

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023381.D
 Acq On : 22 Jul 2021 18:12
 Operator : JC/MD
 Sample : PB137853ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137853ZHE#02

Quant Time: Jul 23 06:08:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

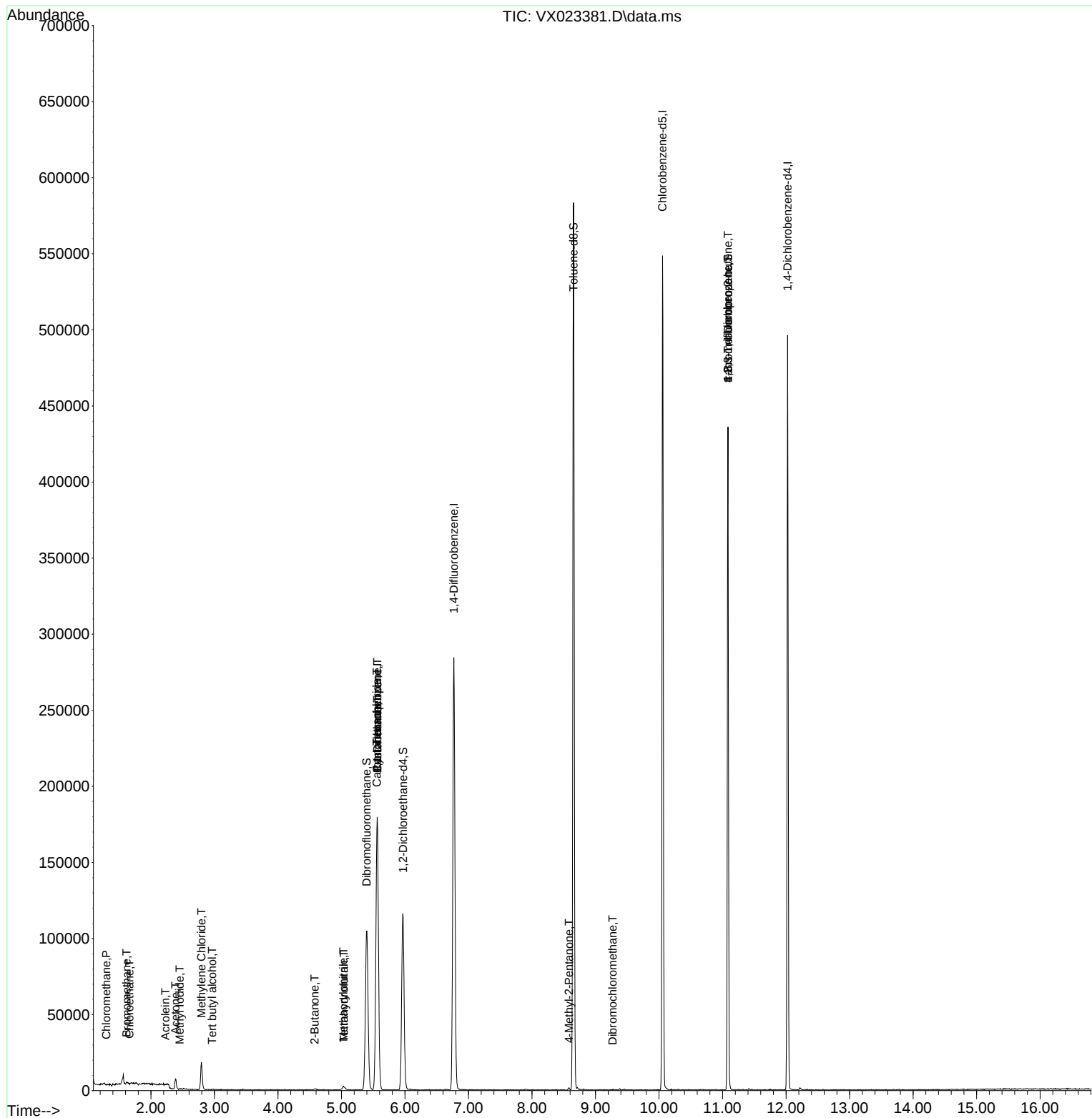
Internal Standards						
1) Pentafluorobenzene	5.562	168	173556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	288863	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	110203	50.903	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.800%			
35) Dibromofluoromethane	5.397	113	91905	50.886	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.780%			
50) Toluene-d8	8.653	98	339110	51.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.200%			
62) 4-Bromofluorobenzene	11.085	95	107787	47.770	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.540%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	519	0.279	ug/l #	53
5) Bromomethane	1.618	94	596	0.533	ug/l #	57
6) Chloroethane	1.660	64	278	0.241	ug/l #	43
10) Methyl Iodide	2.453	142	511	0.237	ug/l #	85
11) Tert butyl alcohol	2.965	59	288	0.582	ug/l #	73
13) Acrolein	2.227	56	142	1.925	ug/l #	14
16) Acetone	2.386	43	7283	6.858	ug/l	97
20) Methylene Chloride	2.794	84	7655	3.706	ug/l	94
25) 2-Butanone	4.574	43	1303	0.790	ug/l #	75
29) Tetrahydrofuran	5.038	42	2157	1.996	ug/l #	72
31) Cyclohexane	5.562	56	3718	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	13275	5.080	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16922	6.368	ug/l #	18
41) Methacrylonitrile	5.032	41	1400	0.805	ug/l #	32
51) 4-Methyl-2-Pentanone	8.580	43	889	0.285	ug/l #	78
60) Dibromochloromethane	9.269	129	22	1.993	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	54509	24.076	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54509	64.737	ug/l #	12

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

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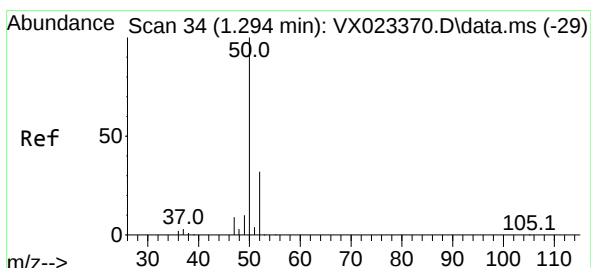
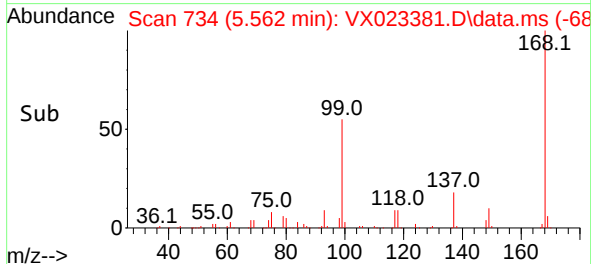
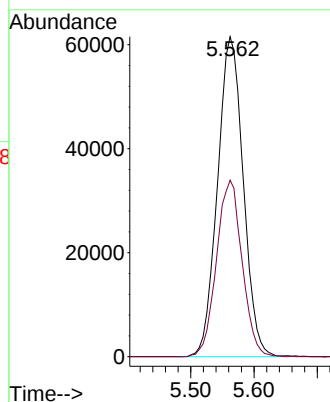
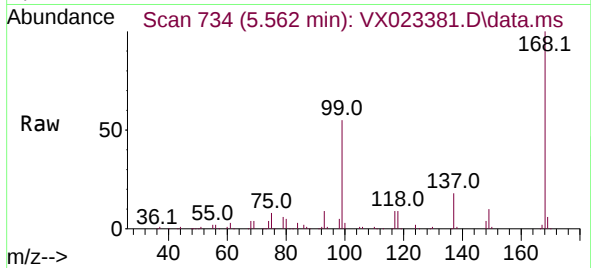




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

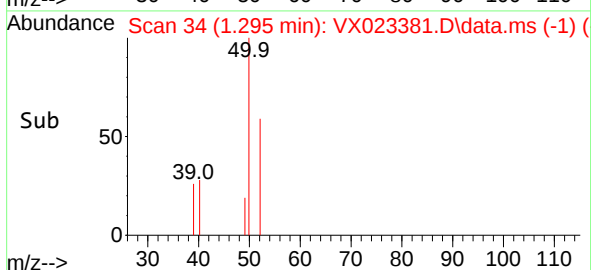
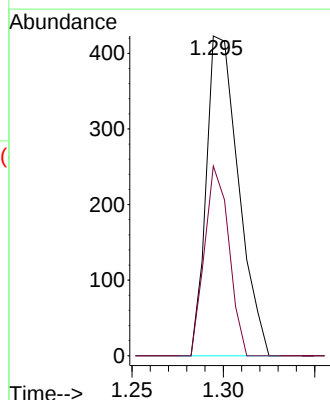
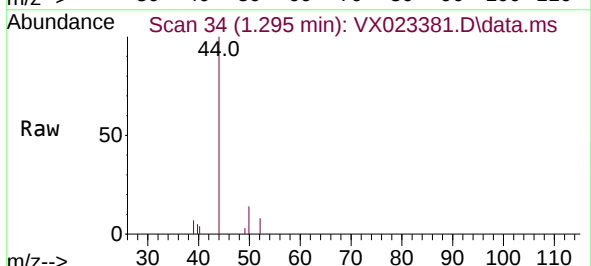
Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

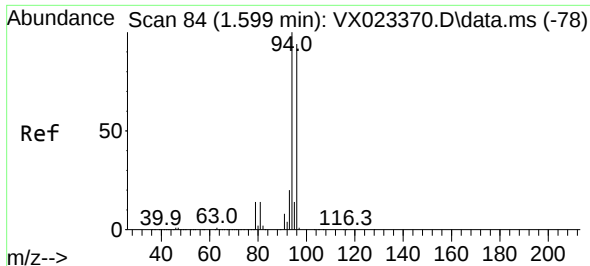
Tgt Ion:168 Resp: 173556
Ion Ratio Lower Upper
168 100
99 55.2 45.8 68.6



#3
Chloromethane
Concen: 0.279 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion: 50 Resp: 519
Ion Ratio Lower Upper
50 100
52 59.3 26.4 39.6#

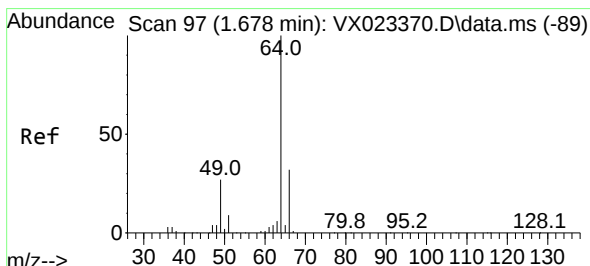
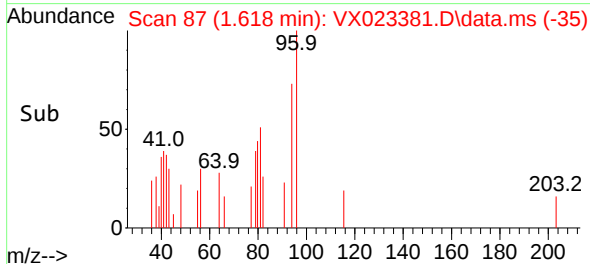
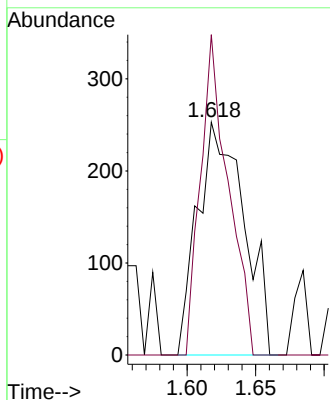
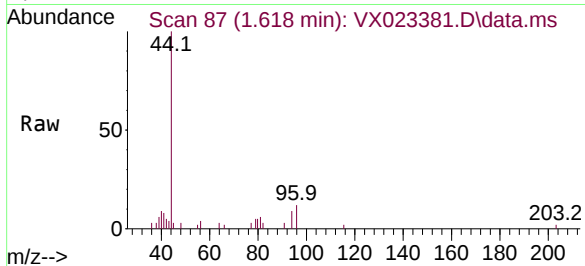




#5
Bromomethane
Concen: 0.533 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

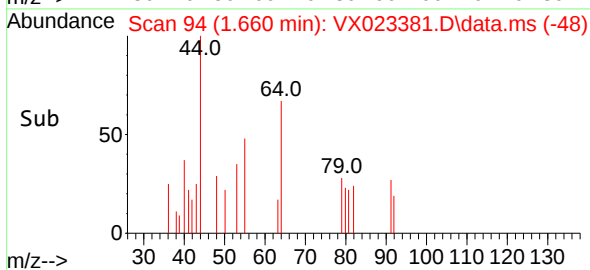
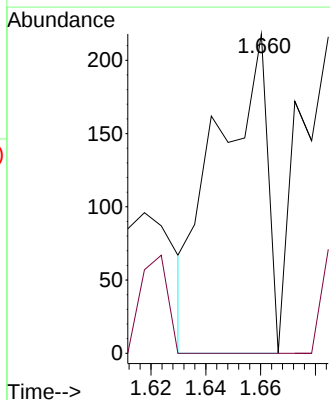
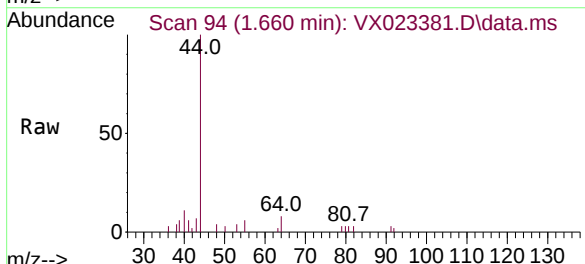
Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

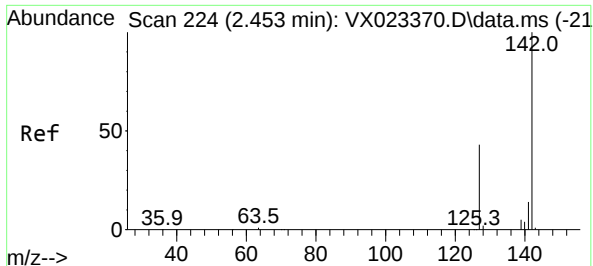
Tgt Ion: 94 Resp: 596
Ion Ratio Lower Upper
94 100
96 137.5 76.4 114.6#



#6
Chloroethane
Concen: 0.241 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 0.237 ug/l

RT: 2.453 min Scan# 224

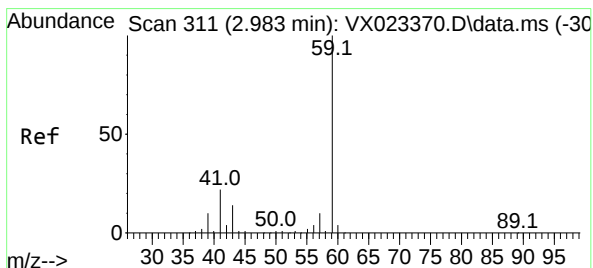
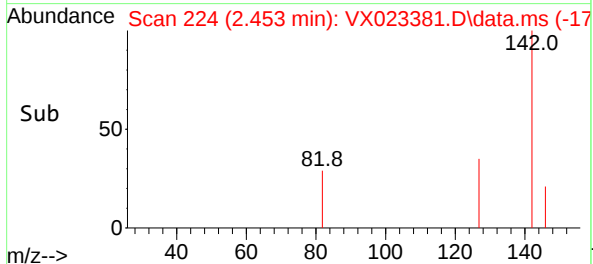
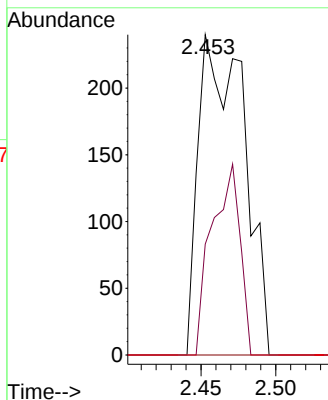
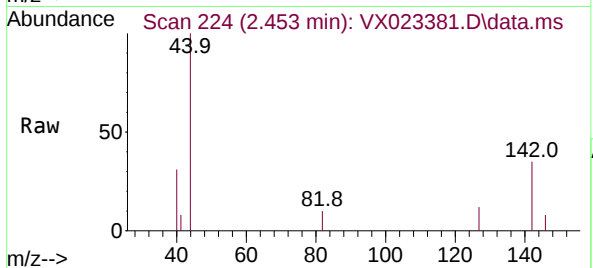
Delta R.T. -0.000 min

Lab File: VX023381.D

Acq: 22 Jul 2021 18:12

Tgt Ion:	142	Resp:	511
Ion	Ratio	Lower	Upper
142	100		
127	36.8	33.3	49.9
141	0.0	11.4	17.0#

Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02



#11

Tert butyl alcohol

Concen: 0.582 ug/l

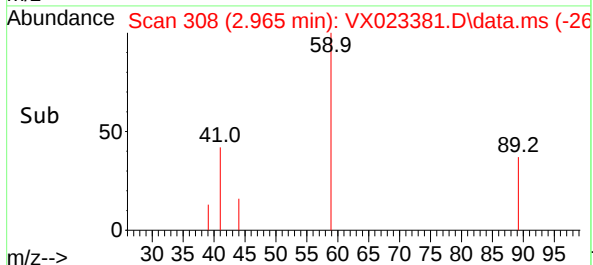
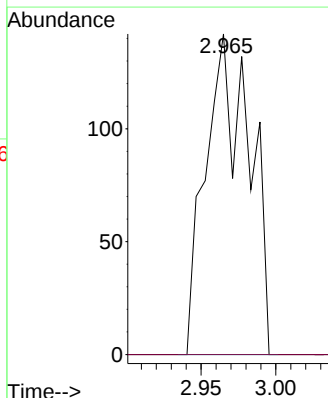
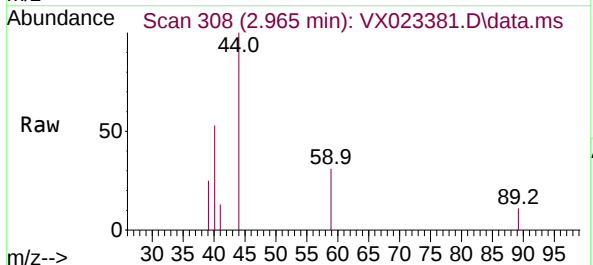
RT: 2.965 min Scan# 308

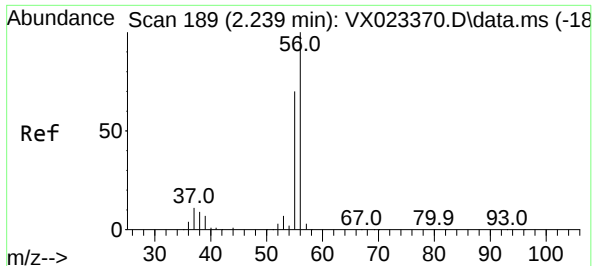
Delta R.T. -0.018 min

Lab File: VX023381.D

Acq: 22 Jul 2021 18:12

Tgt Ion:	59	Resp:	288
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

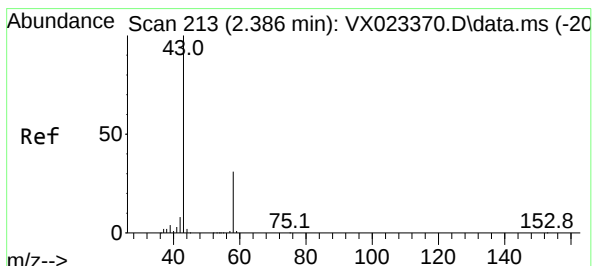
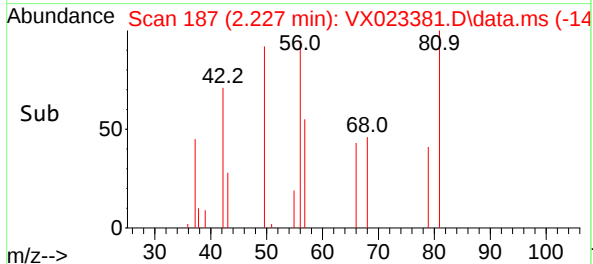
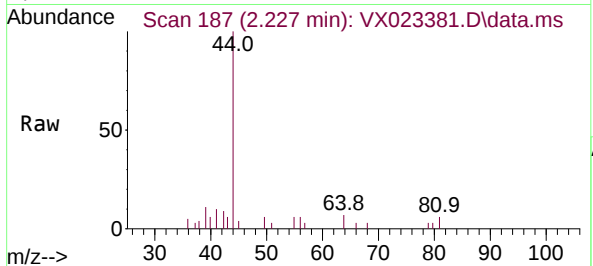




#13
Acrolein
Concen: 1.925 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

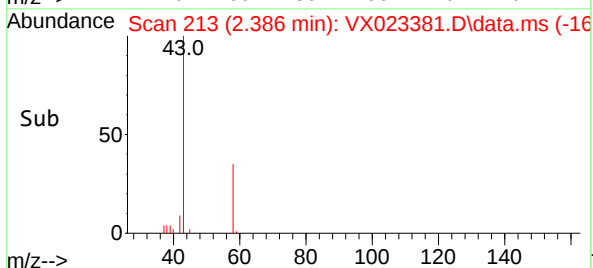
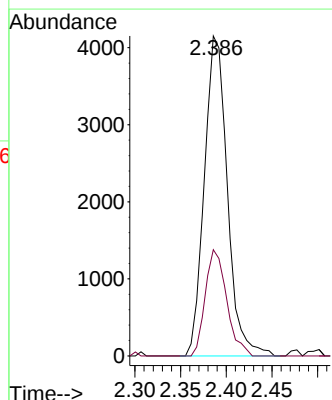
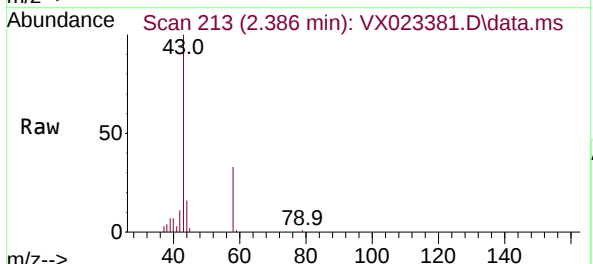
Instrument :
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ClientSampleId :
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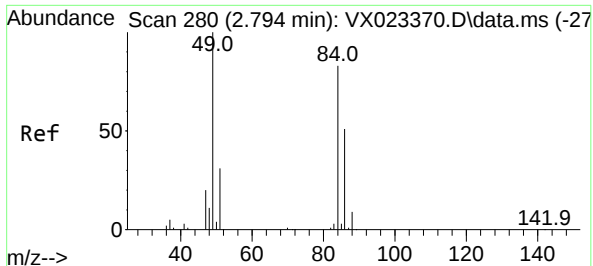
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 6.858 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

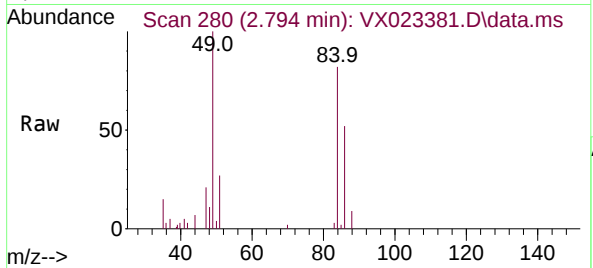
Tgt Ion: 43 Resp: 7283
Ion Ratio Lower Upper
43 100
58 33.2 27.8 41.8



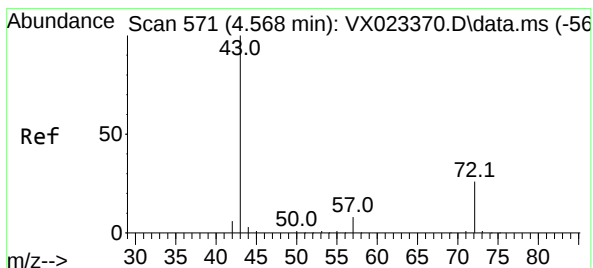
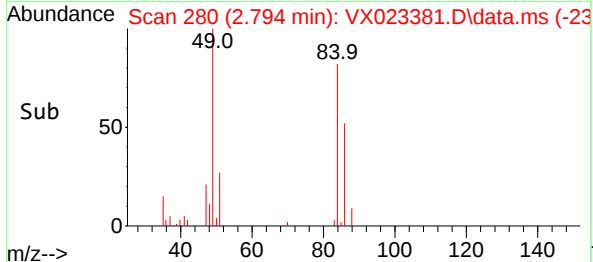
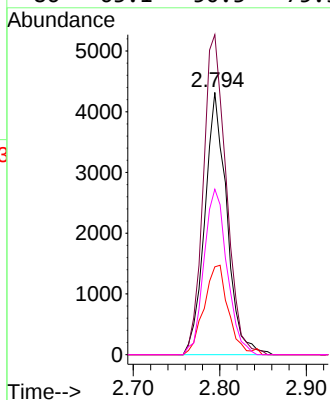


#20
Methylene Chloride
Concen: 3.706 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

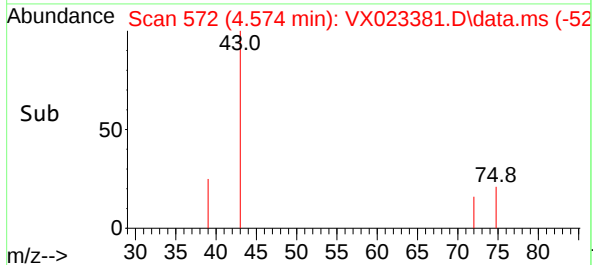
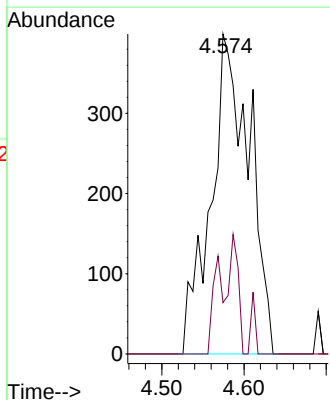
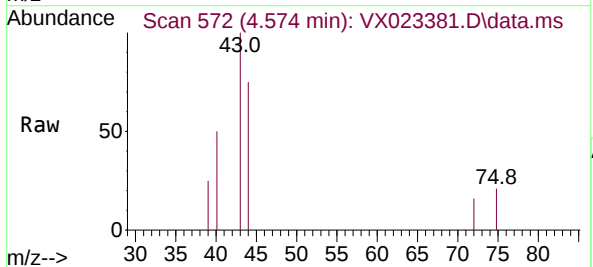


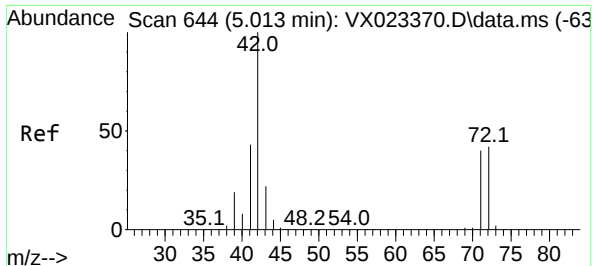
Tgt Ion:	84	Resp:	7655
Ion	Ratio	Lower	Upper
84	100		
49	122.0	88.6	132.8
51	33.5	27.0	40.6
86	63.1	50.3	75.5



#25
2-Butanone
Concen: 0.790 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion:	43	Resp:	1303
Ion	Ratio	Lower	Upper
43	100		
72	16.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.996 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX023381.D

Acq: 22 Jul 2021 18:12

Instrument :

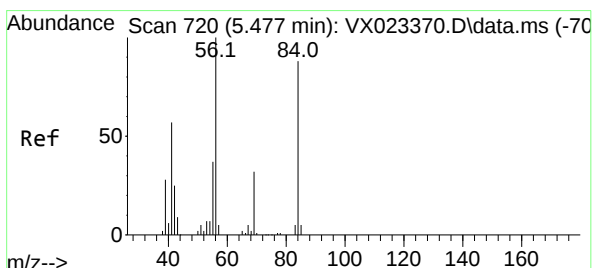
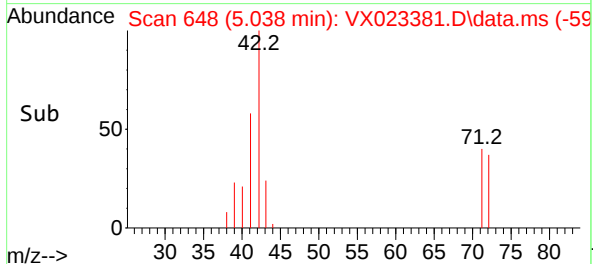
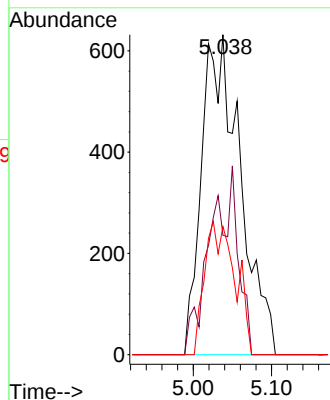
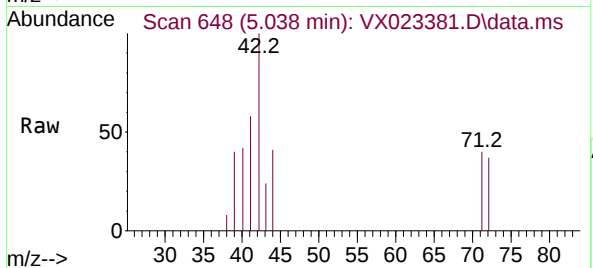
MSVOA_X

ClientSampleId :

PB137853ZHE#02

Tgt Ion: 42 Resp: 2157

Ion	Ratio	Lower	Upper
42	100		
72	28.4	41.7	62.5#
71	32.9	38.4	57.6#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 5.562 min Scan# 734

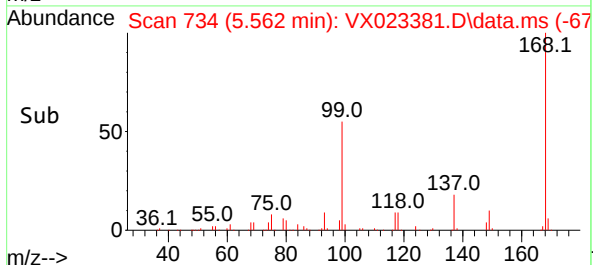
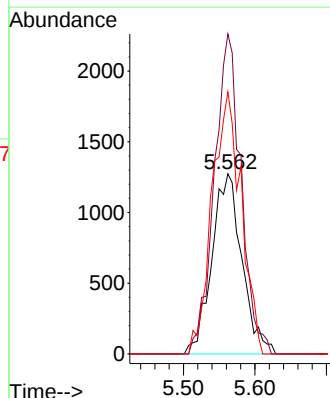
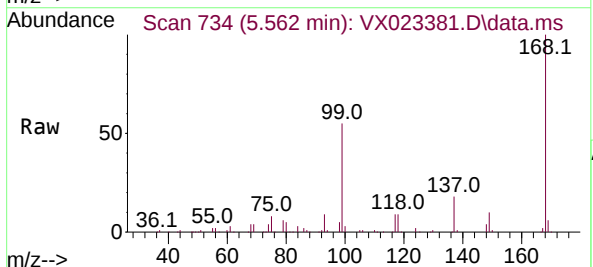
Delta R.T. 0.085 min

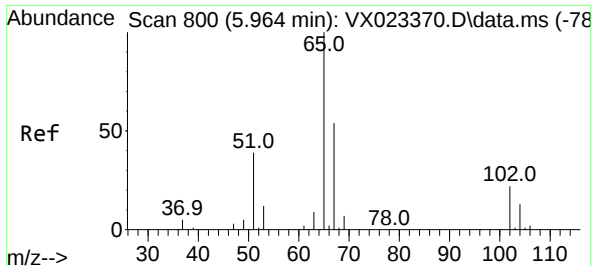
Lab File: VX023381.D

Acq: 22 Jul 2021 18:12

Tgt Ion: 56 Resp: 3718

Ion	Ratio	Lower	Upper
56	100		
69	177.7	25.3	37.9#
84	145.6	71.4	107.0#



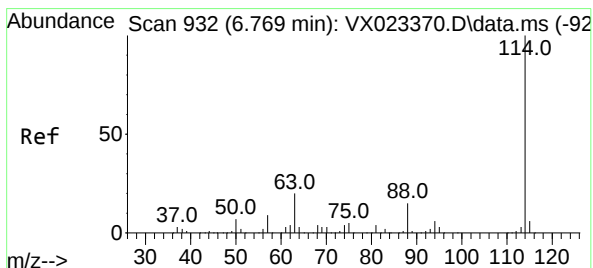
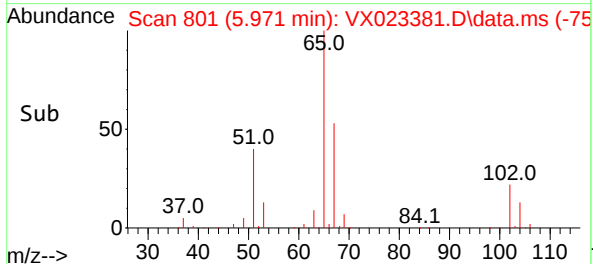
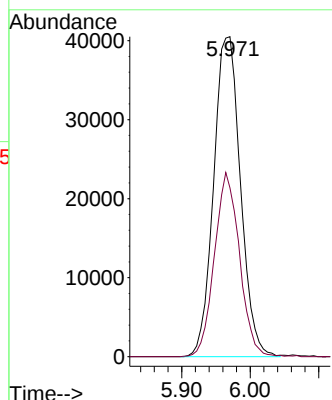
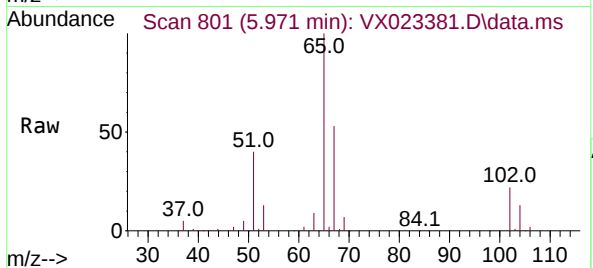


#33

1,2-Dichloroethane-d4
Concen: 50.903 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

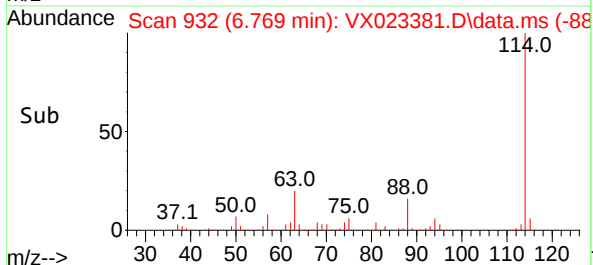
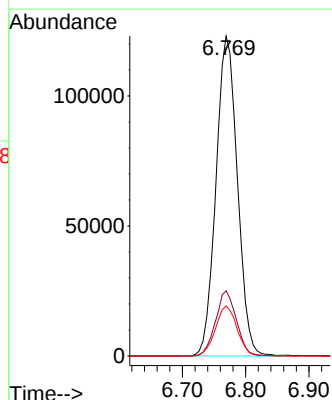
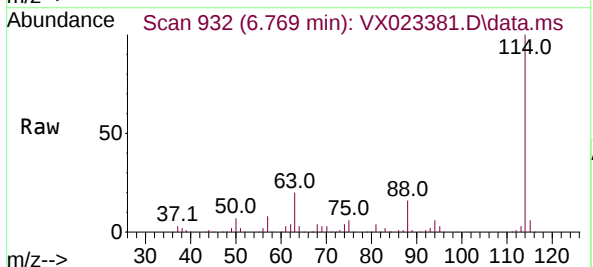
Tgt Ion: 65 Resp: 110203
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.4

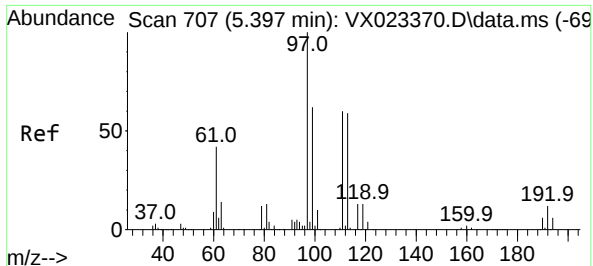


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion: 114 Resp: 288863
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.886 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023381.D

Acq: 22 Jul 2021 18:12

Tgt Ion:113 Resp: 91905

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

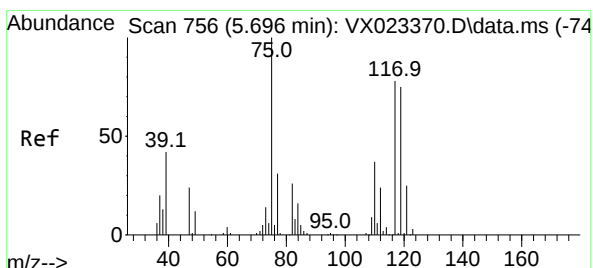
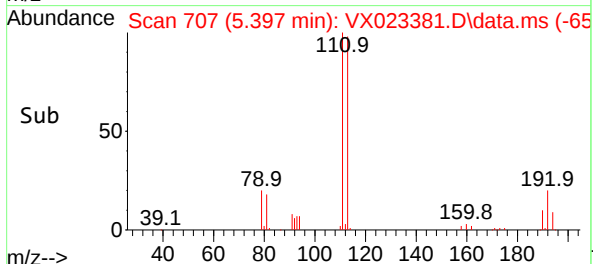
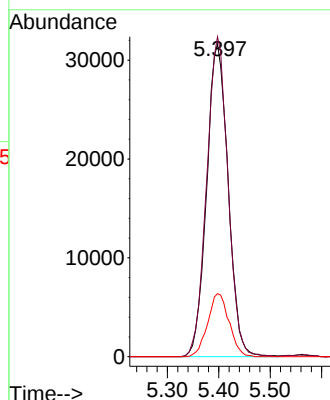
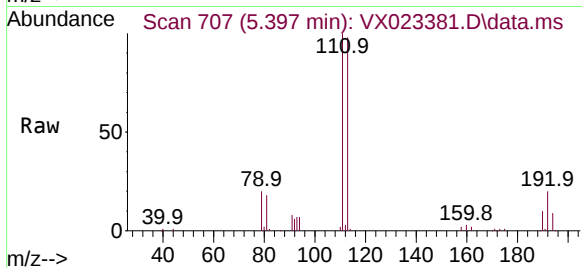
192 20.1 16.7 25.1

Instrument :

MSVOA_X

ClientSampleId :

PB137853ZHE#02



#36

1,1-Dichloropropene

Concen: 5.080 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023381.D

Acq: 22 Jul 2021 18:12

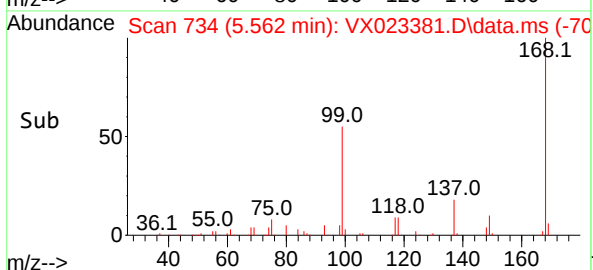
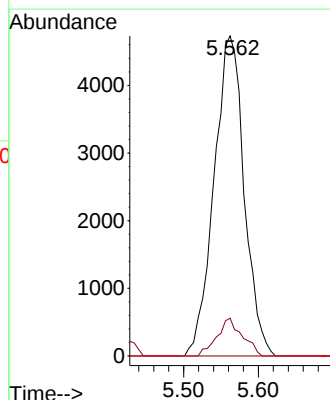
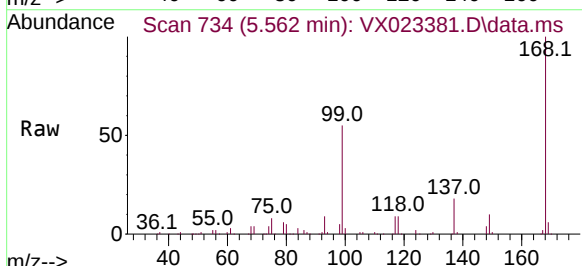
Tgt Ion: 75 Resp: 13275

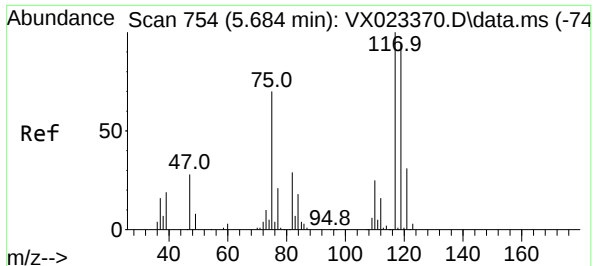
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

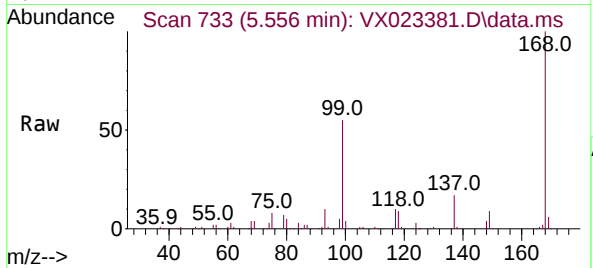
77 0.0 25.3 37.9#



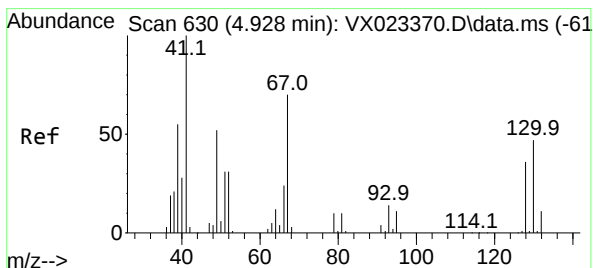
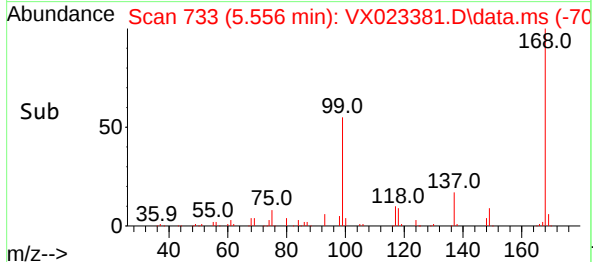
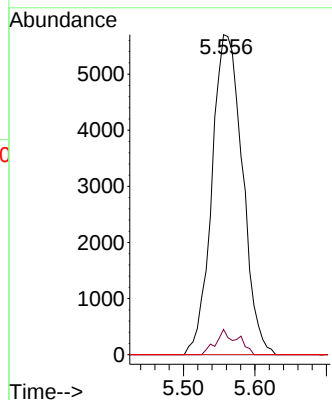


#38
Carbon Tetrachloride
Concen: 6.368 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

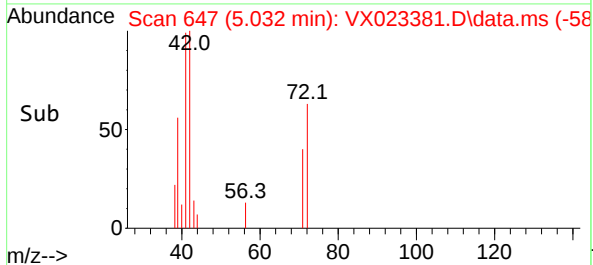
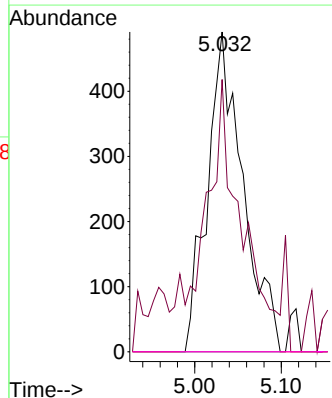
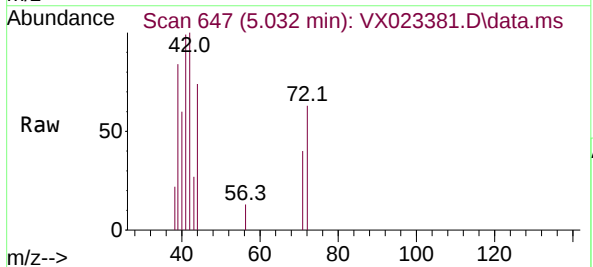


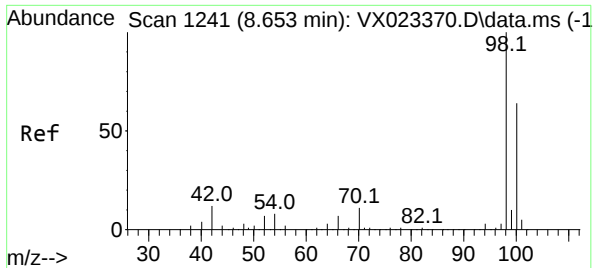
Tgt Ion:117 Resp: 16922
Ion Ratio Lower Upper
117 100
119 7.9 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.805 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion: 41 Resp: 1400
Ion Ratio Lower Upper
41 100
39 80.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

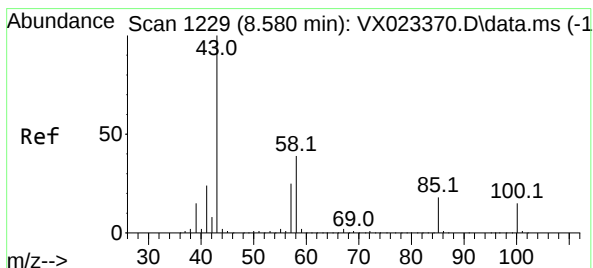
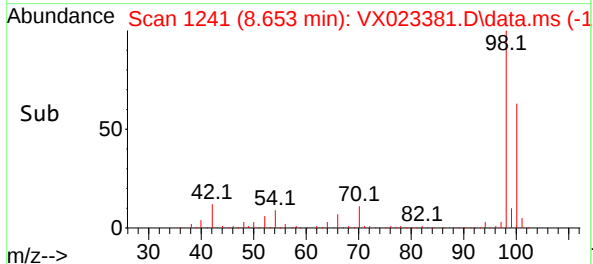
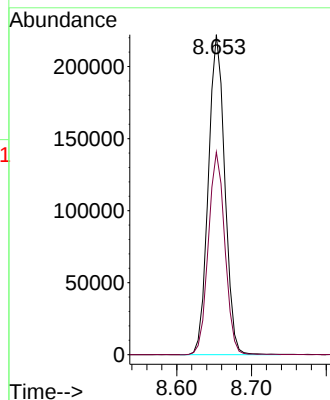
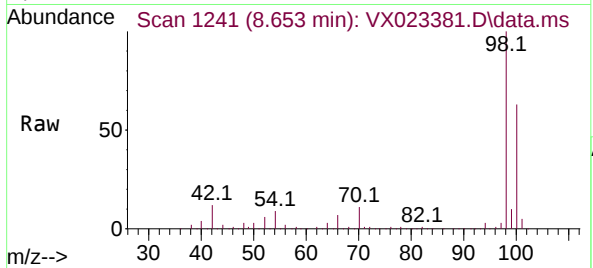




#50
Toluene-d8
Concen: 51.104 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

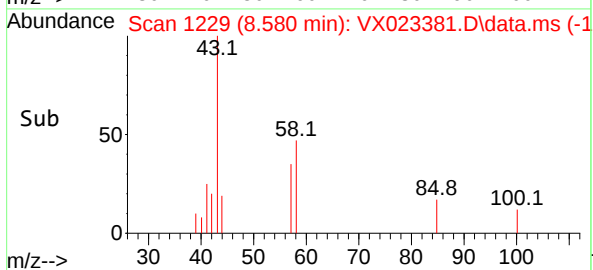
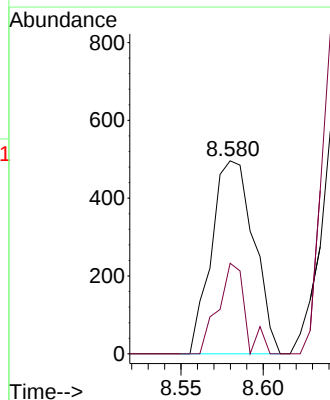
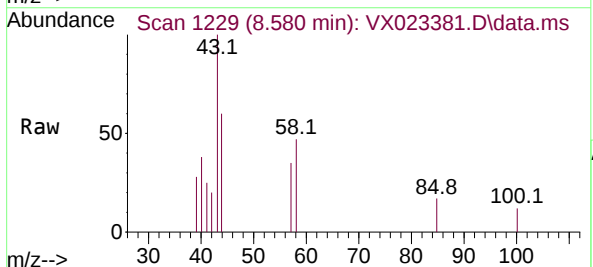
Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

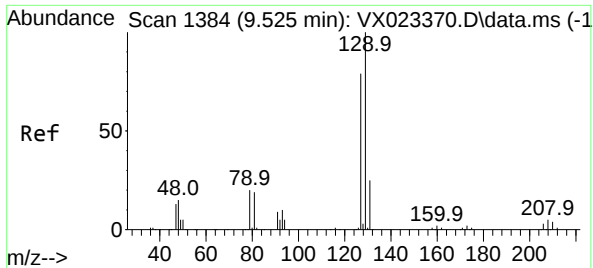
Tgt Ion: 98 Resp: 339110
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.285 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
58 29.8 35.4 53.0#

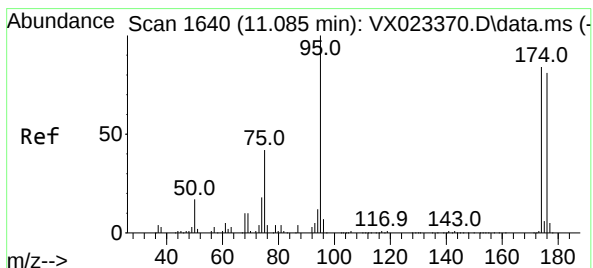
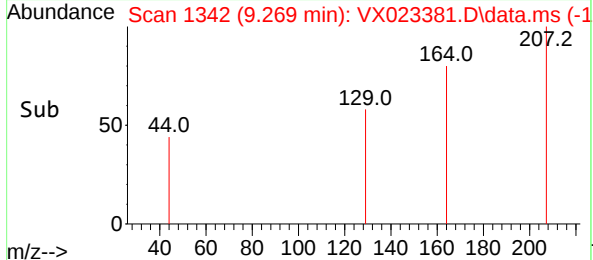
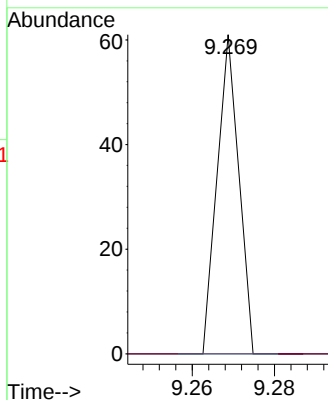
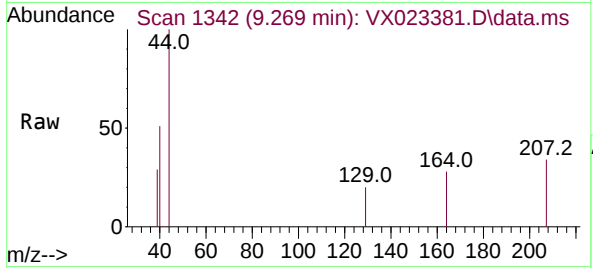




#60
Dibromochloromethane
Concen: 1.993 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

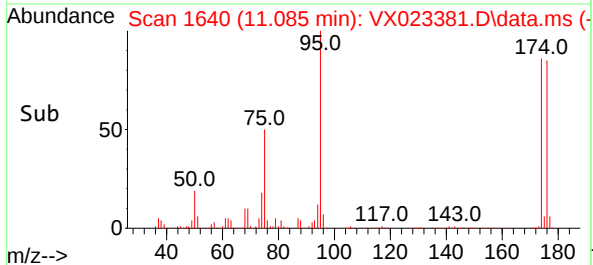
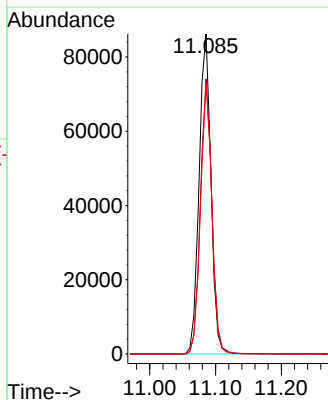
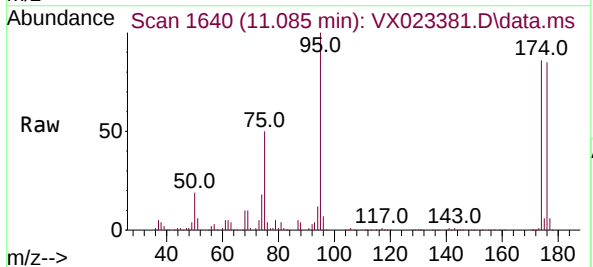
Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

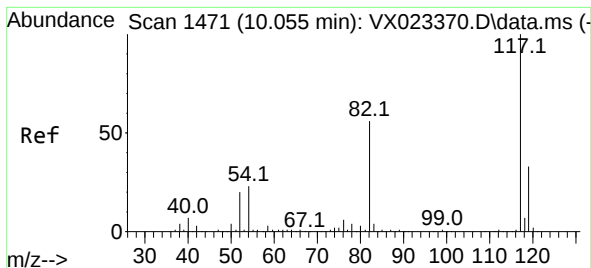
Tgt Ion:129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.770 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion: 95 Resp: 107787
Ion Ratio Lower Upper
95 100
174 83.5 0.0 154.6
176 81.4 0.0 155.8

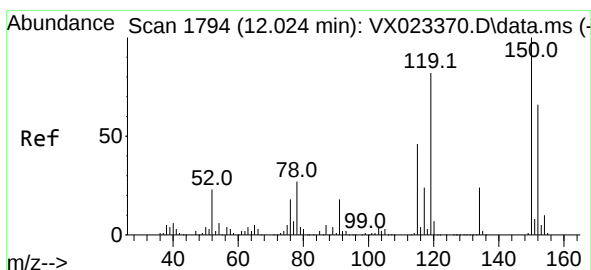
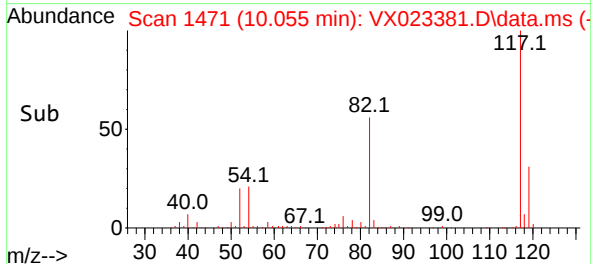
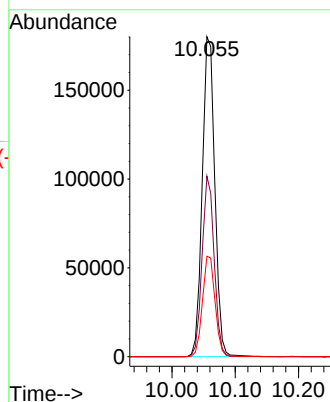
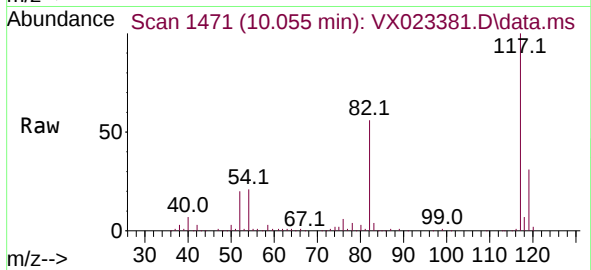




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

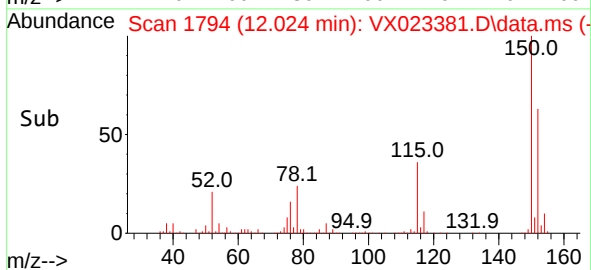
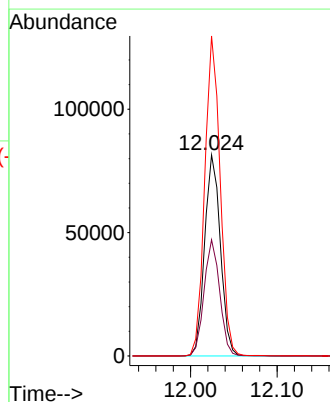
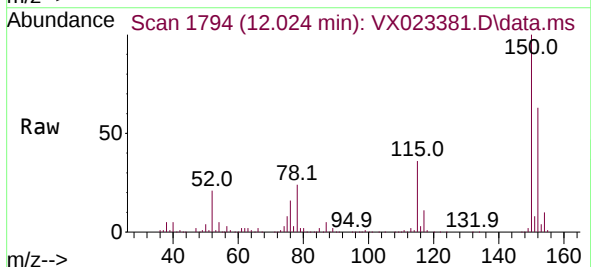
Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

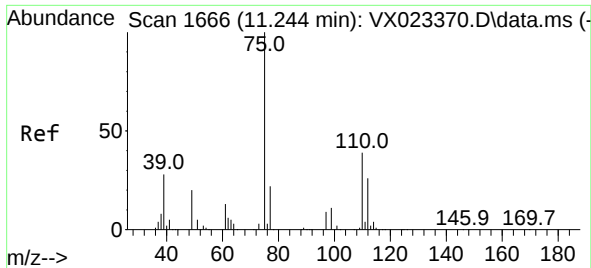
Tgt Ion:117 Resp: 249099
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion:152 Resp: 102885
Ion Ratio Lower Upper
152 100
115 57.5 41.1 123.3
150 155.6 0.0 349.0

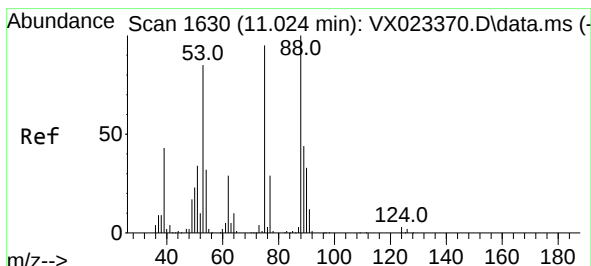
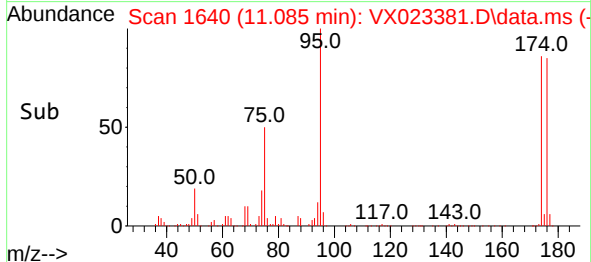
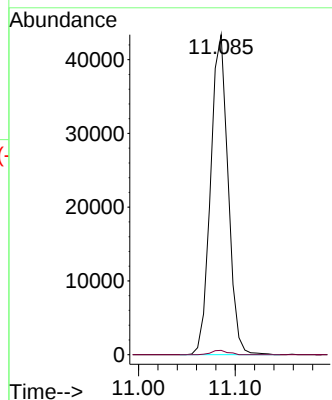
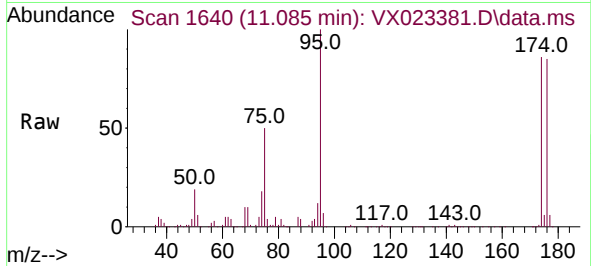




#76
1,2,3-Trichloropropane
Concen: 24.076 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Instrument :
MSVOA_X
ClientSampleId :
PB137853ZHE#02

Tgt Ion: 75 Resp: 54509
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.737 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023381.D
Acq: 22 Jul 2021 18:12

Tgt Ion: 75 Resp: 54509
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

