

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033416.D
 Acq On : 14 Dec 2022 13:58
 Operator : JC/MD
 Sample : N6049-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-121322

Quant Time: Dec 14 22:49:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

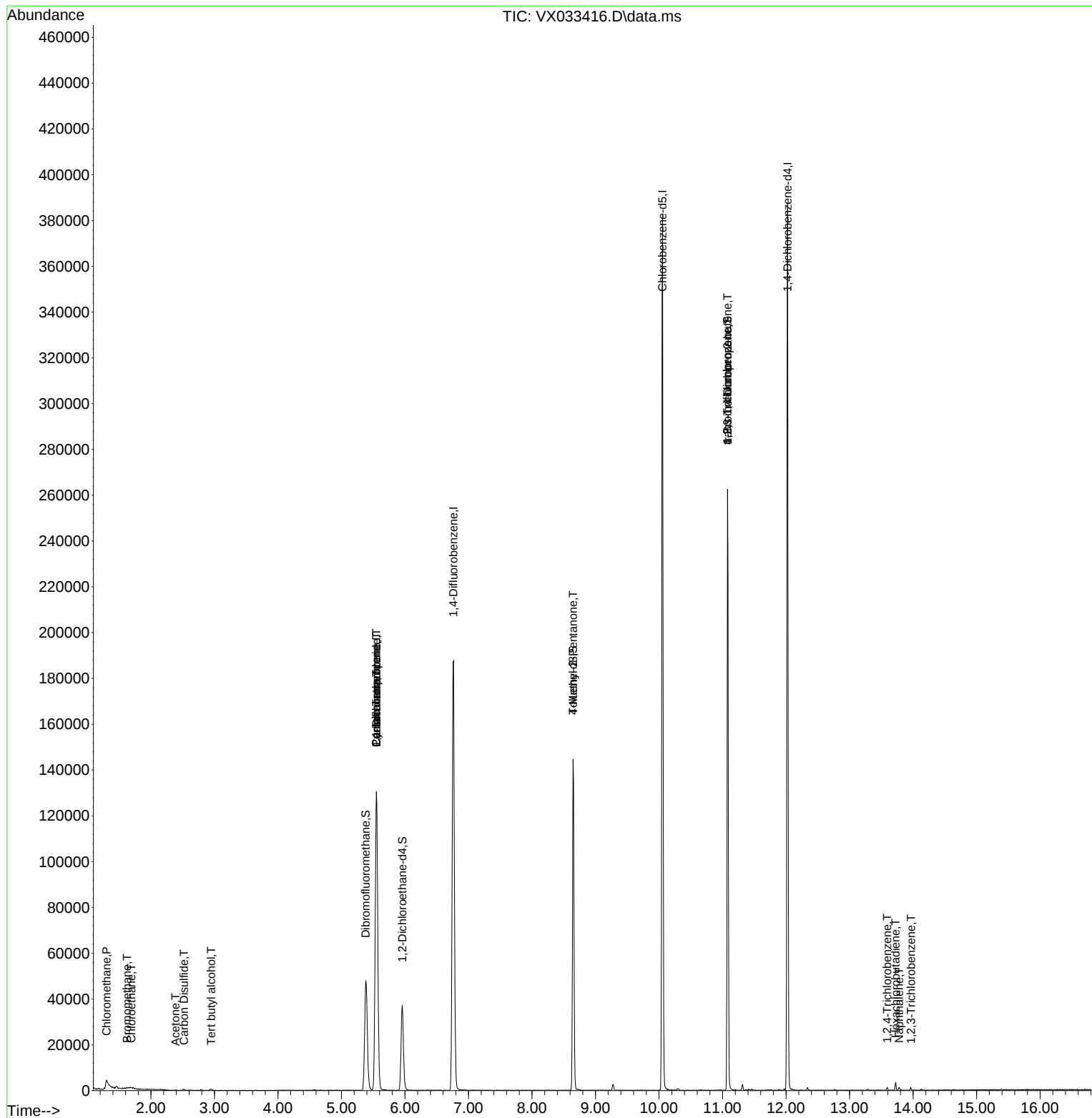
Internal Standards						
1) Pentafluorobenzene	5.550	168	126325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37993	46.881	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.760%
35) Dibromofluoromethane	5.379	113	42278	47.006	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.020%
50) Toluene-d8	8.647	98	88848	47.221	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.440%
62) 4-Bromofluorobenzene	11.079	95	67625	47.006	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	256	0.251	ug/l #	43
5) Bromomethane	1.624	94	174	0.204	ug/l #	67
6) Chloroethane	1.691	64	326	0.369	ug/l #	42
11) Tert butyl alcohol	2.947	59	334	1.348	ug/l #	72
16) Acetone	2.386	43	323	0.539	ug/l #	45
17) Carbon Disulfide	2.520	76	708	0.241	ug/l #	74
31) Cyclohexane	5.550	56	2365	1.228	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9435	5.380	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12801	6.515	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	408	0.242	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	34608	20.825	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34608	64.781	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	421	0.257	ug/l	85
94) Hexachlorobutadiene	13.725	225	546	0.834	ug/l	96
95) Naphthalene	13.780	128	1291	0.237	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.969	180	382	0.231	ug/l	94

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

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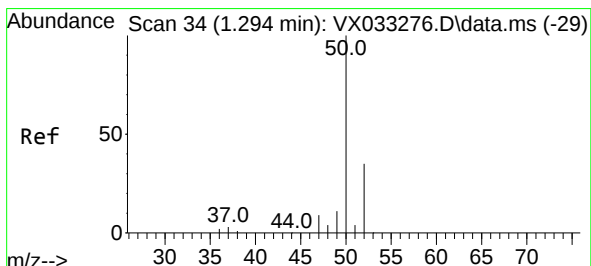
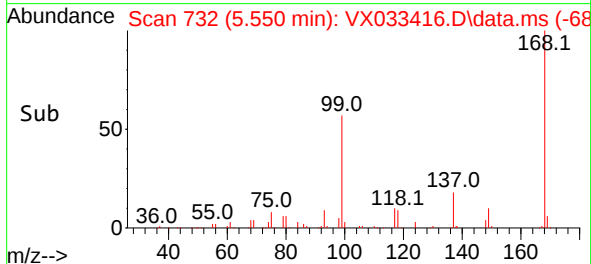
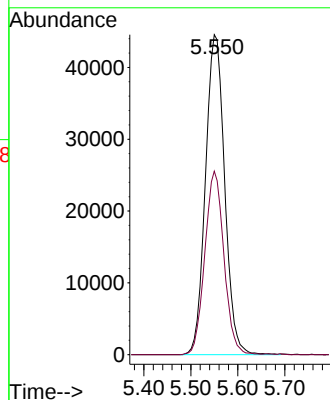
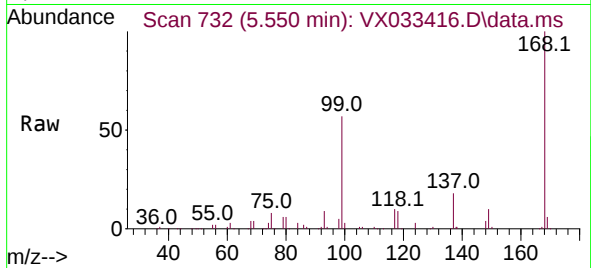




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

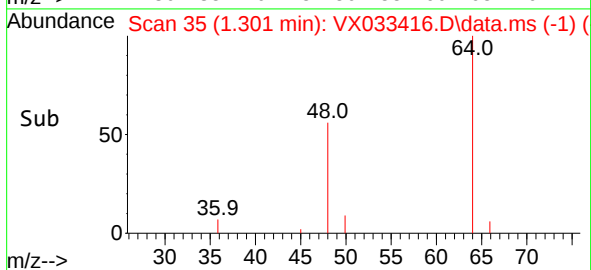
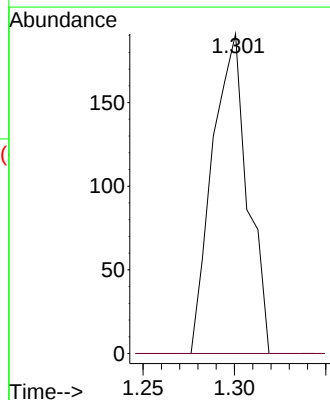
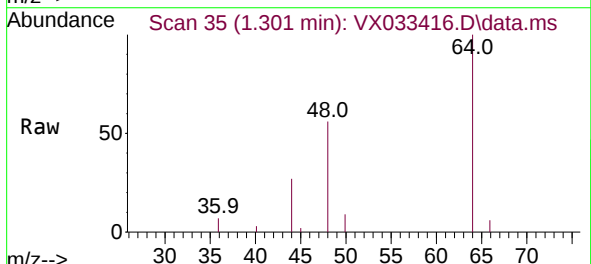
Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

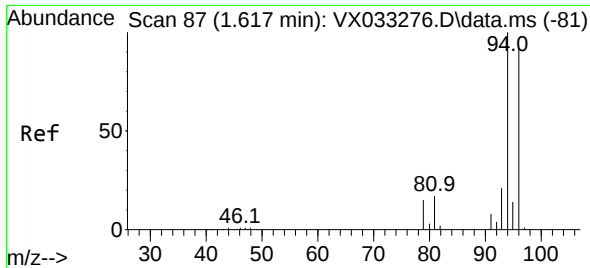
Tgt Ion:168 Resp: 126325
Ion Ratio Lower Upper
168 100
99 57.3 46.1 69.1



#3
Chloromethane
Concen: 0.251 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

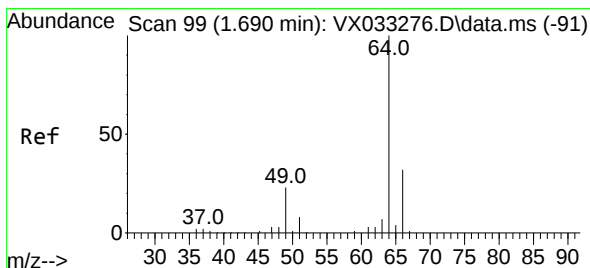
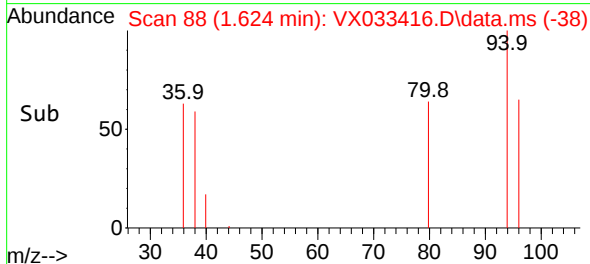
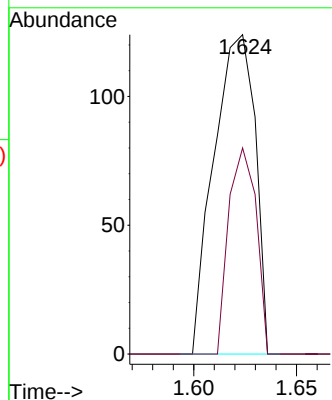
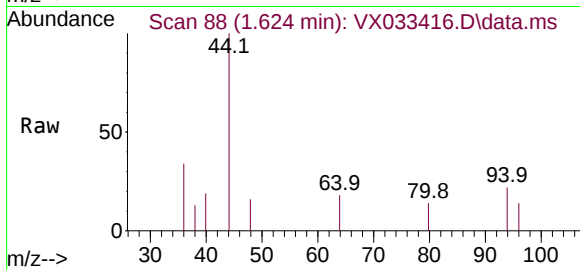




#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

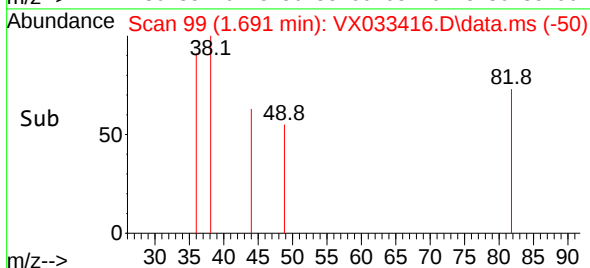
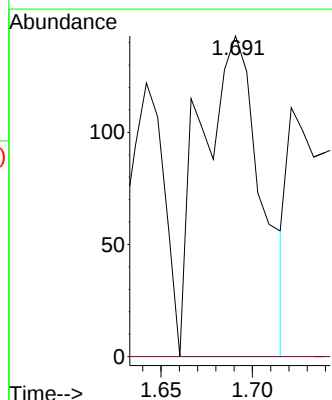
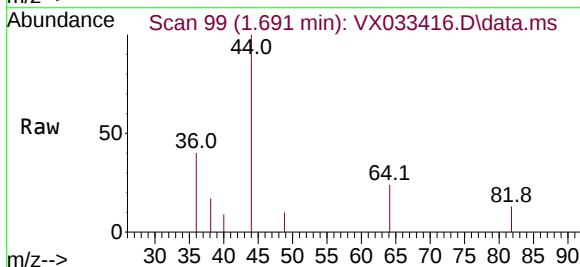
Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

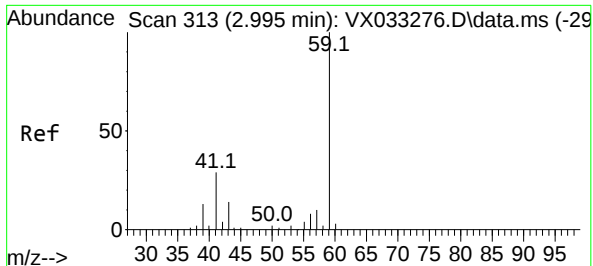
Tgt Ion: 94 Resp: 174
Ion Ratio Lower Upper
94 100
96 64.5 77.6 116.4#



#6
Chloroethane
Concen: 0.369 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion: 64 Resp: 326
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 1.348 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.048 min

Lab File: VX033416.D

Acq: 14 Dec 2022 13:58

Instrument :

MSVOA_X

ClientSampleId :

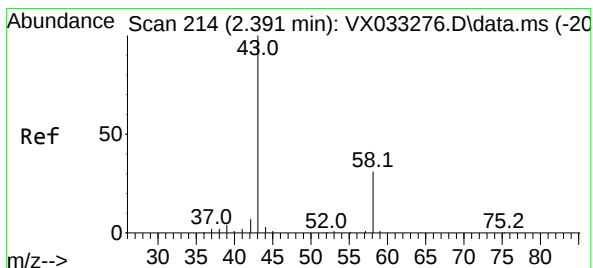
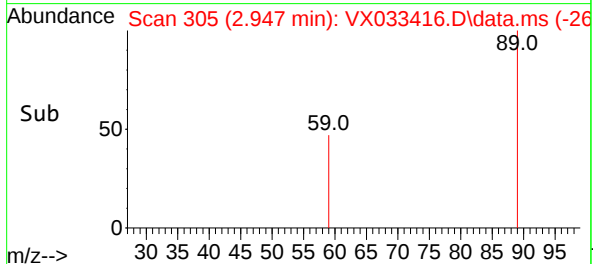
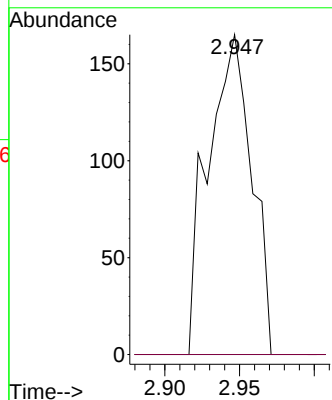
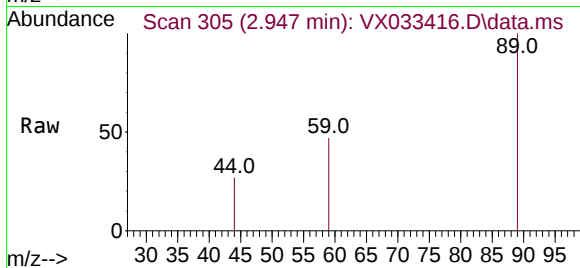
TB-01-121322

Tgt Ion: 59 Resp: 334

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 0.539 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033416.D

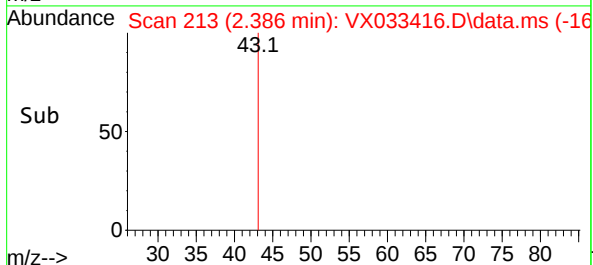
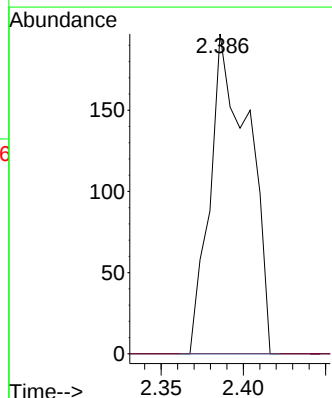
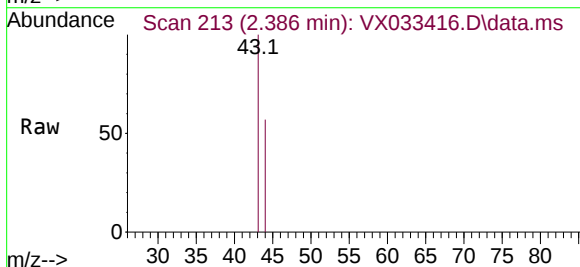
Acq: 14 Dec 2022 13:58

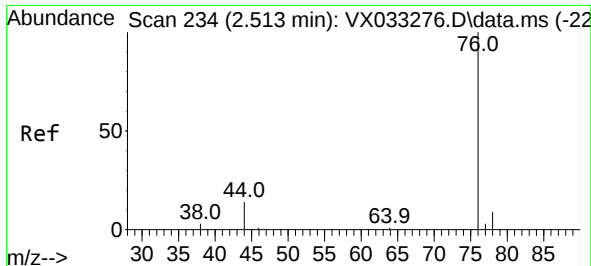
Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#

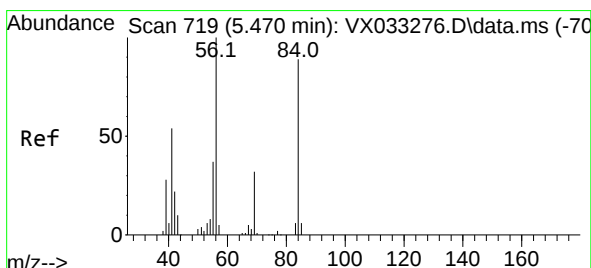
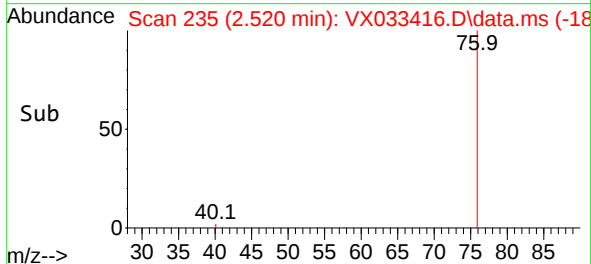
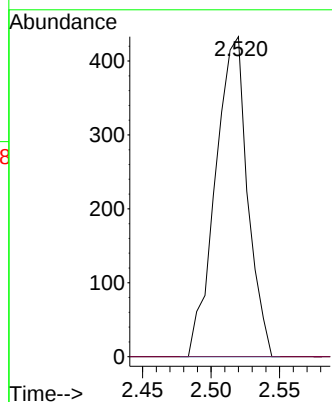
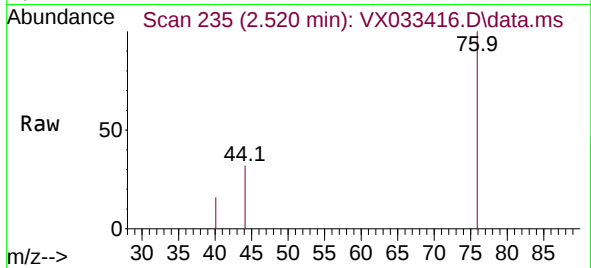




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

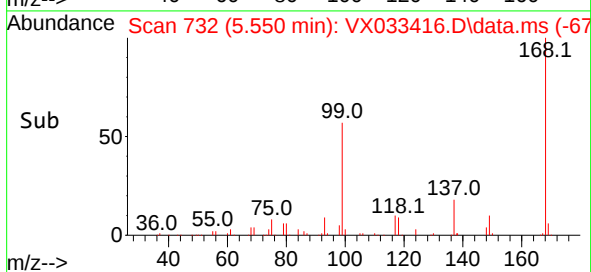
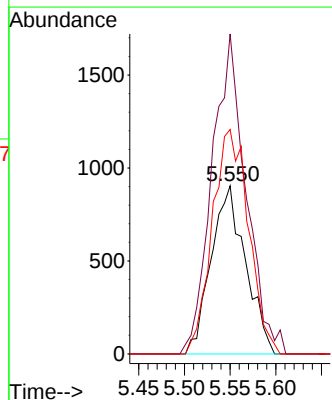
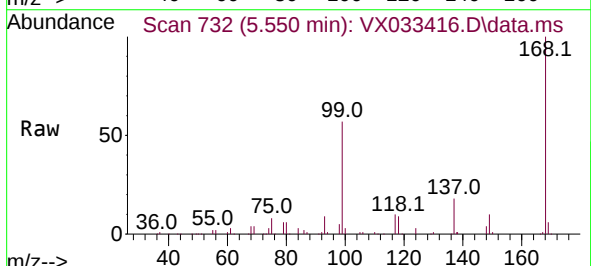
Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

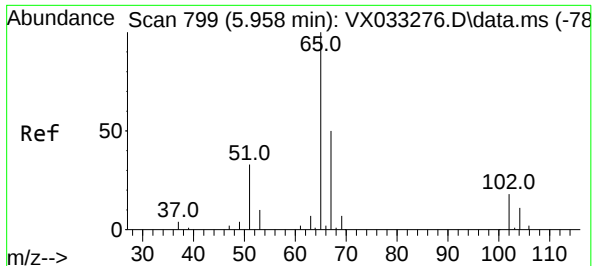
Tgt Ion: 76 Resp: 708
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion: 56 Resp: 2365
Ion Ratio Lower Upper
56 100
69 190.4 24.1 36.1#
84 133.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 46.881 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033416.D

Acq: 14 Dec 2022 13:58

Instrument :

MSVOA_X

ClientSampleId :

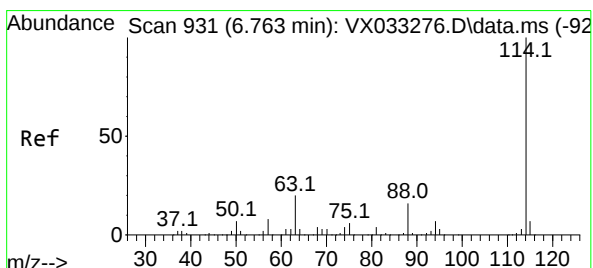
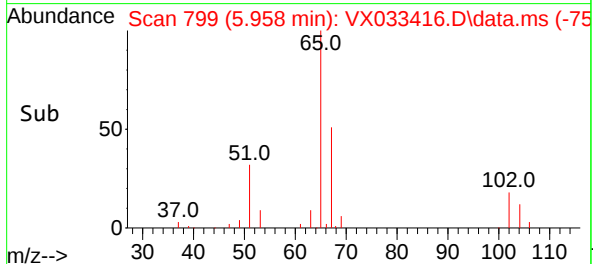
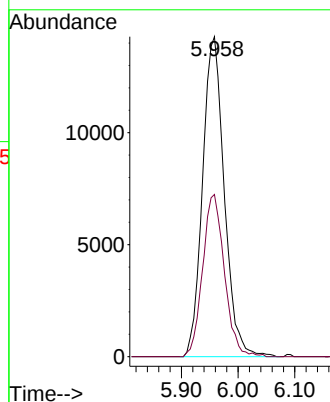
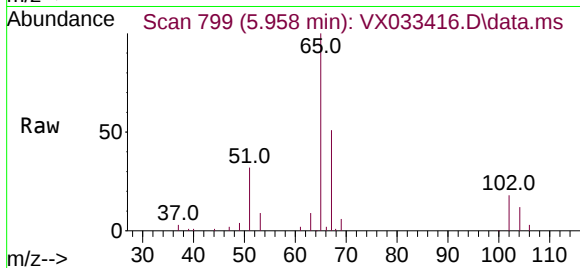
TB-01-121322

Tgt Ion: 65 Resp: 37993

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033416.D

Acq: 14 Dec 2022 13:58

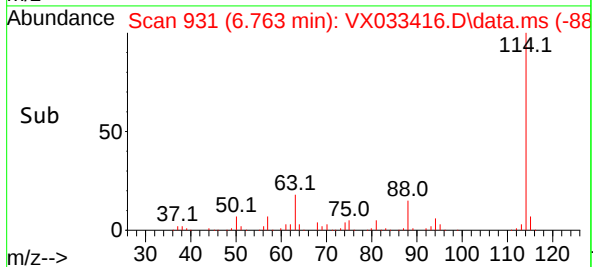
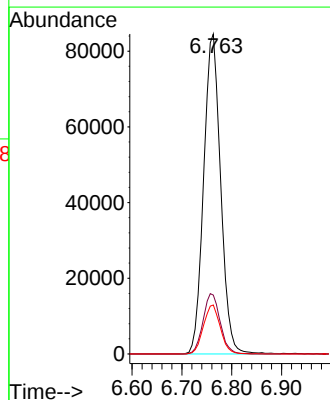
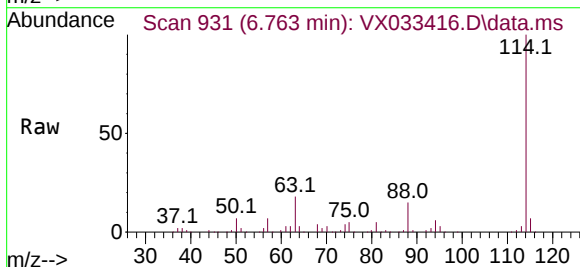
Tgt Ion: 114 Resp: 199969

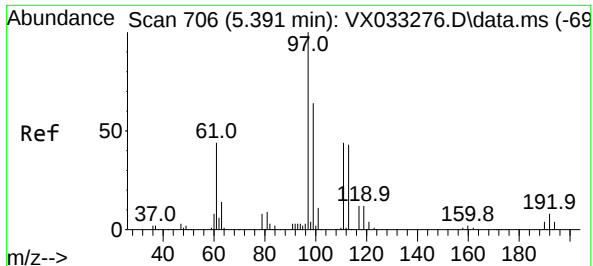
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

88 15.3 0.0 33.4

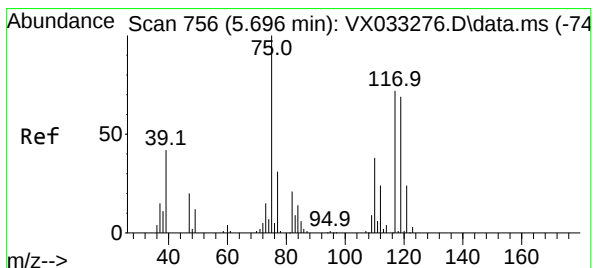
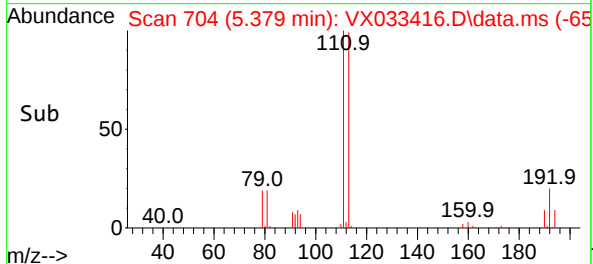
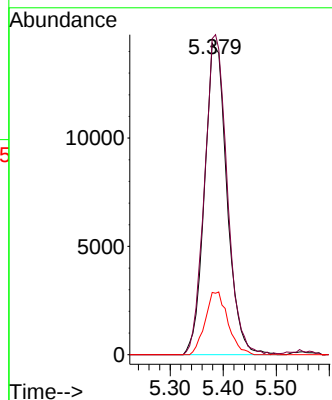
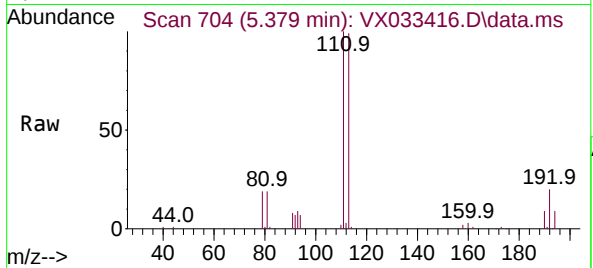




#35
Dibromofluoromethane
Concen: 47.006 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.012 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

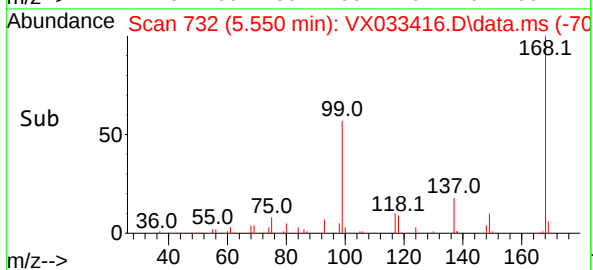
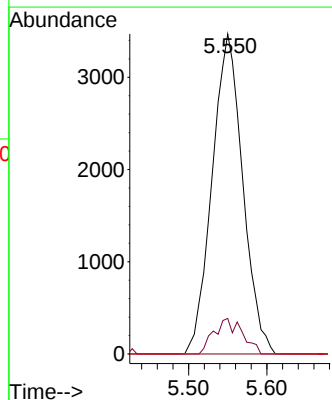
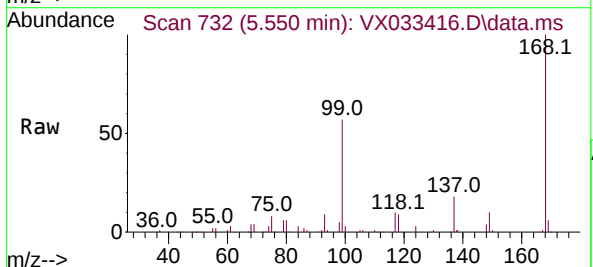
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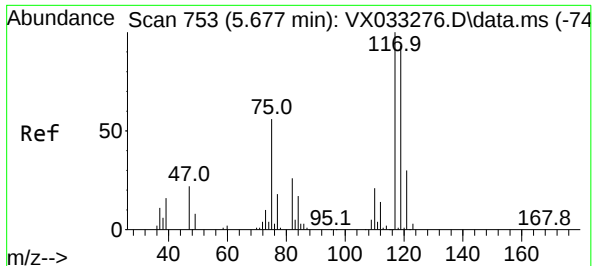
Tgt Ion:113 Resp: 42278
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 20.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.380 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion: 75 Resp: 9435
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.5 36.7#

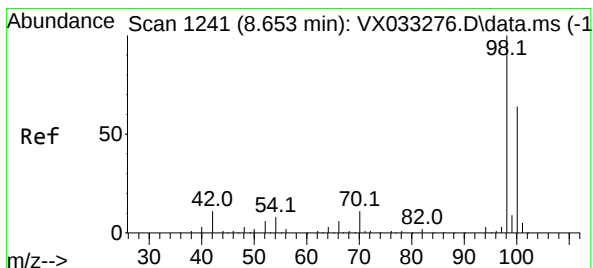
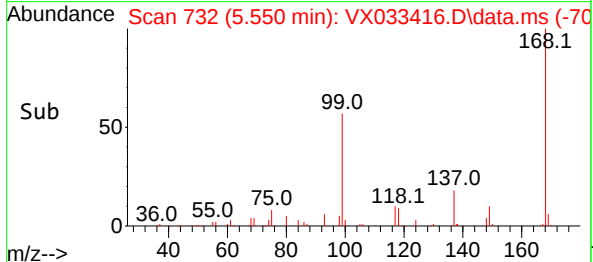
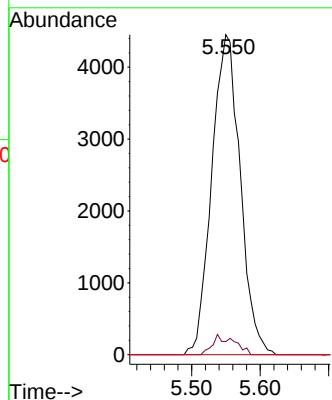
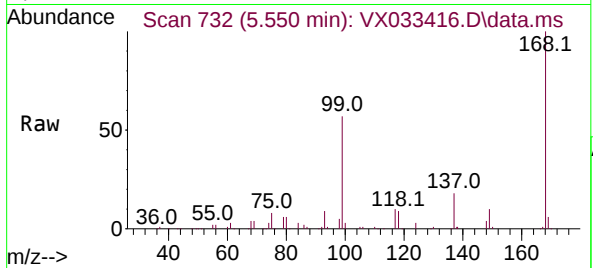




#38
Carbon Tetrachloride
Concen: 6.515 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

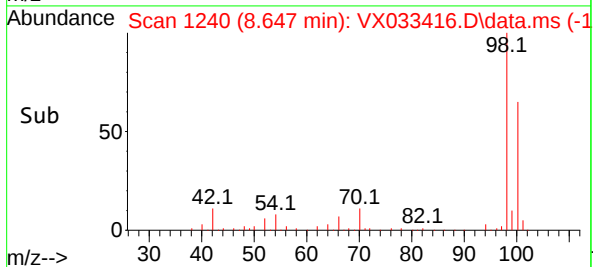
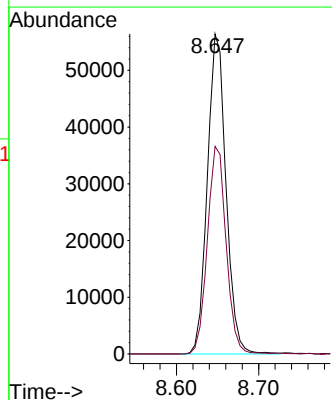
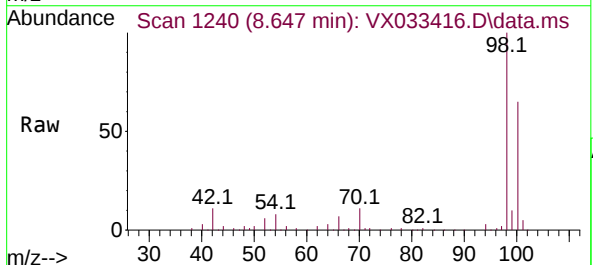
Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

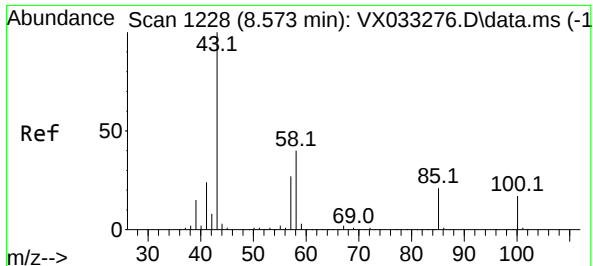
Tgt Ion:117 Resp: 12801
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.221 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion: 98 Resp: 88848
Ion Ratio Lower Upper
98 100
100 65.2 50.9 76.3

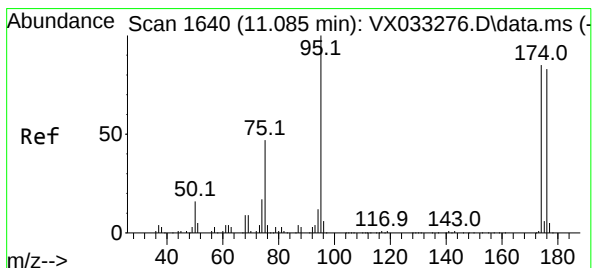
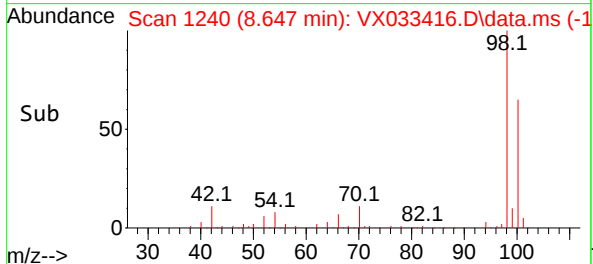
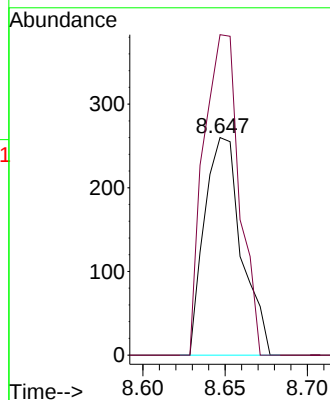
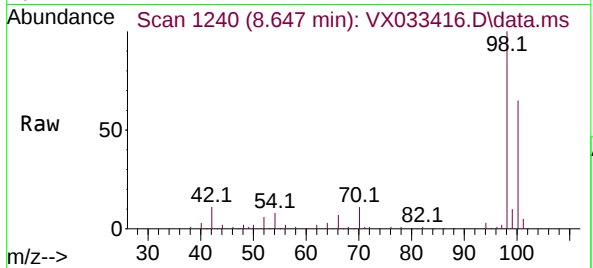




#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

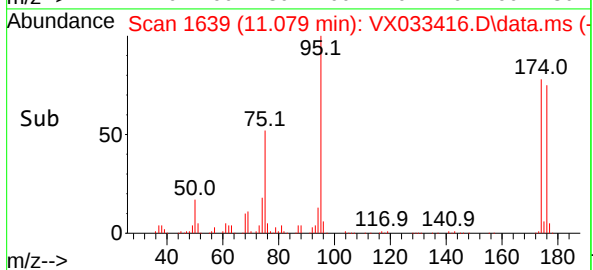
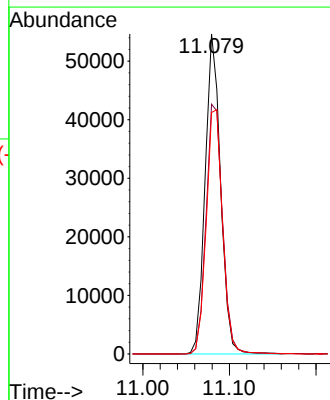
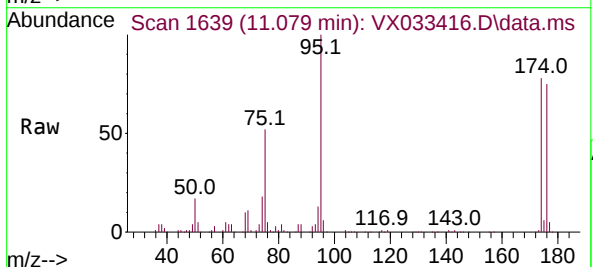
Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

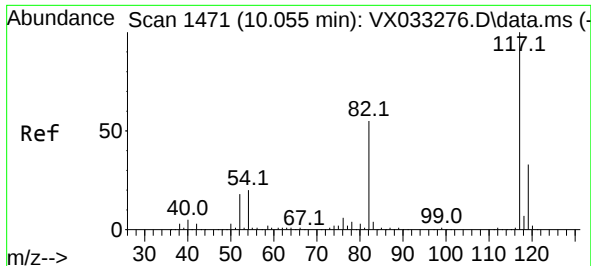
Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
58 141.4 30.9 46.3#



#62
4-Bromofluorobenzene
Concen: 47.006 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion: 95 Resp: 67625
Ion Ratio Lower Upper
95 100
174 83.7 0.0 164.0
176 81.0 0.0 154.4

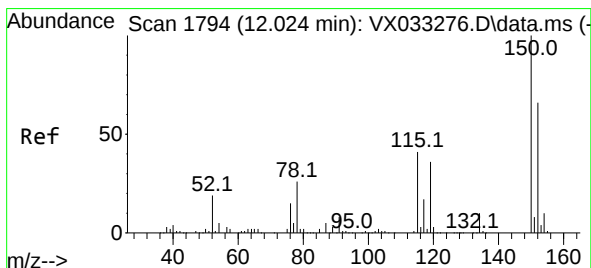
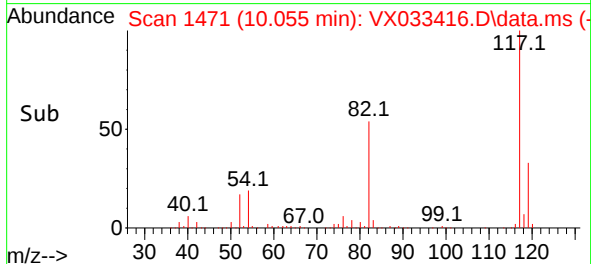
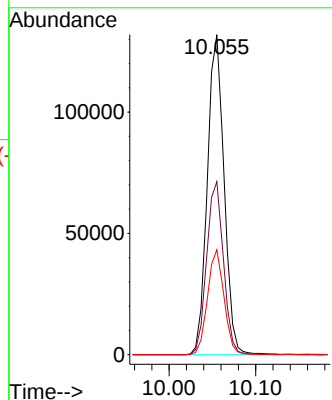
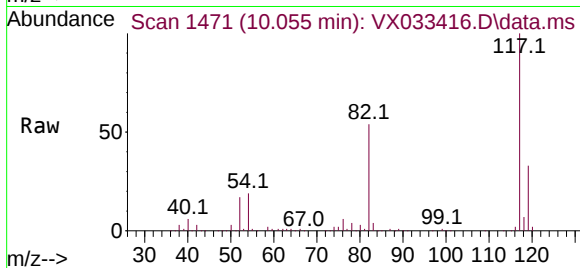




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

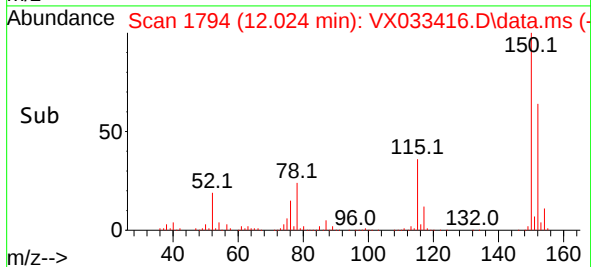
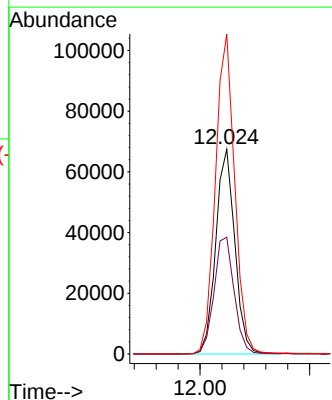
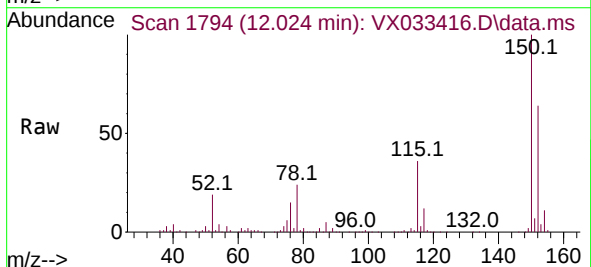
Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

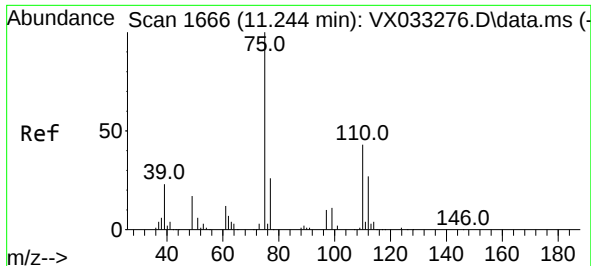
Tgt Ion:117 Resp: 177287
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 32.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion:152 Resp: 81682
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 158.1 0.0 351.8

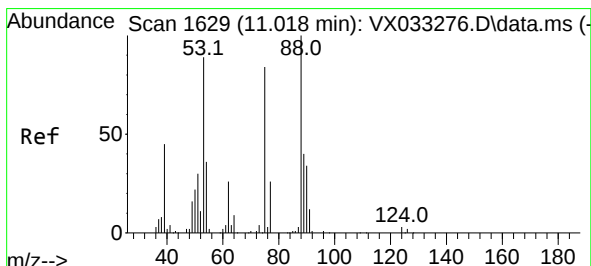
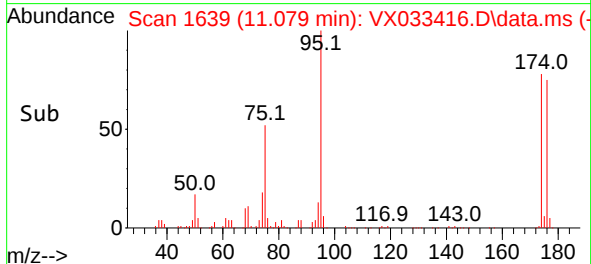
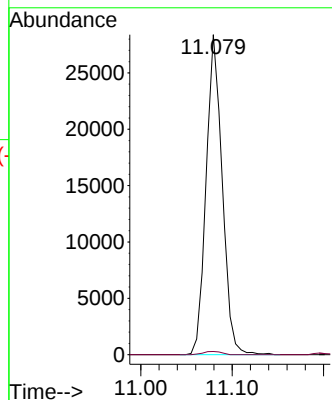
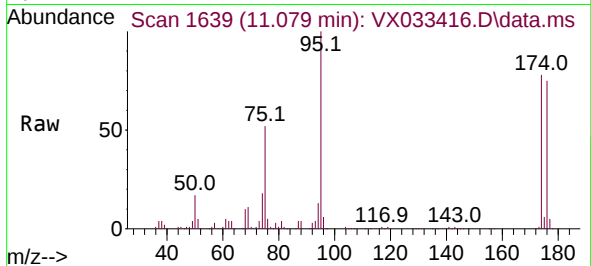




#76
1,2,3-Trichloropropane
Concen: 20.825 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

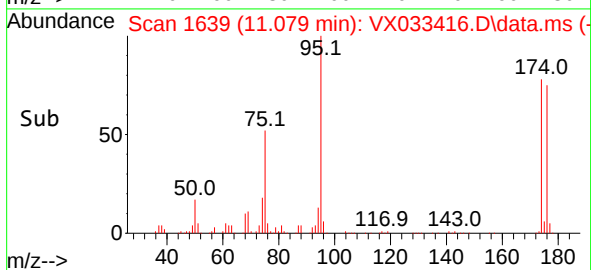
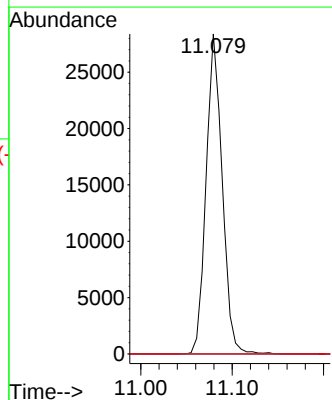
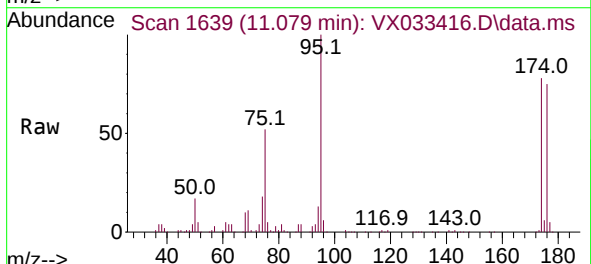
Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

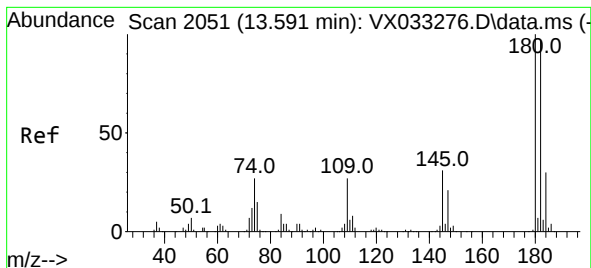
Tgt Ion: 75 Resp: 34608
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.781 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion: 75 Resp: 34608
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.257 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX033416.D

Acq: 14 Dec 2022 13:58

Instrument :

MSVOA_X

ClientSampleId :

TB-01-121322

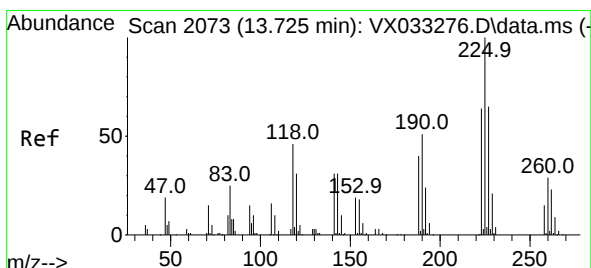
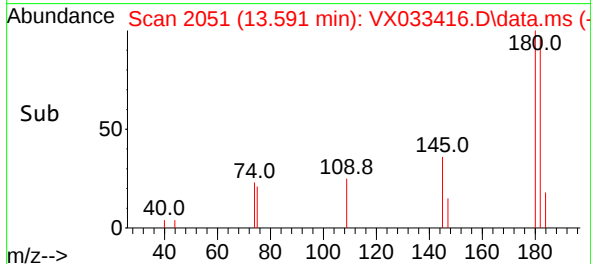
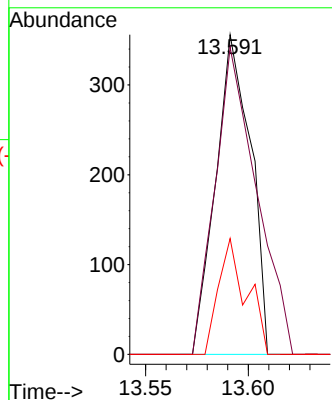
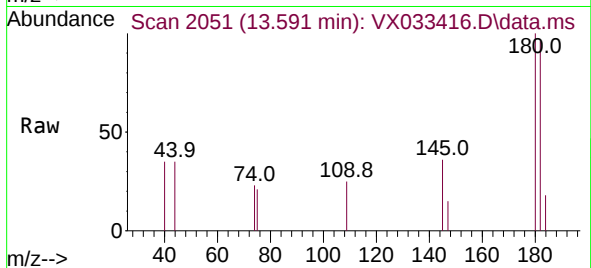
Tgt Ion:180 Resp: 421

Ion Ratio Lower Upper

180 100

182 114.0 48.4 145.0

145 29.0 16.2 48.5



#94

Hexachlorobutadiene

Concen: 0.834 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX033416.D

Acq: 14 Dec 2022 13:58

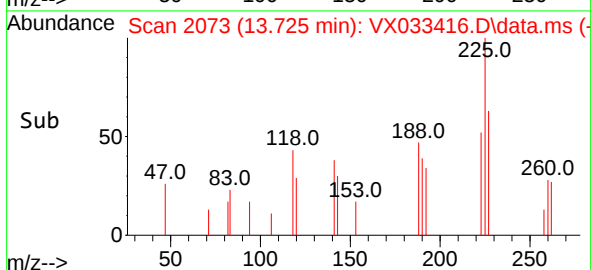
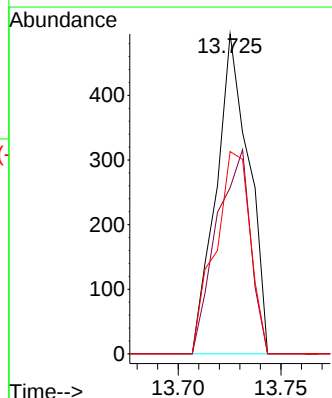
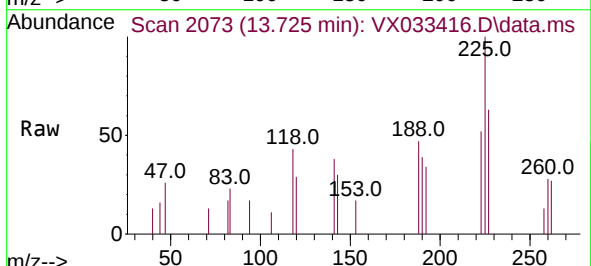
Tgt Ion:225 Resp: 546

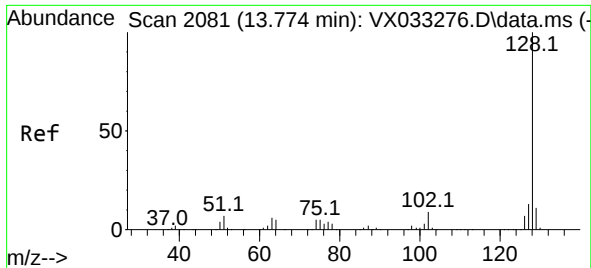
Ion Ratio Lower Upper

225 100

223 66.3 31.9 95.9

227 68.1 31.9 95.5

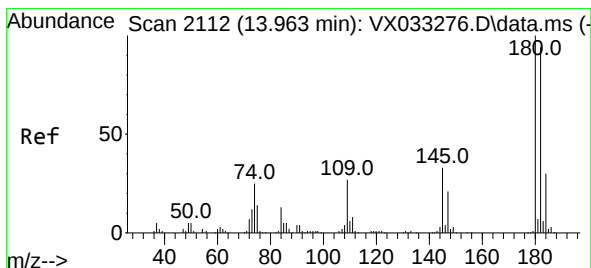
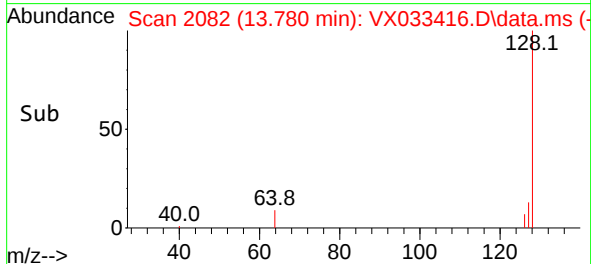
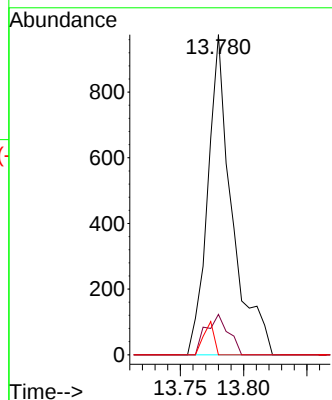
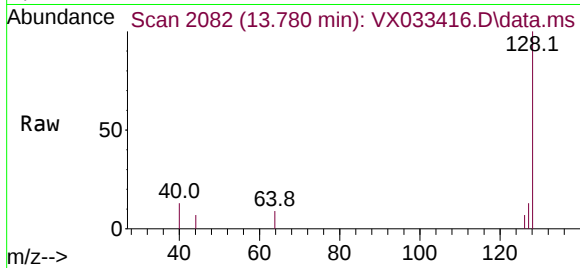




#95
Naphthalene
Concen: 0.237 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.007 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Instrument :
MSVOA_X
ClientSampleId :
TB-01-121322

Tgt Ion:128 Resp: 1291
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 4.4 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 0.231 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.007 min
Lab File: VX033416.D
Acq: 14 Dec 2022 13:58

Tgt Ion:180 Resp: 382
Ion Ratio Lower Upper
180 100
182 102.4 47.5 142.6
145 34.0 16.9 50.6

