

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032248.D
 Acq On : 20 Oct 2022 07:37
 Operator : JC/MD
 Sample : PB148361ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#14

Quant Time: Oct 20 13:14:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

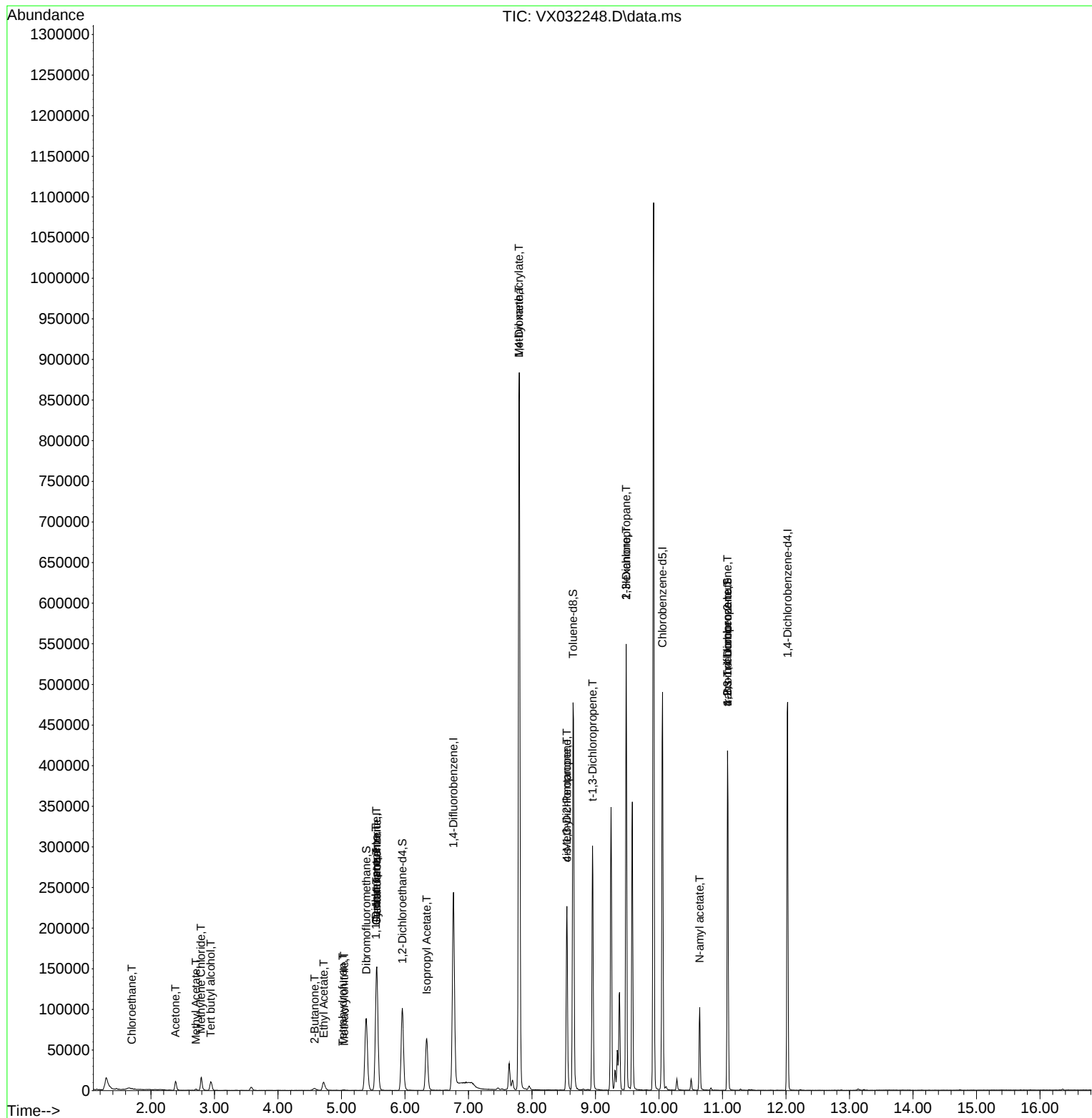
Internal Standards						
1) Pentafluorobenzene	5.556	168	141878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234474	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	101299	54.884	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.760%			
35) Dibromofluoromethane	5.391	113	76402	46.826	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.660%			
50) Toluene-d8	8.647	98	282330	48.070	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.140%			
62) 4-Bromofluorobenzene	11.079	95	104294	48.492	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.980%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	923	Below Cal	#	44
6) Chloroethane	1.697	64	89	2.014	ug/l #	41
11) Tert butyl alcohol	2.941	59	6610	2.573	ug/l #	74
16) Acetone	2.386	43	14292	23.861	ug/l	92
18) Methyl Acetate	2.709	43	2000	0.984	ug/l #	85
20) Methylene Chloride	2.788	84	7751	5.040	ug/l #	93
25) 2-Butanone	4.574	43	1949	2.084	ug/l #	48
29) Tetrahydrofuran	5.019	42	580	0.960	ug/l #	38
31) Cyclohexane	5.550	56	3195	1.514	ug/l #	27
36) 1,1-Dichloropropene	5.544	75	11479	5.469	ug/l #	49
37) Ethyl Acetate	4.721	43	18776	9.137	ug/l	98
38) Carbon Tetrachloride	5.550	117	15089	6.810	ug/l #	15
41) Methacrylonitrile	5.044	41	336	0.310	ug/l #	39
43) Isopropyl Acetate	6.342	43	88486	27.434	ug/l	99
48) Methyl methacrylate	7.793	41	80755	50.204	ug/l #	43
49) 1,4-Dioxane	7.793	88	21	0.651	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	78487	38.820	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	602	2.062	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34665	14.714	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	4297	1.657	ug/l #	42
59) 2-Hexanone	9.482	43	63993	42.419	ug/l #	50
74) N-amyl acetate	10.640	43	25465	9.937	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	56467	29.314	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	56467	89.769	ug/l #	6

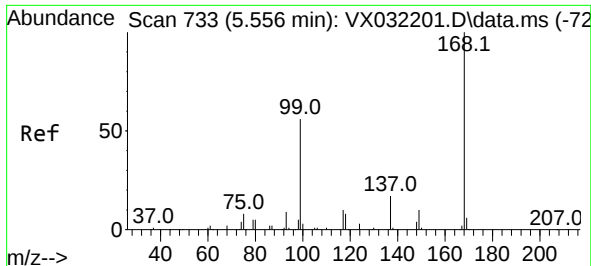
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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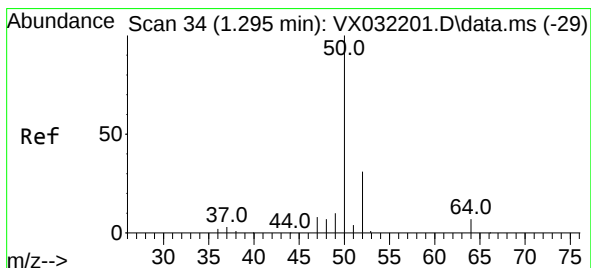
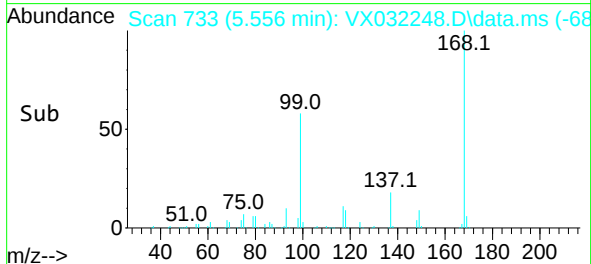
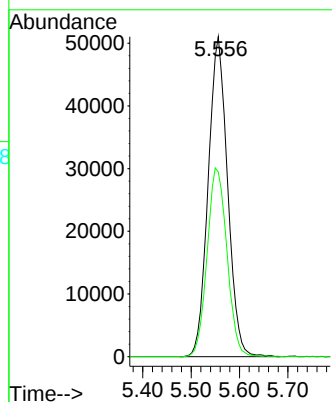
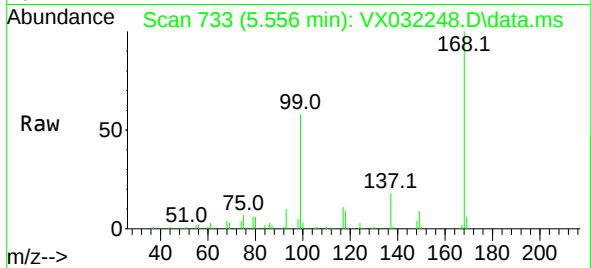




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

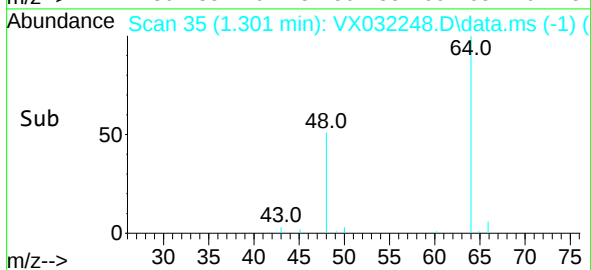
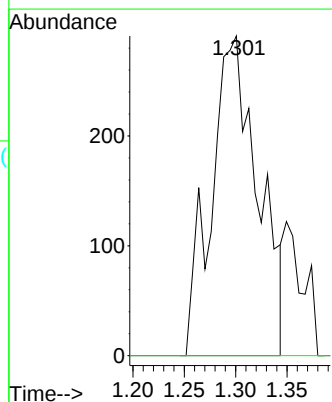
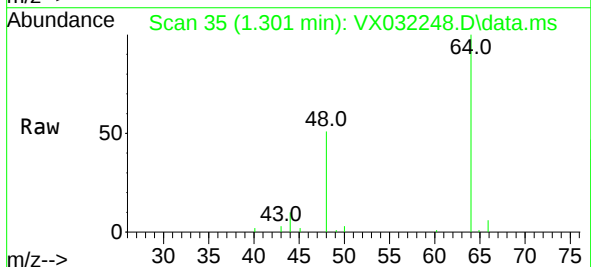
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

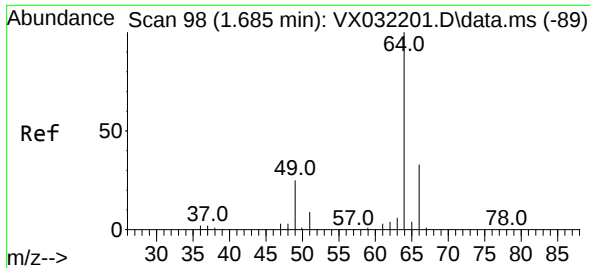
Tgt Ion:168 Resp: 141878
Ion Ratio Lower Upper
168 100
99 57.7 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 50 Resp: 923
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

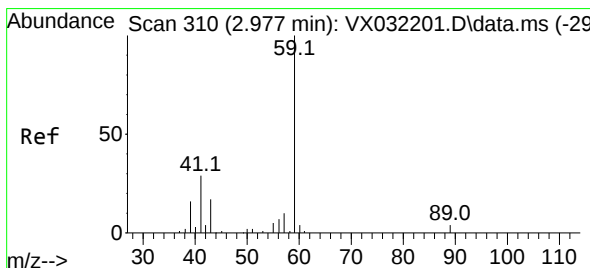
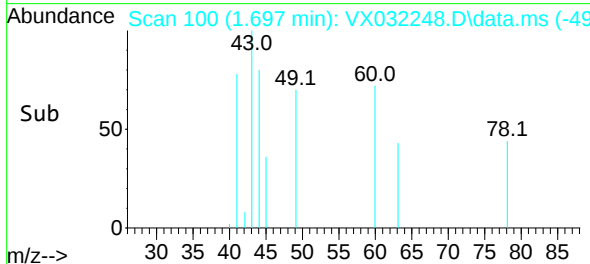
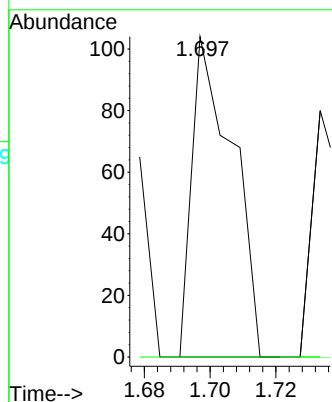
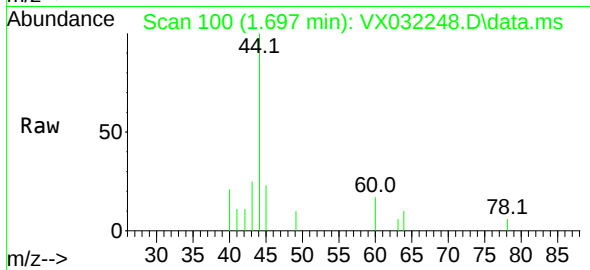




#6
Chloroethane
Concen: 2.014 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

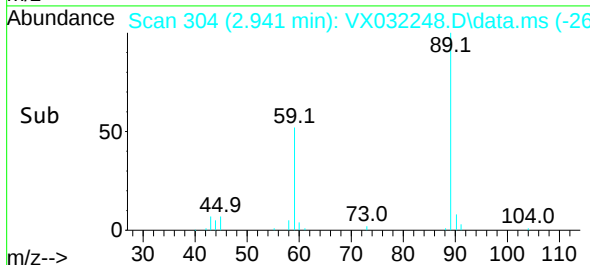
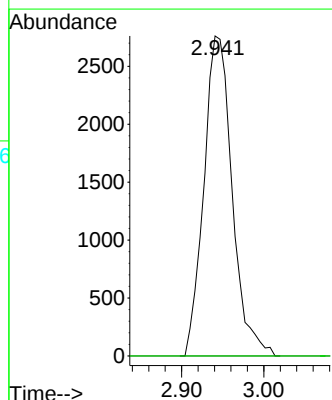
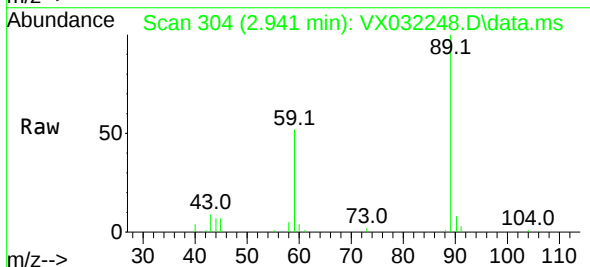
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

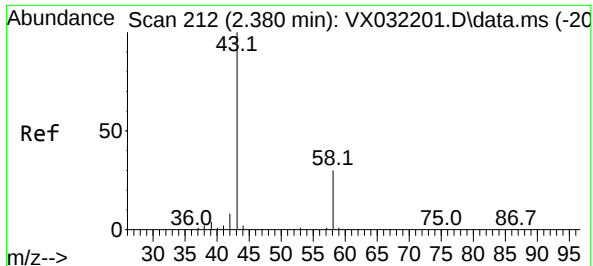
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 2.573 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 59 Resp: 6610
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

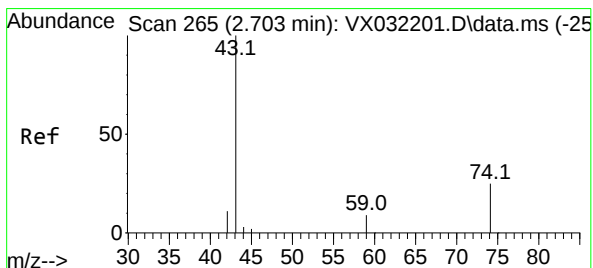
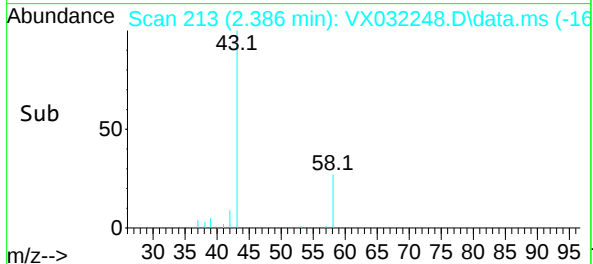
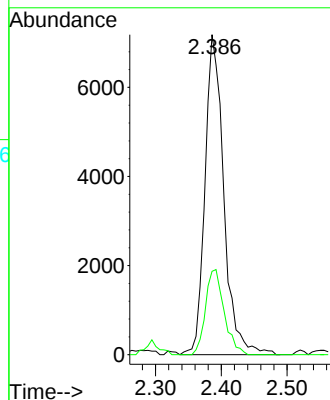
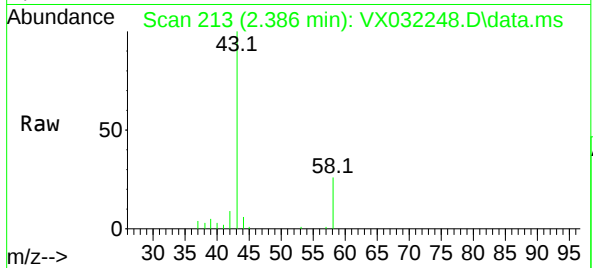




#16
Acetone
Concen: 23.861 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

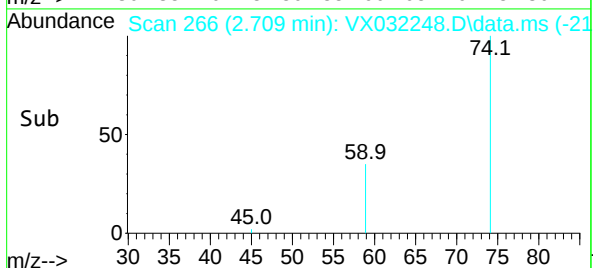
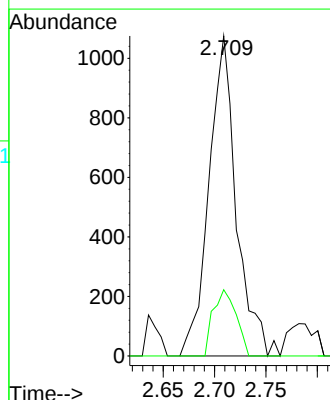
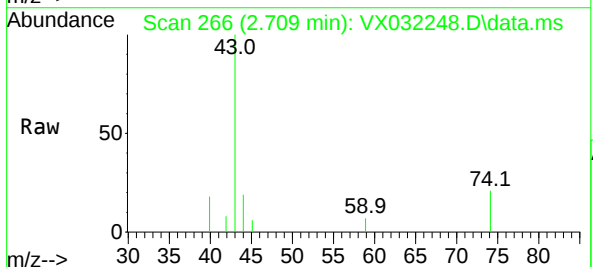
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

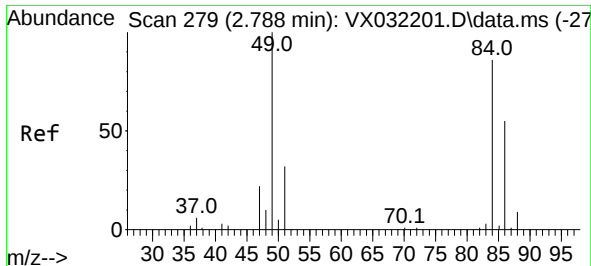
Tgt Ion: 43 Resp: 14292
Ion Ratio Lower Upper
43 100
58 26.0 24.2 36.2



#18
Methyl Acetate
Concen: 0.984 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
74 17.3 19.8 29.8#





#20

Methylene Chloride

Concen: 5.040 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX032248.D

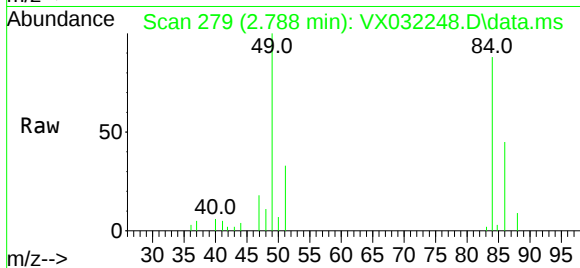
Acq: 20 Oct 2022 07:37

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#14



Tgt Ion: 84 Resp: 7751

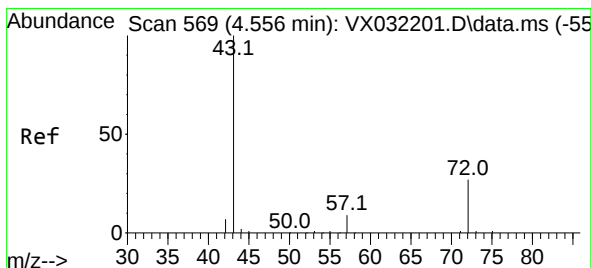
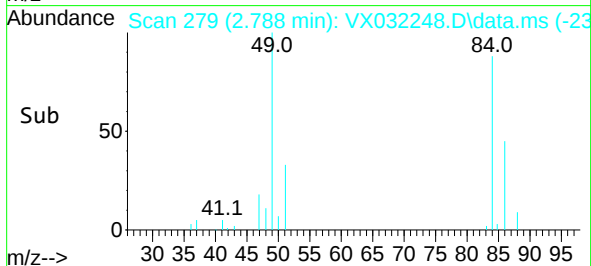
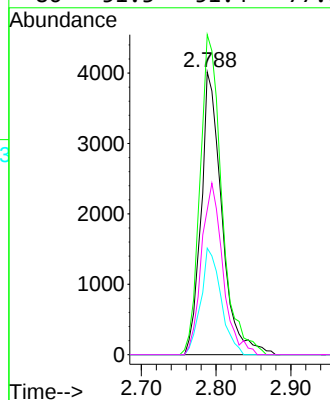
Ion Ratio Lower Upper

84 100

49 113.2 92.6 139.0

51 37.7 29.2 43.8

86 51.3 51.4 77.0#



#25

2-Butanone

Concen: 2.084 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX032248.D

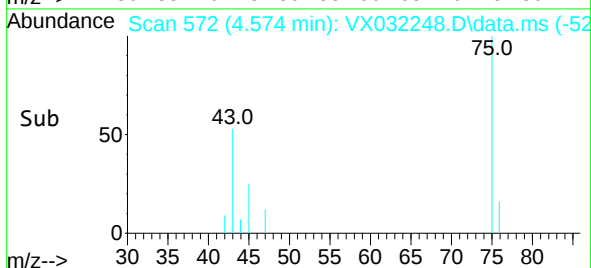
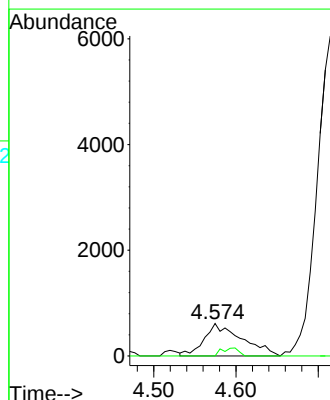
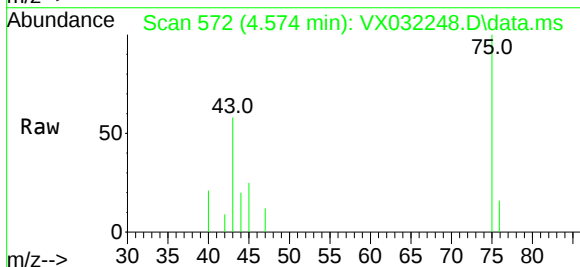
Acq: 20 Oct 2022 07:37

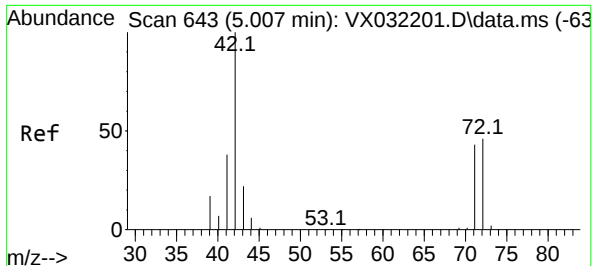
Tgt Ion: 43 Resp: 1949

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.960 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

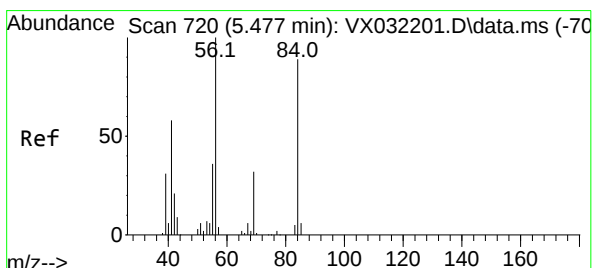
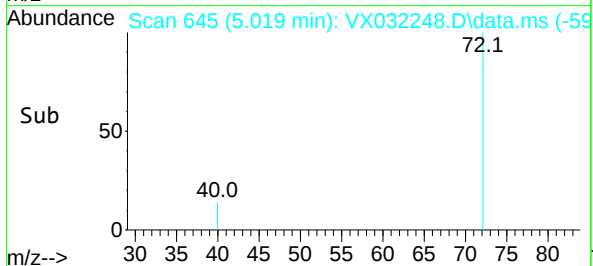
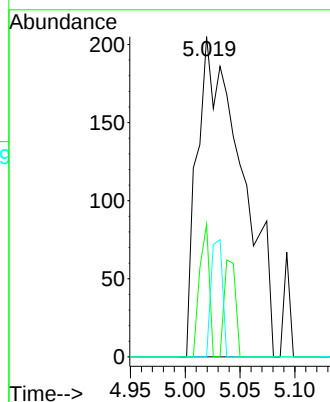
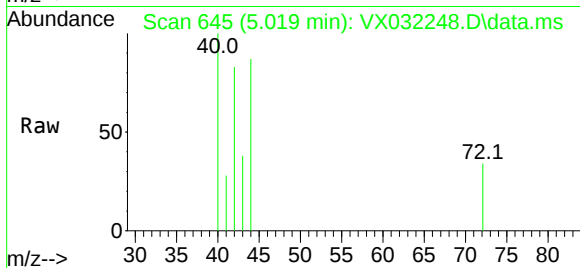
Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#14

Tgt Ion:	42	Resp:	580
Ion	Ratio	Lower	Upper
42	100		
72	9.0	37.5	56.3#
71	0.0	34.7	52.1#



#31

Cyclohexane

Concen: 1.514 ug/l

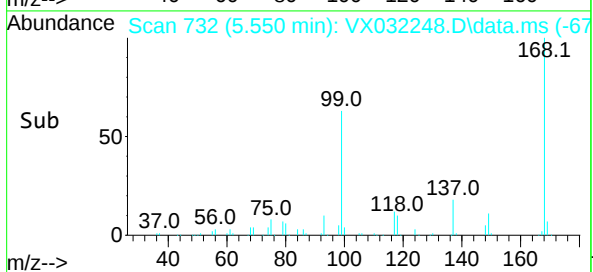
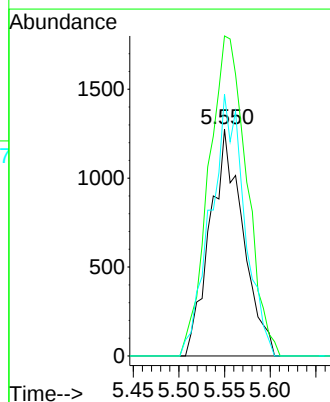
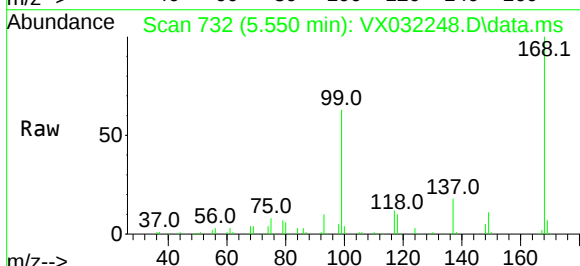
RT: 5.550 min Scan# 732

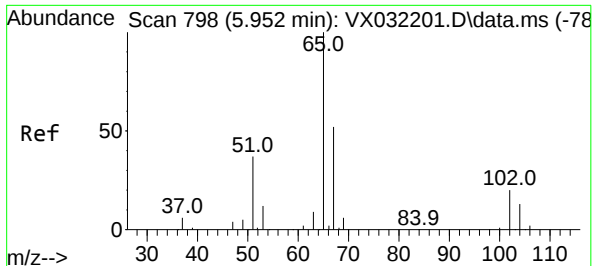
Delta R.T. 0.073 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

Tgt Ion:	56	Resp:	3195
Ion	Ratio	Lower	Upper
56	100		
69	141.2	25.4	38.0#
84	115.5	71.2	106.8#





#33

1,2-Dichloroethane-d4

Concen: 54.884 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

Instrument :

MSVOA_X

ClientSampleId :

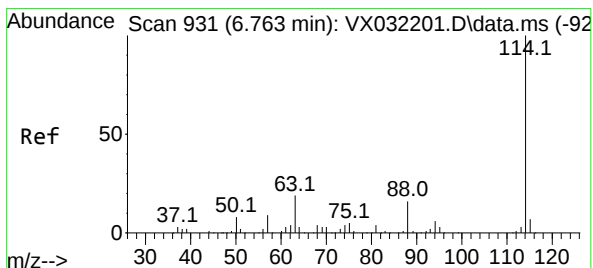
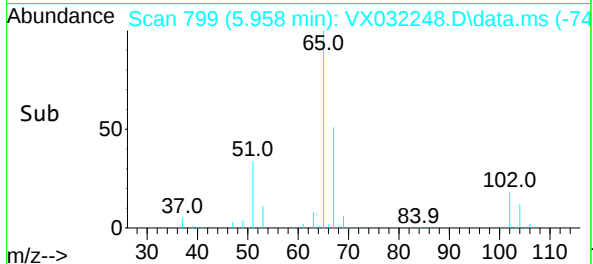
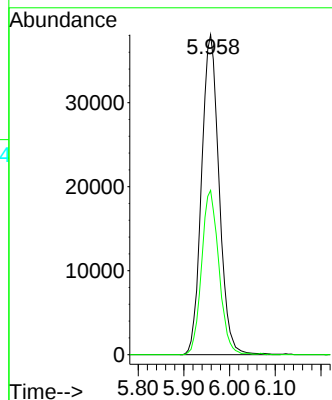
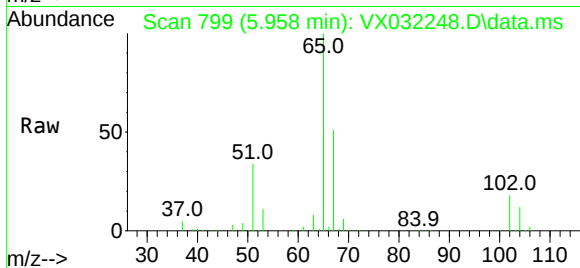
PB148361ZHE#14

Tgt Ion: 65 Resp: 101299

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

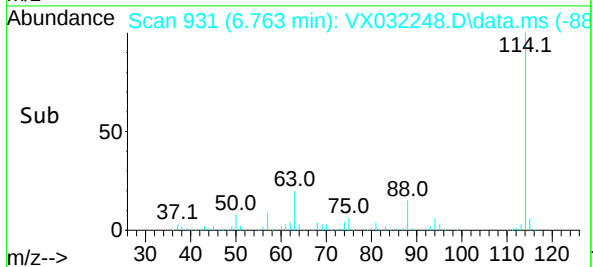
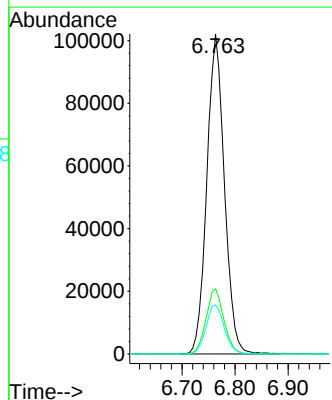
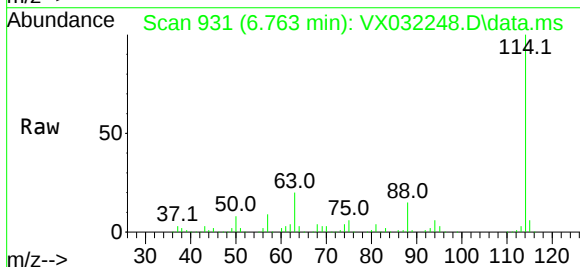
Tgt Ion: 114 Resp: 234474

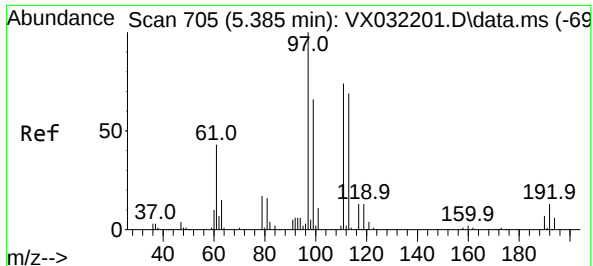
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.6

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.826 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032248.D

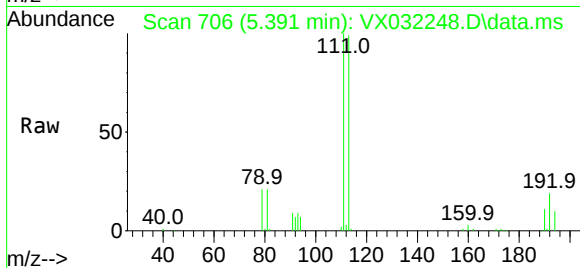
Acq: 20 Oct 2022 07:37

Instrument :

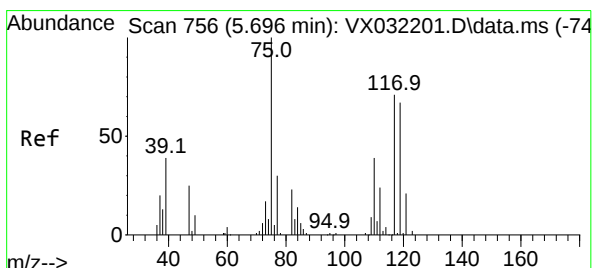
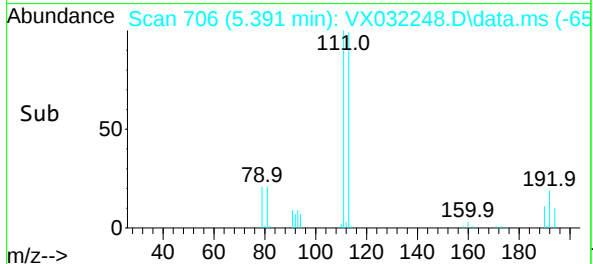
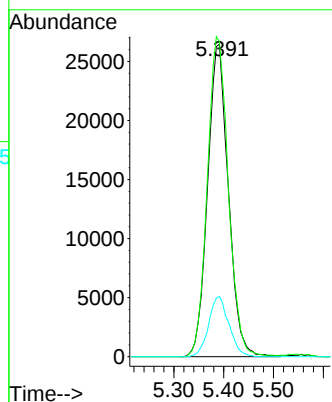
MSVOA_X

ClientSampleId :

PB148361ZHE#14



Tgt Ion:	113	Resp:	76402
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.8	124.2
192	18.8	15.5	23.3



#36

1,1-Dichloropropene

Concen: 5.469 ug/l

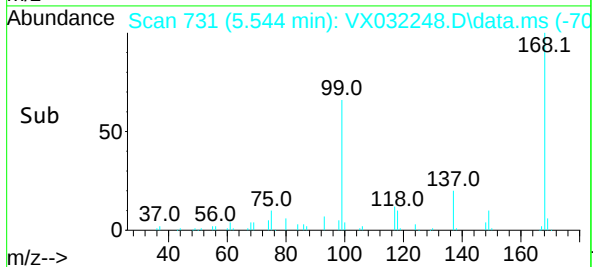
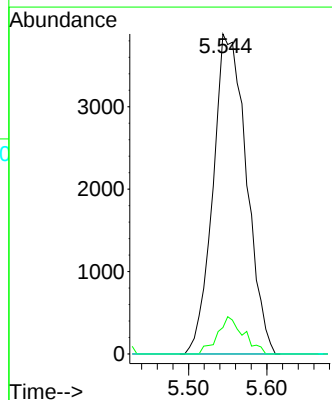
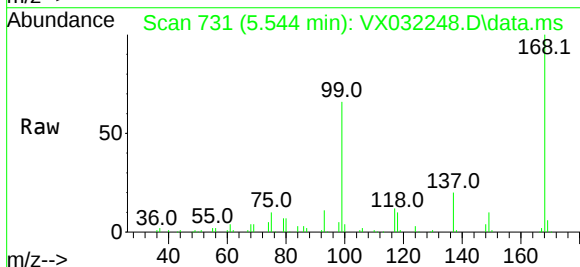
RT: 5.544 min Scan# 731

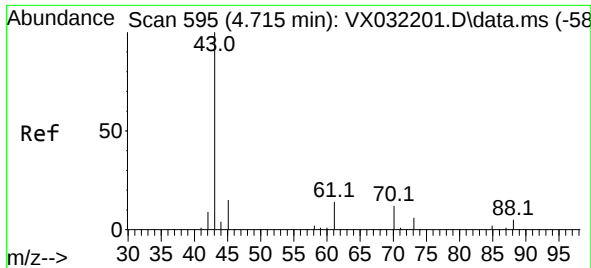
Delta R.T. -0.152 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

Tgt Ion:	75	Resp:	11479
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.4	55.0#
77	0.0	24.7	37.1#

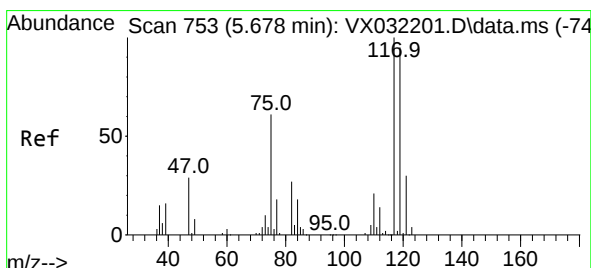
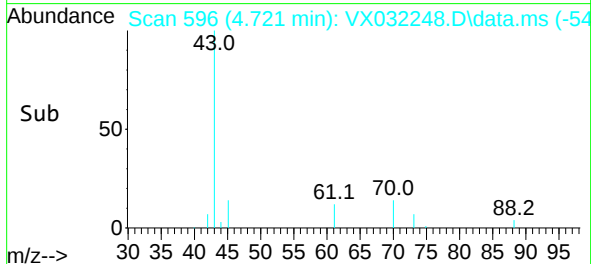
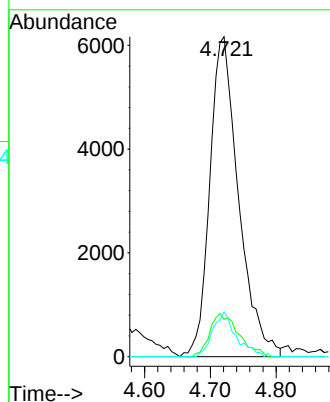
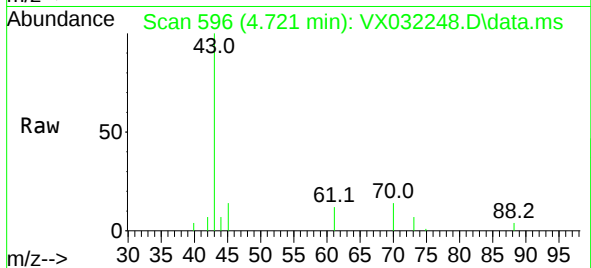




#37
Ethyl Acetate
Concen: 9.137 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

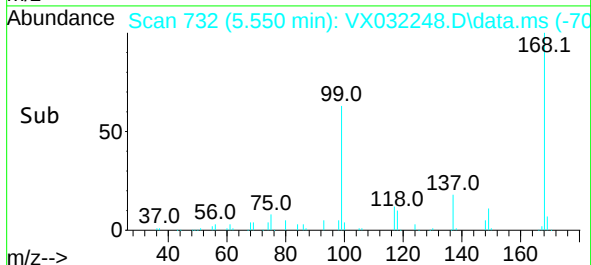
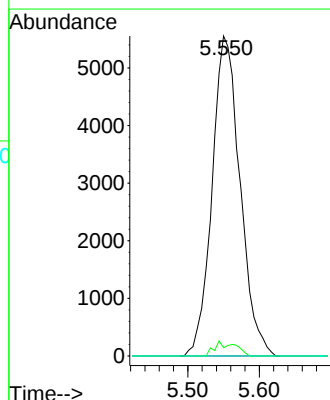
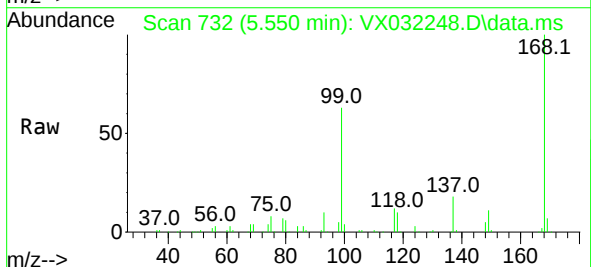
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

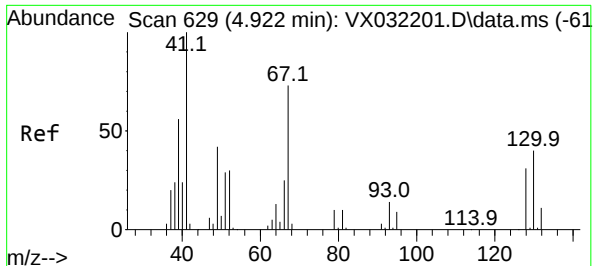
Tgt Ion: 43	Resp: 18776
Ion Ratio	Lower Upper
43 100	
61 13.5	11.4 17.2
70 11.5	8.8 13.2



#38
Carbon Tetrachloride
Concen: 6.810 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 117	Resp: 15089
Ion Ratio	Lower Upper
117 100	
119 2.6	75.4 113.0#
121 0.0	23.9 35.9#

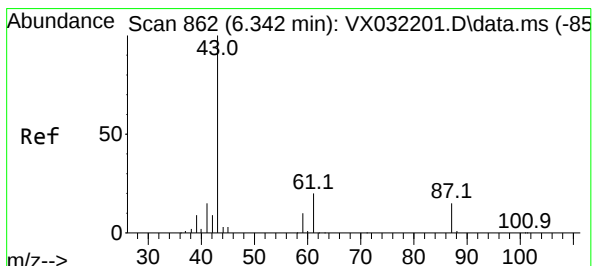
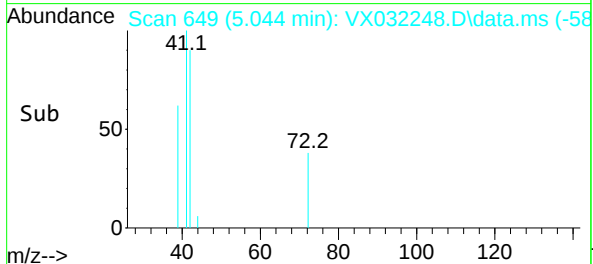
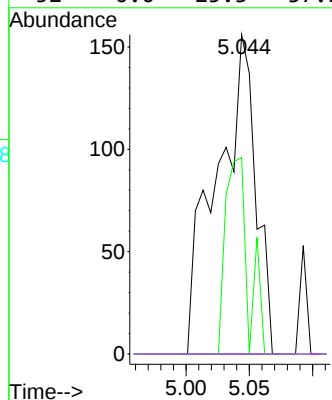
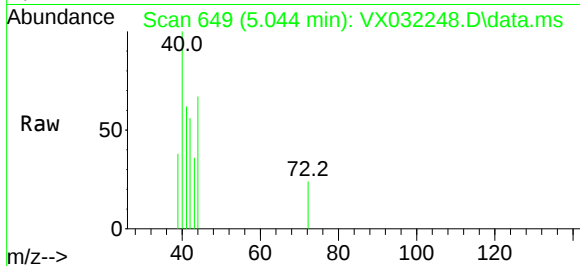




#41
Methacrylonitrile
Concen: 0.310 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

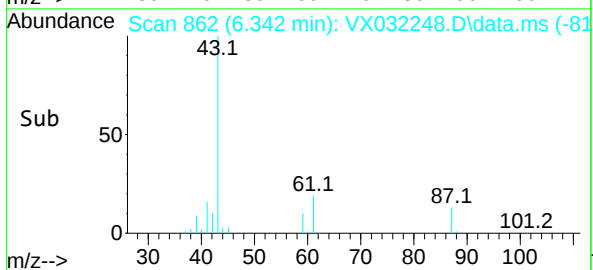
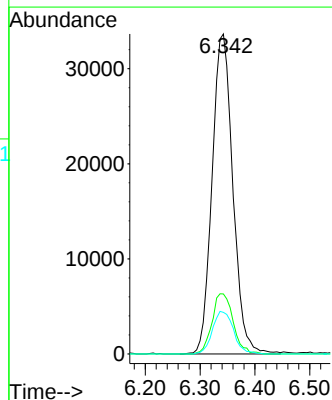
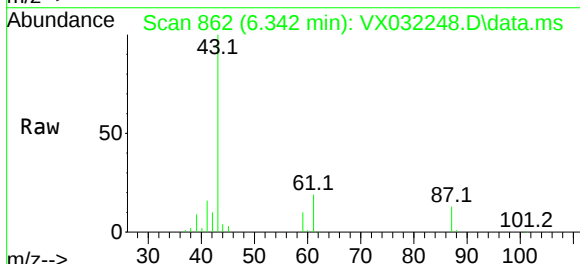
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

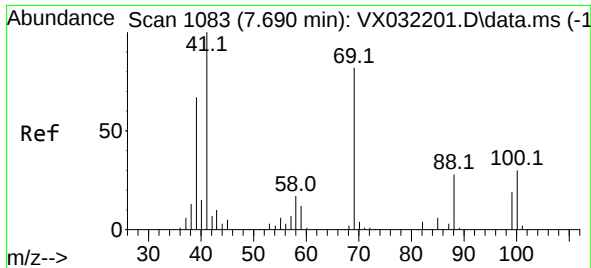
Tgt Ion: 41	Resp:	336
Ion	Ratio	Lower Upper
41	100	
39	35.4	45.5 68.3#
67	0.0	59.4 89.2#
52	0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 27.434 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 43	Resp:	88486
Ion	Ratio	Lower Upper
43	100	
61	19.1	15.5 23.3
87	13.5	11.0 16.6

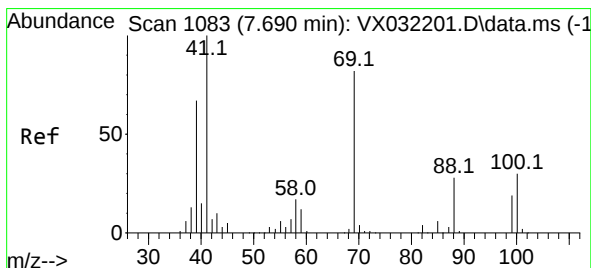
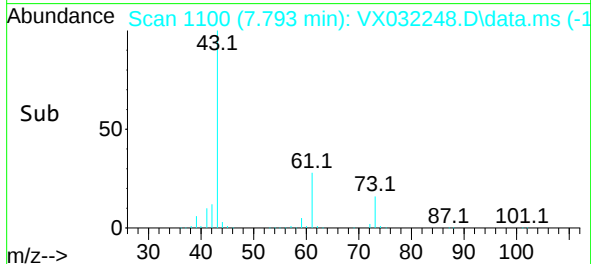
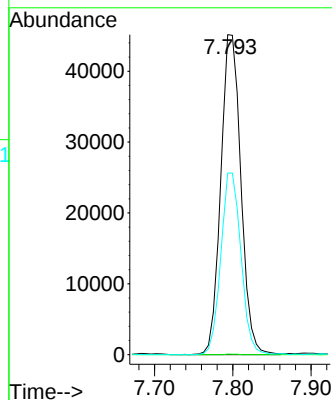
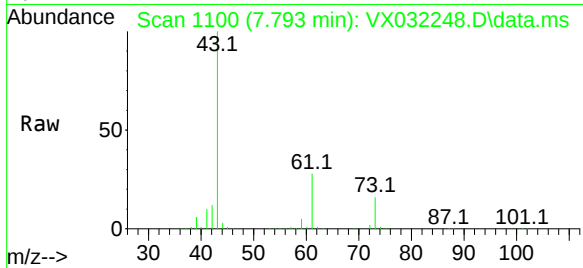




#48
Methyl methacrylate
Concen: 50.204 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

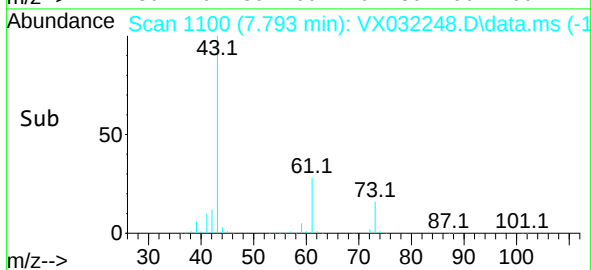
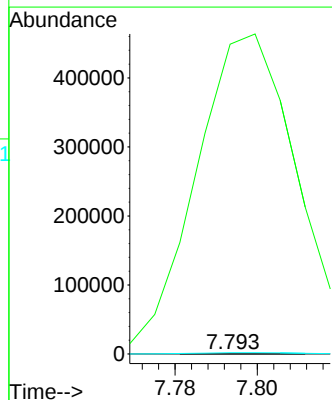
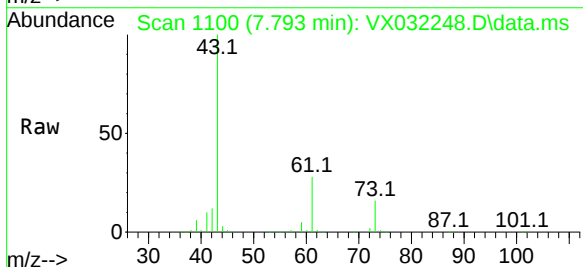
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

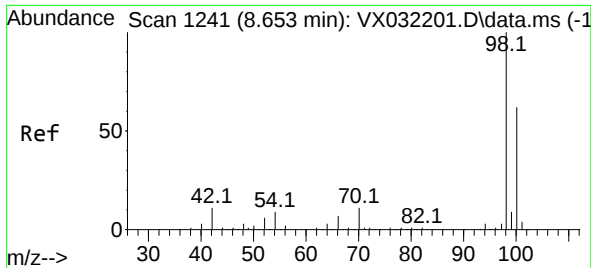
Tgt Ion: 41 Resp: 80755
Ion Ratio Lower Upper
41 100
69 0.1 67.3 100.9#
39 56.8 53.8 80.8



#49
1,4-Dioxane
Concen: 0.651 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 3850300.0 26.9 40.3#
58 15838.1 50.7 76.1#

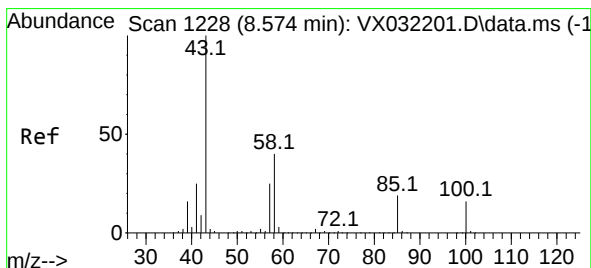
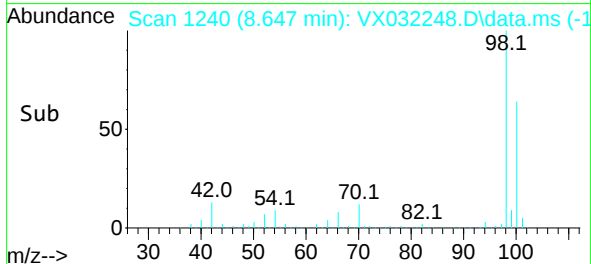
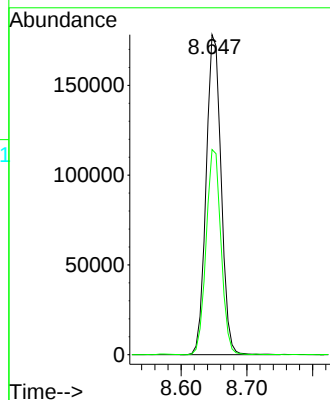
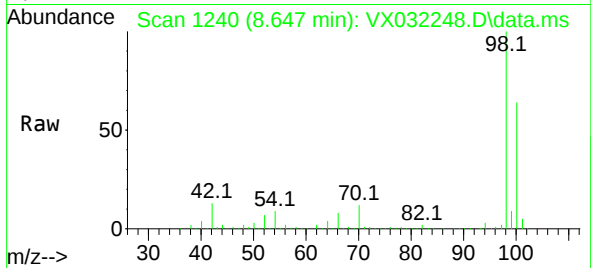




#50
Toluene-d8
Concen: 48.070 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

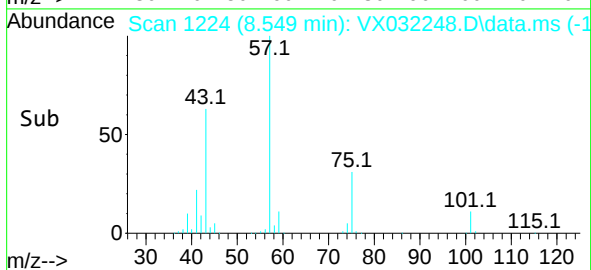
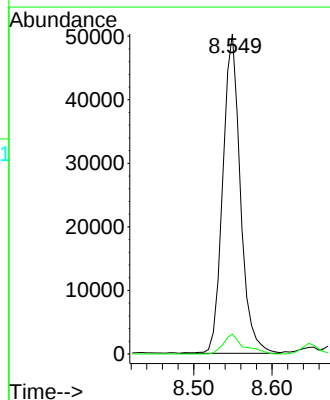
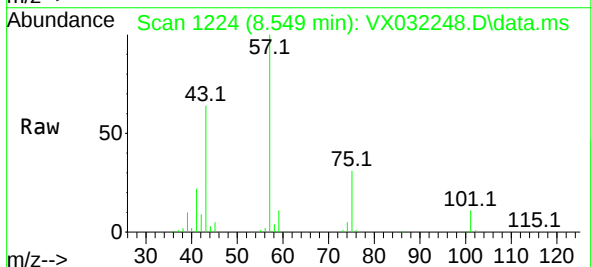
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

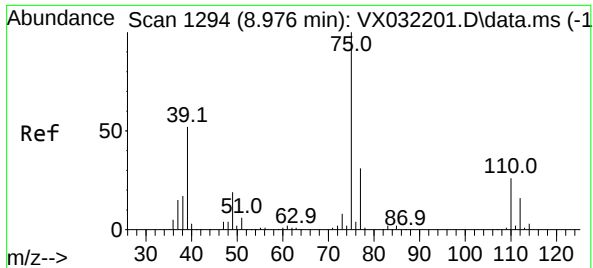
Tgt Ion: 98 Resp: 282330
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 38.820 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 43 Resp: 78487
Ion Ratio Lower Upper
43 100
58 7.1 31.0 46.4#

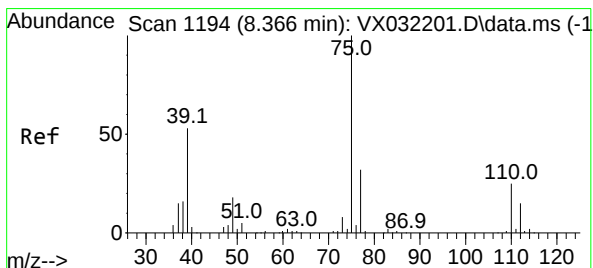
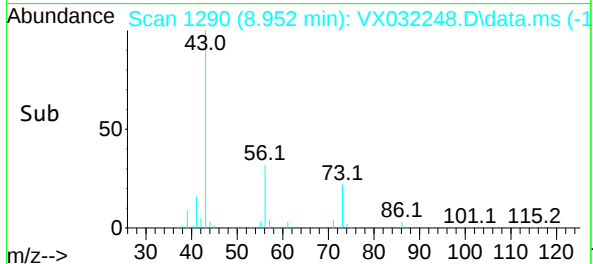
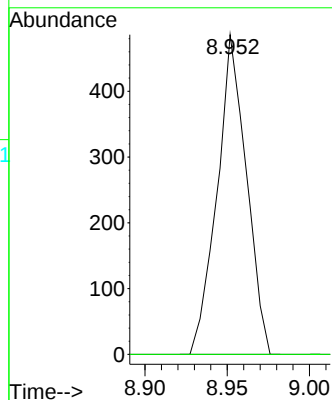
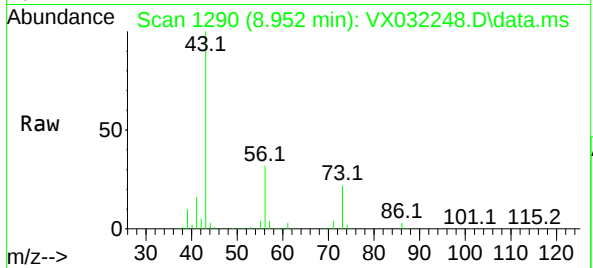




#53
 t-1,3-Dichloropropene
 Concen: 2.062 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX032248.D
 Acq: 20 Oct 2022 07:37

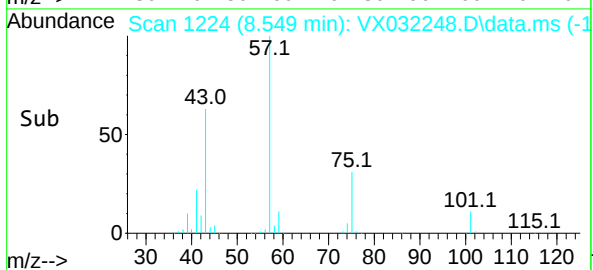
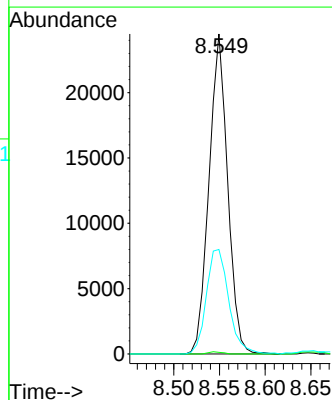
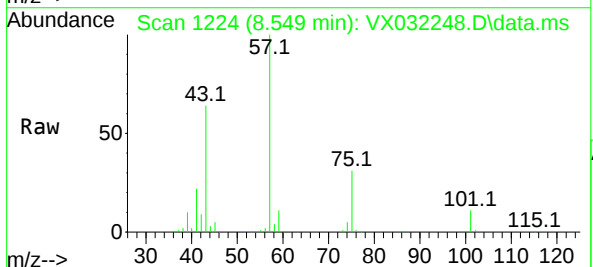
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#14

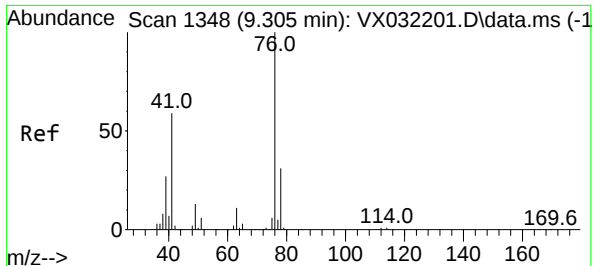
Tgt Ion: 75 Resp: 602
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#



#54
 cis-1,3-Dichloropropene
 Concen: 14.714 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX032248.D
 Acq: 20 Oct 2022 07:37

Tgt Ion: 75 Resp: 34665
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 32.7 42.4 63.6#





#57

1,3-Dichloropropane

Concen: 1.657 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

Instrument :

MSVOA_X

ClientSampleId :

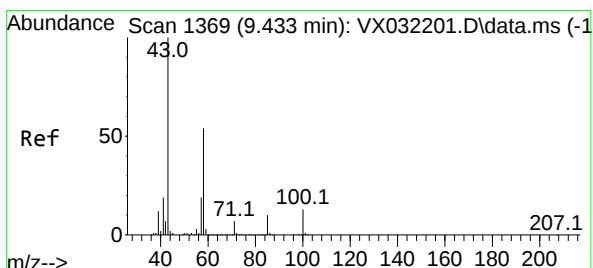
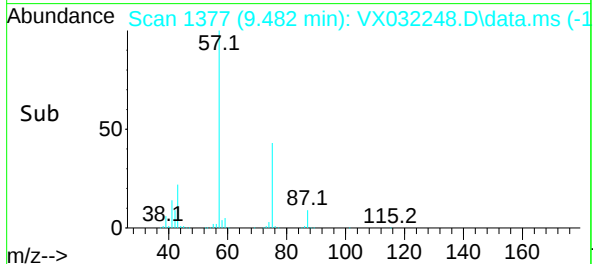
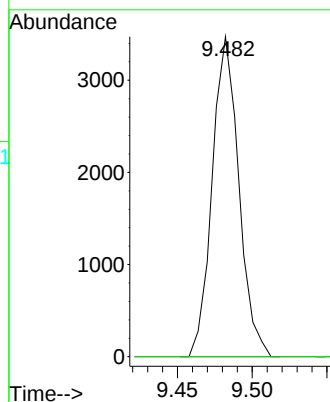
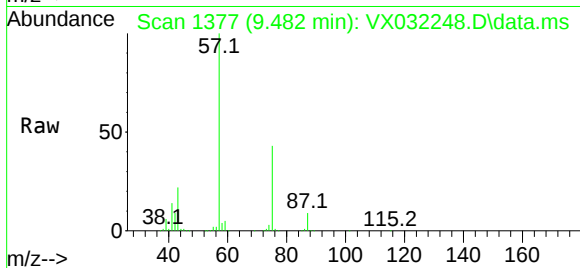
PB148361ZHE#14

Tgt Ion: 76 Resp: 4297

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 42.419 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX032248.D

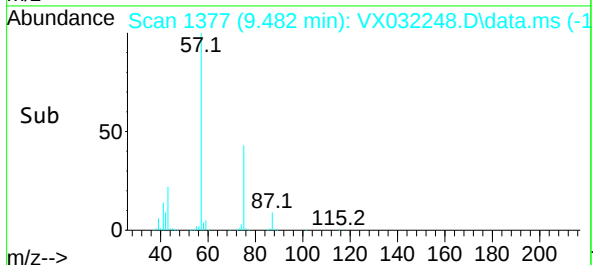
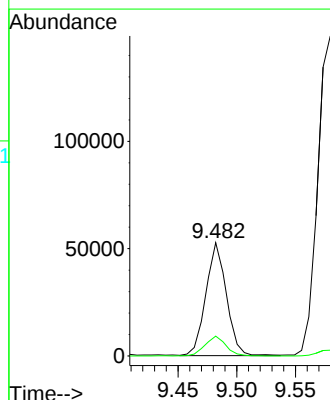
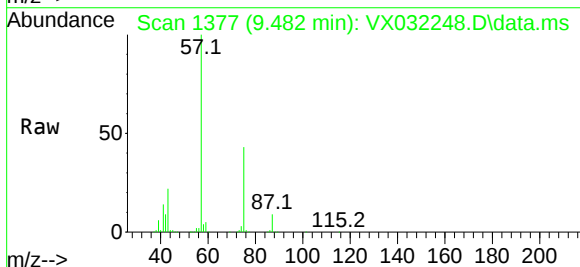
Acq: 20 Oct 2022 07:37

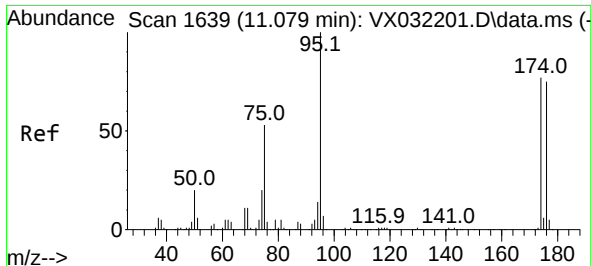
Tgt Ion: 43 Resp: 63993

Ion Ratio Lower Upper

43 100

58 17.9 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 48.492 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#14

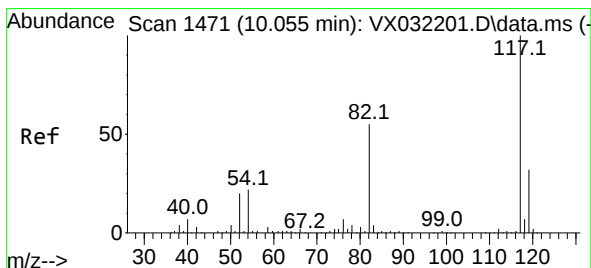
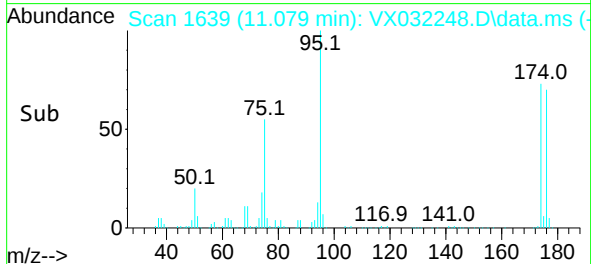
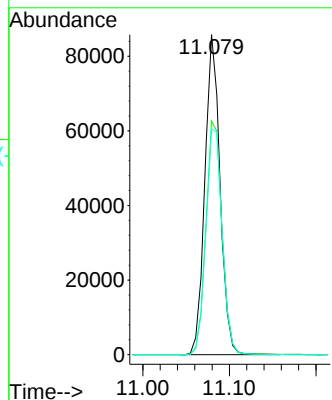
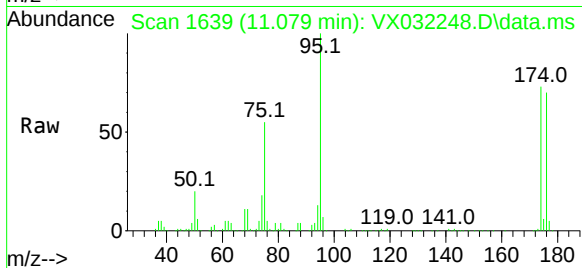
Tgt Ion: 95 Resp: 104294

Ion Ratio Lower Upper

95 100

174 78.0 0.0 166.8

176 76.0 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032248.D

Acq: 20 Oct 2022 07:37

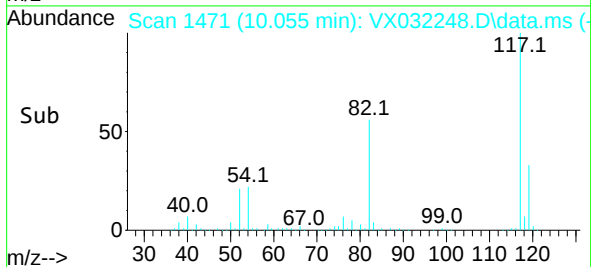
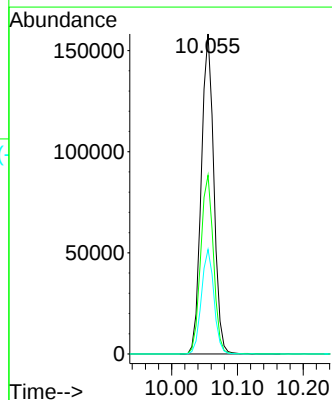
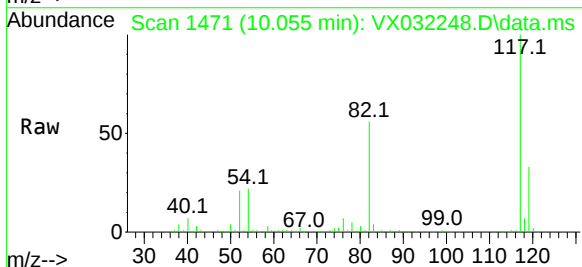
Tgt Ion: 117 Resp: 210205

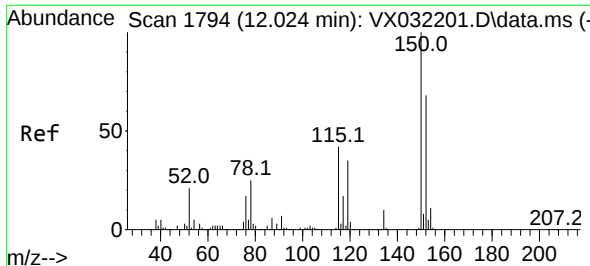
Ion Ratio Lower Upper

117 100

82 55.9 44.2 66.4

119 32.6 25.8 38.8

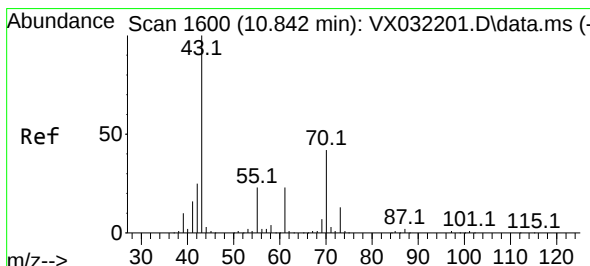
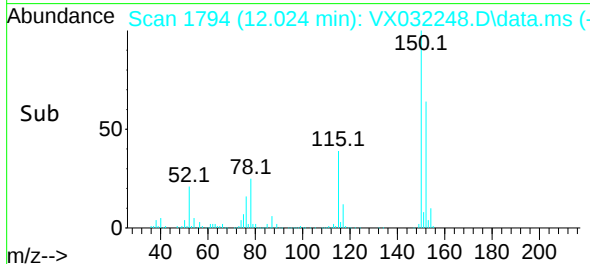
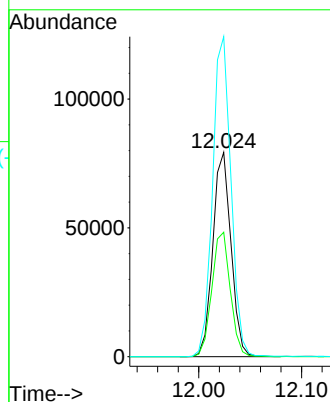
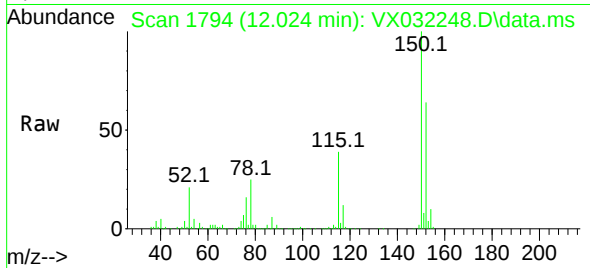




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

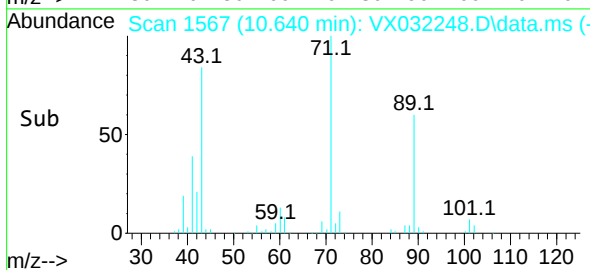
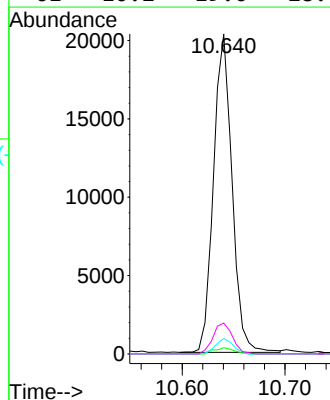
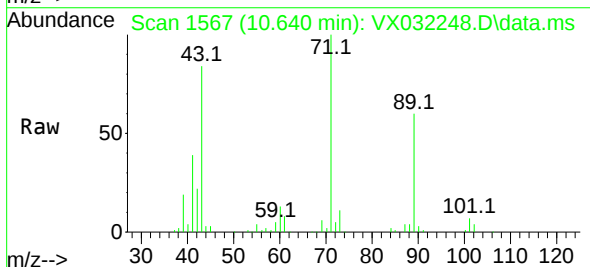
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

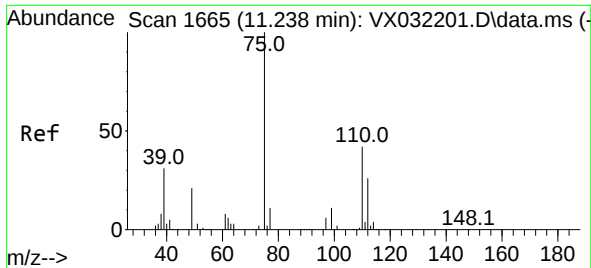
Tgt Ion:152 Resp: 97218
Ion Ratio Lower Upper
152 100
115 61.9 43.1 129.4
150 158.7 0.0 348.6



#74
N-ethyl acetate
Concen: 9.937 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 43 Resp: 25465
Ion Ratio Lower Upper
43 100
70 2.1 33.9 50.9#
55 4.6 19.1 28.7#
61 10.2 19.0 28.4#

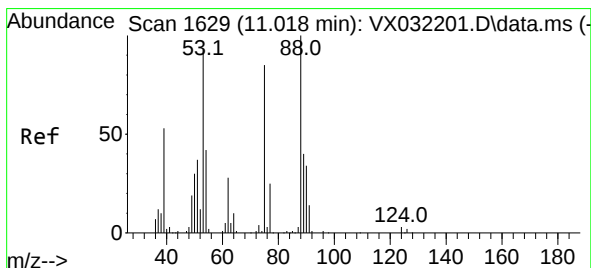
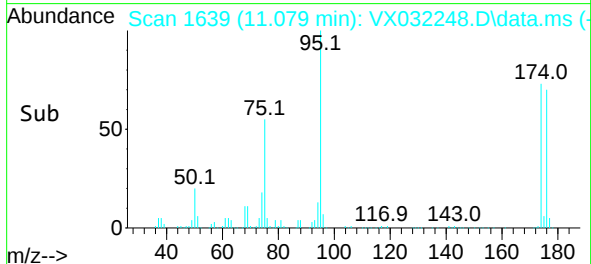
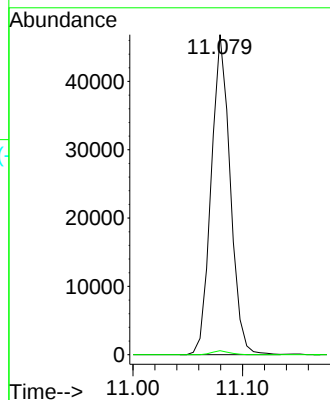
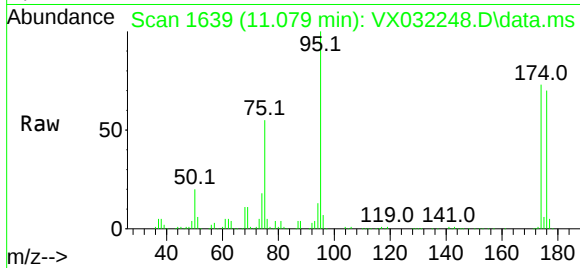




#76
1,2,3-Trichloropropane
Concen: 29.314 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#14

Tgt Ion: 75 Resp: 56467
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.769 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032248.D
Acq: 20 Oct 2022 07:37

Tgt Ion: 75 Resp: 56467
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

