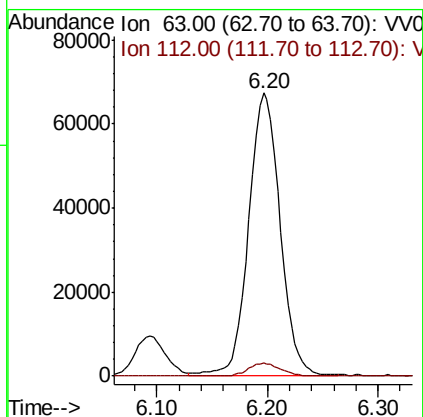
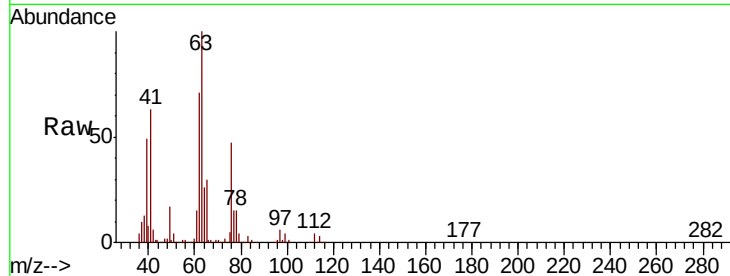




#37
 1,2-Dichloropropane
 Concen: 48.599 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

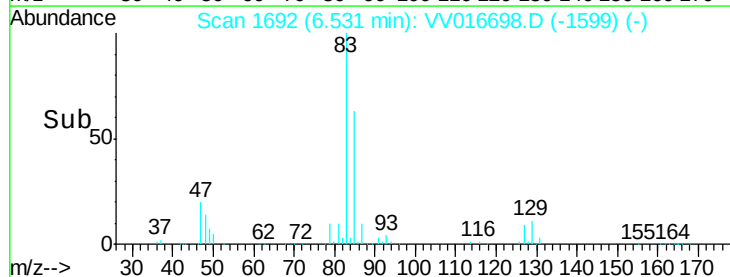
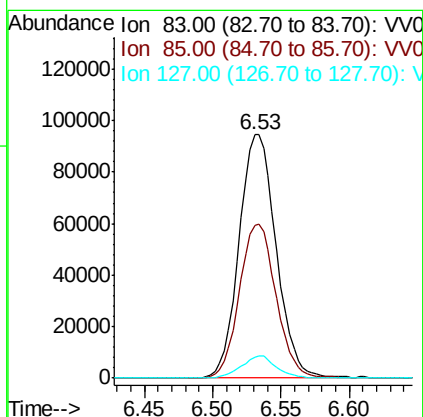
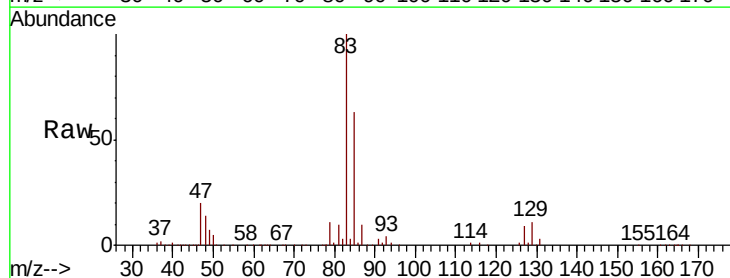
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

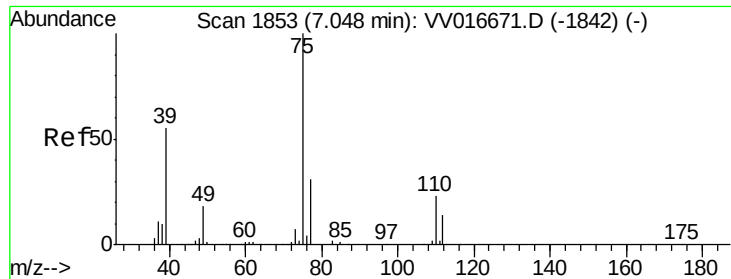
Tot Ion: 63 Resp: 132434
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 49.174 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

Tgt Ion: 83 Resp: 178381
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.4 82.5
 127 8.7 7.4 11.0

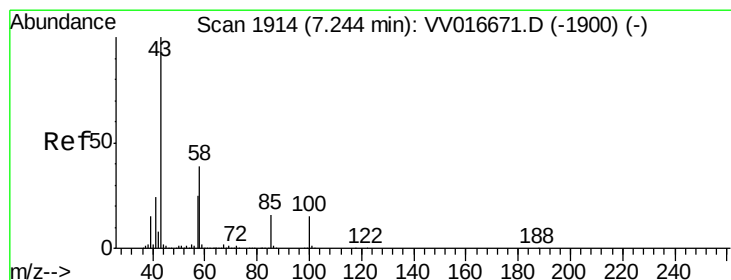
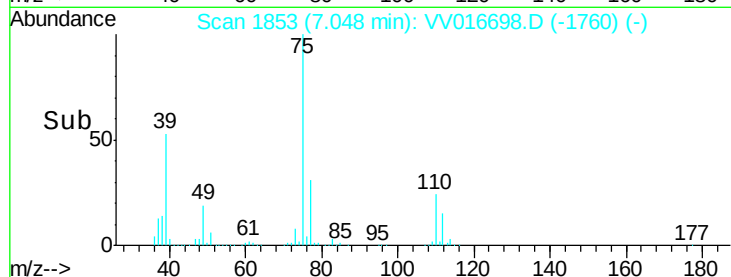
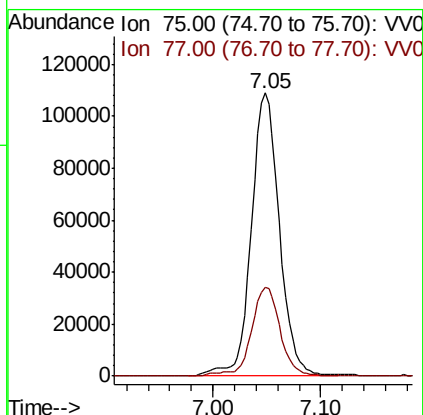
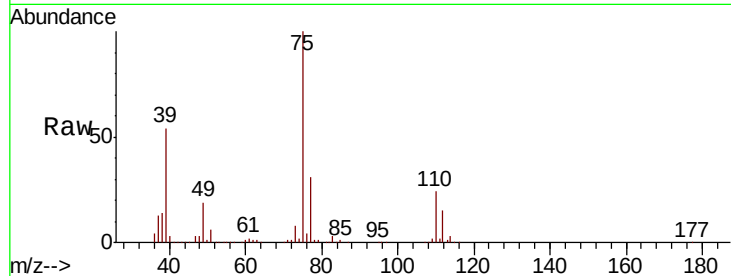




#39
 cis-1,3-Dichloropropene
 Concen: 46.431 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

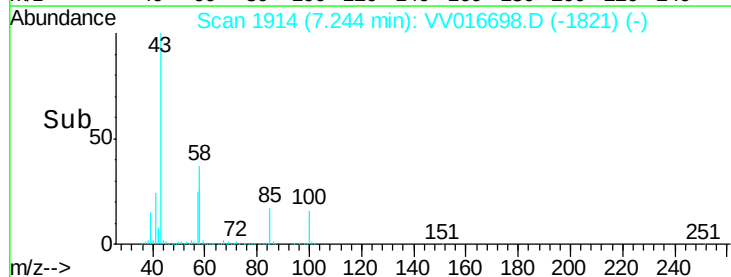
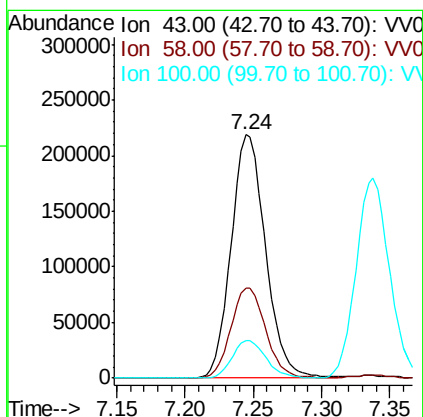
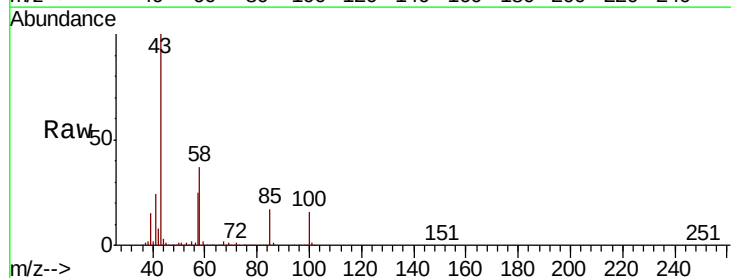
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

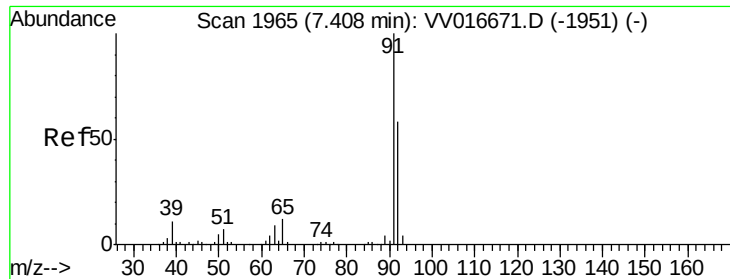
Tot Ion: 75 Resp: 196539
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 99.258 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

Tgt Ion: 43 Resp: 383278
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.2 45.4
 100 15.3 12.3 18.5





#42

Toluene

Concen: 48.257 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

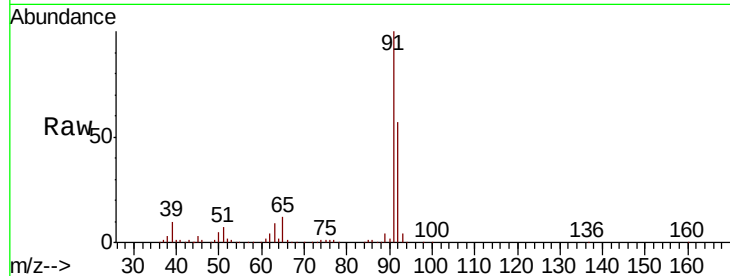
VSTD05075

Tot Ion: 91 Resp: 533064

Ion Ratio Lower Upper

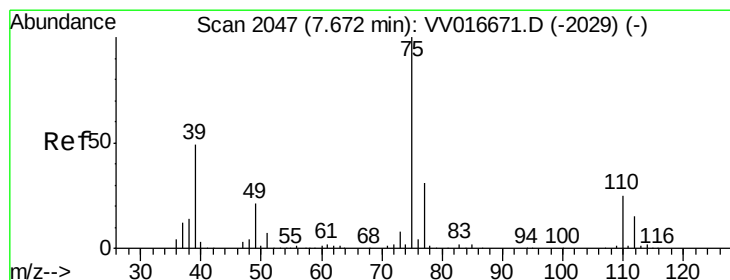
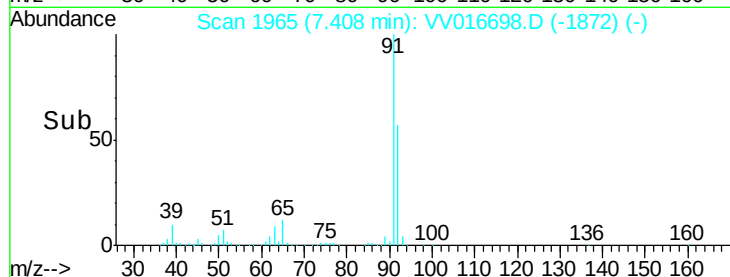
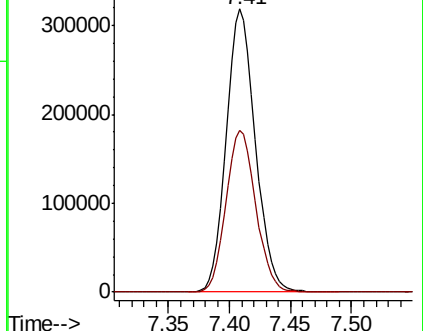
91 100

92 57.4 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 46.091 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016698.D

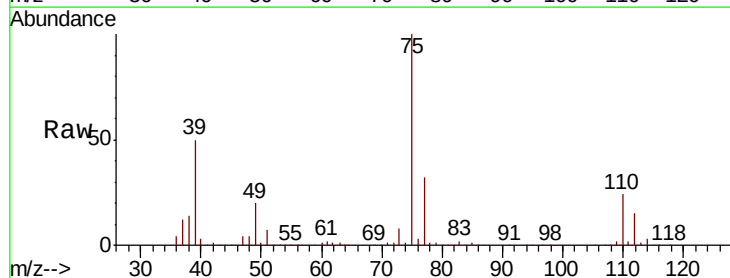
Acq: 09 Jun 2020 07:15

Tgt Ion: 75 Resp: 189674

Ion Ratio Lower Upper

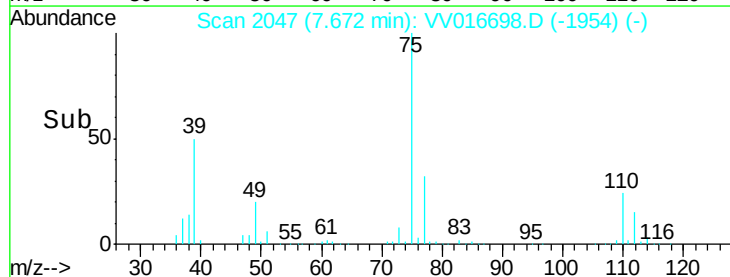
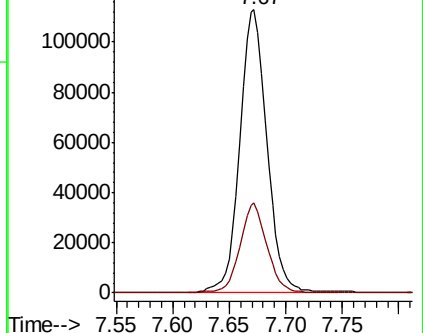
75 100

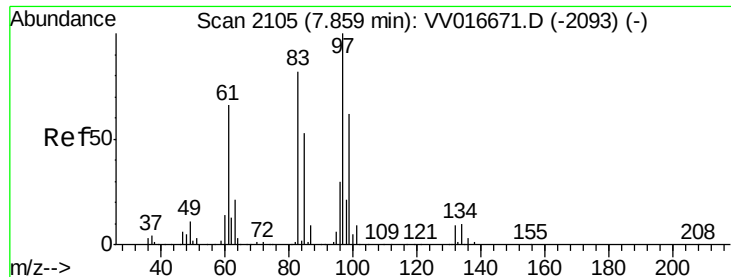
77 31.7 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

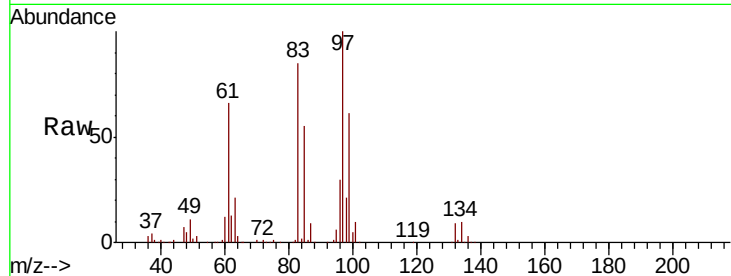




#45
 1,1,2-Trichloroethane
 Concen: 47.795 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

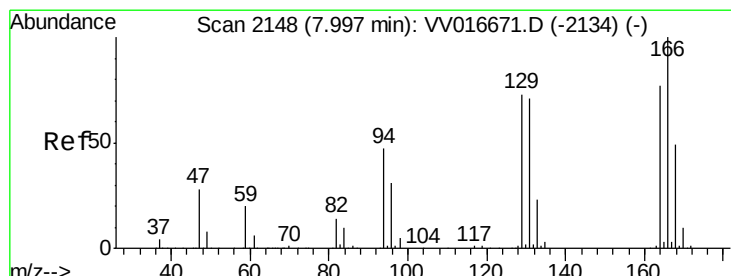
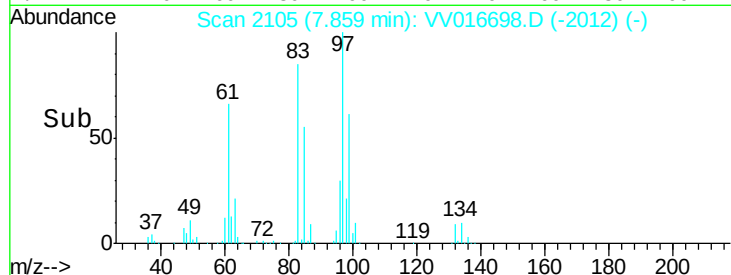
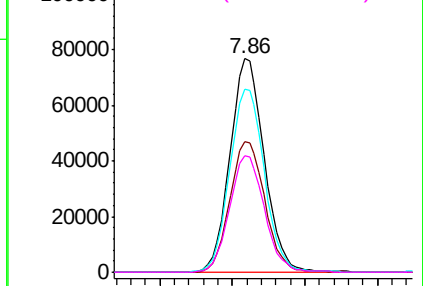
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tot Ion:	97	Resp:	125654
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.3	82.3
83	85.5	60.0	111.4
85	54.8	39.5	73.3



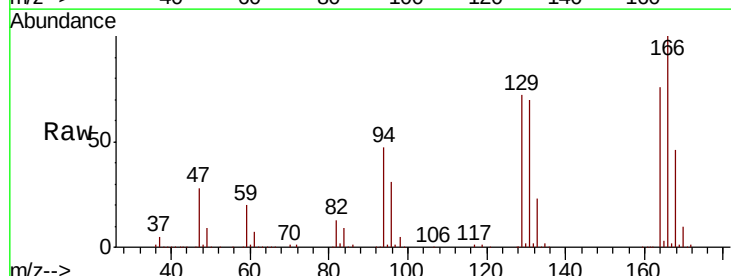
Abundance

Ion 97.00 (96.70 to 97.70): VV016698.D (-2012) (-)



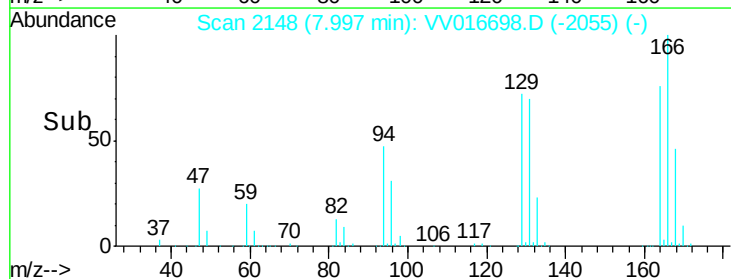
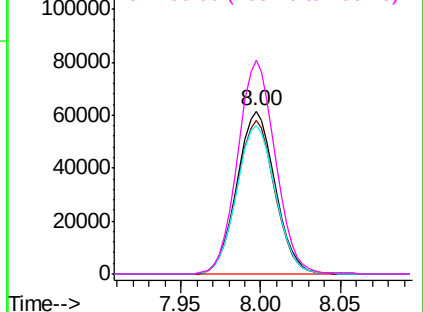
#46
 Tetrachloroethene
 Concen: 45.159 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

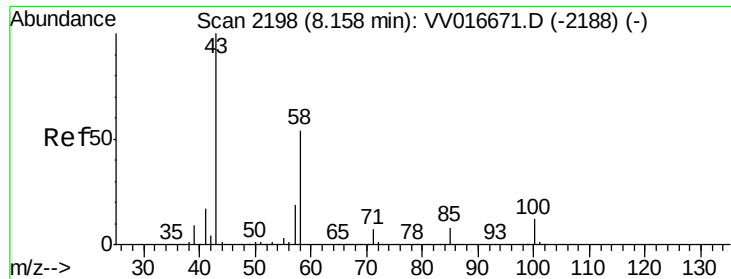
Tgt Ion:	164	Resp:	99812
Ion	Ratio	Lower	Upper
164	100		
129	94.1	67.0	124.4
131	91.4	64.8	120.3
166	131.2	90.4	167.8



Abundance

Ion 164.00 (163.70 to 164.70): VV016698.D (-2055) (-)

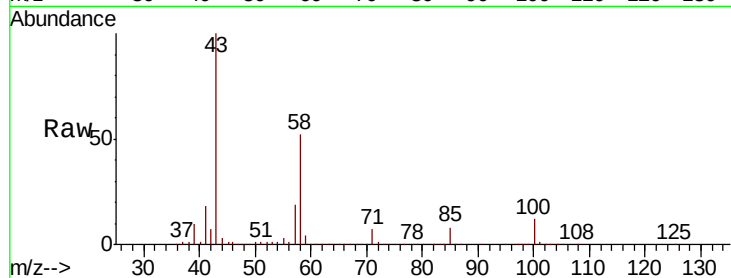




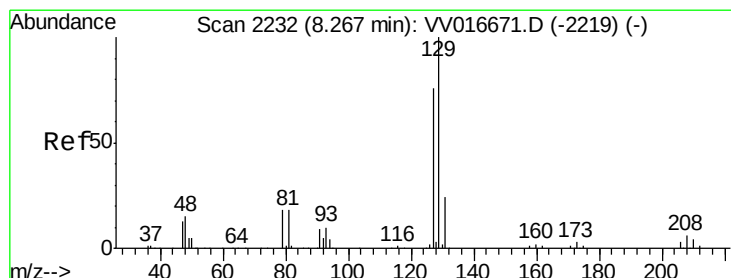
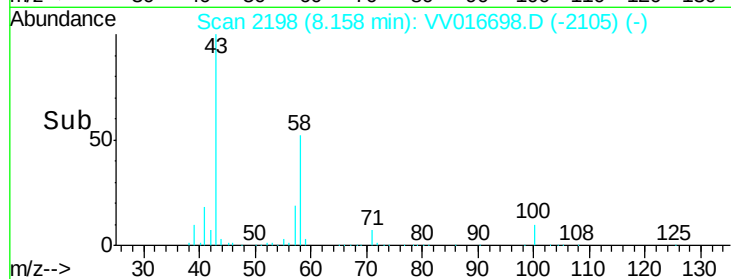
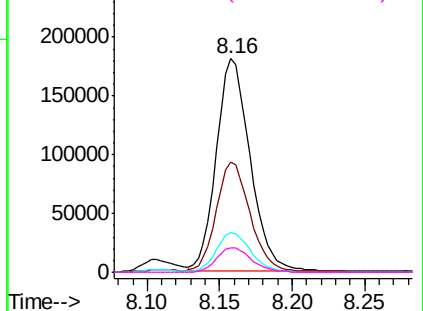
#48
2-Hexanone
Concen: 98.067 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016698.D
Acq: 09 Jun 2020 07:15

Instrument :
MSVOA_V
ClientSampled :
VSTD05075

Tot Ion: 43 Resp: 293614
Ion Ratio Lower Upper
43 100
58 52.3 43.1 64.7
57 18.9 15.3 22.9
100 11.8 10.0 15.0

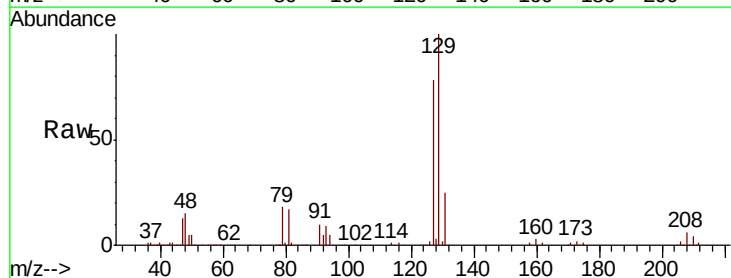


Abundance Ion 43.00 (42.70 to 43.70): VV016698.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV016698.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV016698.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV016698.D (-2105) (-)

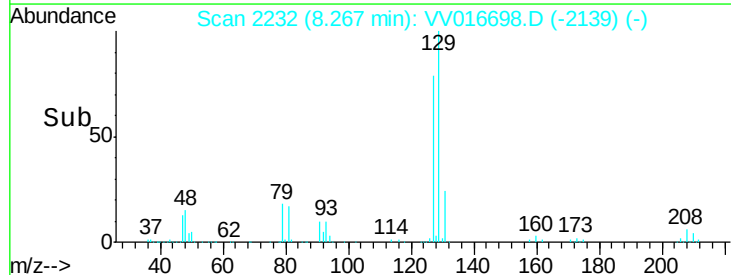
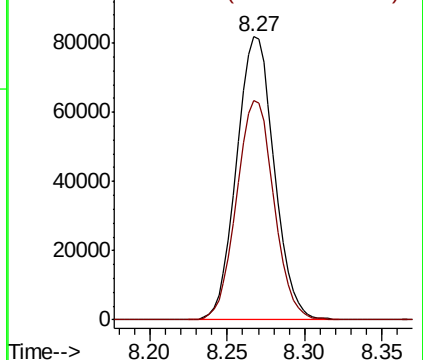


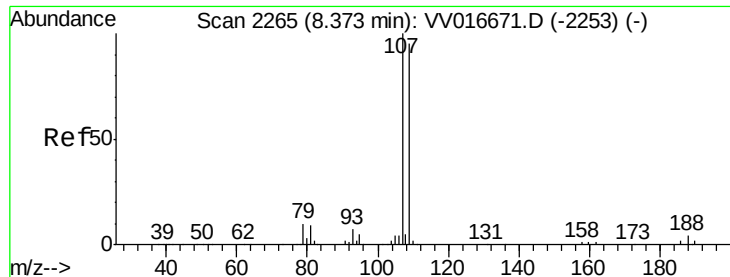
#49
Dibromochloromethane
Concen: 49.314 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016698.D
Acq: 09 Jun 2020 07:15

Tgt Ion: 129 Resp: 138621
Ion Ratio Lower Upper
129 100
127 77.6 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016698.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV016698.D (-2139) (-)

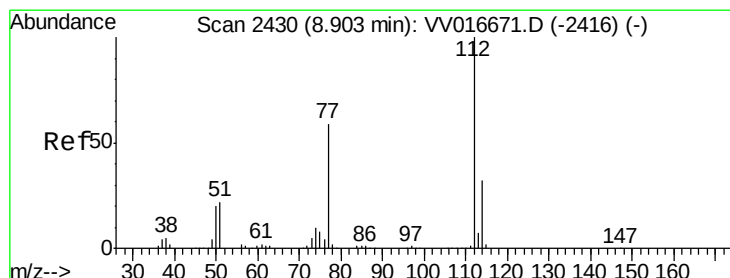
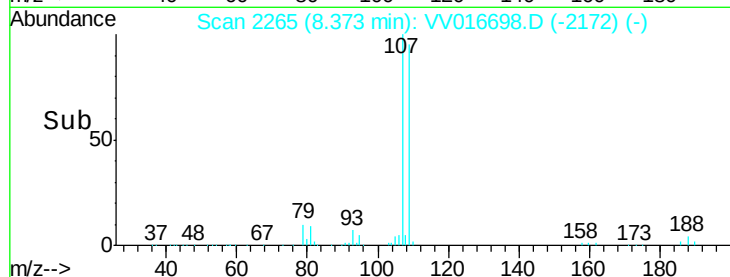
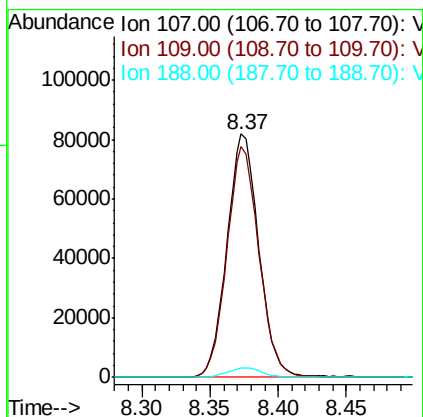
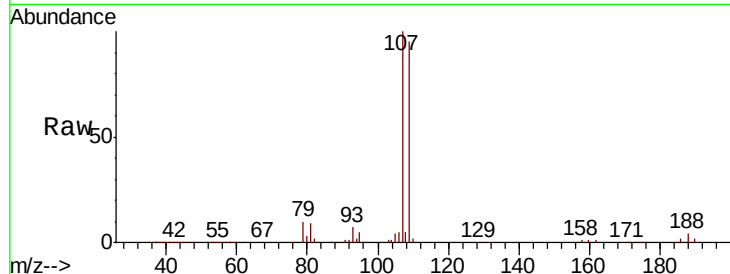




#50
 1,2-Dibromoethane
 Concen: 48.388 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

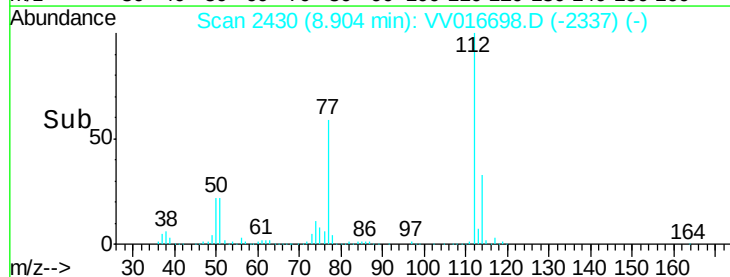
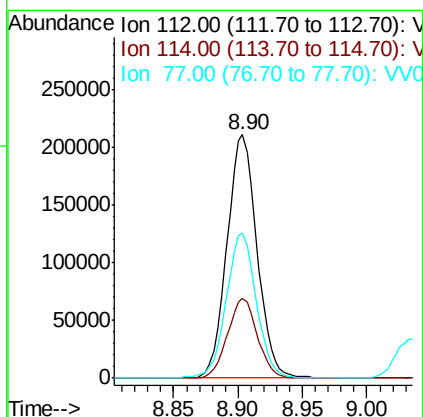
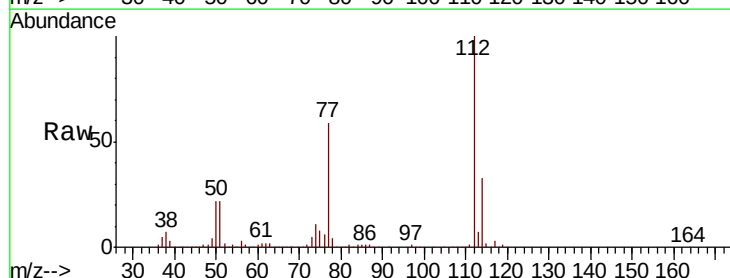
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

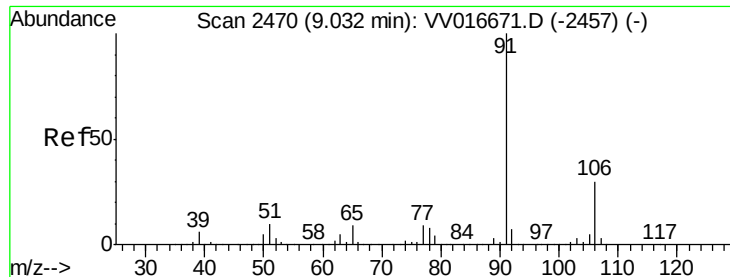
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.4	123.2
188	3.8	3.1	4.7



#51
 Chlorobenzene
 Concen: 47.361 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.3	41.3
77	59.4	47.9	71.9





#52

Ethylbenzene

Concen: 48.094 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

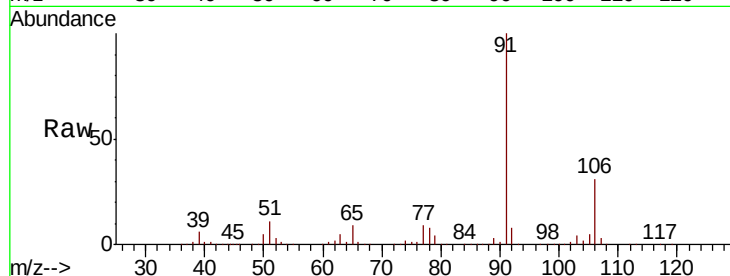
VSTD05075

Tot Ion: 91 Resp: 588441

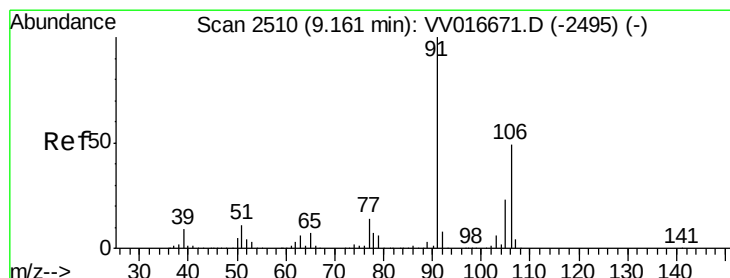
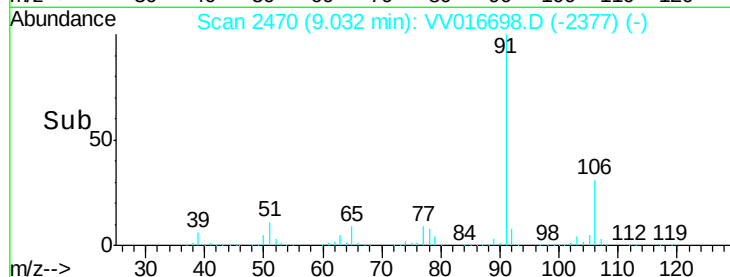
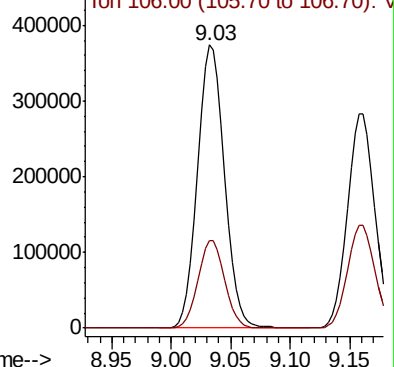
Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016698.D (-2377) (-)



#53

m,p-Xylene

Concen: 48.060 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016698.D

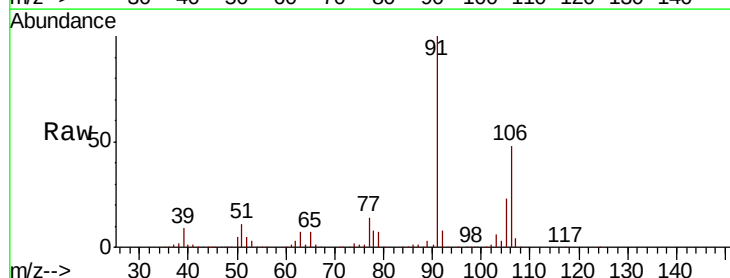
Acq: 09 Jun 2020 07:15

Tgt Ion: 106 Resp: 218941

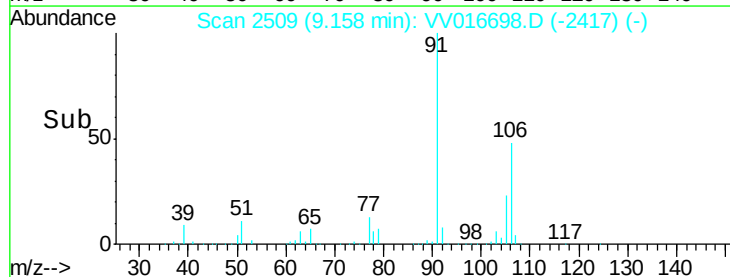
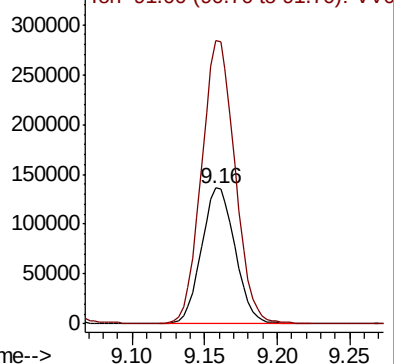
Ion Ratio Lower Upper

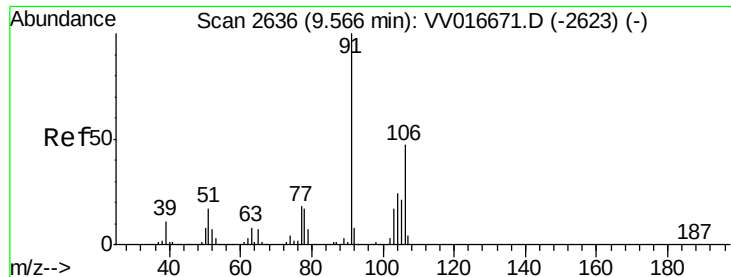
106 100

91 208.3 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016698.D (-2417) (-)





#54

o-xylene

Concen: 48.170 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

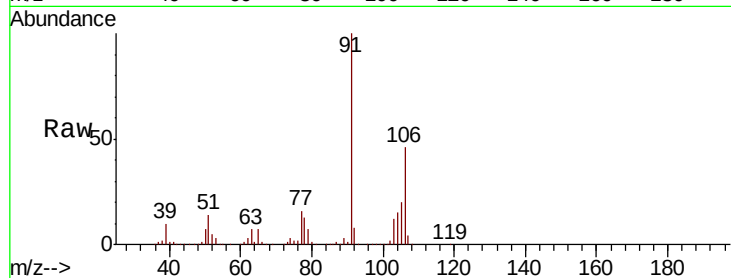
VSTD05075

Tot Ion:106 Resp: 216424

Ion Ratio Lower Upper

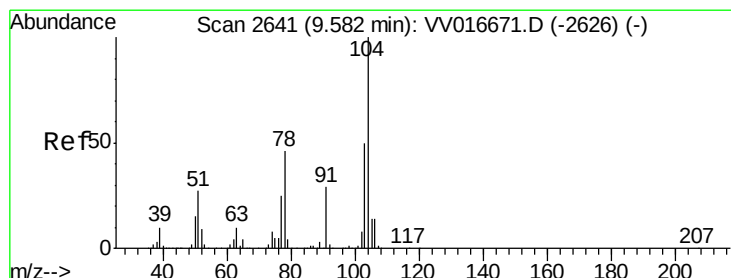
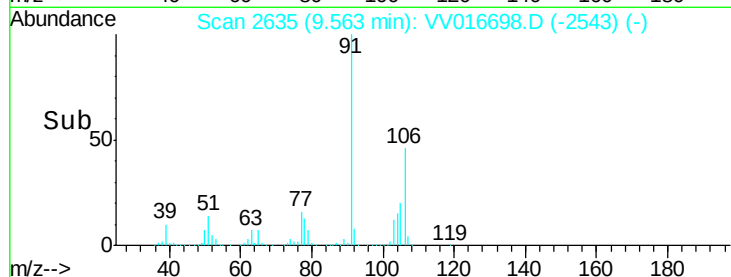
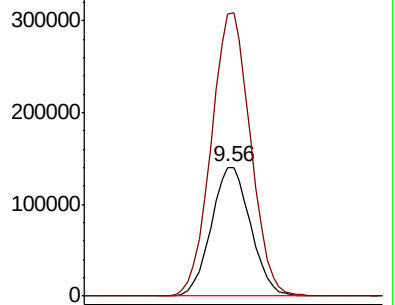
106 100

91 219.0 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.215 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016698.D

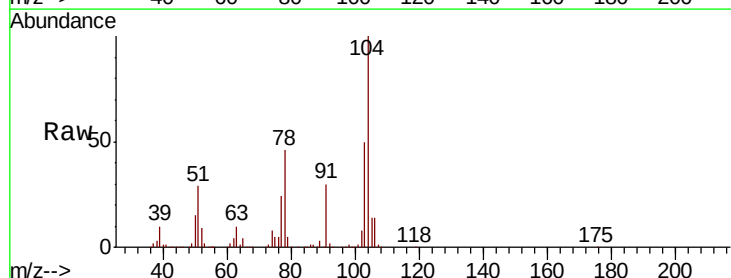
Acq: 09 Jun 2020 07:15

Tgt Ion:104 Resp: 373845

Ion Ratio Lower Upper

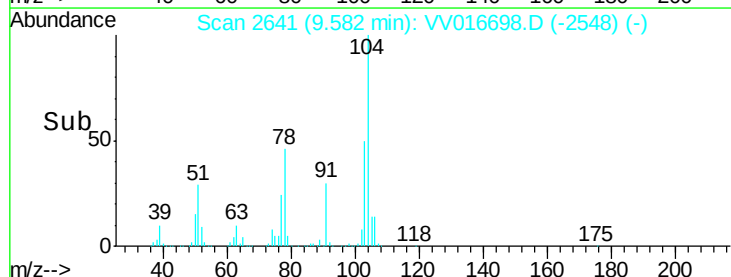
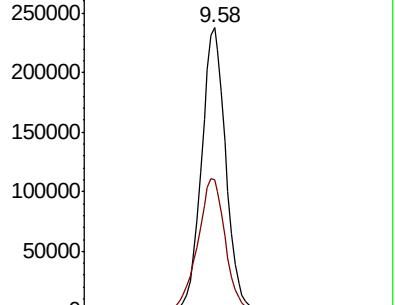
104 100

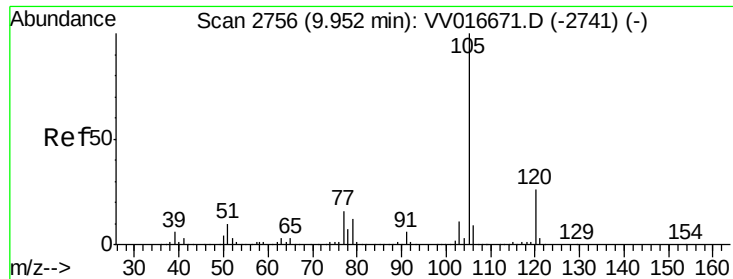
78 46.3 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.411 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

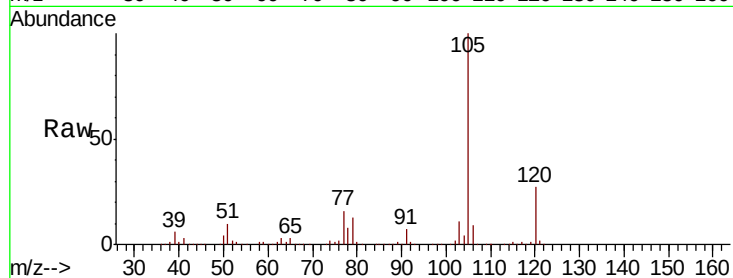
Tot Ion:105 Resp: 584446

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

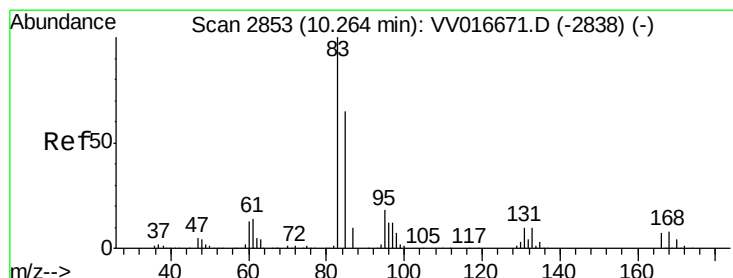
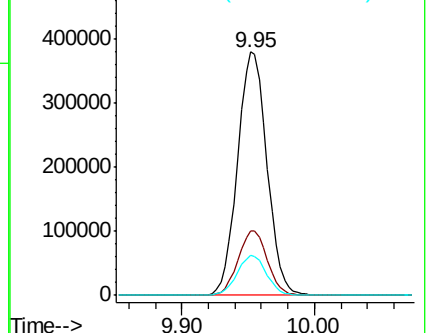
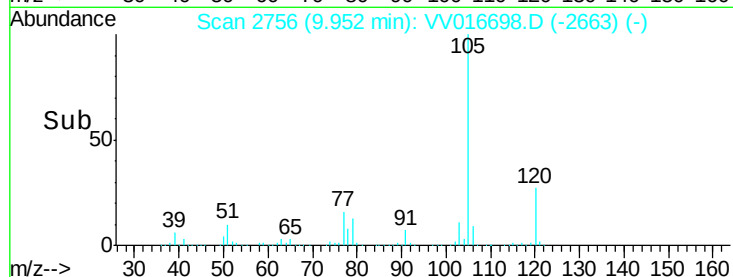
77 16.4 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.411 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

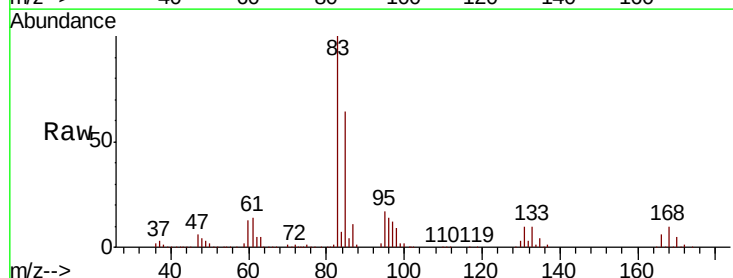
Tgt Ion: 83 Resp: 195140

Ion Ratio Lower Upper

83 100

85 63.8 46.8 86.8

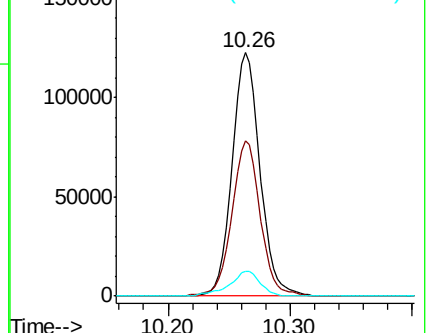
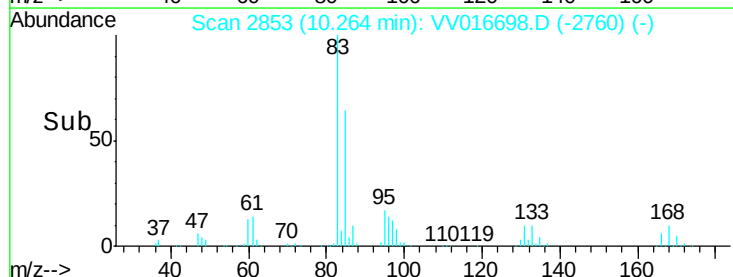
131 10.4 7.9 11.9

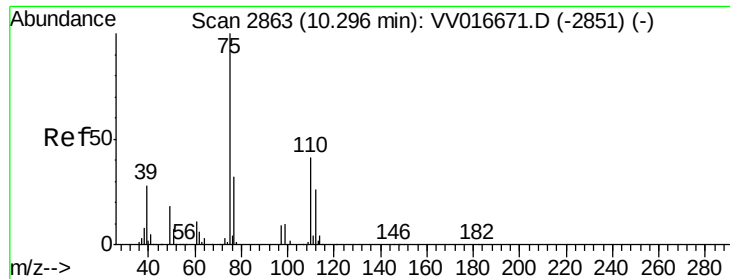


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.610 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

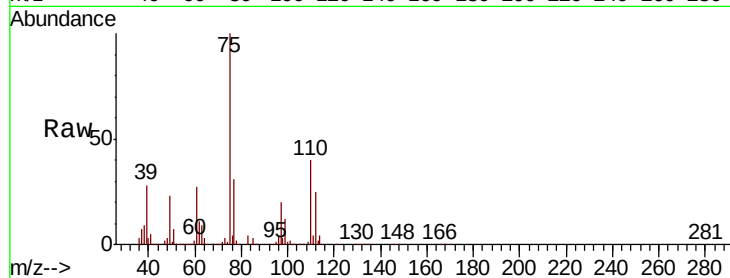
VSTD05075

Tot Ion: 75 Resp: 164350

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.30

120000

100000

80000

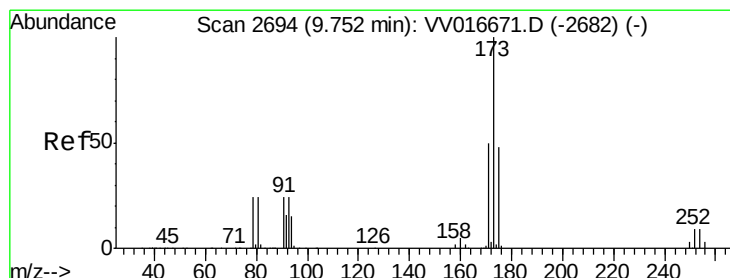
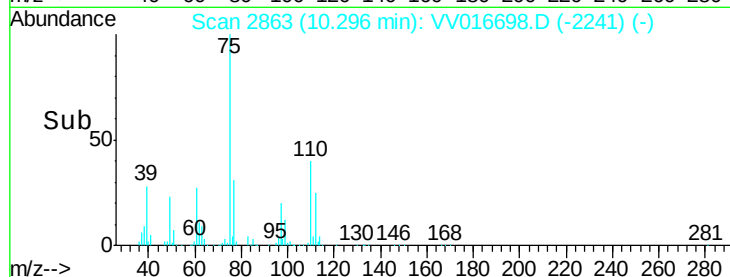
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 51.386 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

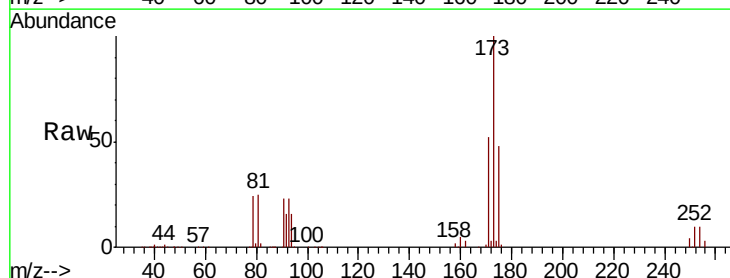
Tgt Ion: 173 Resp: 92912

Ion Ratio Lower Upper

173 100

175 47.8 39.0 58.4

254 9.3 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.75

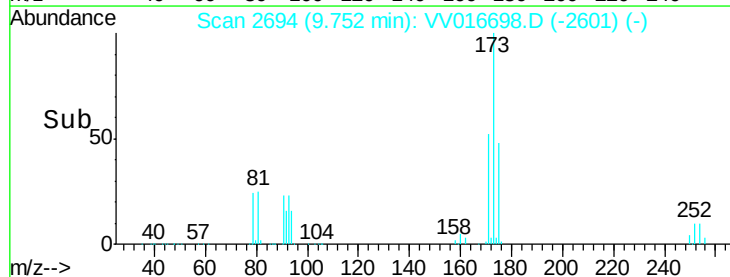
60000

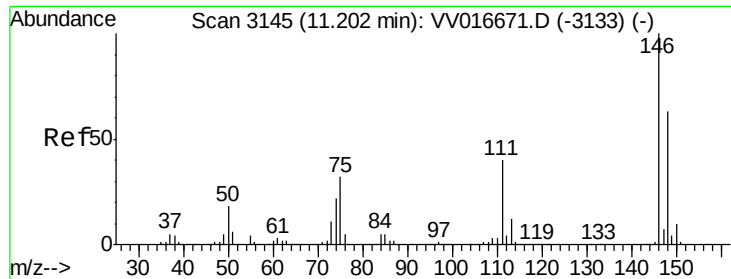
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 48.382 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

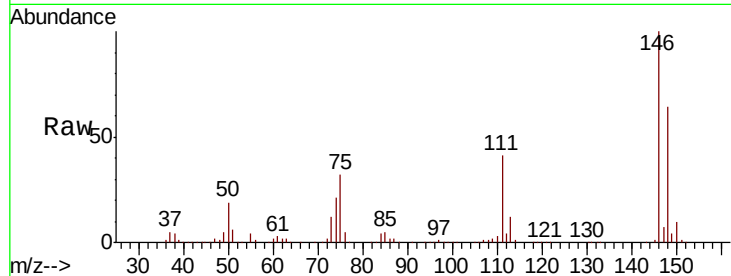
Tot Ion:146 Resp: 269382

Ion Ratio Lower Upper

146 100

111 40.9 28.3 52.7

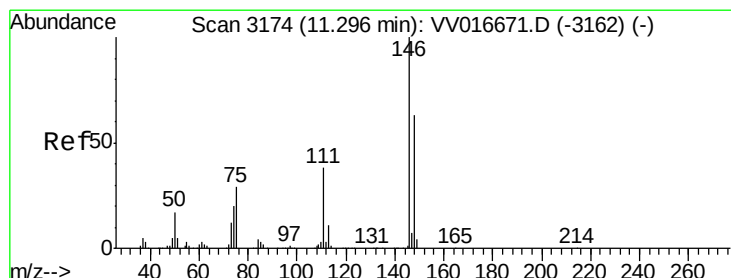
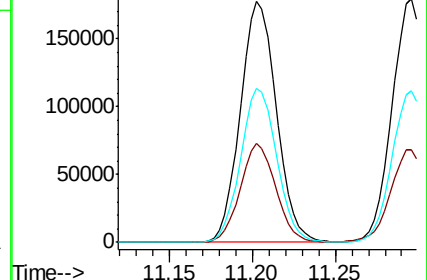
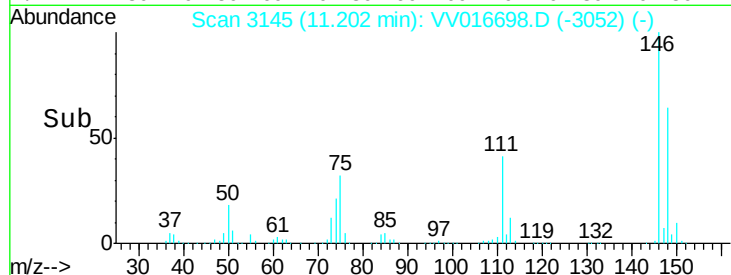
148 64.1 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.068 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

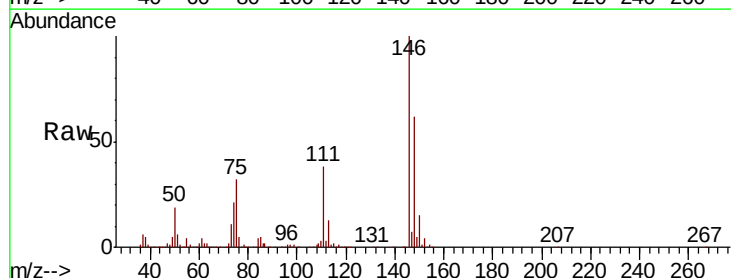
Tgt Ion:146 Resp: 272307

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

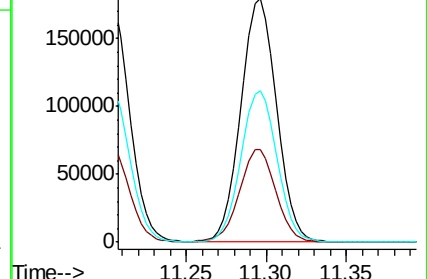
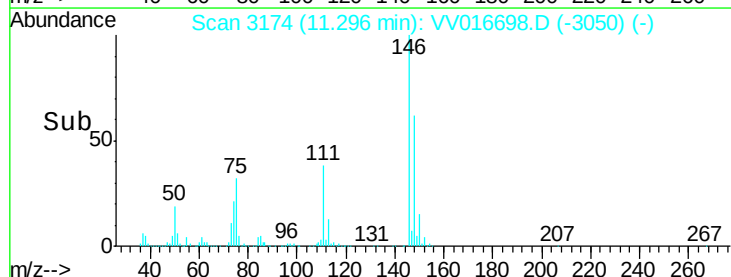
148 62.2 43.5 80.9

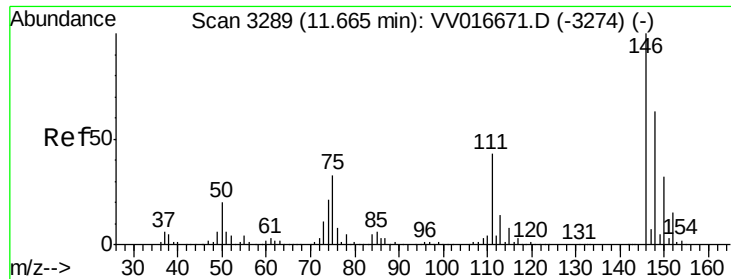


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.860 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

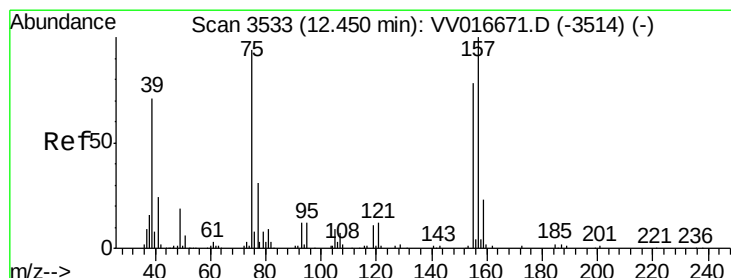
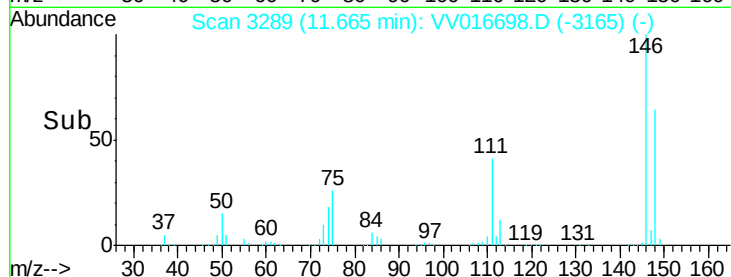
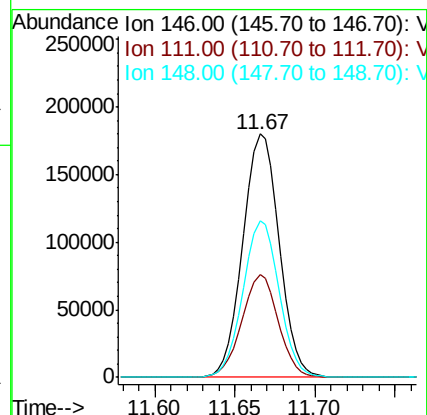
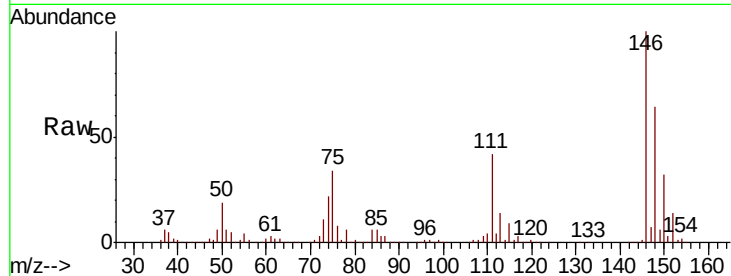
Tot Ion:146 Resp: 278205

Ion Ratio Lower Upper

146 100

111 42.2 33.7 50.5

148 64.1 50.7 76.1



#66

1,2-Dibromo-3-chloropropane

Concen: 49.810 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

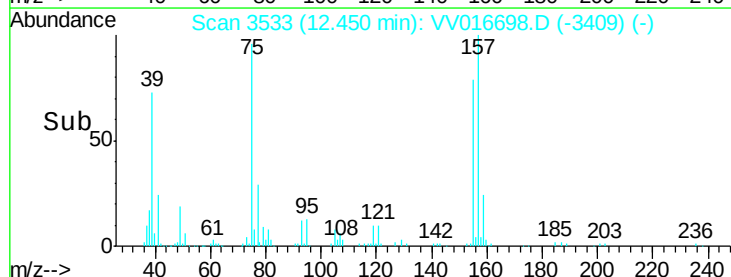
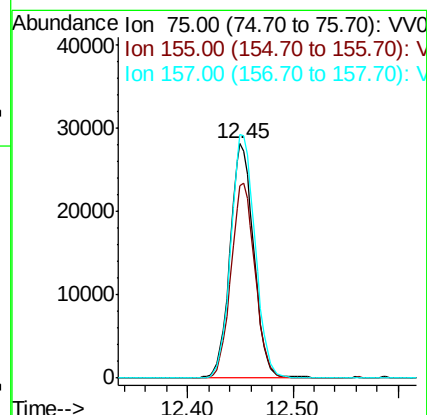
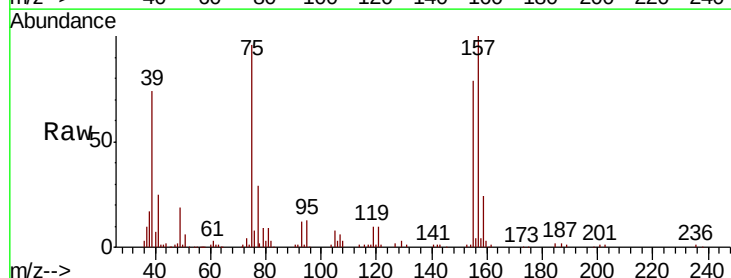
Tgt Ion: 75 Resp: 43701

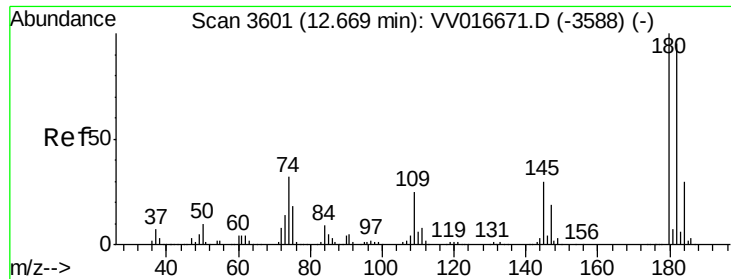
Ion Ratio Lower Upper

75 100

155 82.0 69.8 104.6

157 104.0 83.4 125.2

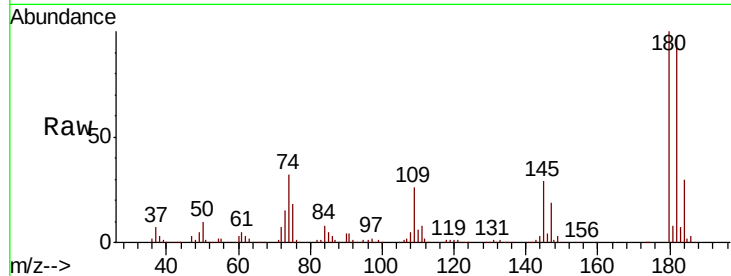




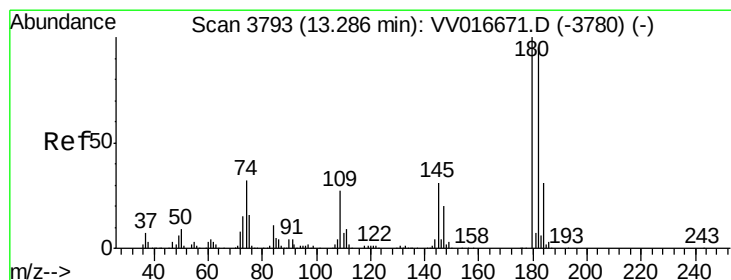
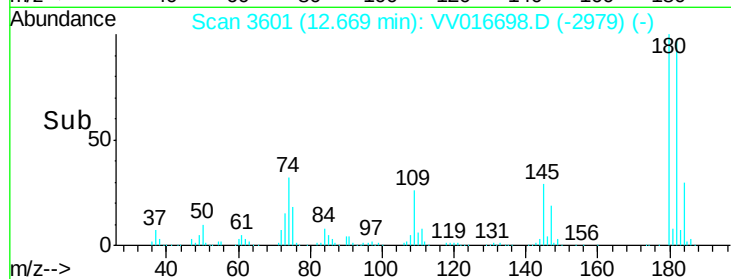
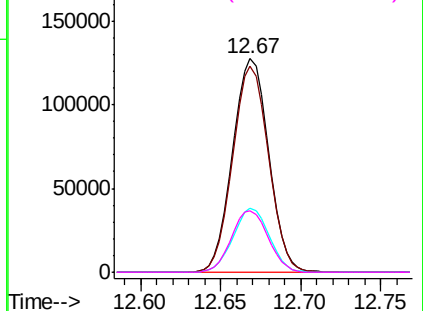
#67
 1,3,5-Trichlorobenzene
 Concen: 47.086 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tot Ion:180	Resp:	195492
Ion Ratio	Lower	Upper
180	100	
182	96.1	75.0 112.6
184	30.0	24.5 36.7
145	29.2	24.4 36.6

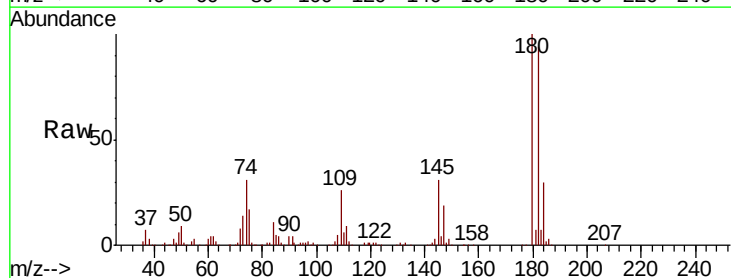


Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

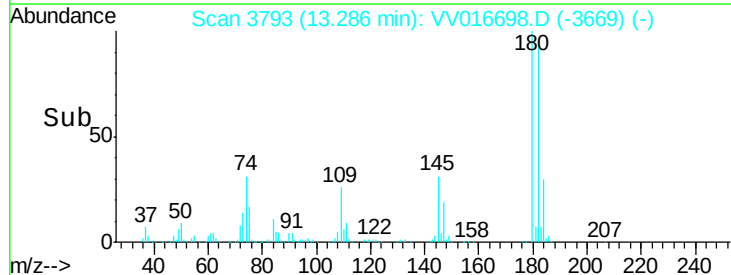
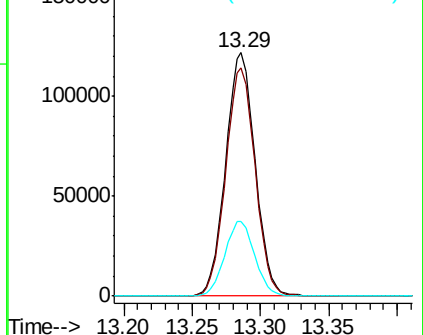


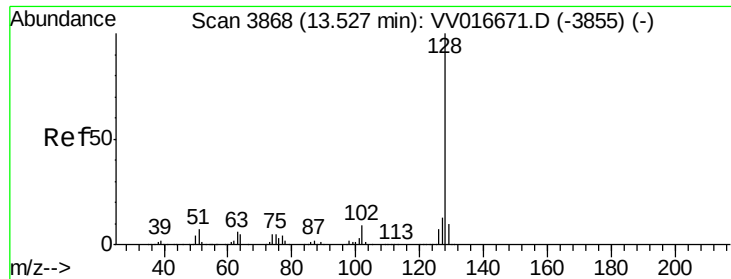
#68
 1,2,4-trichlorobenzene
 Concen: 48.059 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016698.D
 Acq: 09 Jun 2020 07:15

Tgt Ion:180	Resp:	183018
Ion Ratio	Lower	Upper
180	100	
182	93.7	76.9 115.3
145	31.0	25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.183 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

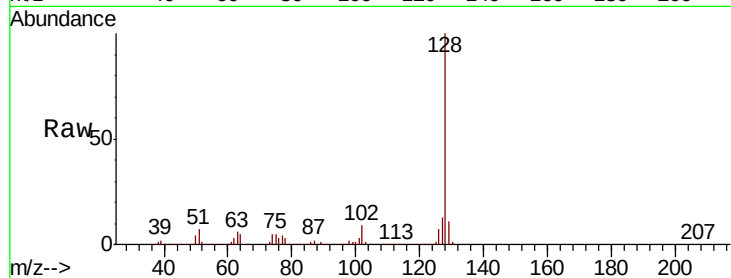
Tot Ion:128 Resp: 560671

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

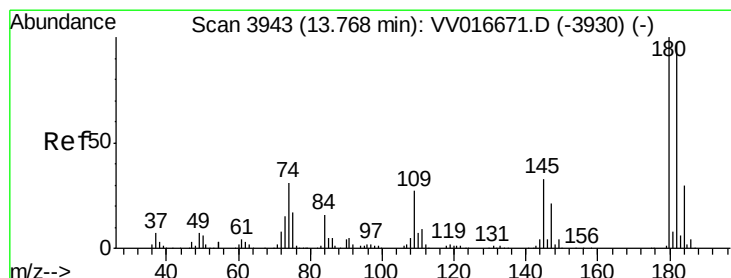
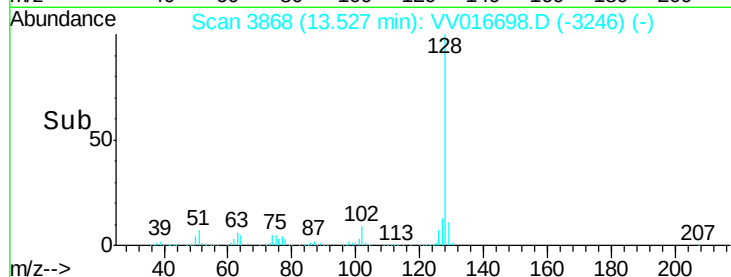
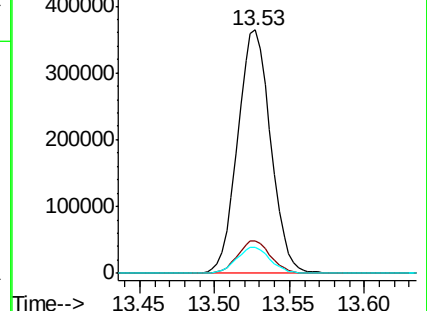
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.922 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016698.D

Acq: 09 Jun 2020 07:15

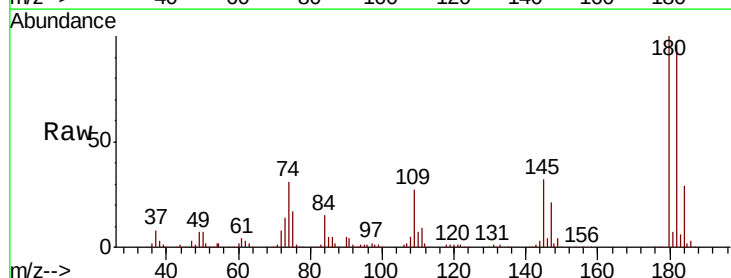
Tgt Ion:180 Resp: 182292

Ion Ratio Lower Upper

180 100

182 96.3 76.5 114.7

145 32.7 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

