

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029924.D
 Acq On : 05 Jul 2022 16:39
 Operator : JC/MD
 Sample : PB145991ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#10

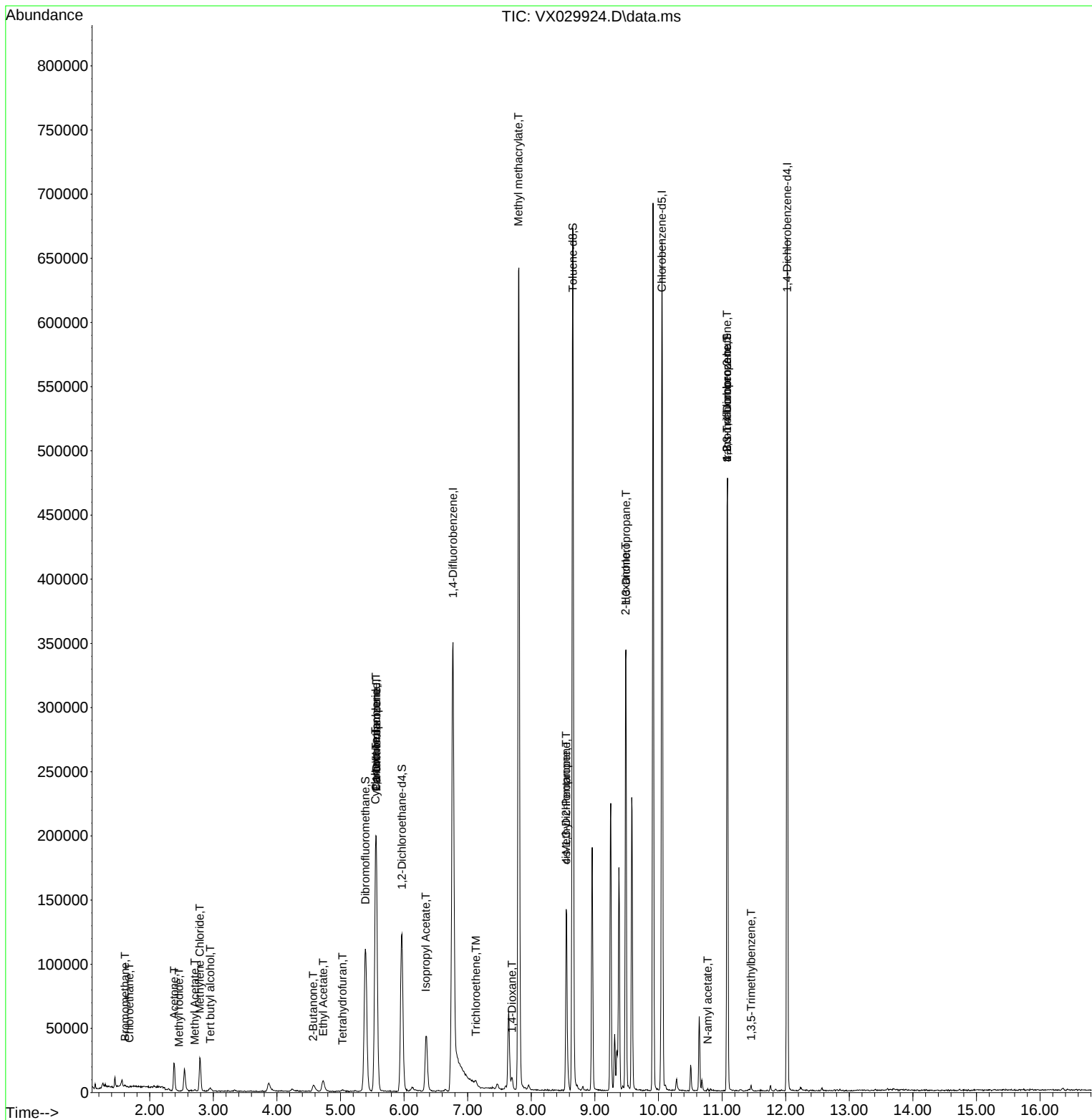
Quant Time: Jul 06 06:57:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	201465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	352083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111494	43.720	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.440%
35) Dibromofluoromethane	5.391	113	101481	46.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.240%
50) Toluene-d8	8.653	98	405588	49.135	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.280%
62) 4-Bromofluorobenzene	11.079	95	134958	46.253	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.500%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	371	0.299	ug/l	81
6) Chloroethane	1.678	64	153	1.127	ug/l #	41
10) Methyl Iodide	2.459	142	19	1.880	ug/l #	45
11) Tert butyl alcohol	2.953	59	2244	3.365	ug/l #	74
13) Acrolein	2.258	56	25	Below Cal	#	14
16) Acetone	2.386	43	22822	18.292	ug/l	97
18) Methyl Acetate	2.709	43	1201	0.312	ug/l	97
20) Methylene Chloride	2.788	84	11583	4.396	ug/l	94
25) 2-Butanone	4.568	43	6652	3.072	ug/l #	84
29) Tetrahydrofuran	5.032	42	1016	0.713	ug/l #	88
31) Cyclohexane	5.550	56	4000	1.125	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15628	5.340	ug/l #	47
37) Ethyl Acetate	4.727	43	15678	3.917	ug/l #	90
38) Carbon Tetrachloride	5.556	117	19439	7.666	ug/l #	20
43) Isopropyl Acetate	6.342	43	61245	10.162	ug/l	99
44) Trichloroethene	7.129	130	1226	0.481	ug/l	68
48) Methyl methacrylate	7.799	41	52732	18.453	ug/l #	41
49) 1,4-Dioxane	7.696	88	30	0.443	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	50382	12.677	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	23941	6.783	ug/l #	62
57) 1,3-Dichloropropane	9.488	76	3433	0.858	ug/l #	44
59) 2-Hexanone	9.482	43	39927	12.945	ug/l #	53
74) N-amyl acetate	10.774	43	1024	0.219	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	62350	19.943	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1629	0.208	ug/l	80
81) trans-1,4-Dichloro-2-b...	11.079	75	62350	63.333	ug/l #	13

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

Quant Time: Jul 06 06:57:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 05:54:51 2022
Response via : Initial Calibration

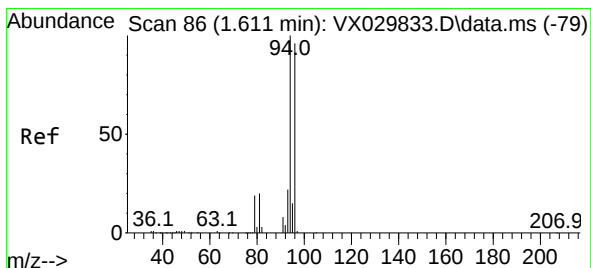
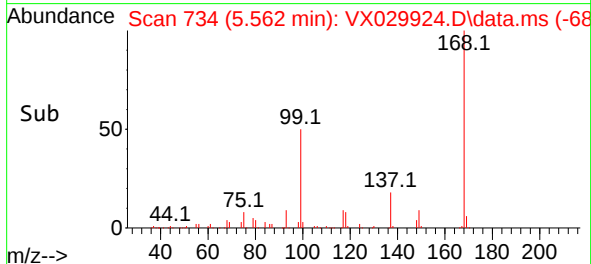
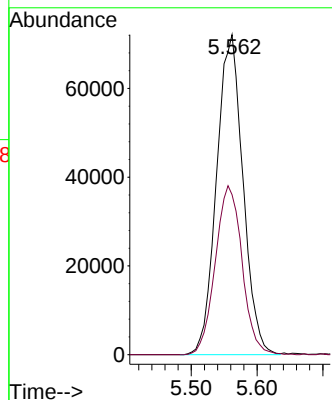
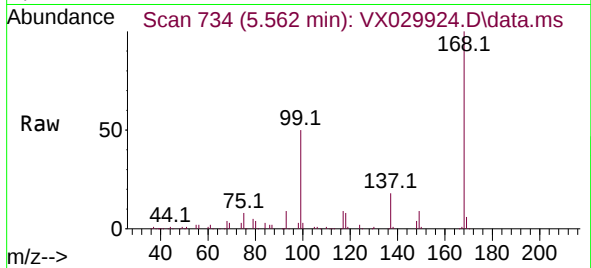




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

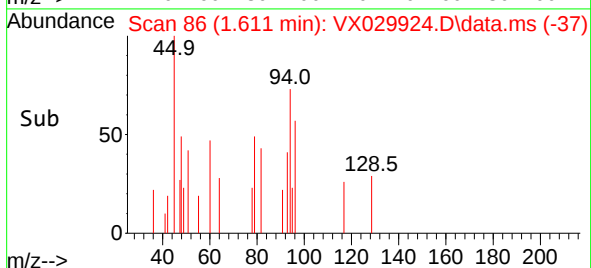
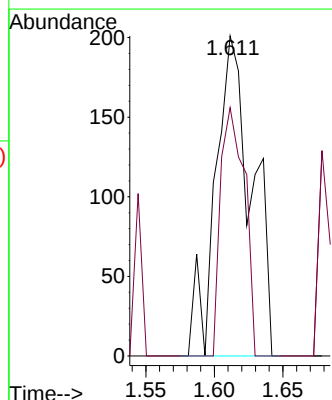
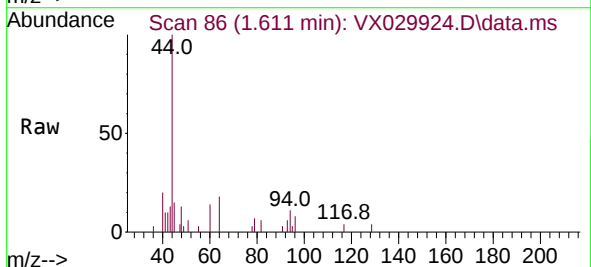
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

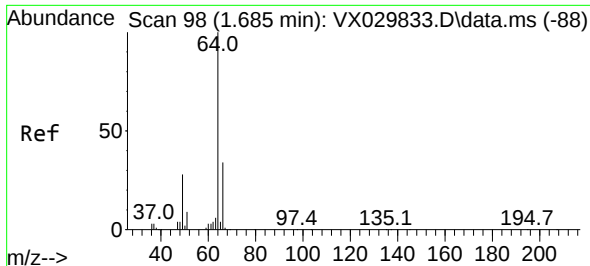
Tgt Ion:168 Resp: 201465
Ion Ratio Lower Upper
168 100
99 50.0 44.0 66.0



#5
Bromomethane
Concen: 0.299 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 77.6 76.9 115.3

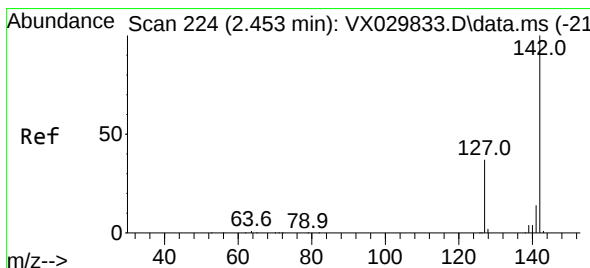
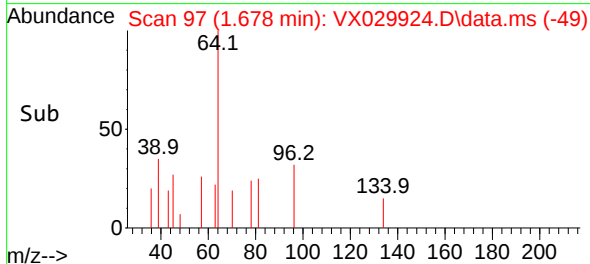
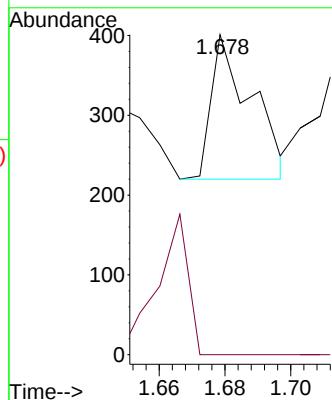
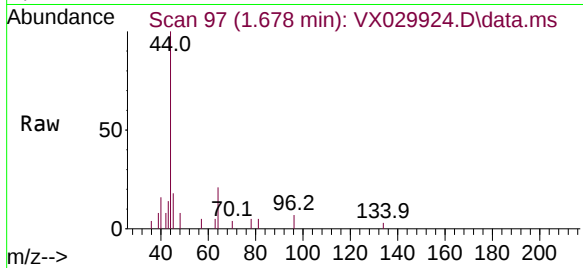




#6
Chloroethane
Concen: 1.127 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

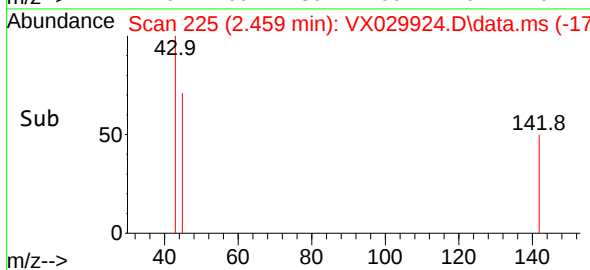
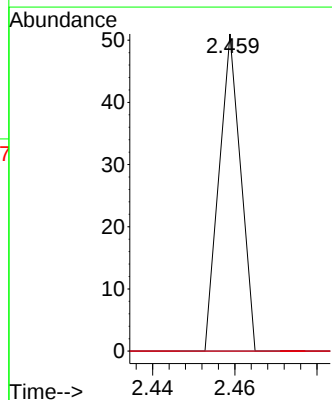
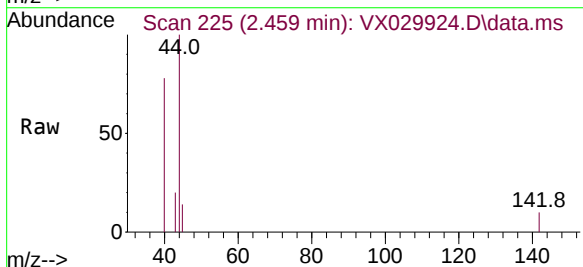
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

Tgt Ion: 64 Resp: 153
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.880 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

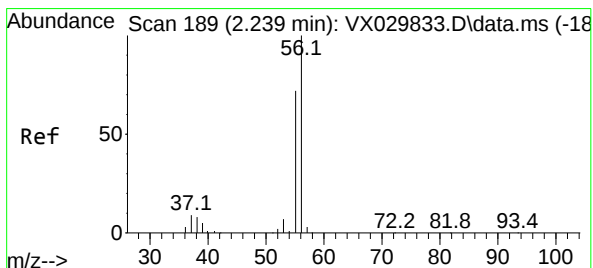
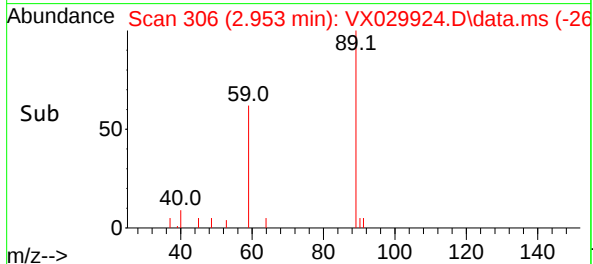
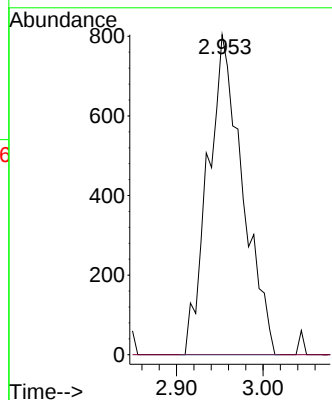
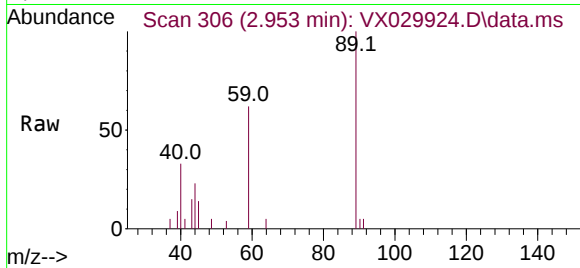




#11
Tert butyl alcohol
Concen: 3.365 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

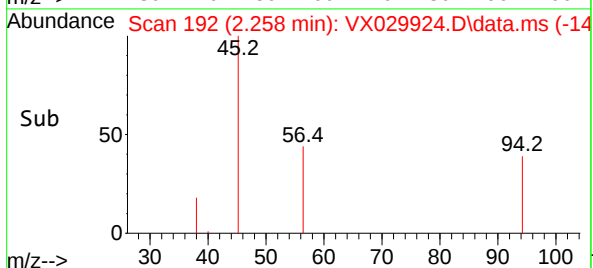
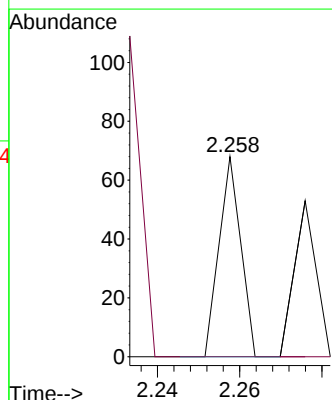
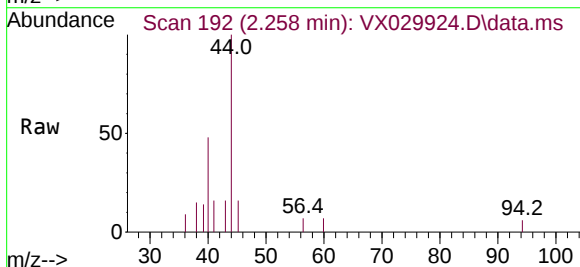
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

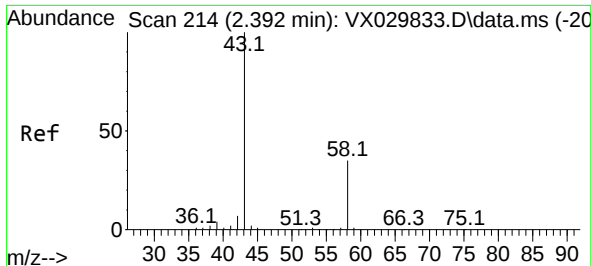
Tgt Ion: 59 Resp: 2244
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

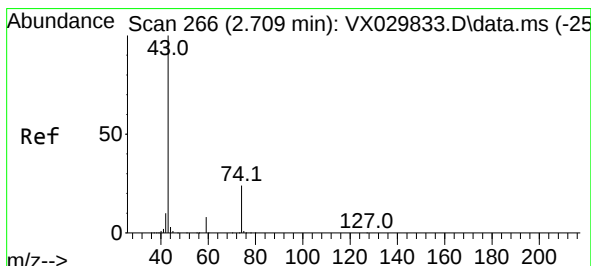
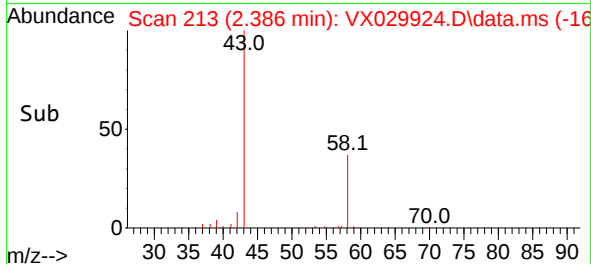
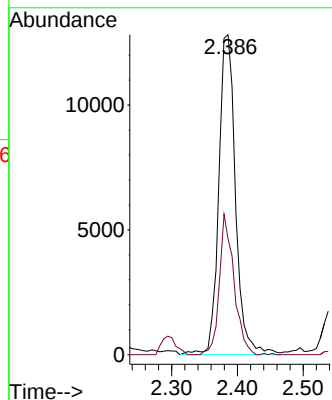
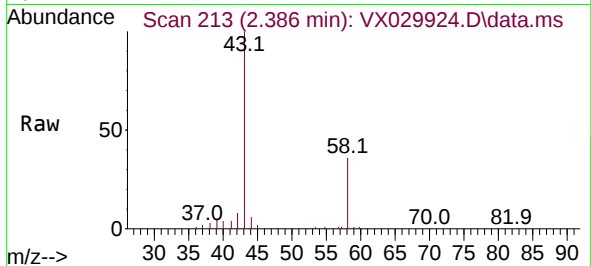




#16
Acetone
Concen: 18.292 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

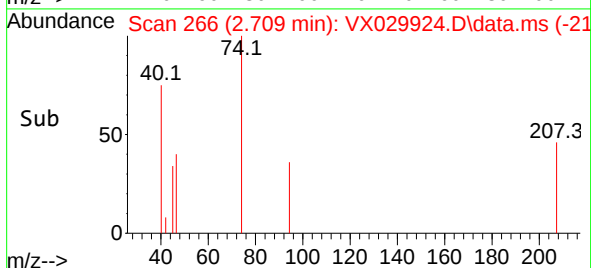
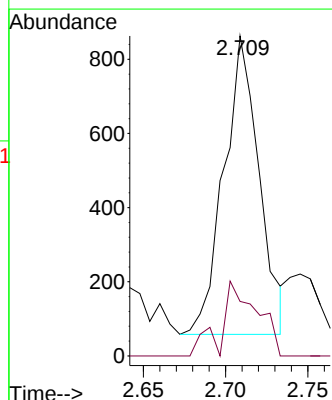
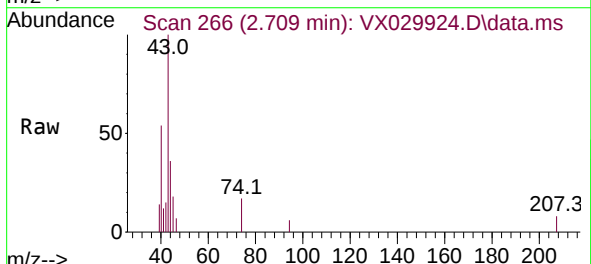
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

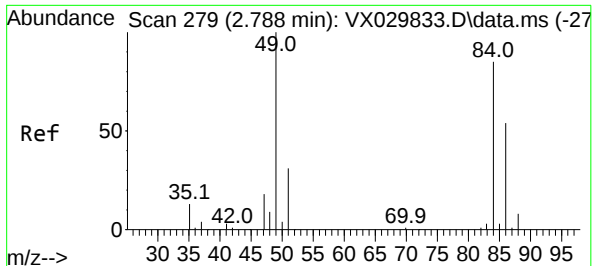
Tgt Ion: 43 Resp: 22822
Ion Ratio Lower Upper
43 100
58 36.2 27.7 41.5



#18
Methyl Acetate
Concen: 0.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.2



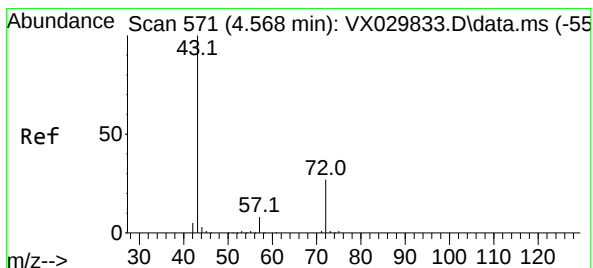
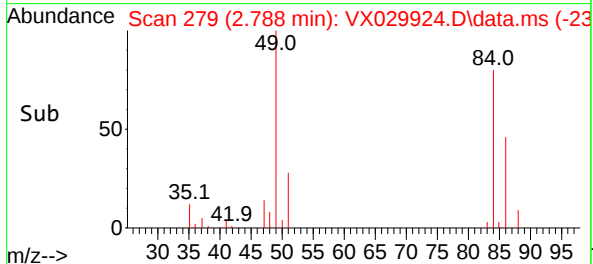
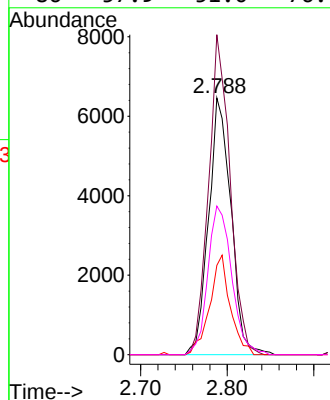
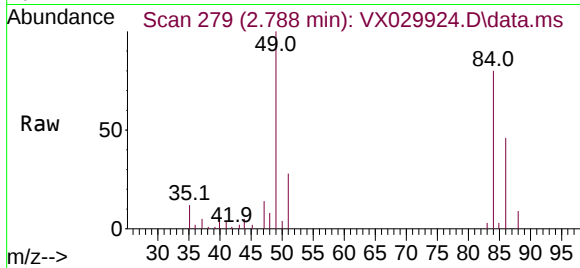


#20
Methylene Chloride
Concen: 4.396 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

Tgt Ion: 84 Resp: 11583

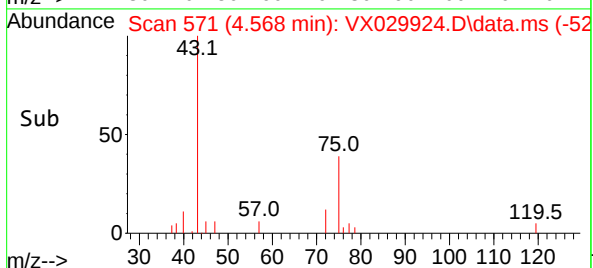
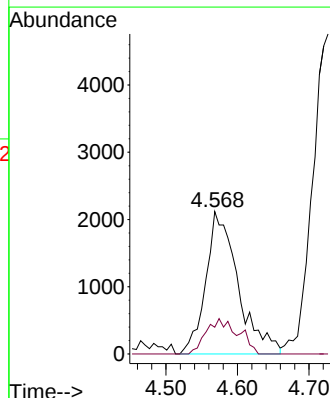
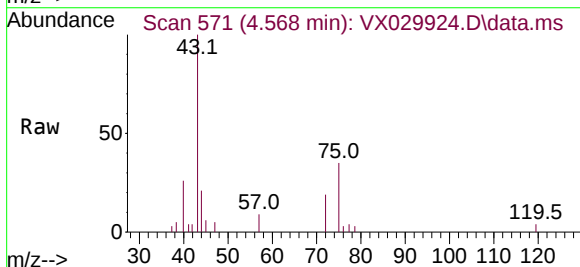
Ion	Ratio	Lower	Upper
84	100		
49	124.6	93.8	140.6
51	34.7	29.4	44.0
86	57.9	51.0	76.4

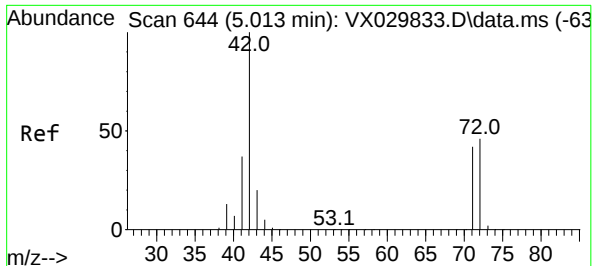


#25
2-Butanone
Concen: 3.072 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 43 Resp: 6652

Ion	Ratio	Lower	Upper
43	100		
72	18.8	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.713 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#10

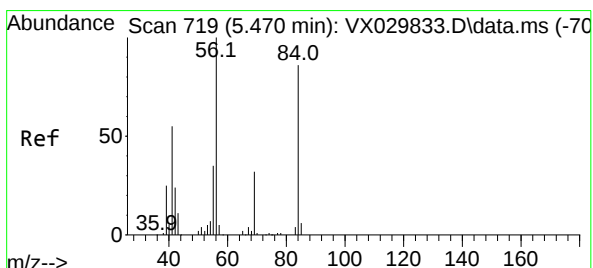
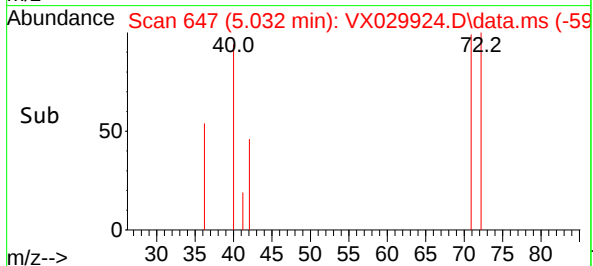
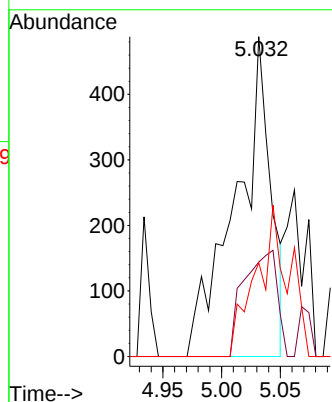
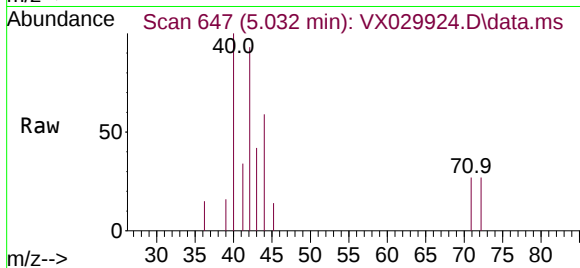
Tgt Ion: 42 Resp: 1016

Ion Ratio Lower Upper

42 100

72 31.5 36.5 54.7#

71 43.6 33.9 50.9



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

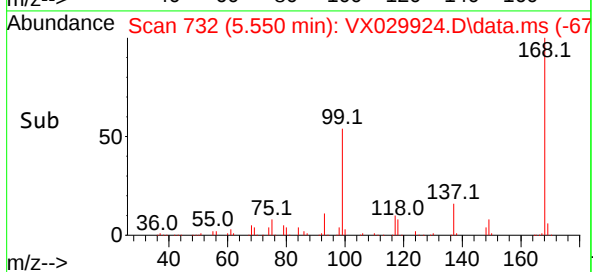
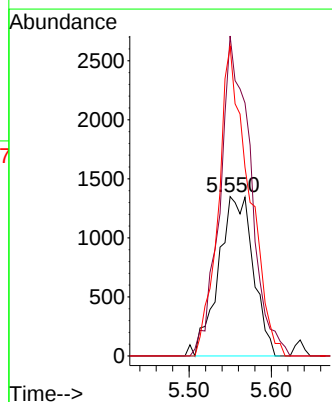
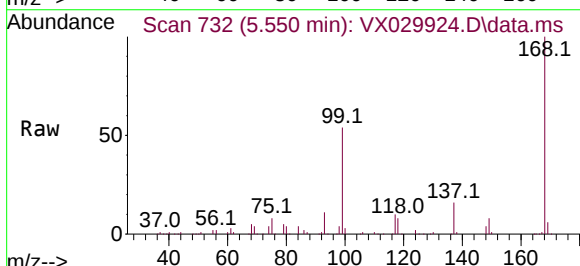
Tgt Ion: 56 Resp: 4000

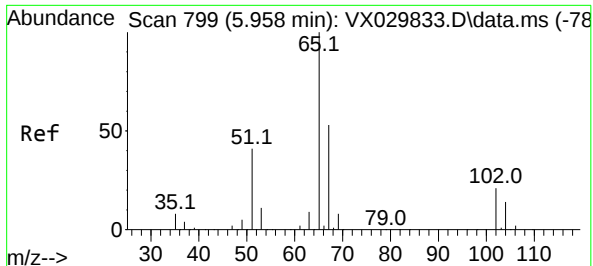
Ion Ratio Lower Upper

56 100

69 200.7 25.4 38.0#

84 194.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.720 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

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ClientSampleId :

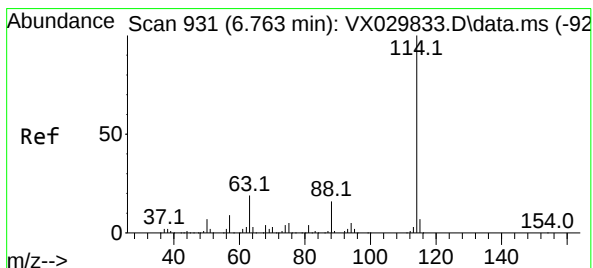
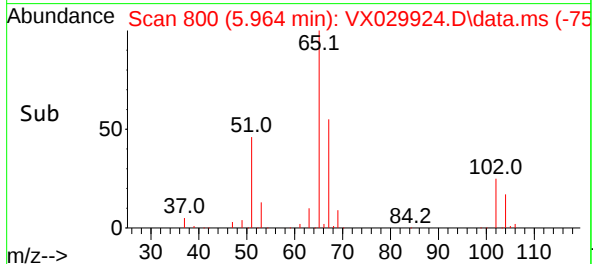
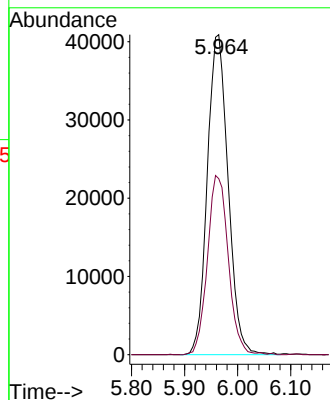
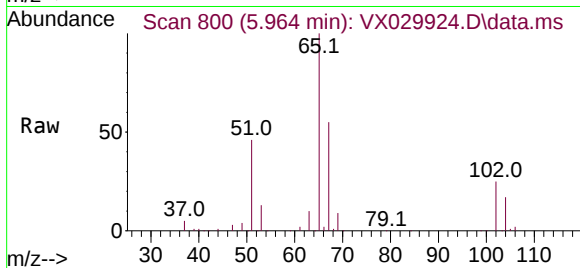
PB145991ZHE#10

Tgt Ion: 65 Resp: 111494

Ion Ratio Lower Upper

65 100

67 56.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

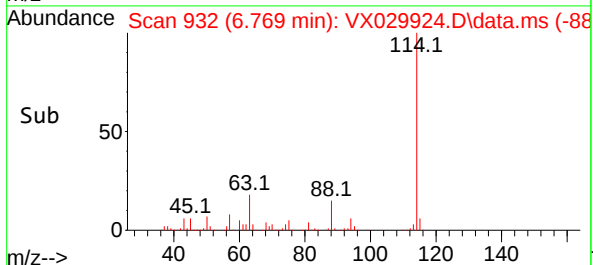
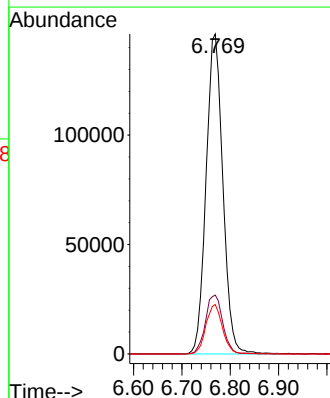
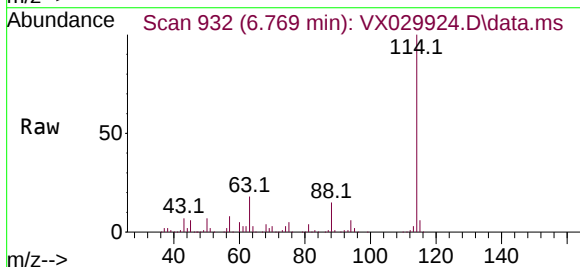
Tgt Ion: 114 Resp: 352083

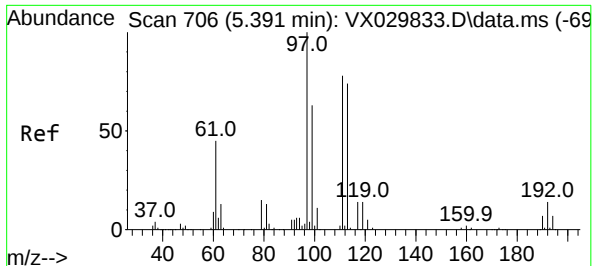
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.121 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029924.D

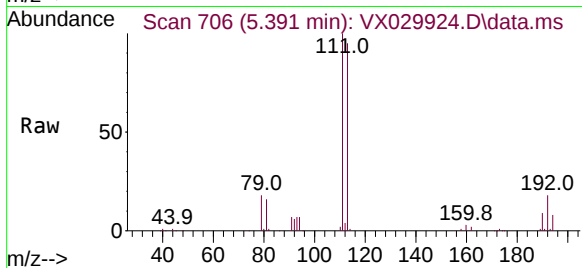
Acq: 05 Jul 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#10



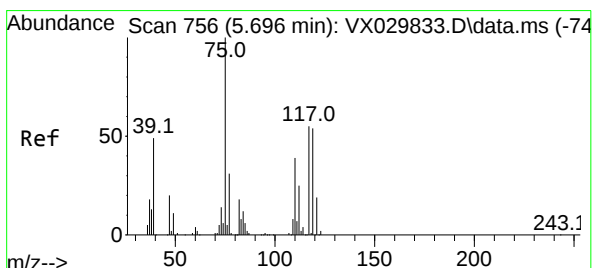
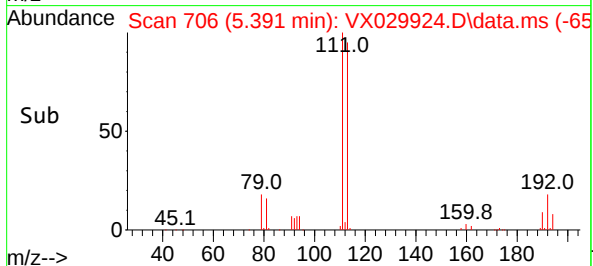
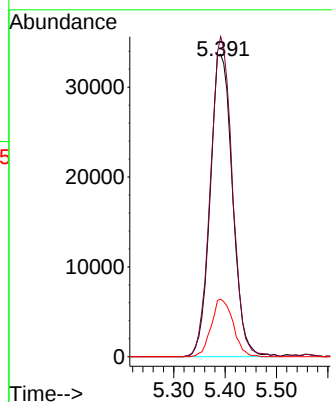
Tgt Ion:113 Resp: 101481

Ion Ratio Lower Upper

113 100

111 103.8 83.2 124.8

192 18.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.340 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

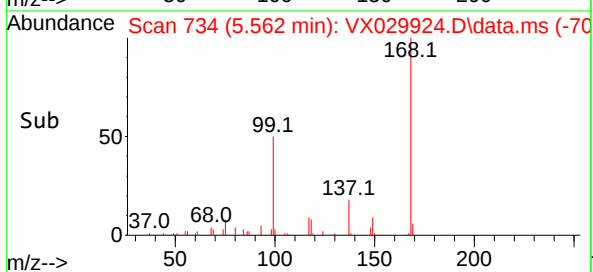
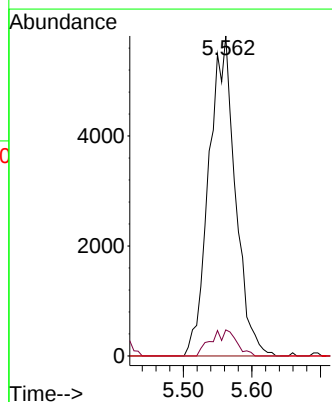
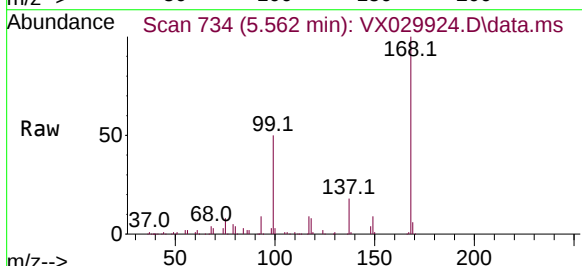
Tgt Ion: 75 Resp: 15628

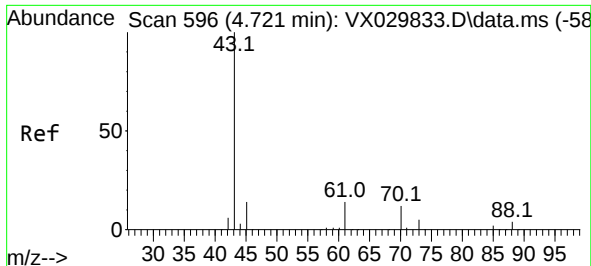
Ion Ratio Lower Upper

75 100

110 7.8 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.917 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX029924.D

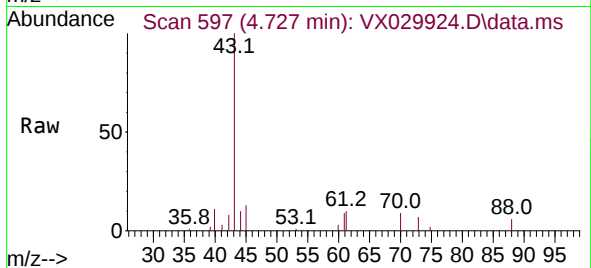
Acq: 05 Jul 2022 16:39

Instrument :

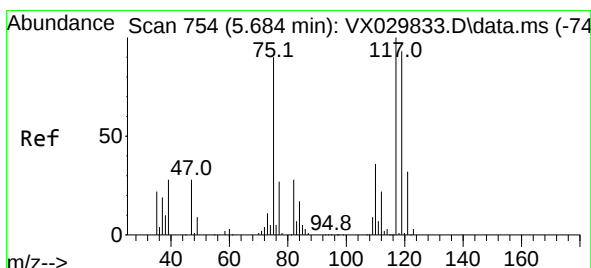
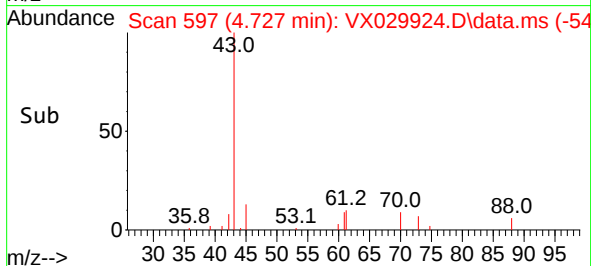
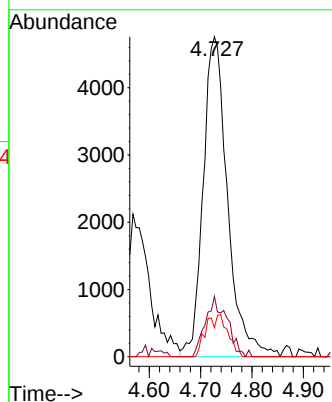
MSVOA_X

ClientSampleId :

PB145991ZHE#10



Tgt Ion:	43	Resp:	15678
Ion Ratio	Lower	Upper	
43	100		
61	16.7	11.7	17.5
70	5.4	9.3	13.9



#38

Carbon Tetrachloride

Concen: 7.666 ug/l

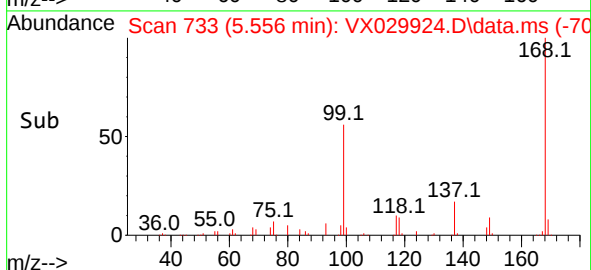
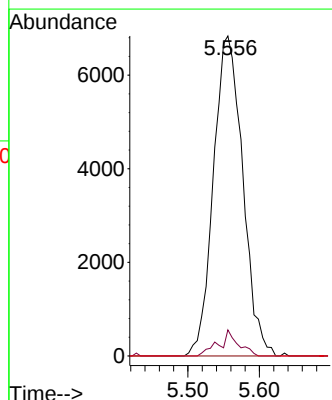
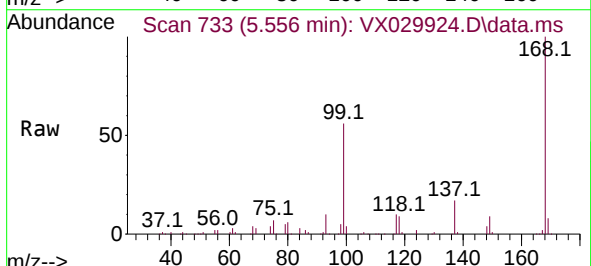
RT: 5.556 min Scan# 733

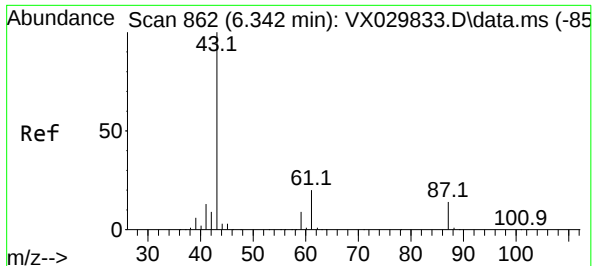
Delta R.T. -0.128 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

Tgt Ion:	117	Resp:	19439
Ion Ratio	Lower	Upper	
117	100		
119	8.2	74.1	111.1
121	0.0	25.8	38.8

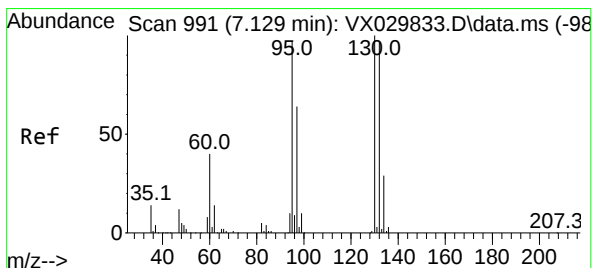
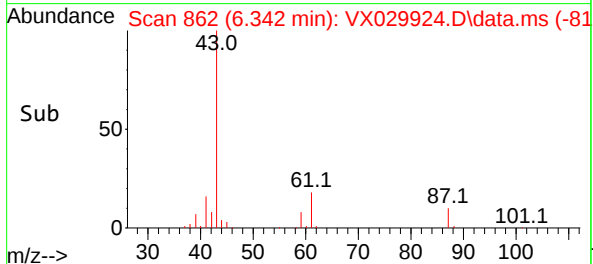
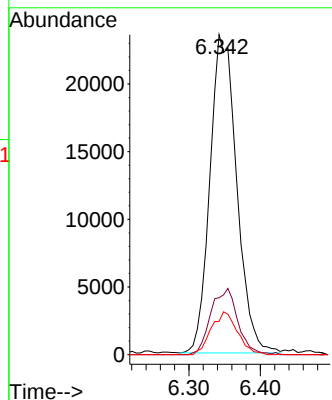
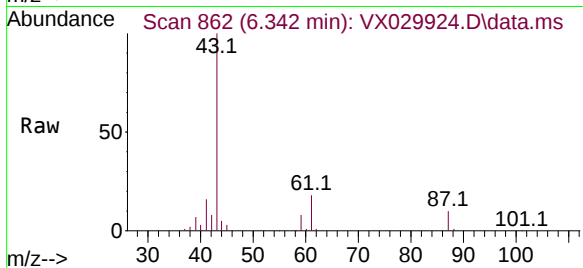




#43
Isopropyl Acetate
Concen: 10.162 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

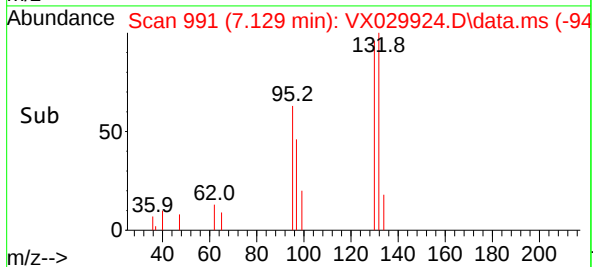
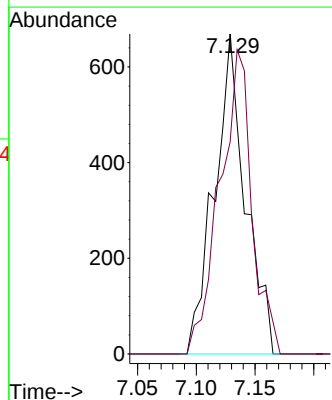
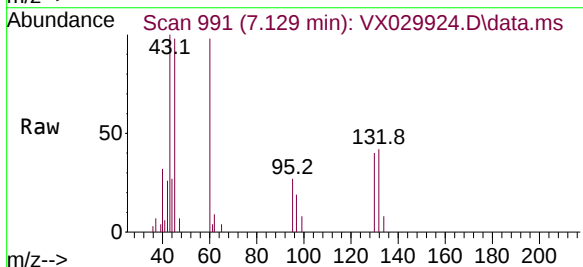
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

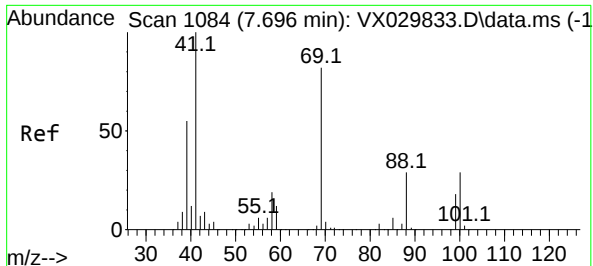
Tgt Ion: 43 Resp: 61245
Ion Ratio Lower Upper
43 100
61 21.0 16.5 24.7
87 13.2 11.1 16.7



#44
Trichloroethene
Concen: 0.481 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 130 Resp: 1226
Ion Ratio Lower Upper
130 100
95 66.2 0.0 194.8





#48

Methyl methacrylate

Concen: 18.453 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#10

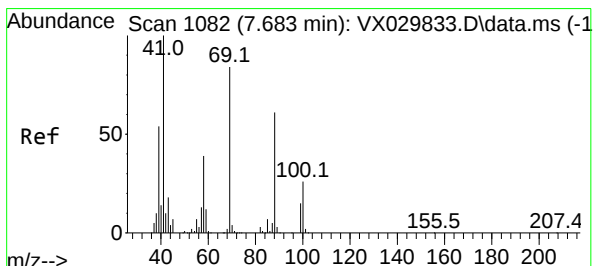
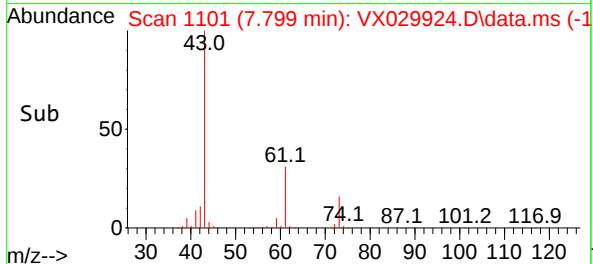
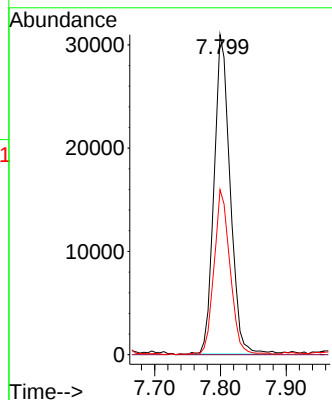
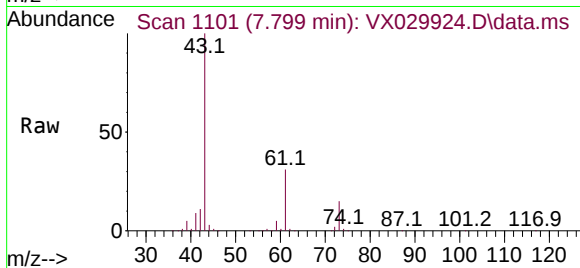
Tgt Ion: 41 Resp: 52732

Ion Ratio Lower Upper

41 100

69 0.0 68.8 103.2#

39 51.7 44.6 66.8



#49

1,4-Dioxane

Concen: 0.443 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.012 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

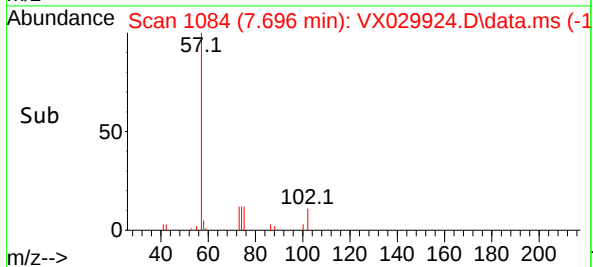
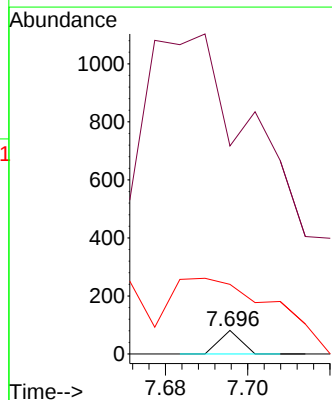
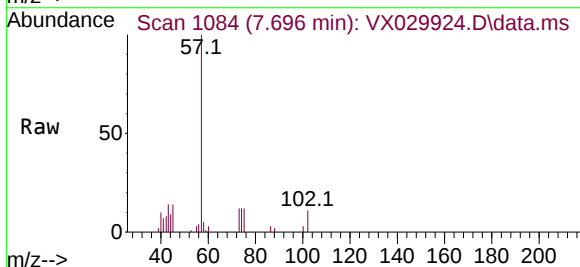
Tgt Ion: 88 Resp: 30

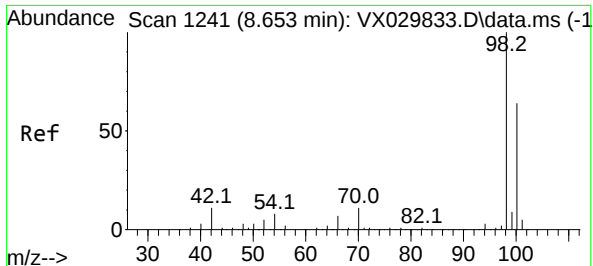
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 1486.7 53.8 80.6#

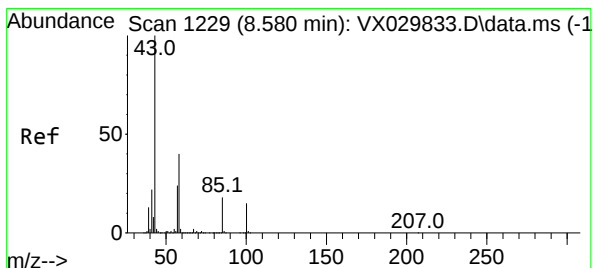
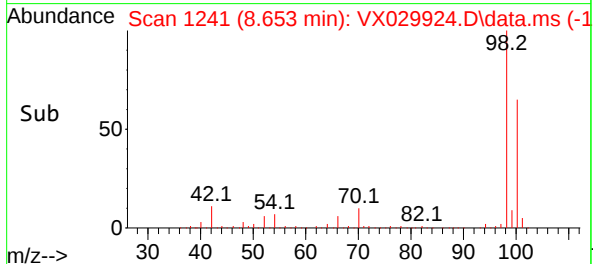
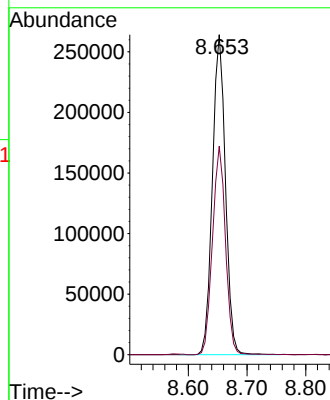
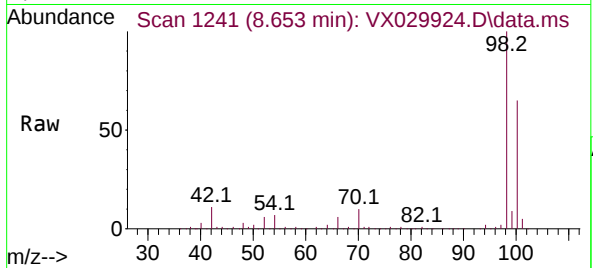




#50
Toluene-d8
Concen: 49.135 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

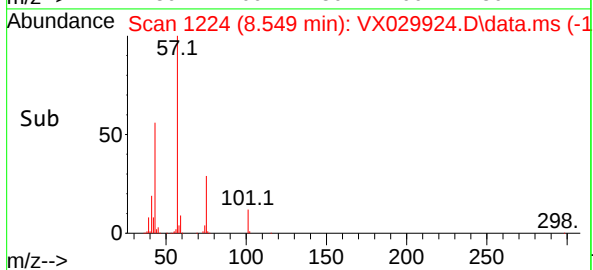
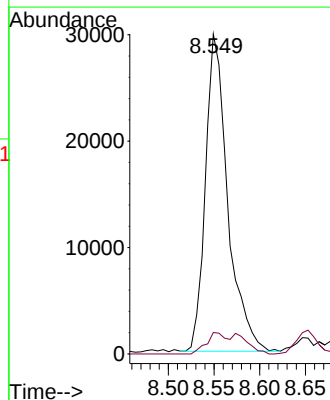
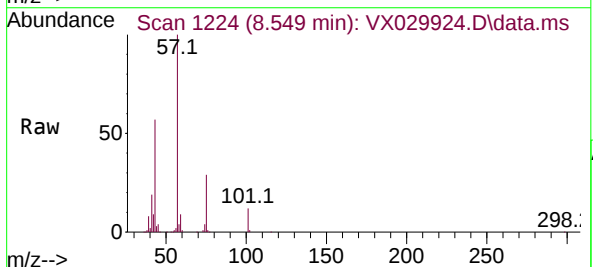
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

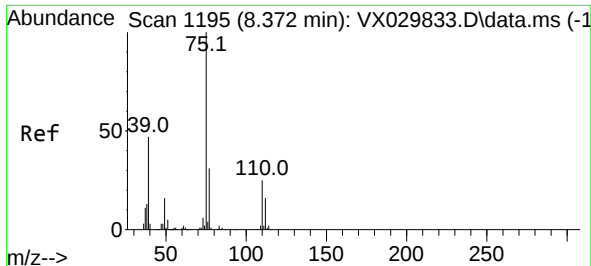
Tgt Ion: 98 Resp: 405588
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 12.677 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

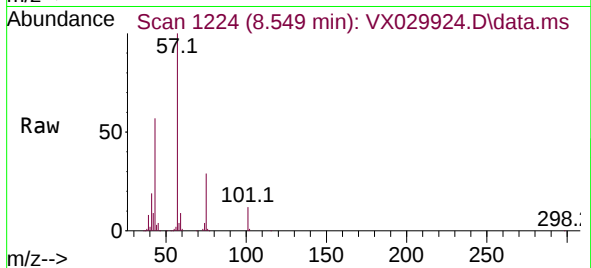
Tgt Ion: 43 Resp: 50382
Ion Ratio Lower Upper
43 100
58 6.5 31.4 47.2#



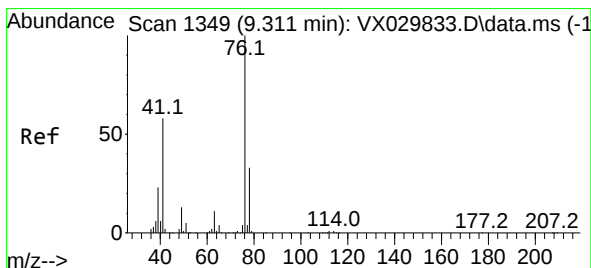
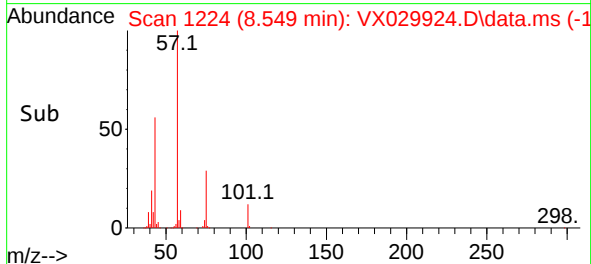
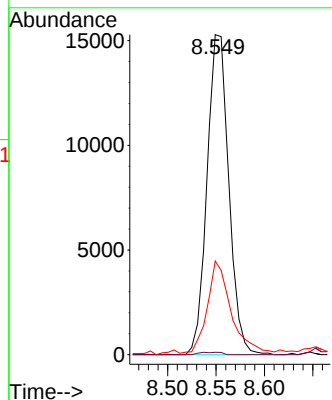


#54
cis-1,3-Dichloropropene
Concen: 6.783 ug/l
RT: 8.549 min Scan# 1195
Delta R.T. 0.177 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

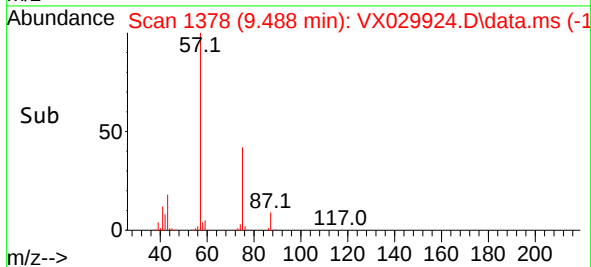
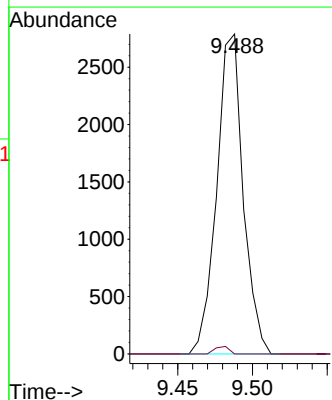
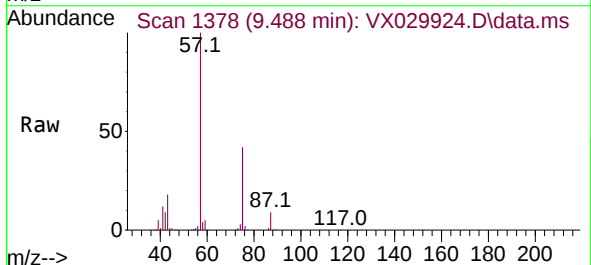


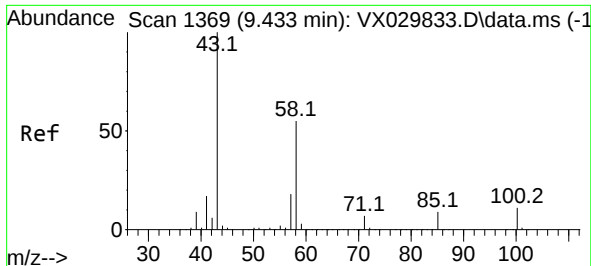
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.7	25.0	37.4#
39	28.9	37.5	56.3#



#57
1,3-Dichloropropane
Concen: 0.858 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion	Ratio	Lower	Upper
76	100		
78	1.3	25.9	38.9#





#59

2-Hexanone

Concen: 12.945 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

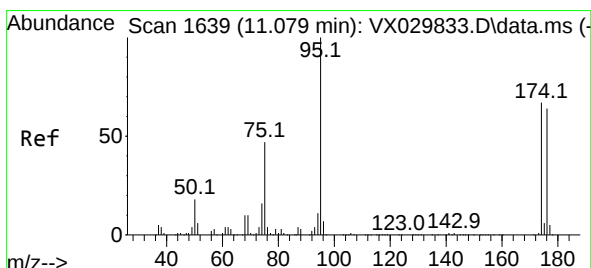
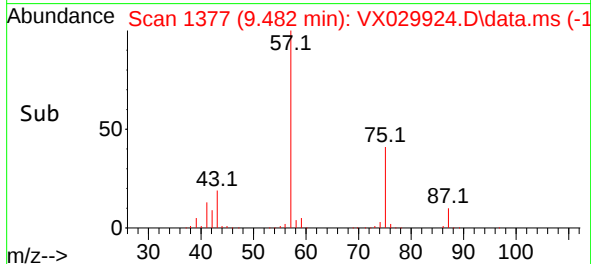
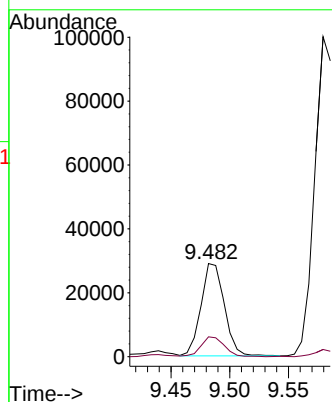
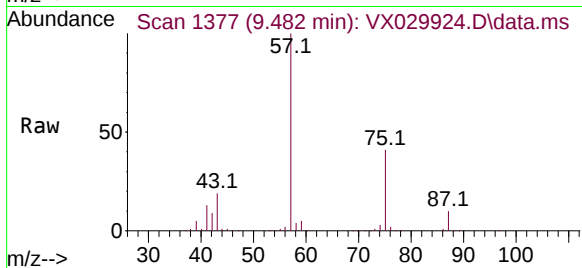
PB145991ZHE#10

Tgt Ion: 43 Resp: 39927

Ion Ratio Lower Upper

43 100

58 21.5 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 46.253 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX029924.D

Acq: 05 Jul 2022 16:39

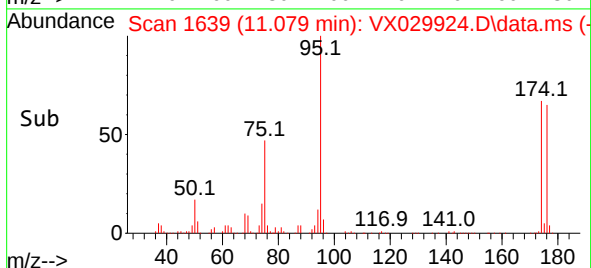
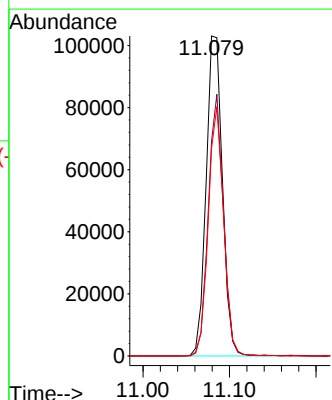
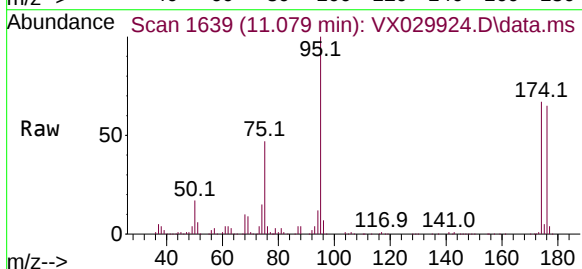
Tgt Ion: 95 Resp: 134958

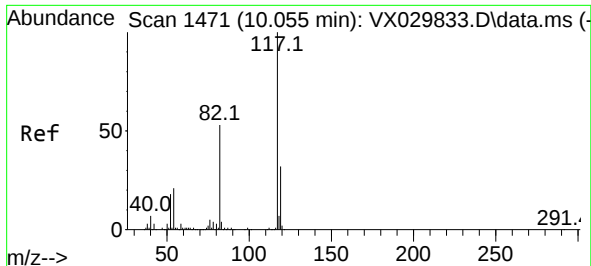
Ion Ratio Lower Upper

95 100

174 75.9 0.0 149.0

176 73.0 0.0 146.0

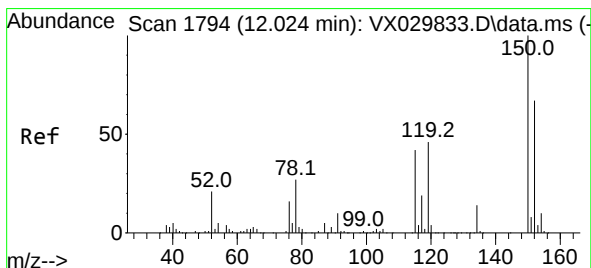
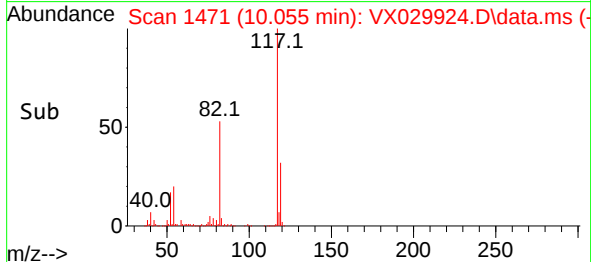
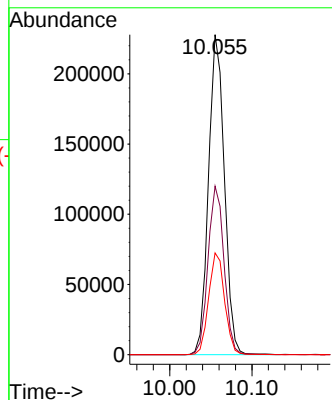
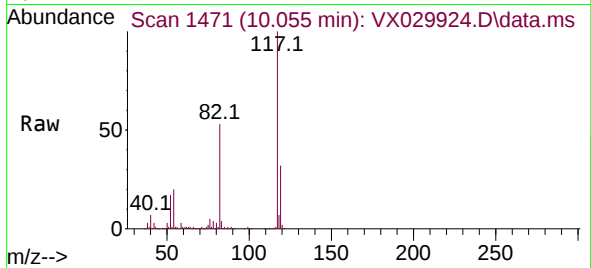




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

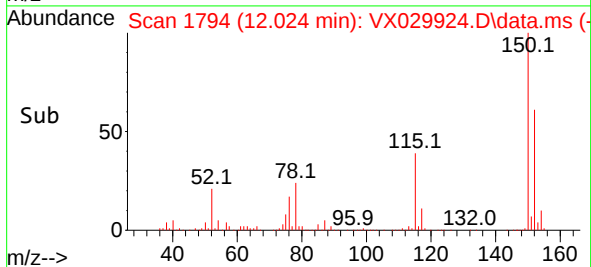
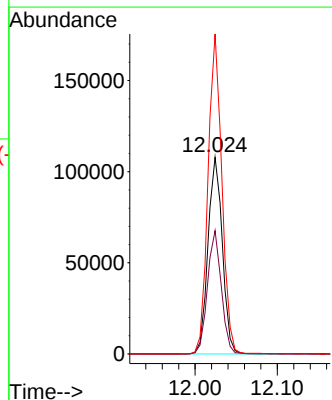
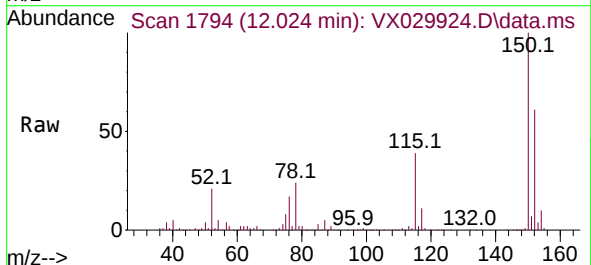
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

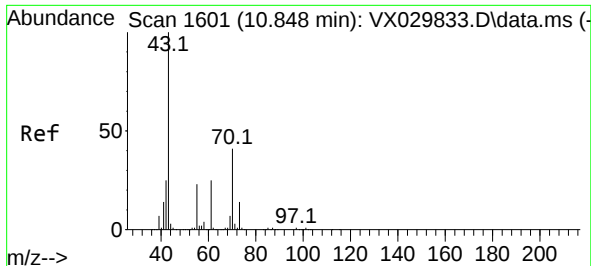
Tgt Ion:117 Resp: 305579
Ion Ratio Lower Upper
117 100
82 52.7 42.7 64.1
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

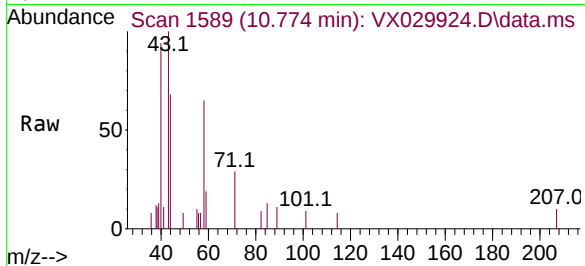
Tgt Ion:152 Resp: 130604
Ion Ratio Lower Upper
152 100
115 60.6 40.5 121.5
150 156.7 0.0 347.0



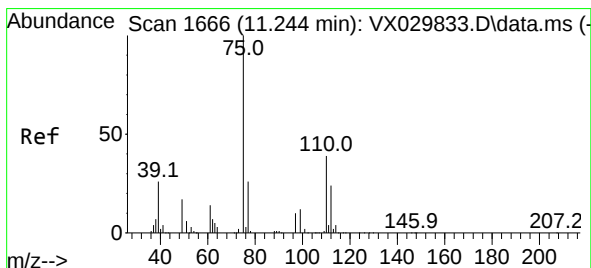
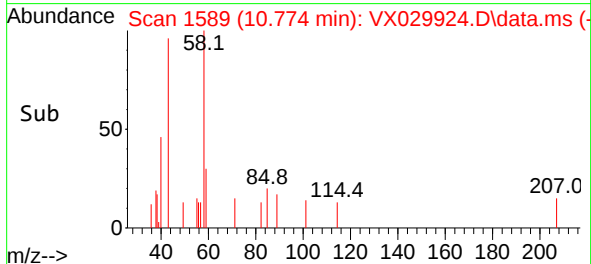
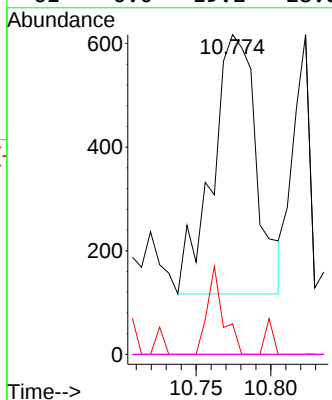


#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.073 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

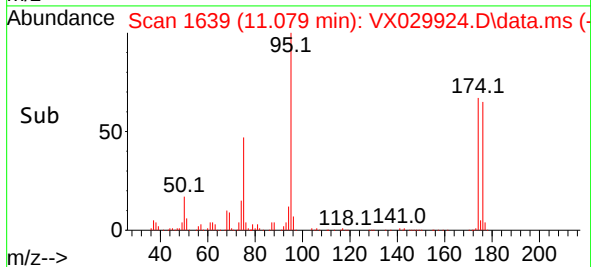
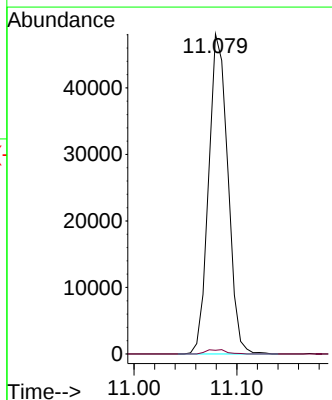
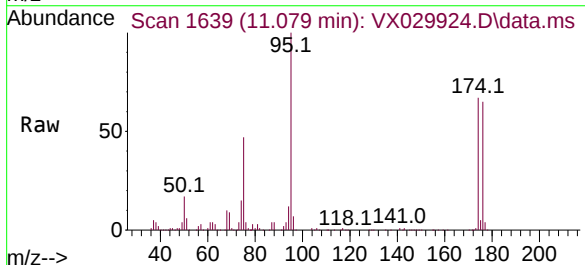


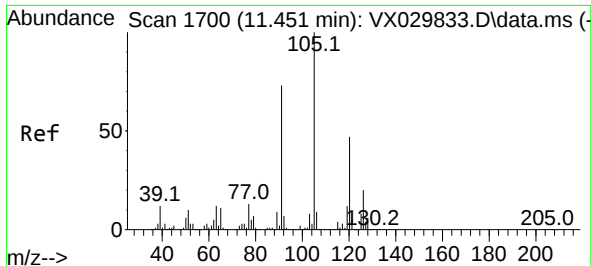
Tgt Ion: 43	Resp: 1024
Ion Ratio	Lower Upper
43 100	
70 0.0	32.3 48.5#
55 12.4	18.4 27.6#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 19.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 75	Resp: 62350
Ion Ratio	Lower Upper
75 100	
77 1.4	19.8 59.3#

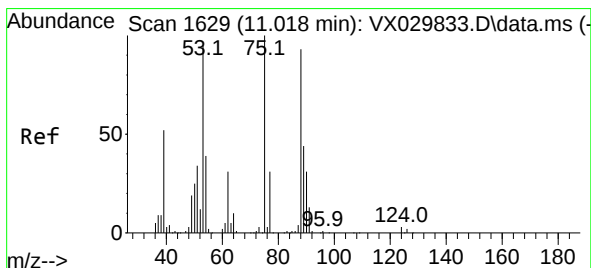
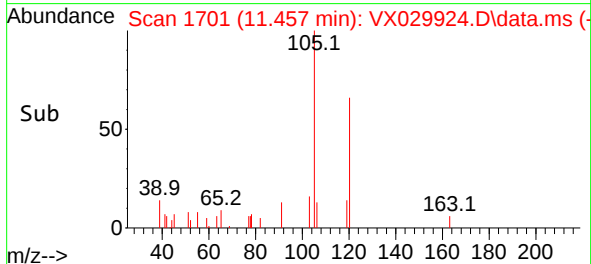
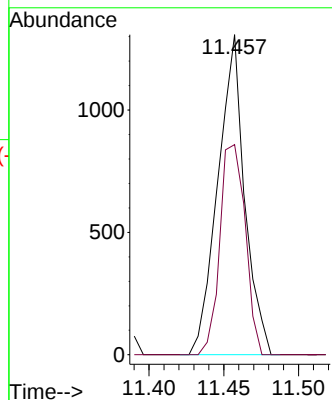
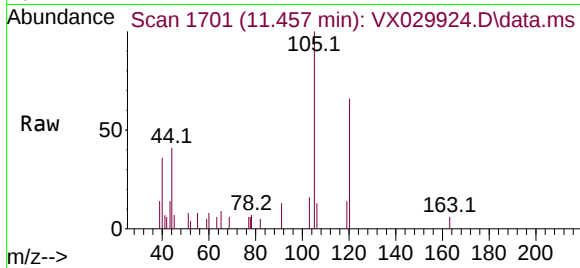




#80
1,3,5-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.457 min Scan# 1629
Delta R.T. 0.006 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#10

Tgt Ion:105 Resp: 1629
Ion Ratio Lower Upper
105 100
120 62.2 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 63.333 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029924.D
Acq: 05 Jul 2022 16:39

Tgt Ion: 75 Resp: 62350
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

