

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092220\
 Data File : VX018531.D
 Acq On : 22 Sep 2020 19:55
 Operator : JC/SP
 Sample : VSTD02065
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

Quant Time: Sep 23 03:52:10 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	310073	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	295933	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	149609	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	330809	26.50	ug/L	0.00
7) Chloroethane-d5	1.70	69	260567	26.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	735833	30.10	ug/L	0.00
20) 2-Butanone-d5	4.56	46	828455	306.08	ug/L	0.00
24) Chloroform-d	5.14	84	721834	24.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	385159	21.81	ug/L	0.00
32) Benzene-d6	6.05	84	1367118	18.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	407867	19.27	ug/L	0.00
41) Toluene-d8	8.70	98	1339417	18.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	179479	19.84	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	723272	230.10	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	306735	19.48	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	497496	19.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	366672	13.226 ug/L	99
3) Chloromethane	1.31	50	302320	22.534 ug/L	98
5) Vinyl chloride	1.39	62	315913	22.699 ug/L	98
6) Bromomethane	1.64	94	188024	22.642 ug/L	100
8) Chloroethane	1.72	64	176153	23.521 ug/L	99
9) Trichlorofluoromethane	1.92	101	535381	19.753 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	308117	25.179 ug/L	99
12) 1,1-Dichloroethene	2.36	96	283527	25.527 ug/L	93
13) Acetone	2.46	43	423670	269.584 ug/L	99
14) Carbon disulfide	2.55	76	888317	16.272 ug/L	97
15) Methyl Acetate	2.76	43	108851	19.866 ug/L	# 91
16) Methylene chloride	2.84	84	277691	13.480 ug/L	89
17) Methyl tert-butyl Ether	3.17	73	667247	16.172 ug/L	99
18) trans-1,2-Dichloroethene	3.14	96	287835	14.498 ug/L	94
19) 1,1-Dichloroethane	3.67	63	519258	15.840 ug/L	98
21) 2-Butanone	4.66	43	706328	262.288 ug/L	99
22) cis-1,2-Dichloroethene	4.57	96	297987	14.230 ug/L	93
23) Bromochloromethane	4.99	128	140778	15.842 ug/L	97
25) Chloroform	5.17	83	561103	12.452 ug/L	96
27) 1,2-Dichloroethane	6.17	62	358281	17.775 ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	541366	15.710 ug/L	96
30) Cyclohexane	5.55	56	471791	14.989 ug/L	100
31) Carbon tetrachloride	5.76	117	499749	16.676 ug/L	97
33) Benzene	6.11	78	1145997	14.896 ug/L	100
34) Trichloroethene	7.19	95	315663	14.394 ug/L	95
35) Methylcyclohexane	7.44	83	489093	13.741 ug/L	96
37) 1,2-Dichloropropane	7.49	63	284114	15.592 ug/L	98
38) Bromodichloromethane	7.87	83	389098	15.052 ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	446266	15.710 ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	1749624	193.721 ug/L	98

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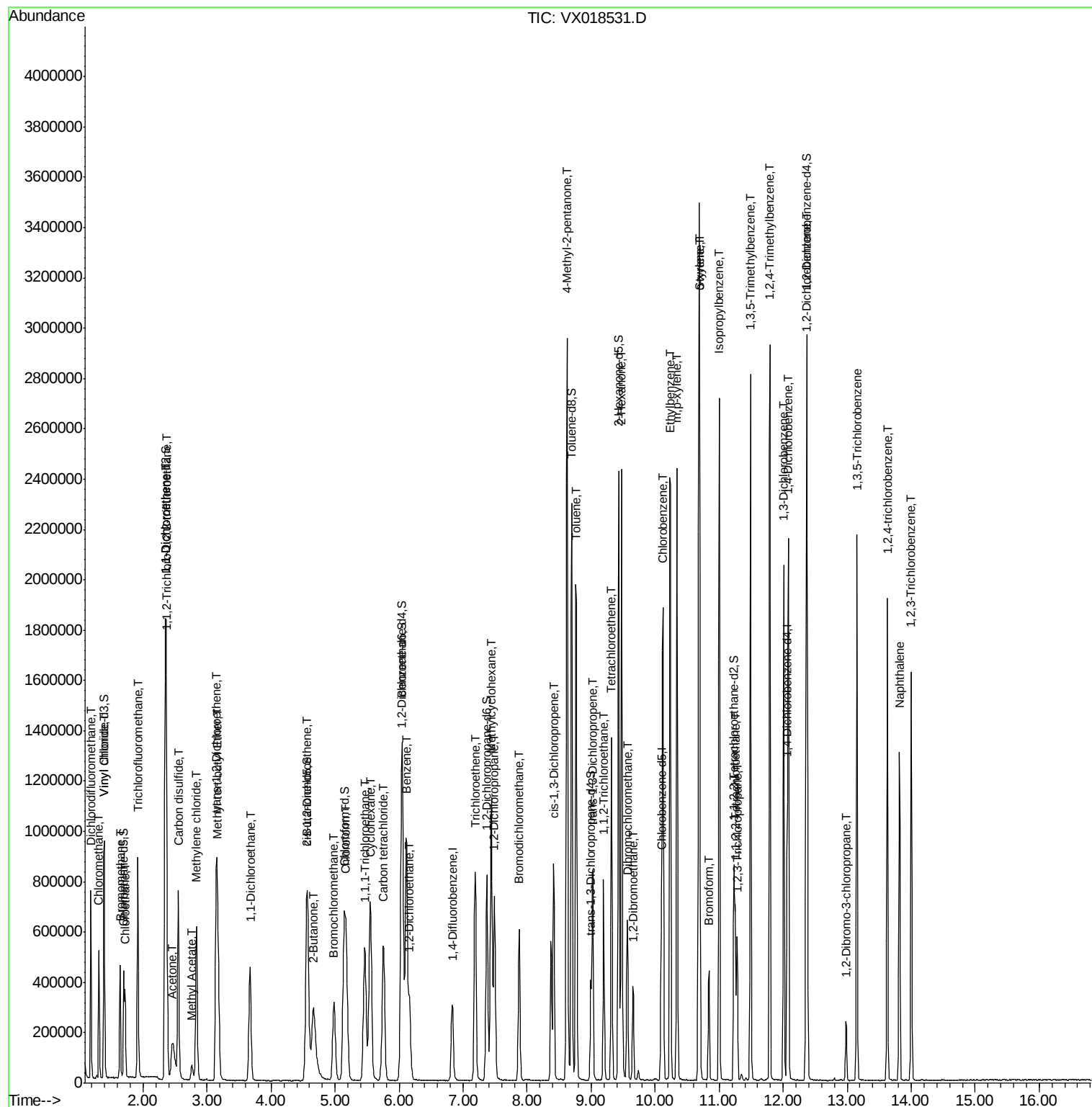
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	1264668	15.113	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	400881	17.267	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	202660	14.990	ug/L	95
47) Tetrachloroethene	9.32	164	254174	14.611	ug/L	96
48) 2-Hexanone	9.48	43	1292703	197.805	ug/L	99
49) Dibromochloromethane	9.57	129	280566	16.015	ug/L	95
50) 1,2-Dibromoethane	9.65	107	203471	15.719	ug/L #	93
51) Chlorobenzene	10.12	112	794377	14.286	ug/L	97
52) Ethylbenzene	10.24	91	1383174	14.585	ug/L	97
53) m,p-xylene	10.34	106	535426	14.731	ug/L	99
54) o-xylene	10.68	106	516192	14.829	ug/L	97
55) Styrene	10.70	104	879571	15.244	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	241950	15.803	ug/L	99
59) Bromoform	10.84	173	164527	17.956	ug/L	97
60) Isopropylbenzene	11.00	105	1408660	14.738	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	177181	15.781	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	1214935	15.338	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	1230657	15.775	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	671950	14.786	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	660098	14.846	ug/L	98
67) 1,2-Dichlorobenzene	12.38	146	608269	15.152	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	47202	17.379	ug/L	86
69) 1,3,5-Trichlorobenzene	13.15	180	496759	14.928	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	441805	15.938	ug/L	97
71) Naphthalene	13.82	128	778171	16.557	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	381815	15.619	ug/L	99

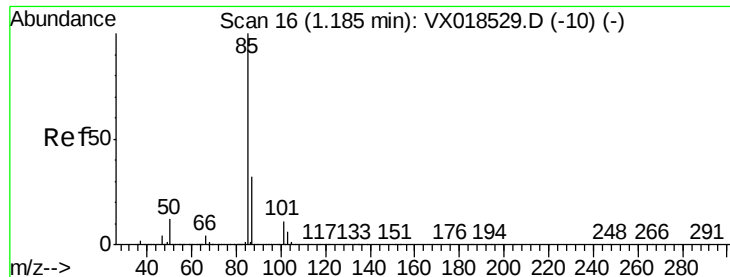
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.226 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

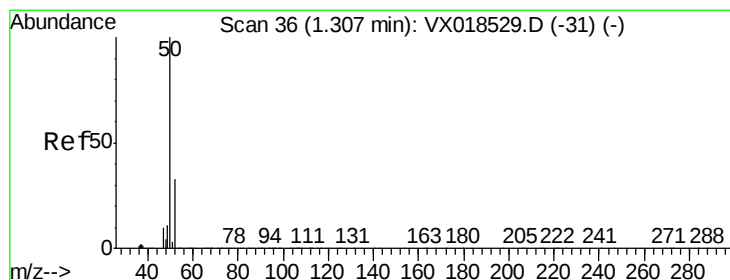
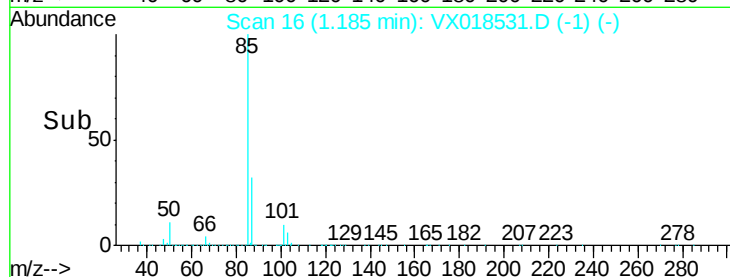
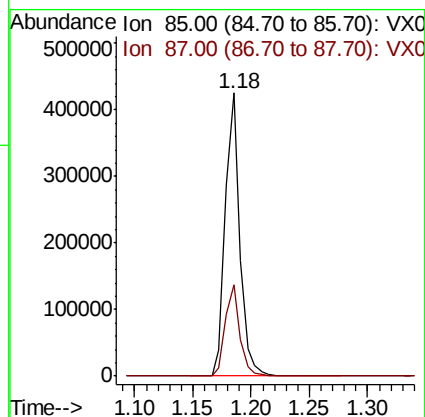
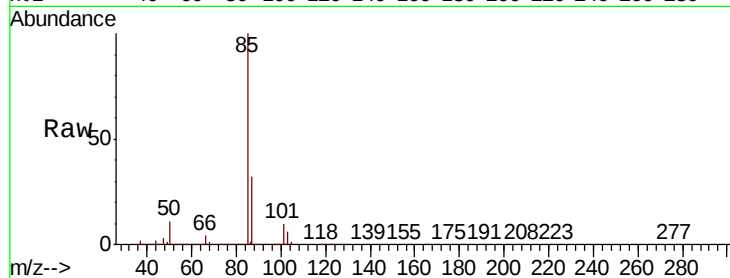
VSTD020305

Tot Ion: 85 Resp: 366672

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



#3

Chloromethane

Concen: 22.534 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX018531.D

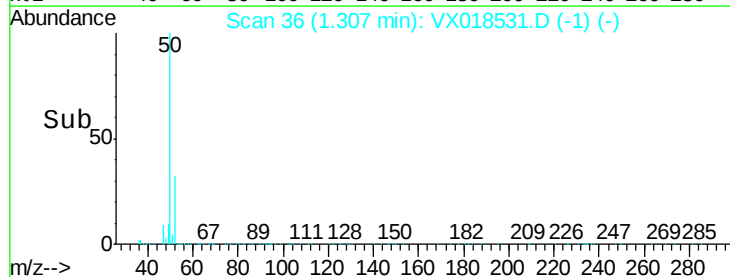
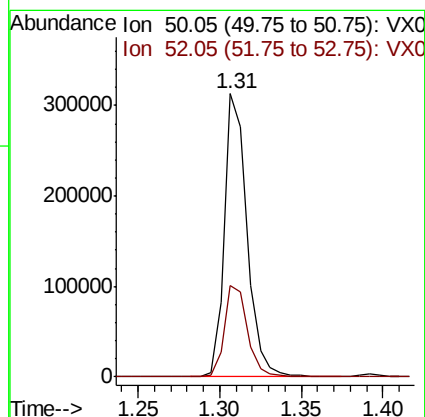
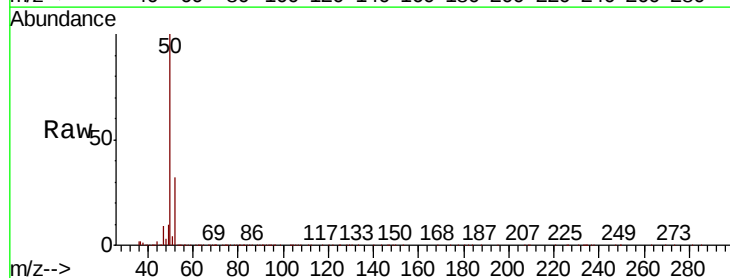
Acq: 22 Sep 2020 19:55

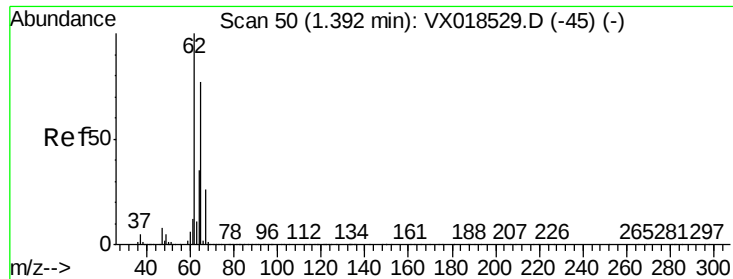
Tgt Ion: 50 Resp: 302320

Ion Ratio Lower Upper

50 100

52 32.1 23.1 42.9





#5

Vinyl chloride

Concen: 22.699 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

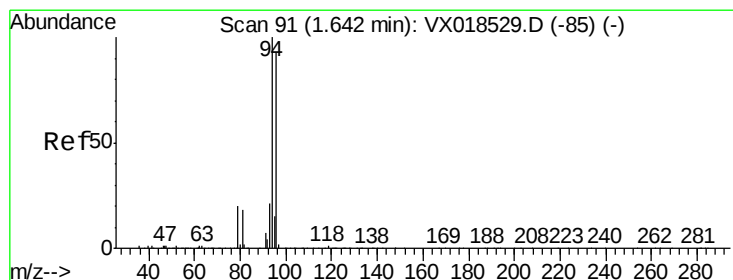
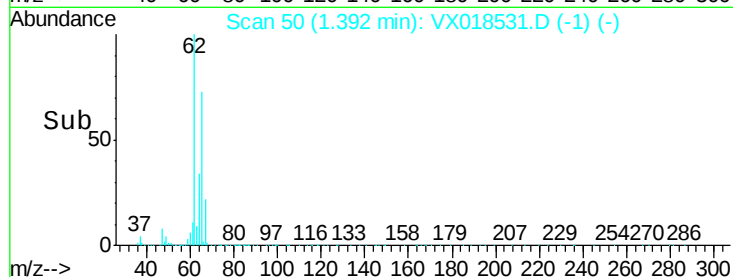
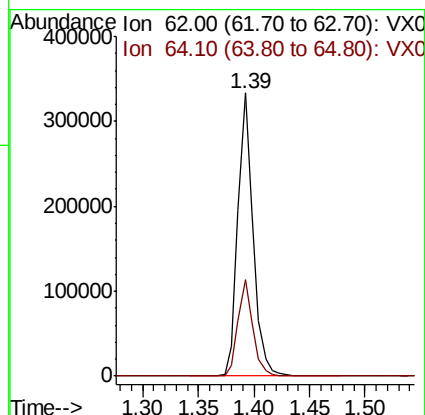
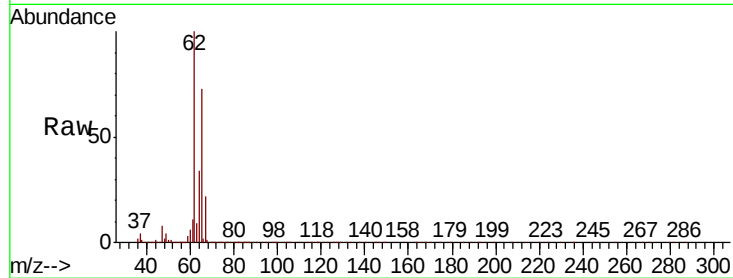
VSTD020305

Tot Ion: 62 Resp: 315913

Ion Ratio Lower Upper

62 100

64 34.3 24.8 46.0



#6

Bromomethane

Concen: 22.642 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX018531.D

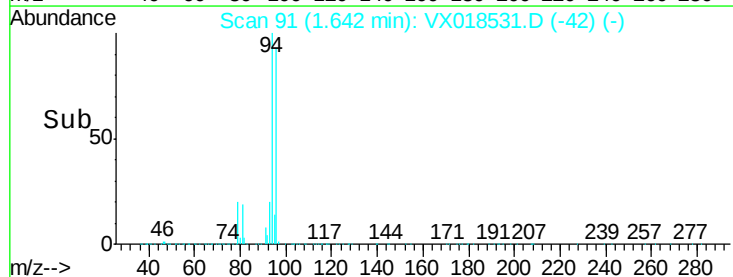
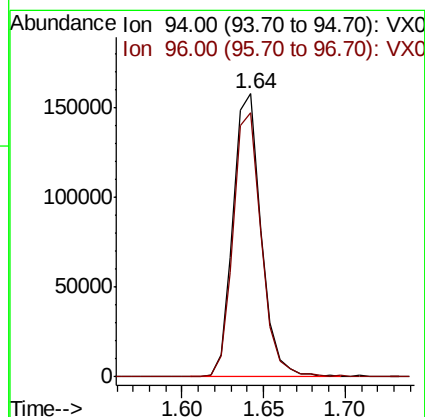
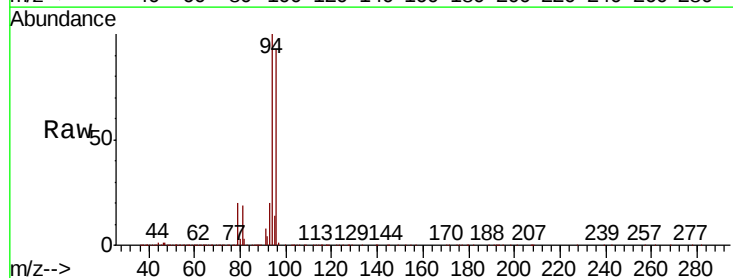
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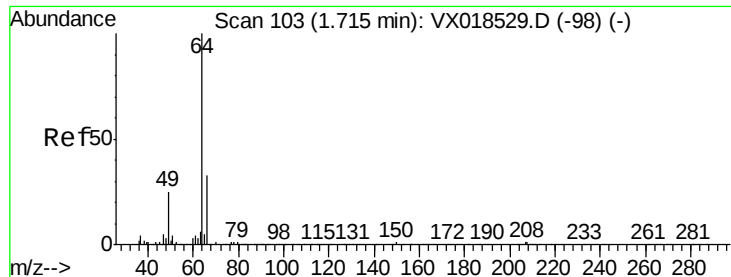
Tgt Ion: 94 Resp: 188024

Ion Ratio Lower Upper

94 100

96 93.2 65.2 121.2

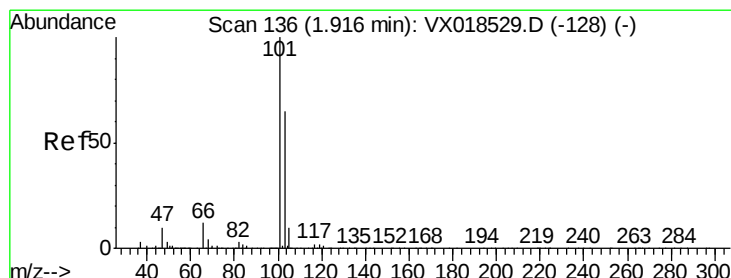
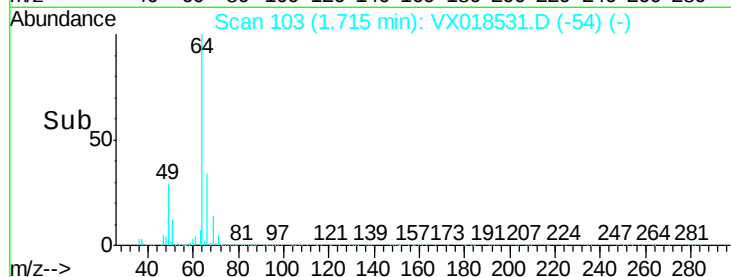
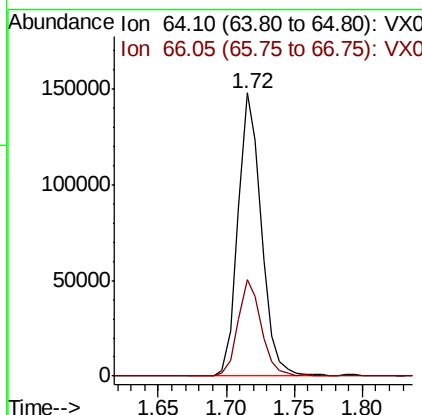
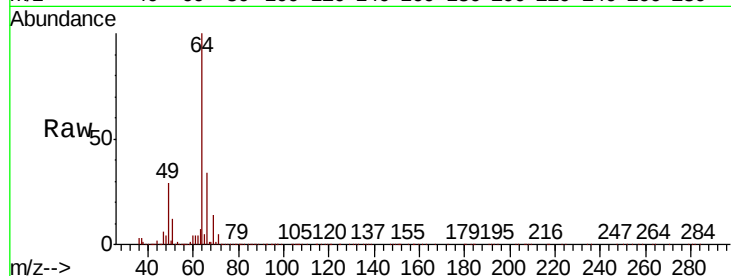




#8
Chloroethane
Concen: 23.521 ug/L
RT: 1.72 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

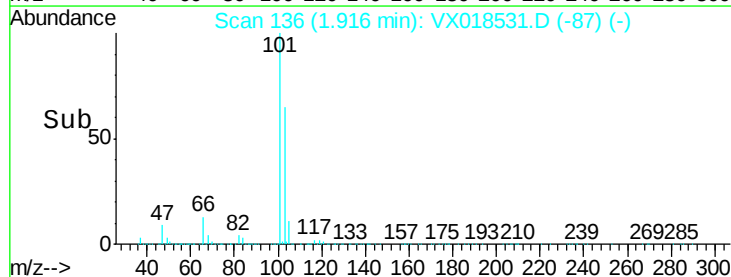
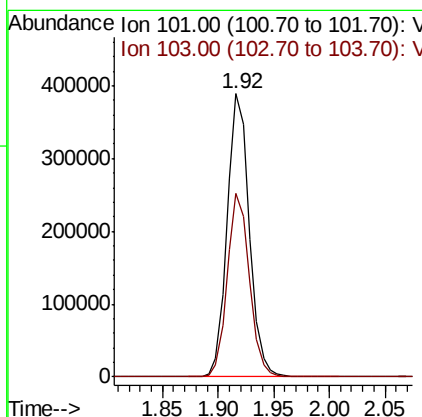
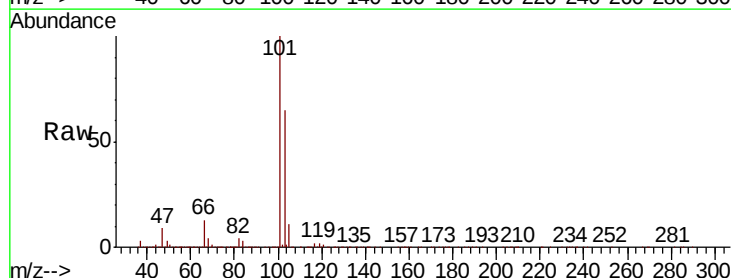
Instrument :
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ClientSampleId :
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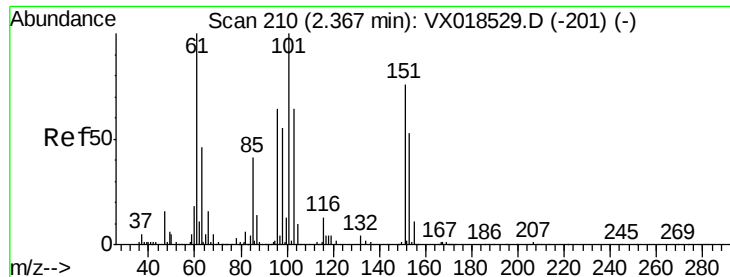
Tot Ion: 64 Resp: 176153
Ion Ratio Lower Upper
64 100
66 33.9 23.4 43.4



#9
Trichlorofluoromethane
Concen: 19.753 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

Tgt Ion: 101 Resp: 535381
Ion Ratio Lower Upper
101 100
103 65.0 50.2 75.2





#10

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

Concen: 25.179 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD020305

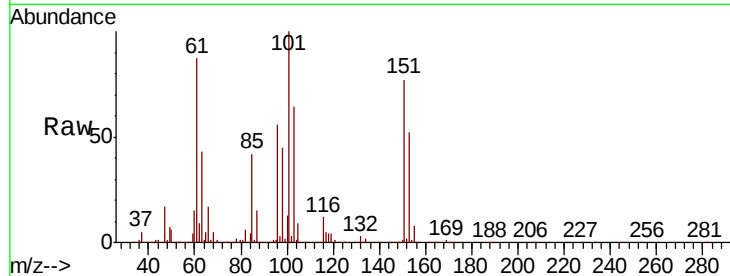
Tot Ion:101 Resp: 308117

Ion Ratio Lower Upper

101 100

85 43.3 35.9 53.9

151 78.3 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

2.37

150000

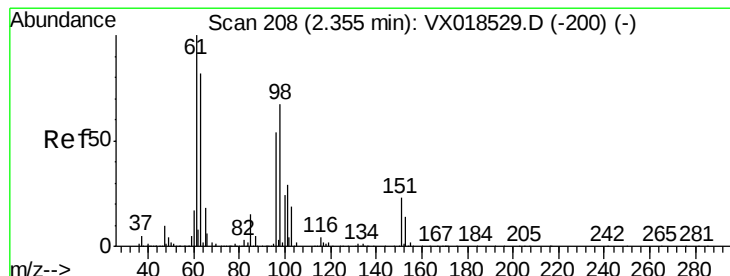
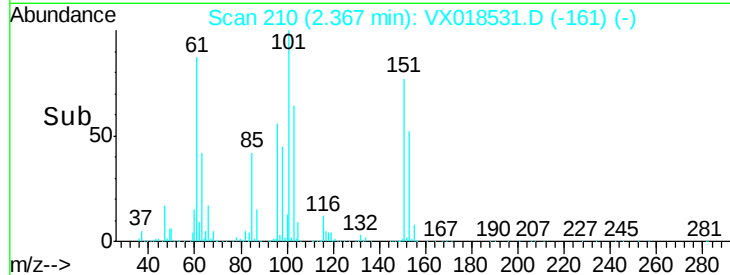
100000

50000

0

2.30 2.40 2.50

Time-->



#12

1,1-Dichloroethene

Concen: 25.527 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

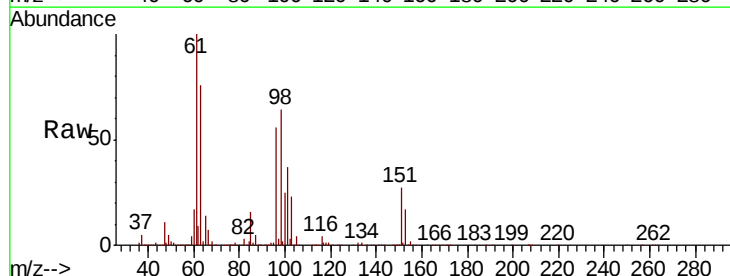
Tgt Ion: 96 Resp: 283527

Ion Ratio Lower Upper

96 100

61 179.3 128.9 239.3

63 135.4 105.6 196.2



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

600000

500000

400000

300000

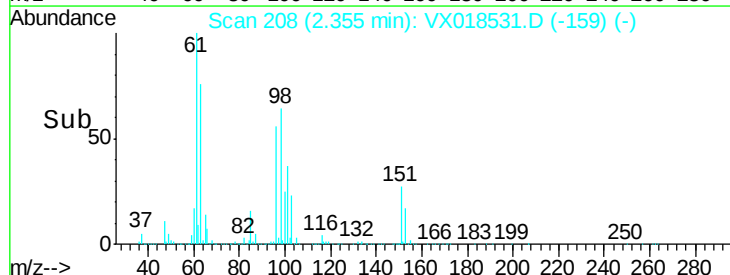
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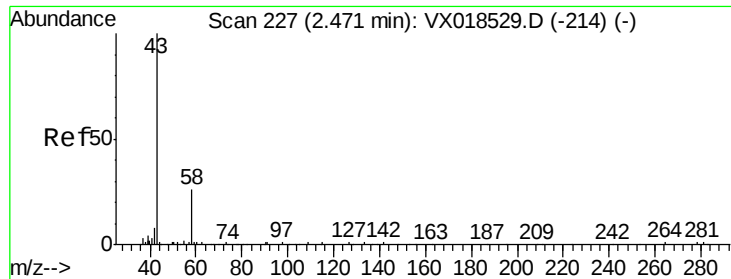
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0

2.20 2.30 2.40

Time-->





#13

Acetone

Concen: 269.584 ug/L

RT: 2.46 min Scan# 225

Delta R.T. -0.01 min

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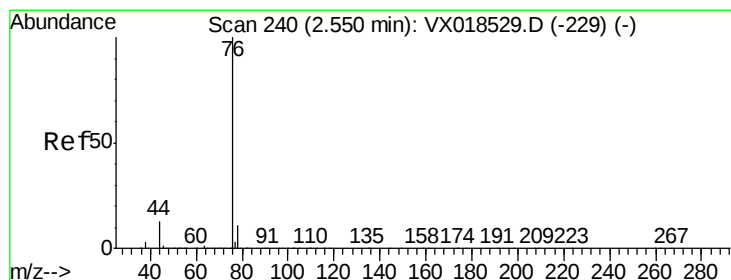
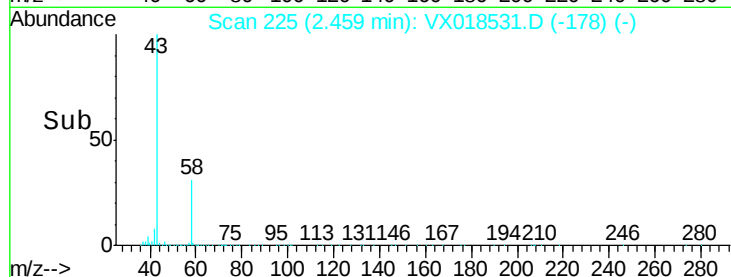
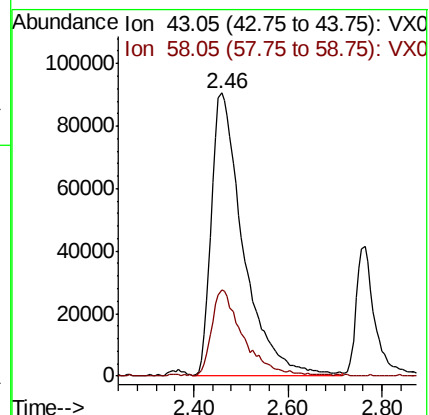
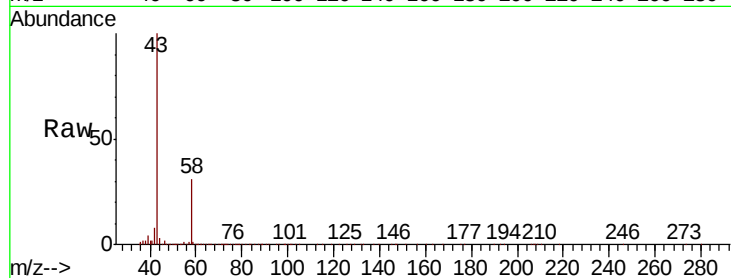
VSTD020305

Tot Ion: 43 Resp: 423670

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.0



#14

Carbon disulfide

Concen: 16.272 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018531.D

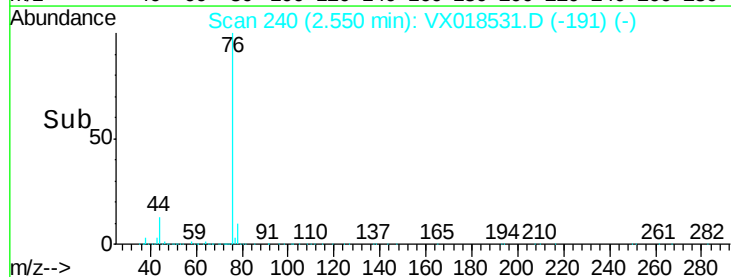
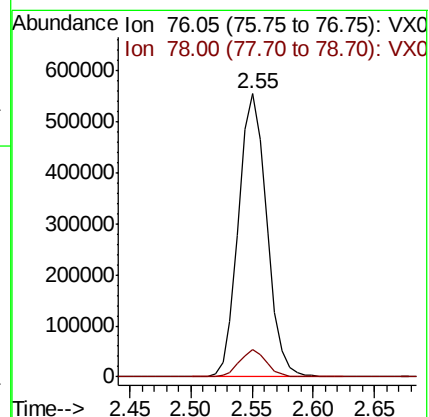
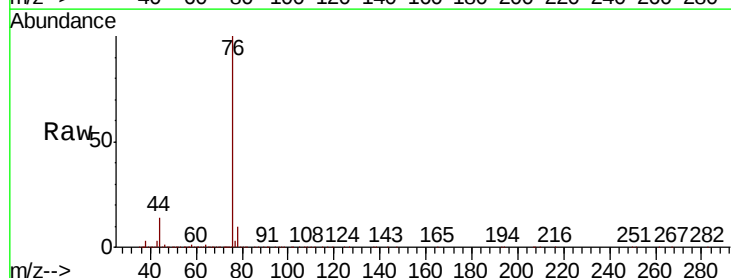
Acq: 22 Sep 2020 19:55

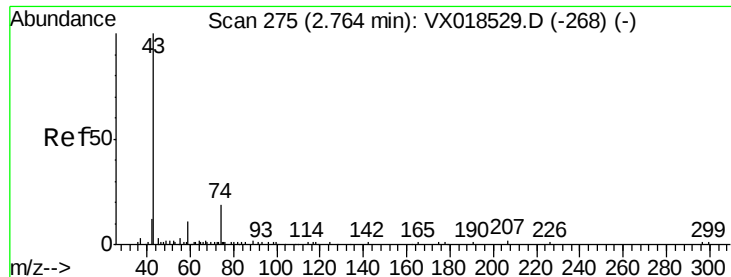
Tgt Ion: 76 Resp: 888317

Ion Ratio Lower Upper

76 100

78 9.5 8.5 12.7





#15

Methvl Acetate

Concen: 19.866 ug/L

RT: 2.76 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

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ClientSampleId :

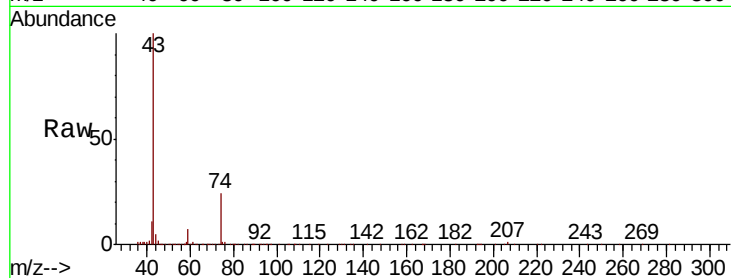
VSTD020305

Tot Ion: 43 Resp: 108851

Ion Ratio Lower Upper

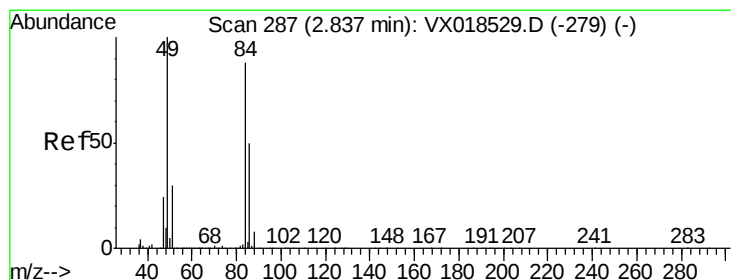
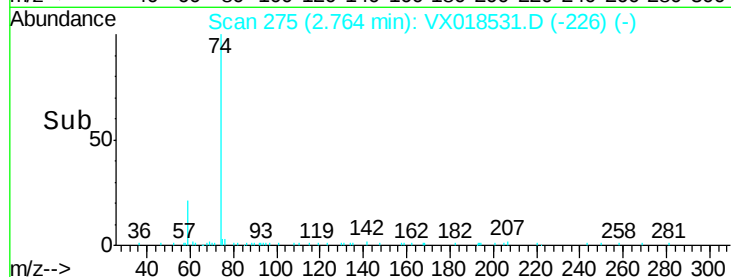
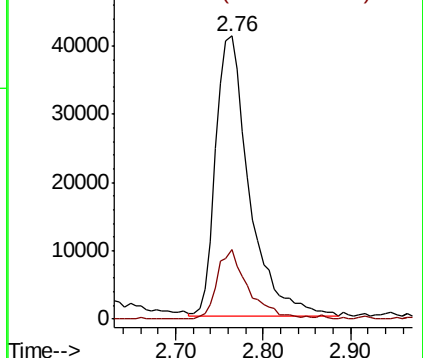
43 100

74 23.7 15.8 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 13.480 ug/L

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

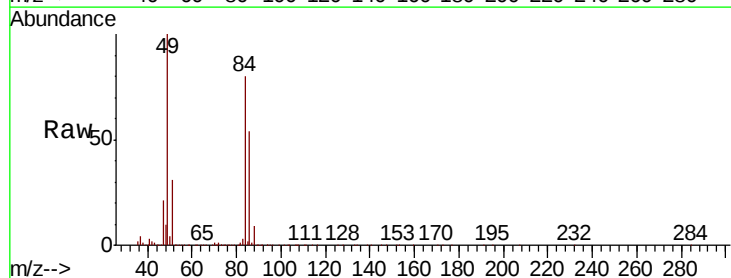
Tgt Ion: 84 Resp: 277691

Ion Ratio Lower Upper

84 100

86 67.1 39.8 74.0

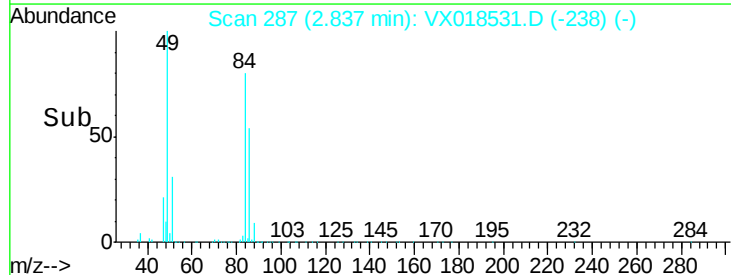
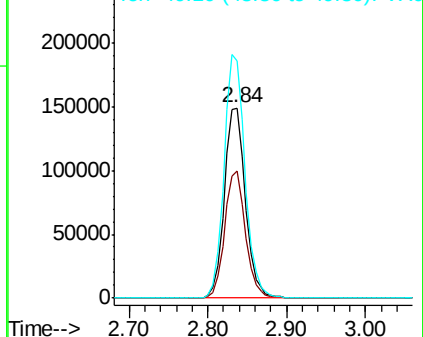
49 124.5 79.5 147.6

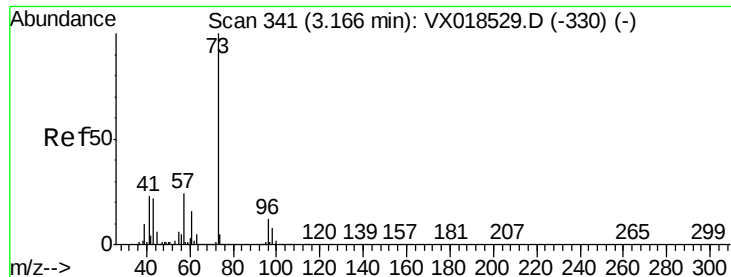


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

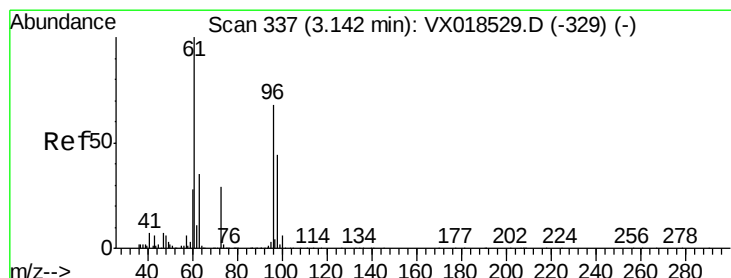
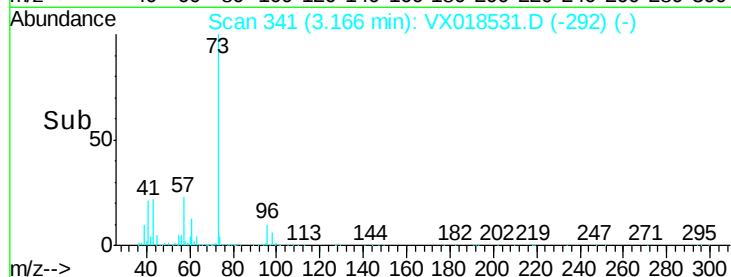
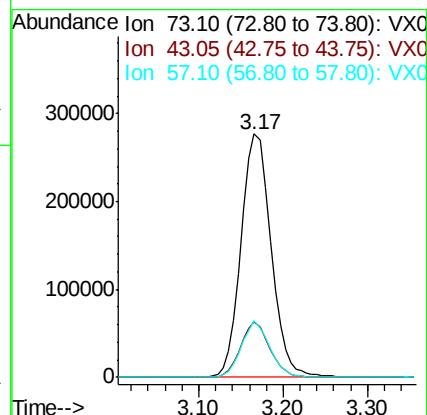
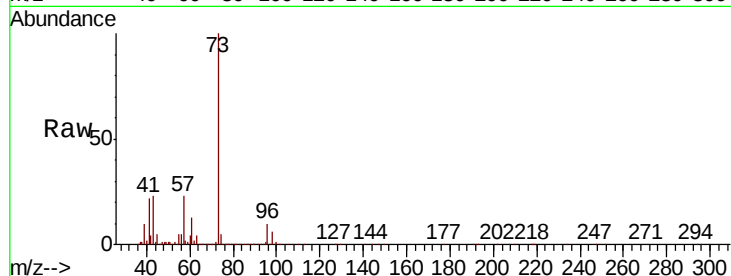




#17
Methvl tert-butvl Ether
Concen: 16.172 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

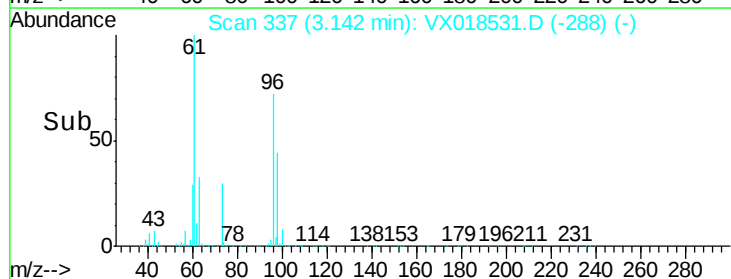
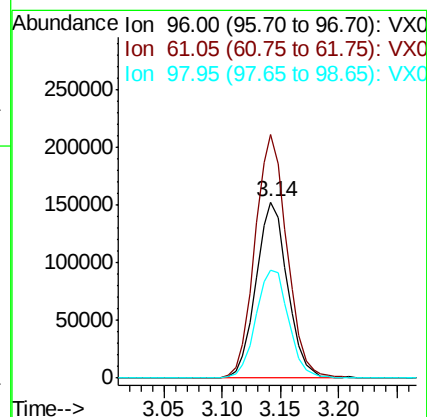
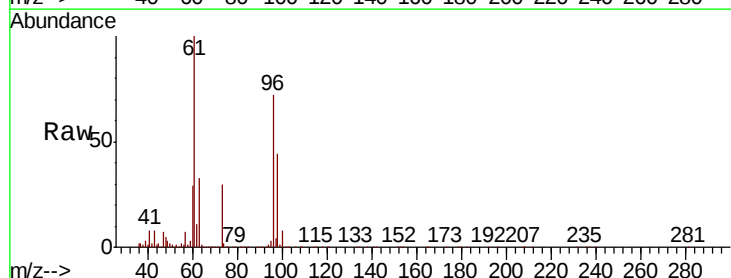
Instrument :
MSVOA_X
ClientSampleId :
VSTD020305

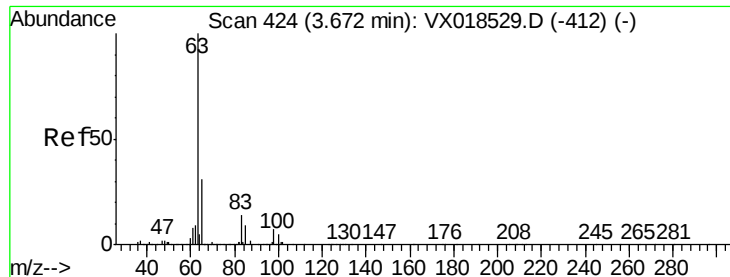
Tot Ion	Ratio	Lower	Upper
73	100		
43	22.1	18.3	27.5
57	21.9	18.0	27.0



#18
trans-1,2-Dichloroethene
Concen: 14.498 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.4	102.6	190.6
98	61.1	45.2	84.0





#19

1,1-Dichloroethane

Concen: 15.840 ug/L

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD020305

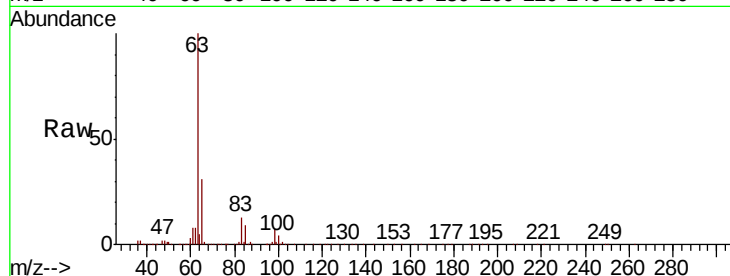
Tot Ion: 63 Resp: 519258

Ion Ratio Lower Upper

63 100

65 30.6 21.7 40.3

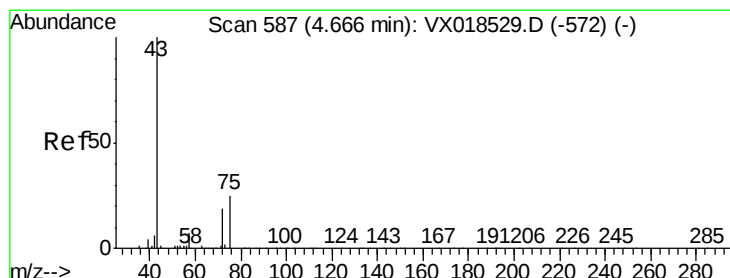
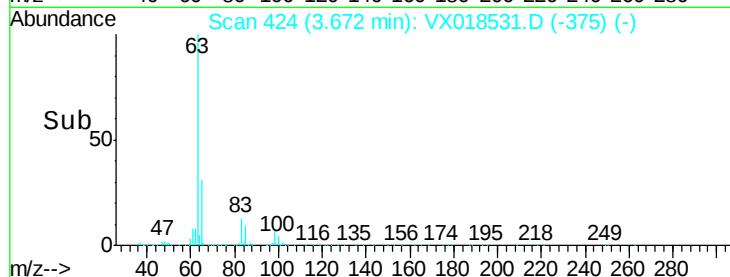
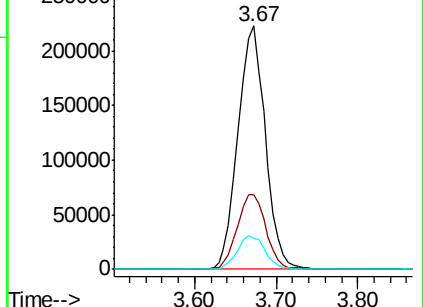
83 12.7 10.0 18.6



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: 262.288 ug/L

RT: 4.66 min Scan# 586

Delta R.T. -0.01 min

Lab File: VX018531.D

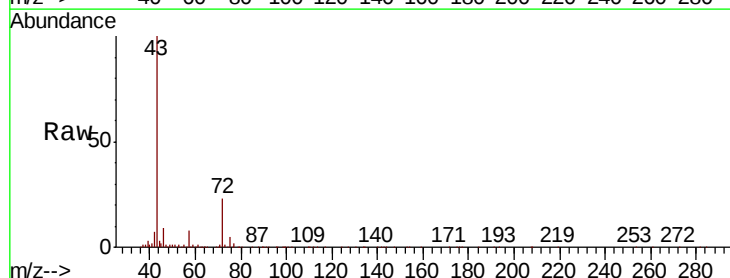
Acq: 22 Sep 2020 19:55

Tgt Ion: 43 Resp: 706328

Ion Ratio Lower Upper

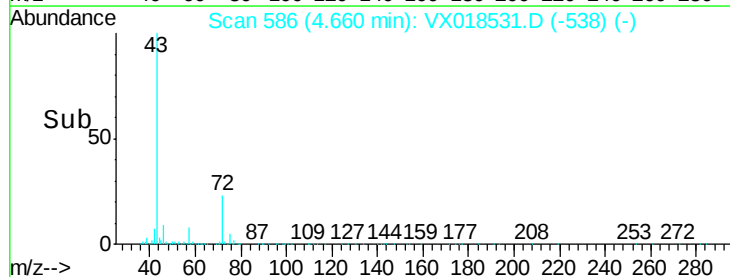
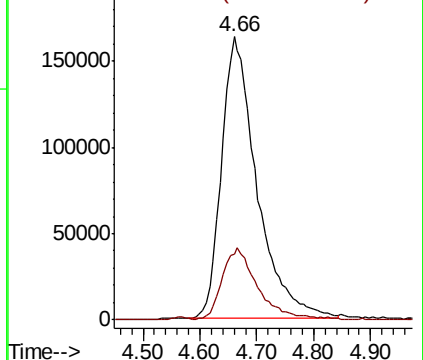
43 100

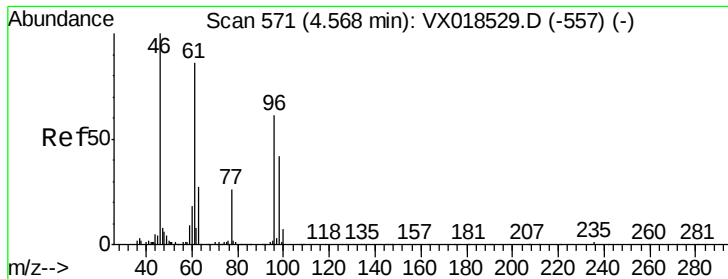
72 25.2 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 72.10 (71.80 to 72.80): VX0



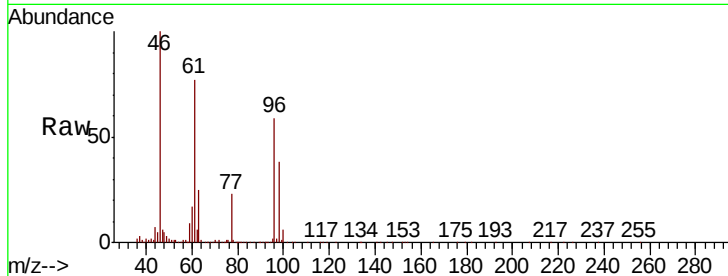


#22

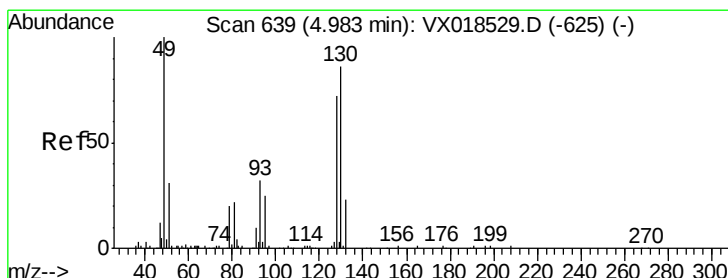
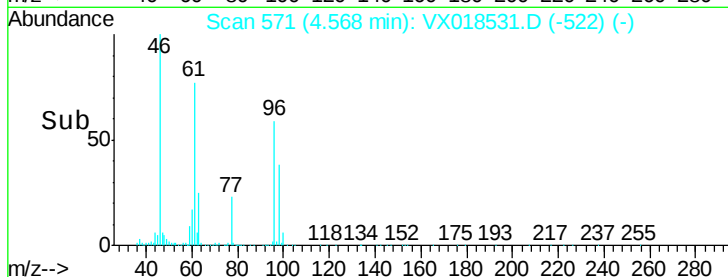
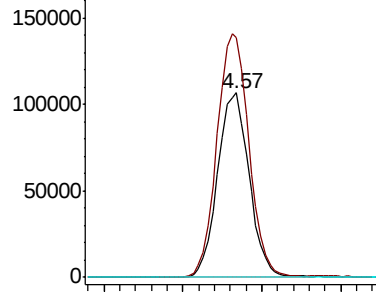
cis-1,2-Dichloroethene
 Concen: 14.230 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	97.5	181.1
68	0.0	0.0	0.0



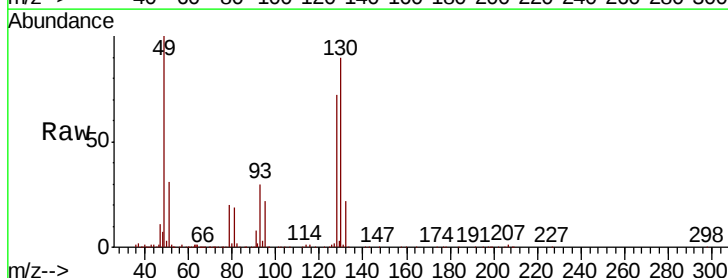
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



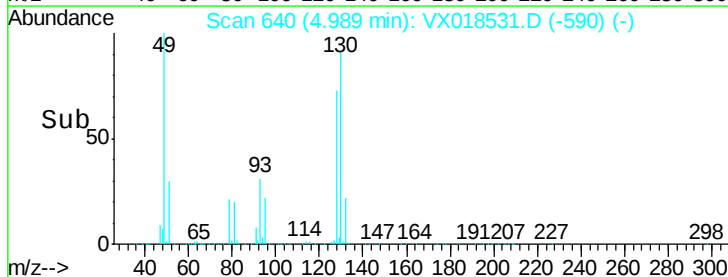
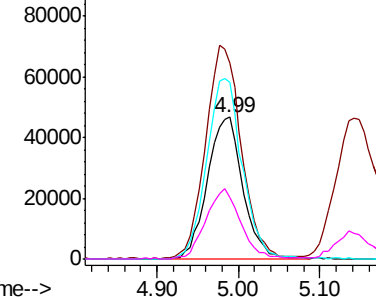
#23

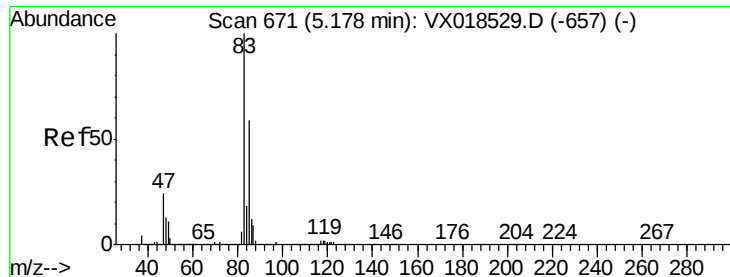
Bromochloromethane
 Concen: 15.842 ug/L
 RT: 4.99 min Scan# 640
 Delta R.T. 0.01 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	138.4	99.6	185.0
130	124.3	83.6	155.2
51	43.5	35.2	52.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VX0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VX0





#25

Chloroform

Concen: 12.452 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

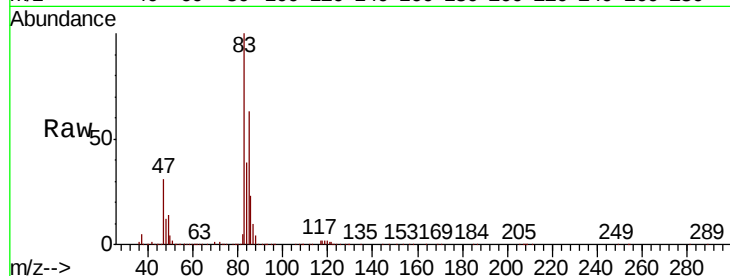
VSTD020305

Tot Ion: 83 Resp: 561103

Ion Ratio Lower Upper

83 100

85 62.7 41.6 77.3



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.17

200000

150000

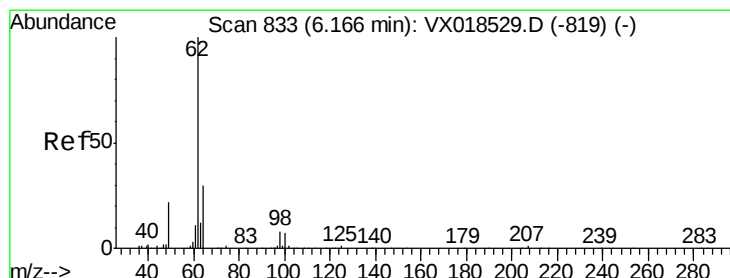
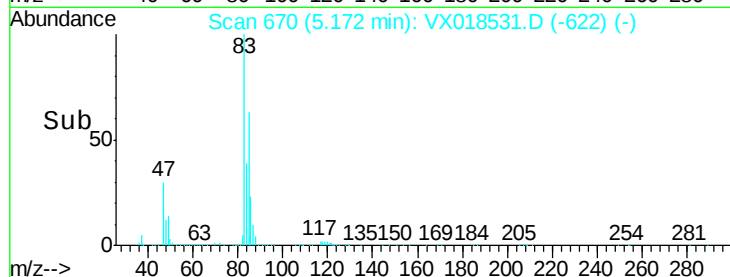
100000

50000

0

Time-->

5.00 5.10 5.20 5.30



#27

1,2-Dichloroethane

Concen: 17.775 ug/L

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018531.D

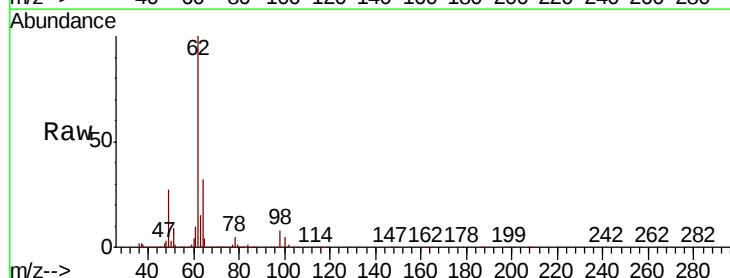
Acq: 22 Sep 2020 19:55

Tgt Ion: 62 Resp: 358281

Ion Ratio Lower Upper

62 100

98 7.5 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

6.17

150000

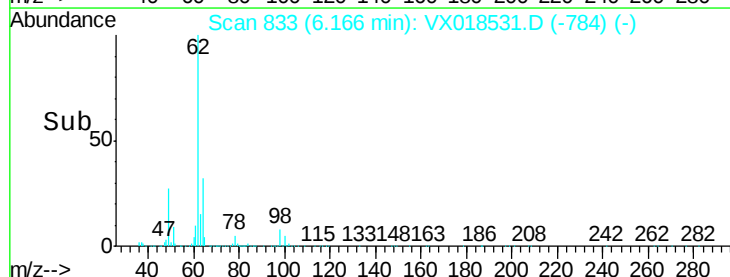
100000

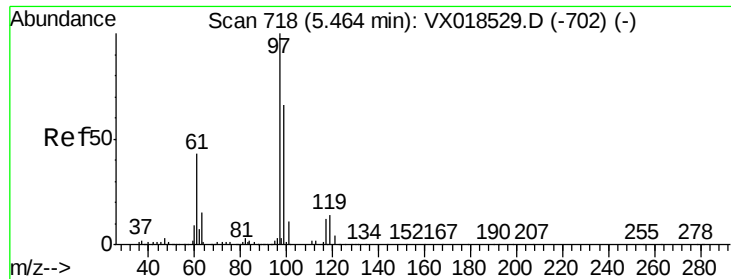
50000

0

Time-->

6.00 6.10 6.20 6.30

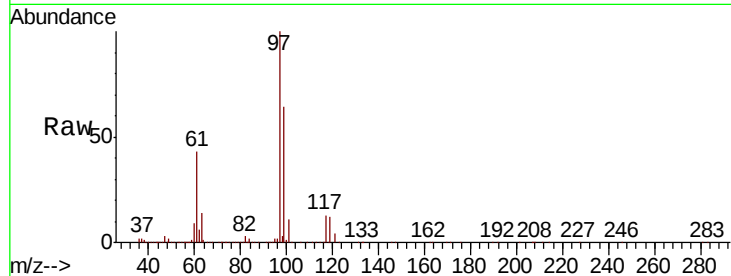




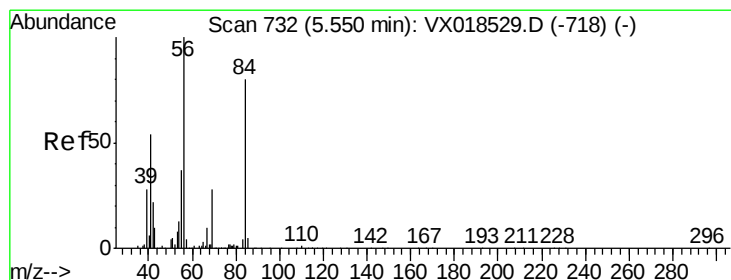
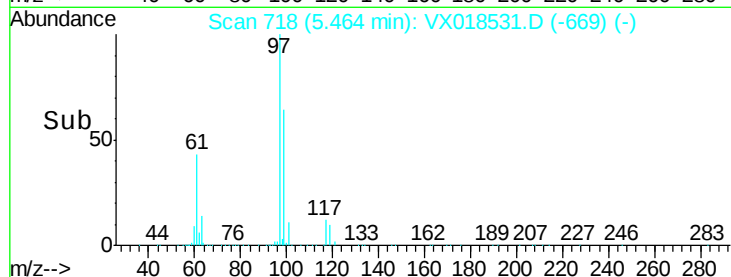
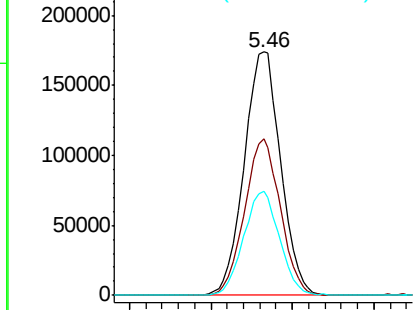
#29
 1,1,1-Trichloroethane
 Concen: 15.710 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.1	53.6	80.4
61	42.0	34.8	52.2

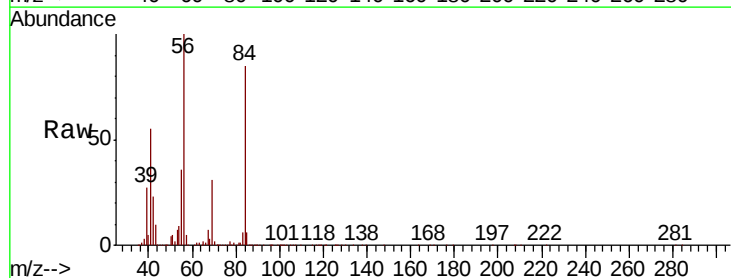


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 61.05 (60.75 to 61.75): VX0

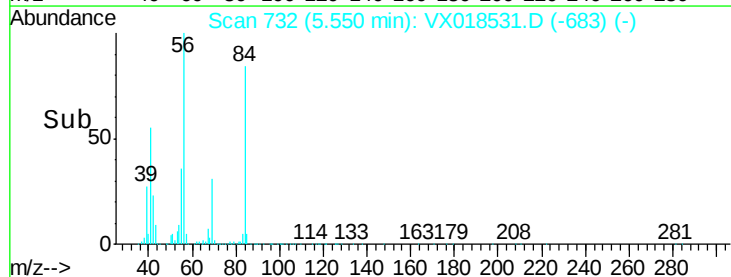
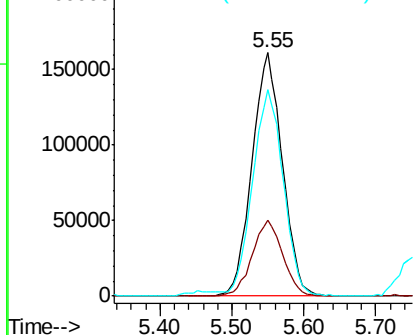


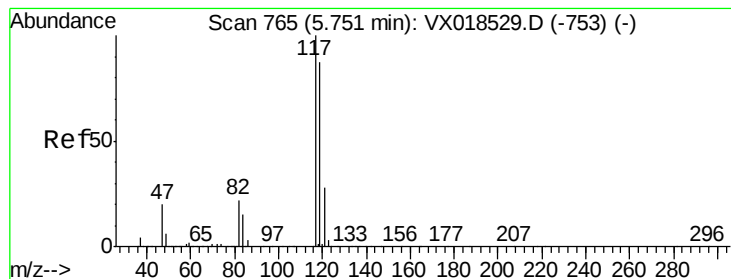
#30
 Cyclohexane
 Concen: 14.989 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.7	37.1
84	86.0	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: 16.676 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

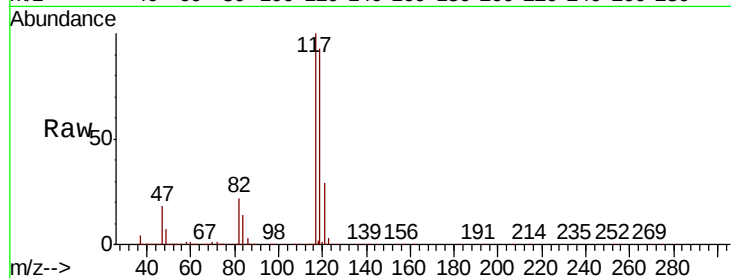
VSTD020305

Tot Ion:117 Resp: 499749

Ion Ratio Lower Upper

117 100

119 95.0 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

200000

150000

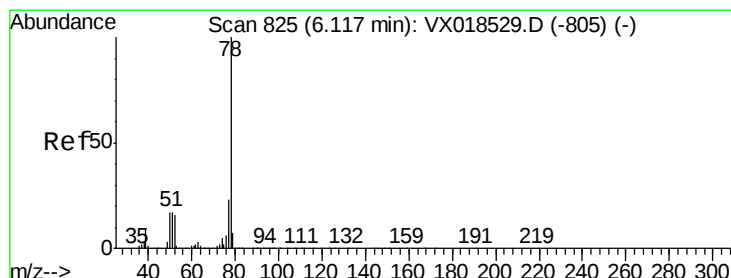
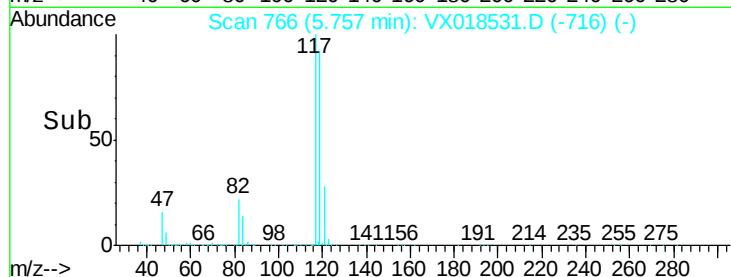
100000

50000

0

5.60 5.70 5.80 5.90

Time-->



#33

Benzene

Concen: 14.896 ug/L

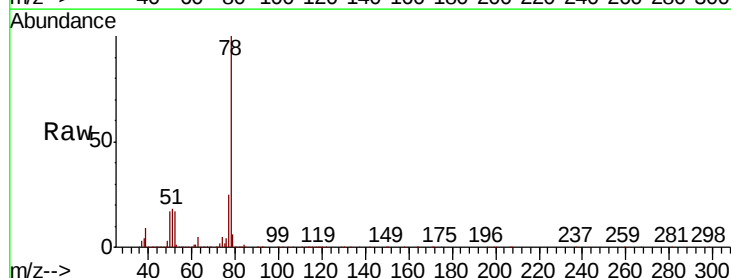
RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Tgt Ion: 78 Resp: 1145997



Abundance Ion 78.10 (77.80 to 78.80): VX0

500000

400000

300000

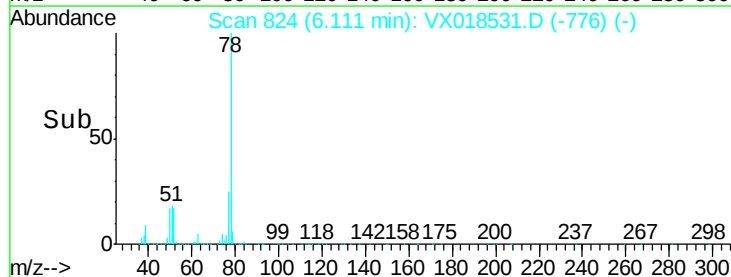
200000

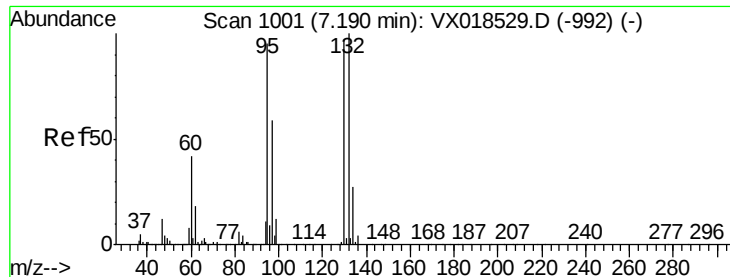
100000

0

5.90 6.00 6.10 6.20

Time-->

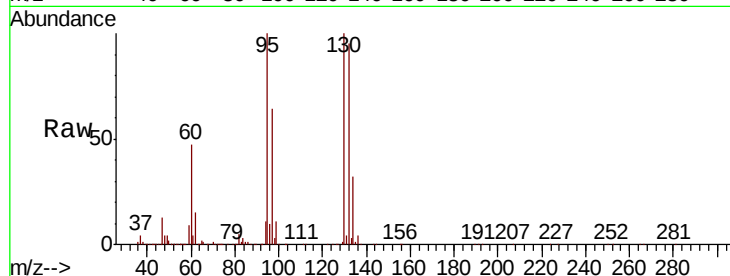




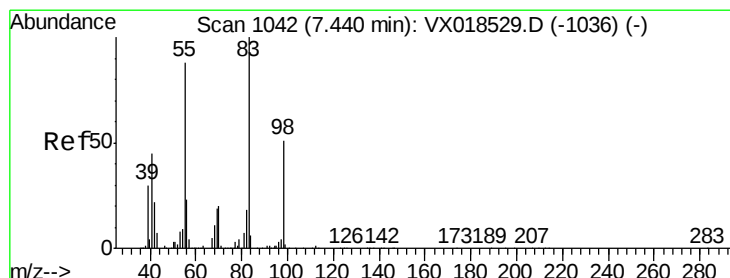
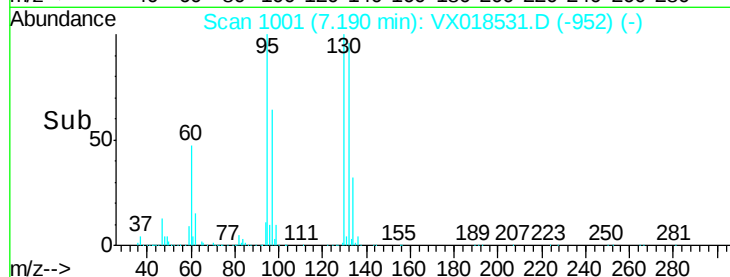
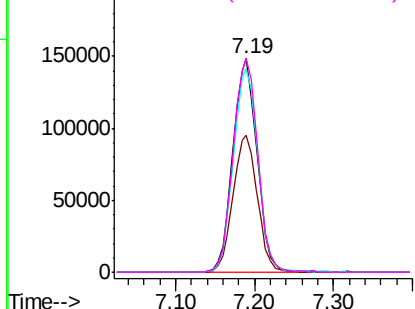
#34
 Trichloroethene
 Concen: 14.394 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

Tot Ion: 95 Resp: 315663
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.0 81.8
 132 95.4 74.1 137.7
 130 99.9 71.7 133.1

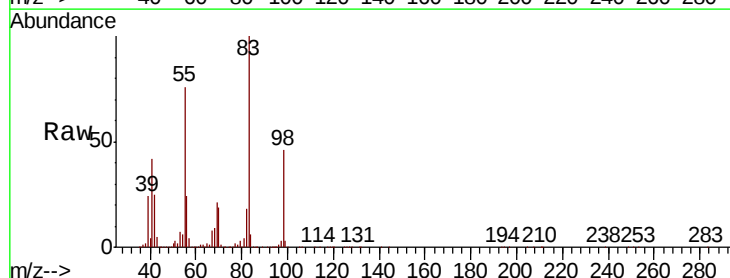


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 96.95 (96.65 to 97.65): VX0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

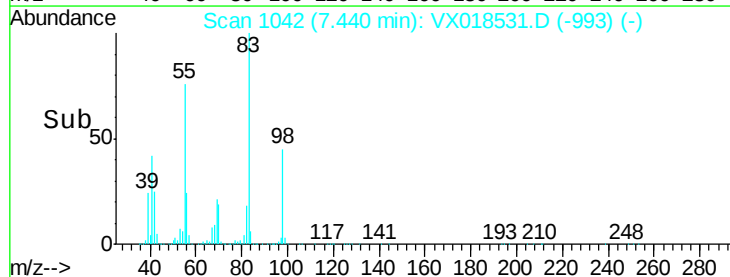
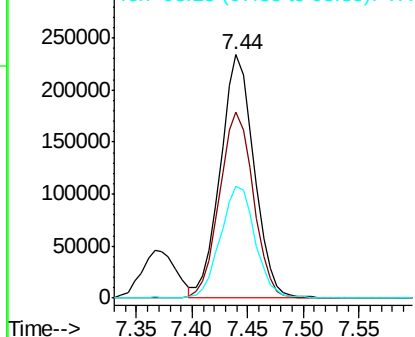


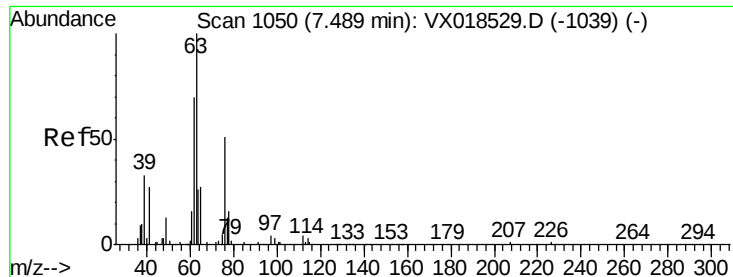
#35
 Methylcyclohexane
 Concen: 13.741 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion: 83 Resp: 489093
 Ion Ratio Lower Upper
 83 100
 55 77.0 65.7 98.5
 98 47.2 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

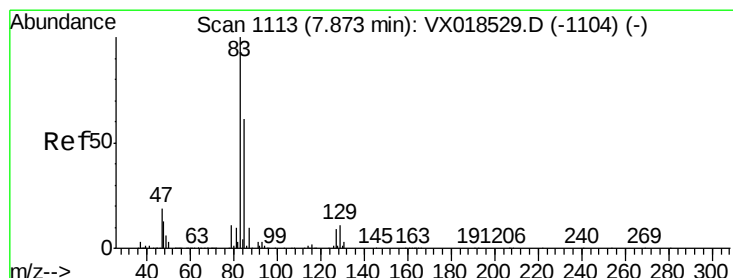
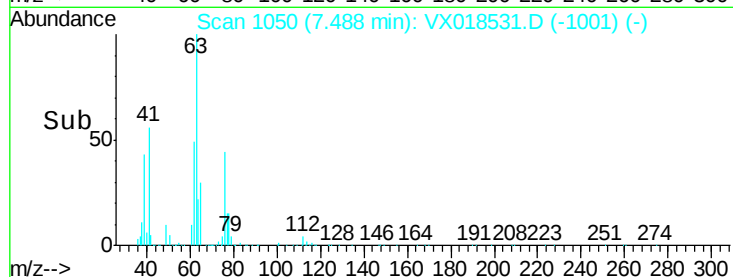
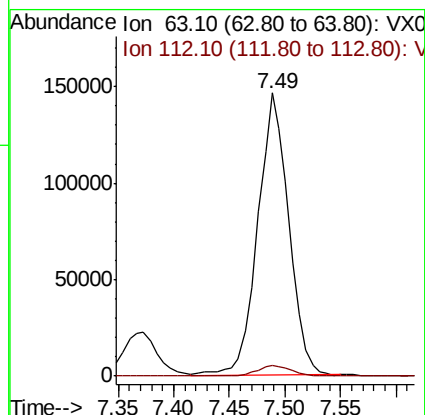
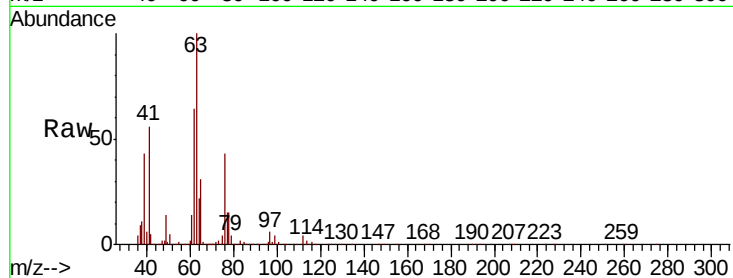




#37
 1,2-Dichloropropane
 Concen: 15.592 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

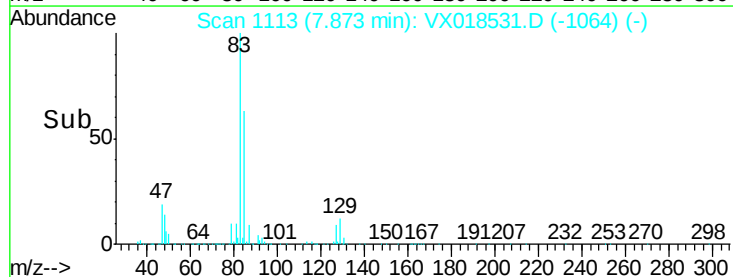
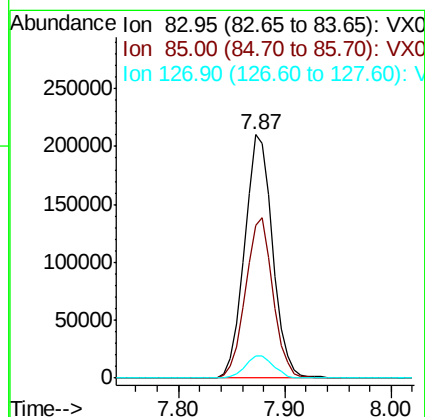
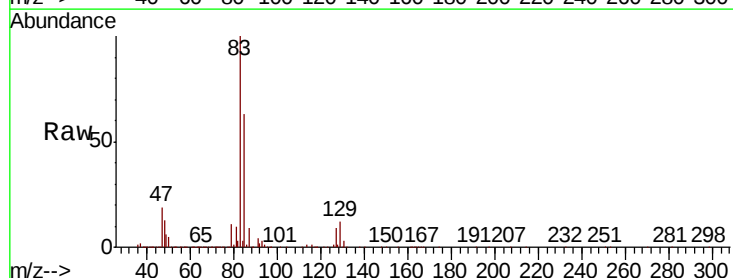
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

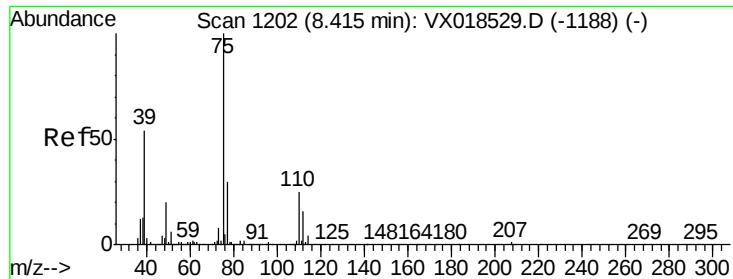
Tot Ion: 63 Resp: 284114
 Ion Ratio Lower Upper
 63 100
 112 4.3 4.1 6.1



#38
 Bromodichloromethane
 Concen: 15.052 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion: 83 Resp: 389098
 Ion Ratio Lower Upper
 83 100
 85 62.6 42.9 79.7
 127 9.3 7.2 10.8

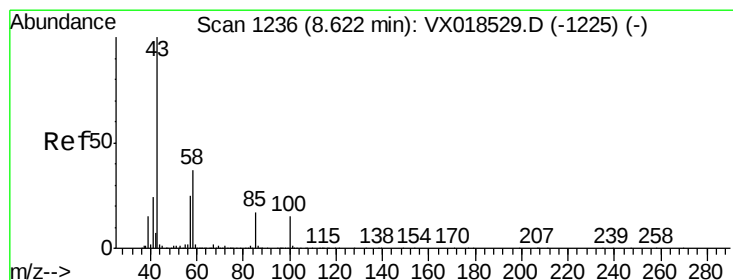
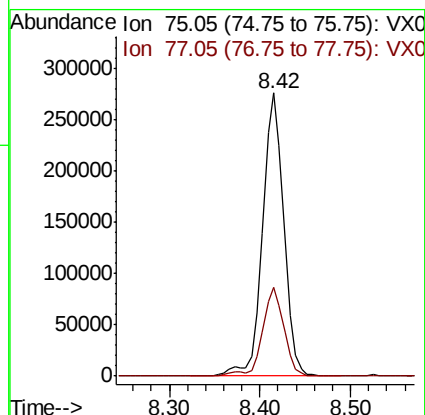
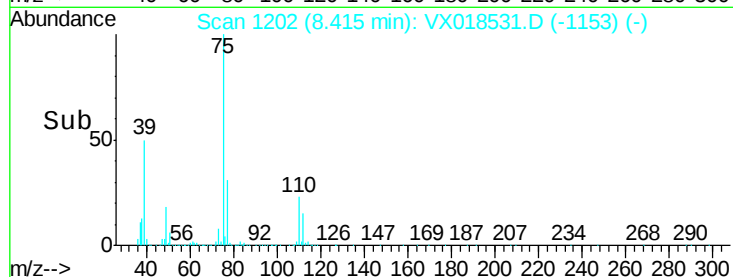
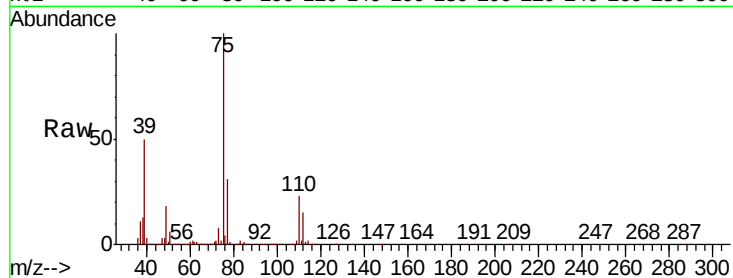




#39
 cis-1,3-Dichloropropene
 Concen: 15.710 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

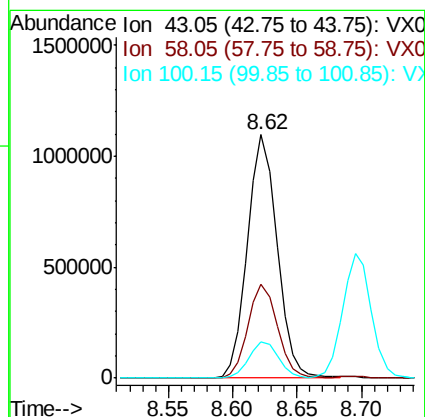
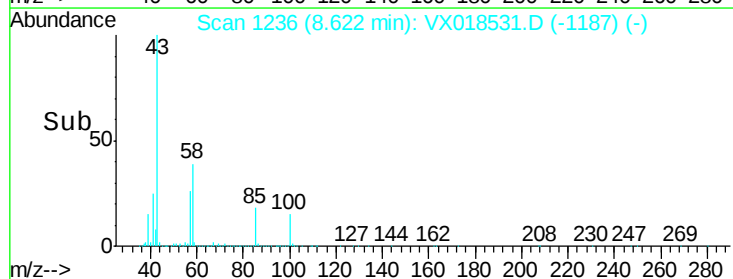
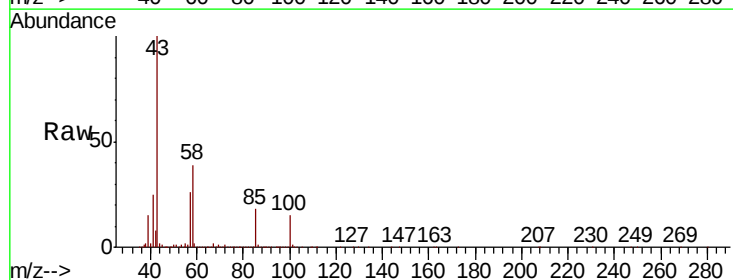
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

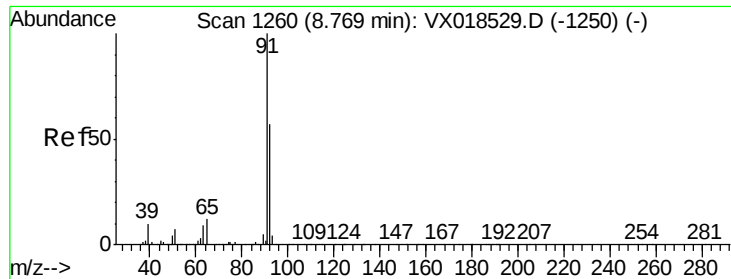
Tot Ion: 75 Resp: 446266
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 193.721 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion: 43 Resp: 1749624
 Ion Ratio Lower Upper
 43 100
 58 38.5 29.8 44.8
 100 15.0 11.5 17.3





#42

Toluene

Concen: 15.113 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

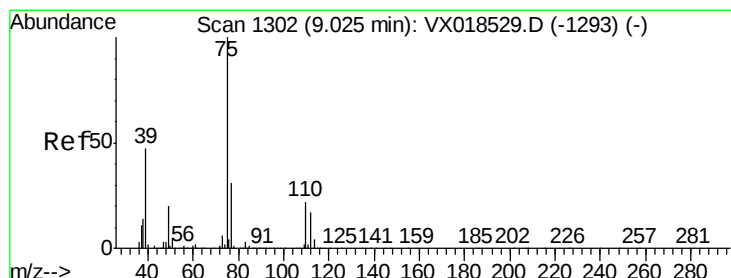
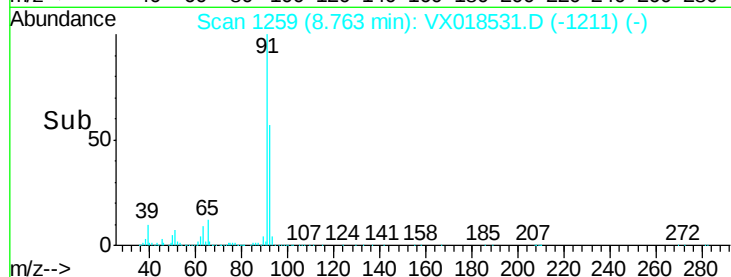
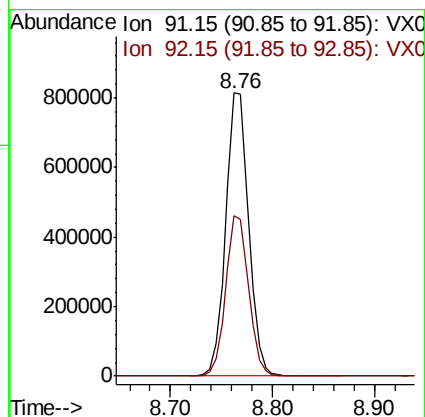
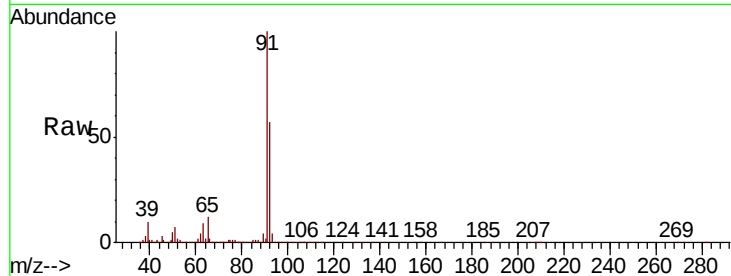
VSTD020305

Tot Ion: 91 Resp: 1264668

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 17.267 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX018531.D

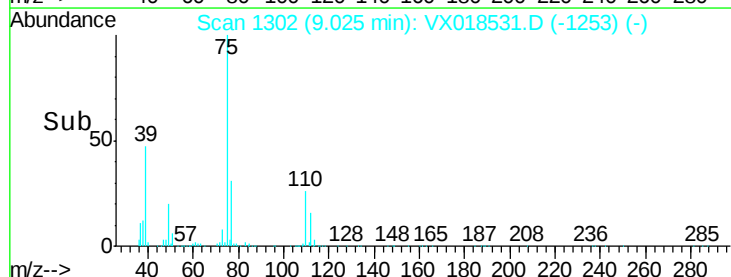
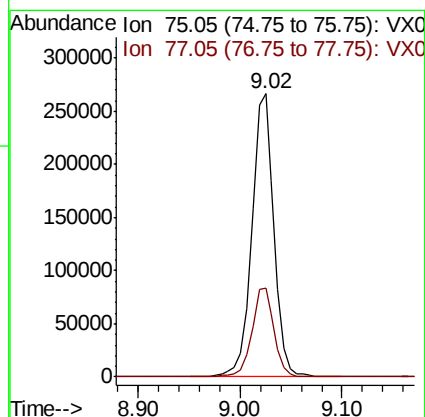
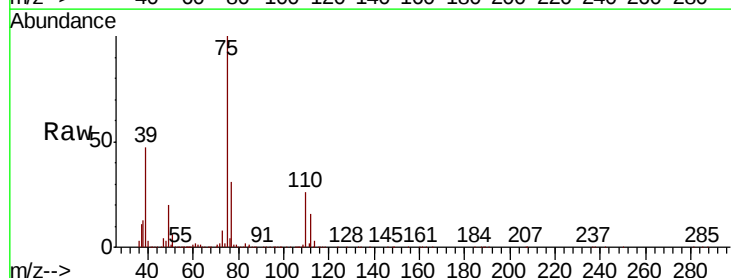
Acq: 22 Sep 2020 19:55

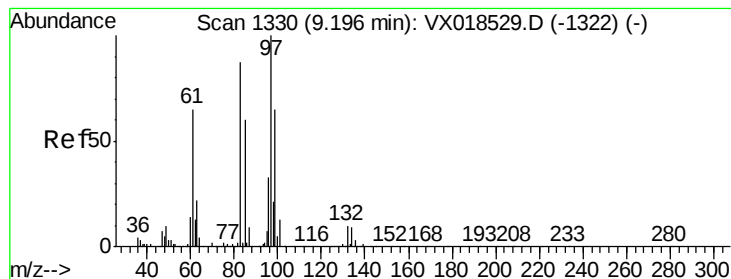
Tgt Ion: 75 Resp: 400881

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 14.990 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD020305

Tot Ion: 97 Resp: 202660

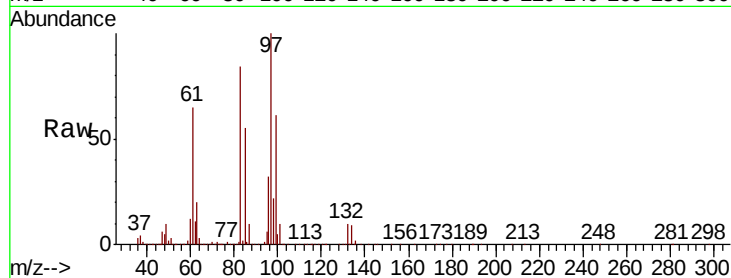
Ion Ratio Lower Upper

97 100

99 61.2 45.2 84.0

83 84.1 60.9 113.1

85 54.8 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

200000

150000

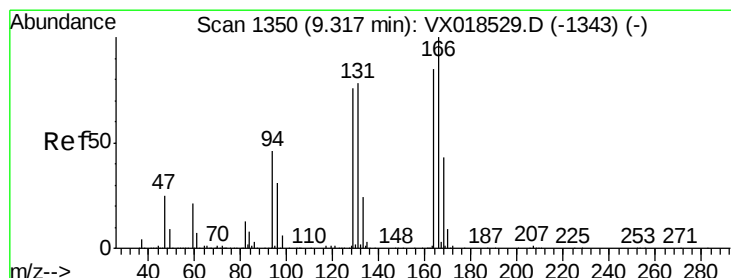
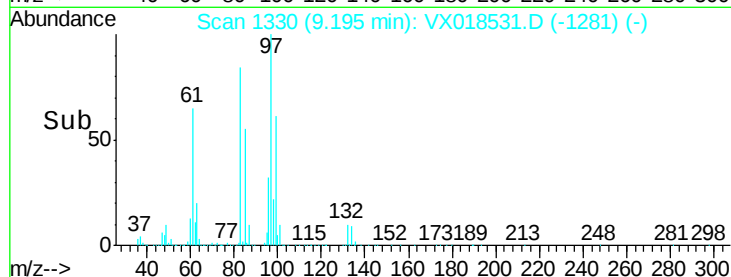
100000

50000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#47

Tetrachloroethene

Concen: 14.611 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Tgt Ion: 164 Resp: 254174

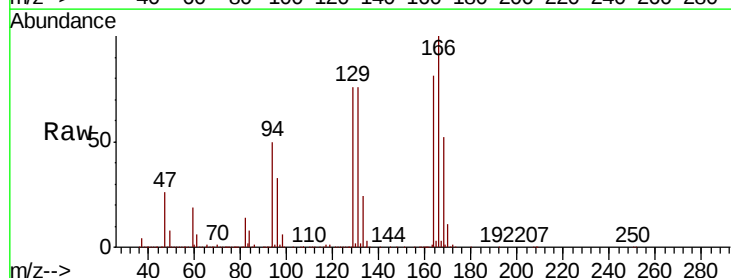
Ion Ratio Lower Upper

164 100

129 93.0 62.3 115.7

131 94.0 64.5 119.7

166 123.0 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

300000

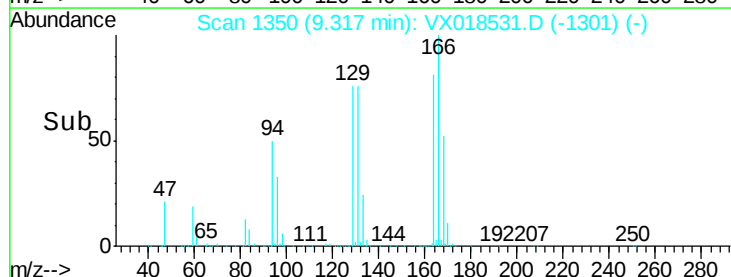
200000

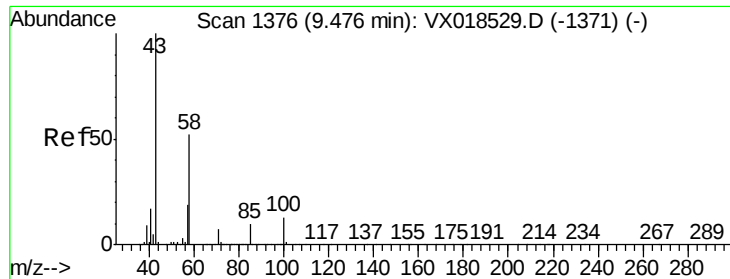
100000

0

9.20 9.30 9.40

Time-->



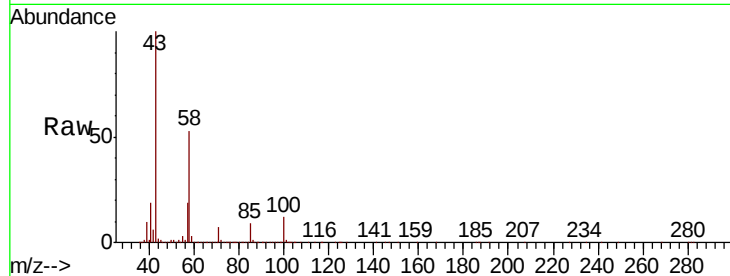


#48
2-Hexanone
Concen: 197.805 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

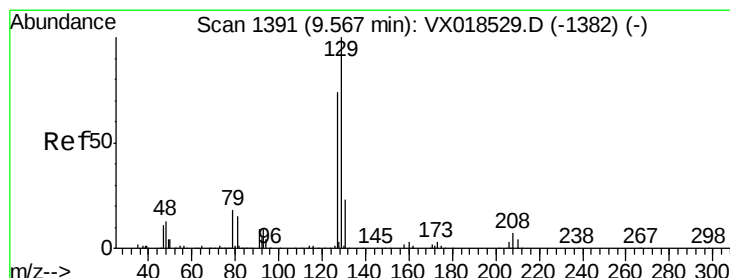
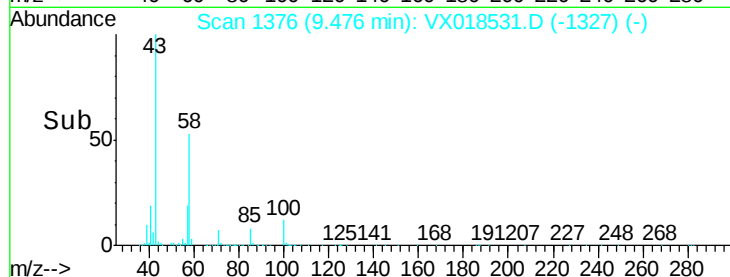
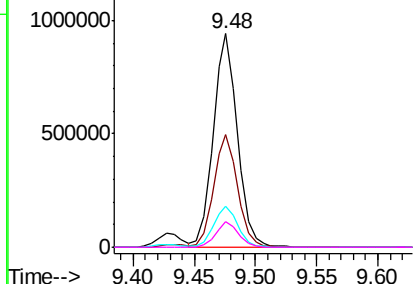
Instrument :
MSVOA_X
ClientSampleId :
VSTD020305

Tot Ion: 43 Resp: 1292703

Ion	Ratio	Lower	Upper
43	100		
58	52.6	41.5	62.3
57	19.2	15.4	23.0
100	11.5	9.4	14.0



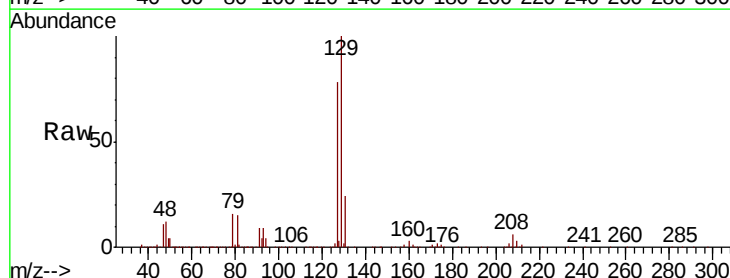
Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V



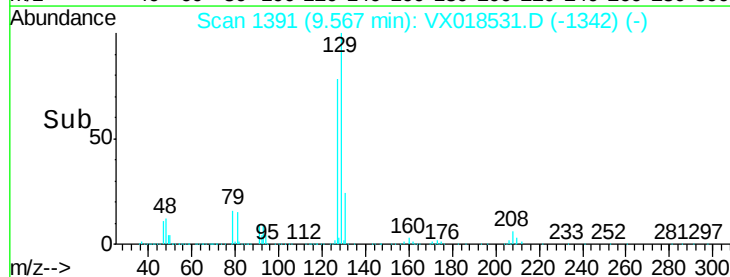
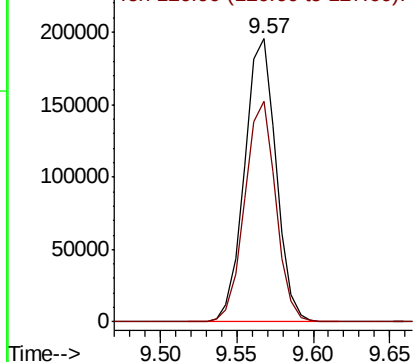
#49
Dibromochloromethane
Concen: 16.015 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

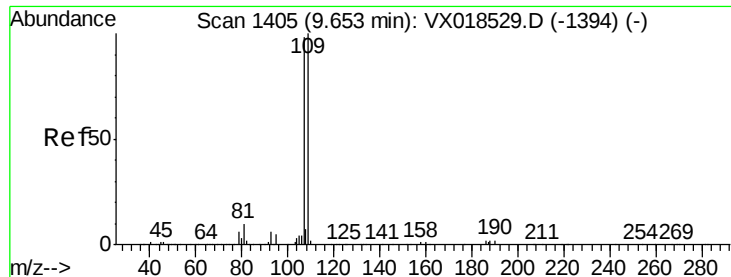
Tgt Ion: 129 Resp: 280566

Ion	Ratio	Lower	Upper
129	100		
127	77.8	51.6	95.8



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

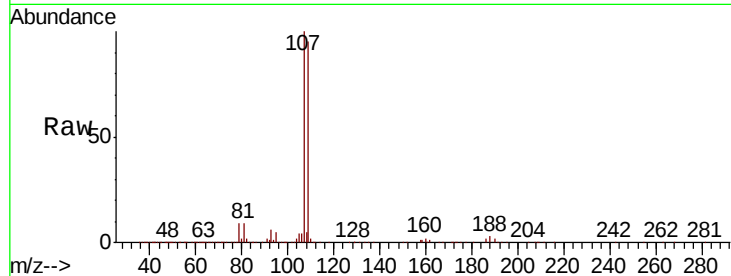




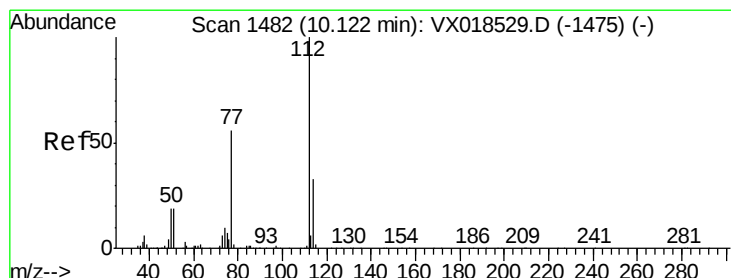
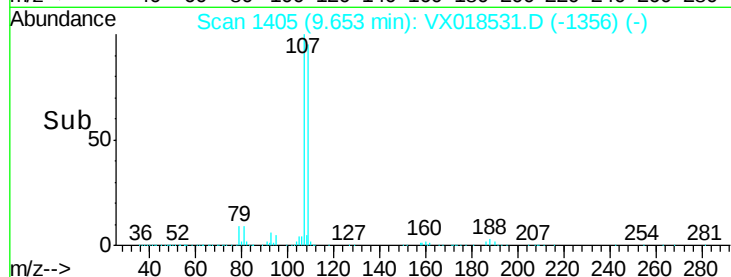
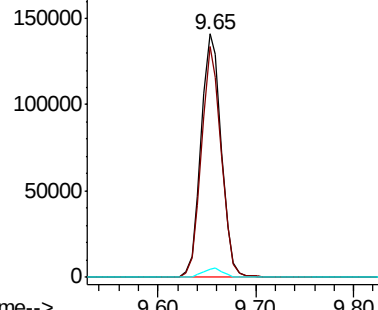
#50
 1,2-Dibromoethane
 Concen: 15.719 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

Tot Ion:107 Resp: 203471
 Ion Ratio Lower Upper
 107 100
 109 94.7 71.2 132.2
 188 3.1 1.9 2.9#

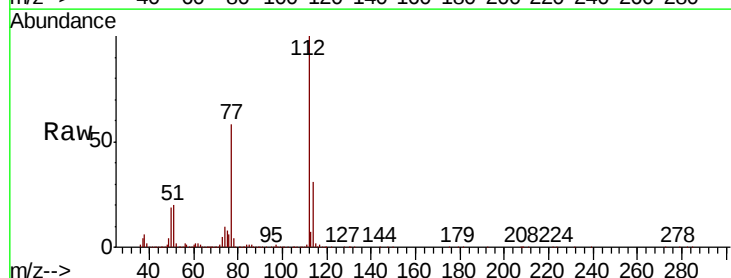


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

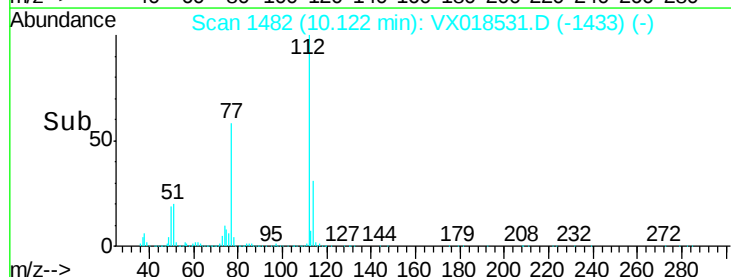
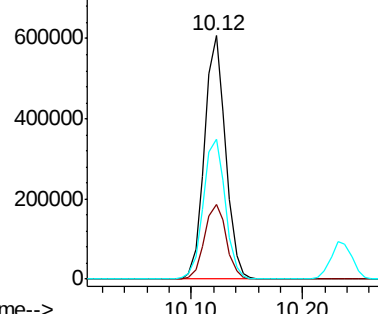


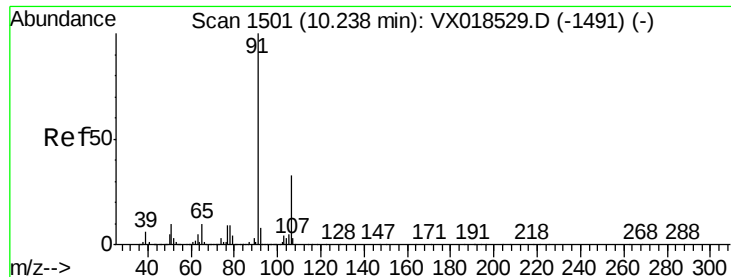
#51
 Chlorobenzene
 Concen: 14.286 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion:112 Resp: 794377
 Ion Ratio Lower Upper
 112 100
 114 30.8 23.1 42.9
 77 57.5 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: 14.585 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

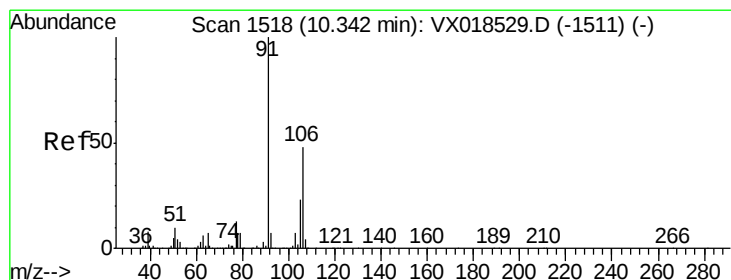
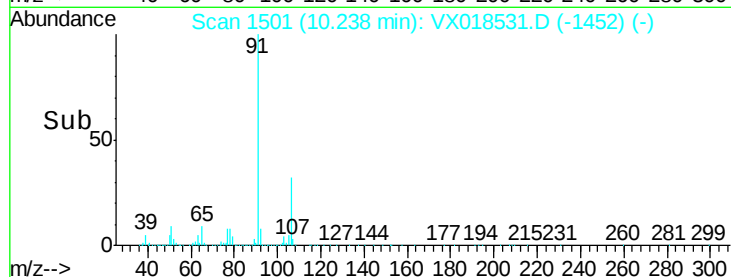
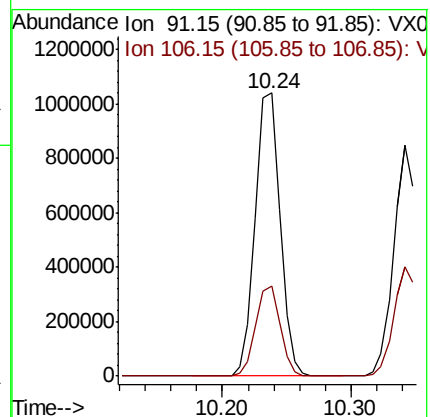
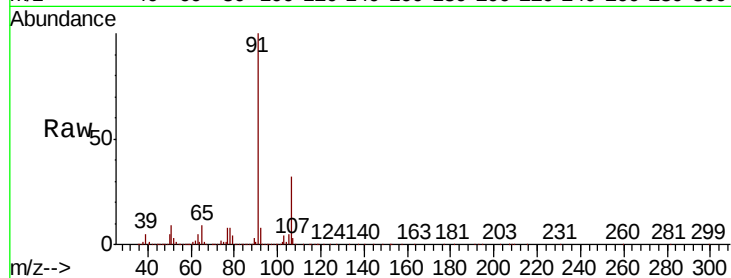
VSTD020305

Tot Ion: 91 Resp: 1383174

Ion Ratio Lower Upper

91 100

106 31.8 23.3 43.3



#53

m,p-xylene

Concen: 14.731 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018531.D

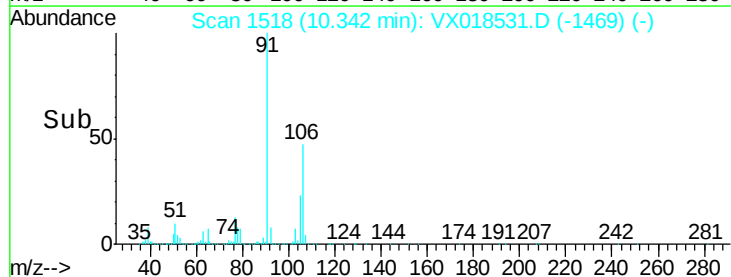
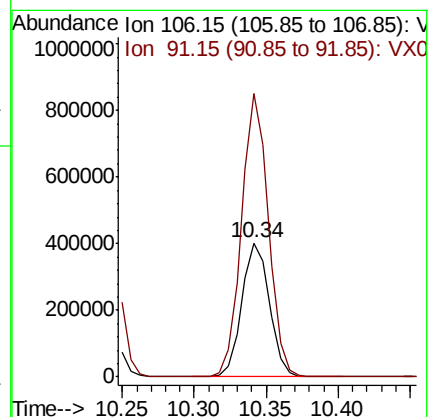
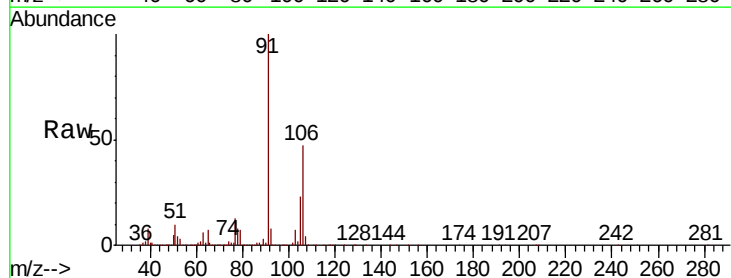
Acq: 22 Sep 2020 19:55

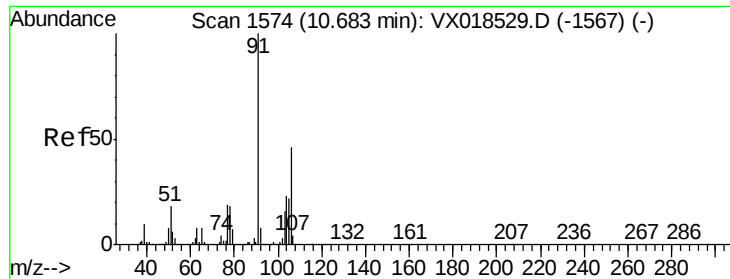
Tgt Ion: 106 Resp: 535426

Ion Ratio Lower Upper

106 100

91 211.3 146.8 272.6





#54

o-xylene

Concen: 14.829 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

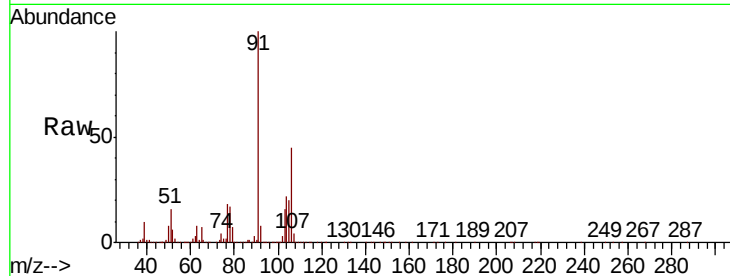
VSTD020305

Tot Ion:106 Resp: 516192

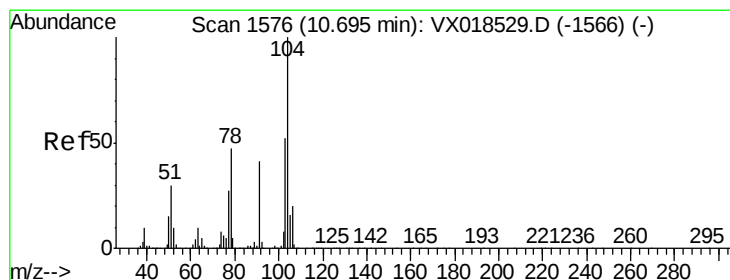
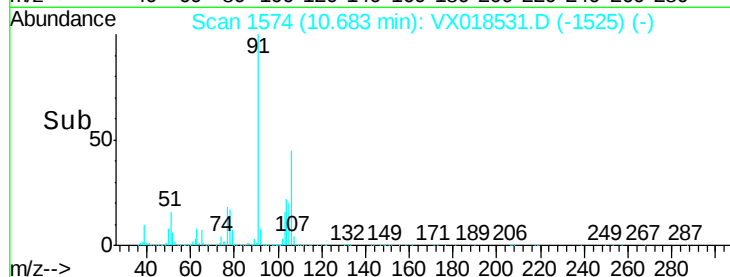
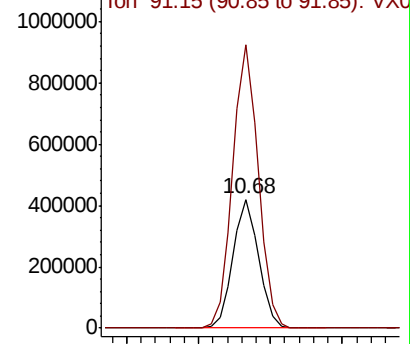
Ion Ratio Lower Upper

106 100

91 219.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 15.244 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX018531.D

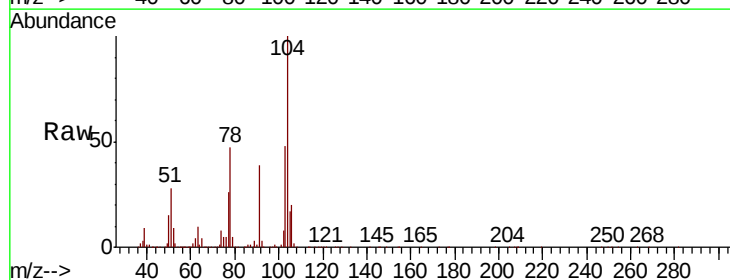
Acq: 22 Sep 2020 19:55

Tgt Ion:104 Resp: 879571

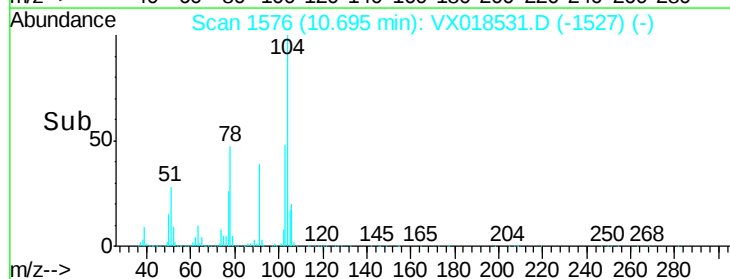
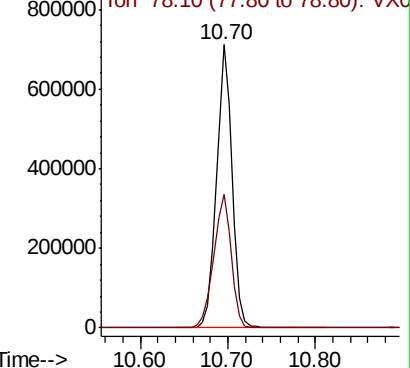
Ion Ratio Lower Upper

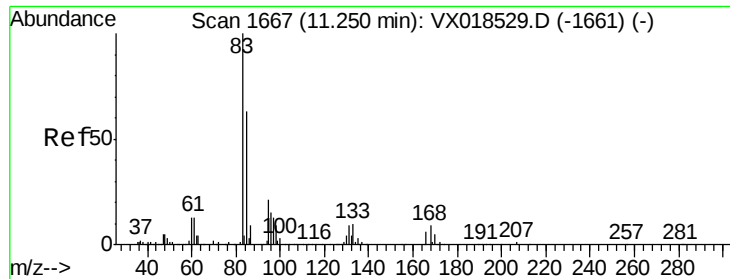
104 100

78 47.3 33.0 61.2



Abundance Ion 104.10 (103.80 to 104.80): V





#57

1,1,2,2-Tetrachloroethane

Concen: 15.803 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD020305

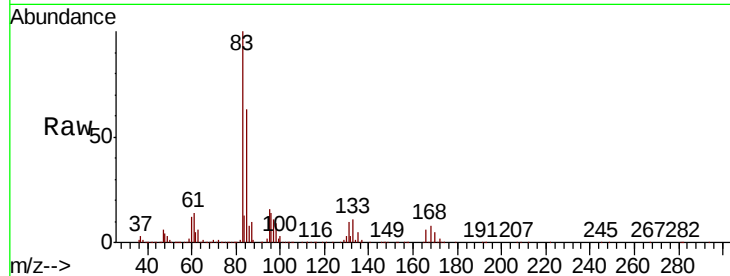
Tot Ion: 83 Resp: 241950

Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.4

131 10.4 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VX018531.D (-1618) (-)

Ion 85.00 (84.70 to 85.70): VX018531.D (-1618) (-)

Ion 130.95 (130.65 to 131.65): VX018531.D (-1618) (-)

11.25

250000

200000

150000

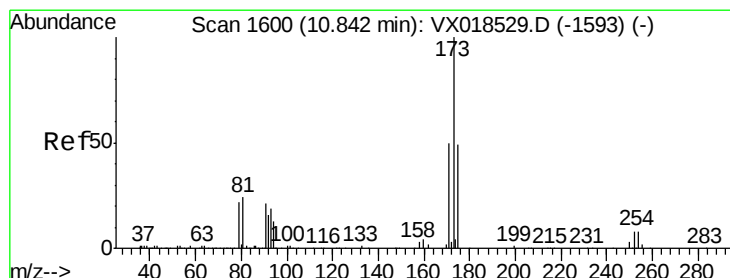
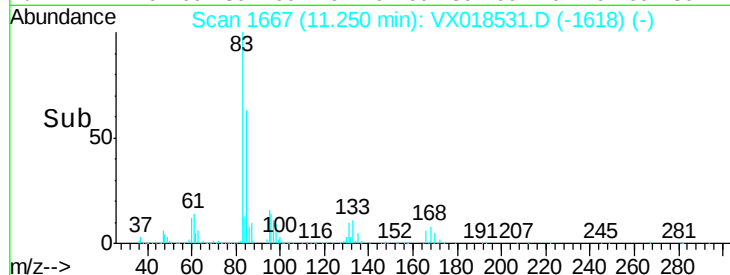
100000

50000

0

11.20 11.30

Time-->



#59

Bromoform

Concen: 17.956 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

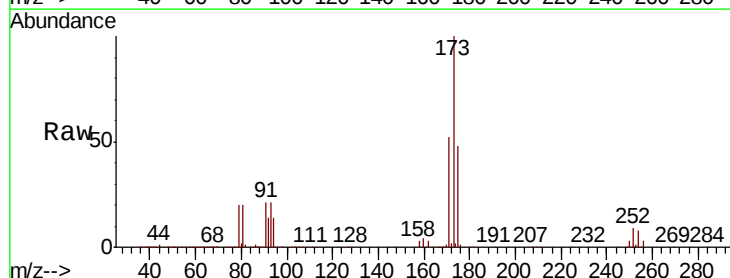
Tgt Ion: 173 Resp: 164527

Ion Ratio Lower Upper

173 100

175 47.7 39.8 59.8

254 8.2 7.5 11.3



Abundance Ion 172.90 (172.60 to 173.60): VX018531.D (-1551) (-)

Ion 174.90 (174.60 to 175.60): VX018531.D (-1551) (-)

Ion 253.75 (253.45 to 254.45): VX018531.D (-1551) (-)

10.84

150000

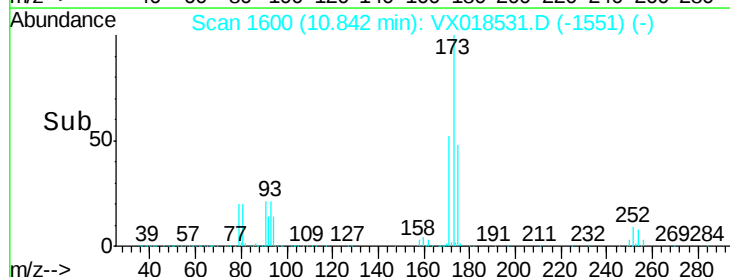
100000

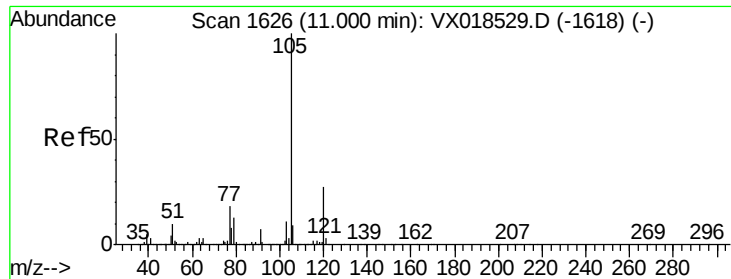
50000

0

10.80 10.90

Time-->





#60

Isopropylbenzene

Concen: 14.738 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD020305

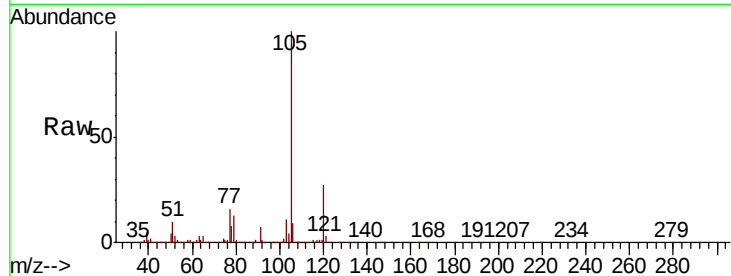
Tot Ion:105 Resp: 1408660

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

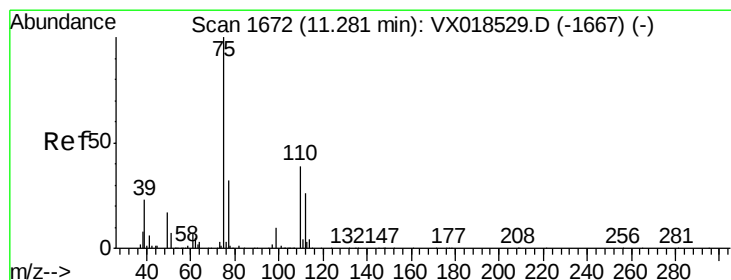
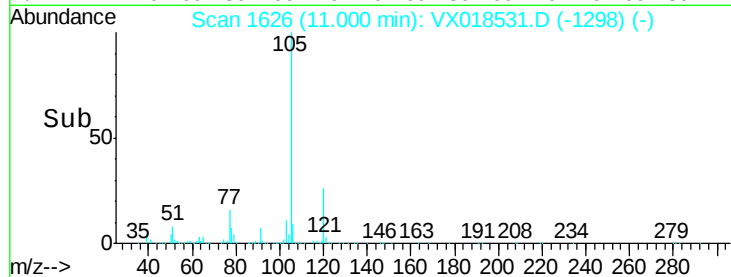
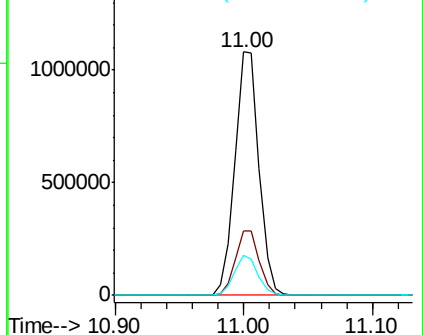
77 16.0 13.1 19.7



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: 15.781 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

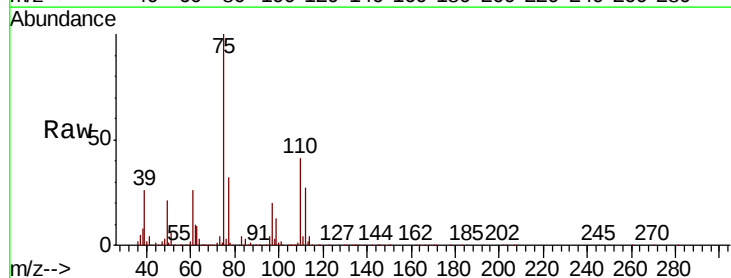
Tgt Ion: 75 Resp: 177181

Ion Ratio Lower Upper

75 100

77 33.1 27.1 40.7

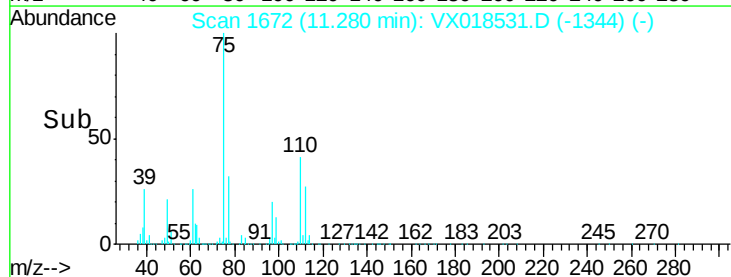
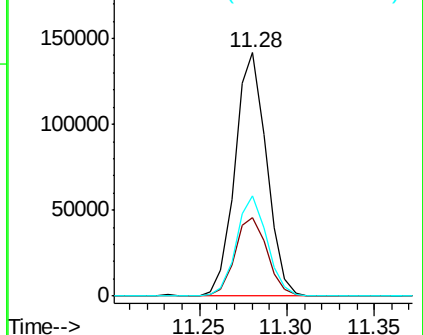
110 40.6 32.4 48.6

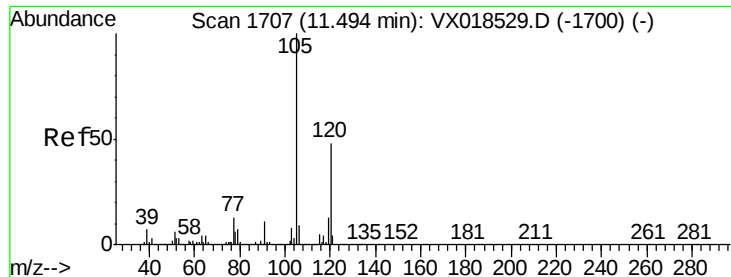


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 15.338 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018531.D

Acq: 22 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampled :

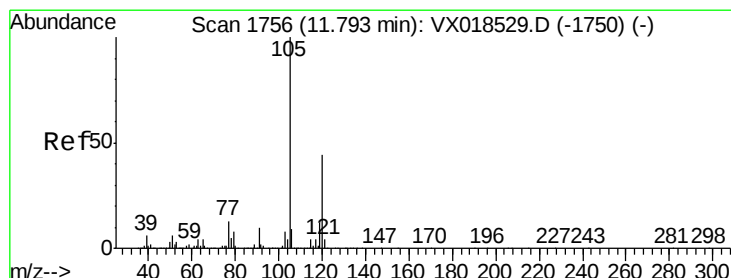
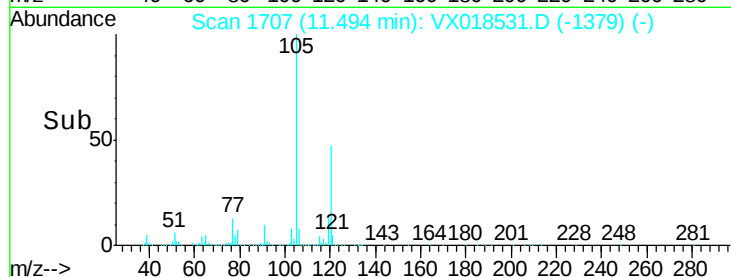
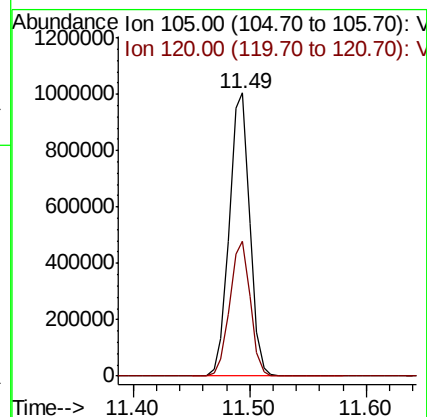
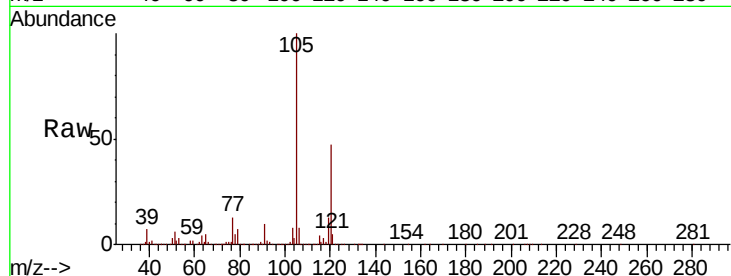
VSTD020305

Tot Ion:105 Resp: 1214935

Ion Ratio Lower Upper

105 100

120 47.7 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 15.775 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018531.D

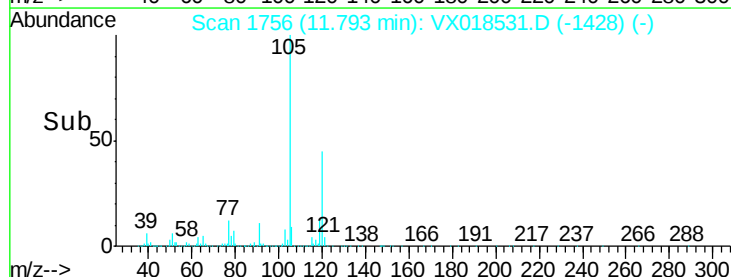
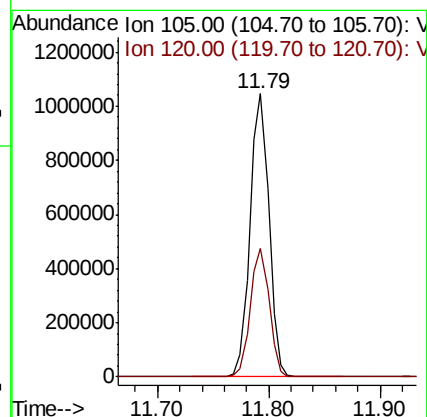
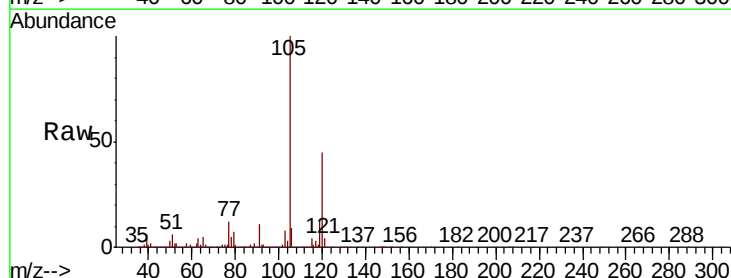
Acq: 22 Sep 2020 19:55

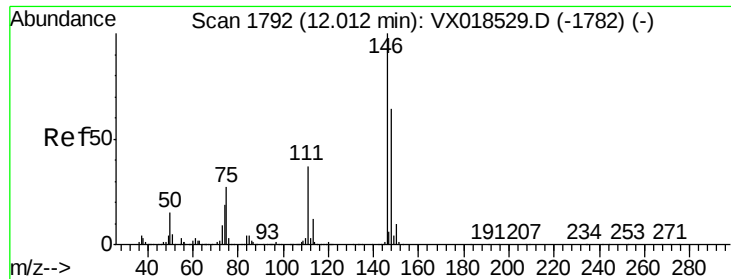
Tgt Ion:105 Resp: 1230657

Ion Ratio Lower Upper

105 100

120 45.6 36.2 54.2

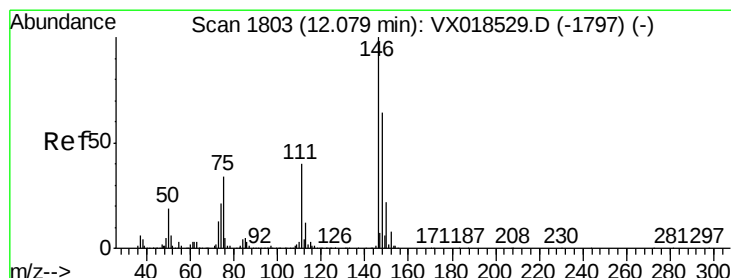
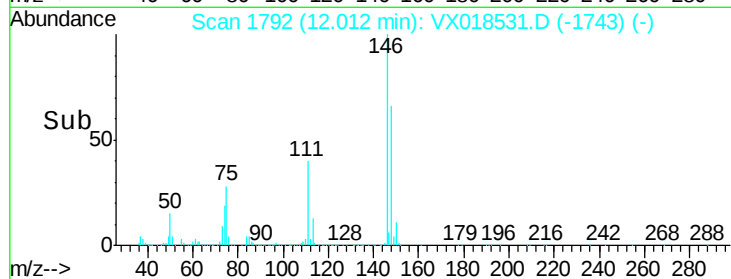
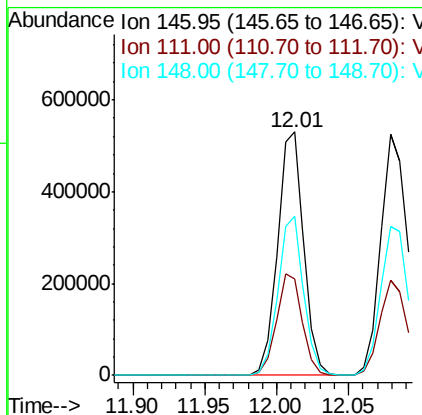
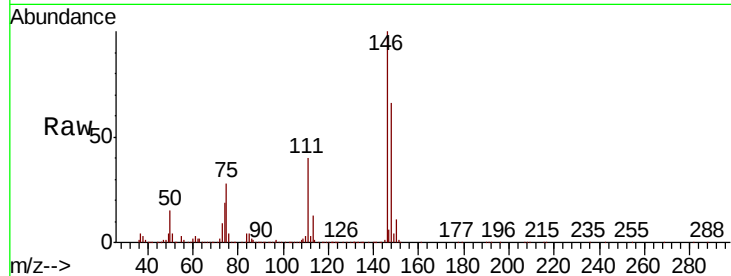




#64
 1,3-Dichlorobenzene
 Concen: 14.786 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

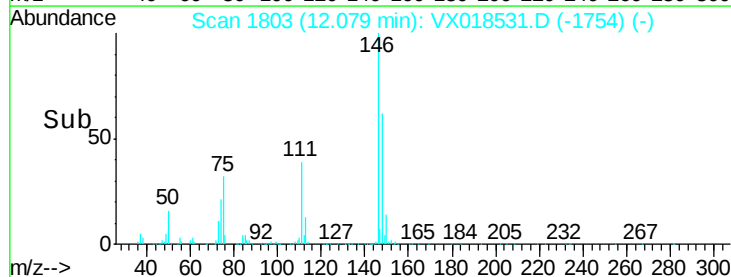
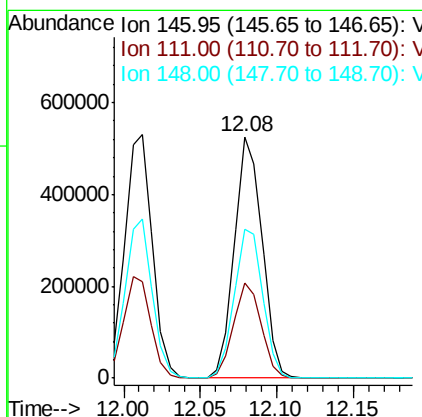
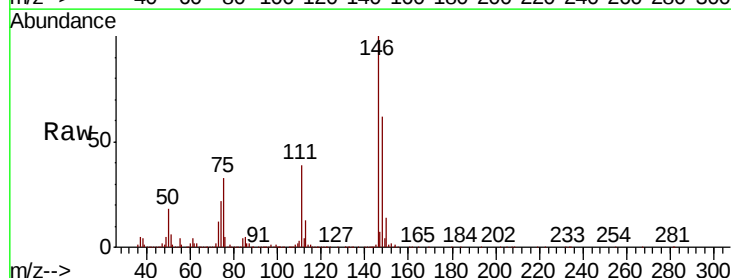
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

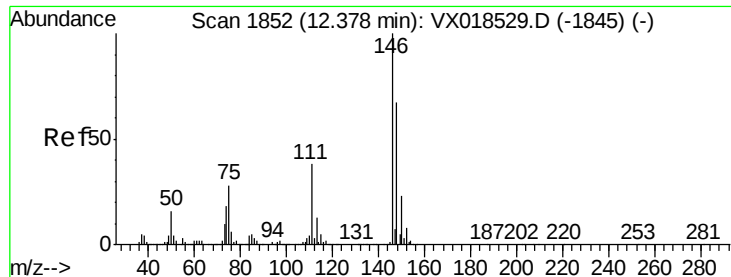
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	25.7	47.7
148	65.6	44.9	83.3



#65
 1,4-Dichlorobenzene
 Concen: 14.846 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.9	51.9
148	61.9	45.0	83.6

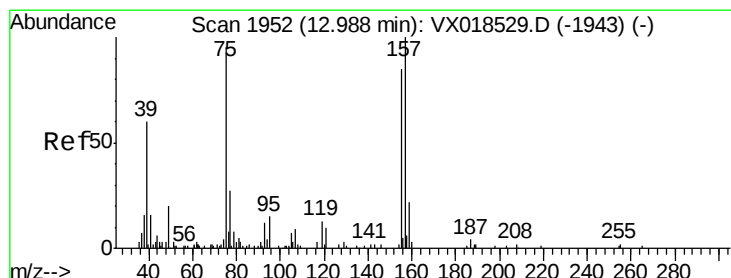
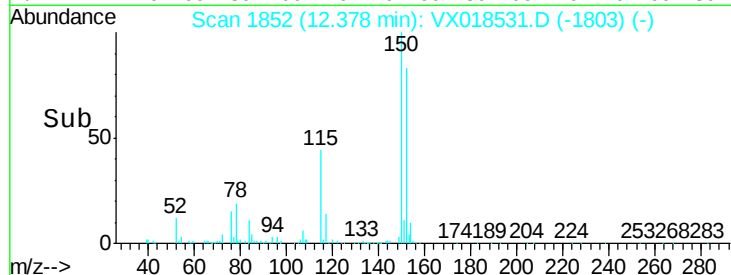
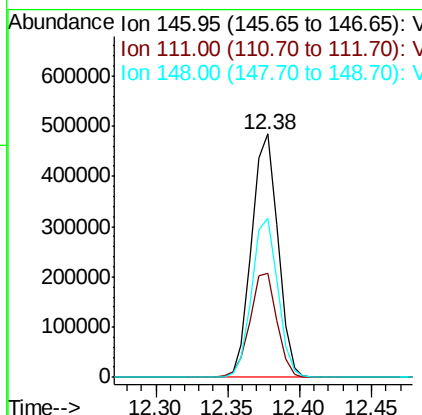
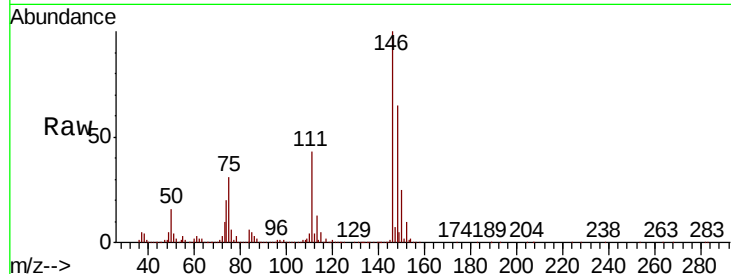




#67
 1,2-Dichlorobenzene
 Concen: 15.152 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

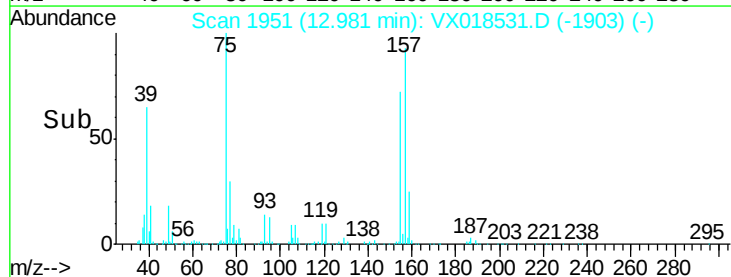
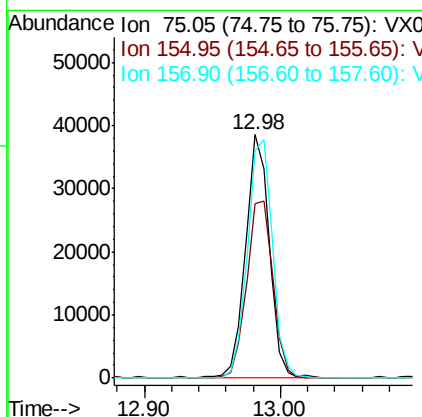
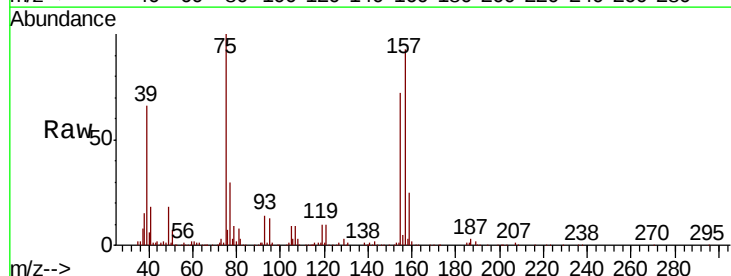
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

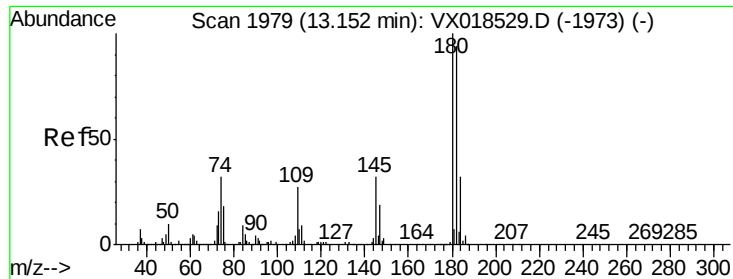
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	30.6	45.8
148	65.1	53.5	80.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 17.379 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	71.1	106.7
157	93.1	83.5	125.3

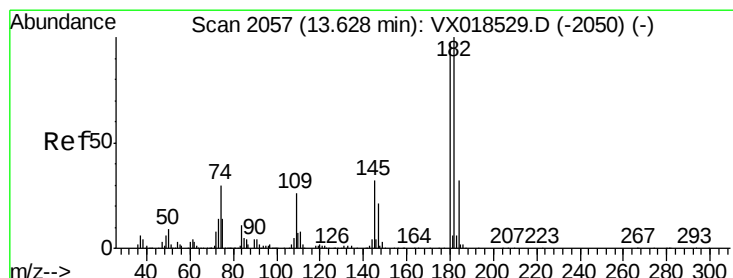
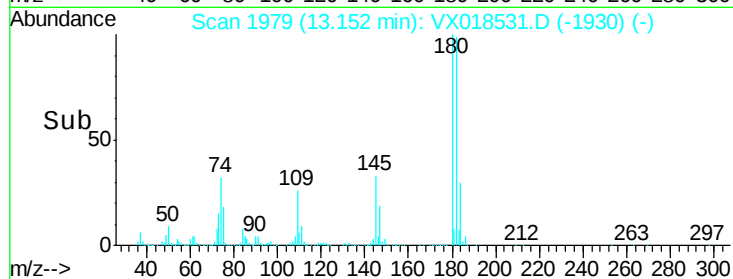
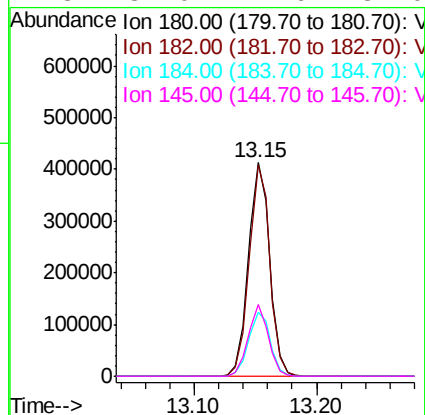
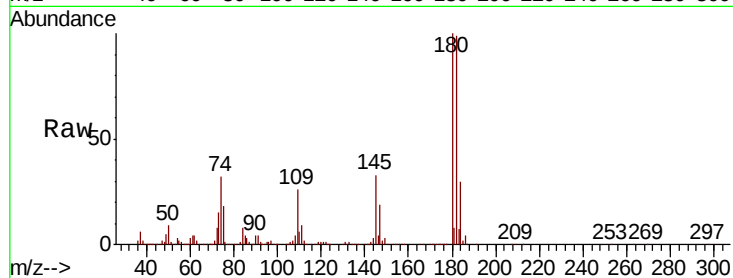




#69
 1,3,5-Trichlorobenzene
 Concen: 14.928 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

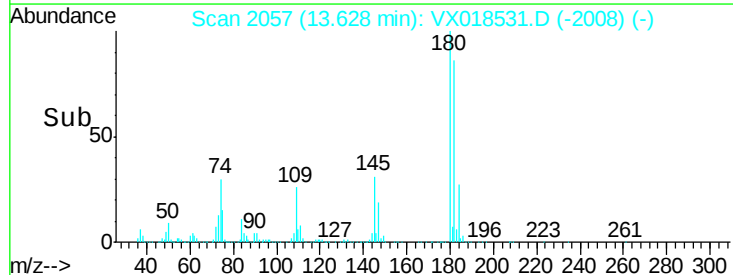
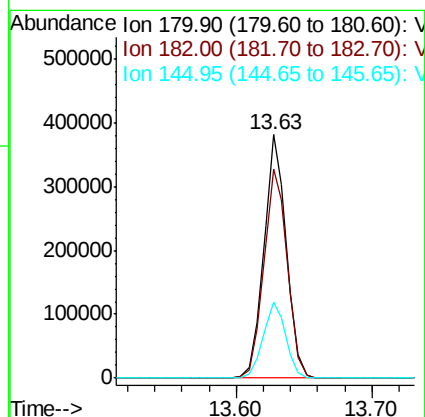
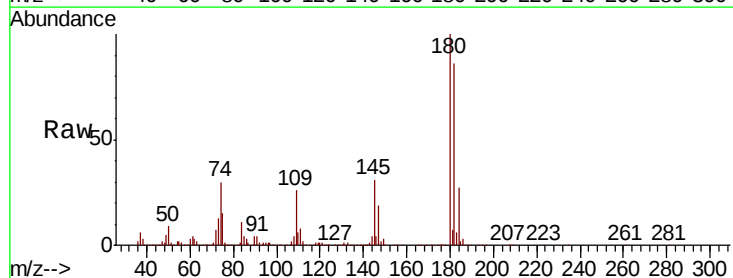
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD020305

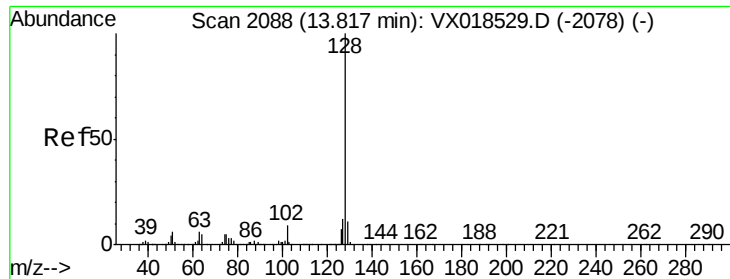
Tot Ion:	180	Resp:	496759
Ion	Ratio	Lower	Upper
180	100		
182	96.3	74.3	111.5
184	30.6	24.6	37.0
145	32.0	24.6	37.0



#70
 1,2,4-trichlorobenzene
 Concen: 15.938 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018531.D
 Acq: 22 Sep 2020 19:55

Tgt Ion:	180	Resp:	441805
Ion	Ratio	Lower	Upper
180	100		
182	90.1	74.7	112.1
145	31.6	26.6	39.8

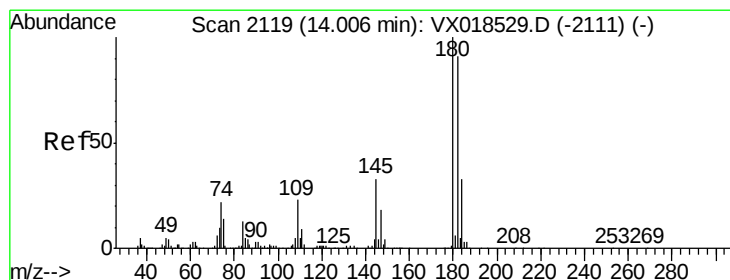
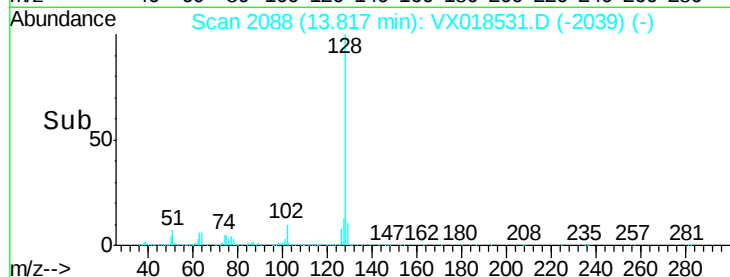
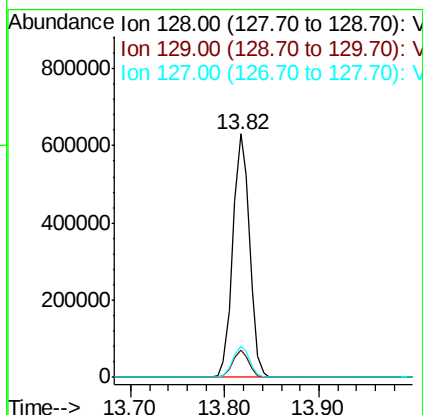
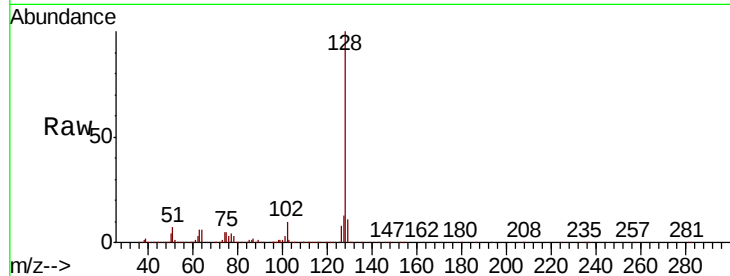




#71
Naphthalene
Concen: 16.557 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

Instrument :
MSVOA_X
ClientSampleId :
VSTD020305

Tot Ion:128 Resp: 778171
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.1 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 15.619 ug/L
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX018531.D
Acq: 22 Sep 2020 19:55

Tgt Ion:180 Resp: 381815
Ion Ratio Lower Upper
180 100
182 97.1 76.9 115.3
145 34.8 27.6 41.4

