

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092220\
 Data File : VX018530.D
 Acq On : 22 Sep 2020 19:31
 Operator : JC/SP
 Sample : VSTD01064
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

Quant Time: Sep 23 03:51:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 23 03:43:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	298637	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	286715	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	151209	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	164815	13.71	ug/L	0.00
7) Chloroethane-d5	1.70	69	124568	13.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	353249	15.00	ug/L	0.00
20) 2-Butanone-d5	4.56	46	404826	155.30	ug/L	0.00
24) Chloroform-d	5.14	84	350307	12.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	189411	11.14	ug/L	0.00
32) Benzene-d6	6.05	84	668507	9.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	198490	9.68	ug/L	0.00
41) Toluene-d8	8.70	98	653275	9.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	85136	9.71	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	350706	115.16	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	150413	9.86	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	235043	9.01	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	175255	6.564	ug/L	100
3) Chloromethane	1.31	50	147833	11.441	ug/L	98
5) Vinyl chloride	1.39	62	154240	11.507	ug/L	95
6) Bromomethane	1.64	94	90750	11.347	ug/L	92
8) Chloroethane	1.71	64	88590	12.282	ug/L	99
9) Trichlorofluoromethane	1.92	101	257844	9.878	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	147340	12.502	ug/L	98
12) 1,1-Dichloroethene	2.35	96	137284	12.833	ug/L	98
13) Acetone	2.46	43	205848	135.998	ug/L	98
14) Carbon disulfide	2.55	76	428753	8.154	ug/L	95
15) Methyl Acetate	2.76	43	53007	10.044	ug/L	92
16) Methylene chloride	2.84	84	140152	7.064	ug/L	97
17) Methyl tert-butyl Ether	3.17	73	318832	8.024	ug/L	98
18) trans-1,2-Dichloroethene	3.14	96	141116	7.380	ug/L	96
19) 1,1-Dichloroethane	3.67	63	254120	8.049	ug/L	98
21) 2-Butanone	4.66	43	346396	133.556	ug/L	98
22) cis-1,2-Dichloroethene	4.57	96	144040	7.142	ug/L	# 86
23) Bromochloromethane	4.98	128	71177	8.316	ug/L	97
25) Chloroform	5.18	83	276445	6.370	ug/L	94
27) 1,2-Dichloroethane	6.17	62	173725	8.949	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	257437	7.711	ug/L	97
30) Cyclohexane	5.55	56	218315	7.159	ug/L	99
31) Carbon tetrachloride	5.76	117	238336	8.209	ug/L	99
33) Benzene	6.11	78	540367	7.250	ug/L	100
34) Trichloroethene	7.19	95	151482	7.129	ug/L	94
35) Methylcyclohexane	7.44	83	226450	6.567	ug/L	97
37) 1,2-Dichloropropane	7.49	63	138369	7.838	ug/L	99
38) Bromodichloromethane	7.87	83	193411	7.722	ug/L	96
39) cis-1,3-Dichloropropene	8.41	75	209707	7.620	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	854236	97.623	ug/L	99

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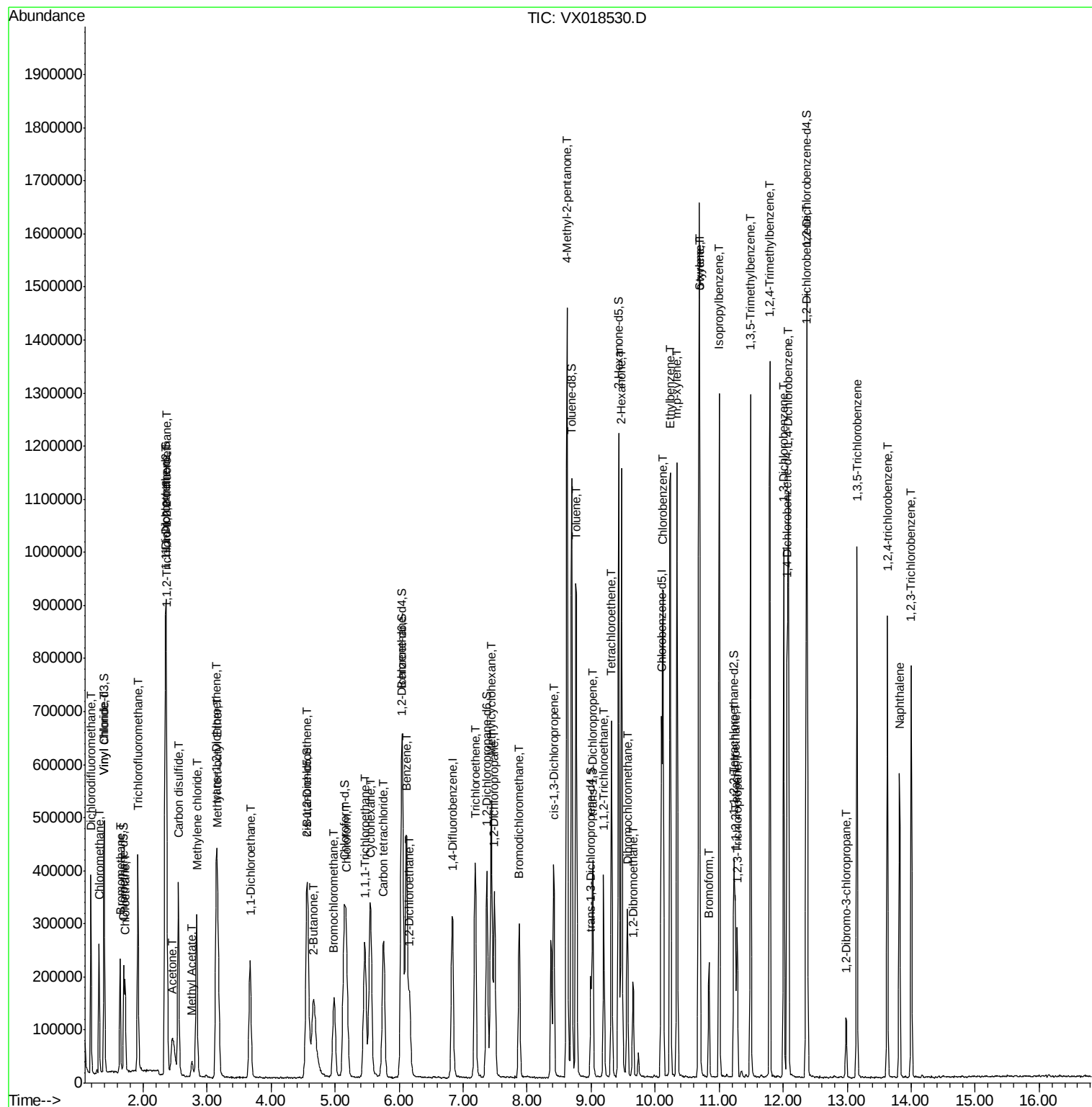
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	599412	7.393	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	188525	8.381	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	99067	7.563	ug/L	94
47) Tetrachloroethene	9.32	164	128680	7.635	ug/L	97
48) 2-Hexanone	9.48	43	618533	97.689	ug/L	99
49) Dibromochloromethane	9.57	129	132897	7.830	ug/L	95
50) 1,2-Dibromoethane	9.65	107	93877	7.485	ug/L #	96
51) Chlorobenzene	10.12	112	384765	7.142	ug/L	95
52) Ethylbenzene	10.24	91	653553	7.113	ug/L	97
53) m,p-xylene	10.34	106	262075	7.442	ug/L	97
54) o-xylene	10.68	106	243452	7.219	ug/L	99
55) Styrene	10.69	104	419374	7.502	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	117643	7.931	ug/L	100
59) Bromoform	10.84	173	79052	8.536	ug/L	96
60) Isopropylbenzene	11.01	105	661130	6.844	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	87545	7.715	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	544710	6.804	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	570169	7.231	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	318198	6.928	ug/L	99
65) 1,4-Dichlorobenzene	12.08	146	316640	7.046	ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	303045	7.469	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	23253	8.471	ug/L	94
69) 1,3,5-Trichlorobenzene	13.15	180	228079	6.782	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	199252	7.112	ug/L	97
71) Naphthalene	13.82	128	338847	7.133	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	178657	7.231	ug/L	96

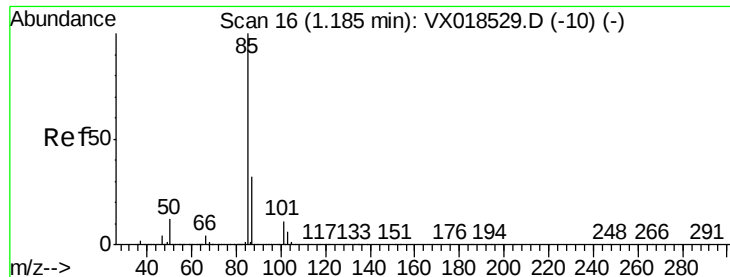
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.564 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

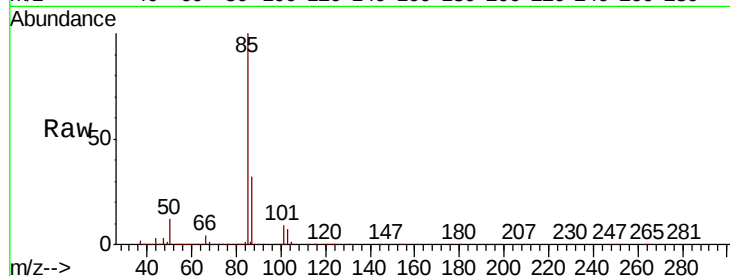
VSTD010304

Tot Ion: 85 Resp: 175255

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

250000

200000

150000

100000

50000

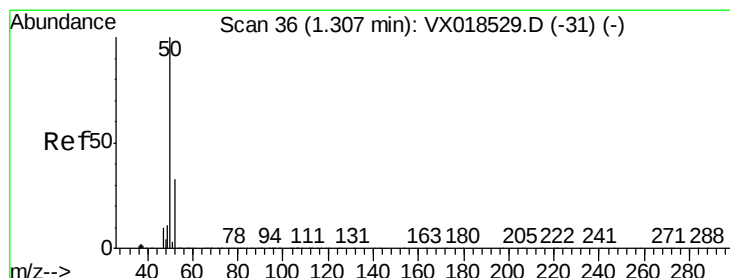
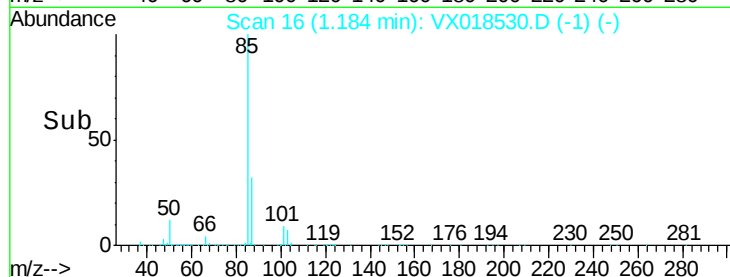
0

1.15

1.20

1.25

Time-->



#3

Chloromethane

Concen: 11.441 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.01 min

Lab File: VX018530.D

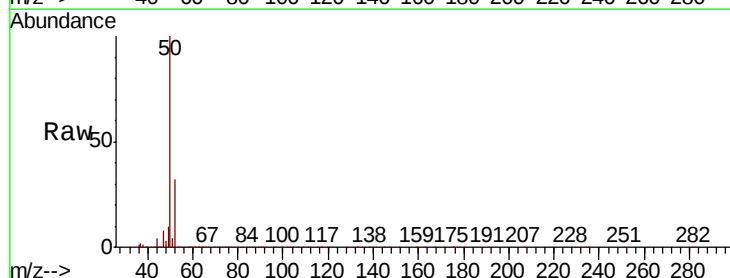
Acq: 22 Sep 2020 19:31

Tgt Ion: 50 Resp: 147833

Ion Ratio Lower Upper

50 100

52 31.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

150000

100000

50000

0

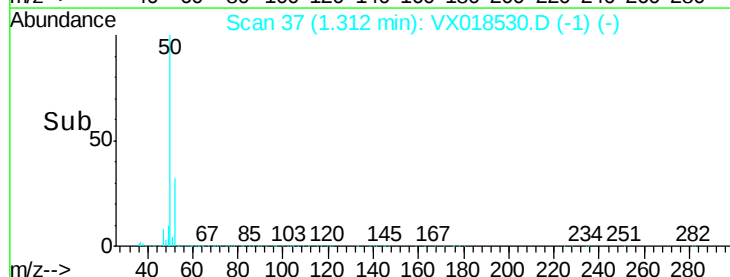
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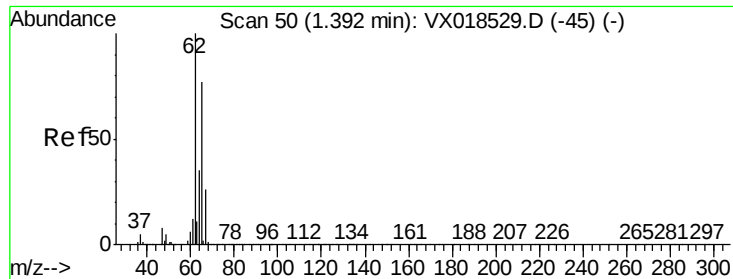
1.30

1.35

1.40

Time-->





#5

Vinyl chloride

Concen: 11.507 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

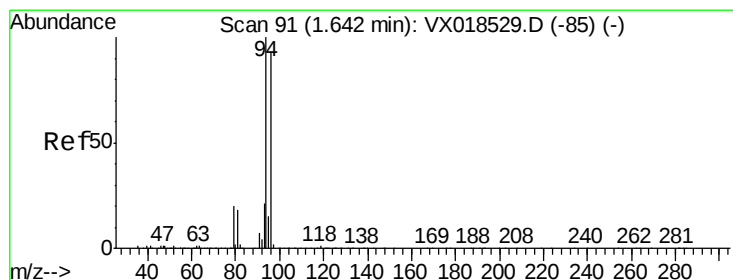
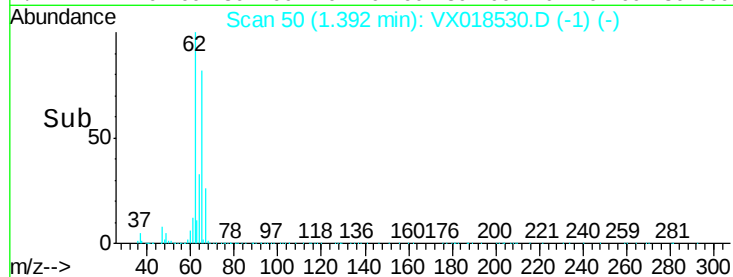
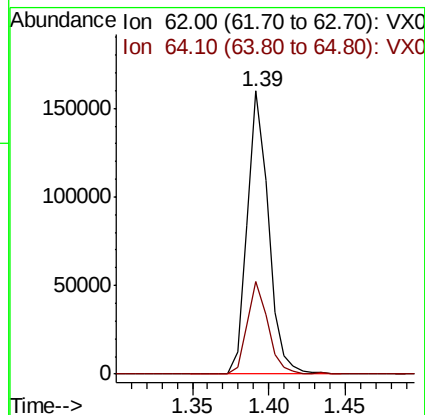
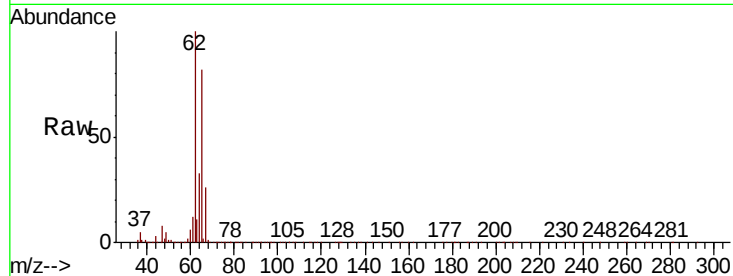
VSTD010304

Tot Ion: 62 Resp: 154240

Ion Ratio Lower Upper

62 100

64 32.6 24.8 46.0



#6

Bromomethane

Concen: 11.347 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX018530.D

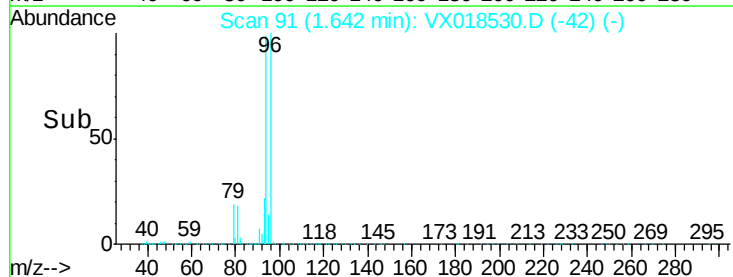
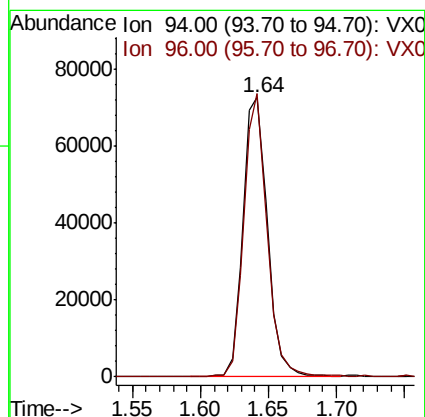
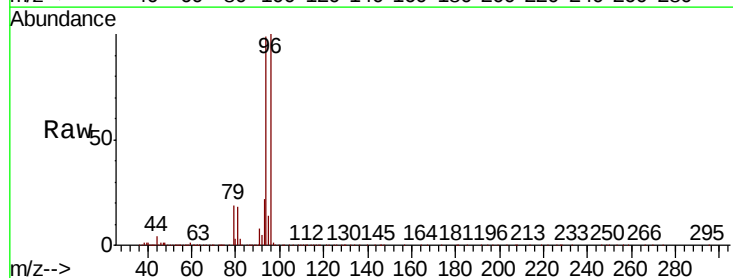
Acq: 22 Sep 2020 19:31

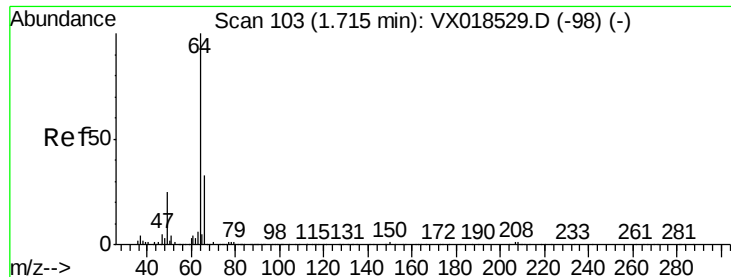
Tgt Ion: 94 Resp: 90750

Ion Ratio Lower Upper

94 100

96 101.3 65.2 121.2

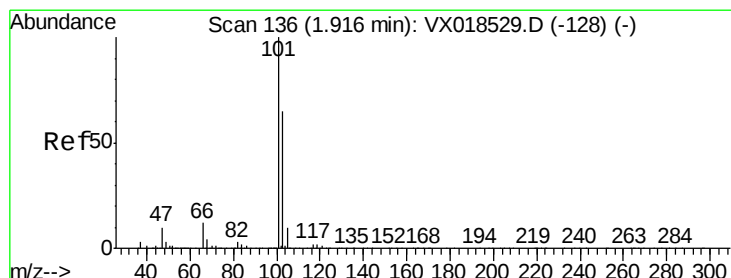
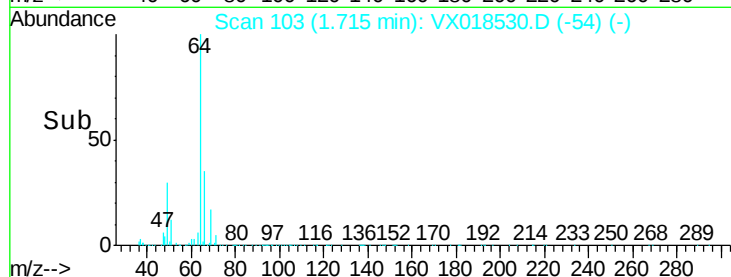
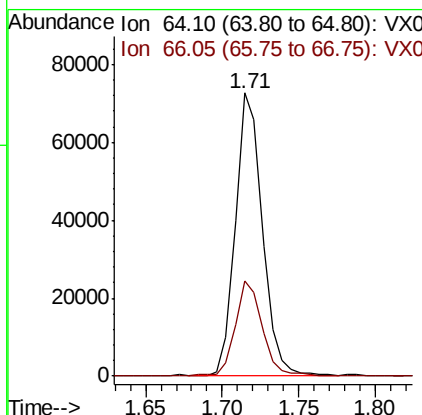
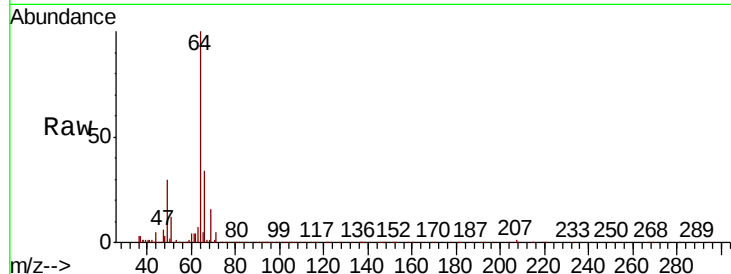




#8
Chloroethane
Concen: 12.282 ug/L
RT: 1.71 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

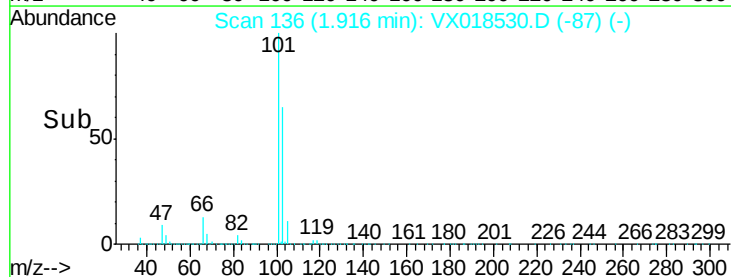
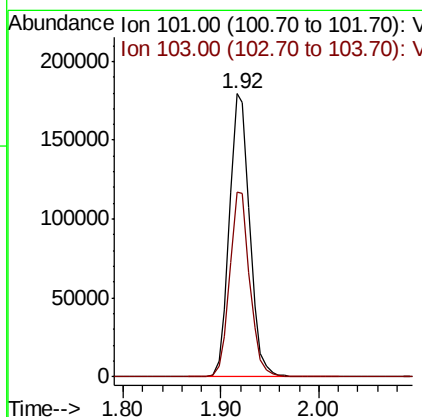
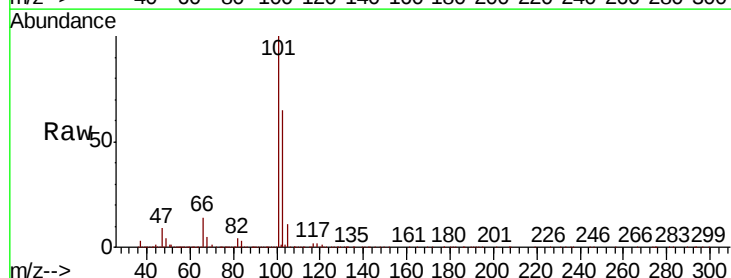
Instrument :
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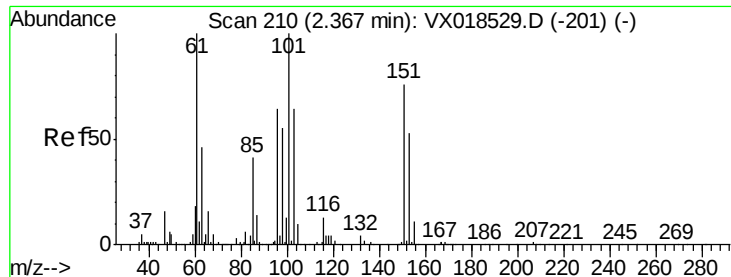
Tot Ion: 64 Resp: 88590
Ion Ratio Lower Upper
64 100
66 33.9 23.4 43.4



#9
Trichlorofluoromethane
Concen: 9.878 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Tgt Ion: 101 Resp: 257844
Ion Ratio Lower Upper
101 100
103 64.5 50.2 75.2





#10

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

Concen: 12.502 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

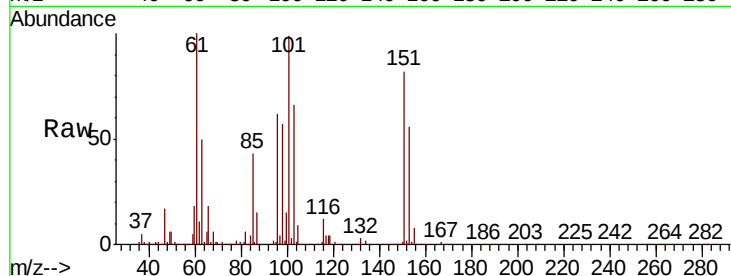
Tot Ion:101 Resp: 147340

Ion Ratio Lower Upper

101 100

85 44.0 35.9 53.9

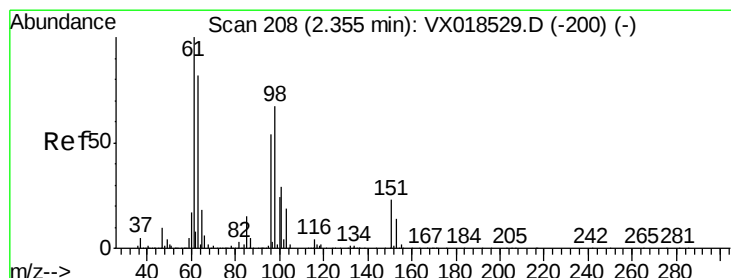
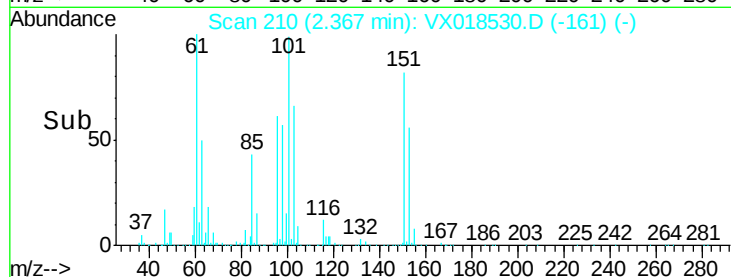
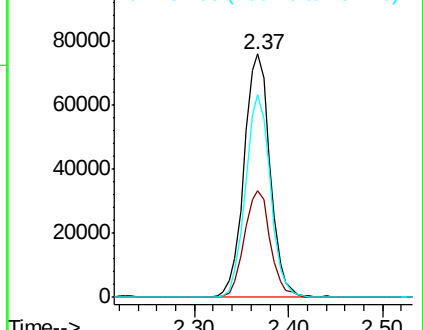
151 80.3 62.4 93.6



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: 12.833 ug/L

RT: 2.35 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

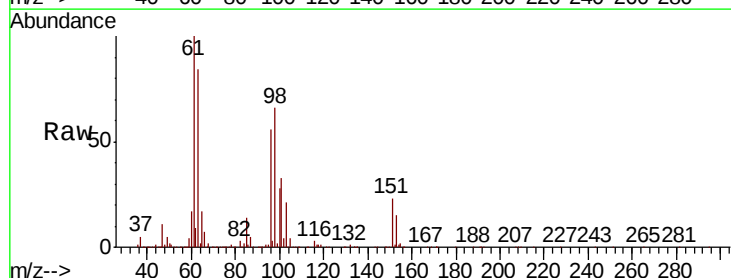
Tgt Ion: 96 Resp: 137284

Ion Ratio Lower Upper

96 100

61 180.1 128.9 239.3

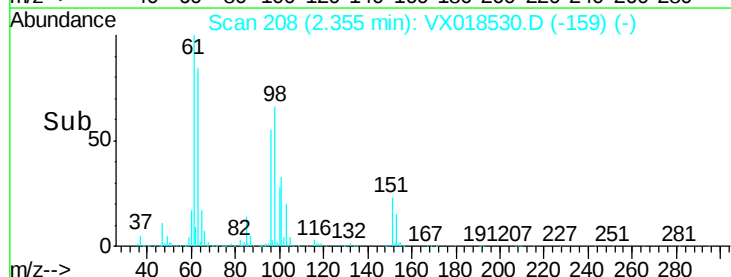
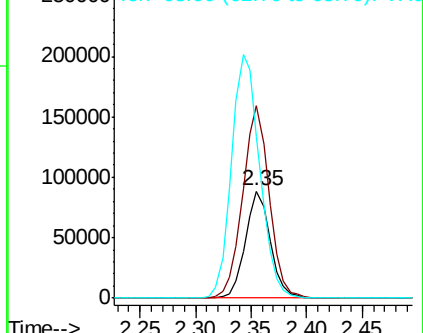
63 151.6 105.6 196.2

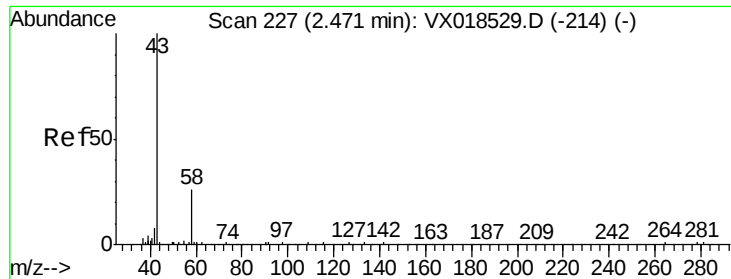


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 135.998 ug/L

RT: 2.46 min Scan# 225

Delta R.T. -0.01 min

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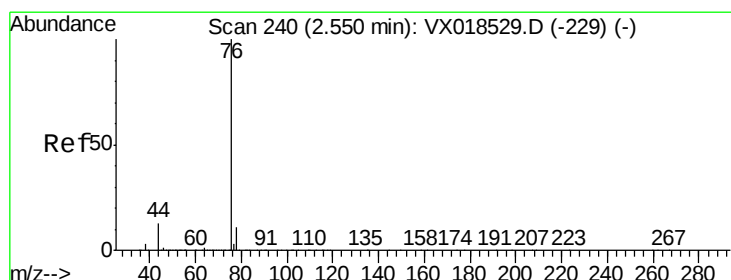
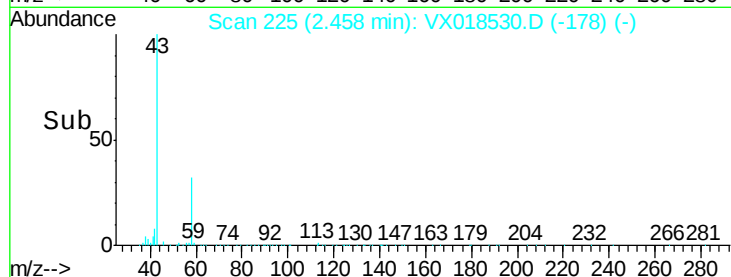
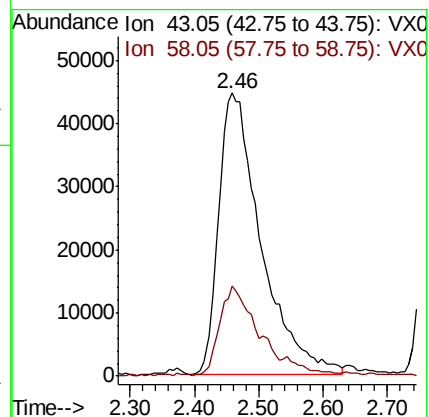
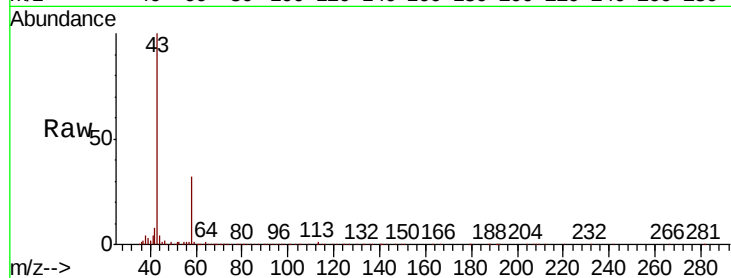
VSTD010304

Tot Ion: 43 Resp: 205848

Ion Ratio Lower Upper

43 100

58 30.3 0.0 58.0



#14

Carbon disulfide

Concen: 8.154 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018530.D

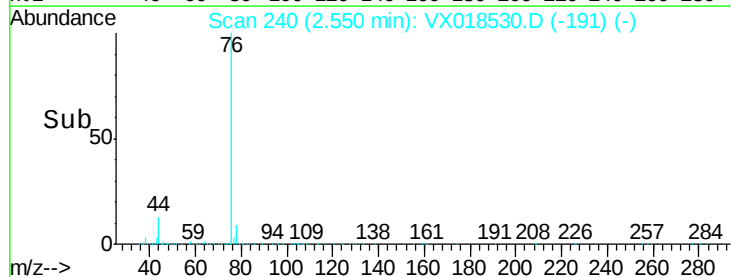
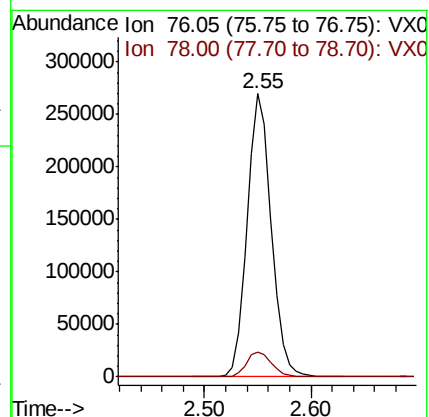
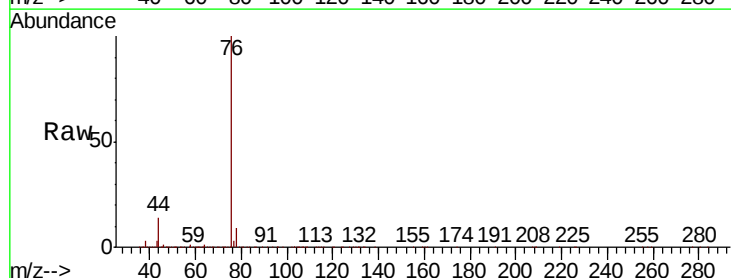
Acq: 22 Sep 2020 19:31

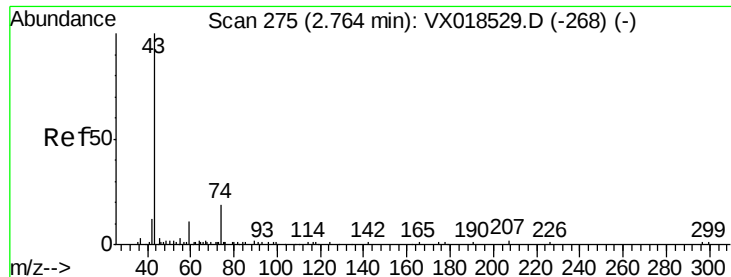
Tgt Ion: 76 Resp: 428753

Ion Ratio Lower Upper

76 100

78 8.7 8.5 12.7

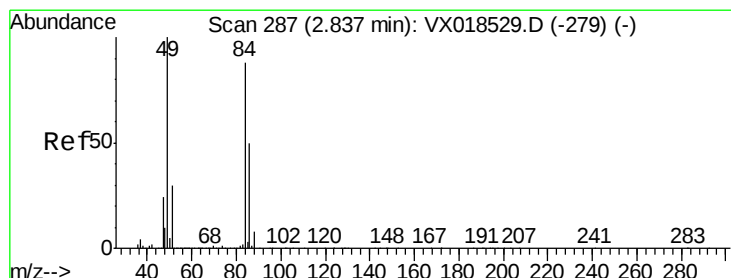
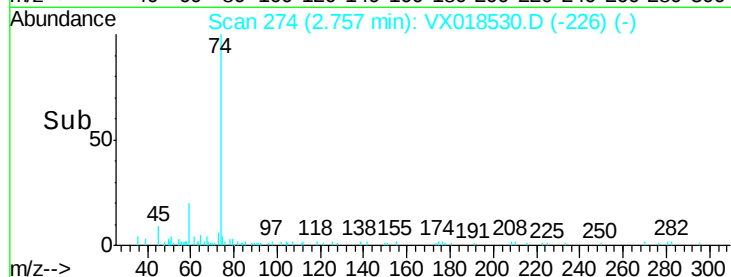
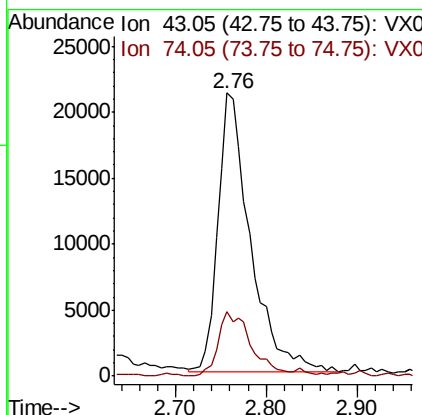
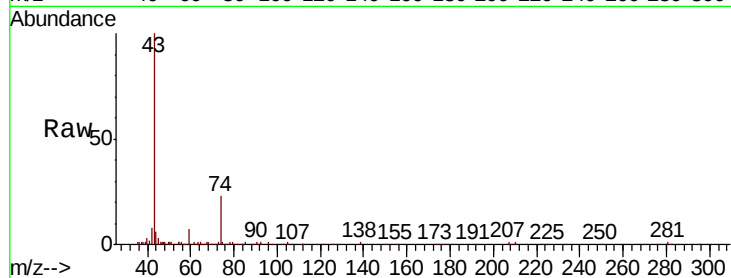




#15
Methyl Acetate
Concen: 10.044 ug/L
RT: 2.76 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

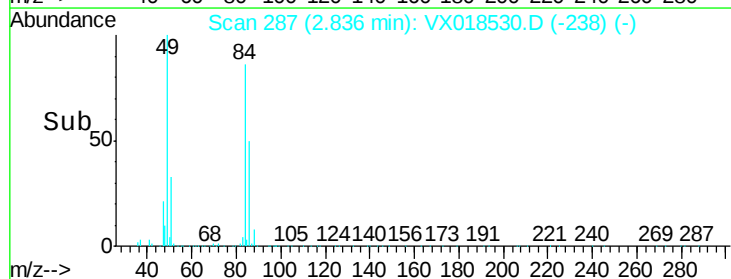
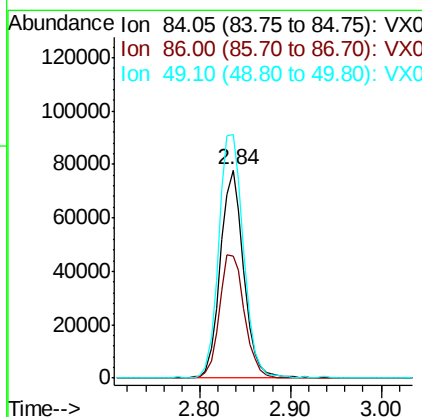
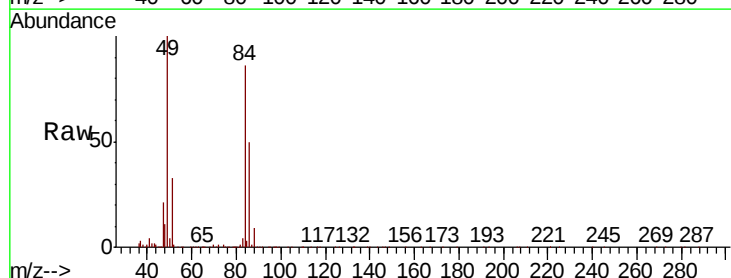
Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

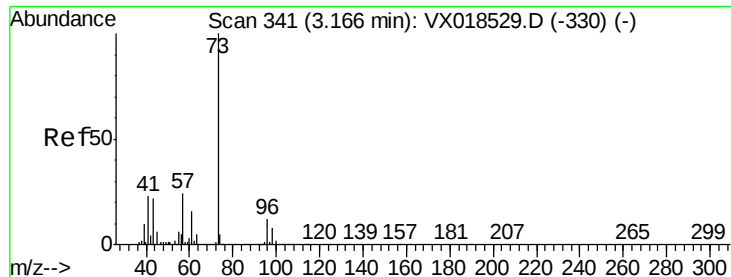
Tot Ion: 43 Resp: 53007
Ion Ratio Lower Upper
43 100
74 23.3 15.8 23.6



#16
Methylene chloride
Concen: 7.064 ug/L
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Tgt Ion: 84 Resp: 140152
Ion Ratio Lower Upper
84 100
86 58.9 39.8 74.0
49 116.9 79.5 147.6





#17

Methvl tert-butvl Ether

Concen: 8.024 ug/L

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

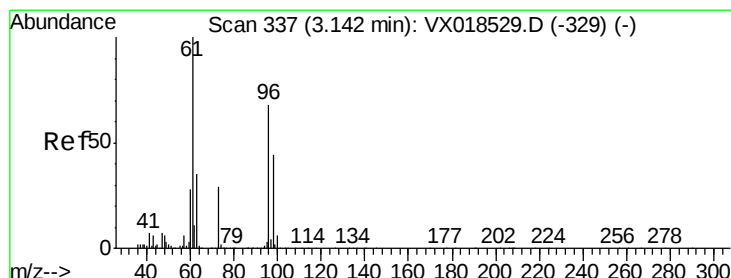
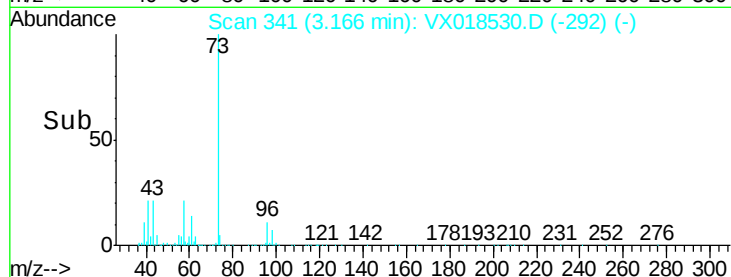
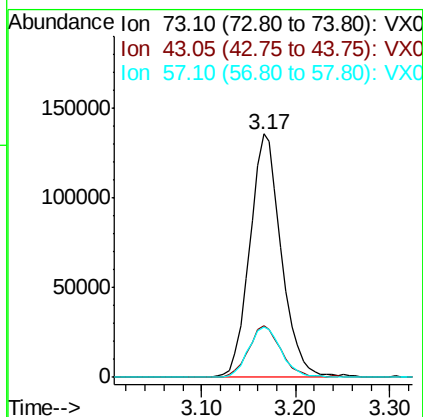
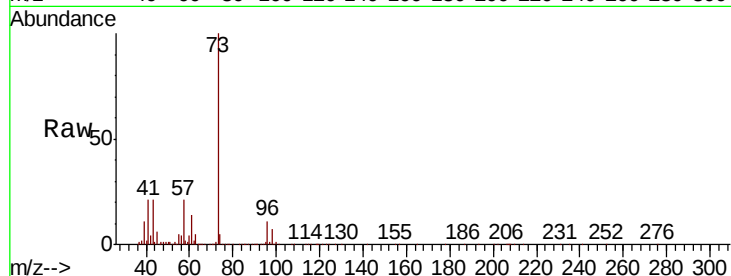
Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion: 73 Resp: 318832

Ion	Ratio	Lower	Upper
73	100		
43	21.7	18.3	27.5
57	21.4	18.0	27.0



#18

trans-1,2-Dichloroethene

Concen: 7.380 ug/L

RT: 3.14 min Scan# 337

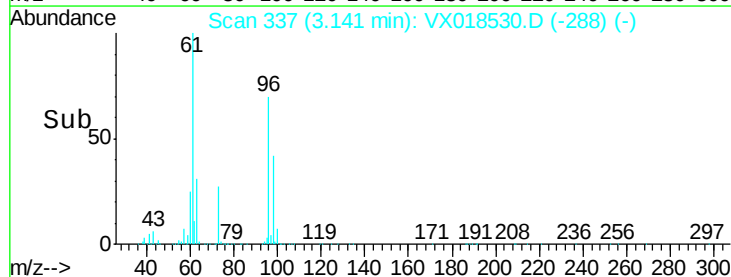
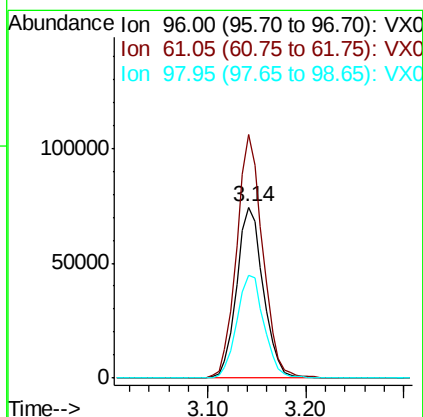
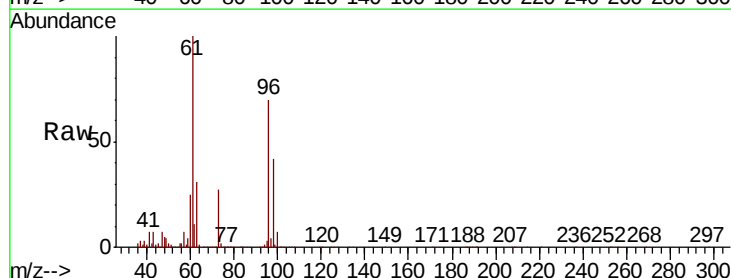
Delta R.T. -0.00 min

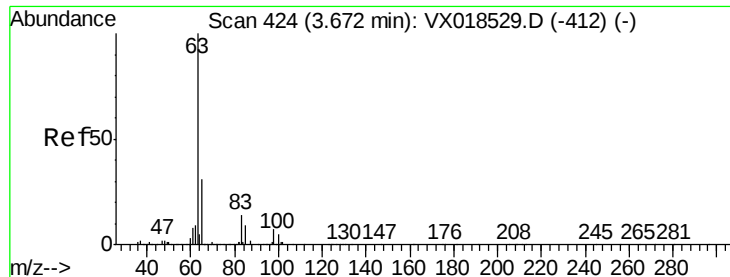
Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Tgt Ion: 96 Resp: 141116

Ion	Ratio	Lower	Upper
96	100		
61	142.4	102.6	190.6
98	60.3	45.2	84.0





#19

1,1-Dichloroethane

Concen: 8.049 ug/L

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

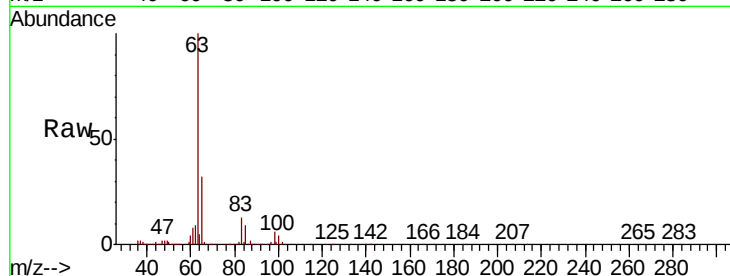
Tot Ion: 63 Resp: 254120

Ion Ratio Lower Upper

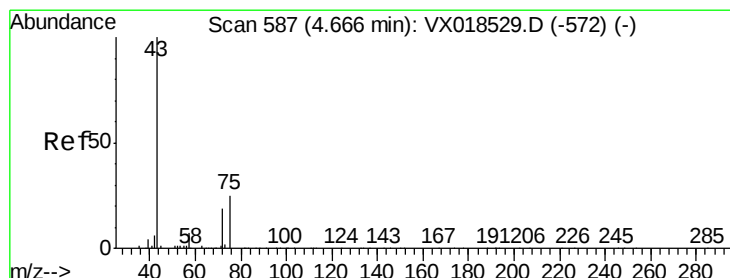
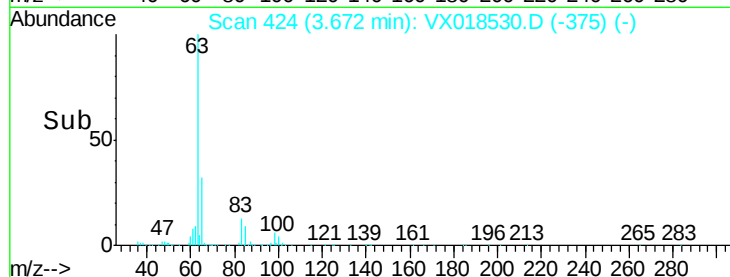
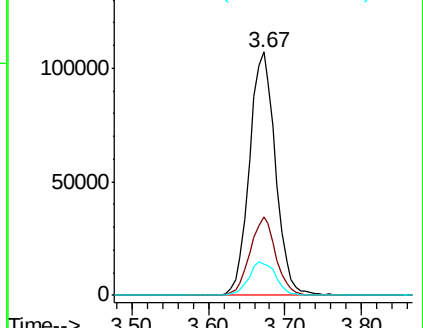
63 100

65 32.0 21.7 40.3

83 12.8 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VX0
Ion 65.10 (64.80 to 65.80): VX0
Ion 83.05 (82.75 to 83.75): VX0



#21

2-Butanone

Concen: 133.556 ug/L

RT: 4.66 min Scan# 586

Delta R.T. -0.01 min

Lab File: VX018530.D

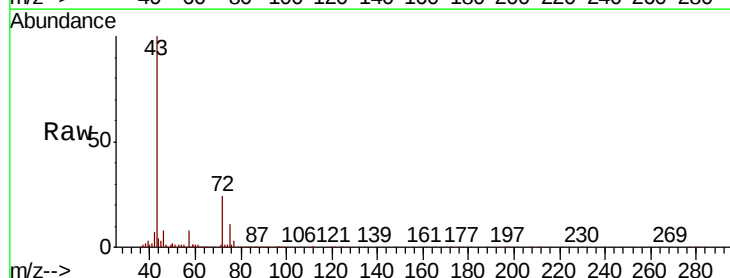
Acq: 22 Sep 2020 19:31

Tgt Ion: 43 Resp: 346396

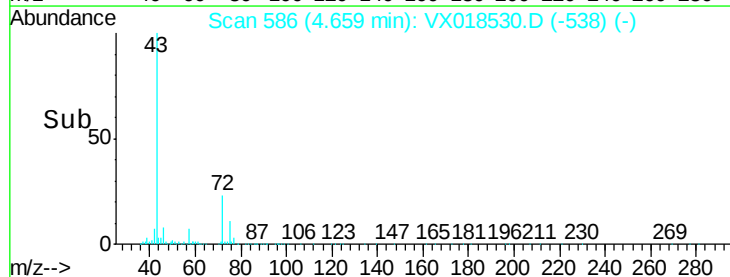
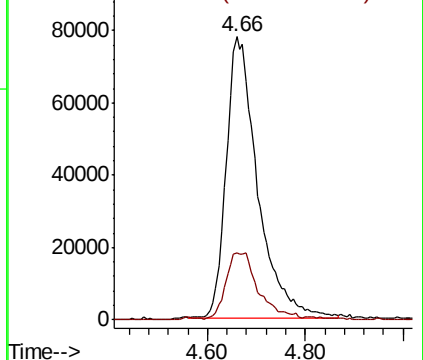
Ion Ratio Lower Upper

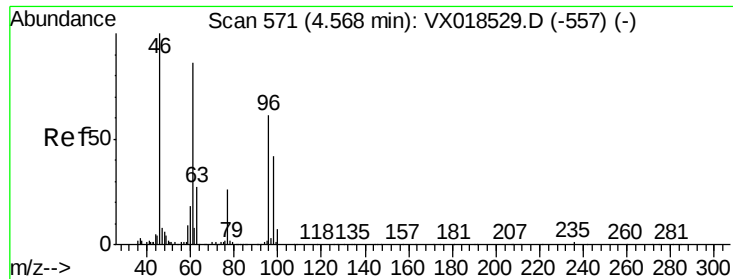
43 100

72 24.7 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 72.10 (71.80 to 72.80): VX0



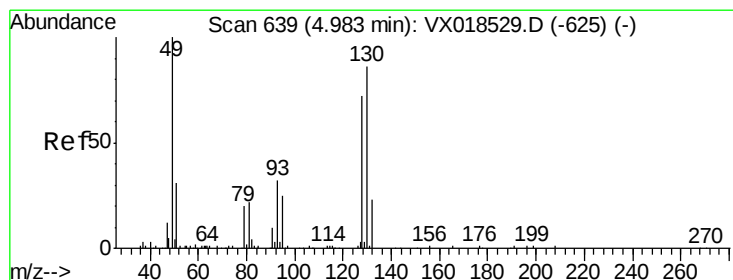
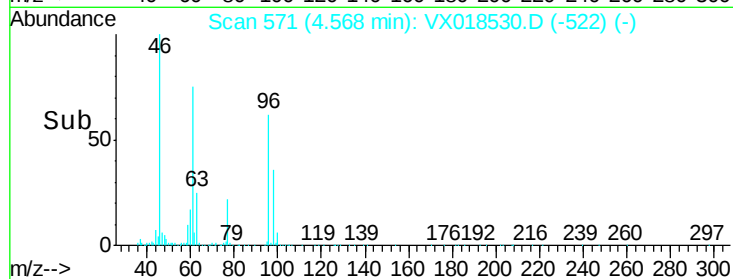
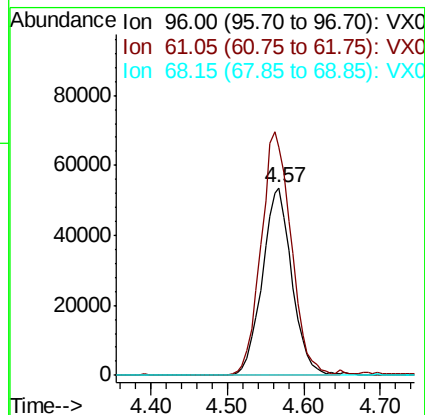
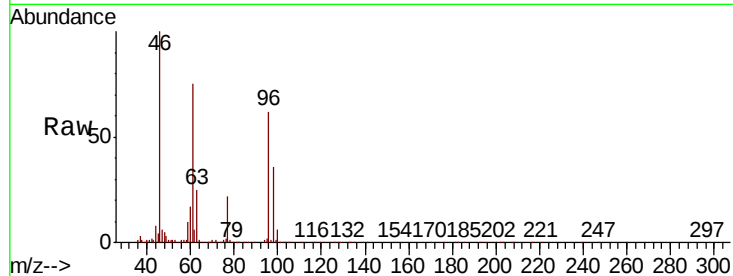


#22

cis-1,2-Dichloroethene
 Concen: 7.142 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

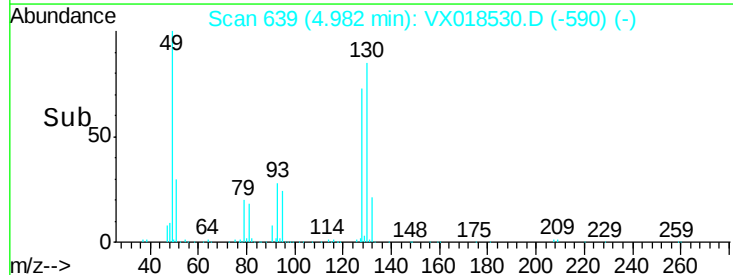
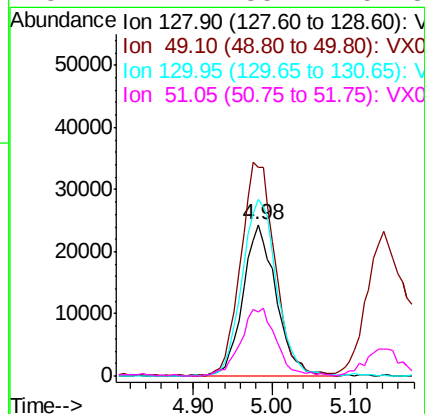
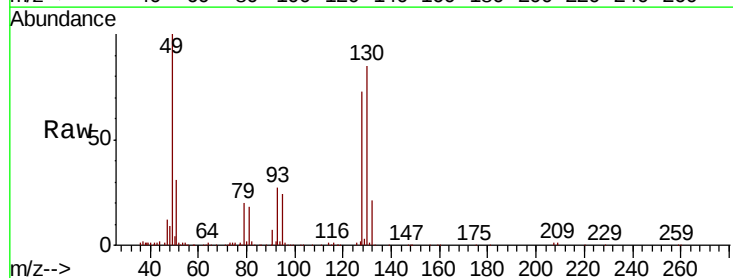
Tot Ion: 96 Resp: 144040
 Ion Ratio Lower Upper
 96 100
 61 121.9 97.5 181.1
 68 0.4 0.0 0.0#

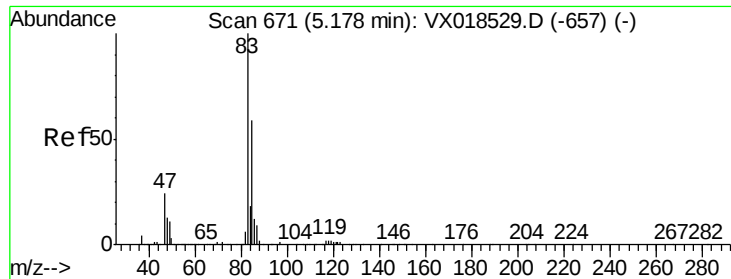


#23

Bromochloromethane
 Concen: 8.316 ug/L
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

Tgt Ion: 128 Resp: 71177
 Ion Ratio Lower Upper
 128 100
 49 137.7 99.6 185.0
 130 116.4 83.6 155.2
 51 42.2 35.2 52.8





#25

Chloroform

Concen: 6.370 ug/L

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampled :

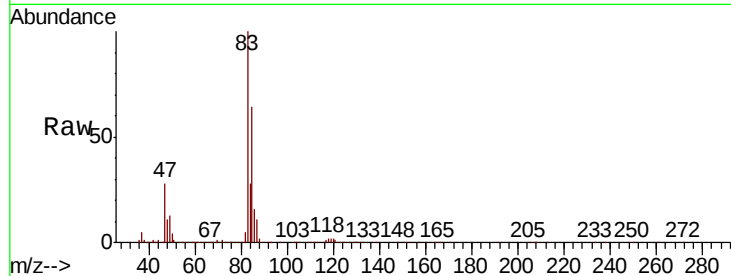
VSTD010304

Tot Ion: 83 Resp: 276445

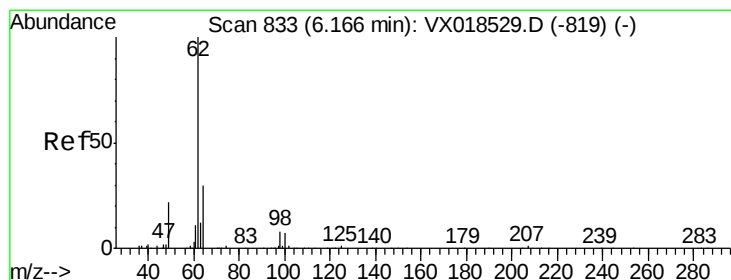
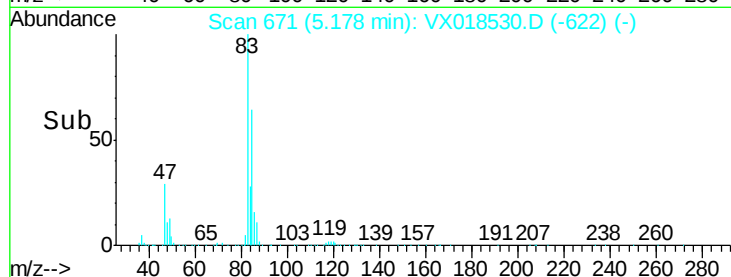
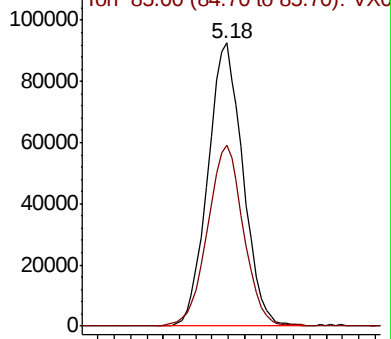
Ion Ratio Lower Upper

83 100

85 64.2 41.6 77.3



Abundance Ion 83.05 (82.75 to 83.75): VX0



#27

1,2-Dichloroethane

Concen: 8.949 ug/L

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018530.D

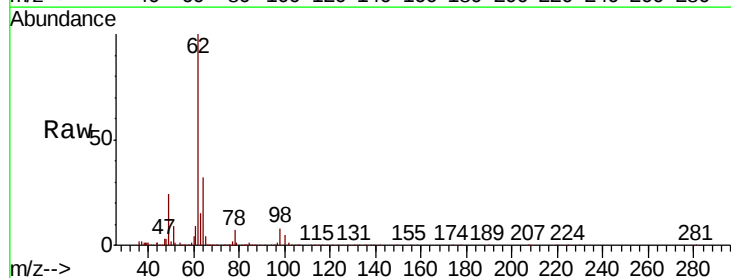
Acq: 22 Sep 2020 19:31

Tgt Ion: 62 Resp: 173725

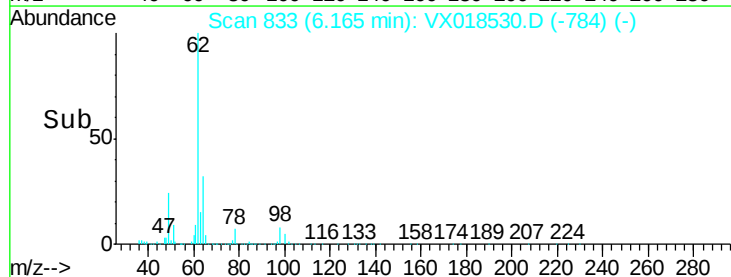
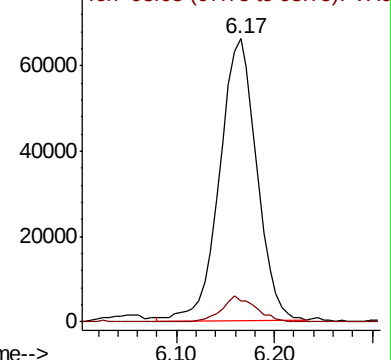
Ion Ratio Lower Upper

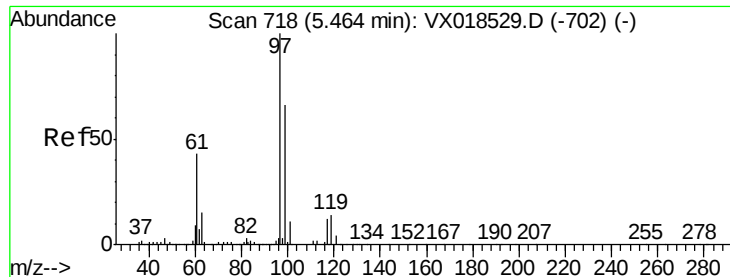
62 100

98 7.6 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VX0

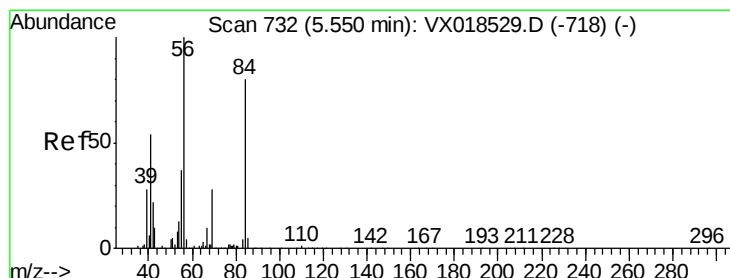
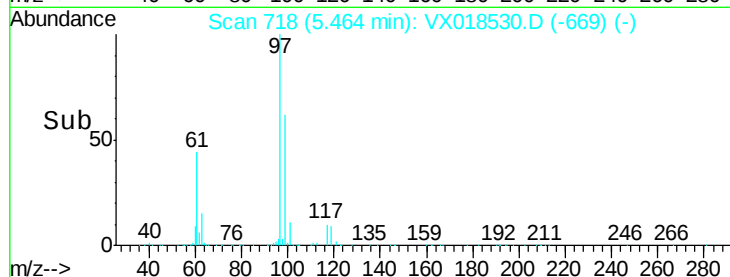
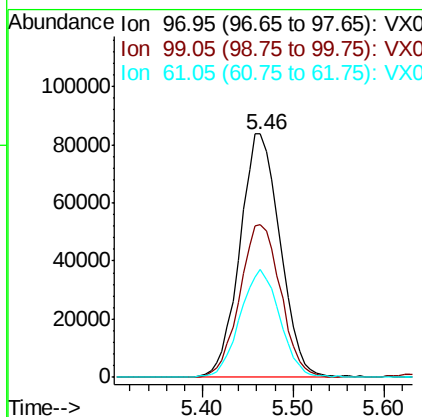
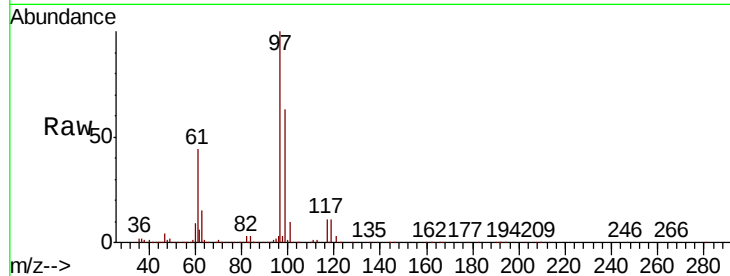




#29
1,1,1-Trichloroethane
Concen: 7.711 ug/L
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

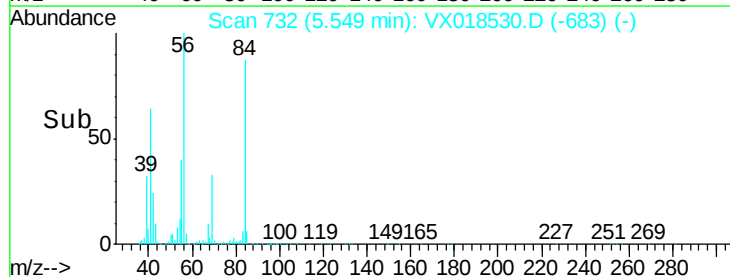
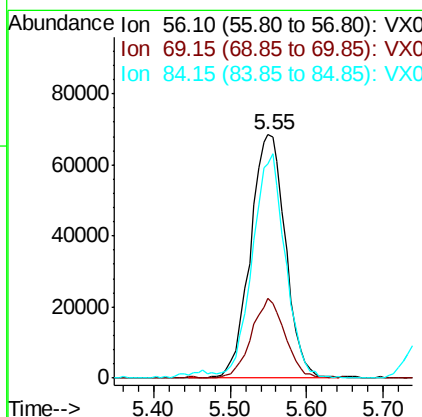
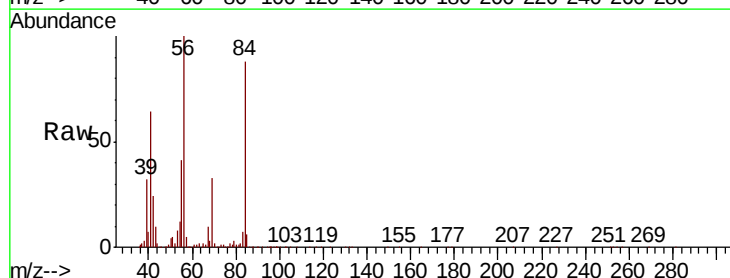
Instrument :
MSVOA_X
ClientSampled :
VSTD010304

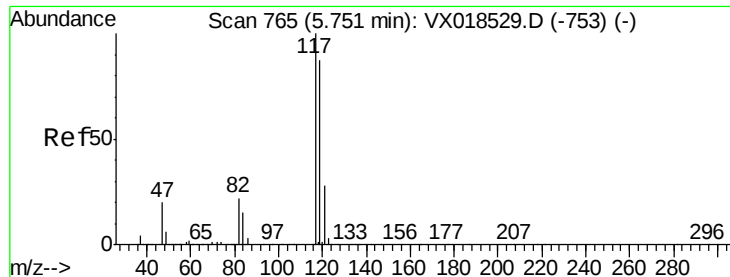
Tot Ion	Ratio	Lower	Upper
97	100		
99	63.7	53.6	80.4
61	43.9	34.8	52.2



#30
Cyclohexane
Concen: 7.159 ug/L
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.7	37.1
84	86.6	68.6	103.0

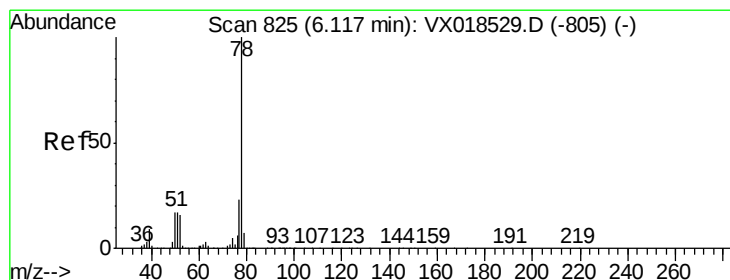
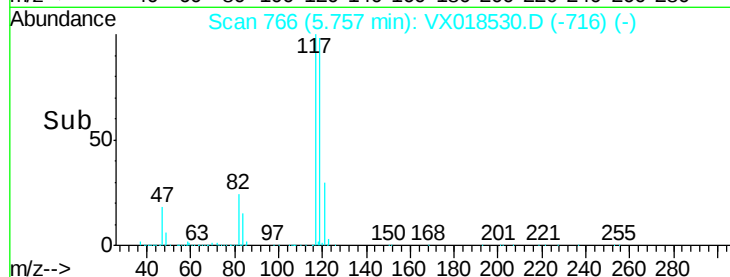
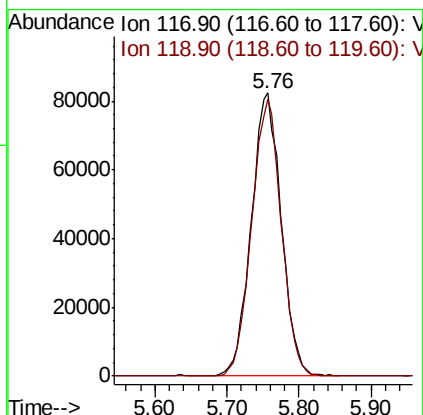
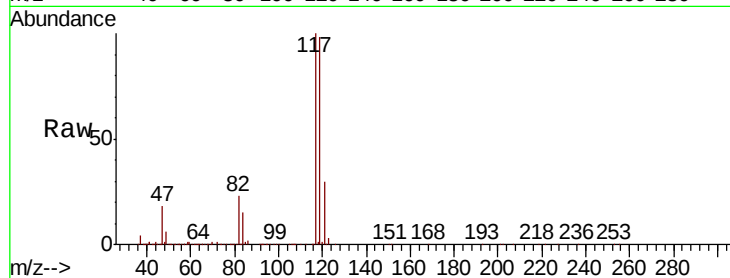




#31
Carbon tetrachloride
Concen: 8.209 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

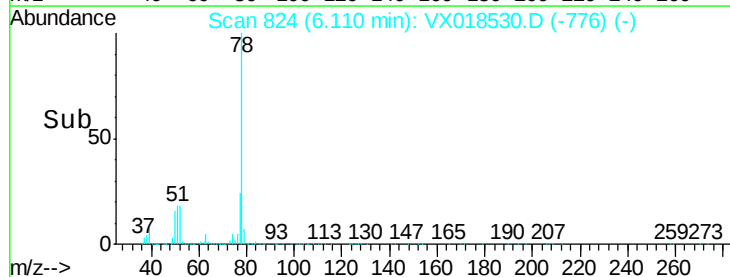
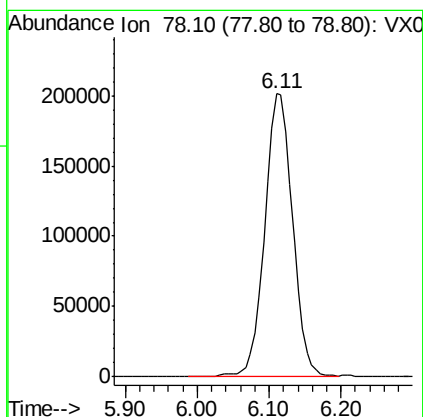
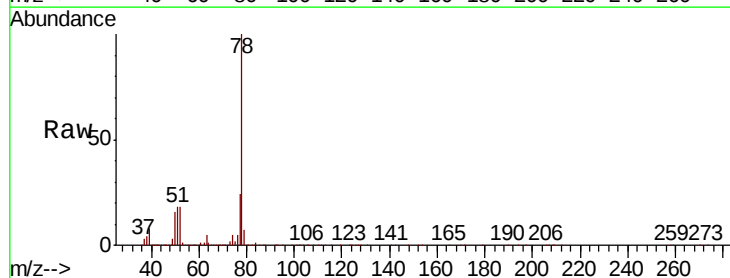
Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

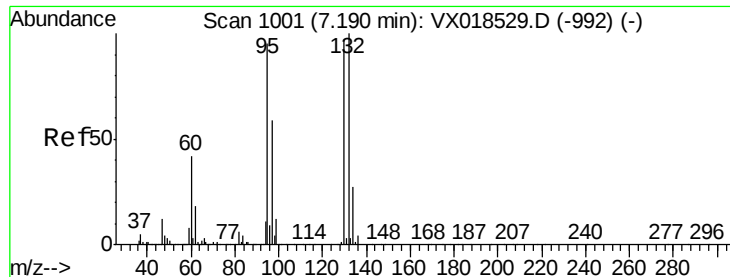
Tot Ion:117 Resp: 238336
Ion Ratio Lower Upper
117 100
119 96.8 78.3 117.5



#33
Benzene
Concen: 7.250 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Tgt Ion: 78 Resp: 540367





#34

Trichloroethene

Concen: 7.129 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

Tot Ion: 95 Resp: 151482

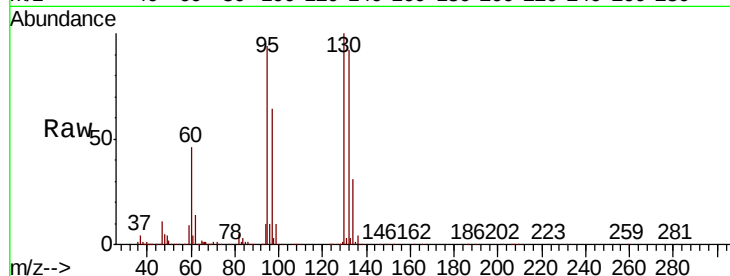
Ion Ratio Lower Upper

95 100

97 68.2 44.0 81.8

132 98.7 74.1 137.7

130 106.9 71.7 133.1

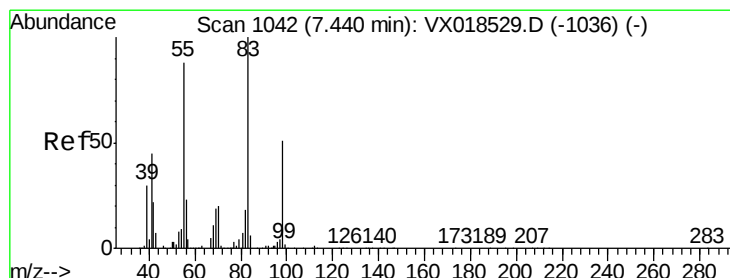
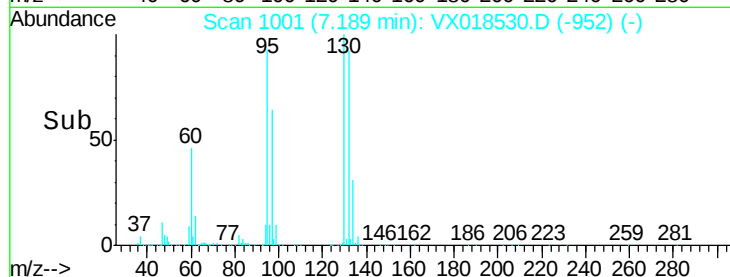
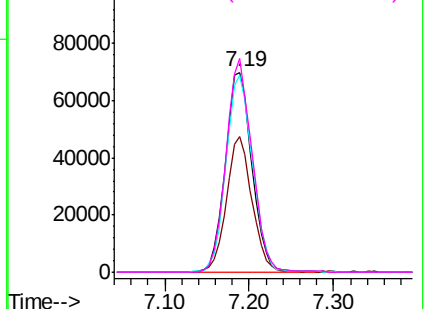


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 6.567 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

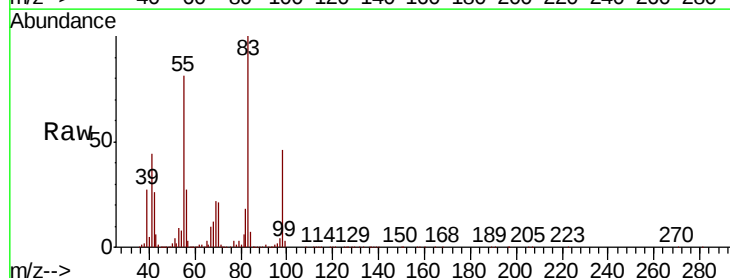
Tgt Ion: 83 Resp: 226450

Ion Ratio Lower Upper

83 100

55 78.5 65.7 98.5

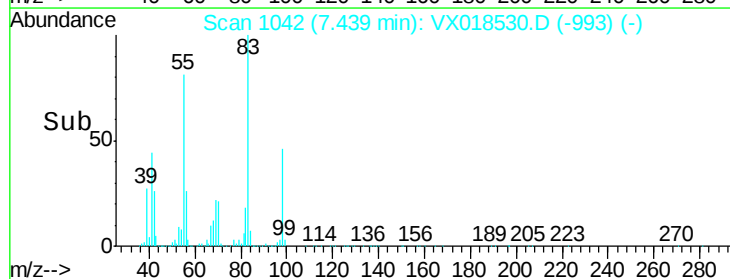
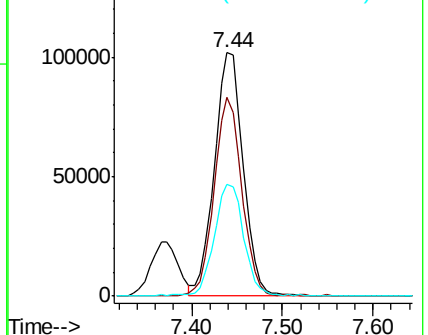
98 46.8 37.8 56.8

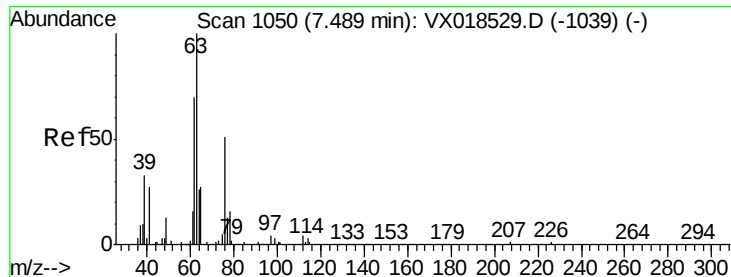


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 7.838 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

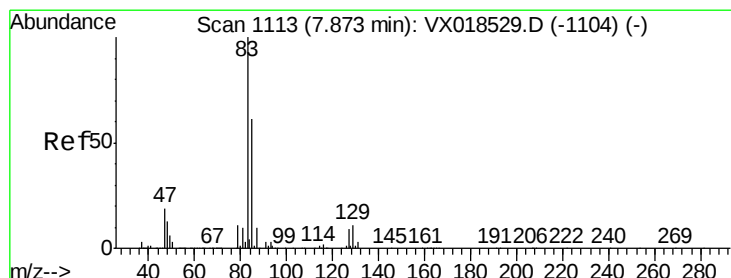
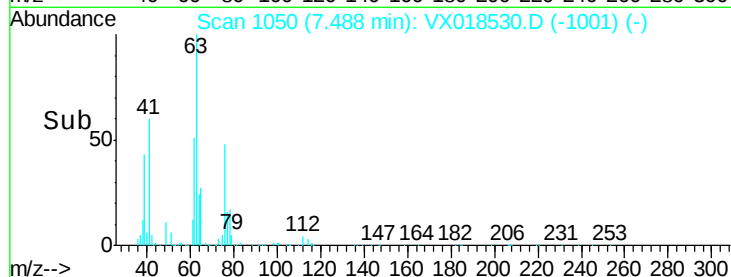
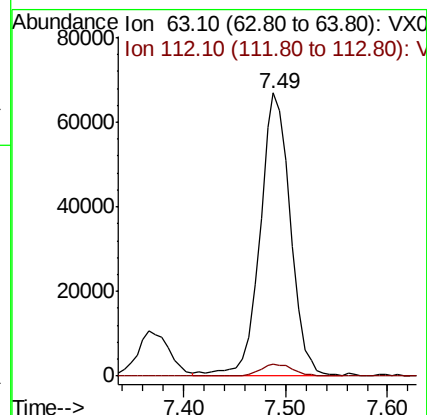
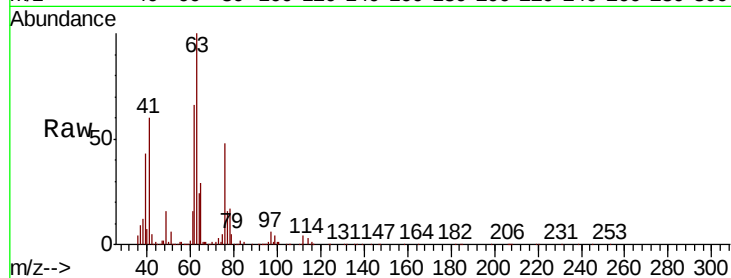
VSTD010304

Tot Ion: 63 Resp: 138369

Ion Ratio Lower Upper

63 100

112 4.7 4.1 6.1



#38

Bromodichloromethane

Concen: 7.722 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

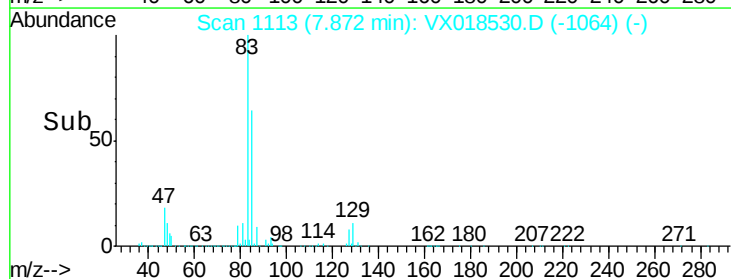
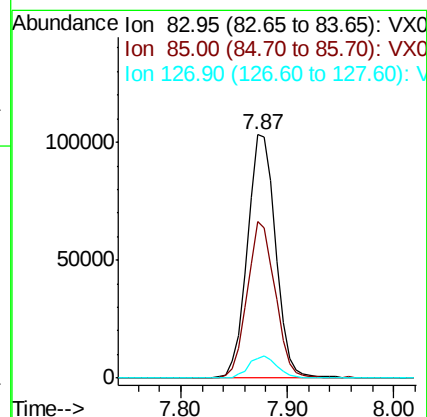
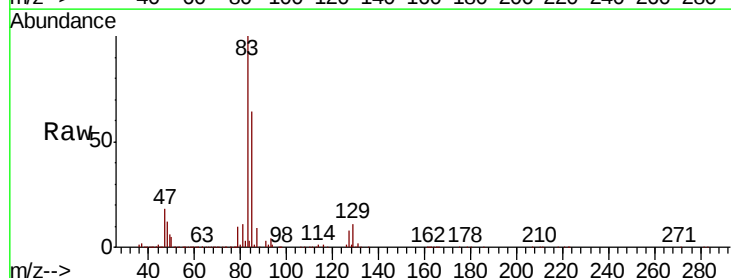
Tgt Ion: 83 Resp: 193411

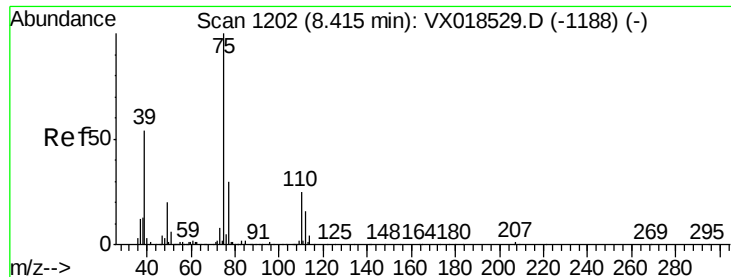
Ion Ratio Lower Upper

83 100

85 64.4 42.9 79.7

127 8.3 7.2 10.8

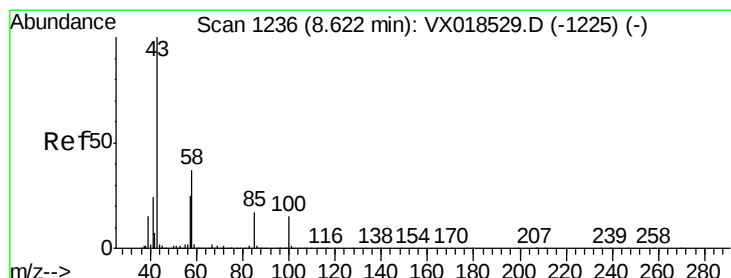
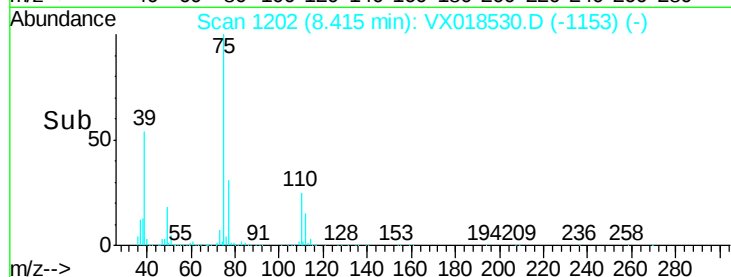
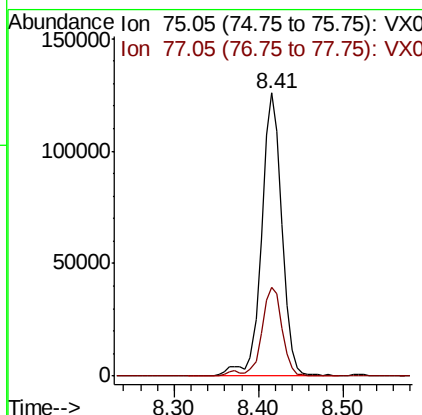
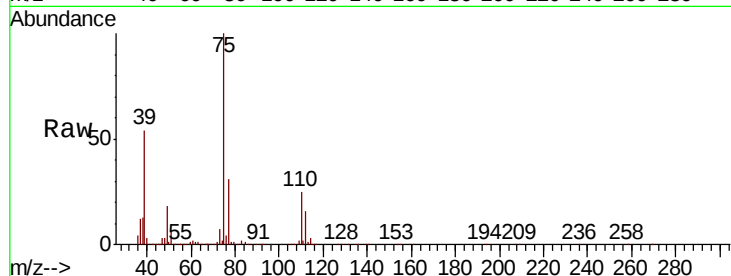




#39
 cis-1,3-Dichloropropene
 Concen: 7.620 ug/L
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

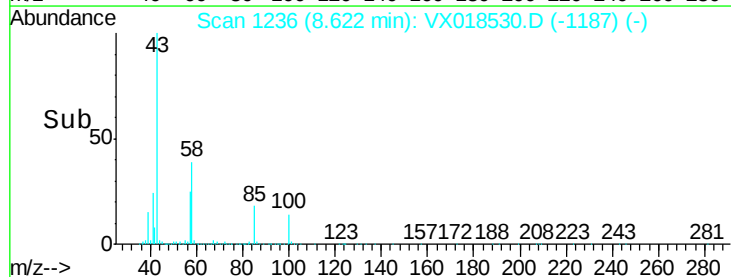
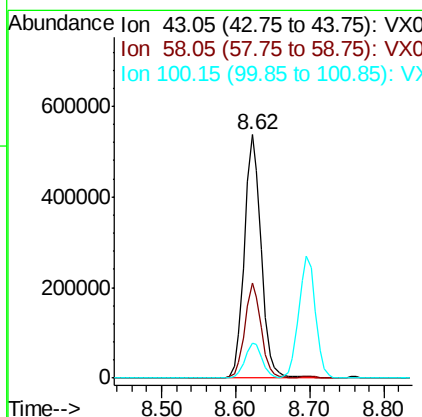
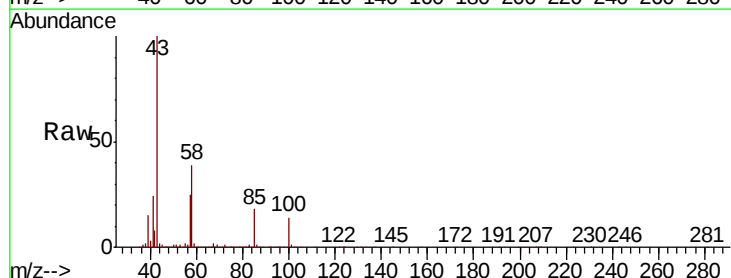
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

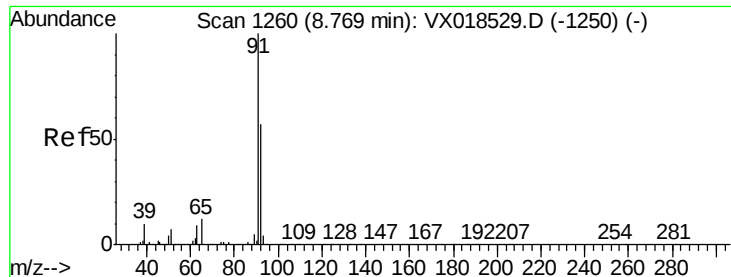
Tot Ion: 75 Resp: 209707
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 97.623 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

Tgt Ion: 43 Resp: 854236
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.8 44.8
 100 14.6 11.5 17.3





#42

Toluene

Concen: 7.393 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

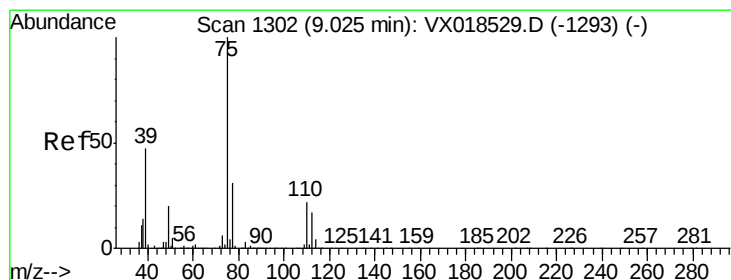
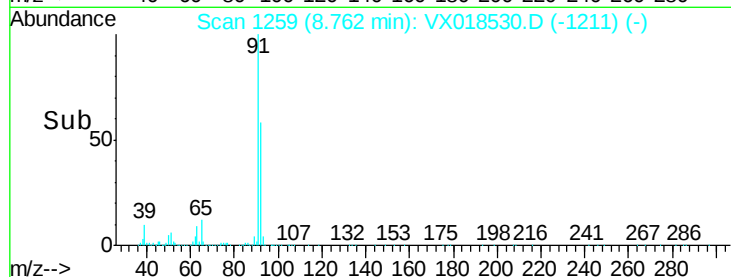
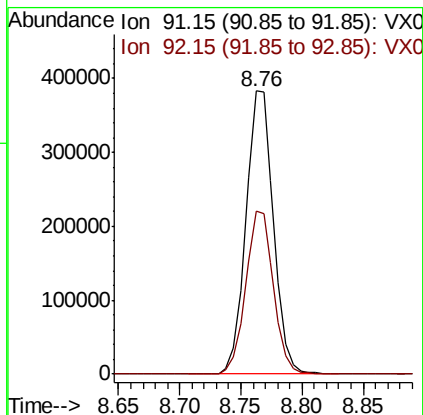
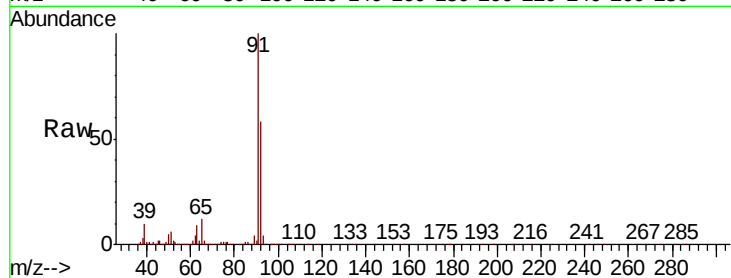
VSTD010304

Tot Ion: 91 Resp: 599412

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 8.381 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX018530.D

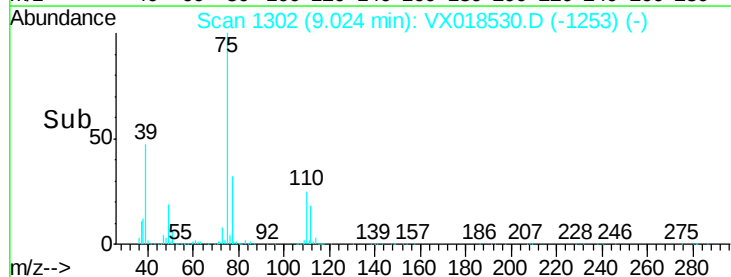
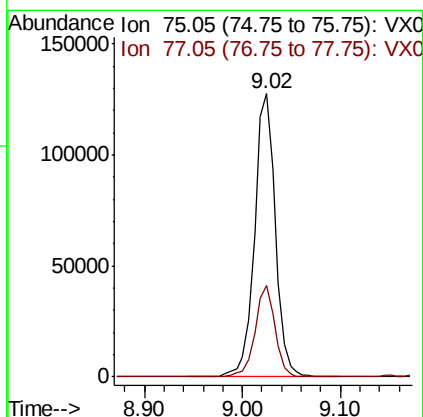
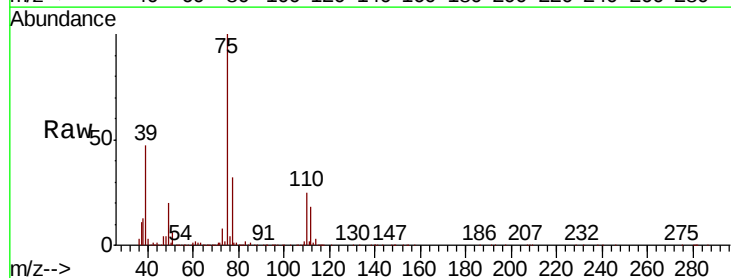
Acq: 22 Sep 2020 19:31

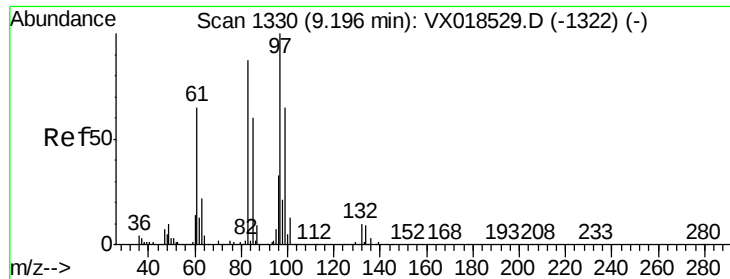
Tgt Ion: 75 Resp: 188525

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0

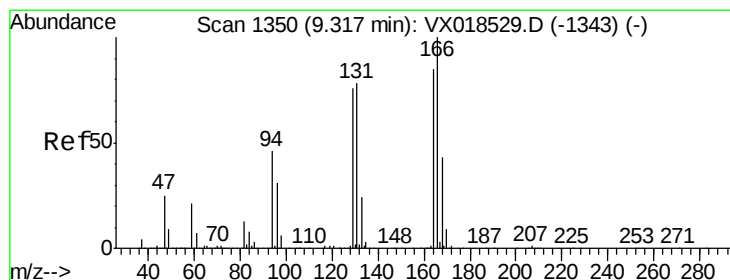
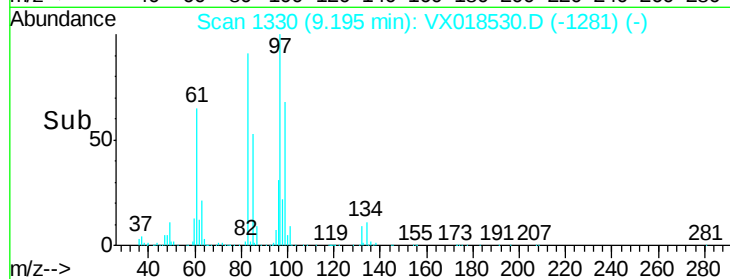
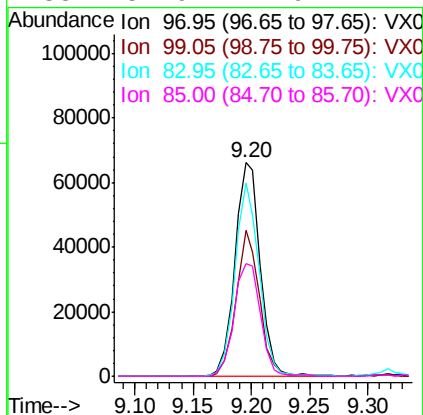
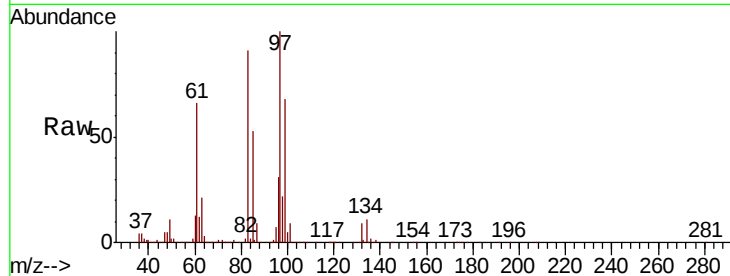




#45
 1,1,2-Trichloroethane
 Concen: 7.563 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

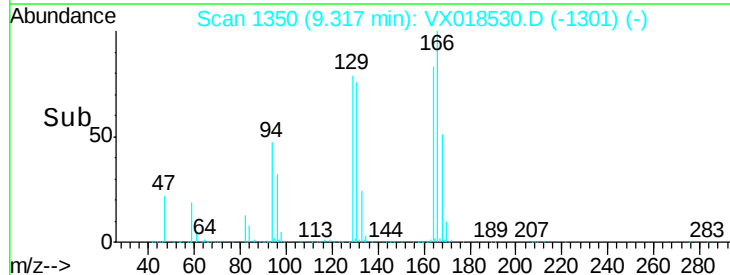
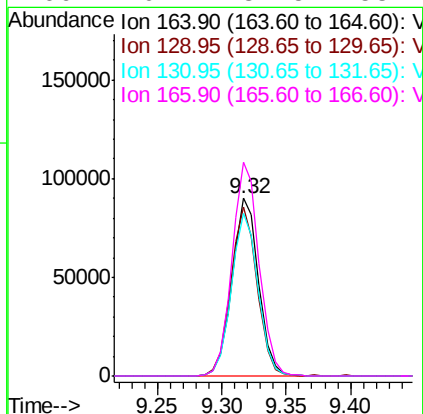
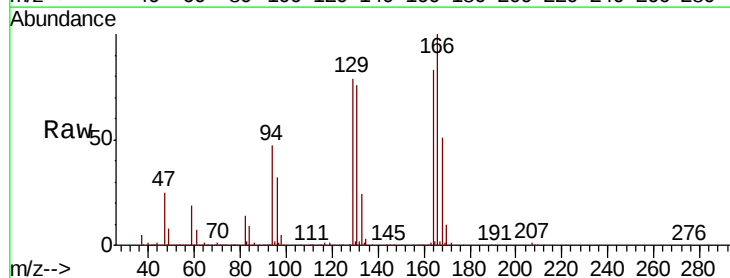
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

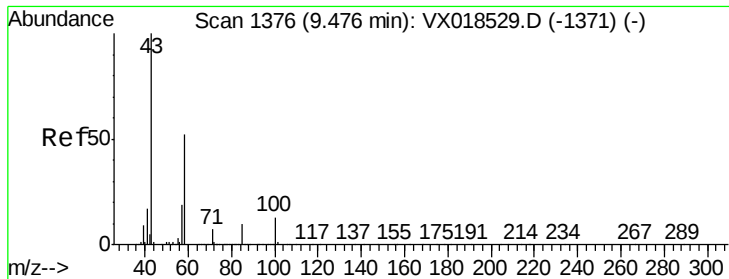
Tot Ion:	97	Resp:	99067
Ion	Ratio	Lower	Upper
97	100		
99	68.1	45.2	84.0
83	90.7	60.9	113.1
85	52.9	41.9	77.7



#47
 Tetrachloroethene
 Concen: 7.635 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

Tgt Ion:	164	Resp:	128680
Ion	Ratio	Lower	Upper
164	100		
129	95.1	62.3	115.7
131	91.6	64.5	119.7
166	120.1	82.5	153.1

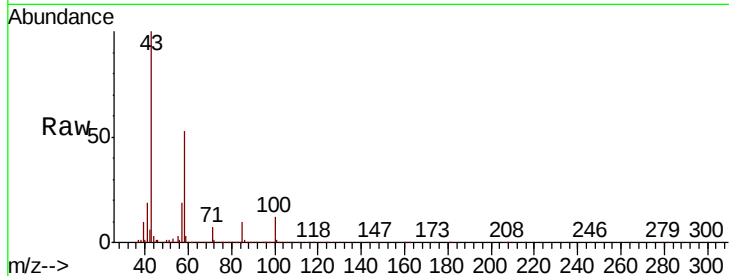




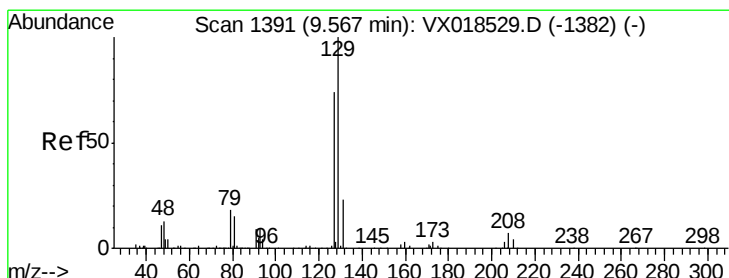
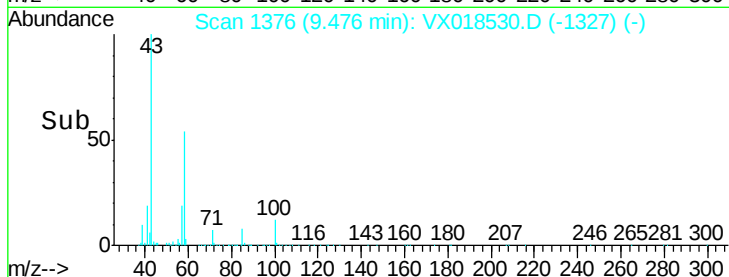
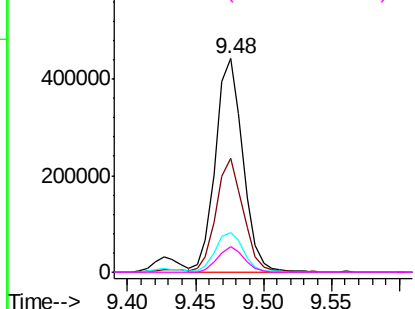
#48
2-Hexanone
Concen: 97.689 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion:	43	Resp:	618533
Ion	Ratio	Lower	Upper
43	100		
58	52.4	41.5	62.3
57	19.4	15.4	23.0
100	11.9	9.4	14.0

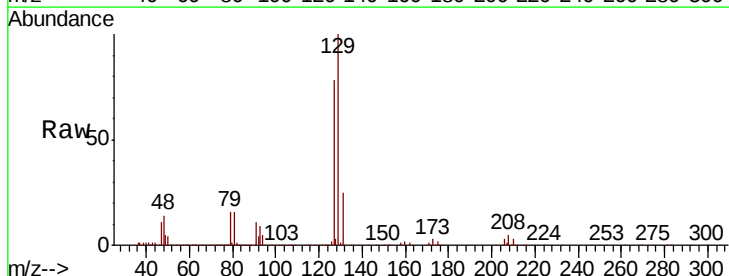


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

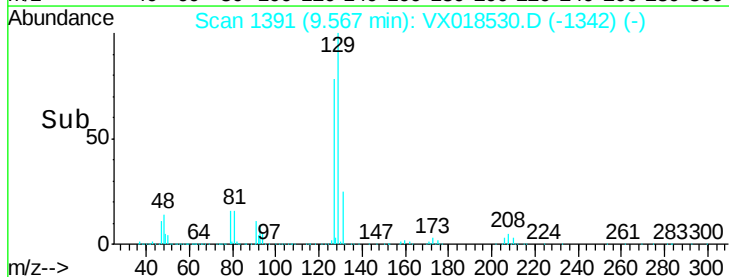
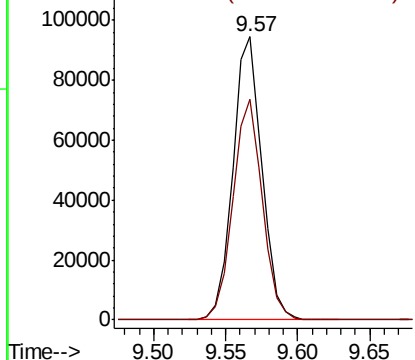


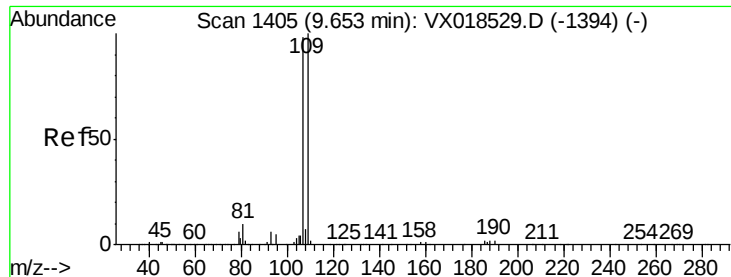
#49
Dibromochloromethane
Concen: 7.830 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Tgt Ion:	129	Resp:	132897
Ion	Ratio	Lower	Upper
129	100		
127	78.2	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: 7.485 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

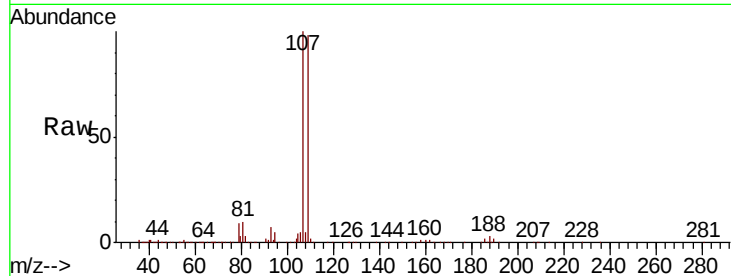
Tot Ion:107 Resp: 93877

Ion Ratio Lower Upper

107 100

109 97.6 71.2 132.2

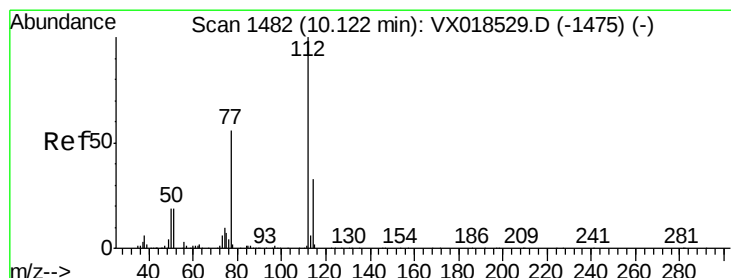
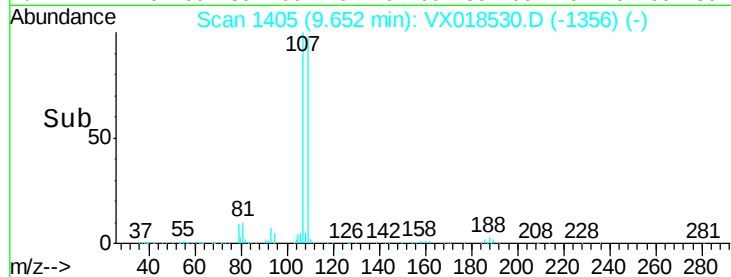
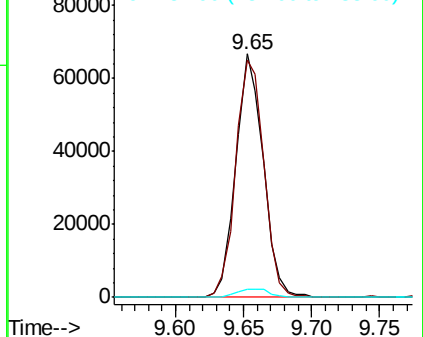
188 3.2 1.9 2.9#



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: 7.142 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

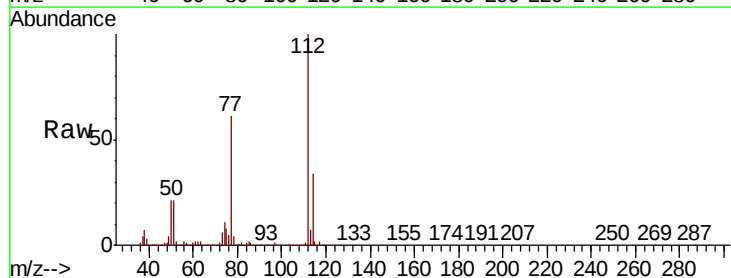
Tgt Ion:112 Resp: 384765

Ion Ratio Lower Upper

112 100

114 33.8 23.1 42.9

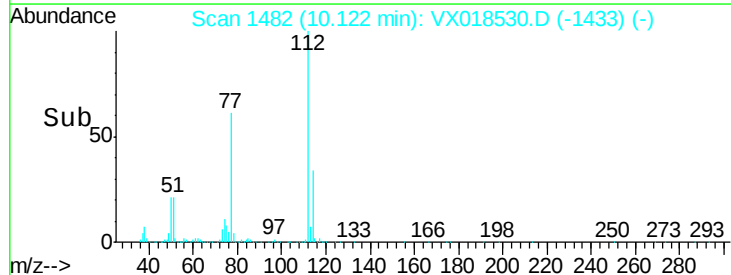
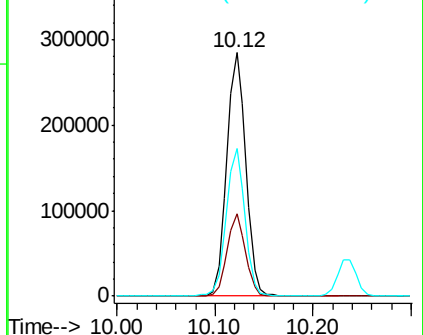
77 60.8 44.9 67.3

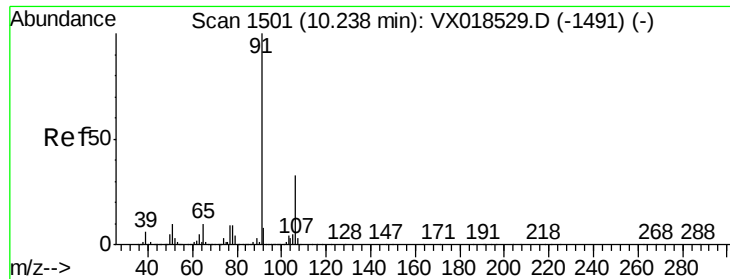


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 7.113 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampled :

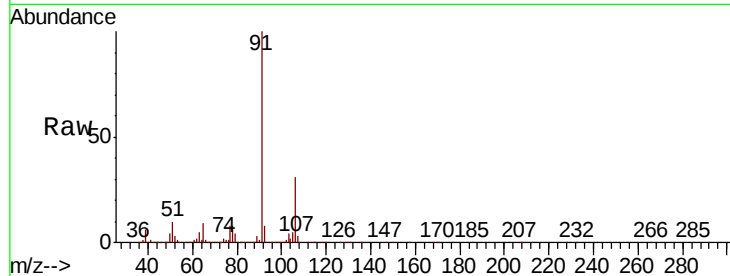
VSTD010304

Tot Ion: 91 Resp: 653553

Ion Ratio Lower Upper

91 100

106 31.4 23.3 43.3



Abundance Ion 91.15 (90.85 to 91.85): VX018529.D (-1491) (-)

Ion 106.15 (105.85 to 106.85): VX018529.D (-1491) (-)

10.24

500000

400000

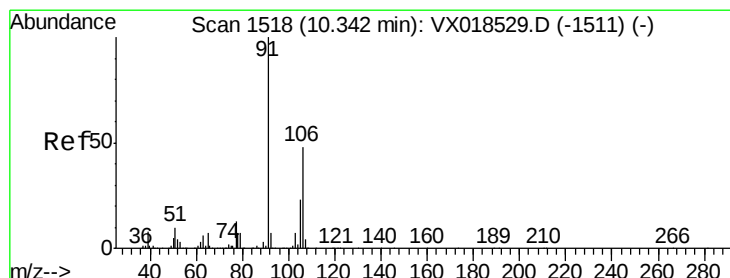
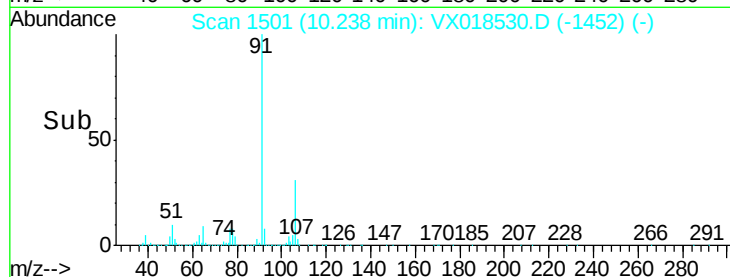
300000

200000

100000

0

Time-->



#53

m,p-xylene

Concen: 7.442 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018530.D

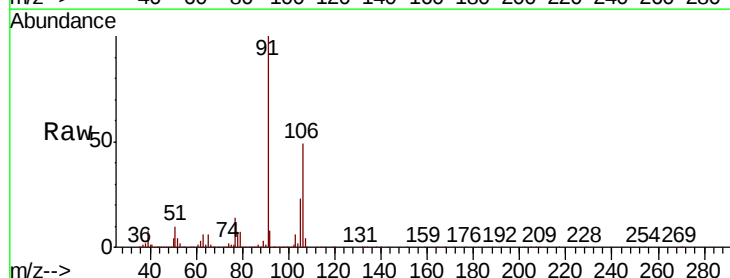
Acq: 22 Sep 2020 19:31

Tgt Ion: 106 Resp: 262075

Ion Ratio Lower Upper

106 100

91 205.8 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VX018529.D (-1511) (-)

Ion 91.15 (90.85 to 91.85): VX018529.D (-1511) (-)

10.34

400000

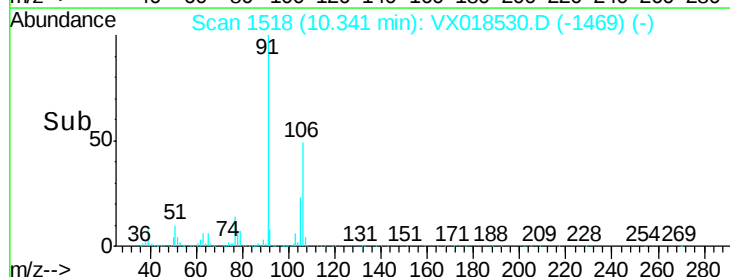
300000

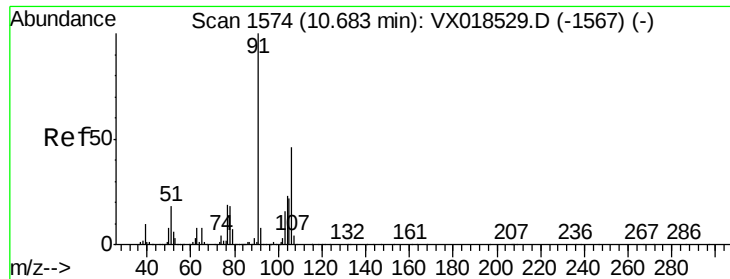
200000

100000

0

Time-->

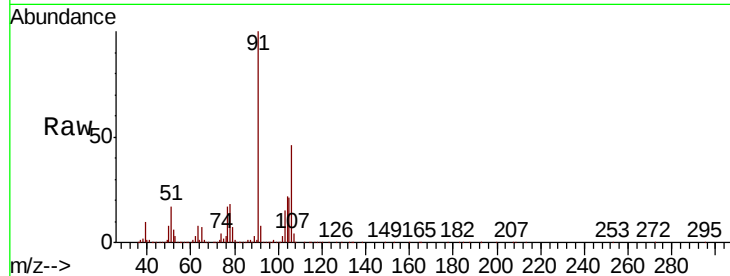




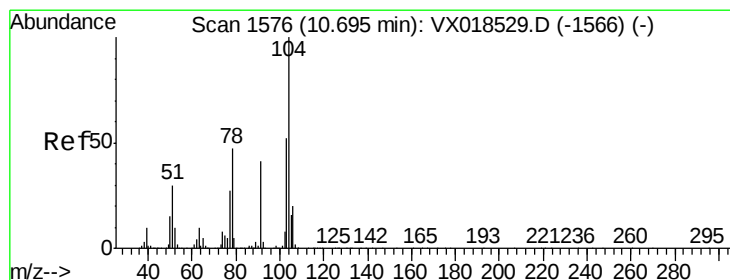
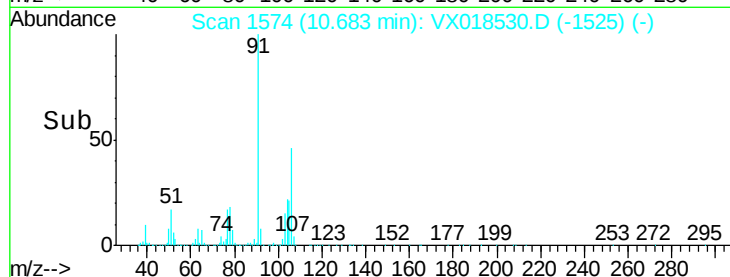
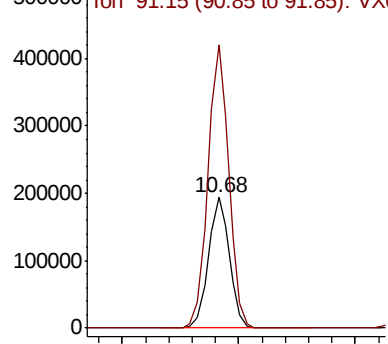
#54
o-xylene
Concen: 7.219 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion:106 Resp: 243452
Ion Ratio Lower Upper
106 100
91 216.8 150.9 280.3

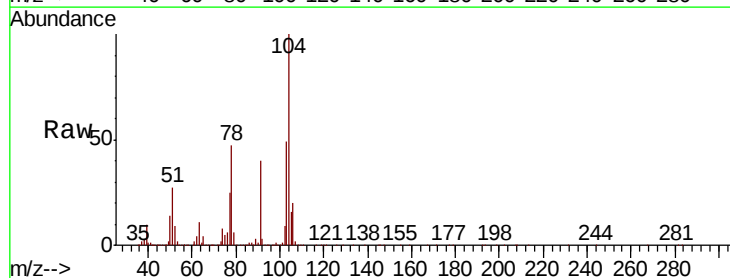


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

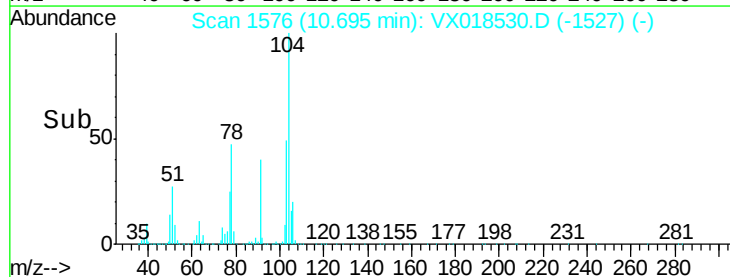
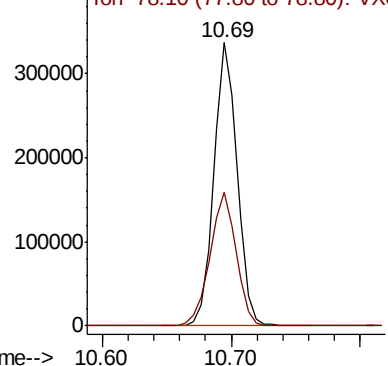


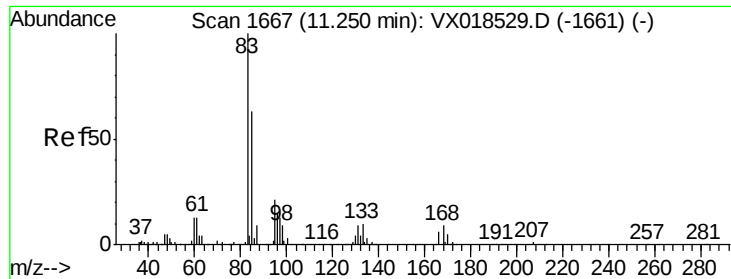
#55
Styrene
Concen: 7.502 ug/L
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX018530.D
Acq: 22 Sep 2020 19:31

Tgt Ion:104 Resp: 419374
Ion Ratio Lower Upper
104 100
78 47.0 33.0 61.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VX0

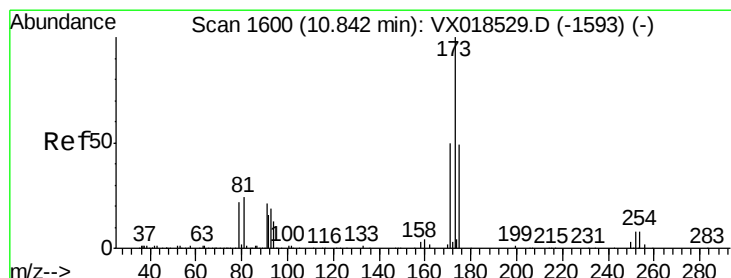
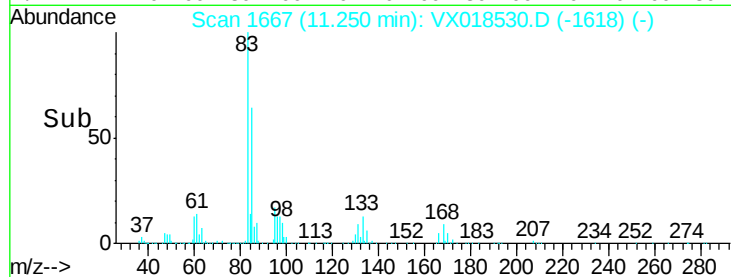
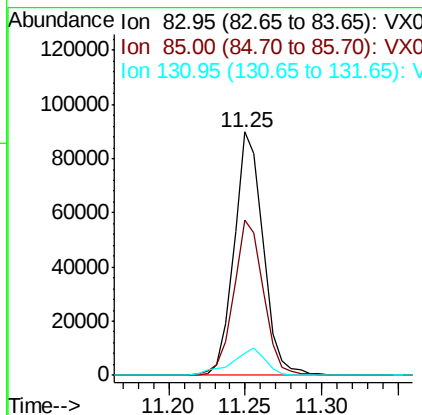
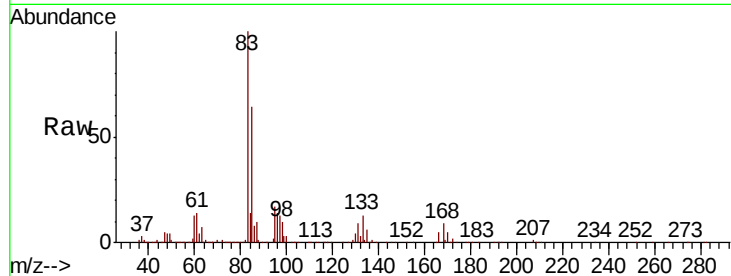




#57
 1,1,2,2-Tetrachloroethane
 Concen: 7.931 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

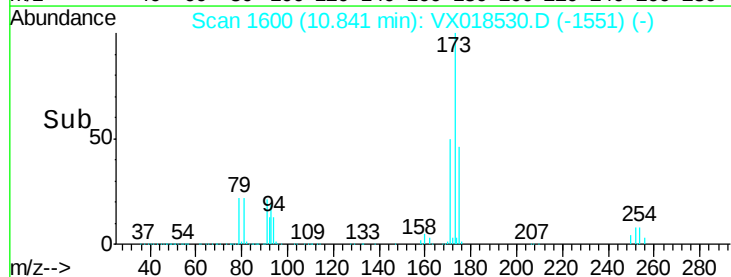
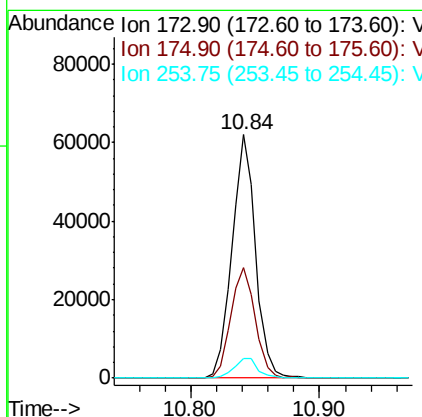
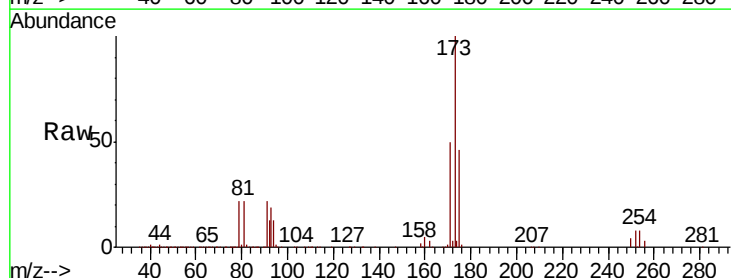
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

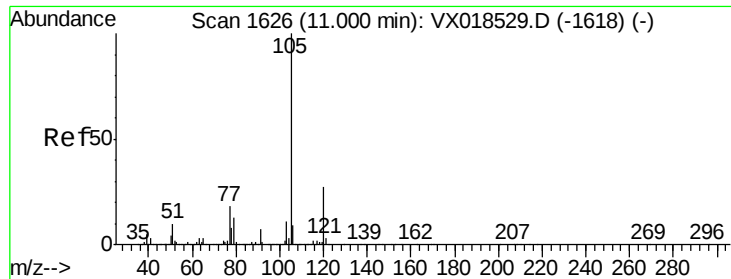
Tot Ion: 83 Resp: 117643
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.4 82.4
 131 9.0 7.4 11.0



#59
 Bromoform
 Concen: 8.536 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

Tgt Ion: 173 Resp: 79052
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.8 59.8
 254 8.2 7.5 11.3





#60

Isopropylbenzene

Concen: 6.844 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

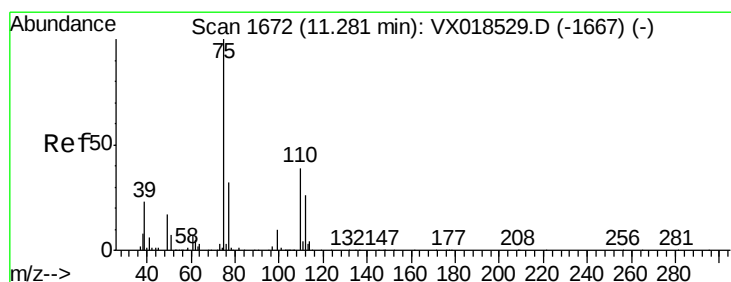
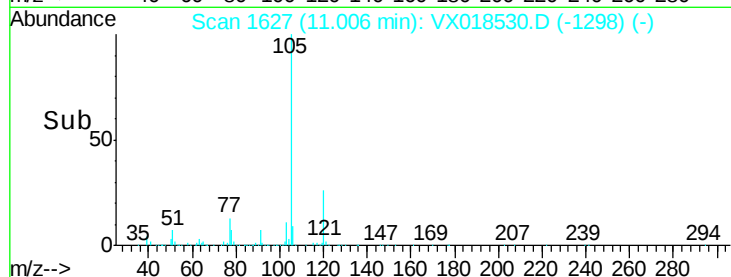
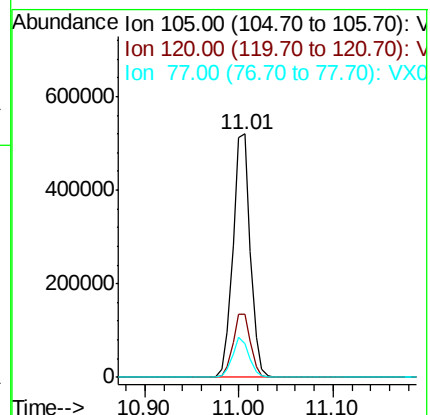
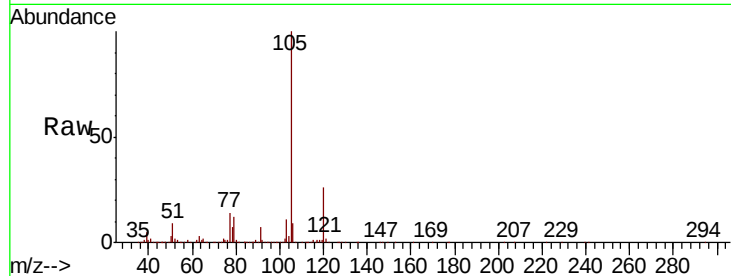
Tot Ion:105 Resp: 661130

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

77 15.8 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 7.715 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

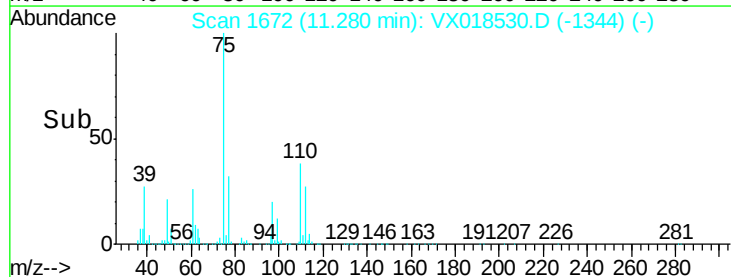
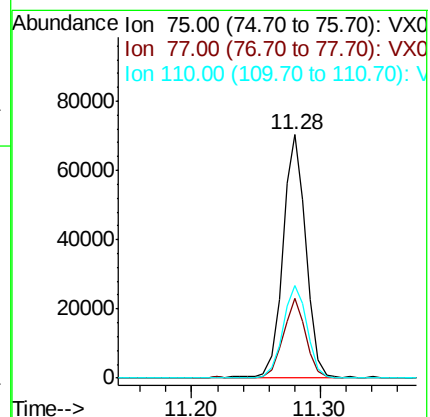
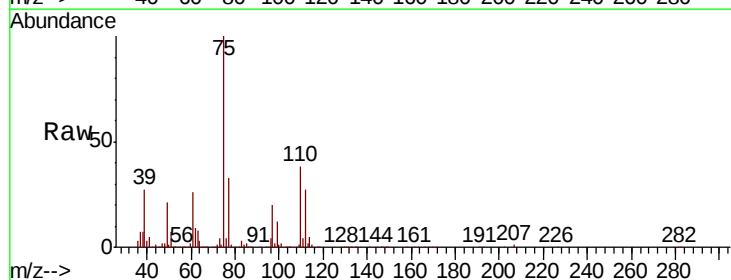
Tgt Ion: 75 Resp: 87545

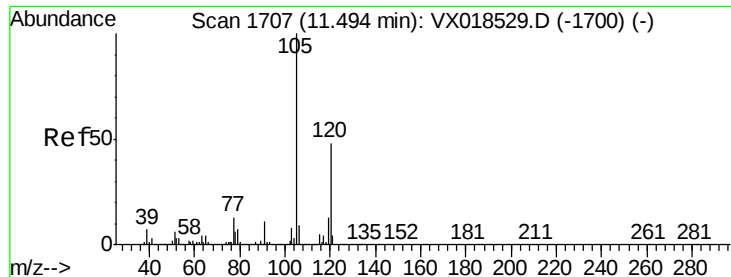
Ion Ratio Lower Upper

75 100

77 31.5 27.1 40.7

110 39.9 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 6.804 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

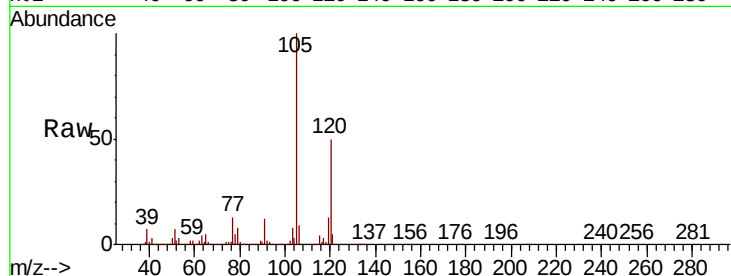
VSTD010304

Tot Ion:105 Resp: 544710

Ion Ratio Lower Upper

105 100

120 48.1 39.3 58.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

400000

300000

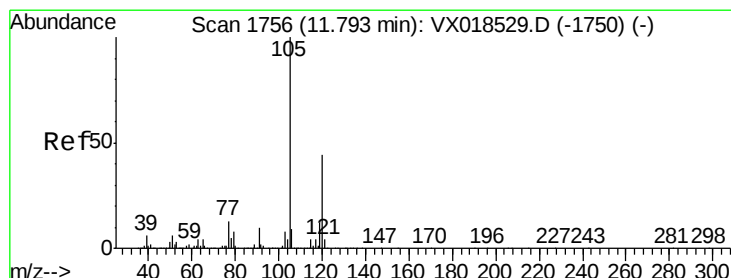
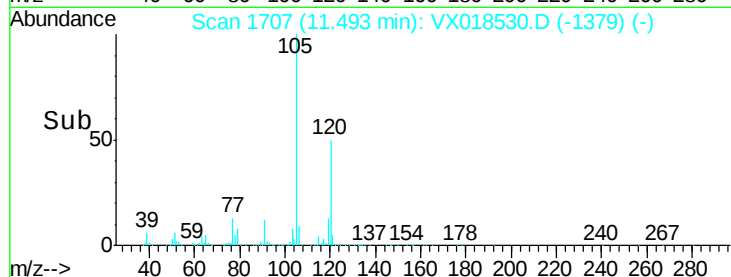
200000

100000

0

Time-->

11.40 11.50 11.60



#63

1,2,4-Trimethylbenzene

Concen: 7.231 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018530.D

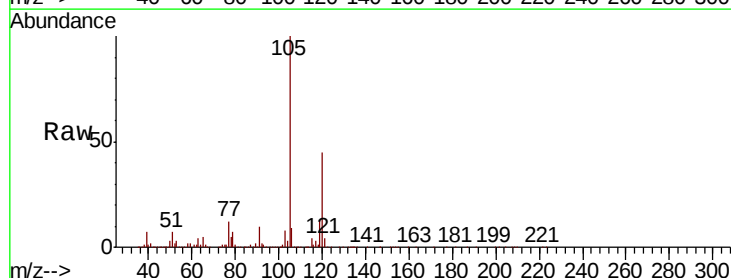
Acq: 22 Sep 2020 19:31

Tgt Ion:105 Resp: 570169

Ion Ratio Lower Upper

105 100

120 43.9 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

500000

400000

300000

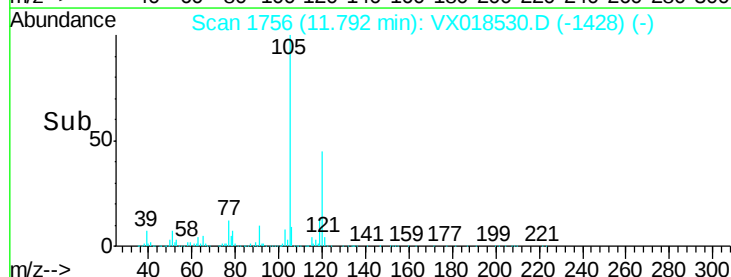
200000

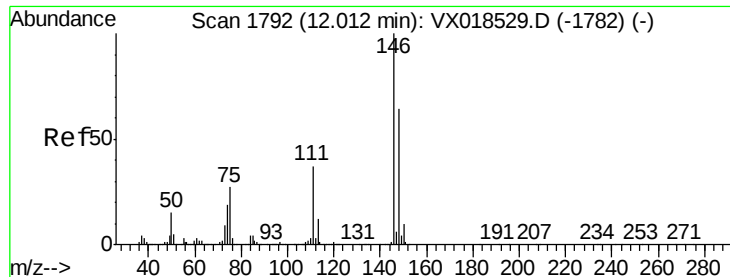
100000

0

Time-->

11.70 11.80

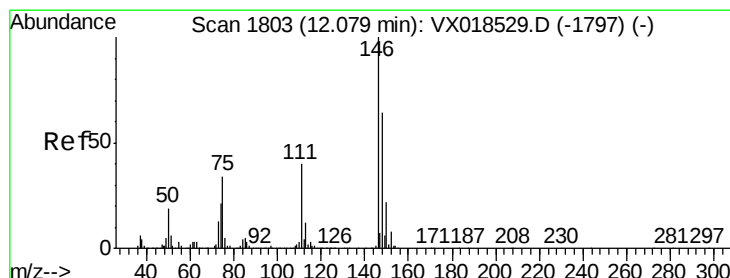
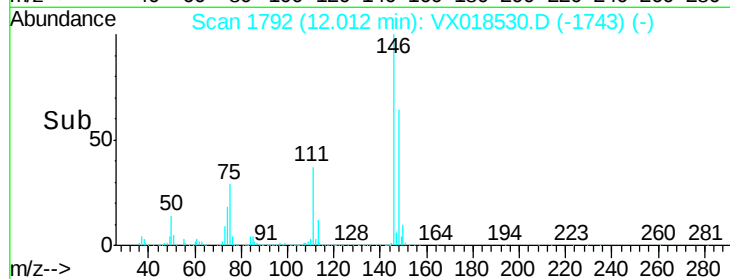
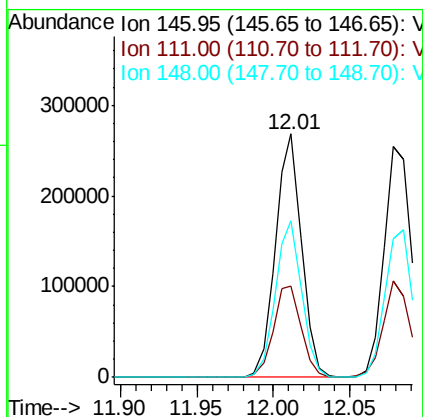
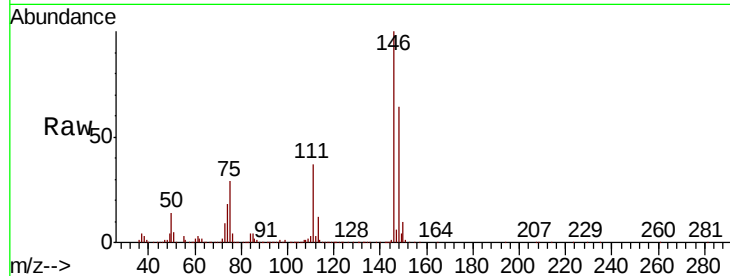




#64
 1,3-Dichlorobenzene
 Concen: 6.928 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

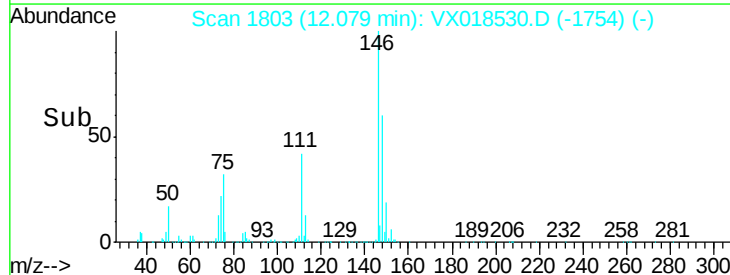
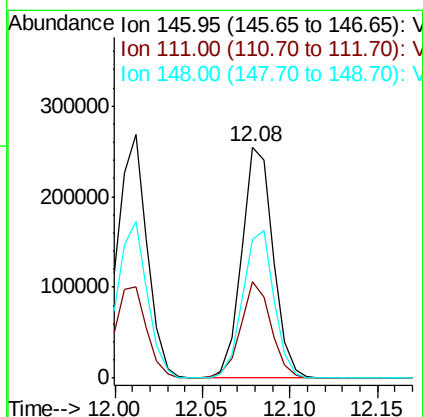
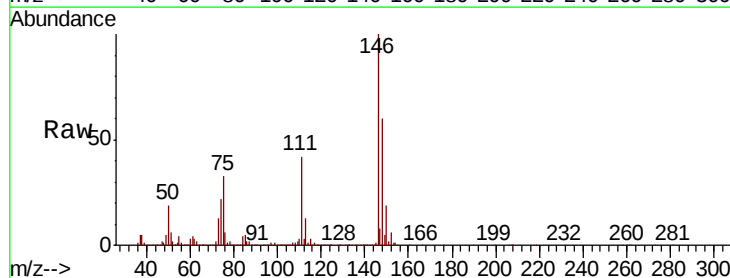
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

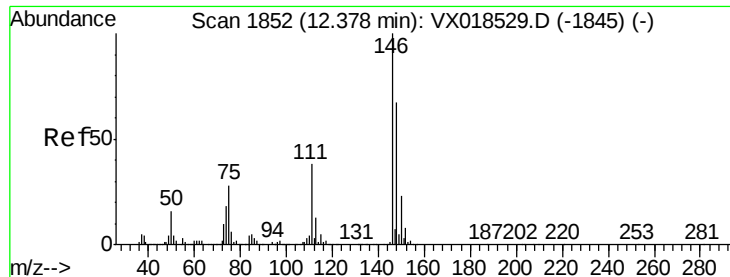
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.7	47.7
148	64.1	44.9	83.3



#65
 1,4-Dichlorobenzene
 Concen: 7.046 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018530.D
 Acq: 22 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	27.9	51.9
148	60.0	45.0	83.6





#67

1,2-Dichlorobenzene

Concen: 7.469 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

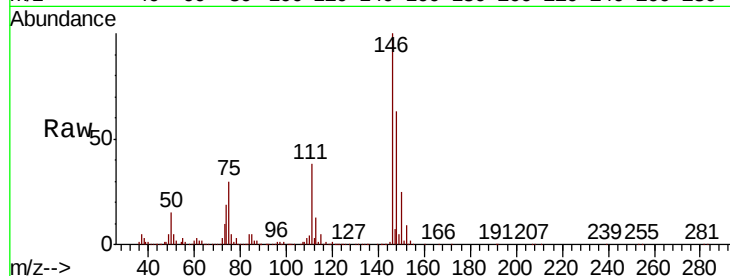
Tot Ion:146 Resp: 303045

Ion Ratio Lower Upper

146 100

111 37.5 30.6 45.8

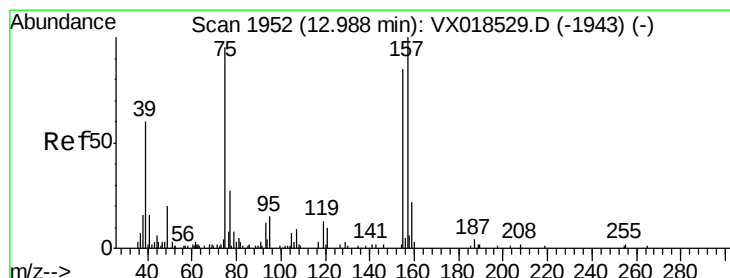
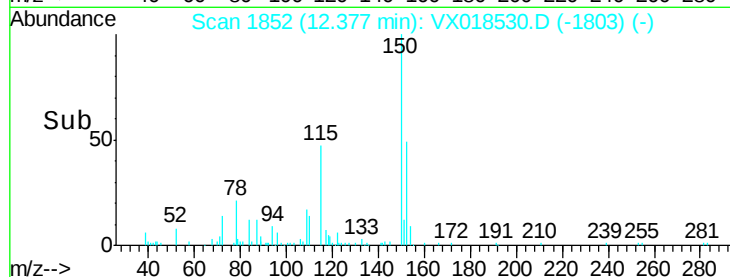
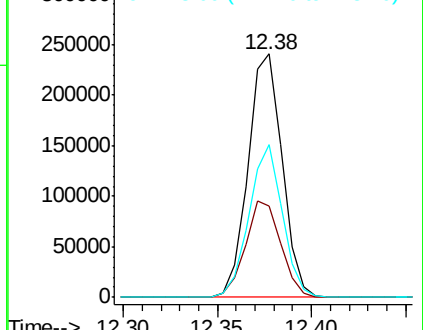
148 62.9 53.5 80.3



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



#68

1,2-Dibromo-3-chloropropane

Concen: 8.471 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

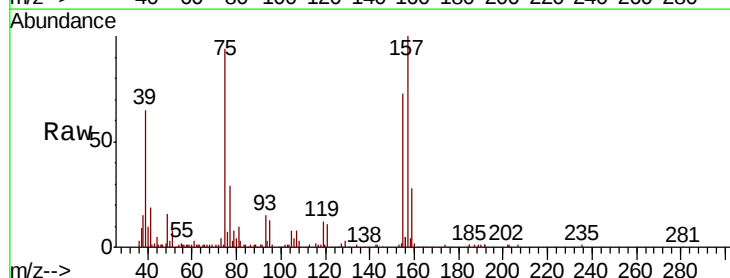
Tgt Ion: 75 Resp: 23253

Ion Ratio Lower Upper

75 100

155 77.8 71.1 106.7

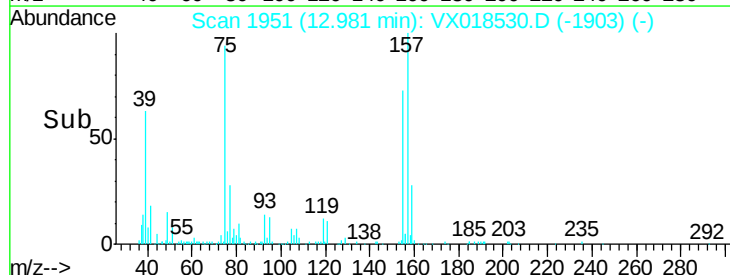
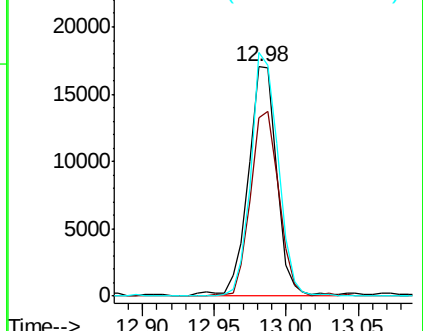
157 106.1 83.5 125.3

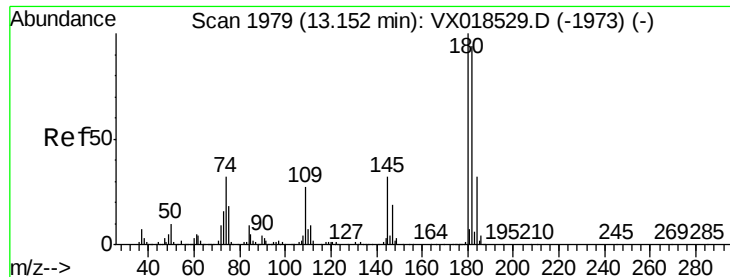


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

1,3,5-Trichlorobenzene

Concen: 6.782 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

Tot Ion:180 Resp: 228079

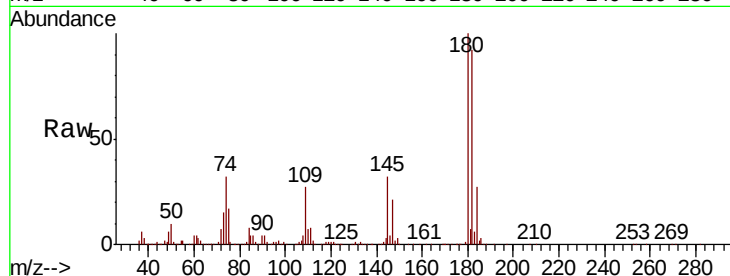
Ion Ratio Lower Upper

180 100

182 96.6 74.3 111.5

184 30.1 24.6 37.0

145 32.0 24.6 37.0

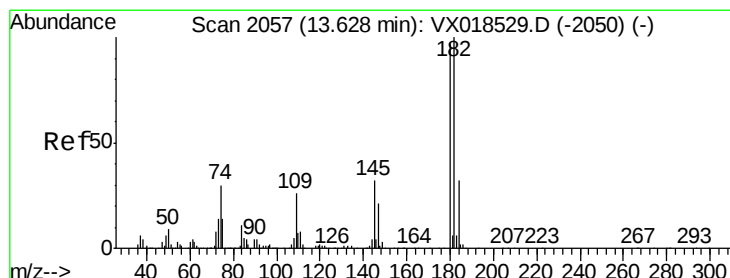
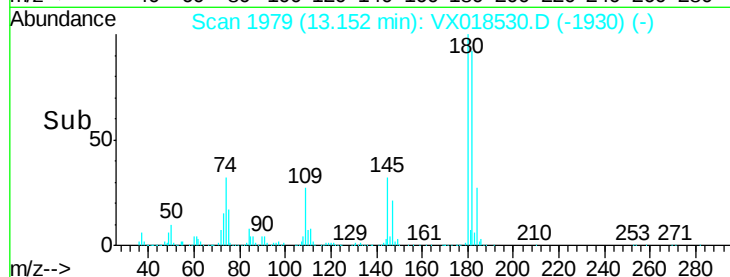
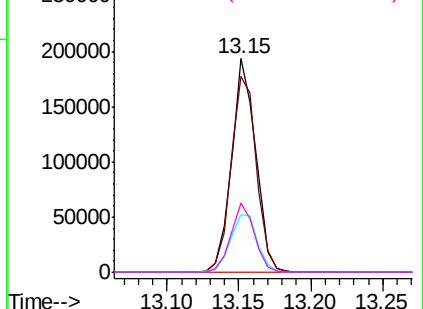


Abundance Ion 180.00 (179.70 to 180.70): V

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: 7.112 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

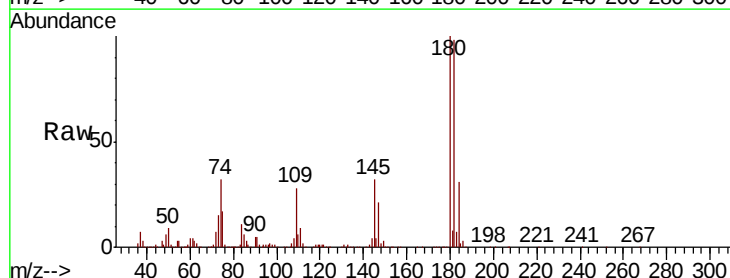
Tgt Ion:180 Resp: 199252

Ion Ratio Lower Upper

180 100

182 96.1 74.7 112.1

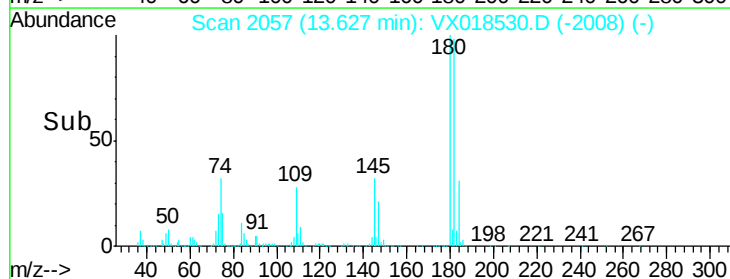
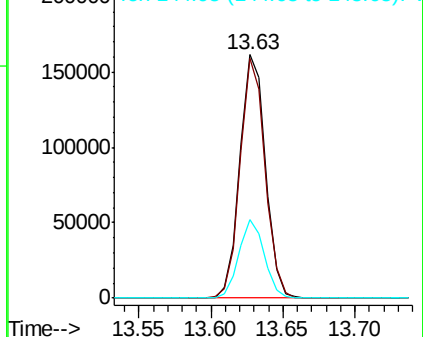
145 32.2 26.6 39.8

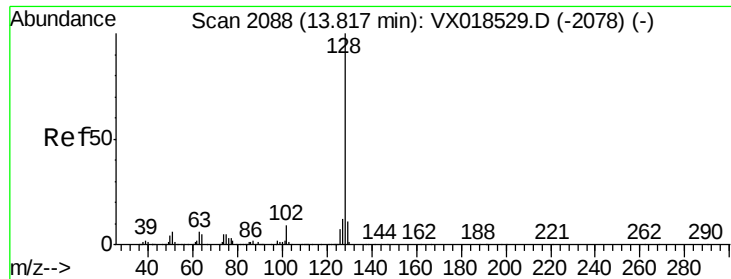


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 7.133 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

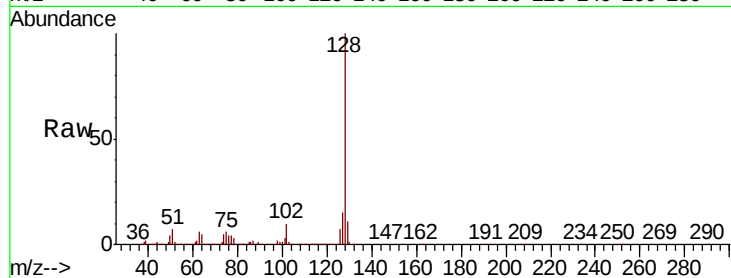
Tot Ion:128 Resp: 338847

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

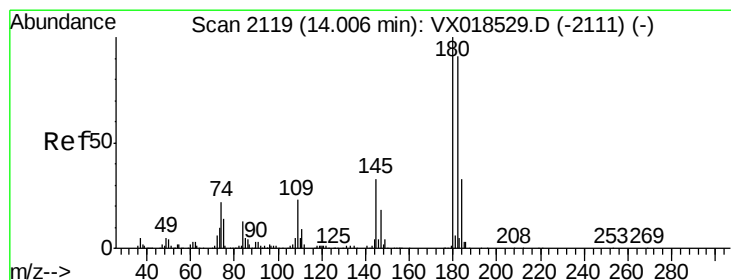
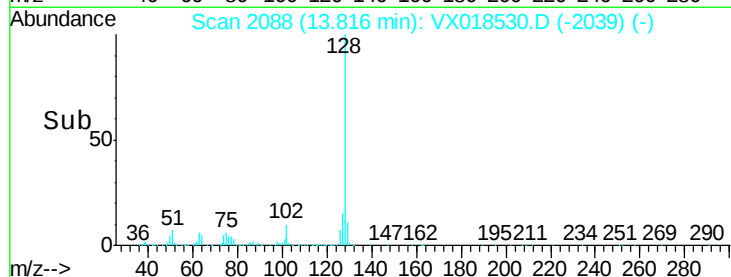
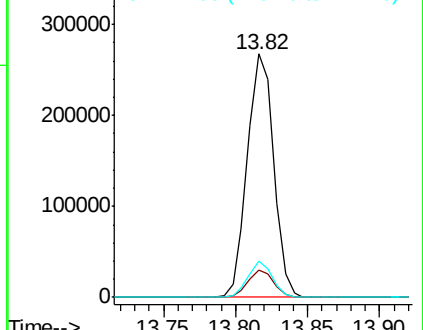
127 13.8 10.1 15.1



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: 7.231 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX018530.D

Acq: 22 Sep 2020 19:31

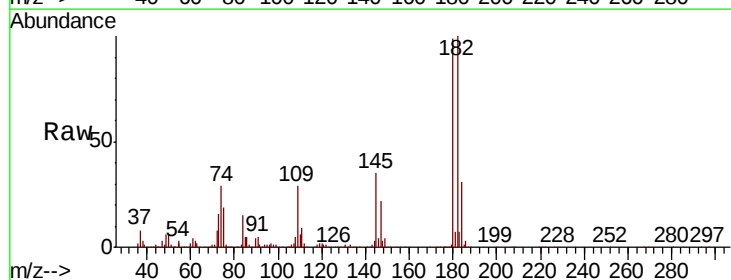
Tgt Ion:180 Resp: 178657

Ion Ratio Lower Upper

180 100

182 101.2 76.9 115.3

145 33.7 27.6 41.4



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

