

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032245.D
 Acq On : 20 Oct 2022 06:28
 Operator : JC/MD
 Sample : PB148361ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#11

Quant Time: Oct 20 13:13:01 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)

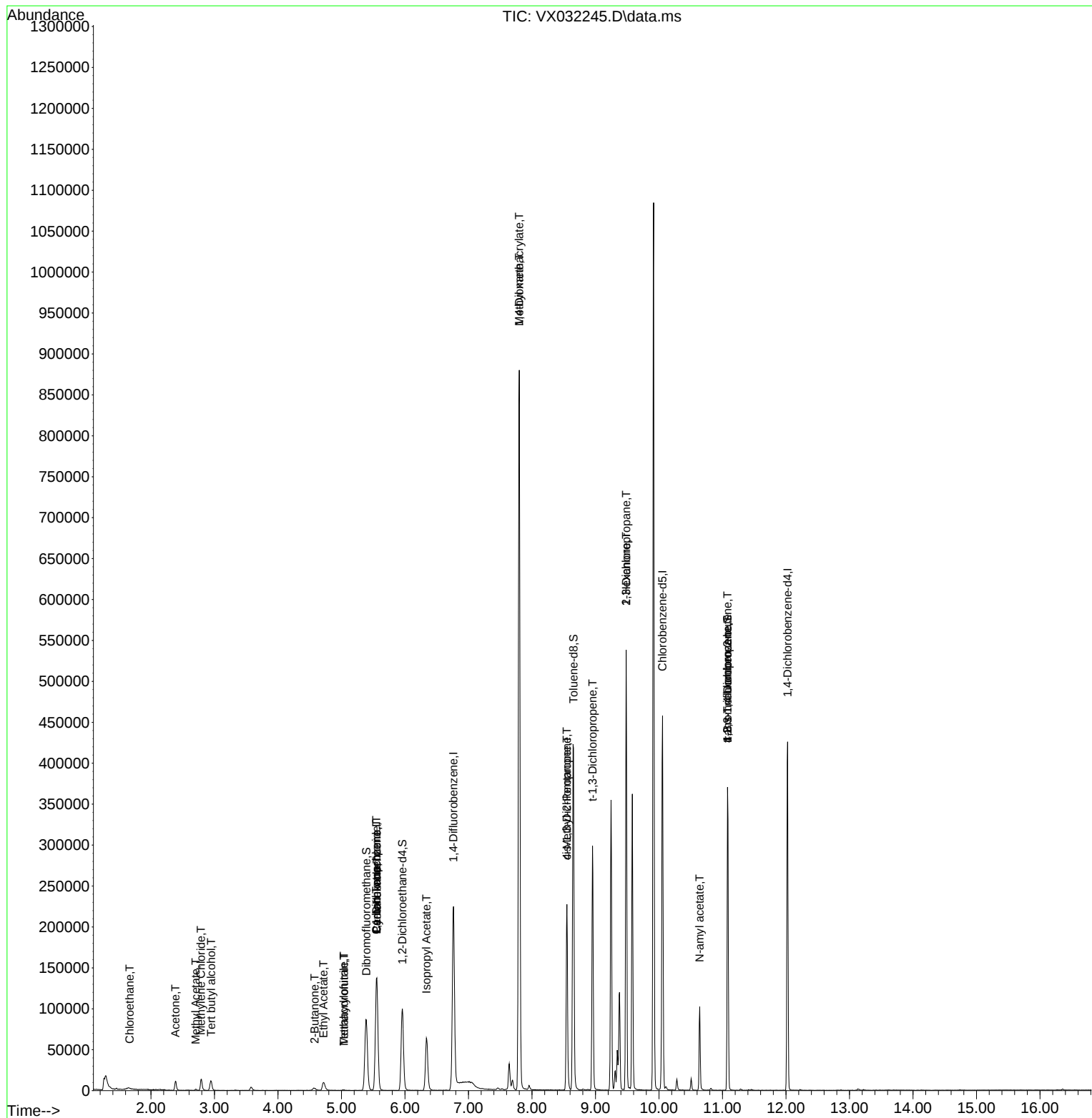
Internal Standards						
1) Pentafluorobenzene	5.556	168	129222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220252	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	101948	60.646	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 121.300%#			
35) Dibromofluoromethane	5.391	113	75239	49.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	8.653	98	255328	46.279	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.560%			
62) 4-Bromofluorobenzene	11.079	95	93877	46.467	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.940%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1075	Below Cal	#	44
6) Chloroethane	1.666	64	197	2.101	ug/l #	41
11) Tert butyl alcohol	2.947	59	7287	8.468	ug/l #	77
16) Acetone	2.386	43	13824	25.340	ug/l	99
18) Methyl Acetate	2.703	43	1806	0.975	ug/l #	89
20) Methylene Chloride	2.788	84	6836	4.880	ug/l	95
25) 2-Butanone	4.574	43	1797	2.110	ug/l #	71
29) Tetrahydrofuran	5.038	42	561	1.020	ug/l #	60
31) Cyclohexane	5.556	56	2912	1.515	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	10529	5.340	ug/l #	49
37) Ethyl Acetate	4.715	43	18293	9.477	ug/l	99
38) Carbon Tetrachloride	5.550	117	13069	6.279	ug/l #	16
41) Methacrylonitrile	5.038	41	248	0.244	ug/l #	37
43) Isopropyl Acetate	6.336	43	88315	29.150	ug/l	99
48) Methyl methacrylate	7.799	41	80742	53.437	ug/l #	43
49) 1,4-Dioxane	7.799	88	110	3.627	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77938	41.038	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	702	2.121	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34572	15.622	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	4229	1.736	ug/l #	42
59) 2-Hexanone	9.482	43	63902	45.093	ug/l #	51
74) N-amyl acetate	10.640	43	24953	11.023	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	50486	29.672	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	50486	90.833	ug/l #	6

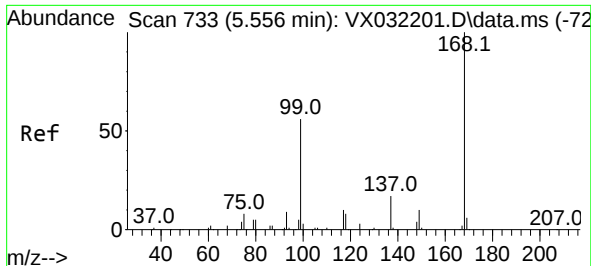
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
Data File : VX032245.D
Acq On : 20 Oct 2022 06:28
Operator : JC/MD
Sample : PB148361ZHE#11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

Quant Time: Oct 20 13:13:01 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

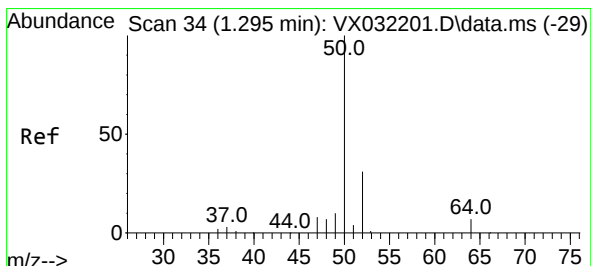
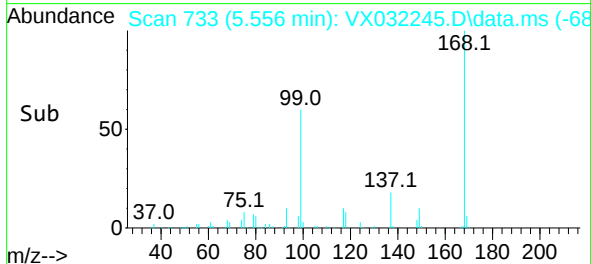
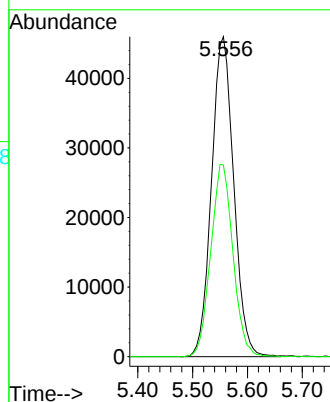
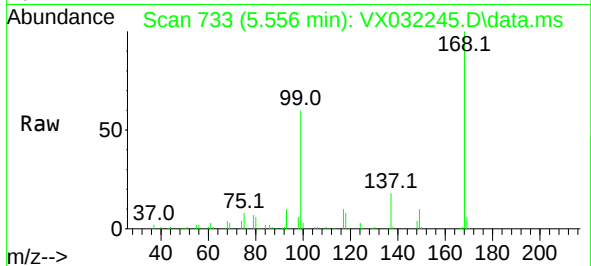




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

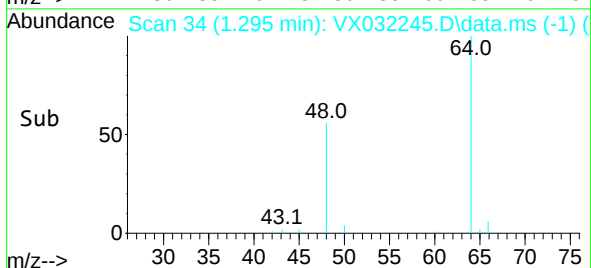
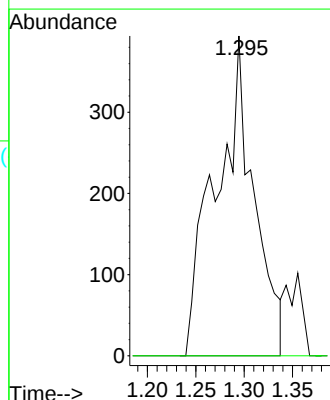
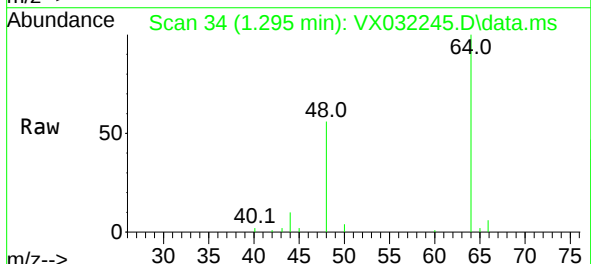
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

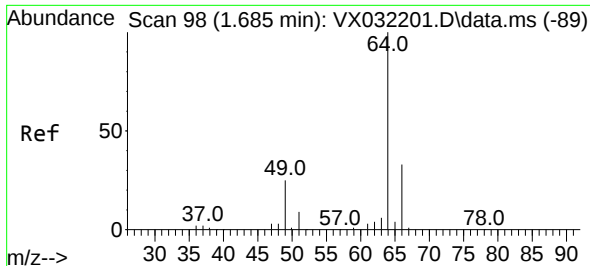
Tgt Ion:168 Resp: 129222
Ion Ratio Lower Upper
168 100
99 59.9 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Tgt Ion: 50 Resp: 1075
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

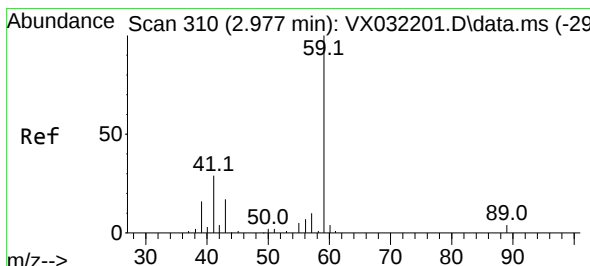
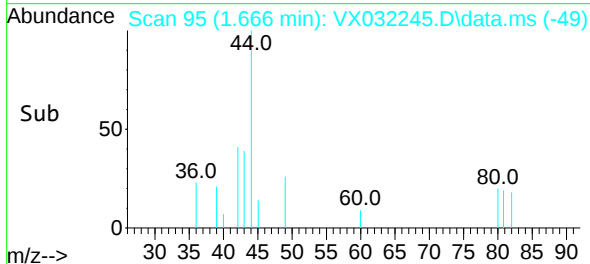
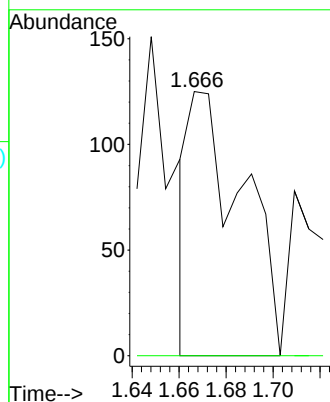
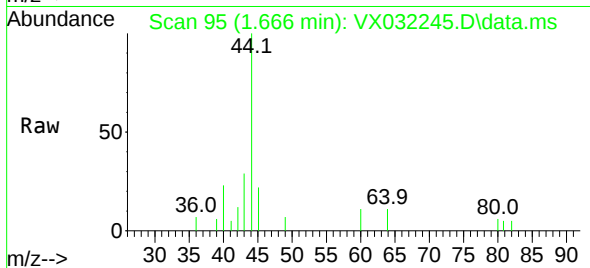




#6
Chloroethane
Concen: 2.101 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

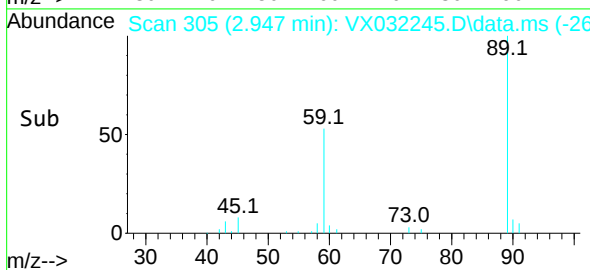
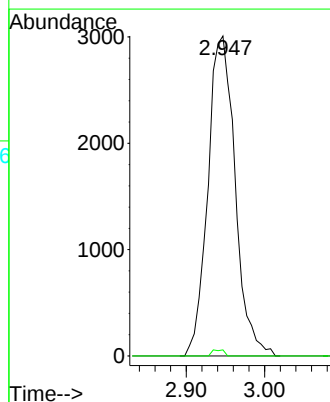
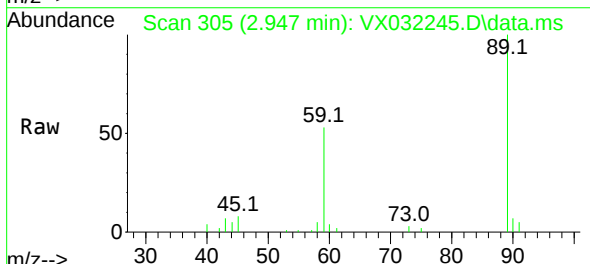
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

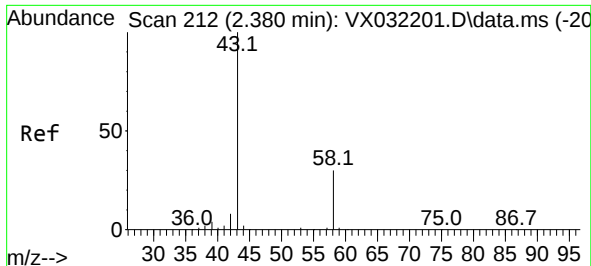
Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 8.468 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Tgt Ion: 59 Resp: 7287
Ion Ratio Lower Upper
59 100
57 0.8 7.5 11.3#

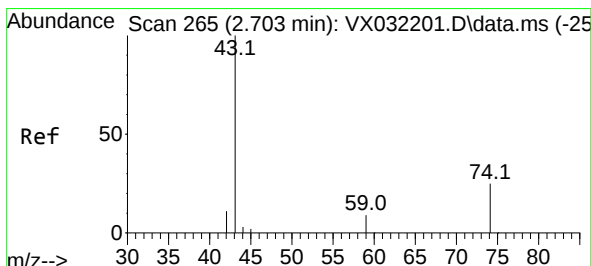
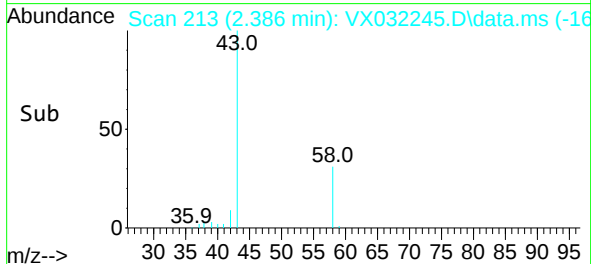
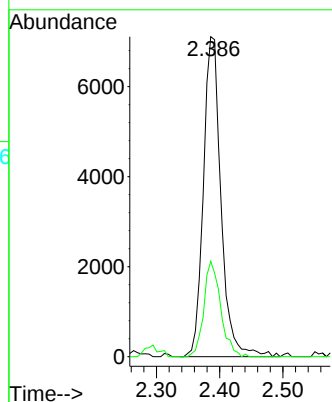
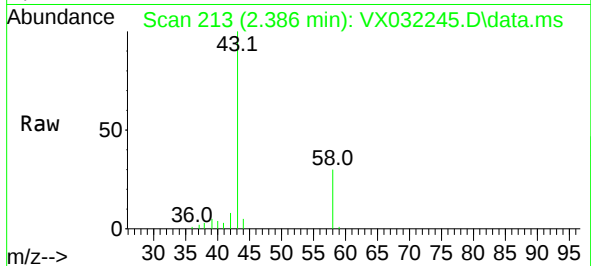




#16
Acetone
Concen: 25.340 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

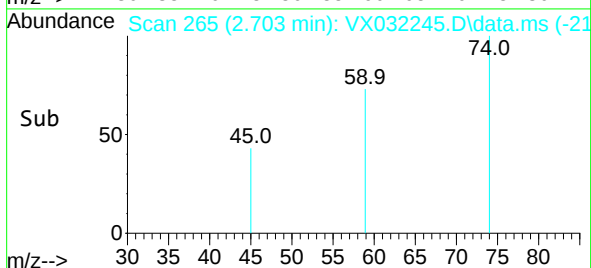
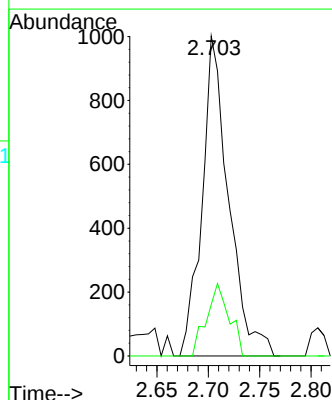
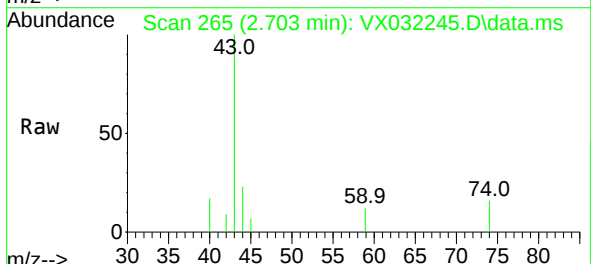
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

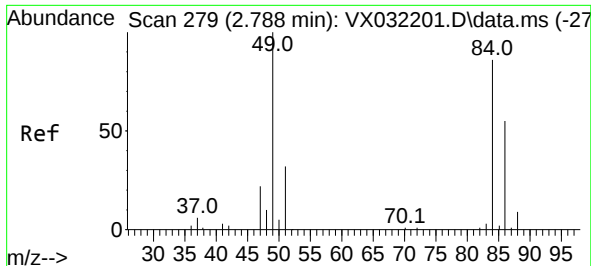
Tgt Ion: 43 Resp: 13824
Ion Ratio Lower Upper
43 100
58 29.8 24.2 36.2



#18
Methyl Acetate
Concen: 0.975 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

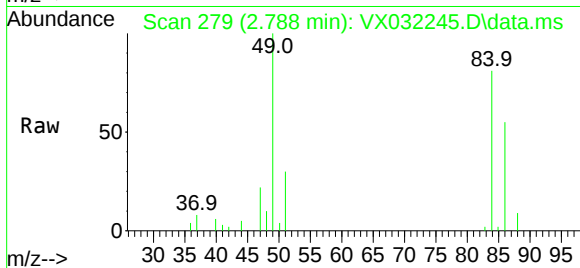
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
74 19.3 19.8 29.8#



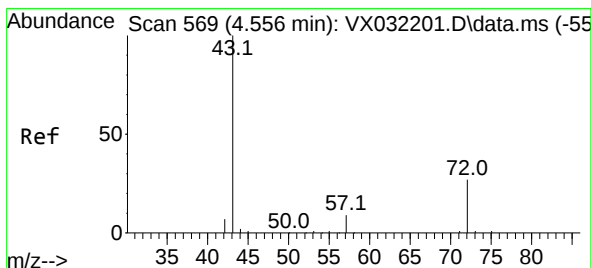
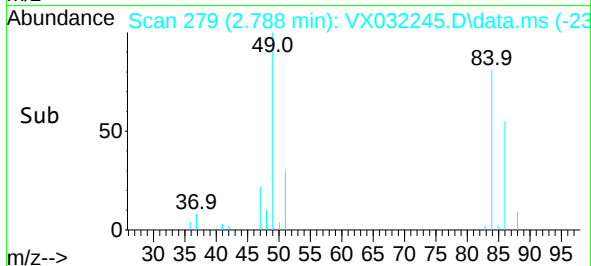
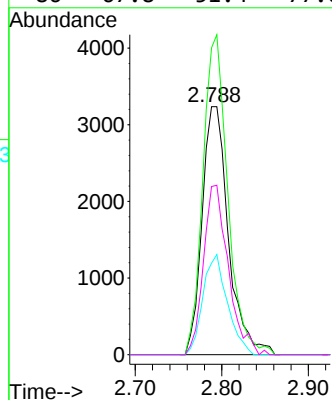


#20
Methylene Chloride
Concen: 4.880 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

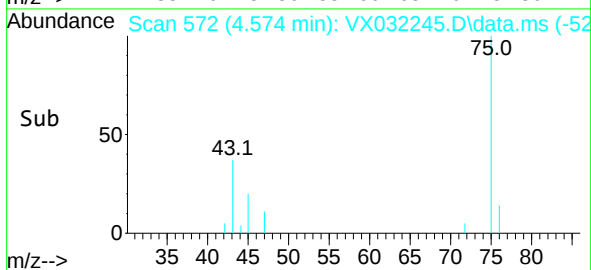
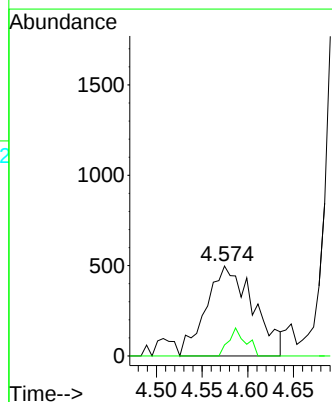
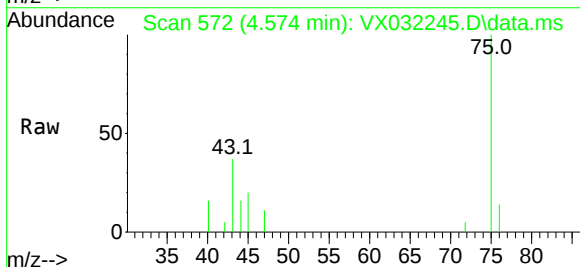


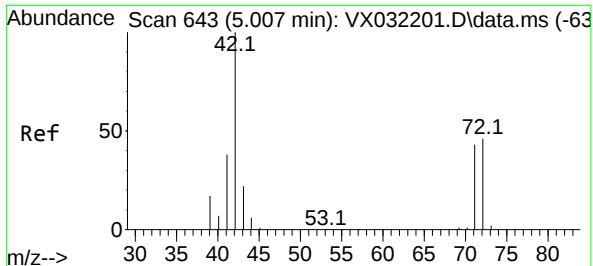
Tgt Ion:	84	Resp:	6836
Ion	Ratio	Lower	Upper
84	100		
49	123.7	92.6	139.0
51	36.9	29.2	43.8
86	67.8	51.4	77.0



#25
2-Butanone
Concen: 2.110 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Tgt Ion:	43	Resp:	1797
Ion	Ratio	Lower	Upper
43	100		
72	12.2	21.7	32.5#





#29

Tetrahydrofuran

Concen: 1.020 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#11

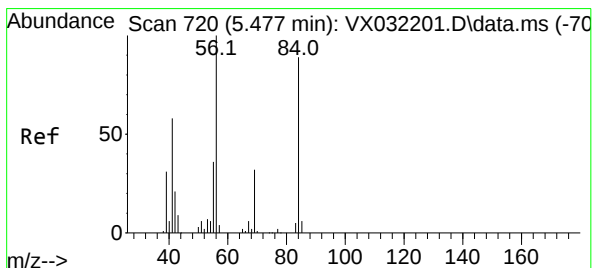
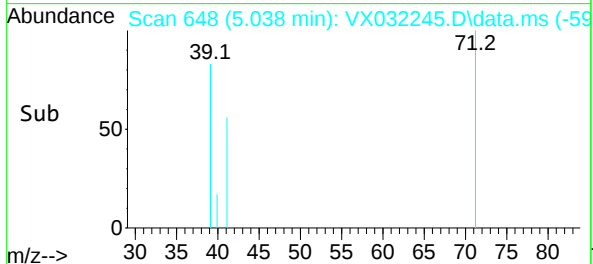
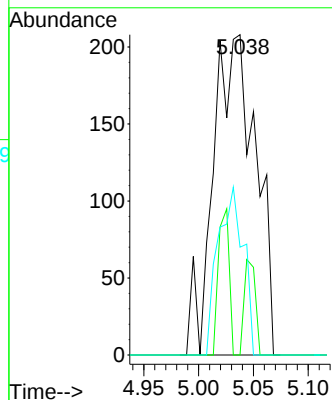
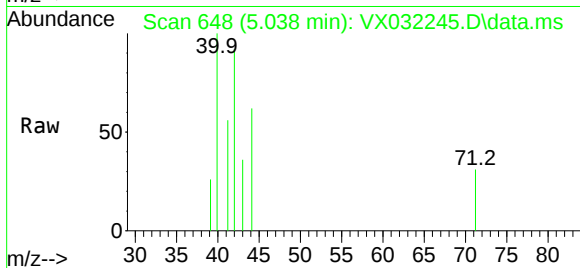
Tgt Ion: 42 Resp: 561

Ion Ratio Lower Upper

42 100

72 7.8 37.5 56.3#

71 31.2 34.7 52.1#



#31

Cyclohexane

Concen: 1.515 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

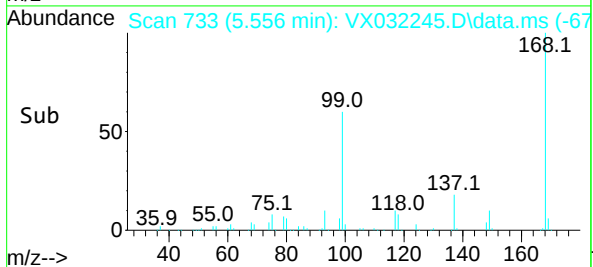
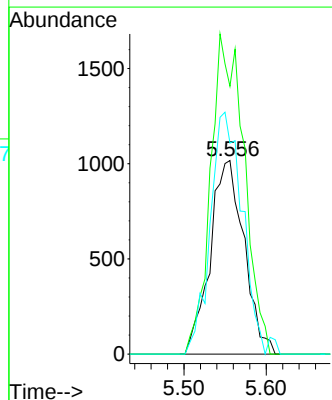
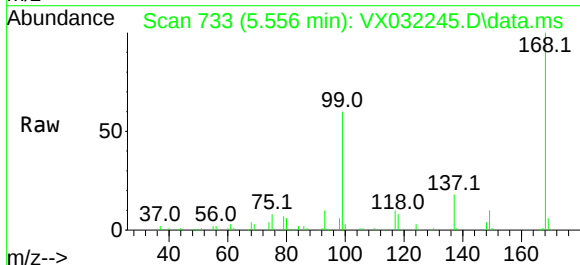
Tgt Ion: 56 Resp: 2912

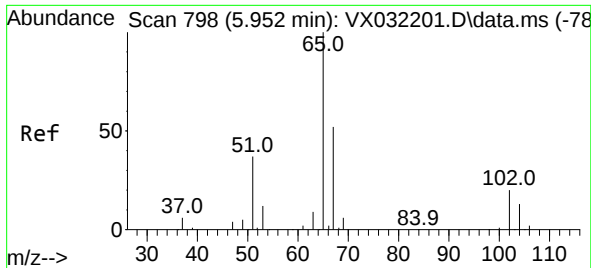
Ion Ratio Lower Upper

56 100

69 138.3 25.4 38.0#

84 109.0 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 60.646 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

Instrument :

MSVOA_X

ClientSampleId :

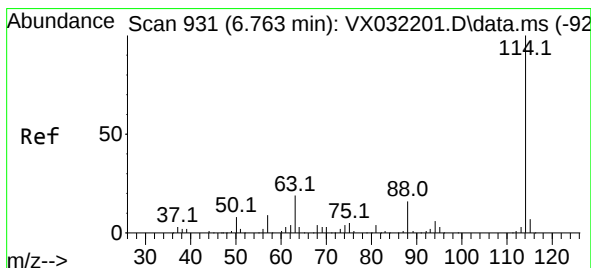
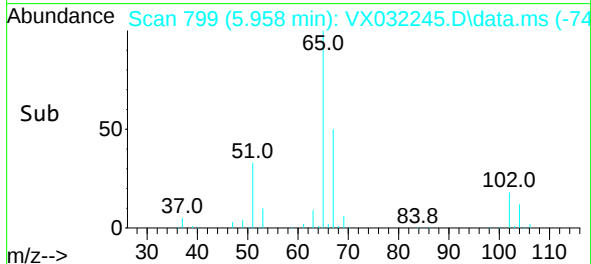
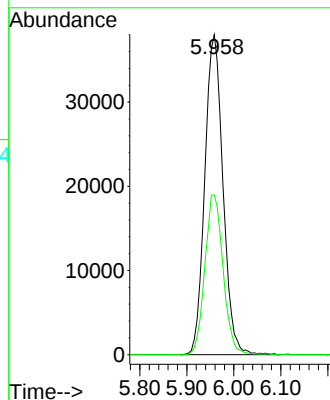
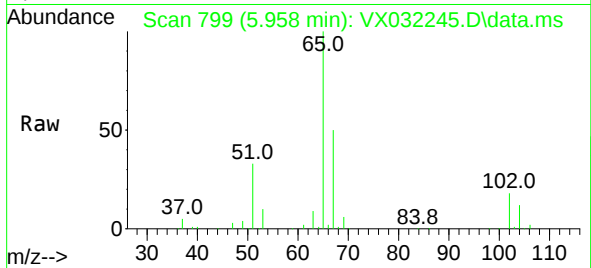
PB148361ZHE#11

Tgt Ion: 65 Resp: 101948

Ion Ratio Lower Upper

65 100

67 50.2 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: VX032245.D

Acq: 20 Oct 2022 06:28

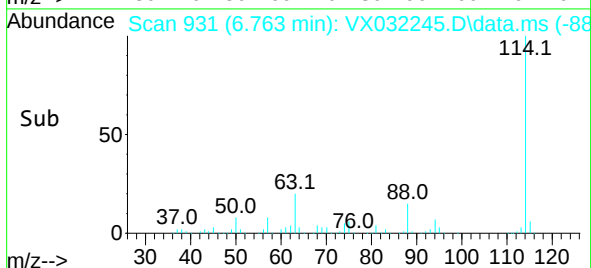
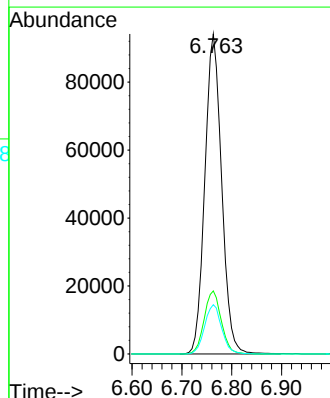
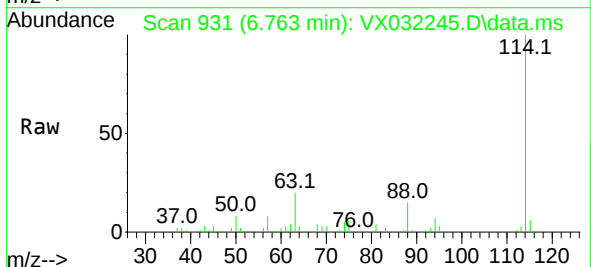
Tgt Ion: 114 Resp: 220252

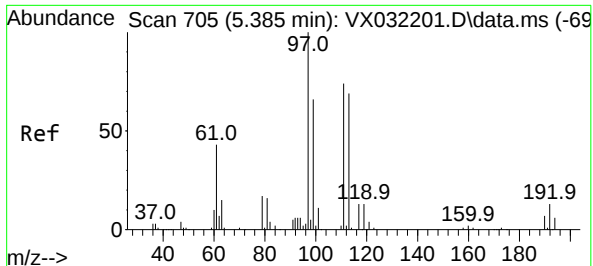
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.090 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032245.D

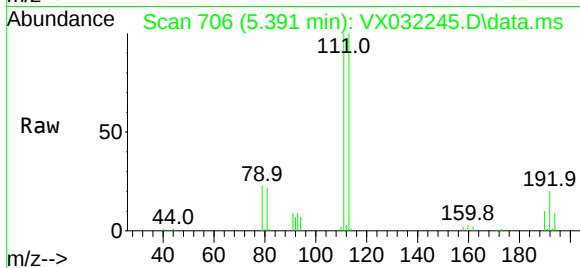
Acq: 20 Oct 2022 06:28

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#11



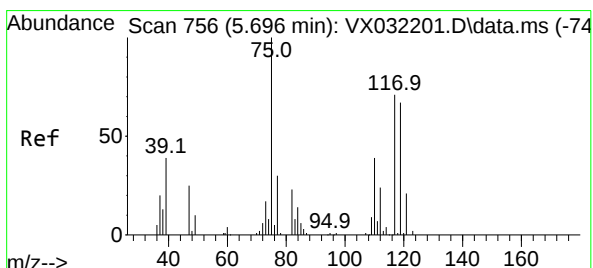
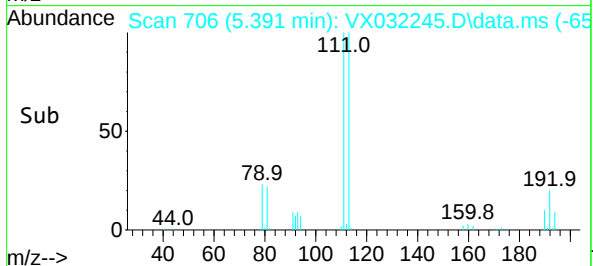
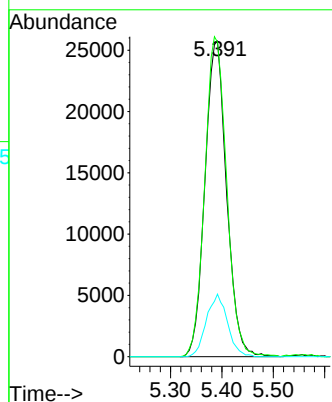
Tgt Ion:113 Resp: 75239

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 19.3 15.5 23.3



#36

1,1-Dichloropropene

Concen: 5.340 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

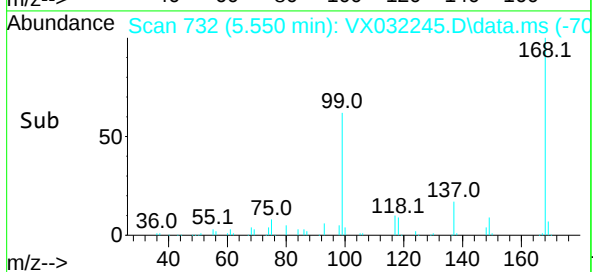
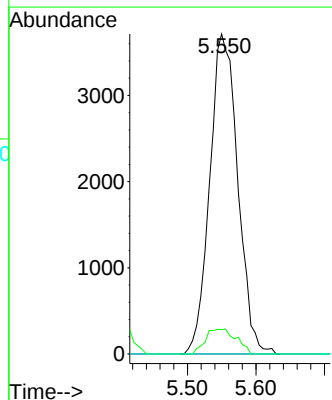
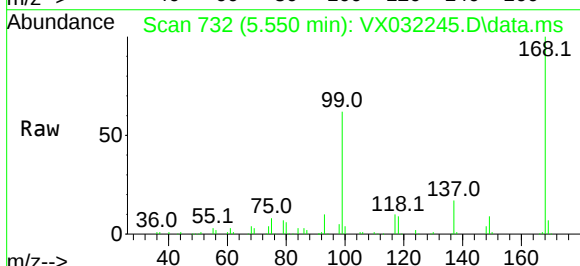
Tgt Ion: 75 Resp: 10529

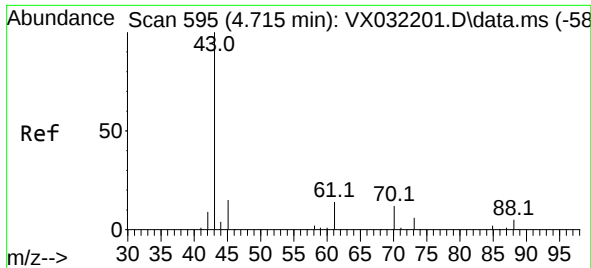
Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.0#

77 0.0 24.7 37.1#

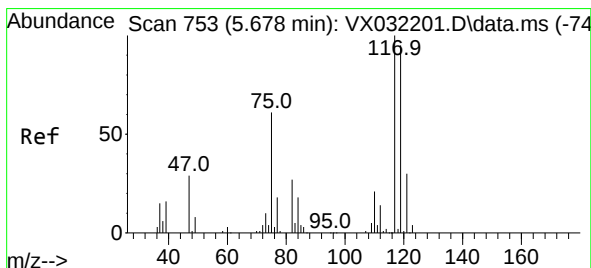
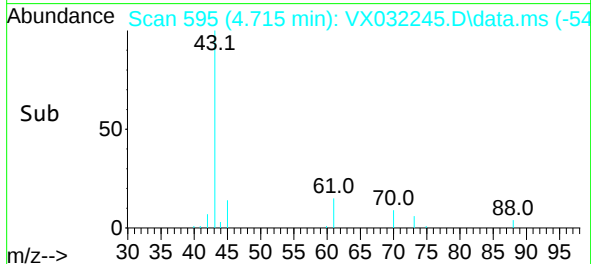
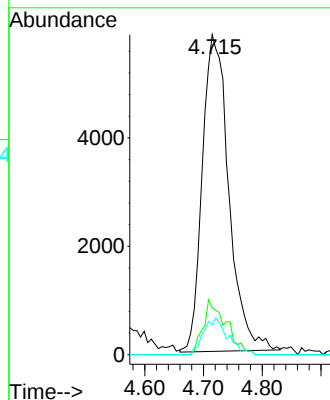
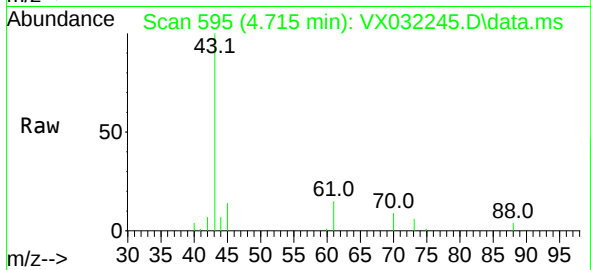




#37
Ethyl Acetate
Concen: 9.477 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

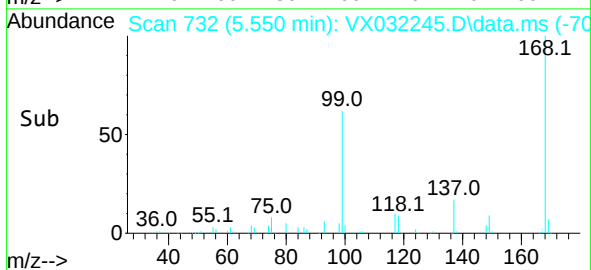
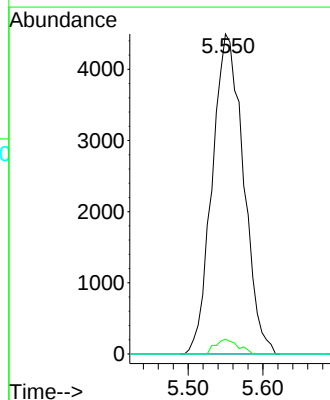
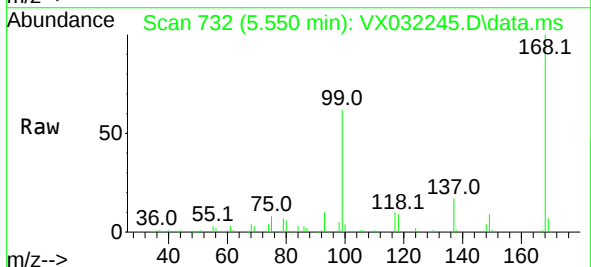
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

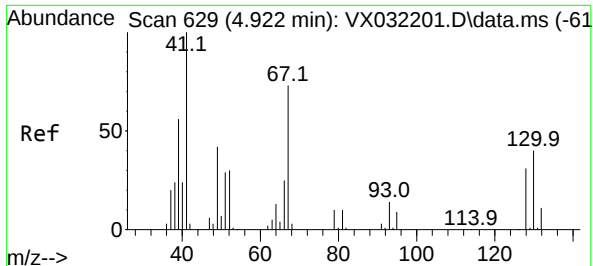
Tgt Ion: 43 Resp: 18293
Ion Ratio Lower Upper
43 100
61 15.0 11.4 17.2
70 10.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

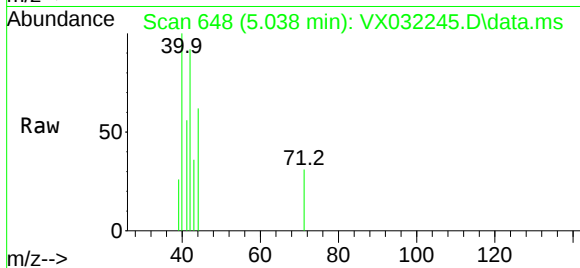
Tgt Ion: 117 Resp: 13069
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.0#
121 0.0 23.9 35.9#



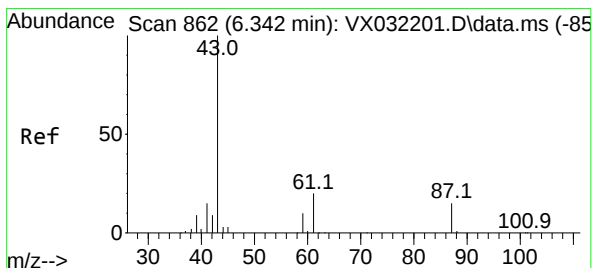
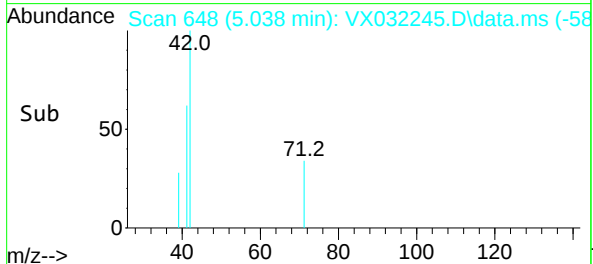
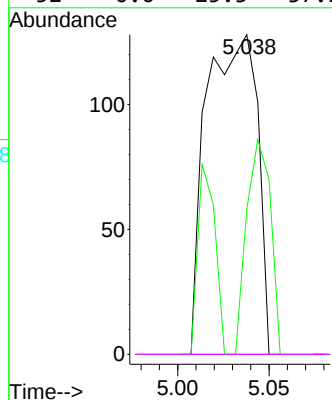


#41
Methacrylonitrile
Concen: 0.244 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.116 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

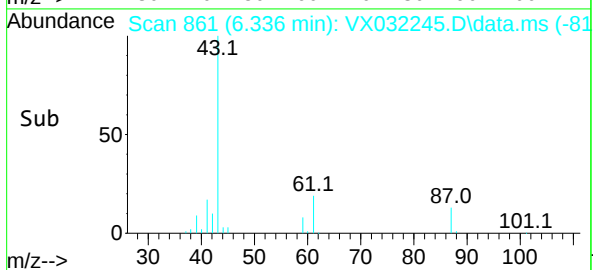
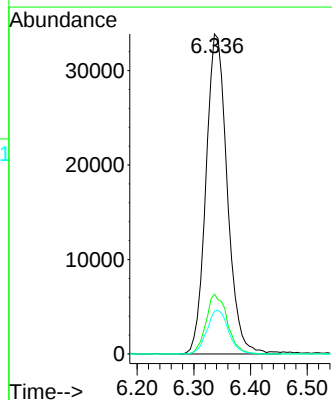
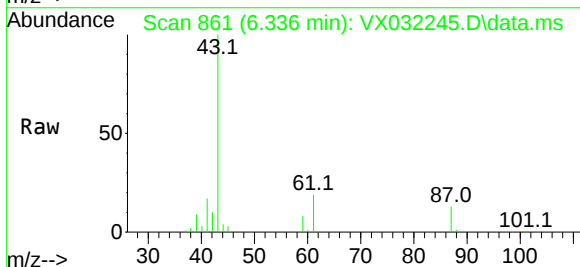


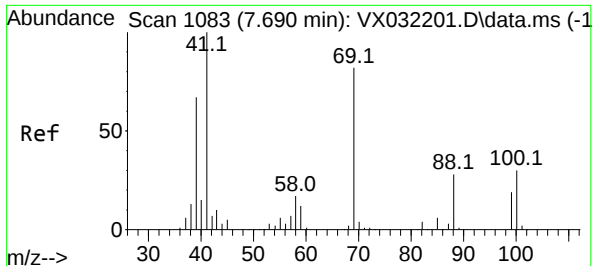
Tgt Ion: 41	Resp: 248
Ion Ratio	Lower Upper
41 100	
39 31.5	45.5 68.3#
67 0.0	59.4 89.2#
52 0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 29.150 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Tgt Ion: 43	Resp: 88315
Ion Ratio	Lower Upper
43 100	
61 18.7	15.5 23.3
87 13.8	11.0 16.6





#48

Methyl methacrylate

Concen: 53.437 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#11

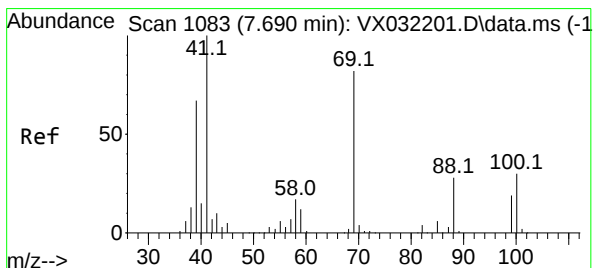
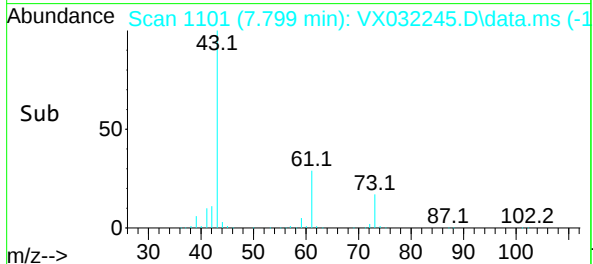
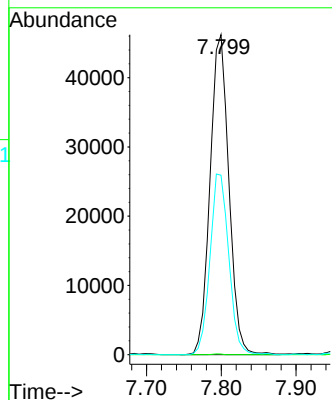
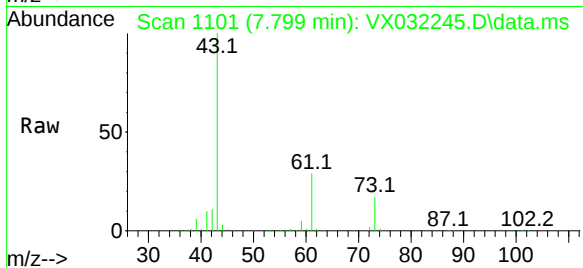
Tgt Ion: 41 Resp: 80742

Ion Ratio Lower Upper

41 100

69 0.1 67.3 100.9#

39 56.4 53.8 80.8



#49

1,4-Dioxane

Concen: 3.627 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

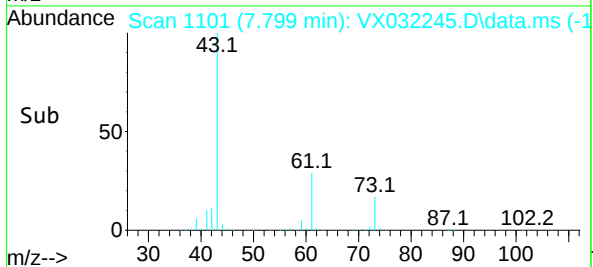
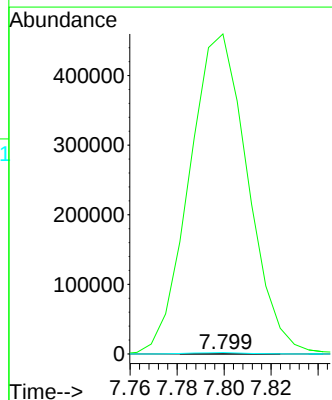
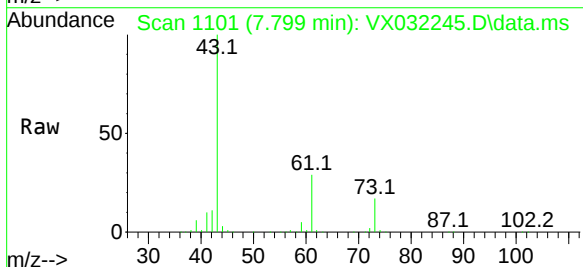
Tgt Ion: 88 Resp: 110

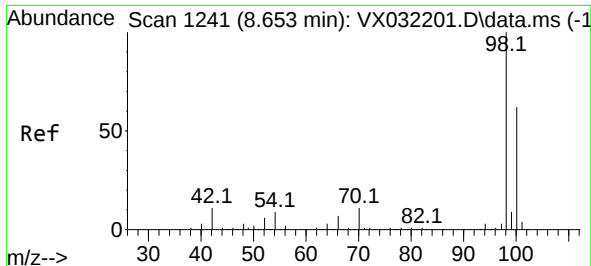
Ion Ratio Lower Upper

88 100

43 727997.3 26.9 40.3#

58 3056.4 50.7 76.1#

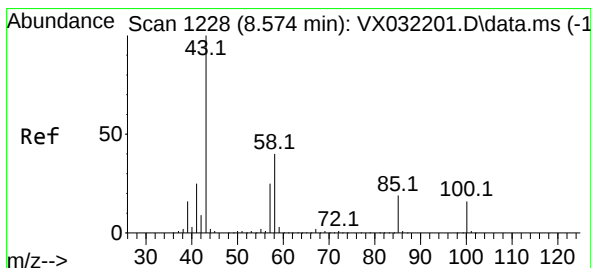
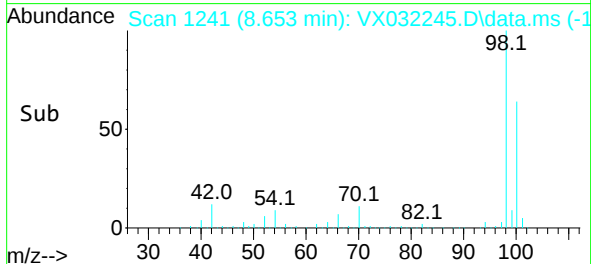
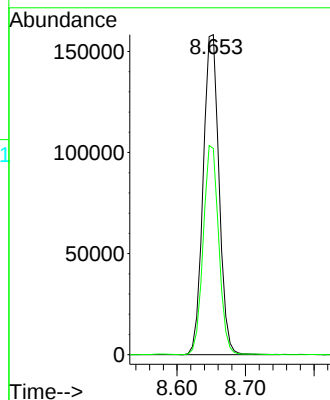
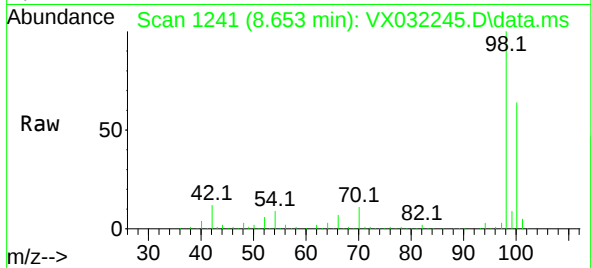




#50
Toluene-d8
Concen: 46.279 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

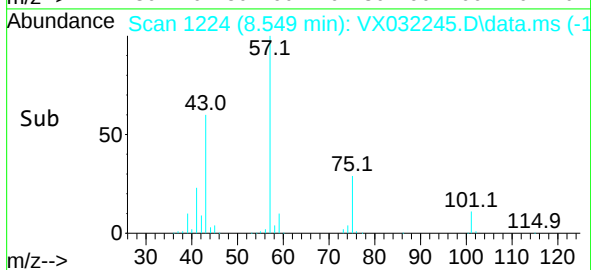
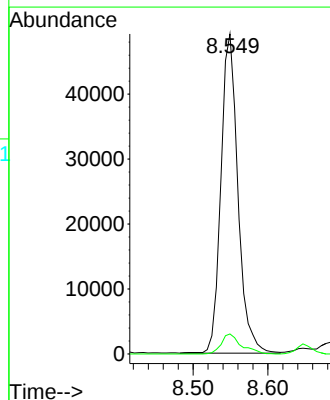
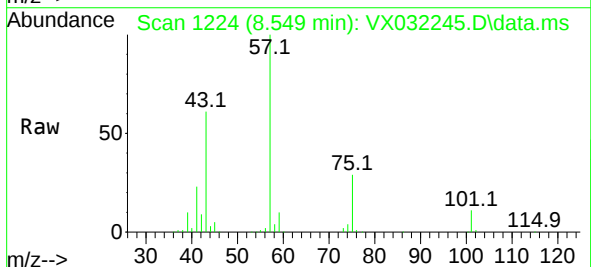
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

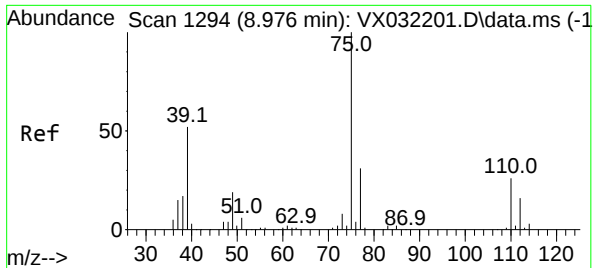
Tgt Ion: 98 Resp: 255328
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 41.038 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Tgt Ion: 43 Resp: 77938
Ion Ratio Lower Upper
43 100
58 7.3 31.0 46.4#

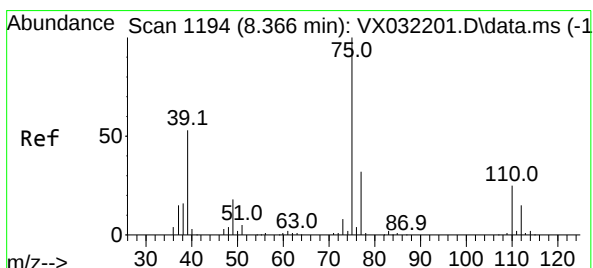
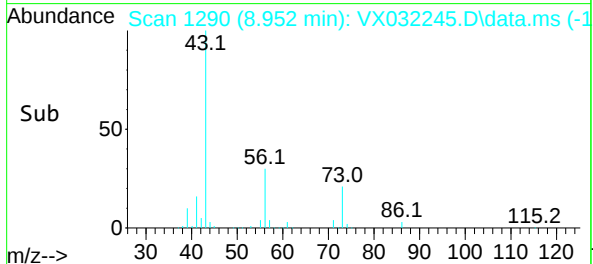
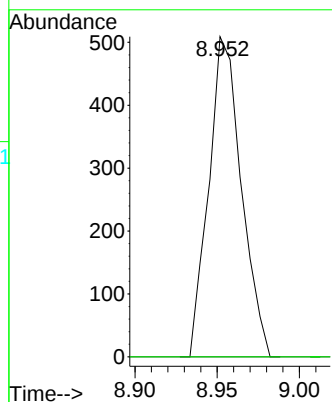
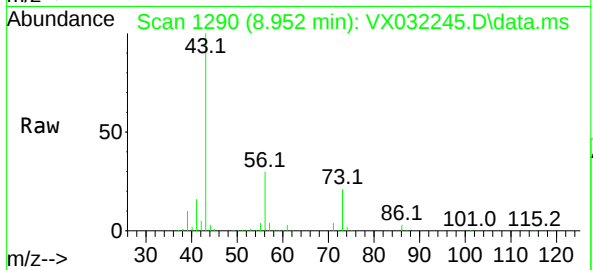




#53
 t-1,3-Dichloropropene
 Concen: 2.121 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX032245.D
 Acq: 20 Oct 2022 06:28

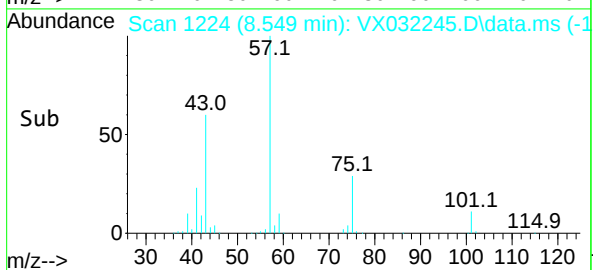
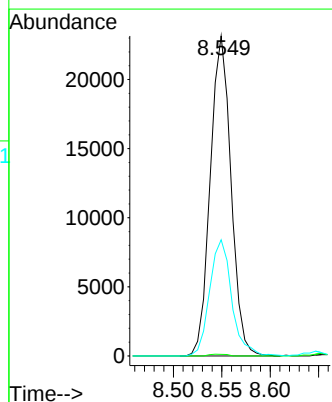
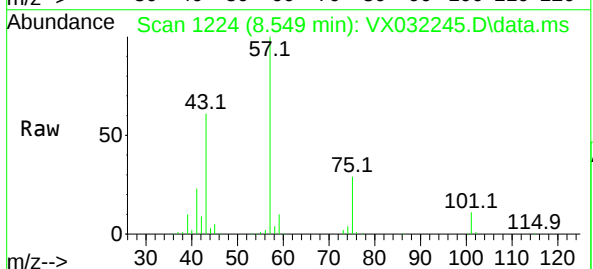
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#11

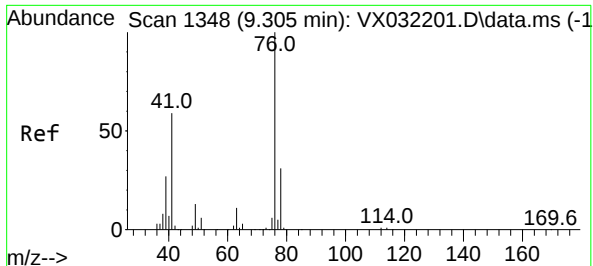
Tgt Ion: 75 Resp: 702
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#



#54
 cis-1,3-Dichloropropene
 Concen: 15.622 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX032245.D
 Acq: 20 Oct 2022 06:28

Tgt Ion: 75 Resp: 34572
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 36.3 42.4 63.6#





#57

1,3-Dichloropropane

Concen: 1.736 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

Instrument :

MSVOA_X

ClientSampleId :

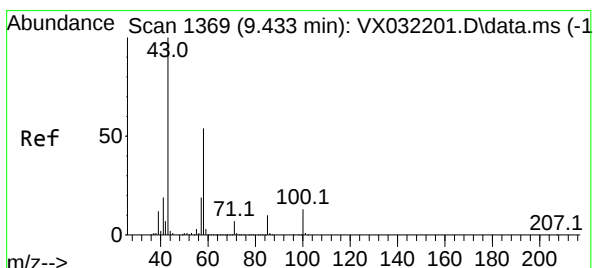
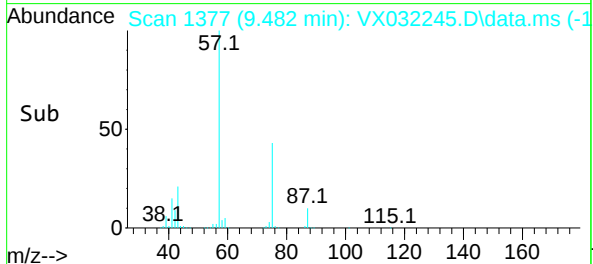
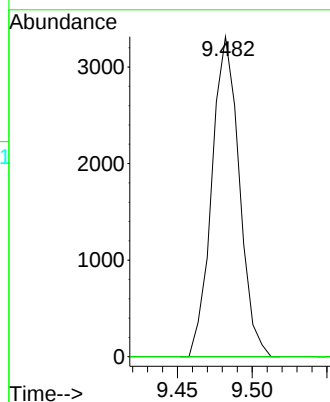
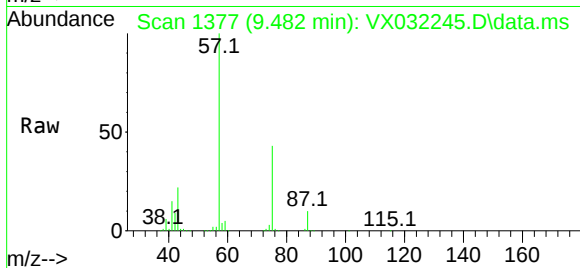
PB148361ZHE#11

Tgt Ion: 76 Resp: 4229

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 45.093 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX032245.D

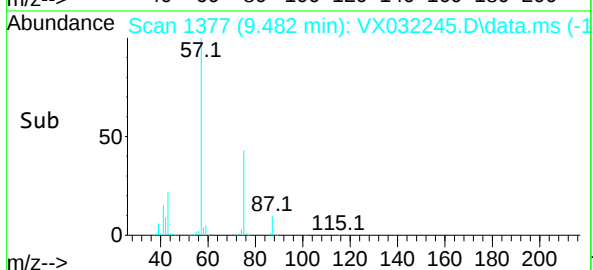
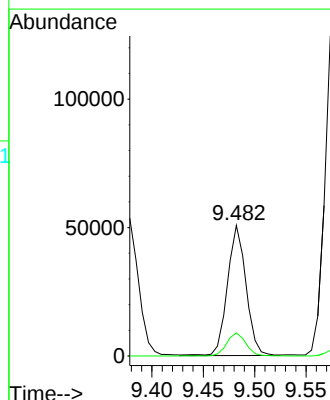
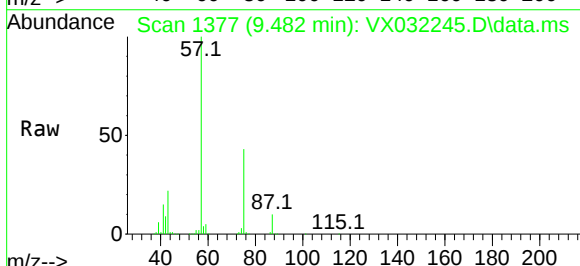
Acq: 20 Oct 2022 06:28

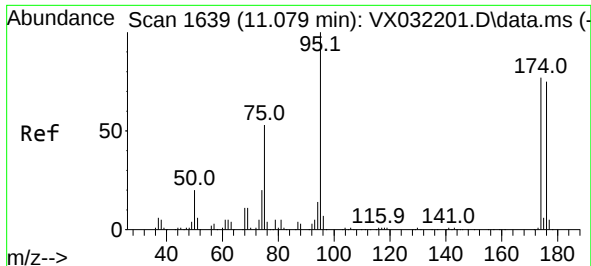
Tgt Ion: 43 Resp: 63902

Ion Ratio Lower Upper

43 100

58 18.2 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 46.467 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#11

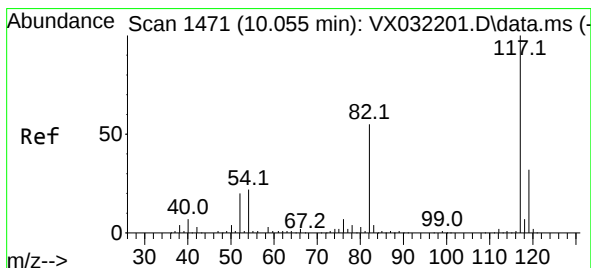
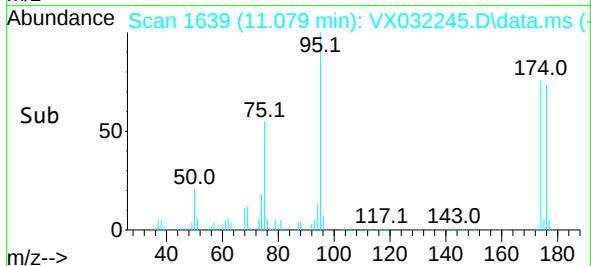
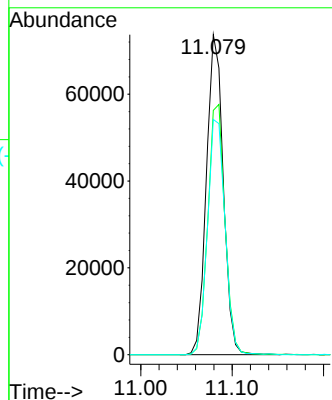
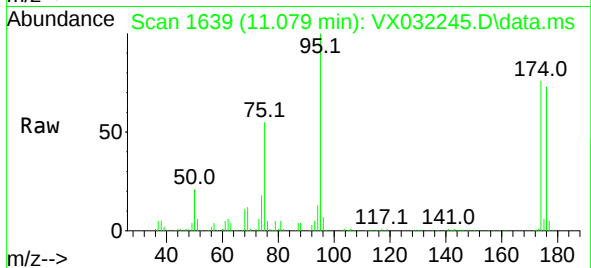
Tgt Ion: 95 Resp: 93877

Ion Ratio Lower Upper

95 100

174 79.6 0.0 166.8

176 76.7 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: VX032245.D

Acq: 20 Oct 2022 06:28

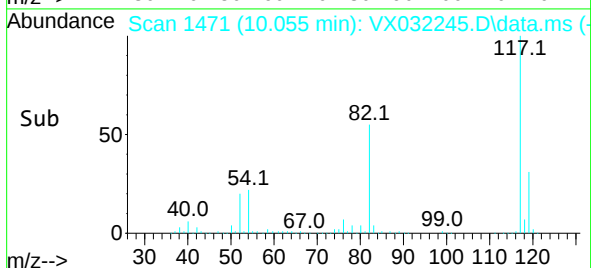
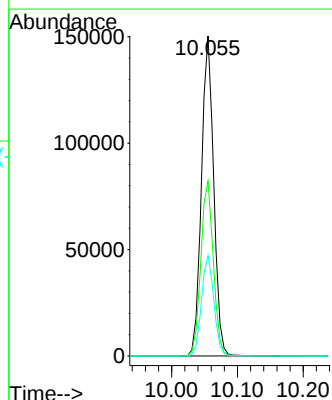
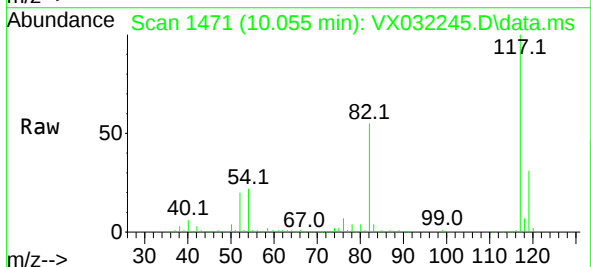
Tgt Ion: 117 Resp: 194727

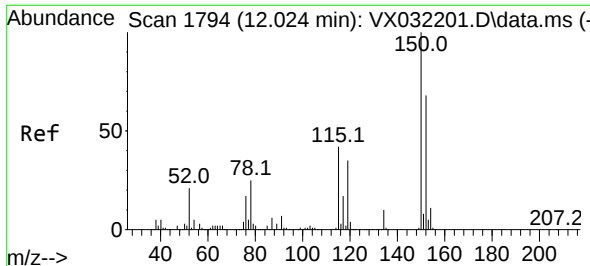
Ion Ratio Lower Upper

117 100

82 54.7 44.2 66.4

119 31.4 25.8 38.8

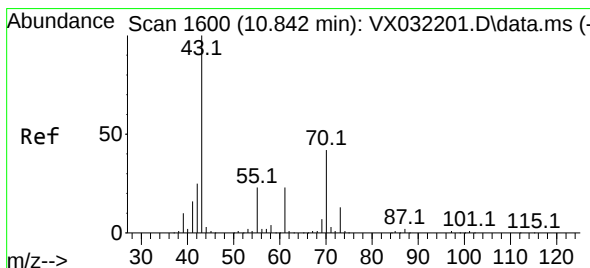
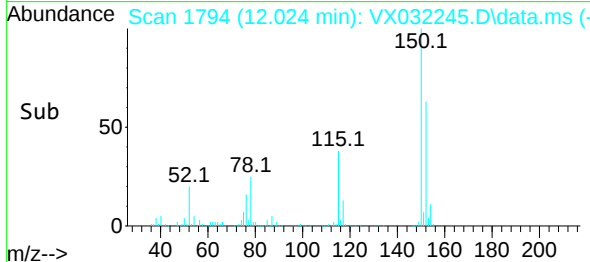
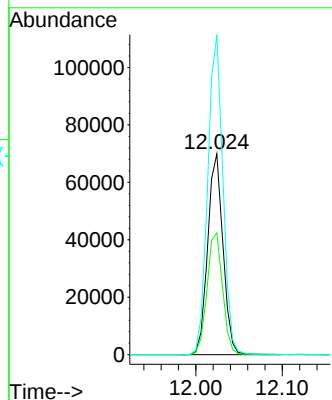
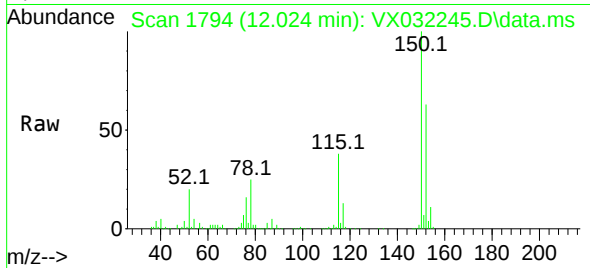




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

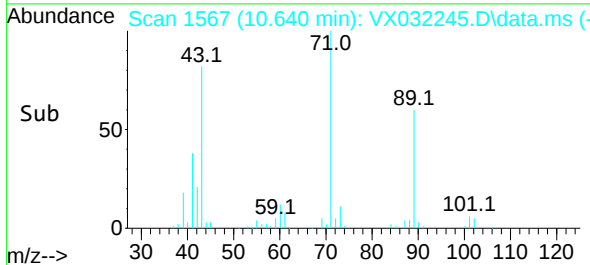
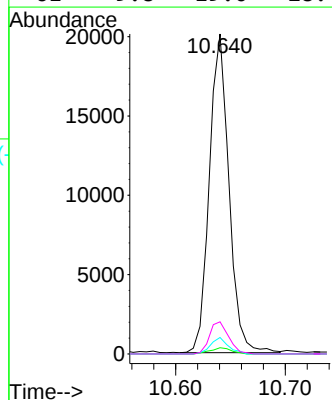
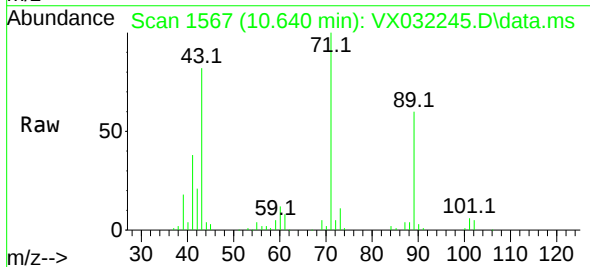
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#11

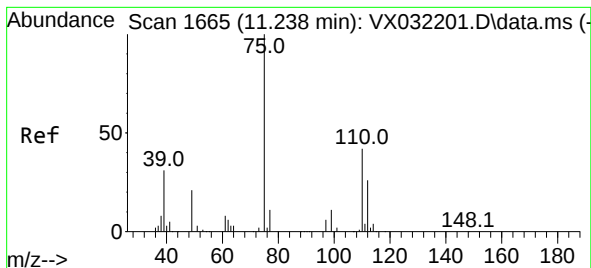
Tgt Ion:152 Resp: 85870
Ion Ratio Lower Upper
152 100
115 61.6 43.1 129.4
150 158.0 0.0 348.6



#74
N-amy1 acetate
Concen: 11.023 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX032245.D
Acq: 20 Oct 2022 06:28

Tgt Ion: 43 Resp: 24953
Ion Ratio Lower Upper
43 100
70 2.1 33.9 50.9#
55 4.7 19.1 28.7#
61 9.8 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 29.672 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

Instrument :

MSVOA_X

ClientSampleId :

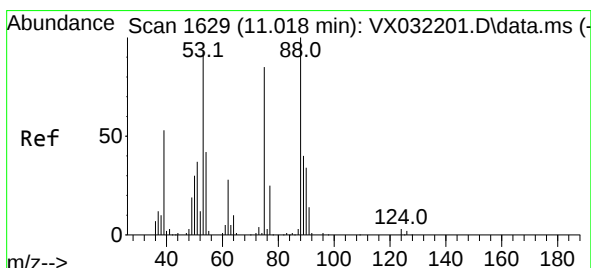
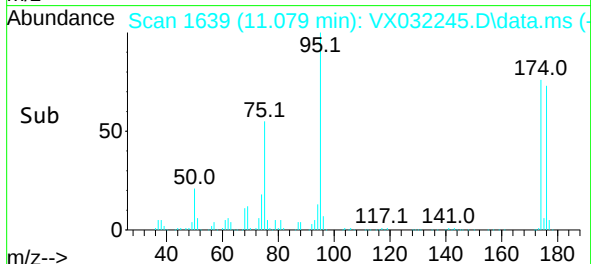
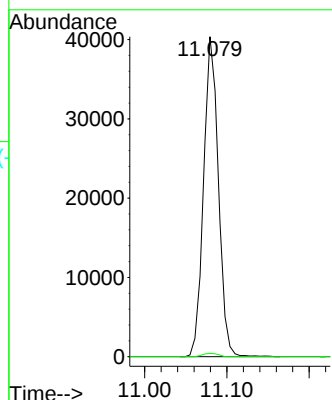
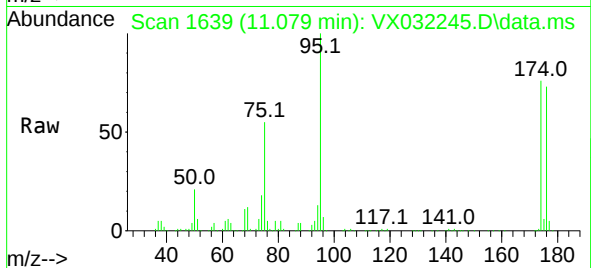
PB148361ZHE#11

Tgt Ion: 75 Resp: 50486

Ion Ratio Lower Upper

75 100

77 1.1 16.0 47.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.833 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032245.D

Acq: 20 Oct 2022 06:28

Tgt Ion: 75 Resp: 50486

Ion Ratio Lower Upper

75 100

53 0.0 87.8 131.8#

89 0.0 37.8 56.8#

