

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044381.D
 Acq On : 18 Dec 2024 14:24
 Operator : JC/MD
 Sample : P5281-04 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20241212

Quant Time: Dec 19 00:45:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	120810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	214177	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76850	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92289	43.570	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.140%
35) Dibromofluoromethane	5.379	113	69824	47.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.140%
50) Toluene-d8	8.647	98	261153	52.184	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.360%
62) 4-Bromofluorobenzene	11.079	95	82846	47.376	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.760%

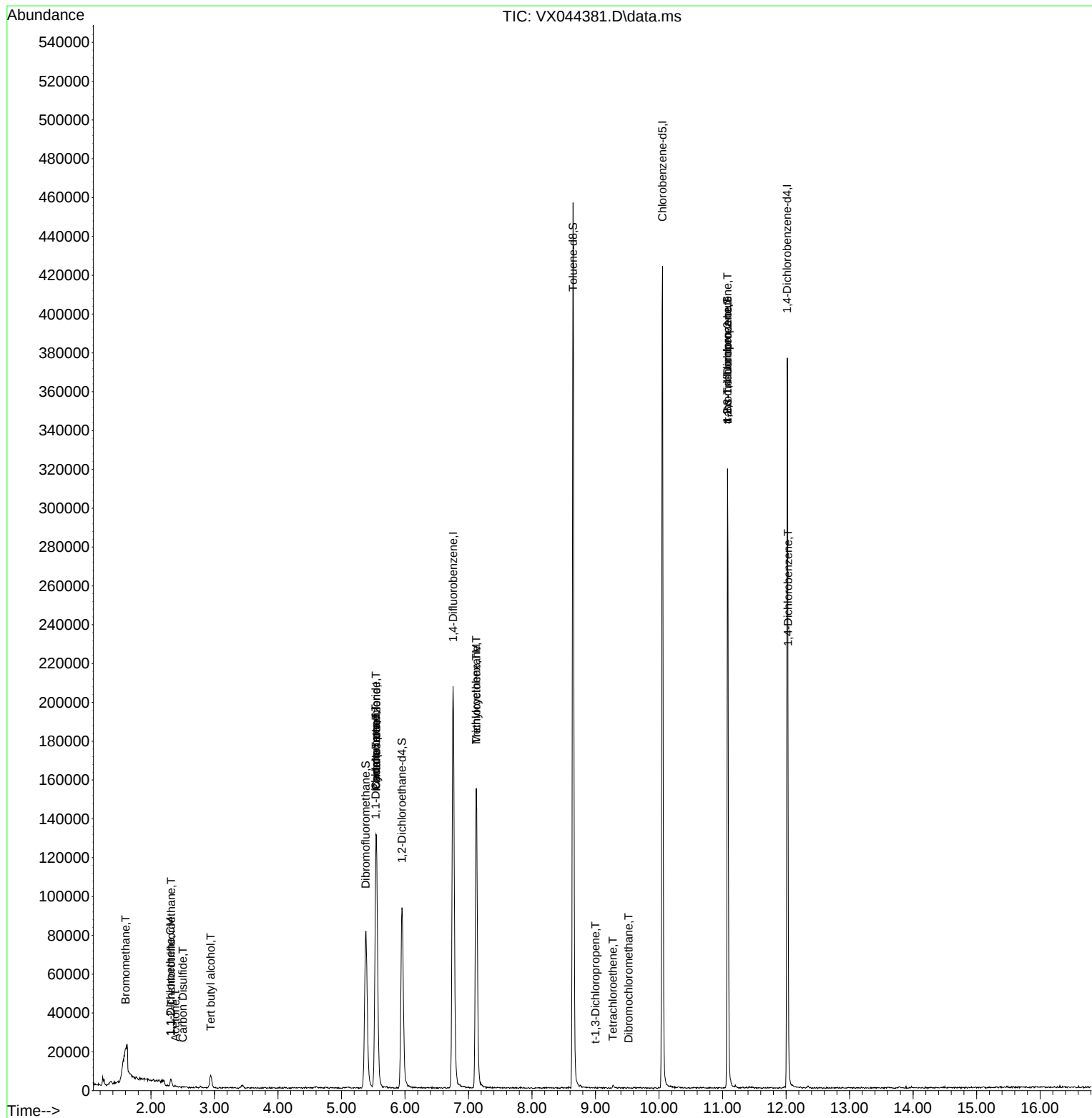
Target Compounds			Qvalue			
5) Bromomethane	1.599	94	687	0.520	ug/l #	69
9) 1,1,2-Trichlorotrifluo...	2.319	101	1194	0.810	ug/l #	88
11) Tert butyl alcohol	2.940	59	4151	13.905	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	445	0.329	ug/l #	83
16) Acetone	2.386	43	650	0.753	ug/l #	76
17) Carbon Disulfide	2.502	76	570	0.221	ug/l #	75
31) Cyclohexane	5.544	56	3149	1.377	ug/l #	59
36) 1,1-Dichloropropene	5.538	75	10704	5.582	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13337	6.461	ug/l #	16
39) Methylcyclohexane	7.123	83	810	0.353	ug/l #	1
44) Trichloroethene	7.123	130	58572	40.345	ug/l	96
53) t-1,3-Dichloropropene	9.000	75	55	1.022	ug/l #	41
60) Dibromochloromethane	9.519	129	25	1.248	ug/l #	11
64) Tetrachloroethene	9.275	164	267	0.215	ug/l #	69
76) 1,2,3-Trichloropropane	11.079	75	44881	26.156	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	44881	72.167	ug/l #	4
88) 1,4-Dichlorobenzene	12.030	146	514	0.201	ug/l #	1

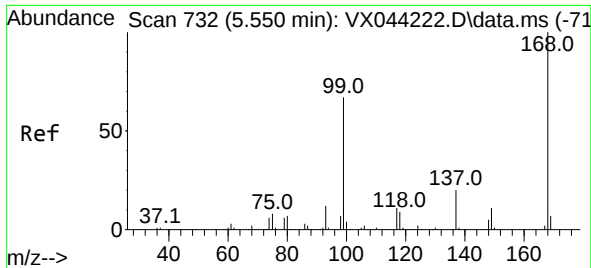
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

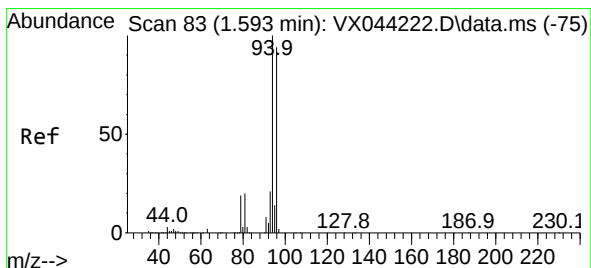
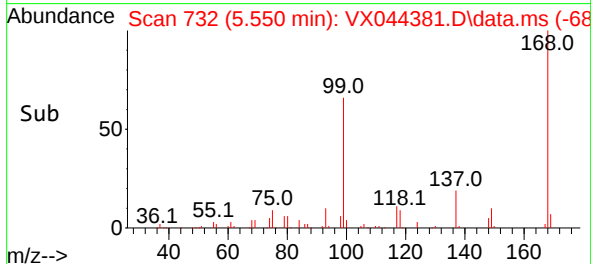
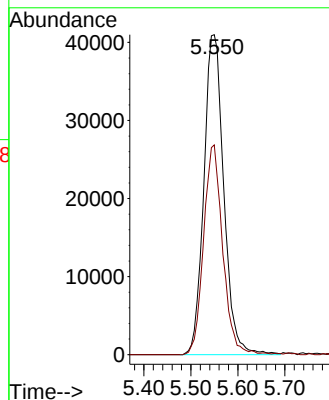
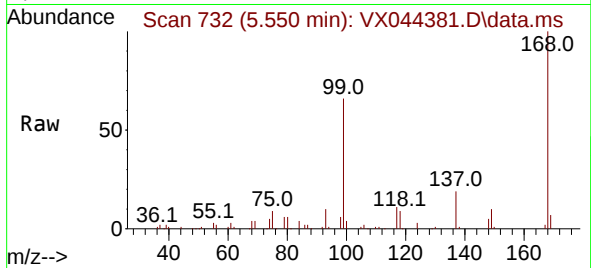




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

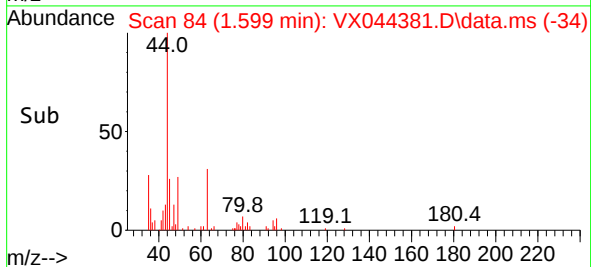
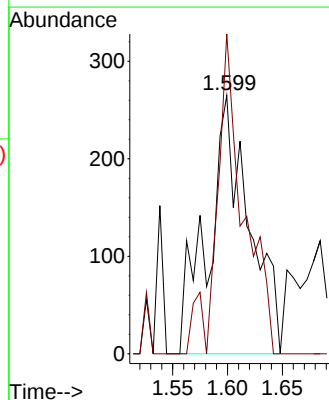
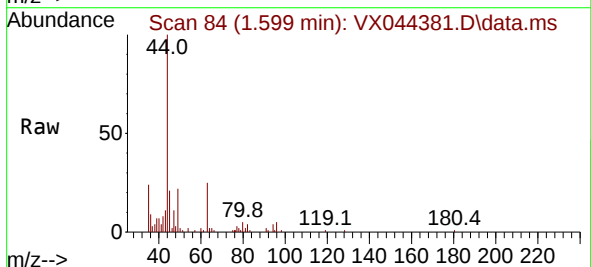
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

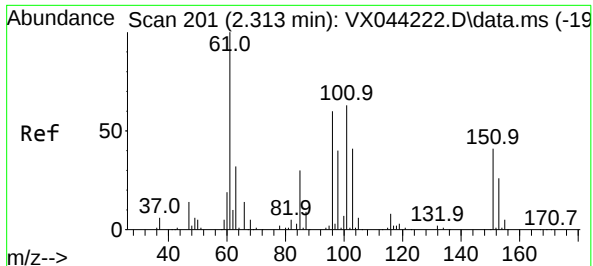
Tgt Ion:168 Resp: 120810
Ion Ratio Lower Upper
168 100
99 65.6 53.4 80.0



#5
Bromomethane
Concen: 0.520 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion: 94 Resp: 687
Ion Ratio Lower Upper
94 100
96 123.8 74.9 112.3#

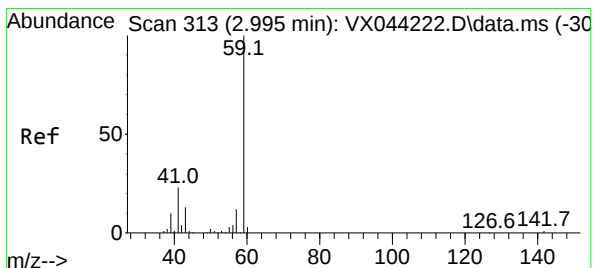
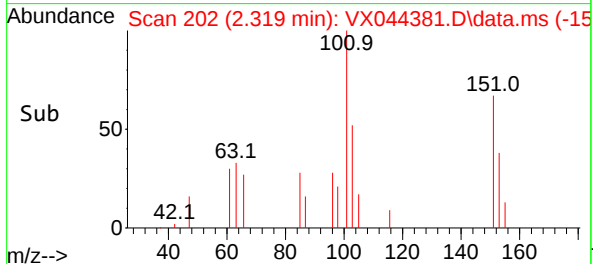
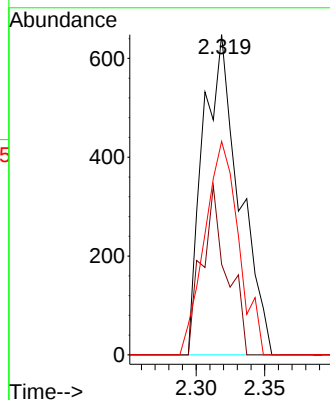
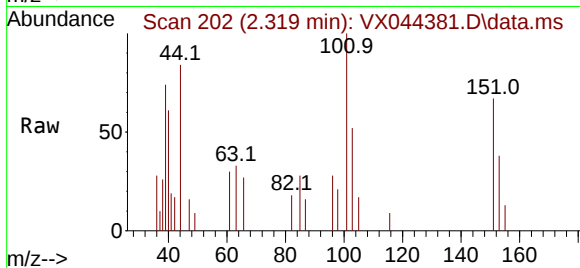




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.810 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

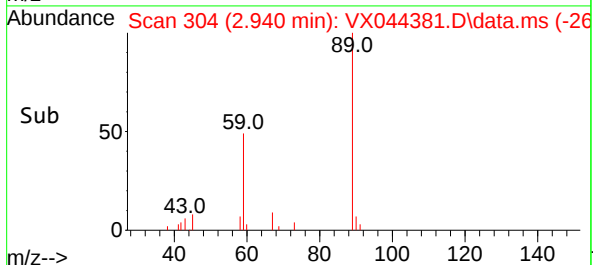
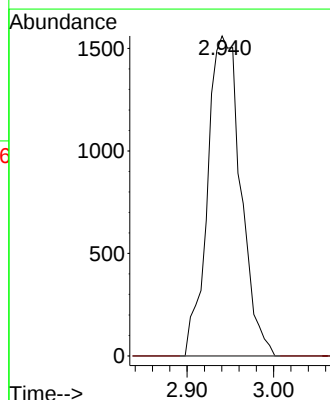
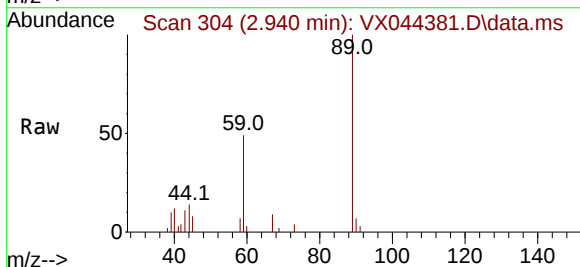
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

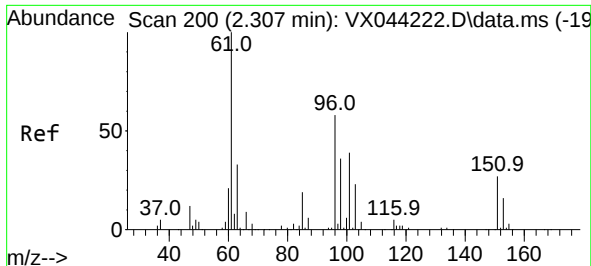
Tgt Ion:101 Resp: 1194
Ion Ratio Lower Upper
101 100
85 36.5 38.5 57.7#
151 62.5 55.8 83.6



#11
Tert butyl alcohol
Concen: 13.905 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion: 59 Resp: 4151
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 0.329 ug/l

RT: 2.306 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX044381.D

Acq: 18 Dec 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20241212

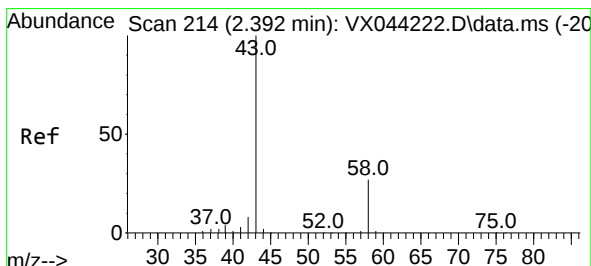
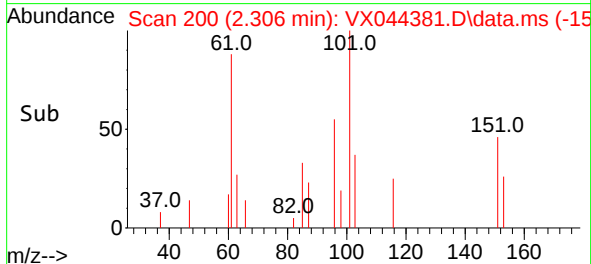
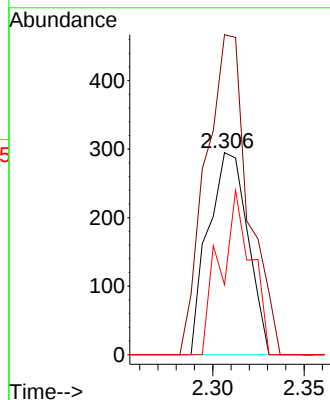
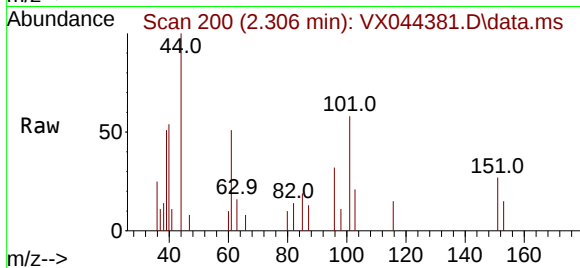
Tgt Ion: 96 Resp: 445

Ion Ratio Lower Upper

96 100

61 158.3 138.0 207.0

98 34.6 50.0 75.0#



#16

Acetone

Concen: 0.753 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX044381.D

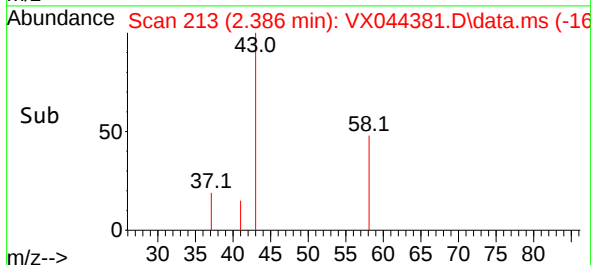
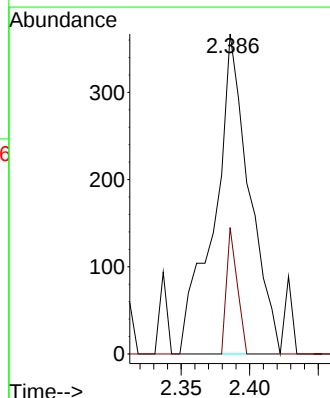
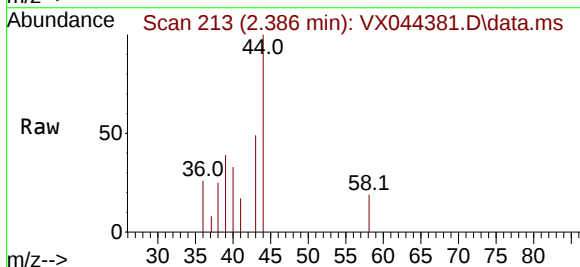
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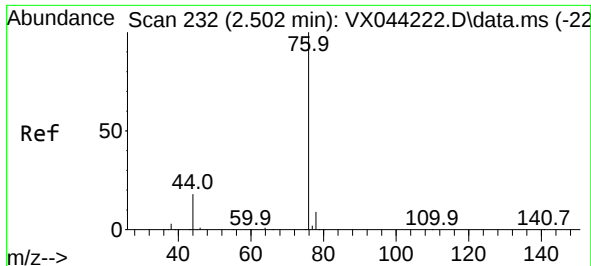
Tgt Ion: 43 Resp: 650

Ion Ratio Lower Upper

43 100

58 39.5 21.6 32.4#

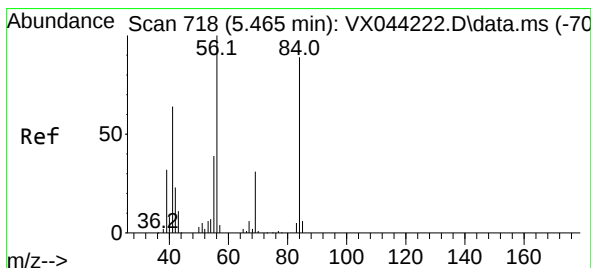
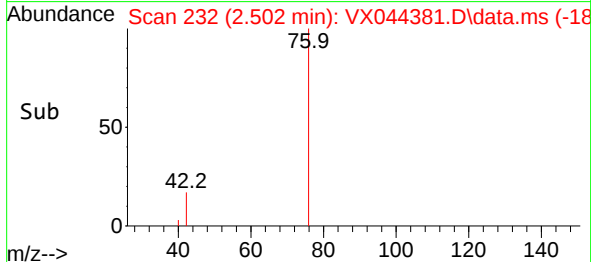
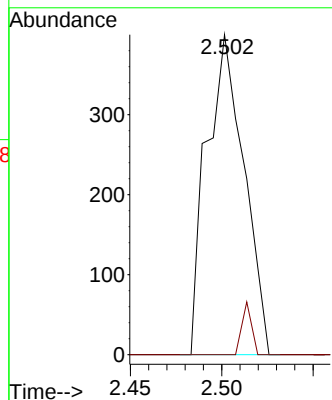
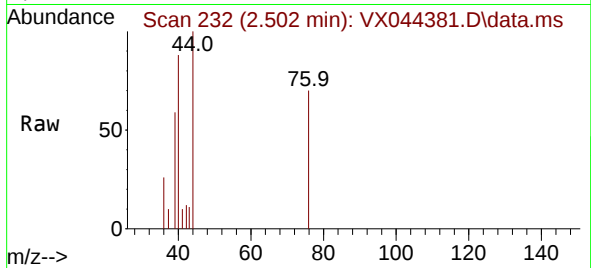




#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

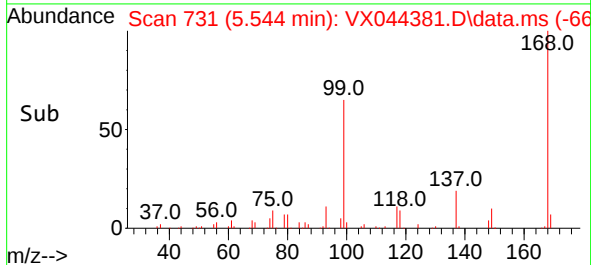
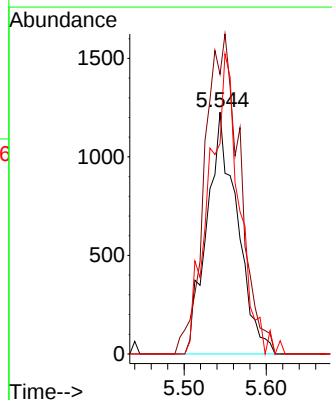
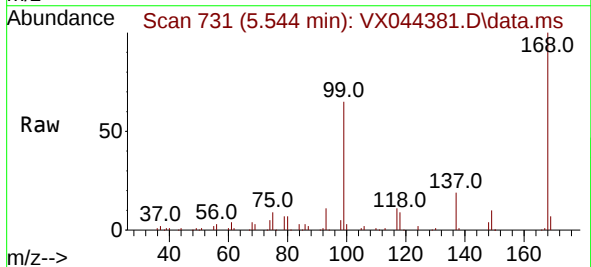
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

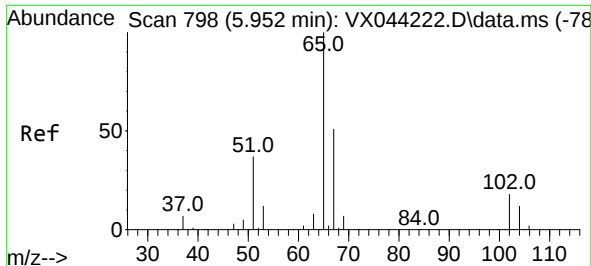
Tgt Ion: 76 Resp: 570
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion: 56 Resp: 3149
Ion Ratio Lower Upper
56 100
69 115.6 24.7 37.1#
84 87.0 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 43.570 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044381.D

Acq: 18 Dec 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

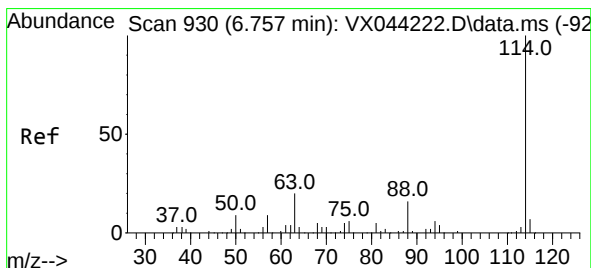
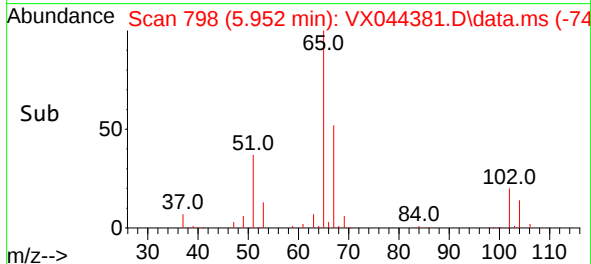
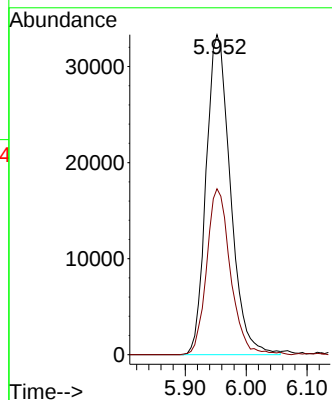
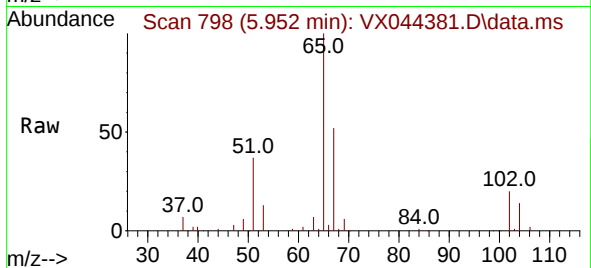
TT101D2-20241212

Tgt Ion: 65 Resp: 92289

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044381.D

Acq: 18 Dec 2024 14:24

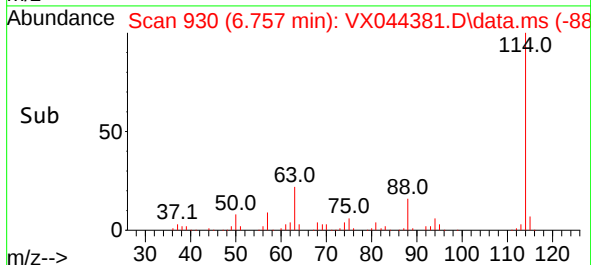
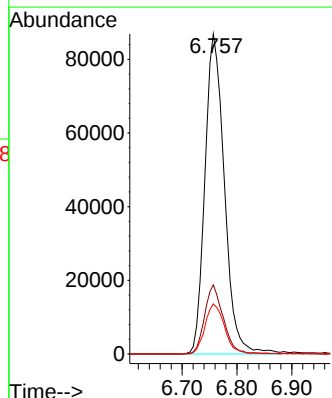
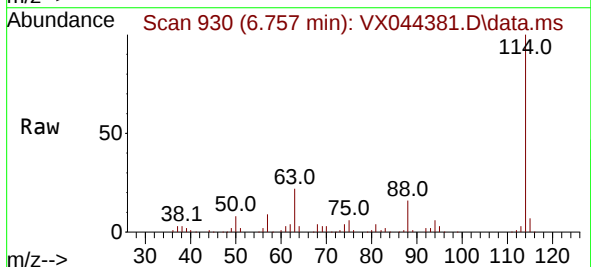
Tgt Ion: 114 Resp: 214177

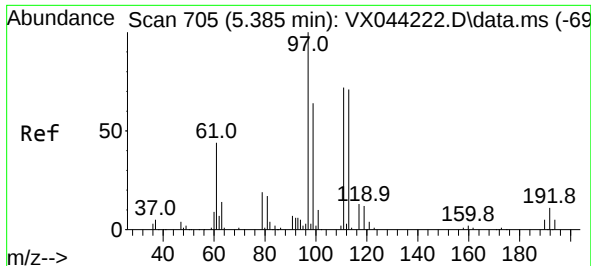
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.6

88 15.7 0.0 31.8

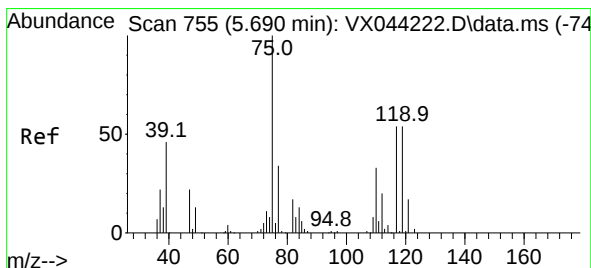
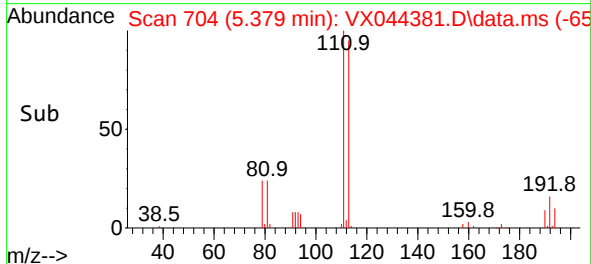
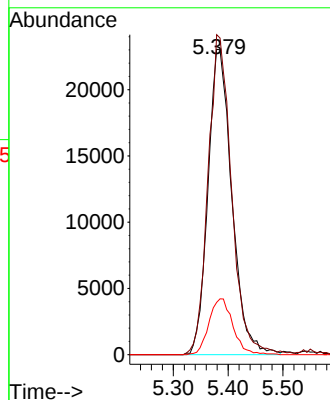
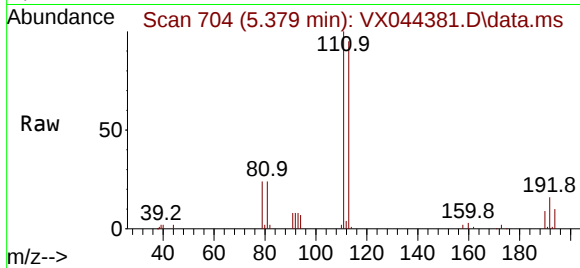




#35
Dibromofluoromethane
Concen: 47.071 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

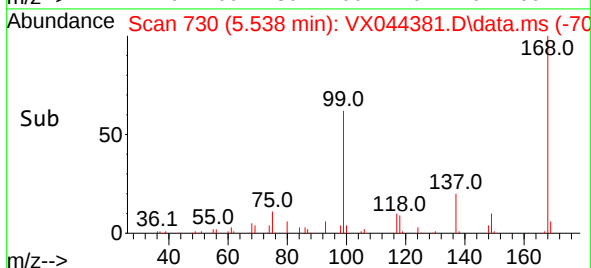
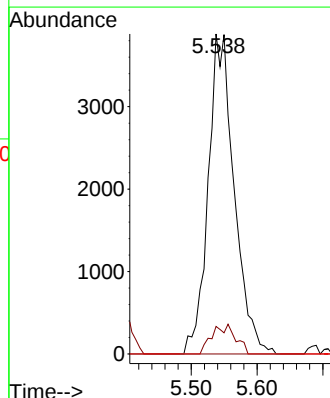
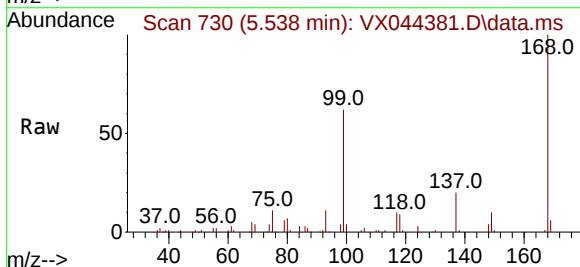
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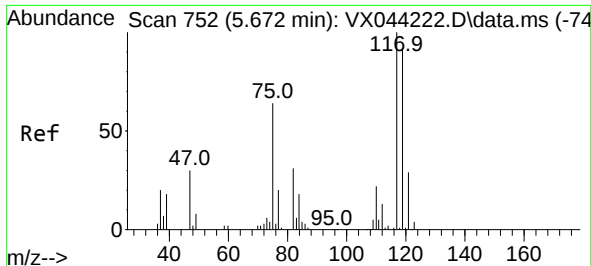
Tgt Ion:113 Resp: 69824
Ion Ratio Lower Upper
113 100
111 102.8 80.4 120.6
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.582 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

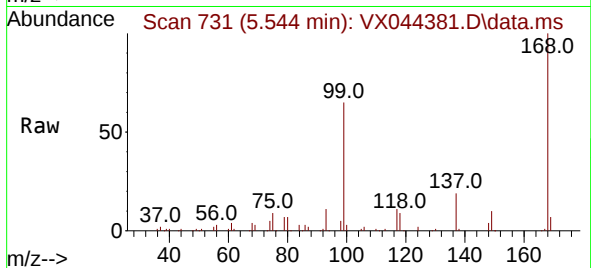
Tgt Ion: 75 Resp: 10704
Ion Ratio Lower Upper
75 100
110 8.4 17.3 51.7#
77 0.0 25.4 38.0#



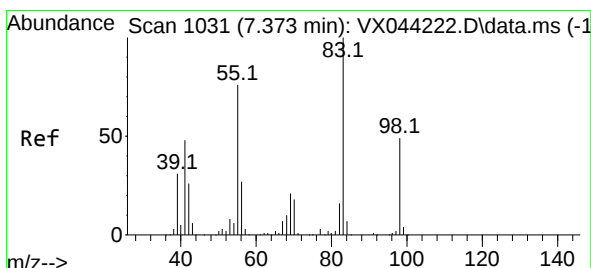
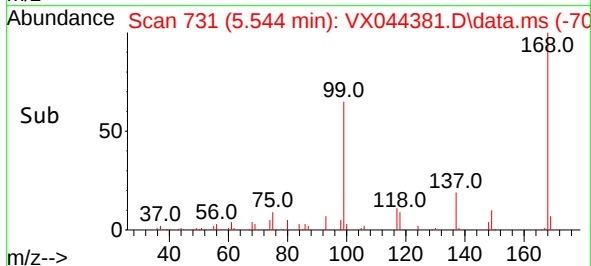
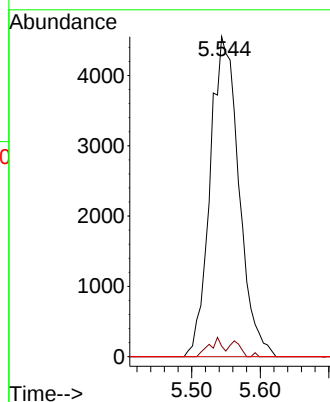


#38
Carbon Tetrachloride
Concen: 6.461 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

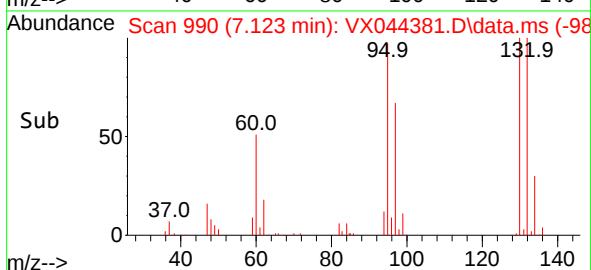
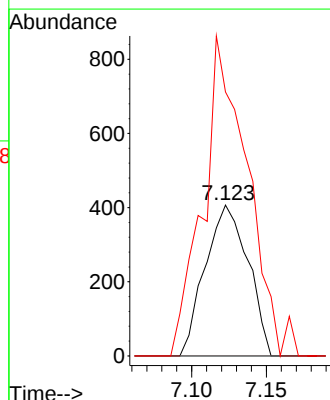
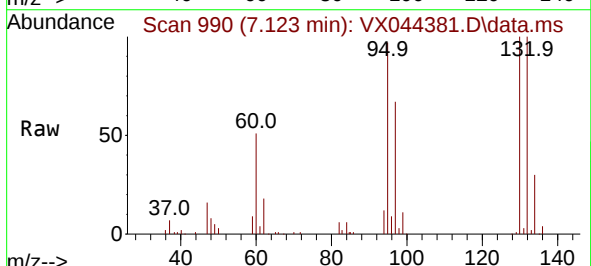


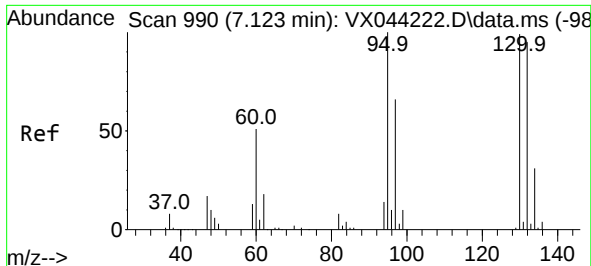
Tgt Ion:117 Resp: 13337
Ion Ratio Lower Upper
117 100
119 3.3 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 0.353 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion: 83 Resp: 810
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 174.9 38.9 58.3#

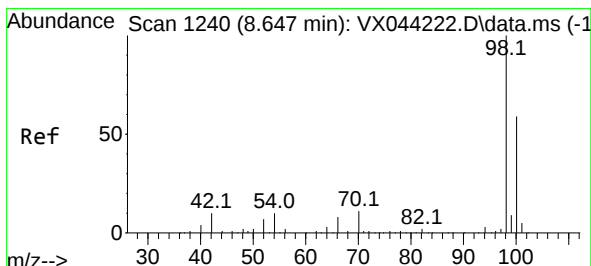
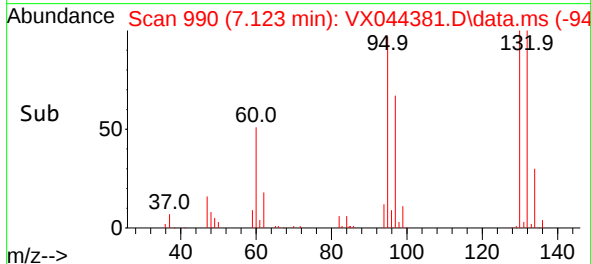
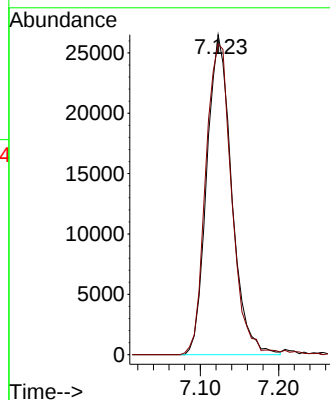
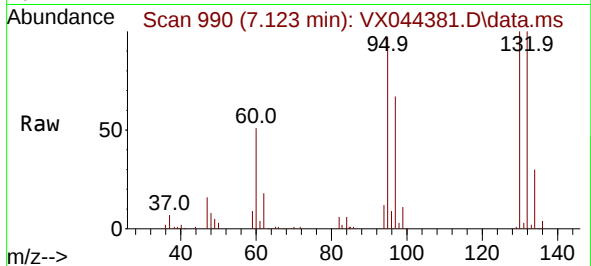




#44
Trichloroethene
Concen: 40.345 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

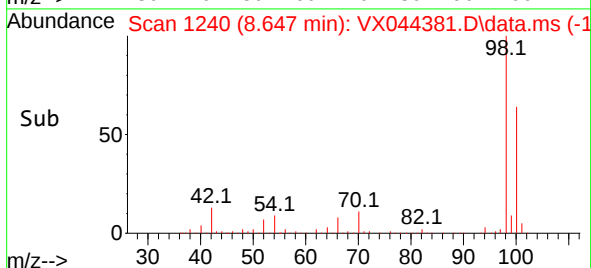
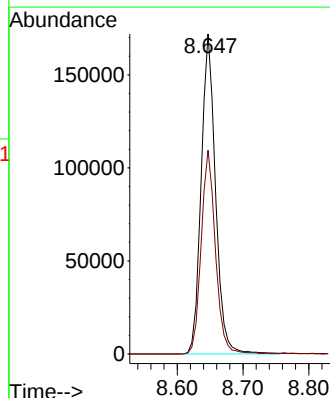
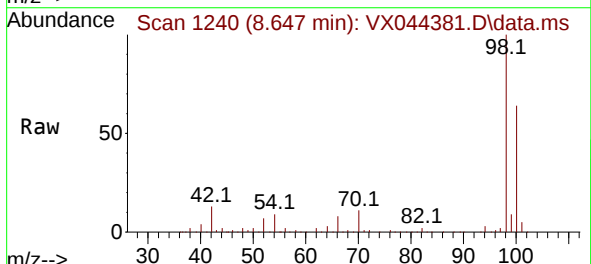
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

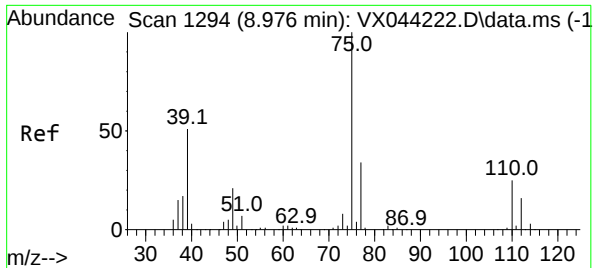
Tgt Ion:130 Resp: 58572
Ion Ratio Lower Upper
130 100
95 97.0 0.0 201.4



#50
Toluene-d8
Concen: 52.184 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion: 98 Resp: 261153
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3

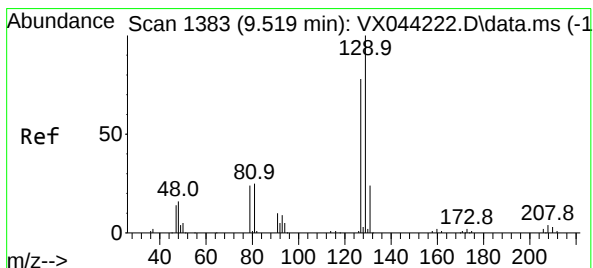
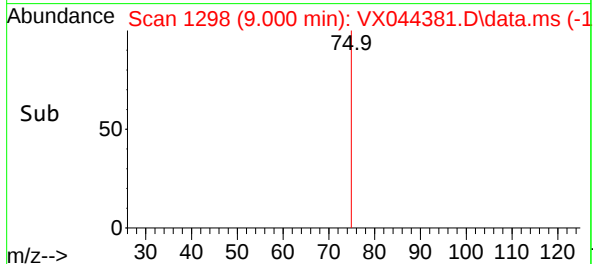
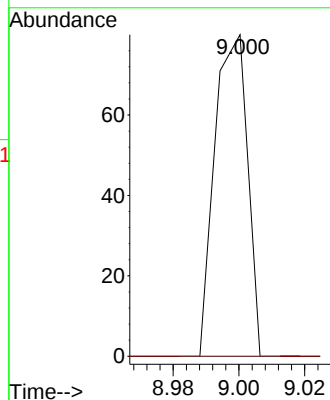
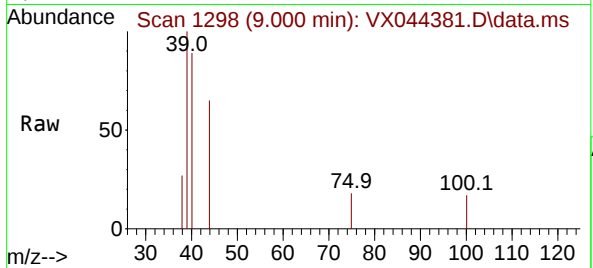




#53
t-1,3-Dichloropropene
Concen: 1.022 ug/l
RT: 9.000 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

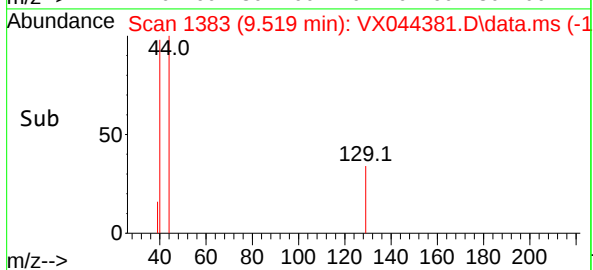
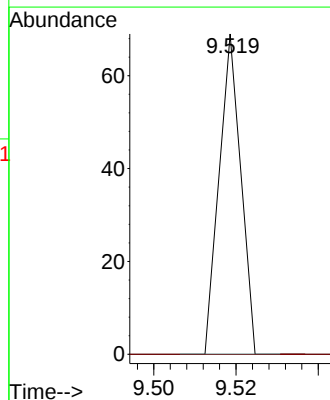
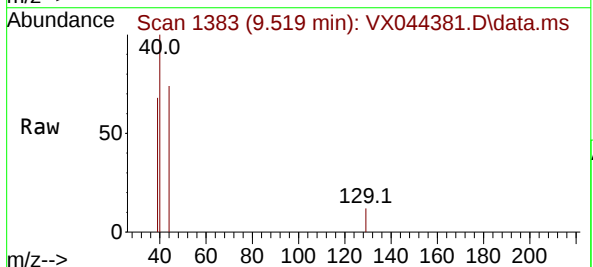
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

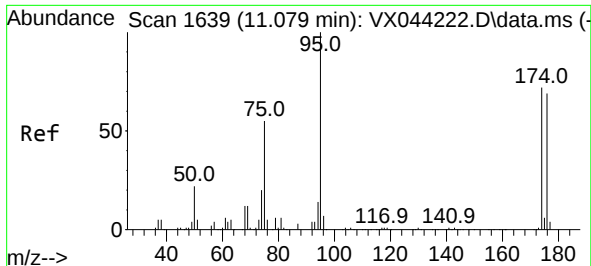
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#



#60
Dibromochloromethane
Concen: 1.248 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion:129 Resp: 25
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

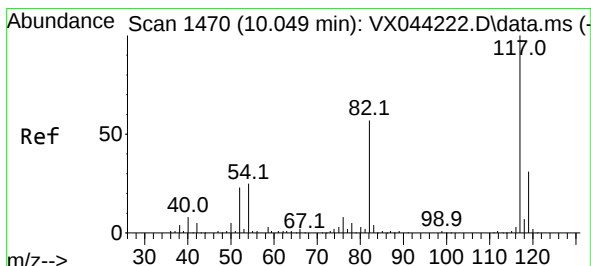
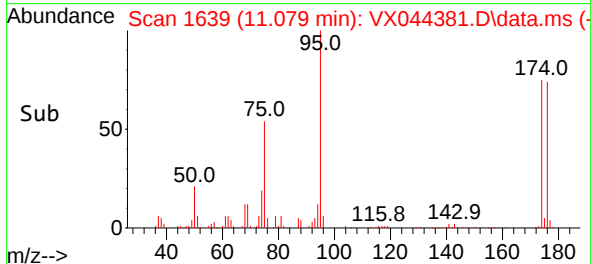
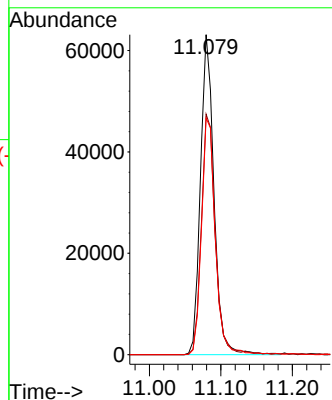
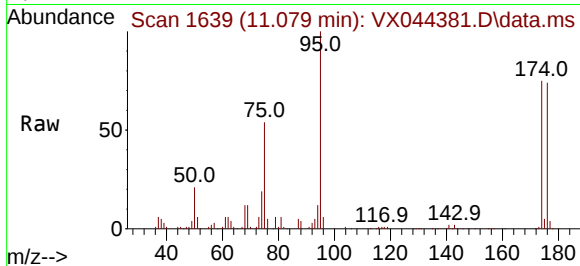




#62
4-Bromofluorobenzene
Concen: 47.376 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

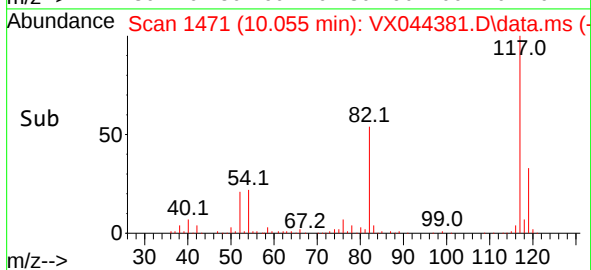
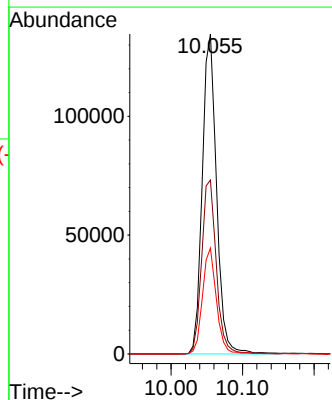
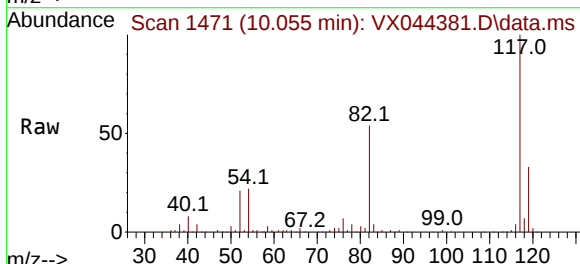
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

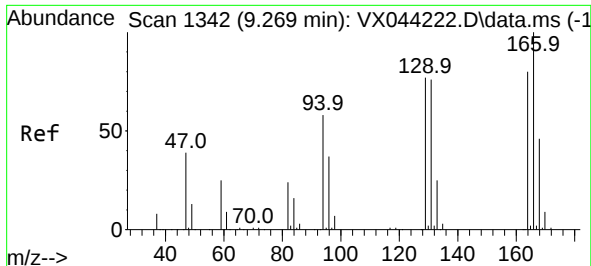
Tgt Ion: 95 Resp: 82846
Ion Ratio Lower Upper
95 100
174 77.5 0.0 145.8
176 75.9 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion: 117 Resp: 186747
Ion Ratio Lower Upper
117 100
82 54.3 45.8 68.8
119 33.1 25.0 37.4

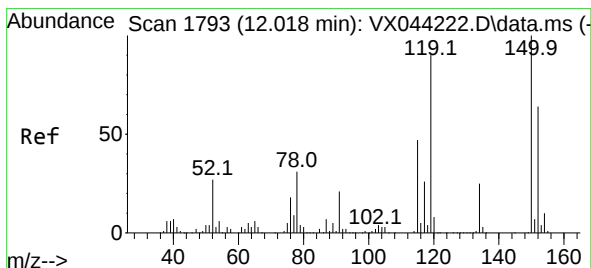
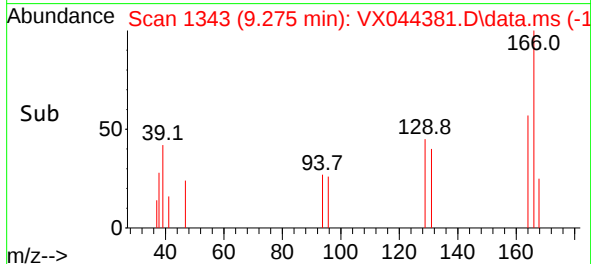
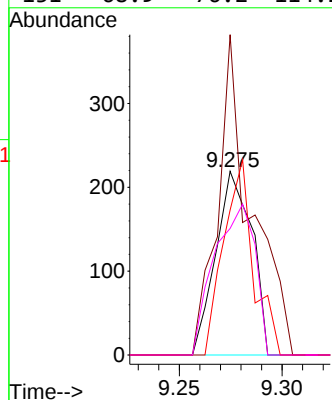
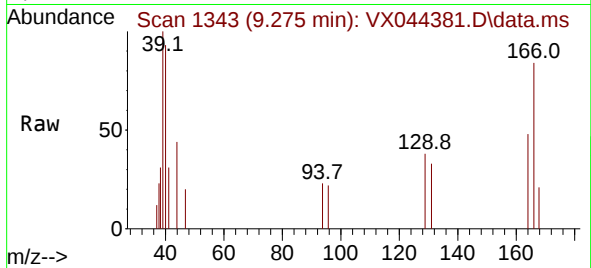




#64
Tetrachloroethene
Concen: 0.215 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

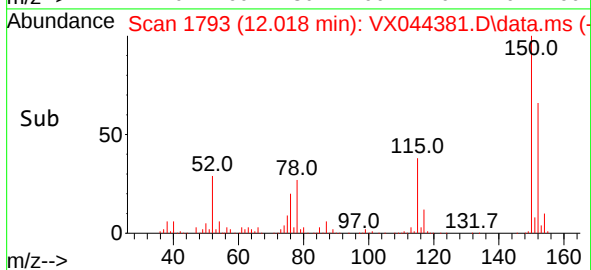
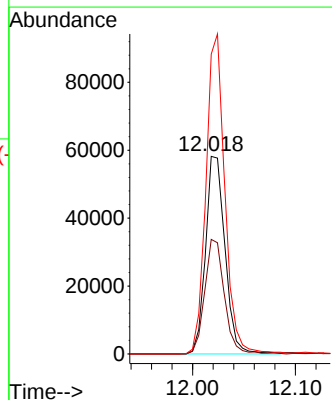
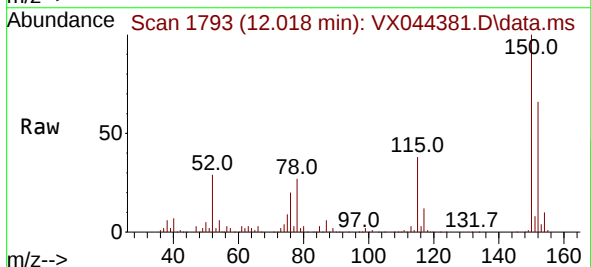
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

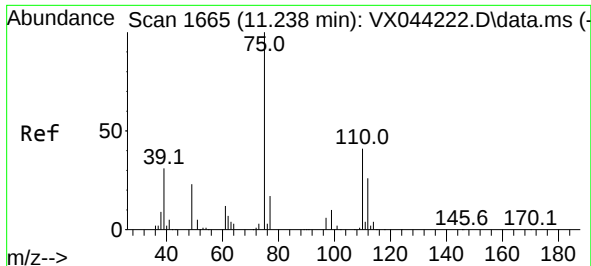
Tgt Ion:164 Resp: 267
Ion Ratio Lower Upper
164 100
166 174.4 100.4 150.6#
129 79.0 77.2 115.8
131 68.9 76.2 114.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion:152 Resp: 76850
Ion Ratio Lower Upper
152 100
115 58.3 44.5 133.3
150 156.5 0.0 353.8

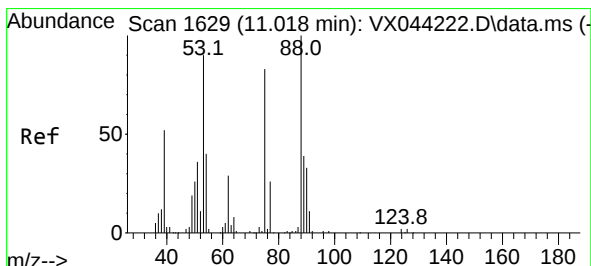
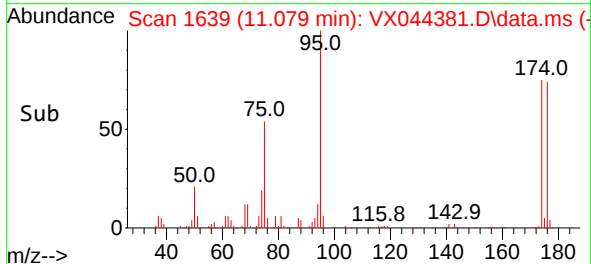
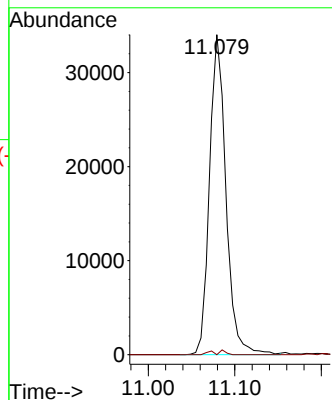
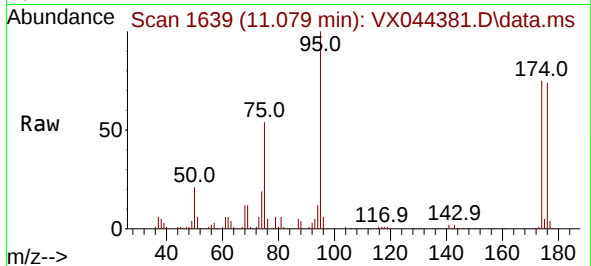




#76
1,2,3-Trichloropropane
Concen: 26.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

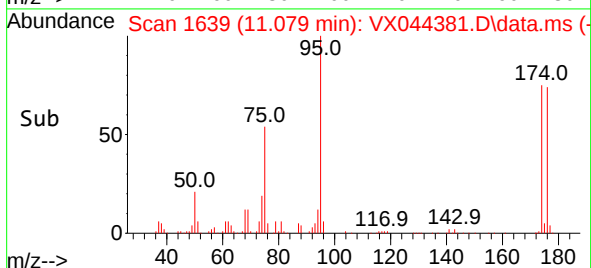
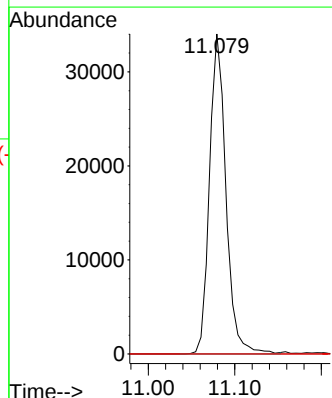
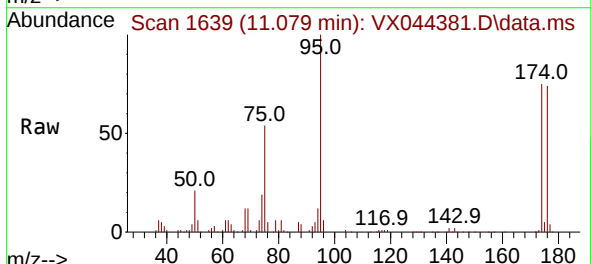
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20241212

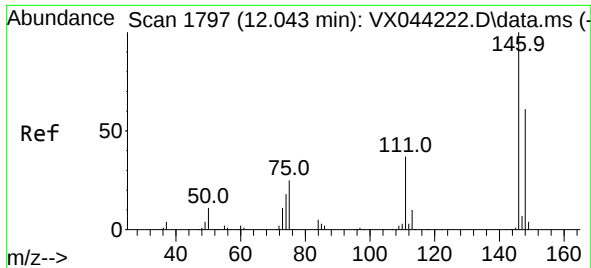
Tgt Ion: 75 Resp: 44881
Ion Ratio Lower Upper
75 100
77 0.5 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.167 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044381.D
Acq: 18 Dec 2024 14:24

Tgt Ion: 75 Resp: 44881
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#





#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 12.030 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX044381.D

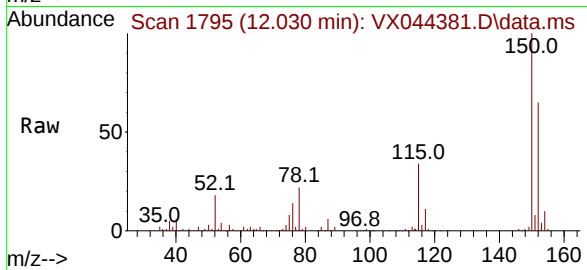
Acq: 18 Dec 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20241212



Tgt Ion:146 Resp: 514

Ion Ratio Lower Upper

146 100

111 262.6 21.0 63.0#

148 131.5 32.3 96.8#

