

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
 Data File : VX019164.D
 Acq On : 28 Oct 2020 15:09
 Operator : JC/MD
 Sample : VSTD0.561
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5301

Quant Time: Oct 29 05:59:13 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	199780	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	178661	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	83243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	6048	0.47	ug/L	0.00
7) Chloroethane-d5	1.70	69	5205	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	11782	0.46	ug/L	0.00
20) 2-Butanone-d5	4.57	46	12284	4.12	ug/L	0.01
24) Chloroform-d	5.14	84	11199	0.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	7907	0.60	ug/L	0.00
32) Benzene-d6	6.04	84	22589	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	6367	0.45	ug/L	0.00
41) Toluene-d8	8.70	98	24875	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	2552	0.42	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	10726	3.90	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	4642	0.43	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	7073	0.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	7480	0.440 ug/L	99
3) Chloromethane	1.31	50	6938	0.473 ug/L	99
5) Vinyl chloride	1.39	62	7713	0.467 ug/L	93
6) Bromomethane	1.64	94	5050	0.482 ug/L	98
8) Chloroethane	1.71	64	4715	0.474 ug/L	97
9) Trichlorofluoromethane	1.92	101	10425	0.436 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	6033	0.441 ug/L	99
12) 1,1-Dichloroethene	2.35	96	5949	0.447 ug/L #	71
14) Carbon disulfide	2.55	76	19325	0.483 ug/L	100
15) Methyl Acetate	2.76	43	1795	0.386 ug/L	90
16) Methylene chloride	2.83	84	8875	0.646 ug/L	95
17) Methyl tert-butyl Ether	3.17	73	13972	0.437 ug/L	96
18) trans-1,2-Dichloroethene	3.14	96	6337	0.458 ug/L	92
19) 1,1-Dichloroethane	3.67	63	10919	0.461 ug/L	97
21) 2-Butanone	4.67	43	13754	4.610 ug/L	90
22) cis-1,2-Dichloroethene	4.56	96	6691	0.459 ug/L	97
23) Bromochloromethane	4.98	128	2718	0.436 ug/L	95
25) Chloroform	5.17	83	11116	0.456 ug/L	89
27) 1,2-Dichloroethane	6.15	62	7149	0.460 ug/L	96
29) 1,1,1-Trichloroethane	5.45	97	10049	0.442 ug/L	98
30) Cyclohexane	5.54	56	9910	0.442 ug/L	95
31) Carbon tetrachloride	5.75	117	8371	0.438 ug/L	99
33) Benzene	6.10	78	25115	0.458 ug/L	100
34) Trichloroethene	7.19	95	6872	0.459 ug/L	97
35) Methylcyclohexane	7.44	83	10702	0.445 ug/L	99
37) 1,2-Dichloropropane	7.48	63	5730	0.439 ug/L	99
38) Bromodichloromethane	7.87	83	7130	0.424 ug/L	87
39) cis-1,3-Dichloropropene	8.41	75	8479	0.425 ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	29601	4.142 ug/L	98
42) Toluene	8.76	91	26174	0.439 ug/L	96

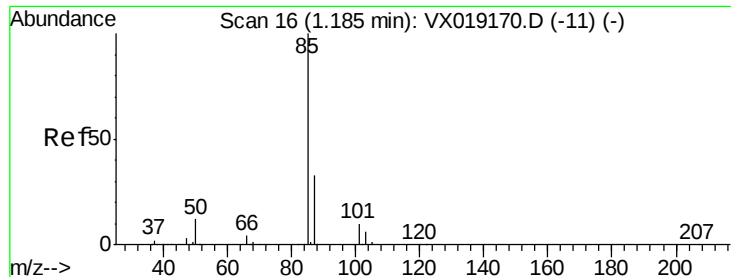
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 05:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	9.02	75	6946	0.410	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	4175	0.436	ug/L	88
47) Tetrachloroethene	9.32	164	5055	0.443	ug/L	97
48) 2-Hexanone	9.48	43	20102	4.000	ug/L	98
49) Dibromochloromethane	9.56	129	4538	0.413	ug/L	95
50) 1,2-Dibromoethane	9.65	107	3791	0.427	ug/L	93
51) Chlorobenzene	10.12	112	16716	0.449	ug/L	99
52) Ethylbenzene	10.23	91	28736	0.432	ug/L	99
53) m,p-xylene	10.34	106	10866	0.424	ug/L	95
54) o-xylene	10.68	106	10188	0.415	ug/L	92
55) Styrene	10.70	104	16315	0.403	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.25	83	4612	0.421	ug/L #	98
59) Bromoform	10.84	173	2401	0.423	ug/L	93
60) Isopropylbenzene	11.00	105	27971	0.442	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	3600	0.458	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	22528	0.420	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	22578	0.415	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	12550	0.442	ug/L	93
65) 1,4-Dichlorobenzene	12.08	146	13048	0.472	ug/L	94
67) 1,2-Dichlorobenzene	12.38	146	11598	0.447	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	759	0.419	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.15	180	8543	0.403	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	7833	0.434	ug/L	95
71) Naphthalene	13.82	128	13190	0.393	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	6847	0.427	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.440 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

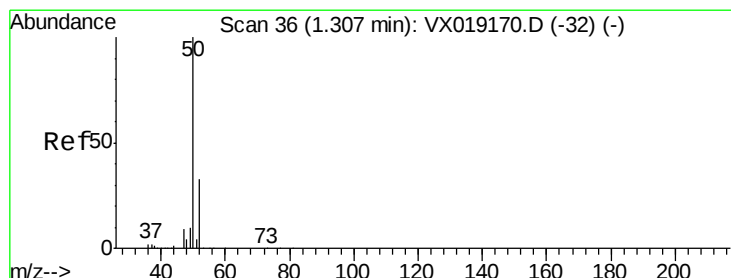
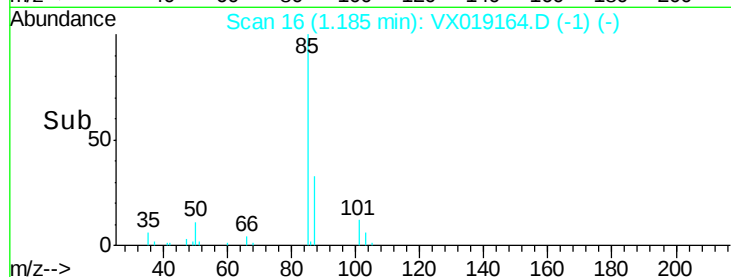
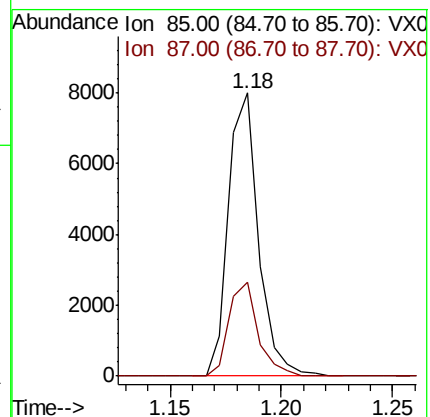
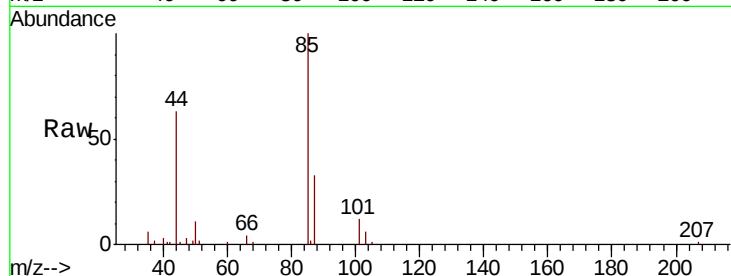
VSTD0.5301

Tot Ion: 85 Resp: 7480

Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



#3

Chloromethane

Concen: 0.473 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX019164.D

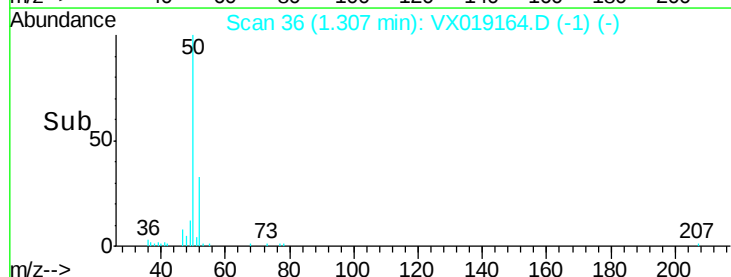
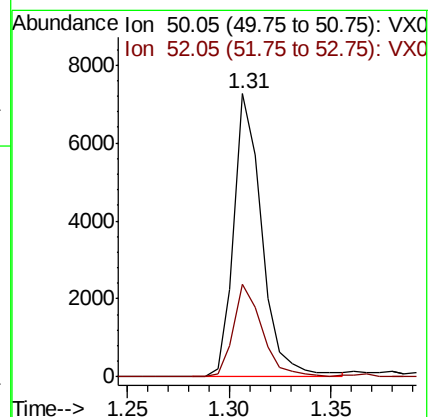
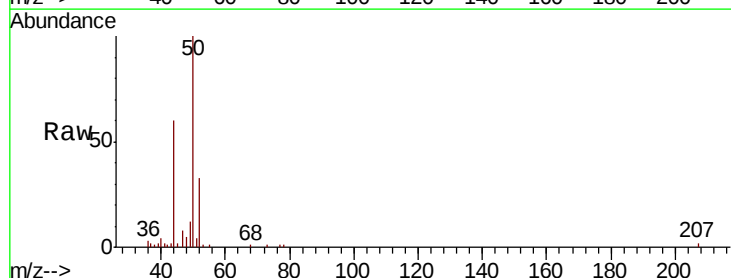
Acq: 28 Oct 2020 15:09

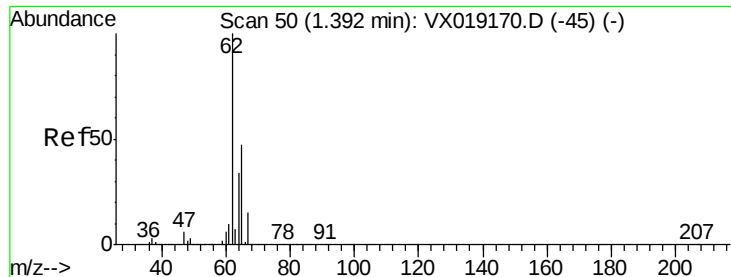
Tgt Ion: 50 Resp: 6938

Ion Ratio Lower Upper

50 100

52 32.8 23.4 43.6





#5

Vinyl chloride

Concen: 0.467 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

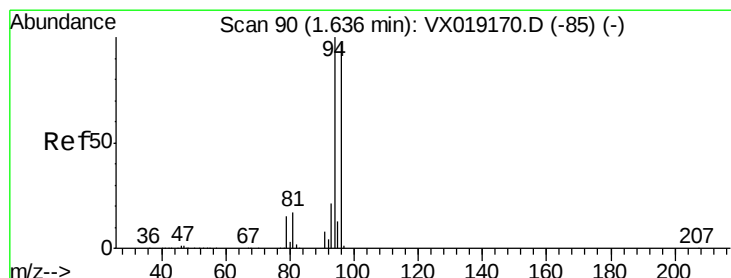
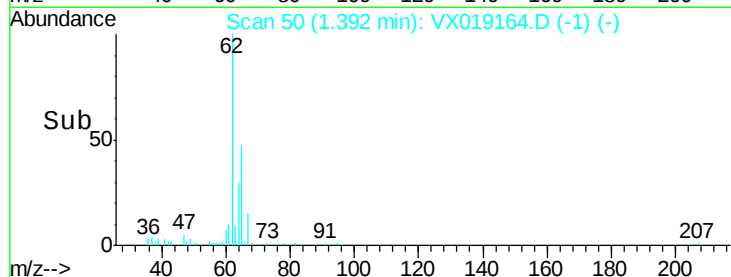
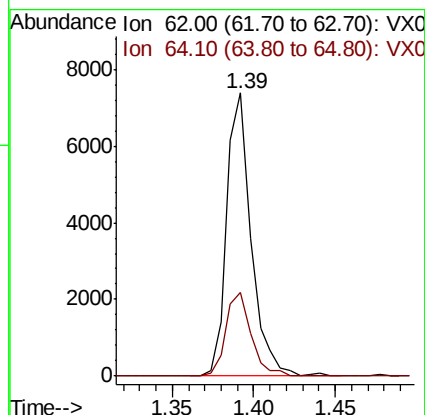
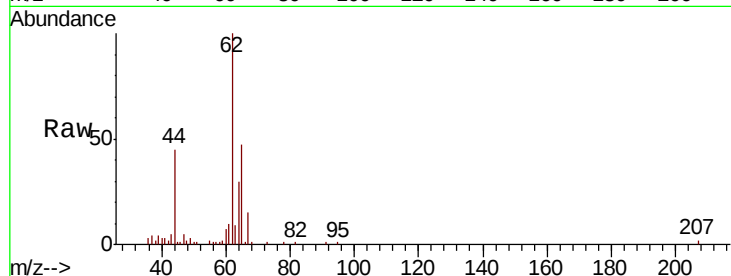
VSTD0.5301

Tot Ion: 62 Resp: 7713

Ion Ratio Lower Upper

62 100

64 29.6 23.5 43.7



#6

Bromomethane

Concen: 0.482 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019164.D

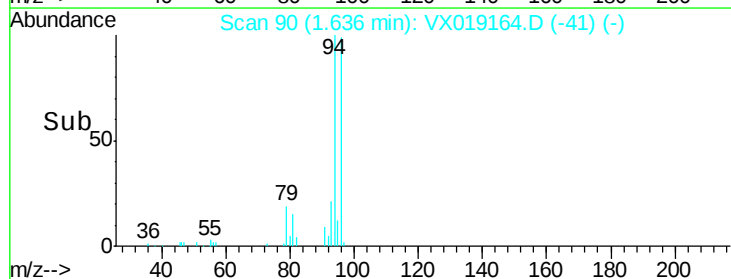
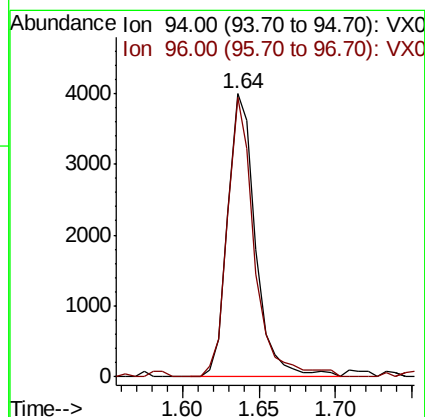
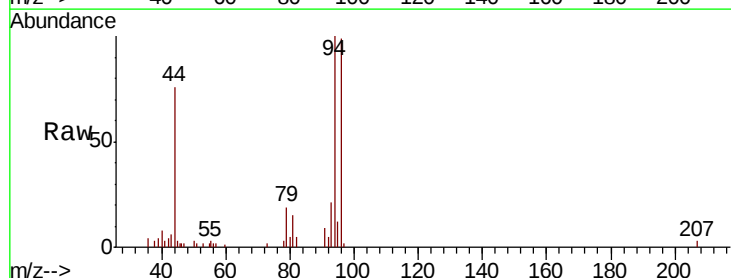
Acq: 28 Oct 2020 15:09

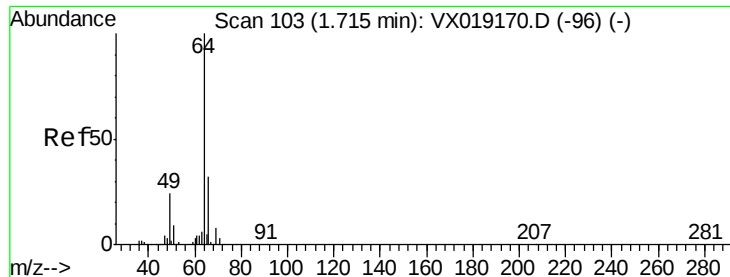
Tgt Ion: 94 Resp: 5050

Ion Ratio Lower Upper

94 100

96 98.6 67.9 126.1





#8

Chloroethane

Concen: 0.474 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

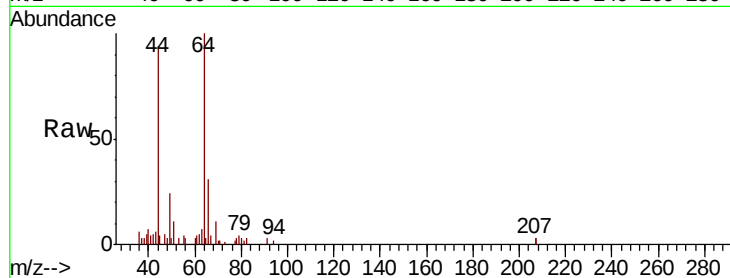
VSTD0.5301

Tot Ion: 64 Resp: 4715

Ion Ratio Lower Upper

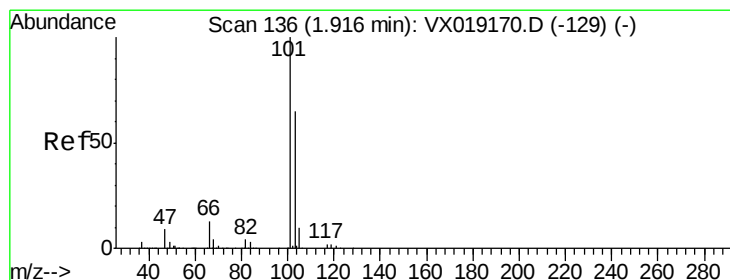
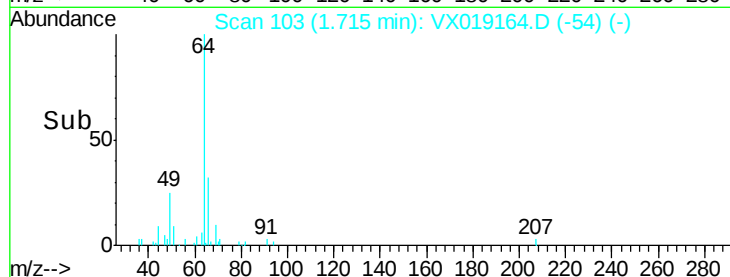
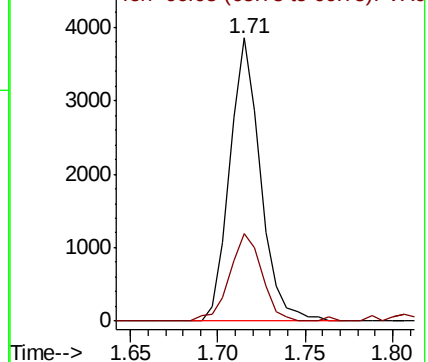
64 100

66 30.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0



#9

Trichlorofluoromethane

Concen: 0.436 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019164.D

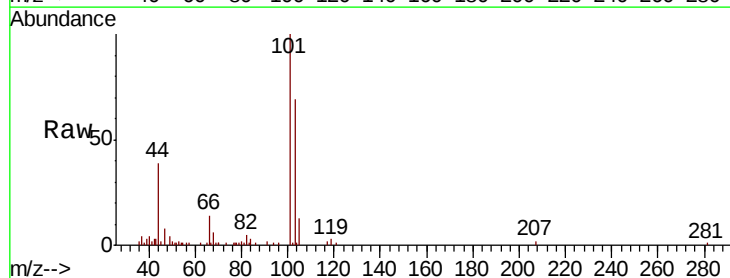
Acq: 28 Oct 2020 15:09

Tgt Ion: 101 Resp: 10425

Ion Ratio Lower Upper

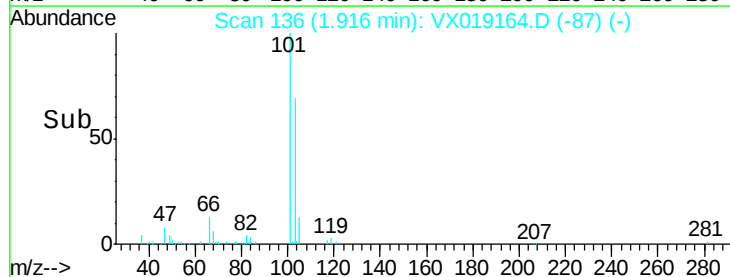
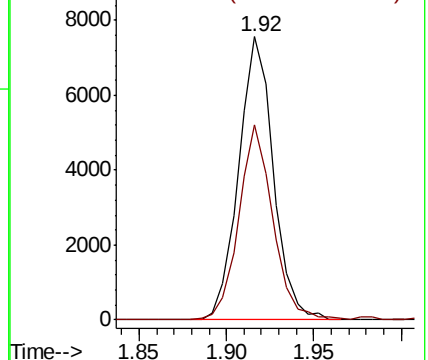
101 100

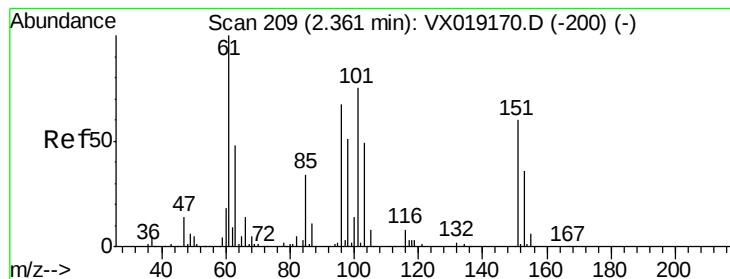
103 67.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.441 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

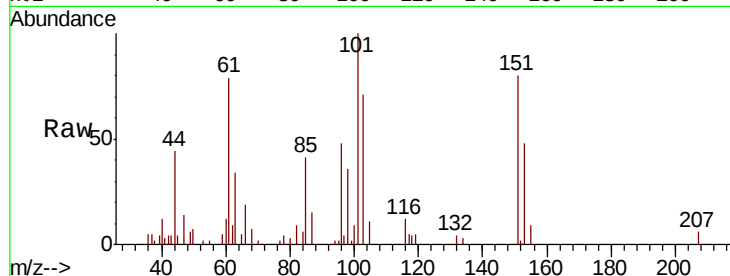
Tot Ion:101 Resp: 6033

Ion Ratio Lower Upper

101 100

85 45.4 35.3 52.9

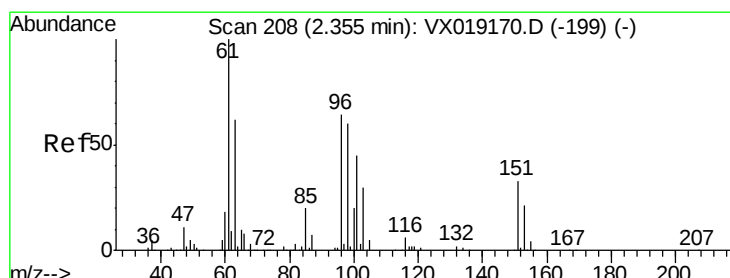
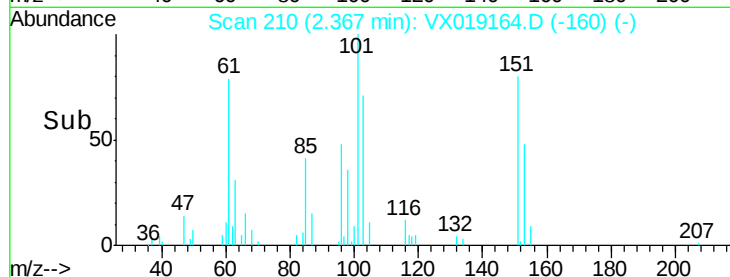
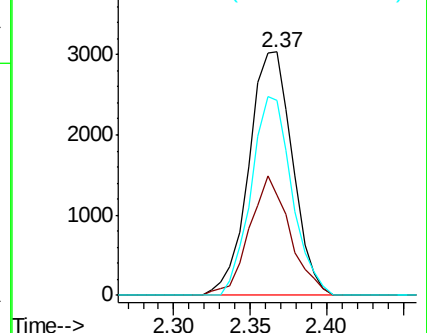
151 76.2 60.9 91.3



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: 0.447 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

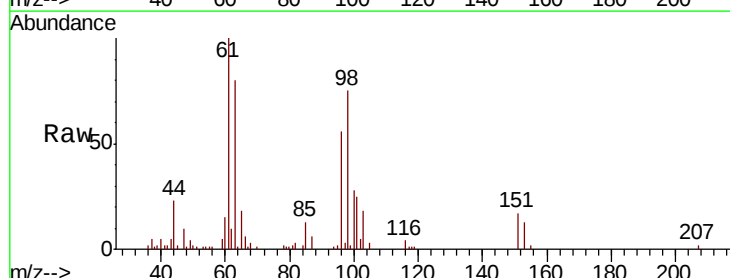
Tgt Ion: 96 Resp: 5949

Ion Ratio Lower Upper

96 100

61 179.0 109.5 203.3

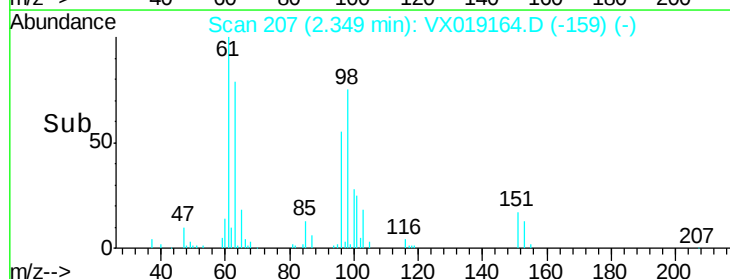
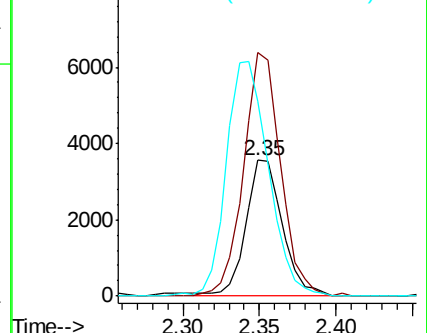
63 143.8 68.3 126.9#

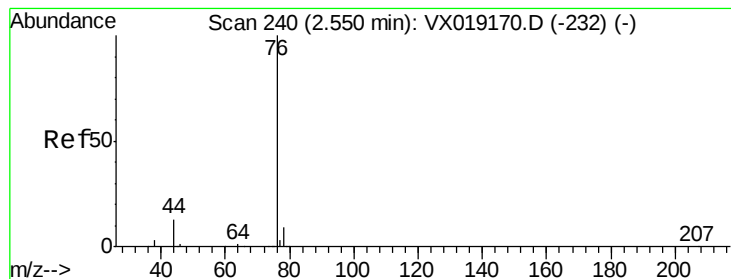


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#14

Carbon disulfide

Concen: 0.483 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampled :

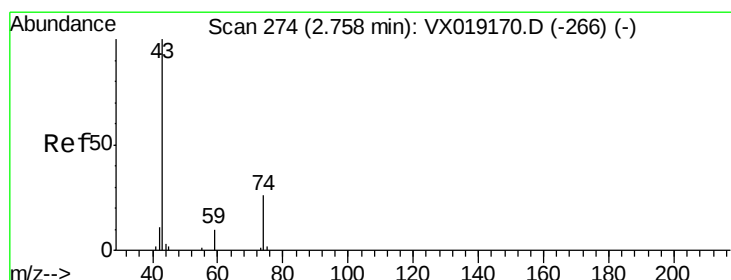
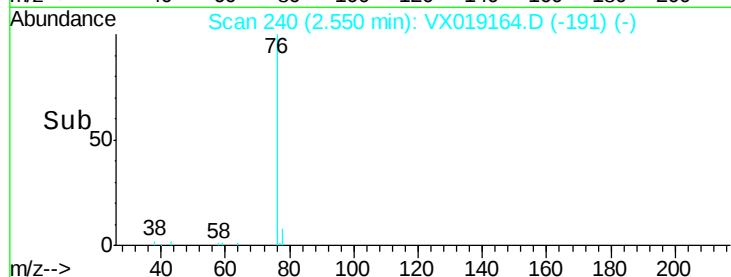
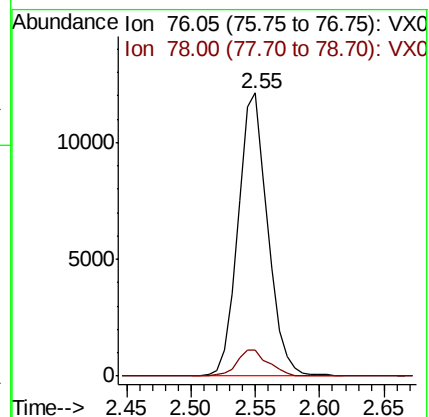
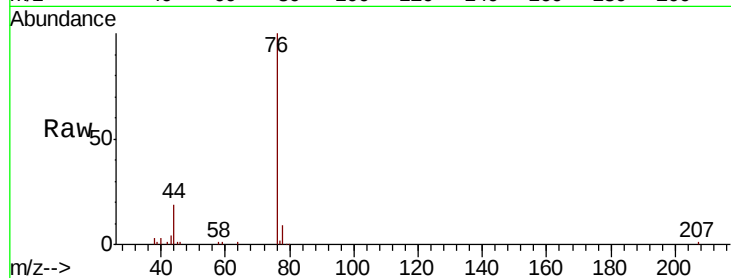
VSTD0.5301

Tot Ion: 76 Resp: 19325

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



#15

Methyl Acetate

Concen: 0.386 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX019164.D

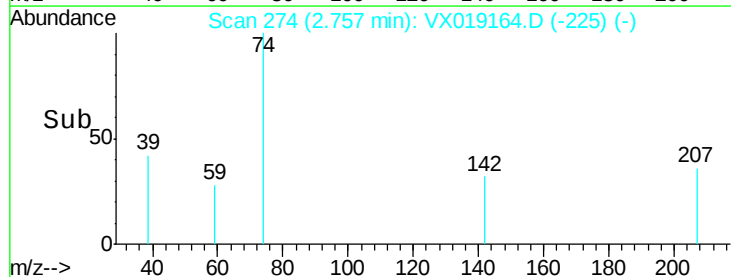
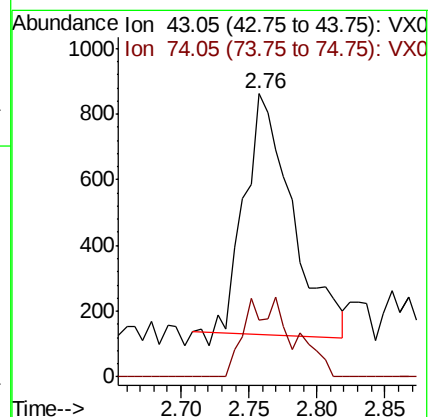
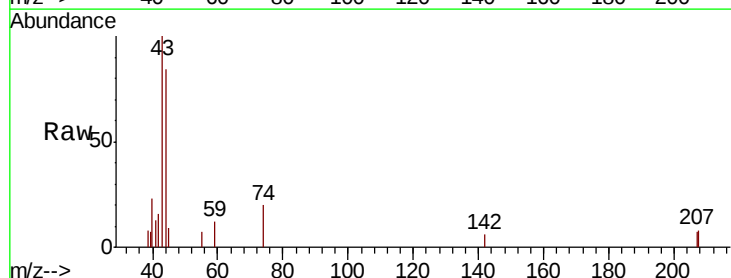
Acq: 28 Oct 2020 15:09

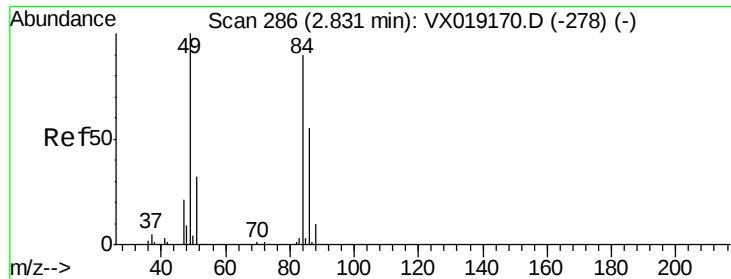
Tgt Ion: 43 Resp: 1795

Ion Ratio Lower Upper

43 100

74 33.3 22.3 33.5

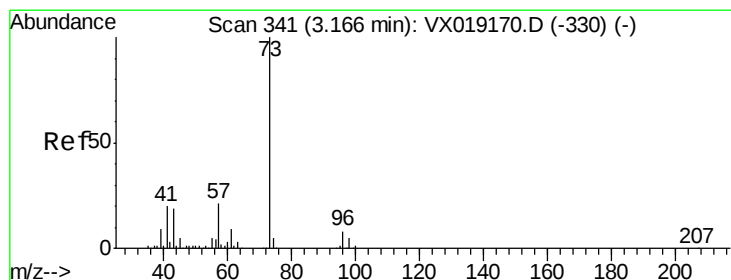
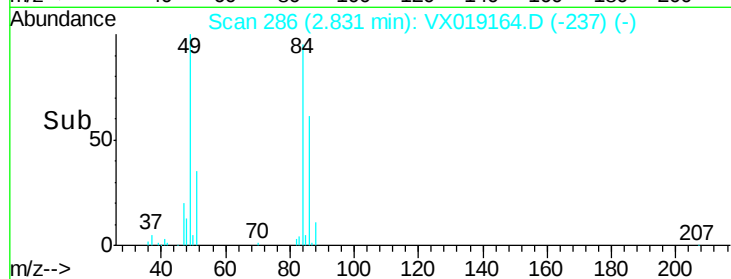
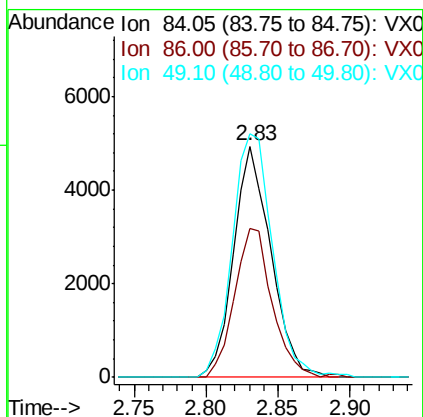
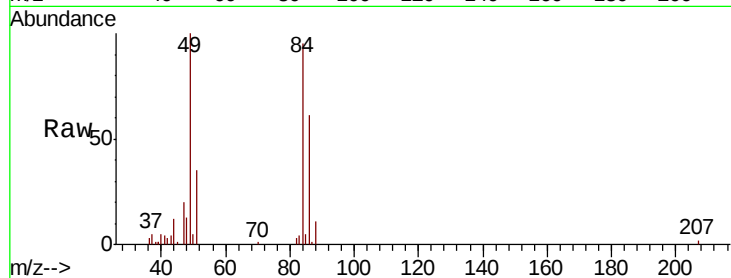




#16
Methylene chloride
Concen: 0.646 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

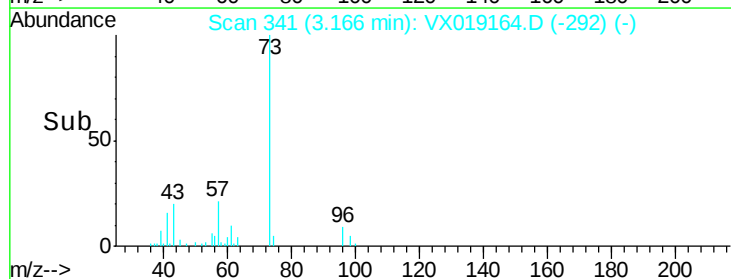
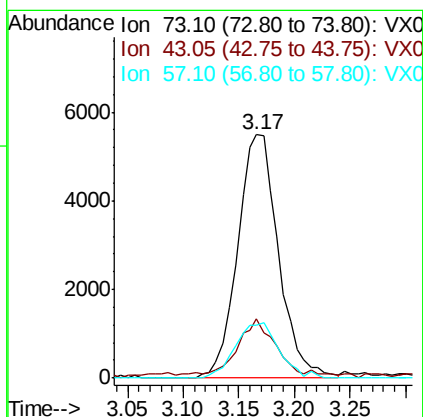
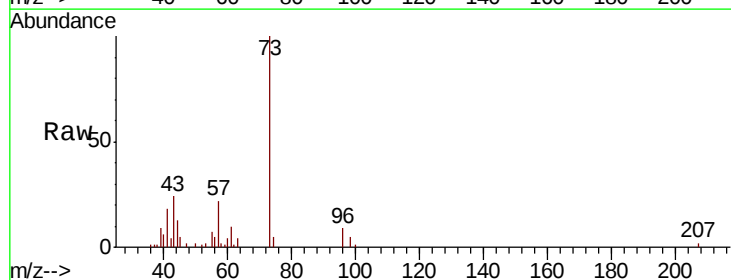
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5301

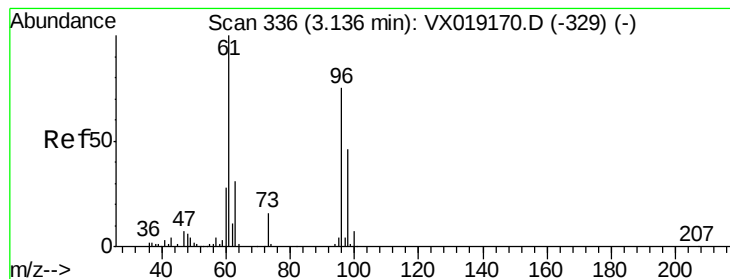
Tot Ion: 84 Resp: 8875
Ion Ratio Lower Upper
84 100
86 64.3 42.2 78.4
49 105.3 77.5 143.9



#17
Methyl tert-butyl Ether
Concen: 0.437 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

Tgt Ion: 73 Resp: 13972
Ion Ratio Lower Upper
73 100
43 20.6 16.1 24.1
57 24.5 16.8 25.2





#18

trans-1,2-Dichloroethene

Concen: 0.458 ug/L

RT: 3.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

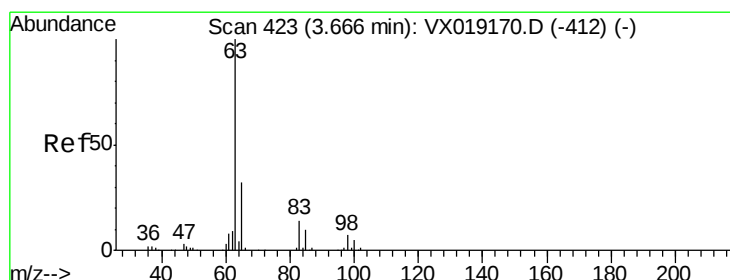
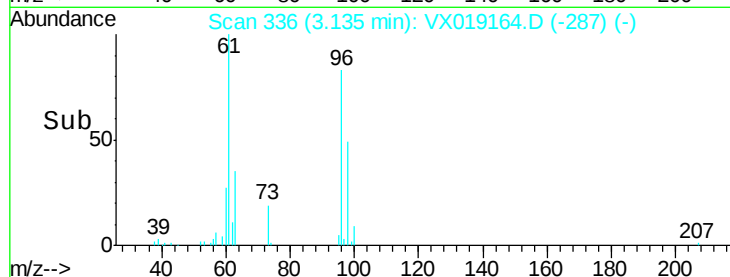
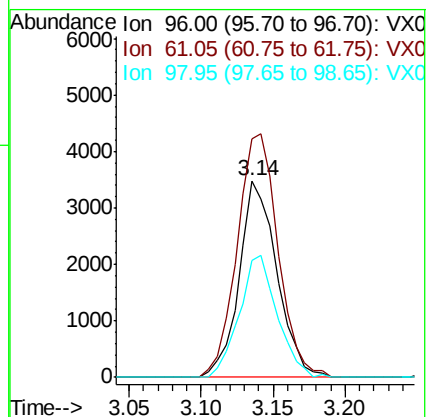
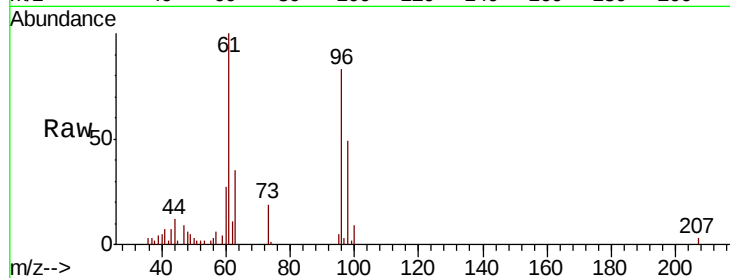
Tot Ion: 96 Resp: 6337

Ion Ratio Lower Upper

96 100

61 121.1 93.7 173.9

98 59.4 42.8 79.6



#19

1,1-Dichloroethane

Concen: 0.461 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

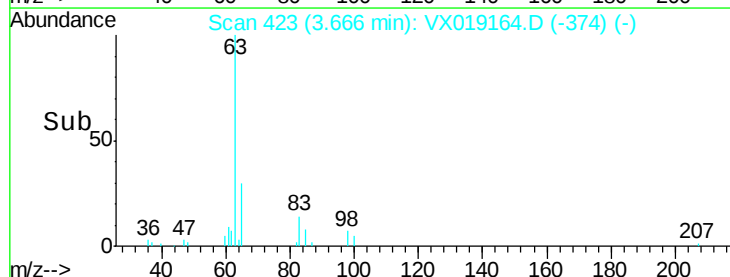
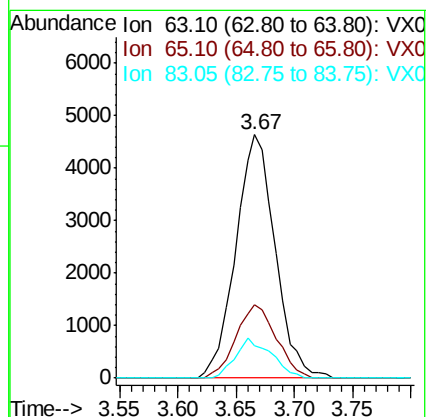
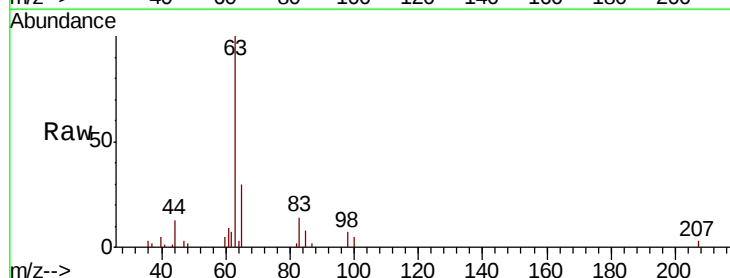
Tgt Ion: 63 Resp: 10919

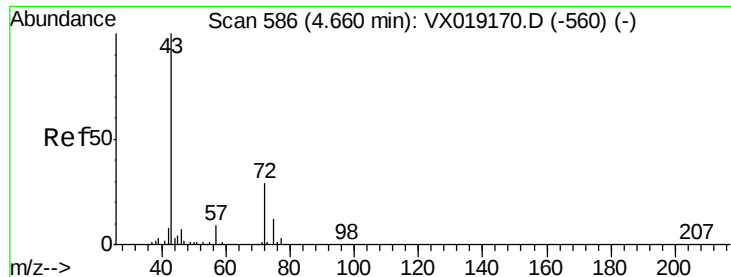
Ion Ratio Lower Upper

63 100

65 30.0 22.5 41.9

83 13.6 9.7 17.9





#21

2-Butanone

Concen: 4.610 ug/L

RT: 4.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

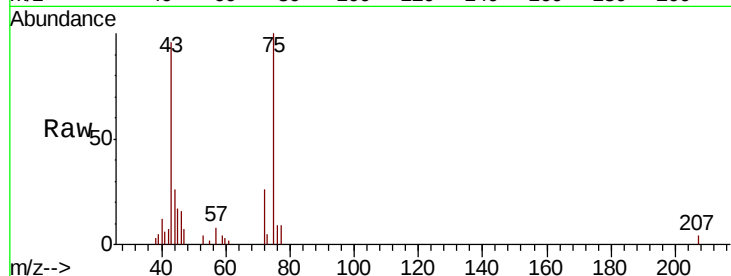
VSTD0.5301

Tot Ion: 43 Resp: 13754

Ion Ratio Lower Upper

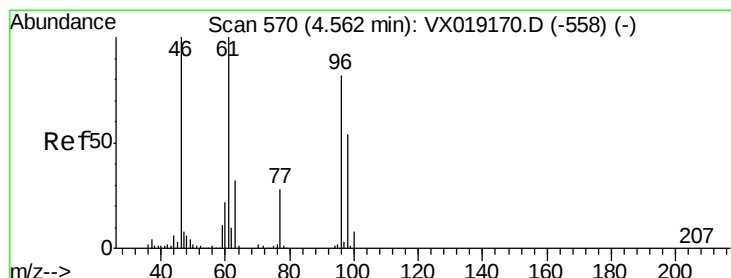
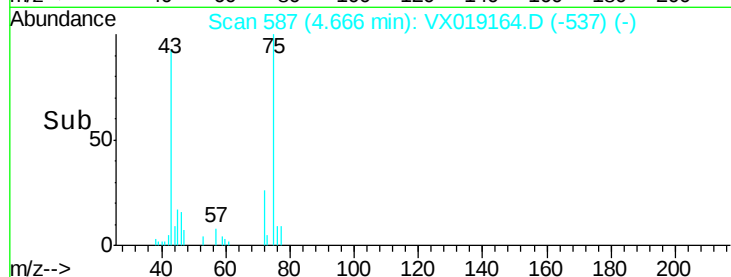
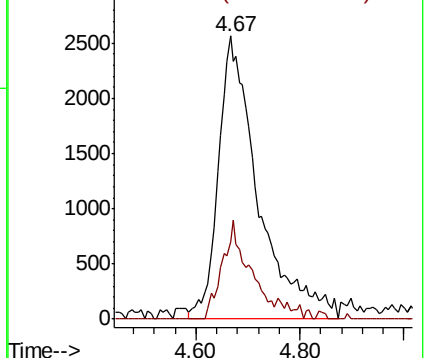
43 100

72 23.6 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: 0.459 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

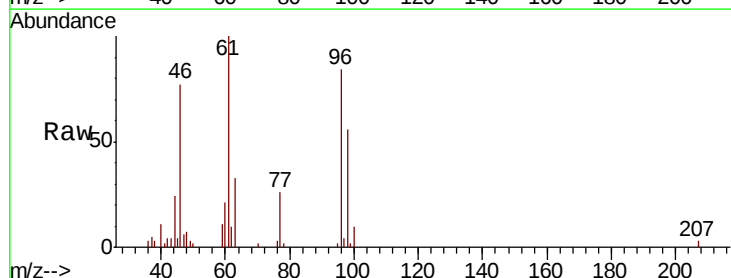
Tgt Ion: 96 Resp: 6691

Ion Ratio Lower Upper

96 100

61 118.5 85.7 159.1

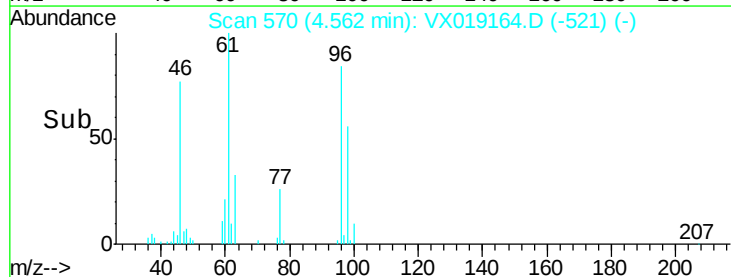
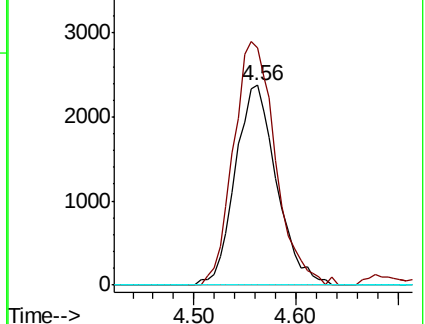
68 0.0 0.0 0.0

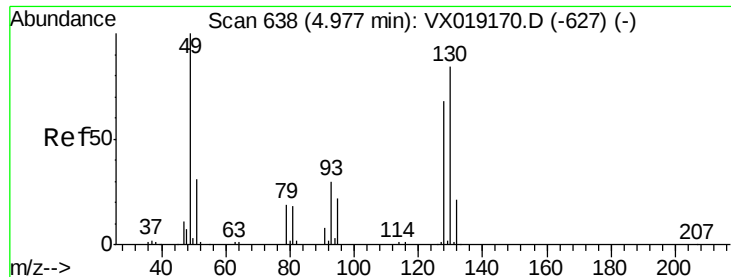


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0





#23

Bromochloromethane

Concen: 0.436 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

Tot Ion:128 Resp: 2718

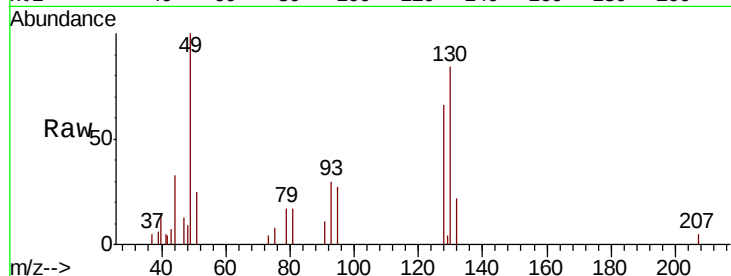
Ion Ratio Lower Upper

128 100

49 152.3 102.8 191.0

130 128.6 86.3 160.3

51 38.1 36.5 54.7



Abundance Ion 127.90 (127.60 to 128.60): V

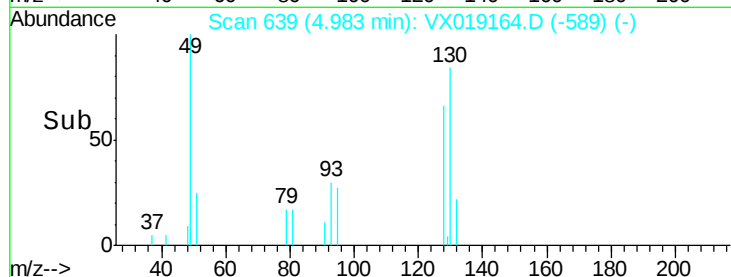
Ion 49.10 (48.80 to 49.80): VX0

Ion 129.95 (129.65 to 130.65): V

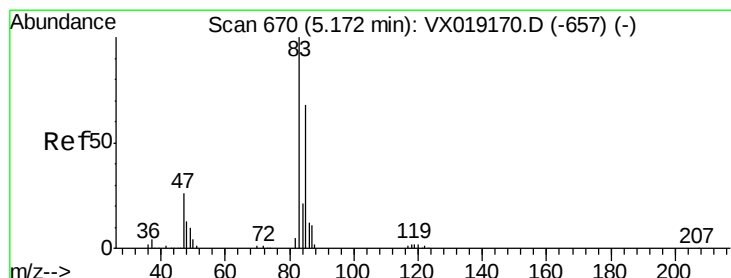
Ion 51.05 (50.75 to 51.75): VX0

4.98

Time-->



Time-->



#25

Chloroform

Concen: 0.456 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX019164.D

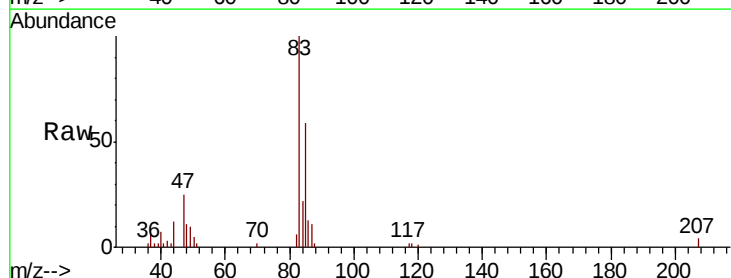
Acq: 28 Oct 2020 15:09

Tgt Ion: 83 Resp: 11116

Ion Ratio Lower Upper

83 100

85 59.0 47.6 88.4

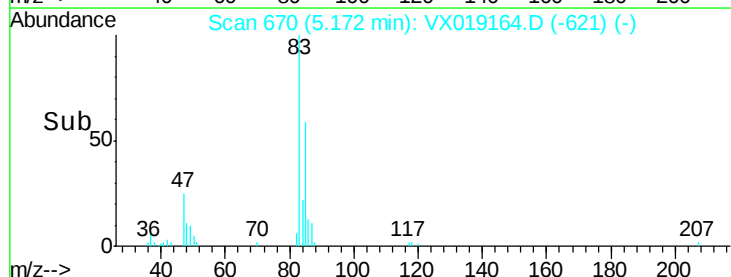


Abundance Ion 83.05 (82.75 to 83.75): VX0

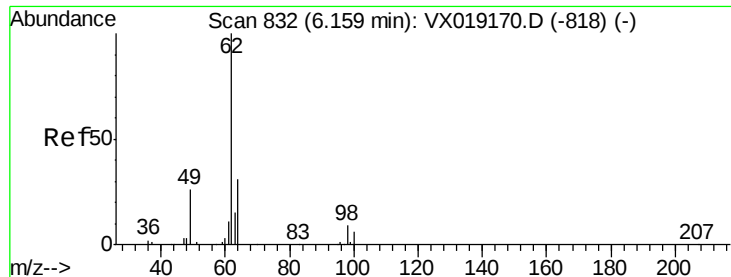
Ion 85.00 (84.70 to 85.70): VX0

5.17

Time-->



Time-->



#27

1,2-Dichloroethane

Concen: 0.460 ug/L

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

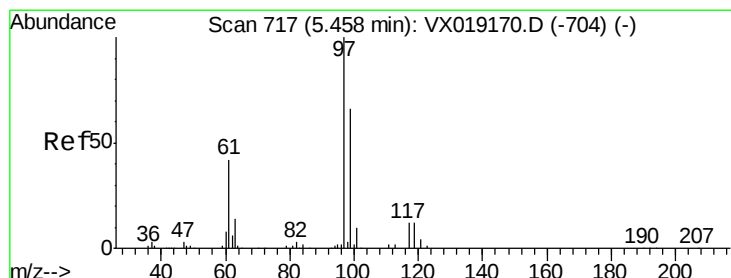
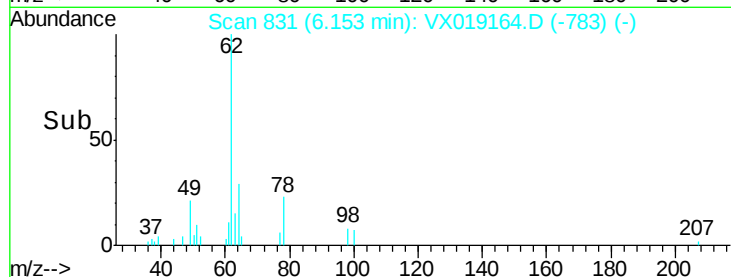
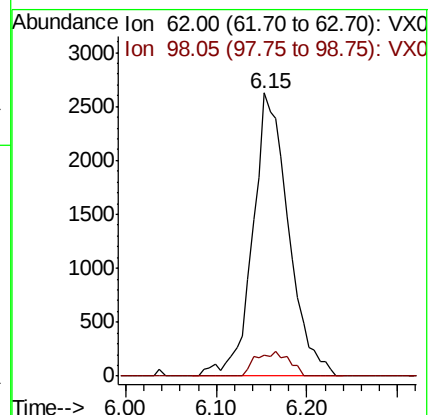
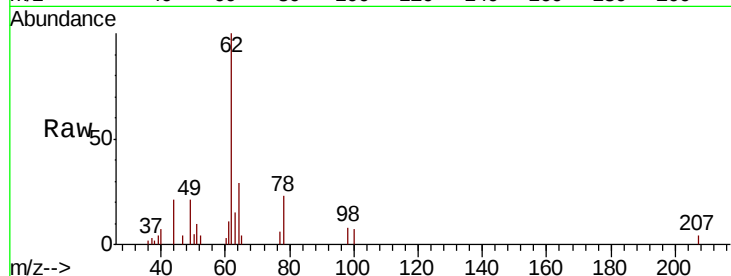
VSTD0.5301

Tot Ion: 62 Resp: 7149

Ion Ratio Lower Upper

62 100

98 7.6 7.4 11.0



#29

1,1,1-Trichloroethane

Concen: 0.442 ug/L

RT: 5.45 min Scan# 716

Delta R.T. -0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

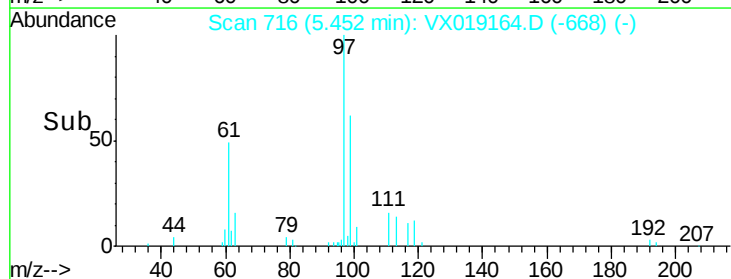
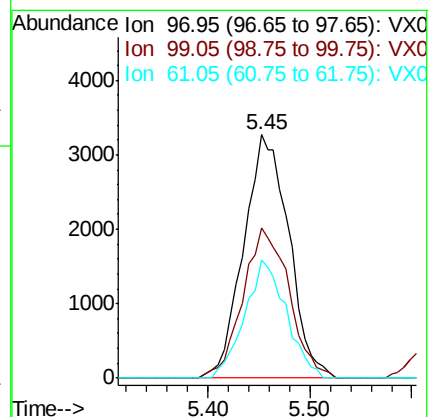
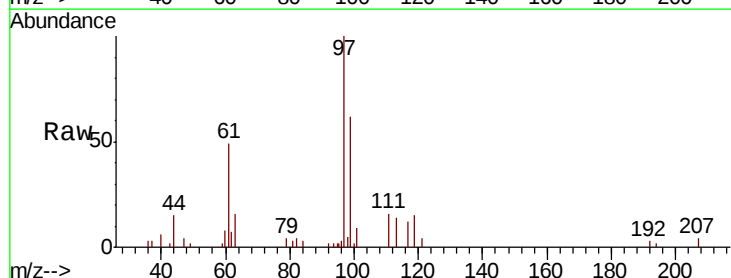
Tgt Ion: 97 Resp: 10049

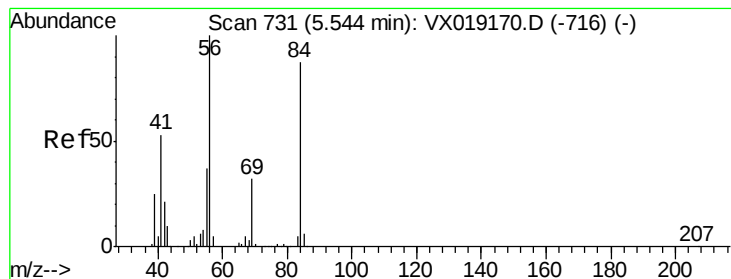
Ion Ratio Lower Upper

97 100

99 62.9 51.8 77.8

61 44.7 34.5 51.7





#30

Cyclohexane

Concen: 0.442 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

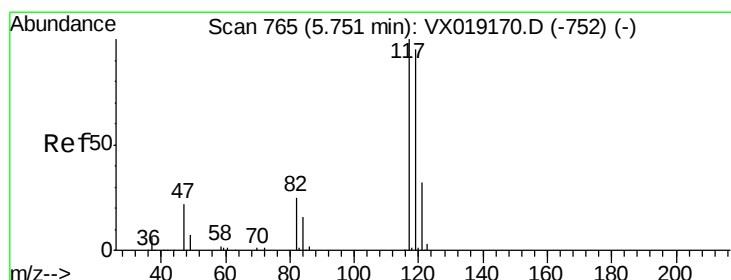
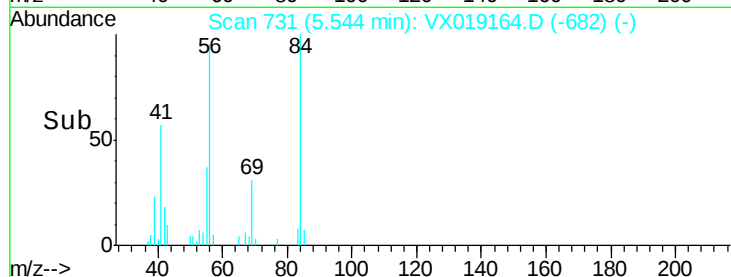
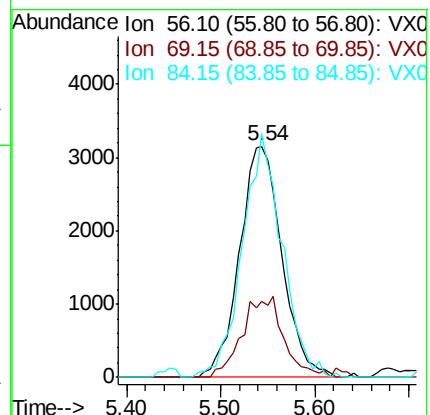
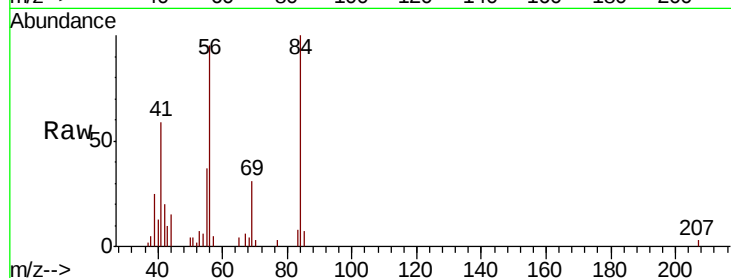
Tot Ion: 56 Resp: 9910

Ion Ratio Lower Upper

56 100

69 34.2 26.2 39.2

84 98.8 74.5 111.7



#31

Carbon tetrachloride

Concen: 0.438 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX019164.D

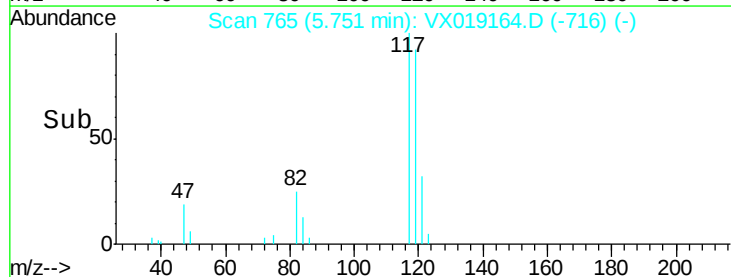
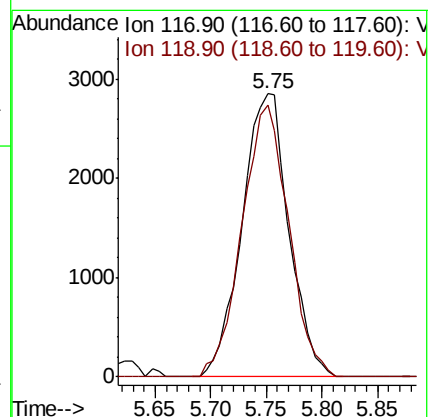
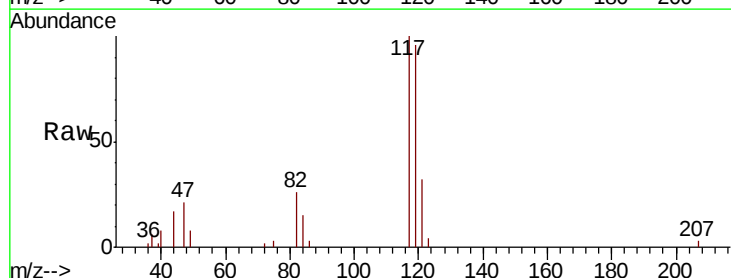
Acq: 28 Oct 2020 15:09

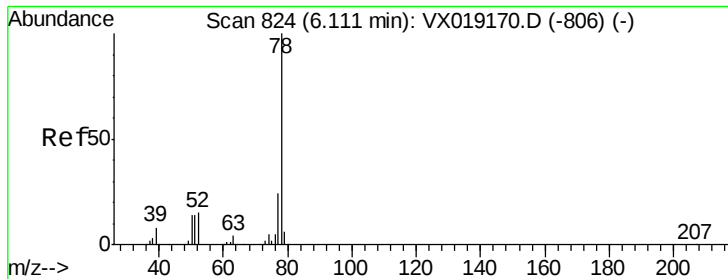
Tgt Ion: 117 Resp: 8371

Ion Ratio Lower Upper

117 100

119 95.4 77.3 115.9





#33

Benzene

Concen: 0.458 ug/L

RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

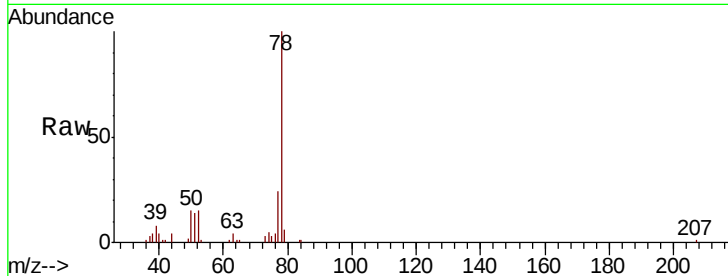
Instrument :

MSVOA_X

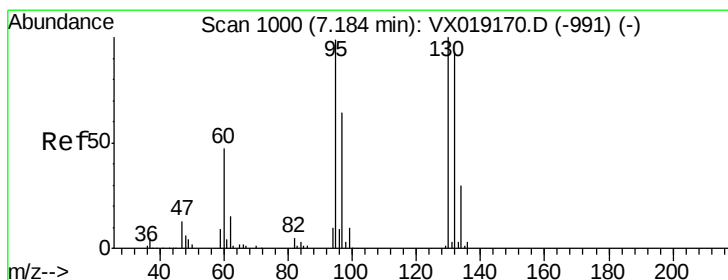
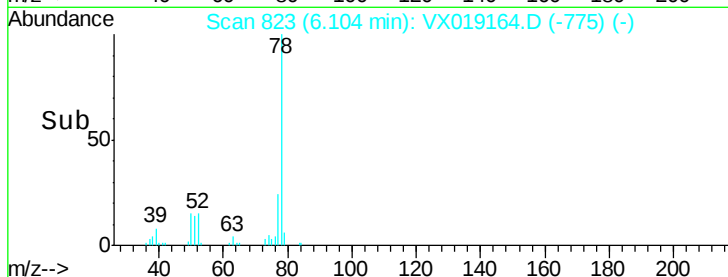
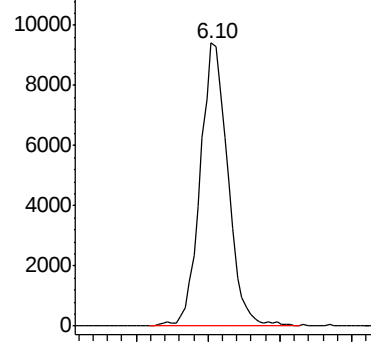
ClientSampleId :

VSTD0.5301

Tgt Ion: 78 Resp: 25115



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 0.459 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Tgt Ion: 95 Resp: 6872

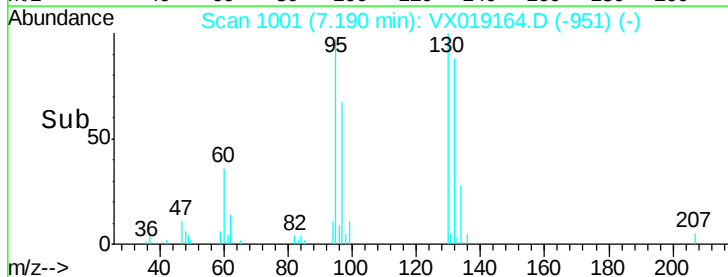
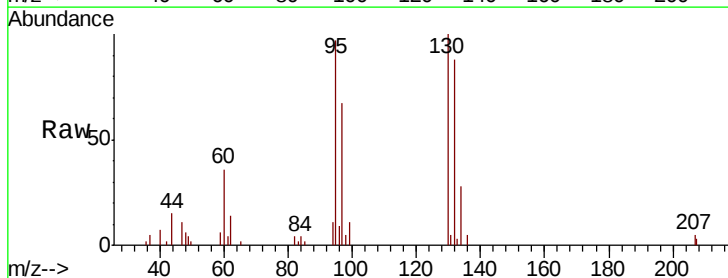
Ion	Ratio	Lower	Upper
95	100		
97	68.9	45.2	84.0
132	90.2	65.3	121.3
130	102.9	70.6	131.0

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



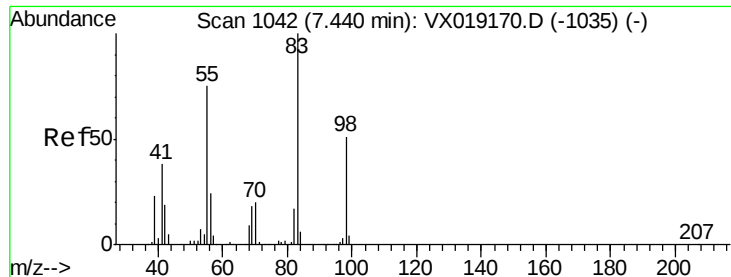
Abundance Ion 95.00 (94.70 to 95.70): VX0

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

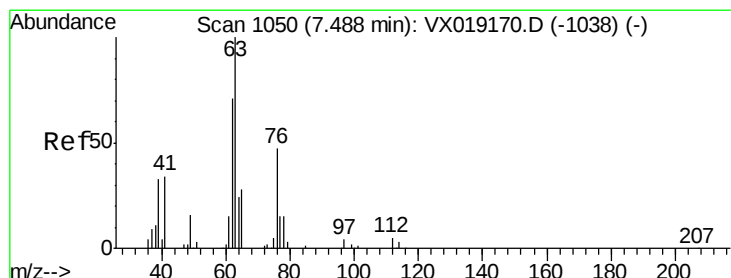
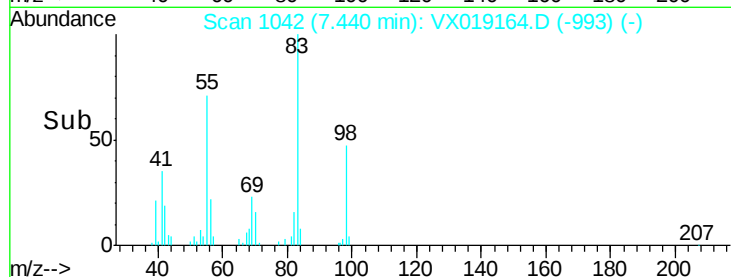
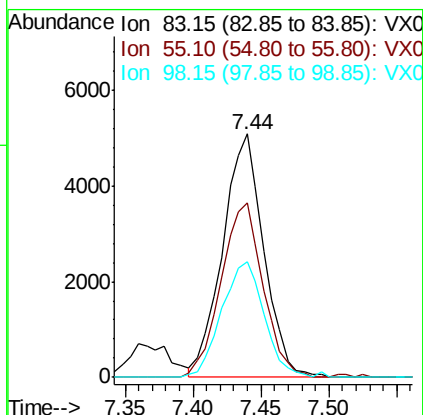
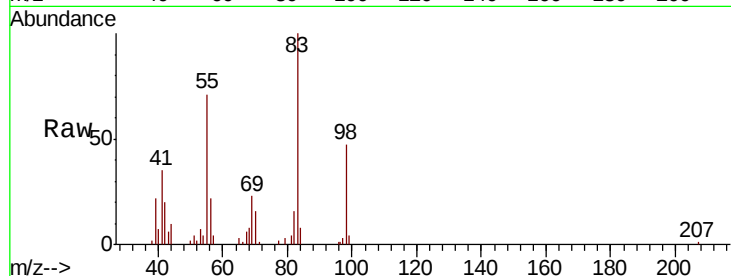
Time-->



#35
Methvlcvclohexane
Concen: 0.445 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

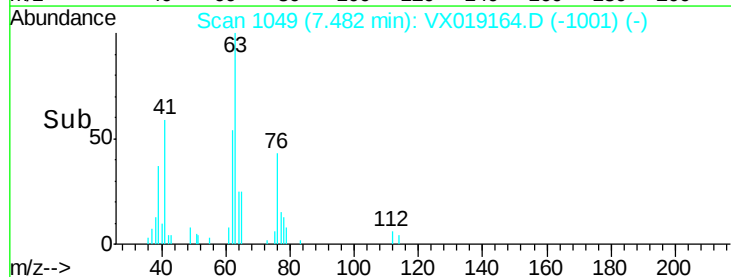
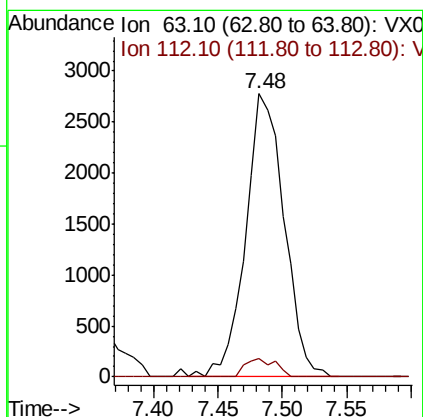
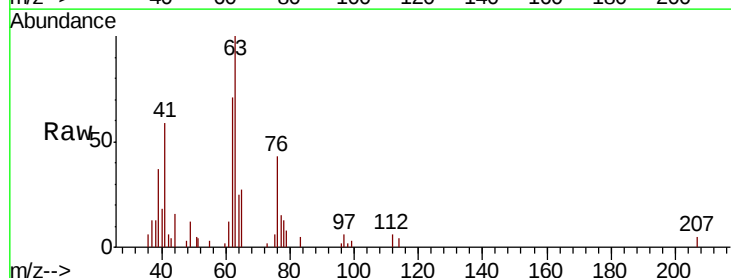
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5301

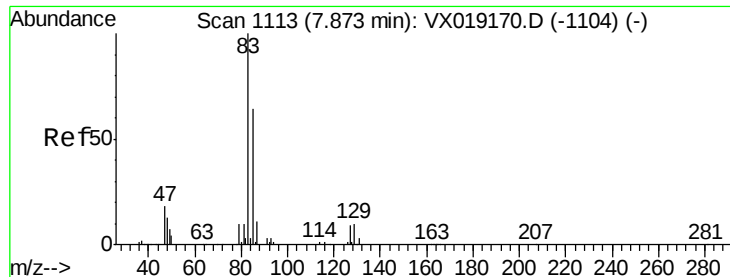
Tot Ion: 83 Resp: 10702
Ion Ratio Lower Upper
83 100
55 73.0 58.5 87.7
98 49.0 40.1 60.1



#37
1,2-Dichloropropane
Concen: 0.439 ug/L
RT: 7.48 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

Tgt Ion: 63 Resp: 5730
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.6





#38

Bromodichloromethane

Concen: 0.424 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

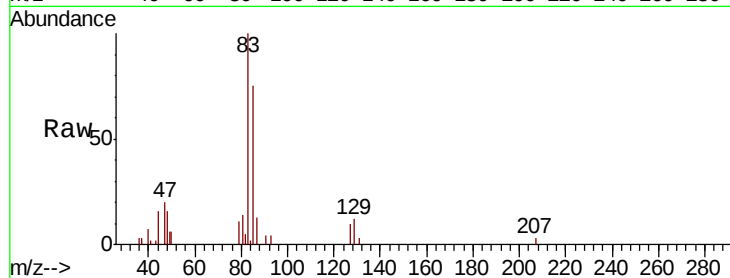
Tot Ion: 83 Resp: 7130

Ion Ratio Lower Upper

83 100

85 75.0 44.4 82.5

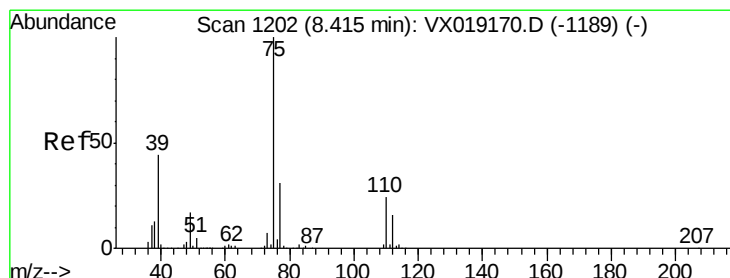
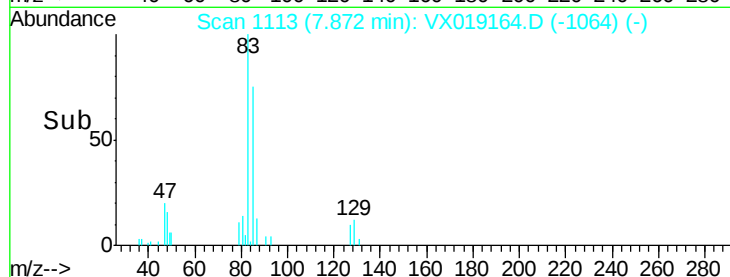
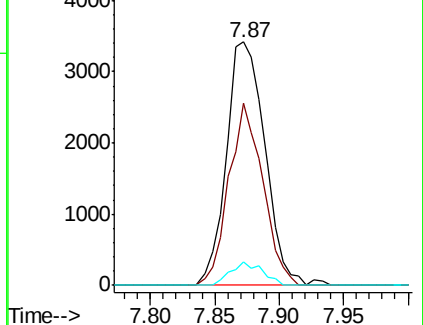
127 9.5 7.2 10.8



Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.425 ug/L

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019164.D

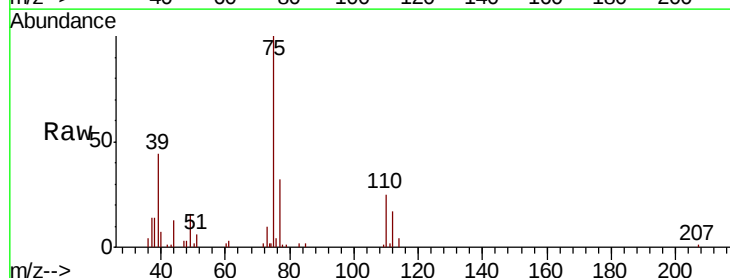
Acq: 28 Oct 2020 15:09

Tgt Ion: 75 Resp: 8479

Ion Ratio Lower Upper

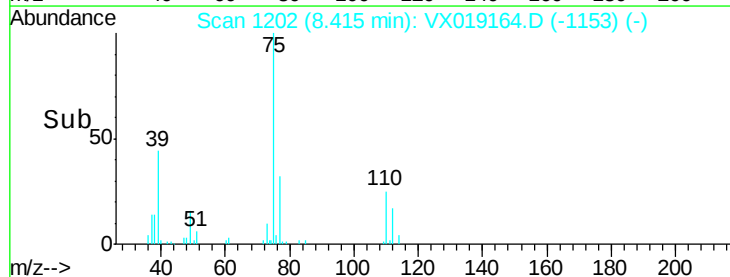
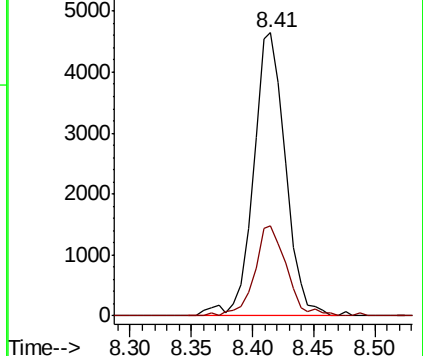
75 100

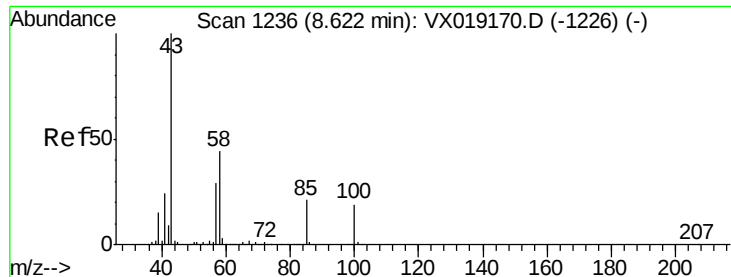
77 31.7 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

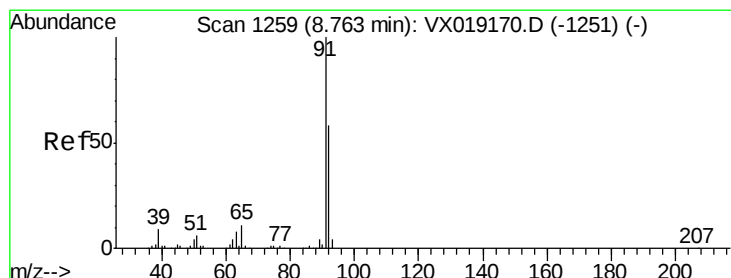
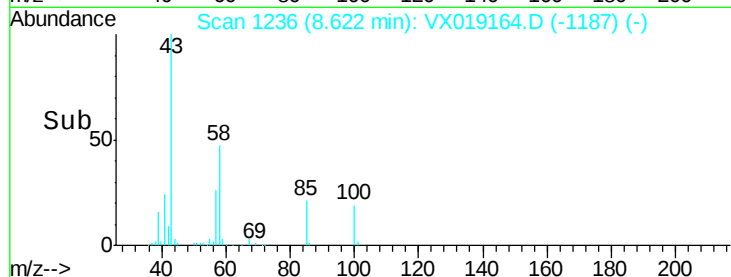
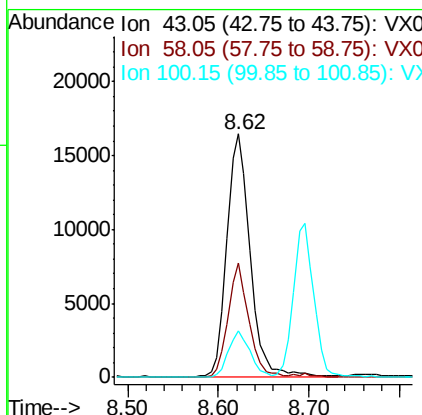
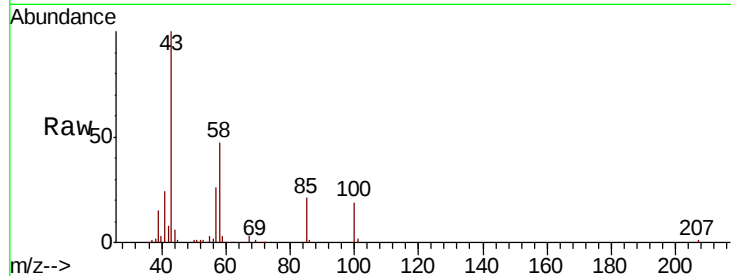




#40
4-Methyl-2-pentanone
Concen: 4.142 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

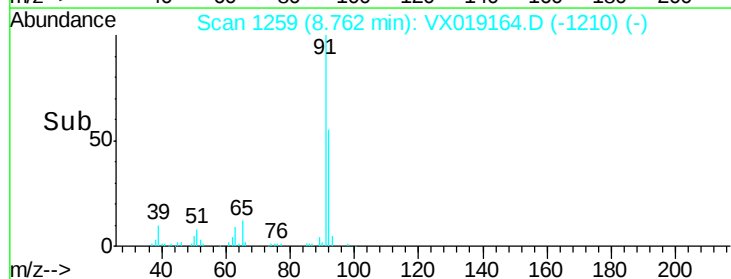
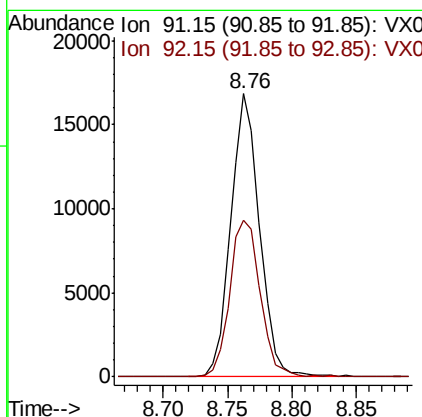
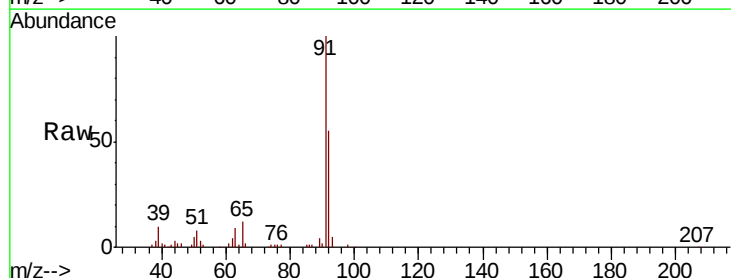
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5301

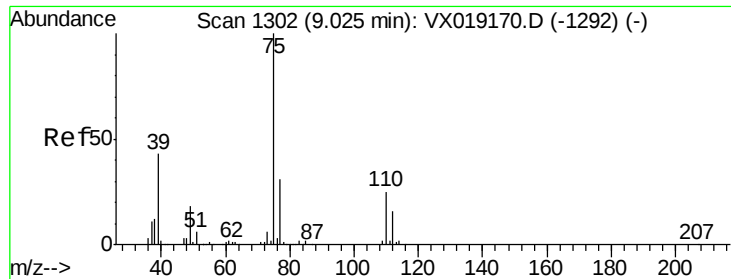
Tot Ion: 43 Resp: 29601
Ion Ratio Lower Upper
43 100
58 41.5 34.1 51.1
100 17.6 15.0 22.4



#42
Toluene
Concen: 0.439 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

Tgt Ion: 91 Resp: 26174
Ion Ratio Lower Upper
91 100
92 55.2 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 0.410 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

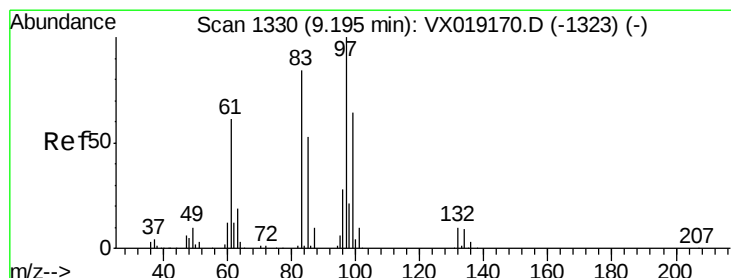
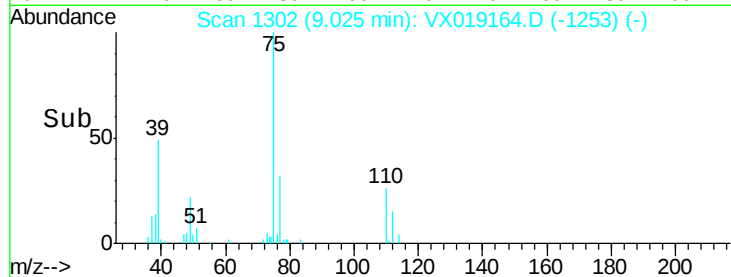
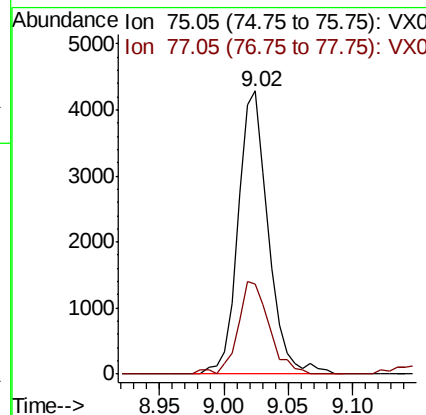
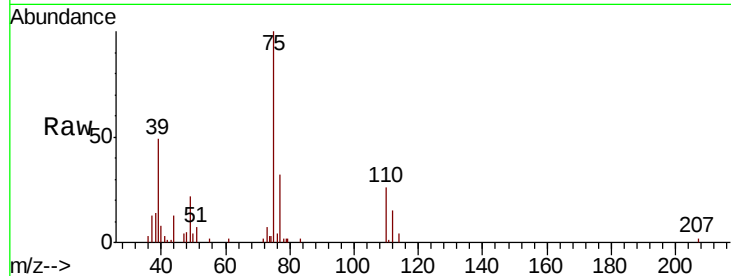
VSTD0.5301

Tot Ion: 75 Resp: 6946

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



#45

1,1,2-Trichloroethane

Concen: 0.436 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Tgt Ion: 97 Resp: 4175

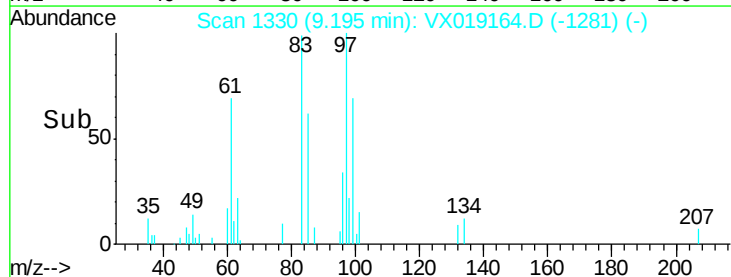
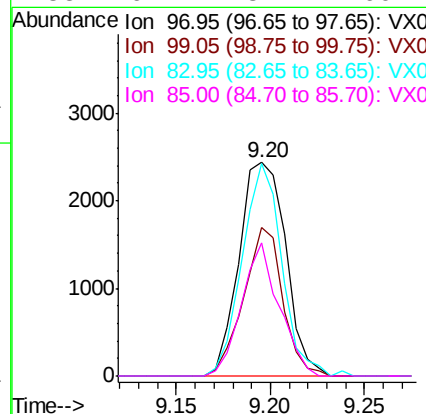
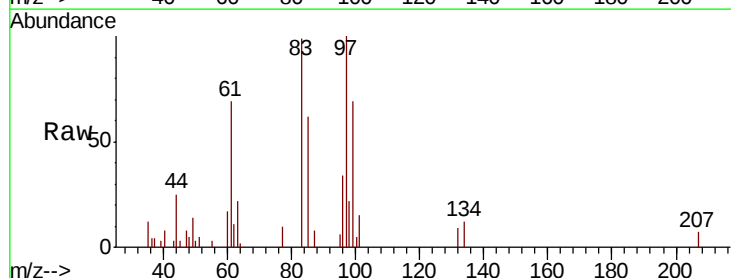
Ion Ratio Lower Upper

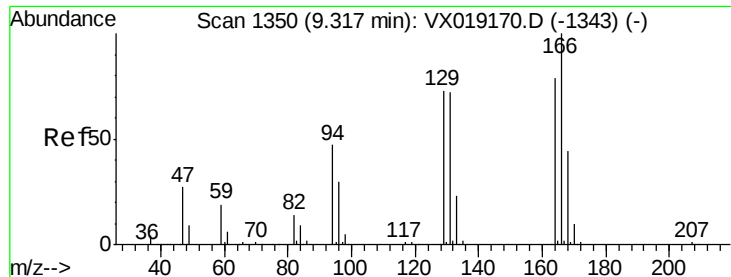
97 100

99 69.3 44.8 83.2

83 99.3 59.1 109.7

85 62.2 37.4 69.4

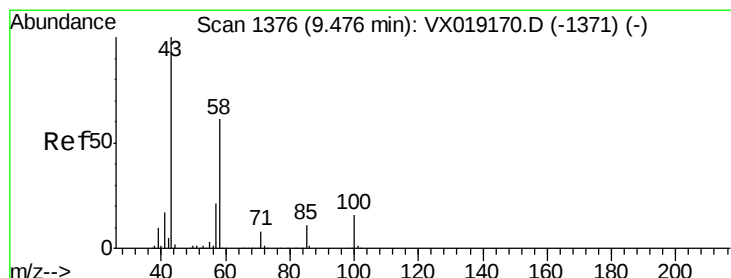
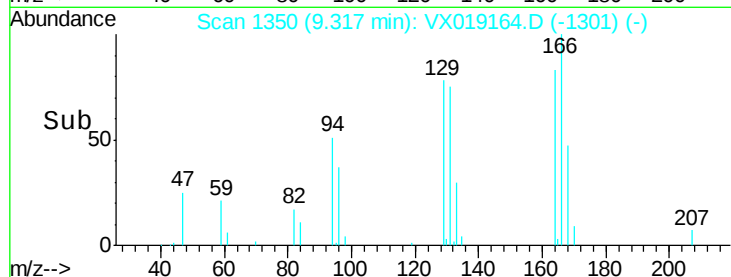
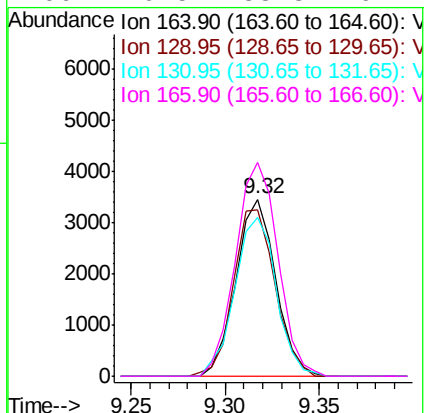
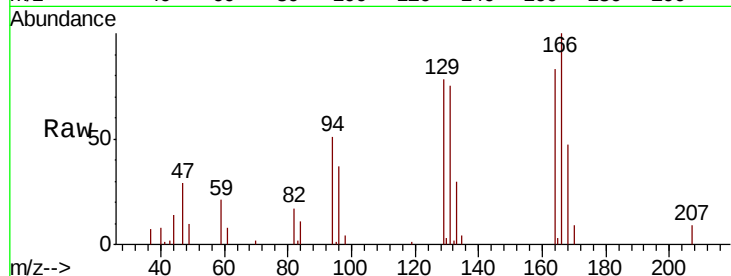




#47
Tetrachloroethene
Concen: 0.443 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

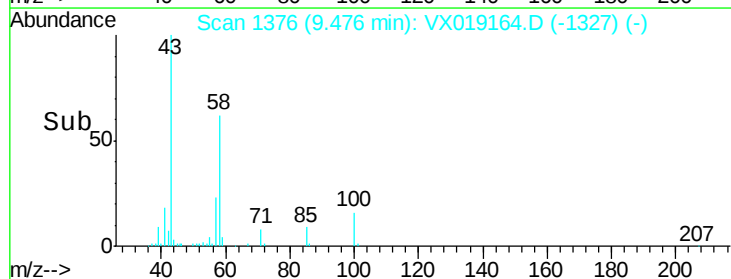
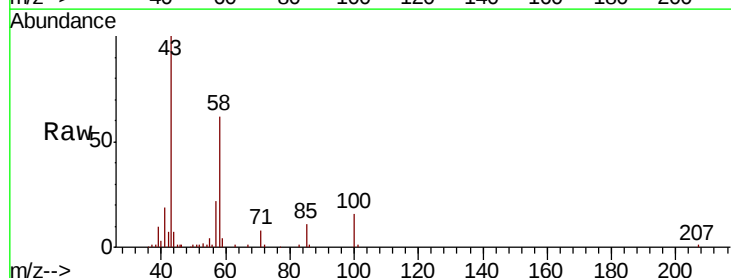
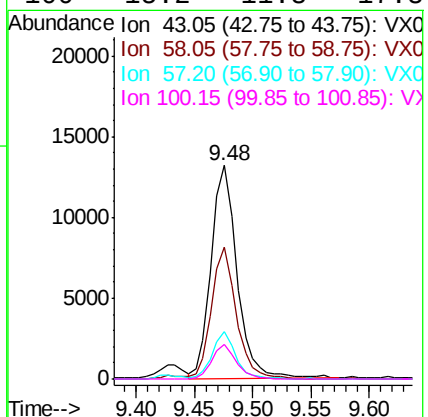
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5301

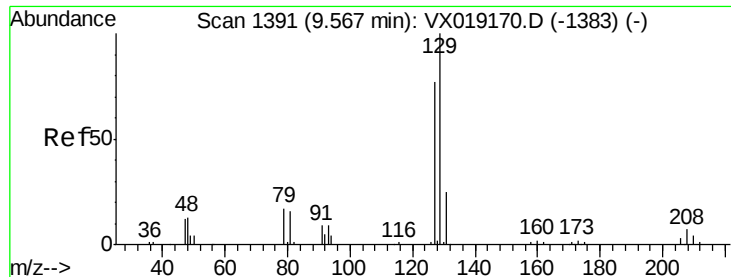
Tot Ion:	164	Resp:	5055
Ion	Ratio	Lower	Upper
164	100		
129	94.2	64.2	119.2
131	89.8	63.8	118.4
166	120.5	88.3	164.1



#48
2-Hexanone
Concen: 4.000 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

Tgt Ion:	43	Resp:	20102
Ion	Ratio	Lower	Upper
43	100		
58	60.3	49.3	73.9
57	20.7	17.2	25.8
100	15.2	11.8	17.8





#49

Dibromochloromethane

Concen: 0.413 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

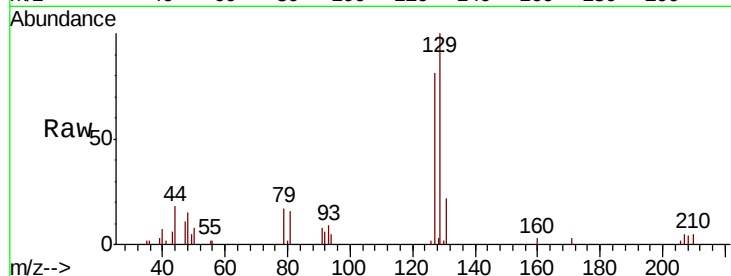
VSTD0.5301

Tot Ion:129 Resp: 4538

Ion Ratio Lower Upper

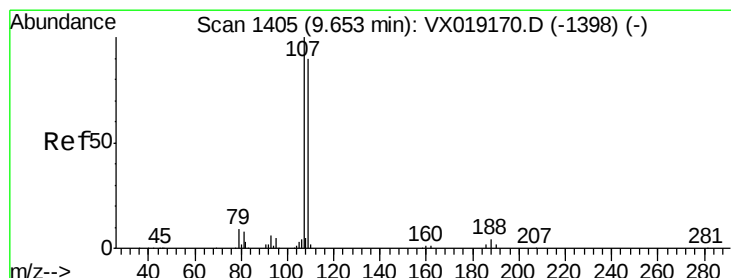
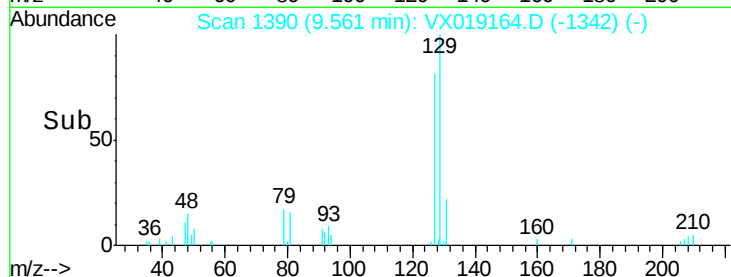
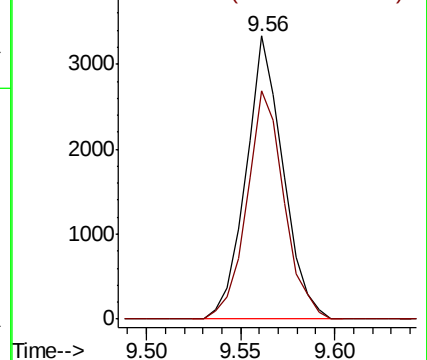
129 100

127 80.6 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: 0.427 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

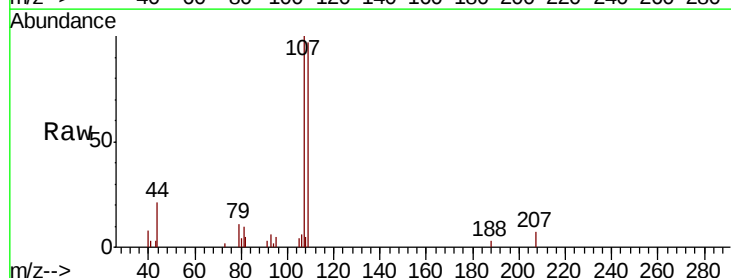
Tgt Ion:107 Resp: 3791

Ion Ratio Lower Upper

107 100

109 97.0 62.9 116.9

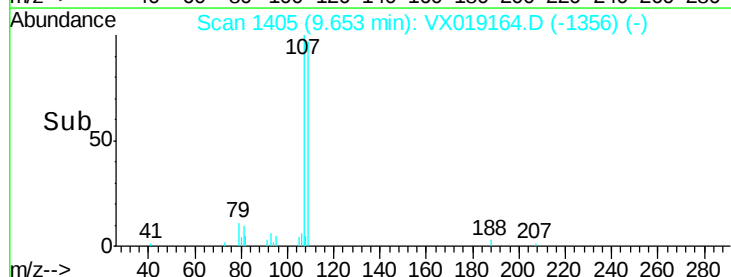
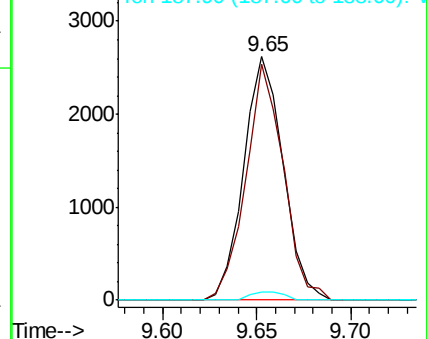
188 3.1 3.0 4.4

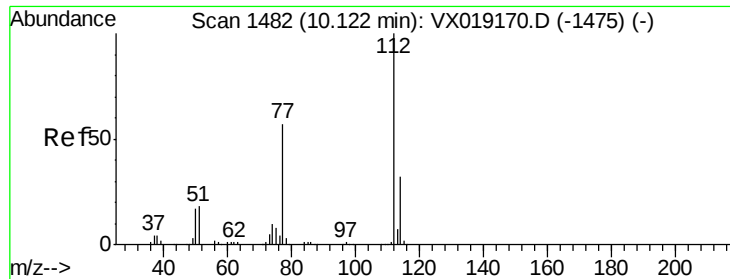


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.449 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

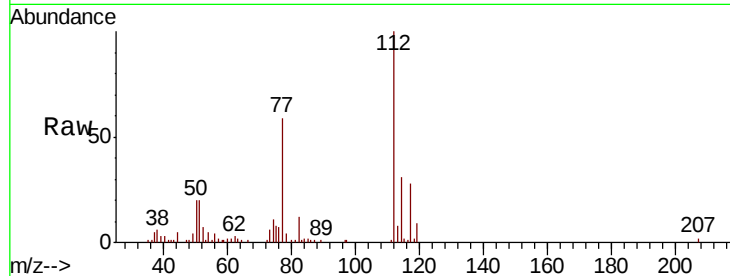
Tot Ion:112 Resp: 16716

Ion Ratio Lower Upper

112 100

114 31.1 22.5 41.9

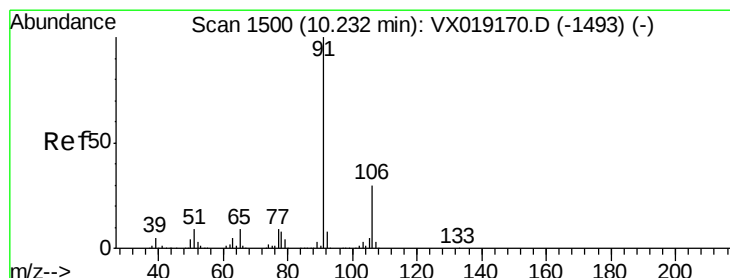
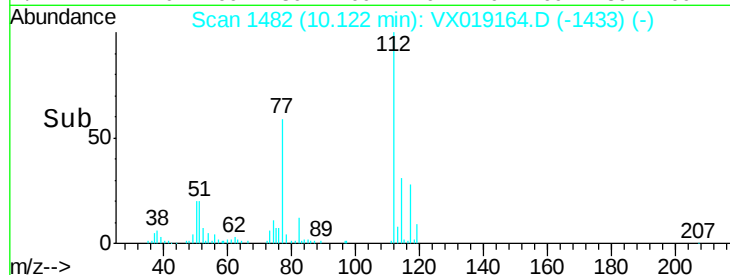
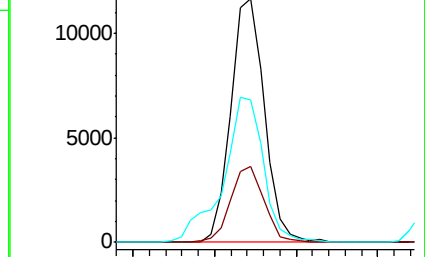
77 58.5 46.2 69.2



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: 0.432 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019164.D

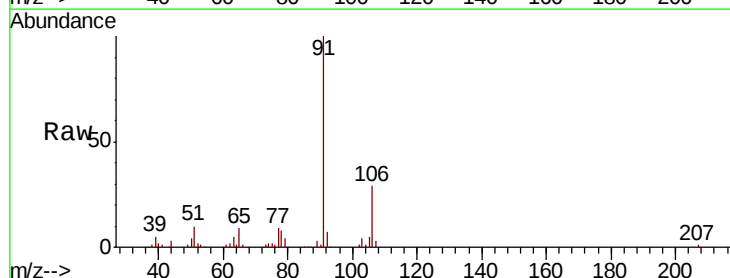
Acq: 28 Oct 2020 15:09

Tgt Ion: 91 Resp: 28736

Ion Ratio Lower Upper

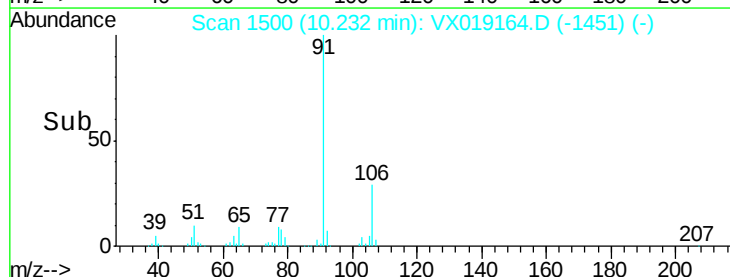
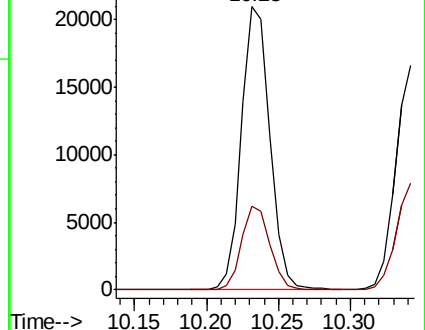
91 100

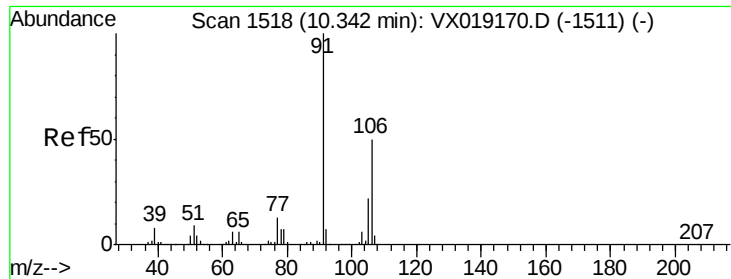
106 29.5 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.424 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

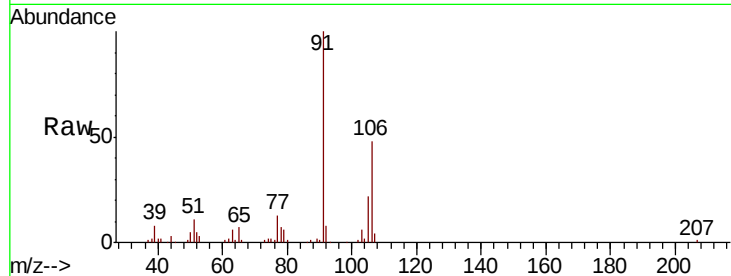
VSTD0.5301

Tot Ion:106 Resp: 10866

Ion Ratio Lower Upper

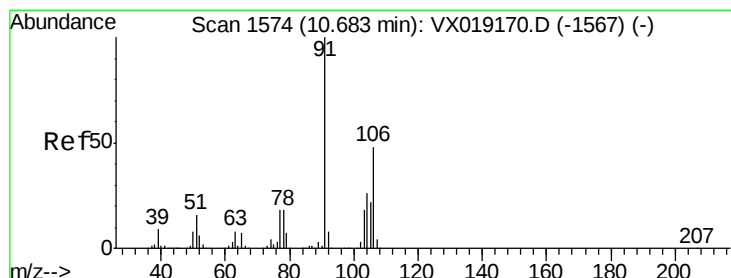
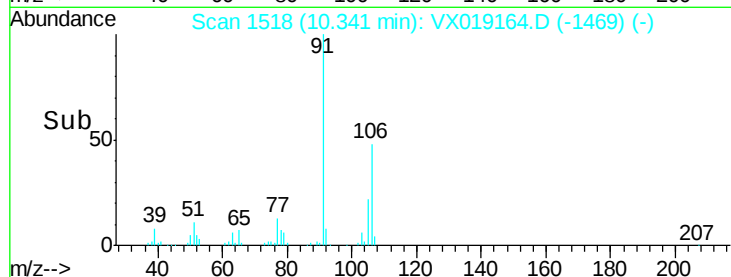
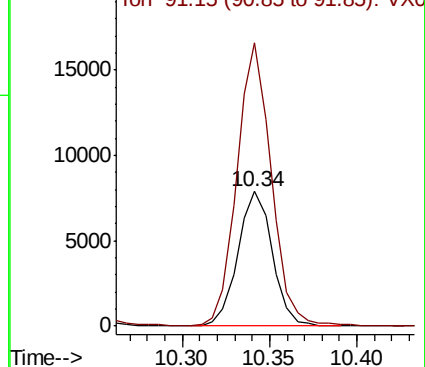
106 100

91 210.1 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#54

o-xylene

Concen: 0.415 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019164.D

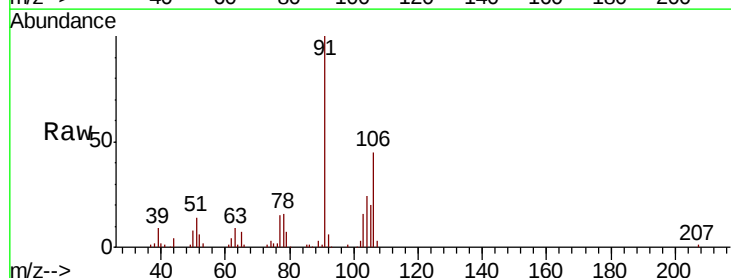
Acq: 28 Oct 2020 15:09

Tgt Ion:106 Resp: 10188

Ion Ratio Lower Upper

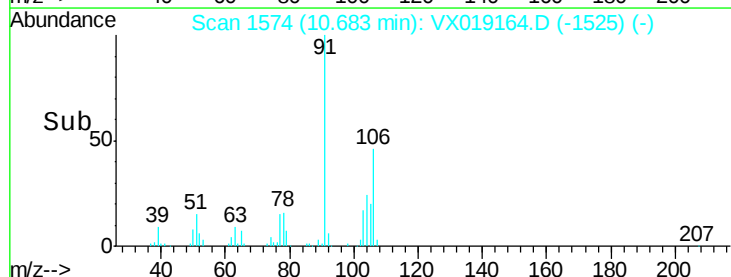
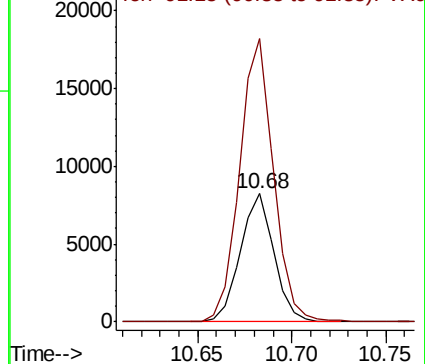
106 100

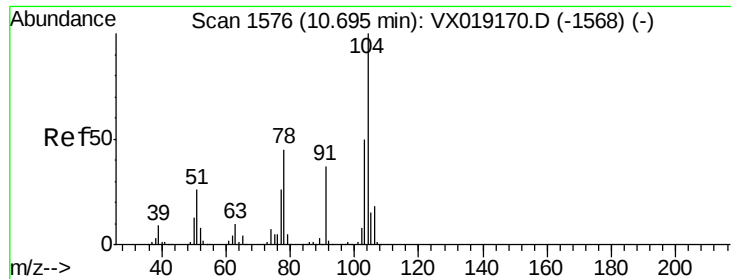
91 220.4 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#55

Stvrene

Concen: 0.403 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampled :

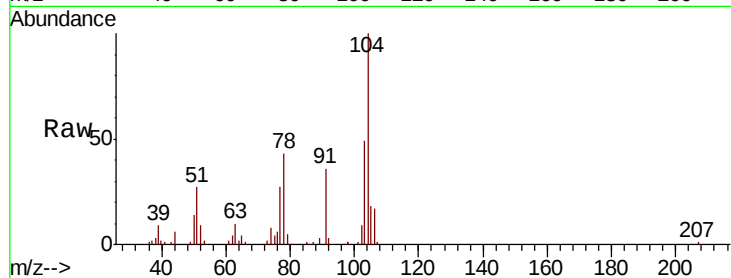
VSTD0.5301

Tot Ion:104 Resp: 16315

Ion Ratio Lower Upper

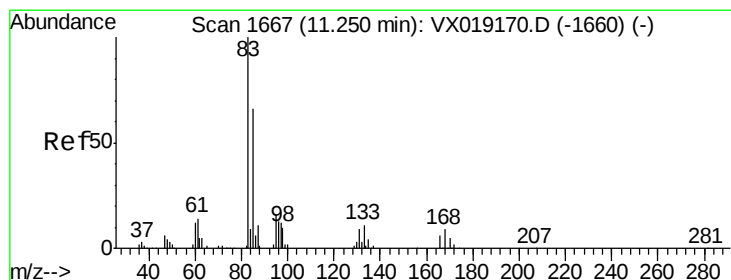
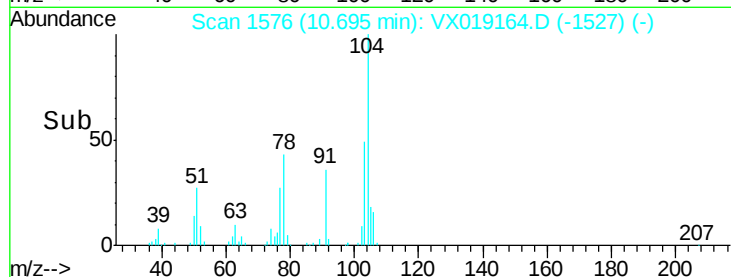
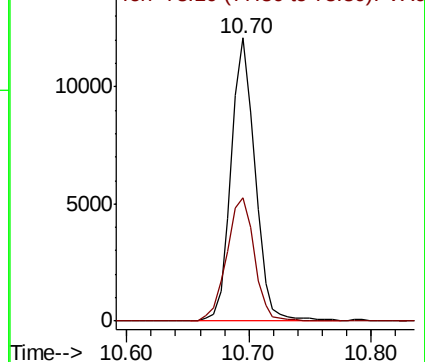
104 100

78 43.5 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: 0.421 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

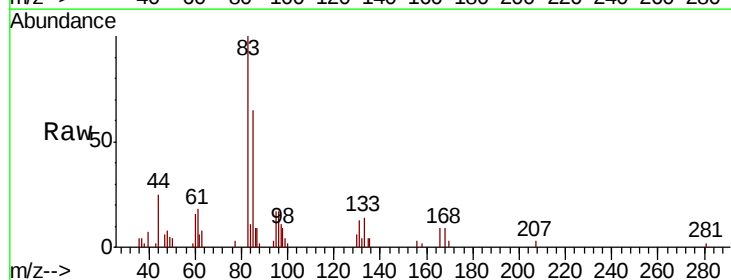
Tgt Ion: 83 Resp: 4612

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4

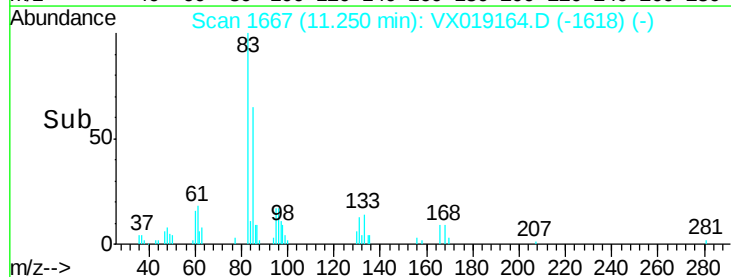
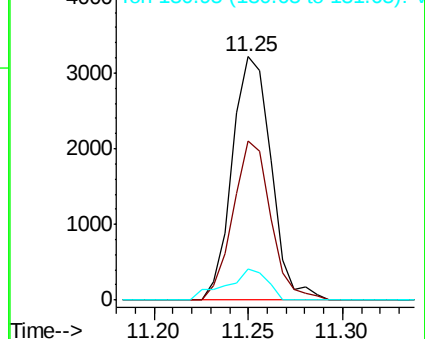
131 12.7 7.7 11.5#

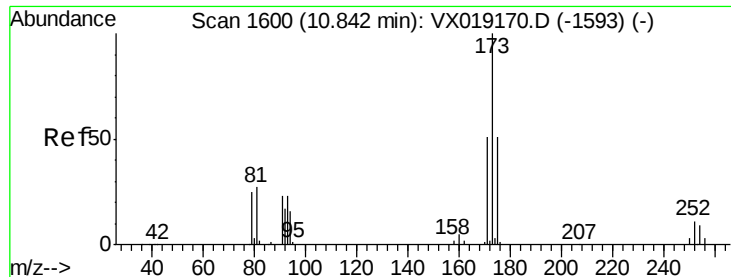


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#59

Bromoform

Concen: 0.423 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

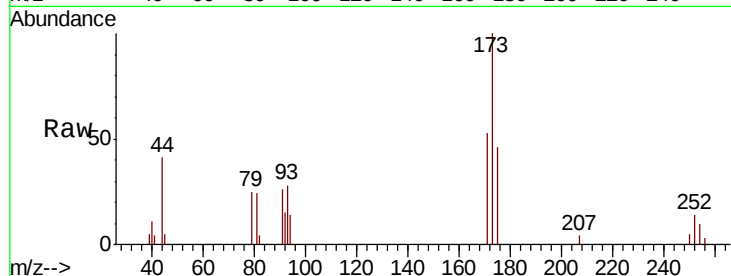
Tot Ion:173 Resp: 2401

Ion Ratio Lower Upper

173 100

175 42.4 38.6 57.8

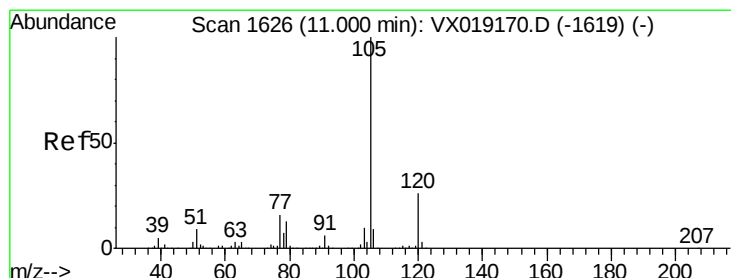
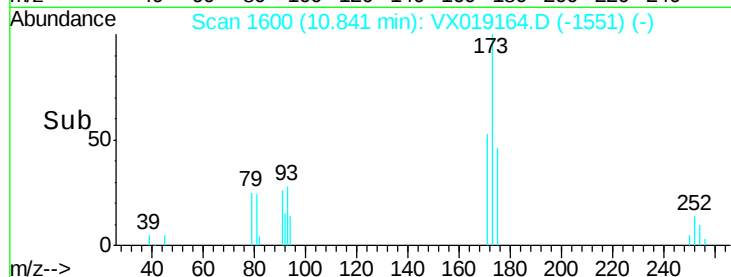
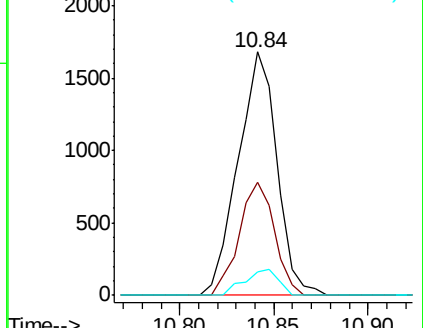
254 9.2 7.4 11.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.442 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

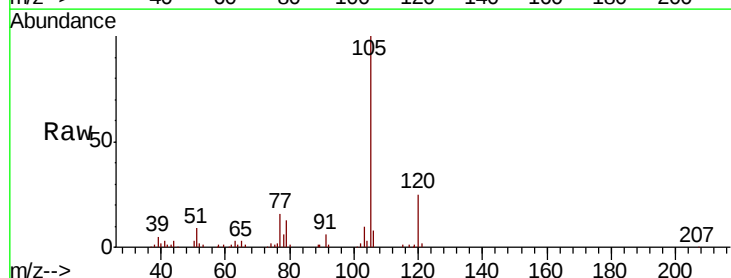
Tgt Ion:105 Resp: 27971

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

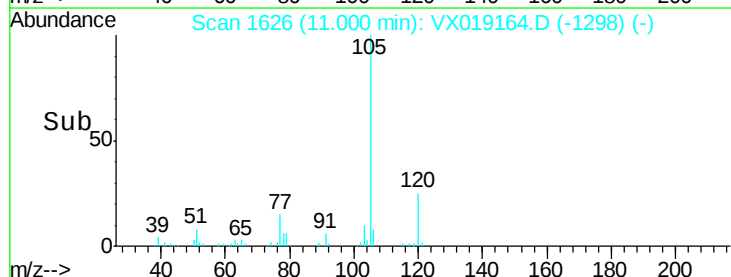
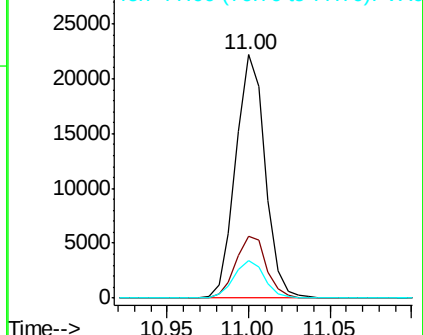
77 16.2 12.9 19.3

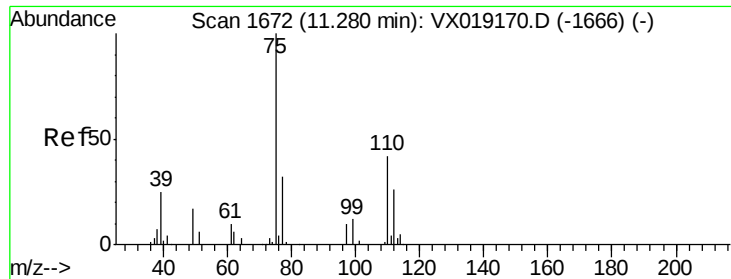


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 0.458 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

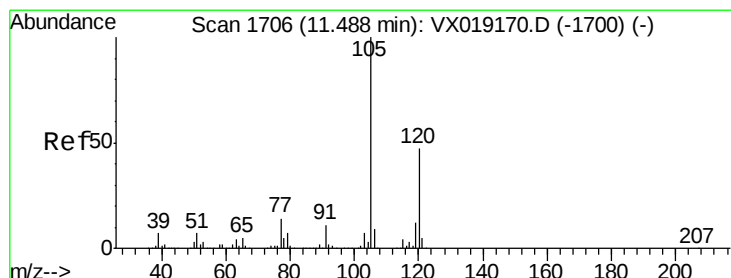
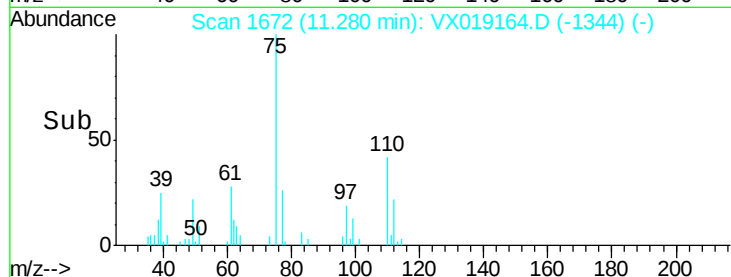
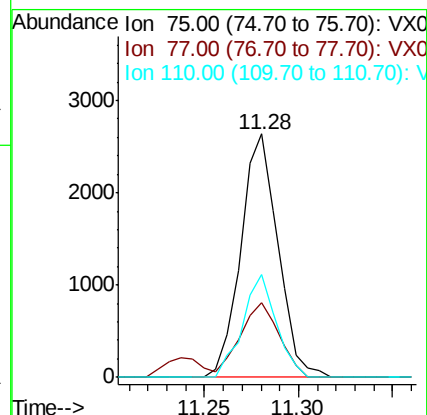
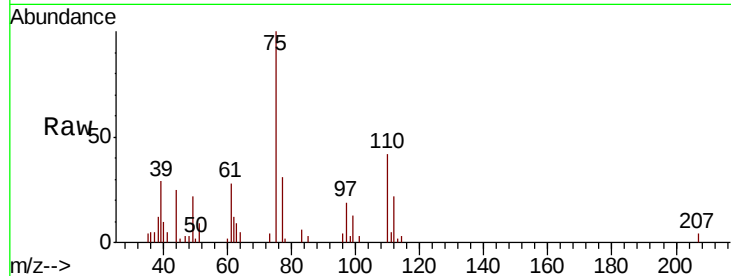
Tot Ion: 75 Resp: 3600

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

110 38.2 32.4 48.6



#62

1,3,5-Trimethylbenzene

Concen: 0.420 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019164.D

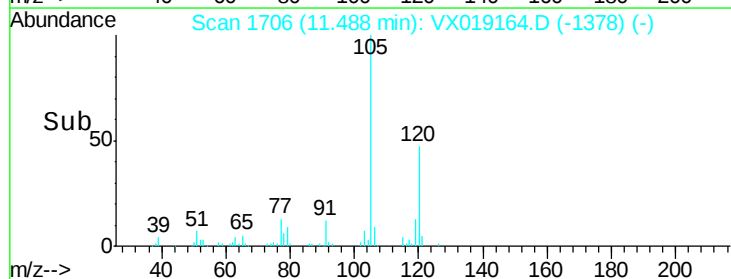
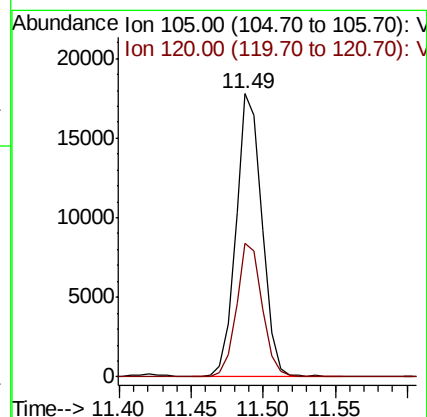
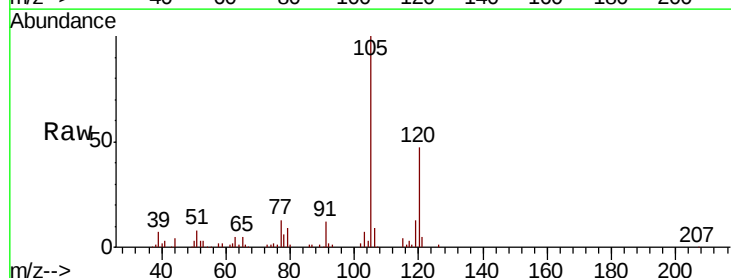
Acq: 28 Oct 2020 15:09

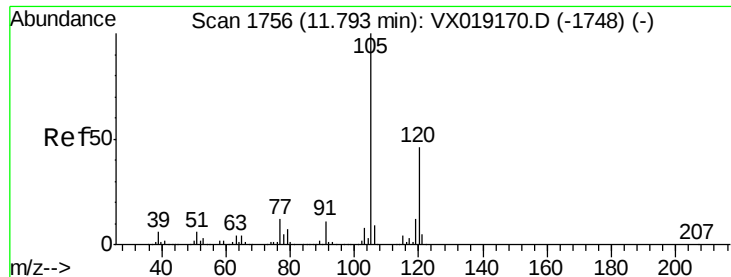
Tgt Ion: 105 Resp: 22528

Ion Ratio Lower Upper

105 100

120 46.4 38.9 58.3

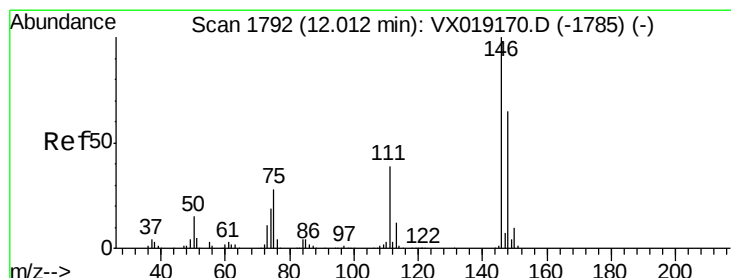
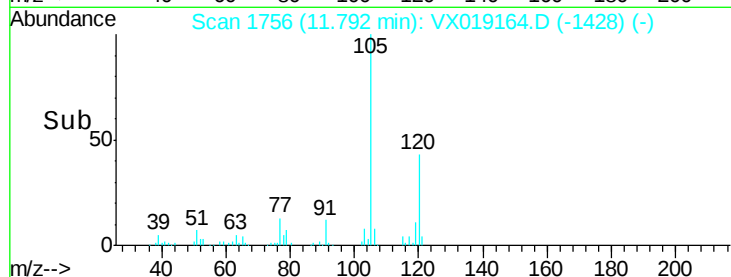
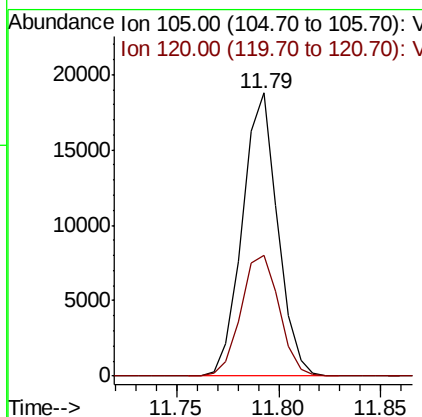
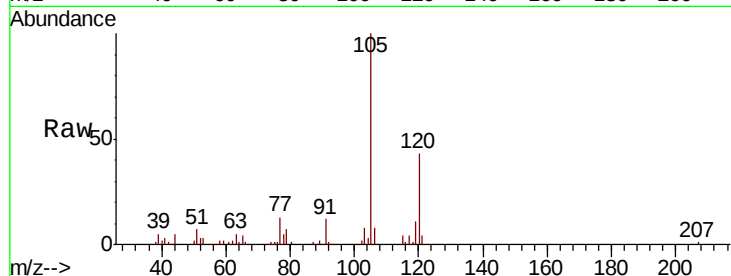




#63
 1,2,4-Trimethylbenzene
 Concen: 0.415 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019164.D
 Acq: 28 Oct 2020 15:09

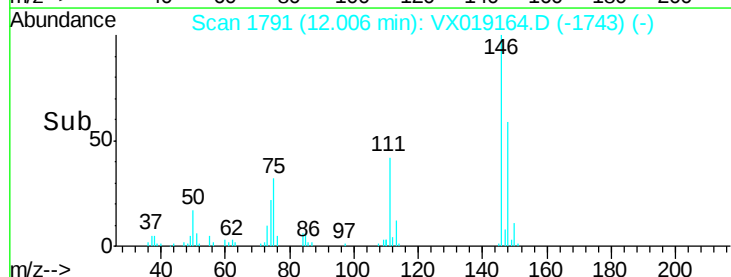
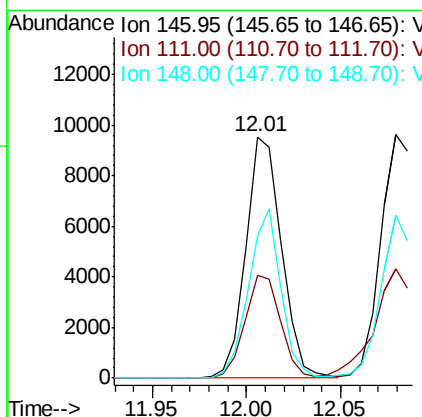
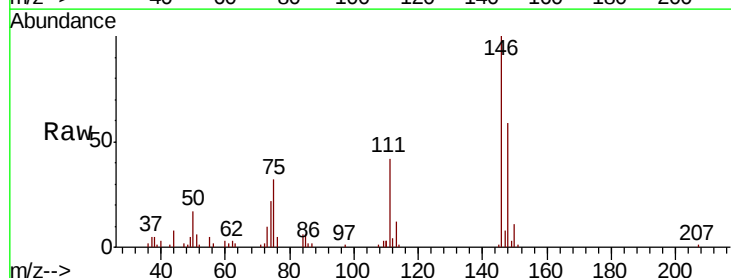
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5301

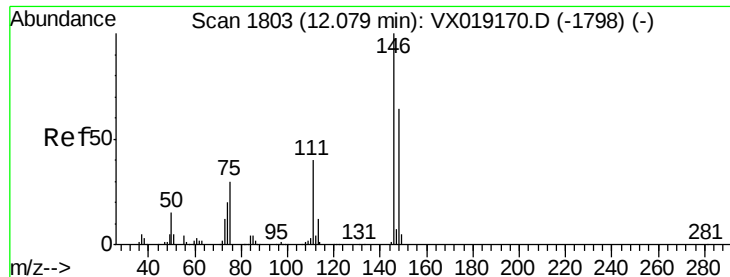
Tot Ion:105 Resp: 22578
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.1 54.1



#64
 1,3-Dichlorobenzene
 Concen: 0.442 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX019164.D
 Acq: 28 Oct 2020 15:09

Tgt Ion:146 Resp: 12550
 Ion Ratio Lower Upper
 146 100
 111 42.4 27.3 50.7
 148 59.2 45.4 84.2

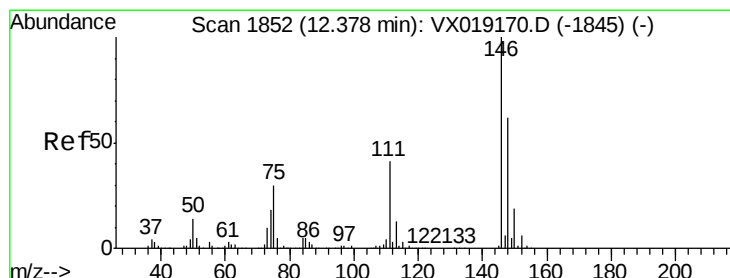
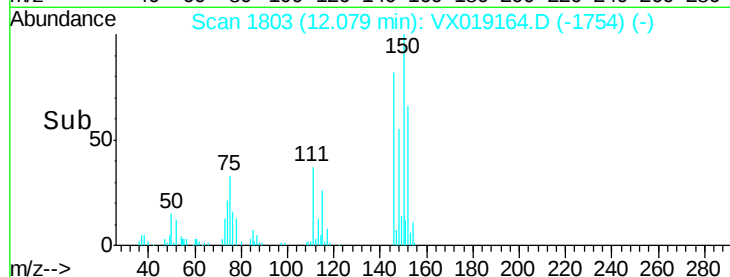
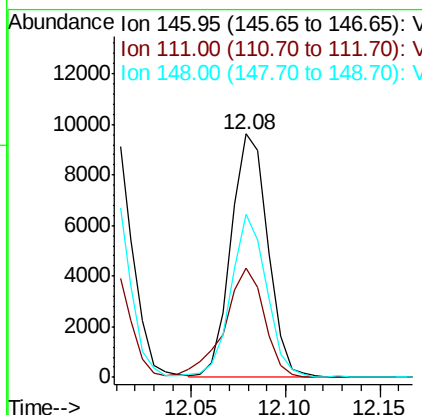
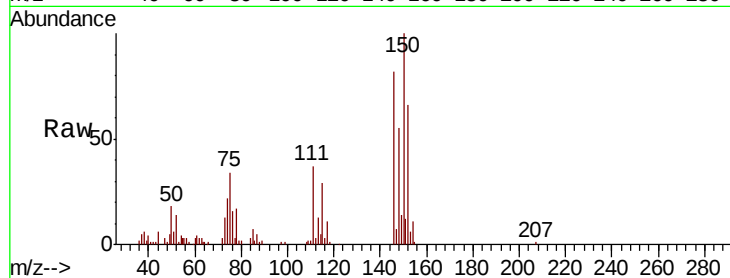




#65
1,4-Dichlorobenzene
Concen: 0.472 ug/L
RT: 12.08 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

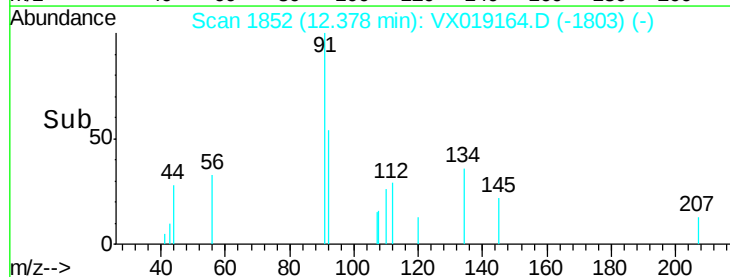
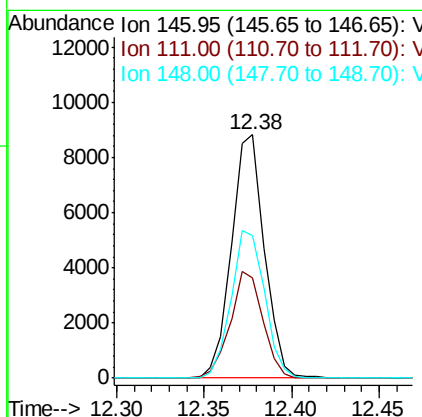
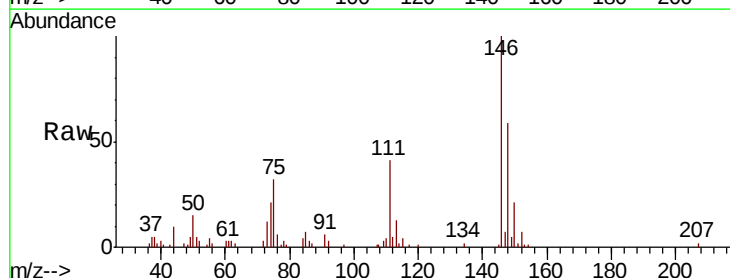
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5301

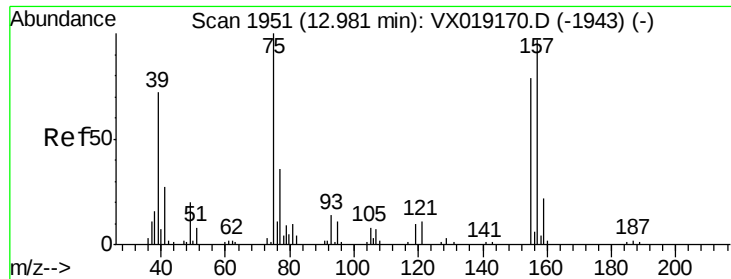
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	28.1	52.3
148	66.7	44.5	82.7



#67
1,2-Dichlorobenzene
Concen: 0.447 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX019164.D
Acq: 28 Oct 2020 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	32.6	49.0
148	58.5	49.4	74.2





#68

1,2-Dibromo-3-chloropropane

Concen: 0.419 ug/L

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5301

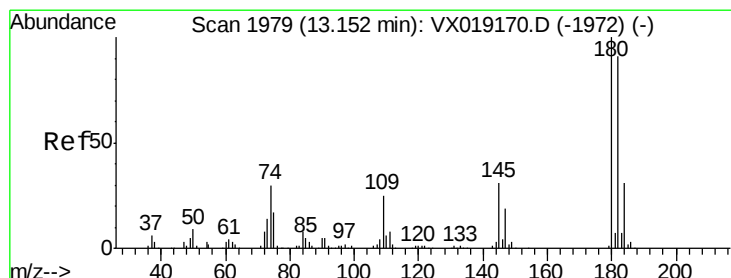
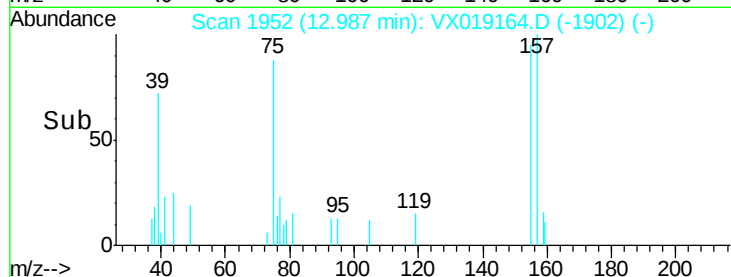
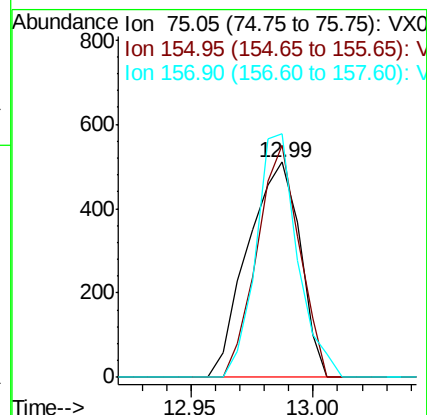
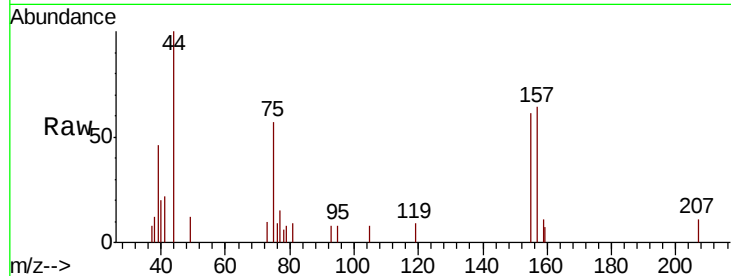
Tot Ion: 75 Resp: 759

Ion Ratio Lower Upper

75 100

155 107.8 62.9 94.3#

157 113.1 77.5 116.3



#69

1,3,5-Trichlorobenzene

Concen: 0.403 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX019164.D

Acq: 28 Oct 2020 15:09

Tgt Ion: 180 Resp: 8543

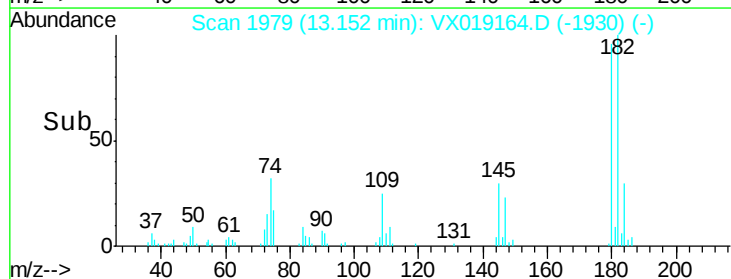
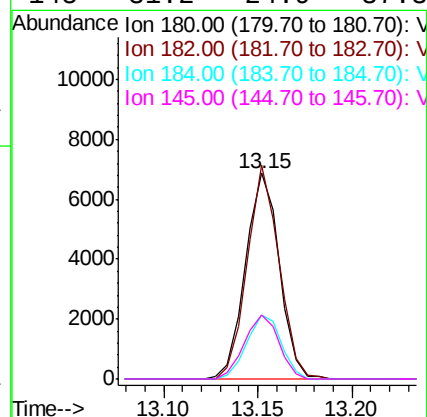
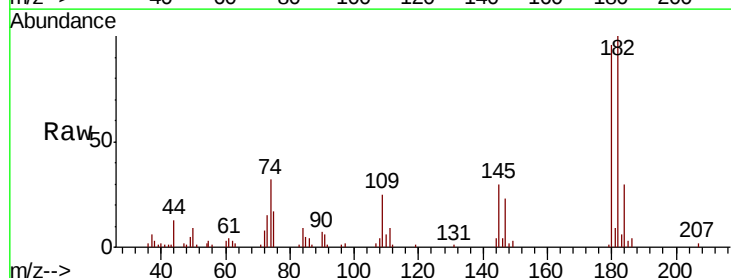
Ion Ratio Lower Upper

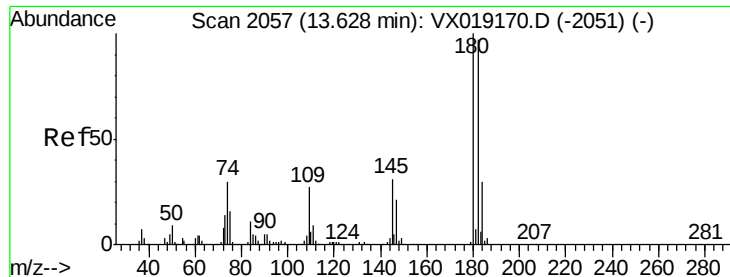
180 100

182 97.4 74.1 111.1

184 31.7 24.4 36.6

145 31.2 24.9 37.3

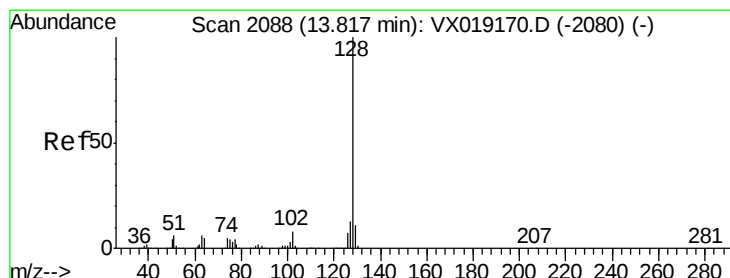
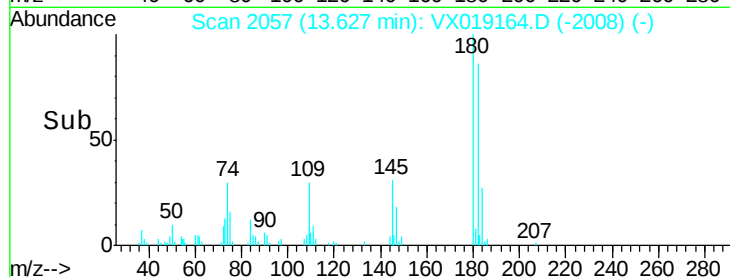
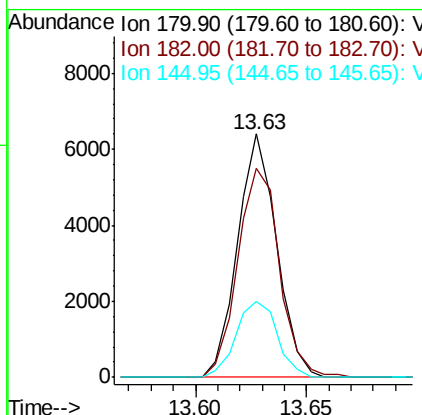
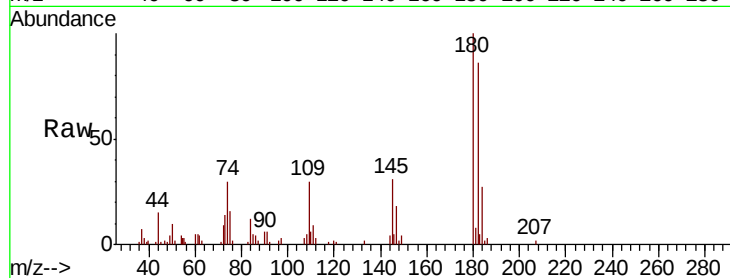




#70
 1,2,4-trichlorobenzene
 Concen: 0.434 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019164.D
 Acq: 28 Oct 2020 15:09

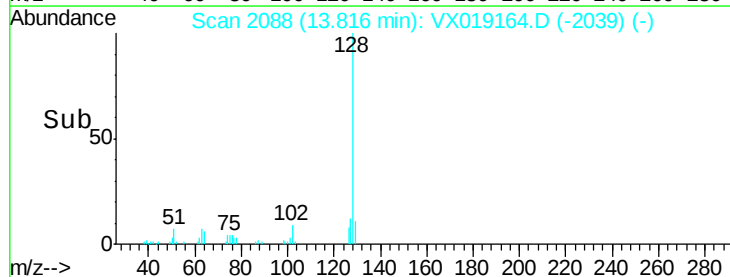
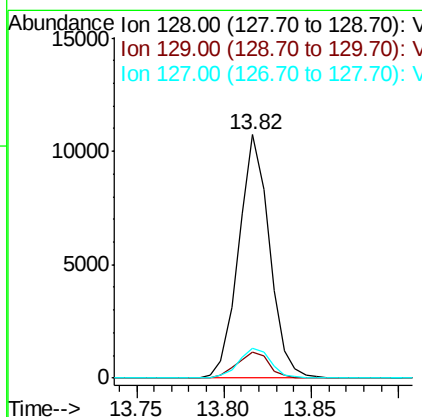
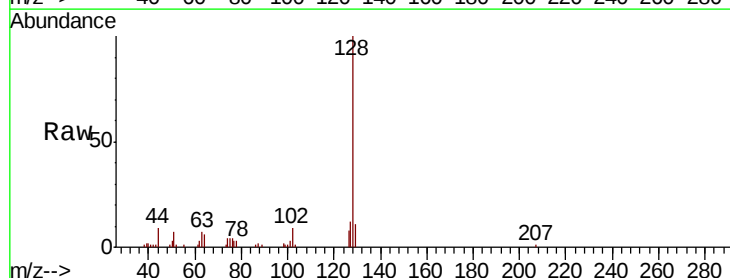
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5301

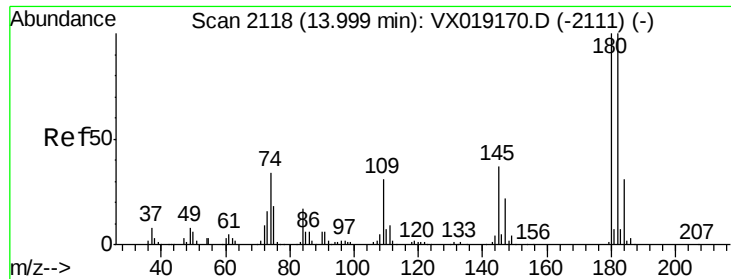
Tot Ion:180 Resp: 7833
 Ion Ratio Lower Upper
 180 100
 182 91.5 77.8 116.6
 145 32.8 25.0 37.4



#71
 Naphthalene
 Concen: 0.393 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX019164.D
 Acq: 28 Oct 2020 15:09

Tgt Ion:128 Resp: 13190
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.6 13.0
 127 13.0 10.1 15.1





#72
 1,2,3-Trichlorobenzene
 Concen: 0.427 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX019164.D
 Acq: 28 Oct 2020 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5301

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.4
145	33.5	27.8	41.6

