

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
 Data File : VX019169.D
 Acq On : 28 Oct 2020 17:27
 Operator : JC/MD
 Sample : VIBLK61
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK61

Quant Time: Oct 29 06:33:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 06:24:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	206217	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	184807	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	84747	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	65719	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.70	69	52648	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.34	63	94107	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.56	46	145125	49.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	5.14	84	116704	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	6.03	65	64037	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	6.05	84	244621	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	7.37	67	70878	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	8.70	98	229946	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.99	79	28581	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	9.43	63	132955	49.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.86%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	51412	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
66) 1,2-Dichlorobenzene-d4	12.36	152	77604	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

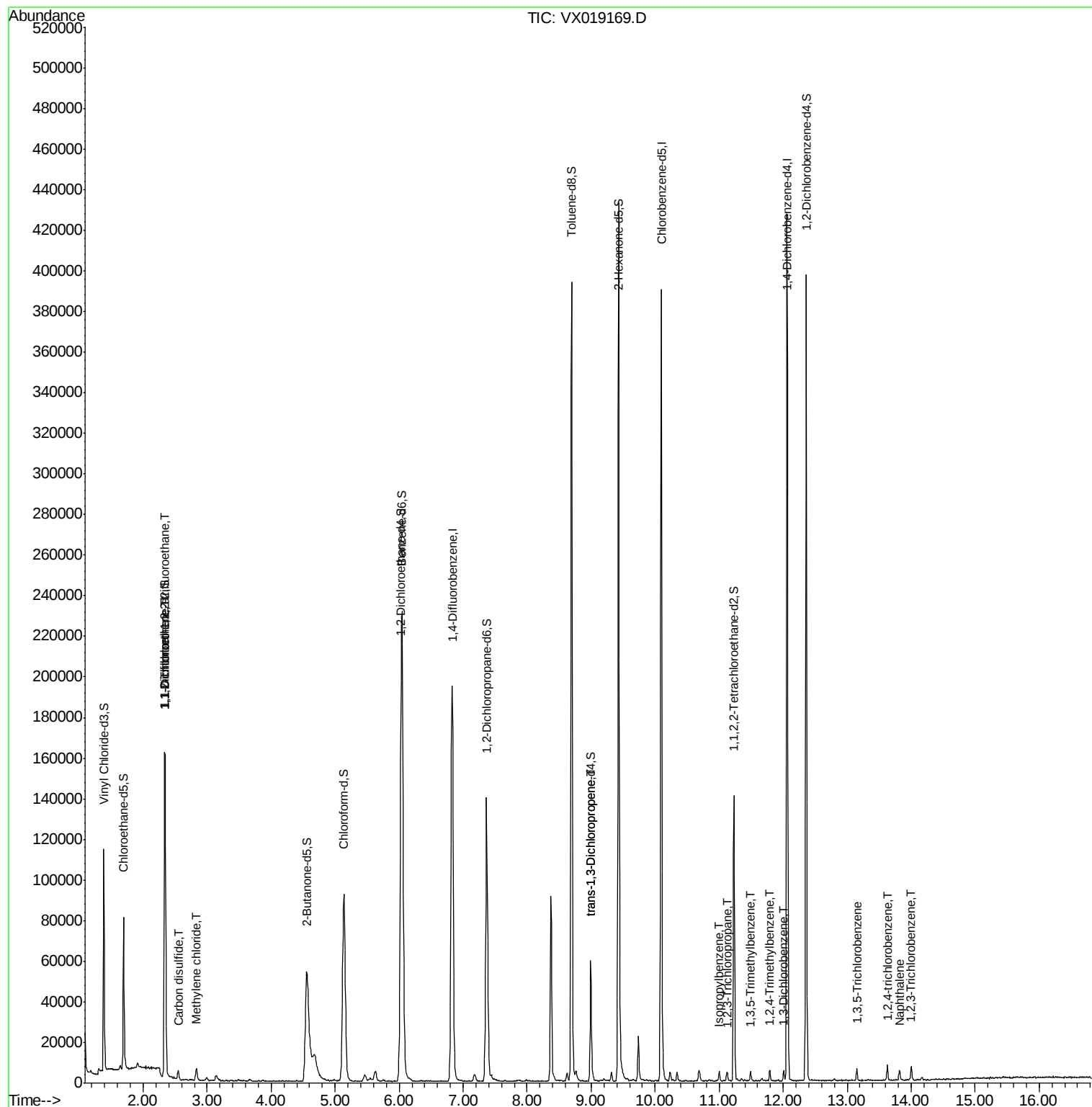
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.35	101	1413	0.104	ug/L #	54
12) 1,1-Dichloroethene	2.35	96	1630	0.123	ug/L #	1
14) Carbon disulfide	2.55	76	5091	0.124	ug/L	98
16) Methylene chloride	2.83	84	2657	0.168	ug/L	91
44) trans-1,3-Dichloropropene	8.99	75	1452	0.087	ug/L #	57
60) Isopropylbenzene	11.00	105	2538	0.041	ug/L	97
61) 1,2,3-Trichloropropane	11.12	75	831	0.109	ug/L #	44
62) 1,3,5-Trimethylbenzene	11.49	105	2004	0.038	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	2436	0.046	ug/L	96
64) 1,3-Dichlorobenzene	12.01	146	1968	0.071	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	1611	0.079	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	2365	0.133	ug/L	90
71) Naphthalene	13.82	128	3703	0.116	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	2029	0.130	ug/L	95

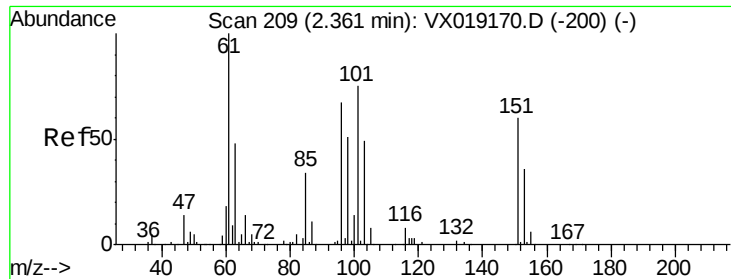
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 29 06:24:00 2020
Response via : Initial Calibration





#10

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

Concen: 0.104 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

Instrument :

MSVOA_X

ClientSampleId :

VIBLK61

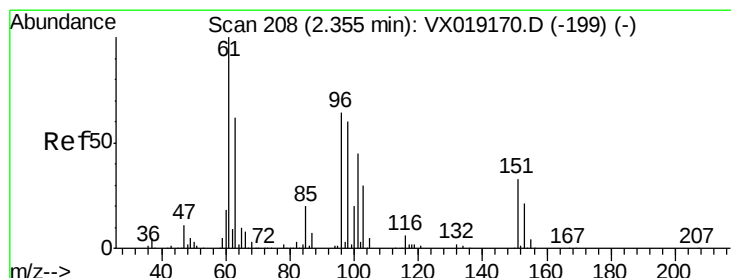
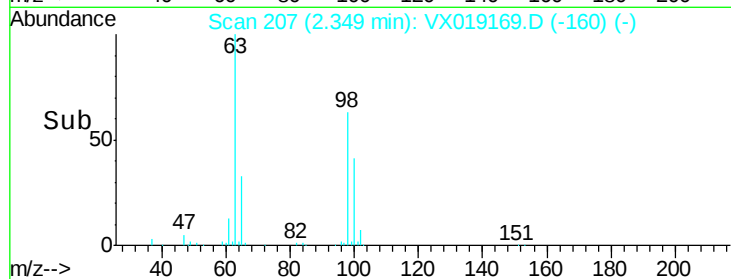
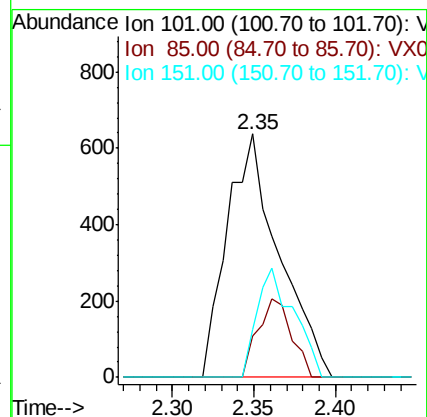
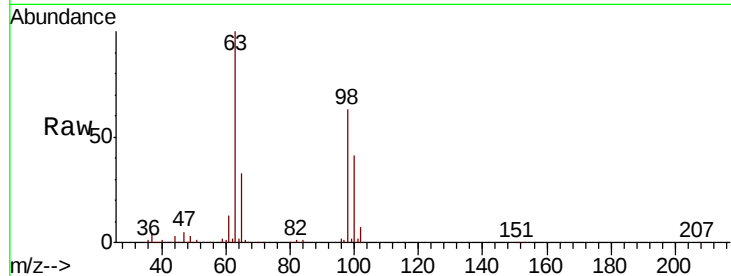
Tot Ion:101 Resp: 1413

Ion Ratio Lower Upper

101 100

85 20.8 35.3 52.9#

151 31.9 60.9 91.3#



#12

1,1-Dichloroethene

Concen: 0.123 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

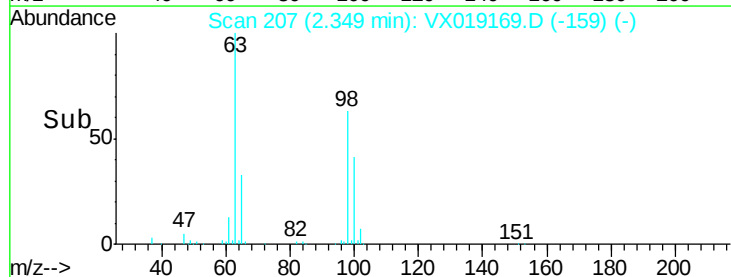
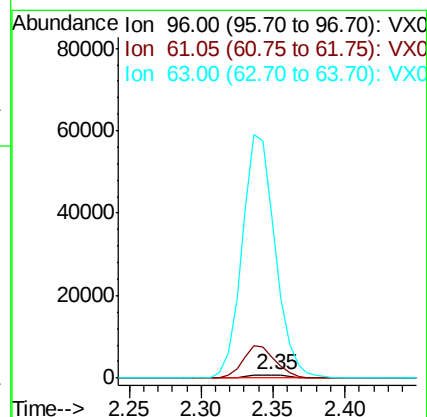
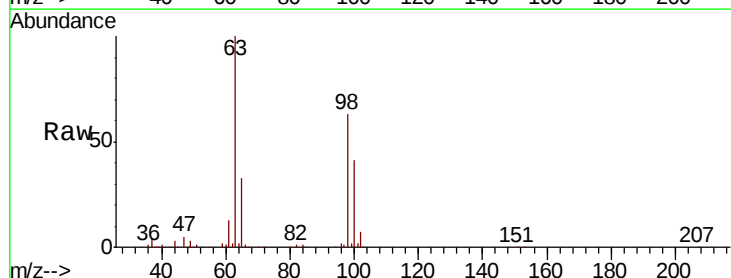
Tgt Ion: 96 Resp: 1630

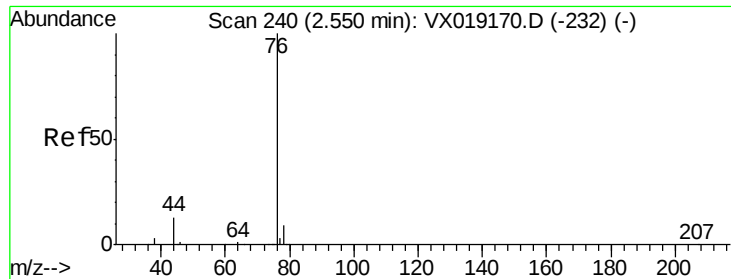
Ion Ratio Lower Upper

96 100

61 693.1 109.5 203.3#

63 5242.2 68.3 126.9#





#14

Carbon disulfide

Concen: 0.124 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

Instrument :

MSVOA_X

ClientSampleId :

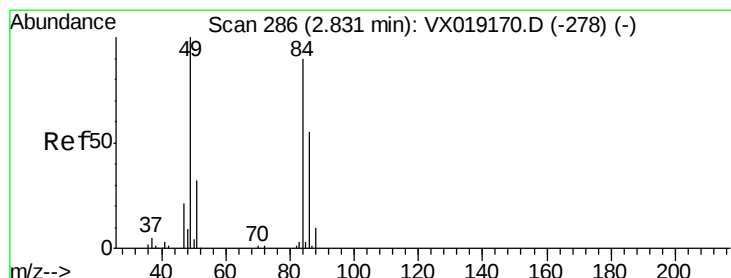
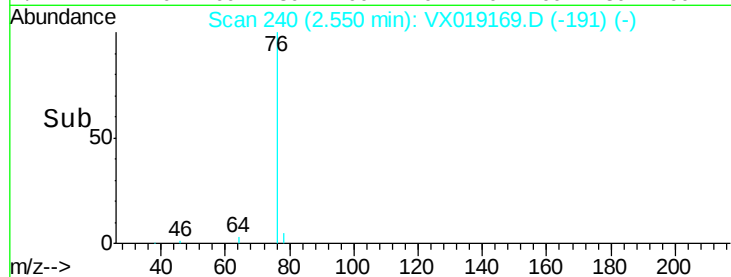
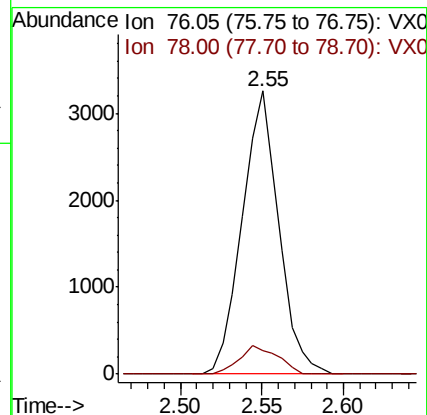
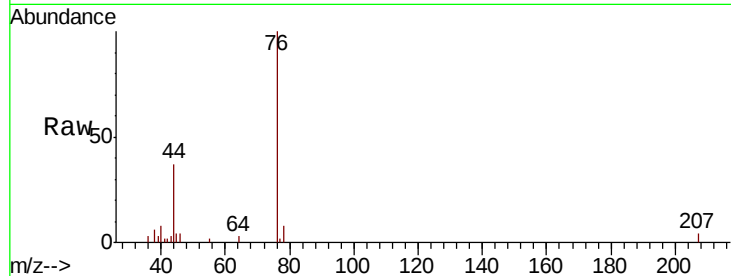
VIBLK61

Tot Ion: 76 Resp: 5091

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0



#16

Methylene chloride

Concen: 0.168 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

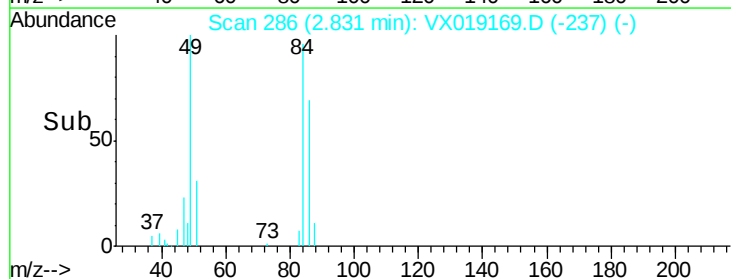
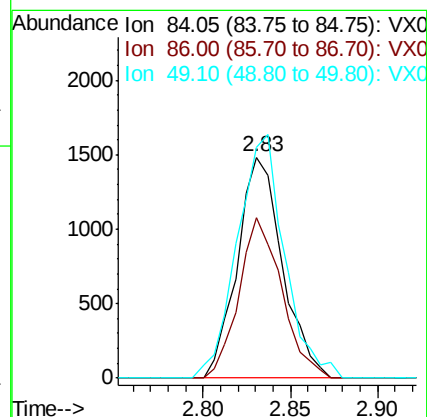
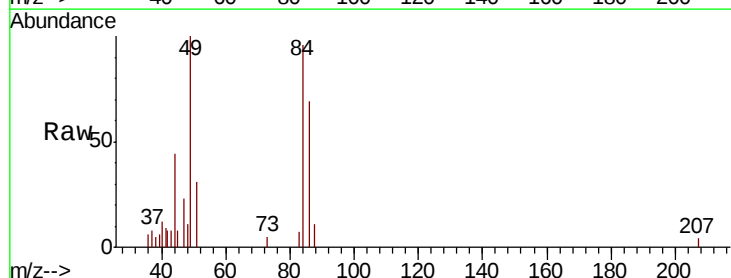
Tgt Ion: 84 Resp: 2657

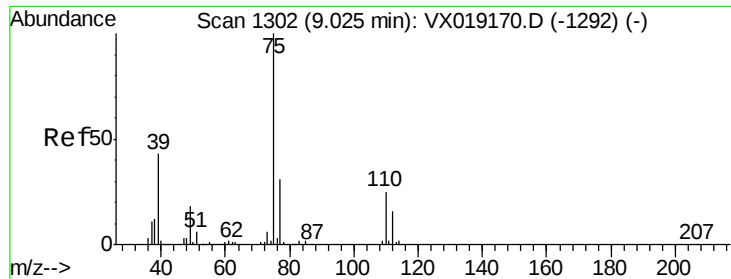
Ion Ratio Lower Upper

84 100

86 72.5 42.2 78.4

49 104.5 77.5 143.9





#44

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 8.99 min Scan# 1297

Delta R.T. -0.03 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

Instrument :

MSVOA_X

ClientSampleId :

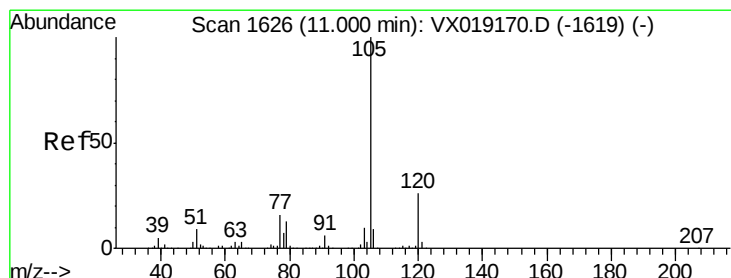
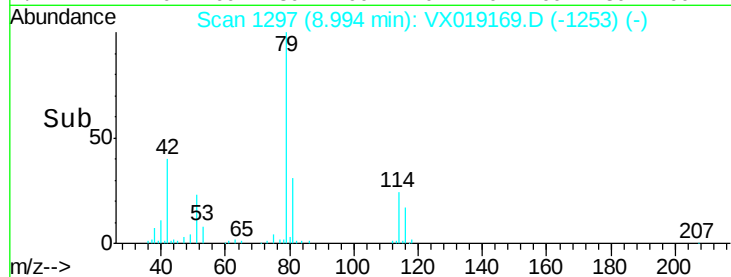
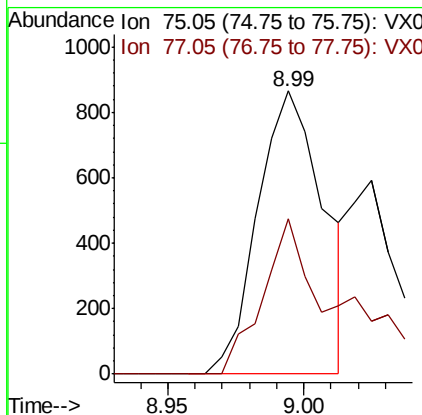
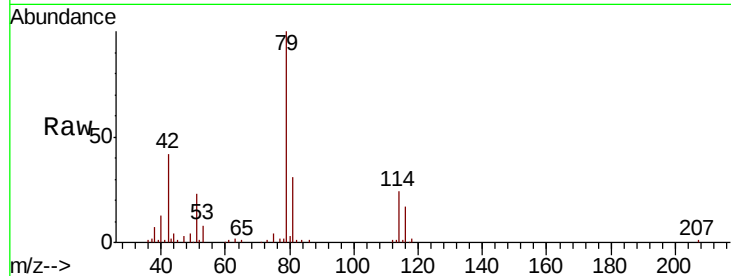
VIBLK61

Tot Ion: 75 Resp: 1452

Ion Ratio Lower Upper

75 100

77 54.7 21.7 40.3#



#60

Isopropylbenzene

Concen: 0.041 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

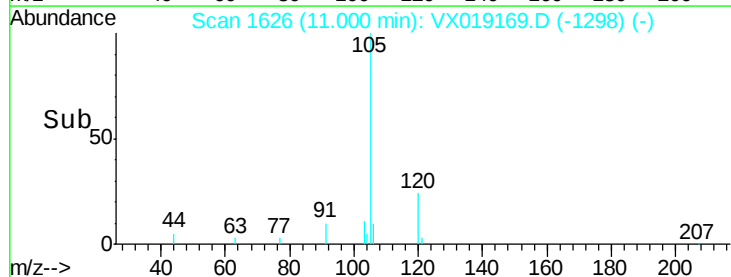
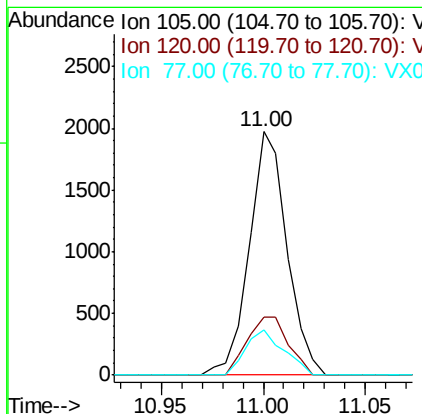
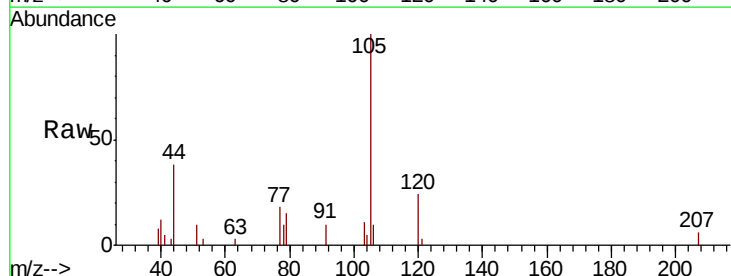
Tgt Ion: 105 Resp: 2538

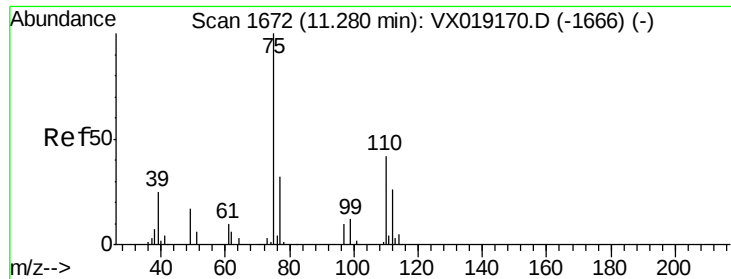
Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.2

77 18.7 12.9 19.3

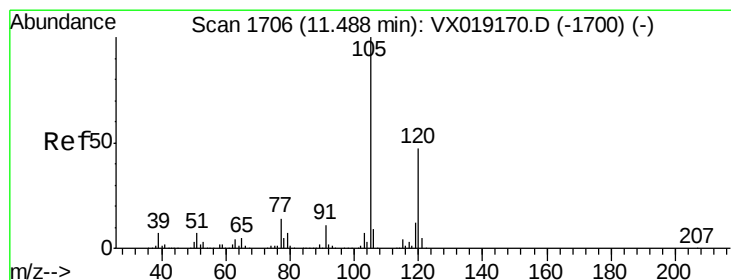
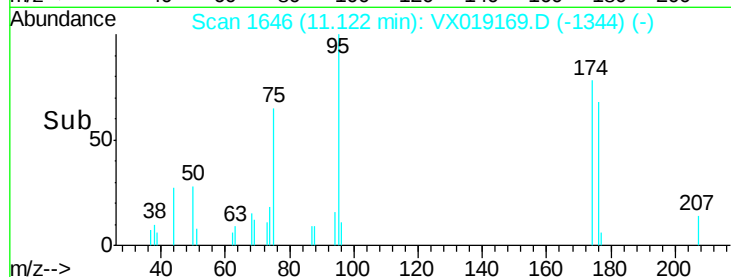
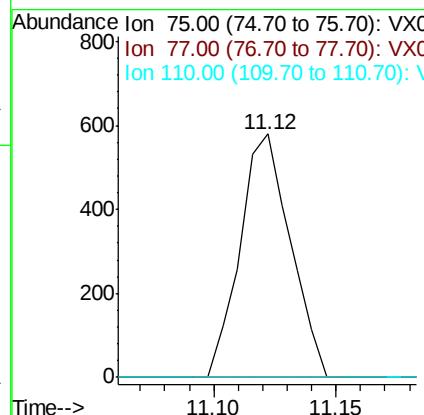
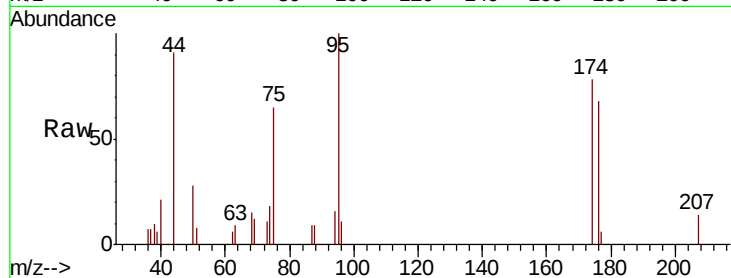




#61
 1,2,3-Trichloropropane
 Concen: 0.109 ug/L
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019169.D
 Acq: 28 Oct 2020 17:27

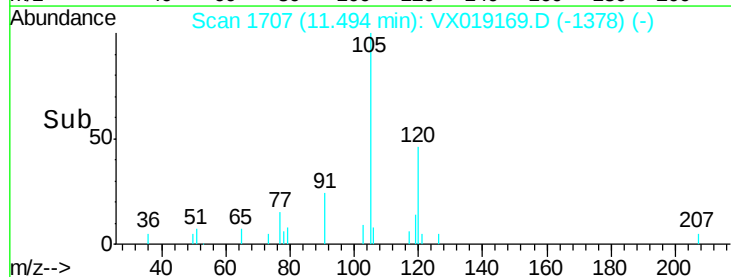
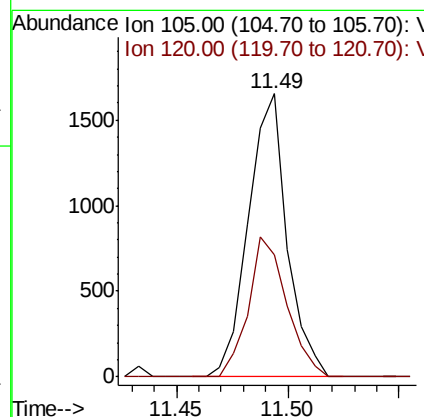
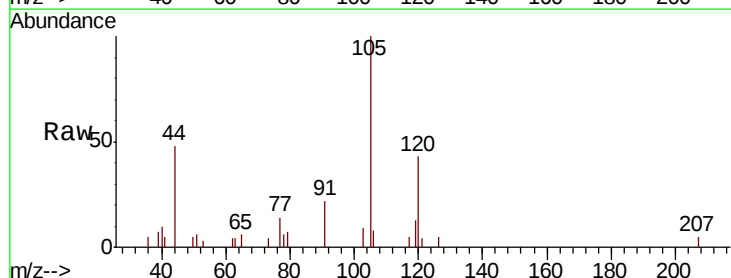
Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK61

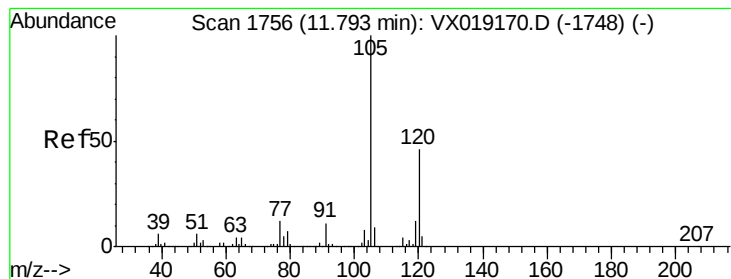
Tot Ion: 75 Resp: 831
 Ion Ratio Lower Upper
 75 100
 77 57.0 25.6 38.4#
 110 0.0 32.4 48.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.038 ug/L
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019169.D
 Acq: 28 Oct 2020 17:27

Tgt Ion: 105 Resp: 2004
 Ion Ratio Lower Upper
 105 100
 120 49.1 38.9 58.3





#63

1,2,4-Trimethylbenzene

Concen: 0.046 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

Instrument :

MSVOA_X

ClientSampled :

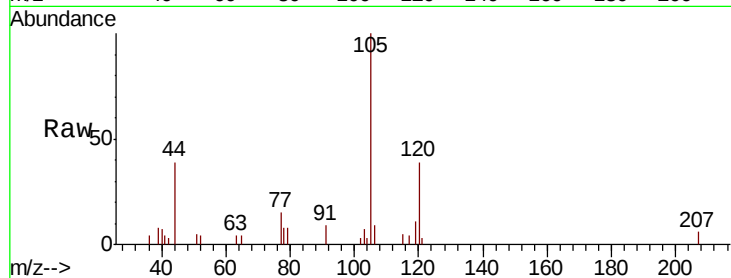
VIBLK61

Tot Ion:105 Resp: 2436

Ion Ratio Lower Upper

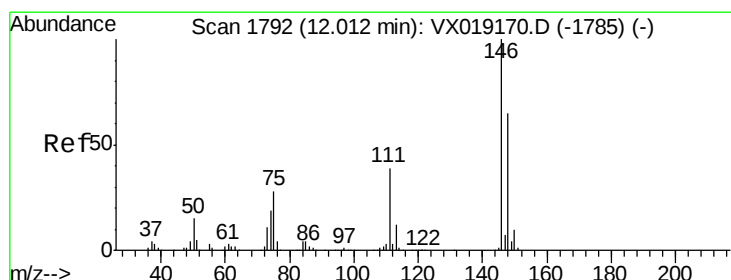
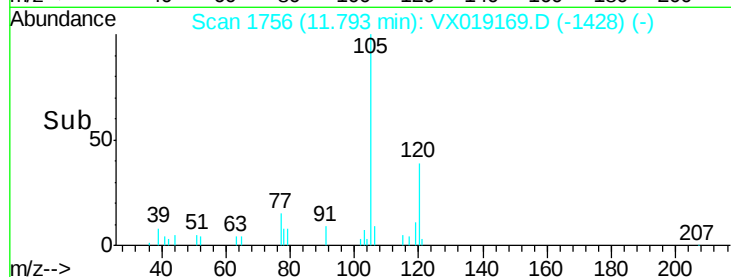
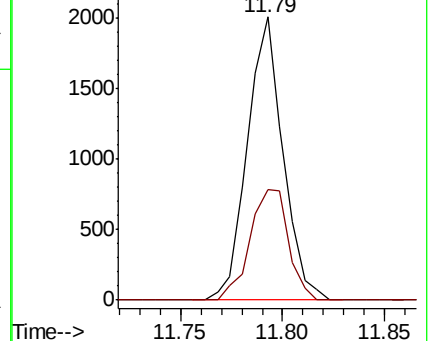
105 100

120 42.2 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#64

1,3-Dichlorobenzene

Concen: 0.071 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

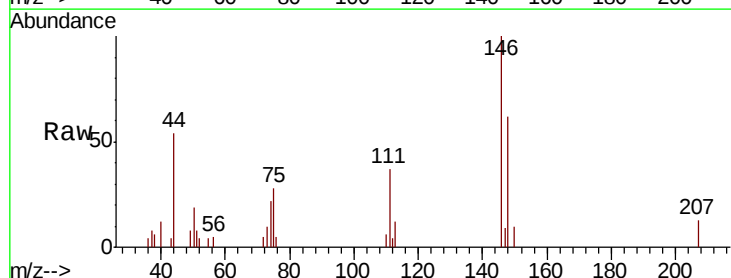
Tgt Ion:146 Resp: 1968

Ion Ratio Lower Upper

146 100

111 36.6 27.3 50.7

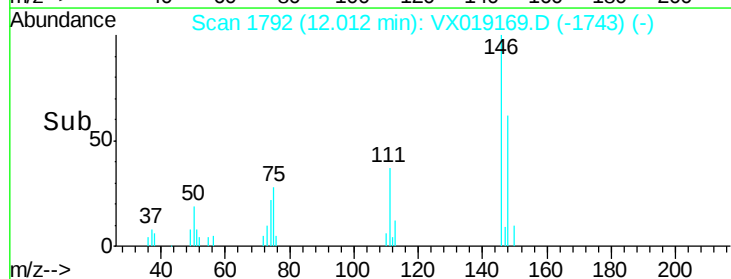
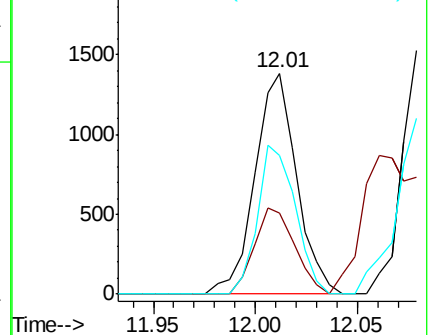
148 62.5 45.4 84.2

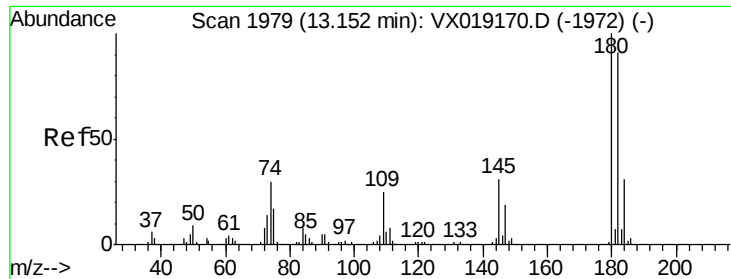


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

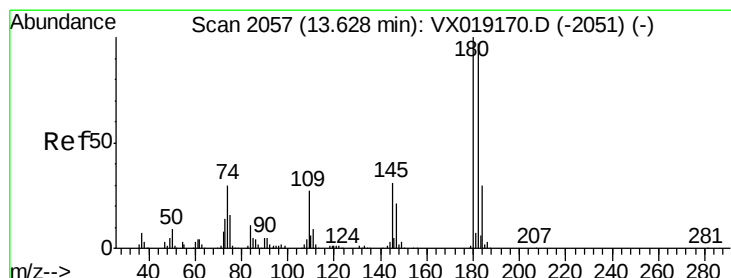
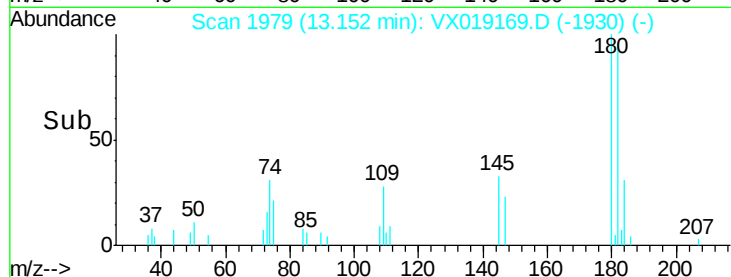
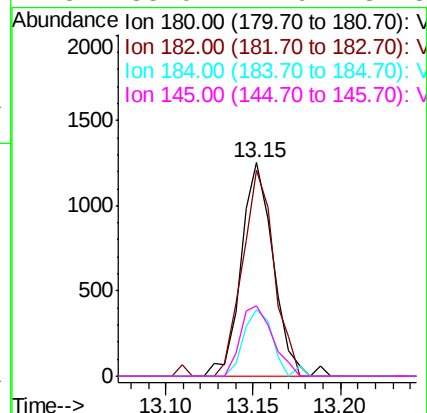
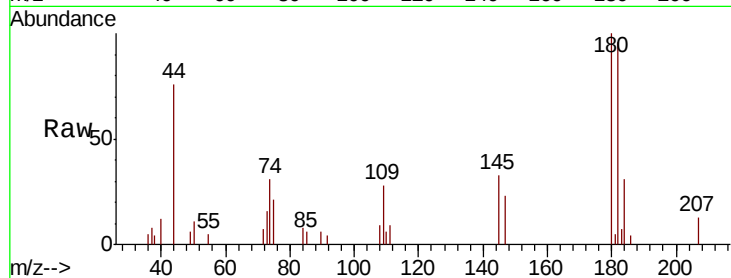




#69
 1,3,5-Trichlorobenzene
 Concen: 0.079 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019169.D
 Acq: 28 Oct 2020 17:27

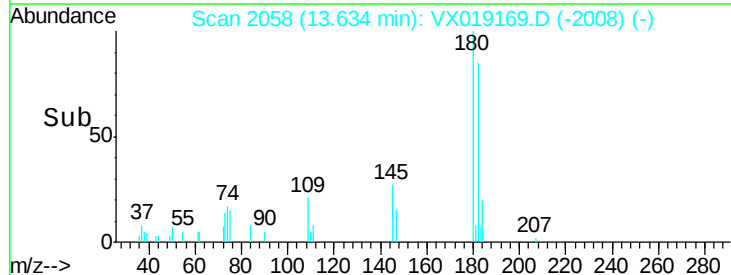
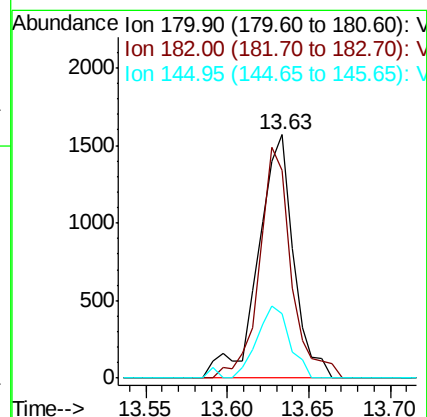
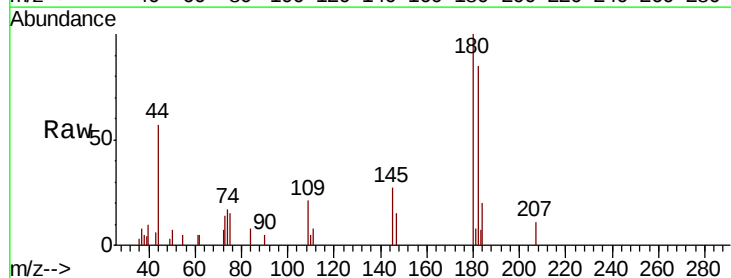
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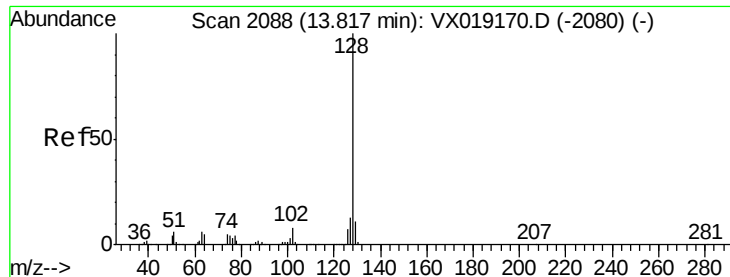
Tot Ion:180 Resp: 1611
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.1 111.1
 184 28.6 24.4 36.6
 145 33.0 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 0.133 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX019169.D
 Acq: 28 Oct 2020 17:27

Tgt Ion:180 Resp: 2365
 Ion Ratio Lower Upper
 180 100
 182 85.9 77.8 116.6
 145 27.4 25.0 37.4





#71

Naphthalene

Concen: 0.116 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

Instrument :

MSVOA_X

ClientSampleId :

VIBLK61

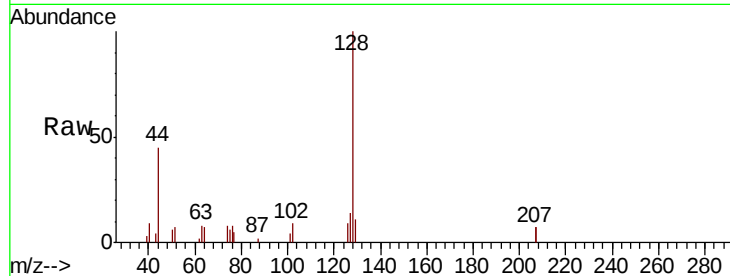
Tot Ion:128 Resp: 3703

Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

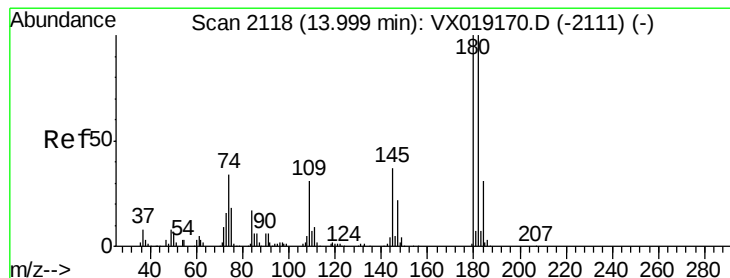
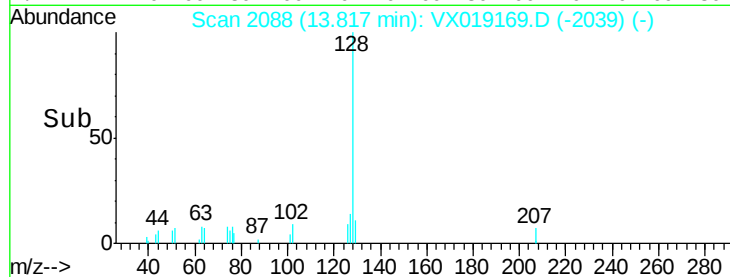
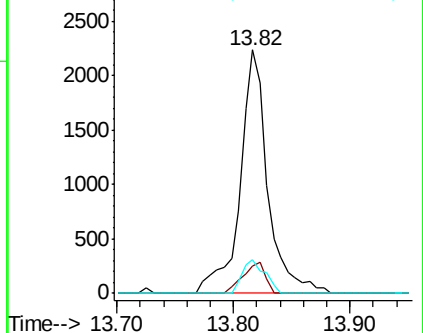
127 11.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 0.130 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019169.D

Acq: 28 Oct 2020 17:27

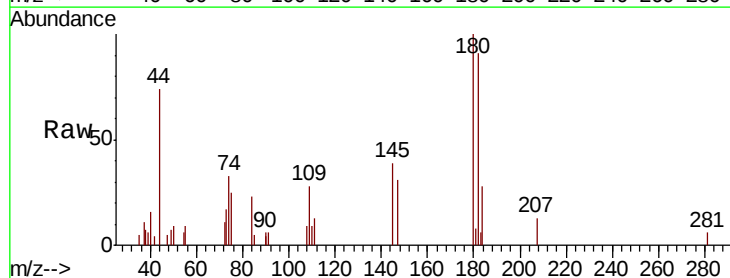
Tgt Ion:180 Resp: 2029

Ion Ratio Lower Upper

180 100

182 90.3 77.0 115.4

145 32.9 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

