

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX110120\
 Data File : VX019202.D
 Acq On : 30 Oct 2020 15:40
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005312

Quant Time: Oct 30 16:08:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	226531	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	206401	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	98522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56454	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.70	69	49119	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.34	63	118148	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	4.55	46	140442	43.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.70%
24) Chloroform-d	5.14	84	116193	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	6.03	65	62595	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
32) Benzene-d6	6.04	84	230955	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	7.36	67	67423	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	8.69	98	219403	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.99	79	28212	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	9.43	63	130344	43.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.78%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	51361	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
66) 1,2-Dichlorobenzene-d4	12.36	152	77724	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	79700	4.255	ug/L 100
3) Chloromethane	1.31	50	71497	4.424	ug/L 100
5) Vinyl chloride	1.39	62	78754	4.327	ug/L 99
6) Bromomethane	1.64	94	48870	4.167	ug/L 98
8) Chloroethane	1.72	64	47702	4.323	ug/L 99
9) Trichlorofluoromethane	1.92	101	114636	4.362	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	65536	4.388	ug/L 99
12) 1,1-Dichloroethene	2.36	96	63406	4.365	ug/L 96
13) Acetone	2.45	43	78706	43.099	ug/L 97
14) Carbon disulfide	2.55	76	187933	4.171	ug/L 99
15) Methyl Acetate	2.76	43	22146	4.545	ug/L 100
16) Methylene chloride	2.83	84	67516	3.898	ug/L 95
17) Methyl tert-butyl Ether	3.17	73	149096	4.287	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	66161	4.329	ug/L 98
19) 1,1-Dichloroethane	3.67	63	112548	4.302	ug/L 99
21) 2-Butanone	4.66	43	135993	42.403	ug/L 98
22) cis-1,2-Dichloroethene	4.56	96	69381	4.262	ug/L 94

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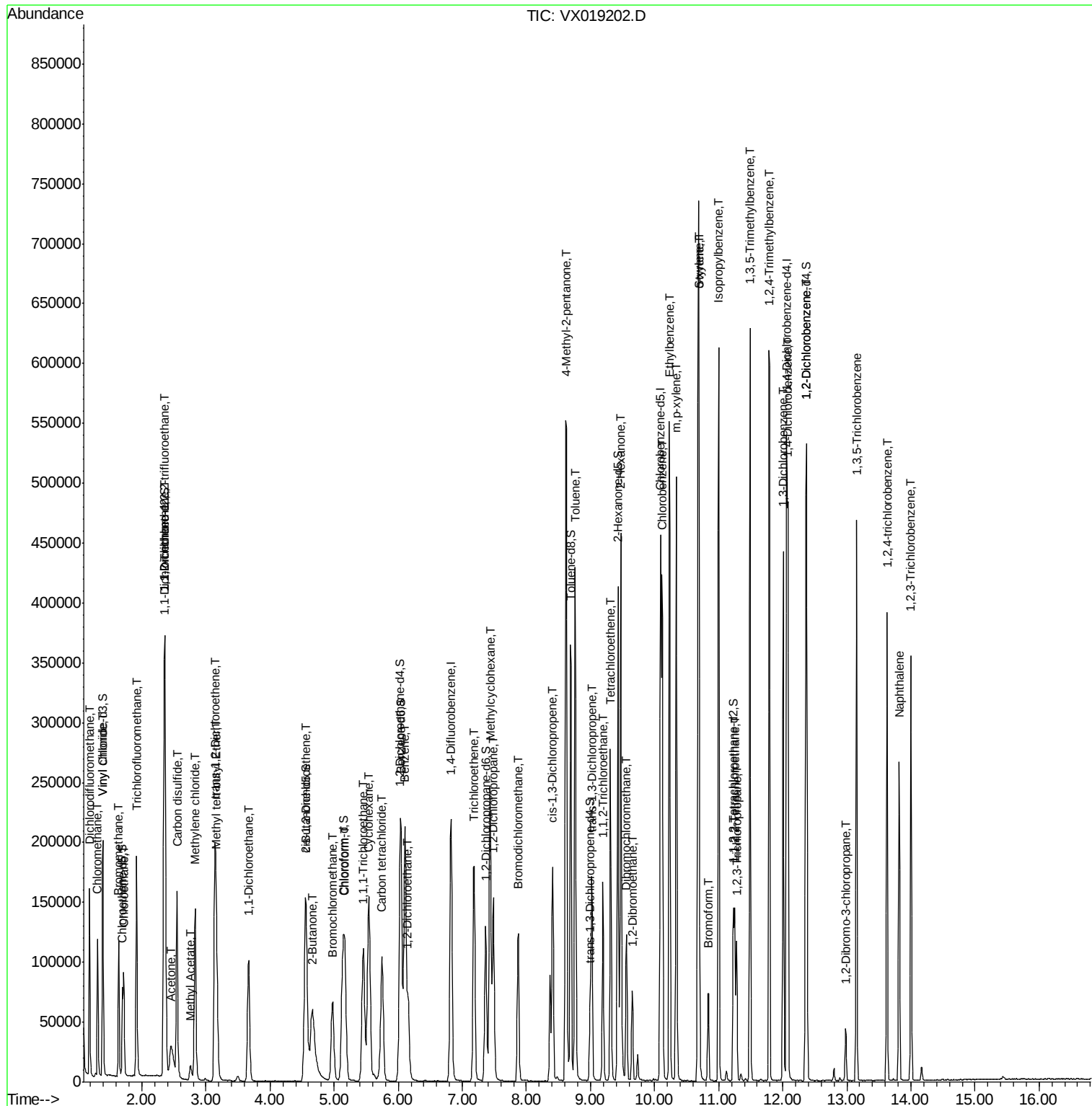
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	29103	4.300	ug/L	88
25) Chloroform	5.17	83	117603	4.323	ug/L	95
27) 1,2-Dichloroethane	6.15	62	74312	4.366	ug/L	100
29) 1,1,1-Trichloroethane	5.46	97	108670	4.265	ug/L	99
30) Cyclohexane	5.54	56	106197	4.180	ug/L	100
31) Carbon tetrachloride	5.74	117	92694	4.270	ug/L	100
33) Benzene	6.10	78	263396	4.284	ug/L	100
34) Trichloroethene	7.18	95	71084	4.228	ug/L	98
35) Methylcyclohexane	7.43	83	114680	4.218	ug/L	100
37) 1,2-Dichloropropane	7.48	63	62697	4.326	ug/L	100
38) Bromodichloromethane	7.87	83	81469	4.318	ug/L	99
39) cis-1,3-Dichloropropene	8.41	75	95807	4.304	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	336839	43.527	ug/L	99
42) Toluene	8.76	91	285514	4.299	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	80443	4.316	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	44634	4.221	ug/L	99
47) Tetrachloroethene	9.32	164	54417	4.240	ug/L	98
48) 2-Hexanone	9.47	43	239118	44.176	ug/L	98
49) Dibromochloromethane	9.56	129	51465	4.204	ug/L	97
50) 1,2-Dibromoethane	9.65	107	41879	4.269	ug/L	92
51) Chlorobenzene	10.12	112	178774	4.252	ug/L	97
52) Ethylbenzene	10.23	91	316222	4.256	ug/L	98
53) m,p-xylene	10.34	106	121041	4.246	ug/L	95
54) o-xylene	10.68	106	115770	4.239	ug/L	97
55) Styrene	10.70	104	195245	4.376	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.25	83	51130	4.242	ug/L	99
59) Bromoform	10.84	173	27062	4.184	ug/L	98
60) Isopropylbenzene	11.00	105	317833	4.392	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	39147	4.429	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	267147	4.409	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	273555	4.453	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	141431	4.399	ug/L	95
65) 1,4-Dichlorobenzene	12.08	146	137344	4.278	ug/L	99
67) 1,2-Dichlorobenzene	12.37	146	126056	4.265	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.98	75	8466	4.187	ug/L	98
69) 1,3,5-Trichlorobenzene	13.15	180	104949	4.447	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	88615	4.303	ug/L	98
71) Naphthalene	13.82	128	157862	4.262	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	78334	4.310	ug/L	99

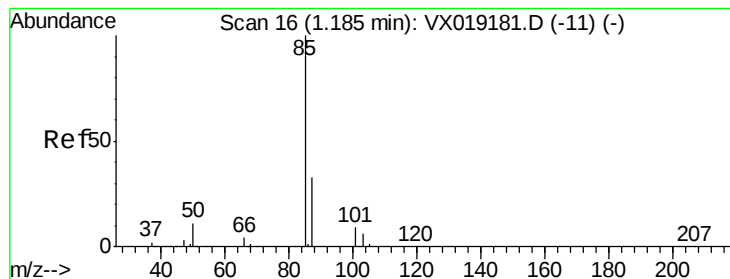
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.255 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

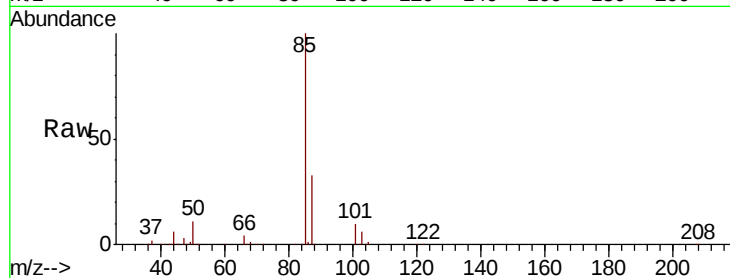
VSTD005312

Tot Ion: 85 Resp: 79700

Ion Ratio Lower Upper

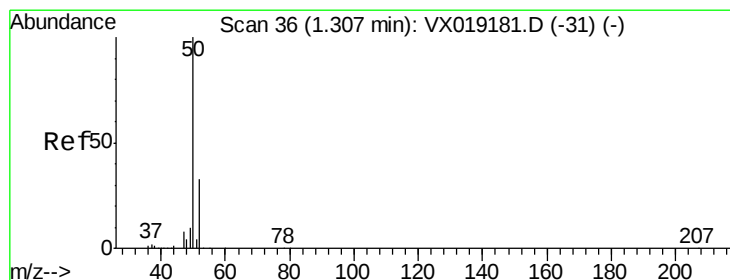
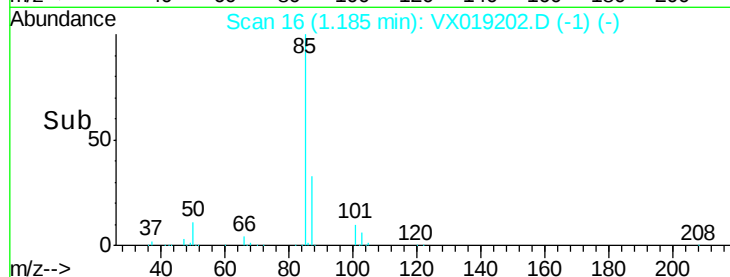
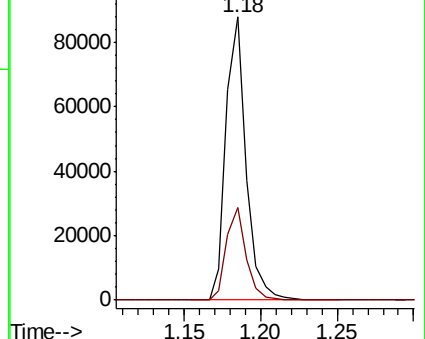
85 100

87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 4.424 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX019202.D

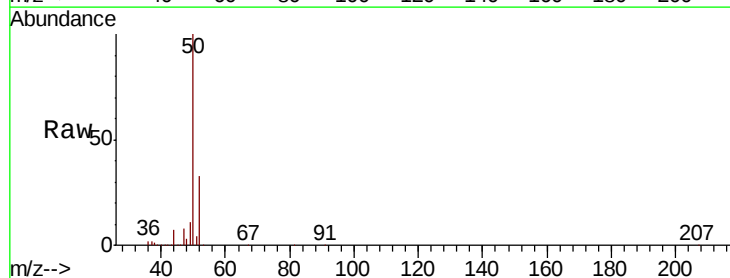
Acq: 30 Oct 2020 15:40

Tgt Ion: 50 Resp: 71497

Ion Ratio Lower Upper

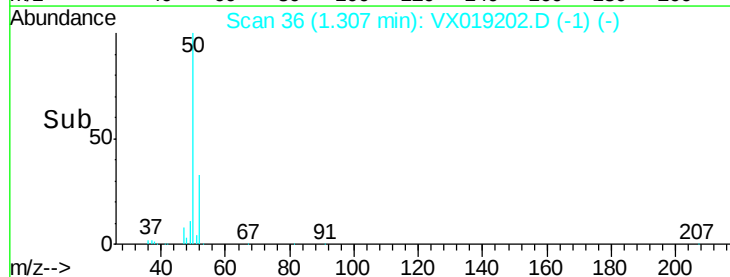
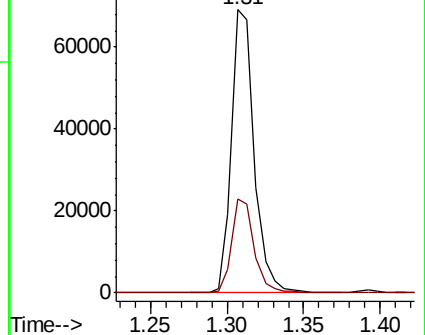
50 100

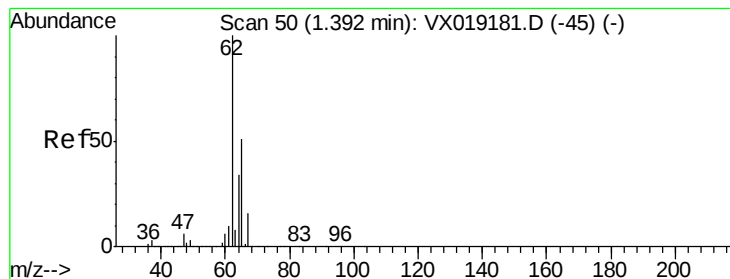
52 33.3 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 4.327 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

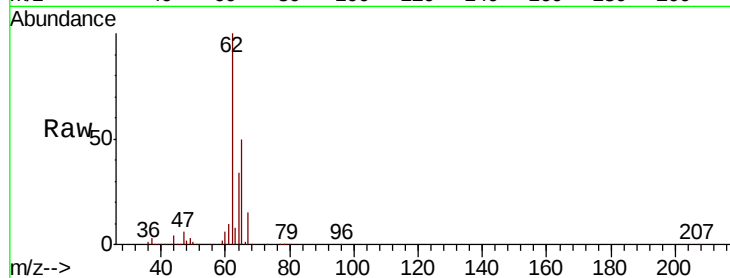
VSTD005312

Tot Ion: 62 Resp: 78754

Ion Ratio Lower Upper

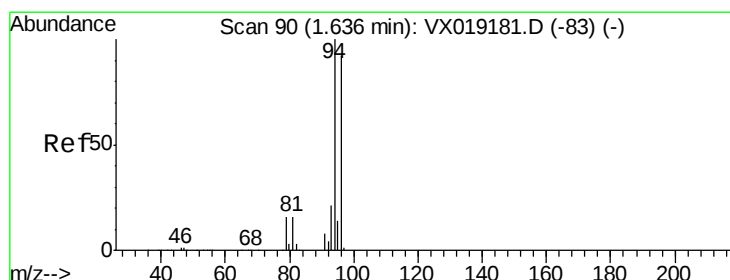
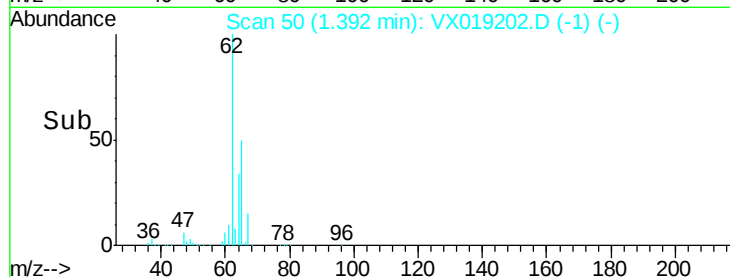
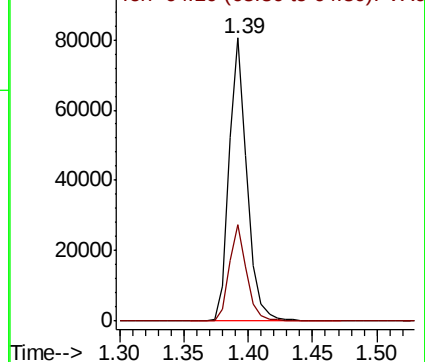
62 100

64 34.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 4.167 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019202.D

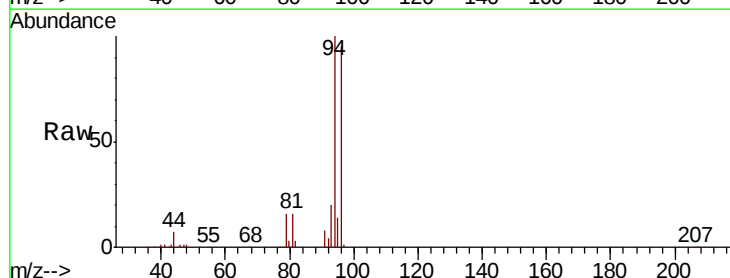
Acq: 30 Oct 2020 15:40

Tgt Ion: 94 Resp: 48870

Ion Ratio Lower Upper

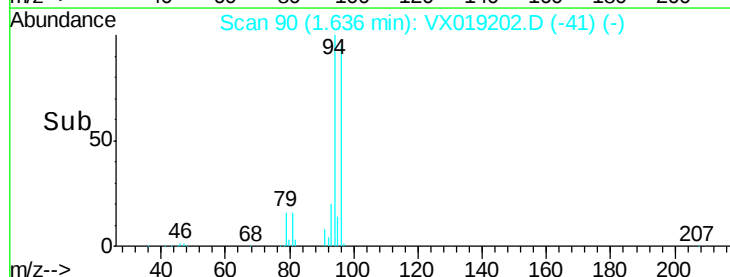
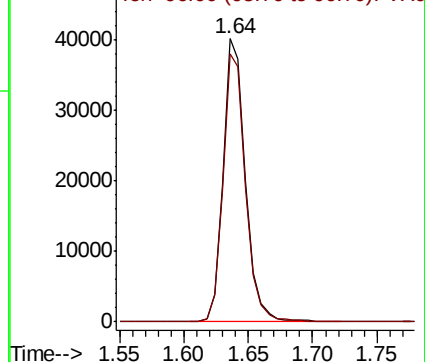
94 100

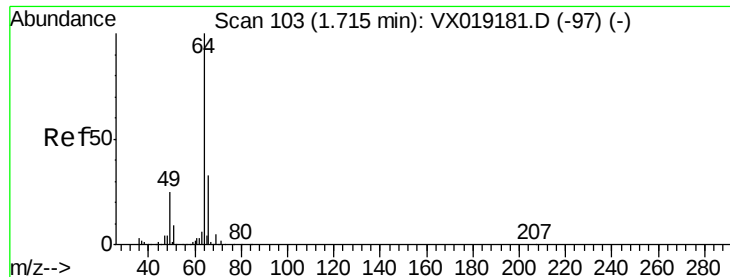
96 94.7 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

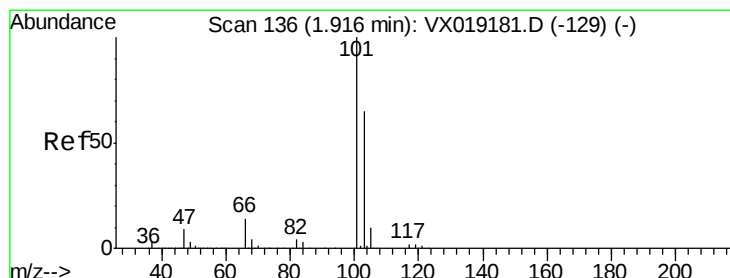
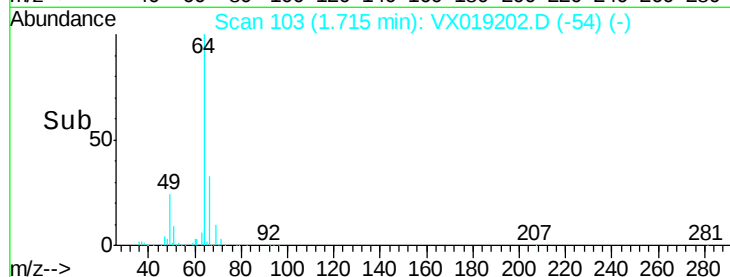
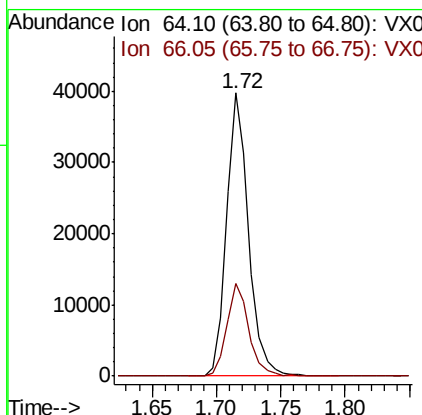
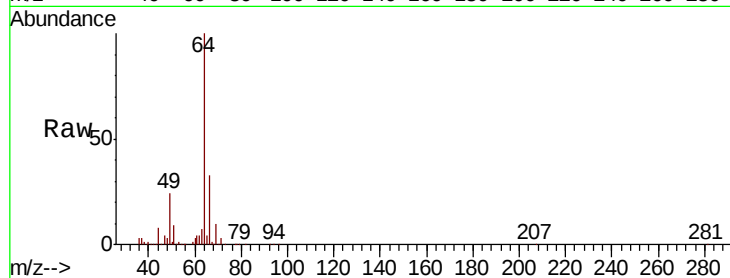




#8
Chloroethane
Concen: 4.323 ug/L
RT: 1.72 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

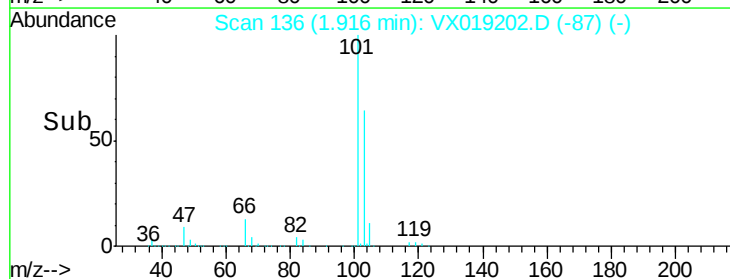
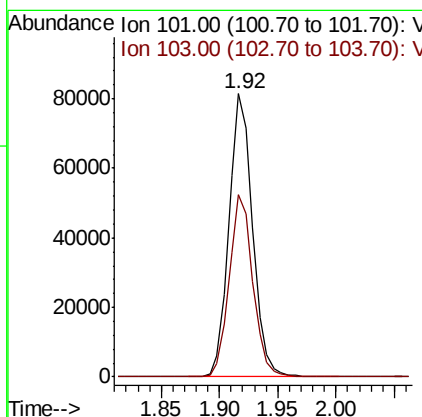
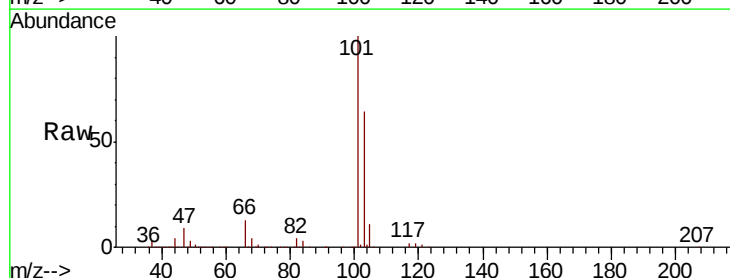
Instrument :
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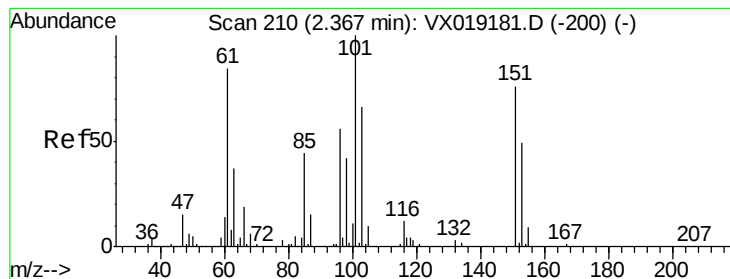
Tot Ion: 64 Resp: 47702
Ion Ratio Lower Upper
64 100
66 32.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.362 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion: 101 Resp: 114636
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9





#10

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

Concen: 4.388 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD005312

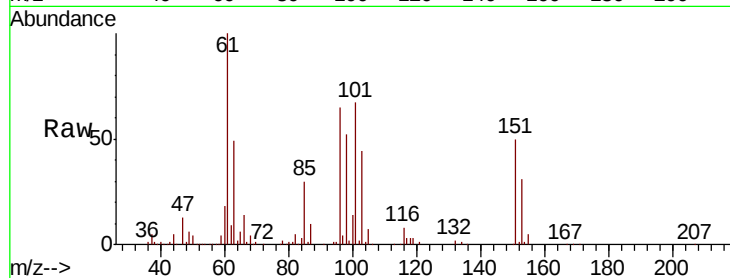
Tot Ion:101 Resp: 65536

Ion Ratio Lower Upper

101 100

85 44.8 35.3 52.9

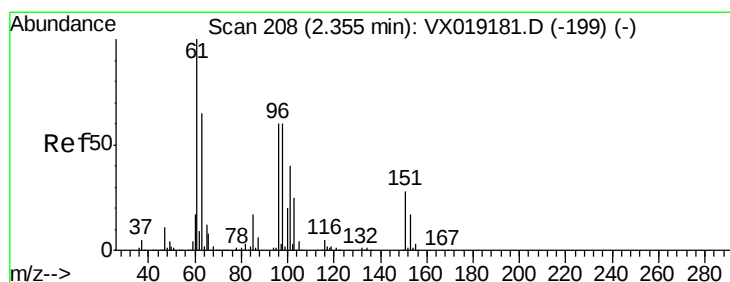
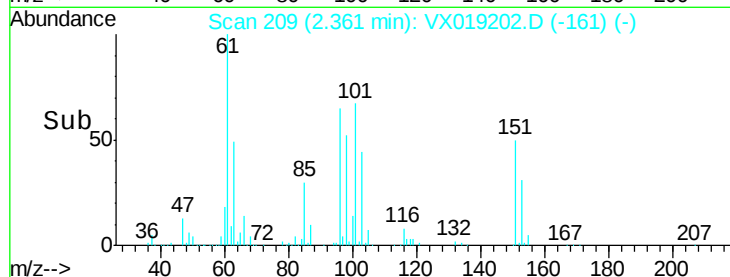
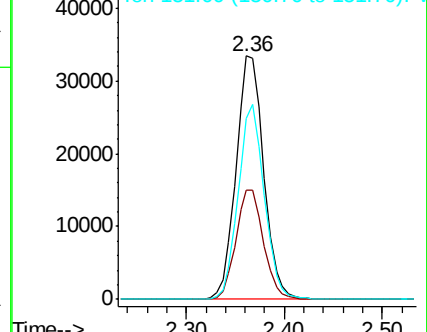
151 75.7 60.9 91.3



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: 4.365 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

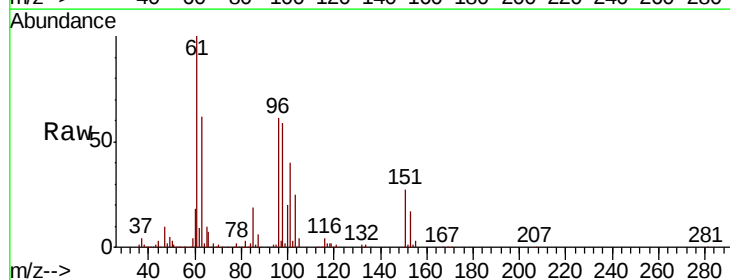
Tgt Ion: 96 Resp: 63406

Ion Ratio Lower Upper

96 100

61 163.0 109.5 203.3

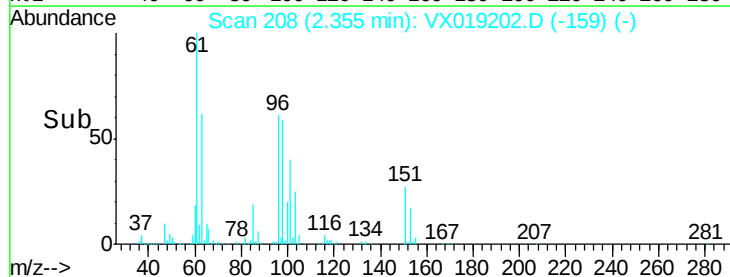
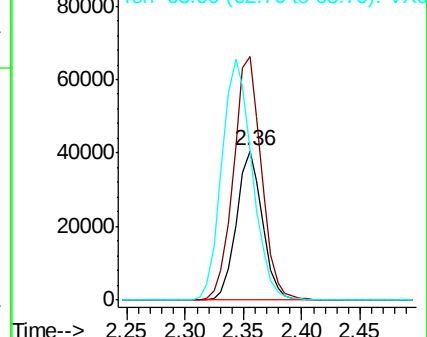
63 100.9 68.3 126.9

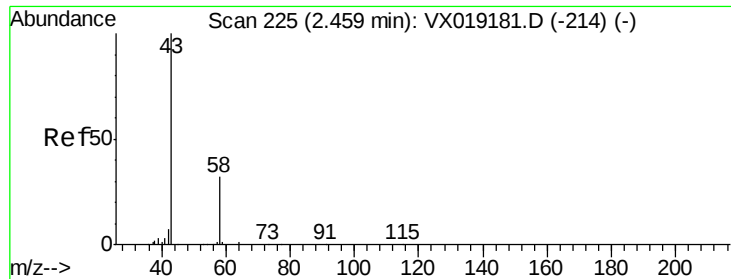


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 43.099 ug/L

RT: 2.45 min Scan# 224

Delta R.T. -0.01 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

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ClientSampleId :

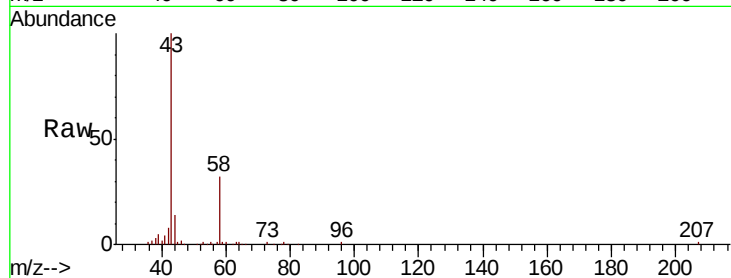
VSTD005312

Tot Ion: 43 Resp: 78706

Ion Ratio Lower Upper

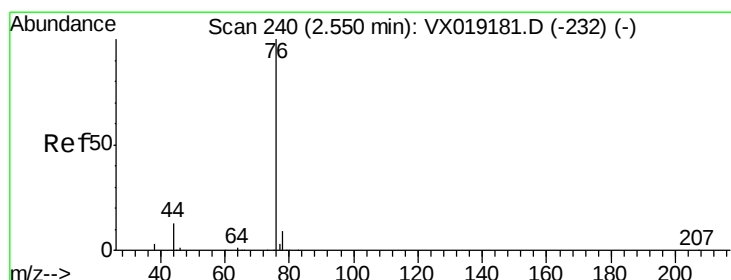
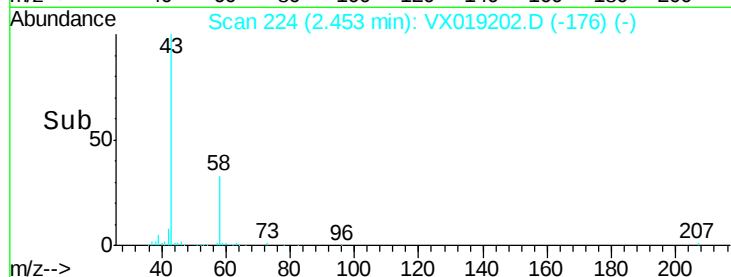
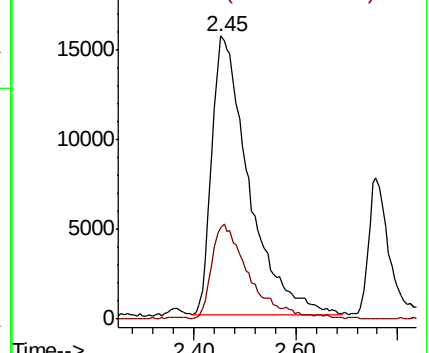
43 100

58 34.2 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 4.171 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019202.D

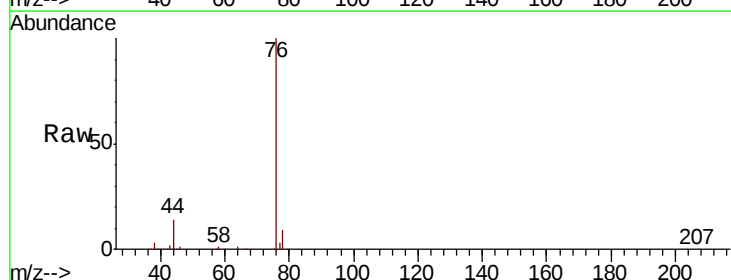
Acq: 30 Oct 2020 15:40

Tgt Ion: 76 Resp: 187933

Ion Ratio Lower Upper

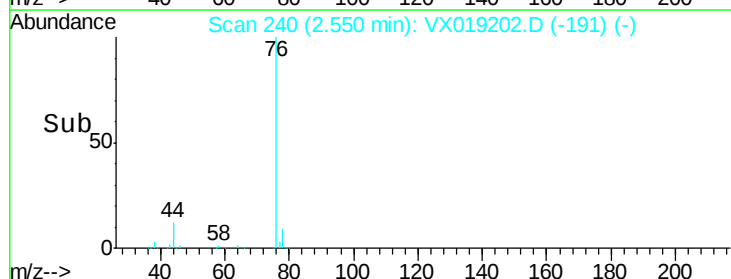
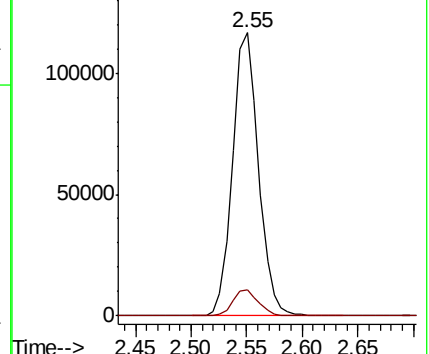
76 100

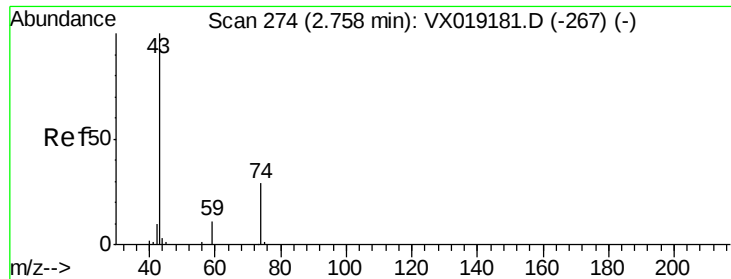
78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

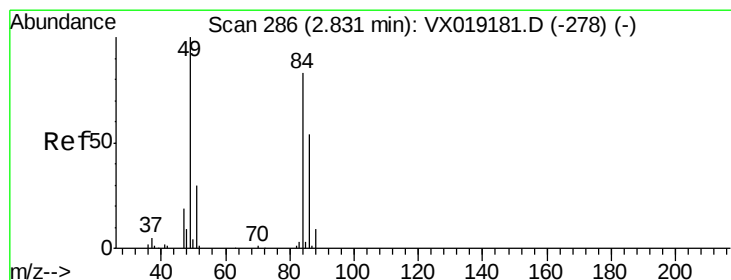
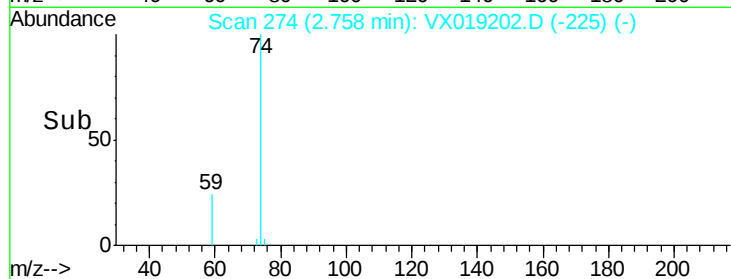
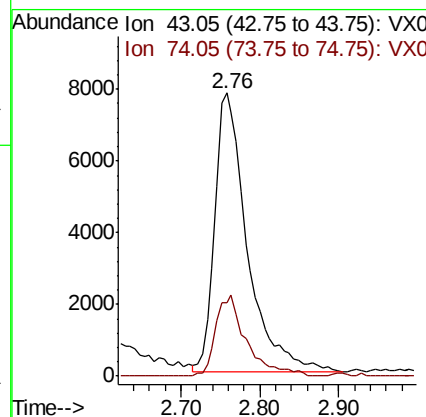
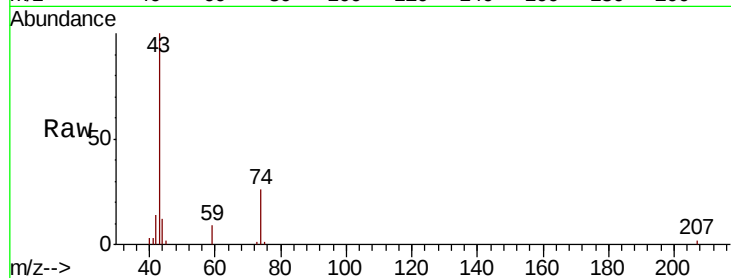




#15
Methyl Acetate
Concen: 4.545 ug/L
RT: 2.76 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

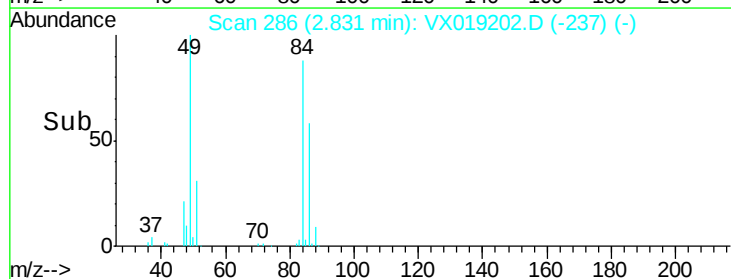
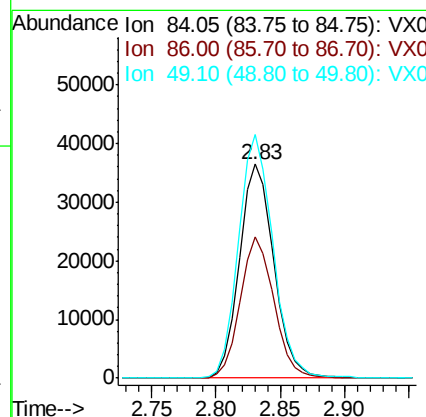
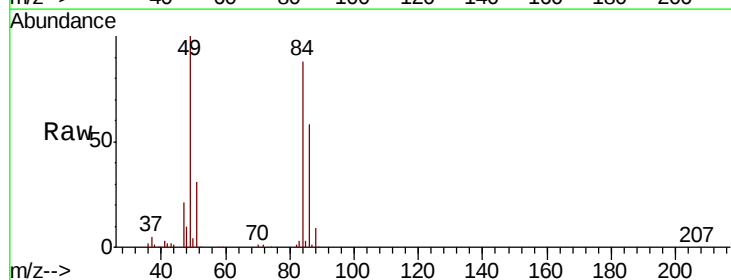
Instrument :
MSVOA_X
ClientSampleId :
VSTD005312

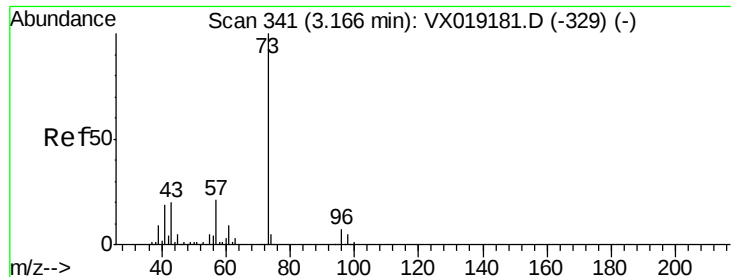
Tot Ion: 43 Resp: 22146
Ion Ratio Lower Upper
43 100
74 27.7 22.3 33.5



#16
Methylene chloride
Concen: 3.898 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion: 84 Resp: 67516
Ion Ratio Lower Upper
84 100
86 66.2 42.2 78.4
49 113.8 77.5 143.9

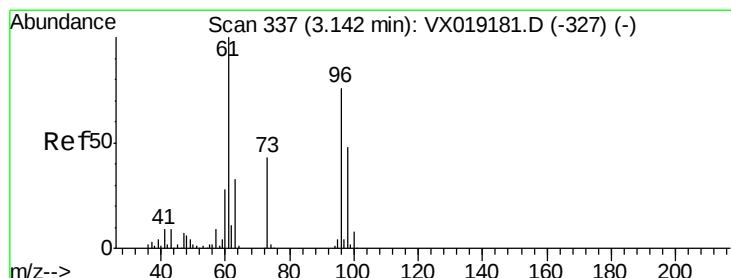
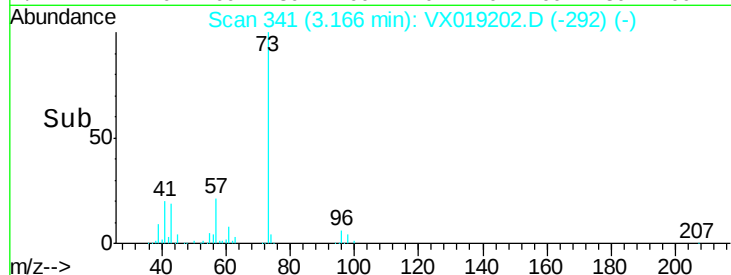
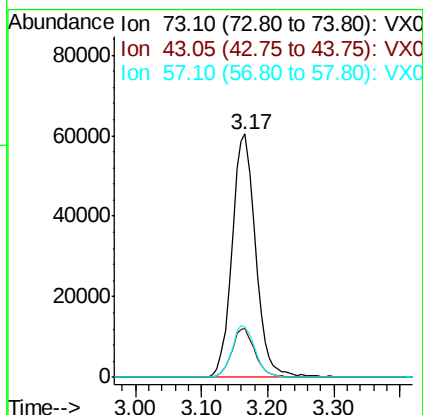
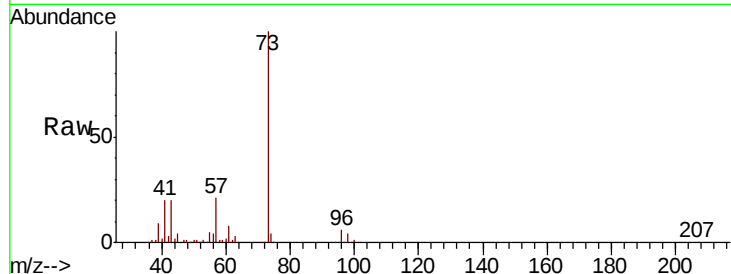




#17
Methvl tert-butvl Ether
Concen: 4.287 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

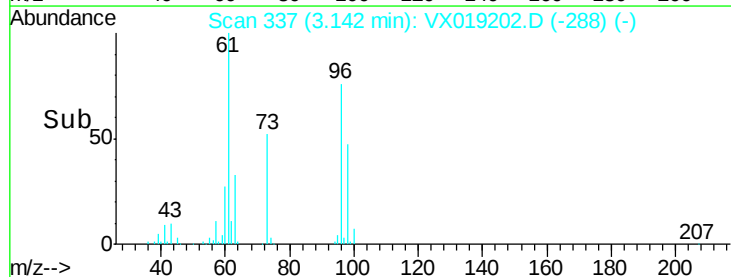
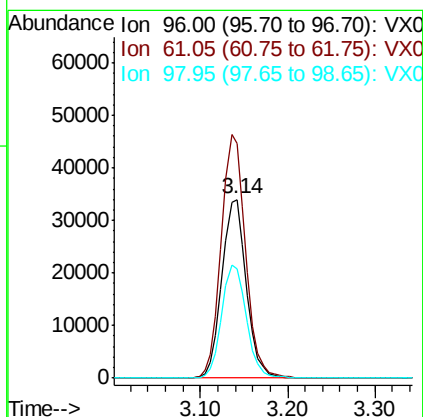
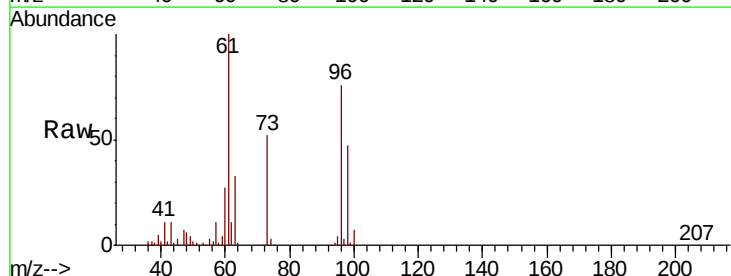
Instrument :
MSVOA_X
ClientSampleId :
VSTD005312

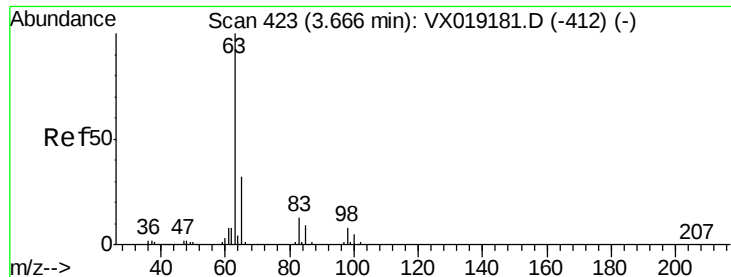
Tot Ion: 73 Resp: 149096
Ion Ratio Lower Upper
73 100
43 19.6 16.1 24.1
57 21.1 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.329 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion: 96 Resp: 66161
Ion Ratio Lower Upper
96 100
61 131.0 93.7 173.9
98 61.4 42.8 79.6

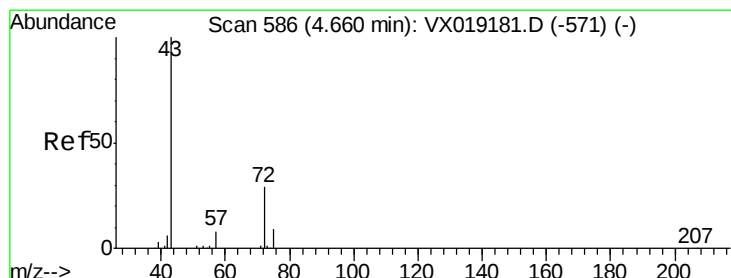
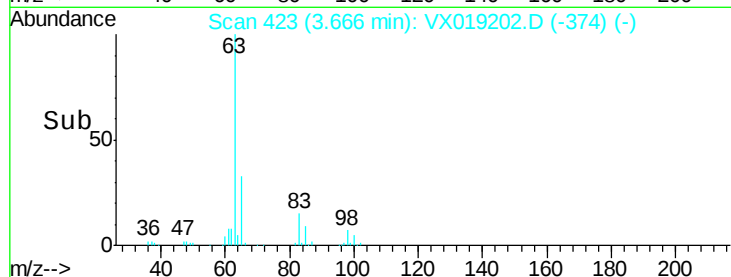
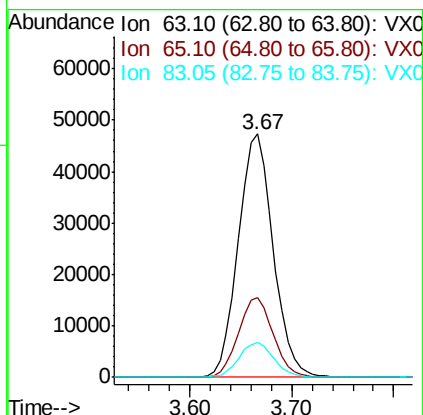
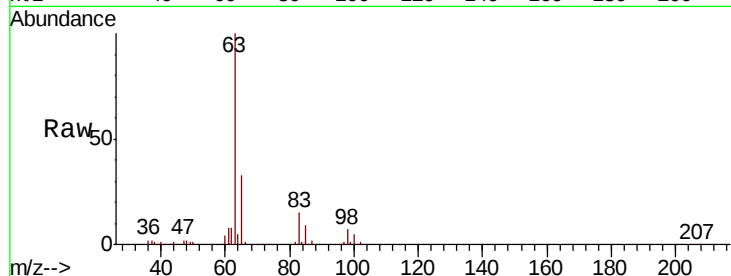




#19
 1,1-Dichloroethane
 Concen: 4.302 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

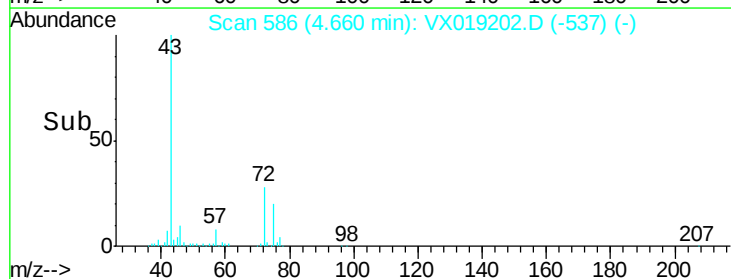
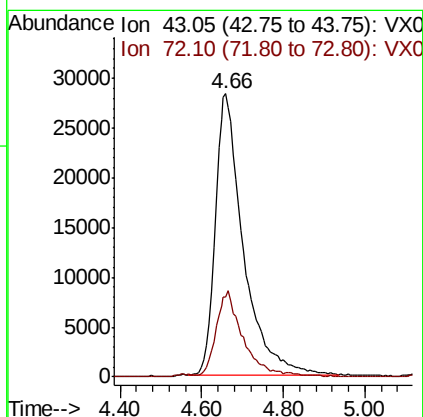
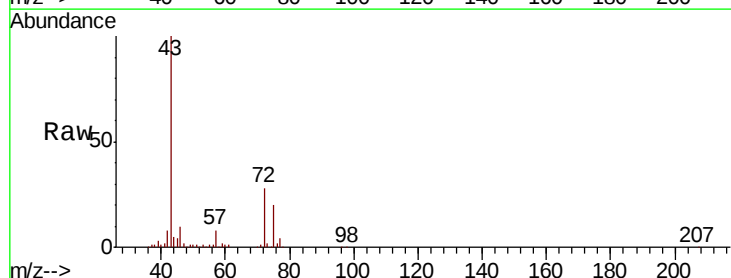
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005312

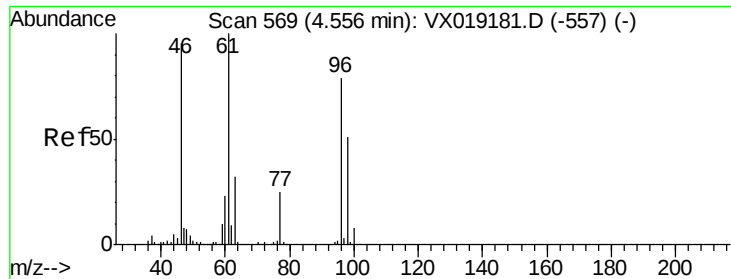
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.5	41.9
83	14.6	9.7	17.9



#21
 2-Butanone
 Concen: 42.403 ug/L
 RT: 4.66 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.8	14.4	43.4



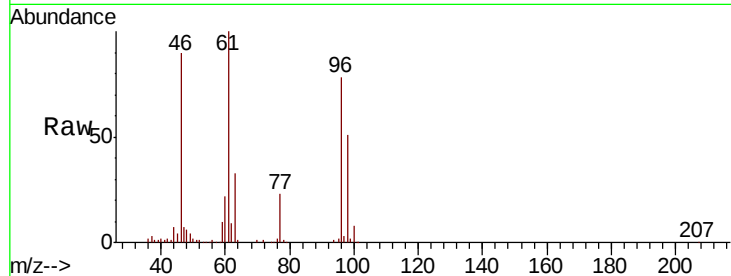


#22

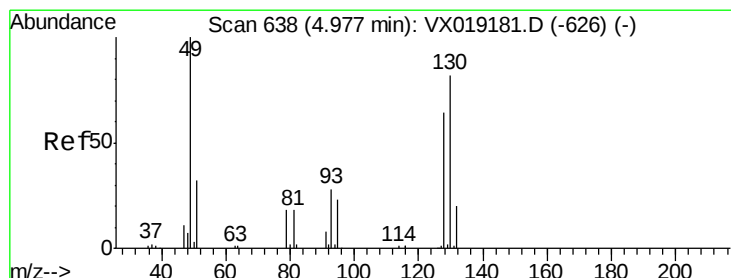
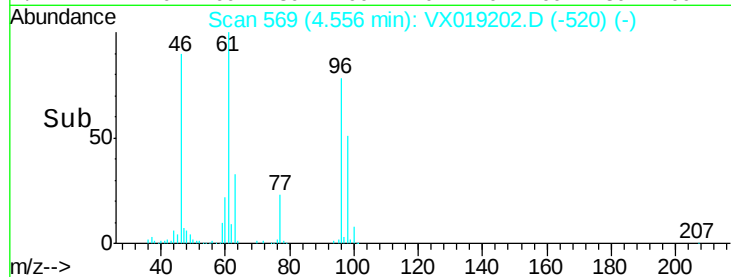
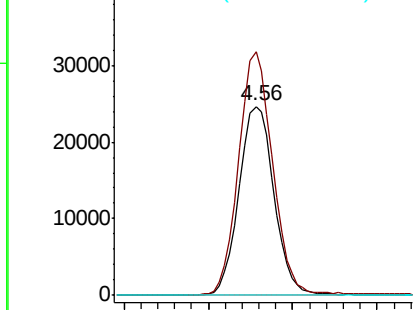
cis-1,2-Dichloroethene
 Concen: 4.262 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005312

Tot Ion: 96 Resp: 69381
 Ion Ratio Lower Upper
 96 100
 61 128.9 85.7 159.1
 68 0.0 0.0 0.0



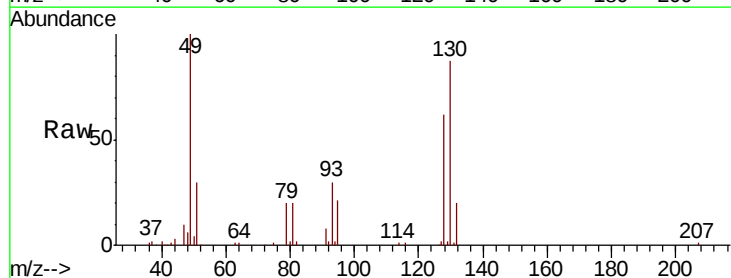
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



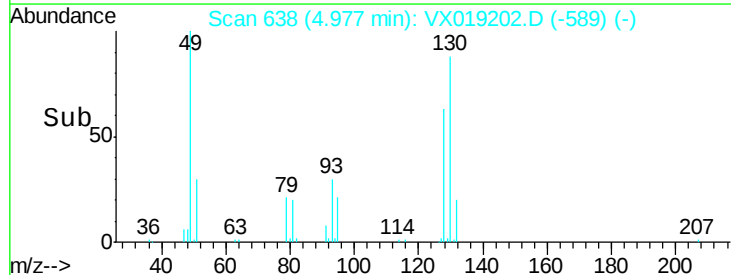
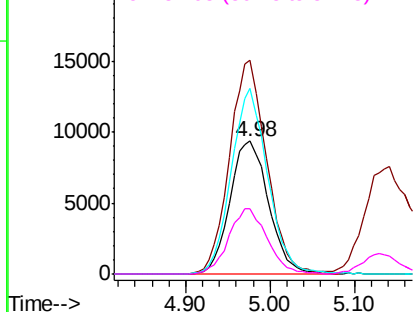
#23

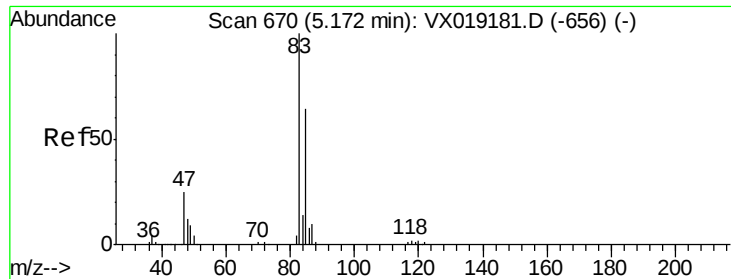
Bromochloromethane
 Concen: 4.300 ug/L
 RT: 4.98 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

Tgt Ion: 128 Resp: 29103
 Ion Ratio Lower Upper
 128 100
 49 161.1 102.8 191.0
 130 140.3 86.3 160.3
 51 48.8 36.5 54.7



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

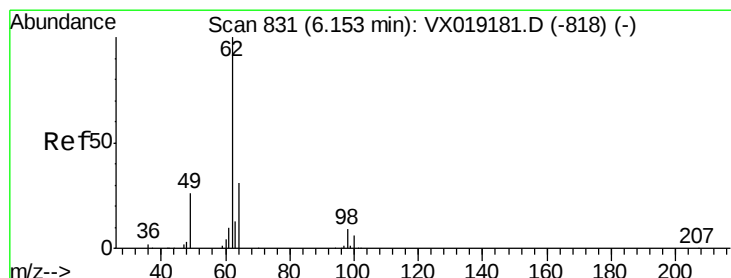
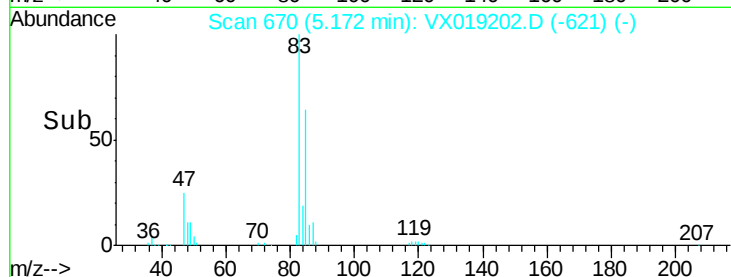
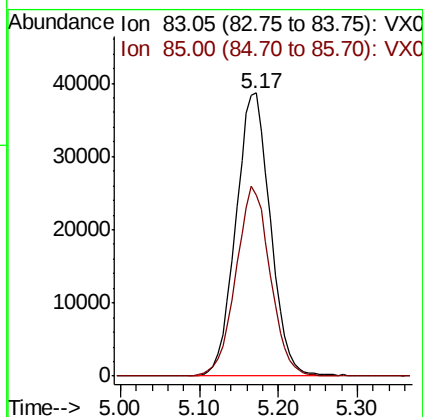
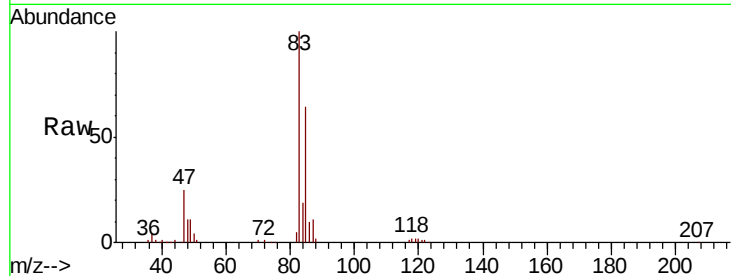




#25
Chloroform
Concen: 4.323 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

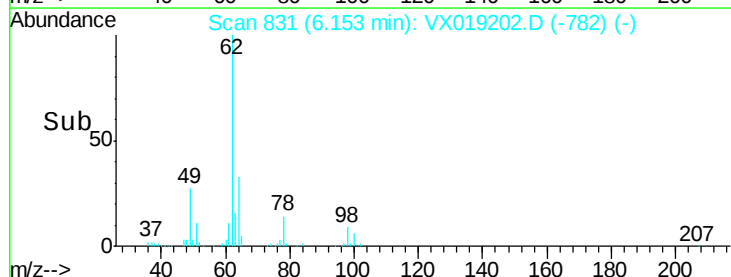
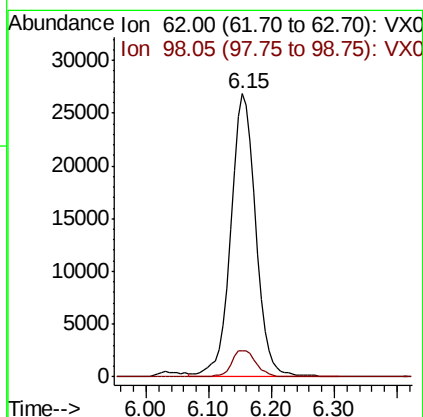
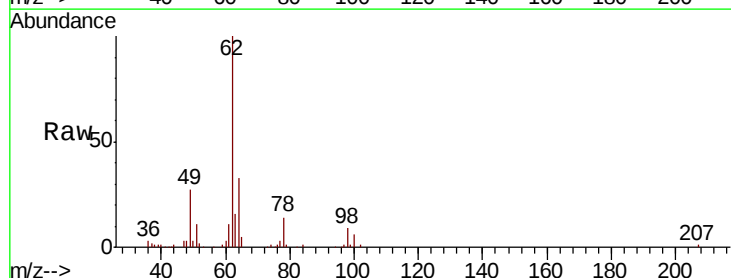
Instrument :
MSVOA_X
ClientSampleId :
VSTD005312

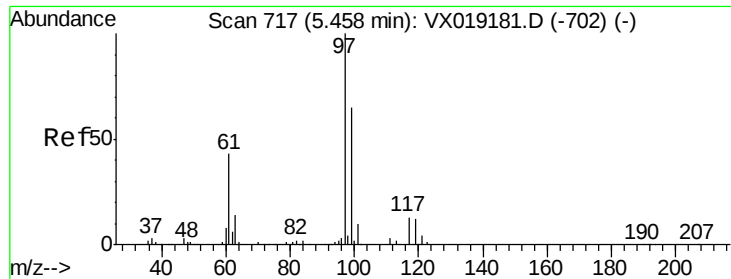
Tot Ion: 83 Resp: 117603
Ion Ratio Lower Upper
83 100
85 63.9 47.6 88.4



#27
1,2-Dichloroethane
Concen: 4.366 ug/L
RT: 6.15 min Scan# 831
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion: 62 Resp: 74312
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0

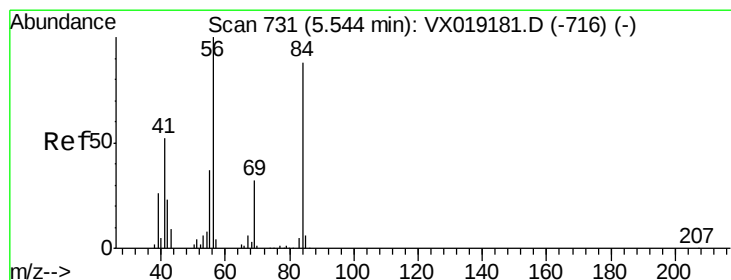
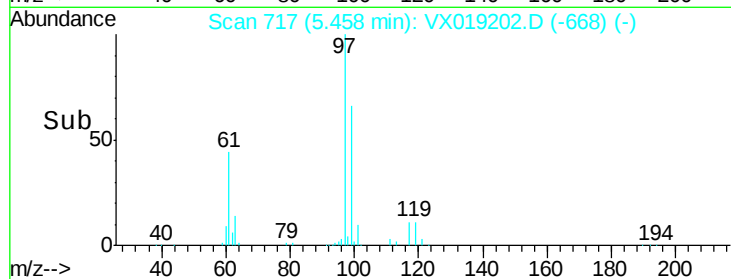
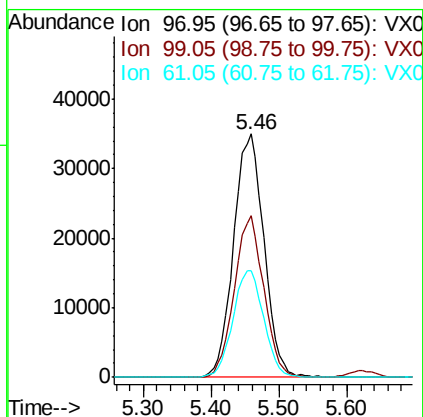
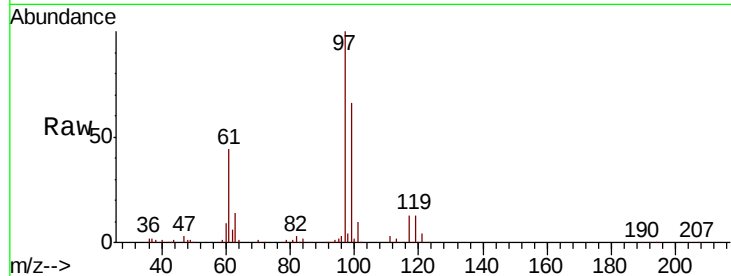




#29
 1,1,1-Trichloroethane
 Concen: 4.265 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

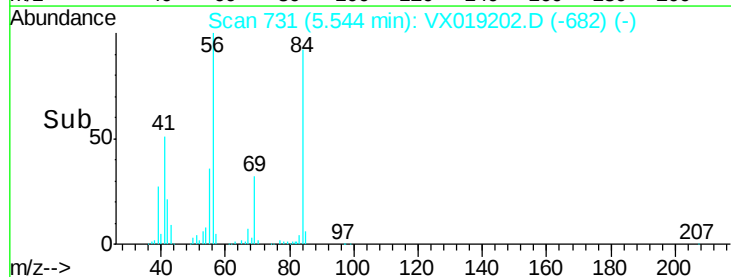
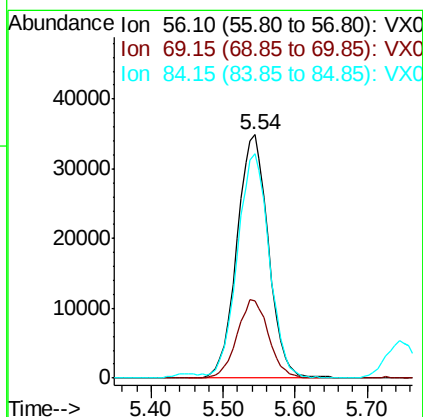
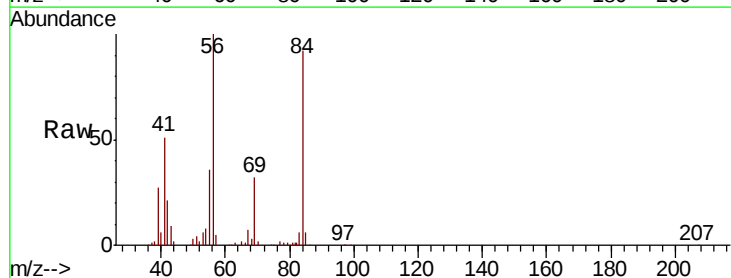
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005312

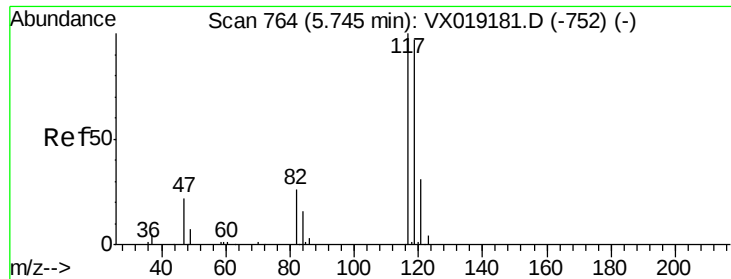
Tot Ion: 97 Resp: 108670
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.8
 61 44.6 34.5 51.7



#30
 Cyclohexane
 Concen: 4.180 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

Tgt Ion: 56 Resp: 106197
 Ion Ratio Lower Upper
 56 100
 69 32.3 26.2 39.2
 84 93.2 74.5 111.7





#31

Carbon tetrachloride

Concen: 4.270 ug/L

RT: 5.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

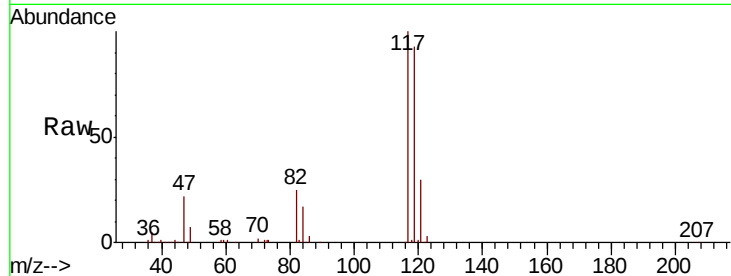
VSTD005312

Tot Ion:117 Resp: 92694

Ion Ratio Lower Upper

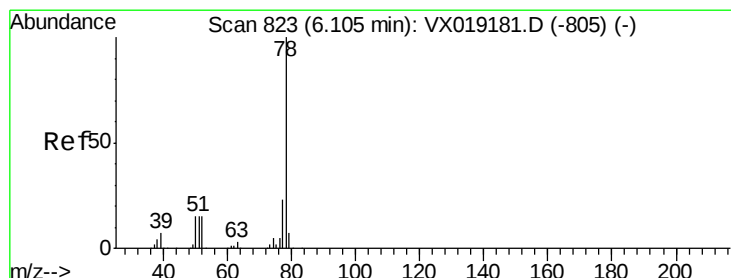
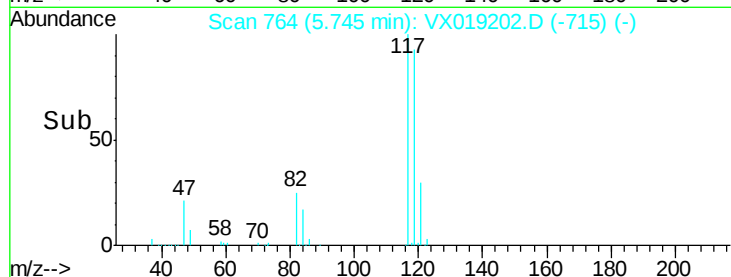
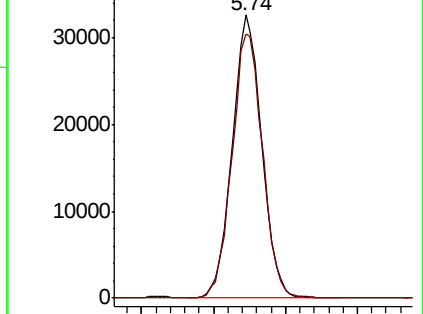
117 100

119 96.6 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.284 ug/L

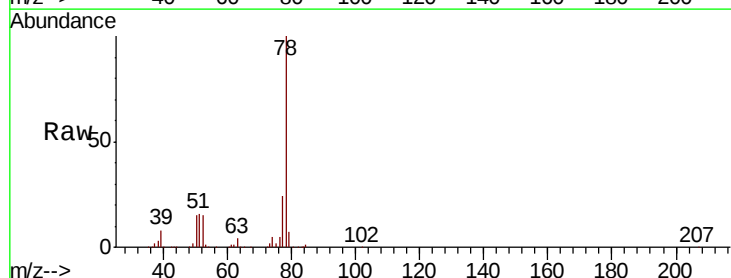
RT: 6.10 min Scan# 823

Delta R.T. -0.00 min

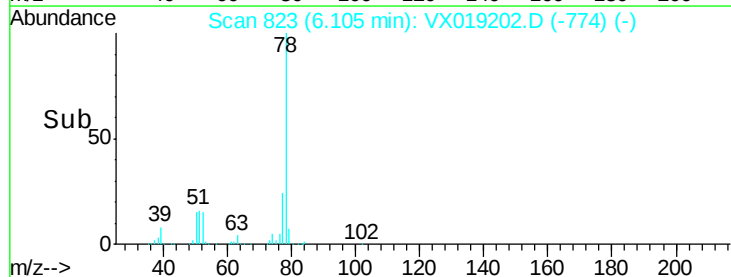
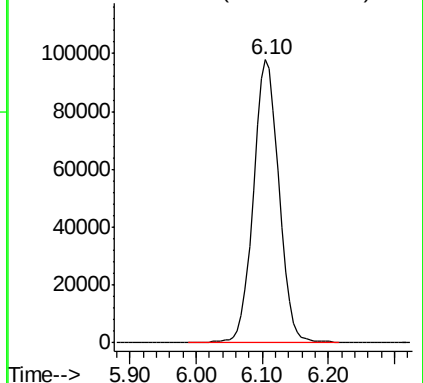
Lab File: VX019202.D

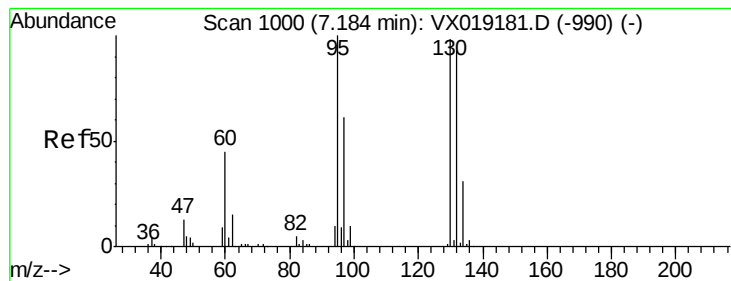
Acq: 30 Oct 2020 15:40

Tgt Ion: 78 Resp: 263396



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 4.228 ug/L

RT: 7.18 min Scan# 999

Delta R.T. -0.01 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD005312

Tot Ion: 95 Resp: 71084

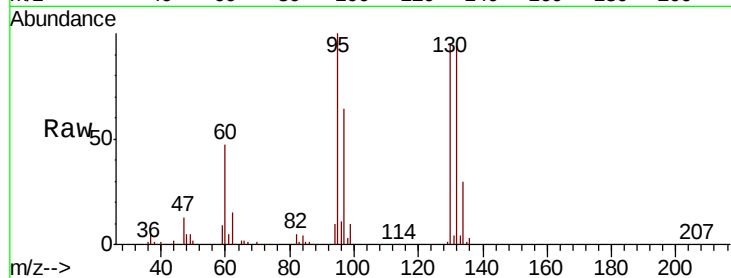
Ion Ratio Lower Upper

95 100

97 64.3 45.2 84.0

132 93.7 65.3 121.3

130 95.3 70.6 131.0

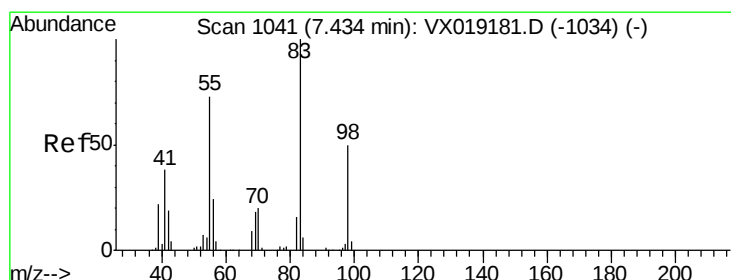
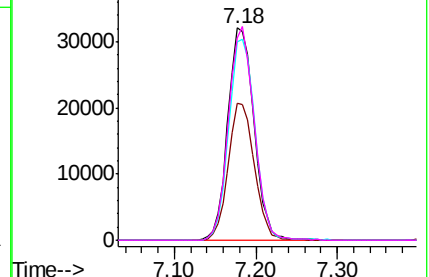
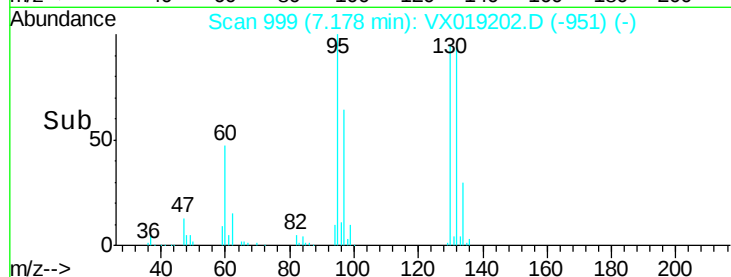


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 4.218 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

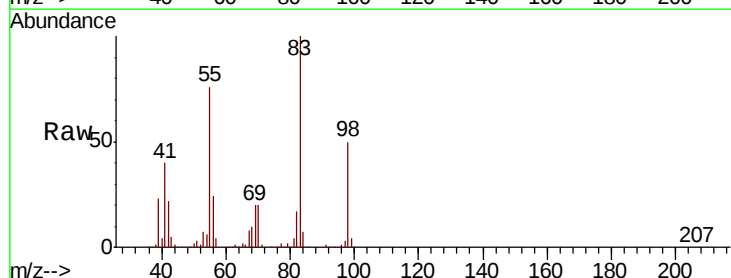
Tgt Ion: 83 Resp: 114680

Ion Ratio Lower Upper

83 100

55 73.2 58.5 87.7

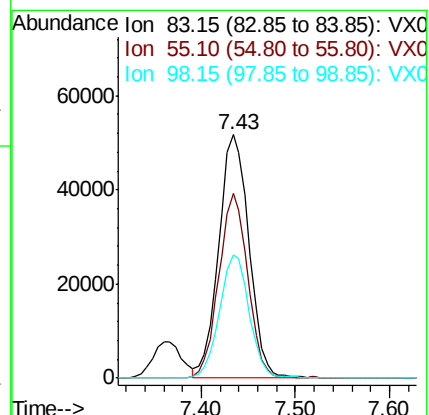
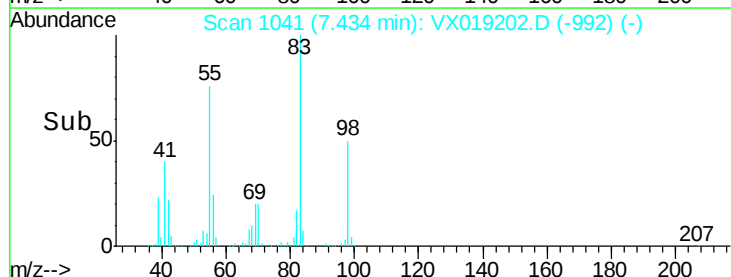
98 50.1 40.1 60.1

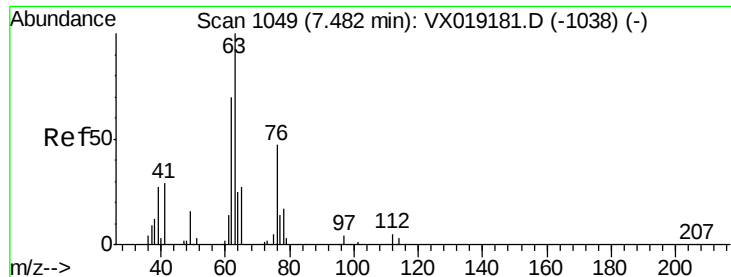


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

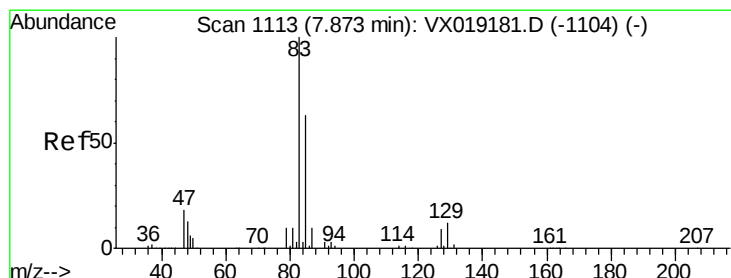
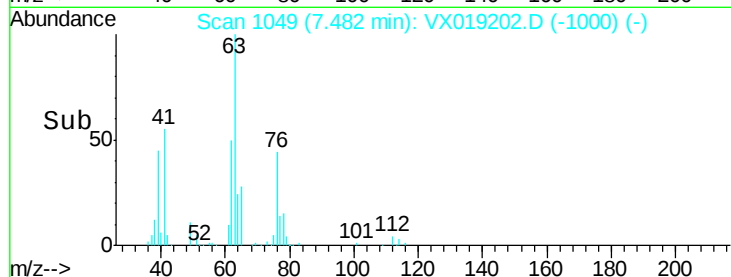
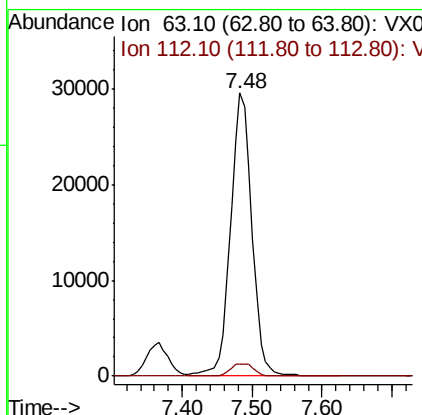
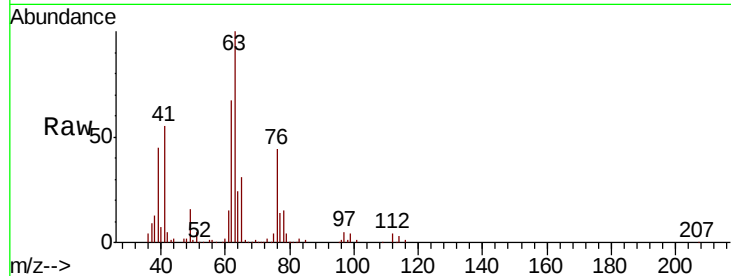




#37
 1,2-Dichloropropane
 Concen: 4.326 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

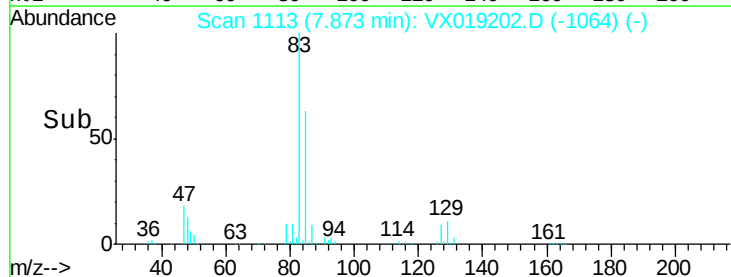
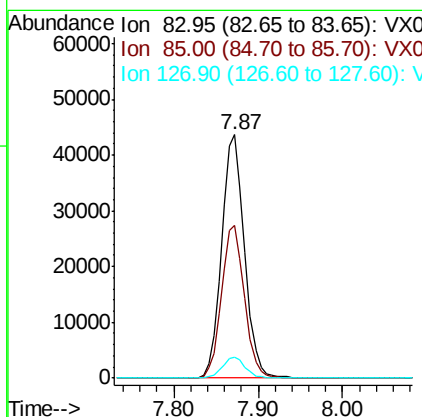
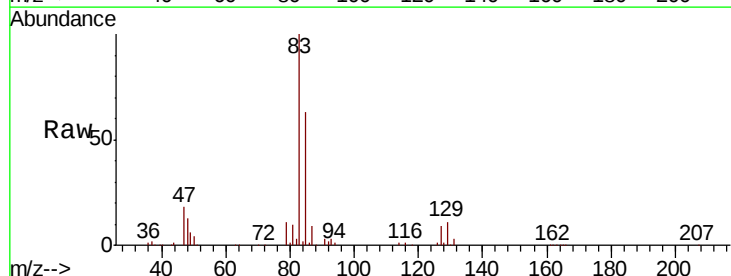
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005312

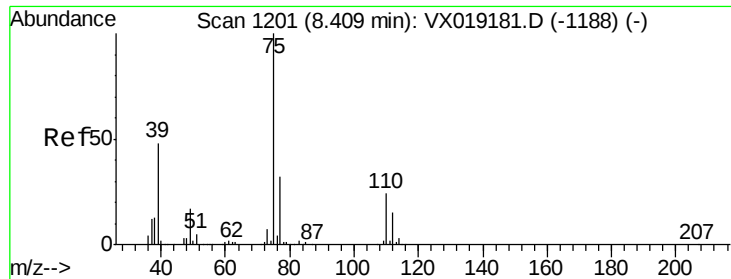
Tot Ion: 63 Resp: 62697
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.318 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

Tgt Ion: 83 Resp: 81469
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.4 82.5
 127 8.5 7.2 10.8



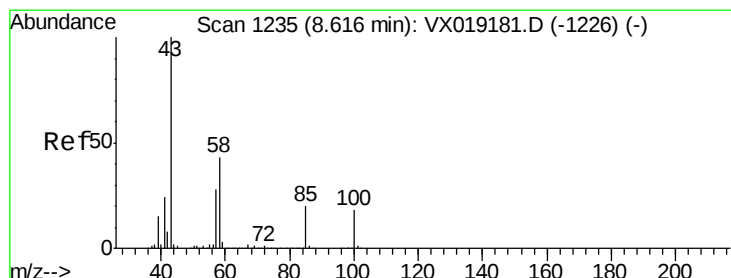
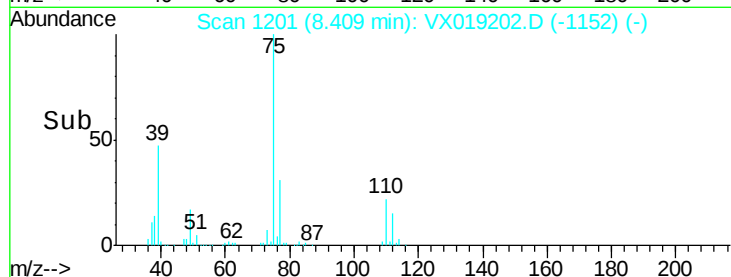
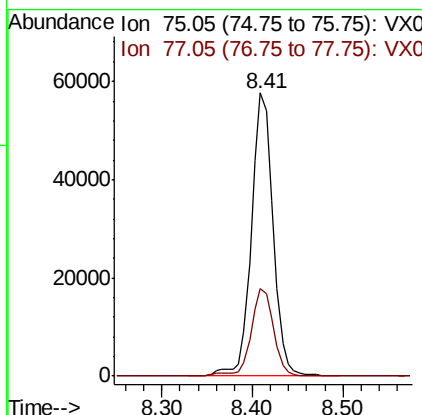
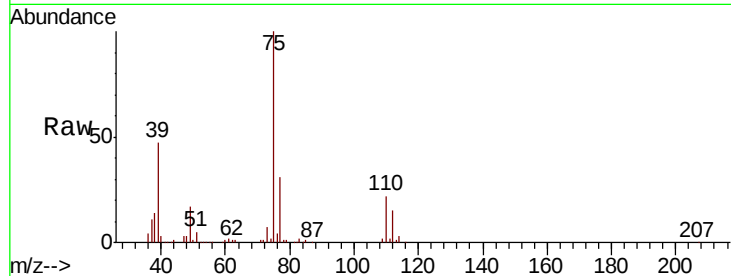


#39

cis-1,3-Dichloropropene
Concen: 4.304 ug/L
RT: 8.41 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTD005312

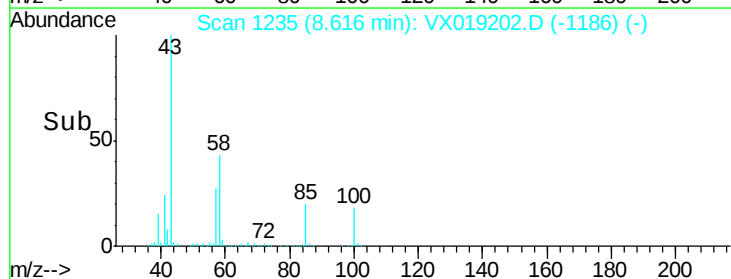
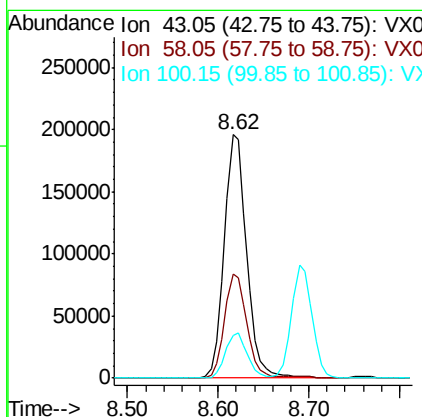
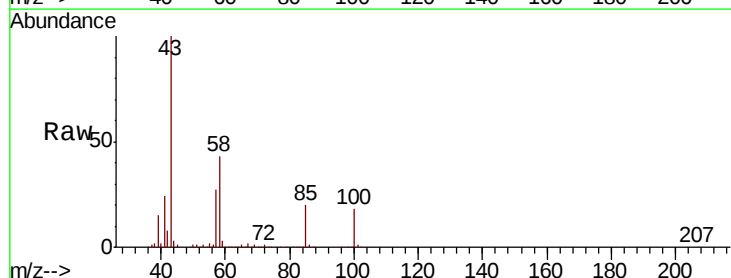
Tot Ion: 75 Resp: 95807
Ion Ratio Lower Upper
75 100
77 30.8 21.8 40.6

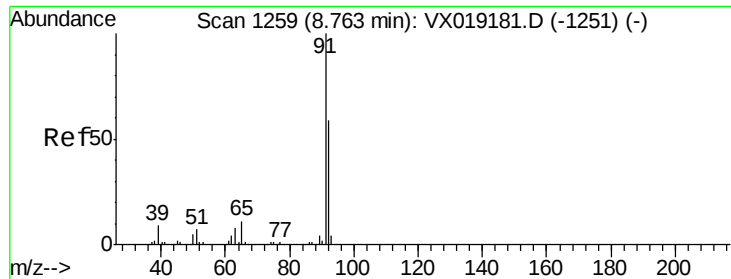


#40

4-Methyl-2-pentanone
Concen: 43.527 ug/L
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion: 43 Resp: 336839
Ion Ratio Lower Upper
43 100
58 42.4 34.1 51.1
100 18.1 15.0 22.4





#42

Toluene

Concen: 4.299 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

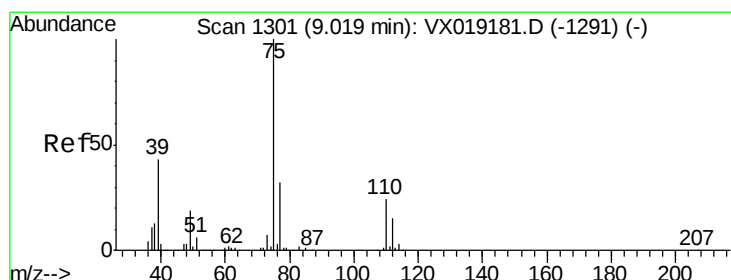
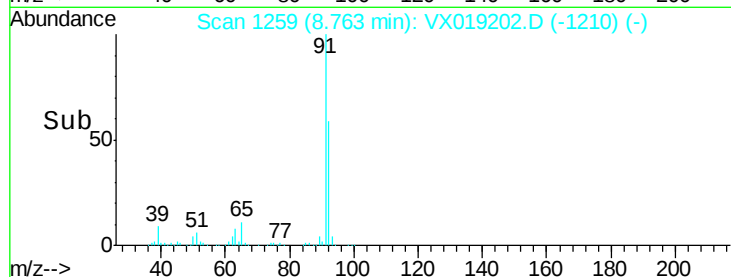
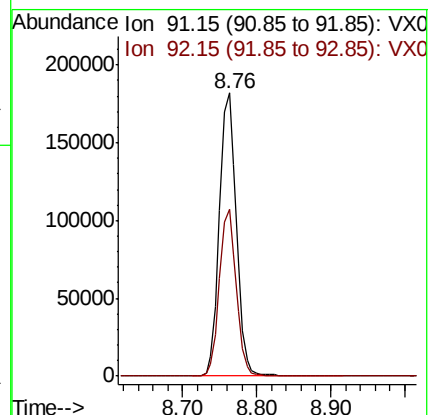
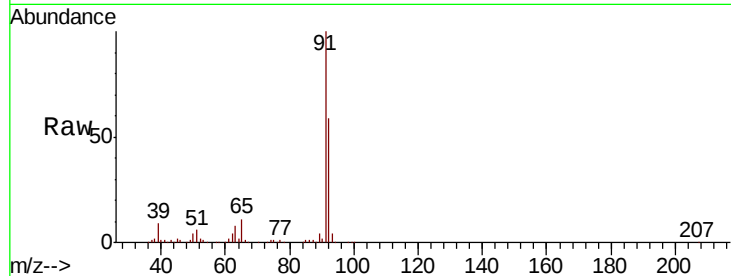
VSTD005312

Tot Ion: 91 Resp: 285514

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.316 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019202.D

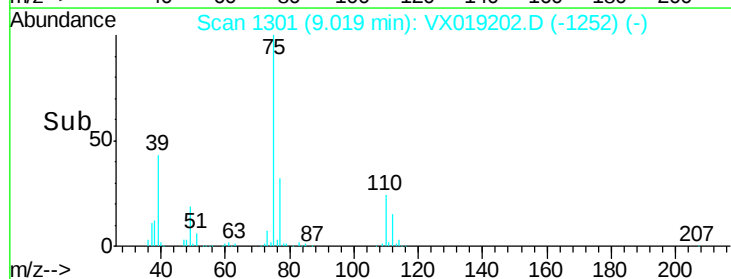
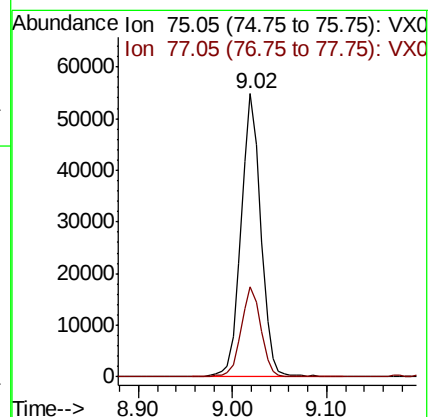
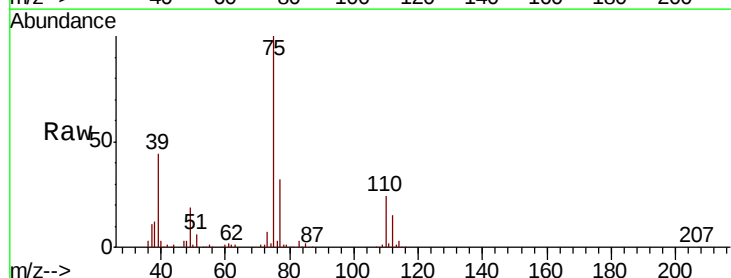
Acq: 30 Oct 2020 15:40

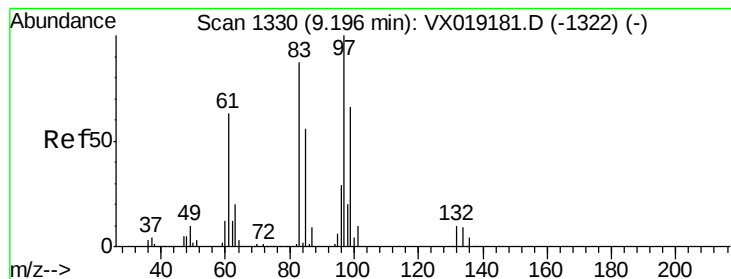
Tgt Ion: 75 Resp: 80443

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 4.221 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD005312

Tot Ion: 97 Resp: 44634

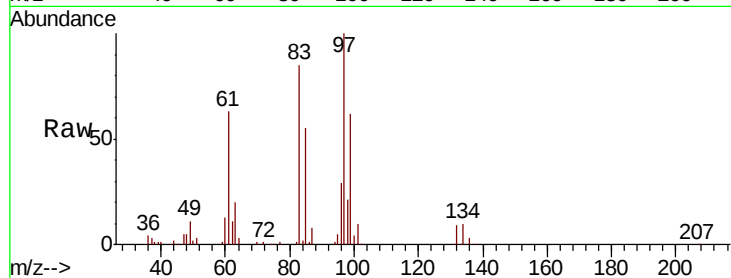
Ion Ratio Lower Upper

97 100

99 62.1 44.8 83.2

83 85.0 59.1 109.7

85 54.6 37.4 69.4

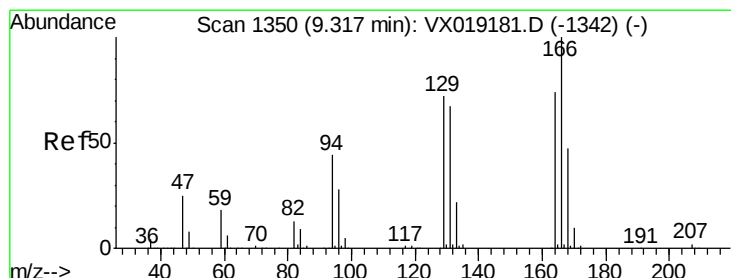
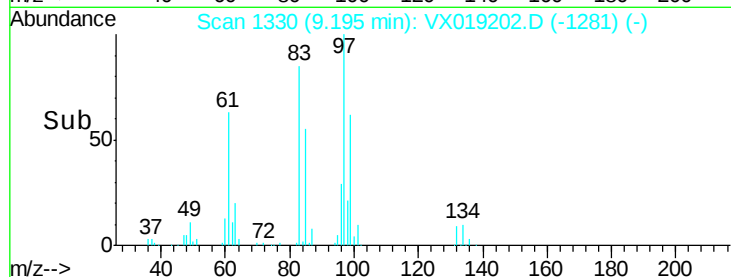
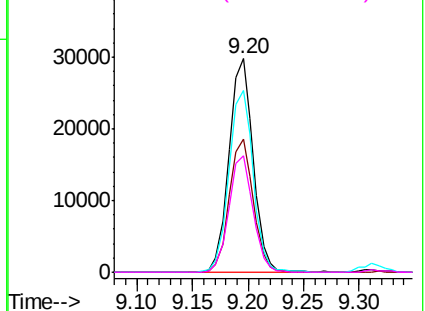


Abundance Ion 96.95 (96.65 to 97.65): VX0

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



#47

Tetrachloroethene

Concen: 4.240 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Tgt Ion: 164 Resp: 54417

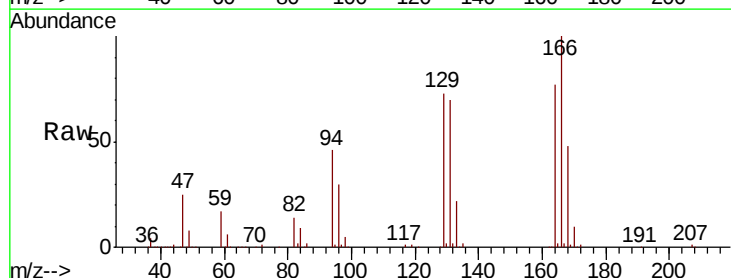
Ion Ratio Lower Upper

164 100

129 94.6 64.2 119.2

131 90.3 63.8 118.4

166 129.1 88.3 164.1

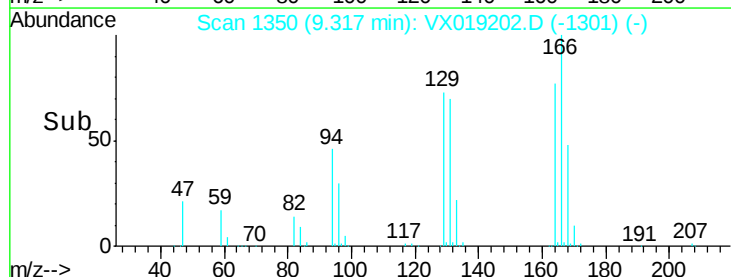
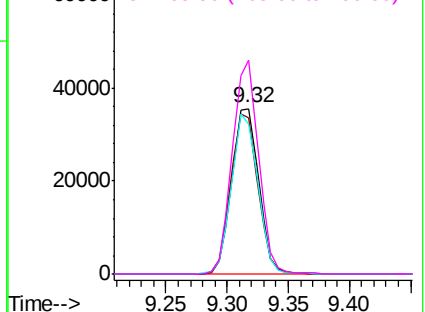


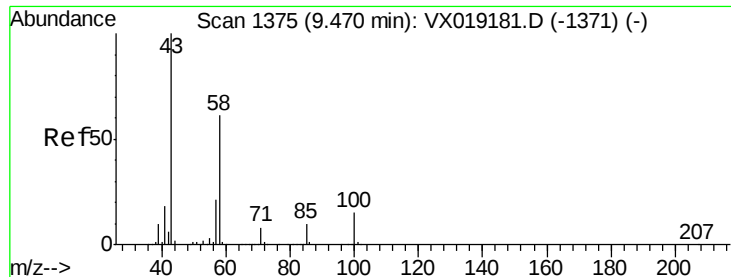
Abundance Ion 163.90 (163.60 to 164.60): V

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

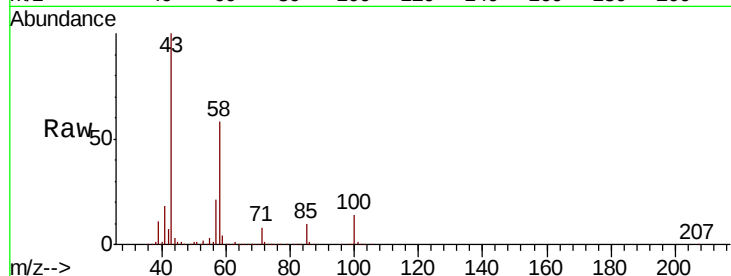




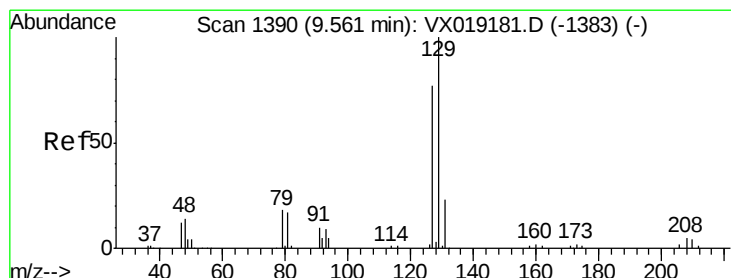
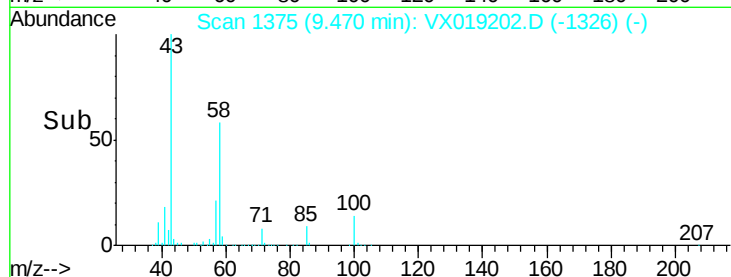
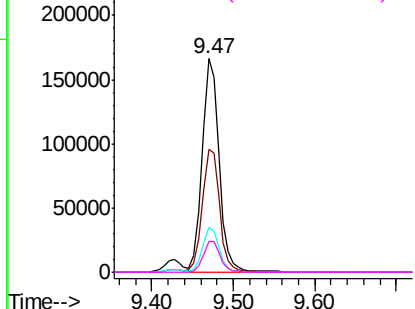
#48
2-Hexanone
Concen: 44.176 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Instrument :
MSVOA_X
ClientSampled :
VSTD005312

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	49.3	73.9
57	21.0	17.2	25.8
100	14.7	11.8	17.8

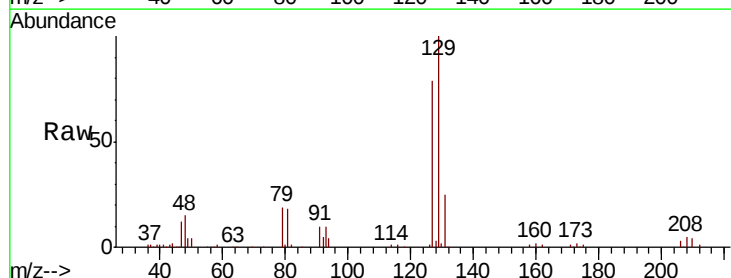


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

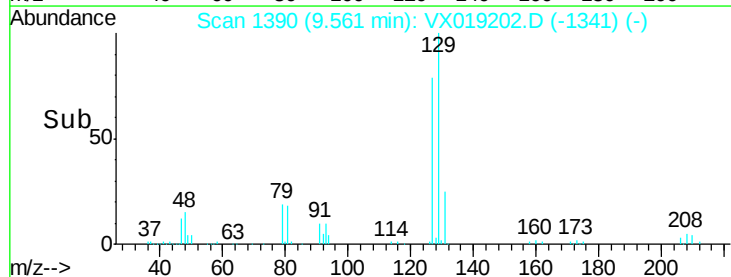
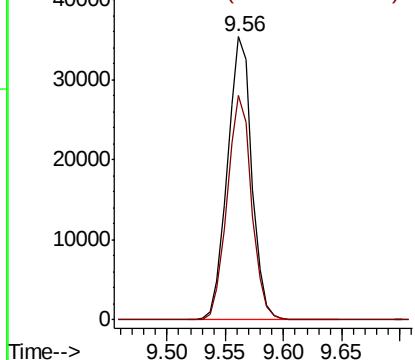


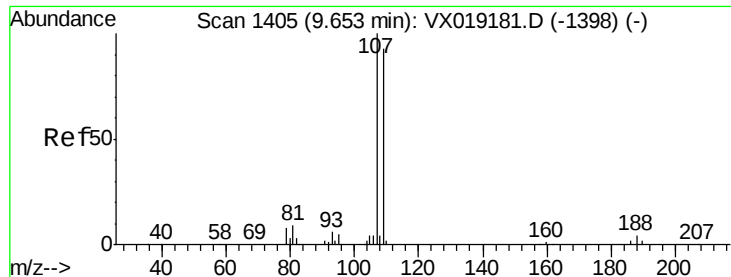
#49
Dibromochloromethane
Concen: 4.204 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	53.6	99.6



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

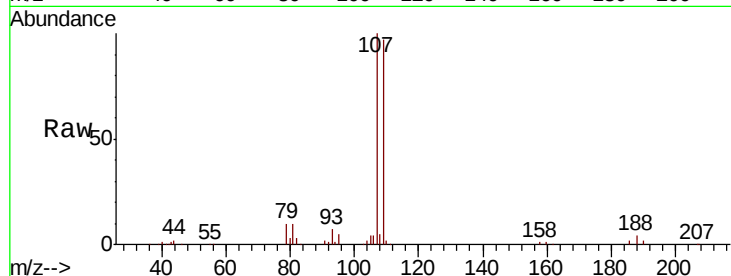




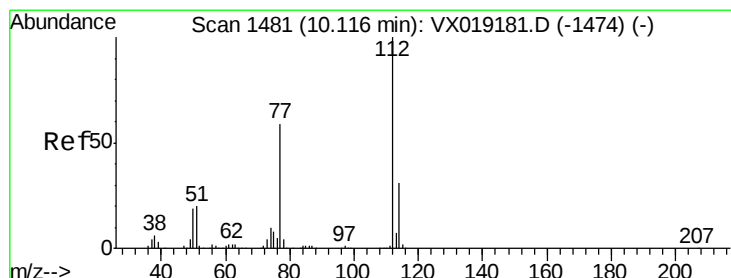
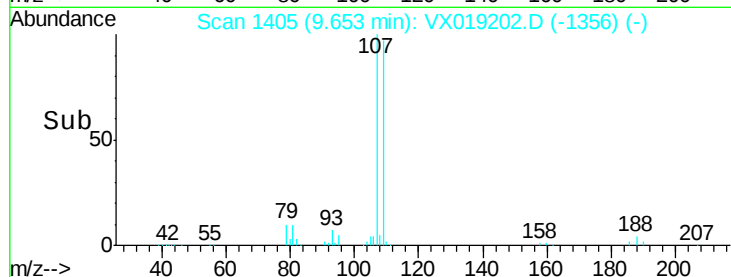
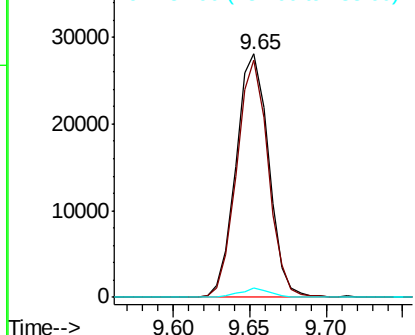
#50
1,2-Dibromoethane
Concen: 4.269 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTD005312

Tot Ion:107 Resp: 41879
Ion Ratio Lower Upper
107 100
109 97.3 62.9 116.9
188 3.9 3.0 4.4

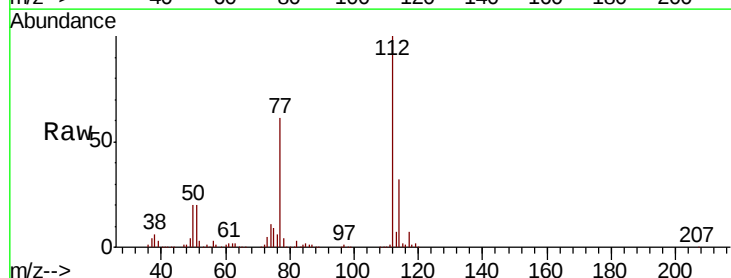


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

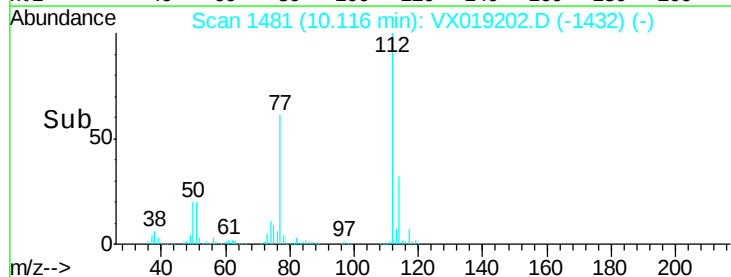
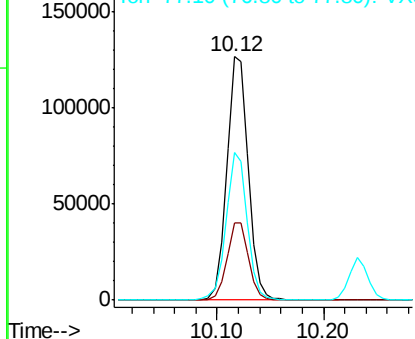


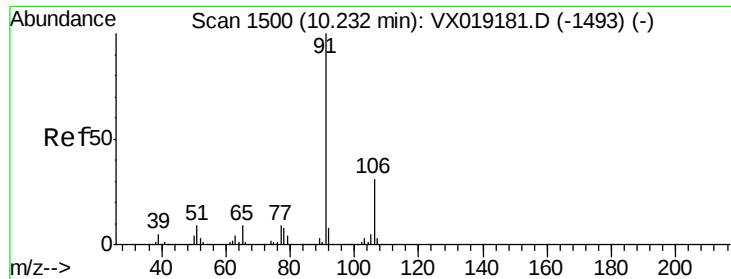
#51
Chlorobenzene
Concen: 4.252 ug/L
RT: 10.12 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion:112 Resp: 178774
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.9
77 60.6 46.2 69.2



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

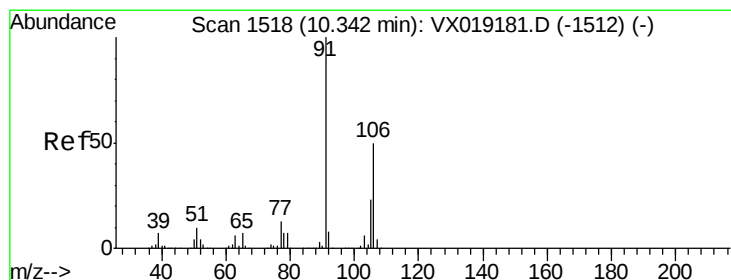
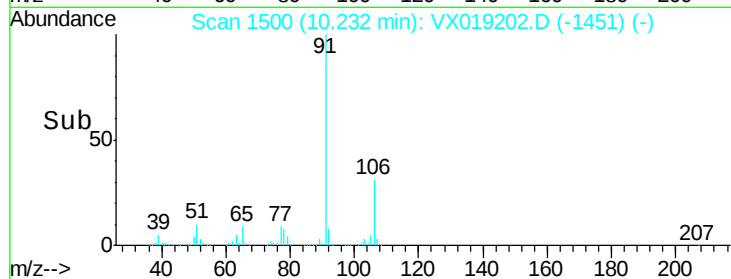
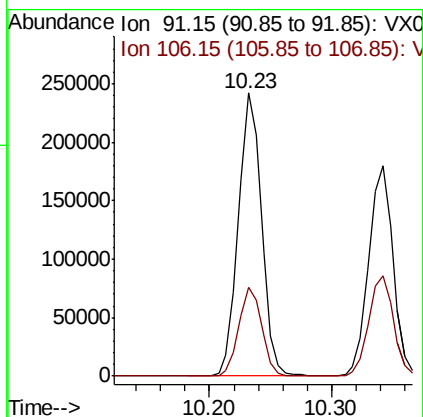
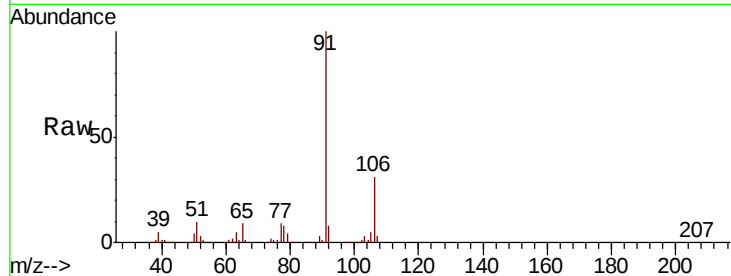




#52
Ethylbenzene
Concen: 4.256 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

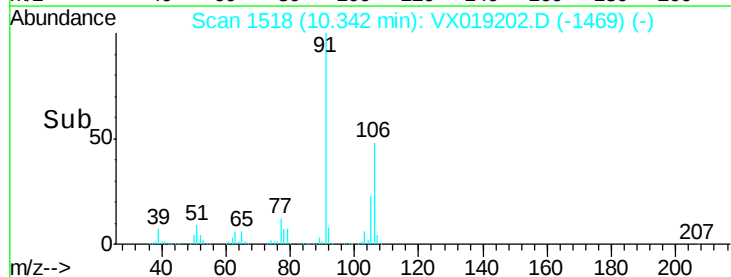
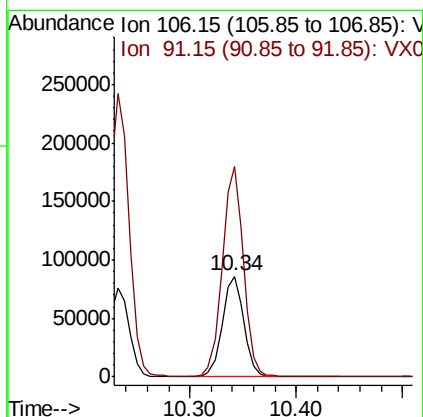
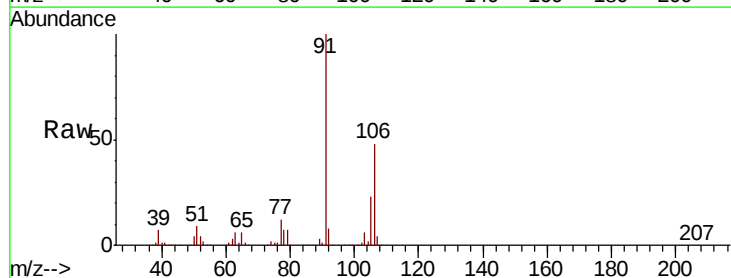
Instrument :
MSVOA_X
ClientSampled :
VSTD005312

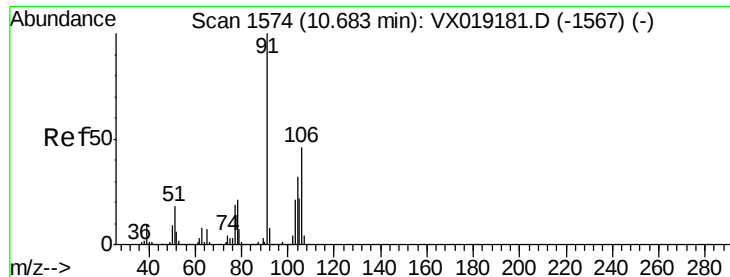
Tot Ion: 91 Resp: 316222
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.1



#53
m,p-xylene
Concen: 4.246 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019202.D
Acq: 30 Oct 2020 15:40

Tgt Ion: 106 Resp: 121041
Ion Ratio Lower Upper
106 100
91 209.5 141.5 262.7





#54

o-xylene

Concen: 4.239 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

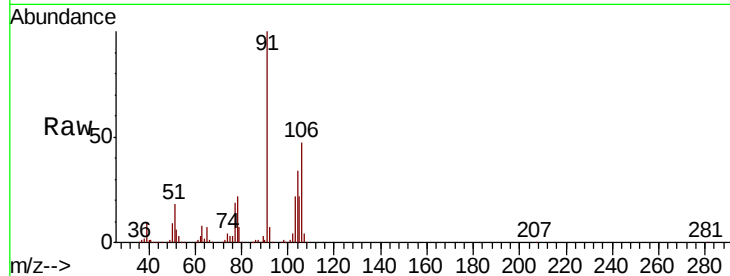
VSTD005312

Tot Ion:106 Resp: 115770

Ion Ratio Lower Upper

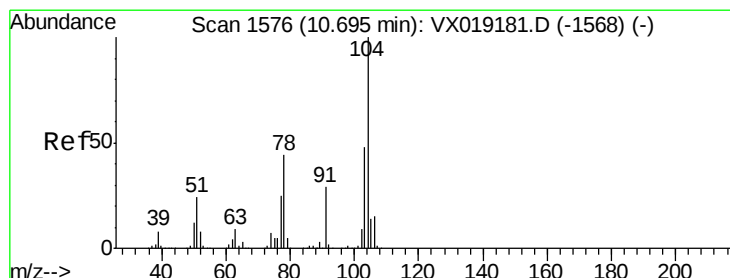
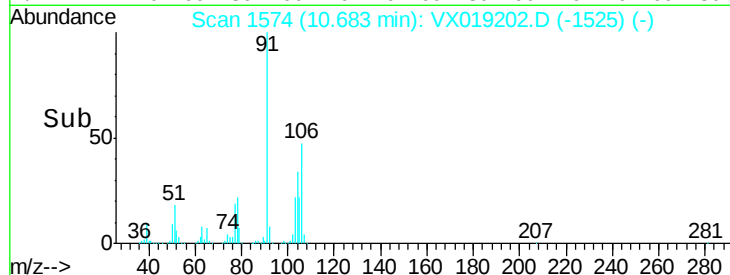
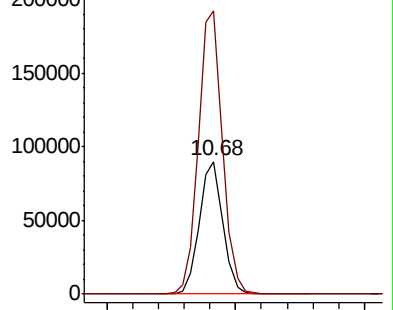
106 100

91 213.4 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 4.376 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019202.D

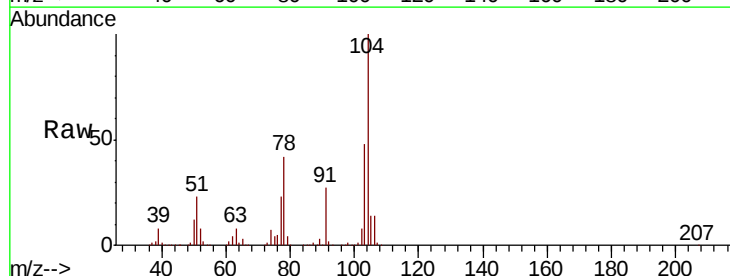
Acq: 30 Oct 2020 15:40

Tgt Ion:104 Resp: 195245

Ion Ratio Lower Upper

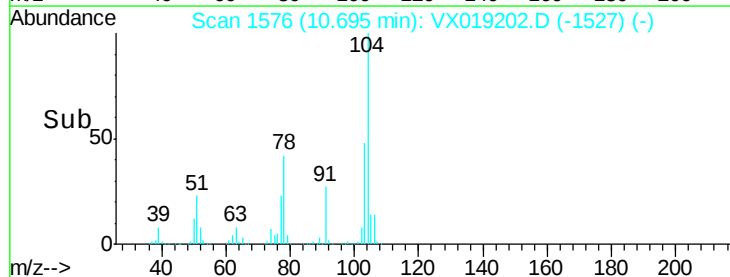
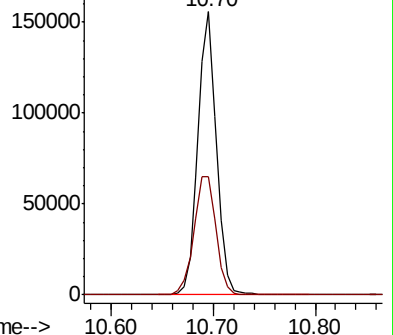
104 100

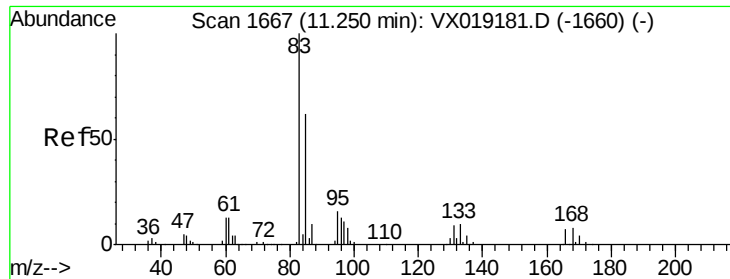
78 41.9 31.7 58.9



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: 4.242 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD005312

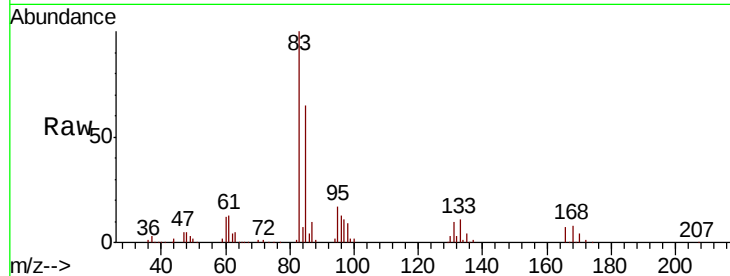
Tot Ion: 83 Resp: 51130

Ion Ratio Lower Upper

83 100

85 64.7 46.0 85.4

131 10.0 7.7 11.5

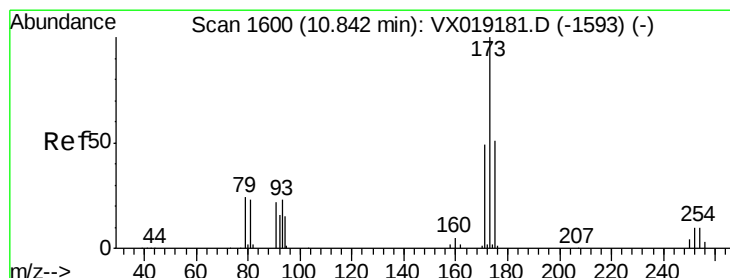
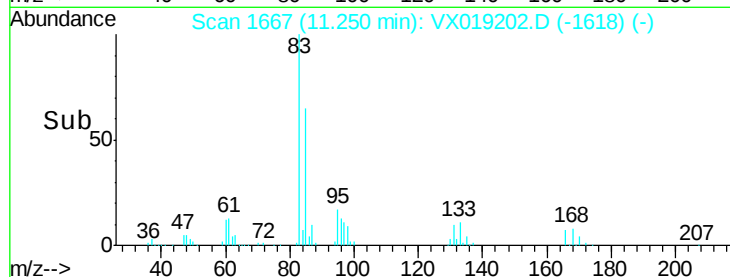


Abundance Ion 82.95 (82.65 to 83.65): VX019181.D (-1660) (-)

Ion 85.00 (84.70 to 85.70): VX019181.D (-1660) (-)

Ion 130.95 (130.65 to 131.65): VX019181.D (-1660) (-)

Time-->



#59

Bromoform

Concen: 4.184 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

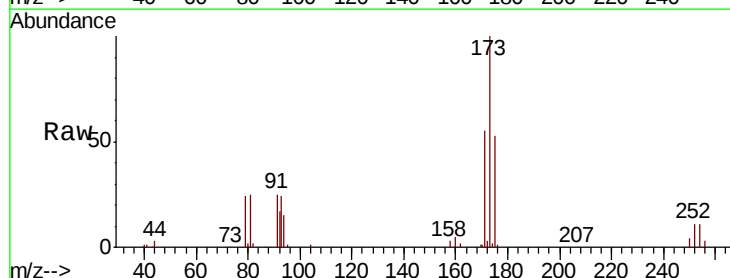
Tgt Ion: 173 Resp: 27062

Ion Ratio Lower Upper

173 100

175 49.8 38.6 57.8

254 9.9 7.4 11.0

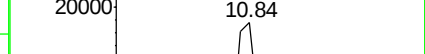
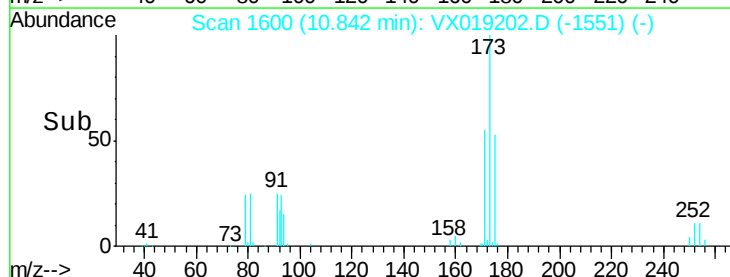


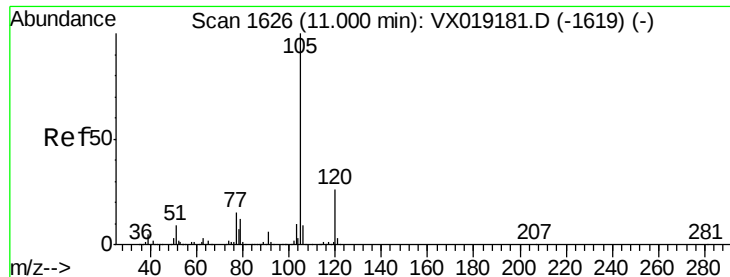
Abundance Ion 172.90 (172.60 to 173.60): VX019181.D (-1593) (-)

Ion 174.90 (174.60 to 175.60): VX019181.D (-1593) (-)

Ion 253.75 (253.45 to 254.45): VX019181.D (-1593) (-)

Time-->





#60

Isopropylbenzene

Concen: 4.392 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD005312

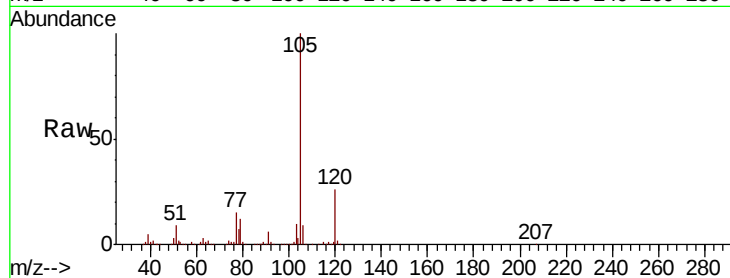
Tot Ion:105 Resp: 317833

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.2

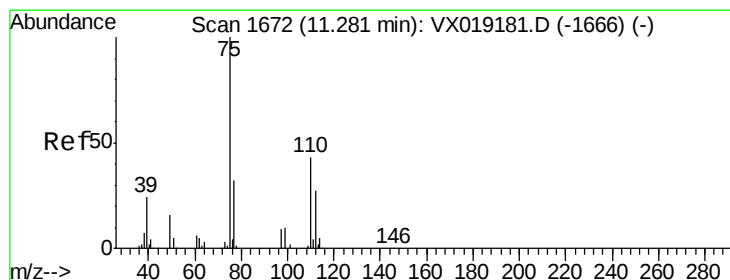
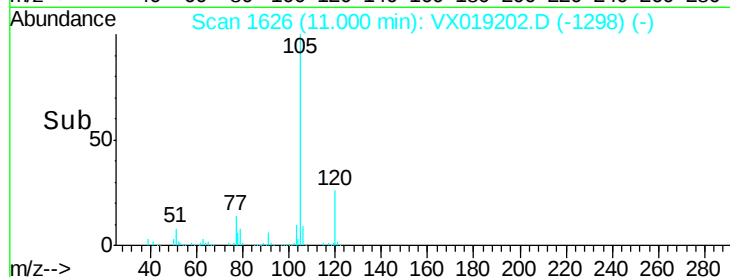
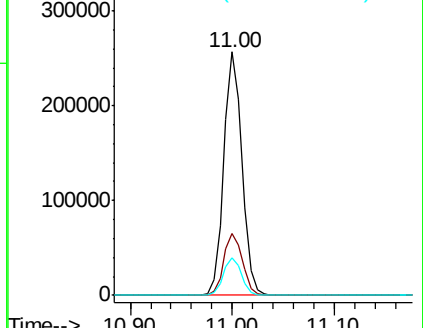
77 15.7 12.9 19.3



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: 4.429 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

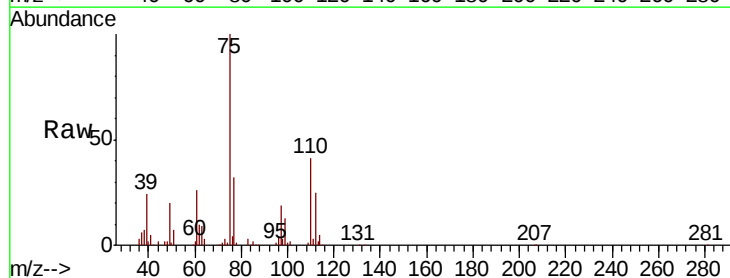
Tgt Ion: 75 Resp: 39147

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

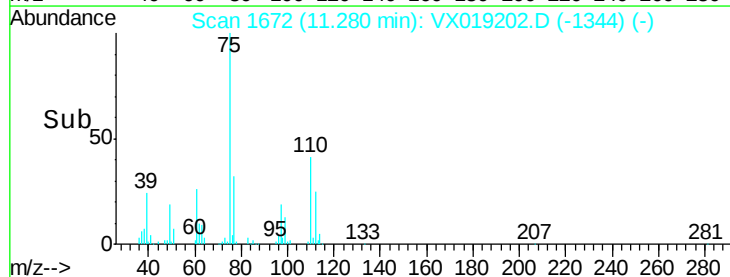
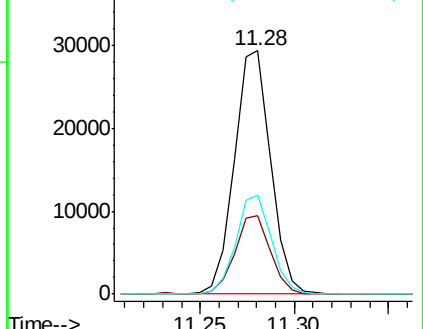
110 39.7 32.4 48.6

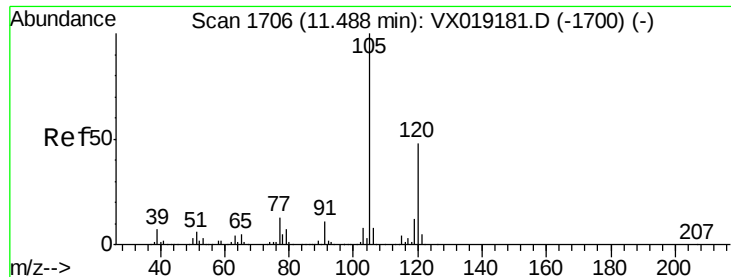


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 4.409 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampled :

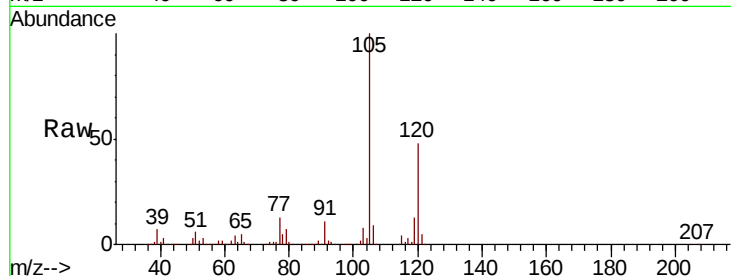
VSTD005312

Tot Ion:105 Resp: 267147

Ion Ratio Lower Upper

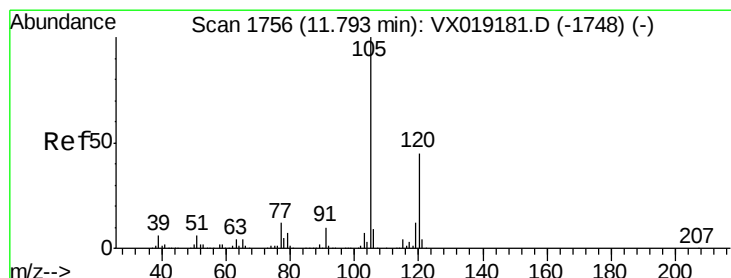
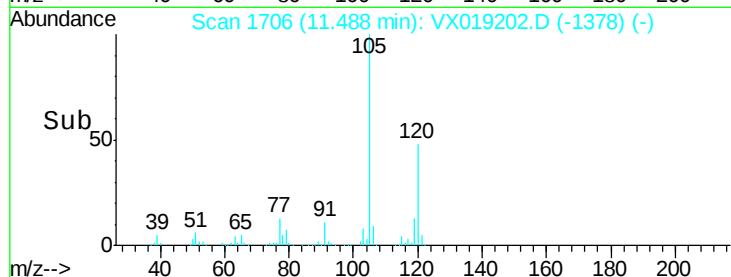
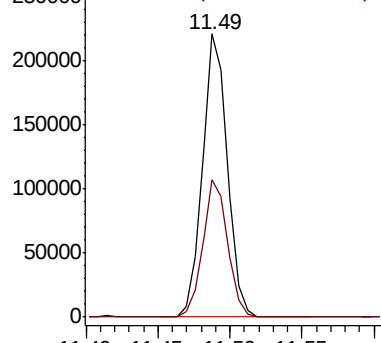
105 100

120 48.5 38.9 58.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 4.453 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019202.D

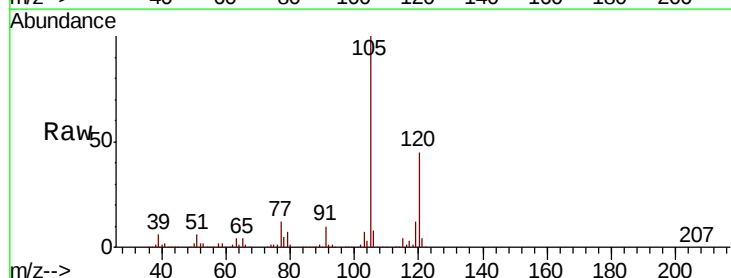
Acq: 30 Oct 2020 15:40

Tgt Ion:105 Resp: 273555

Ion Ratio Lower Upper

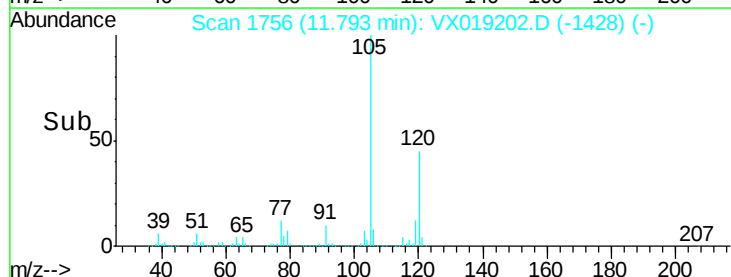
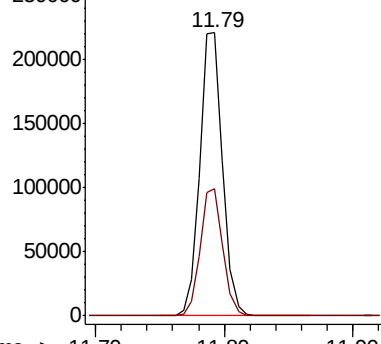
105 100

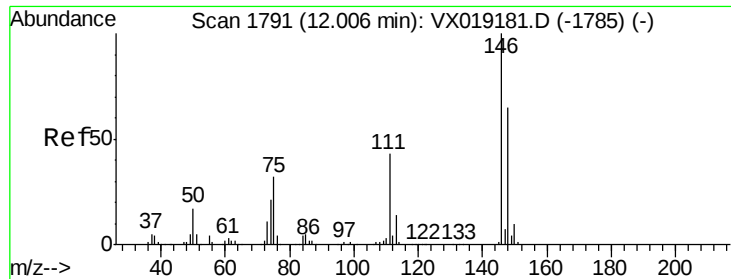
120 44.7 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 4.399 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD005312

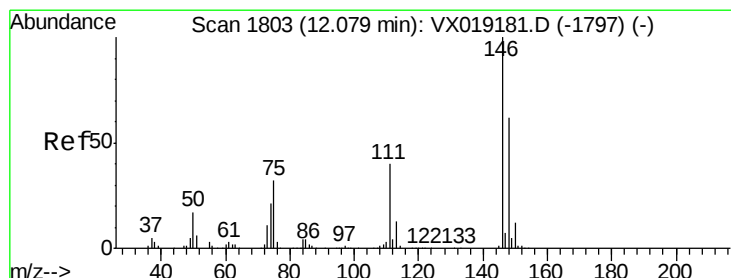
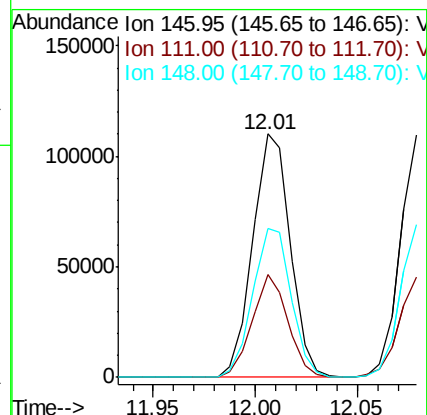
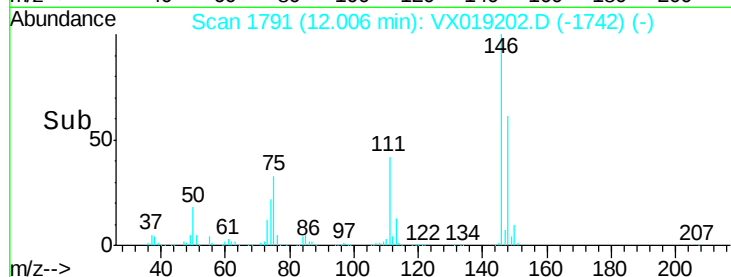
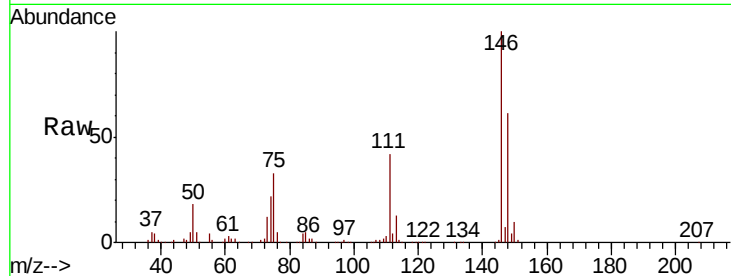
Tot Ion:146 Resp: 141431

Ion Ratio Lower Upper

146 100

111 42.4 27.3 50.7

148 61.1 45.4 84.2



#65

1,4-Dichlorobenzene

Concen: 4.278 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

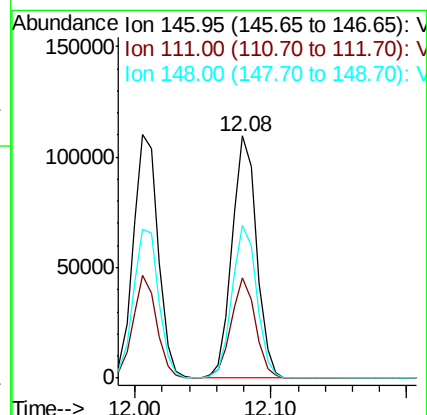
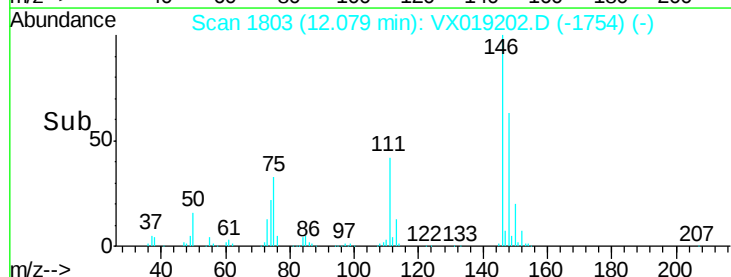
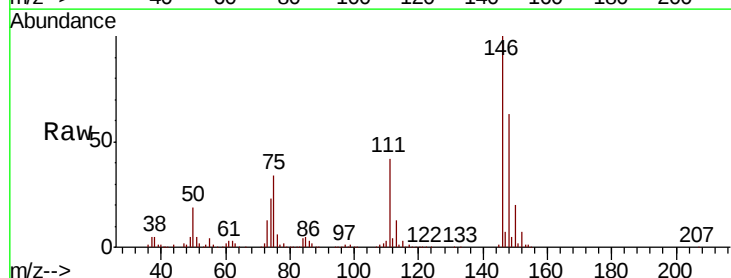
Tgt Ion:146 Resp: 137344

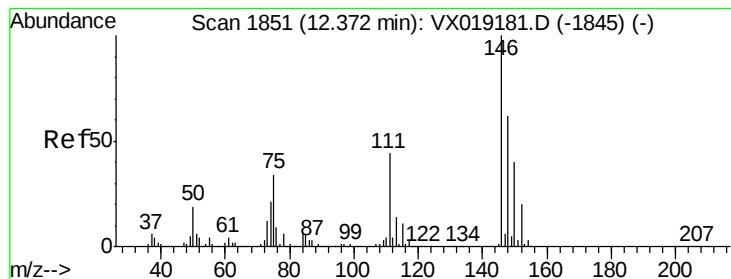
Ion Ratio Lower Upper

146 100

111 41.6 28.1 52.3

148 62.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.265 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampled :

VSTD005312

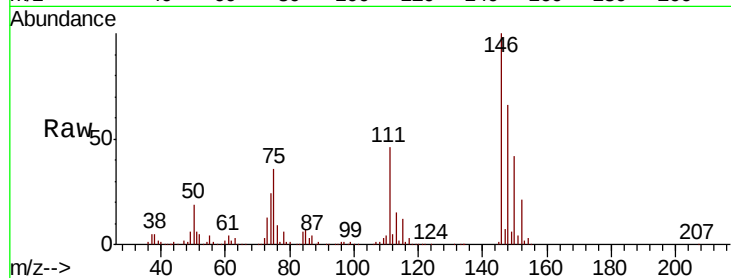
Tot Ion:146 Resp: 126056

Ion Ratio Lower Upper

146 100

111 46.0 32.6 49.0

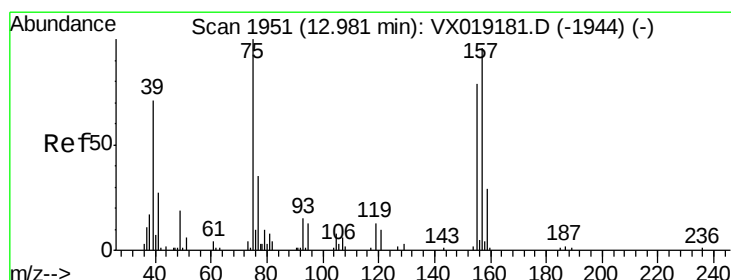
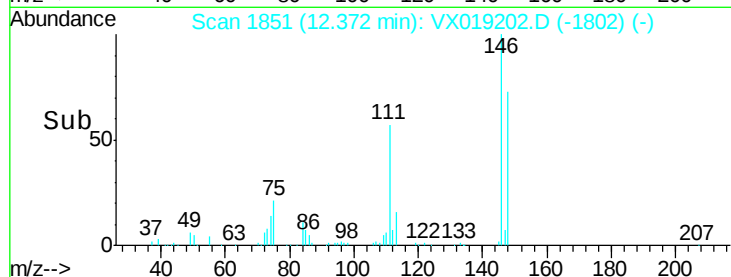
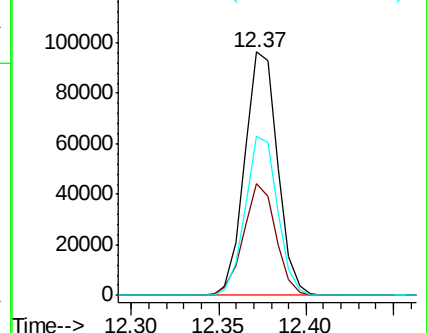
148 65.5 49.4 74.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 4.187 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

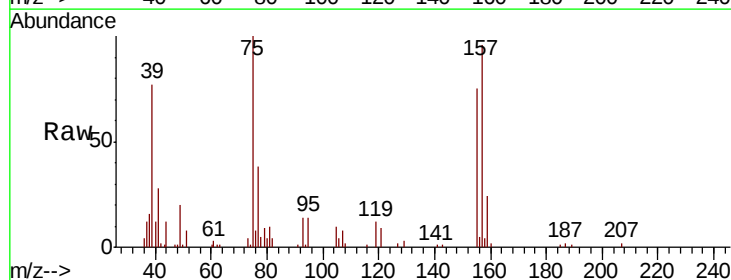
Tgt Ion: 75 Resp: 8466

Ion Ratio Lower Upper

75 100

155 74.7 62.9 94.3

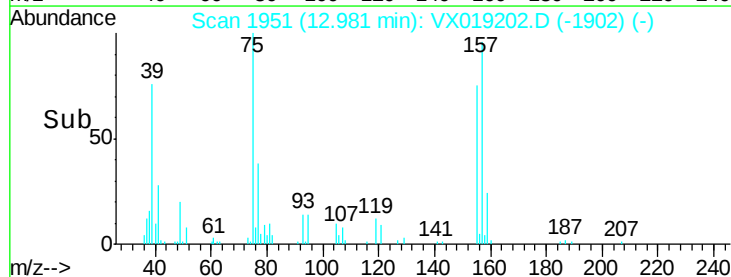
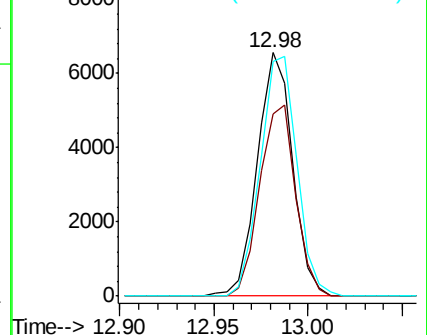
157 96.5 77.5 116.3

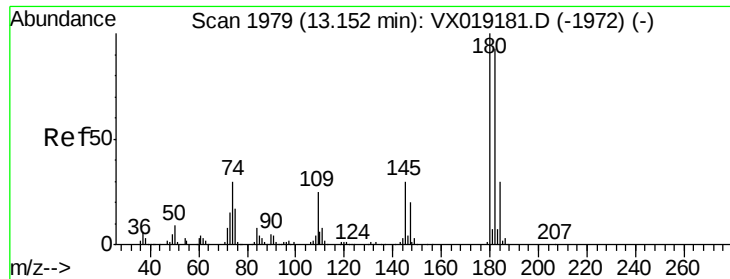


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

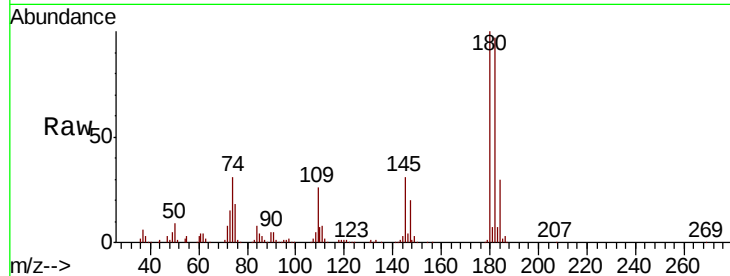




#69
 1,3,5-Trichlorobenzene
 Concen: 4.447 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTD005312

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.1	111.1
184	30.0	24.4	36.6
145	30.7	24.9	37.3

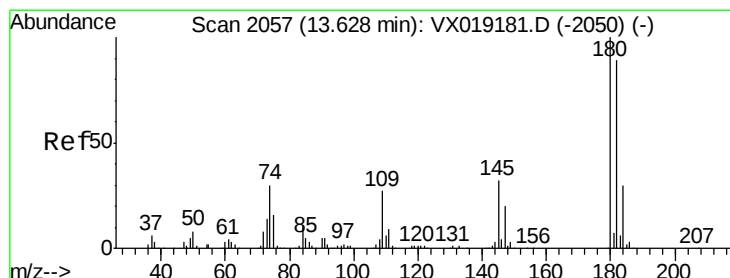
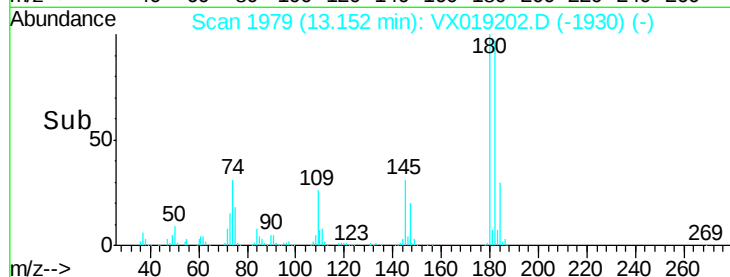
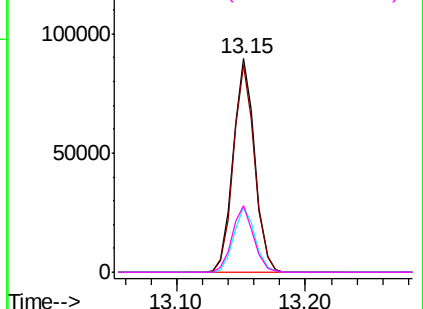


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

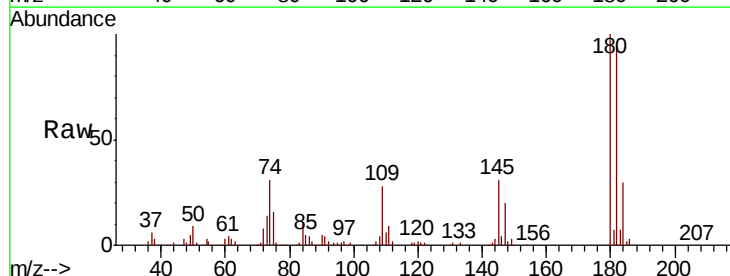
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 4.303 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019202.D
 Acq: 30 Oct 2020 15:40

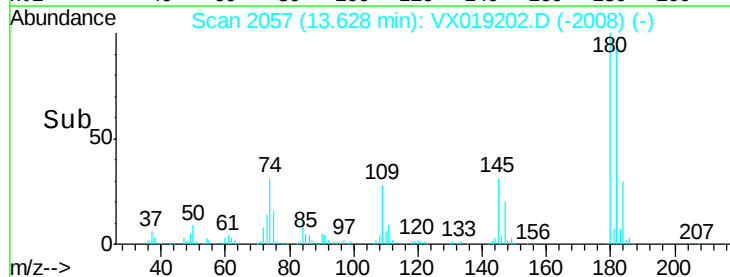
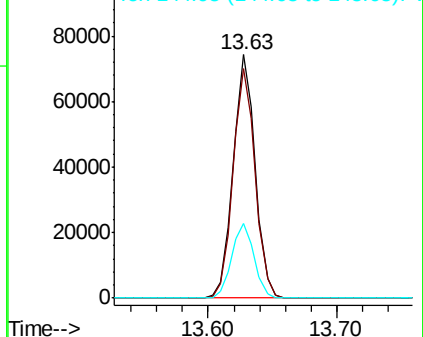
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.8	116.6
145	31.5	25.0	37.4

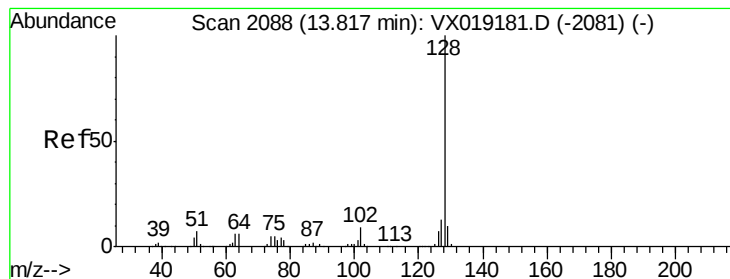


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 4.262 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD005312

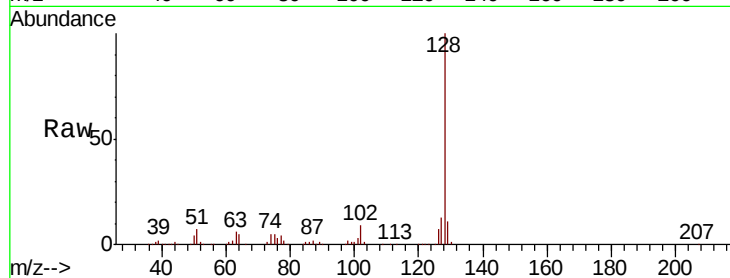
Tot Ion:128 Resp: 157862

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

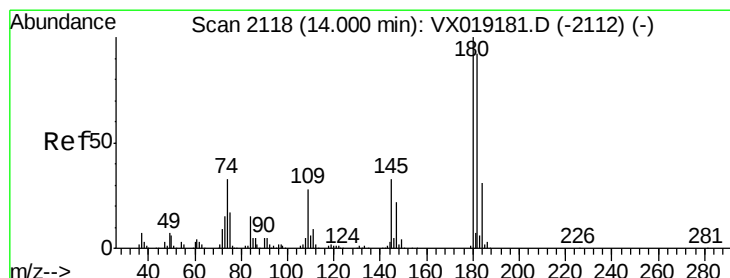
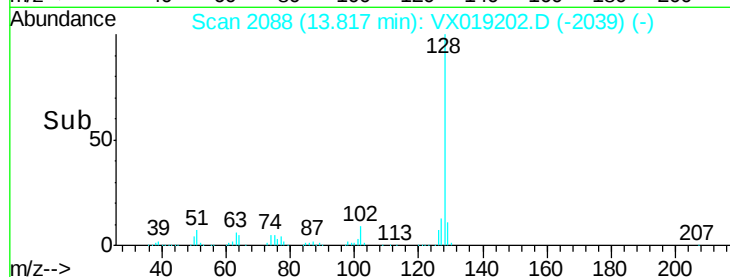
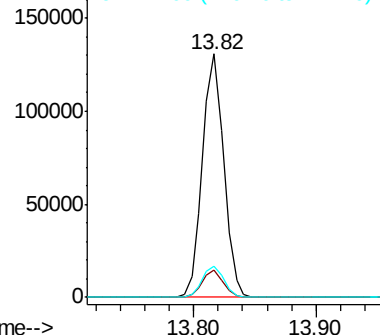
127 12.7 10.1 15.1



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: 4.310 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019202.D

Acq: 30 Oct 2020 15:40

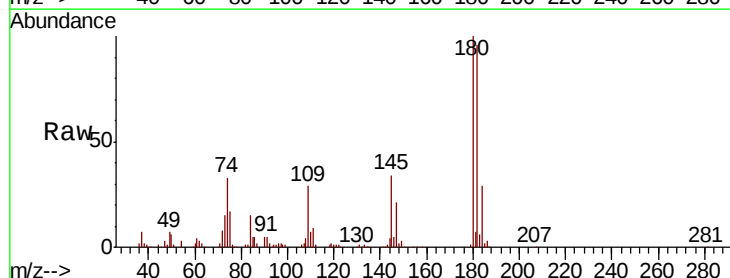
Tgt Ion:180 Resp: 78334

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.4

145 33.7 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

