

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092220\
 Data File : VX018534.D
 Acq On : 23 Sep 2020 11:25
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005308

Quant Time: Sep 24 00:40:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 23 05:08:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	307667	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	290347	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	151109	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	82123	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.70	69	64651	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.34	63	175256	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.54	46	200596	50.93	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.86%
24) Chloroform-d	5.14	84	177121	4.98	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	6.03	65	97126	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	6.04	84	335896	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	7.37	67	98841	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	8.70	98	328935	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	8.99	79	43560	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	9.43	63	163222	52.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.36%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	72292	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
66) 1,2-Dichlorobenzene-d4	12.36	152	119809	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	98207	5.473	ug/L 100
3) Chloromethane	1.31	50	82602	5.386	ug/L 97
5) Vinyl chloride	1.39	62	84517	5.331	ug/L 97
6) Bromomethane	1.64	94	51242	5.345	ug/L 100
8) Chloroethane	1.72	64	48161	5.422	ug/L 97
9) Trichlorofluoromethane	1.92	101	146811	5.592	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	80899	5.391	ug/L 100
12) 1,1-Dichloroethene	2.36	96	73750	5.290	ug/L 98
13) Acetone	2.44	43	121169	54.986	ug/L 99
14) Carbon disulfide	2.55	76	231958	5.225	ug/L 95
15) Methyl Acetate	2.76	43	28591	5.188	ug/L # 85
16) Methylene chloride	2.83	84	77268	4.119	ug/L 90
17) Methyl tert-butyl Ether	3.17	73	168978	5.370	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	76006	5.268	ug/L 94
19) 1,1-Dichloroethane	3.67	63	140800	5.465	ug/L 97
21) 2-Butanone	4.64	43	191421	59.100	ug/L 98
22) cis-1,2-Dichloroethene	4.56	96	80949	5.435	ug/L # 90

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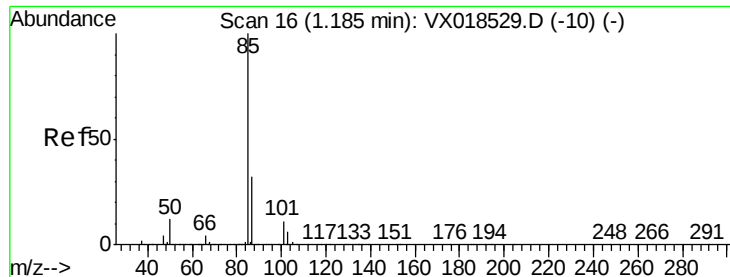
Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.98	128	37512	5.126	ug/L #	85
25) Chloroform	5.18	83	148562	5.274	ug/L	98
27) 1,2-Dichloroethane	6.16	62	95197	5.320	ug/L	98
29) 1,1,1-Trichloroethane	5.46	97	142344	5.443	ug/L	98
30) Cyclohexane	5.55	56	117497	5.464	ug/L	98
31) Carbon tetrachloride	5.75	117	132785	5.685	ug/L	96
33) Benzene	6.11	78	298763	5.603	ug/L	100
34) Trichloroethene	7.19	95	84280	5.579	ug/L	95
35) Methylcyclohexane	7.44	83	117653	5.520	ug/L	97
37) 1,2-Dichloropropane	7.49	63	75289	5.481	ug/L	99
38) Bromodichloromethane	7.87	83	103465	5.419	ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	110355	5.464	ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	444825	58.347	ug/L	98
42) Toluene	8.76	91	328625	5.748	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	100679	5.528	ug/L	97
45) 1,1,2-Trichloroethane	9.20	97	56596	5.732	ug/L	92
47) Tetrachloroethene	9.32	164	69682	5.554	ug/L	86
48) 2-Hexanone	9.47	43	328574	58.960	ug/L	98
49) Dibromochloromethane	9.56	129	71952	5.508	ug/L	88
50) 1,2-Dibromoethane	9.65	107	53545	5.695	ug/L #	87
51) Chlorobenzene	10.12	112	213917	5.665	ug/L	95
52) Ethylbenzene	10.23	91	350419	5.703	ug/L	95
53) m,p-xylene	10.34	106	137943	5.859	ug/L	96
54) o-xylene	10.68	106	129829	5.927	ug/L	92
55) Styrene	10.70	104	220847	5.912	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	61681	5.499	ug/L	96
59) Bromoform	10.84	173	42774	5.285	ug/L	95
60) Isopropylbenzene	11.00	105	357930	5.806	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	48888	5.302	ug/L	95
62) 1,3,5-Trimethylbenzene	11.49	105	292412	5.843	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	296133	5.825	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	176128	5.597	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	173563	5.410	ug/L	98
67) 1,2-Dichlorobenzene	12.38	146	162072	5.513	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	12238	4.825	ug/L	85
69) 1,3,5-Trichlorobenzene	13.15	180	129305	5.592	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	103397	5.385	ug/L	92
71) Naphthalene	13.82	128	175373	5.497	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	99440	5.727	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.473 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

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MSVOA_X

ClientSampleId :

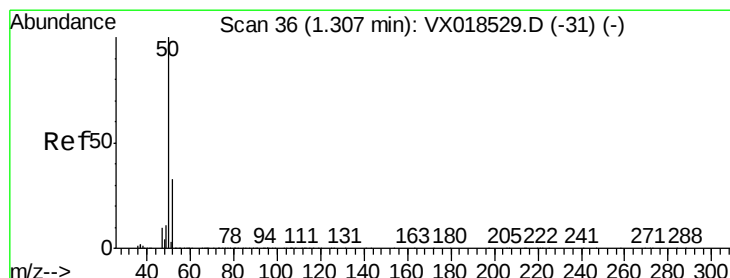
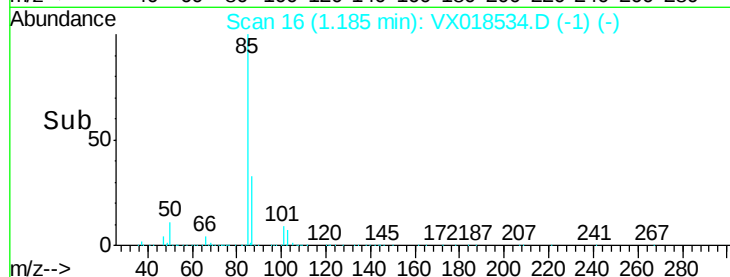
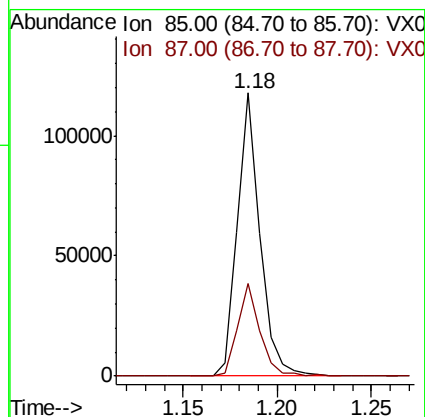
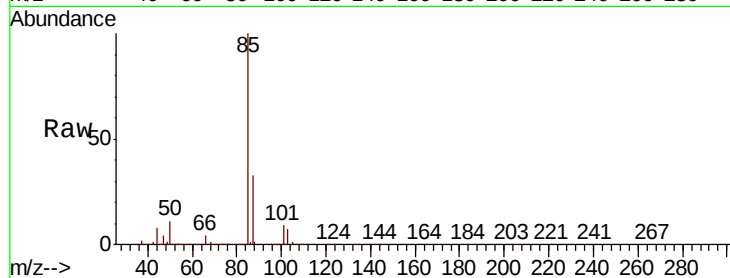
VSTD005308

Tot Ion: 85 Resp: 98207

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



#3

Chloromethane

Concen: 5.386 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.01 min

Lab File: VX018534.D

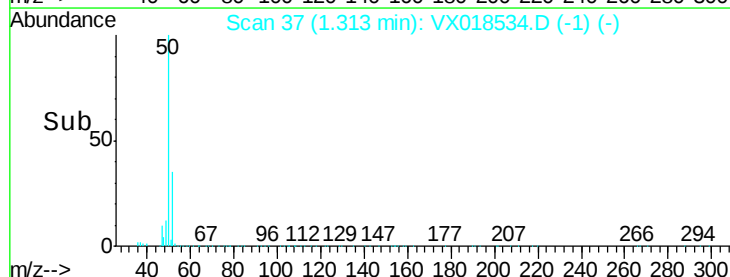
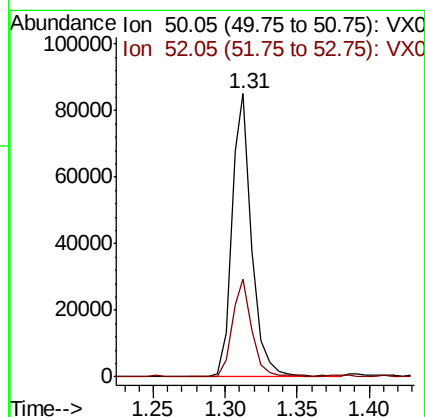
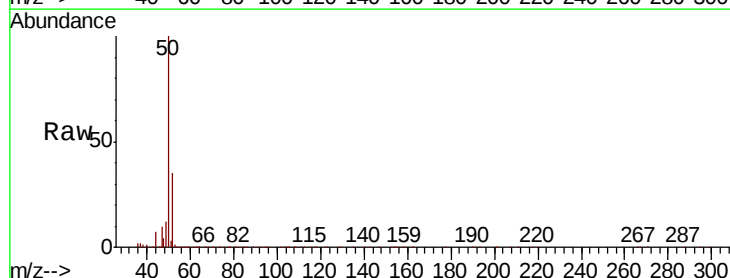
Acq: 23 Sep 2020 11:25

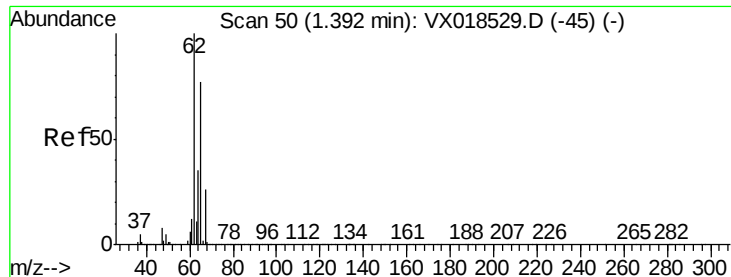
Tgt Ion: 50 Resp: 82602

Ion Ratio Lower Upper

50 100

52 34.7 23.1 42.9





#5

Vinyl chloride

Concen: 5.331 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

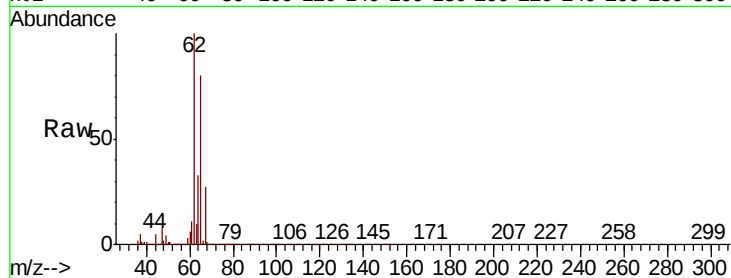
VSTD005308

Tot Ion: 62 Resp: 84517

Ion Ratio Lower Upper

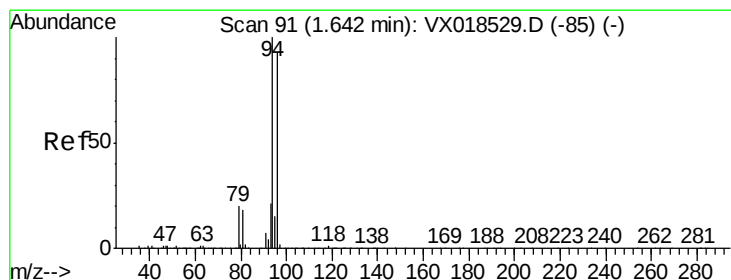
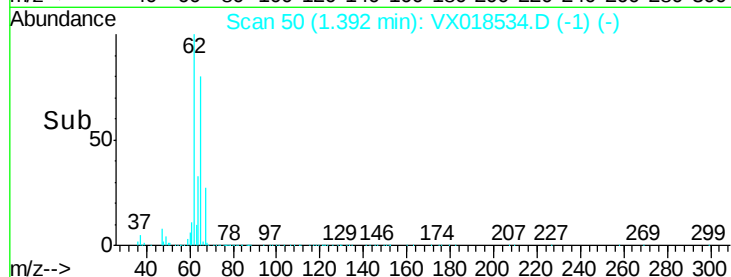
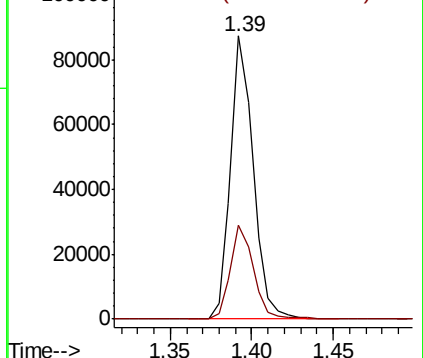
62 100

64 33.4 24.8 46.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 5.345 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX018534.D

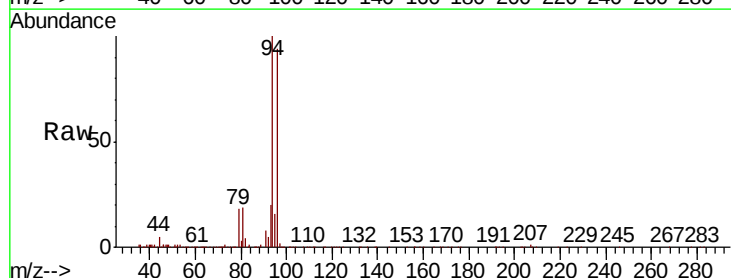
Acq: 23 Sep 2020 11:25

Tgt Ion: 94 Resp: 51242

Ion Ratio Lower Upper

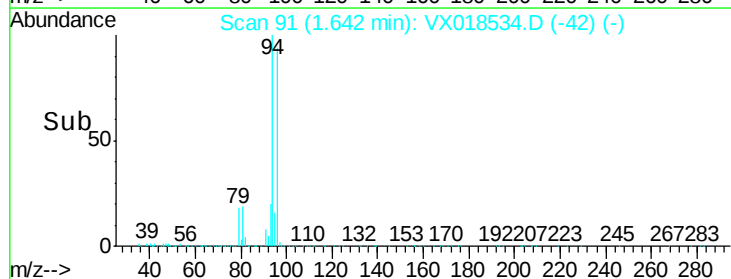
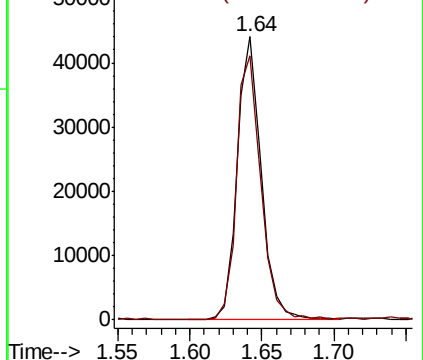
94 100

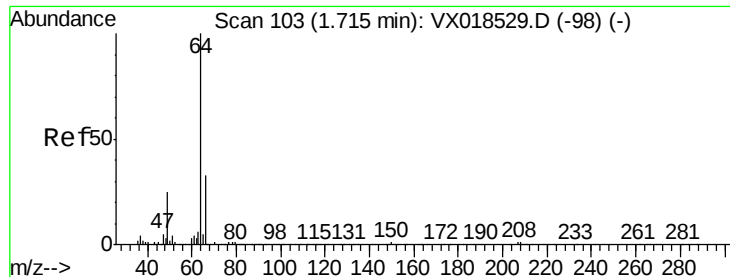
96 93.5 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 5.422 ug/L

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

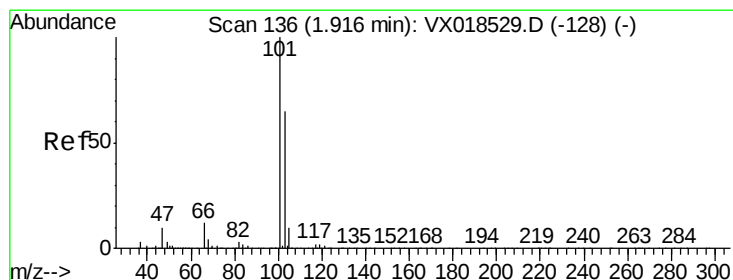
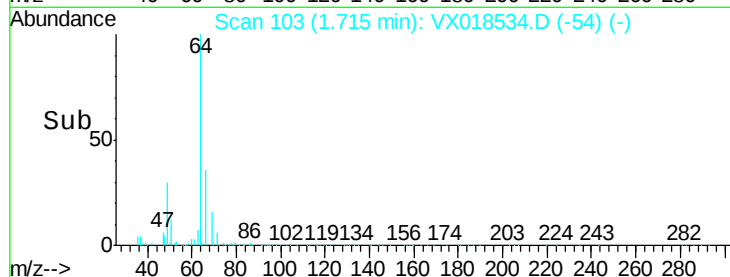
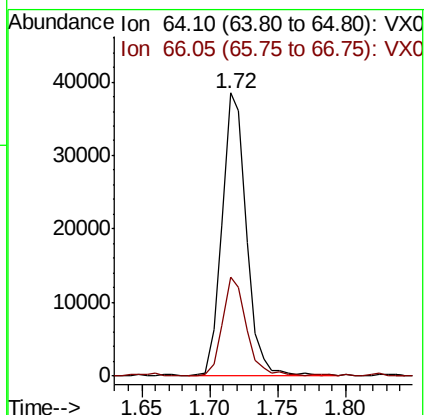
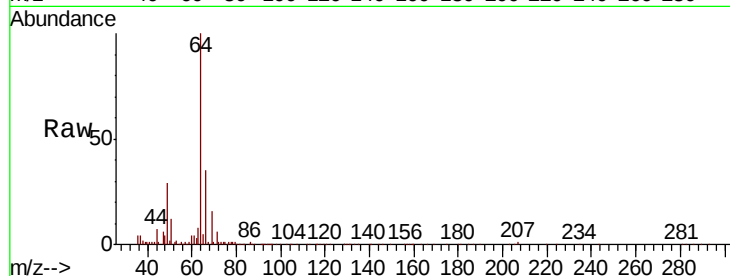
VSTD005308

Tot Ion: 64 Resp: 48161

Ion Ratio Lower Upper

64 100

66 35.0 23.4 43.4



#9

Trichlorofluoromethane

Concen: 5.592 ug/L

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX018534.D

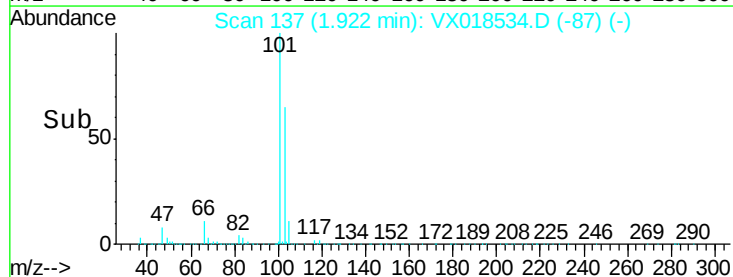
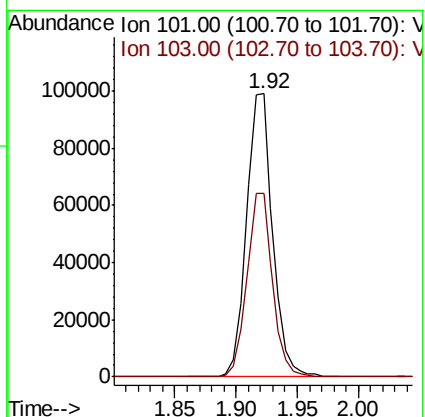
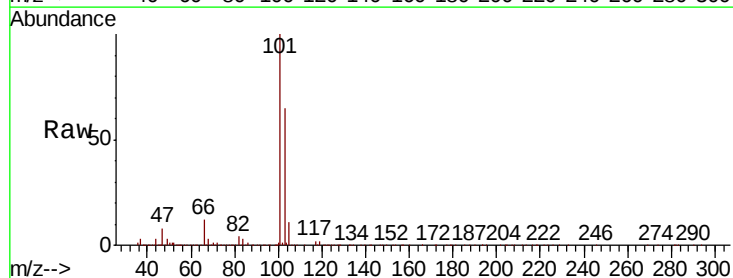
Acq: 23 Sep 2020 11:25

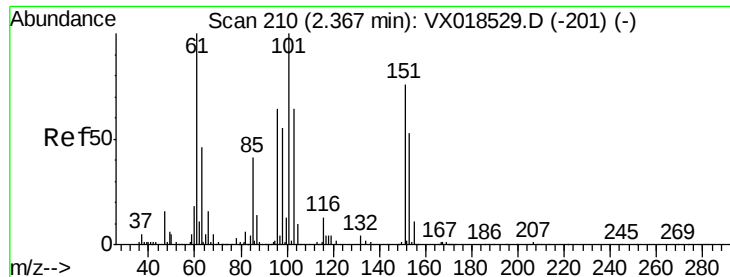
Tgt Ion: 101 Resp: 146811

Ion Ratio Lower Upper

101 100

103 64.1 50.2 75.2





#10

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

Concen: 5.391 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD005308

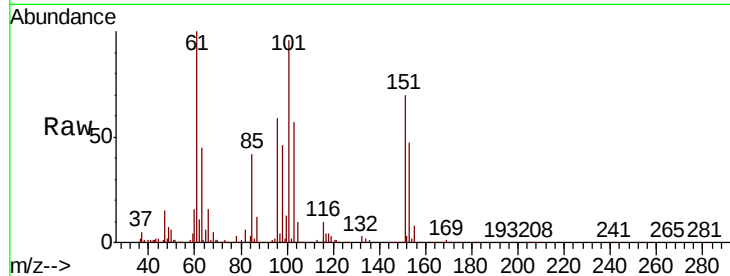
Tot Ion:101 Resp: 80899

Ion Ratio Lower Upper

101 100

85 45.1 35.9 53.9

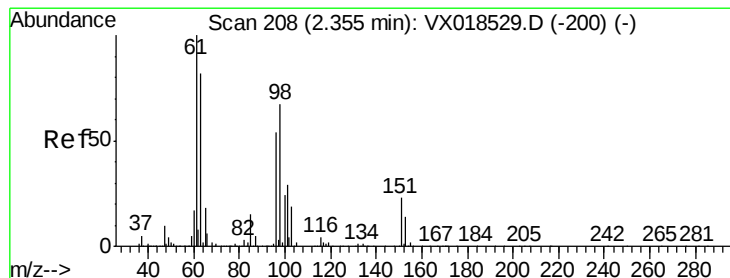
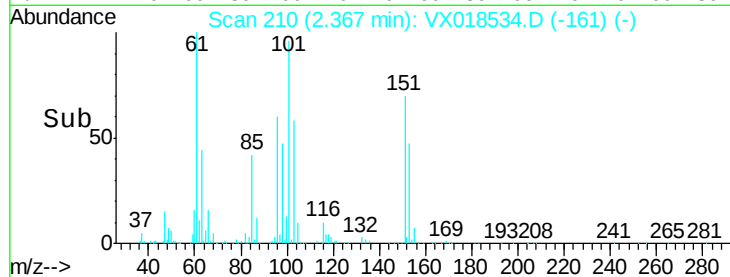
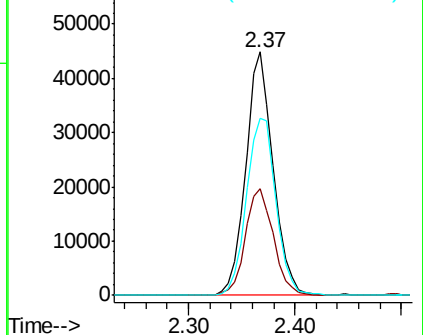
151 78.5 62.4 93.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.290 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

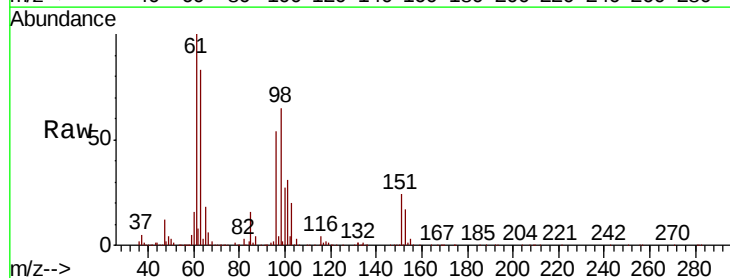
Tgt Ion: 96 Resp: 73750

Ion Ratio Lower Upper

96 100

61 186.5 128.9 239.3

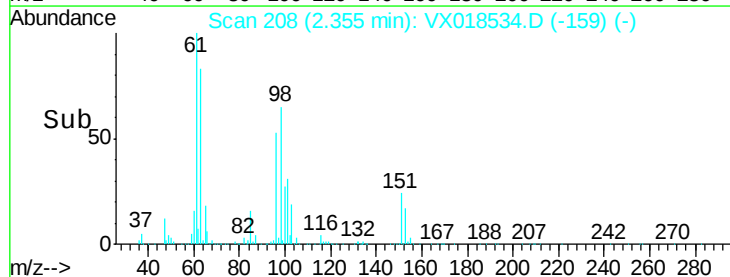
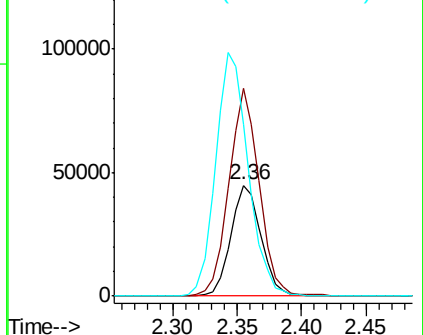
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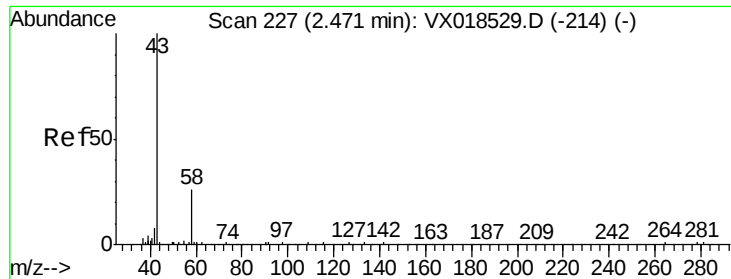


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 54.986 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.03 min

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Acq: 23 Sep 2020 11:25

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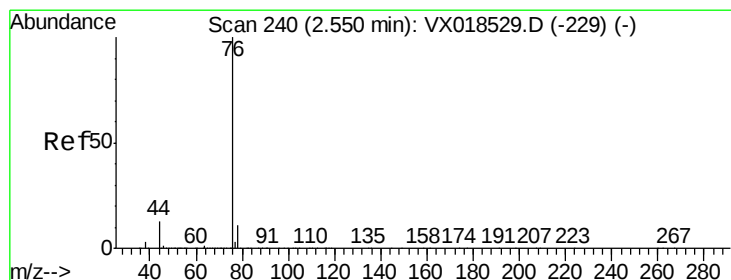
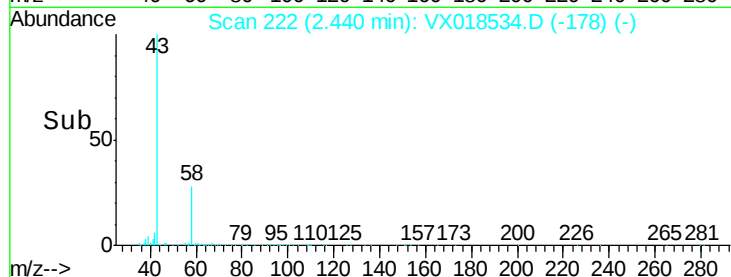
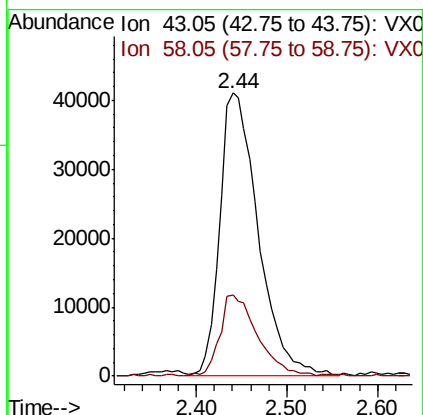
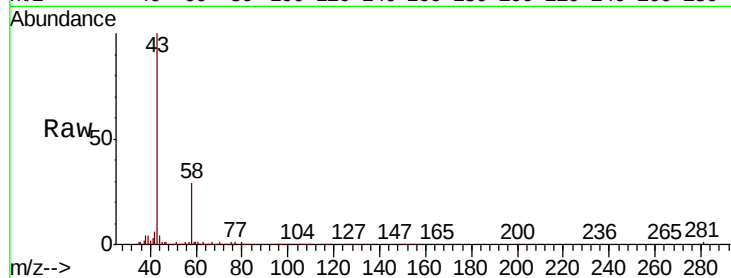
VSTD005308

Tot Ion: 43 Resp: 121169

Ion Ratio Lower Upper

43 100

58 28.3 0.0 58.0



#14

Carbon disulfide

Concen: 5.225 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018534.D

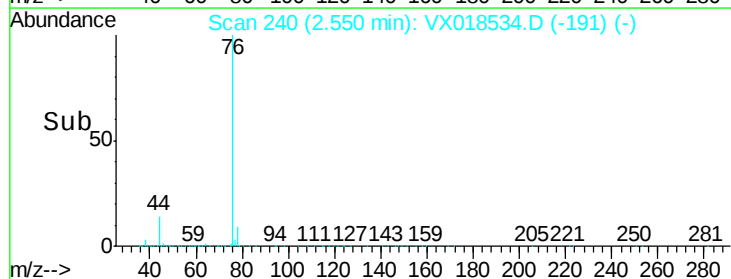
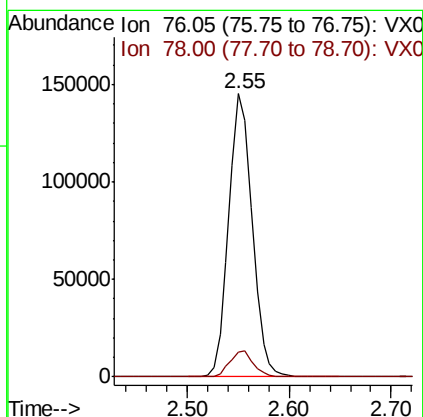
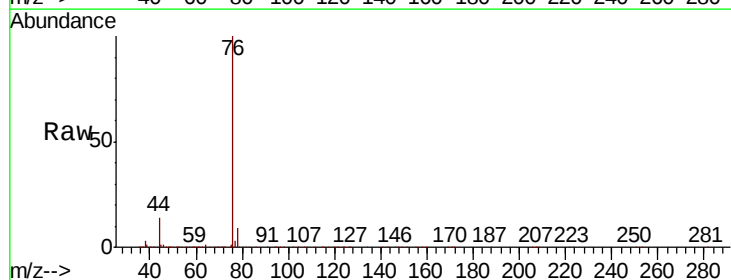
Acq: 23 Sep 2020 11:25

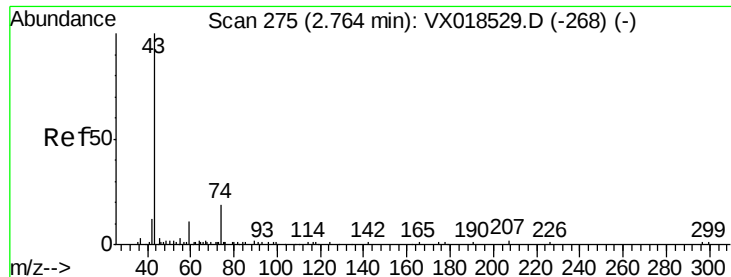
Tgt Ion: 76 Resp: 231958

Ion Ratio Lower Upper

76 100

78 8.7 8.5 12.7





#15

Methyl Acetate

Concen: 5.188 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.01 min

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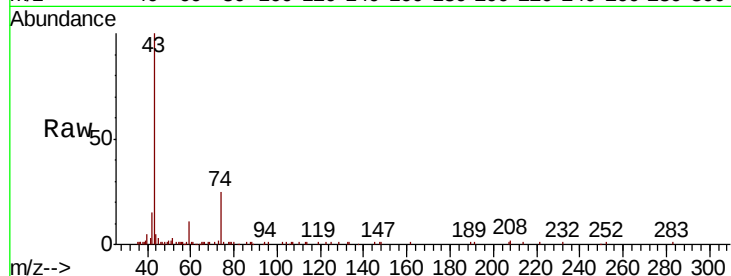
VSTD005308

Tot Ion: 43 Resp: 28591

Ion Ratio Lower Upper

43 100

74 26.6 15.8 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

2.76

15000

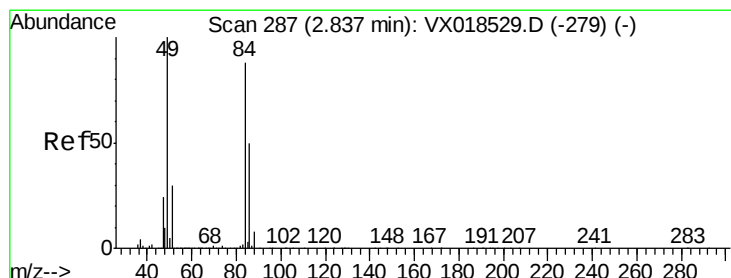
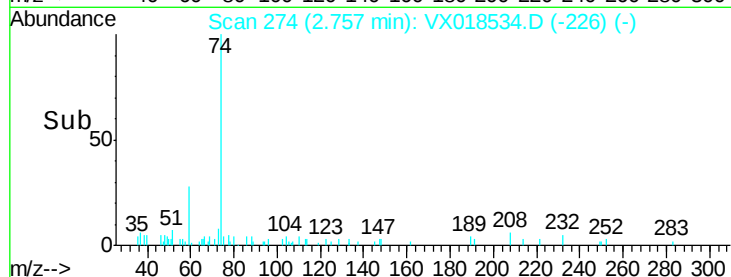
10000

5000

0

Time-->

2.70 2.75 2.80 2.85



#16

Methylene chloride

Concen: 4.119 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

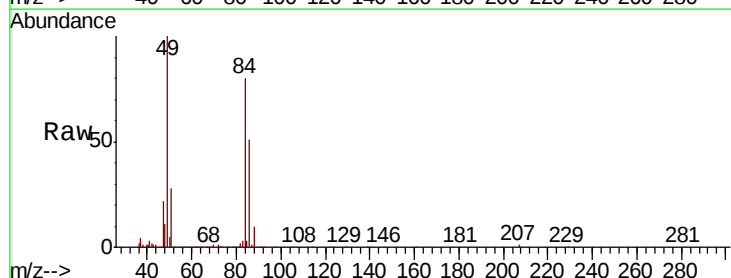
Tgt Ion: 84 Resp: 77268

Ion Ratio Lower Upper

84 100

86 64.0 39.8 74.0

49 124.8 79.5 147.6



Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

60000

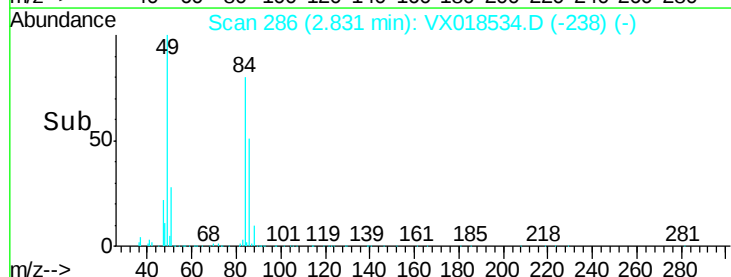
40000

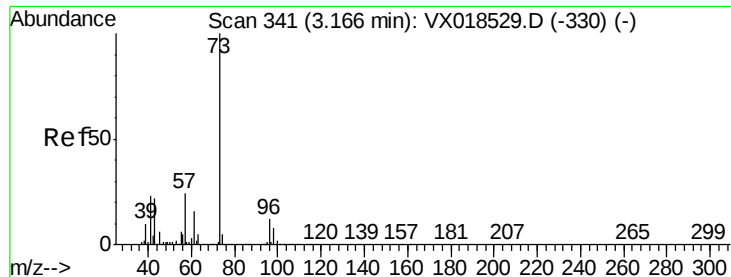
20000

0

Time-->

2.80 2.90

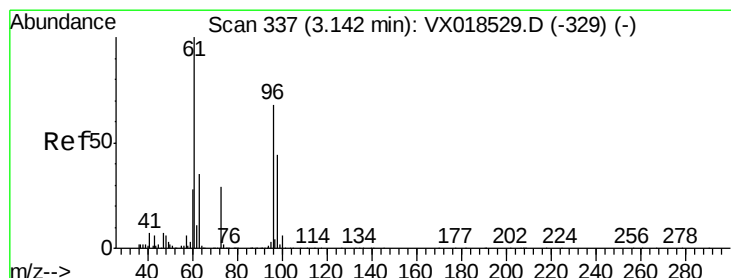
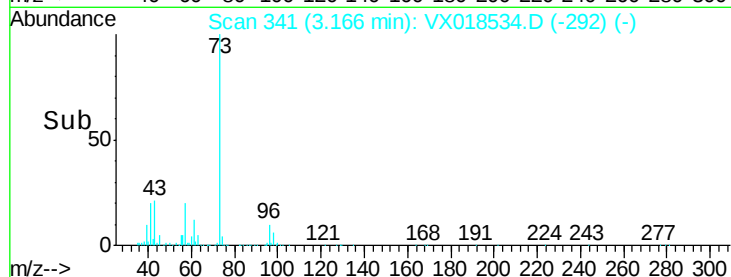
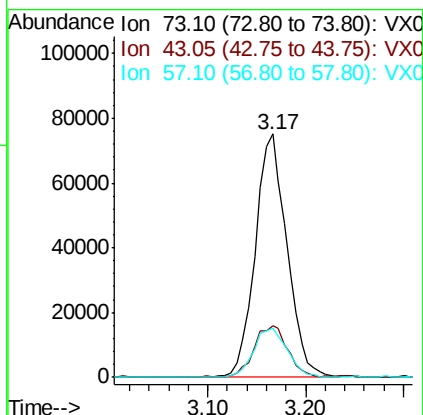
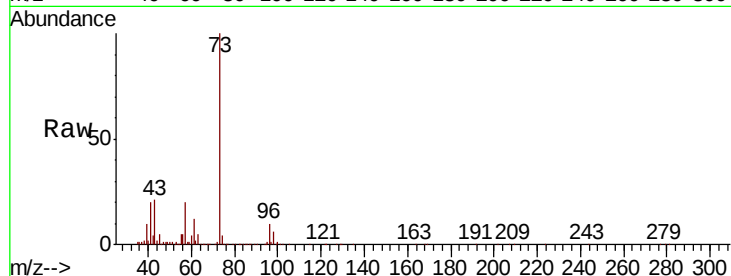




#17
Methvl tert-butvl Ether
Concen: 5.370 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

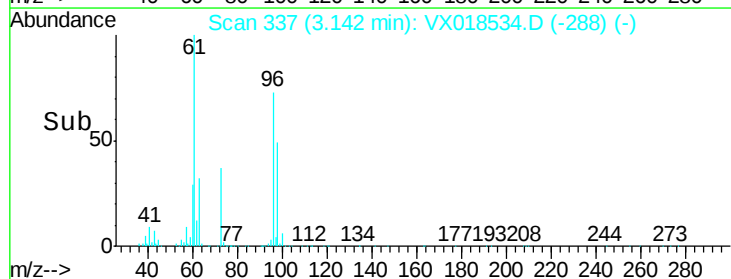
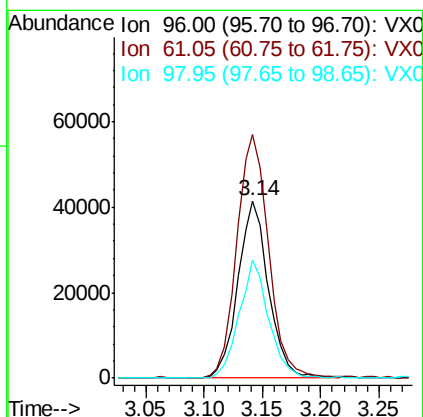
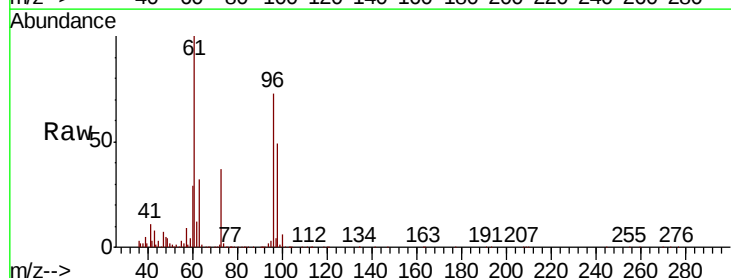
Instrument :
MSVOA_X
ClientSampleId :
VSTD005308

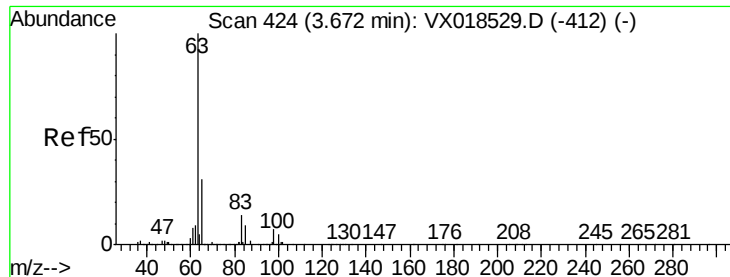
Tot Ion: 73 Resp: 168978
Ion Ratio Lower Upper
73 100
43 22.9 18.3 27.5
57 21.9 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.268 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Tgt Ion: 96 Resp: 76006
Ion Ratio Lower Upper
96 100
61 137.3 102.6 190.6
98 66.8 45.2 84.0

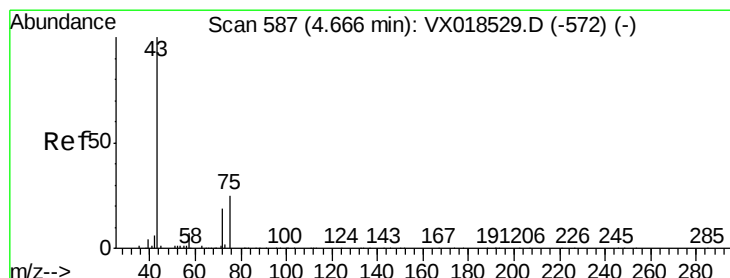
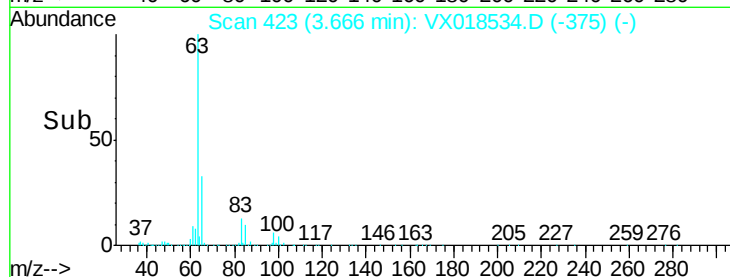
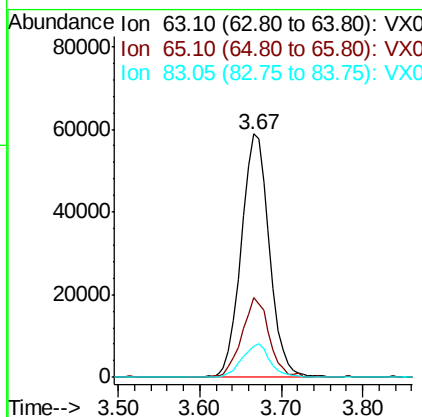
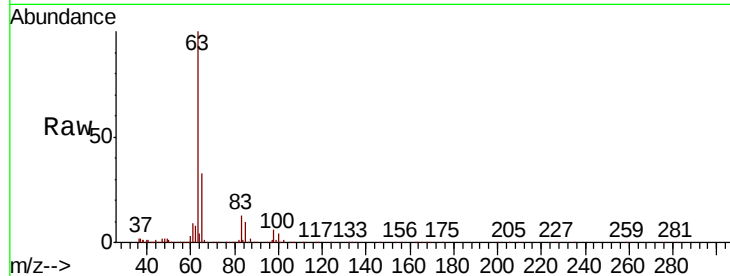




#19
 1,1-Dichloroethane
 Concen: 5.465 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

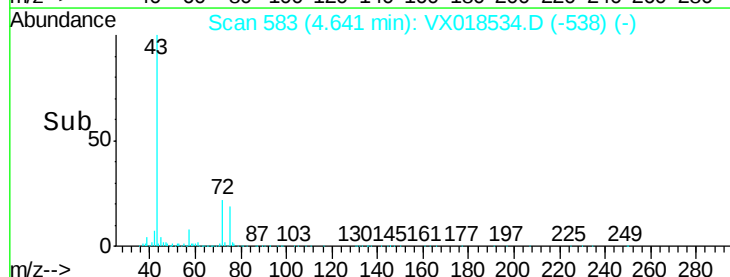
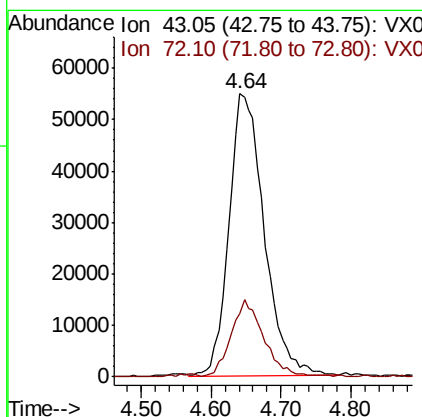
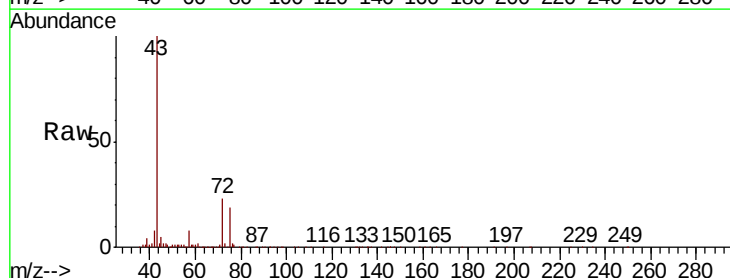
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005308

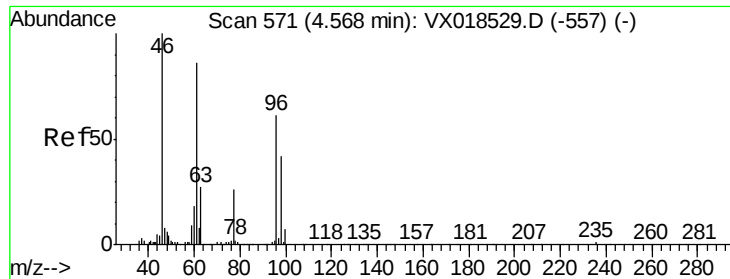
Tot Ion:	63	Resp:	140800
Ion	Ratio	Lower	Upper
63	100		
65	32.9	21.7	40.3
83	13.0	10.0	18.6



#21
 2-Butanone
 Concen: 59.100 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Tgt Ion:	43	Resp:	191421
Ion	Ratio	Lower	Upper
43	100		
72	24.7	13.0	38.9



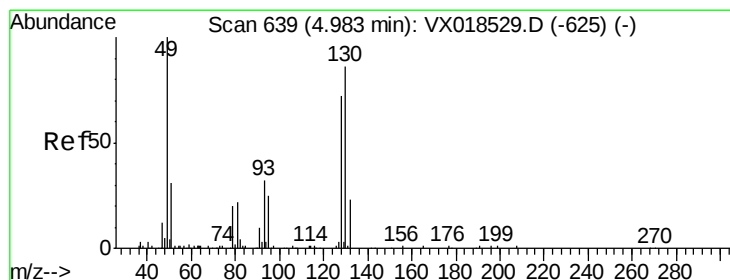
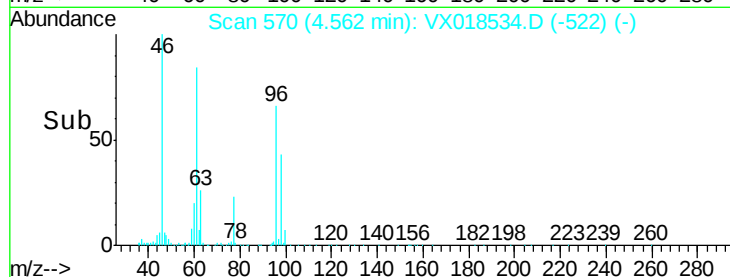
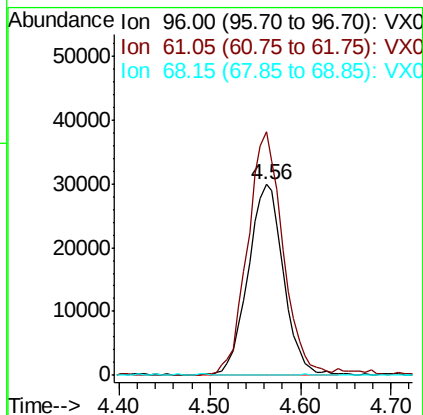
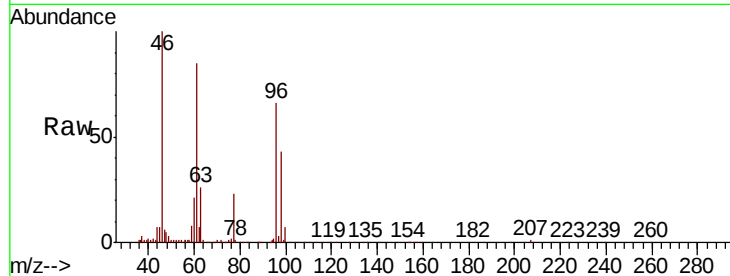


#22

cis-1,2-Dichloroethene
Concen: 5.435 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTD005308

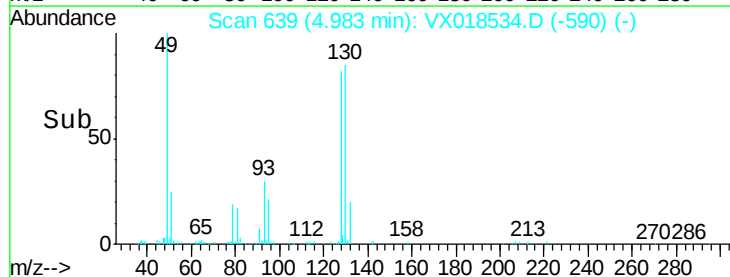
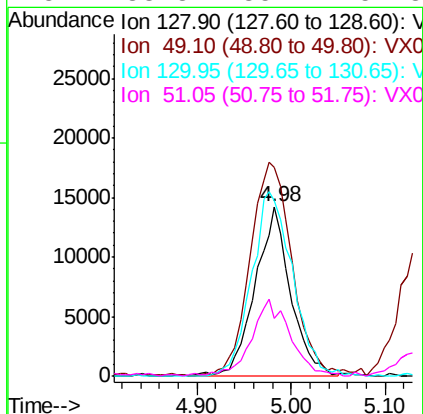
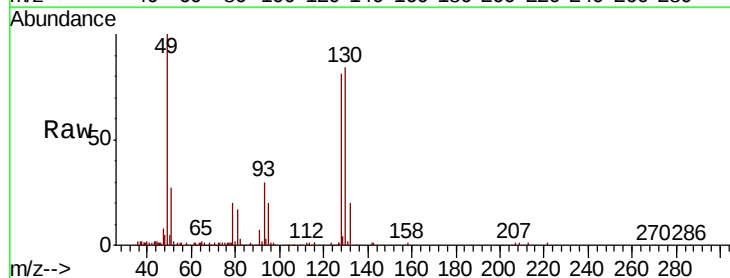
Tot Ion: 96 Resp: 80949
Ion Ratio Lower Upper
96 100
61 127.6 97.5 181.1
68 0.4 0.0 0.0#

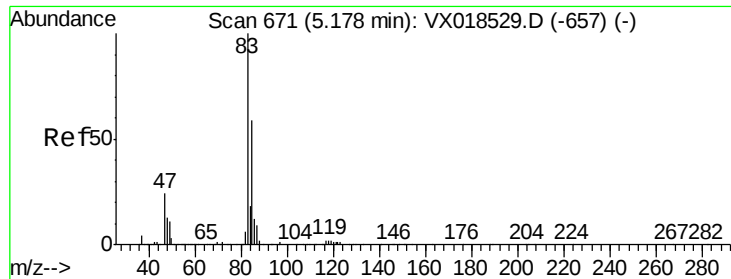


#23

Bromochloromethane
Concen: 5.126 ug/L
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Tgt Ion: 128 Resp: 37512
Ion Ratio Lower Upper
128 100
49 123.2 99.6 185.0
130 103.9 83.6 155.2
51 33.8 35.2 52.8#

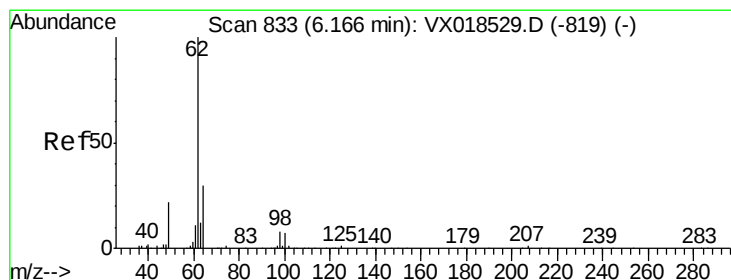
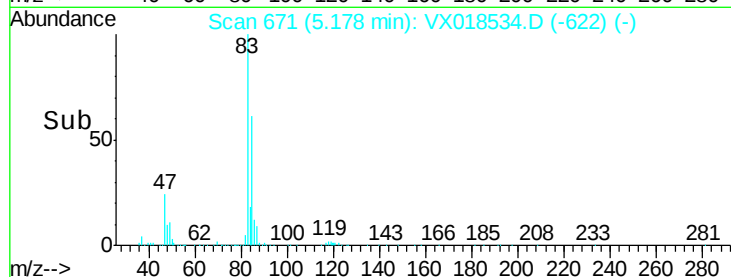
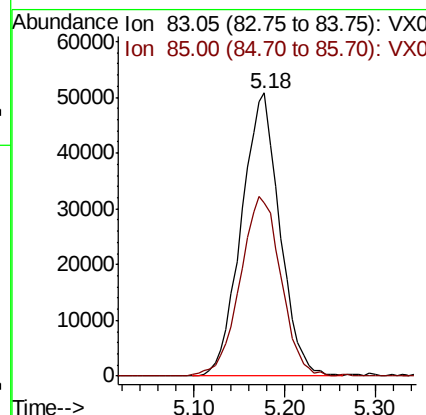
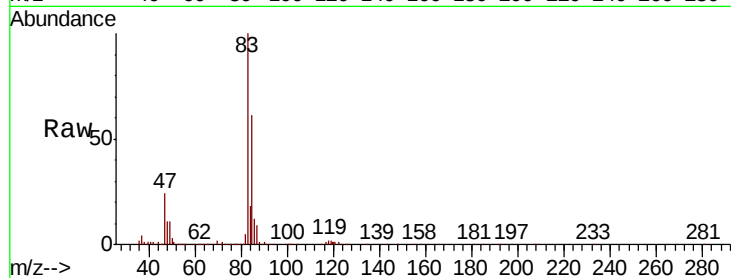




#25
Chloroform
Concen: 5.274 ug/L
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

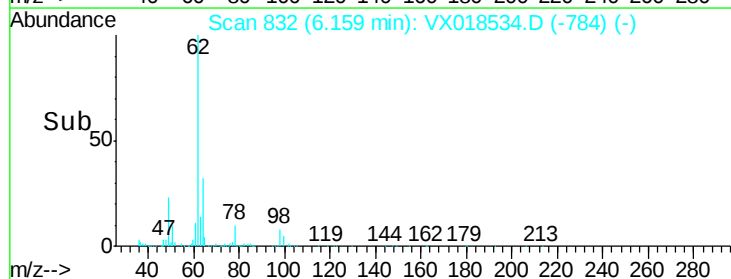
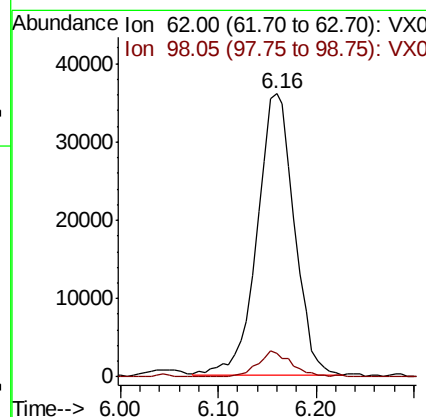
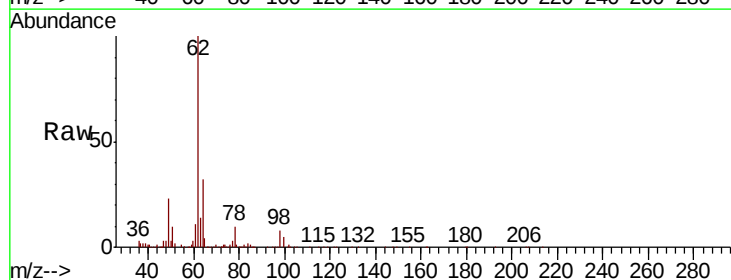
Instrument :
MSVOA_X
ClientSampleId :
VSTD005308

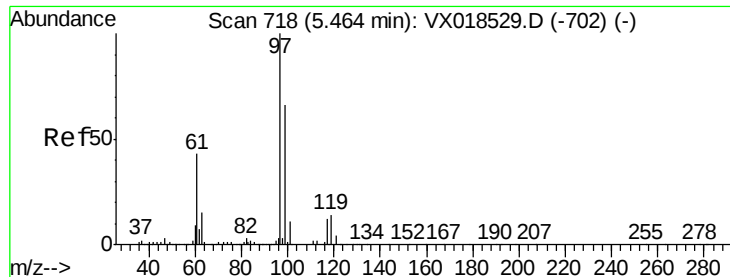
Tot Ion: 83 Resp: 148562
Ion Ratio Lower Upper
83 100
85 61.1 41.6 77.3



#27
1,2-Dichloroethane
Concen: 5.320 ug/L
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Tgt Ion: 62 Resp: 95197
Ion Ratio Lower Upper
62 100
98 8.4 6.2 9.4





#29

1,1,1-Trichloroethane

Concen: 5.443 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD005308

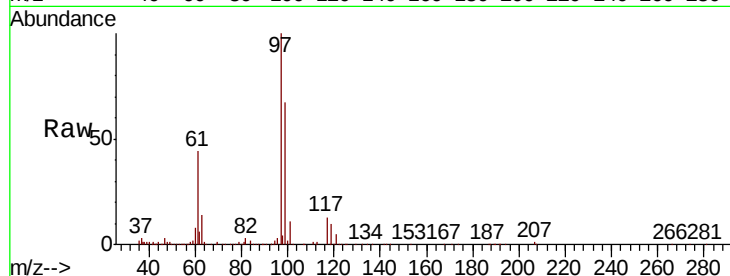
Tot Ion: 97 Resp: 142344

Ion Ratio Lower Upper

97 100

99 64.4 53.6 80.4

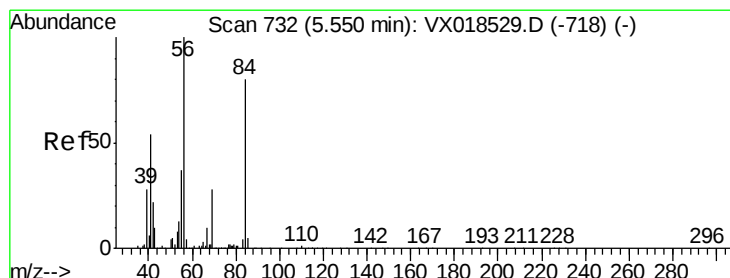
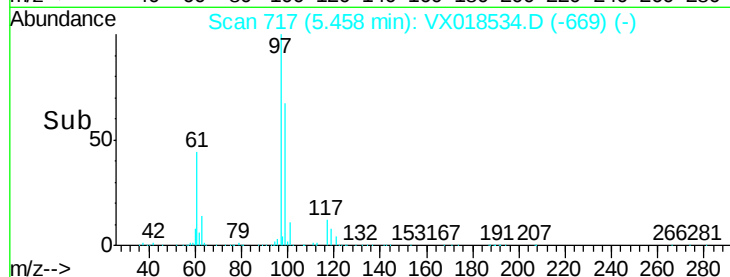
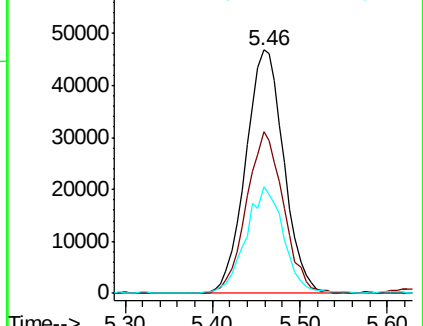
61 43.5 34.8 52.2



Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30

Cyclohexane

Concen: 5.464 ug/L

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

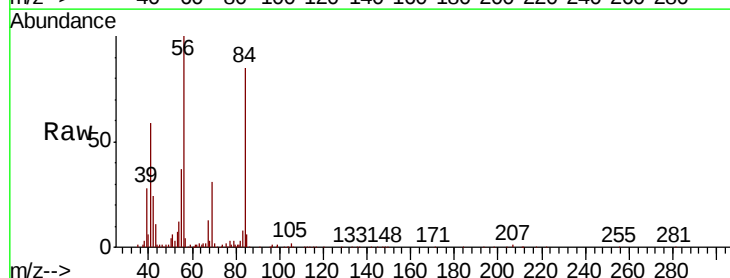
Tgt Ion: 56 Resp: 117497

Ion Ratio Lower Upper

56 100

69 31.2 24.7 37.1

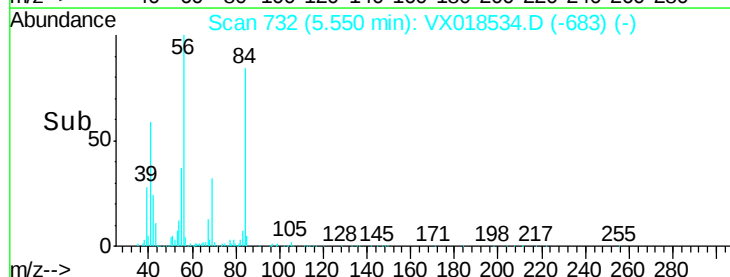
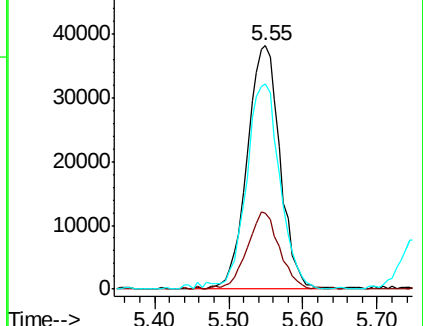
84 87.6 68.6 103.0

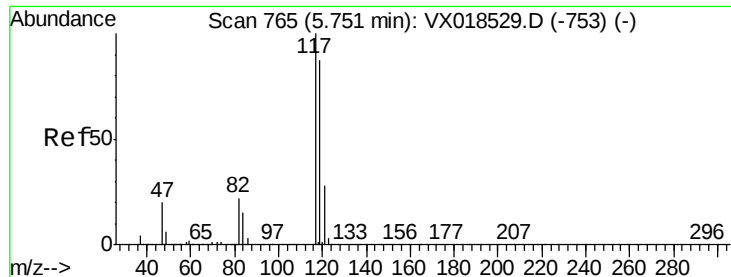


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 5.685 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

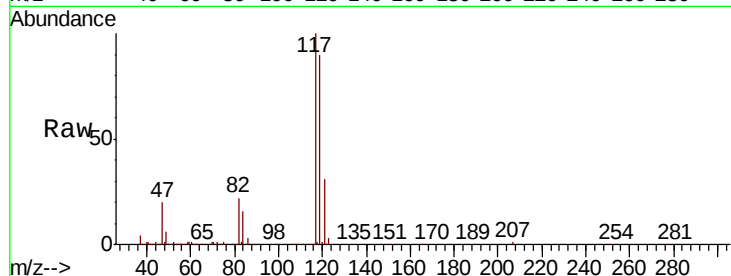
VSTD005308

Tot Ion:117 Resp: 132785

Ion Ratio Lower Upper

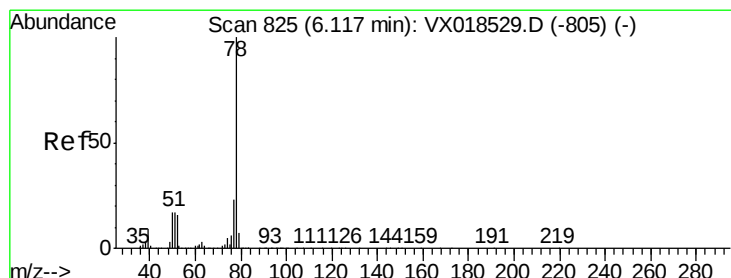
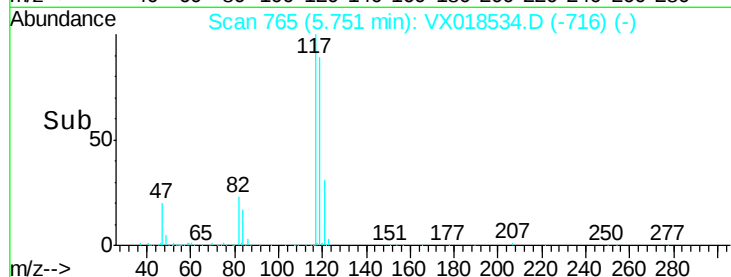
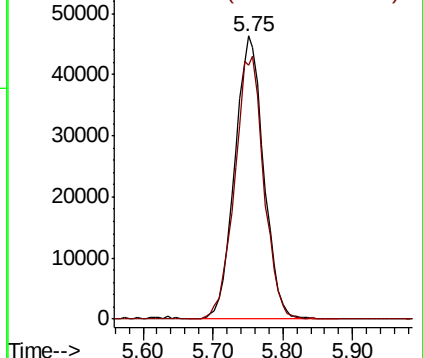
117 100

119 93.6 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.603 ug/L

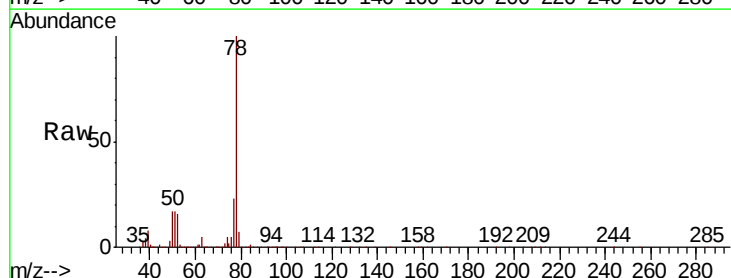
RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

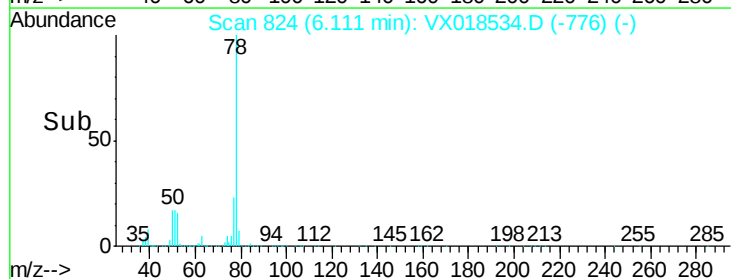
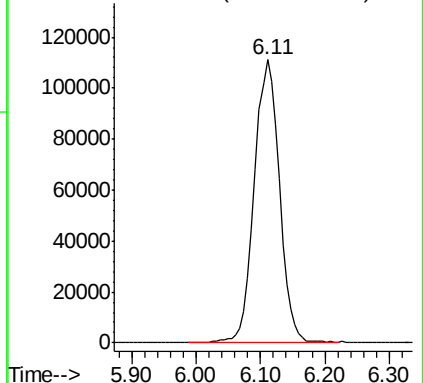
Lab File: VX018534.D

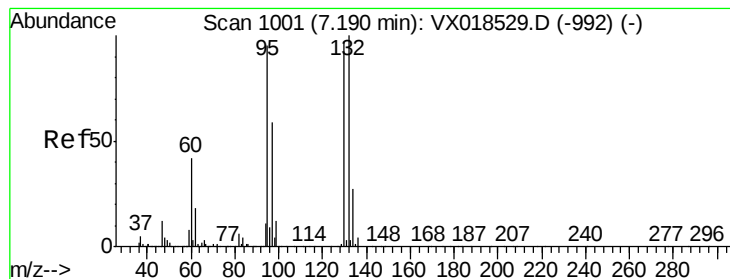
Acq: 23 Sep 2020 11:25

Tgt Ion: 78 Resp: 298763



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 5.579 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD005308

Tot Ion: 95 Resp: 84280

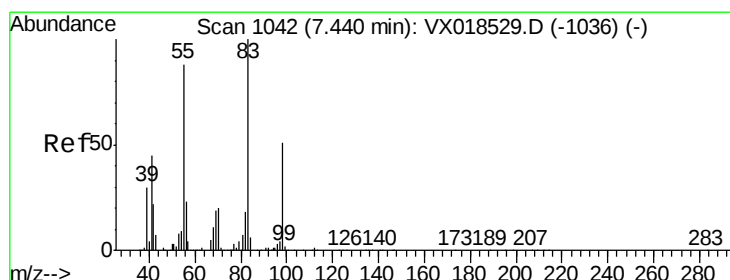
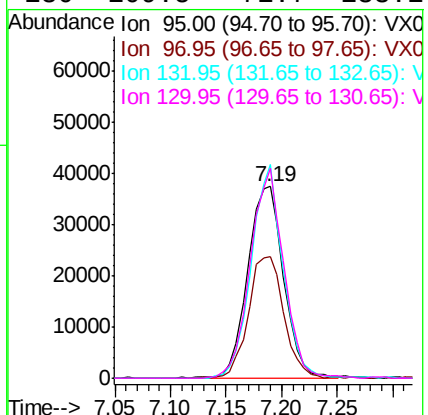
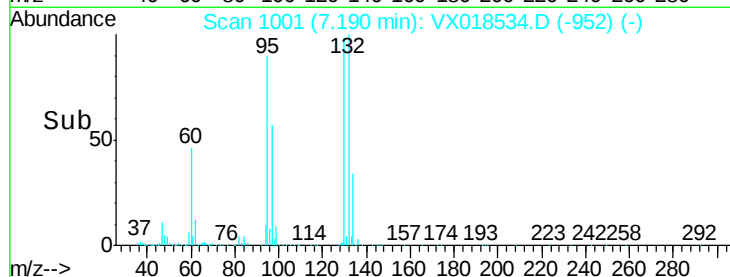
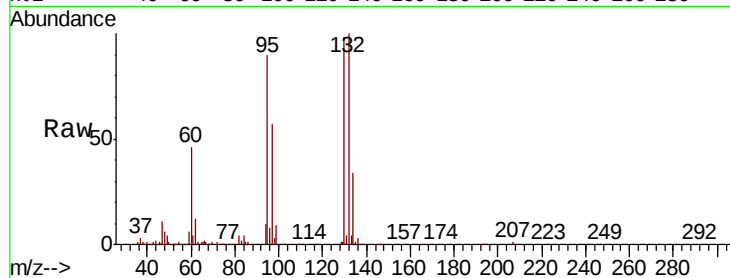
Ion Ratio Lower Upper

95 100

97 63.1 44.0 81.8

132 111.3 74.1 137.7

130 109.5 71.7 133.1



#35

Methylcyclohexane

Concen: 5.520 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

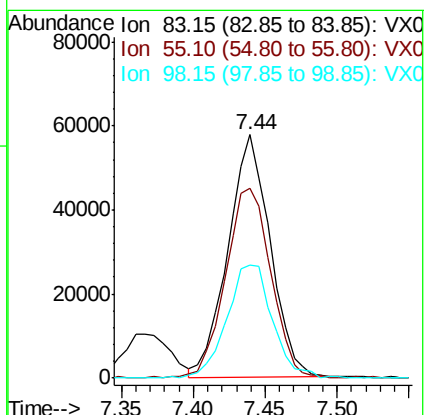
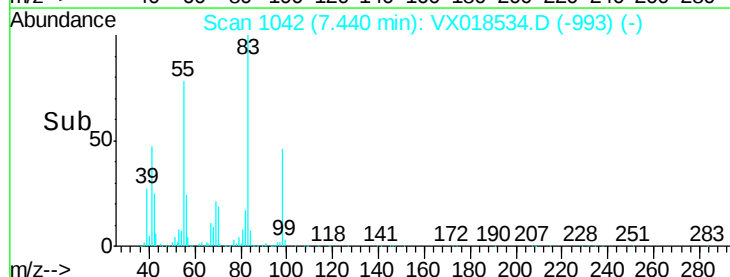
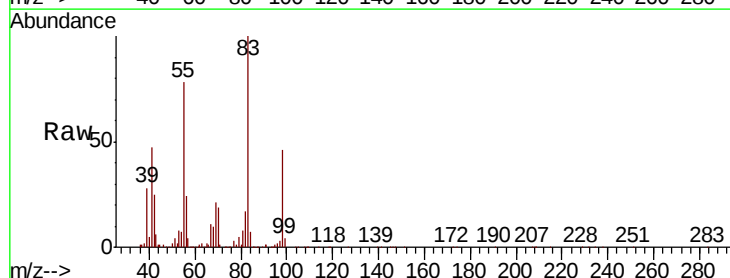
Tgt Ion: 83 Resp: 117653

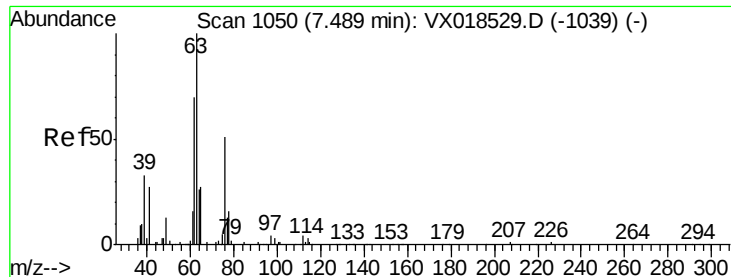
Ion Ratio Lower Upper

83 100

55 84.5 65.7 98.5

98 49.7 37.8 56.8

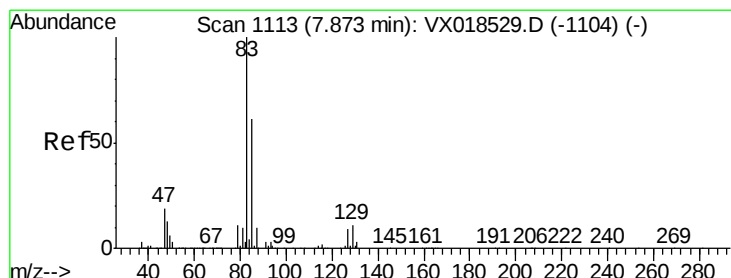
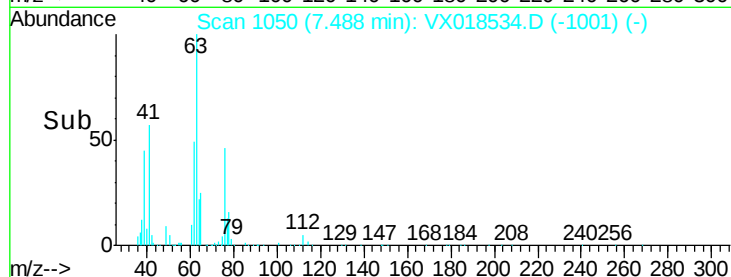
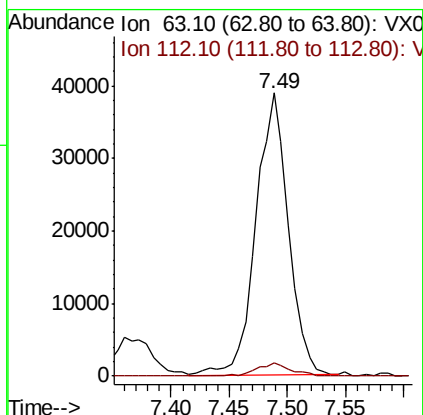
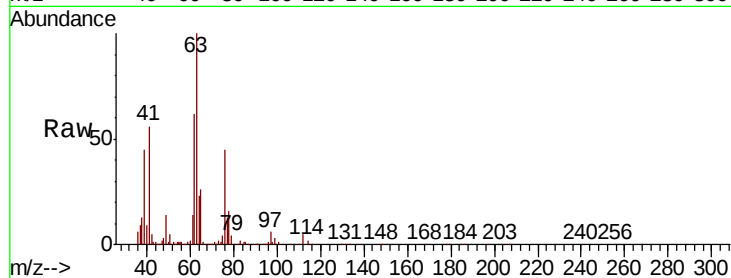




#37
 1,2-Dichloropropane
 Concen: 5.481 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

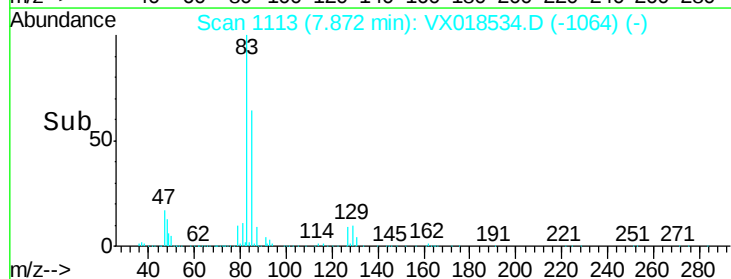
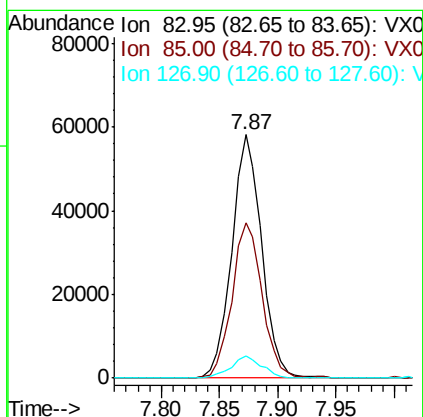
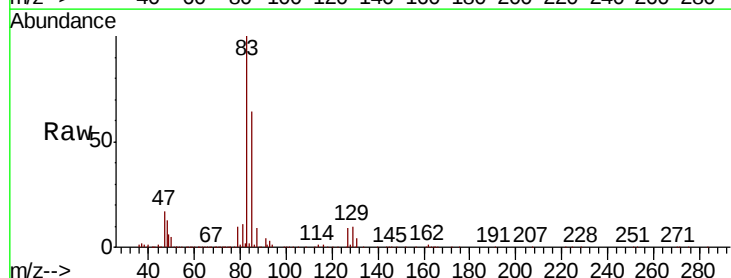
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005308

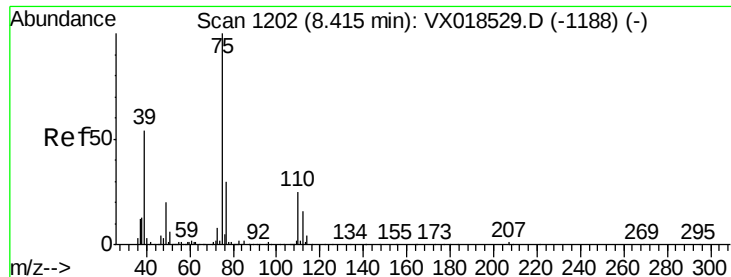
Tot Ion: 63 Resp: 75289
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.1 6.1



#38
 Bromodichloromethane
 Concen: 5.419 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Tgt Ion: 83 Resp: 103465
 Ion Ratio Lower Upper
 83 100
 85 63.9 42.9 79.7
 127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.464 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

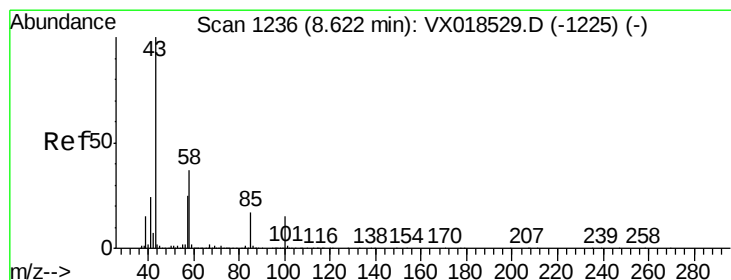
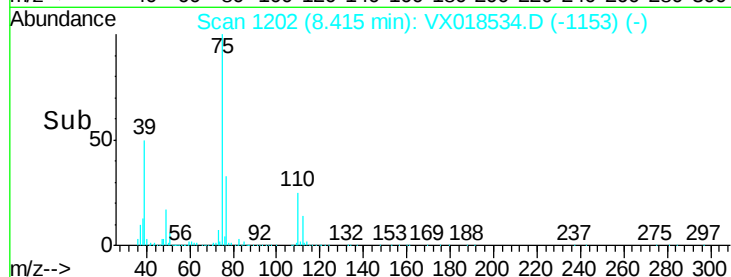
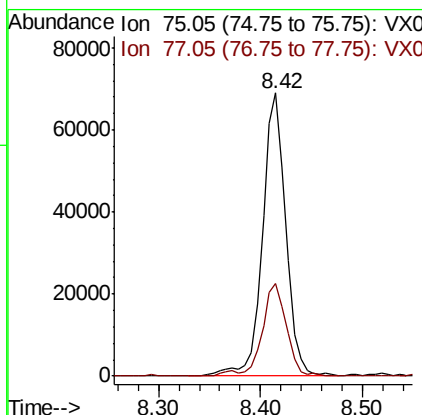
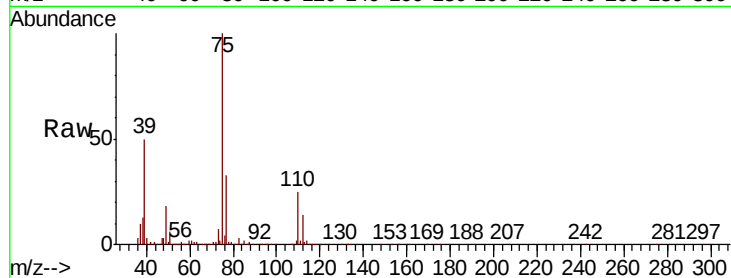
VSTD005308

Tot Ion: 75 Resp: 110355

Ion Ratio Lower Upper

75 100

77 32.8 21.2 39.4



#40

4-Methyl-2-pentanone

Concen: 58.347 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

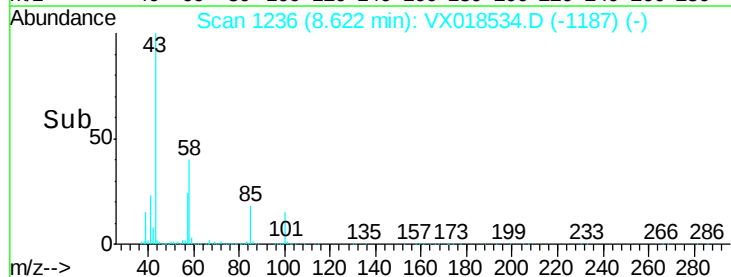
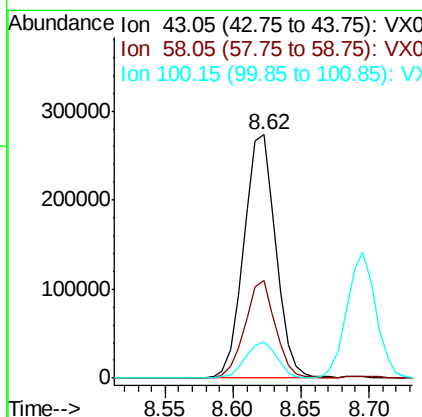
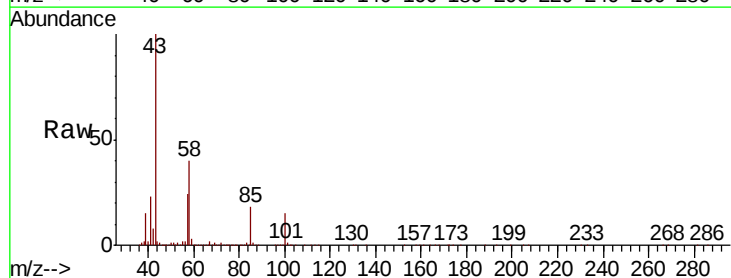
Tgt Ion: 43 Resp: 444825

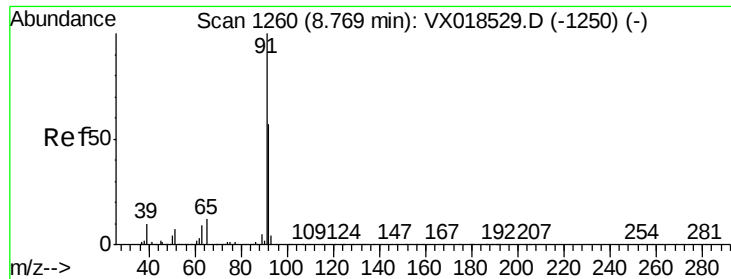
Ion Ratio Lower Upper

43 100

58 38.3 29.8 44.8

100 14.9 11.5 17.3





#42

Toluene

Concen: 5.748 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

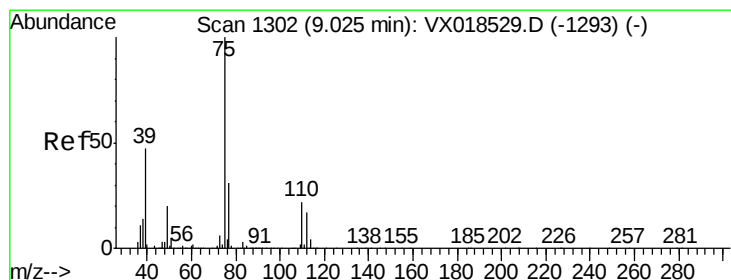
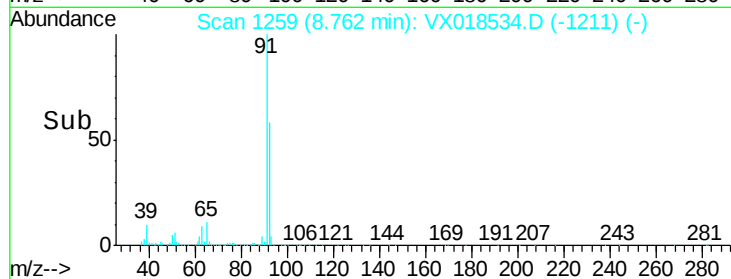
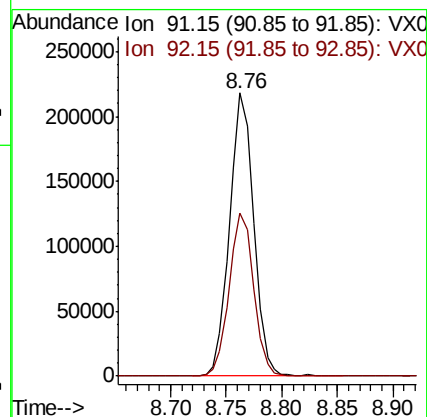
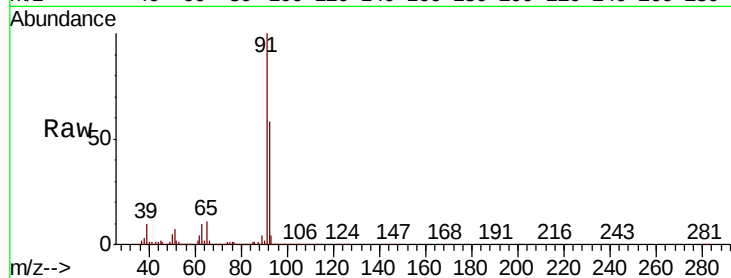
VSTD005308

Tot Ion: 91 Resp: 328625

Ion Ratio Lower Upper

91 100

92 57.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.528 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX018534.D

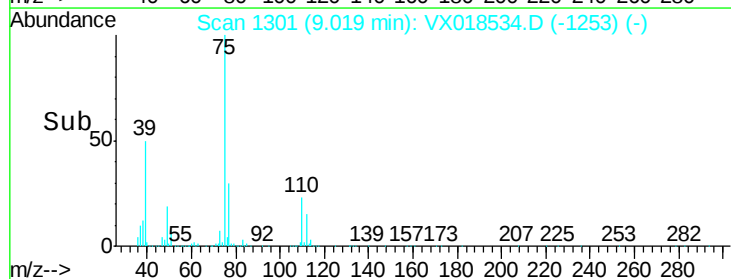
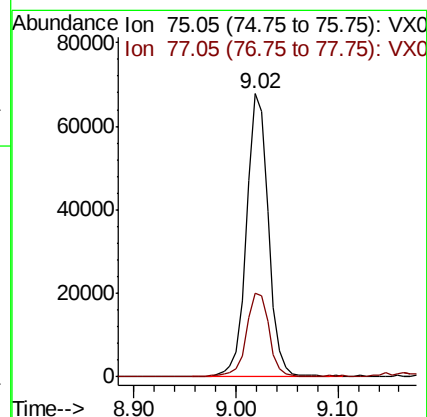
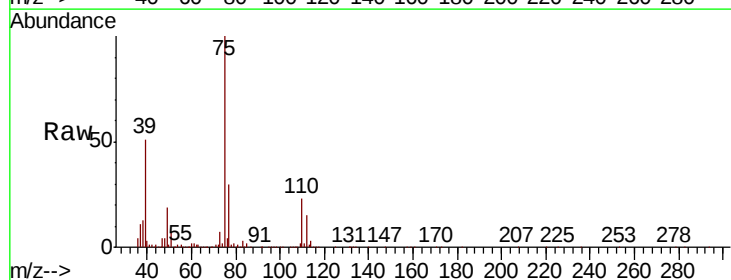
Acq: 23 Sep 2020 11:25

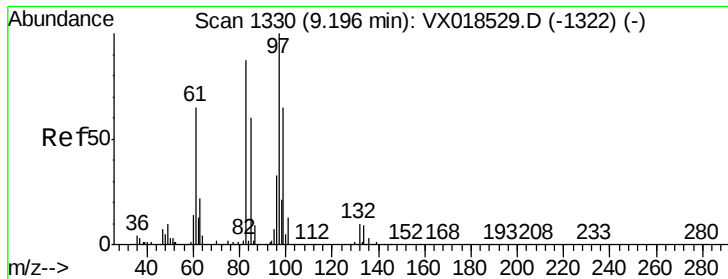
Tgt Ion: 75 Resp: 100679

Ion Ratio Lower Upper

75 100

77 29.8 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 5.732 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD005308

Tot Ion: 97 Resp: 56596

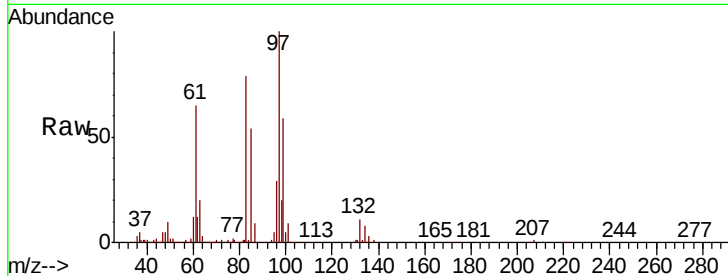
Ion Ratio Lower Upper

97 100

99 58.9 45.2 84.0

83 78.7 60.9 113.1

85 54.4 41.9 77.7



Abundance Ion 96.95 (96.65 to 97.65): VX0

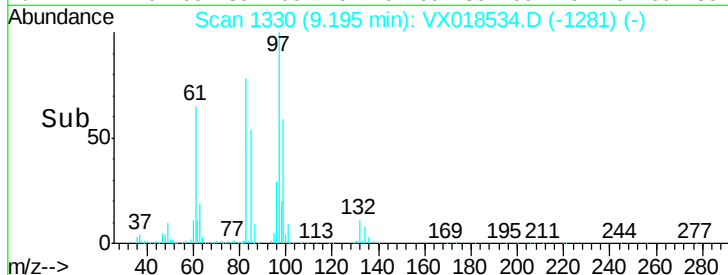
Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

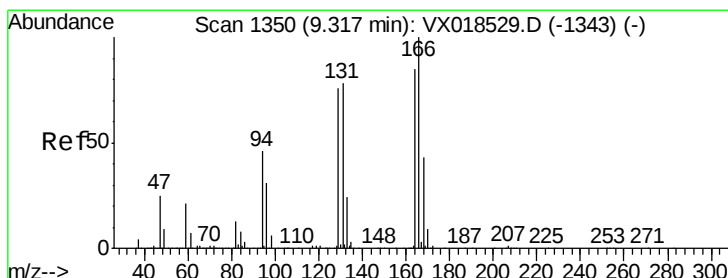
Abundance

Time-->



Abundance

Time-->



#47

Tetrachloroethene

Concen: 5.554 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Tgt Ion: 164 Resp: 69682

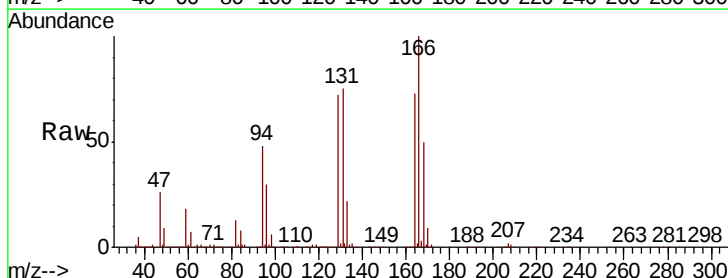
Ion Ratio Lower Upper

164 100

129 99.4 62.3 115.7

131 102.4 64.5 119.7

166 137.2 82.5 153.1



Abundance Ion 163.90 (163.60 to 164.60): V

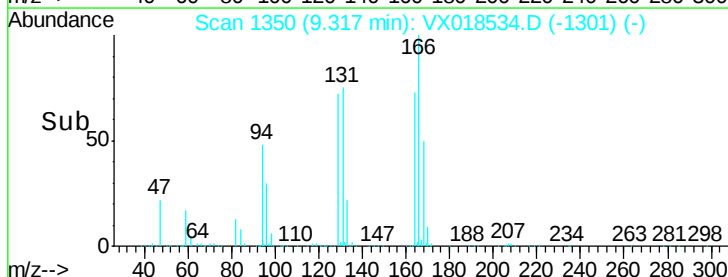
Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

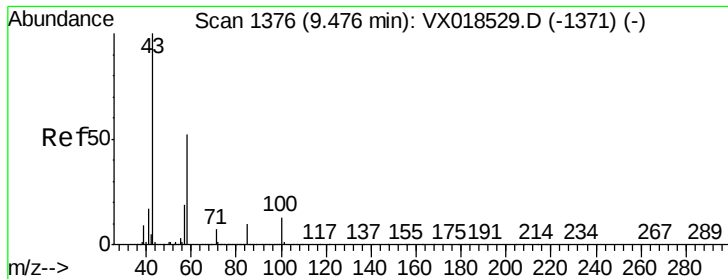
Abundance

Time-->



Abundance

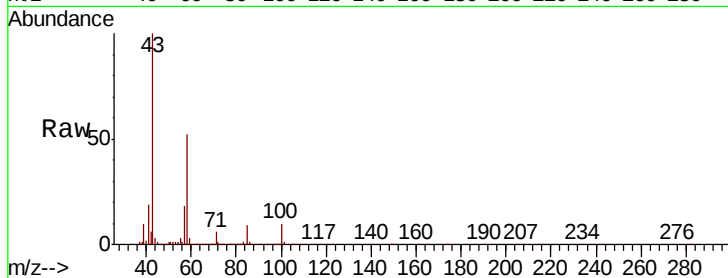
Time-->



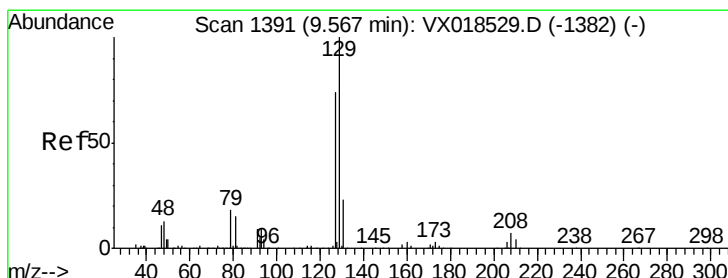
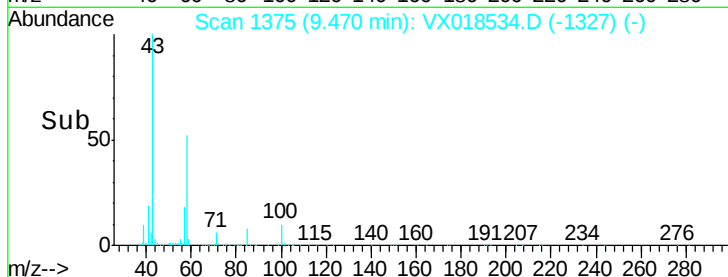
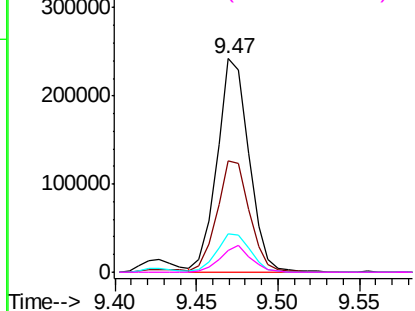
#48
2-Hexanone
Concen: 58.960 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTD005308

Tot Ion:	43	Resp:	328574
Ion	Ratio	Lower	Upper
43	100		
58	53.4	41.5	62.3
57	18.8	15.4	23.0
100	11.8	9.4	14.0

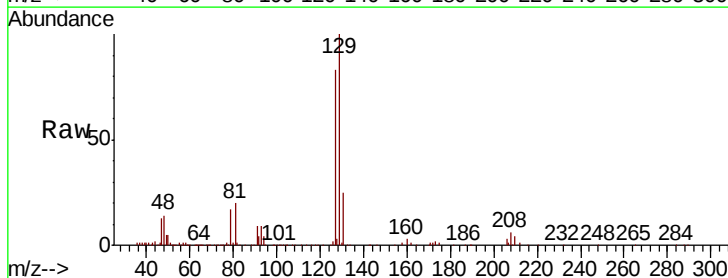


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

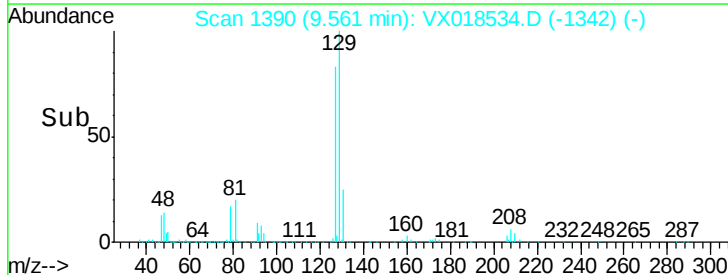
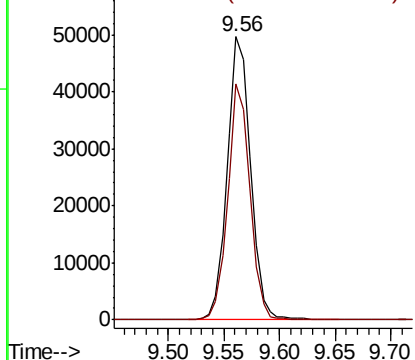


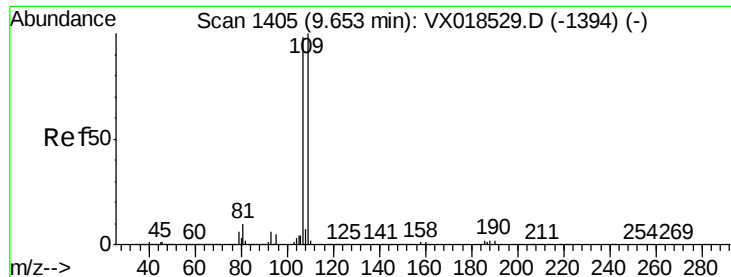
#49
Dibromochloromethane
Concen: 5.508 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Tgt Ion:	129	Resp:	71952
Ion	Ratio	Lower	Upper
129	100		
127	83.5	51.6	95.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

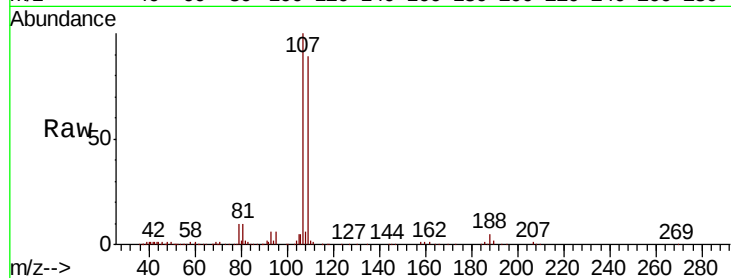




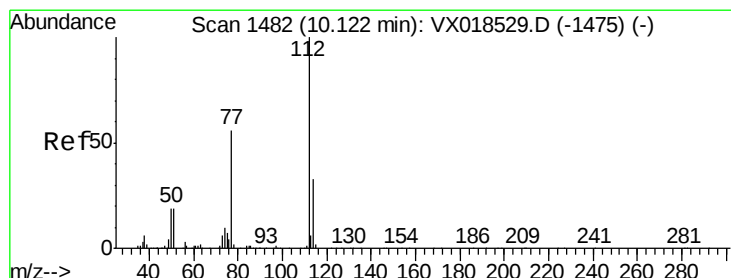
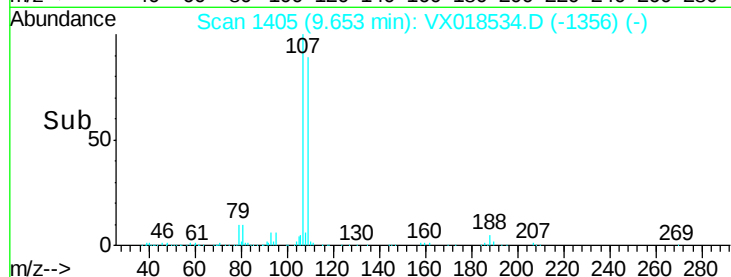
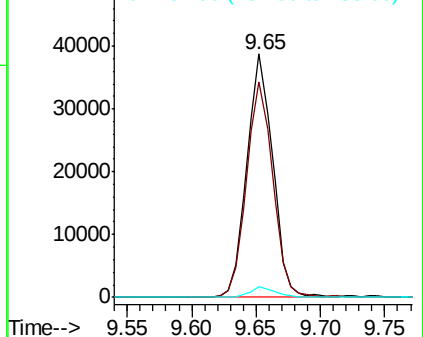
#50
 1,2-Dibromoethane
 Concen: 5.695 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005308

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.7	71.2	132.2
188	4.6	1.9	2.9#

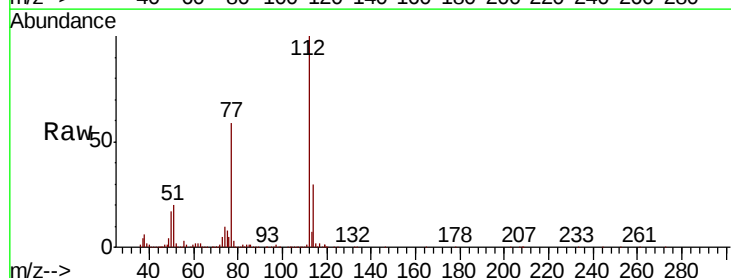


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

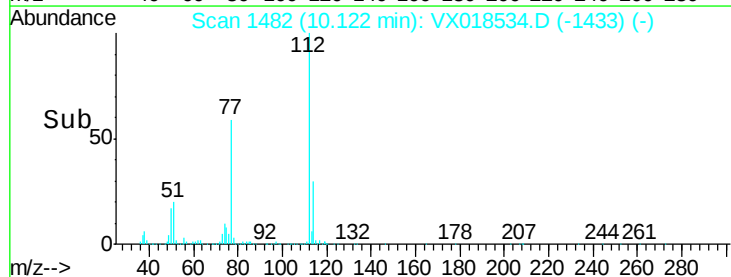
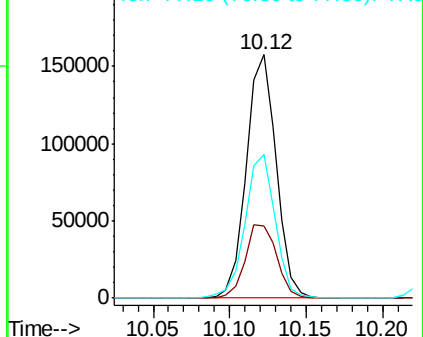


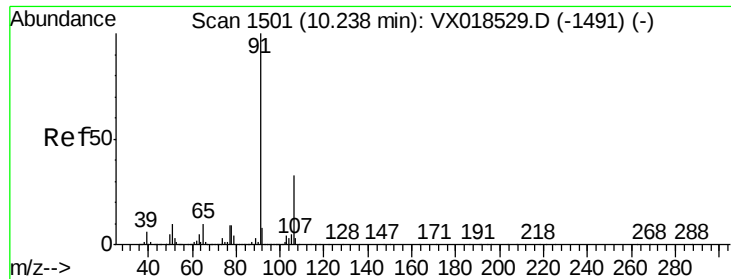
#51
 Chlorobenzene
 Concen: 5.665 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.8	23.1	42.9
77	59.3	44.9	67.3



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VX0





#52

Ethylbenzene

Concen: 5.703 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

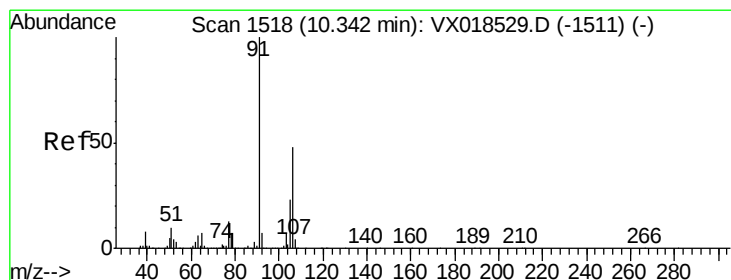
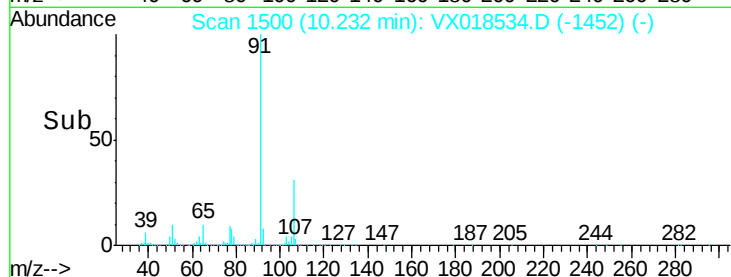
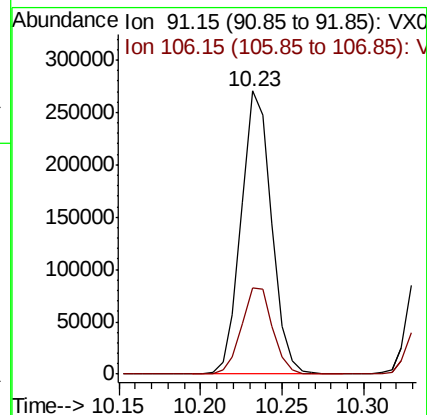
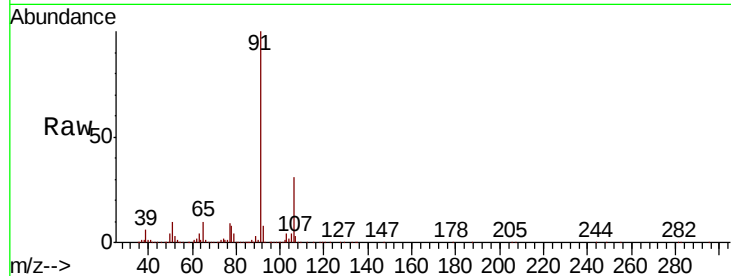
VSTD005308

Tot Ion: 91 Resp: 350419

Ion Ratio Lower Upper

91 100

106 30.6 23.3 43.3



#53

m,p-xylene

Concen: 5.859 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018534.D

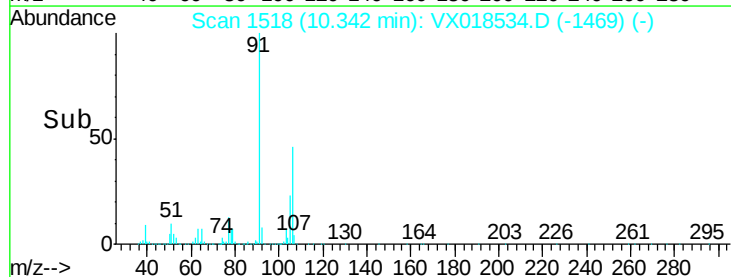
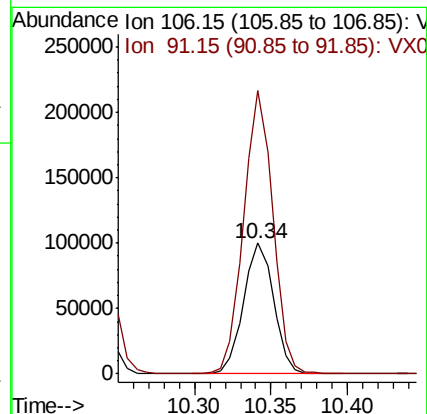
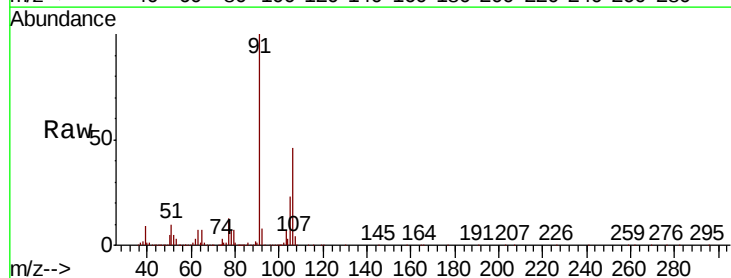
Acq: 23 Sep 2020 11:25

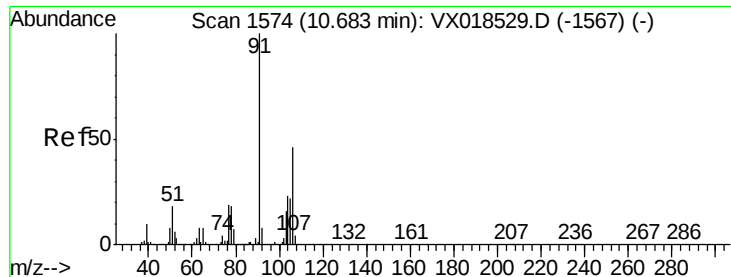
Tgt Ion: 106 Resp: 137943

Ion Ratio Lower Upper

106 100

91 216.2 146.8 272.6





#54

o-xylene

Concen: 5.927 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampled :

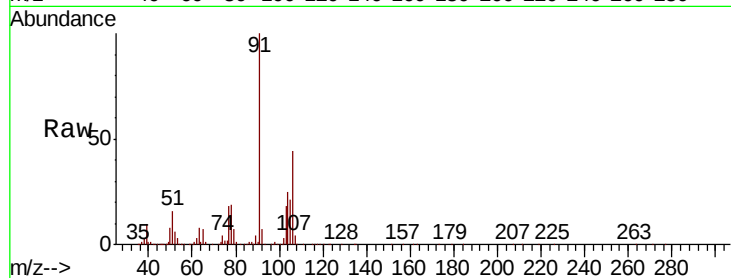
VSTD005308

Tot Ion:106 Resp: 129829

Ion Ratio Lower Upper

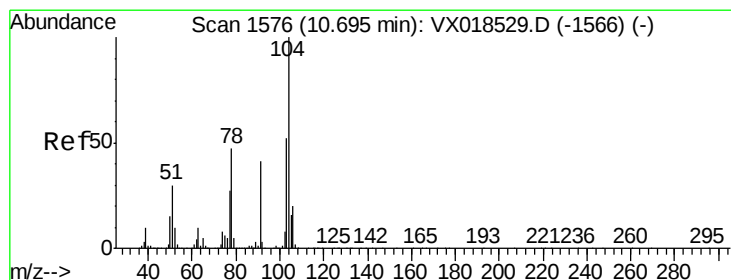
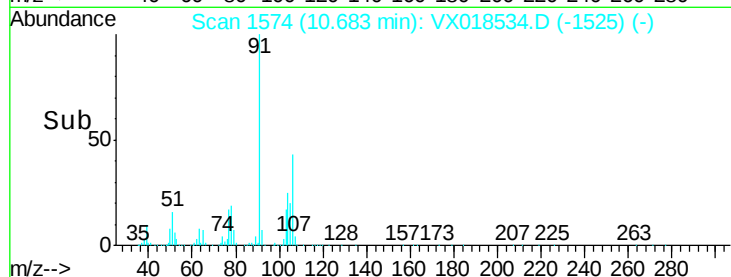
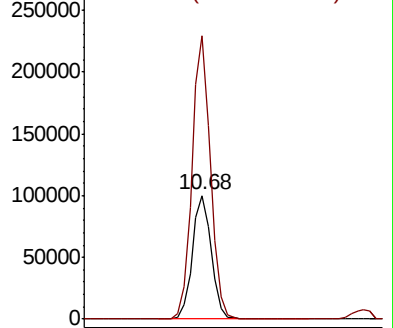
106 100

91 229.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 5.912 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX018534.D

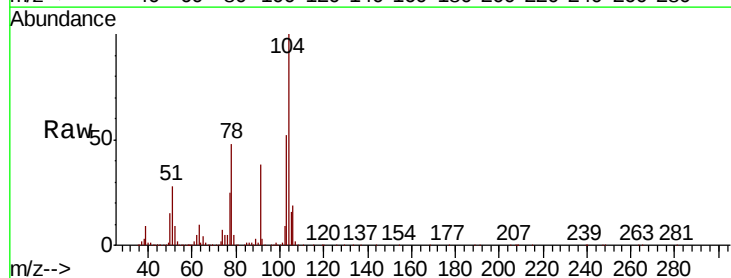
Acq: 23 Sep 2020 11:25

Tgt Ion:104 Resp: 220847

Ion Ratio Lower Upper

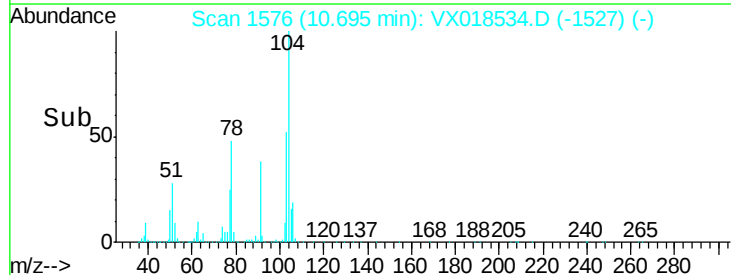
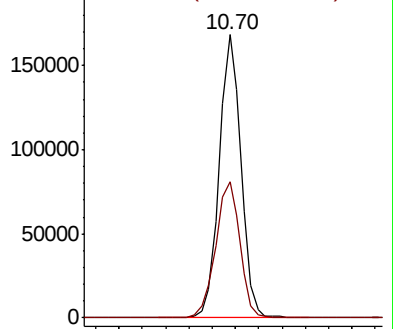
104 100

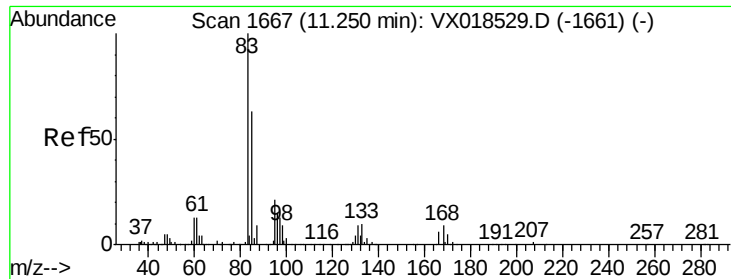
78 48.1 33.0 61.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.499 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD005308

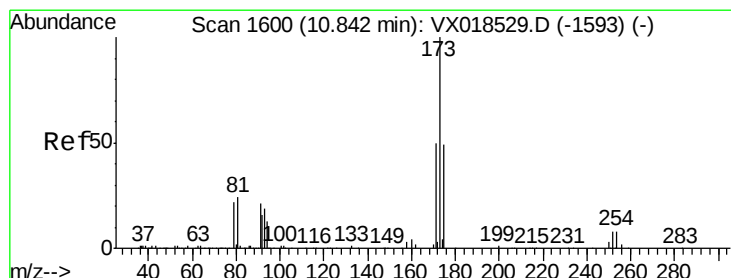
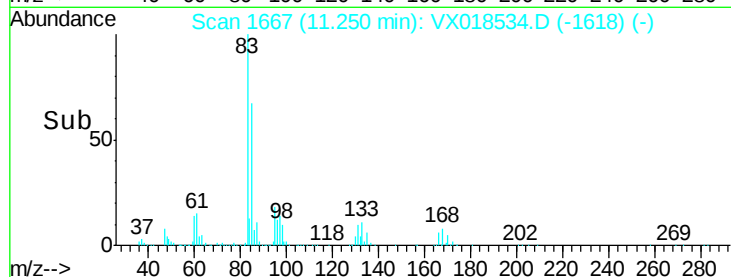
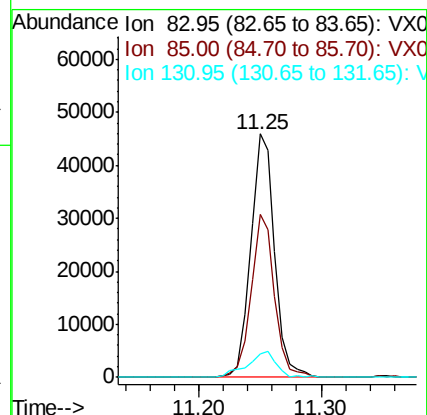
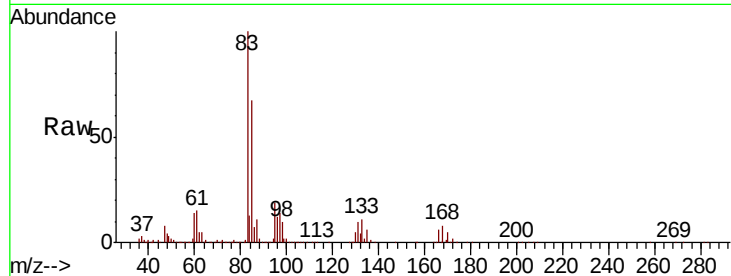
Tot Ion: 83 Resp: 61681

Ion Ratio Lower Upper

83 100

85 66.7 44.4 82.4

131 9.7 7.4 11.0



#59

Bromoform

Concen: 5.285 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

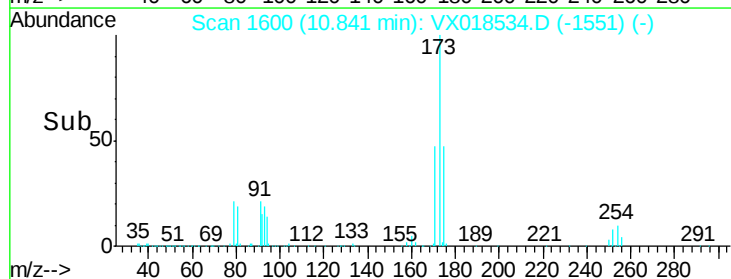
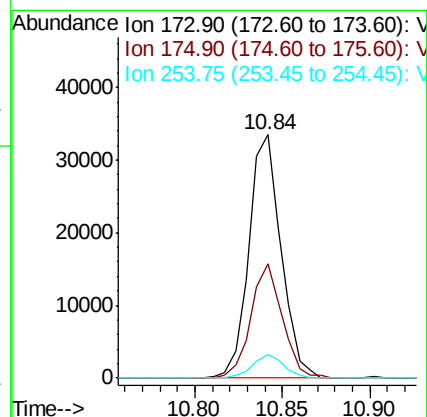
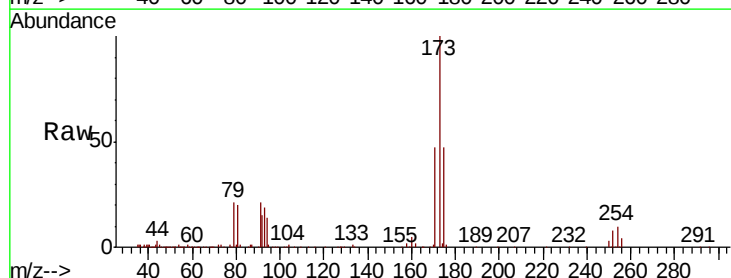
Tgt Ion: 173 Resp: 42774

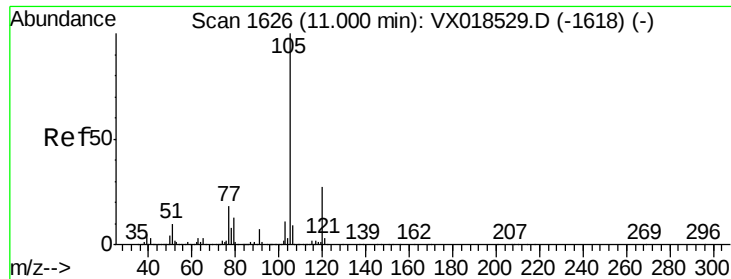
Ion Ratio Lower Upper

173 100

175 46.1 39.8 59.8

254 9.5 7.5 11.3





#60

Isopropylbenzene

Concen: 5.806 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD005308

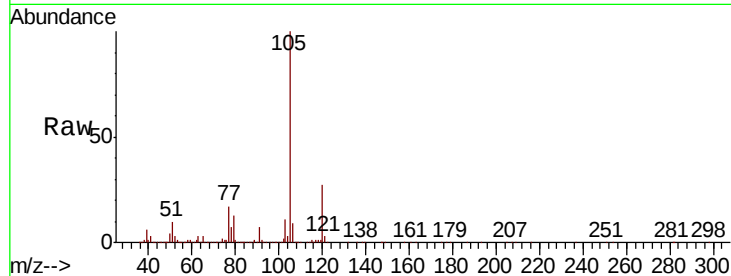
Tot Ion:105 Resp: 357930

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

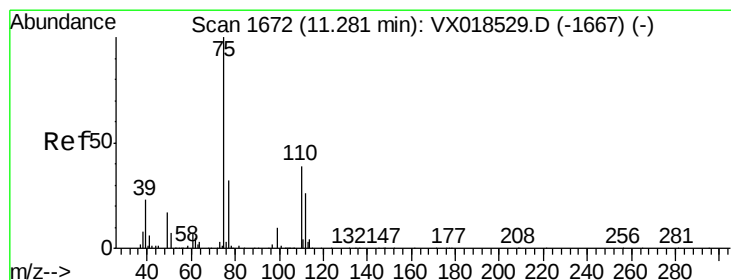
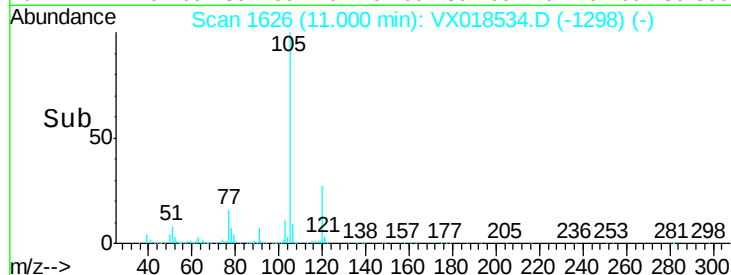
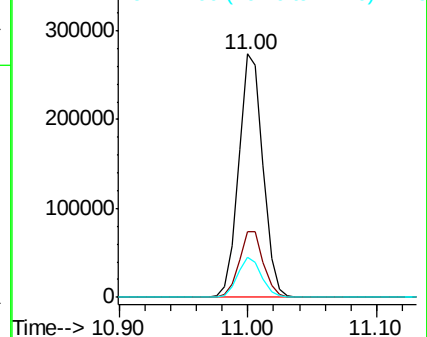
77 16.4 13.1 19.7



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



#61

1,2,3-Trichloropropane

Concen: 5.302 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

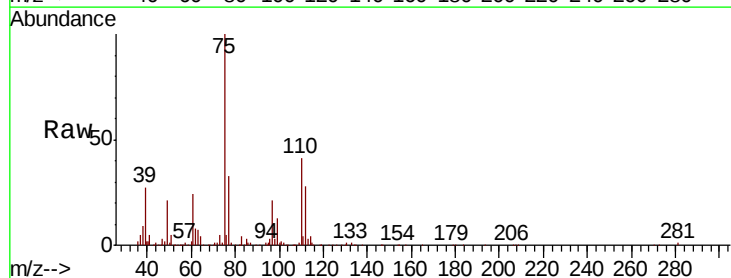
Tgt Ion: 75 Resp: 48888

Ion Ratio Lower Upper

75 100

77 30.9 27.1 40.7

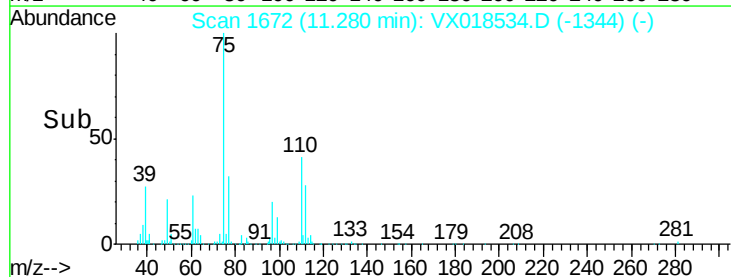
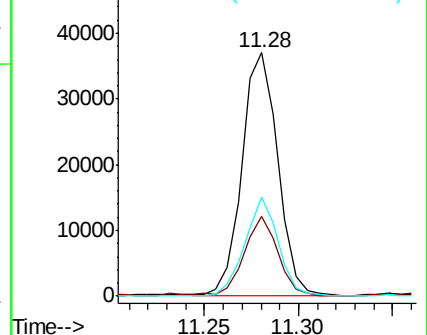
110 38.0 32.4 48.6

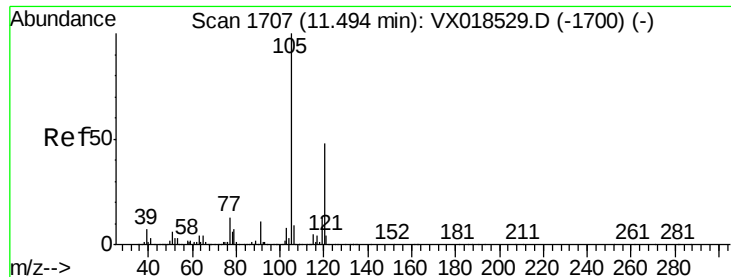


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.843 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018534.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

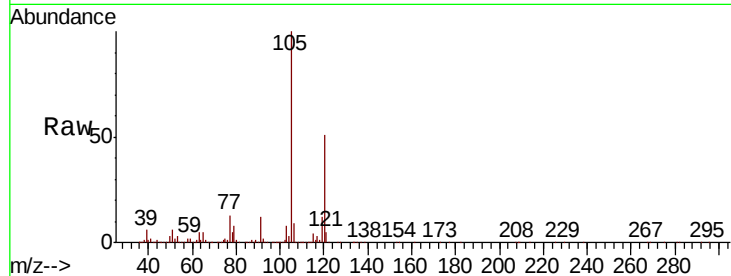
VSTD005308

Tot Ion:105 Resp: 292412

Ion Ratio Lower Upper

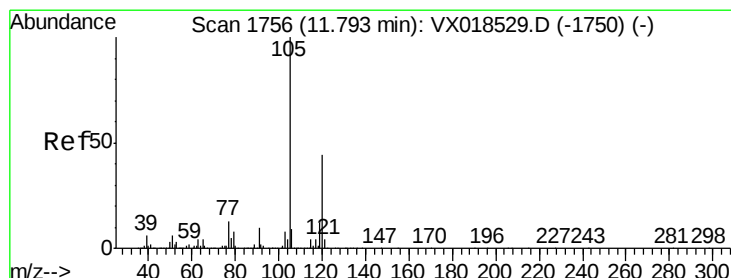
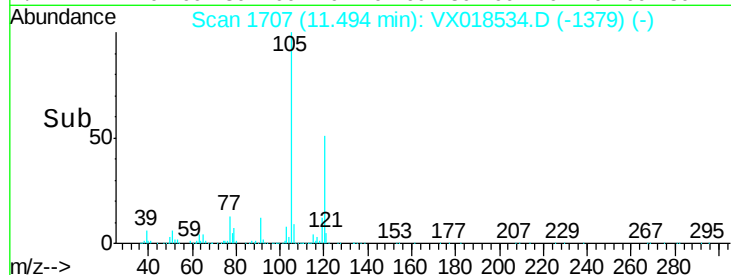
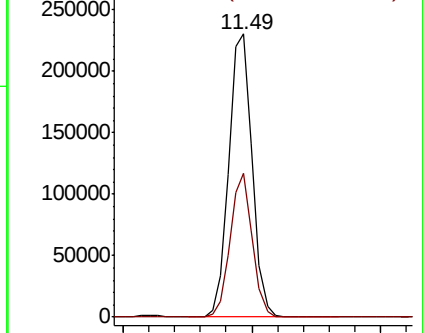
105 100

120 47.8 39.3 58.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.825 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018534.D

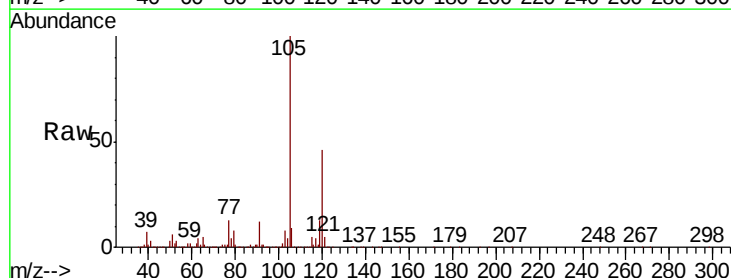
Acq: 23 Sep 2020 11:25

Tgt Ion:105 Resp: 296133

Ion Ratio Lower Upper

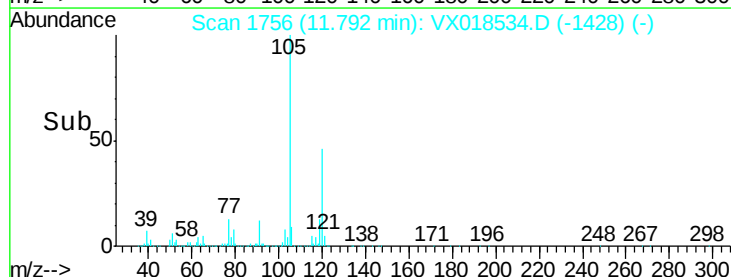
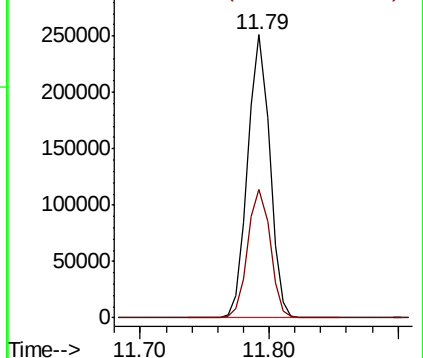
105 100

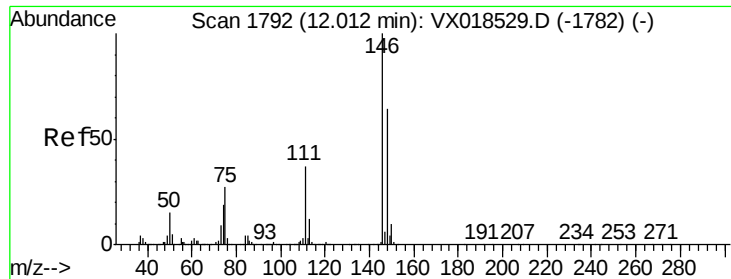
120 46.4 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

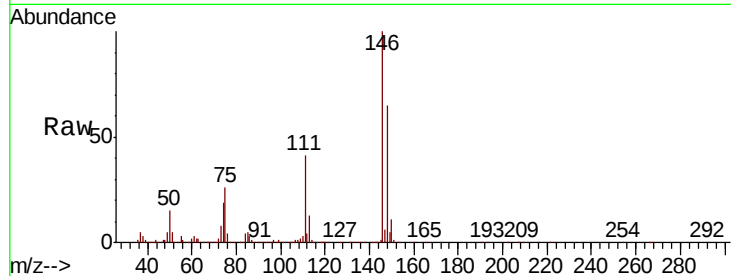




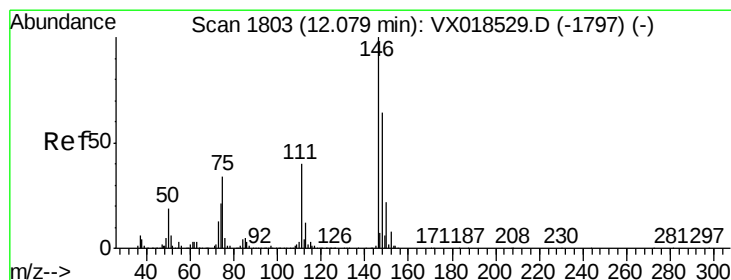
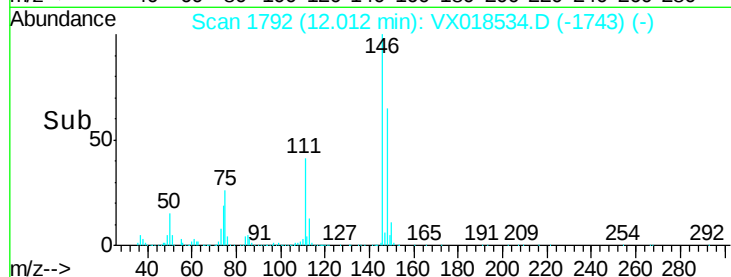
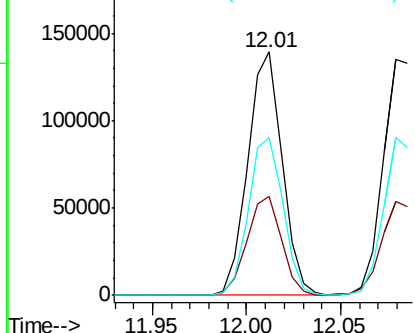
#64
 1,3-Dichlorobenzene
 Concen: 5.597 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005308

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	25.7	47.7
148	64.8	44.9	83.3

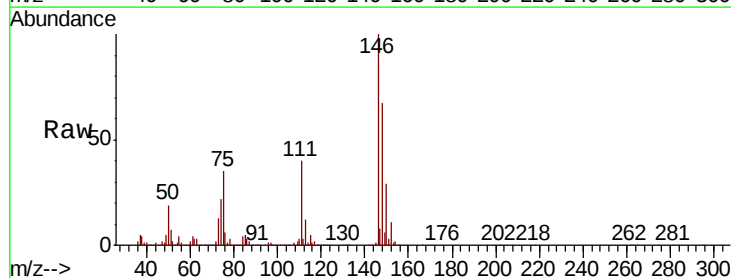


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

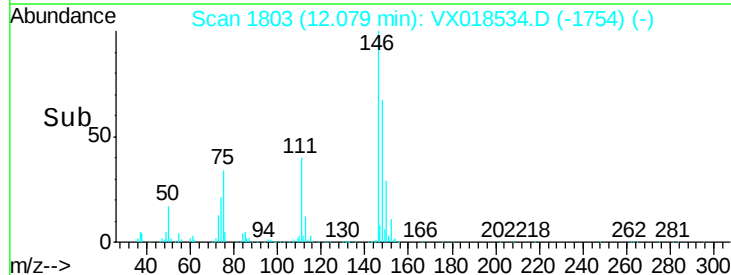
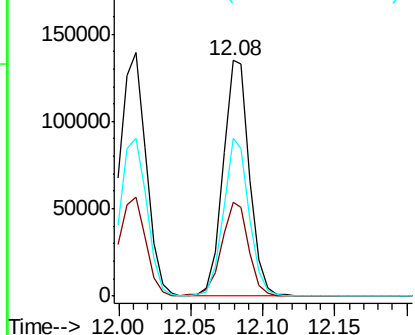


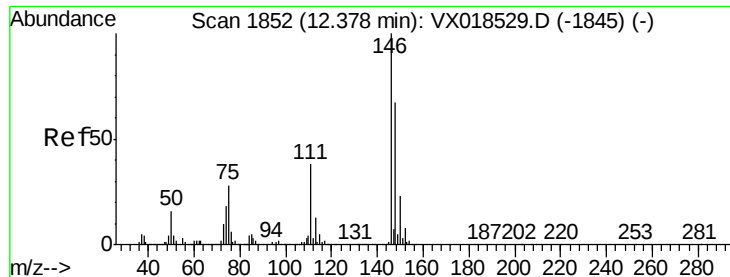
#65
 1,4-Dichlorobenzene
 Concen: 5.410 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.9	51.9
148	66.9	45.0	83.6



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

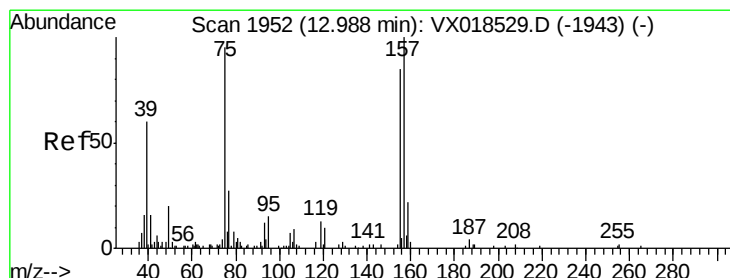
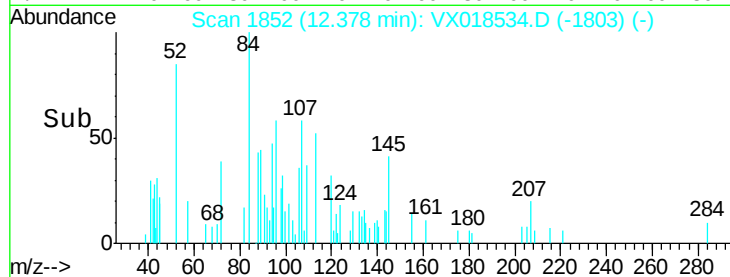
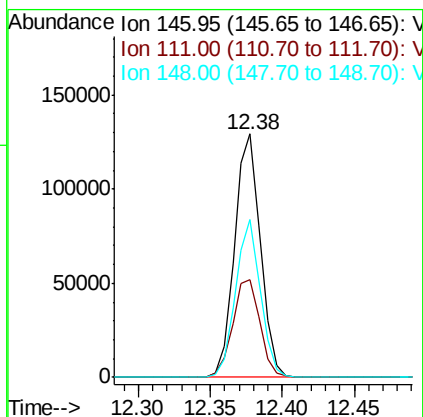
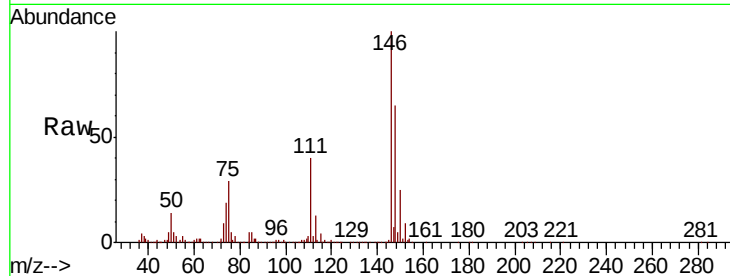




#67
 1,2-Dichlorobenzene
 Concen: 5.513 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

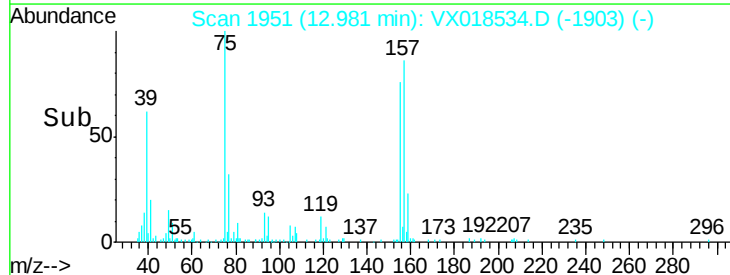
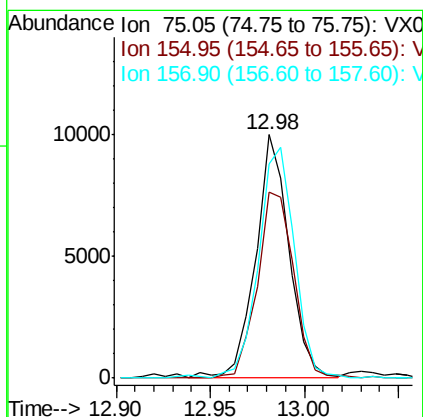
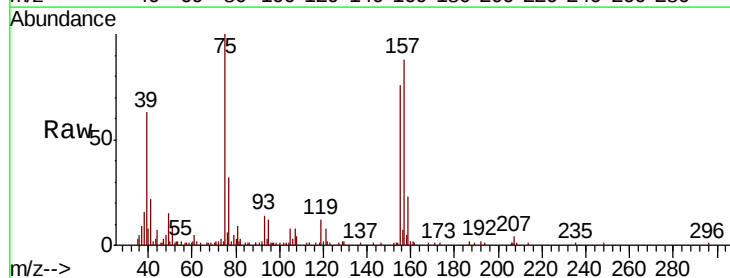
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005308

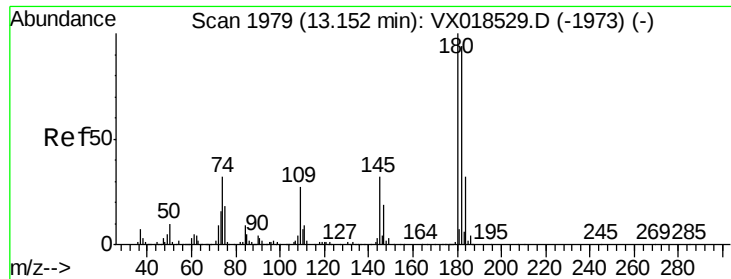
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	30.6	45.8
148	64.9	53.5	80.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.825 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	71.1	106.7
157	88.0	83.5	125.3

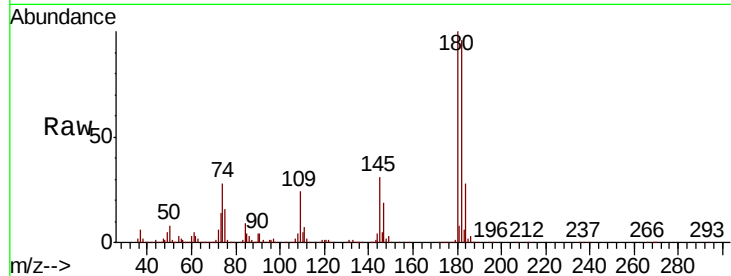




#69
 1,3,5-Trichlorobenzene
 Concen: 5.592 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005308

Tot Ion:180	Resp:	129305
Ion Ratio	Lower	Upper
180	100	
182	94.6	74.3 111.5
184	30.6	24.6 37.0
145	31.3	24.6 37.0

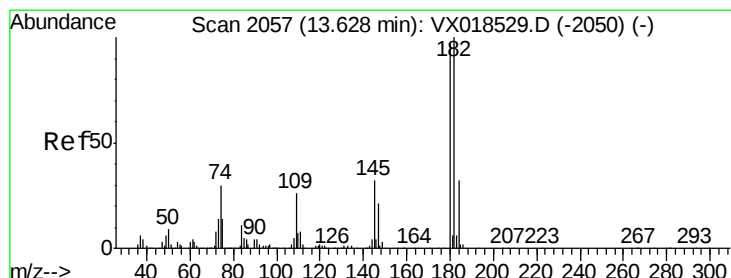
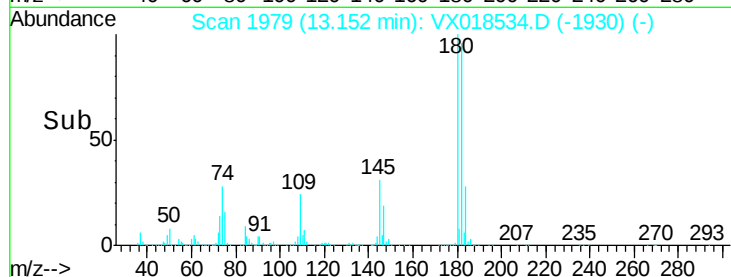
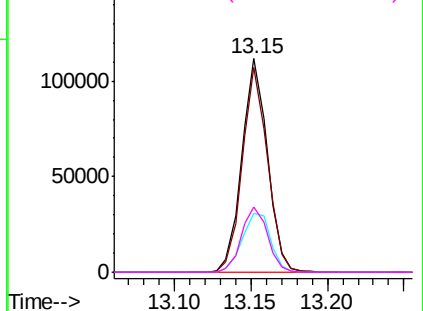


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

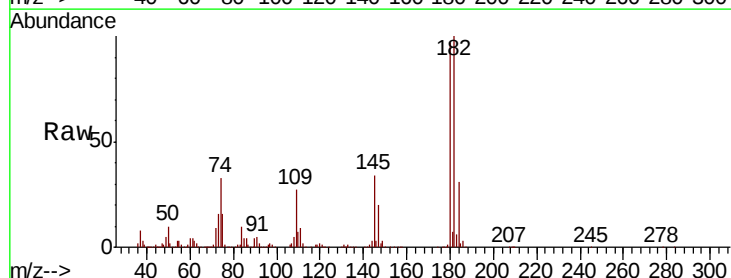
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.385 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018534.D
 Acq: 23 Sep 2020 11:25

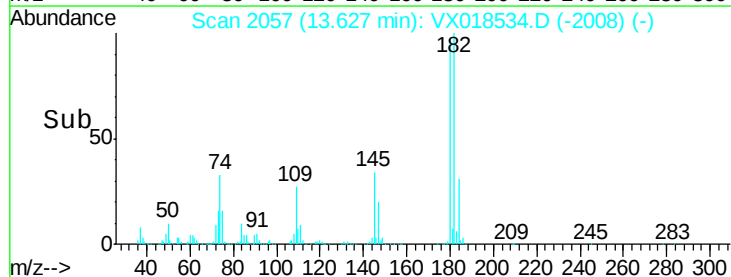
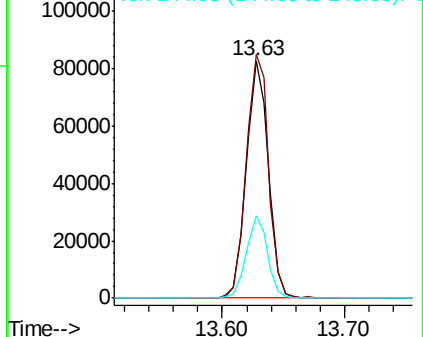
Tgt Ion:180	Resp:	103397
Ion Ratio	Lower	Upper
180	100	
182	103.7	74.7 112.1
145	33.5	26.6 39.8

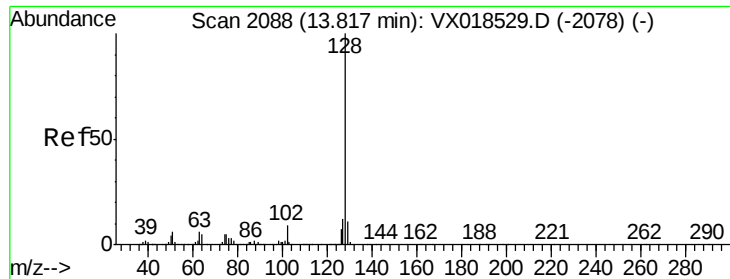


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

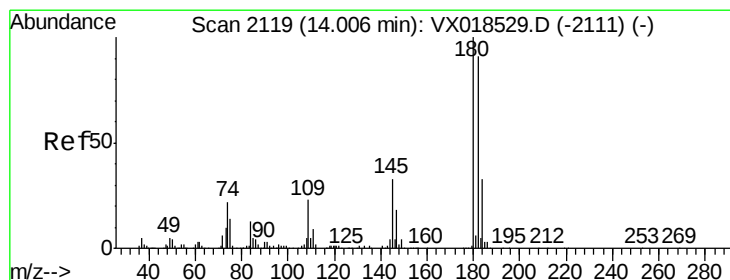
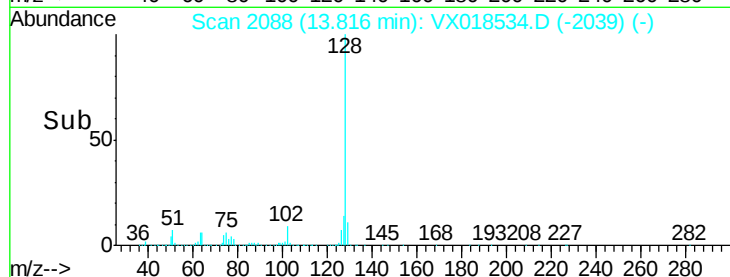
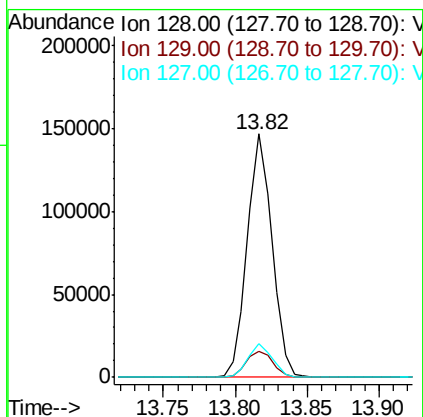
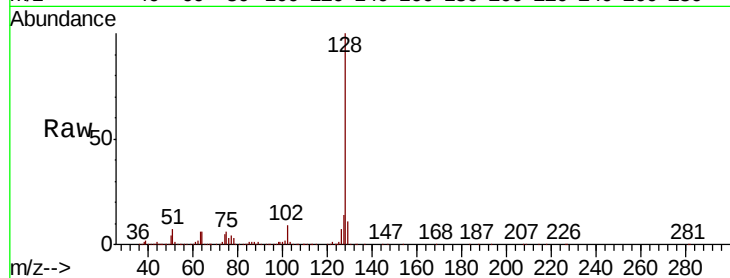




#71
Naphthalene
Concen: 5.497 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTD005308

Tot Ion:128 Resp: 175373
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.4 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 5.727 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX018534.D
Acq: 23 Sep 2020 11:25

Tgt Ion:180 Resp: 99440
Ion Ratio Lower Upper
180 100
182 91.6 76.9 115.3
145 32.9 27.6 41.4

