

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034545.D
 Acq On : 16 Mar 2023 15:01
 Operator : JC/MD
 Sample : PB151426ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#07

Quant Time: Mar 17 06:25:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

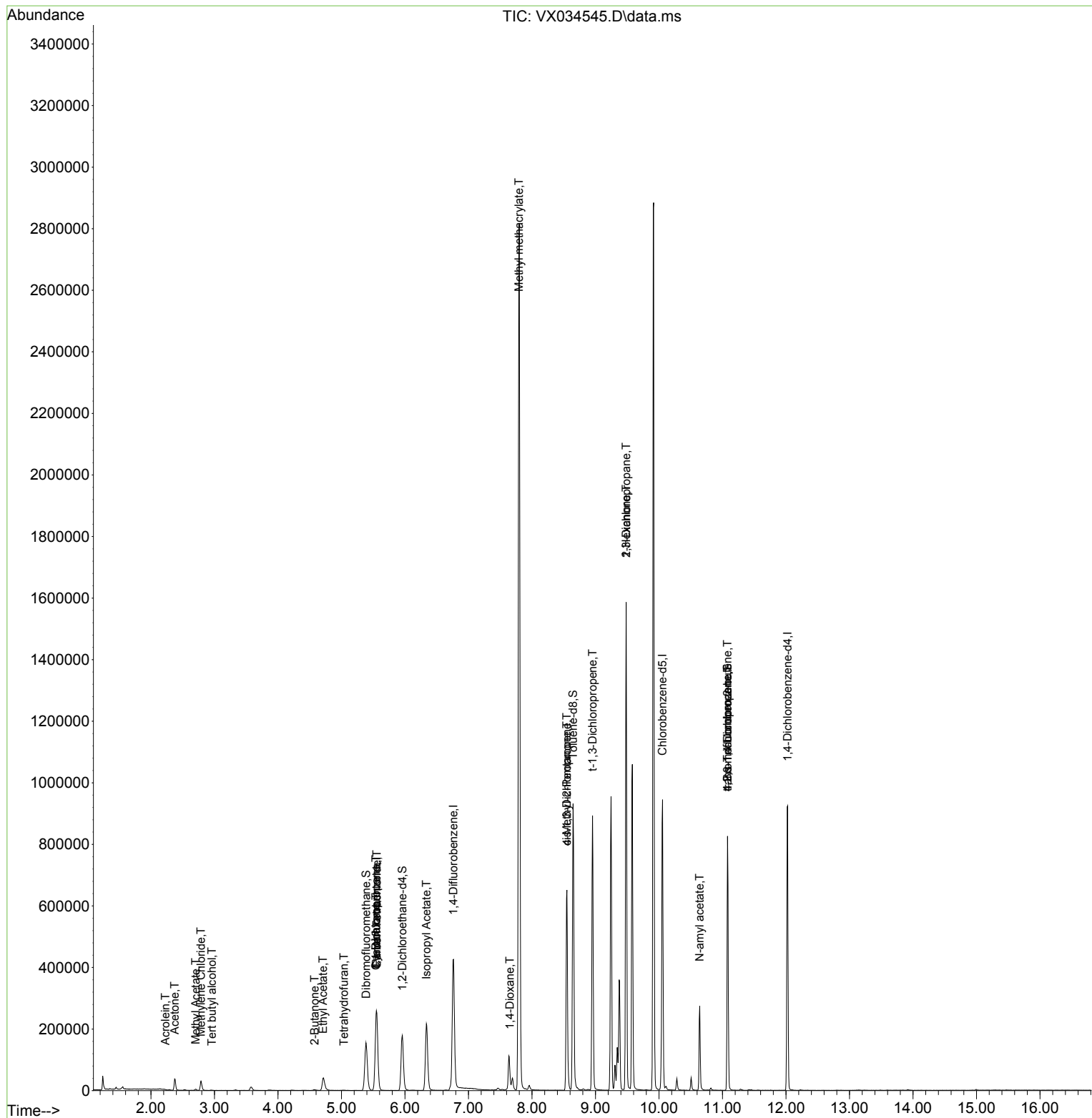
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	245207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	425011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	384863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	186287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170248	47.725	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.460%
35) Dibromofluoromethane	5.385	113	133156	47.452	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.900%
50) Toluene-d8	8.647	98	520598	49.697	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.400%
62) 4-Bromofluorobenzene	11.079	95	214461	50.685	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	393	Below Cal	#	72
11) Tert butyl alcohol	2.959	59	1089	1.466	ug/l #	73
13) Acrolein	2.227	56	125	0.213	ug/l #	37
16) Acetone	2.374	43	39586	23.558	ug/l	99
18) Methyl Acetate	2.703	43	4960	0.903	ug/l	97
20) Methylene Chloride	2.788	84	13405	4.110	ug/l	97
25) 2-Butanone	4.574	43	4710	1.959	ug/l	98
29) Tetrahydrofuran	5.038	42	1225	0.826	ug/l #	57
31) Cyclohexane	5.544	56	5904	1.180	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	20715	4.806	ug/l #	50
37) Ethyl Acetate	4.709	43	73600	15.631	ug/l	98
38) Carbon Tetrachloride	5.556	117	24859	5.798	ug/l #	16
43) Isopropyl Acetate	6.336	43	302043	37.866	ug/l	100
48) Methyl methacrylate	7.793	41	258424	67.362	ug/l #	46
49) 1,4-Dioxane	7.653	88	23	0.285	ug/l #	23
51) 4-Methyl-2-Pentanone	8.549	43	234157	50.603	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1726	0.354	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	101516	19.227	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	12760	2.318	ug/l #	42
59) 2-Hexanone	9.482	43	188742	52.765	ug/l #	52
74) N-amyl acetate	10.640	43	74526	10.807	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	116286	27.186	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	116286	73.547	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
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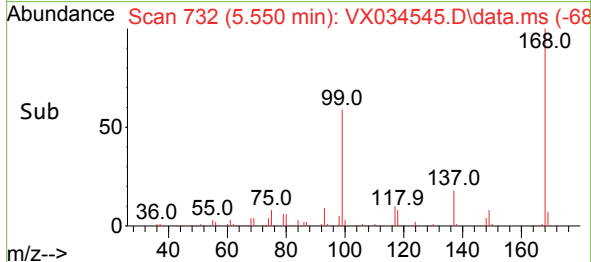
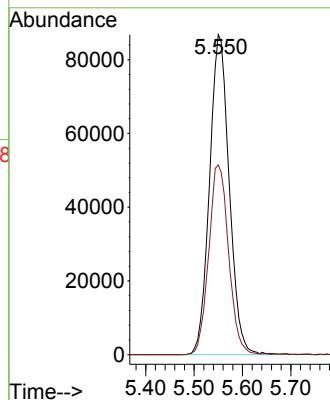
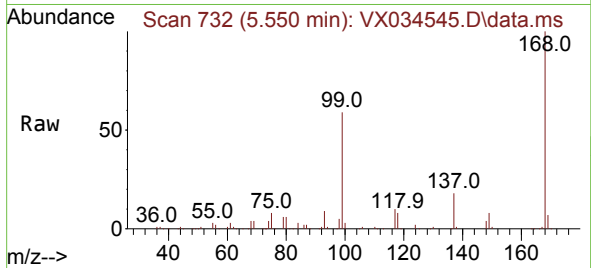




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

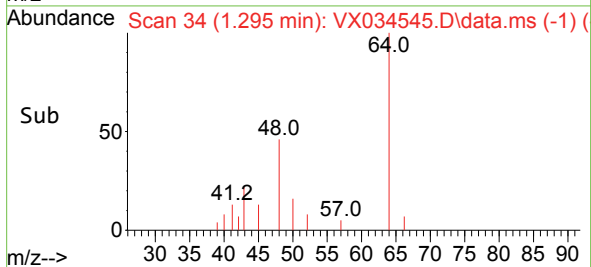
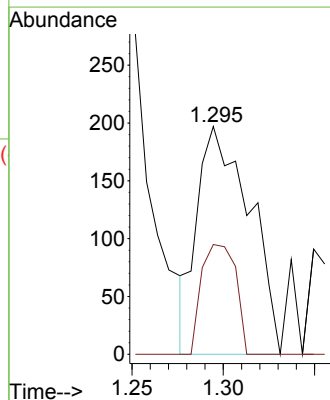
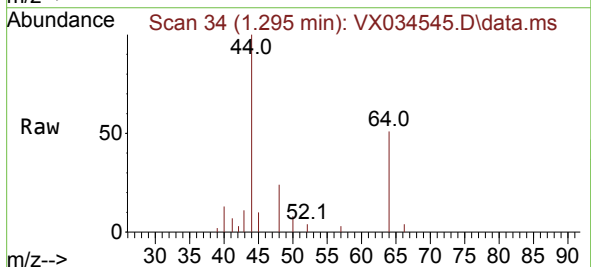
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#07

Tgt Ion:168 Resp: 245207
Ion Ratio Lower Upper
168 100
99 59.3 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 48.2 25.9 38.9#





#11

Tert butyl alcohol

Concen: 1.466 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

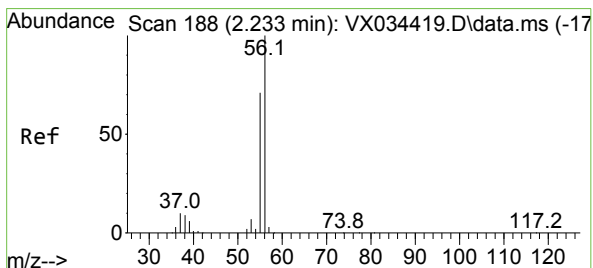
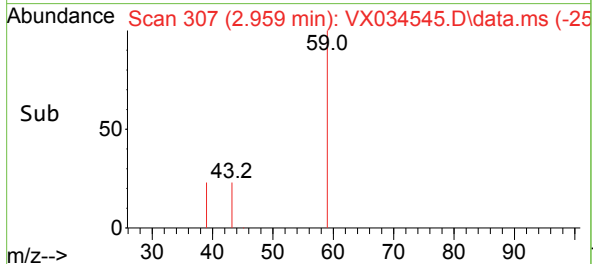
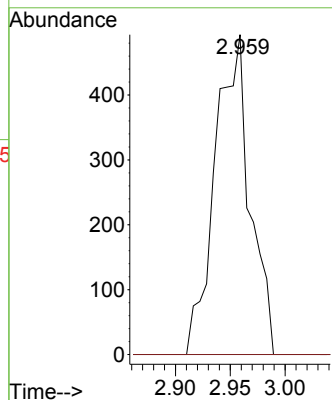
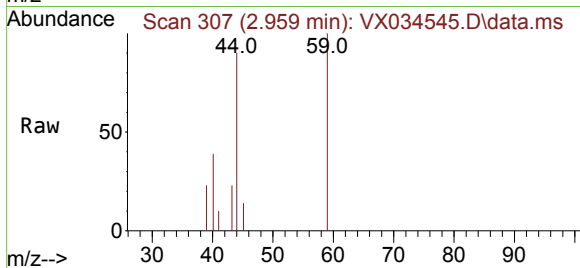
PB151426ZHE#07

Tgt Ion: 59 Resp: 1089

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.213 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX034545.D

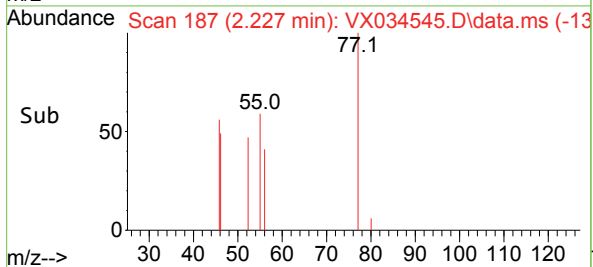
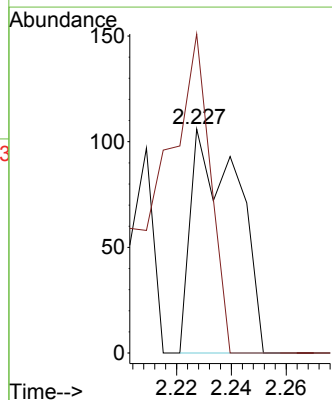
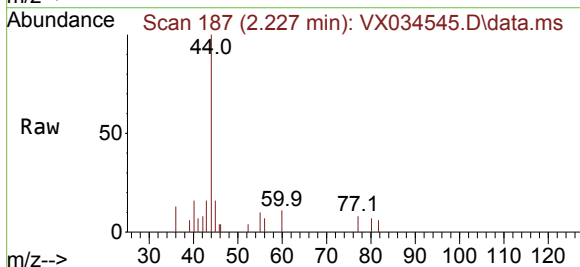
Acq: 16 Mar 2023 15:01

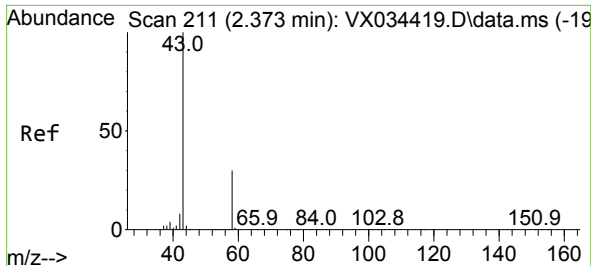
Tgt Ion: 56 Resp: 125

Ion Ratio Lower Upper

56 100

55 122.4 56.6 85.0#

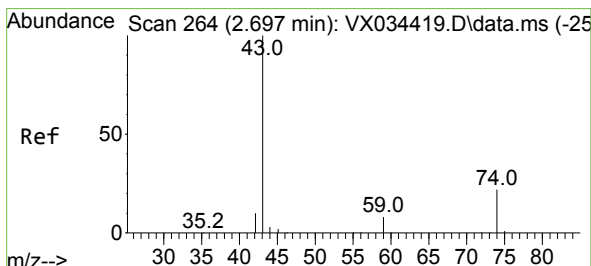
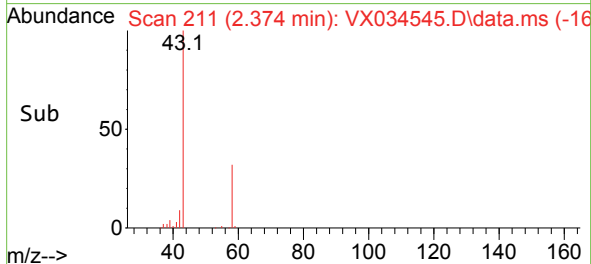
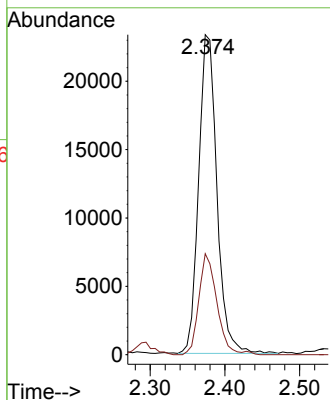
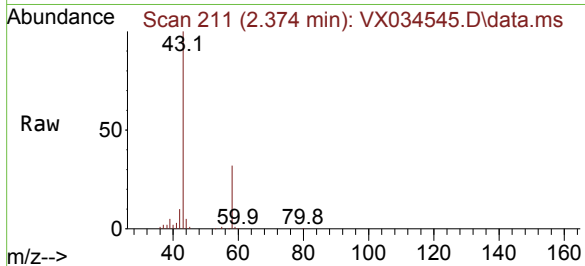




#16
Acetone
Concen: 23.558 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

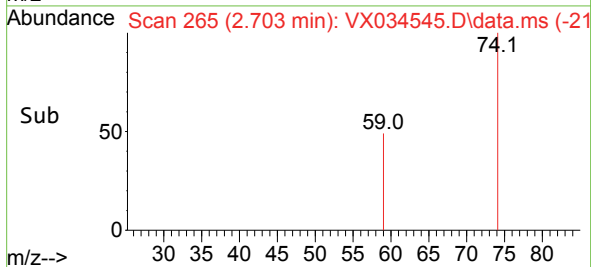
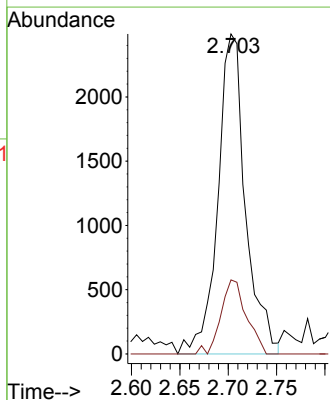
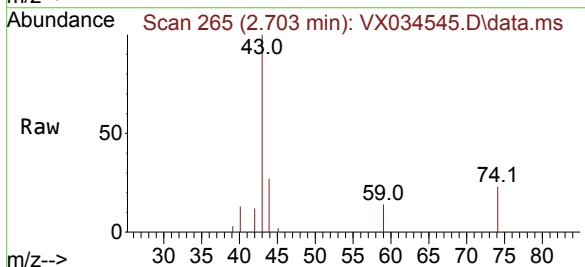
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#07

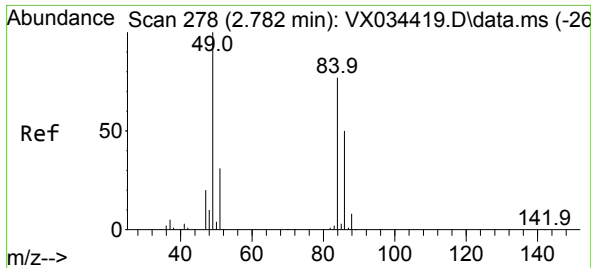
Tgt Ion: 43 Resp: 39586
Ion Ratio Lower Upper
43 100
58 31.7 24.7 37.1



#18
Methyl Acetate
Concen: 0.903 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

Tgt Ion: 43 Resp: 4960
Ion Ratio Lower Upper
43 100
74 21.2 18.3 27.5

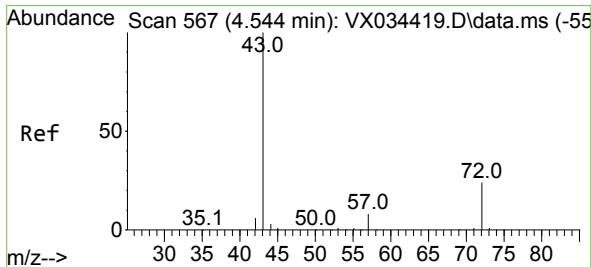
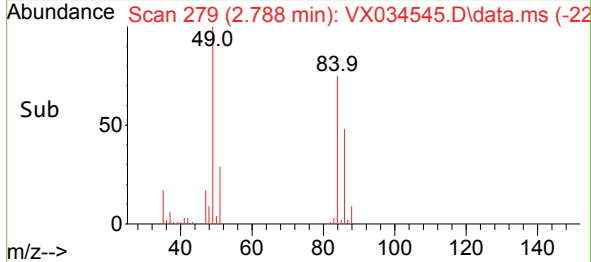
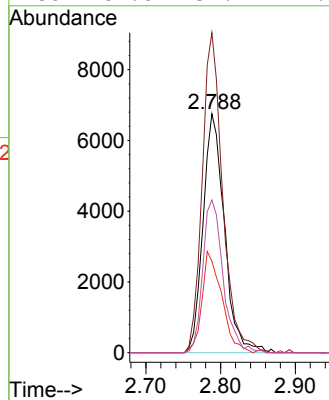
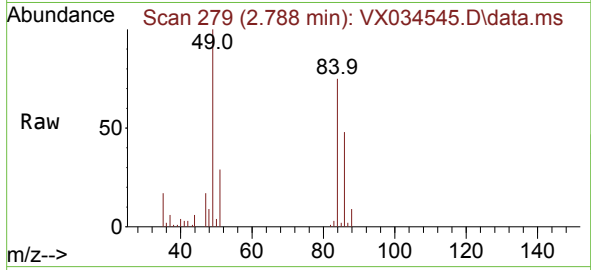




#20
Methylene Chloride
Concen: 4.110 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

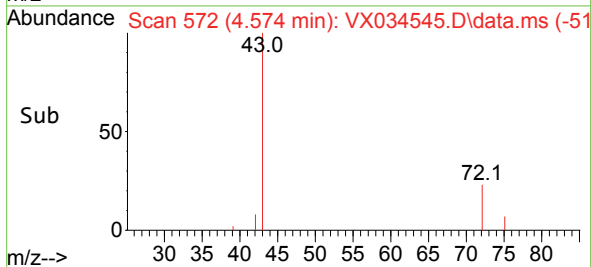
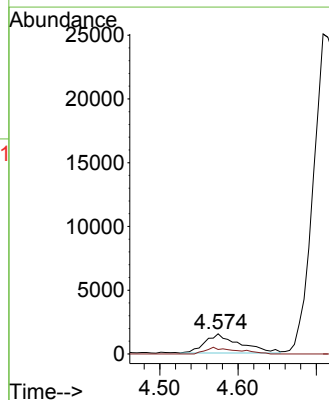
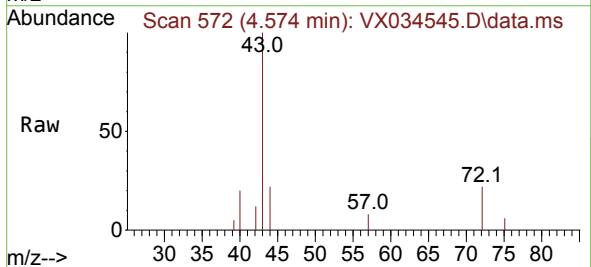
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#07

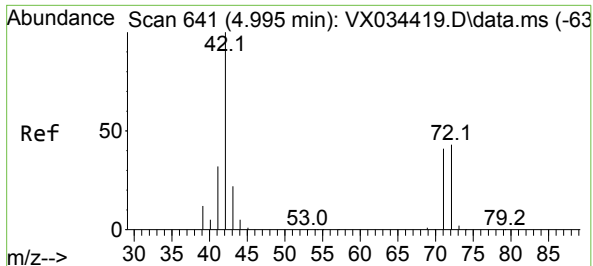
Tgt Ion:	84	Resp:	13405
Ion	Ratio	Lower	Upper
84	100		
49	134.0	103.8	155.8
51	38.2	31.8	47.8
86	64.0	51.4	77.2



#25
2-Butanone
Concen: 1.959 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

Tgt Ion:	43	Resp:	4710
Ion	Ratio	Lower	Upper
43	100		
72	22.9	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.826 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#07

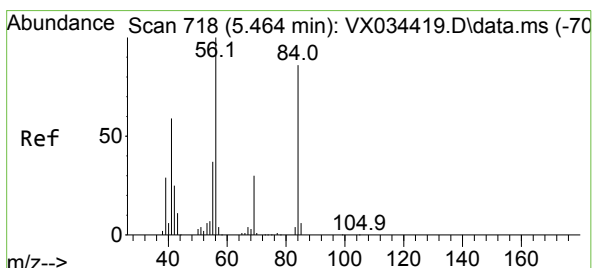
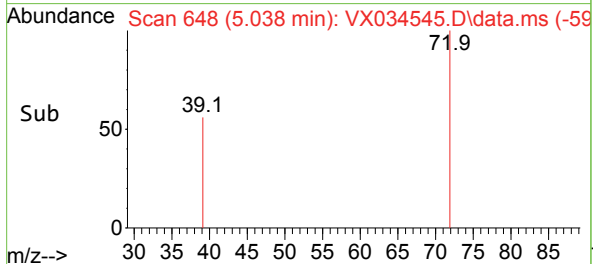
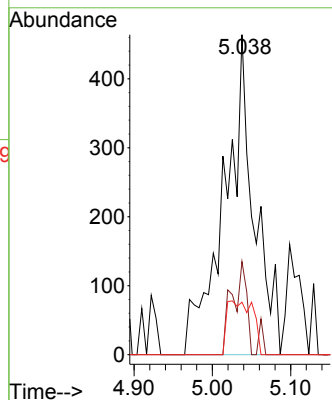
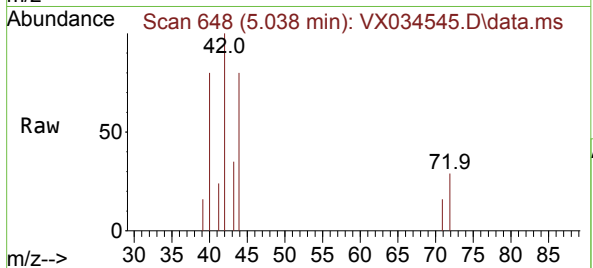
Tgt Ion: 42 Resp: 1225

Ion Ratio Lower Upper

42 100

72 14.0 34.5 51.7#

71 14.6 32.1 48.1#



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

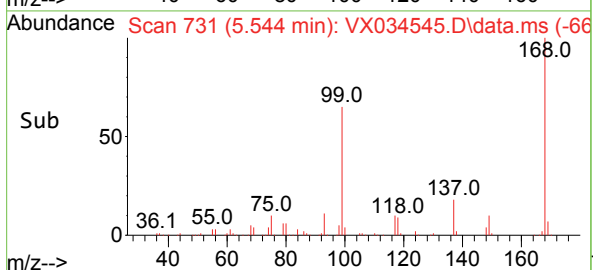
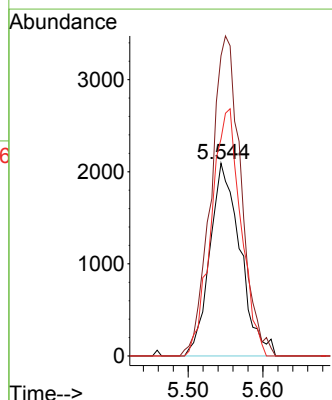
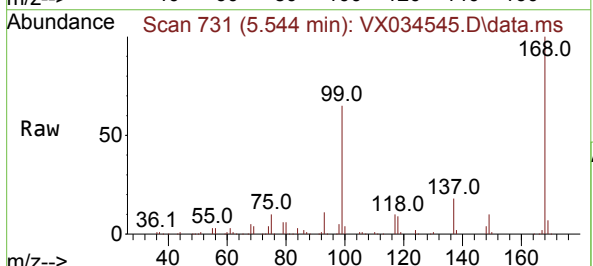
Tgt Ion: 56 Resp: 5904

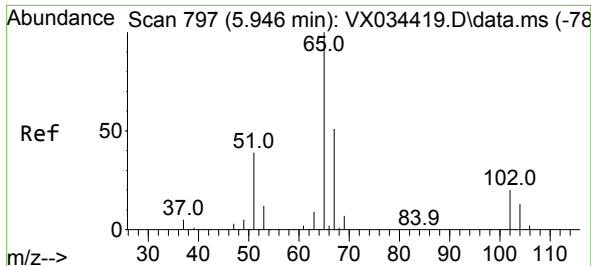
Ion Ratio Lower Upper

56 100

69 155.9 23.7 35.5#

84 112.6 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.725 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

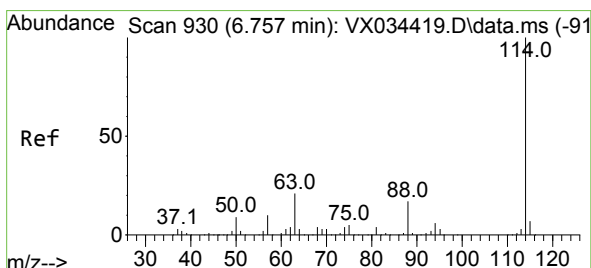
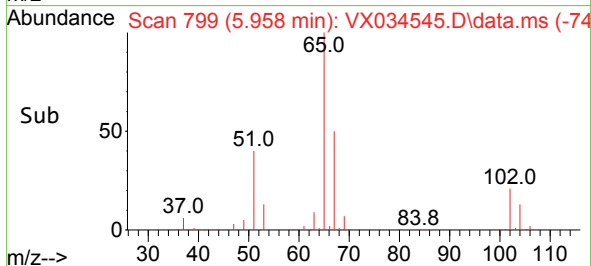
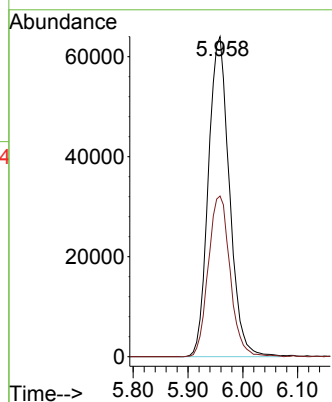
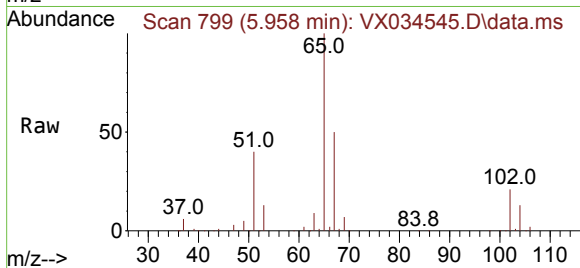
PB151426ZHE#07

Tgt Ion: 65 Resp: 170248

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

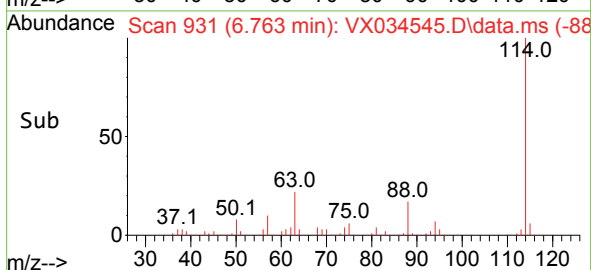
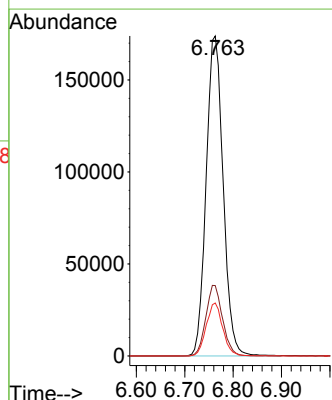
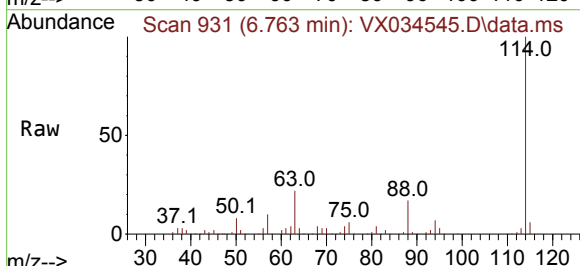
Tgt Ion: 114 Resp: 425011

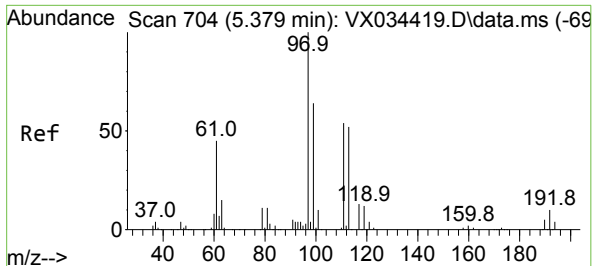
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 16.6 0.0 33.2

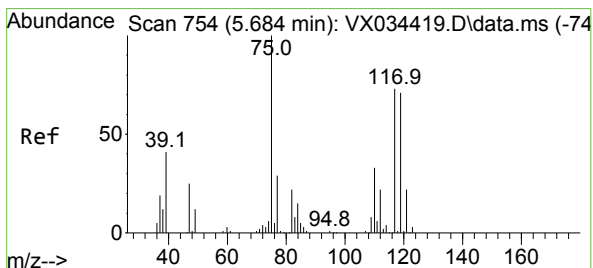
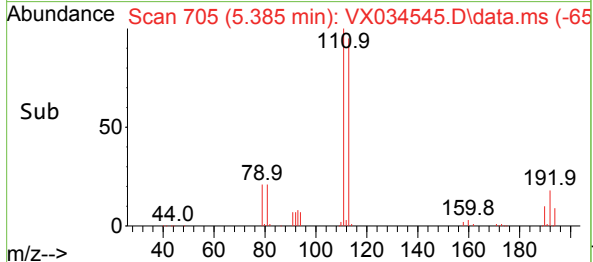
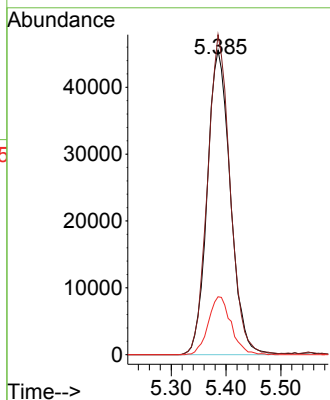
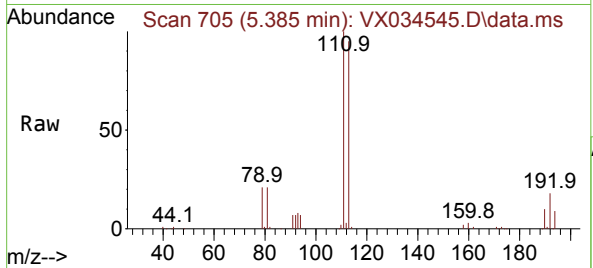




#35
Dibromofluoromethane
Concen: 47.452 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

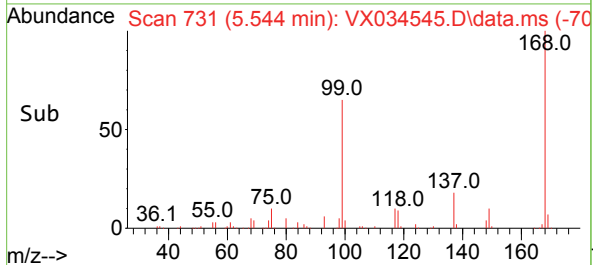
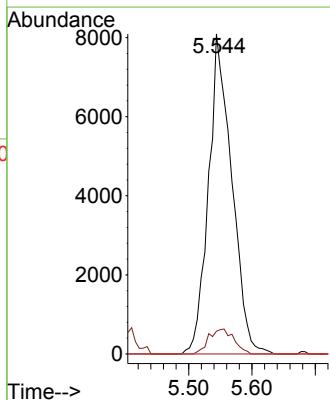
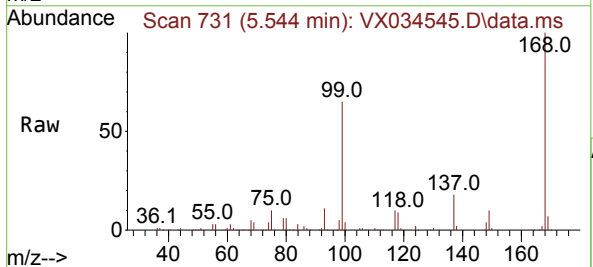
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#07

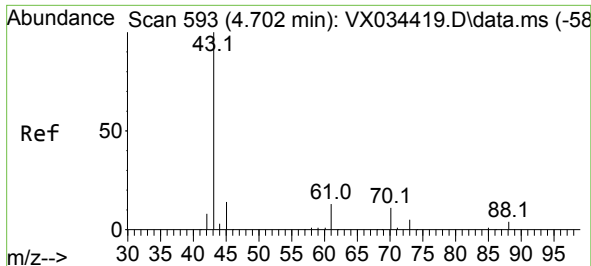
Tgt Ion:113 Resp: 133156
Ion Ratio Lower Upper
113 100
111 102.7 83.7 125.5
192 18.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.806 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

Tgt Ion: 75 Resp: 20715
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 15.631 ug/l

RT: 4.709 min Scan# 593

Delta R.T. 0.006 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

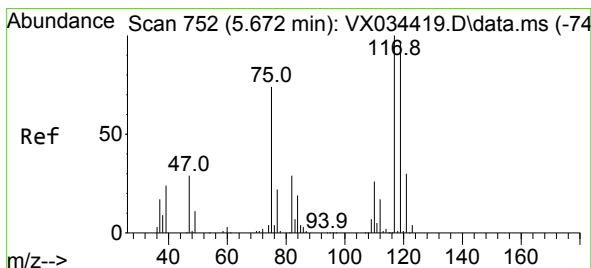
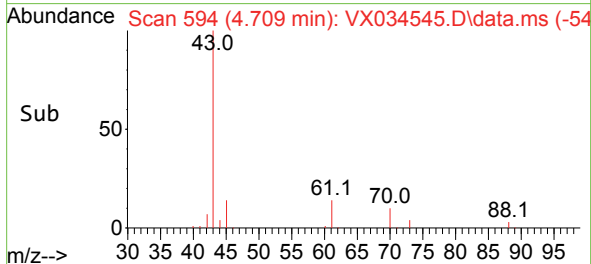
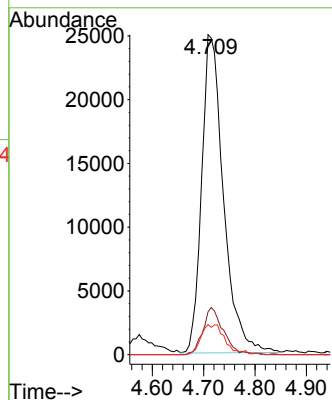
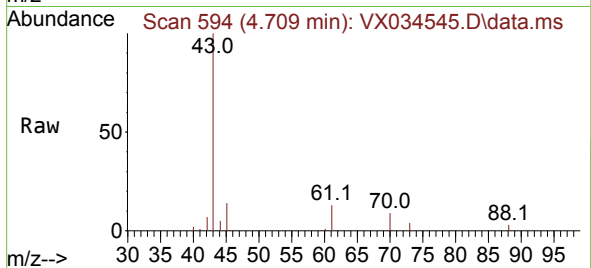
Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#07

Tgt Ion:	43	Resp:	73600
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.4
70	10.3	8.2	12.4



#38

Carbon Tetrachloride

Concen: 5.798 ug/l

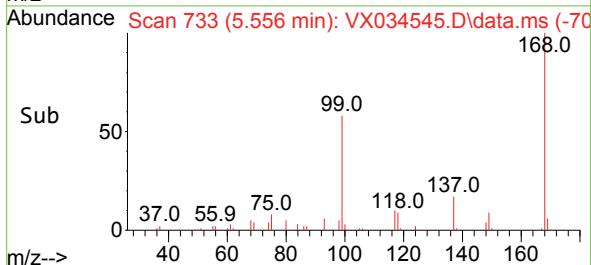
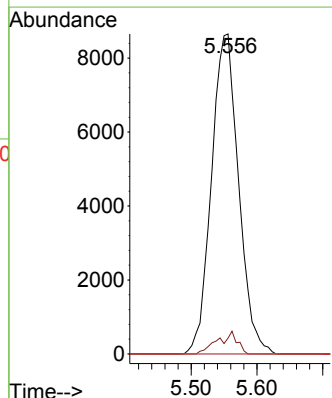
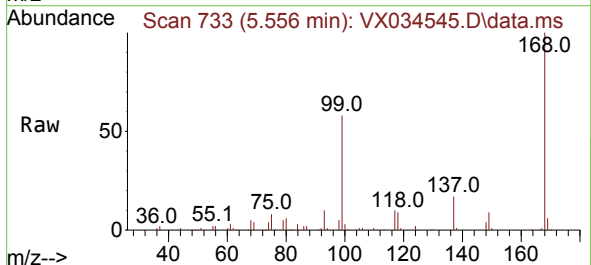
RT: 5.556 min Scan# 733

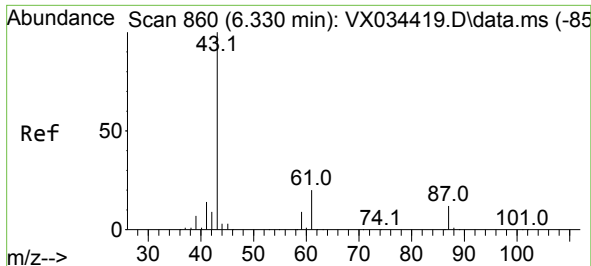
Delta R.T. -0.116 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

Tgt Ion:	117	Resp:	24859
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.6	114.8#
121	0.0	23.8	35.6#

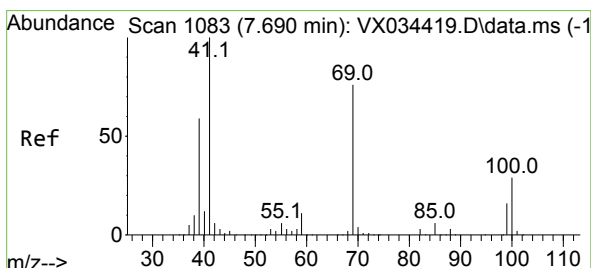
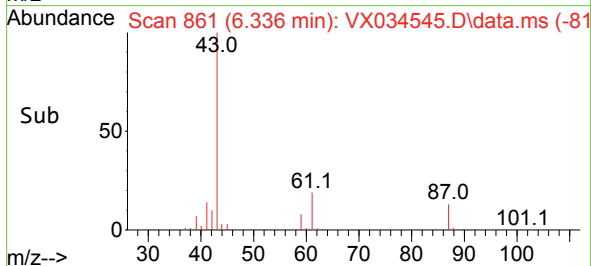
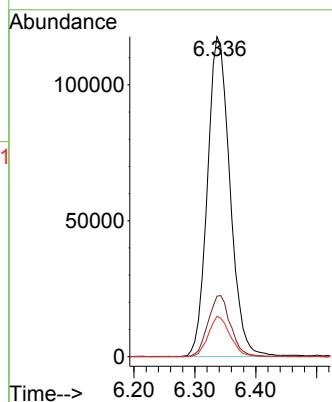
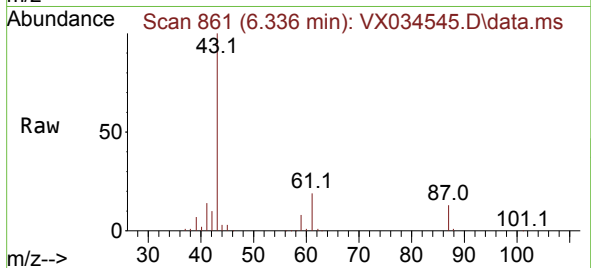




#43
Isopropyl Acetate
Concen: 37.866 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

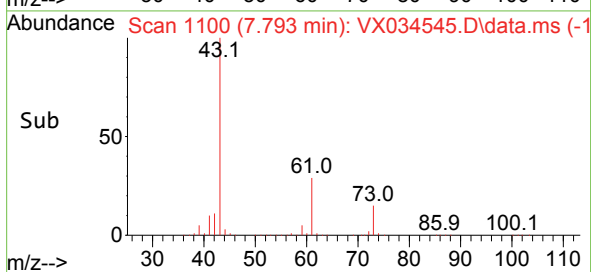
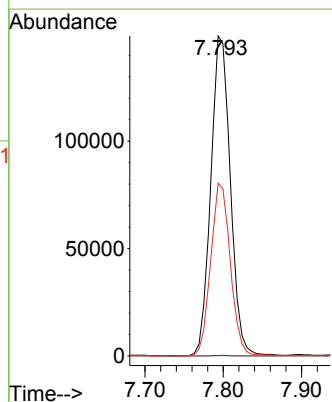
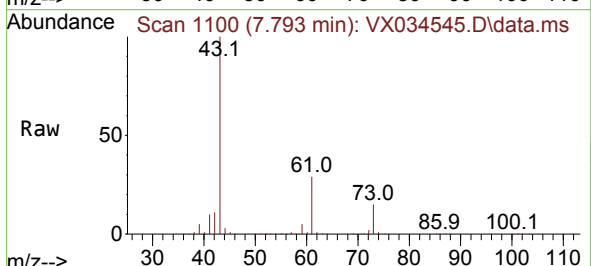
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#07

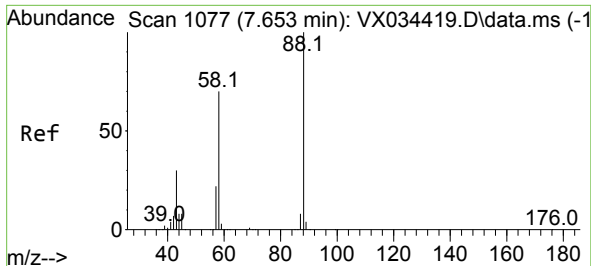
Tgt Ion: 43 Resp: 302043
Ion Ratio Lower Upper
43 100
61 19.1 15.2 22.8
87 12.2 9.8 14.8



#48
Methyl methacrylate
Concen: 67.362 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

Tgt Ion: 41 Resp: 258424
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 54.3 47.7 71.5





#49

1,4-Dioxane

Concen: 0.285 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#07

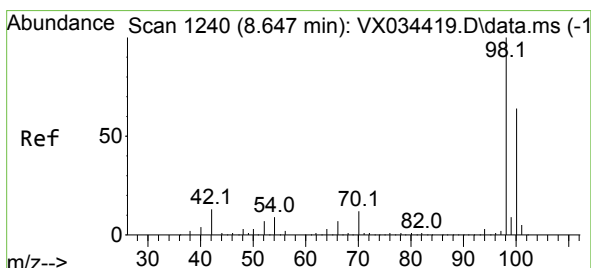
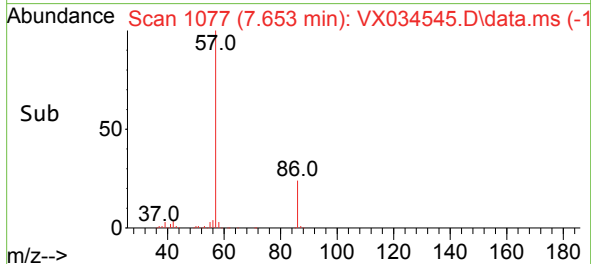
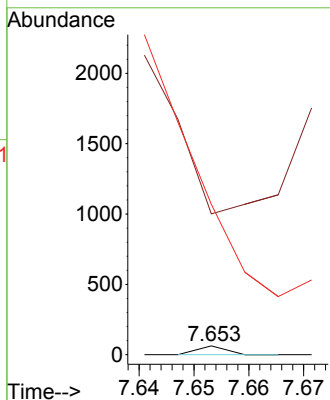
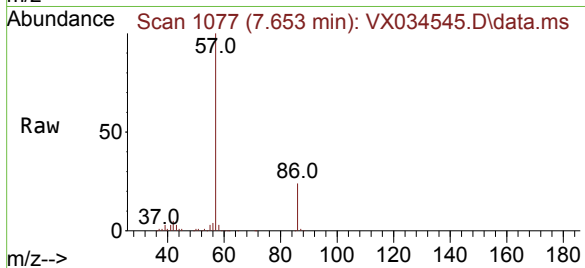
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 49.697 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034545.D

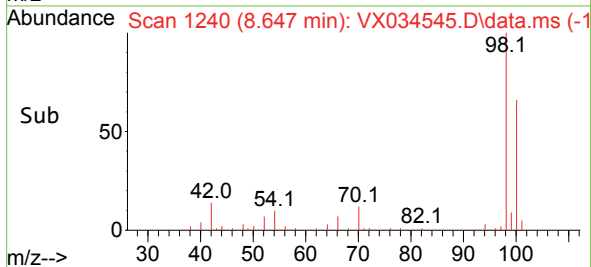
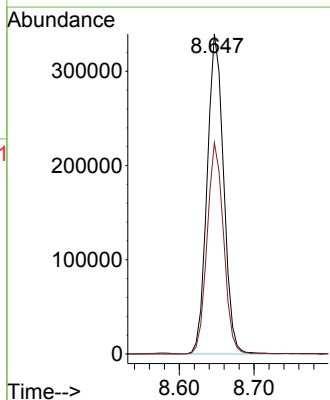
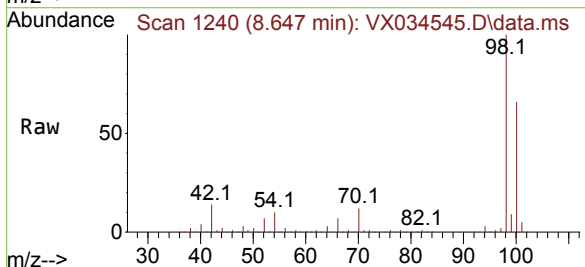
Acq: 16 Mar 2023 15:01

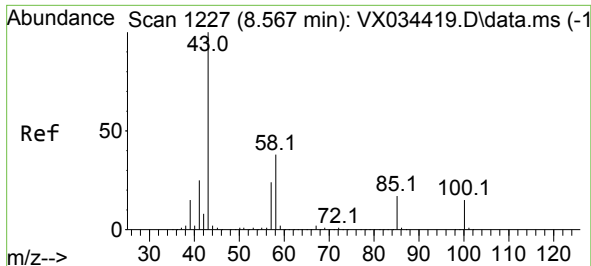
Tgt Ion: 98 Resp: 520598

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7

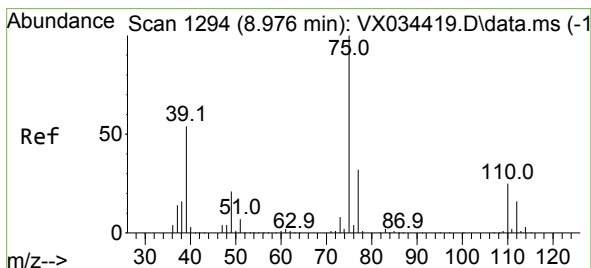
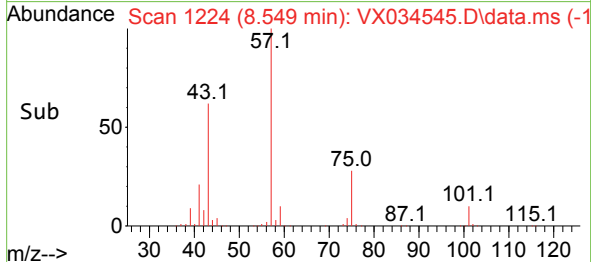
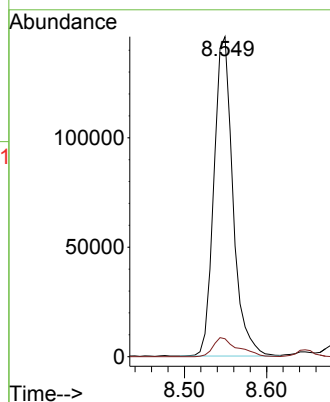
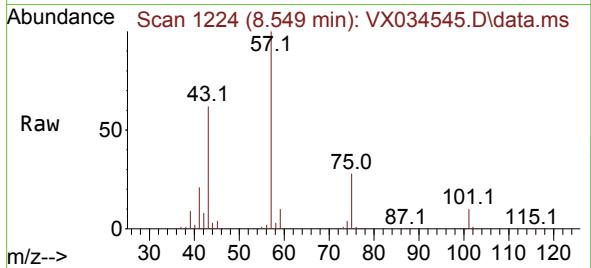




#51
4-Methyl-2-Pentanone
Concen: 50.603 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

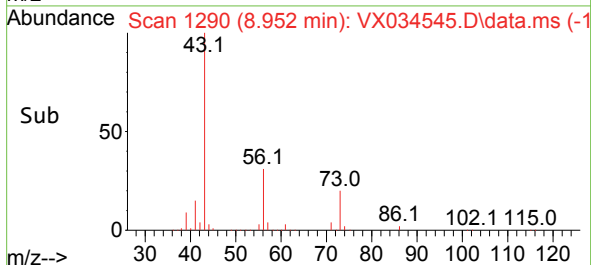
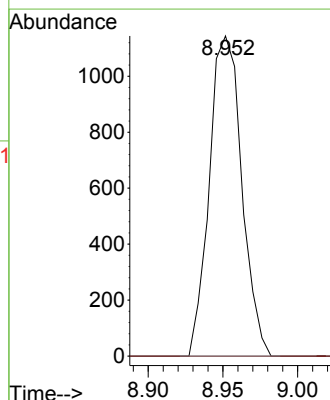
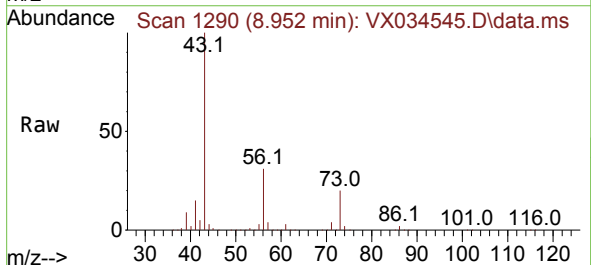
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#07

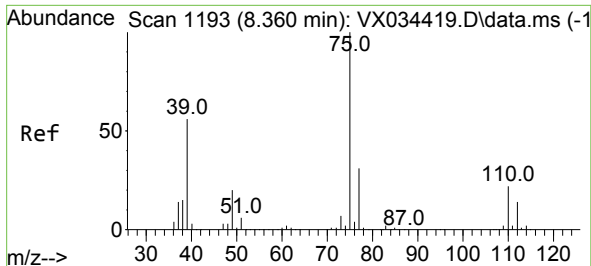
Tgt Ion: 43 Resp: 234157
Ion Ratio Lower Upper
43 100
58 7.7 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.354 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

Tgt Ion: 75 Resp: 1726
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

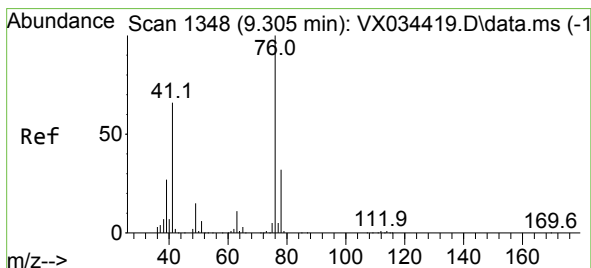
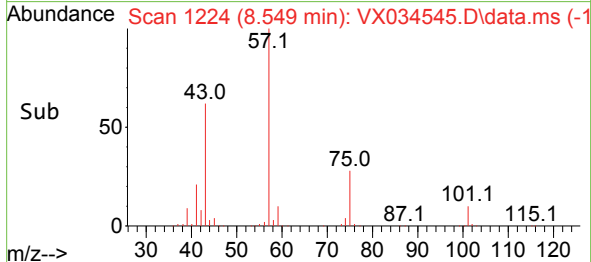
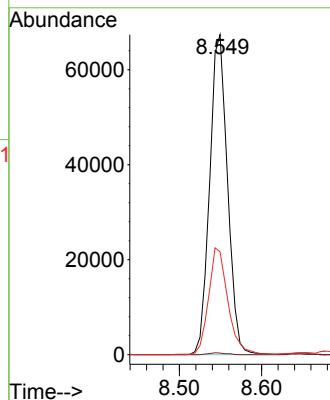
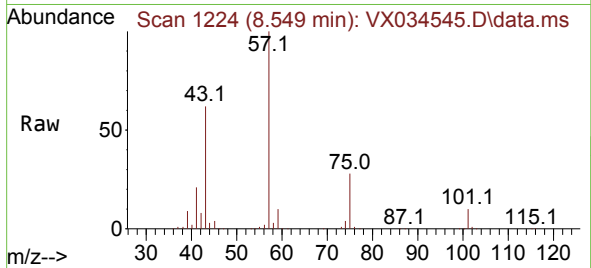




#54
 cis-1,3-Dichloropropene
 Concen: 19.227 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034545.D
 Acq: 16 Mar 2023 15:01

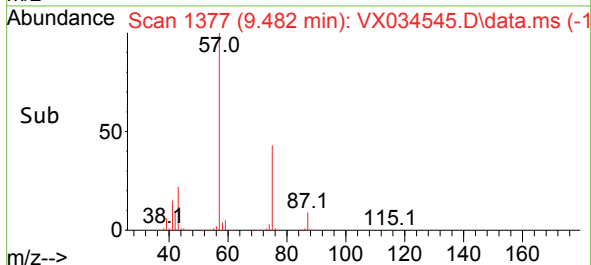
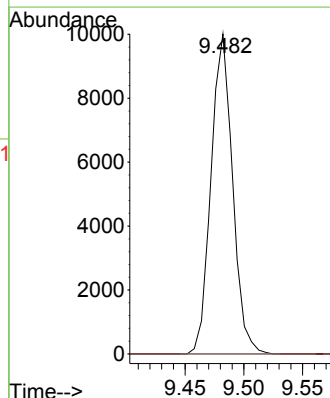
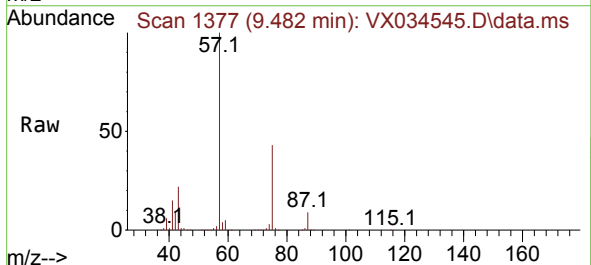
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#07

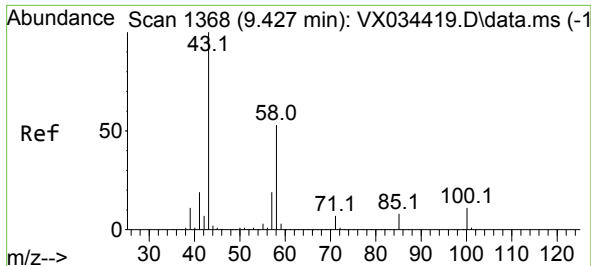
Tgt Ion: 75 Resp: 101516
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 32.0 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.318 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034545.D
 Acq: 16 Mar 2023 15:01

Tgt Ion: 76 Resp: 12760
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 52.765 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

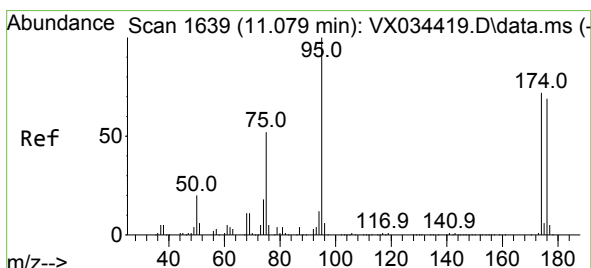
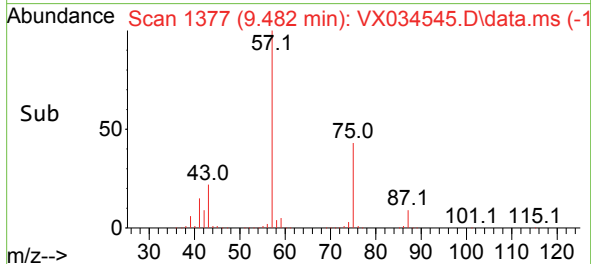
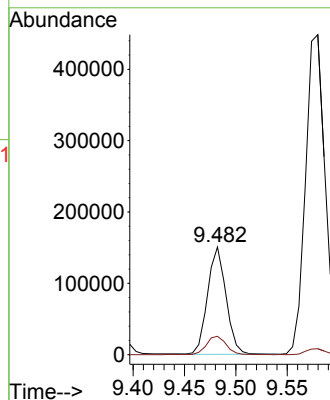
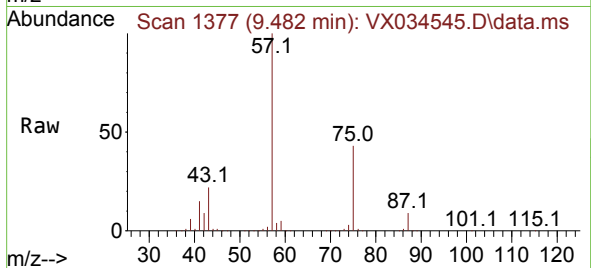
PB151426ZHE#07

Tgt Ion: 43 Resp: 188742

Ion Ratio Lower Upper

43 100

58 18.6 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 50.685 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034545.D

Acq: 16 Mar 2023 15:01

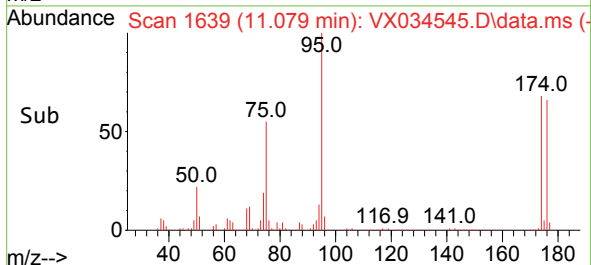
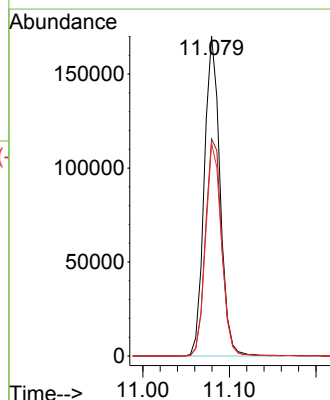
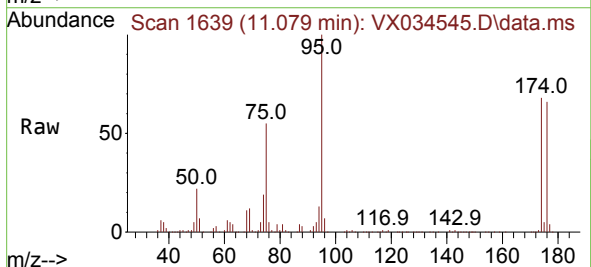
Tgt Ion: 95 Resp: 214461

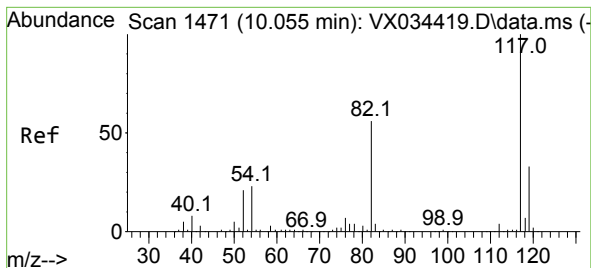
Ion Ratio Lower Upper

95 100

174 70.6 0.0 147.4

176 67.2 0.0 140.6

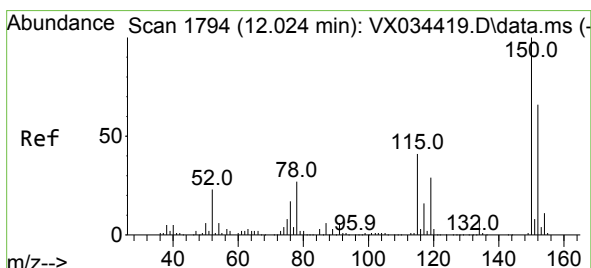
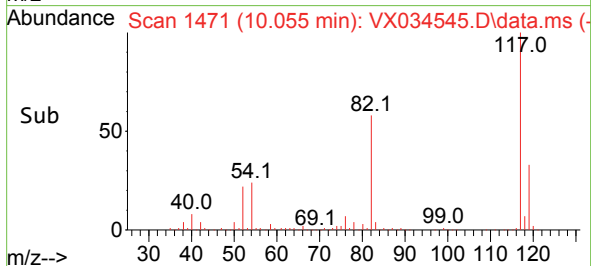
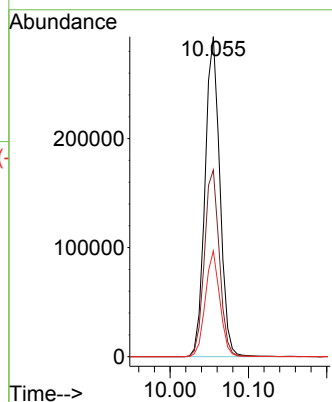
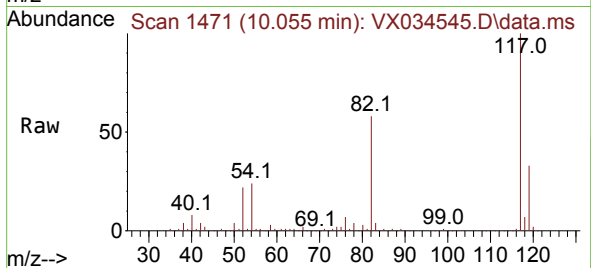




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

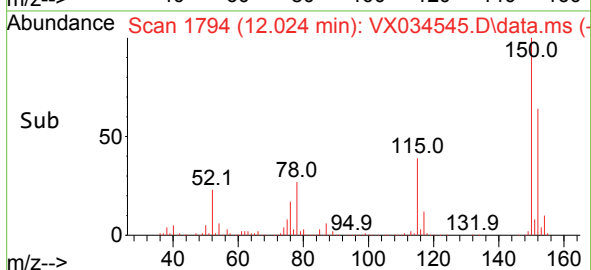
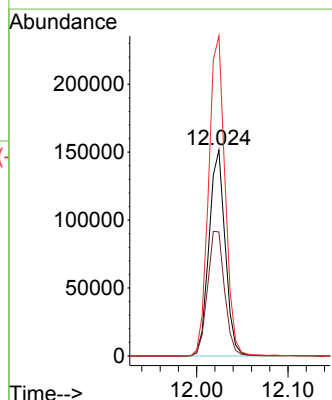
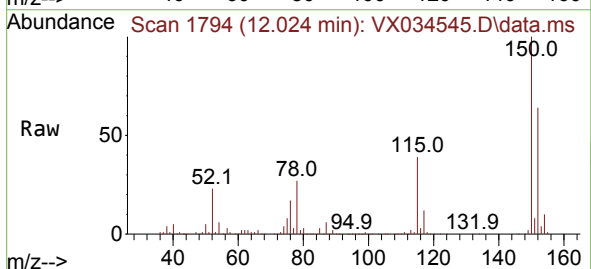
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#07

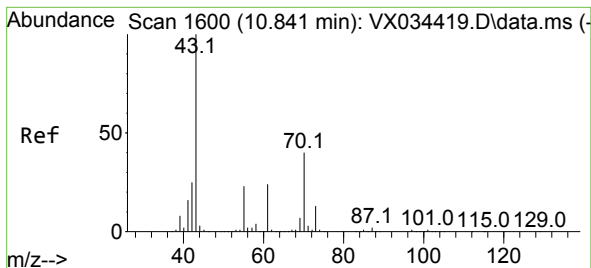
Tgt Ion:117 Resp: 384863
Ion Ratio Lower Upper
117 100
82 58.3 45.0 67.4
119 33.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034545.D
Acq: 16 Mar 2023 15:01

Tgt Ion:152 Resp: 186287
Ion Ratio Lower Upper
152 100
115 63.7 45.0 135.0
150 158.0 0.0 352.4





#74

N-amy1 acetate

Concen: 10.807 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034545.D

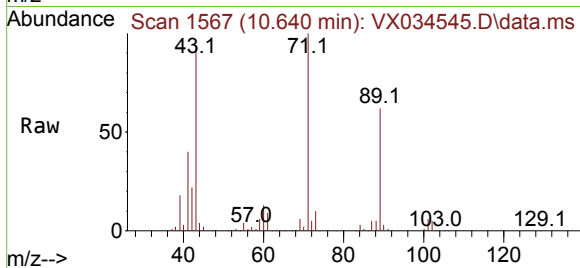
Acq: 16 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#07



Tgt Ion: 43 Resp: 74526

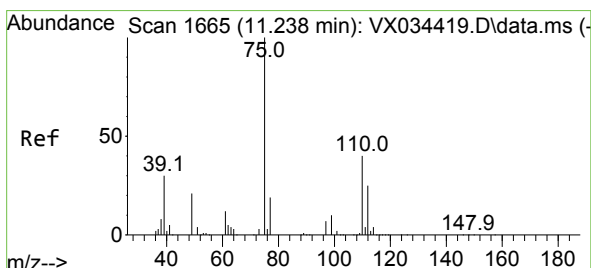
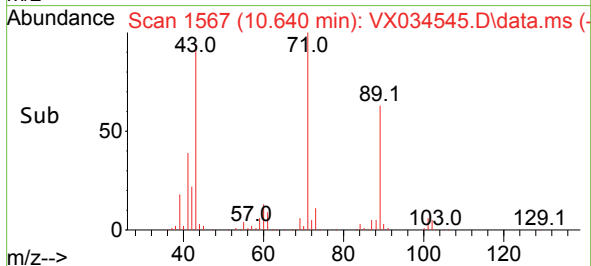
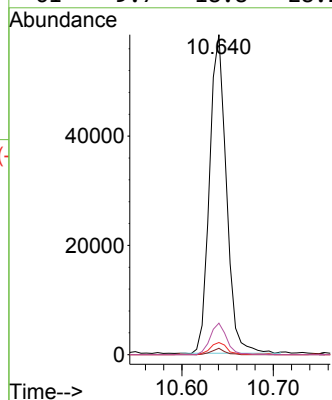
Ion Ratio Lower Upper

43 100

70 1.6 32.1 48.1#

55 3.9 18.3 27.5#

61 9.7 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.186 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034545.D

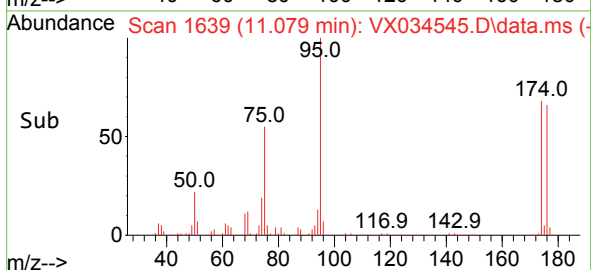
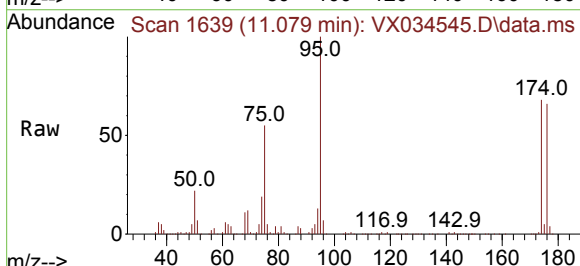
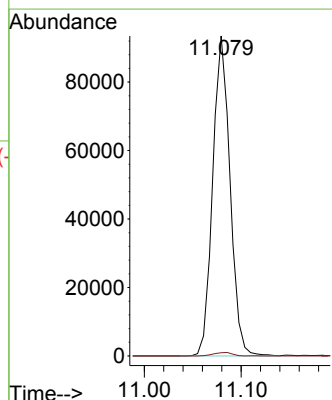
Acq: 16 Mar 2023 15:01

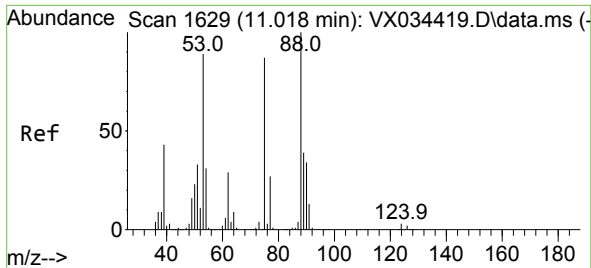
Tgt Ion: 75 Resp: 116286

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.547 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX034545.D
 Acq: 16 Mar 2023 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#07

Tgt Ion: 75 Resp: 116286
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

