

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV016991.D
 Acq On : 19 Jun 2020 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Jun 20 01:59:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 14:43:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366113	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	345556	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183051	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	120135	46.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	80119	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.38%
11) 1,1-Dichloroethene-d2	2.12	63	224527	51.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.52%
21) 2-Butanone-d5	3.90	46	173597	90.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.79%
24) Chloroform-d	4.37	84	260430	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	5.05	65	175202	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
32) Benzene-d6	5.07	84	485973	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
36) 1,2-Dichloropropane-d6	6.09	67	146433	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.32%
41) Toluene-d8	7.33	98	456415	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%
43) trans-1,3-Dichloropropene-	7.64	79	81144	50.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.36%
47) 2-Hexanone-d5	8.11	63	112532	83.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.13%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	185636	45.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	186861	47.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	141662	48.805	ug/L 100
3) Chloromethane	1.25	50	122881	46.293	ug/L 97
5) Vinyl chloride	1.32	62	120359	46.109	ug/L 97
6) Bromomethane	1.53	94	69981	64.370	ug/L 98
8) Chloroethane	1.60	64	60906	47.236	ug/L 94
9) Trichlorofluoromethane	1.76	101	196710	50.358	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	106707	54.820	ug/L 99
12) 1,1-Dichloroethene	2.13	96	94698	52.115	ug/L 99
13) Acetone	2.19	43	169391	134.459	ug/L 99
14) Carbon disulfide	2.31	76	301596	45.842	ug/L 100
15) Methyl Acetate	2.44	43	132965	47.353	ug/L 99
16) Methylene chloride	2.52	84	130425	48.914	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	122769	49.552	ug/L 94
18) Methyl tert-butyl Ether	2.78	73	415179	50.574	ug/L 99
19) 1,1-Dichloroethane	3.21	63	232862	49.932	ug/L 96
20) cis-1,2-Dichloroethene	3.93	96	134719	49.877	ug/L 99
22) 2-Butanone	3.99	43	203880	104.946	ug/L 100

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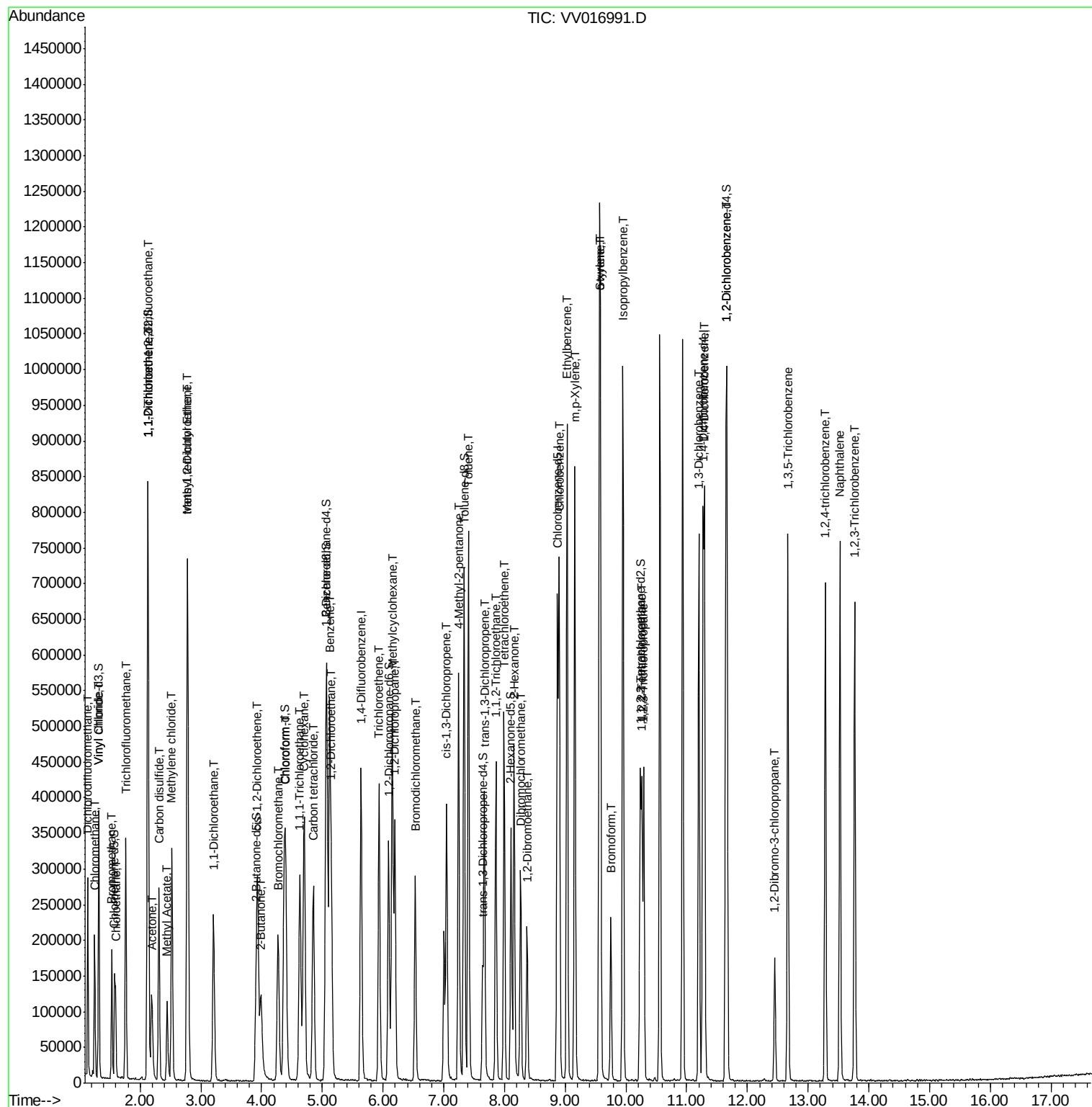
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	73215	51.457	uq/L	95
25) Chloroform	4.40	83	251471	52.469	uq/L	98
27) 1,2-Dichloroethane	5.15	62	206134	51.306	uq/L	97
29) Cyclohexane	4.70	56	198355	46.193	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	233484	52.982	uq/L	98
31) Carbon tetrachloride	4.85	117	205853	53.996	uq/L	99
33) Benzene	5.12	78	506531	49.543	uq/L	100
34) Trichloroethene	5.94	95	140222	51.138	uq/L	99
35) Methylcyclohexane	6.15	83	208160	48.390	uq/L	98
37) 1,2-Dichloropropane	6.19	63	131394	49.418	uq/L	100
38) Bromodichloromethane	6.53	83	184412	52.102	uq/L	99
39) cis-1,3-Dichloropropene	7.04	75	212431	51.435	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	369843	98.163	uq/L	100
42) Toluene	7.41	91	540733	50.170	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	211557	52.689	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	127644	49.760	uq/L	99
46) Tetrachloroethene	7.99	164	111996	51.933	uq/L	97
48) 2-Hexanone	8.16	43	294227	100.718	uq/L	98
49) Dibromochloromethane	8.27	129	147544	53.795	uq/L	98
50) 1,2-Dibromoethane	8.37	107	134819	50.189	uq/L	100
51) Chlorobenzene	8.90	112	357906	50.898	uq/L	99
52) Ethylbenzene	9.03	91	611919	51.258	uq/L	98
53) m,p-Xylene	9.16	106	232016	52.198	uq/L	99
54) o-xylene	9.56	106	223263	50.929	uq/L	98
55) Styrene	9.58	104	393715	53.121	uq/L	98
56) Isopropylbenzene	9.95	105	621824	52.790	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	184591	46.934	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	163716	49.628	uq/L	99
61) Bromoform	9.75	173	101305	53.805	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	296124	51.075	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	299984	50.853	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	298787	51.424	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	41829	45.784	uq/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	223838	51.774	uq/L	98
68) 1,2,4-trichlorobenzene	13.28	180	199822	50.389	uq/L	99
69) Naphthalene	13.52	128	559519	49.051	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	197429	50.882	uq/L	98

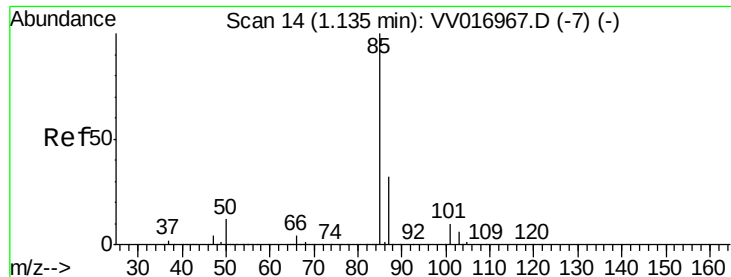
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.805 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

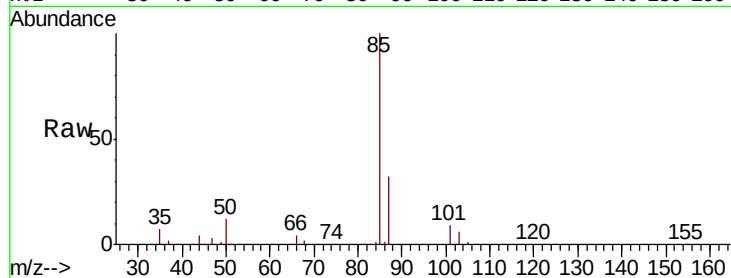
VSTD05098

Tot Ion: 85 Resp: 141662

Ion Ratio Lower Upper

85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016991.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016991.D (-1) (-)

1.14

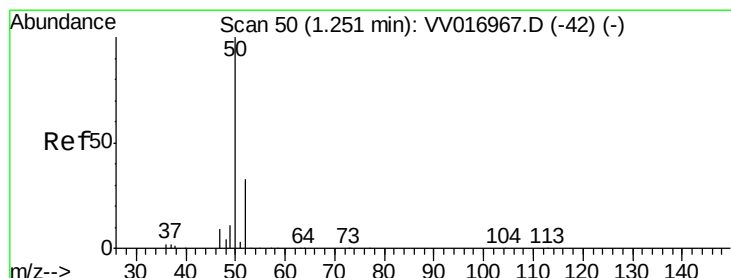
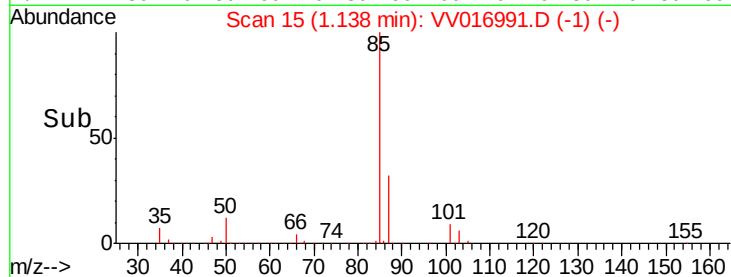
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.293 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016991.D

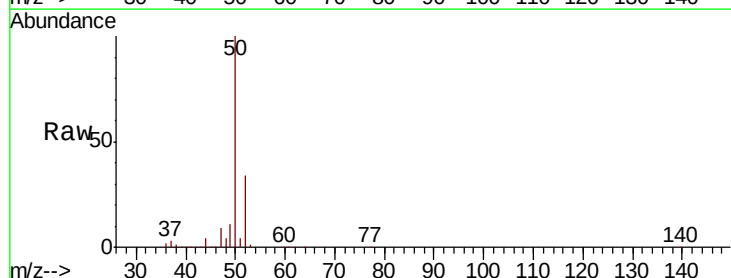
Acq: 19 Jun 2020 09:38

Tgt Ion: 50 Resp: 122881

Ion Ratio Lower Upper

50 100

52 33.5 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016991.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016991.D (-1) (-)

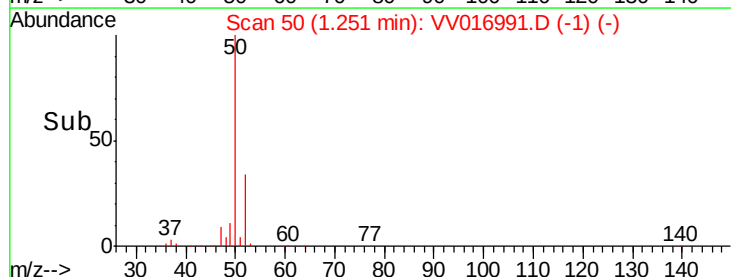
1.25

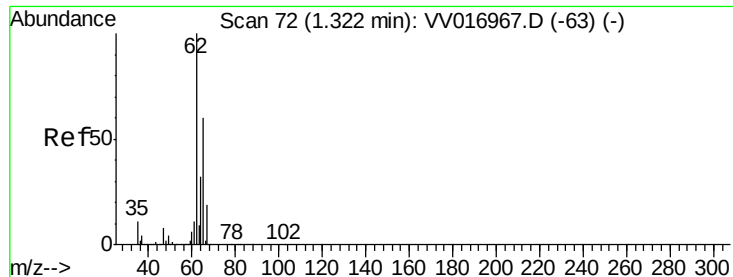
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.109 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

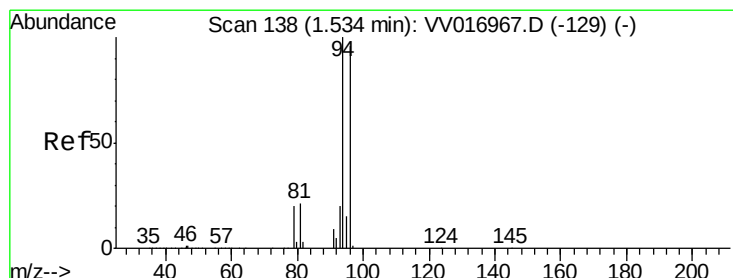
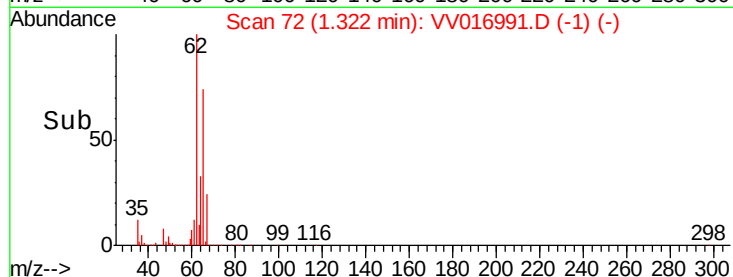
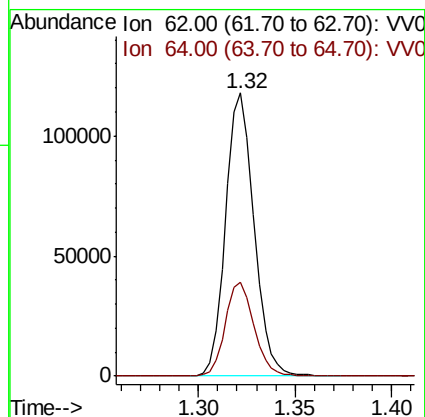
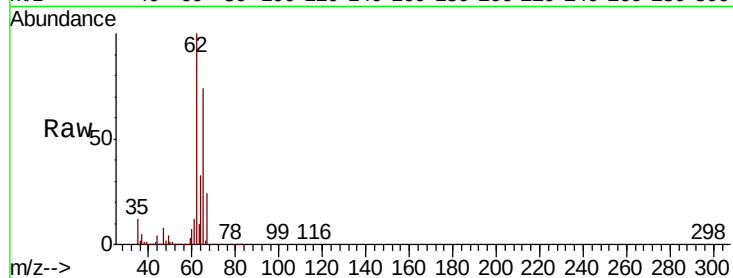
VSTD05098

Tot Ion: 62 Resp: 120359

Ion Ratio Lower Upper

62 100

64 33.4 22.3 41.5



#6

Bromomethane

Concen: 64.370 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016991.D

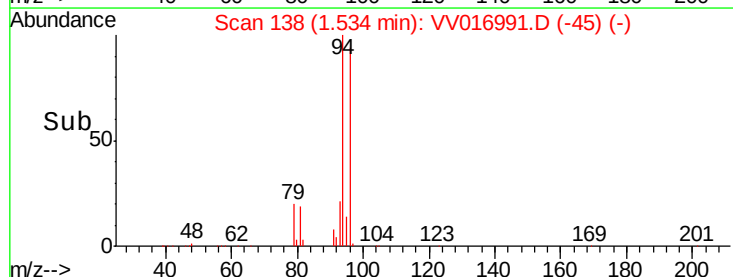
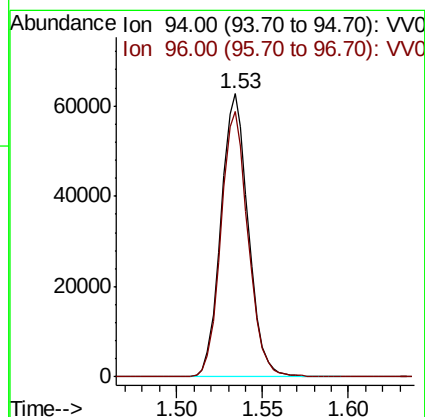
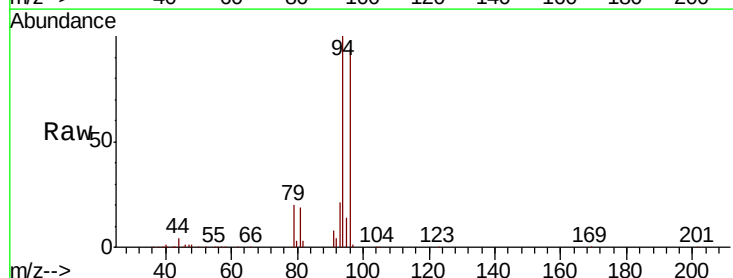
Acq: 19 Jun 2020 09:38

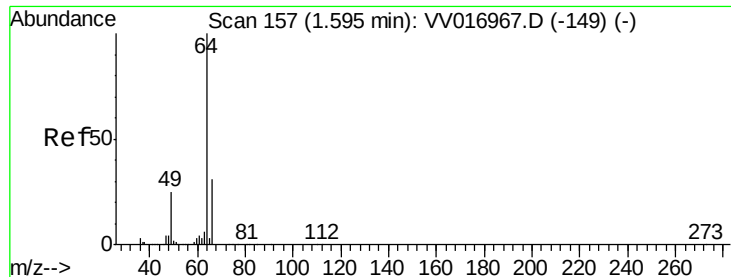
Tgt Ion: 94 Resp: 69981

Ion Ratio Lower Upper

94 100

96 93.8 64.5 119.9





#8

Chloroethane

Concen: 47.236 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

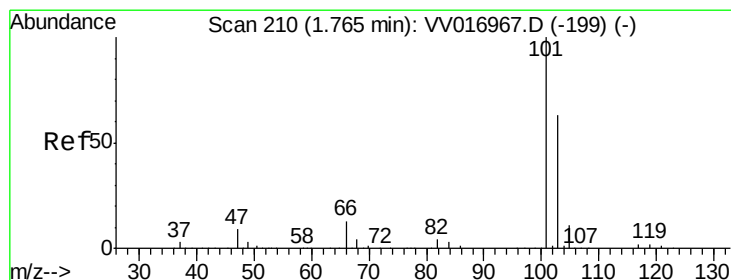
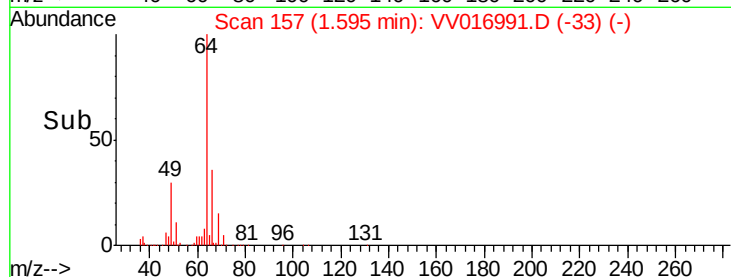
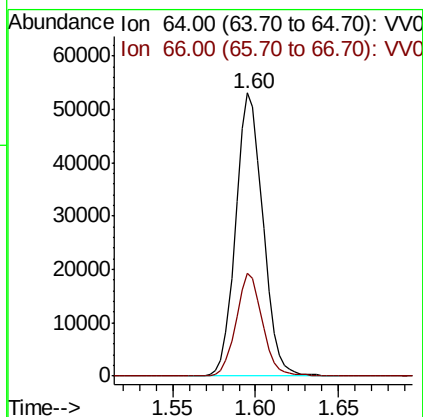
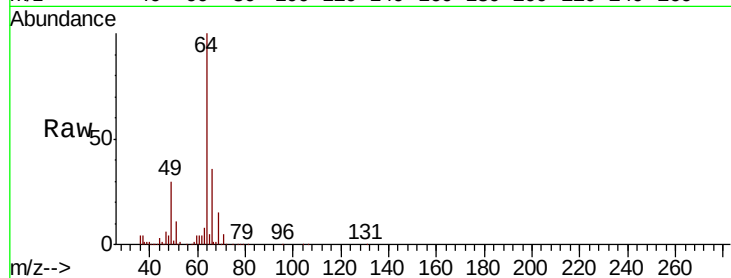
VSTD05098

Tot Ion: 64 Resp: 60906

Ion Ratio Lower Upper

64 100

66 36.3 23.2 43.0



#9

Trichlorofluoromethane

Concen: 50.358 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV016991.D

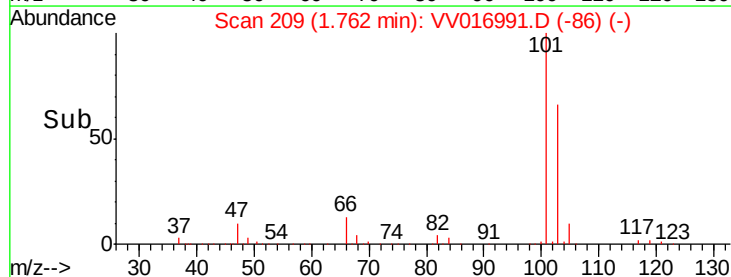
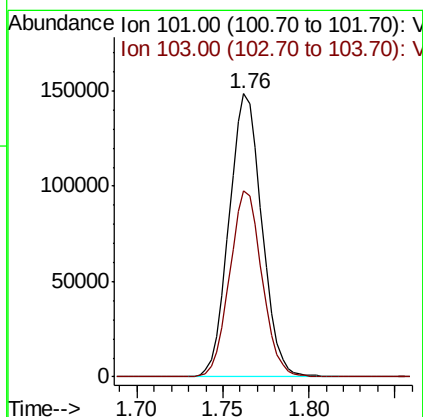
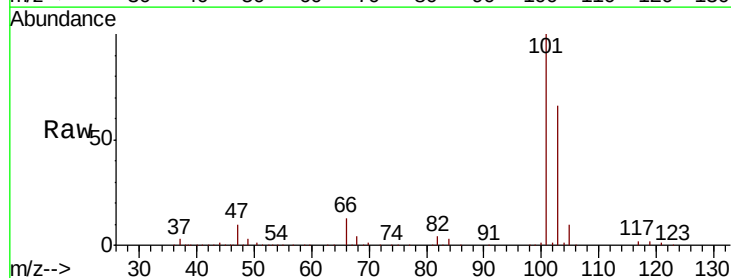
Acq: 19 Jun 2020 09:38

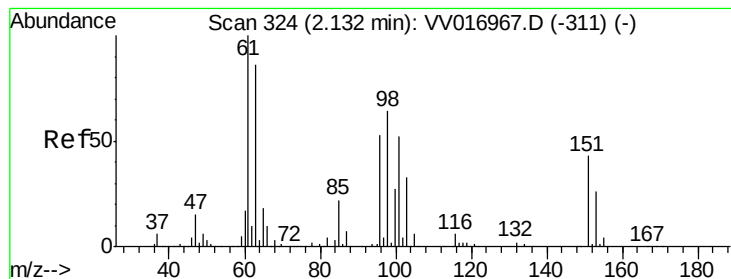
Tgt Ion: 101 Resp: 196710

Ion Ratio Lower Upper

101 100

103 64.9 51.3 76.9





#10

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

Concen: 54.820 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

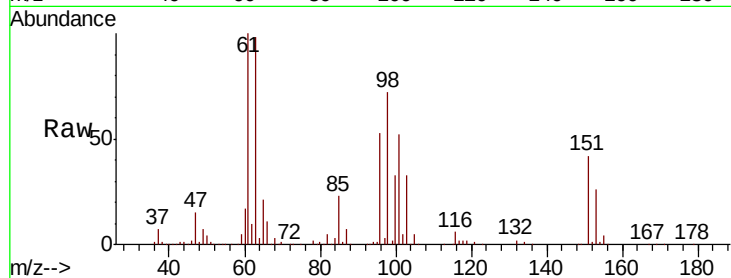
Tot Ion:101 Resp: 106707

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

151 80.8 63.9 95.9



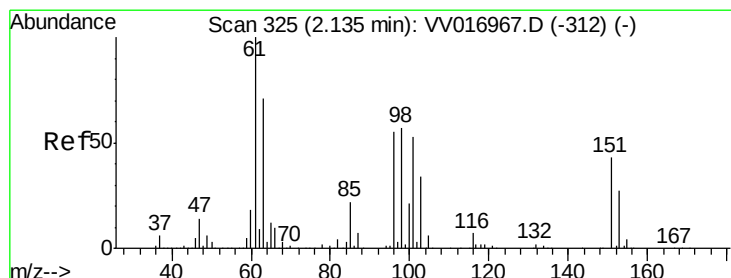
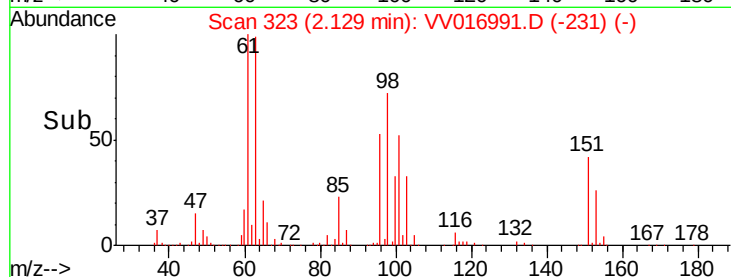
Abundance Ion 101.00 (100.70 to 101.70): VV016991.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV016991.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV016991.D (-231) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 52.115 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

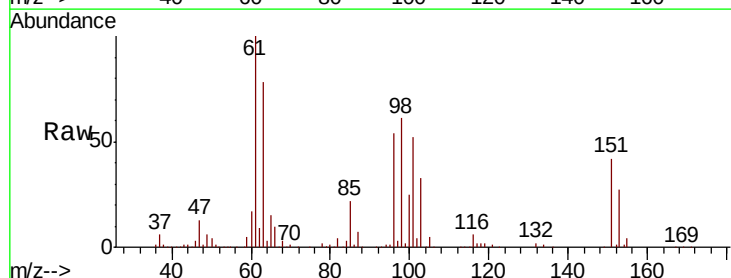
Tgt Ion: 96 Resp: 94698

Ion Ratio Lower Upper

96 100

61 185.3 130.4 242.2

63 144.8 103.3 191.9



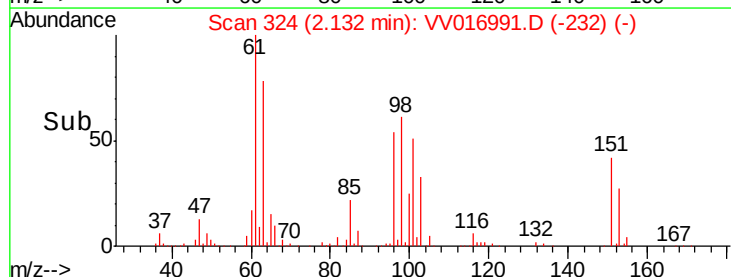
Abundance Ion 96.00 (95.70 to 96.70): VV016991.D (-232) (-)

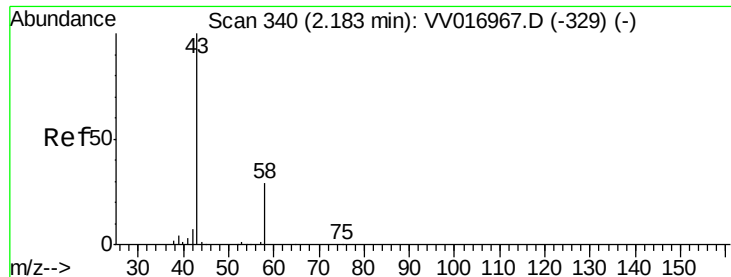
Ion 61.00 (60.70 to 61.70): VV016991.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016991.D (-232) (-)

2.13

Time-->





#13

Acetone

Concen: 134.459 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

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ClientSampleId :

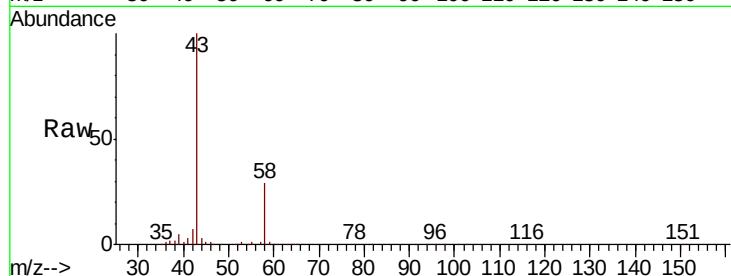
VSTD05098

Tot Ion: 43 Resp: 169391

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016967.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV016967.D (-329) (-)

80000

60000

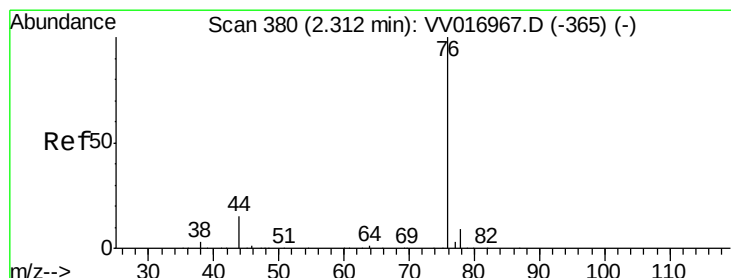
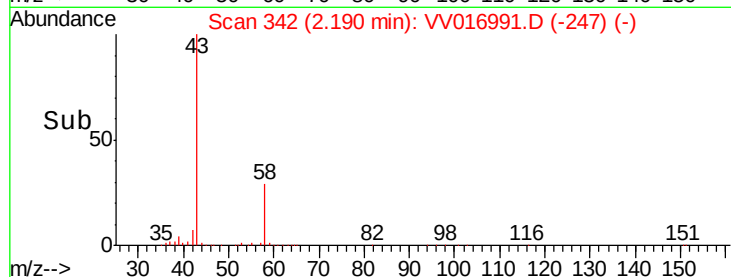
40000

20000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 45.842 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016991.D

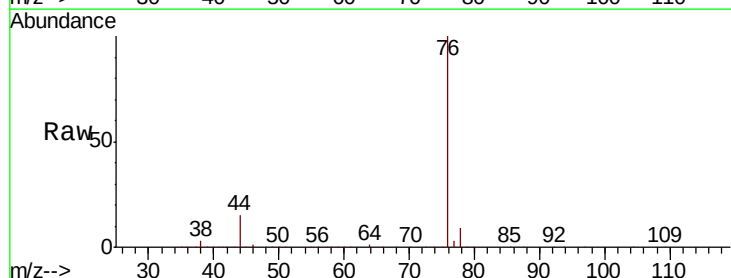
Acq: 19 Jun 2020 09:38

Tgt Ion: 76 Resp: 301596

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016967.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV016967.D (-365) (-)

200000

150000

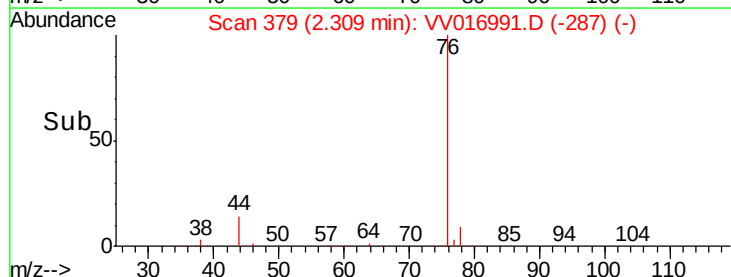
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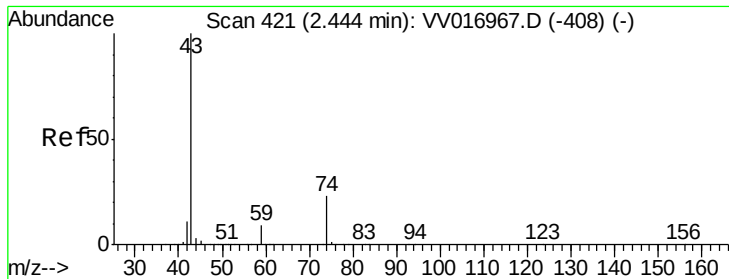
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0

2.25 2.30 2.35 2.40

Time-->

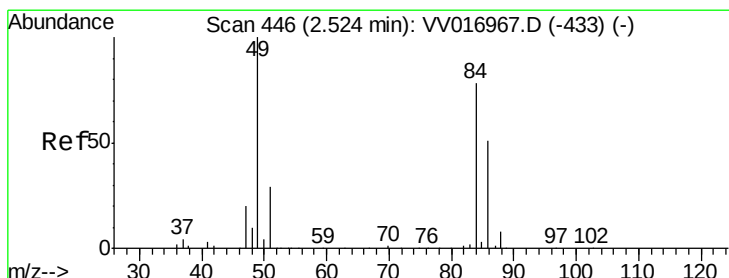
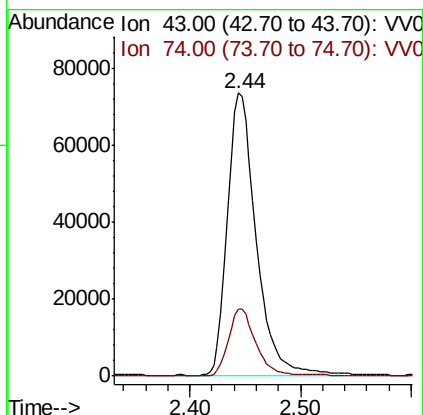
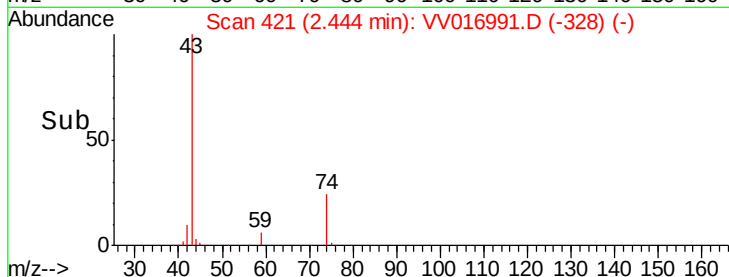
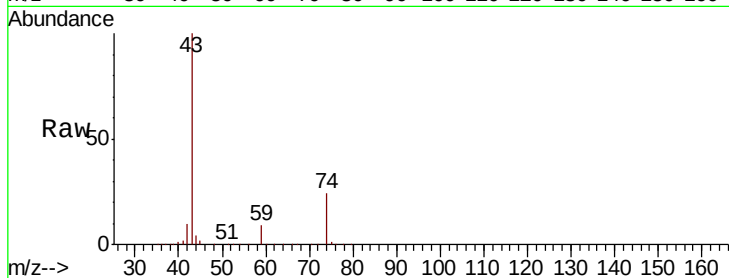




#15
Methvl Acetate
Concen: 47.353 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

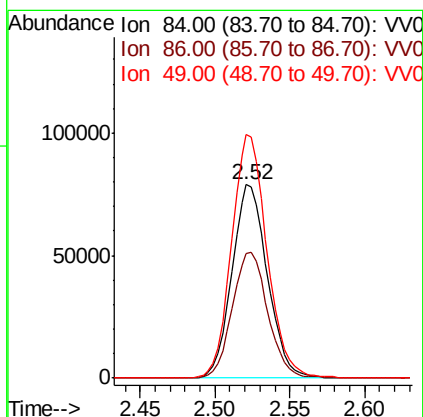
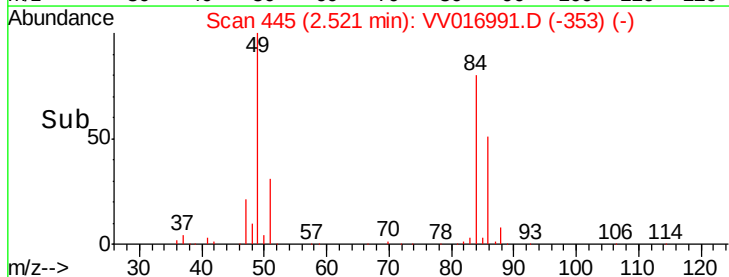
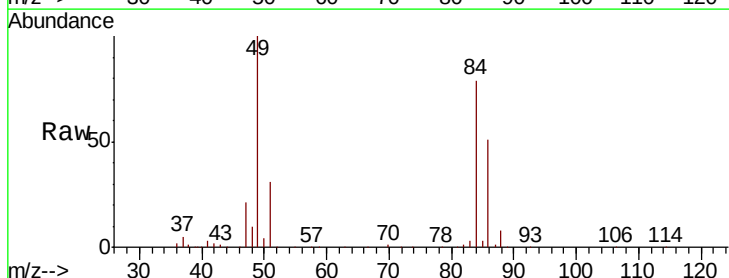
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

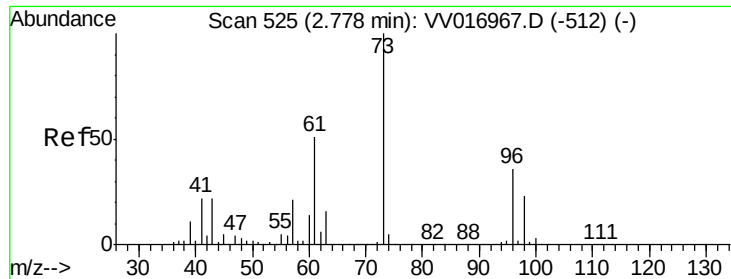
Tot Ion: 43 Resp: 132965
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9



#16
Methylene chloride
Concen: 48.914 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion: 84 Resp: 130425
Ion Ratio Lower Upper
84 100
86 64.5 44.0 81.8
49 125.8 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 49.552 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

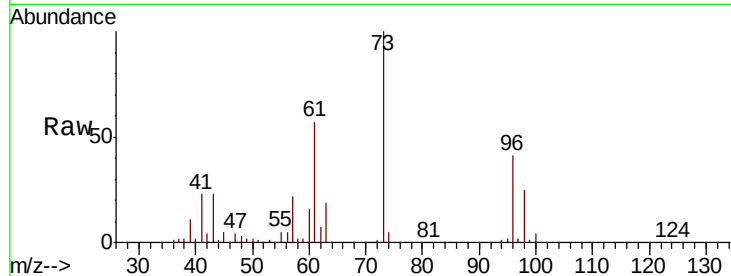
Tot Ion: 96 Resp: 122769

Ion Ratio Lower Upper

96 100

61 138.0 102.9 191.1

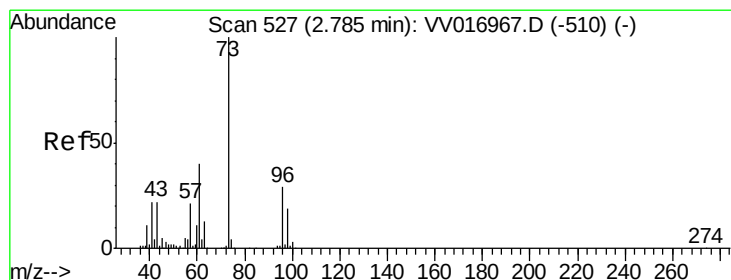
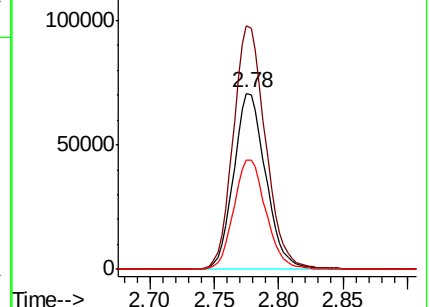
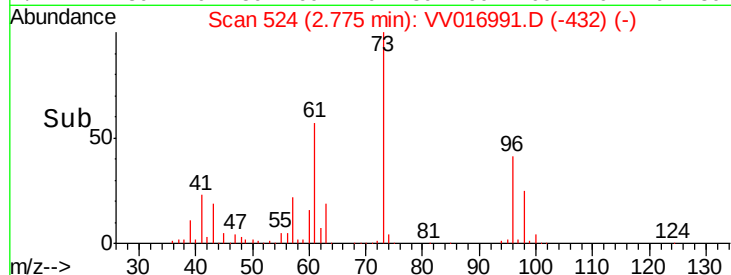
98 61.6 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.574 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

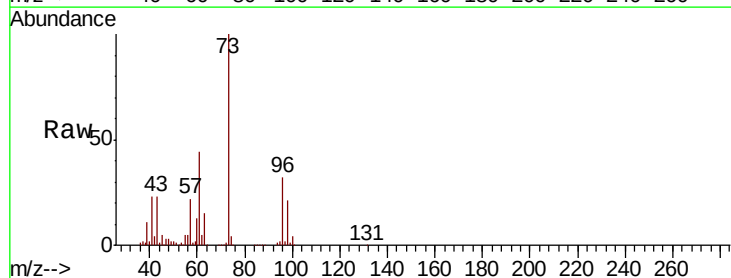
Tgt Ion: 73 Resp: 415179

Ion Ratio Lower Upper

73 100

43 22.2 17.8 26.6

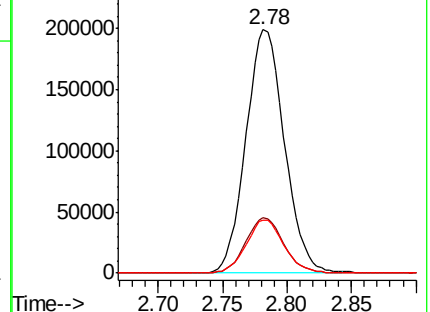
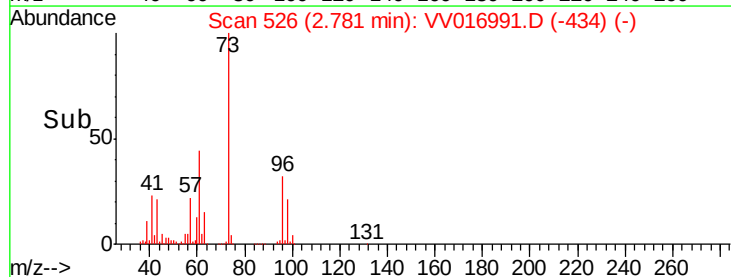
57 21.3 17.7 26.5

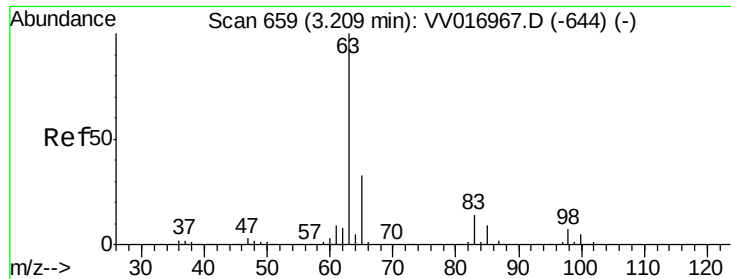


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

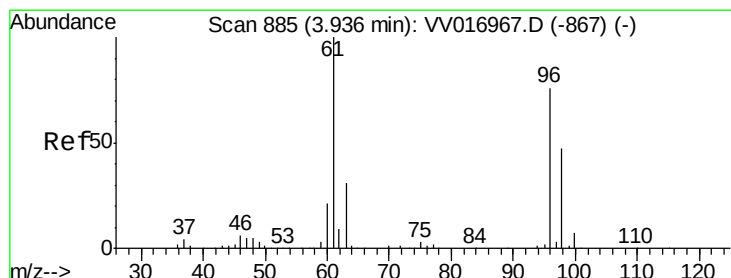
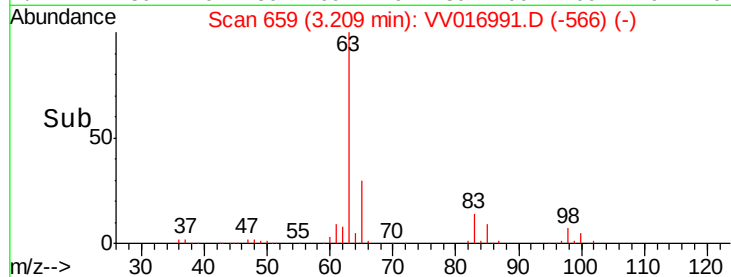
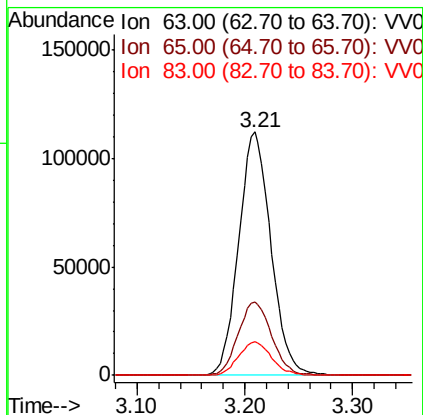
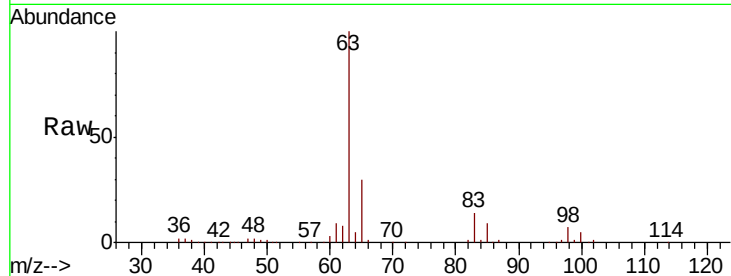




#19
 1,1-Dichloroethane
 Concen: 49.932 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

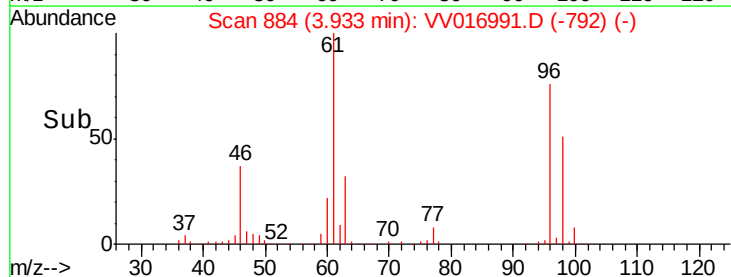
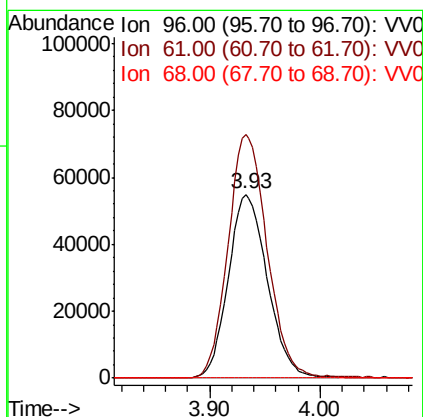
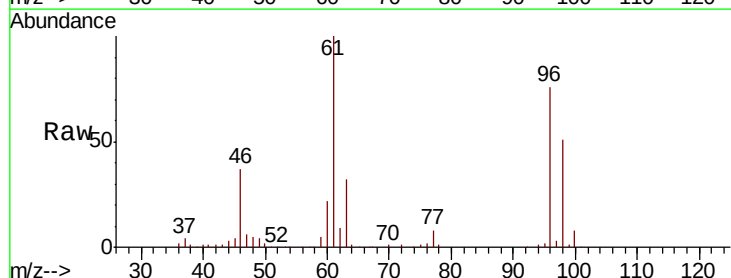
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

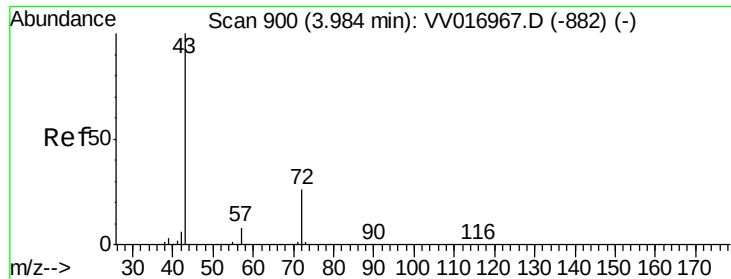
Tot Ion: 63 Resp: 232862
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.2 43.0
 83 13.6 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 49.877 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Tgt Ion: 96 Resp: 134719
 Ion Ratio Lower Upper
 96 100
 61 132.3 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.946 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

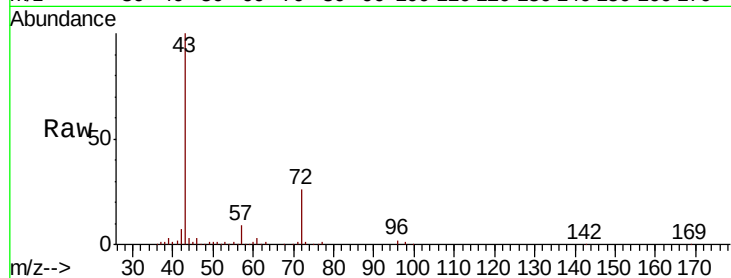
VSTD05098

Tot Ion: 43 Resp: 203880

Ion Ratio Lower Upper

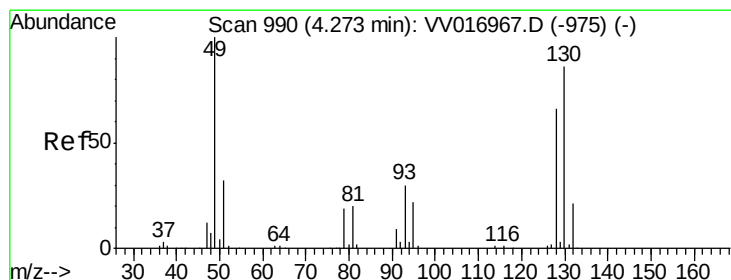
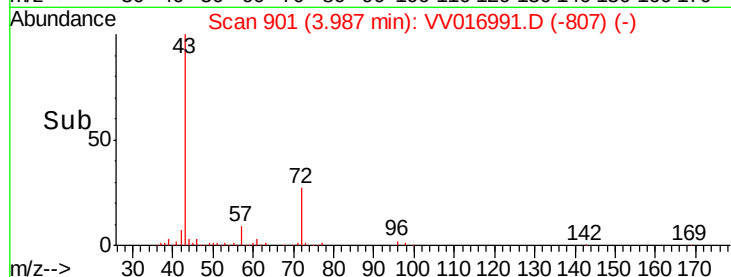
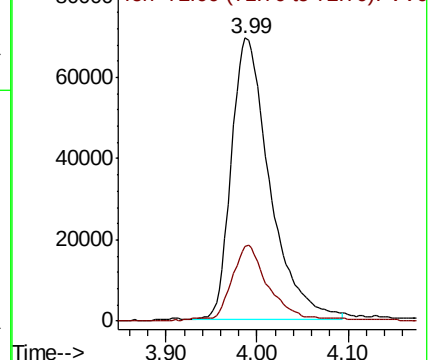
43 100

72 24.7 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016991.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV016991.D (-897) (-)



#23

Bromochloromethane

Concen: 51.457 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Tgt Ion:128 Resp: 73215

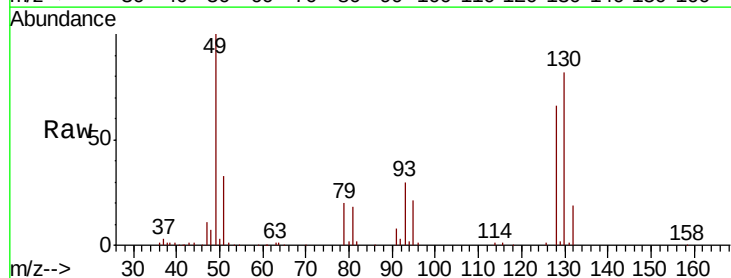
Ion Ratio Lower Upper

128 100

49 152.3 111.9 207.9

130 125.6 91.5 169.9

51 49.5 42.1 63.1

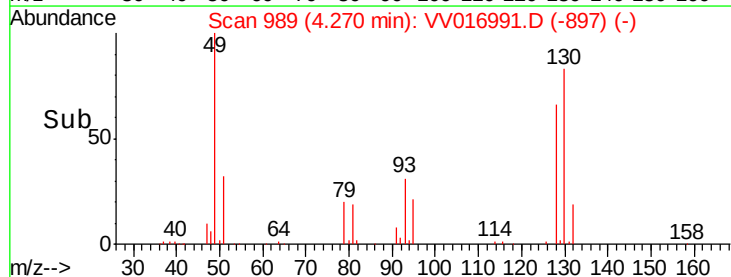
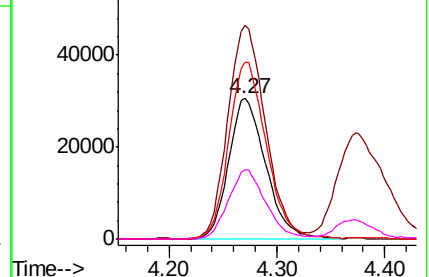


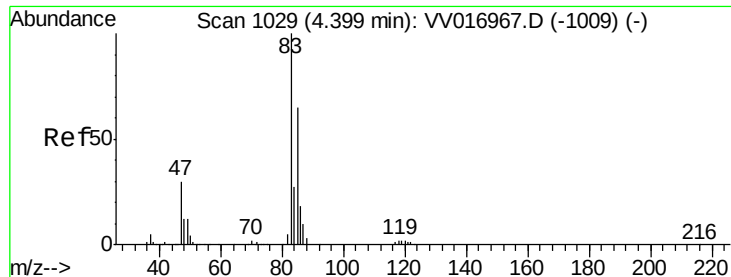
Abundance Ion 128.00 (127.70 to 128.70): VV016991.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV016991.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016991.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016991.D (-897) (-)





#25

Chloroform

Concen: 52.469 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

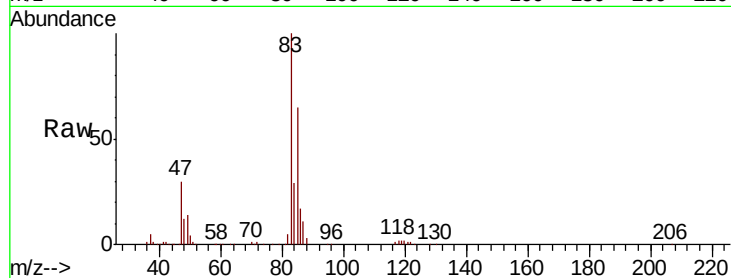
VSTD05098

Tot Ion: 83 Resp: 251471

Ion Ratio Lower Upper

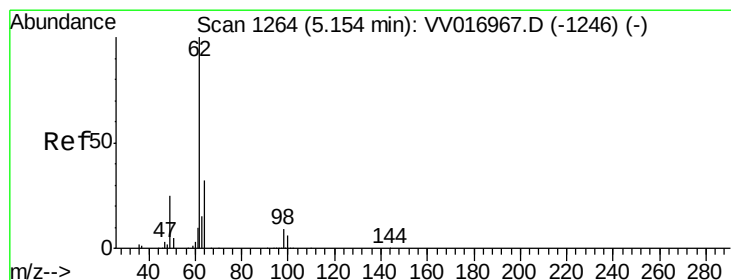
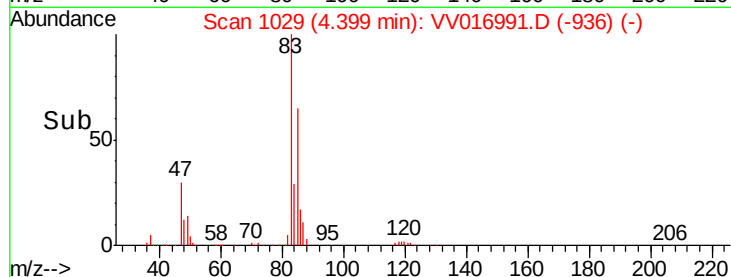
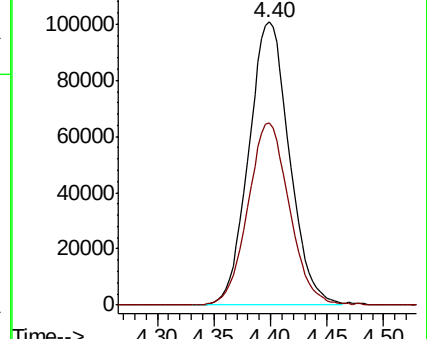
83 100

85 64.6 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: 51.306 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV016991.D

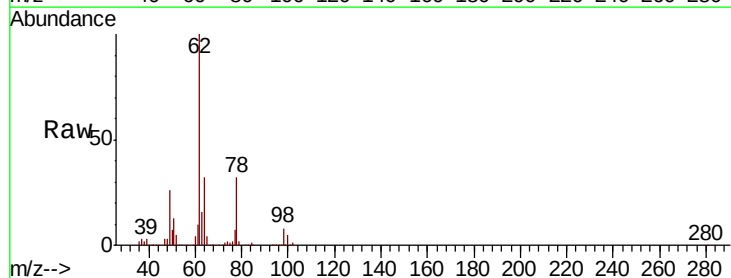
Acq: 19 Jun 2020 09:38

Tgt Ion: 62 Resp: 206134

Ion Ratio Lower Upper

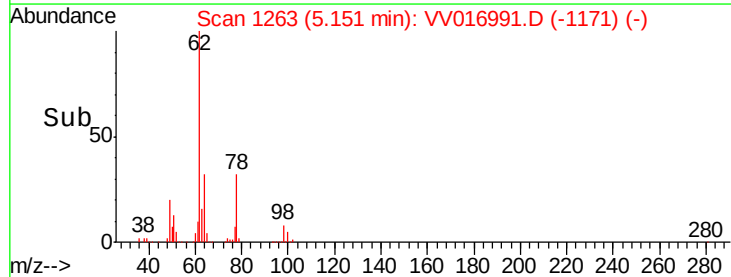
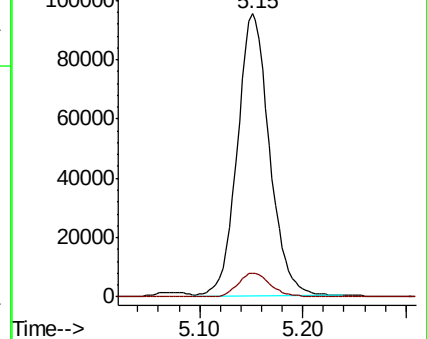
62 100

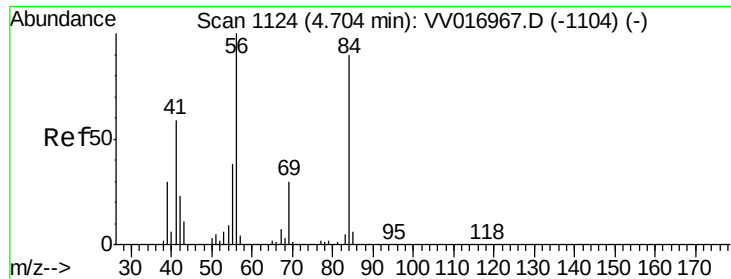
98 8.3 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

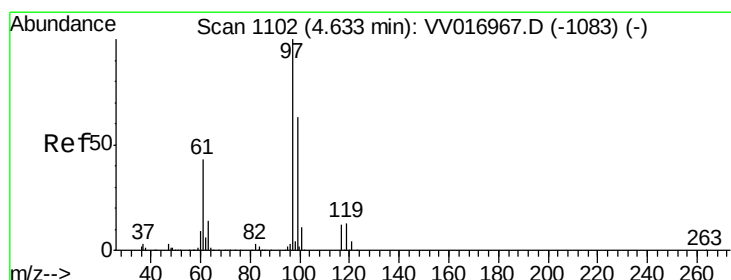
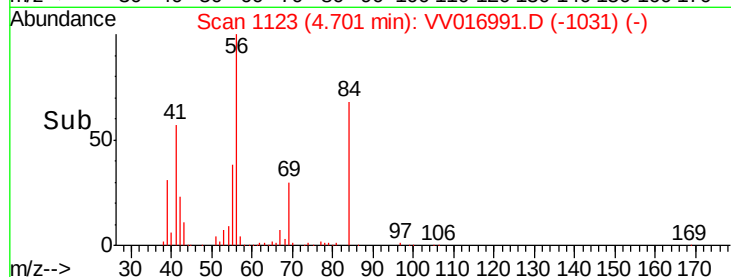
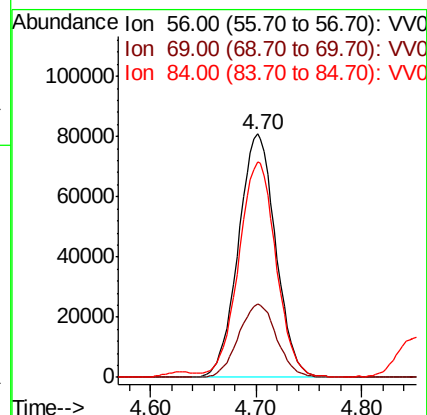
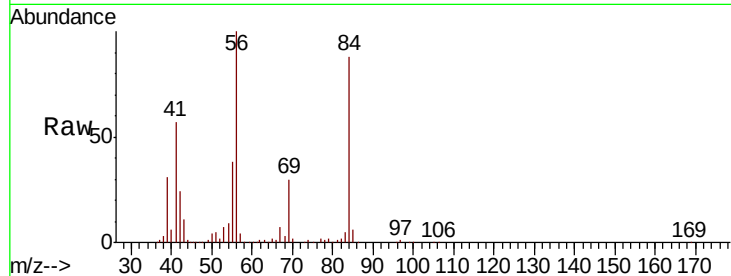




#29
Cyclohexane
Concen: 46.193 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

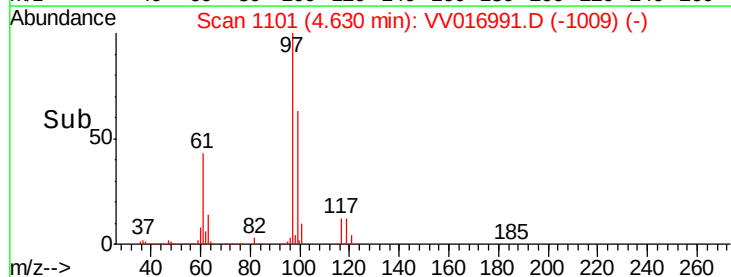
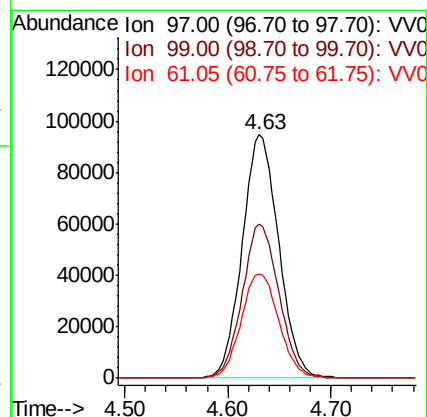
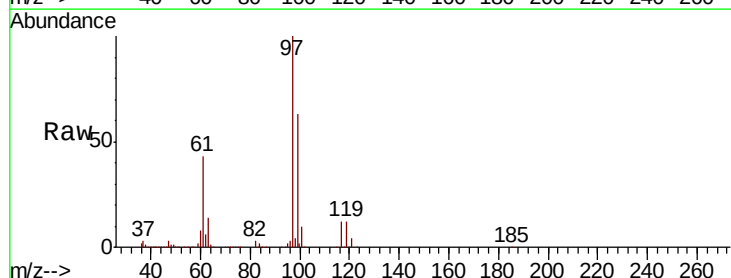
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

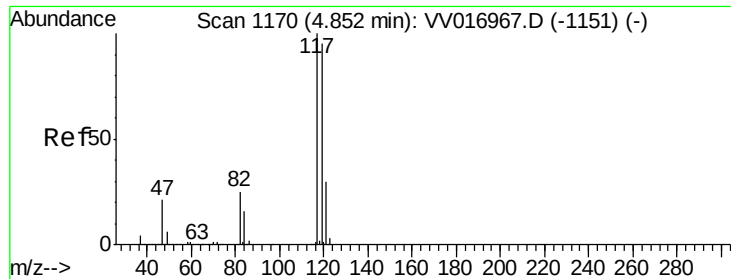
Tot Ion: 56 Resp: 198355
Ion Ratio Lower Upper
56 100
69 30.8 25.0 37.4
84 88.6 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 52.982 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion: 97 Resp: 233484
Ion Ratio Lower Upper
97 100
99 63.5 51.3 76.9
61 44.2 36.7 55.1



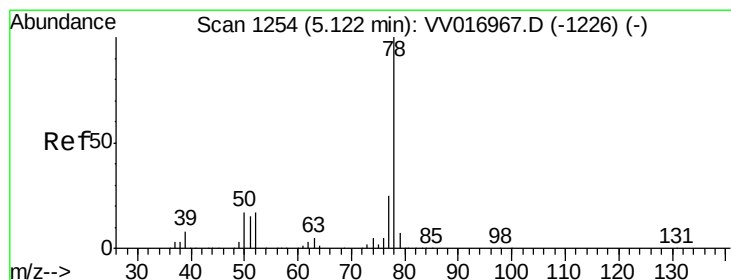
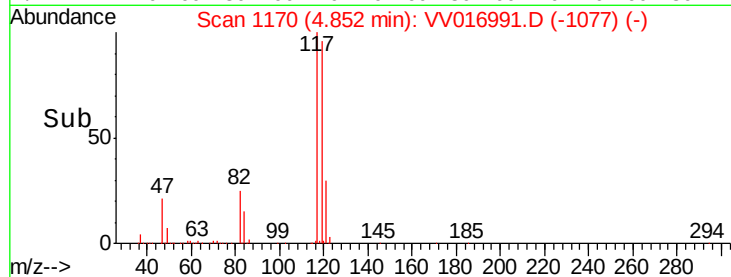
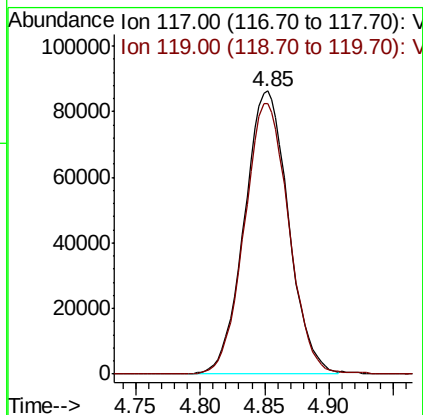
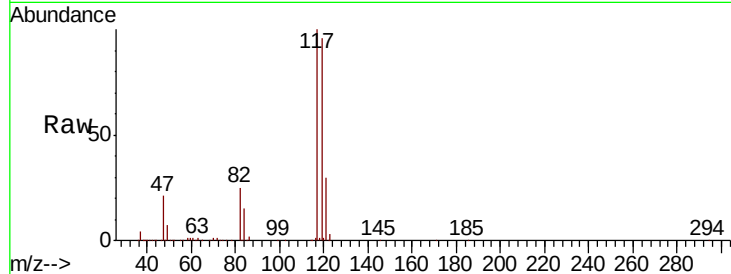


#31

Carbon tetrachloride
 Concen: 53.996 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

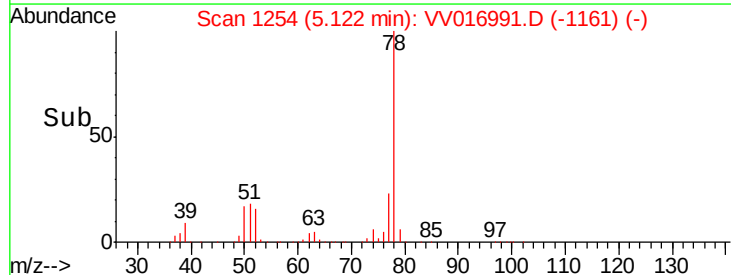
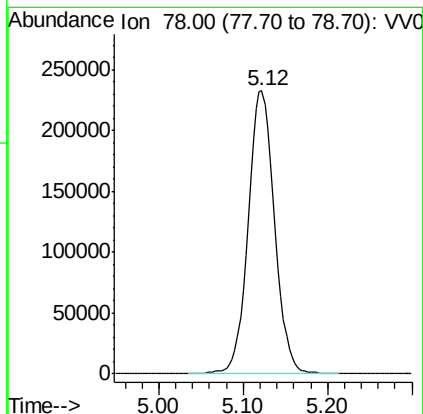
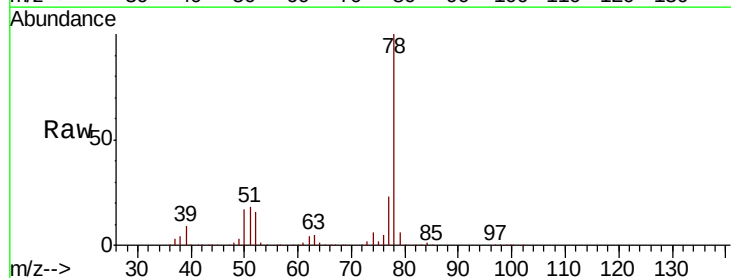
Tot Ion:117 Resp: 205853
 Ion Ratio Lower Upper
 117 100
 119 96.1 77.4 116.2

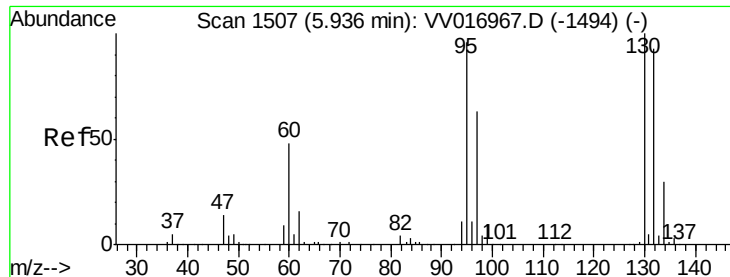


#33

Benzene
 Concen: 49.543 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Tgt Ion: 78 Resp: 506531





#34

Trichloroethene

Concen: 51.138 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

VSTD05098

Tot Ion: 95 Resp: 140222

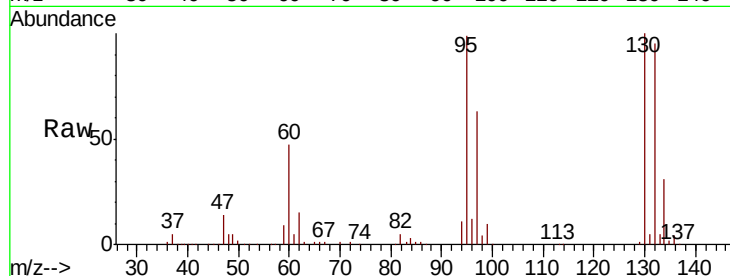
Ion Ratio Lower Upper

95 100

97 63.5 44.3 82.3

132 96.3 67.9 126.1

130 101.3 72.2 134.2

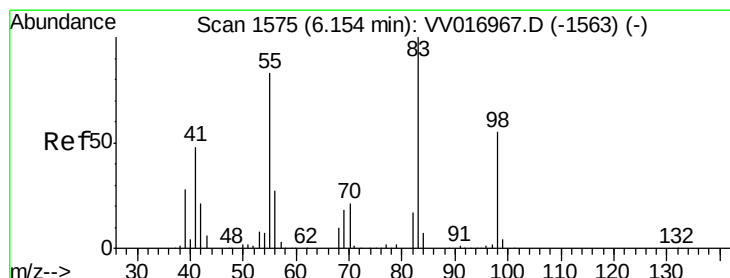
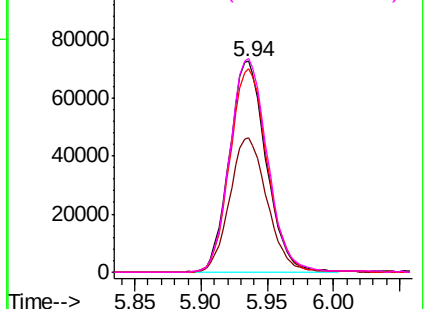
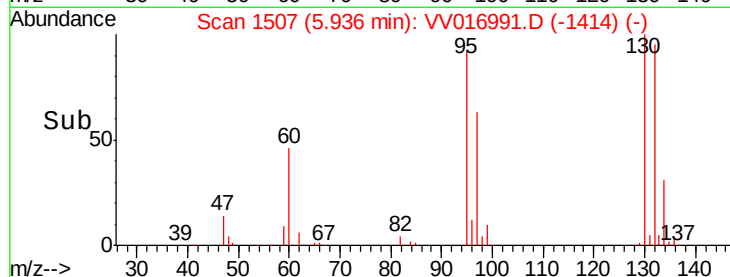


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.390 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

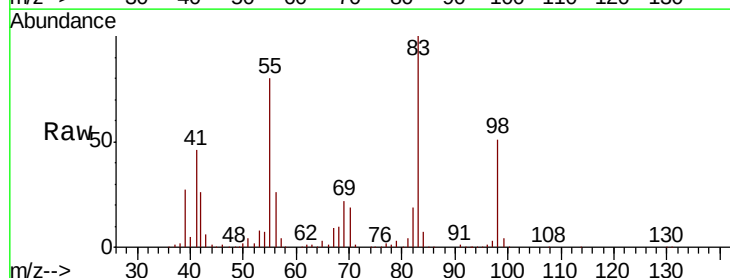
Tgt Ion: 83 Resp: 208160

Ion Ratio Lower Upper

83 100

55 78.5 64.2 96.2

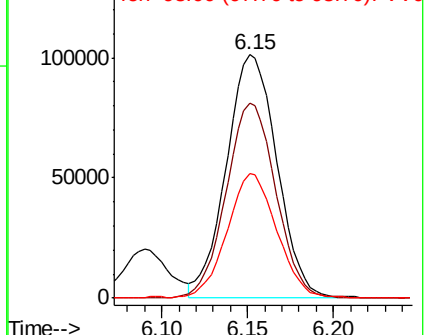
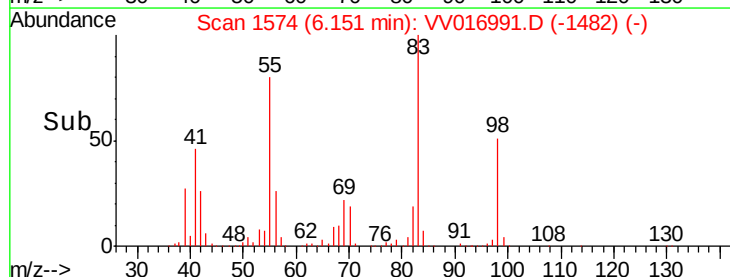
98 49.3 40.3 60.5

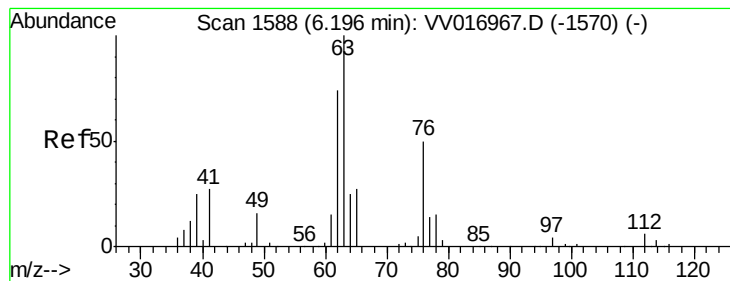


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.418 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

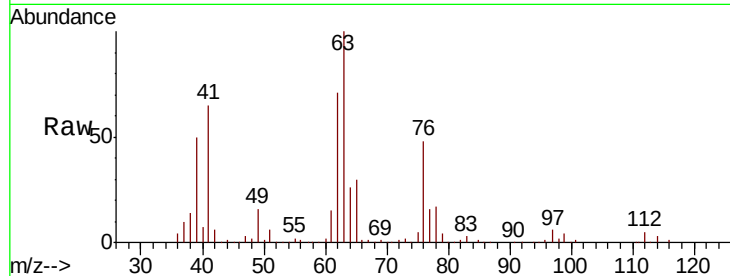
VSTD05098

Tot Ion: 63 Resp: 131394

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV016967.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV016967.D (-1570) (-)

6.19

60000

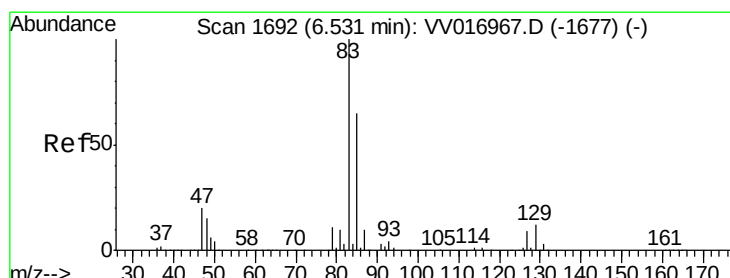
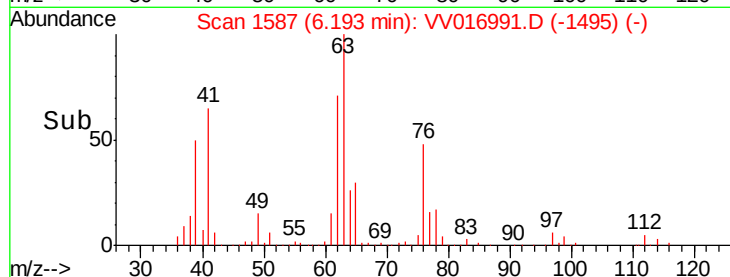
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 52.102 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

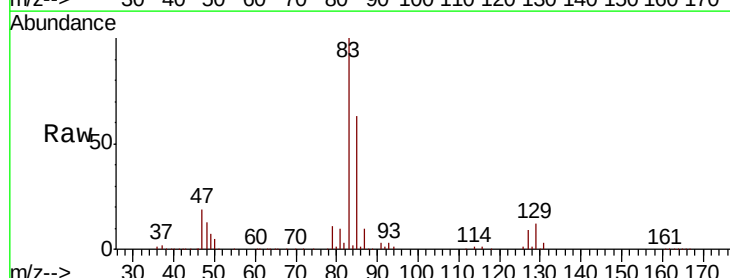
Tgt Ion: 83 Resp: 184412

Ion Ratio Lower Upper

83 100

85 63.0 44.4 82.5

127 9.1 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV016967.D (-1677) (-)

Ion 85.00 (84.70 to 85.70): VV016967.D (-1677) (-)

Ion 127.00 (126.70 to 127.70): VV016967.D (-1677) (-)

6.53

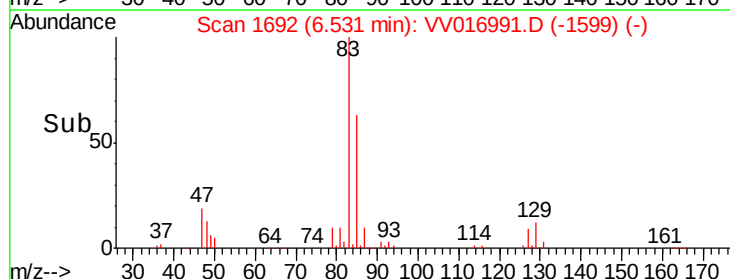
100000

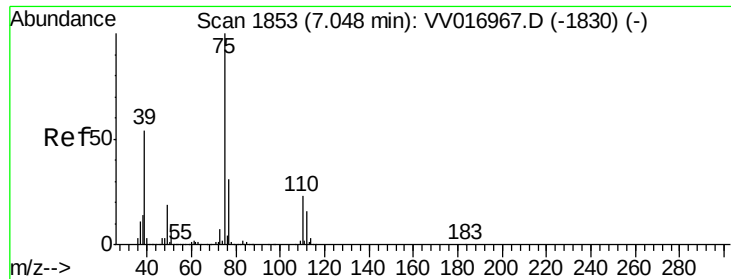
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->

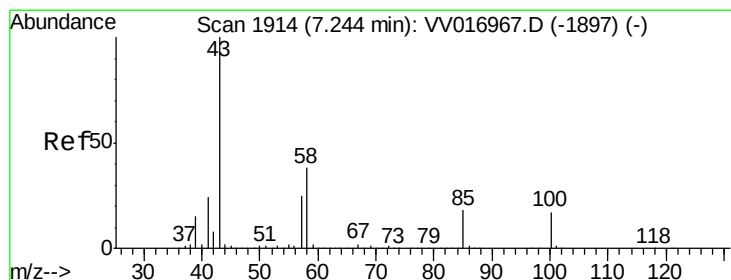
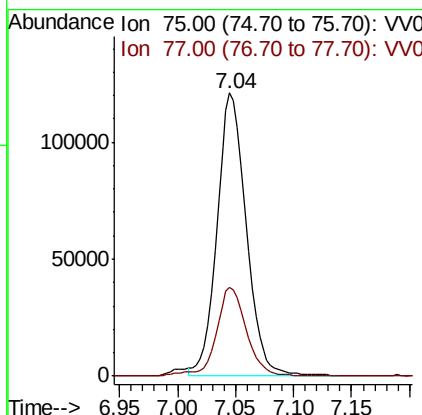
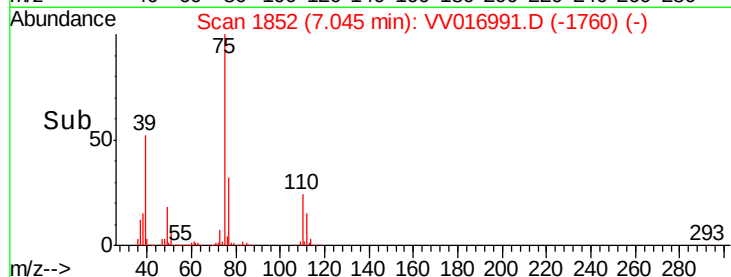
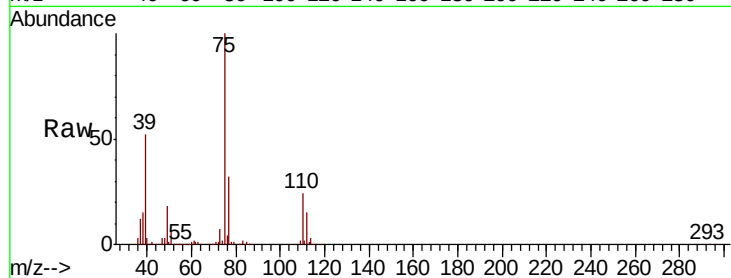




#39
 cis-1,3-Dichloropropene
 Concen: 51.435 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

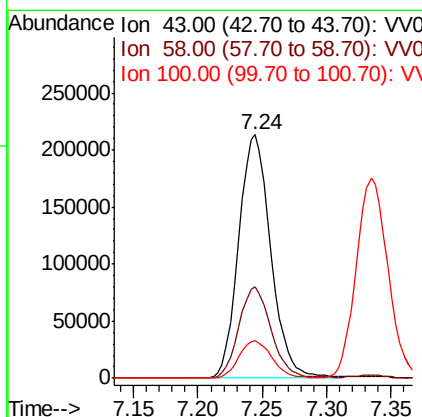
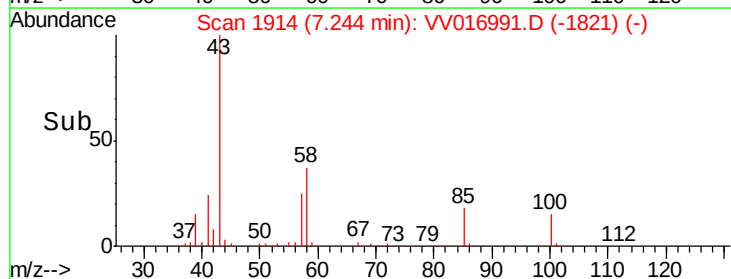
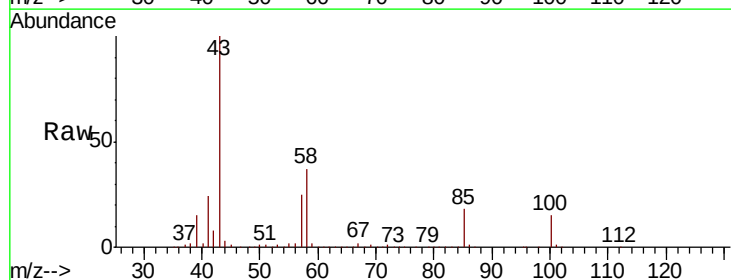
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

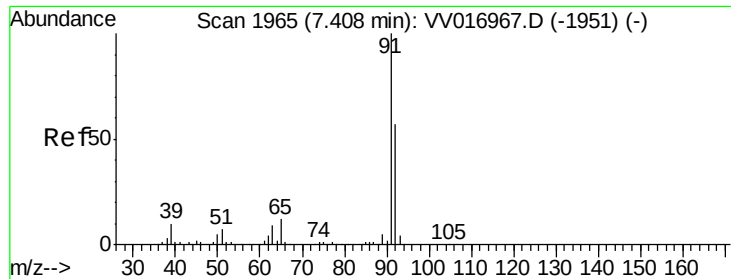
Tot Ion: 75 Resp: 212431
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 98.163 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Tgt Ion: 43 Resp: 369843
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.4
 100 15.8 12.3 18.5





#42

Toluene

Concen: 50.170 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

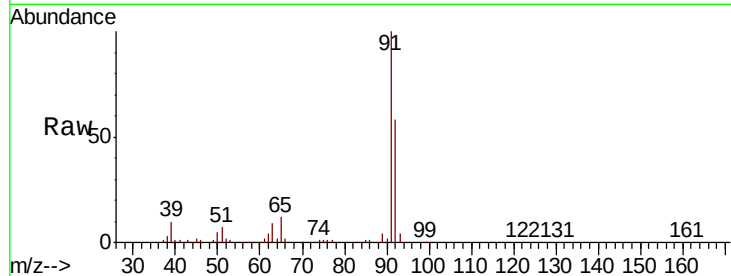
VSTD05098

Tot Ion: 91 Resp: 540733

Ion Ratio Lower Upper

91 100

92 58.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

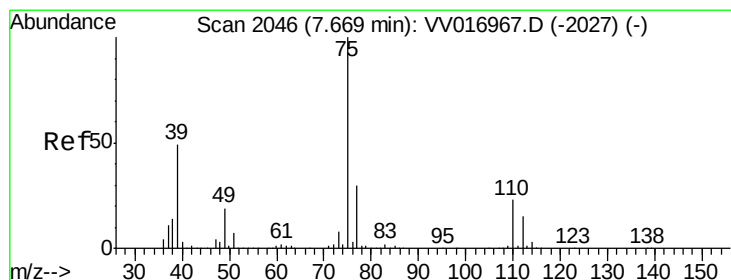
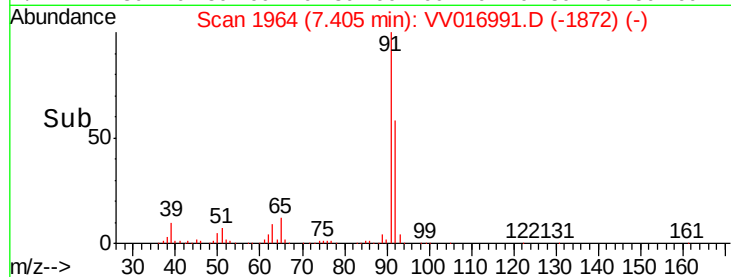
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.689 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV016991.D

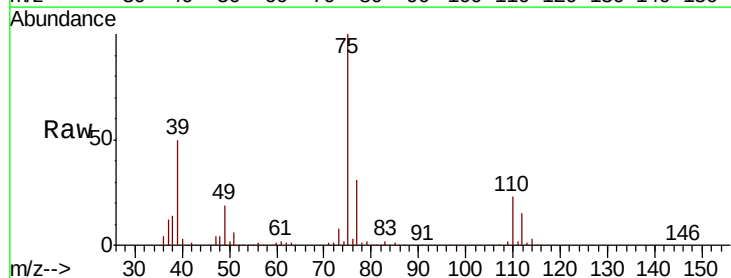
Acq: 19 Jun 2020 09:38

Tgt Ion: 75 Resp: 211557

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

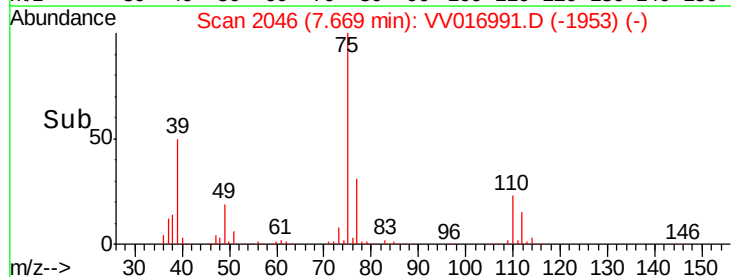
150000

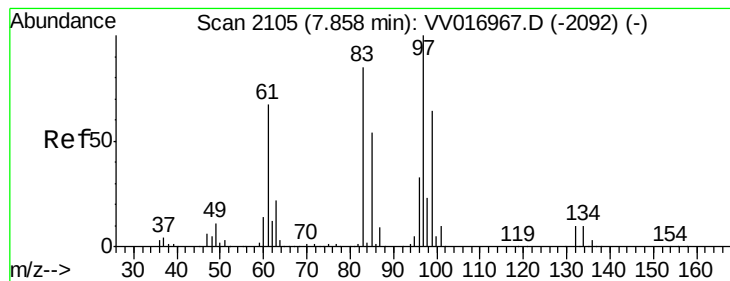
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 49.760 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion: 97 Resp: 127644

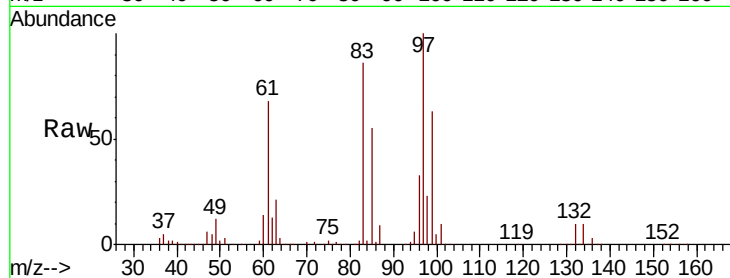
Ion Ratio Lower Upper

97 100

99 63.0 44.3 82.3

83 85.8 60.0 111.4

85 55.4 39.5 73.3



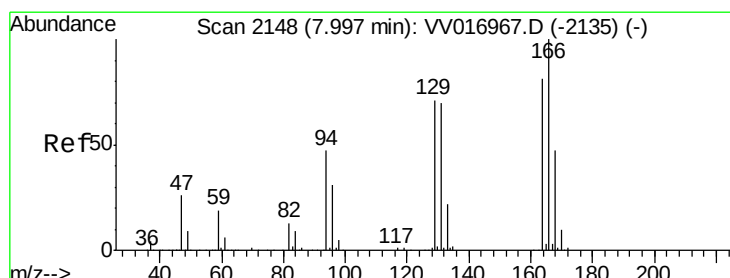
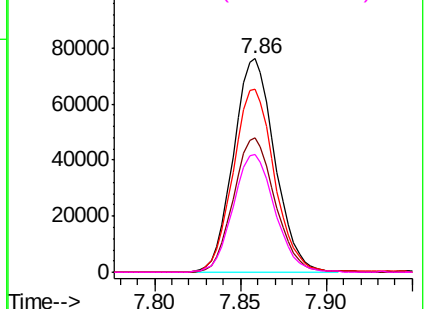
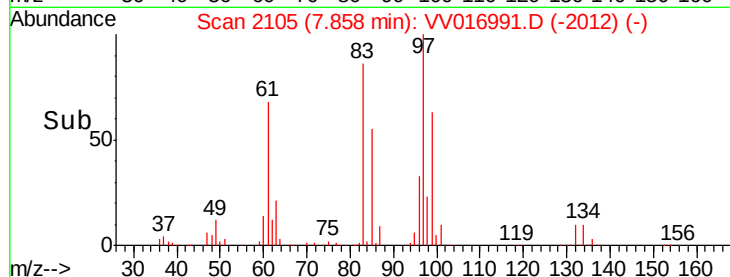
Abundance

Ion 97.00 (96.70 to 97.70): VV016991.D (-2092) (-)

Ion 99.00 (98.70 to 99.70): VV016991.D (-2092) (-)

Ion 83.00 (82.70 to 83.70): VV016991.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV016991.D (-2092) (-)



#46

Tetrachloroethene

Concen: 51.933 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Tgt Ion: 164 Resp: 111996

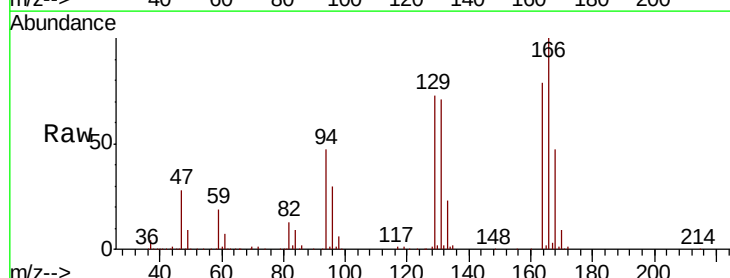
Ion Ratio Lower Upper

164 100

129 92.1 67.0 124.4

131 90.1 64.8 120.3

166 126.7 90.4 167.8



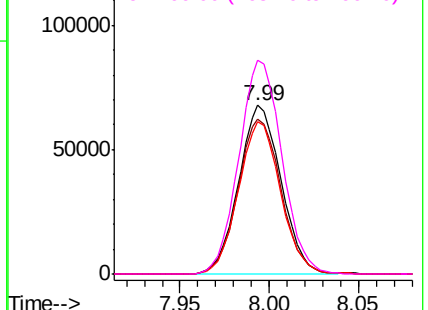
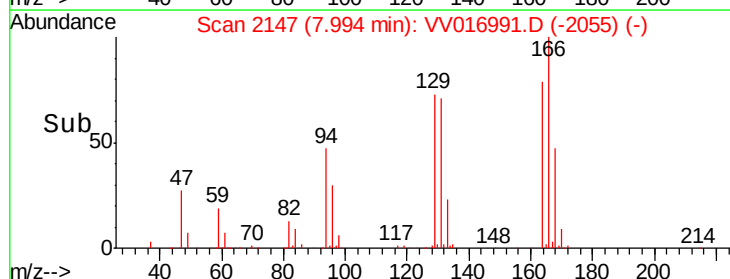
Abundance

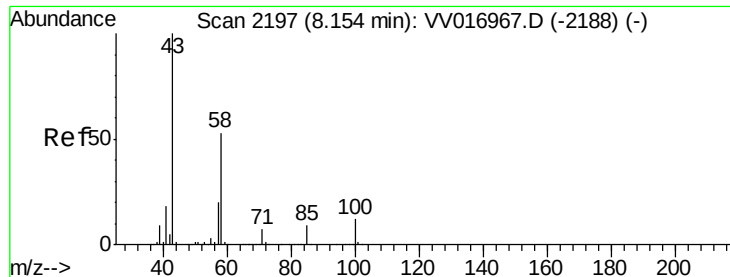
Ion 164.00 (163.70 to 164.70): VV016991.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV016991.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV016991.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV016991.D (-2055) (-)

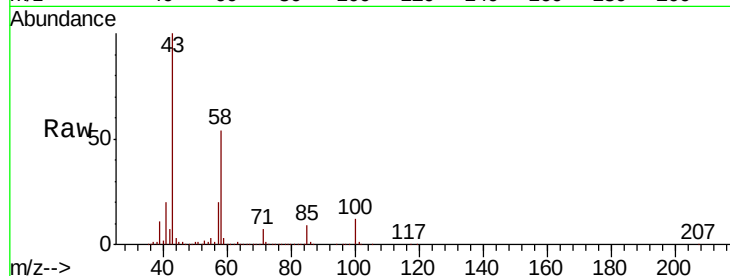




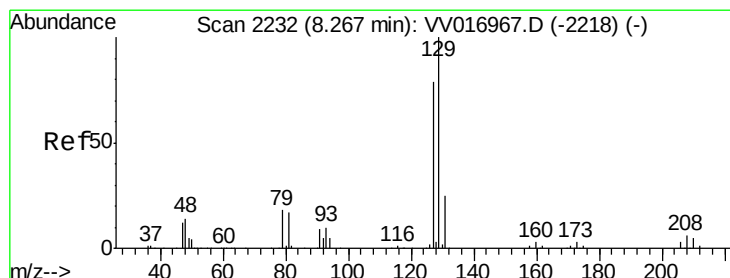
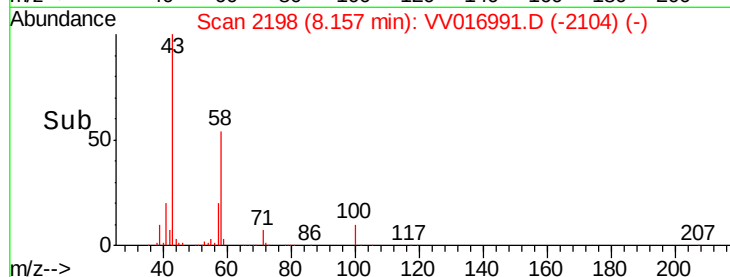
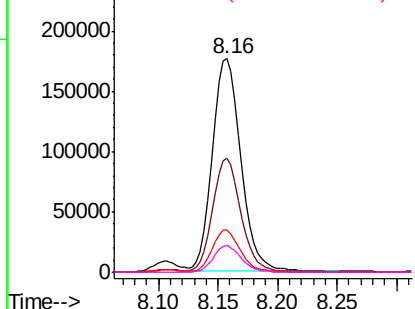
#48
2-Hexanone
Concen: 100.718 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion: 43 Resp: 294227
Ion Ratio Lower Upper
43 100
58 52.3 43.1 64.7
57 19.8 15.3 22.9
100 12.2 10.0 15.0

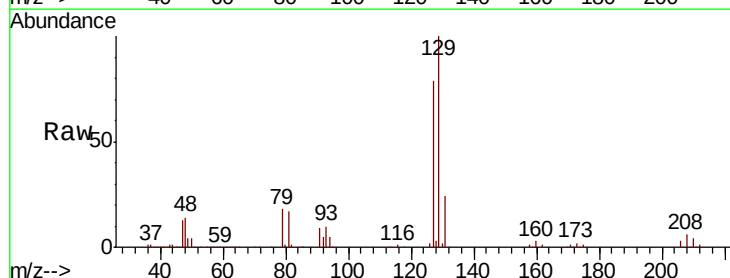


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

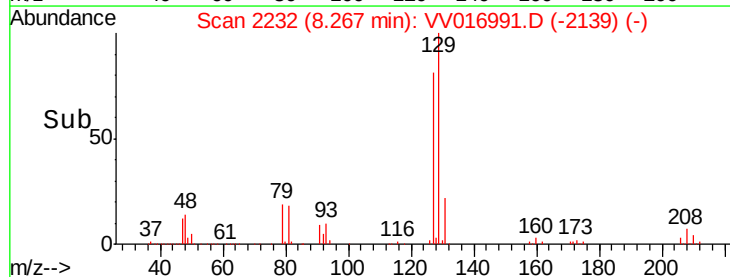
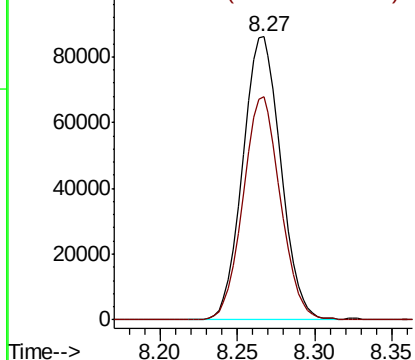


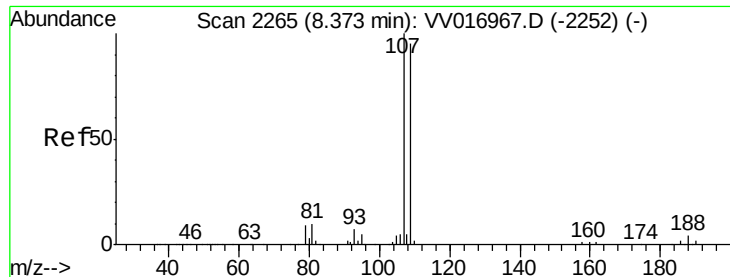
#49
Dibromochloromethane
Concen: 53.795 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion: 129 Resp: 147544
Ion Ratio Lower Upper
129 100
127 78.7 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

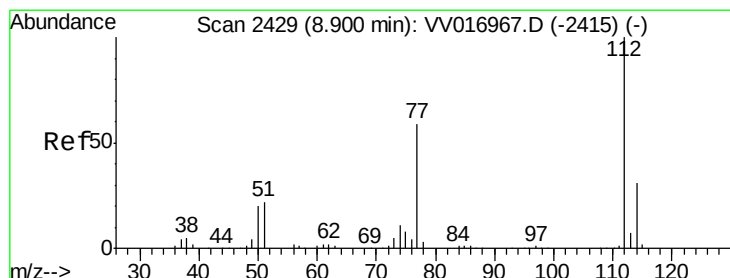
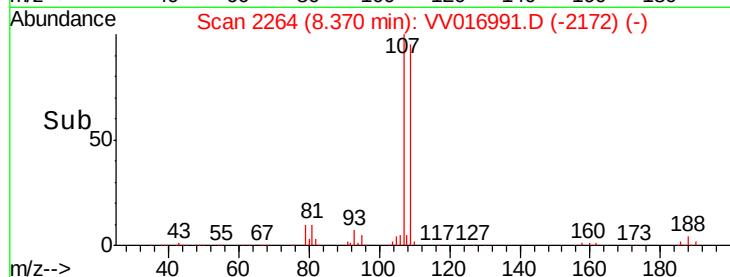
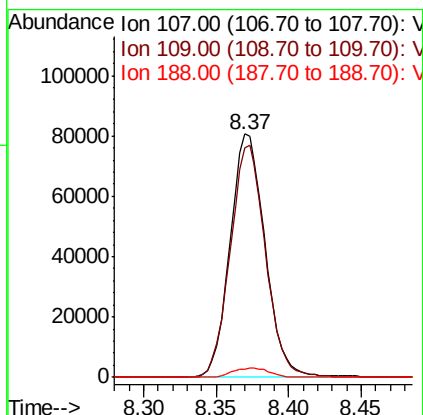
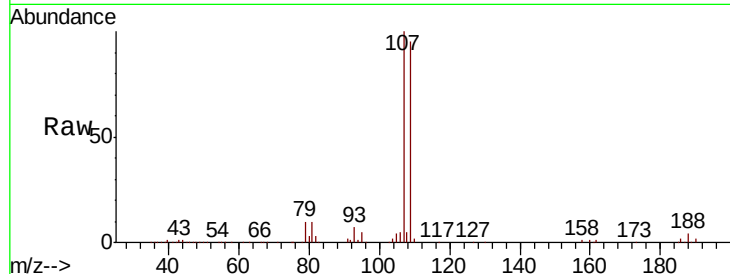




#50
 1,2-Dibromoethane
 Concen: 50.189 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

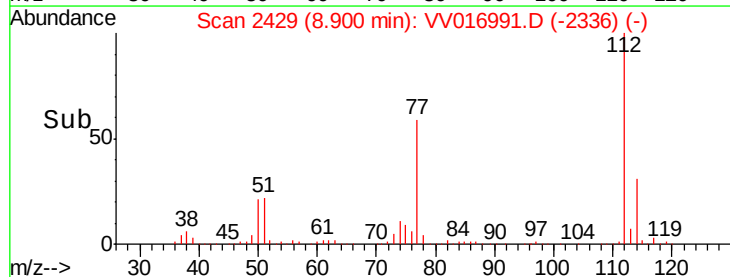
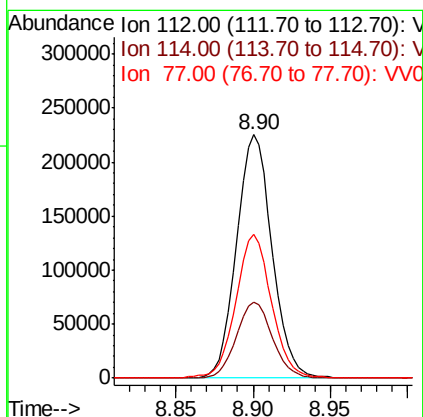
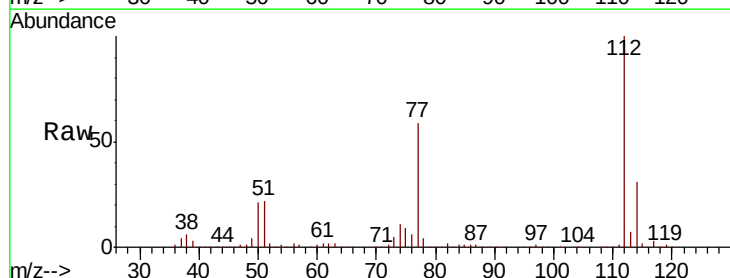
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

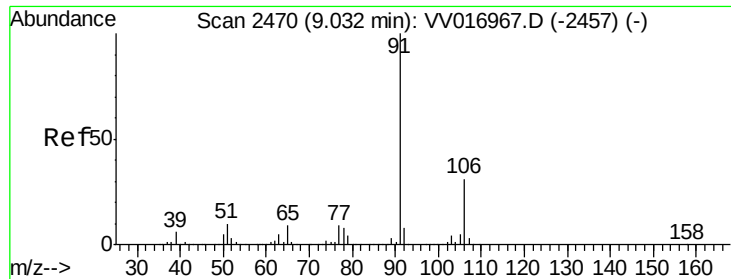
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.4	123.2
188	3.7	3.1	4.7



#51
 Chlorobenzene
 Concen: 50.898 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.3	41.3
77	58.9	47.9	71.9





#52

Ethylbenzene

Concen: 51.258 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

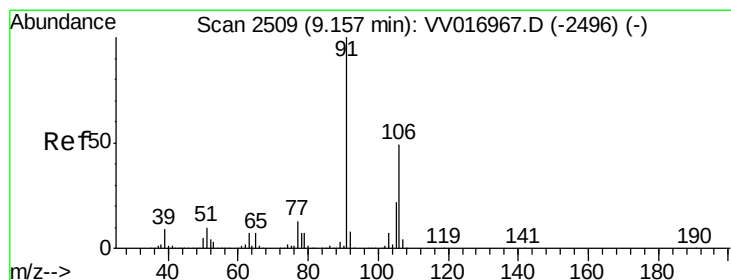
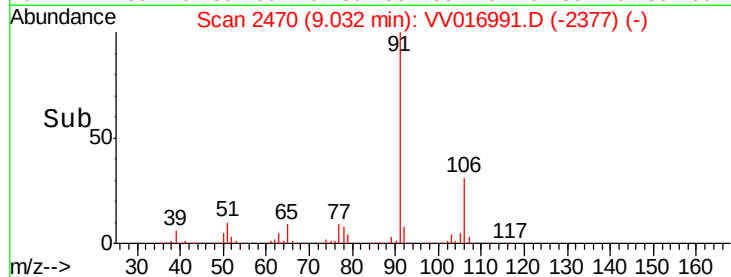
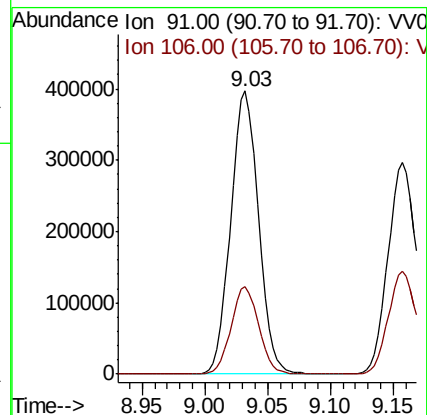
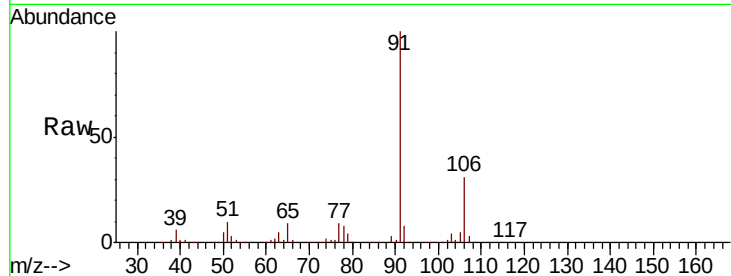
VSTD05098

Tot Ion: 91 Resp: 611919

Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.1



#53

m,p-Xylene

Concen: 52.198 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016991.D

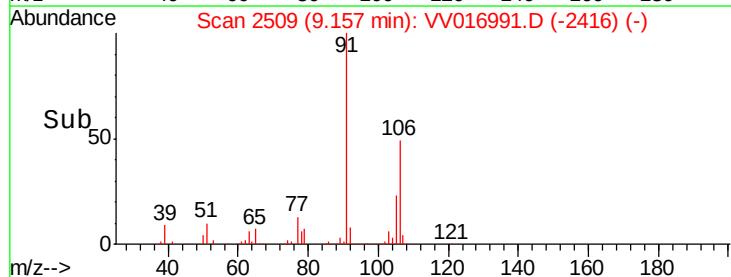
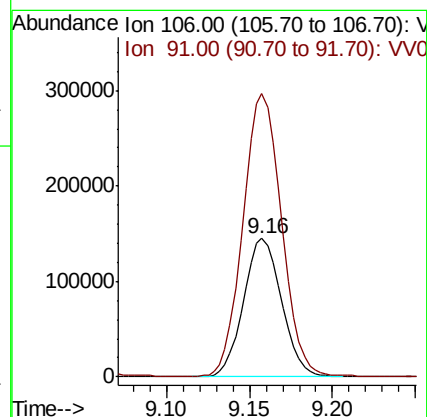
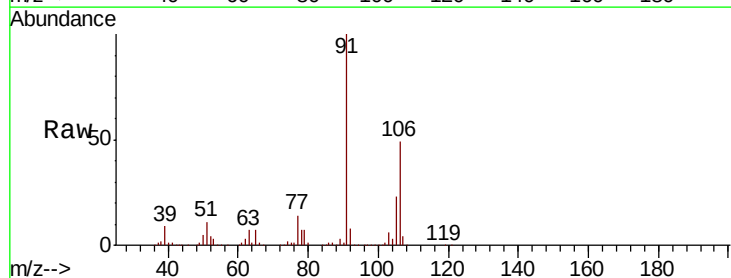
Acq: 19 Jun 2020 09:38

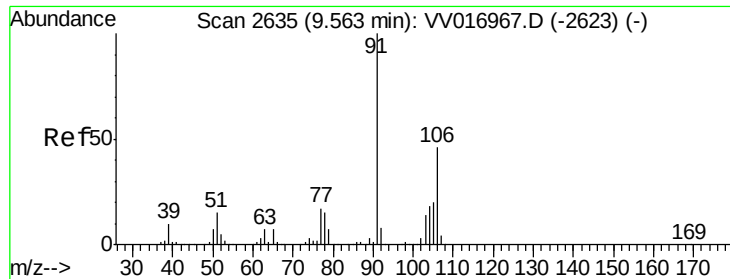
Tgt Ion: 106 Resp: 232016

Ion Ratio Lower Upper

106 100

91 204.5 144.6 268.6





#54

o-xylene

Concen: 50.929 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

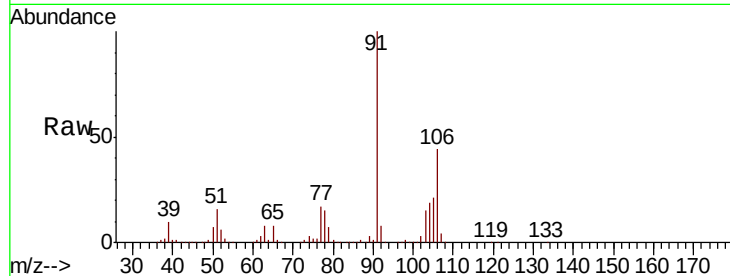
VSTD05098

Tot Ion:106 Resp: 223263

Ion Ratio Lower Upper

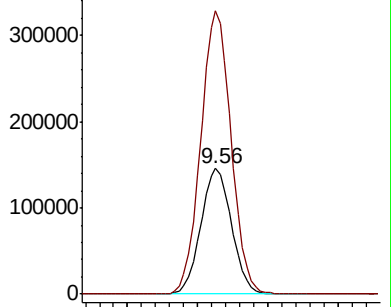
106 100

91 225.7 155.9 289.5

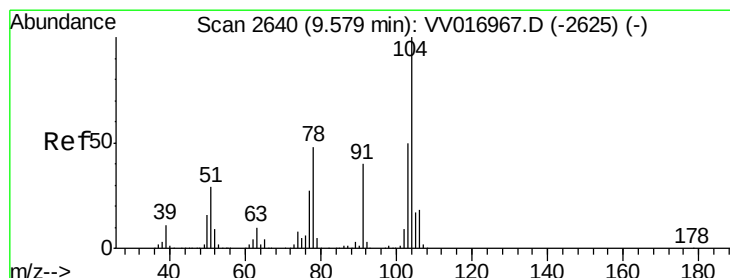
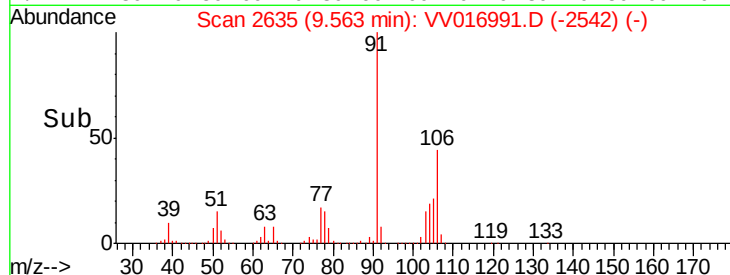


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 53.121 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV016991.D

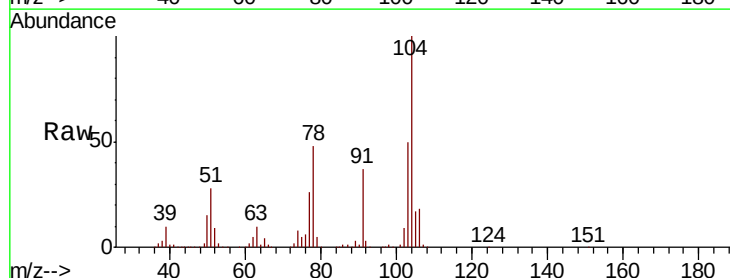
Acq: 19 Jun 2020 09:38

Tgt Ion:104 Resp: 393715

Ion Ratio Lower Upper

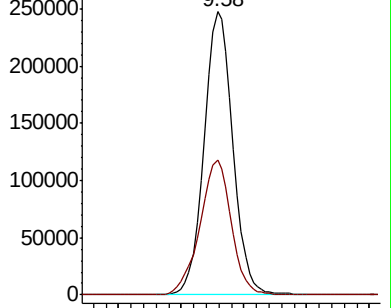
104 100

78 47.6 32.6 60.6

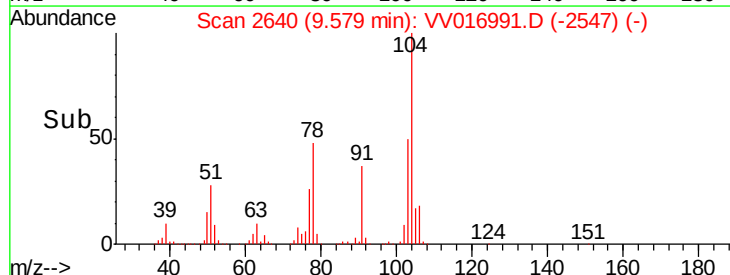


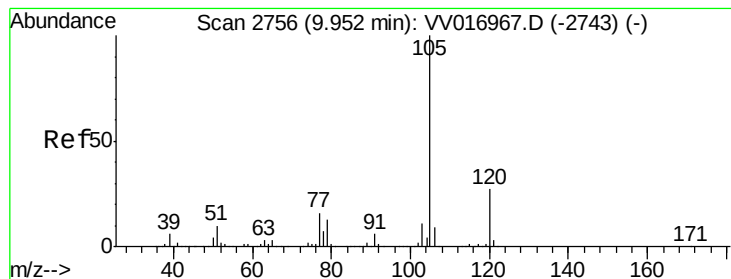
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 52.790 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

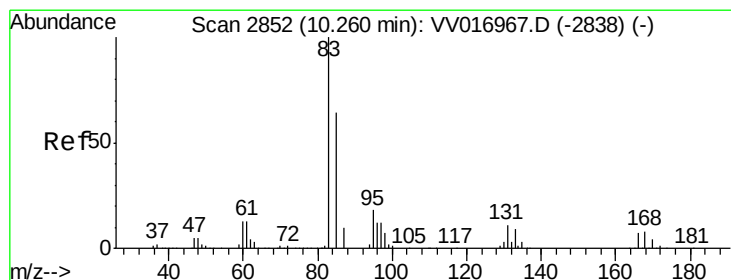
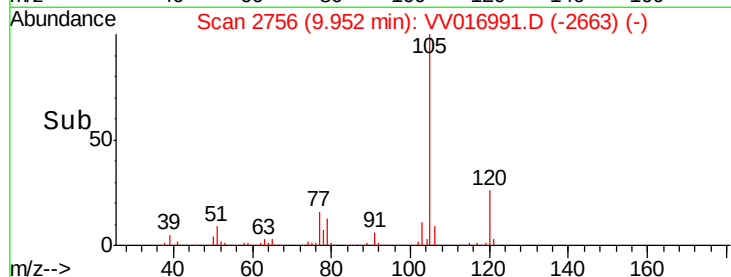
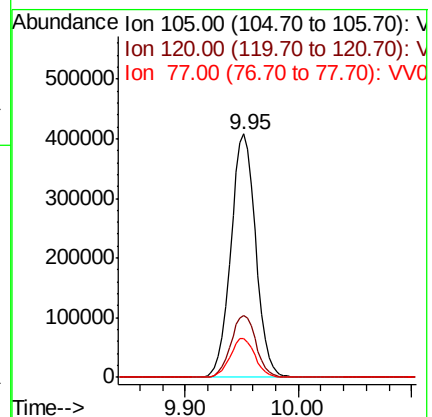
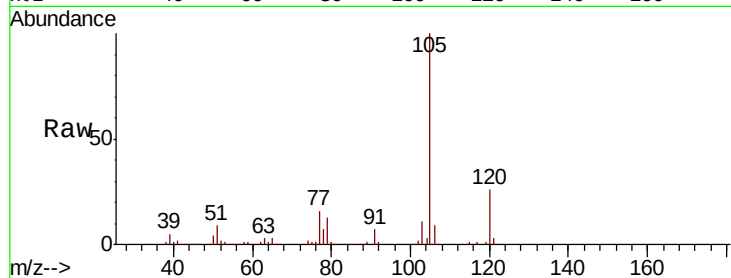
Tot Ion:105 Resp: 621824

Ion Ratio Lower Upper

105 100

120 25.9 21.2 31.8

77 16.0 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 46.934 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

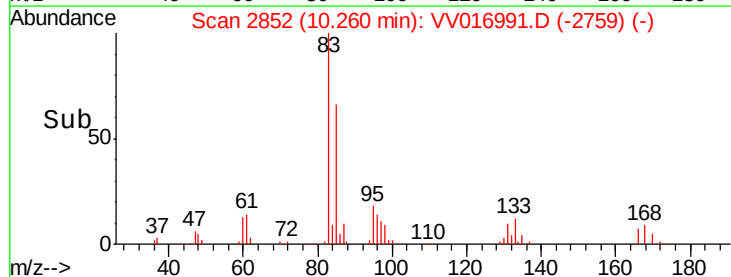
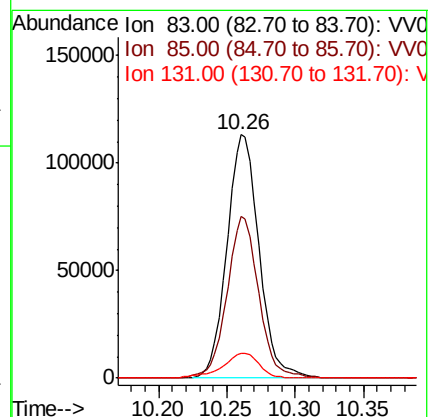
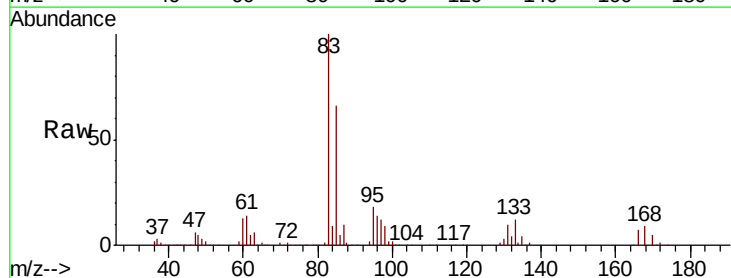
Tgt Ion: 83 Resp: 184591

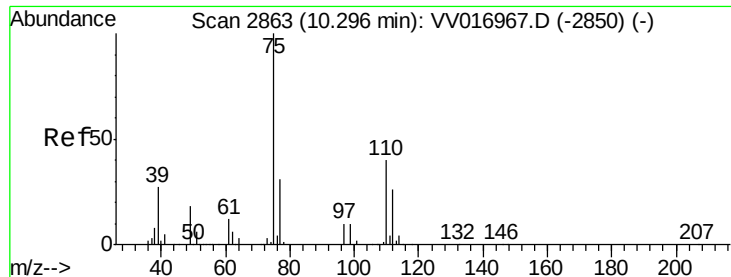
Ion Ratio Lower Upper

83 100

85 66.4 46.8 86.8

131 9.9 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 49.628 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

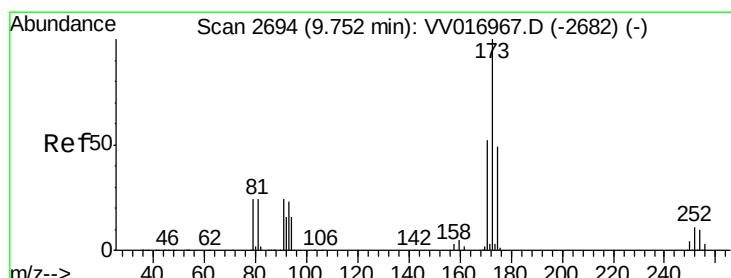
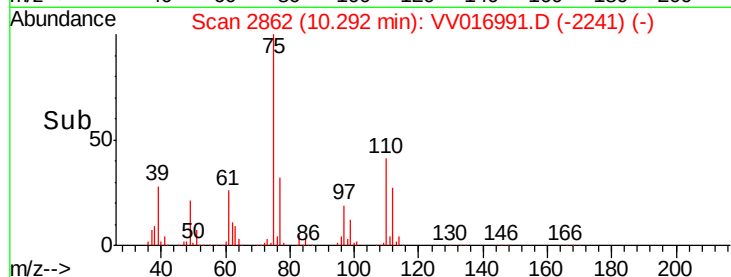
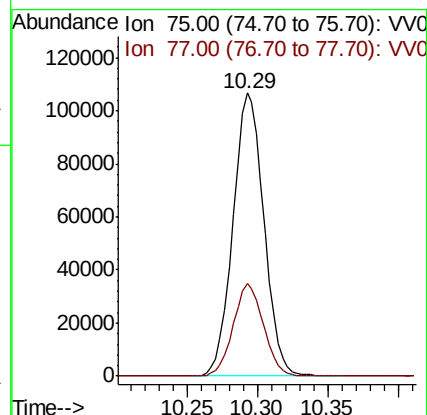
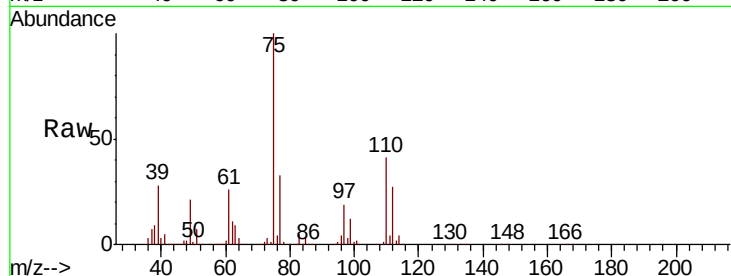
VSTD05098

Tot Ion: 75 Resp: 163716

Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1



#61

Bromoform

Concen: 53.805 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

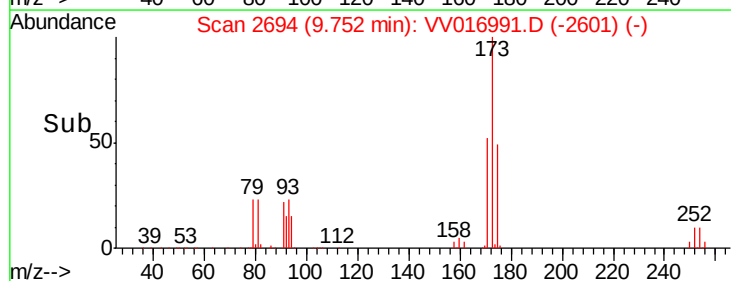
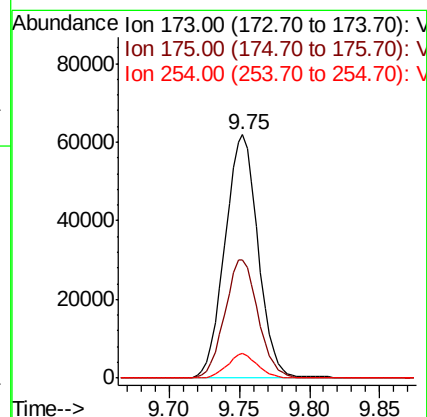
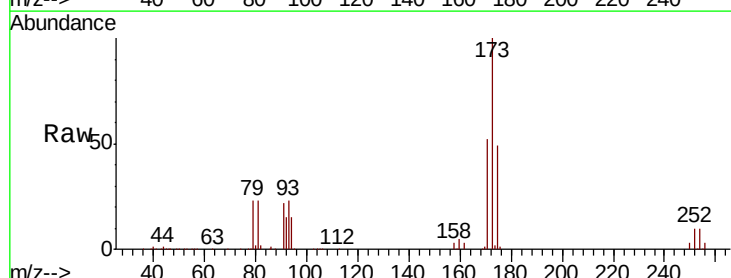
Tgt Ion: 173 Resp: 101305

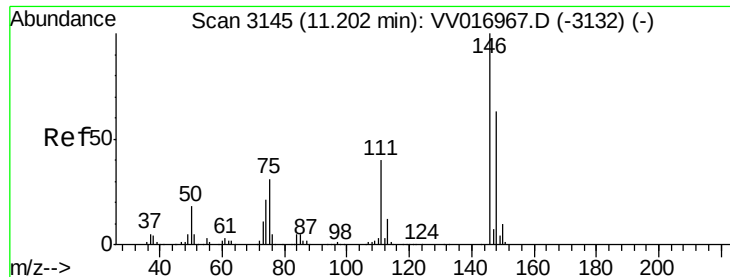
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 9.4 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 51.075 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleID :

VSTD05098

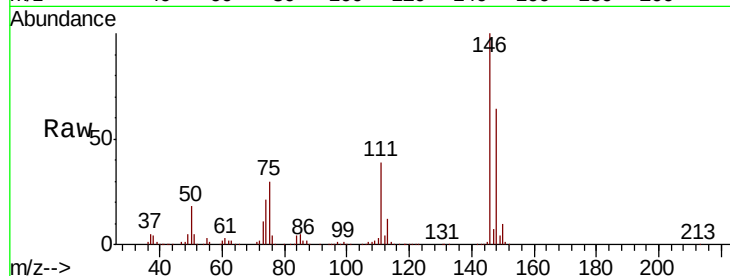
Tot Ion:146 Resp: 296124

Ion Ratio Lower Upper

146 100

111 38.9 28.3 52.7

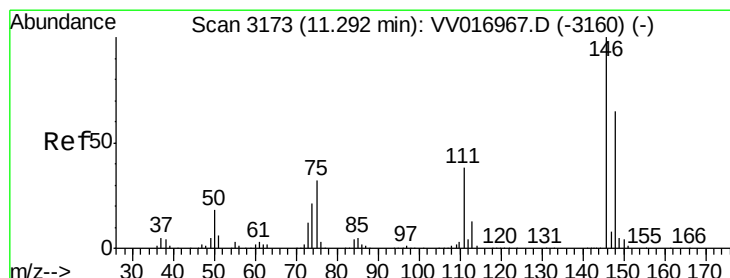
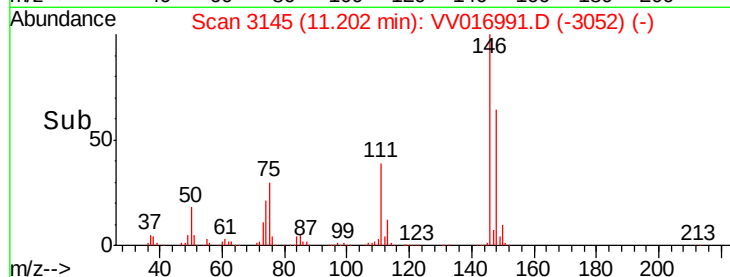
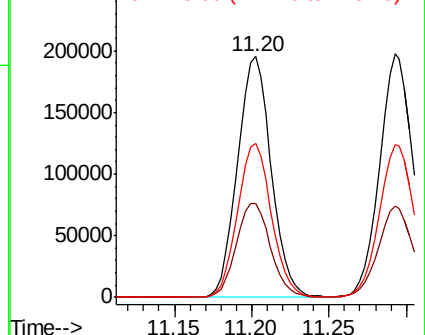
148 63.9 44.2 82.2



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: 50.853 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

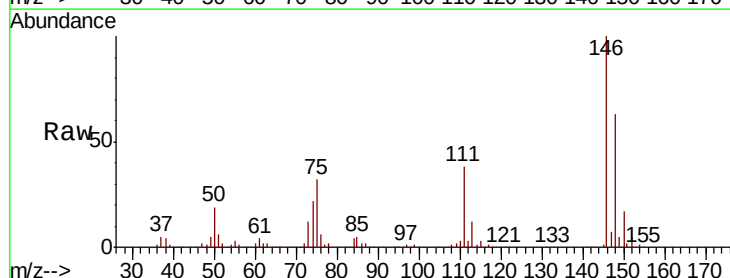
Tgt Ion:146 Resp: 299984

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

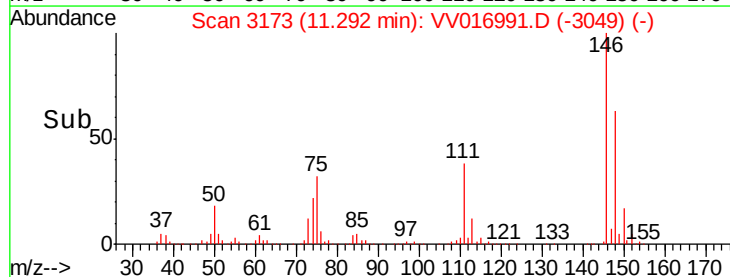
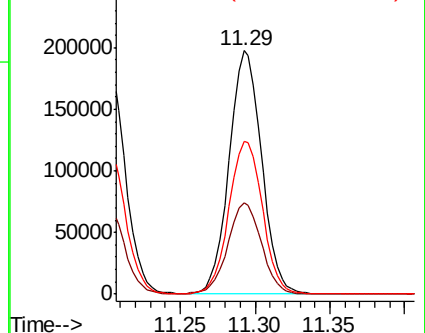
148 62.9 43.5 80.9

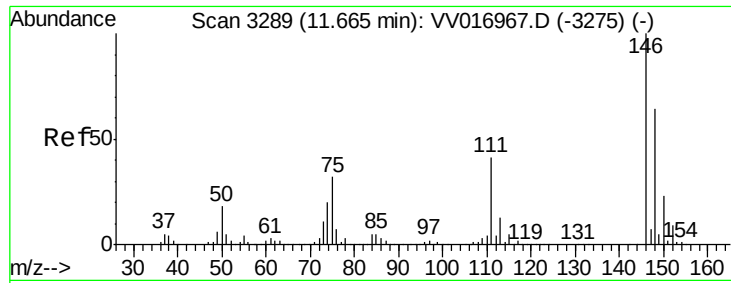


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.424 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

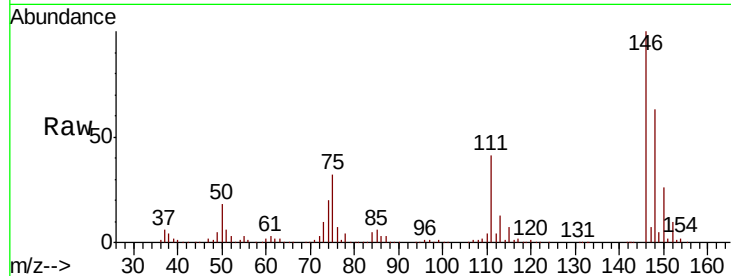
Tot Ion:146 Resp: 298787

Ion Ratio Lower Upper

146 100

111 41.2 33.7 50.5

148 63.1 50.7 76.1

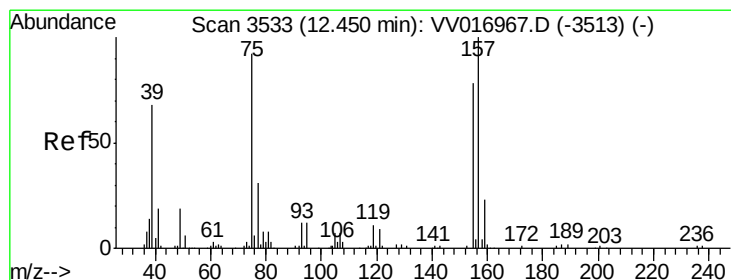
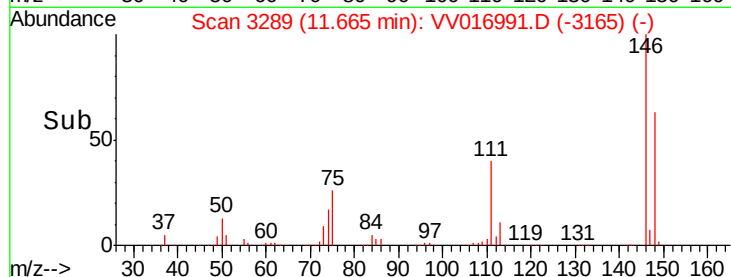
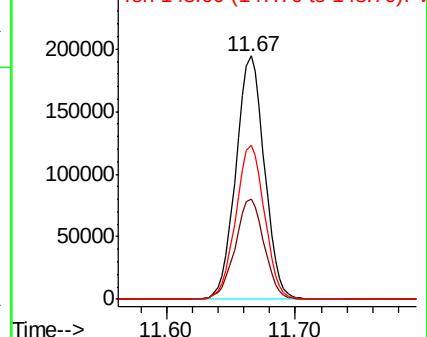


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 45.784 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

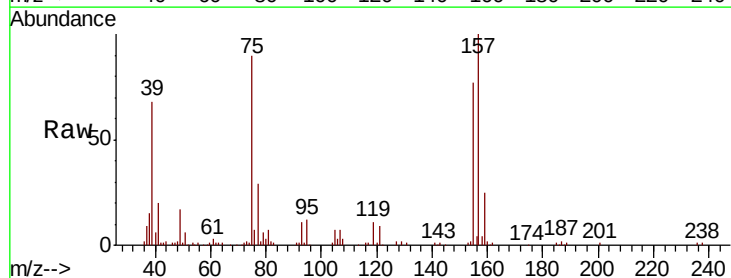
Tgt Ion: 75 Resp: 41829

Ion Ratio Lower Upper

75 100

155 85.7 69.8 104.6

157 111.6 83.4 125.2

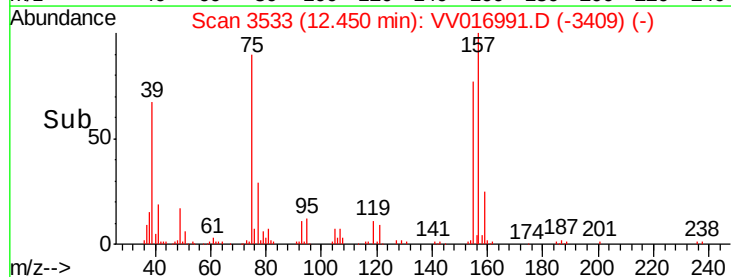
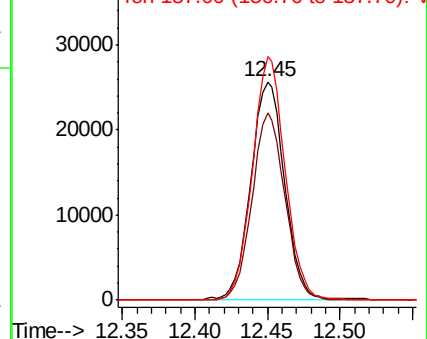


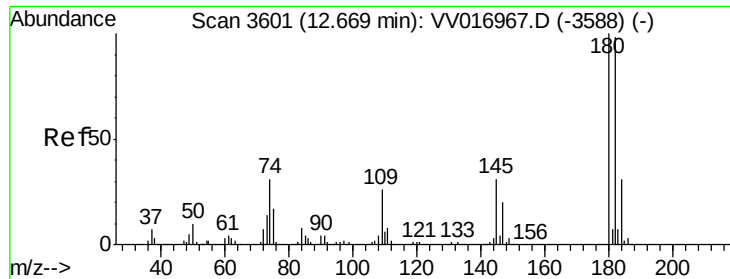
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

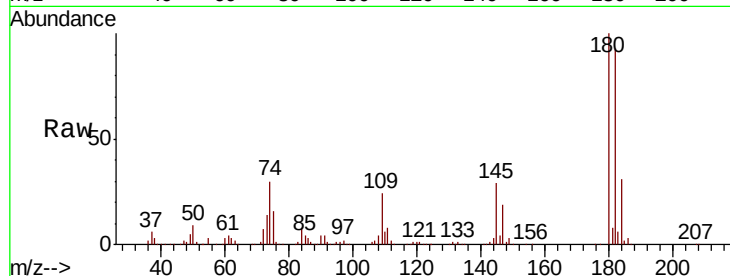




#67
 1,3,5-Trichlorobenzene
 Concen: 51.774 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
184	30.7	24.5	36.7
145	29.9	24.4	36.6



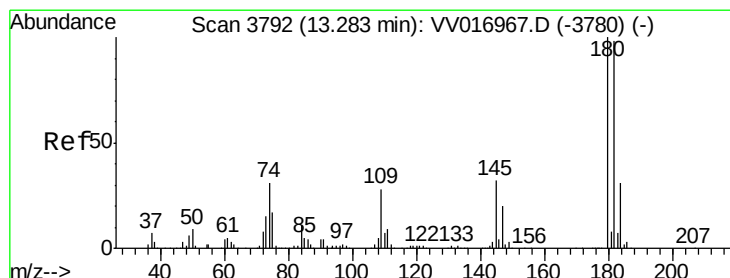
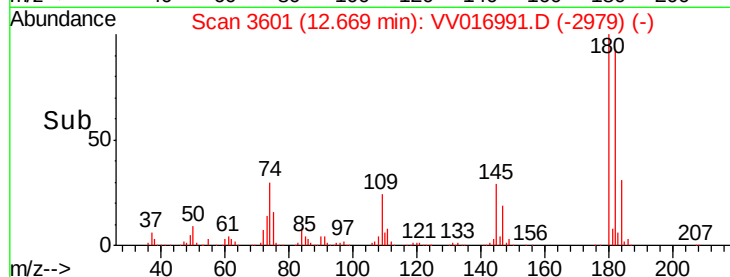
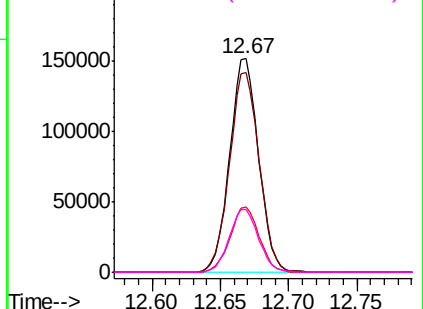
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

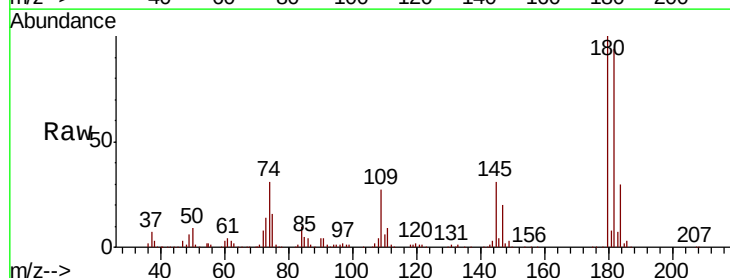
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.389 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
145	31.0	25.2	37.8

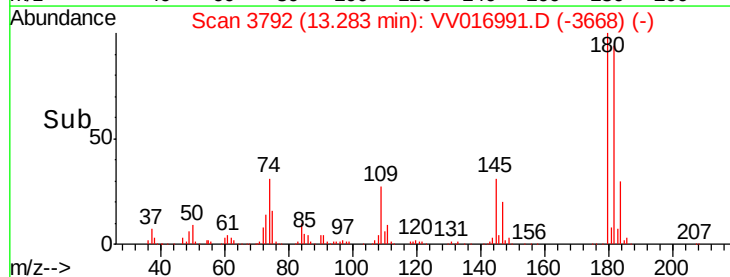
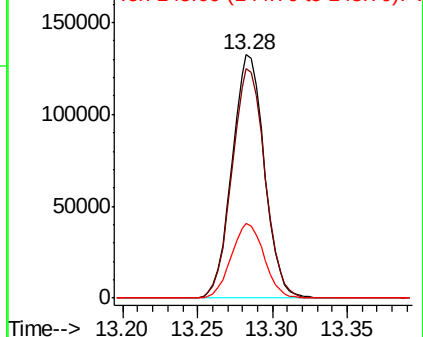


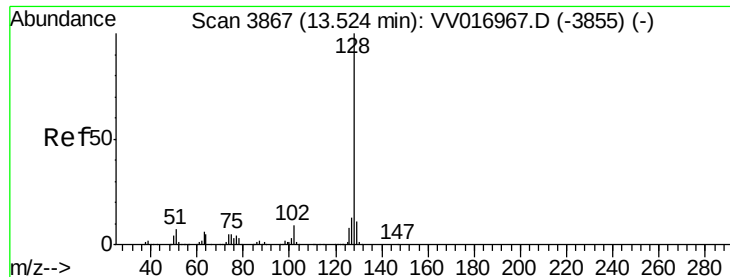
Abundance

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





#69

Naphthalene

Concen: 49.051 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

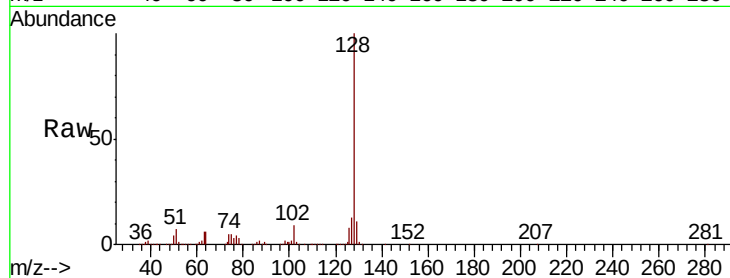
Tot Ion:128 Resp: 559519

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

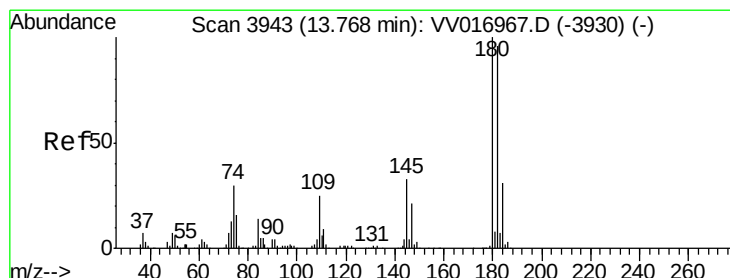
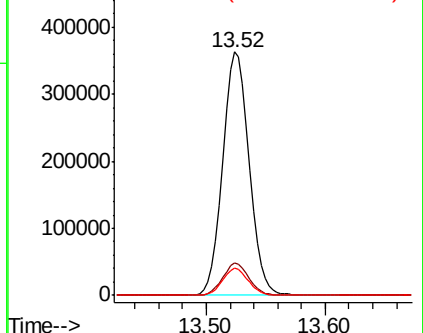
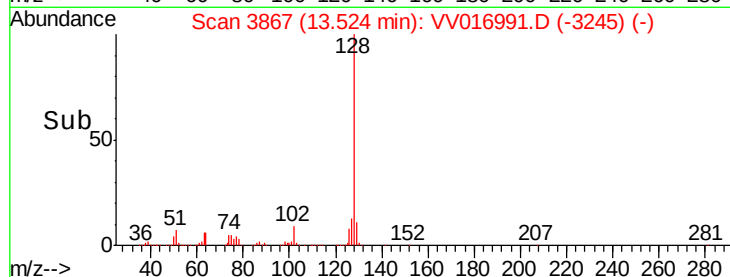
129 10.8 8.7 13.1



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: 50.882 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

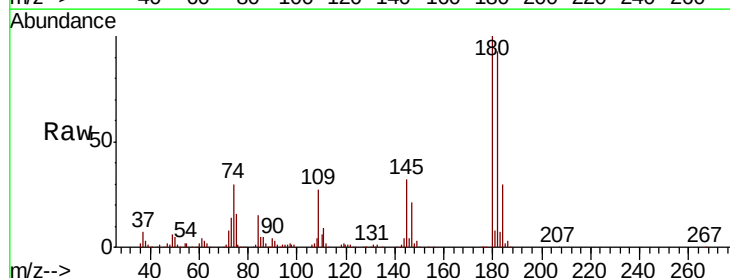
Tgt Ion:180 Resp: 197429

Ion Ratio Lower Upper

180 100

182 93.5 76.5 114.7

145 32.4 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

