

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
 Data File : VX030255.D
 Acq On : 28 Jul 2022 01:13
 Operator : JC/MD
 Sample : PB146425ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146425ZHE#02

Quant Time: Jul 28 05:56:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

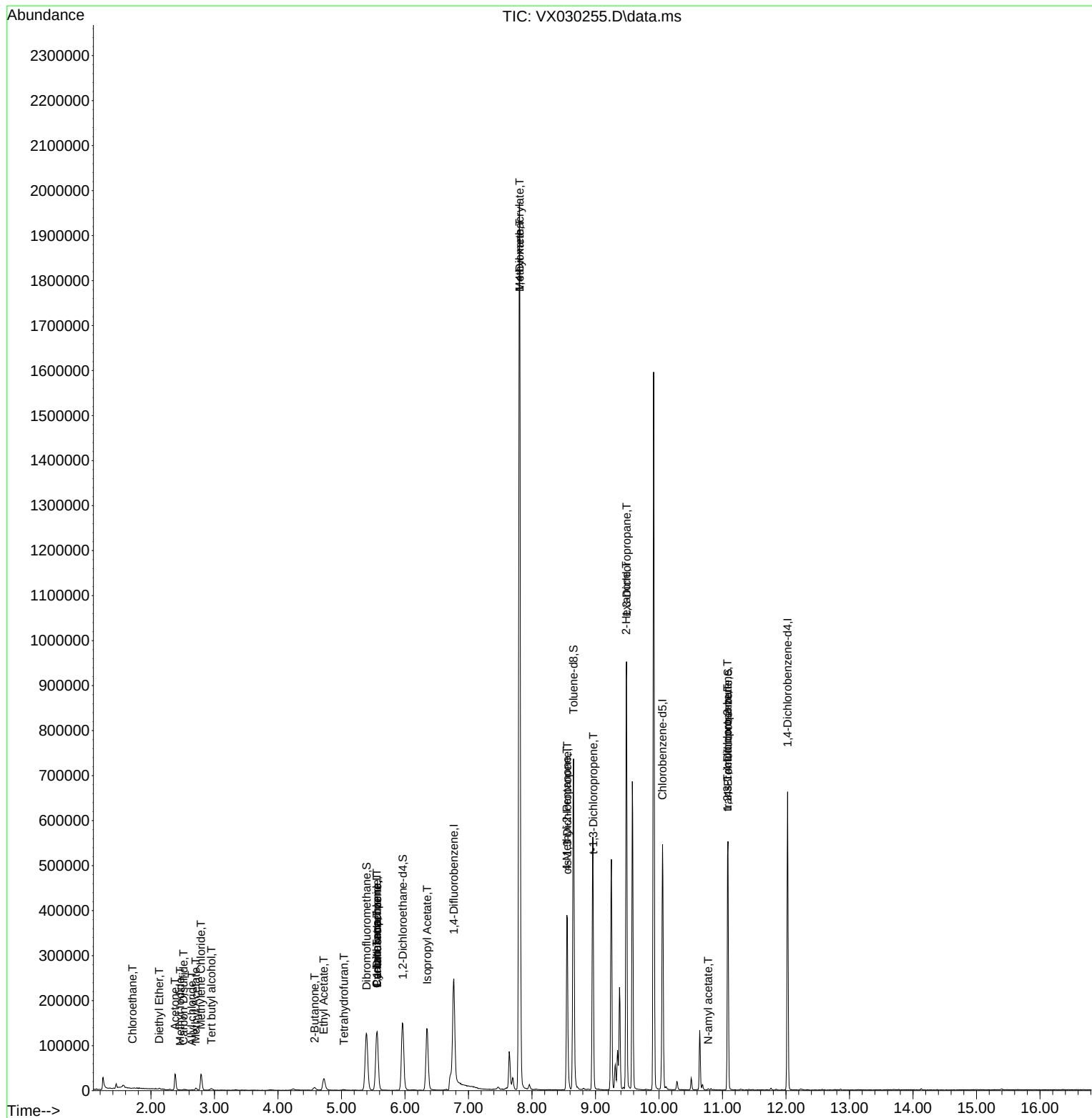
Internal Standards						
1) Pentafluorobenzene	5.562	168	124209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	226927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	144888	58.036	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.080%			
35) Dibromofluoromethane	5.397	113	116178	53.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.120%			
50) Toluene-d8	8.653	98	427149	50.845	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.700%			
62) 4-Bromofluorobenzene	11.085	95	151352	48.544	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.080%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	276	Below Cal	#	38
6) Chloroethane	1.709	64	475	0.407	ug/l #	56
8) Diethyl Ether	2.130	74	368	0.351	ug/l	99
10) Methyl Iodide	2.459	142	338	1.694	ug/l #	54
11) Tert butyl alcohol	2.953	59	2981	4.895	ug/l #	85
14) Allyl chloride	2.642	41	831	0.208	ug/l #	60
16) Acetone	2.380	43	37136	29.054	ug/l	93
17) Carbon Disulfide	2.514	76	1528	0.292	ug/l #	94
18) Methyl Acetate	2.703	43	6108	1.616	ug/l	98
20) Methylene Chloride	2.788	84	16035	5.039	ug/l	89
25) 2-Butanone	4.574	43	10555	4.914	ug/l #	88
29) Tetrahydrofuran	5.038	42	1540	1.066	ug/l #	42
31) Cyclohexane	5.556	56	3121	0.861	ug/l #	40
36) 1,1-Dichloropropene	5.556	75	10219	3.273	ug/l #	48
37) Ethyl Acetate	4.721	43	46907	10.610	ug/l	97
38) Carbon Tetrachloride	5.556	117	12977	4.453	ug/l #	19
43) Isopropyl Acetate	6.349	43	191286	29.516	ug/l	97
48) Methyl methacrylate	7.806	41	176949	55.471	ug/l #	40
49) 1,4-Dioxane	7.806	88	252	3.420	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	140205	31.866	ug/l #	49
53) t-1,3-Dichloropropene	8.964	75	1175	0.337	ug/l #	42
54) cis-1,3-Dichloropropene	8.555	75	61321	16.118	ug/l #	62
57) 1,3-Dichloropropane	9.488	76	8036	1.908	ug/l #	43
59) 2-Hexanone	9.482	43	115475	33.267	ug/l #	50
67) Ethyl Benzene	10.201	91	173	Below Cal	#	66
74) N-amyl acetate	10.775	43	1315	0.269	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	75339	22.176	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75339	66.527	ug/l #	13

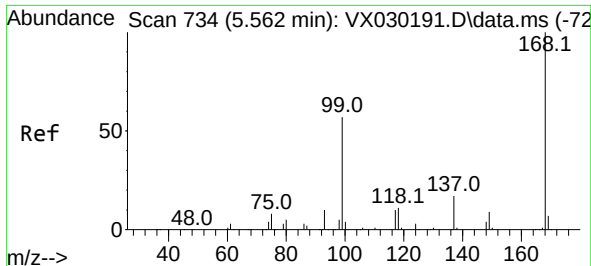
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
Data File : VX030255.D
Acq On : 28 Jul 2022 01:13
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Sample : PB146425ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

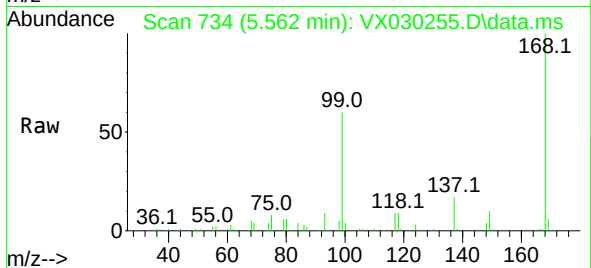
Quant Time: Jul 28 05:56:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 25 16:49:17 2022
Response via : Initial Calibration



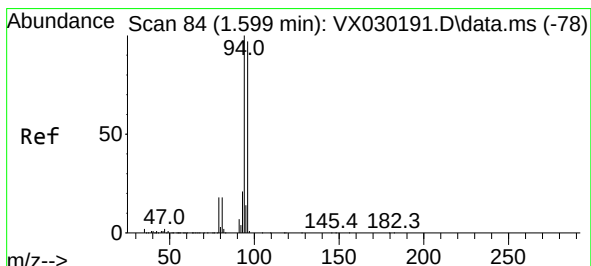
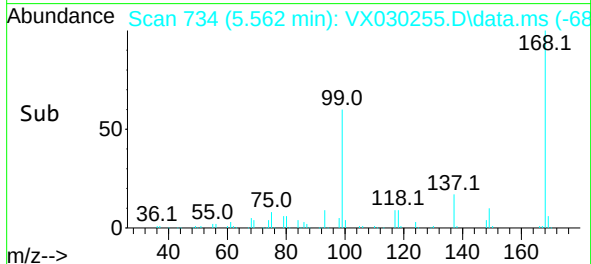
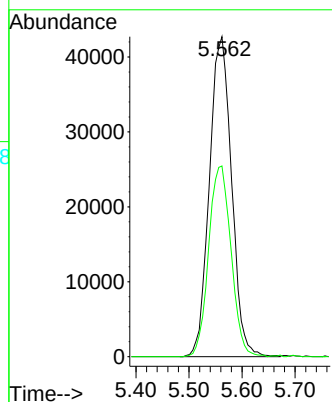


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

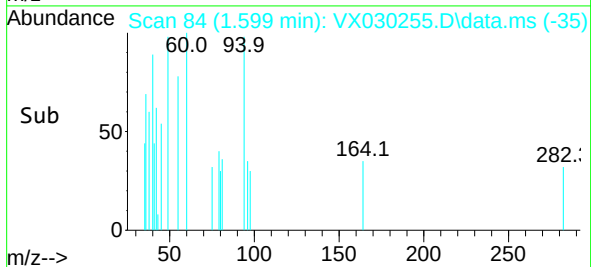
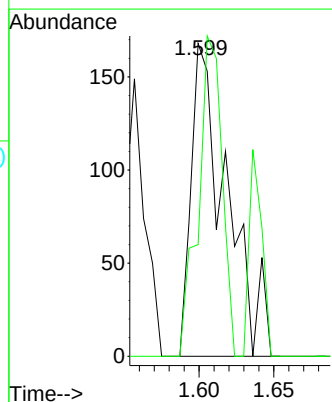
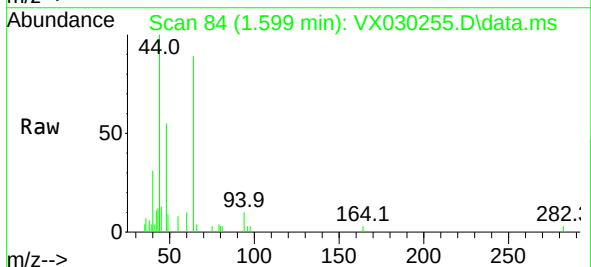


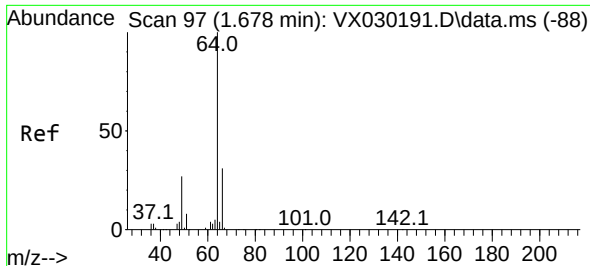
Tgt Ion:168 Resp: 124209
Ion Ratio Lower Upper
168 100
99 59.6 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 35.7 76.9 115.3#

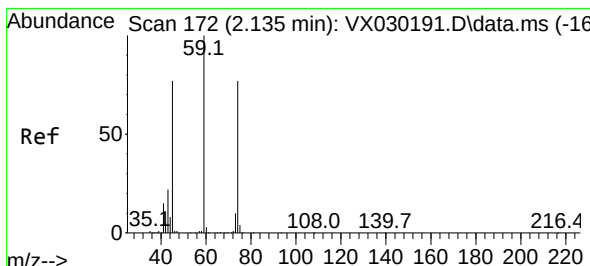
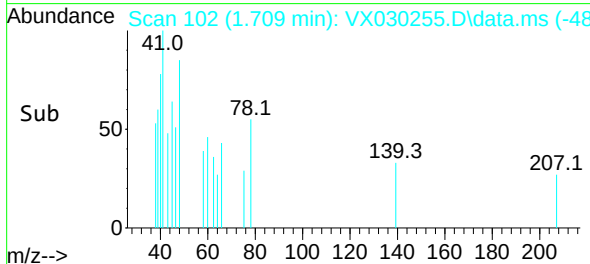
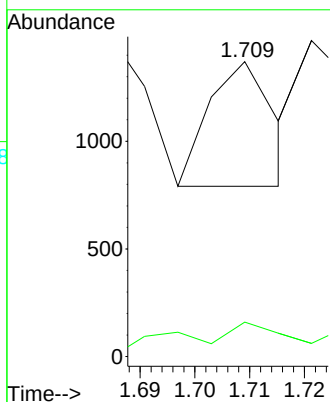
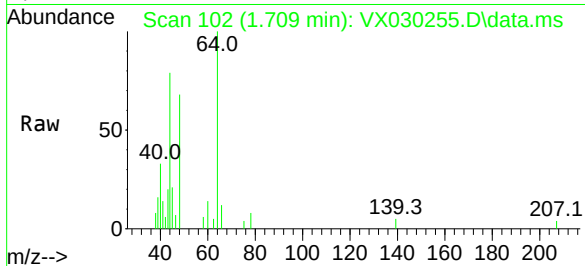




#6
Chloroethane
Concen: 0.407 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.031 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

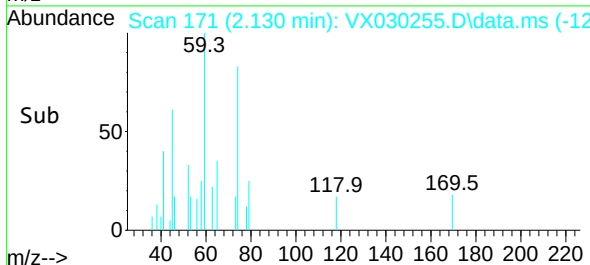
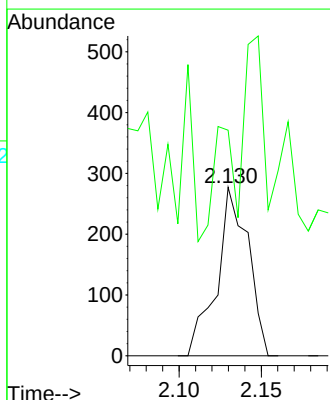
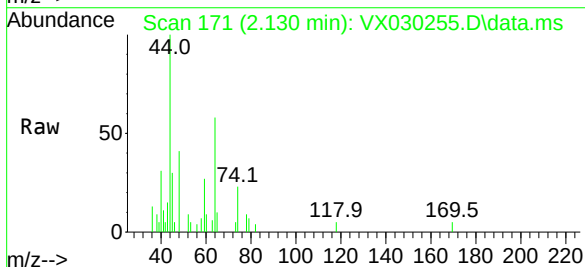
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

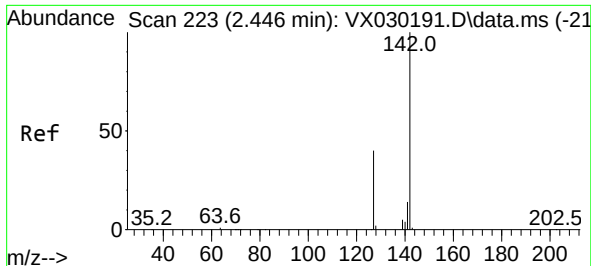
Tgt Ion: 64 Resp: 475
Ion Ratio Lower Upper
64 100
66 8.8 27.2 40.8#



#8
Diethyl Ether
Concen: 0.351 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.005 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 74 Resp: 368
Ion Ratio Lower Upper
74 100
45 104.6 51.5 154.7

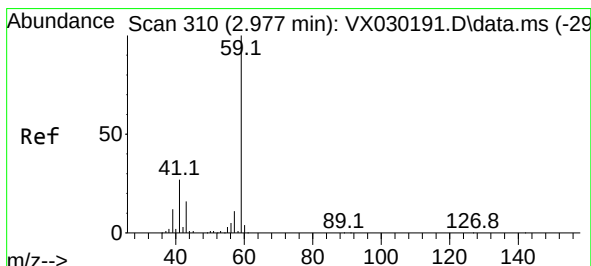
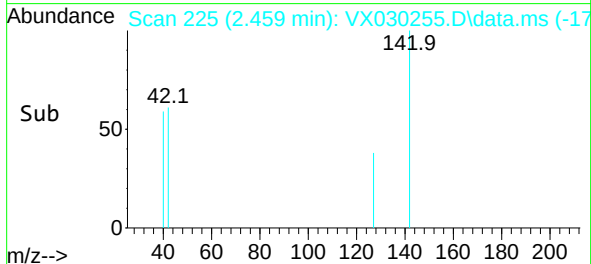
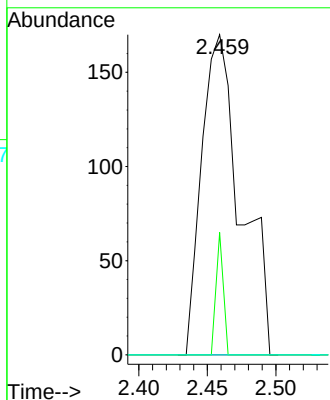
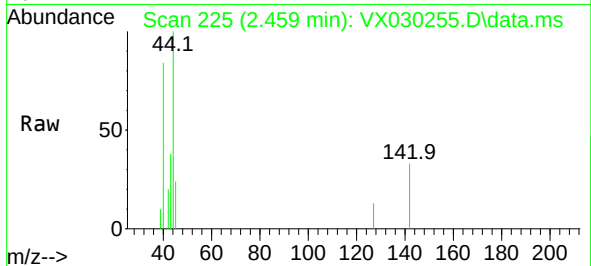




#10
Methyl Iodide
Concen: 1.694 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

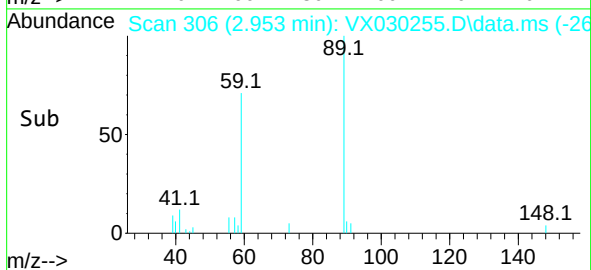
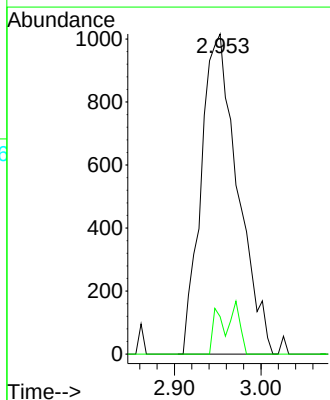
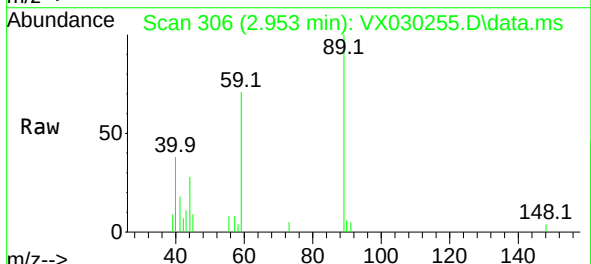
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

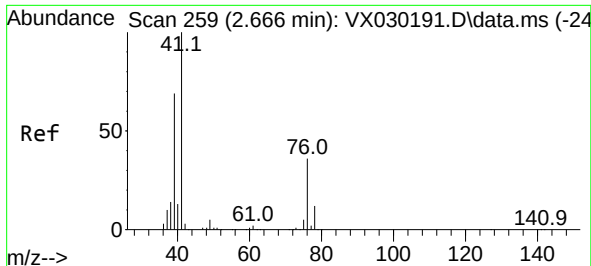
Tgt Ion:142 Resp: 338
Ion Ratio Lower Upper
142 100
127 7.1 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 4.895 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

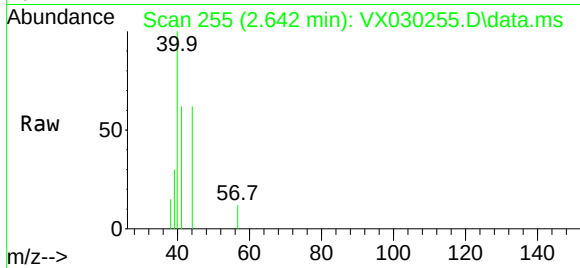
Tgt Ion: 59 Resp: 2981
Ion Ratio Lower Upper
59 100
57 3.9 7.4 11.2#



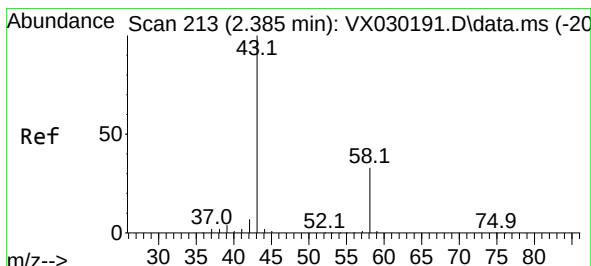
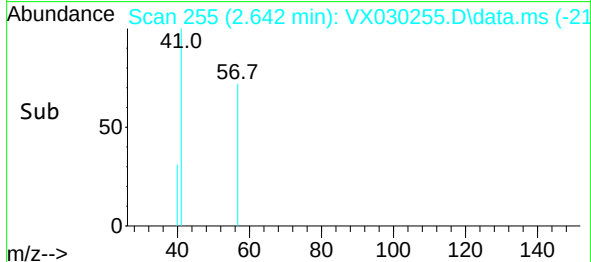
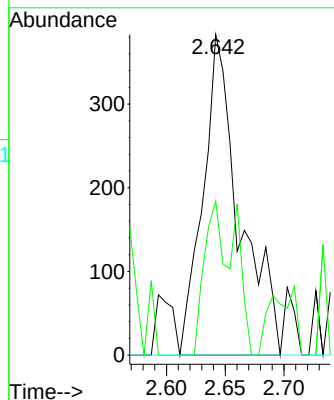


#14
 Allyl chloride
 Concen: 0.208 ug/l
 RT: 2.642 min Scan# 211
 Delta R.T. -0.024 min
 Lab File: VX030255.D
 Acq: 28 Jul 2022 01:13

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146425ZHE#02

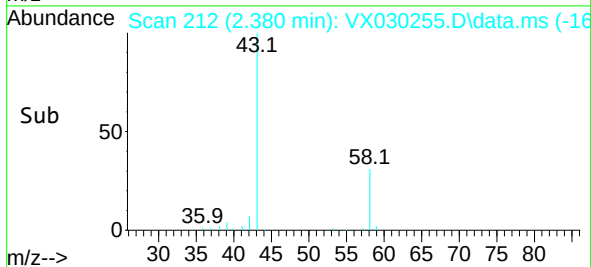
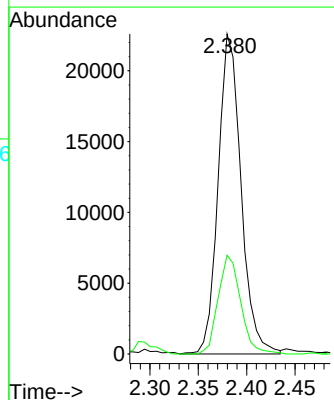
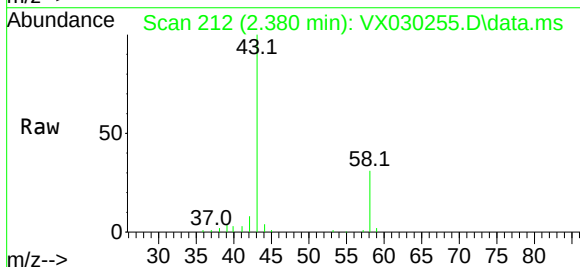


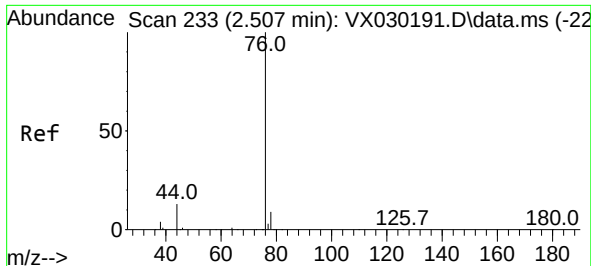
Tgt Ion: 41 Resp: 831
 Ion Ratio Lower Upper
 41 100
 39 39.0 48.9 73.3#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 29.054 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.005 min
 Lab File: VX030255.D
 Acq: 28 Jul 2022 01:13

Tgt Ion: 43 Resp: 37136
 Ion Ratio Lower Upper
 43 100
 58 30.8 27.7 41.5

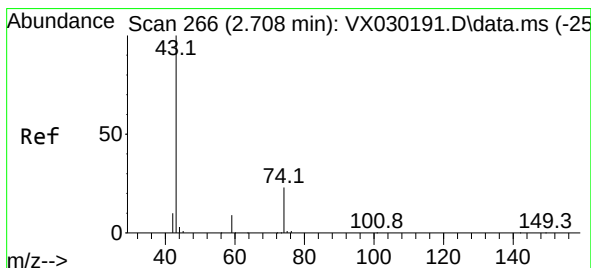
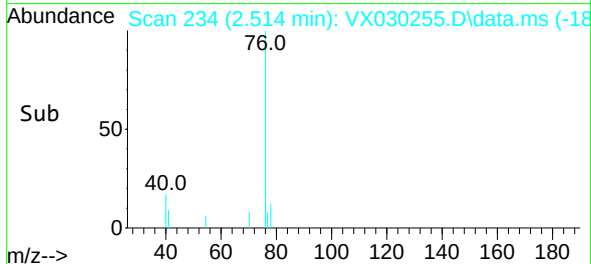
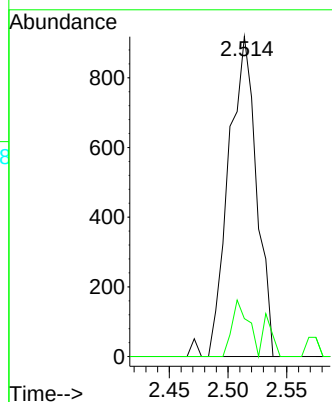
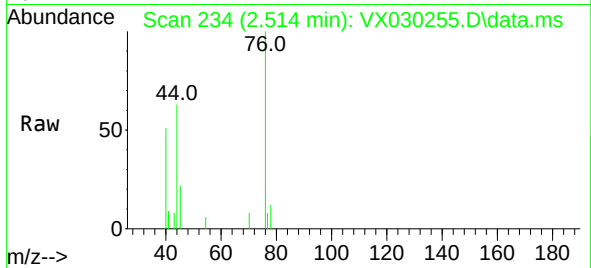




#17
Carbon Disulfide
Concen: 0.292 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

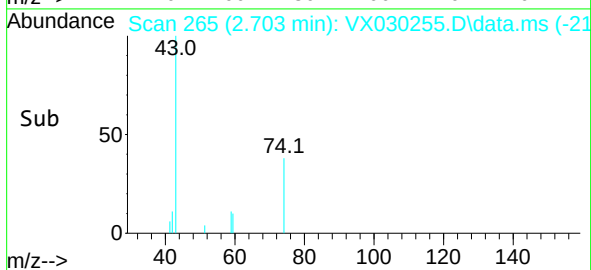
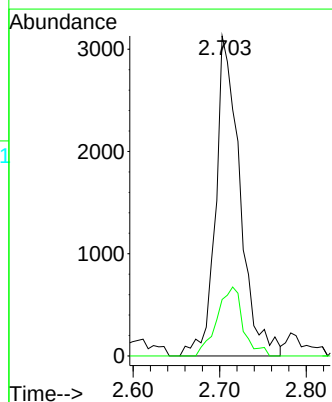
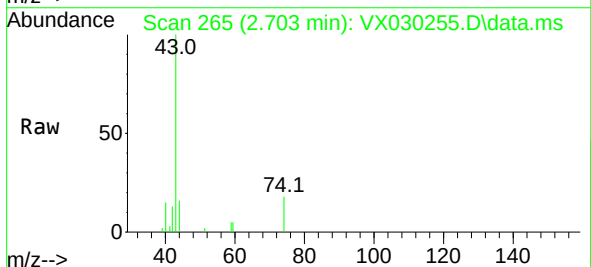
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

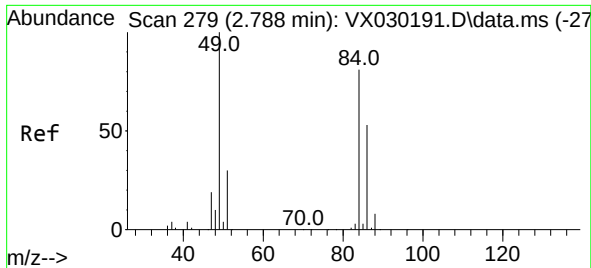
Tgt Ion: 76 Resp: 1528
Ion Ratio Lower Upper
76 100
78 11.9 7.8 11.6#



#18
Methyl Acetate
Concen: 1.616 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.005 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 43 Resp: 6108
Ion Ratio Lower Upper
43 100
74 23.1 19.4 29.2

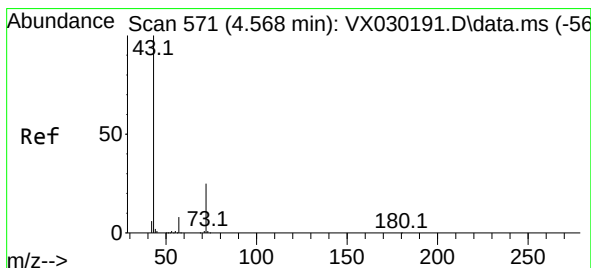
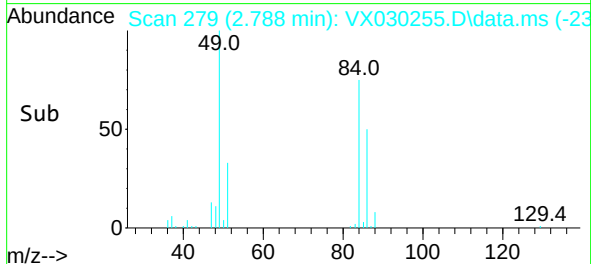
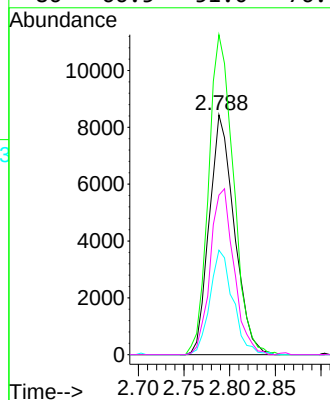
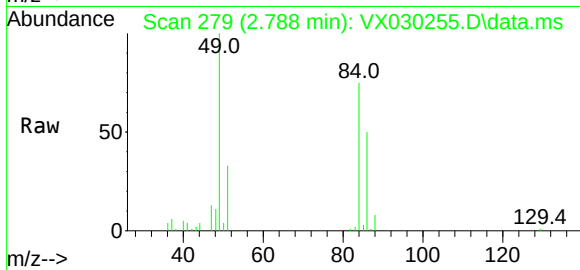




#20
Methylene Chloride
Concen: 5.039 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

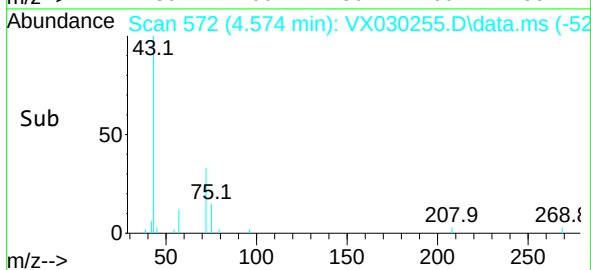
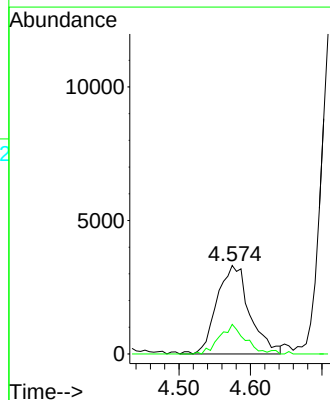
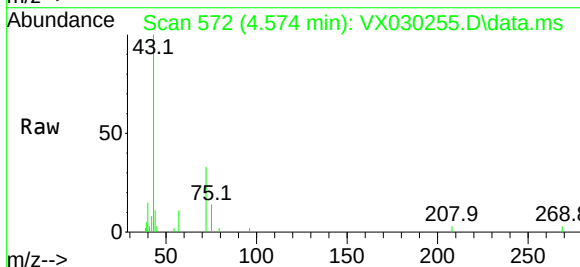
Instrument :
MSVOA_X
ClientSampleId :
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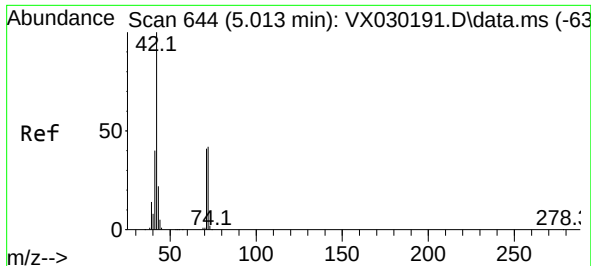
Tgt Ion: 84	Resp: 16035		
Ion	Ratio	Lower	Upper
84	100		
49	133.4	93.8	140.6
51	43.5	29.4	44.0
86	66.5	51.0	76.4



#25
2-Butanone
Concen: 4.914 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 43	Resp: 10555		
Ion Ratio	Lower	Upper	
43 100			
72 33.4	21.7	32.5#	





#29

Tetrahydrofuran

Concen: 1.066 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

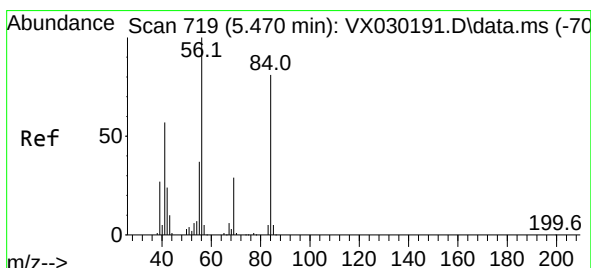
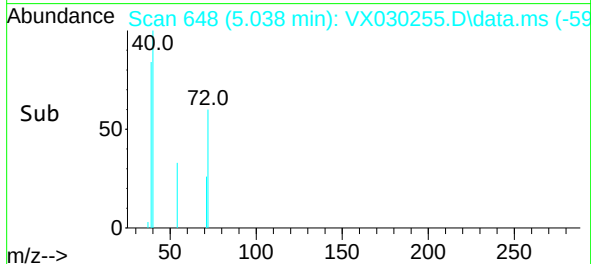
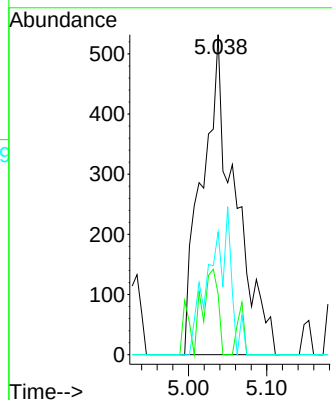
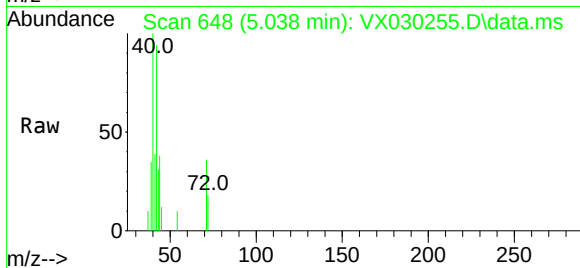
Instrument :

MSVOA_X

ClientSampleId :

PB146425ZHE#02

Tgt Ion:	42	Resp:	1540
Ion	Ratio	Lower	Upper
42	100		
72	12.7	36.5	54.7#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 0.861 ug/l

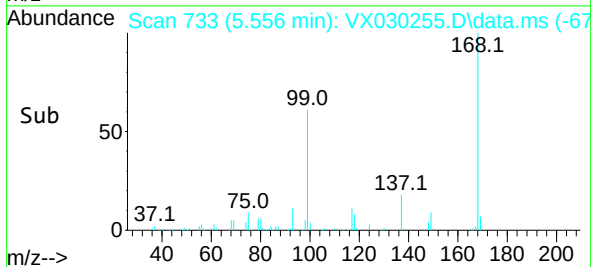
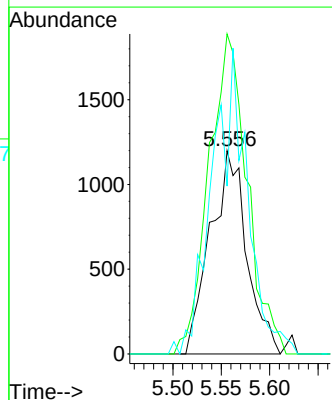
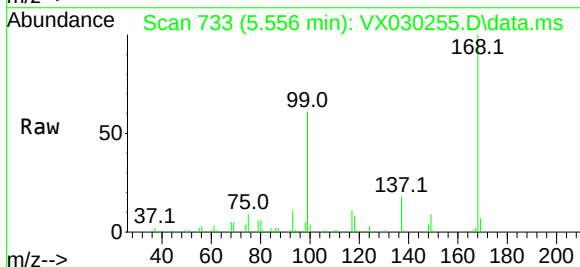
RT: 5.556 min Scan# 733

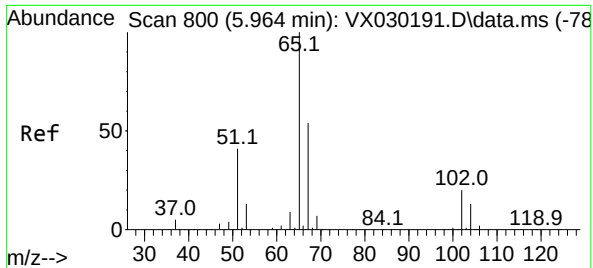
Delta R.T. 0.086 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

Tgt Ion:	56	Resp:	3121
Ion	Ratio	Lower	Upper
56	100		
69	150.4	25.4	38.0#
84	82.6	68.9	103.3





#33

1,2-Dichloroethane-d4

Concen: 58.036 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

Instrument :

MSVOA_X

ClientSampleId :

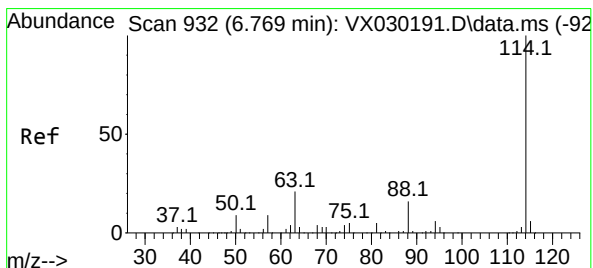
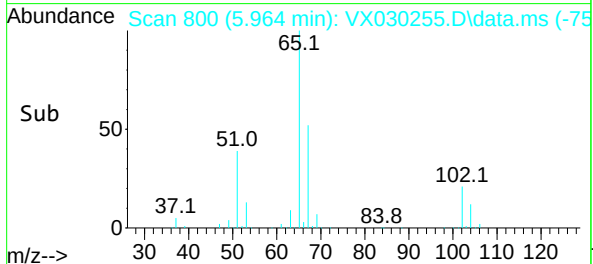
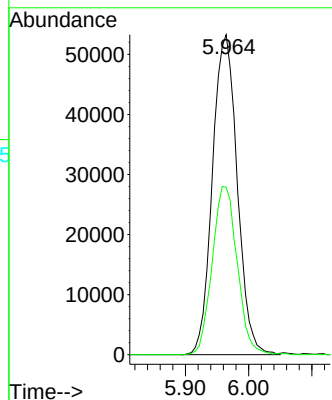
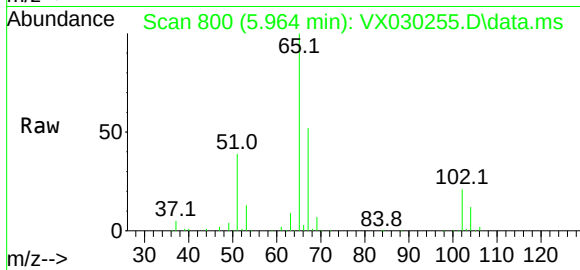
PB146425ZHE#02

Tgt Ion: 65 Resp: 144888

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

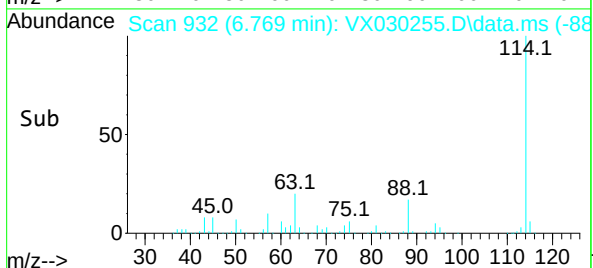
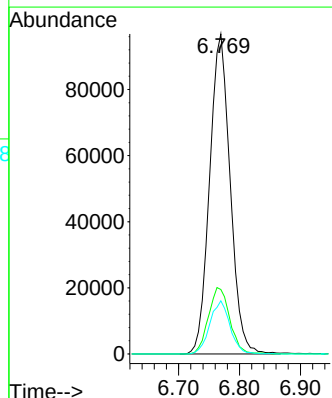
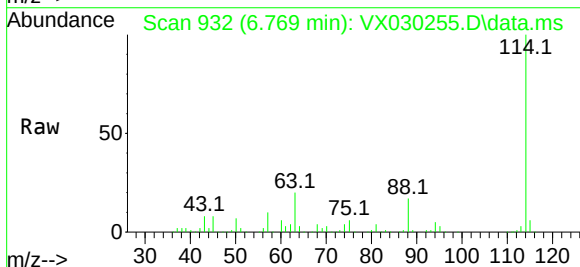
Tgt Ion: 114 Resp: 226927

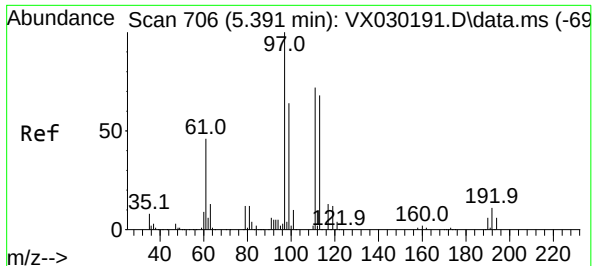
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

88 16.6 0.0 31.8

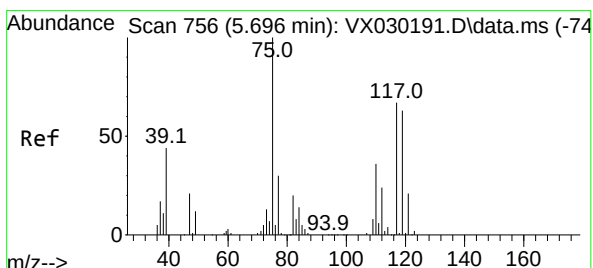
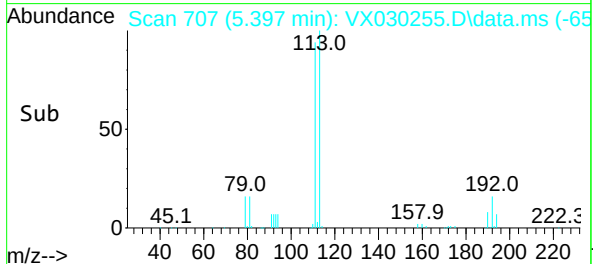
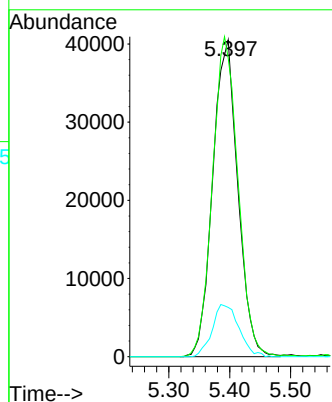
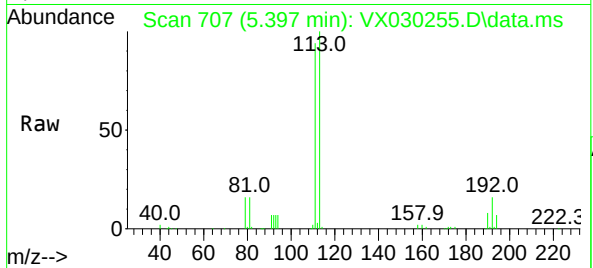




#35
Dibromofluoromethane
Concen: 53.555 ug/l
RT: 5.397 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

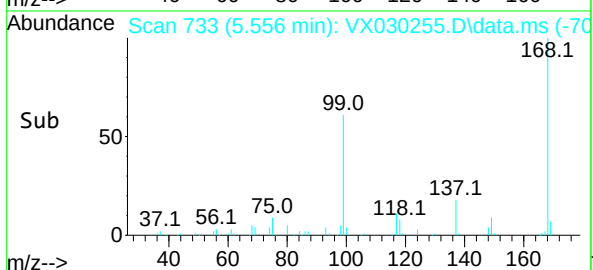
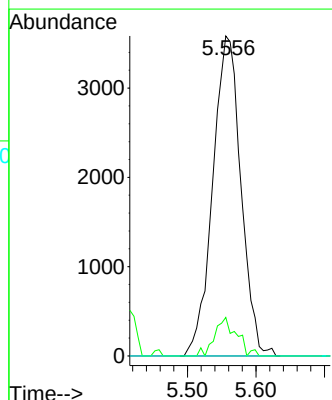
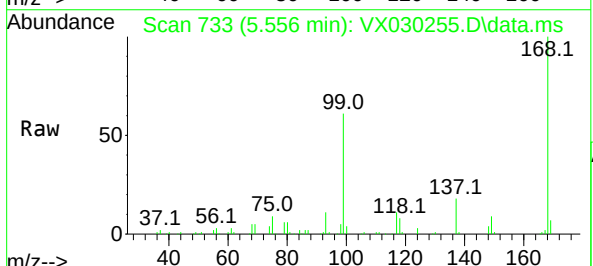
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

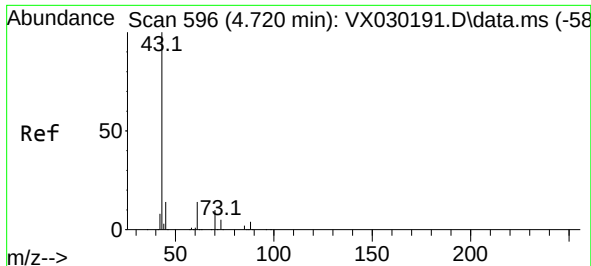
Tgt Ion:113 Resp: 116178
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 17.4 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.273 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 75 Resp: 10219
Ion Ratio Lower Upper
75 100
110 9.4 19.3 57.9#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 10.610 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.001 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

Instrument :

MSVOA_X

ClientSampleId :

PB146425ZHE#02

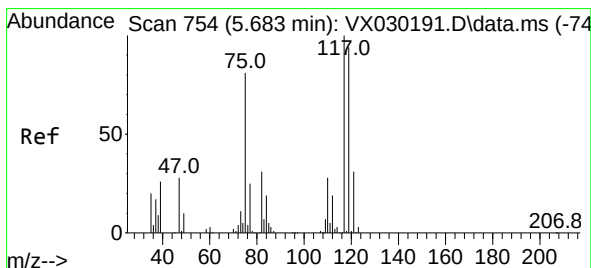
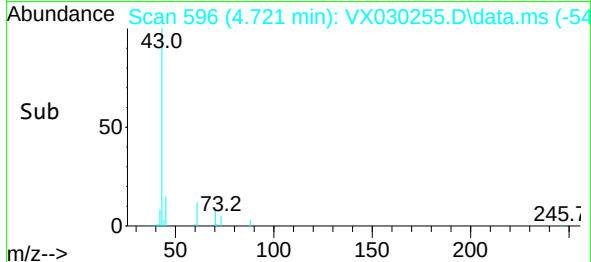
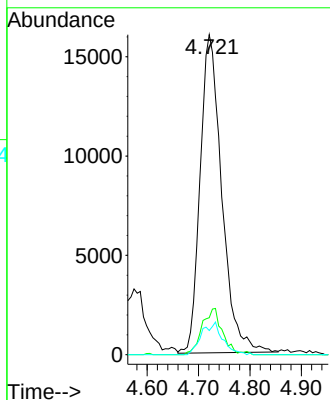
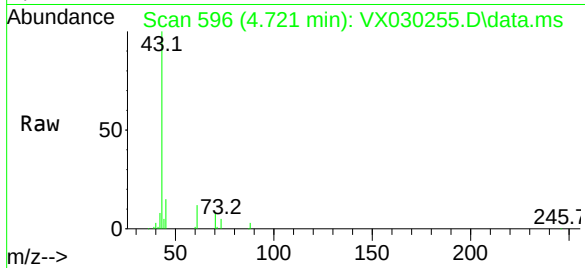
Tgt Ion: 43 Resp: 46907

Ion Ratio Lower Upper

43 100

61 13.6 11.7 17.5

70 10.0 9.3 13.9



#38

Carbon Tetrachloride

Concen: 4.453 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.127 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

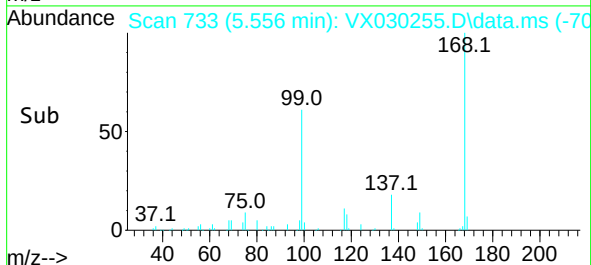
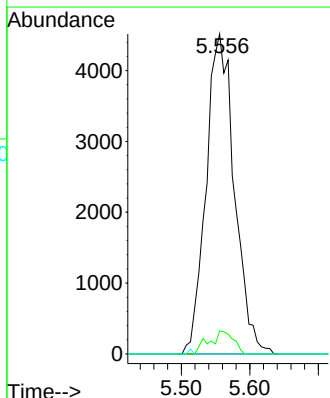
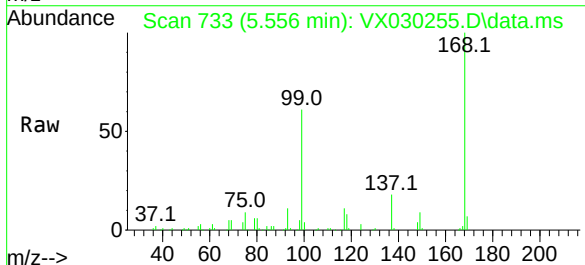
Tgt Ion: 117 Resp: 12977

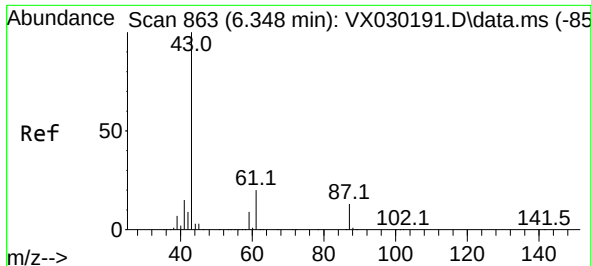
Ion Ratio Lower Upper

117 100

119 7.2 74.1 111.1#

121 0.0 25.8 38.8#

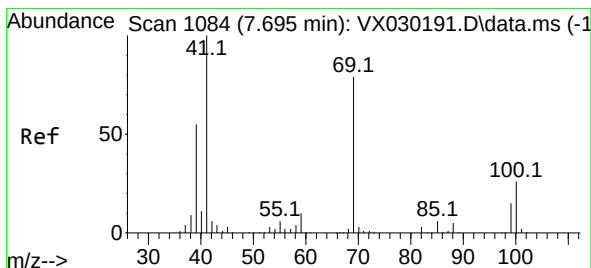
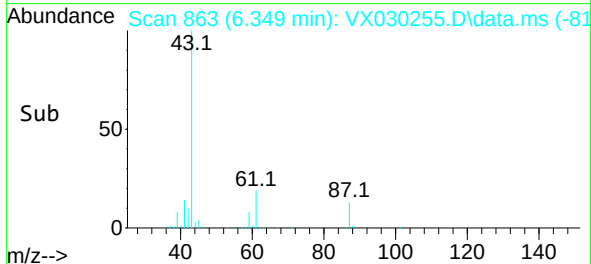
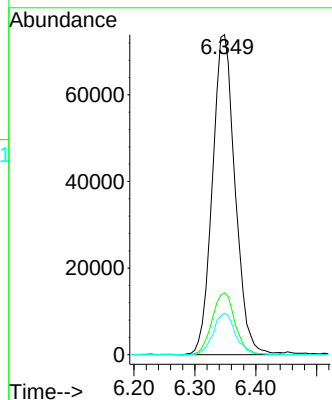
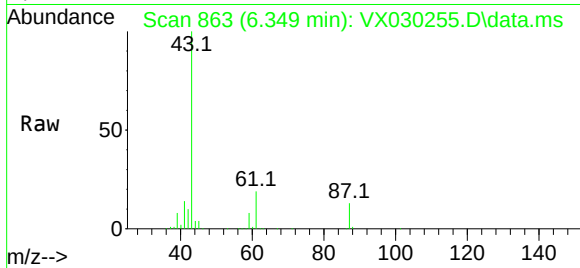




#43
Isopropyl Acetate
Concen: 29.516 ug/l
RT: 6.349 min Scan# 80
Delta R.T. 0.001 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

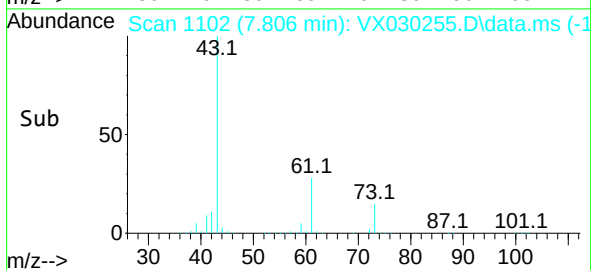
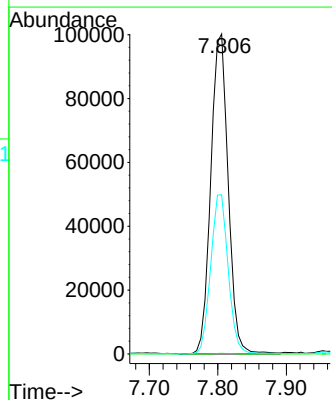
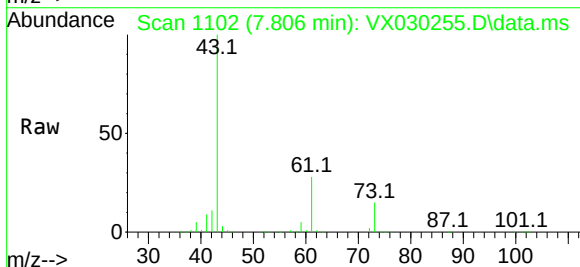
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

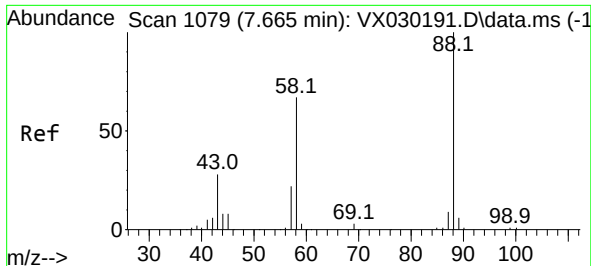
Tgt Ion: 43 Resp: 191286
Ion Ratio Lower Upper
43 100
61 19.6 16.5 24.7
87 12.7 11.1 16.7



#48
Methyl methacrylate
Concen: 55.471 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.111 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 41 Resp: 176949
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 50.2 44.6 66.8

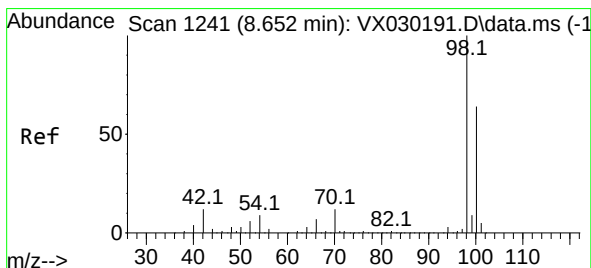
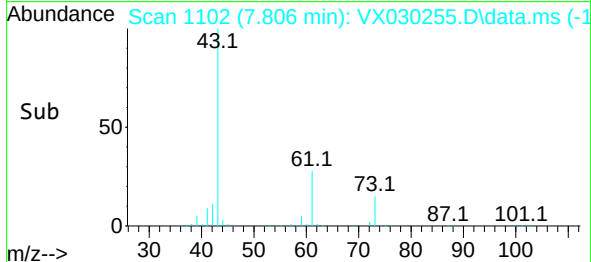
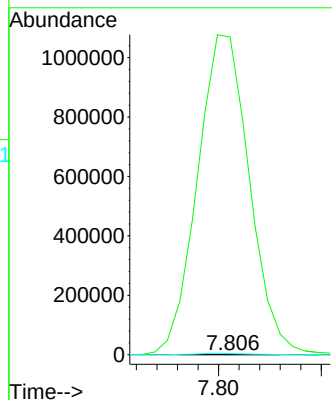
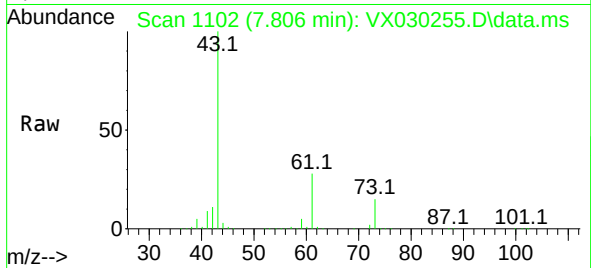




#49
1,4-Dioxane
Concen: 3.420 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

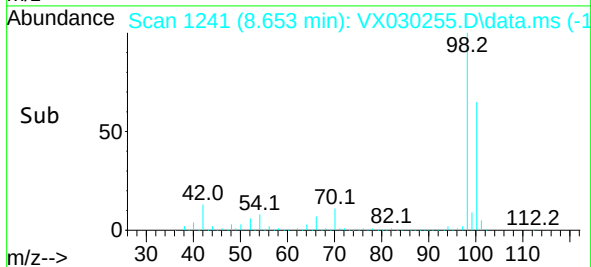
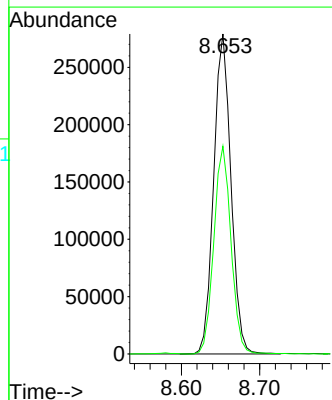
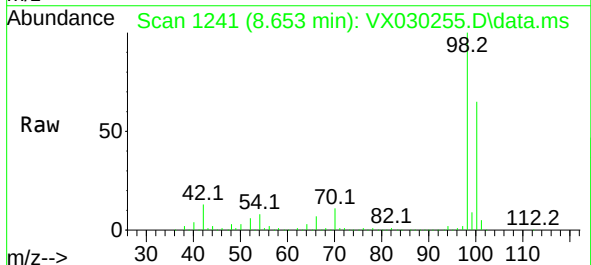
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

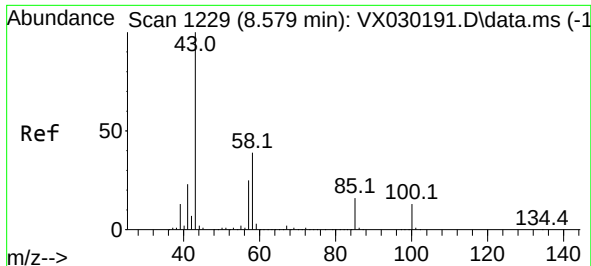
Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
43 755249.2 23.8 35.8#
58 3134.1 53.8 80.6#



#50
Toluene-d8
Concen: 50.845 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 98 Resp: 427149
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 31.866 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

Instrument :

MSVOA_X

ClientSampleId :

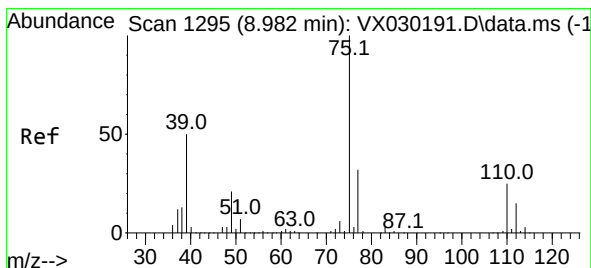
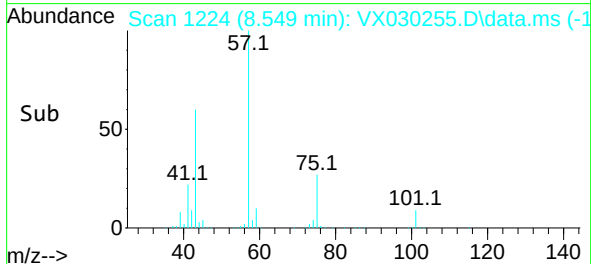
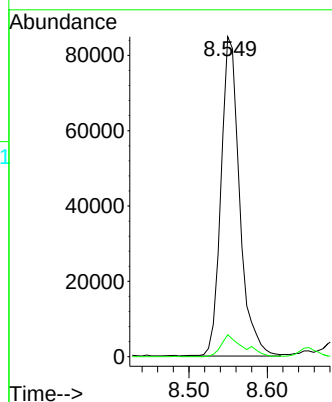
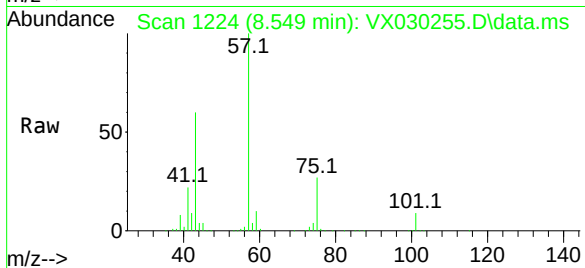
PB146425ZHE#02

Tgt Ion: 43 Resp: 140205

Ion Ratio Lower Upper

43 100

58 8.2 31.4 47.2#



#53

t-1,3-Dichloropropene

Concen: 0.337 ug/l

RT: 8.964 min Scan# 1292

Delta R.T. -0.018 min

Lab File: VX030255.D

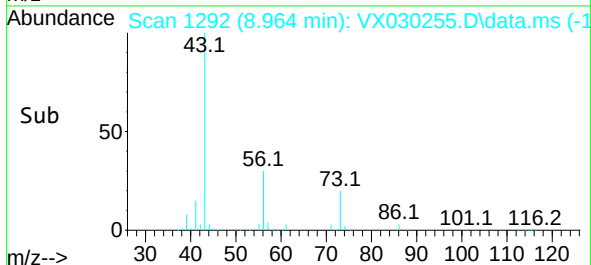
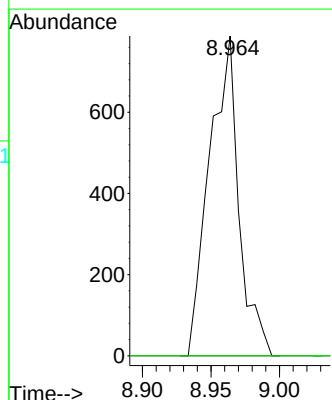
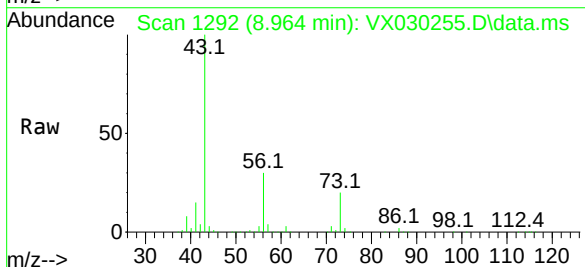
Acq: 28 Jul 2022 01:13

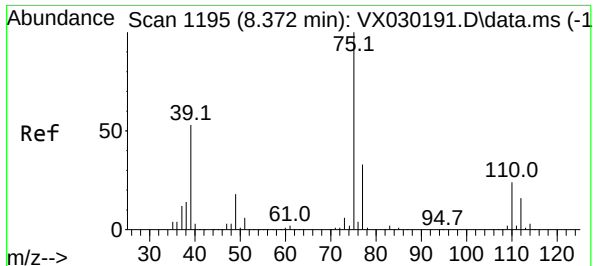
Tgt Ion: 75 Resp: 1175

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

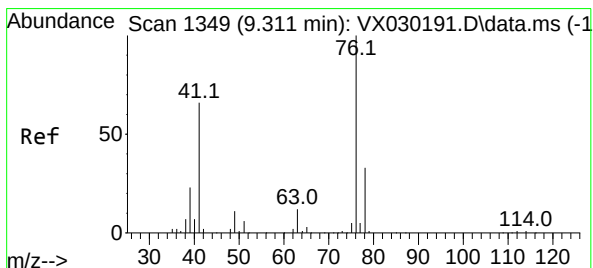
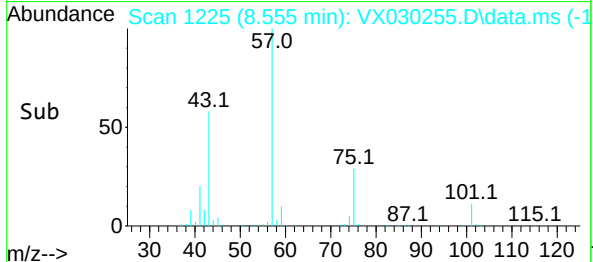
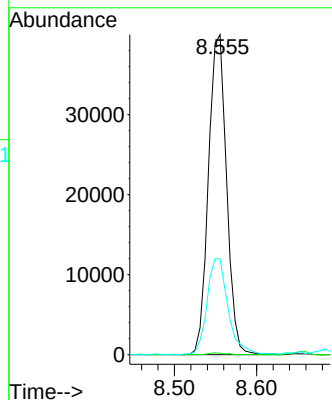
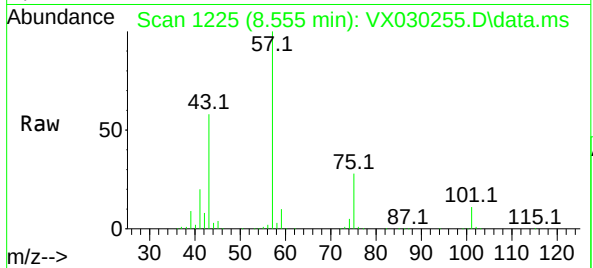




#54
cis-1,3-Dichloropropene
Concen: 16.118 ug/l
RT: 8.555 min Scan# 1195
Delta R.T. 0.183 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

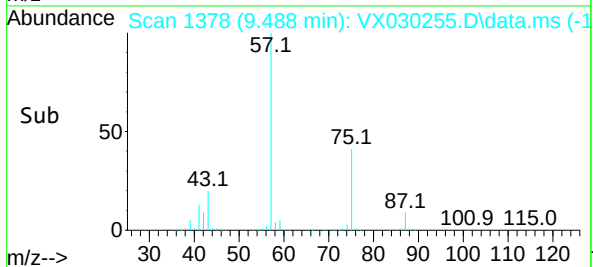
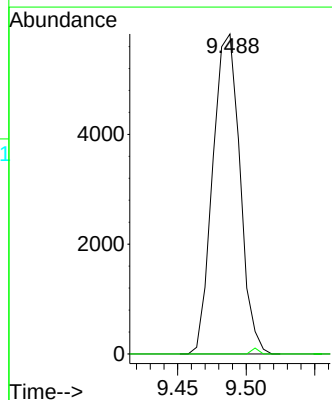
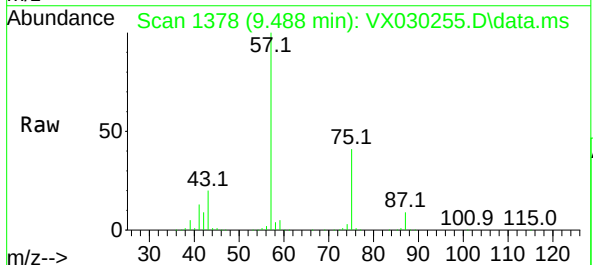
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

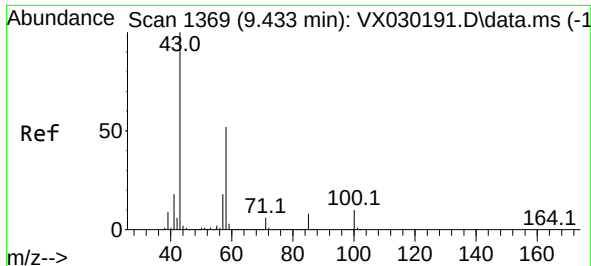
Tgt Ion: 75 Resp: 61321
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 29.9 37.5 56.3#



#57
1,3-Dichloropropane
Concen: 1.908 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 76 Resp: 8036
Ion Ratio Lower Upper
76 100
78 0.5 25.9 38.9#

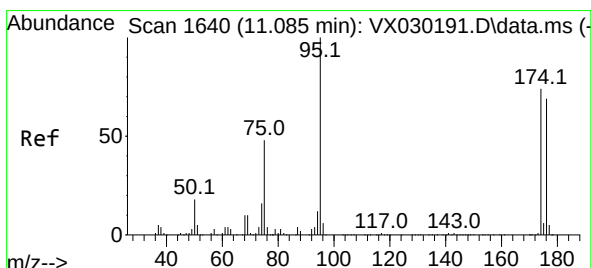
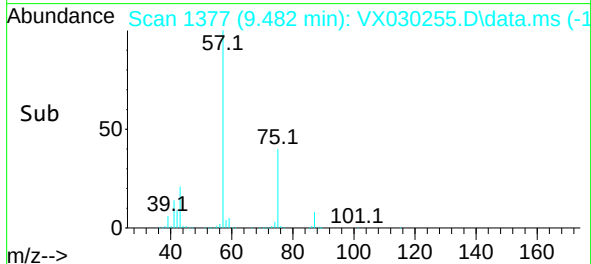
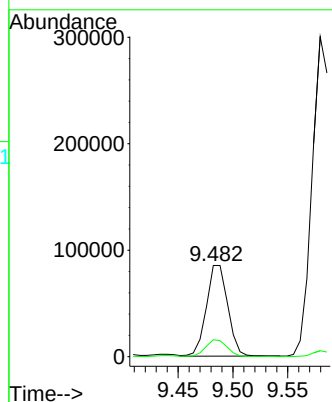
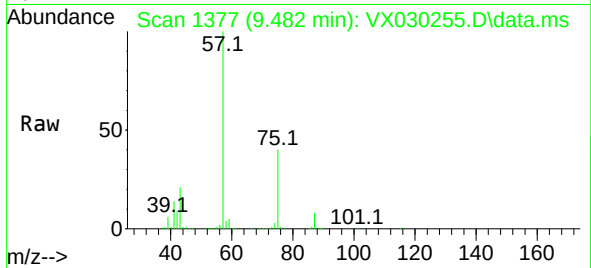




#59
2-Hexanone
Concen: 33.267 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

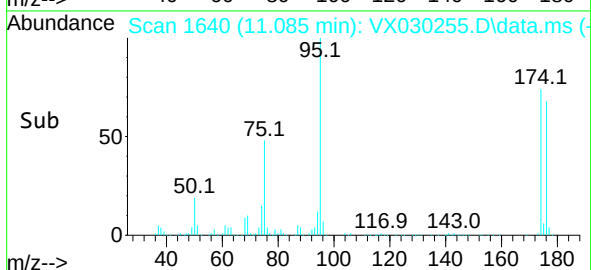
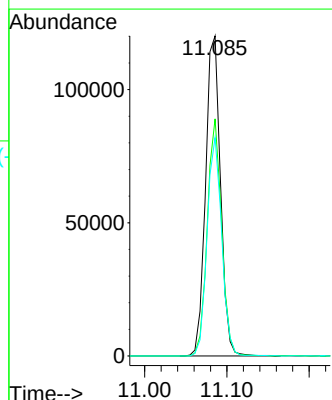
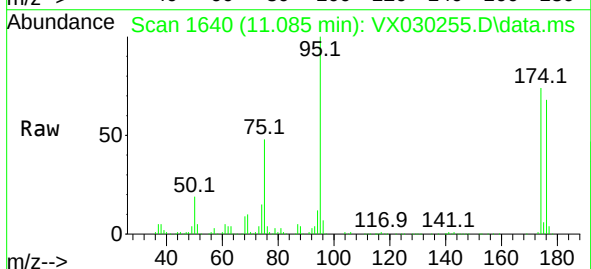
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

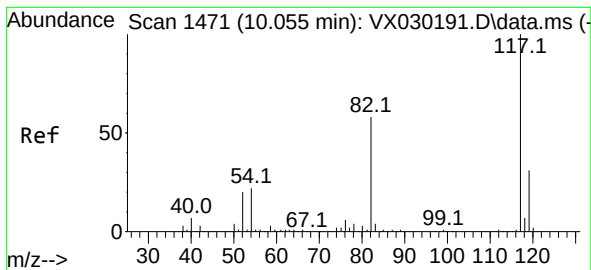
Tgt Ion: 43 Resp: 115475
Ion Ratio Lower Upper
43 100
58 19.2 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 48.544 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 95 Resp: 151352
Ion Ratio Lower Upper
95 100
174 71.4 0.0 149.0
176 66.9 0.0 146.0

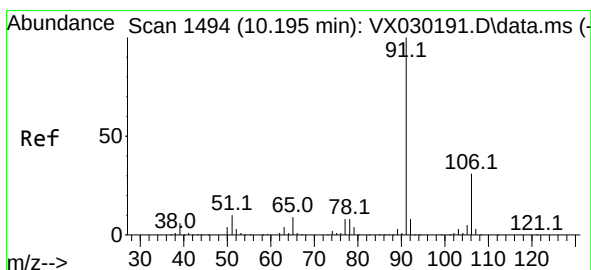
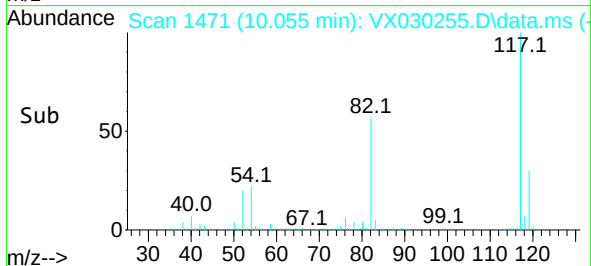
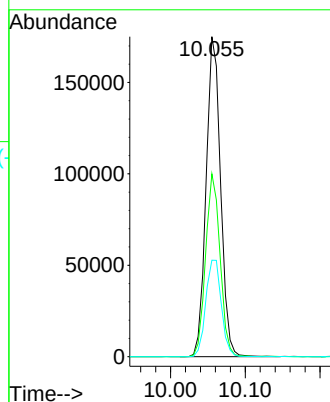
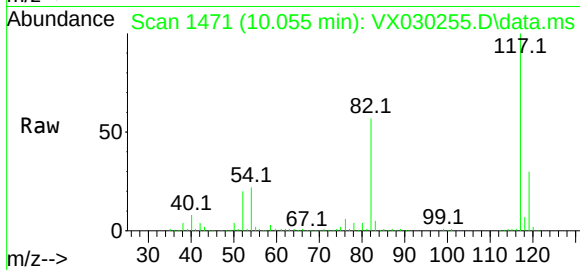




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

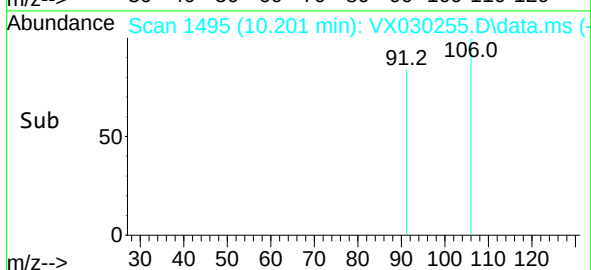
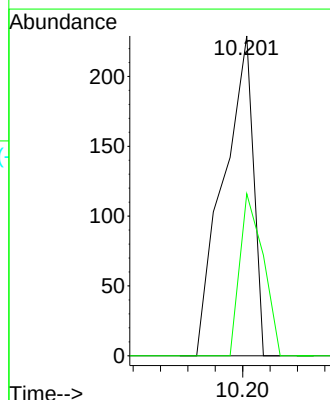
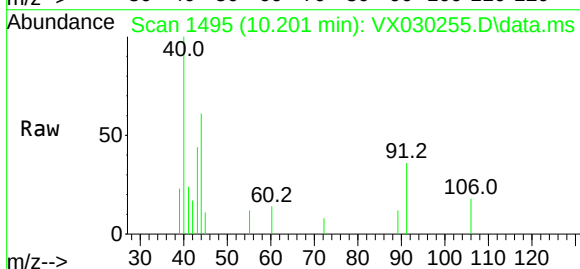
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

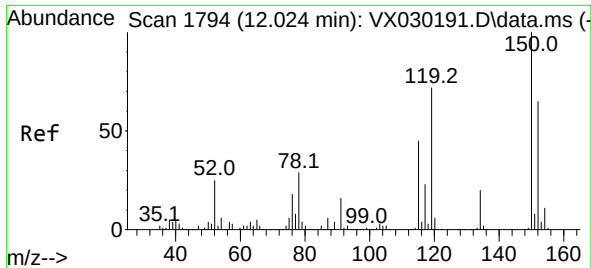
Tgt Ion:117 Resp: 235017
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 30.2 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 91 Resp: 173
Ion Ratio Lower Upper
91 100
106 50.7 25.5 38.3#

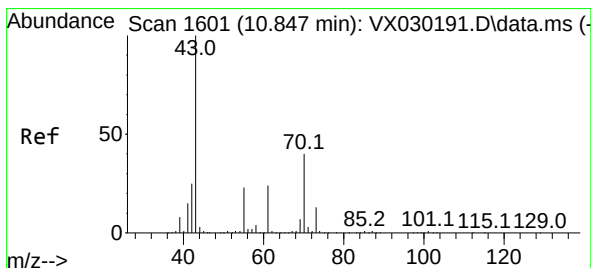
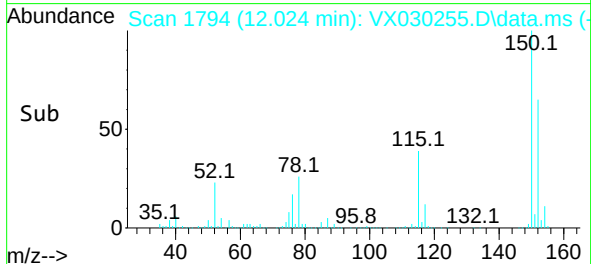
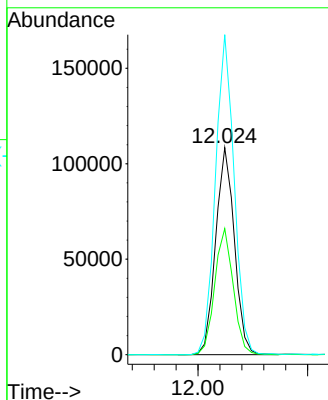
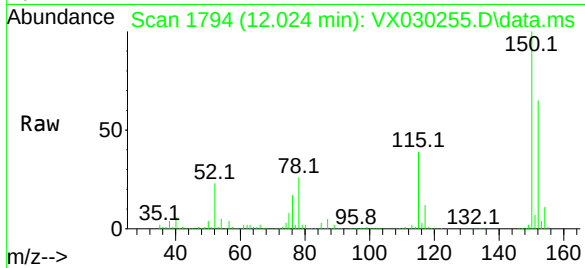




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

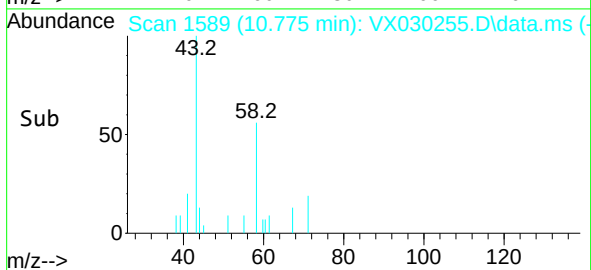
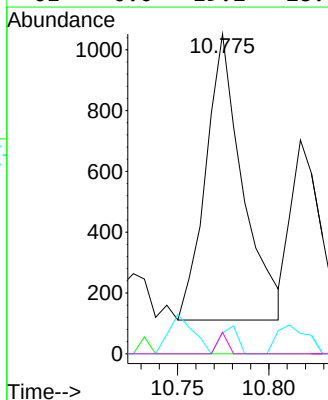
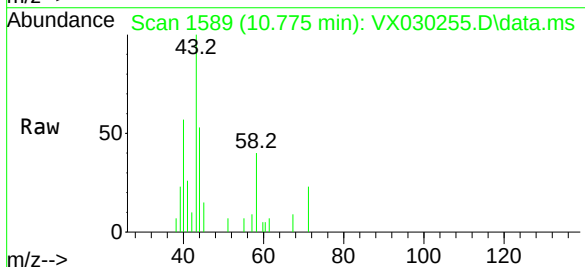
Instrument :
MSVOA_X
ClientSampleId :
PB146425ZHE#02

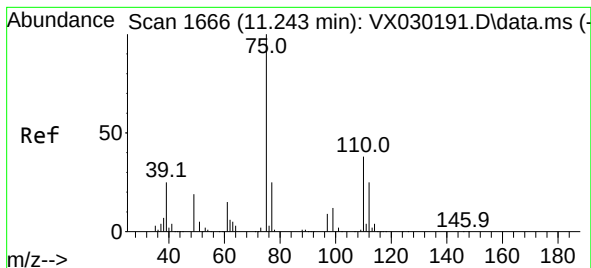
Tgt Ion:152 Resp: 128884
Ion Ratio Lower Upper
152 100
115 60.2 40.5 121.5
150 154.4 0.0 347.0



#74
N-ethyl acetate
Concen: 0.269 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.072 min
Lab File: VX030255.D
Acq: 28 Jul 2022 01:13

Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 4.5 18.4 27.6#
61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 22.176 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

Instrument :

MSVOA_X

ClientSampleId :

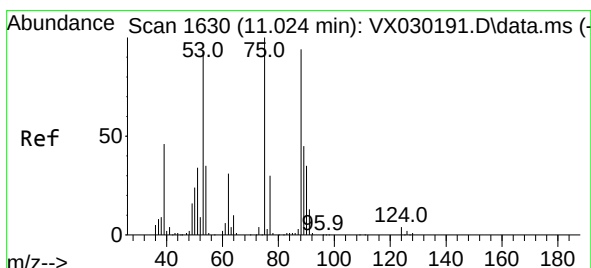
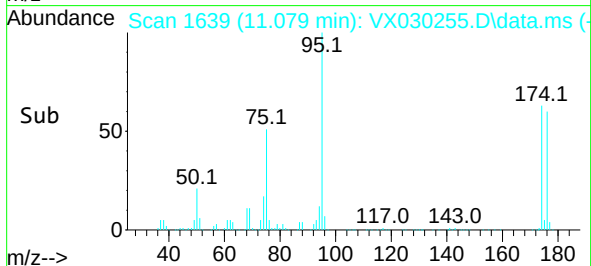
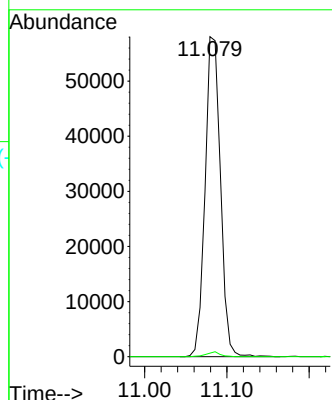
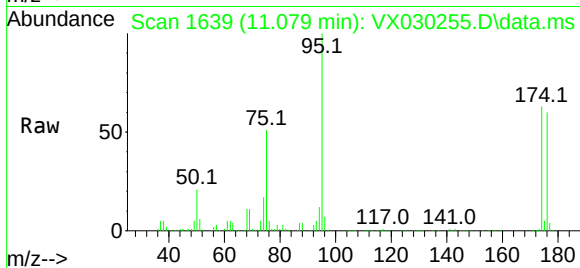
PB146425ZHE#02

Tgt Ion: 75 Resp: 75339

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.527 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.055 min

Lab File: VX030255.D

Acq: 28 Jul 2022 01:13

Tgt Ion: 75 Resp: 75339

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

