

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
 Data File : VX019167.D
 Acq On : 28 Oct 2020 16:36
 Operator : JC/MD
 Sample : VSTD01064
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

Quant Time: Oct 29 06:00:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 05:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	204050	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	183561	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	90972	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	144491	10.95	ug/L	0.00
7) Chloroethane-d5	1.70	69	116427	10.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	275661	10.63	ug/L	0.00
20) 2-Butanone-d5	4.56	46	316746	103.98	ug/L	0.00
24) Chloroform-d	5.14	84	268976	10.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	136066	10.17	ug/L	0.00
32) Benzene-d6	6.05	84	537069	10.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	154421	10.63	ug/L	0.00
41) Toluene-d8	8.70	98	509113	10.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	67605	10.76	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	300648	106.37	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	121401	10.84	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	179372	10.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	180673	10.413 ug/L	99
3) Chloromethane	1.31	50	152821	10.205 ug/L	97
5) Vinyl chloride	1.39	62	173421	10.275 ug/L	98
6) Bromomethane	1.64	94	110730	10.352 ug/L	96
8) Chloroethane	1.71	64	104143	10.257 ug/L	99
9) Trichlorofluoromethane	1.92	101	252919	10.347 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	146657	10.500 ug/L	99
12) 1,1-Dichloroethene	2.36	96	139307	10.259 ug/L	99
13) Acetone	2.46	43	177092	101.756 ug/L	100
14) Carbon disulfide	2.55	76	430652	10.527 ug/L	100
15) Methyl Acetate	2.76	43	47940	10.086 ug/L	98
16) Methylene chloride	2.83	84	140362	10.003 ug/L	96
17) Methyl tert-butyl Ether	3.17	73	334121	10.243 ug/L	99
18) trans-1,2-Dichloroethene	3.14	96	147365	10.433 ug/L	97
19) 1,1-Dichloroethane	3.67	63	249391	10.300 ug/L	100
21) 2-Butanone	4.66	43	299411	98.264 ug/L	97
22) cis-1,2-Dichloroethene	4.56	96	156464	10.501 ug/L	98
23) Bromochloromethane	4.98	128	65591	10.291 ug/L	97
25) Chloroform	5.17	83	261457	10.492 ug/L	93
27) 1,2-Dichloroethane	6.16	62	163187	10.287 ug/L	98
29) 1,1,1-Trichloroethane	5.46	97	243754	10.441 ug/L	100
30) Cyclohexane	5.55	56	240855	10.445 ug/L	99
31) Carbon tetrachloride	5.75	117	210557	10.717 ug/L	99
33) Benzene	6.11	78	582621	10.331 ug/L	100
34) Trichloroethene	7.18	95	157375	10.233 ug/L	99
35) Methylcyclohexane	7.44	83	260362	10.543 ug/L	100
37) 1,2-Dichloropropane	7.49	63	136930	10.206 ug/L	100
38) Bromodichloromethane	7.87	83	183451	10.609 ug/L	99
39) cis-1,3-Dichloropropene	8.41	75	217437	10.596 ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	747520	101.812 ug/L	99

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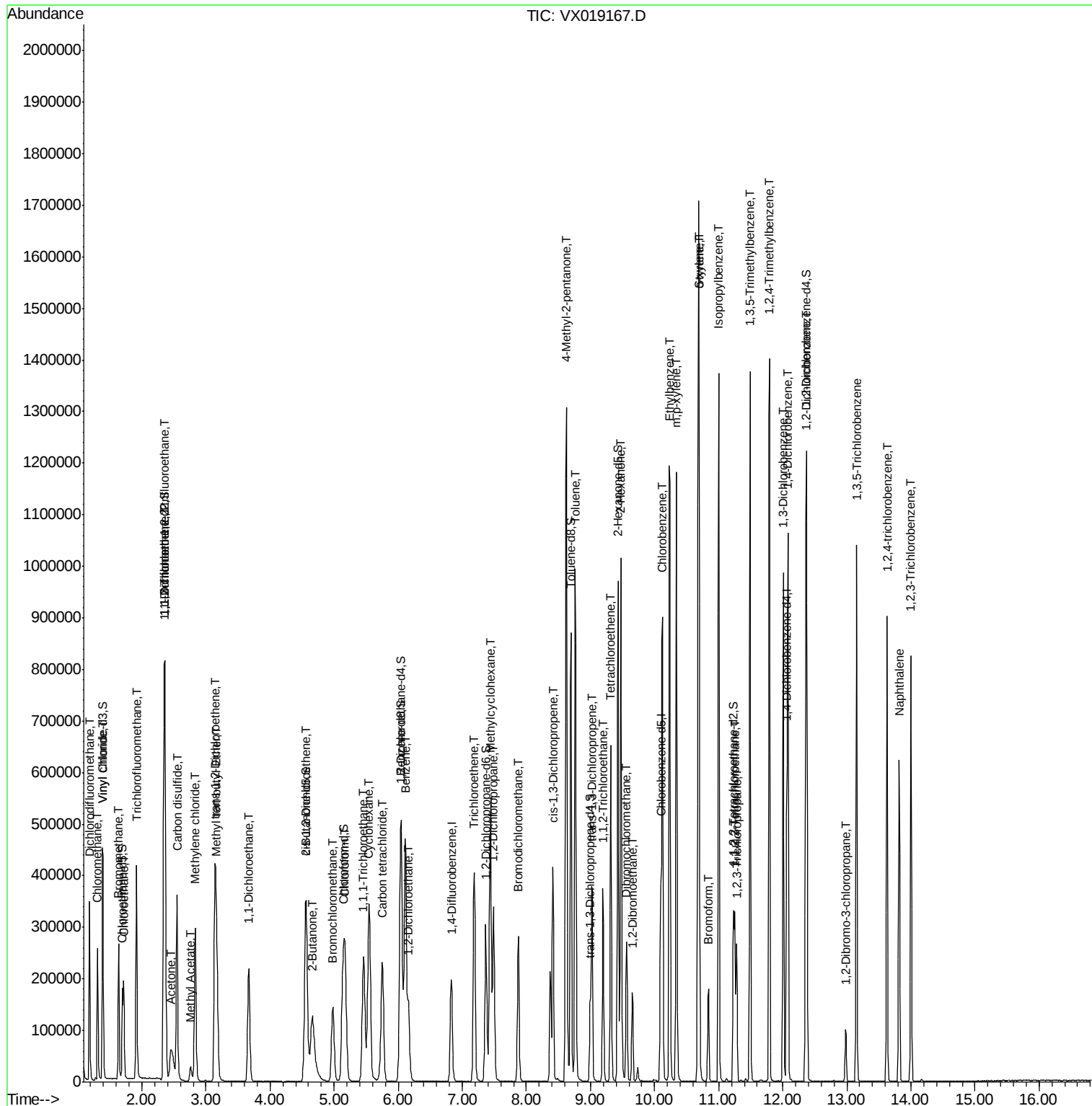
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	638376	10.410	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	183073	10.515	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	99321	10.097	ug/L	99
47) Tetrachloroethene	9.32	164	121980	10.395	ug/L	97
48) 2-Hexanone	9.48	43	531458	102.938	ug/L	99
49) Dibromochloromethane	9.57	129	119970	10.627	ug/L	98
50) 1,2-Dibromoethane	9.65	107	94880	10.399	ug/L	96
51) Chlorobenzene	10.12	112	400218	10.462	ug/L	99
52) Ethylbenzene	10.23	91	716512	10.476	ug/L	99
53) m,p-xylene	10.34	106	273812	10.406	ug/L	96
54) o-xylene	10.68	106	265407	10.512	ug/L	96
55) Styrene	10.70	104	447469	10.746	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	117528	10.439	ug/L	99
59) Bromoform	10.84	173	65216	10.512	ug/L	99
60) Isopropylbenzene	11.00	105	718027	10.371	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	85770	9.990	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	611123	10.417	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	619393	10.420	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	318991	10.280	ug/L	95
65) 1,4-Dichlorobenzene	12.08	146	317729	10.511	ug/L	98
67) 1,2-Dichlorobenzene	12.38	146	285147	10.058	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	19981	10.084	ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	242646	10.477	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	206777	10.494	ug/L	98
71) Naphthalene	13.82	128	383447	10.449	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	185978	10.617	ug/L	98

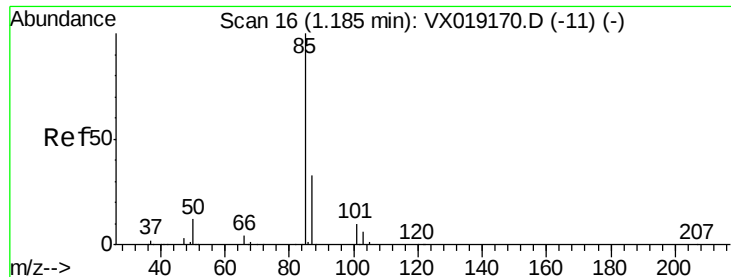
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.413 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

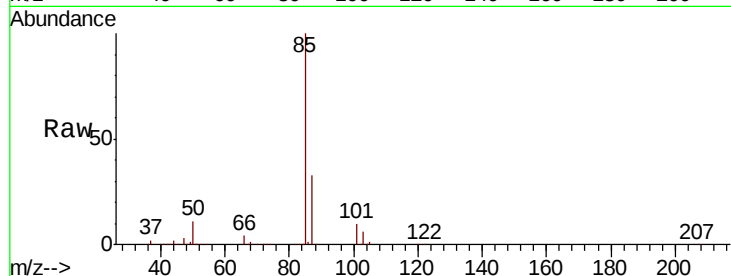
VSTD010304

Tot Ion: 85 Resp: 180673

Ion Ratio Lower Upper

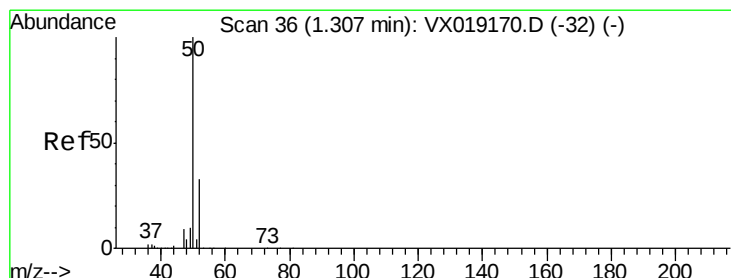
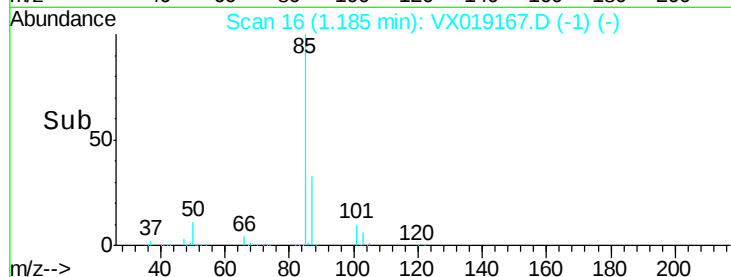
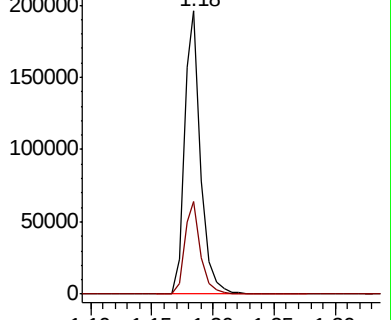
85 100

87 32.2 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: 10.205 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX019167.D

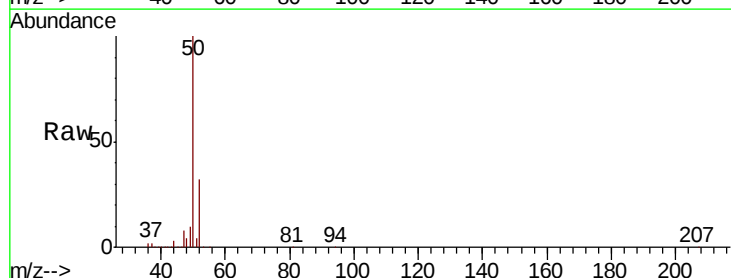
Acq: 28 Oct 2020 16:36

Tgt Ion: 50 Resp: 152821

Ion Ratio Lower Upper

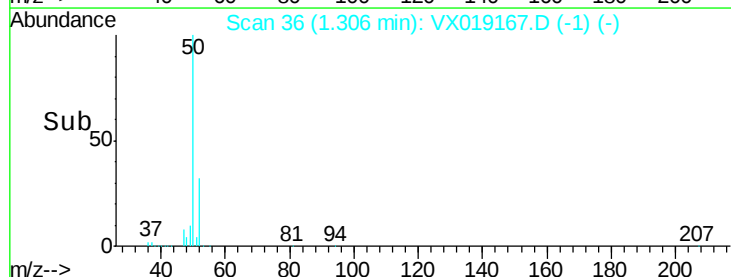
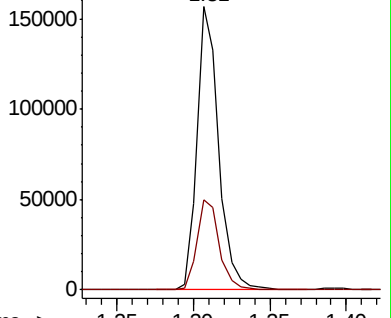
50 100

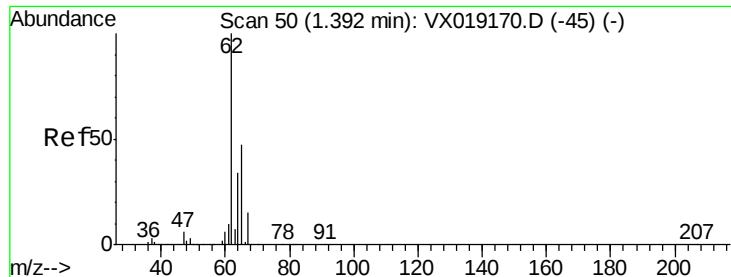
52 32.0 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 10.275 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

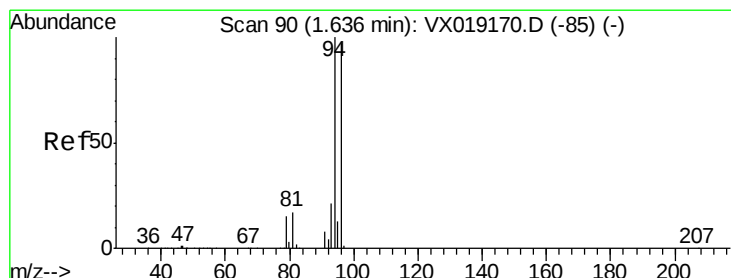
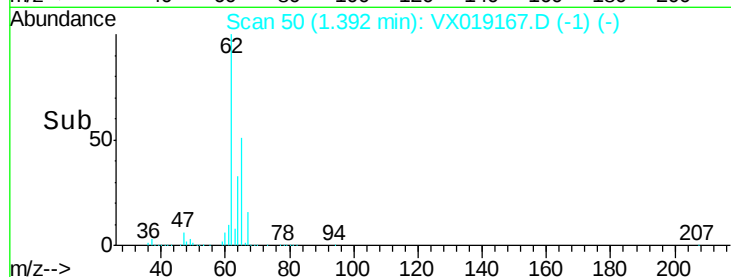
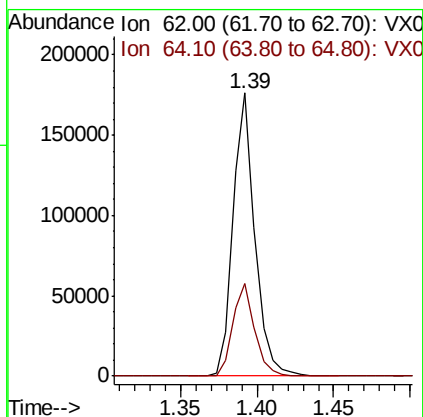
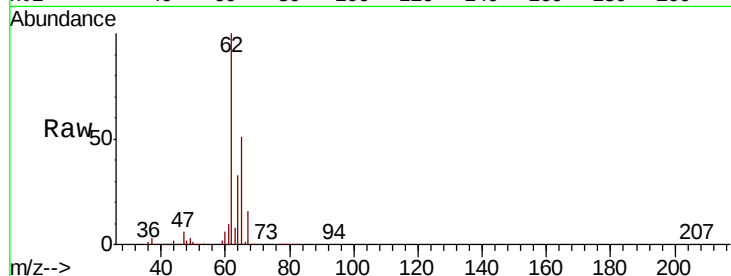
VSTD010304

Tot Ion: 62 Resp: 173421

Ion Ratio Lower Upper

62 100

64 32.6 23.5 43.7



#6

Bromomethane

Concen: 10.352 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019167.D

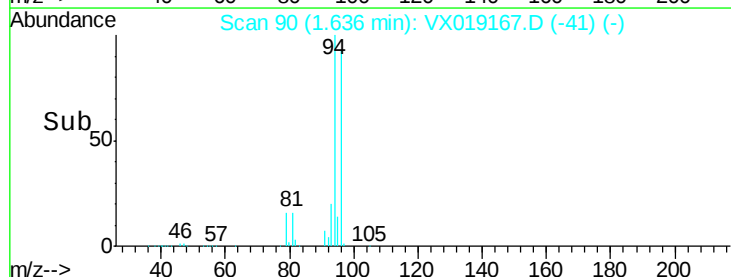
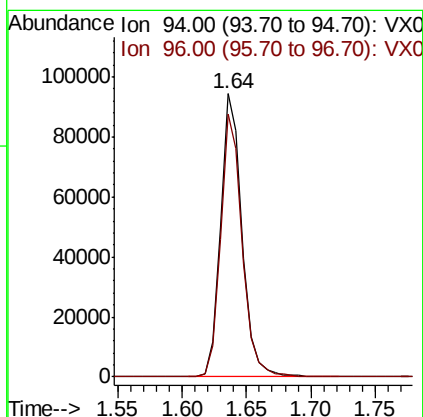
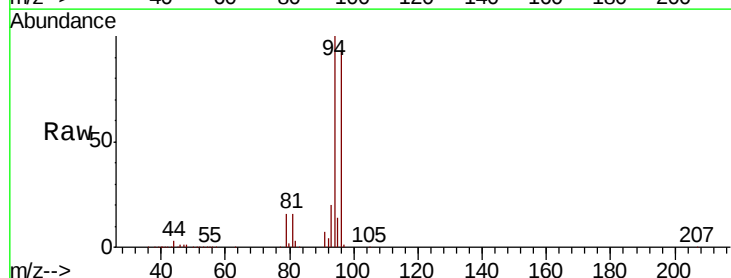
Acq: 28 Oct 2020 16:36

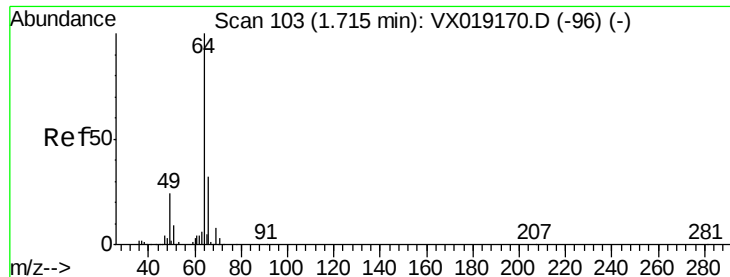
Tgt Ion: 94 Resp: 110730

Ion Ratio Lower Upper

94 100

96 93.0 67.9 126.1





#8

Chloroethane

Concen: 10.257 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

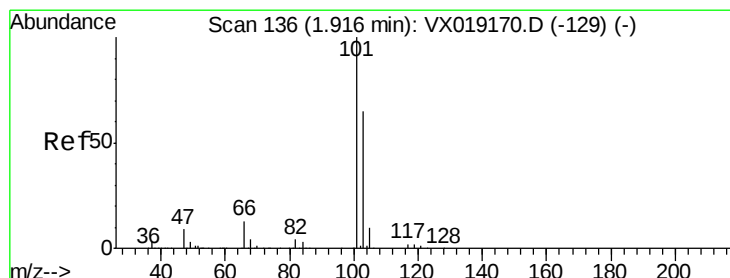
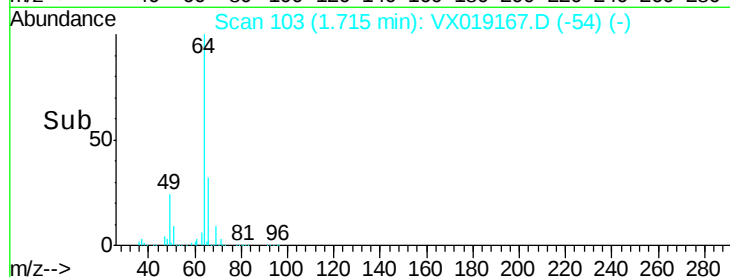
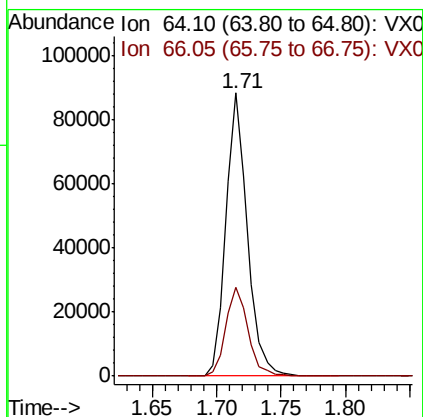
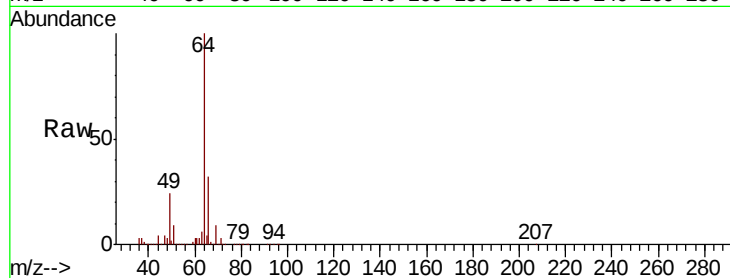
VSTD010304

Tot Ion: 64 Resp: 104143

Ion Ratio Lower Upper

64 100

66 31.6 22.7 42.1



#9

Trichlorofluoromethane

Concen: 10.347 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019167.D

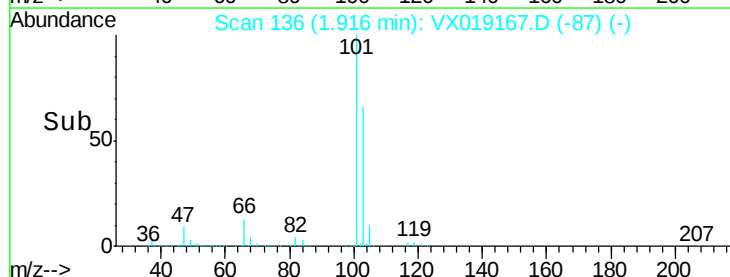
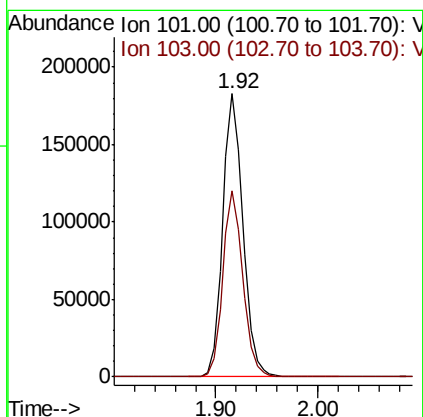
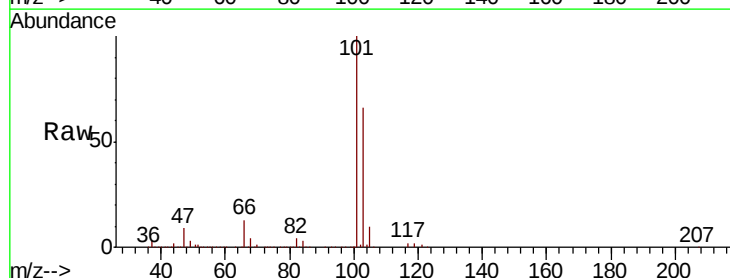
Acq: 28 Oct 2020 16:36

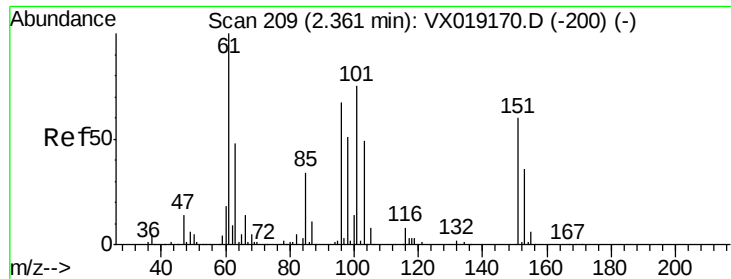
Tgt Ion: 101 Resp: 252919

Ion Ratio Lower Upper

101 100

103 65.0 51.9 77.9





#10

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

Concen: 10.500 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

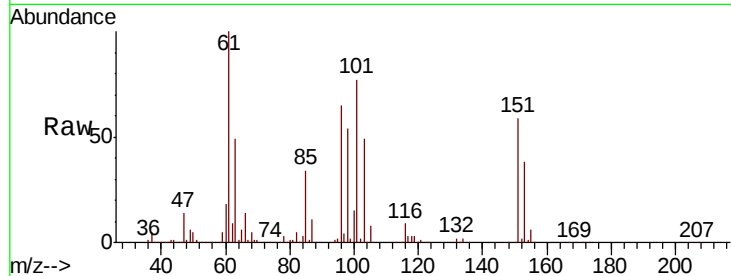
Tot Ion:101 Resp: 146657

Ion Ratio Lower Upper

101 100

85 43.6 35.3 52.9

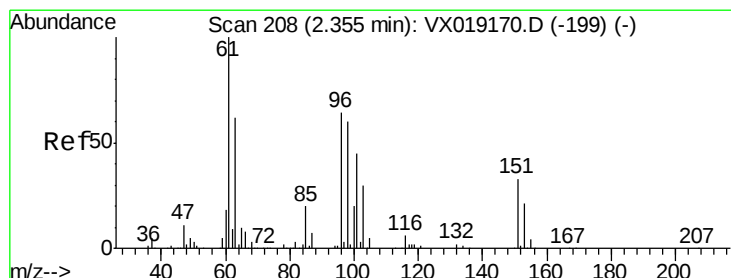
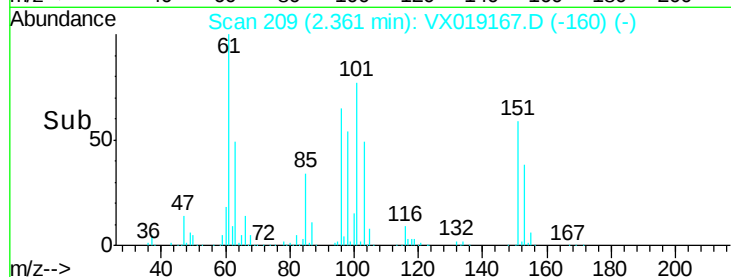
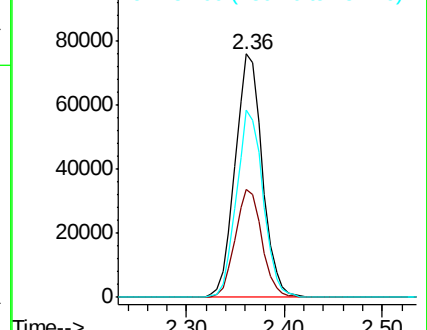
151 75.5 60.9 91.3



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: 10.259 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

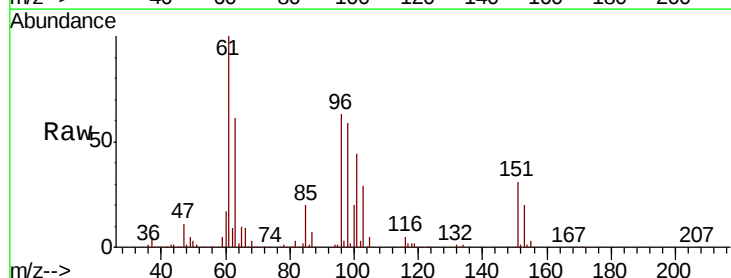
Tgt Ion: 96 Resp: 139307

Ion Ratio Lower Upper

96 100

61 158.9 109.5 203.3

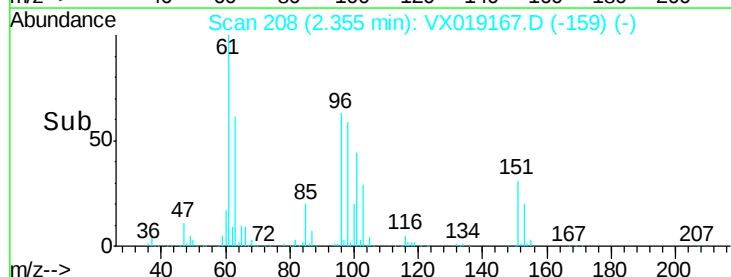
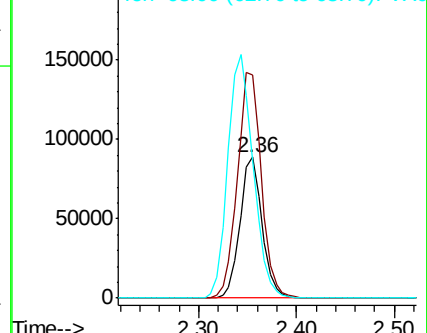
63 97.4 68.3 126.9

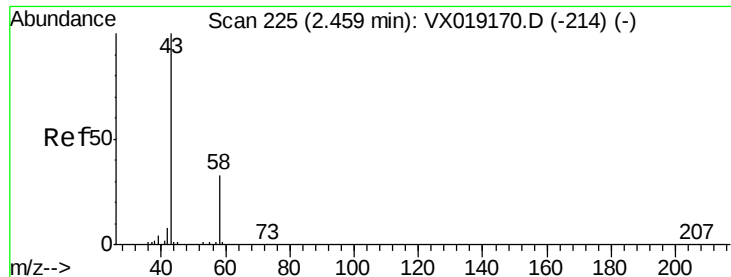


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 101.756 ug/L

RT: 2.46 min Scan# 225

Delta R.T. -0.00 min

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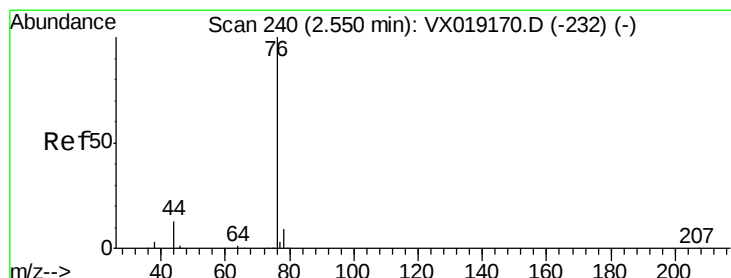
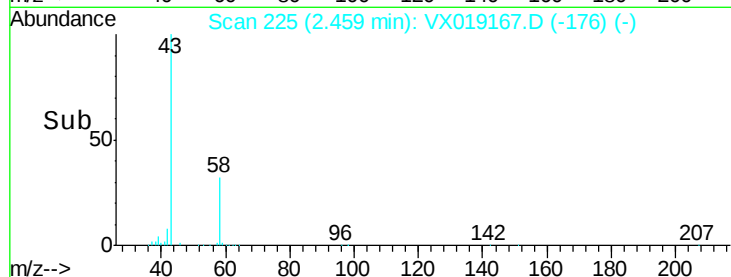
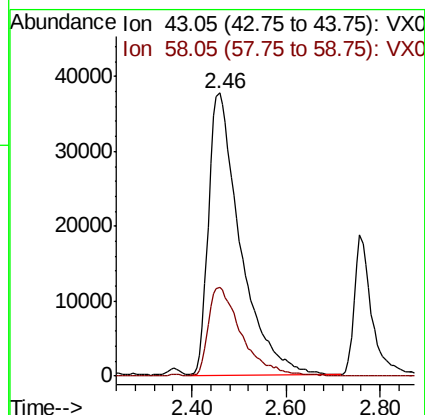
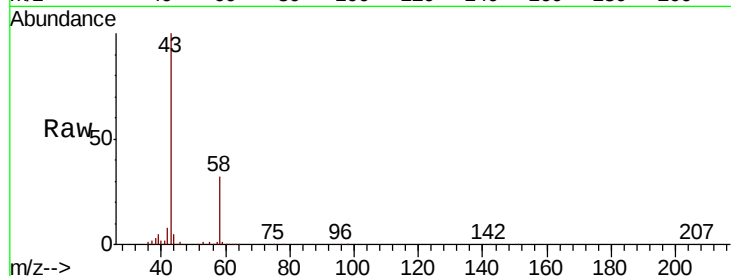
VSTD010304

Tot Ion: 43 Resp: 177092

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.4



#14

Carbon disulfide

Concen: 10.527 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019167.D

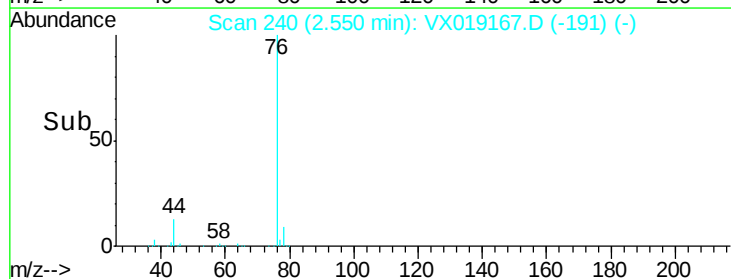
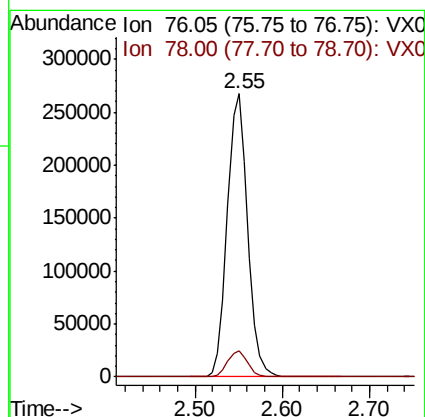
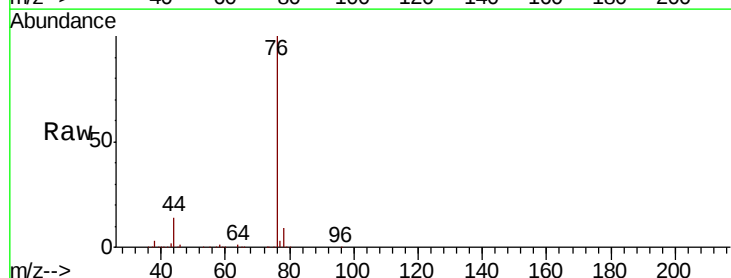
Acq: 28 Oct 2020 16:36

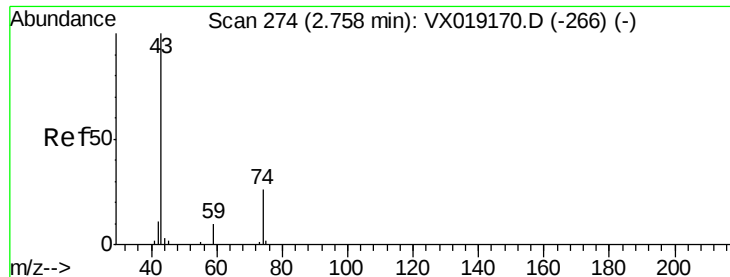
Tgt Ion: 76 Resp: 430652

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#15

Methyl Acetate

Concen: 10.086 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.00 min

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Acq: 28 Oct 2020 16:36

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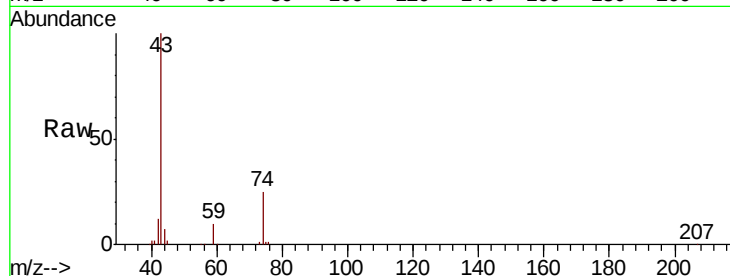
VSTD010304

Tot Ion: 43 Resp: 47940

Ion Ratio Lower Upper

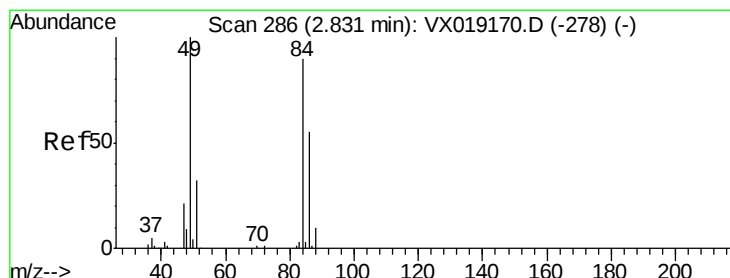
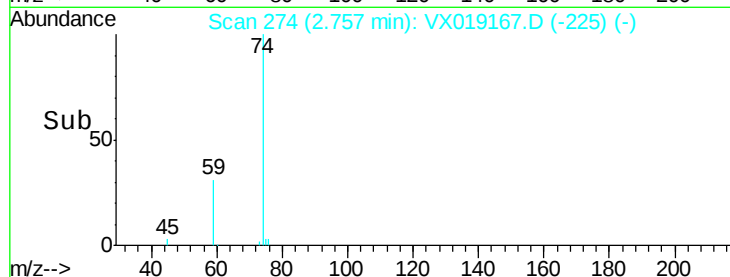
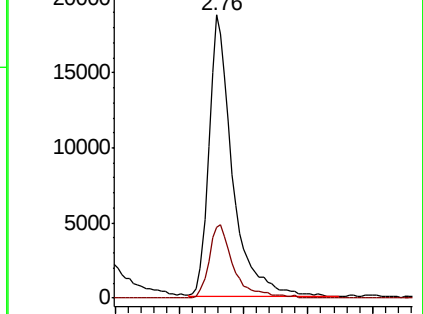
43 100

74 27.0 22.3 33.5



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 10.003 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

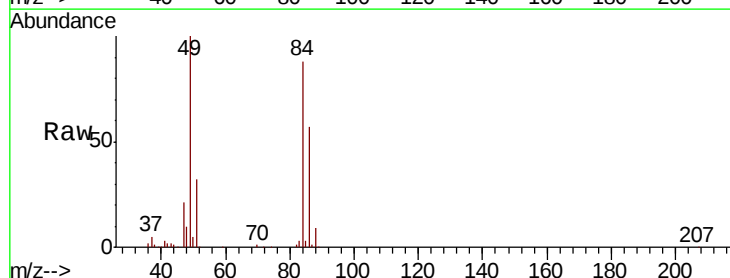
Tgt Ion: 84 Resp: 140362

Ion Ratio Lower Upper

84 100

86 64.7 42.2 78.4

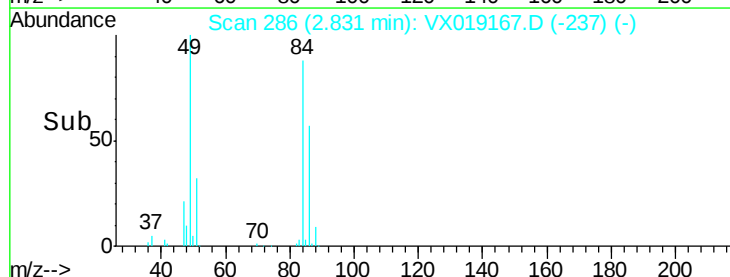
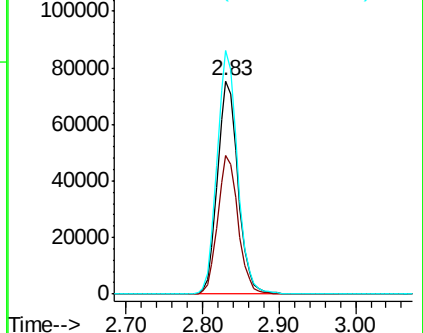
49 114.1 77.5 143.9

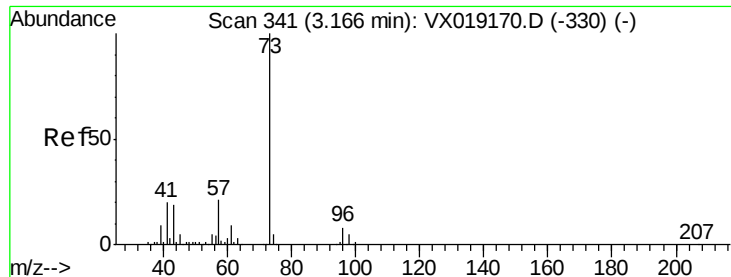


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

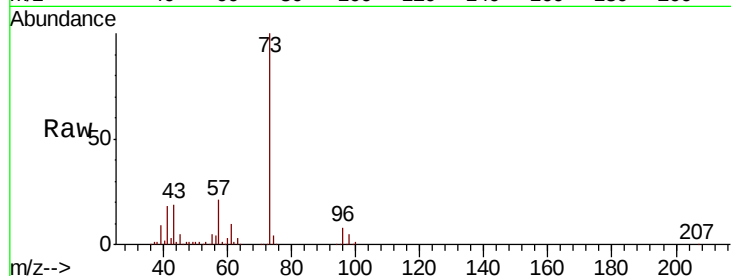




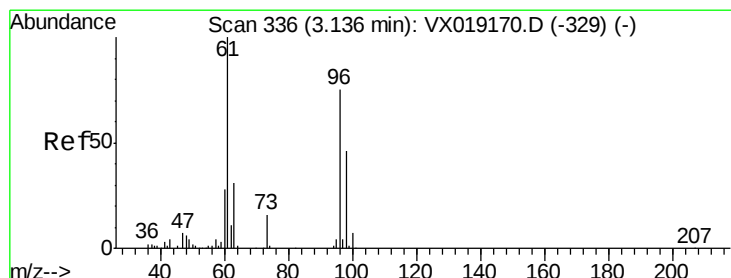
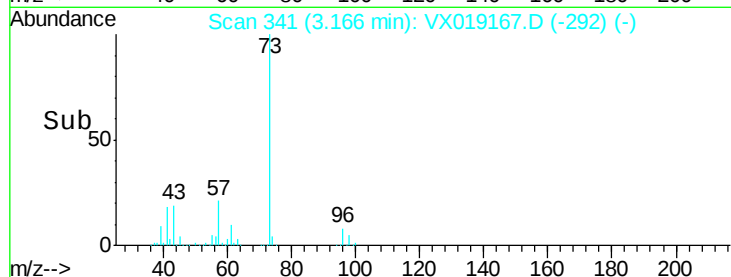
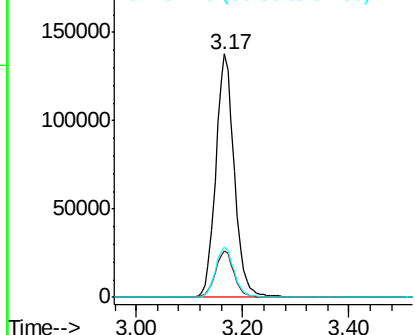
#17
Methvl tert-butvl Ether
Concen: 10.243 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion: 73 Resp: 334121
Ion Ratio Lower Upper
73 100
43 19.2 16.1 24.1
57 20.7 16.8 25.2

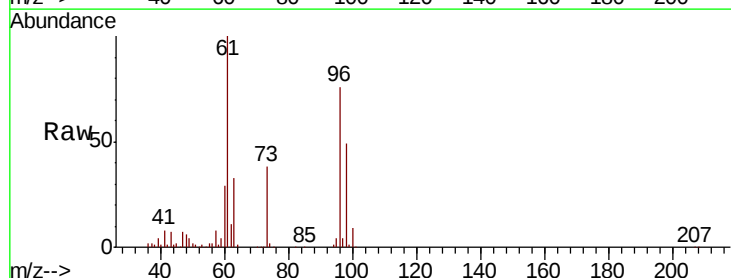


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

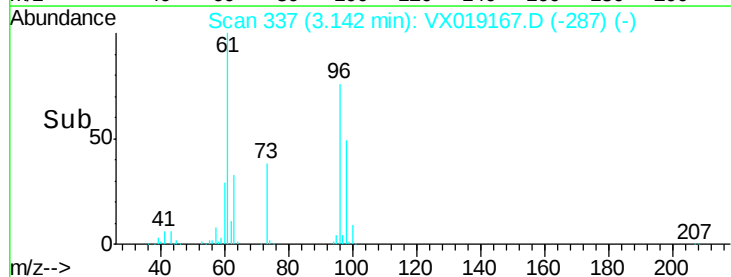
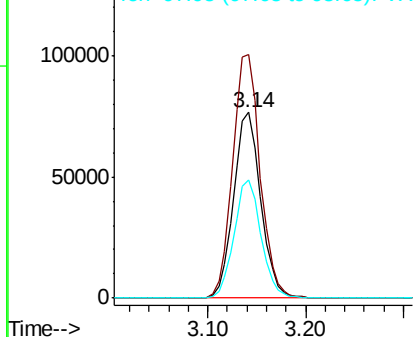


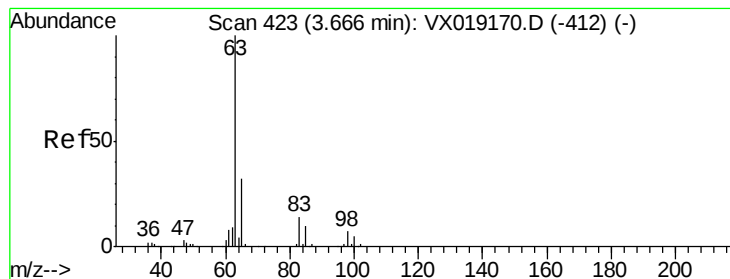
#18
trans-1,2-Dichloroethene
Concen: 10.433 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

Tgt Ion: 96 Resp: 147365
Ion Ratio Lower Upper
96 100
61 131.2 93.7 173.9
98 63.8 42.8 79.6



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 97.95 (97.65 to 98.65): VX0





#19

1,1-Dichloroethane

Concen: 10.300 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

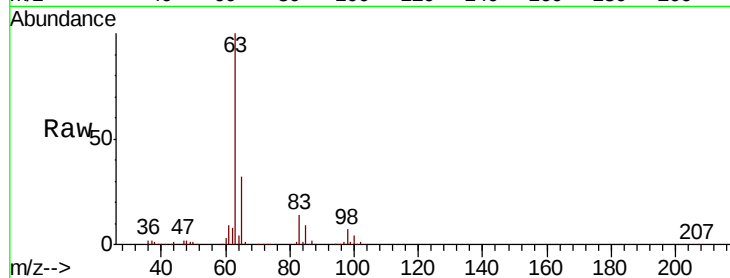
Tot Ion: 63 Resp: 249391

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.9

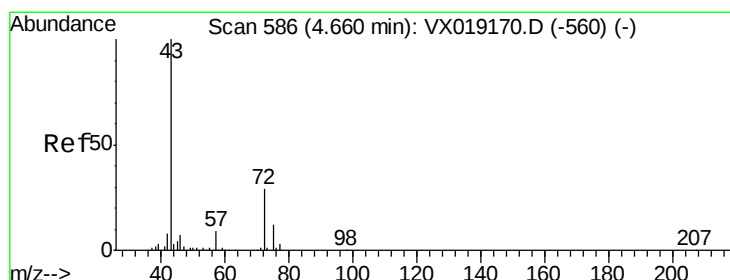
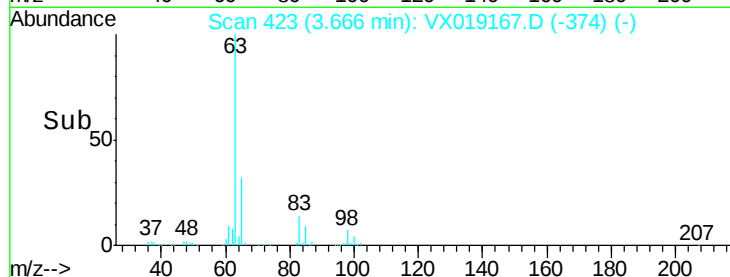
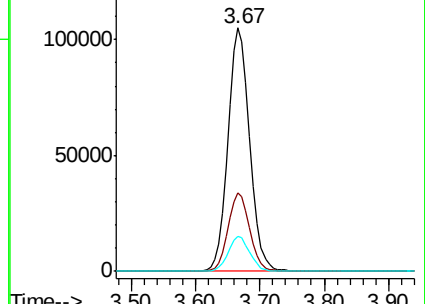
83 14.2 9.7 17.9



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: 98.264 ug/L

RT: 4.66 min Scan# 586

Delta R.T. -0.00 min

Lab File: VX019167.D

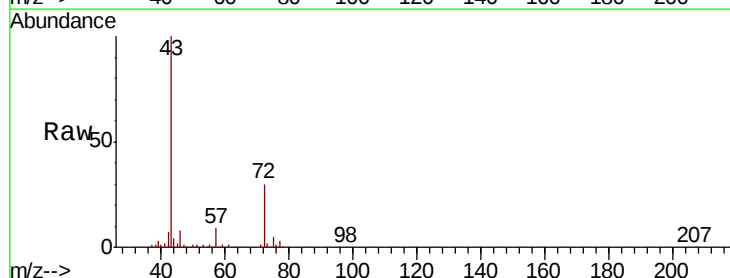
Acq: 28 Oct 2020 16:36

Tgt Ion: 43 Resp: 299411

Ion Ratio Lower Upper

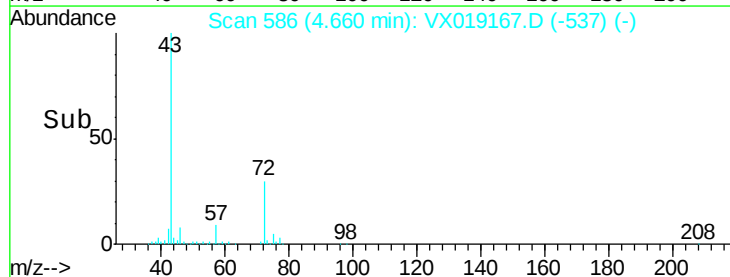
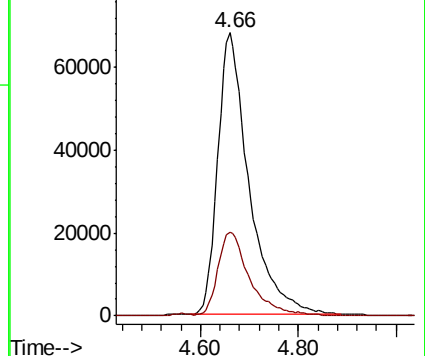
43 100

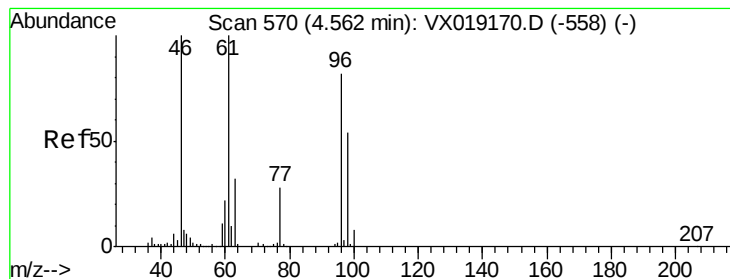
72 30.3 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 72.10 (71.80 to 72.80): VX0



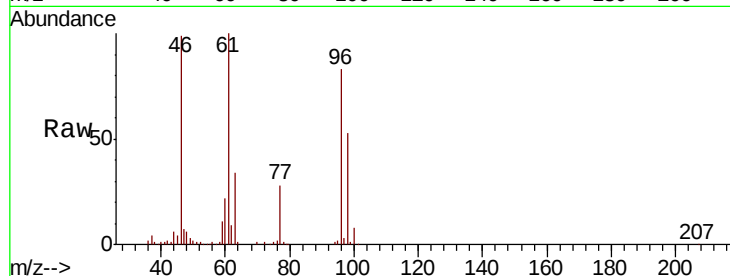


#22

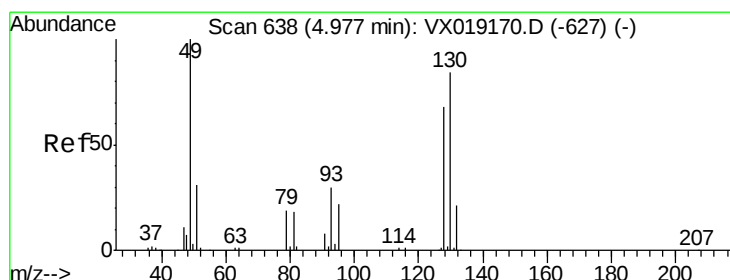
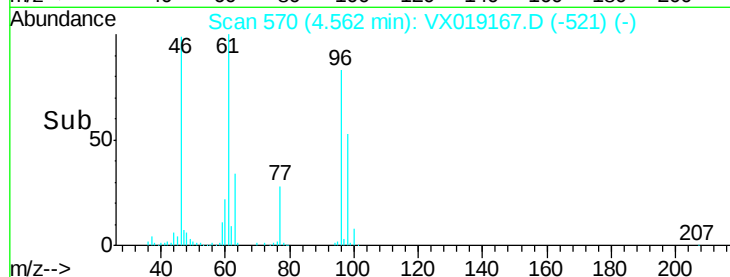
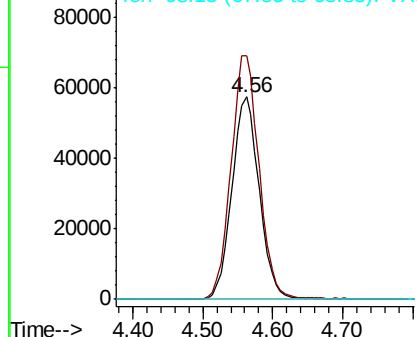
cis-1,2-Dichloroethene
Concen: 10.501 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion: 96 Resp: 156464
Ion Ratio Lower Upper
96 100
61 120.3 85.7 159.1
68 0.0 0.0 0.0



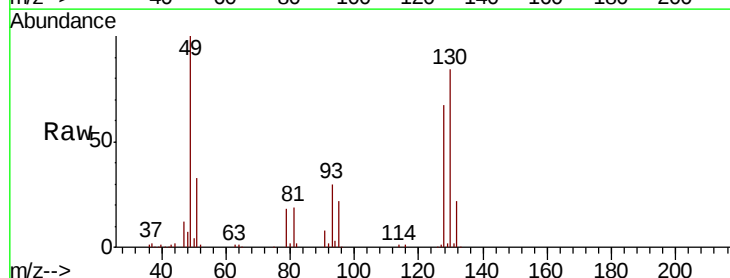
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



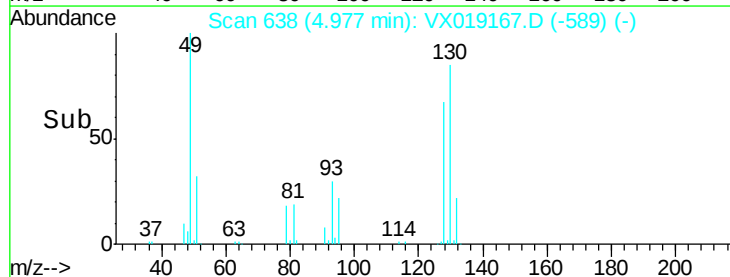
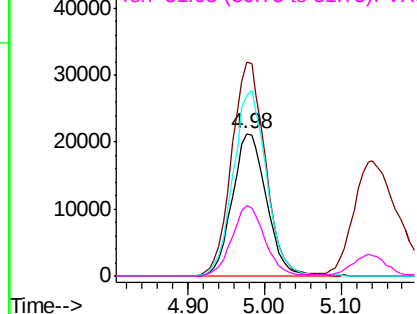
#23

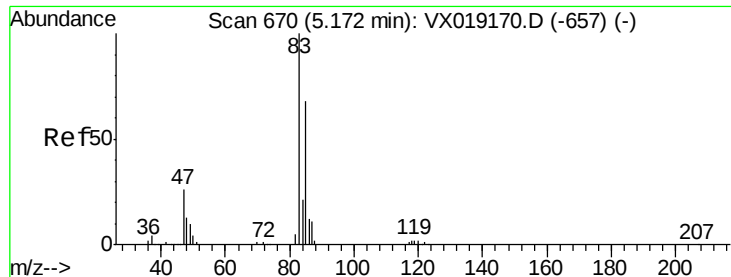
Bromochloromethane
Concen: 10.291 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

Tgt Ion: 128 Resp: 65591
Ion Ratio Lower Upper
128 100
49 150.1 102.8 191.0
130 126.5 86.3 160.3
51 49.2 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: 10.492 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

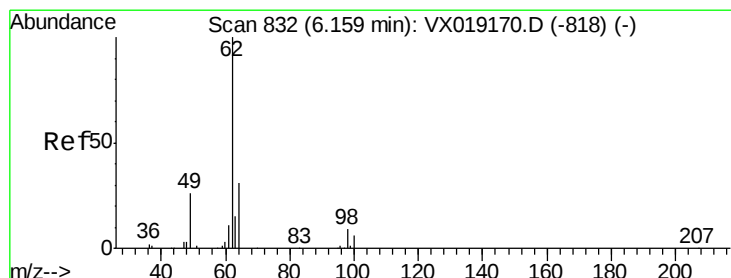
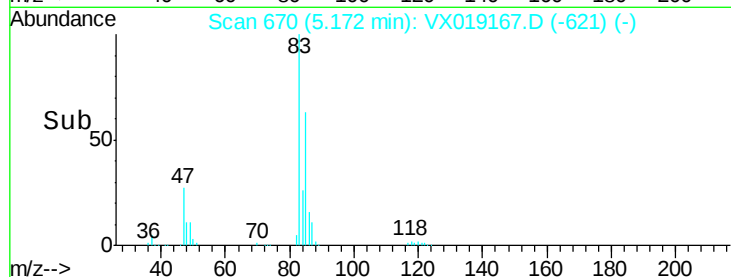
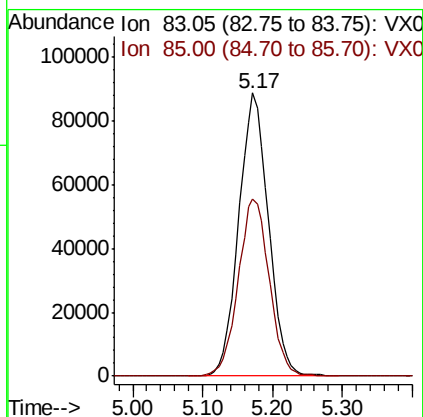
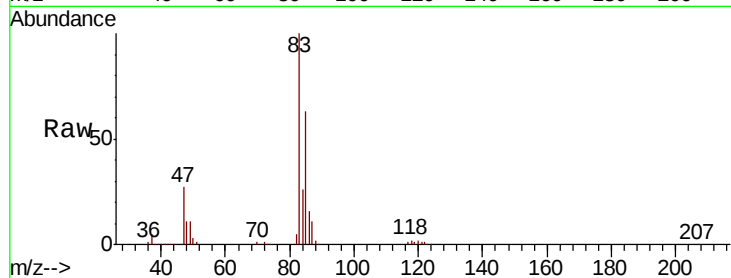
VSTD010304

Tot Ion: 83 Resp: 261457

Ion Ratio Lower Upper

83 100

85 62.6 47.6 88.4



#27

1,2-Dichloroethane

Concen: 10.287 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX019167.D

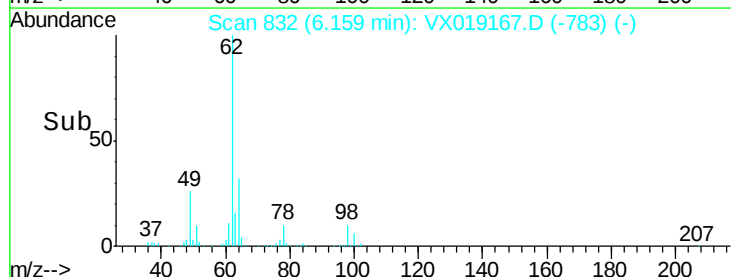
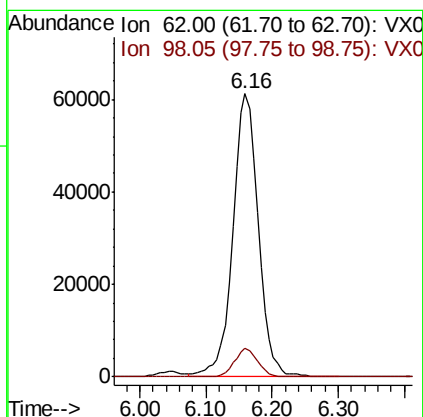
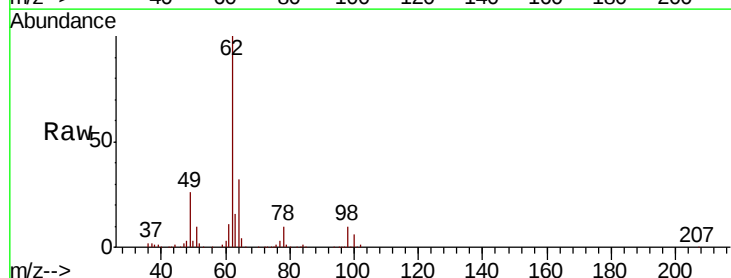
Acq: 28 Oct 2020 16:36

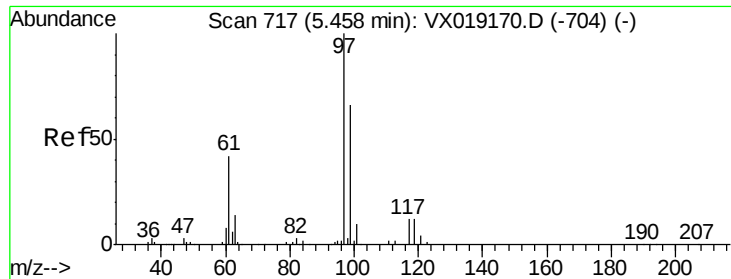
Tgt Ion: 62 Resp: 163187

Ion Ratio Lower Upper

62 100

98 10.0 7.4 11.0

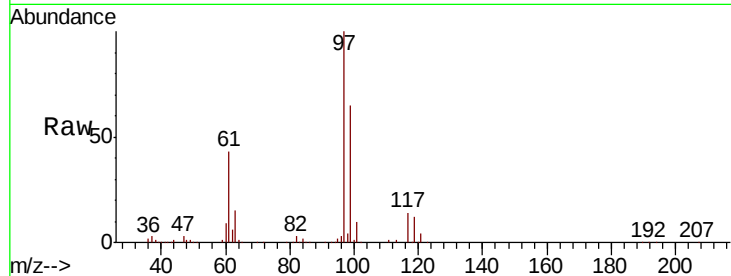




#29
 1,1,1-Trichloroethane
 Concen: 10.441 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTD010304

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	43.2	34.5	51.7

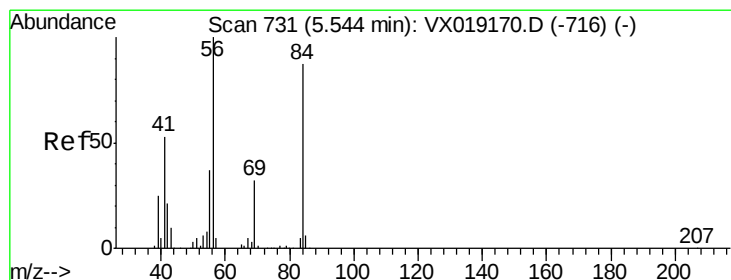
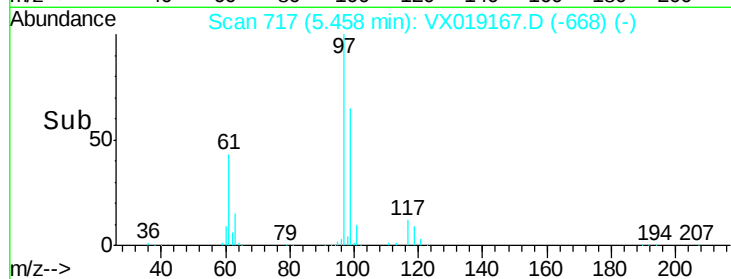
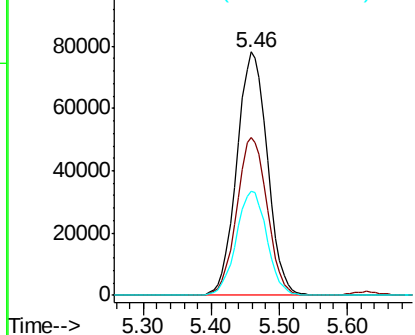


Abundance

Ion 96.95 (96.65 to 97.65): VX0

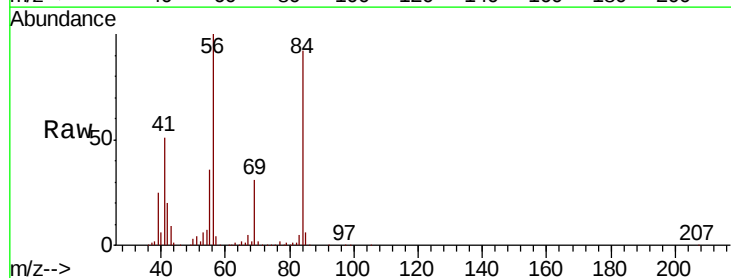
Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30
 Cyclohexane
 Concen: 10.445 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.2	39.2
84	93.8	74.5	111.7

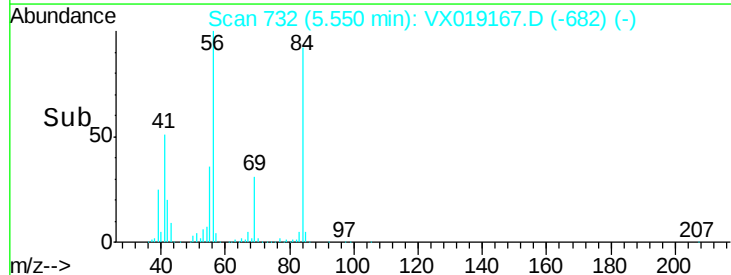
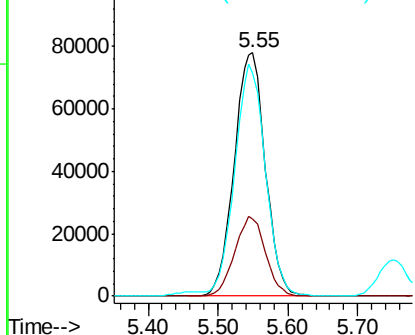


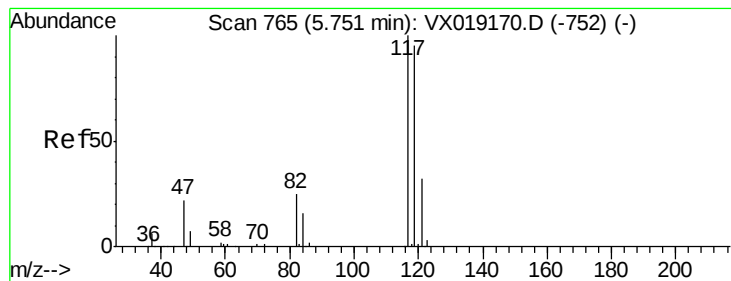
Abundance

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: 10.717 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

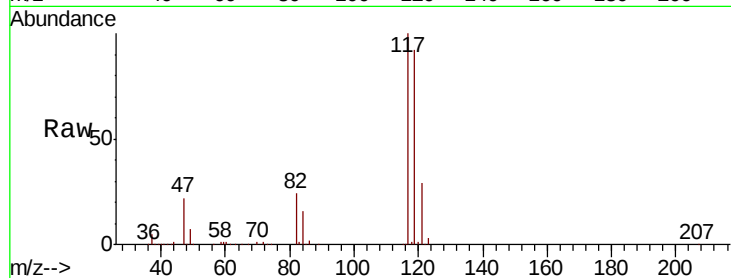
VSTD010304

Tot Ion:117 Resp: 210557

Ion Ratio Lower Upper

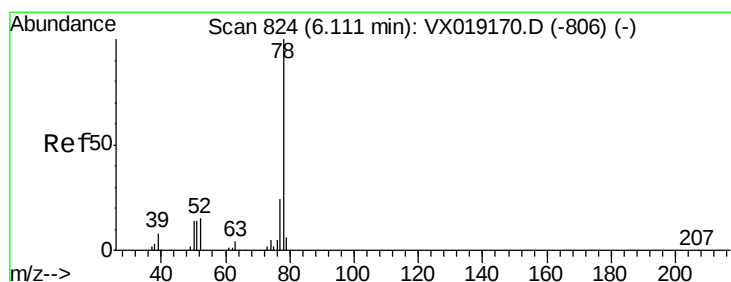
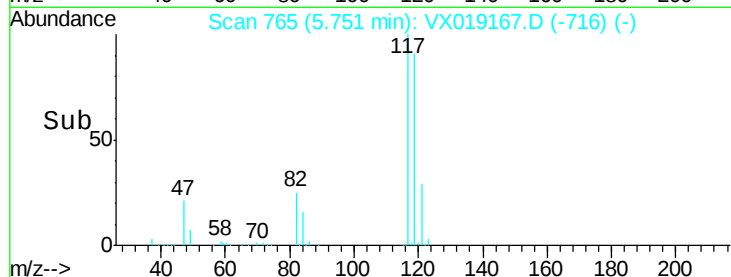
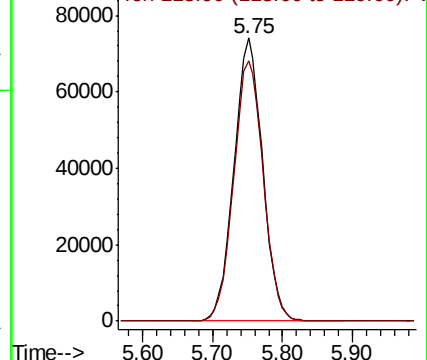
117 100

119 95.1 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: 10.331 ug/L

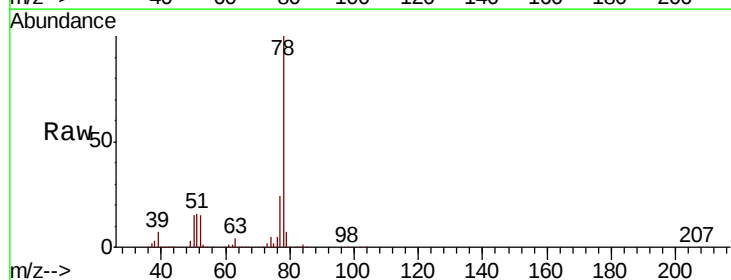
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

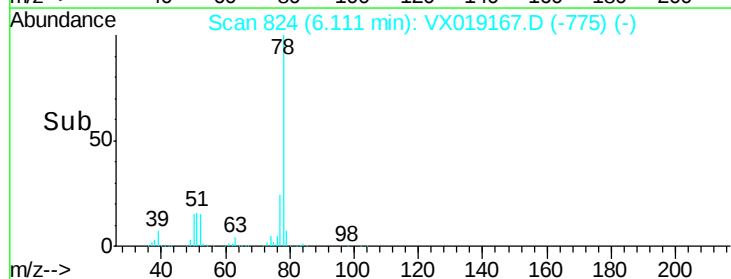
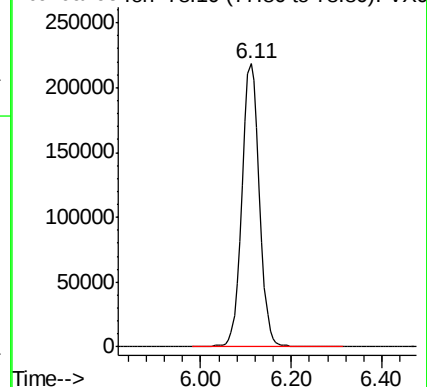
Lab File: VX019167.D

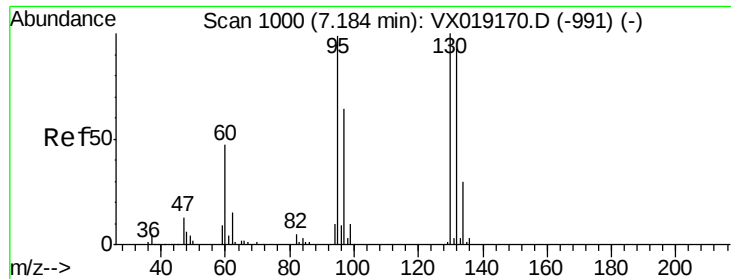
Acq: 28 Oct 2020 16:36

Tgt Ion: 78 Resp: 582621



Abundance Ion 78.10 (77.80 to 78.80): VX0

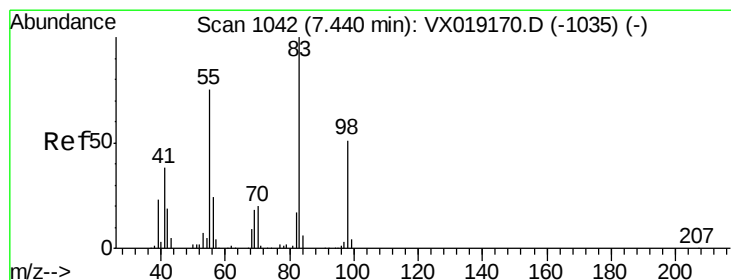
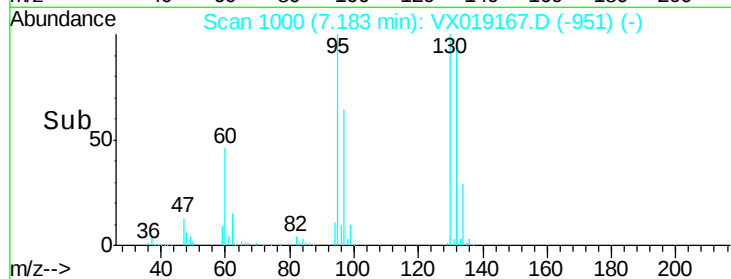
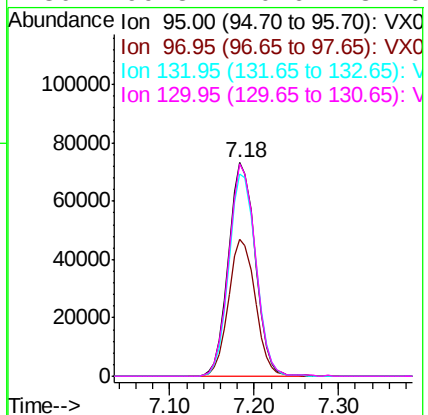
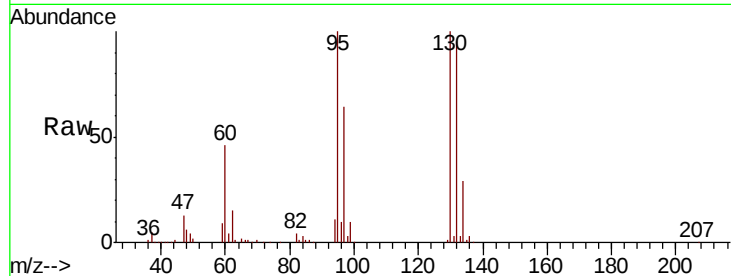




#34
 Trichloroethene
 Concen: 10.233 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

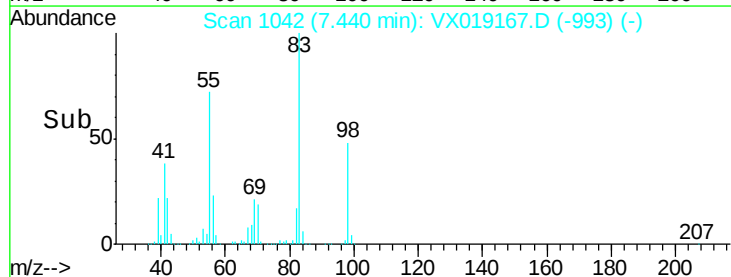
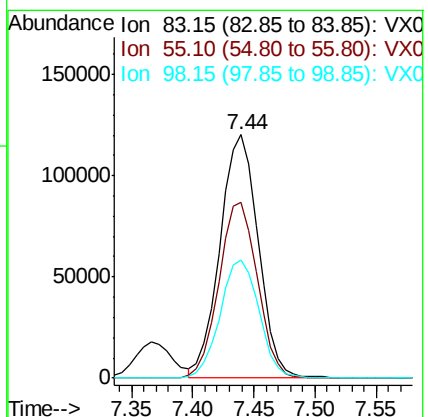
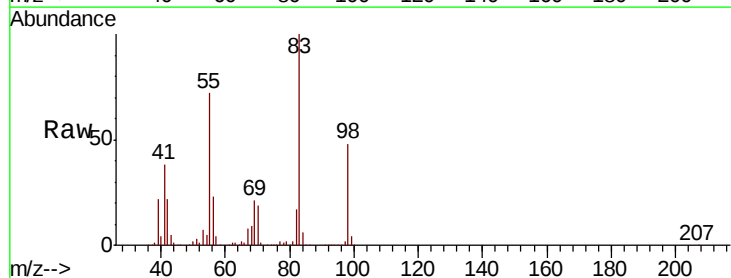
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD010304

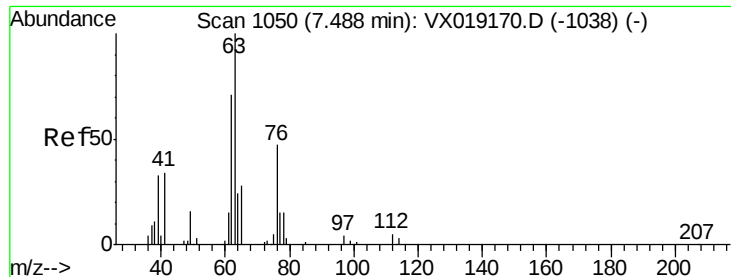
Tot Ion:	95	Resp:	157375
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.2	84.0
132	95.0	65.3	121.3
130	99.8	70.6	131.0



#35
 Methylcyclohexane
 Concen: 10.543 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

Tgt Ion:	83	Resp:	260362
Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.5	87.7
98	49.9	40.1	60.1





#37

1,2-Dichloropropane

Concen: 10.206 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

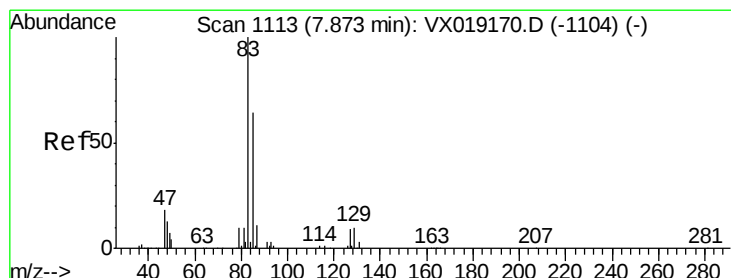
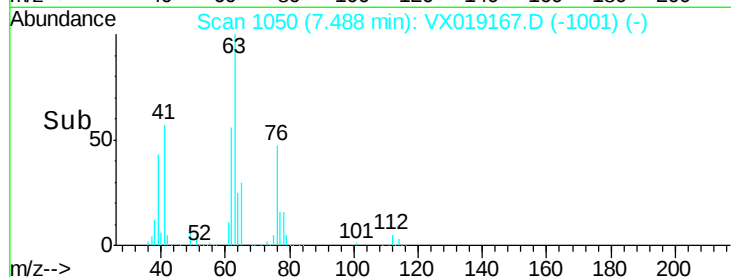
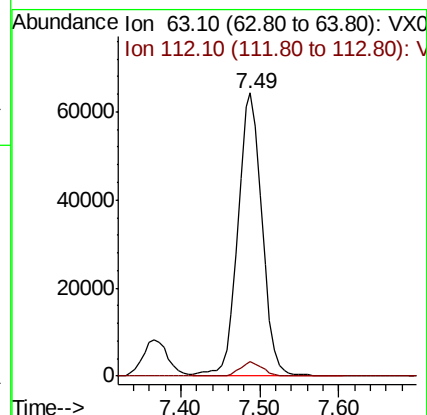
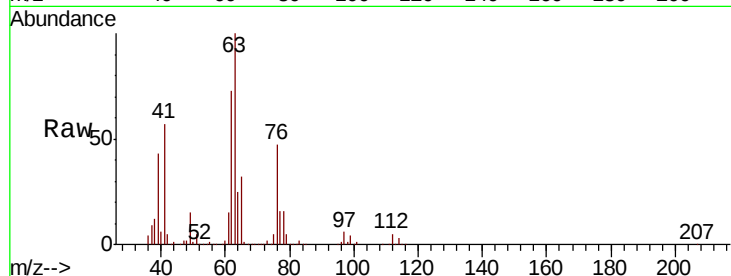
VSTD010304

Tot Ion: 63 Resp: 136930

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 10.609 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

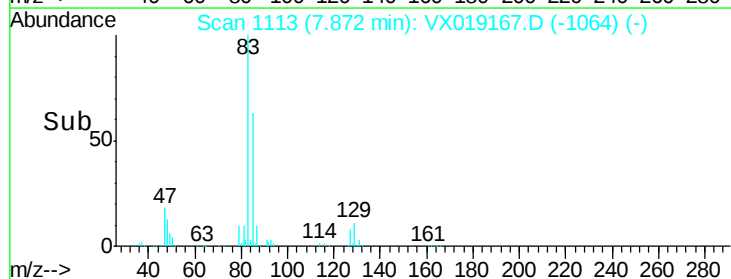
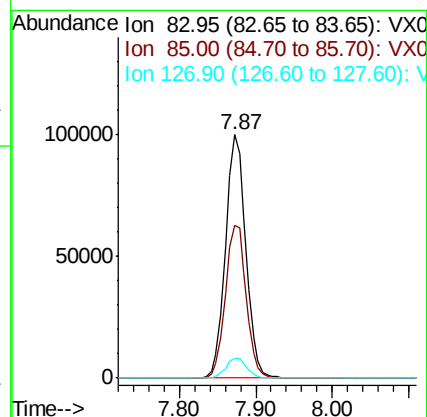
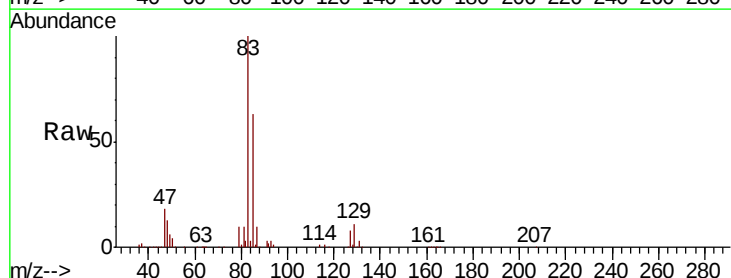
Tgt Ion: 83 Resp: 183451

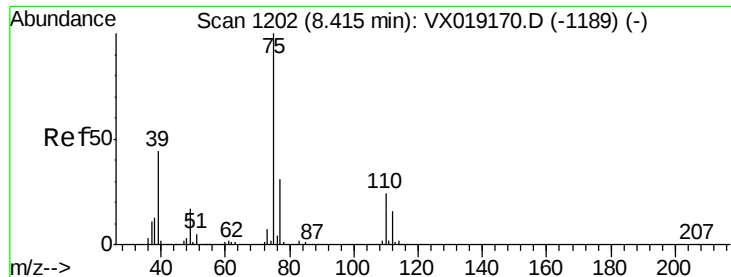
Ion Ratio Lower Upper

83 100

85 62.8 44.4 82.5

127 8.2 7.2 10.8

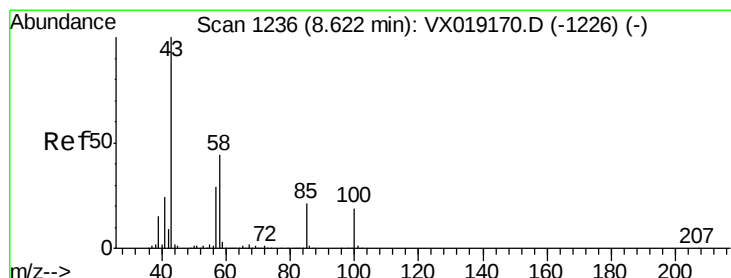
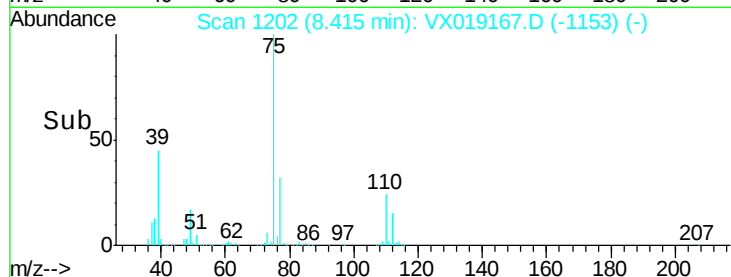
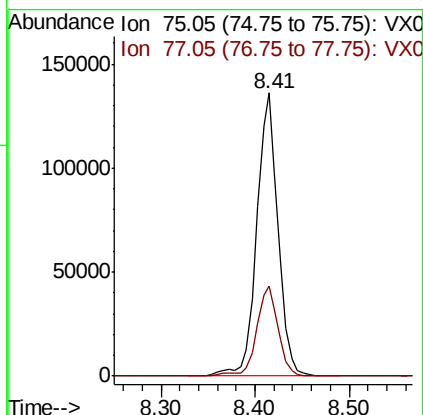
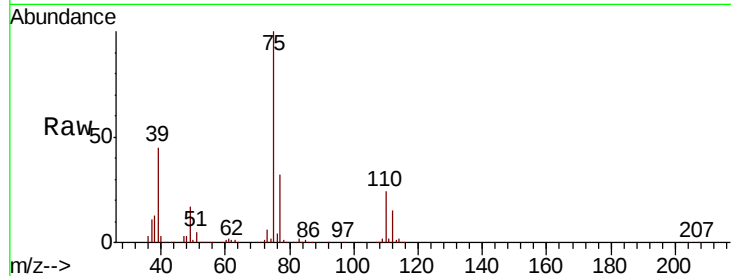




#39
 cis-1,3-Dichloropropene
 Concen: 10.596 ug/L
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

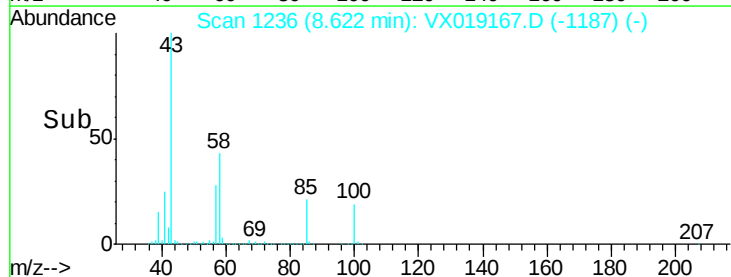
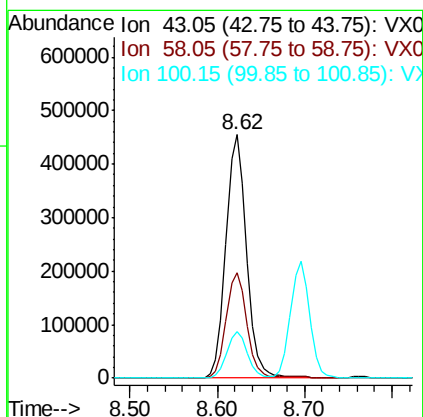
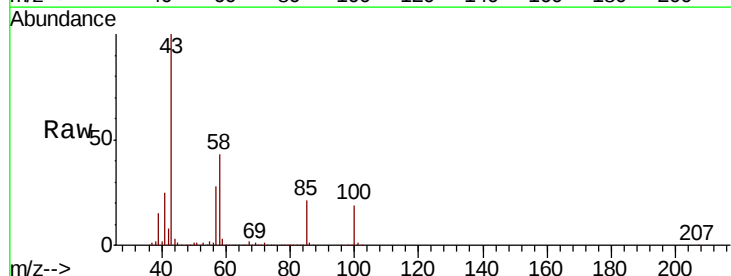
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

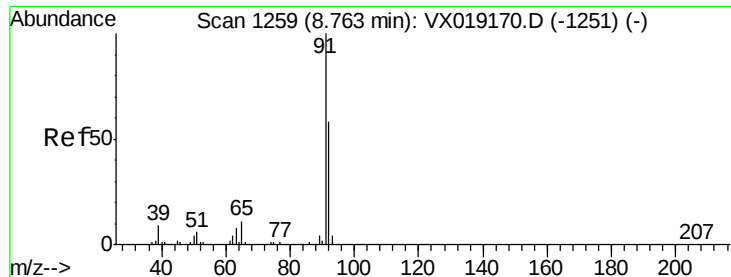
Tot Ion: 75 Resp: 217437
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 101.812 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

Tgt Ion: 43 Resp: 747520
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.1 51.1
 100 18.9 15.0 22.4





#42

Toluene

Concen: 10.410 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

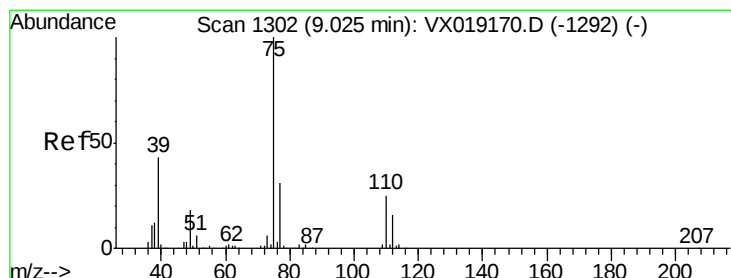
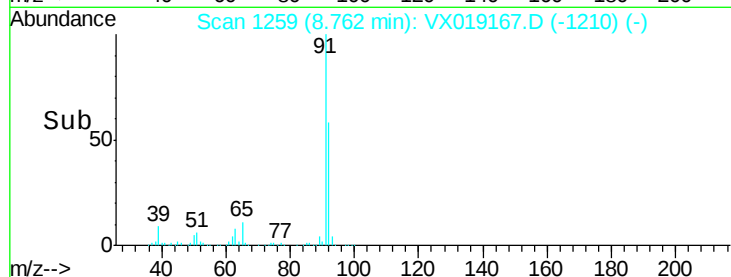
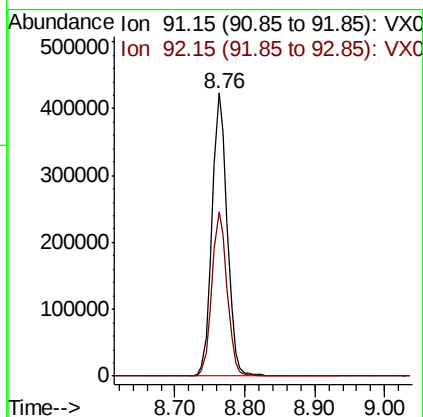
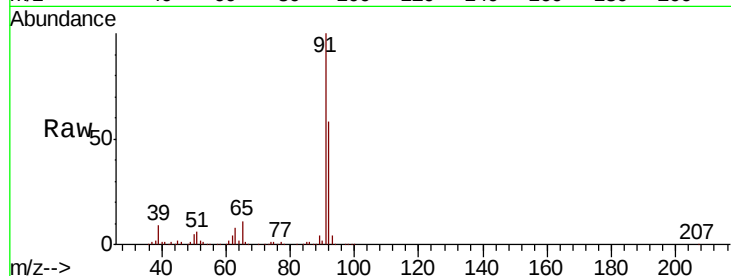
VSTD010304

Tot Ion: 91 Resp: 638376

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 10.515 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019167.D

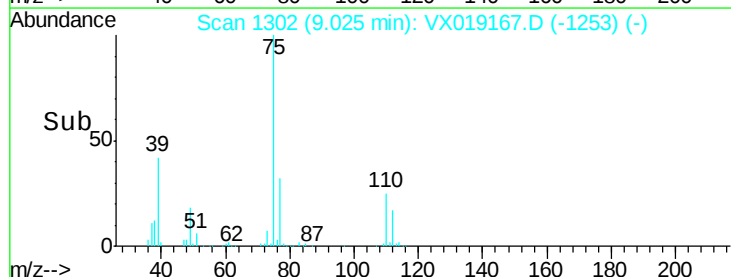
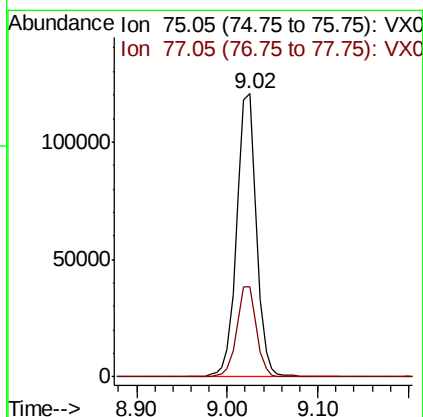
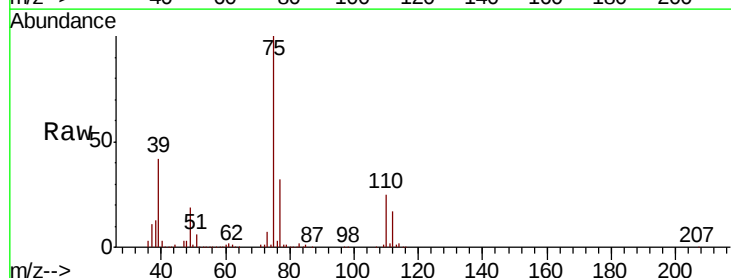
Acq: 28 Oct 2020 16:36

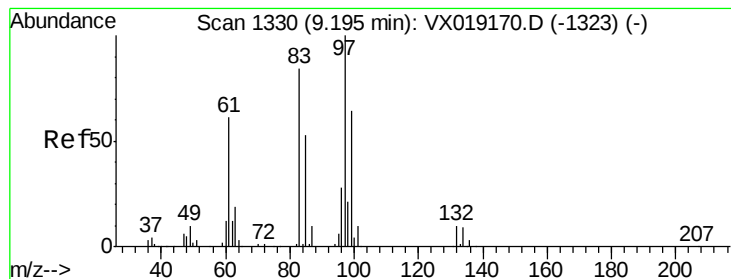
Tgt Ion: 75 Resp: 183073

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 10.097 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

Tot Ion: 97 Resp: 99321

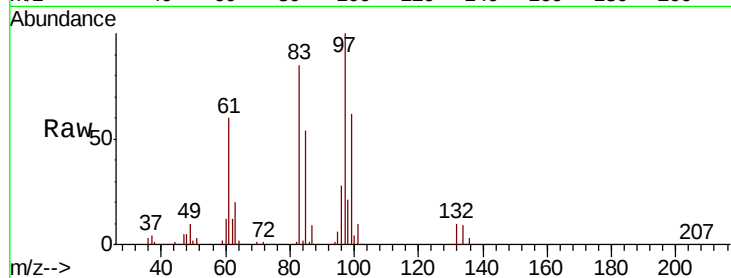
Ion Ratio Lower Upper

97 100

99 62.3 44.8 83.2

83 85.4 59.1 109.7

85 54.0 37.4 69.4

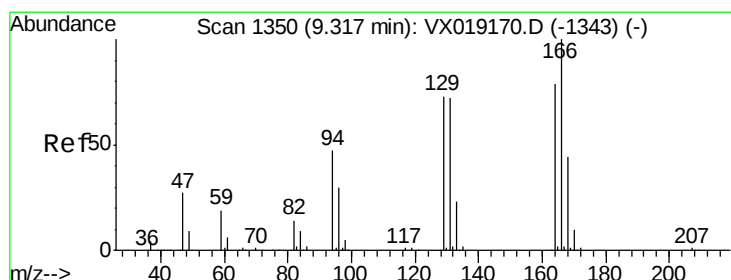
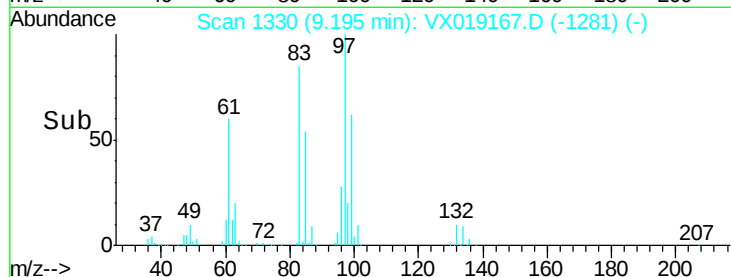
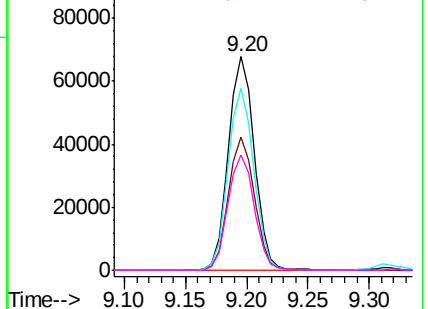


Abundance Ion 96.95 (96.65 to 97.65): VX0

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: 10.395 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Tgt Ion: 164 Resp: 121980

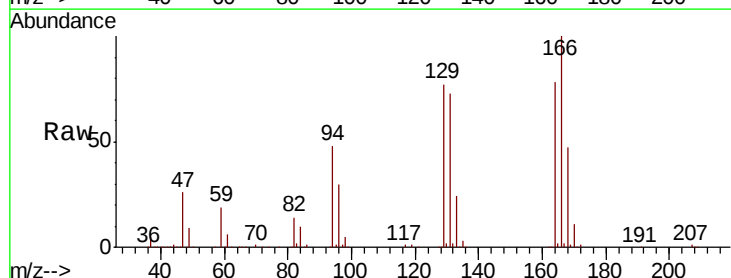
Ion Ratio Lower Upper

164 100

129 98.6 64.2 119.2

131 93.2 63.8 118.4

166 127.7 88.3 164.1

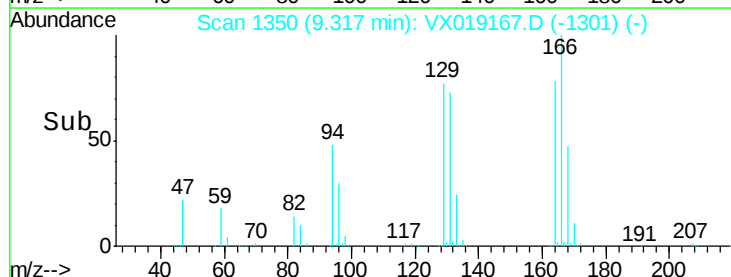
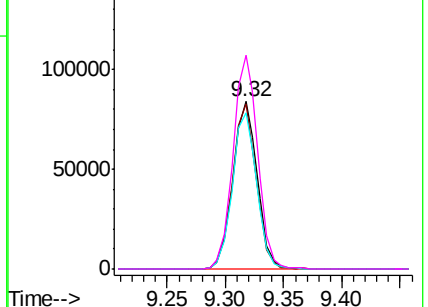


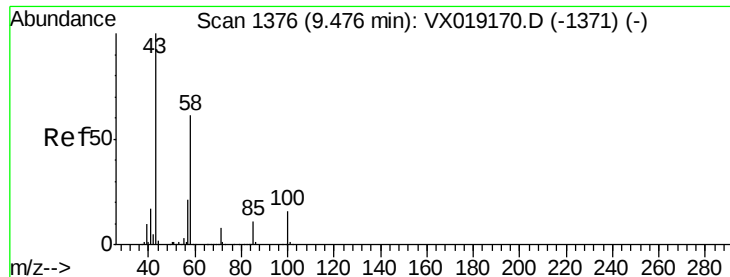
Abundance Ion 163.90 (163.60 to 164.60): V

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

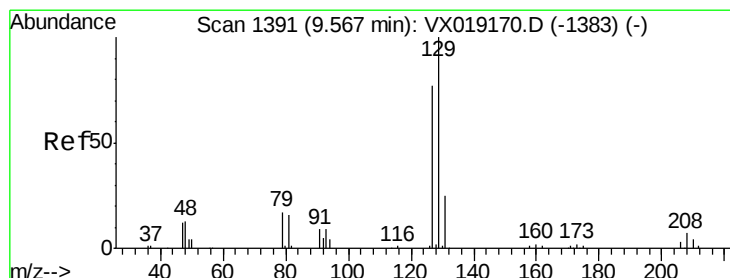
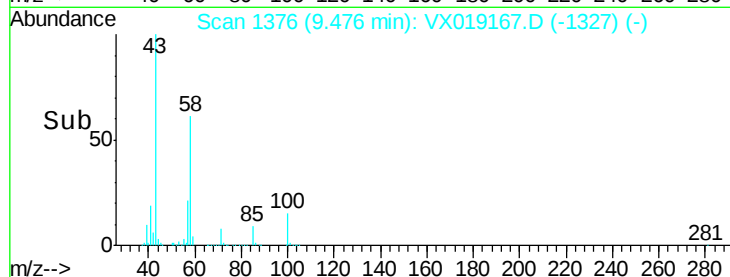
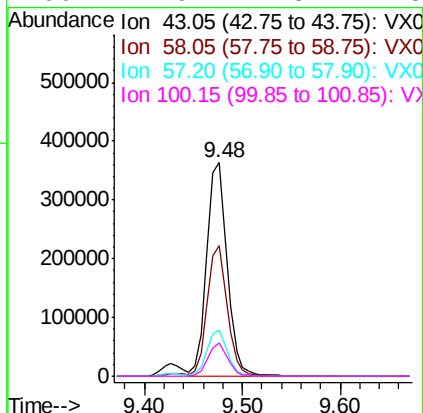
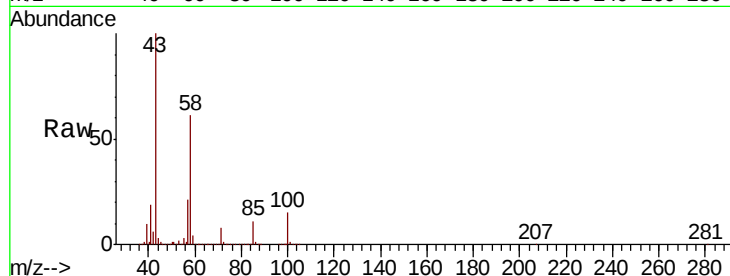




#48
2-Hexanone
Concen: 102.938 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

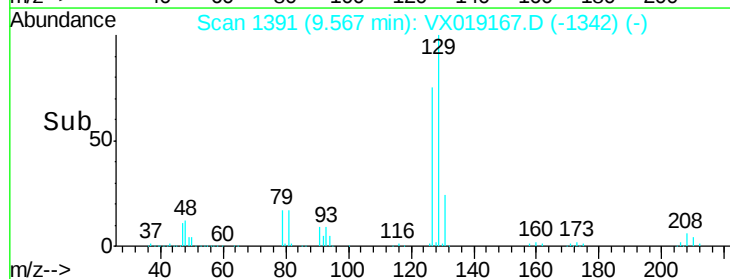
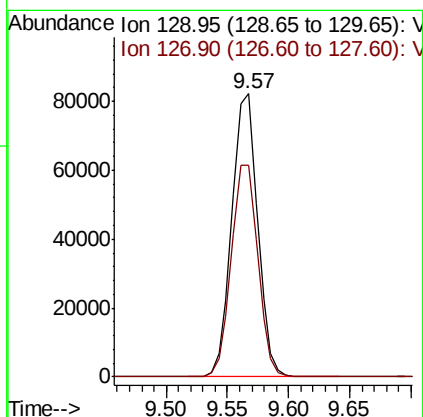
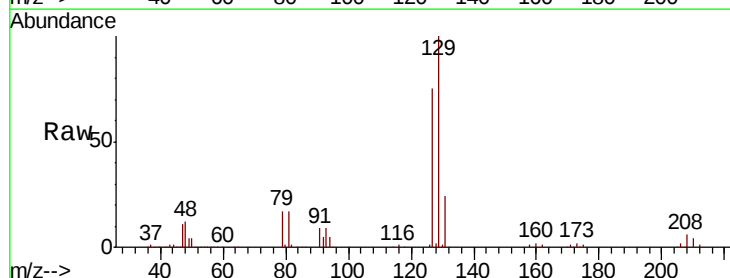
Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

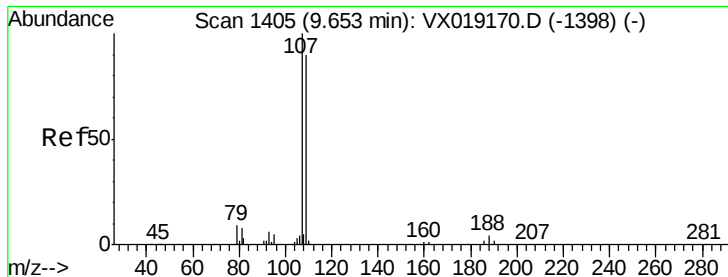
Tot Ion: 43 Resp: 531458
Ion Ratio Lower Upper
43 100
58 60.3 49.3 73.9
57 21.3 17.2 25.8
100 14.9 11.8 17.8



#49
Dibromochloromethane
Concen: 10.627 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

Tgt Ion:129 Resp: 119970
Ion Ratio Lower Upper
129 100
127 74.8 53.6 99.6

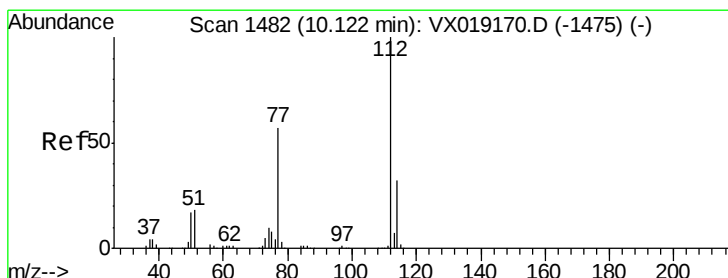
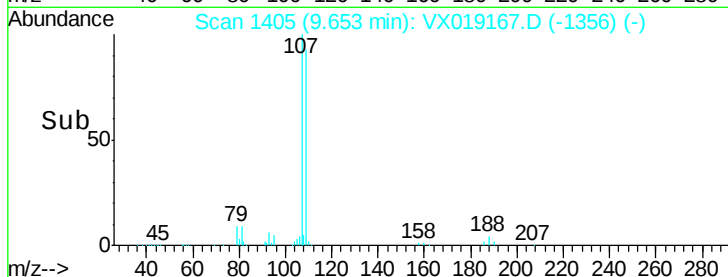
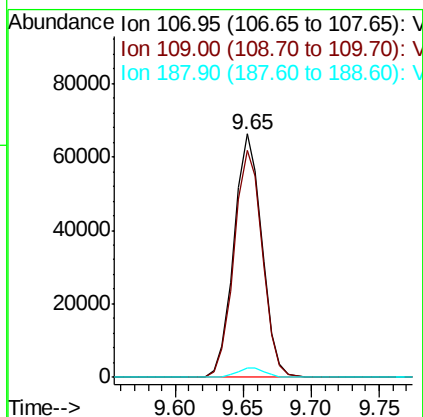
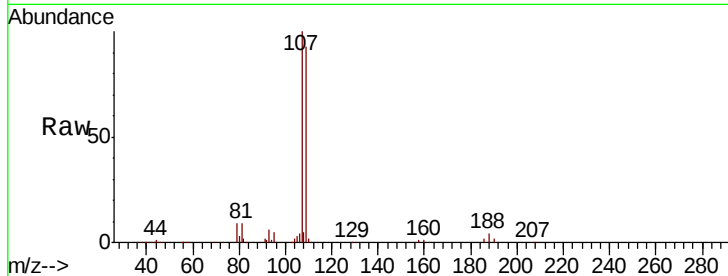




#50
1,2-Dibromoethane
Concen: 10.399 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

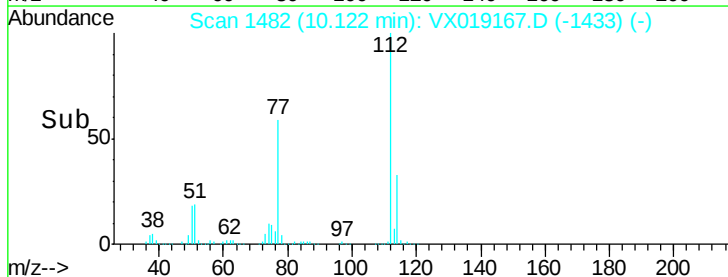
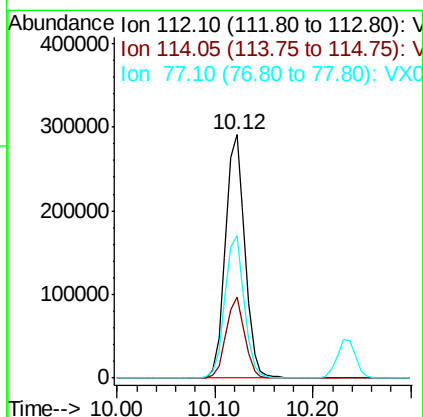
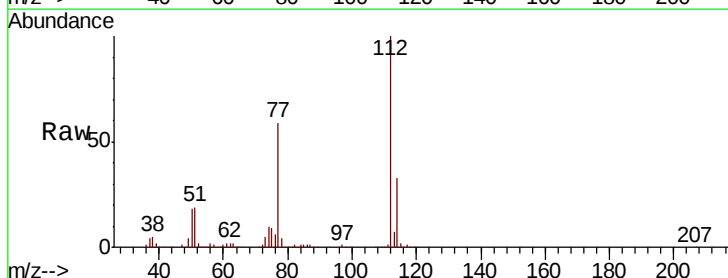
Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

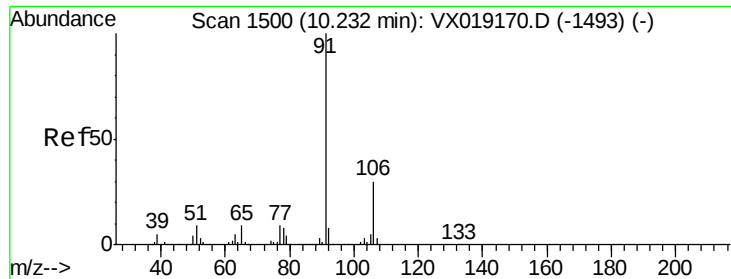
Tot Ion:107 Resp: 94880
Ion Ratio Lower Upper
107 100
109 93.4 62.9 116.9
188 4.0 3.0 4.4



#51
Chlorobenzene
Concen: 10.462 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019167.D
Acq: 28 Oct 2020 16:36

Tgt Ion:112 Resp: 400218
Ion Ratio Lower Upper
112 100
114 33.1 22.5 41.9
77 58.7 46.2 69.2





#52

Ethylbenzene

Concen: 10.476 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

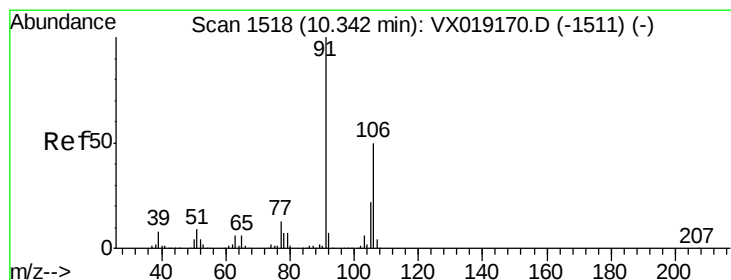
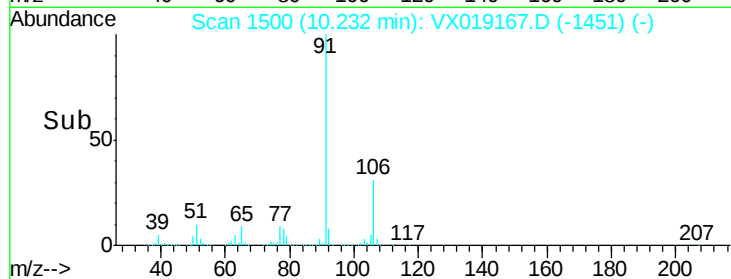
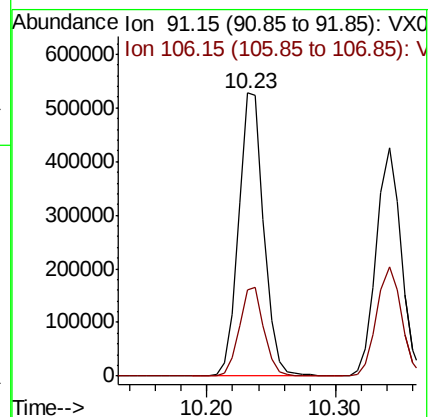
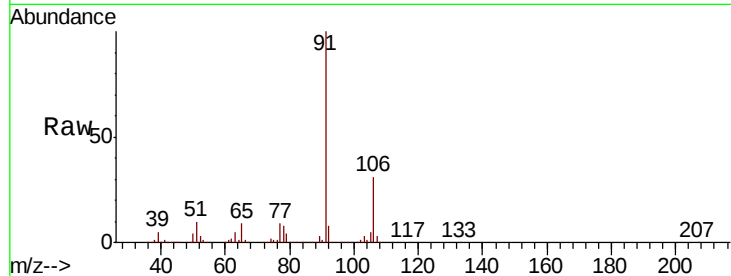
VSTD010304

Tot Ion: 91 Resp: 716512

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



#53

m,p-xylene

Concen: 10.406 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019167.D

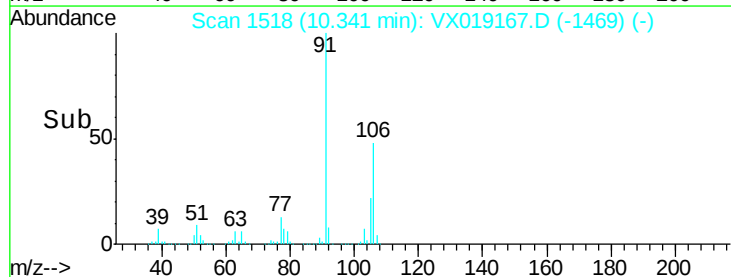
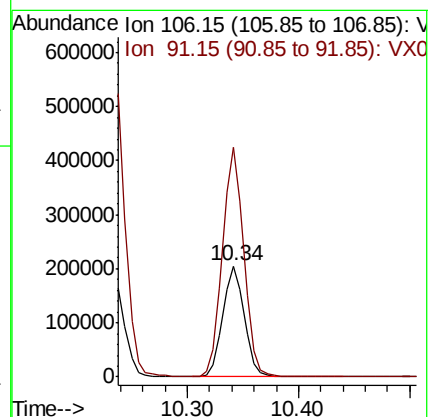
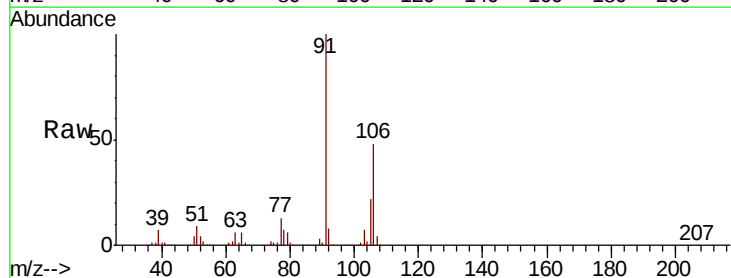
Acq: 28 Oct 2020 16:36

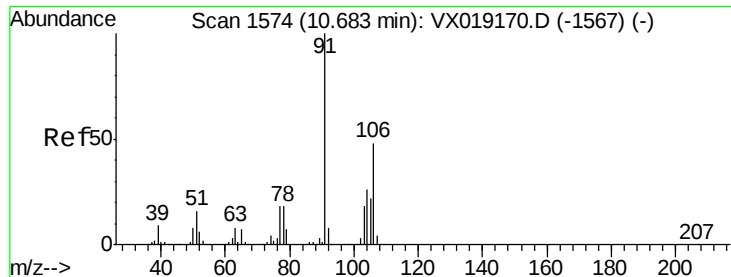
Tgt Ion: 106 Resp: 273812

Ion Ratio Lower Upper

106 100

91 207.8 141.5 262.7





#54

o-xylene

Concen: 10.512 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampled :

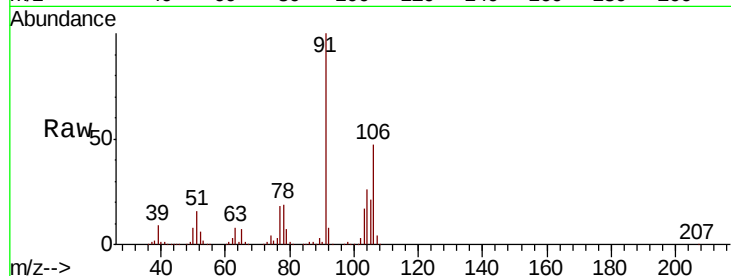
VSTD010304

Tot Ion:106 Resp: 265407

Ion Ratio Lower Upper

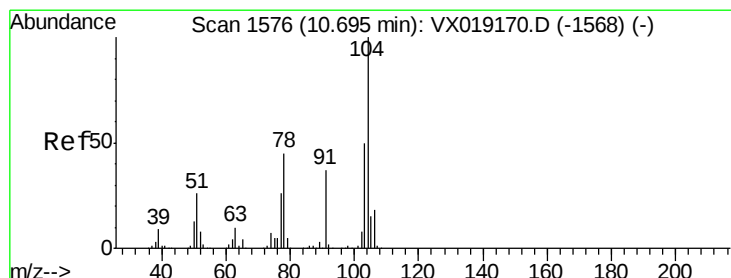
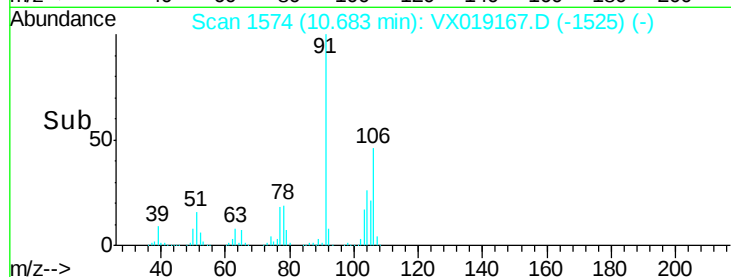
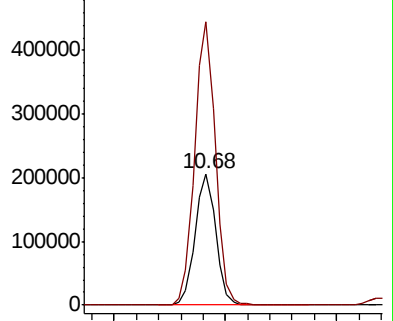
106 100

91 215.0 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 10.746 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019167.D

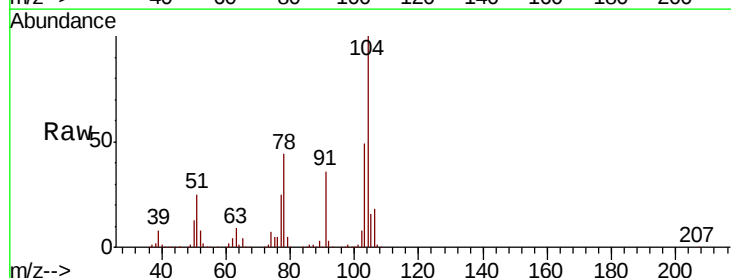
Acq: 28 Oct 2020 16:36

Tgt Ion:104 Resp: 447469

Ion Ratio Lower Upper

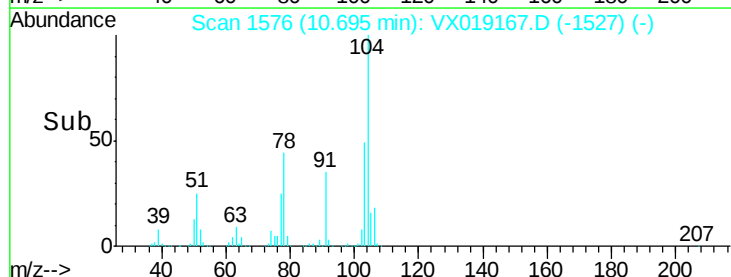
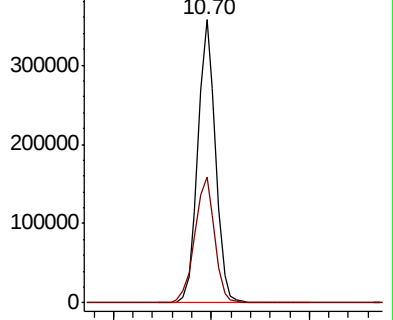
104 100

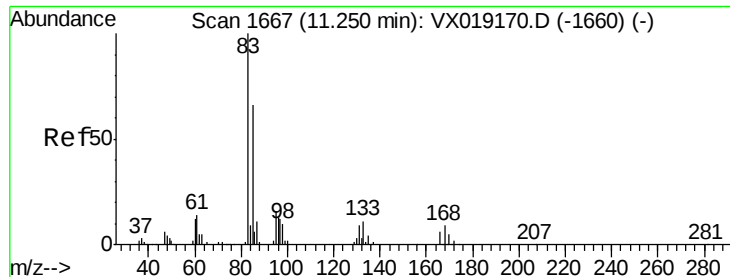
78 44.3 31.7 58.9



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: 10.439 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

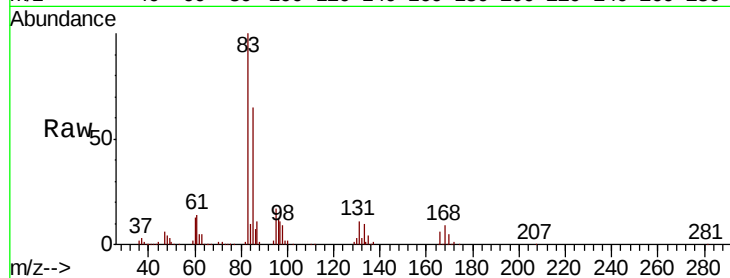
Tot Ion: 83 Resp: 117528

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4

131 10.5 7.7 11.5

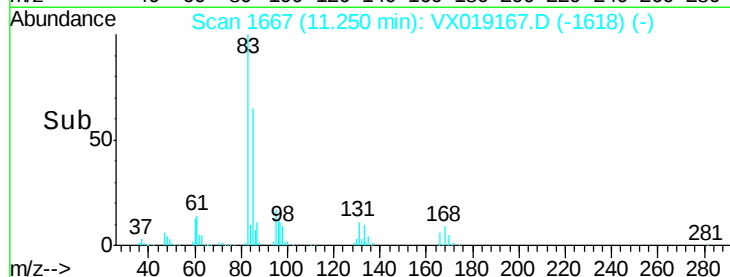


Abundance Ion 82.95 (82.65 to 83.65): VX019167.D (-1660) (-)

Ion 85.00 (84.70 to 85.70): VX019167.D (-1660) (-)

Ion 130.95 (130.65 to 131.65): VX019167.D (-1660) (-)

Time-->

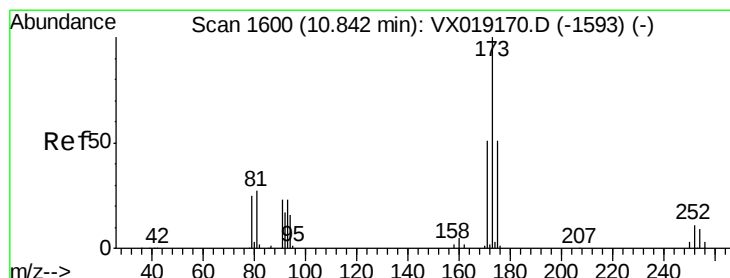


Abundance Ion 82.95 (82.65 to 83.65): VX019167.D (-1660) (-)

Ion 85.00 (84.70 to 85.70): VX019167.D (-1660) (-)

Ion 130.95 (130.65 to 131.65): VX019167.D (-1660) (-)

Time-->



#59

Bromoform

Concen: 10.512 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

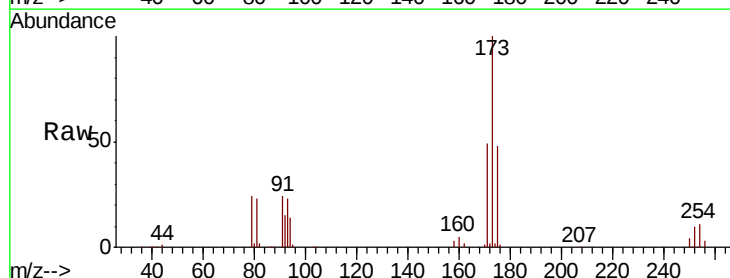
Tgt Ion: 173 Resp: 65216

Ion Ratio Lower Upper

173 100

175 49.1 38.6 57.8

254 9.9 7.4 11.0

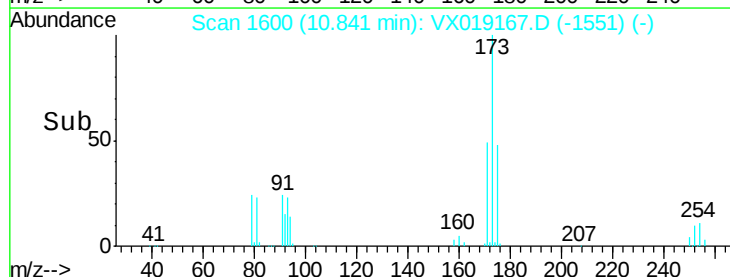


Abundance Ion 172.90 (172.60 to 173.60): VX019167.D (-1593) (-)

Ion 174.90 (174.60 to 175.60): VX019167.D (-1593) (-)

Ion 253.75 (253.45 to 254.45): VX019167.D (-1593) (-)

Time-->

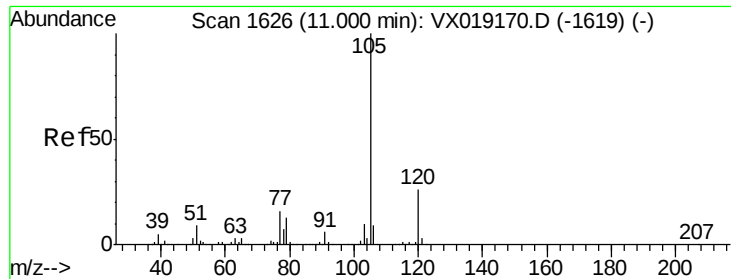


Abundance Ion 172.90 (172.60 to 173.60): VX019167.D (-1593) (-)

Ion 174.90 (174.60 to 175.60): VX019167.D (-1593) (-)

Ion 253.75 (253.45 to 254.45): VX019167.D (-1593) (-)

Time-->



#60

Isopropylbenzene

Concen: 10.371 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

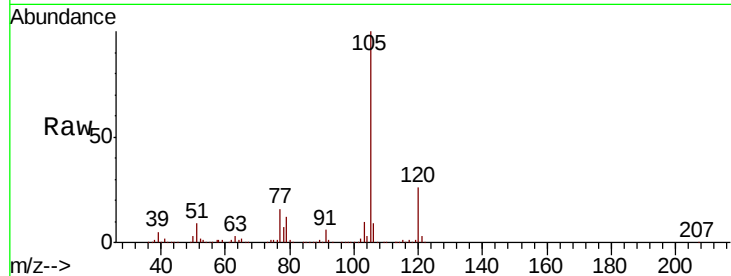
Tot Ion:105 Resp: 718027

Ion Ratio Lower Upper

105 100

120 25.9 21.4 32.2

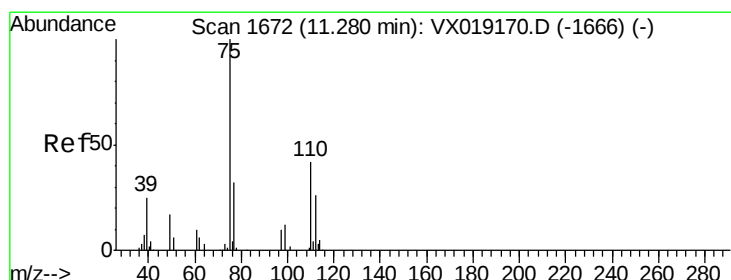
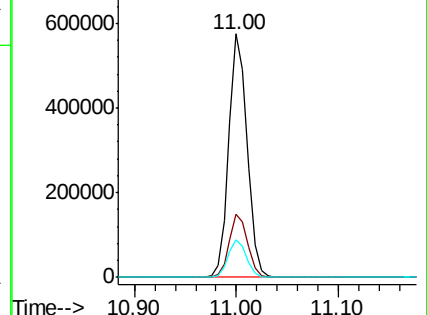
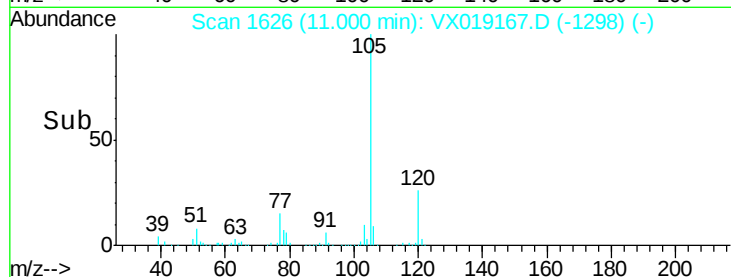
77 15.5 12.9 19.3



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: 9.990 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

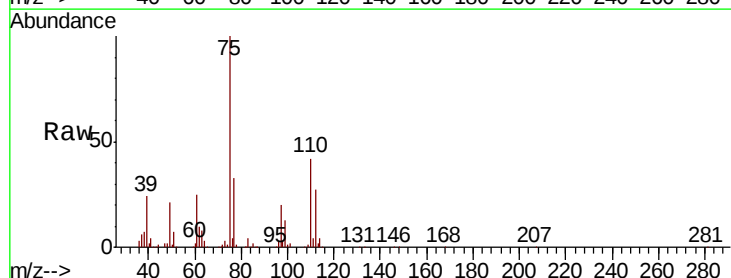
Tgt Ion: 75 Resp: 85770

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

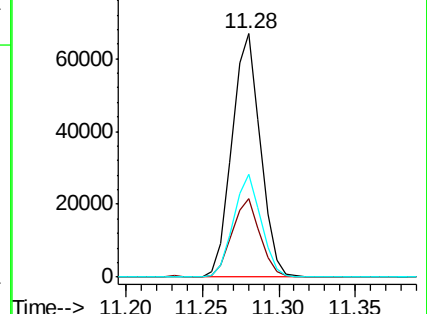
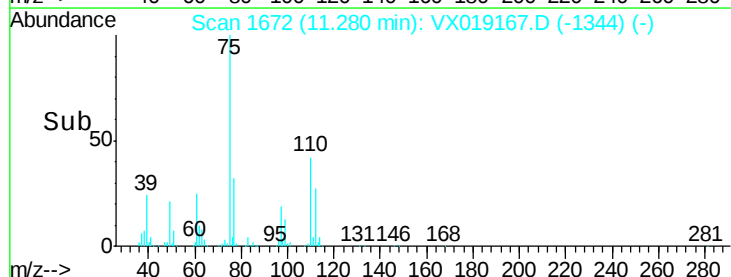
110 41.3 32.4 48.6

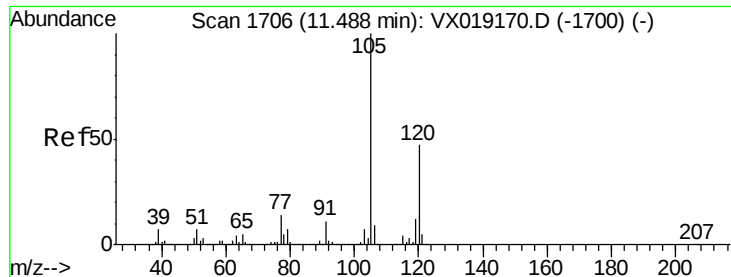


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 10.417 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampled :

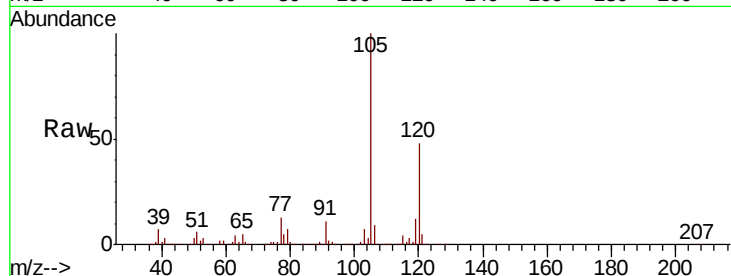
VSTD010304

Tot Ion:105 Resp: 611123

Ion Ratio Lower Upper

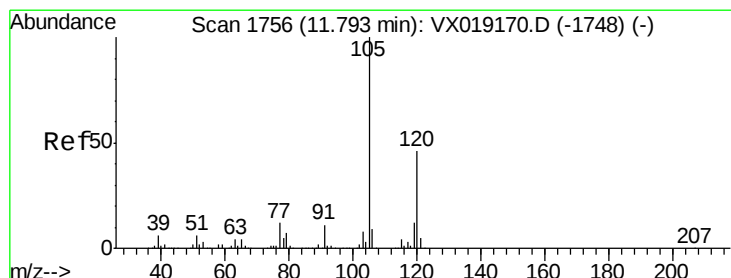
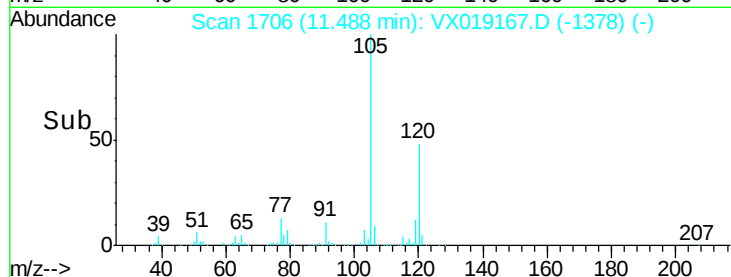
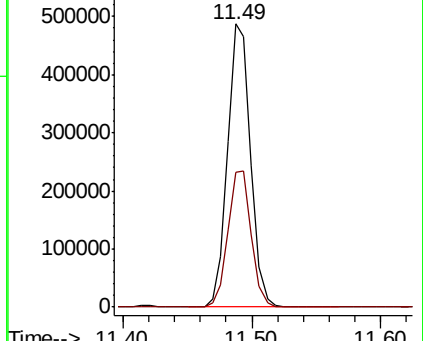
105 100

120 48.7 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: 10.420 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019167.D

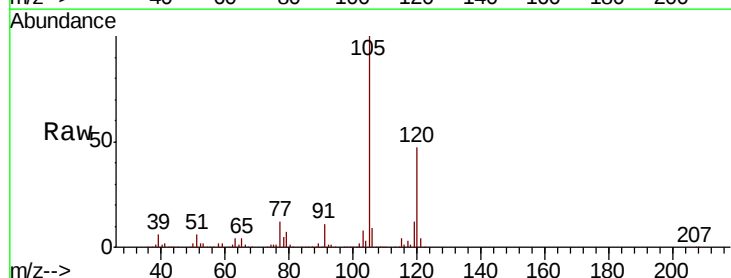
Acq: 28 Oct 2020 16:36

Tgt Ion:105 Resp: 619393

Ion Ratio Lower Upper

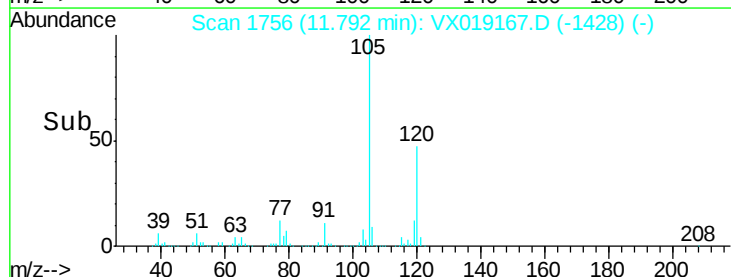
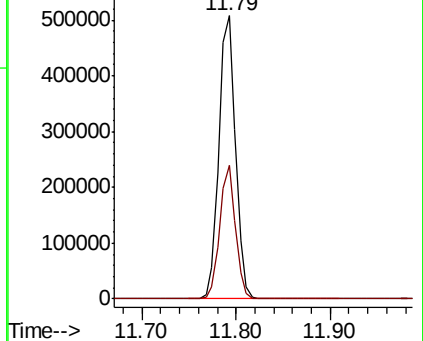
105 100

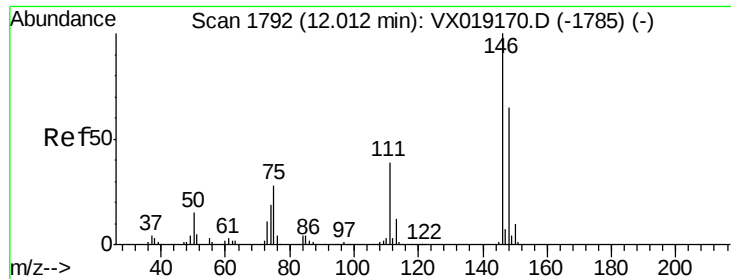
120 44.9 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 10.280 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

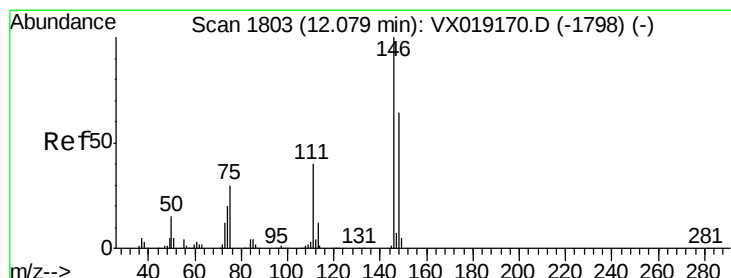
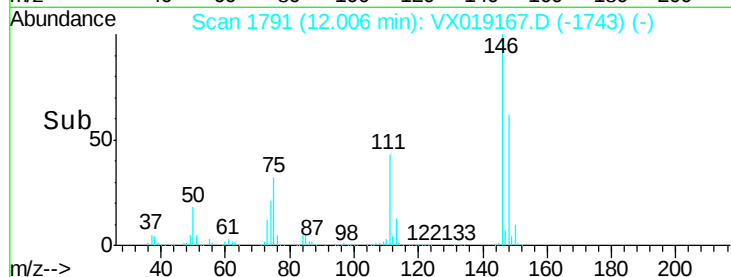
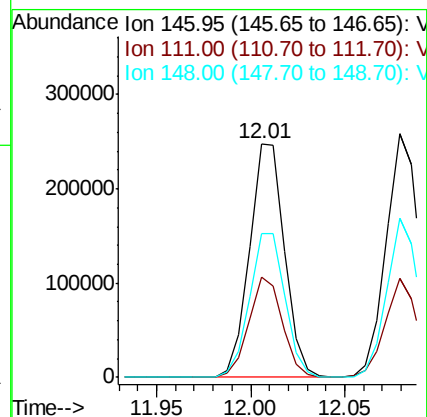
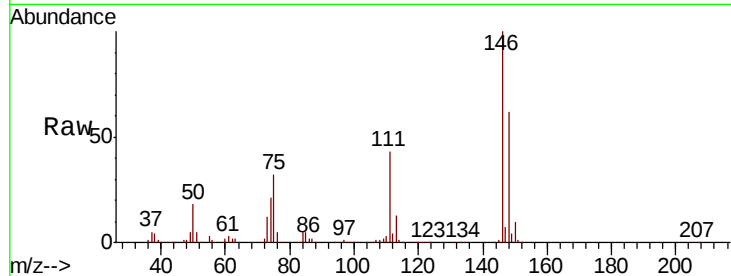
Tot Ion:146 Resp: 318991

Ion Ratio Lower Upper

146 100

111 42.6 27.3 50.7

148 61.6 45.4 84.2



#65

1,4-Dichlorobenzene

Concen: 10.511 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

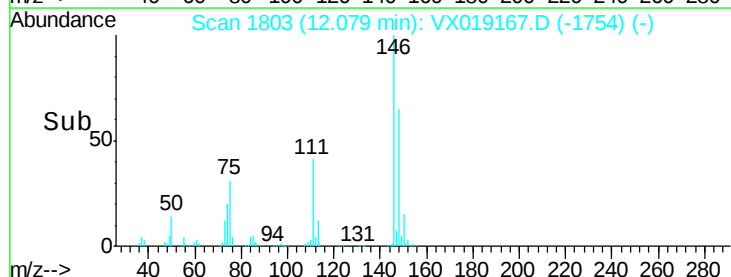
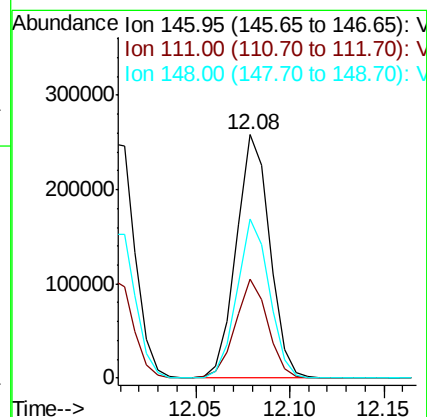
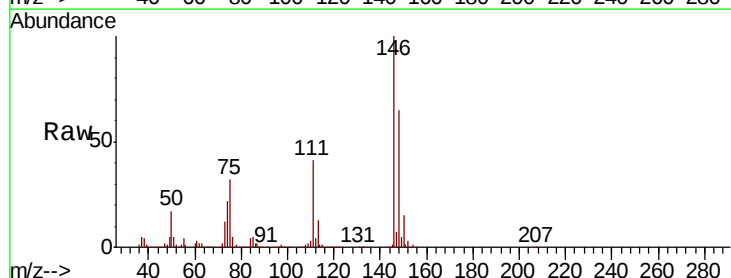
Tgt Ion:146 Resp: 317729

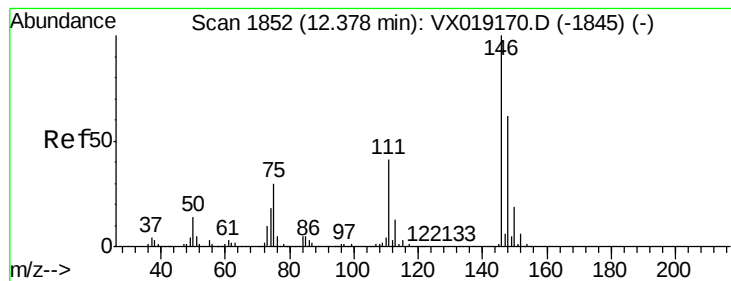
Ion Ratio Lower Upper

146 100

111 40.9 28.1 52.3

148 65.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 10.058 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampled :

VSTD010304

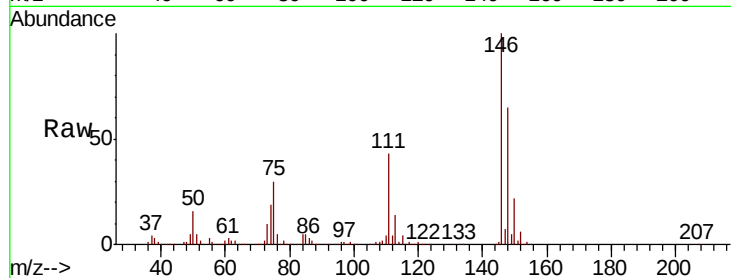
Tot Ion:146 Resp: 285147

Ion Ratio Lower Upper

146 100

111 43.1 32.6 49.0

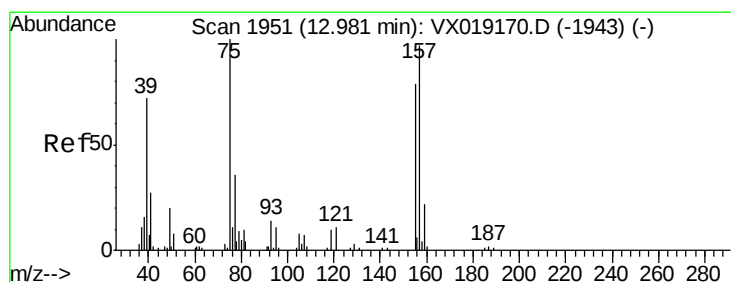
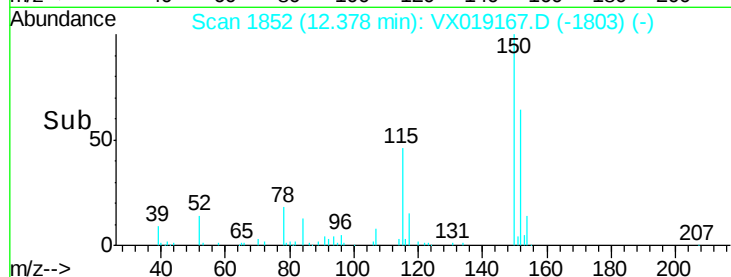
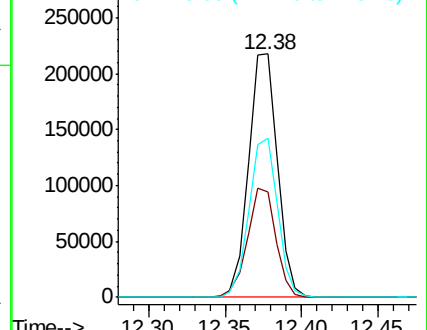
148 65.1 49.4 74.2



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: 10.084 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

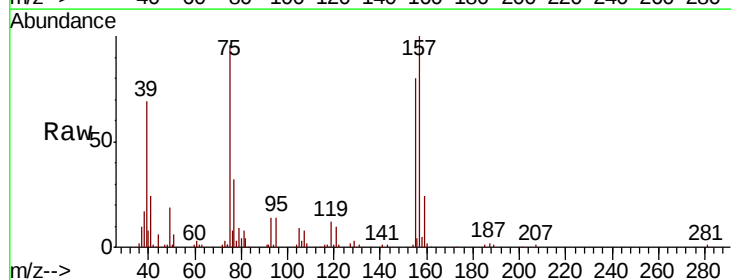
Tgt Ion: 75 Resp: 19981

Ion Ratio Lower Upper

75 100

155 83.5 62.9 94.3

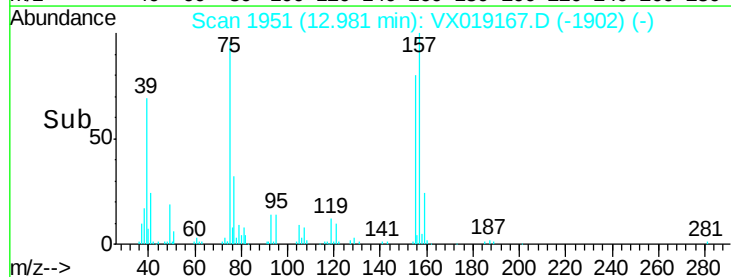
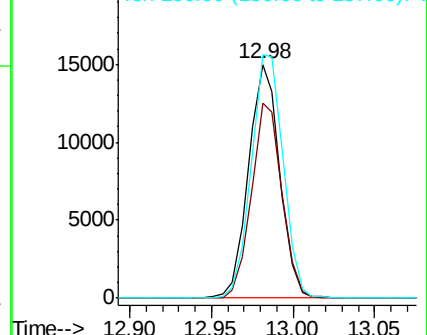
157 104.3 77.5 116.3

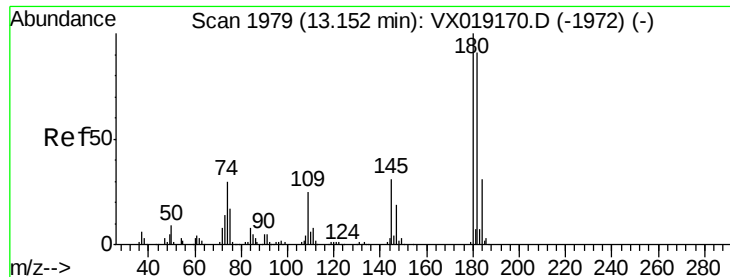


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

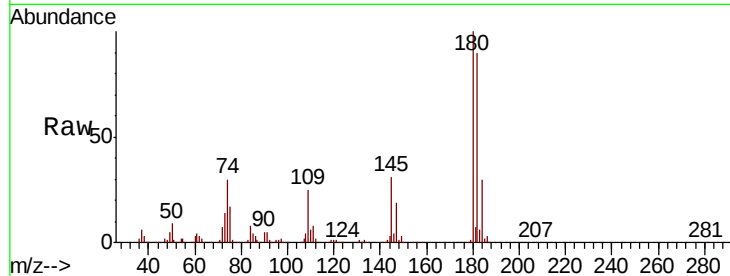




#69
 1,3,5-Trichlorobenzene
 Concen: 10.477 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

Tot Ion	180	Resp	242646
Ion Ratio	100	Lower	Upper
180	100		
182	92.9	74.1	111.1
184	29.6	24.4	36.6
145	30.7	24.9	37.3



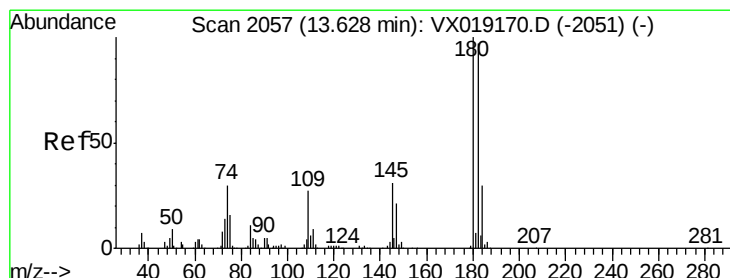
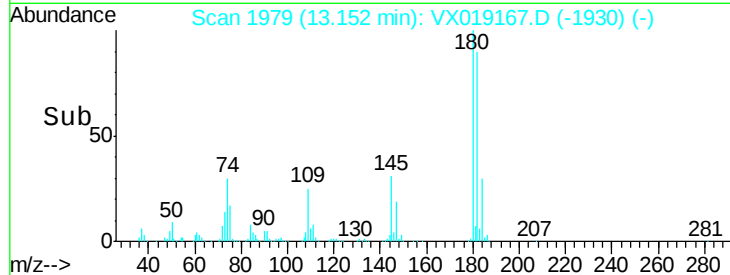
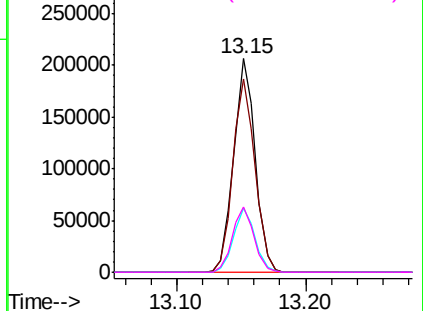
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

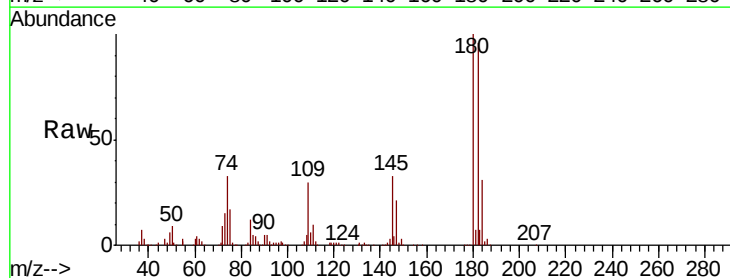
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 10.494 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019167.D
 Acq: 28 Oct 2020 16:36

Tgt Ion	180	Resp	206777
Ion Ratio	100	Lower	Upper
180	100		
182	94.1	77.8	116.6
145	31.3	25.0	37.4

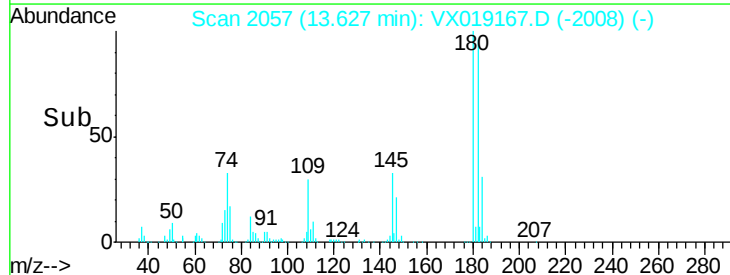
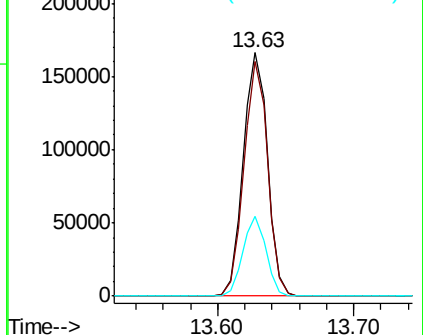


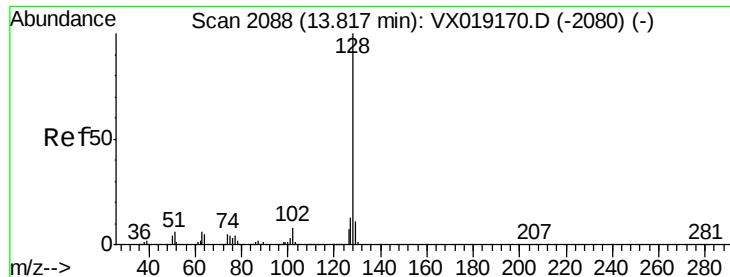
Abundance

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: 10.449 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

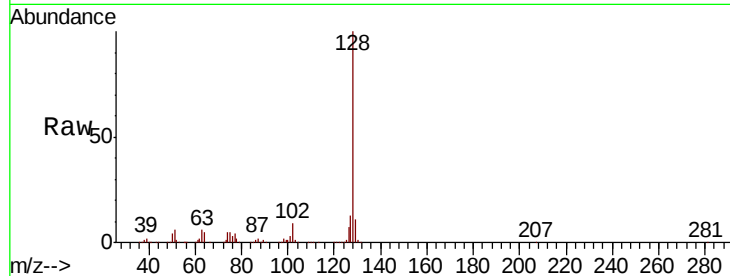
Tot Ion:128 Resp: 383447

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

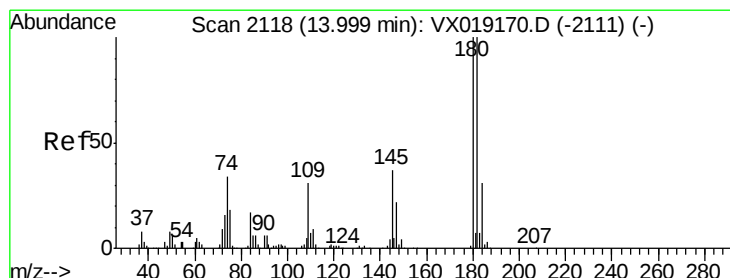
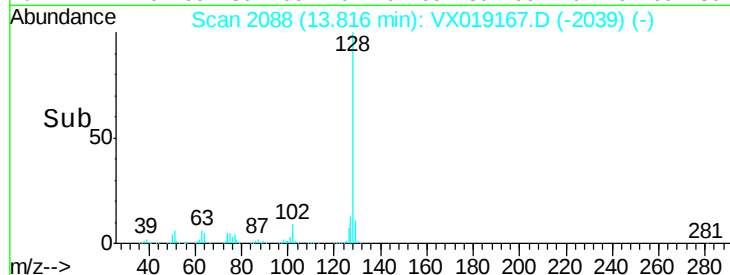
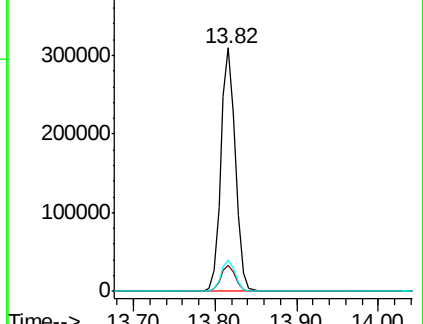
127 12.6 10.1 15.1



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: 10.617 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019167.D

Acq: 28 Oct 2020 16:36

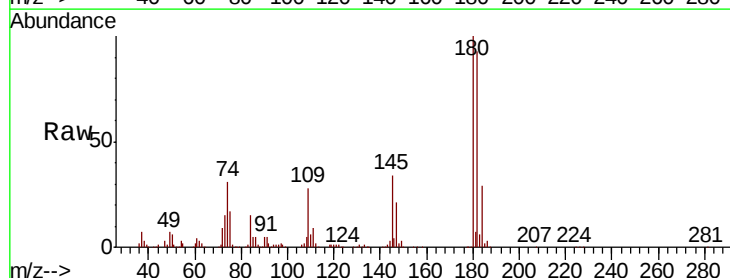
Tgt Ion:180 Resp: 185978

Ion Ratio Lower Upper

180 100

182 94.0 77.0 115.4

145 33.5 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

