

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028505.D
 Acq On : 03 May 2022 16:39
 Operator : JC/MD
 Sample : PB144525ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#02

Quant Time: May 04 06:06:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

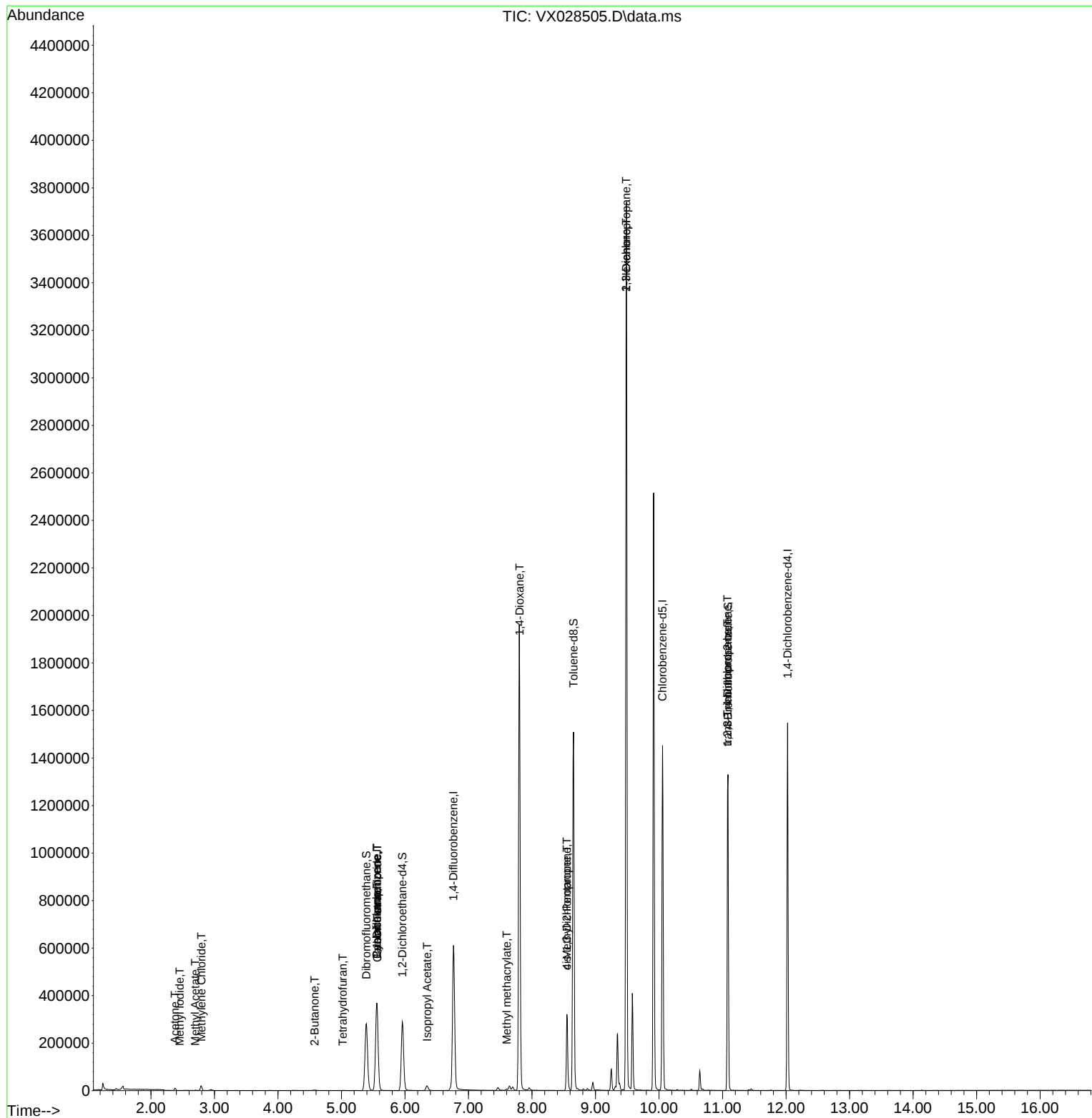
Internal Standards						
1) Pentafluorobenzene	5.556	168	359422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	637995	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	666053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	313932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	272116	58.064	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.120%			
35) Dibromofluoromethane	5.391	113	243596	54.444	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.880%			
50) Toluene-d8	8.653	98	938720	54.626	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.260%			
62) 4-Bromofluorobenzene	11.085	95	346314	52.706	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.420%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	462	Below Cal		92
5) Bromomethane	1.618	94	911	Below Cal		95
6) Chloroethane	1.642	64	379	Below Cal	#	71
8) Diethyl Ether	2.130	74	67	Below Cal	#	1
10) Methyl Iodide	2.453	142	260	5.293 ug/l	#	88
11) Tert butyl alcohol	2.947	59	2499	Below Cal	#	72
16) Acetone	2.380	43	10033	5.645 ug/l		98
18) Methyl Acetate	2.697	43	1836	0.441 ug/l		95
20) Methylene Chloride	2.794	84	9638	2.772 ug/l	#	83
25) 2-Butanone	4.574	43	3336	1.202 ug/l	#	86
29) Tetrahydrofuran	5.019	42	517	0.286 ug/l	#	49
31) Cyclohexane	5.556	56	7324	1.283 ug/l	#	34
36) 1,1-Dichloropropene	5.556	75	26553	4.550 ug/l	#	49
38) Carbon Tetrachloride	5.562	117	35452	5.381 ug/l	#	15
43) Isopropyl Acetate	6.348	43	26339	2.733 ug/l		98
48) Methyl methacrylate	7.604	41	7621	1.722 ug/l	#	7
49) 1,4-Dioxane	7.805	88	363	3.067 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	101686	16.441 ug/l	#	45
54) cis-1,3-Dichloropropene	8.549	75	54691	7.601 ug/l	#	67
57) 1,3-Dichloropropane	9.482	76	35753	4.593 ug/l	#	43
59) 2-Hexanone	9.482	43	412122	86.023 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	171249	27.717 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	171249	82.369 ug/l	#	15

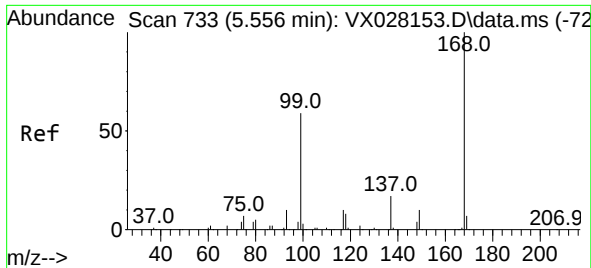
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

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Response via : Initial Calibration

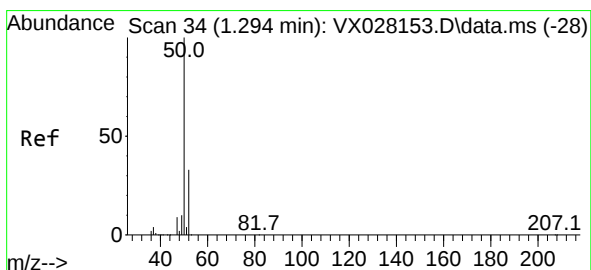
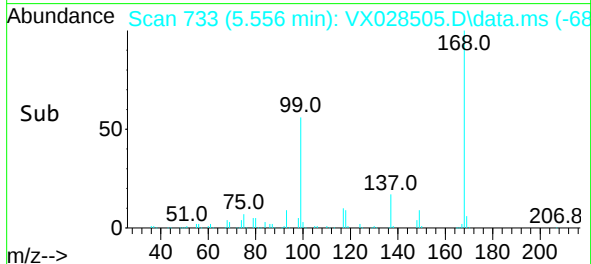
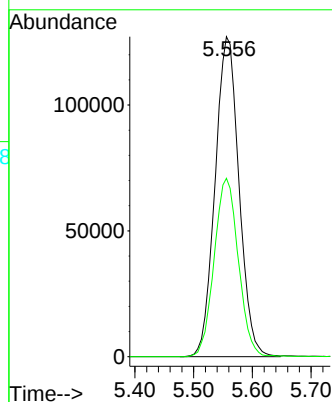
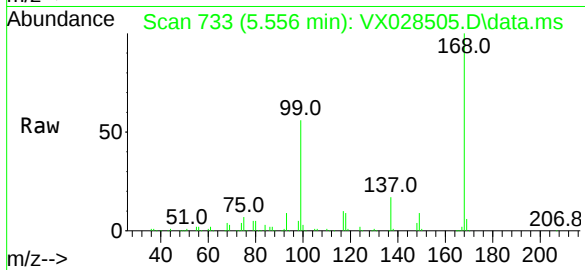




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

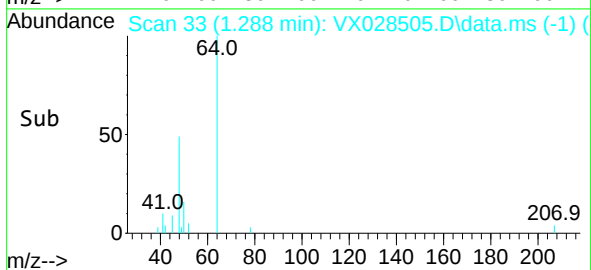
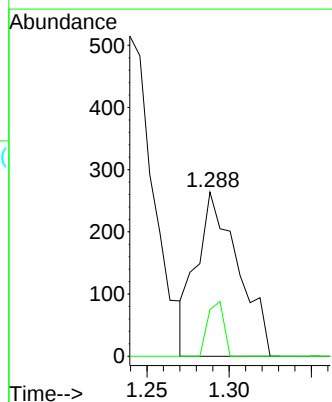
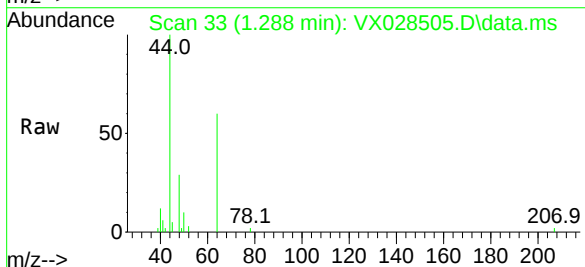
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02

Tgt Ion:168 Resp: 359422
Ion Ratio Lower Upper
168 100
99 55.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 50 Resp: 462
Ion Ratio Lower Upper
50 100
52 28.4 26.4 39.6

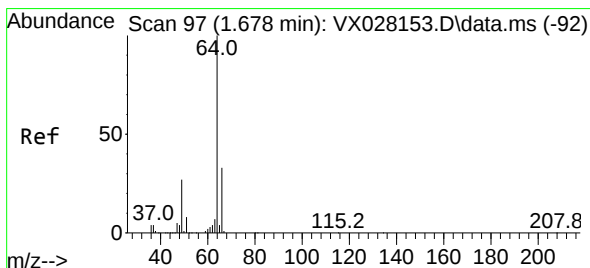
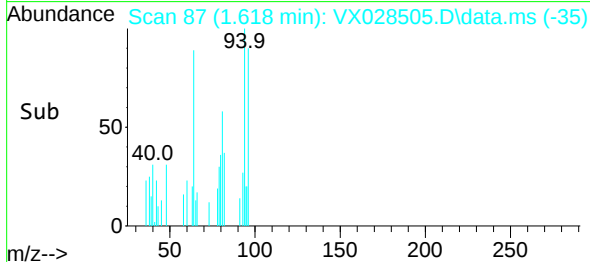
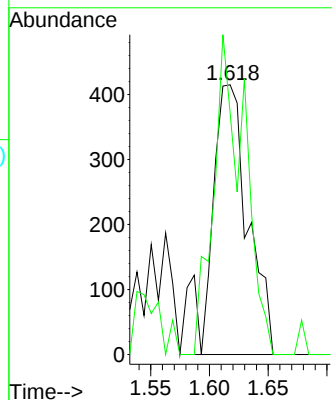
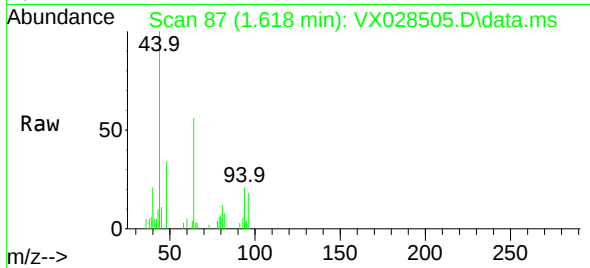




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

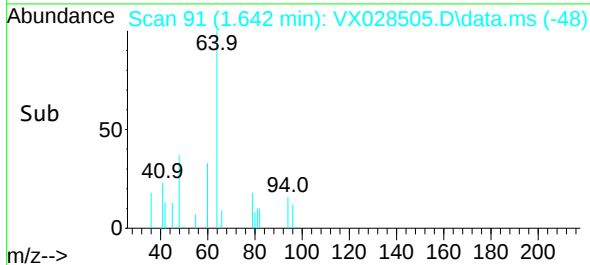
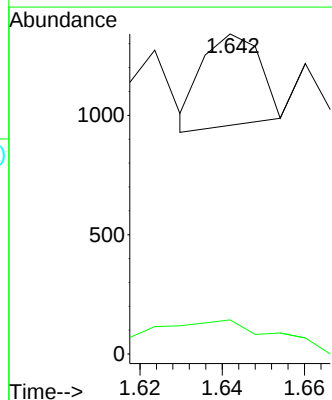
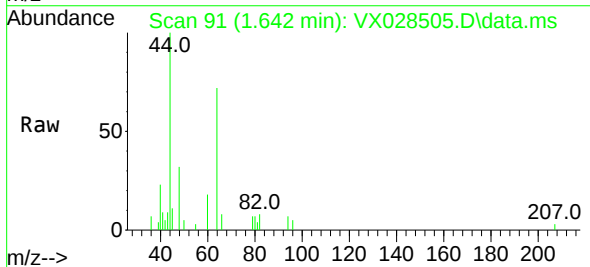
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02

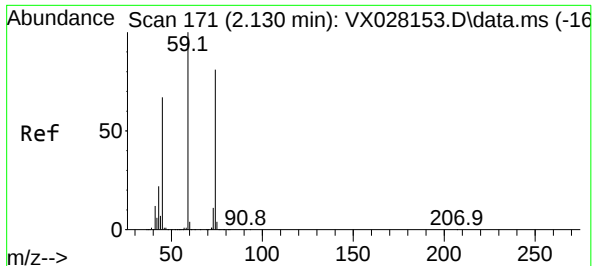
Tgt Ion: 94 Resp: 911
Ion Ratio Lower Upper
94 100
96 89.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 64 Resp: 379
Ion Ratio Lower Upper
64 100
66 15.6 25.3 37.9#

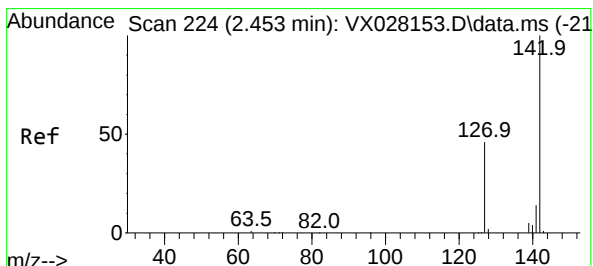
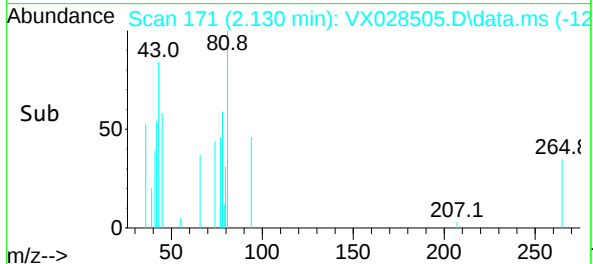
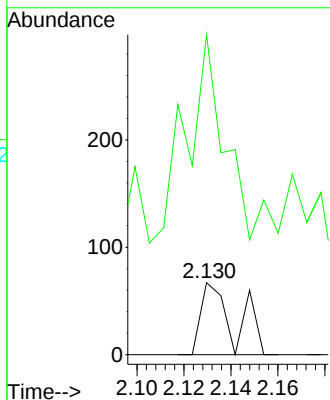
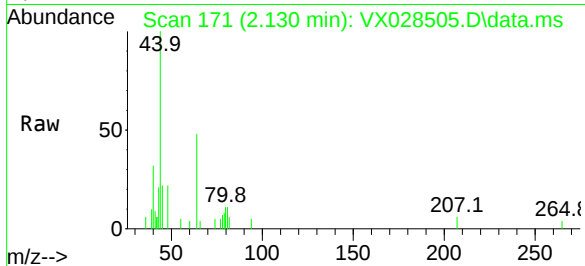




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

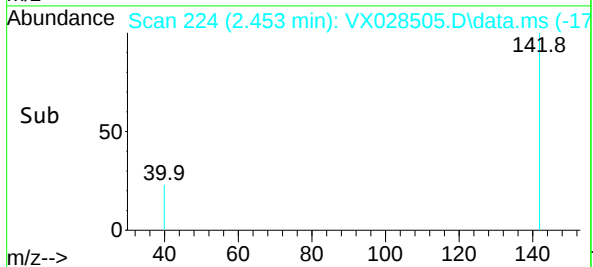
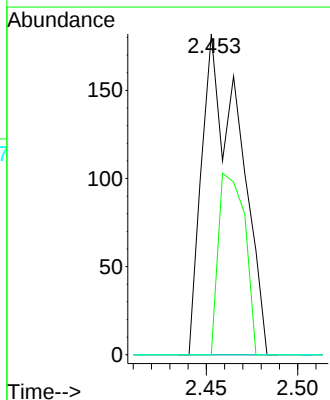
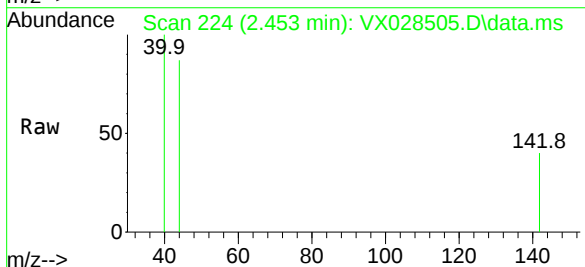
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02

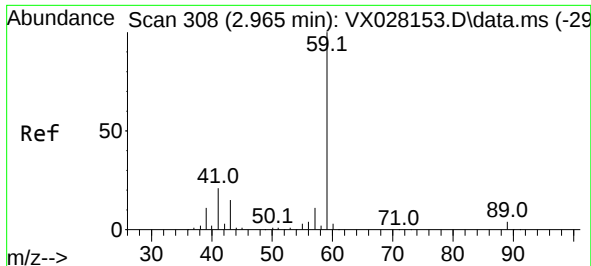
Tgt Ion: 74 Resp: 67
Ion Ratio Lower Upper
74 100
45 435.8 42.0 126.0#



#10
Methyl Iodide
Concen: 5.293 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 142 Resp: 260
Ion Ratio Lower Upper
142 100
127 39.6 33.9 50.9
141 0.0 11.4 17.2#

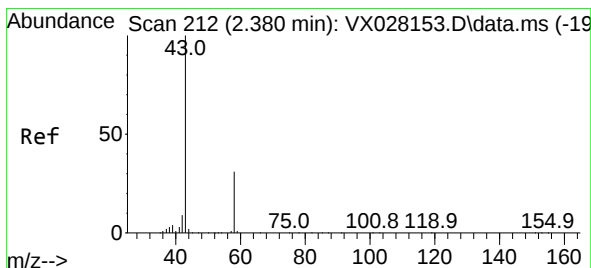
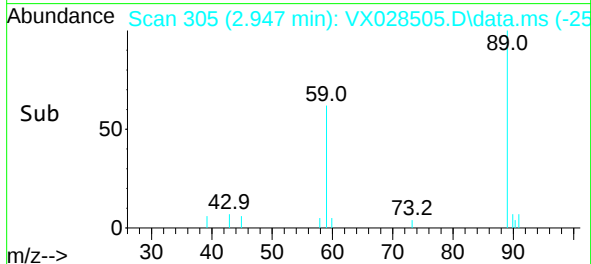
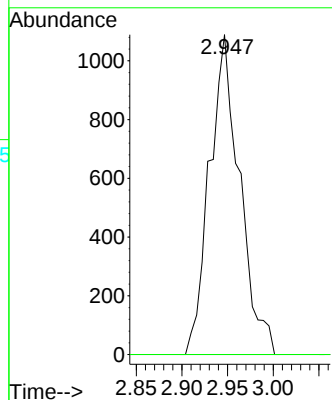
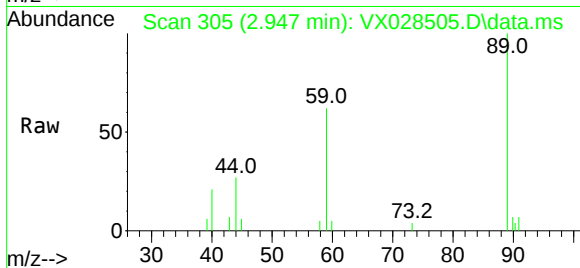




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

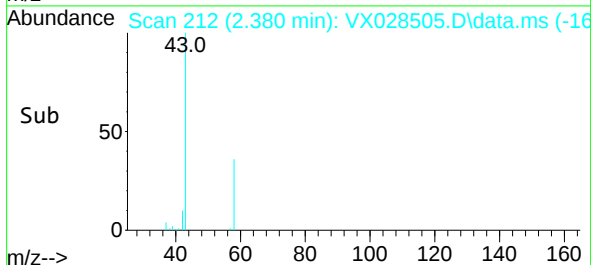
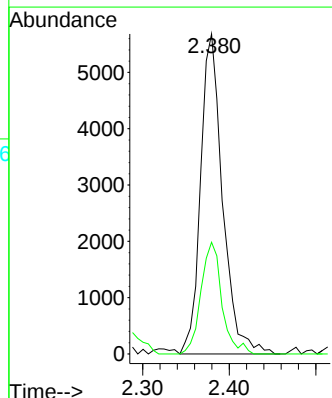
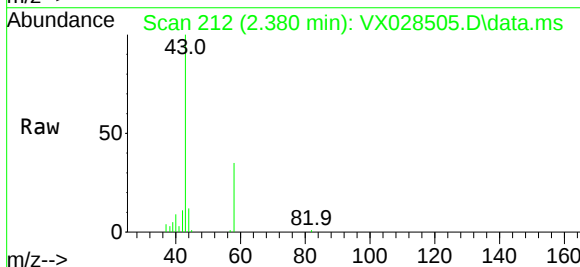
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02

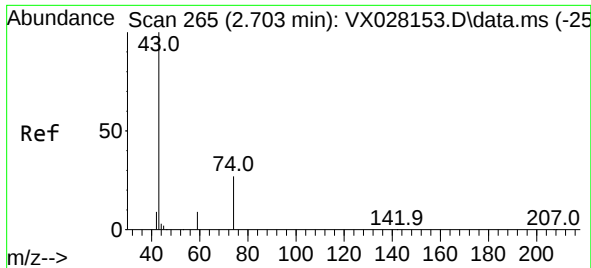
Tgt Ion: 59 Resp: 2499
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.645 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 43 Resp: 10033
Ion Ratio Lower Upper
43 100
58 34.9 28.8 43.2

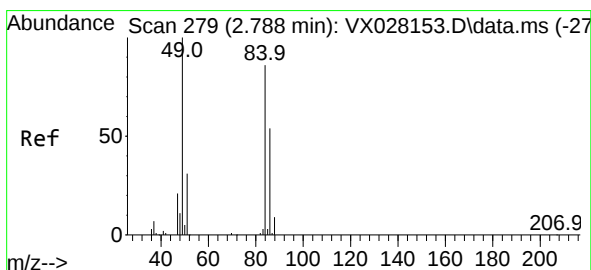
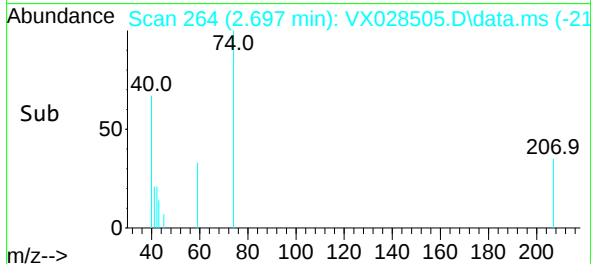
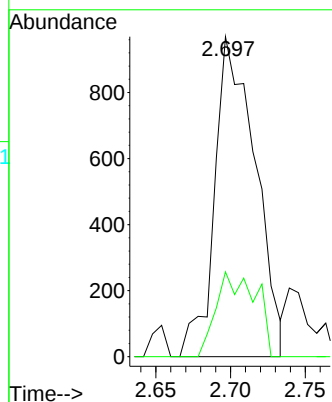
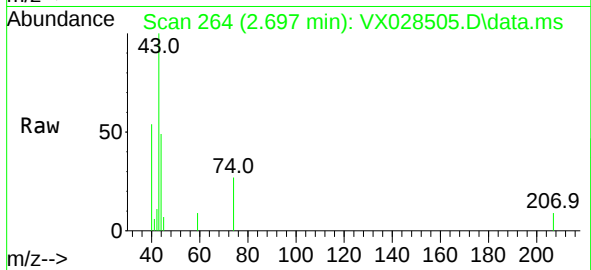




#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 2.697 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

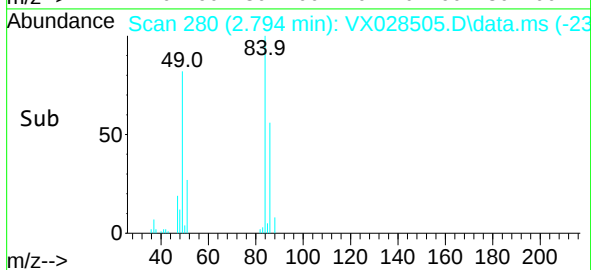
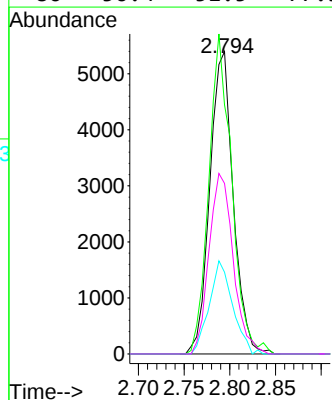
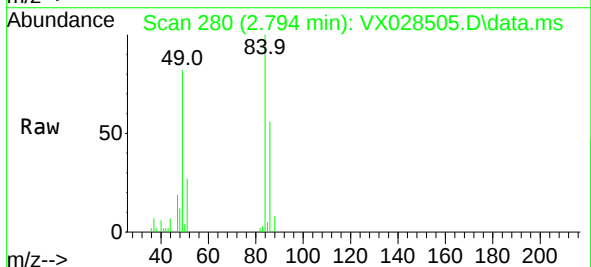
Instrument :
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ClientSampleId :
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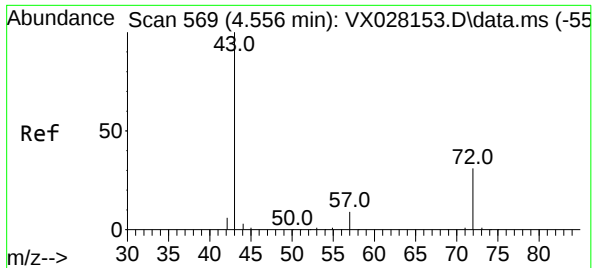
Tgt Ion: 43 Resp: 1836
Ion Ratio Lower Upper
43 100
74 25.6 22.8 34.2



#20
Methylene Chloride
Concen: 2.772 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 84 Resp: 9638
Ion Ratio Lower Upper
84 100
49 82.4 85.5 128.3#
51 27.0 26.6 39.8
86 56.4 51.5 77.3

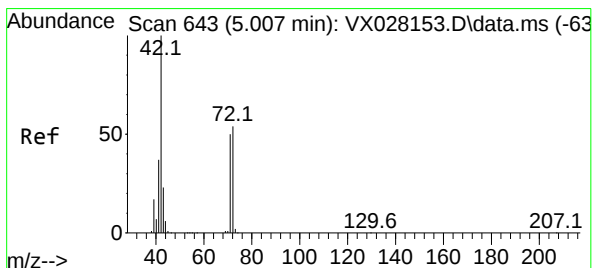
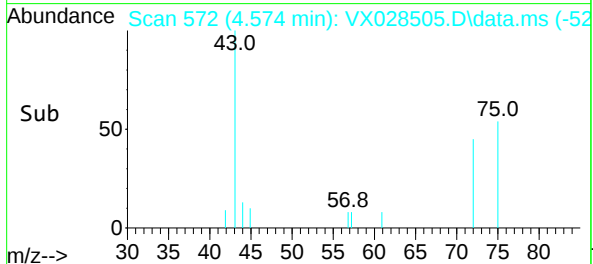
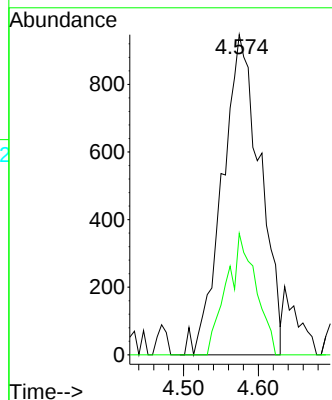
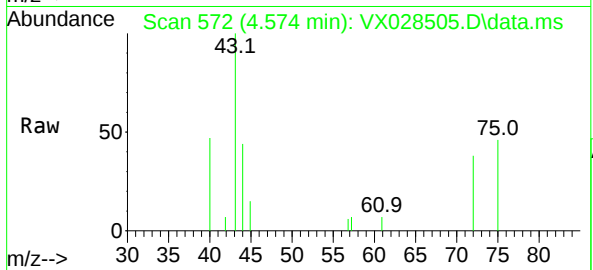




#25
2-Butanone
Concen: 1.202 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

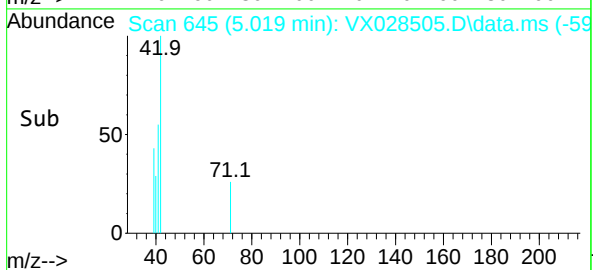
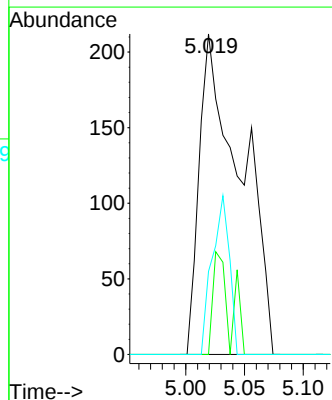
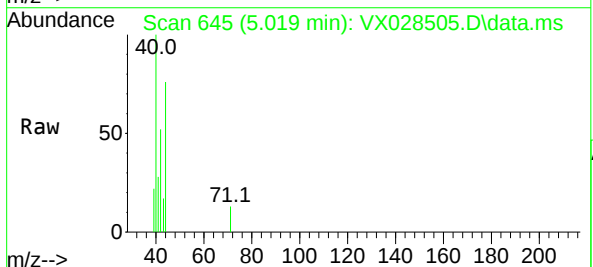
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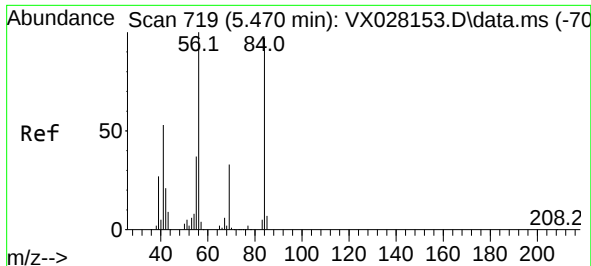
Tgt Ion: 43 Resp: 3336
Ion Ratio Lower Upper
43 100
72 37.9 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.286 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 13.2 44.1 66.1#
71 20.9 40.5 60.7#

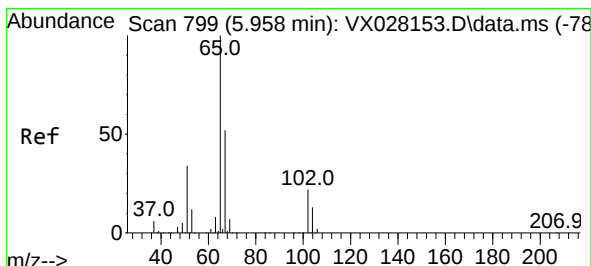
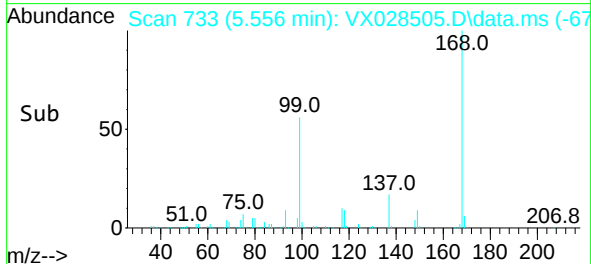
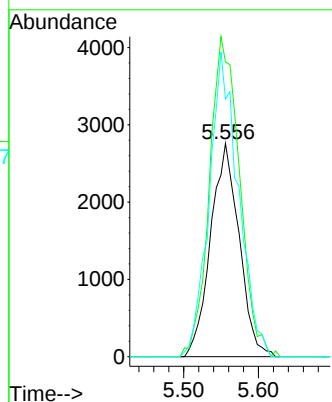
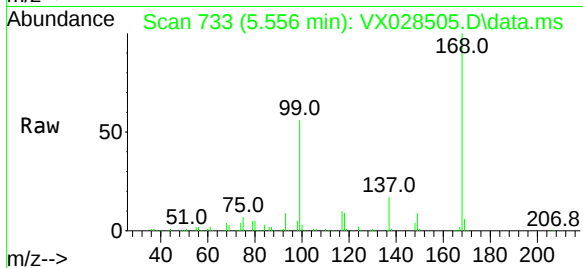




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

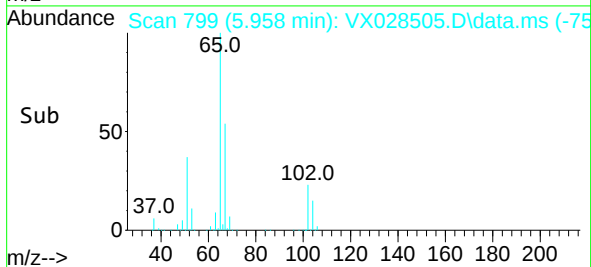
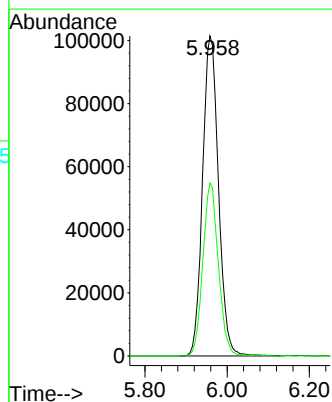
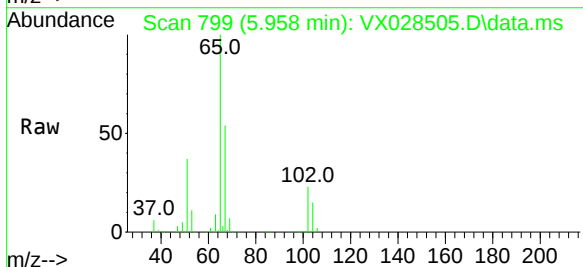
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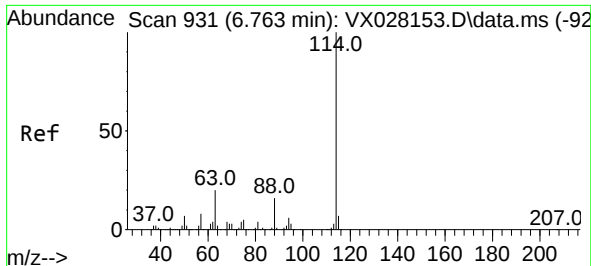
Tgt Ion: 56 Resp: 7324
Ion Ratio Lower Upper
56 100
69 138.1 26.7 40.1#
84 120.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.064 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

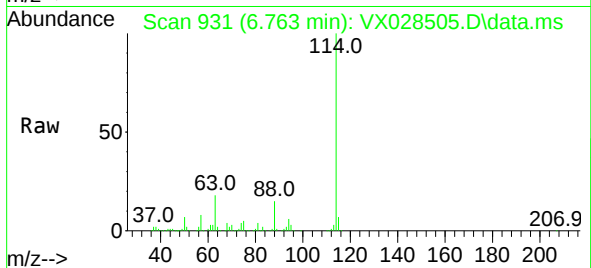
Tgt Ion: 65 Resp: 272116
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4



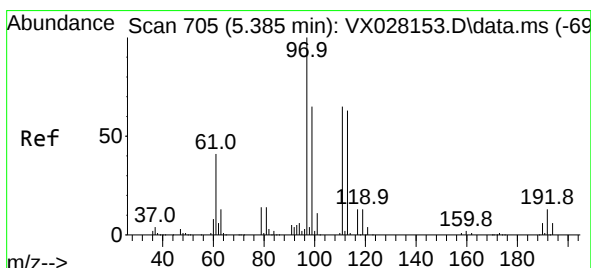
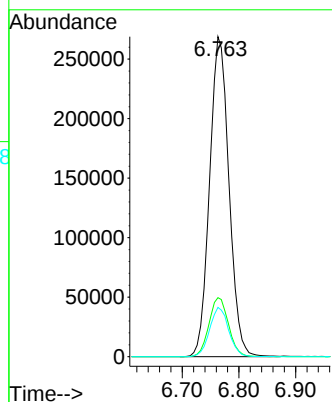
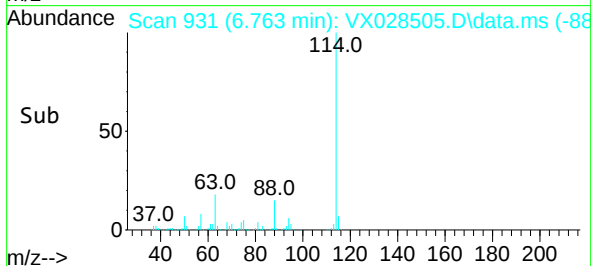


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

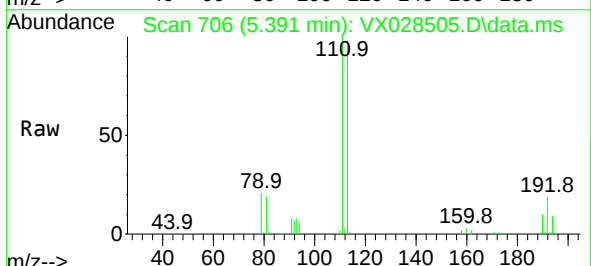
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02



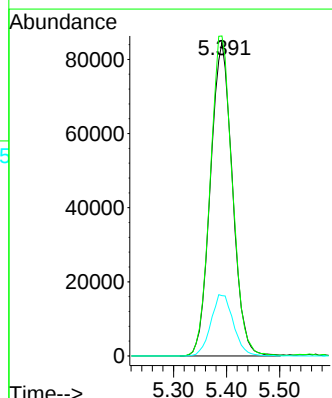
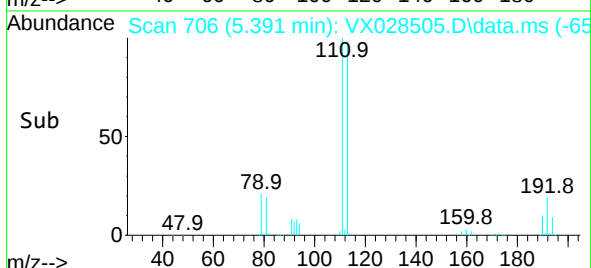
Tgt Ion:114 Resp: 637995
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.8
88 15.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.444 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39



Tgt Ion:113 Resp: 243596
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 20.0 16.9 25.3

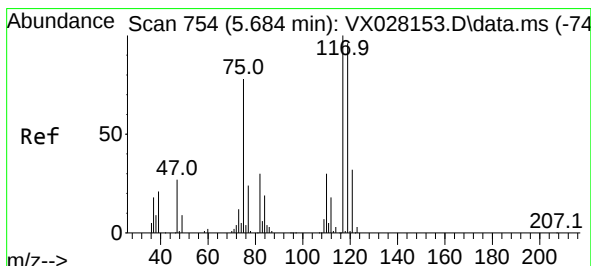
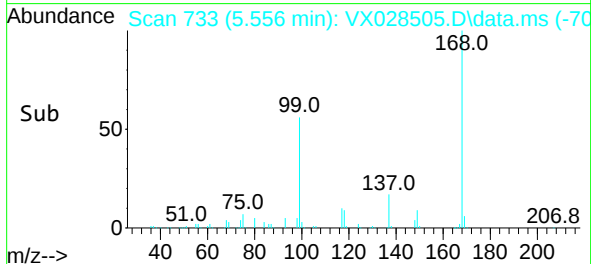
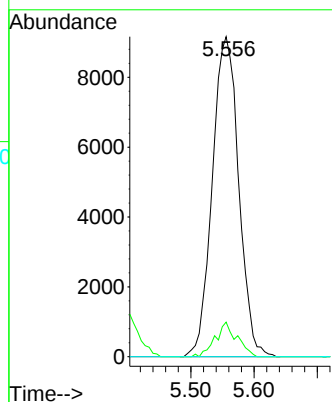
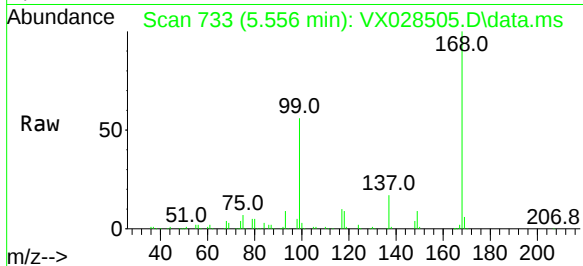




#36
1,1-Dichloropropene
Concen: 4.550 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

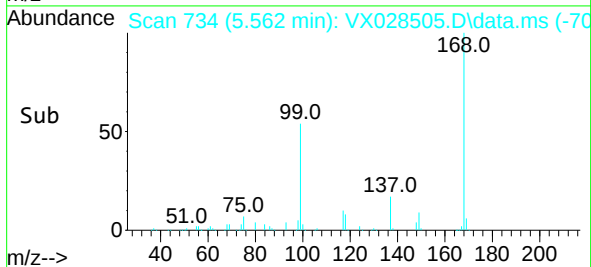
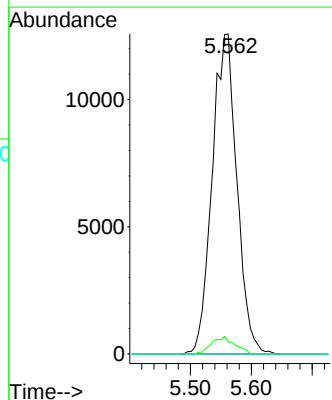
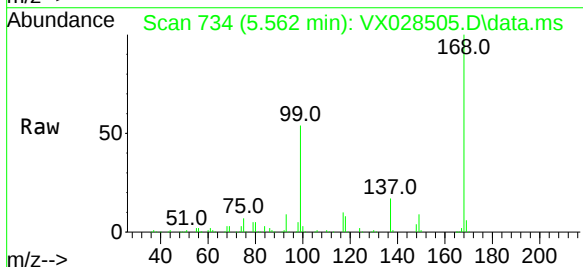
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02

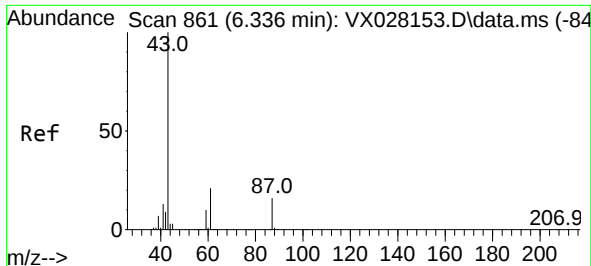
Tgt Ion: 75 Resp: 26553
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.381 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 117 Resp: 35452
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.2 36.2#

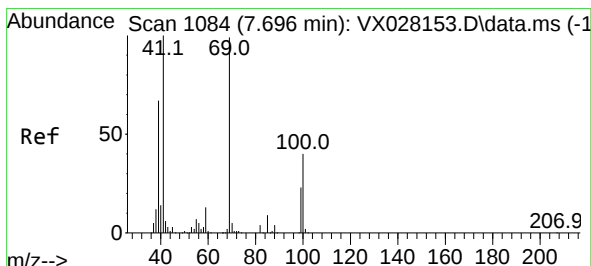
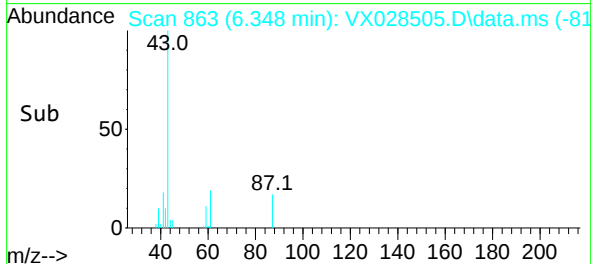
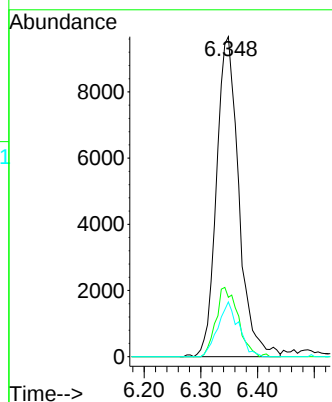
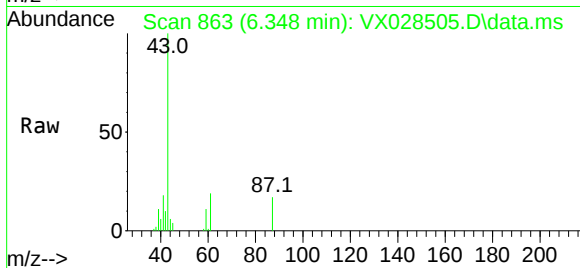




#43
Isopropyl Acetate
Concen: 2.733 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

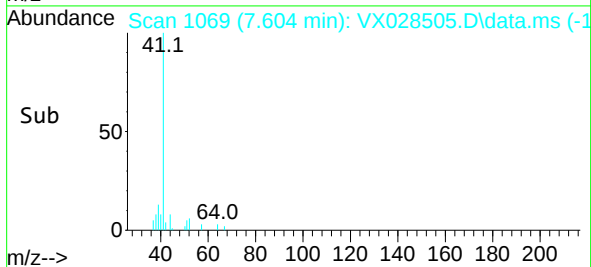
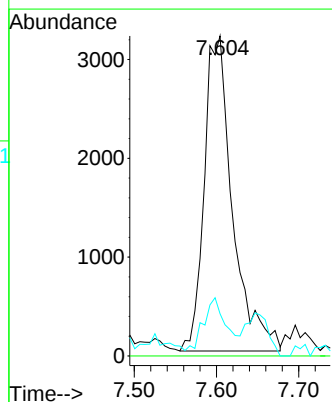
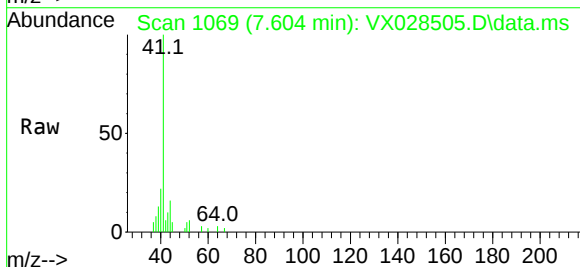
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02

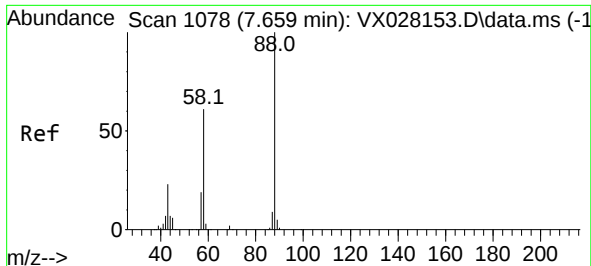
Tgt Ion: 43 Resp: 26339
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.0 13.0 19.6



#48
Methyl methacrylate
Concen: 1.722 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 41 Resp: 7621
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 3.067 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028505.D

Acq: 03 May 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

PB144525ZHE#02

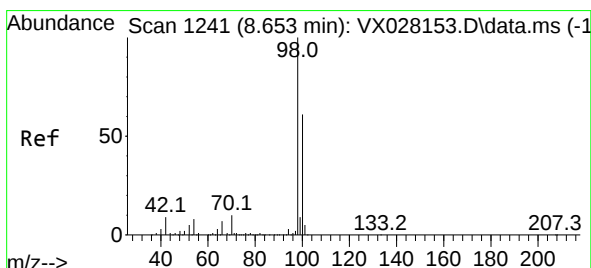
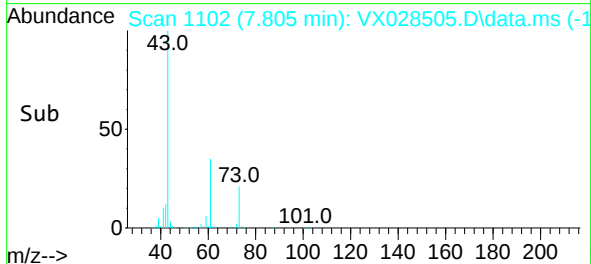
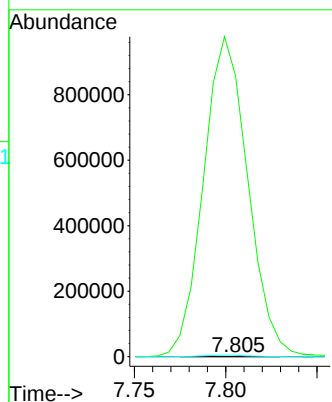
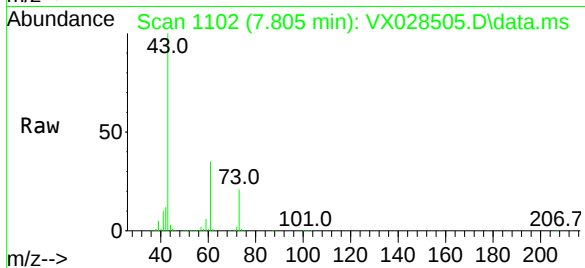
Tgt Ion: 88 Resp: 363

Ion Ratio Lower Upper

88 100

43 458289.0 21.9 32.9#

58 2307.7 53.7 80.5#



#50

Toluene-d8

Concen: 54.626 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028505.D

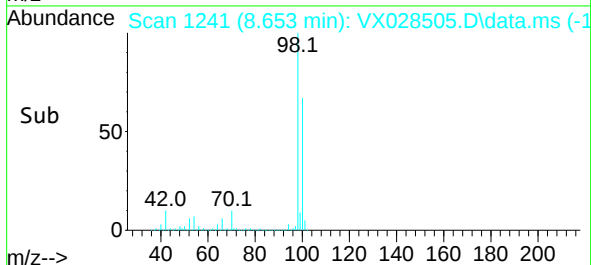
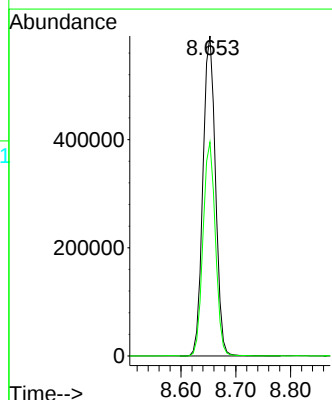
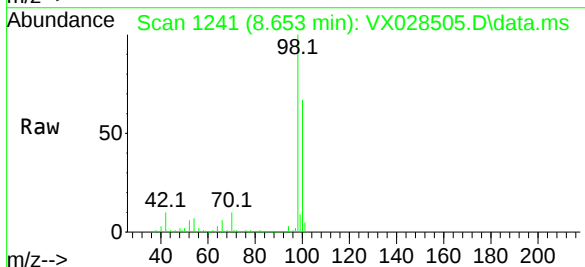
Acq: 03 May 2022 16:39

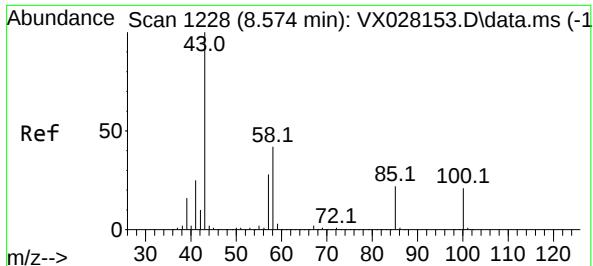
Tgt Ion: 98 Resp: 938720

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8

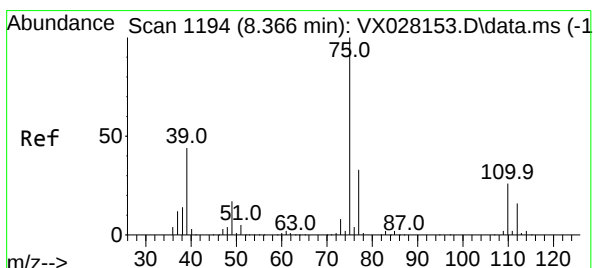
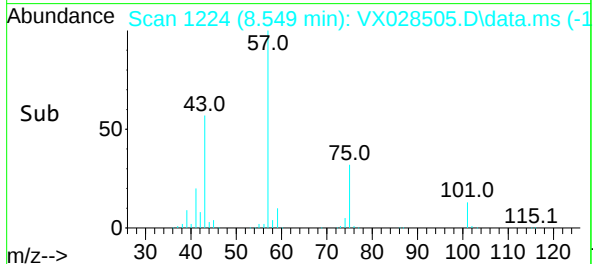
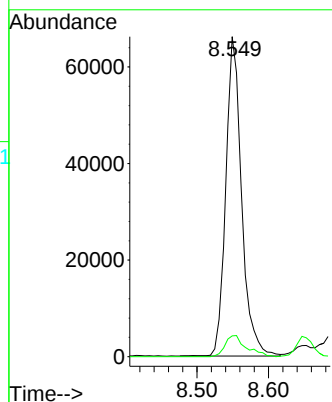
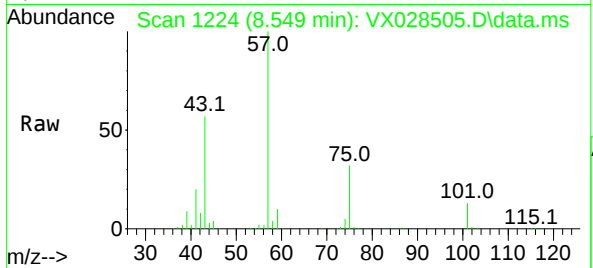




#51
4-Methyl-2-Pentanone
Concen: 16.441 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

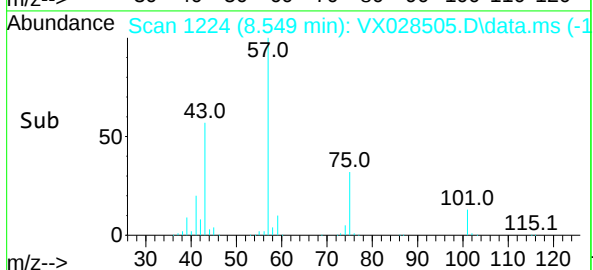
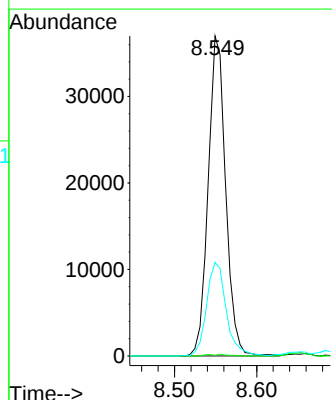
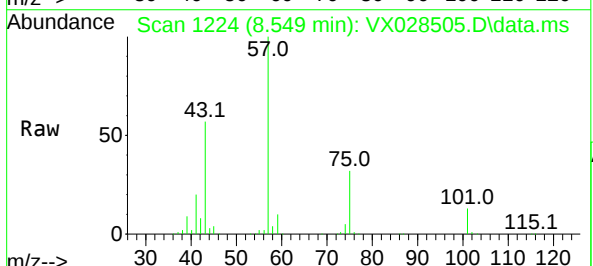
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#02

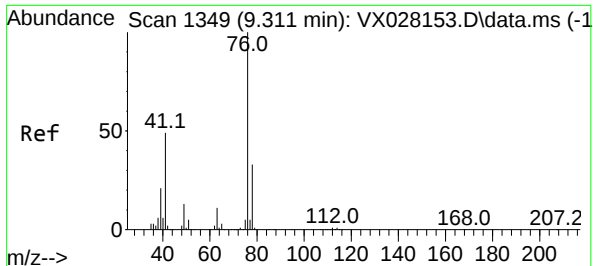
Tgt Ion: 43 Resp: 101686
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.601 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028505.D
Acq: 03 May 2022 16:39

Tgt Ion: 75 Resp: 54691
Ion Ratio Lower Upper
75 100
77 0.2 24.8 37.2#
39 29.3 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.593 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028505.D

Acq: 03 May 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

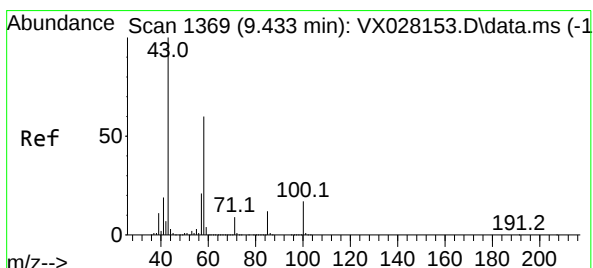
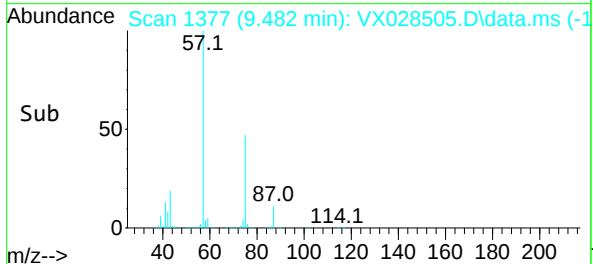
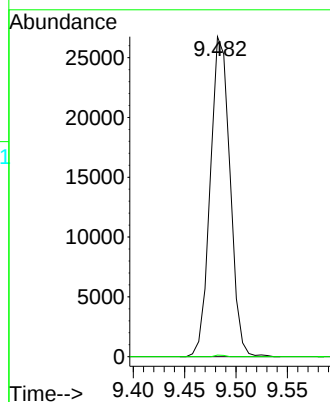
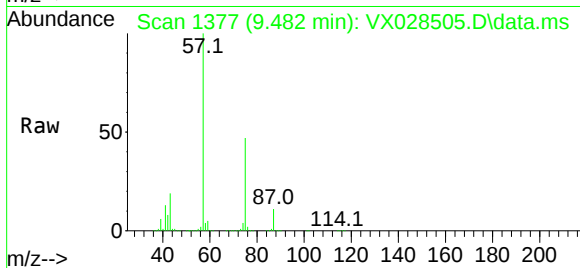
PB144525ZHE#02

Tgt Ion: 76 Resp: 35753

Ion Ratio Lower Upper

76 100

78 0.2 25.8 38.8#



#59

2-Hexanone

Concen: 86.023 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028505.D

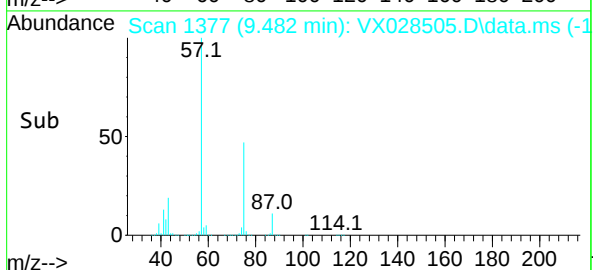
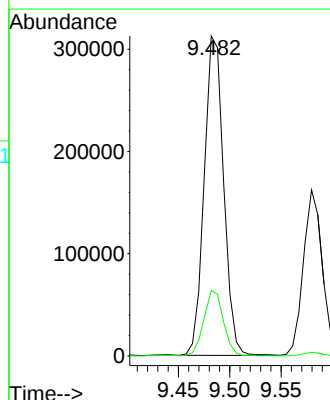
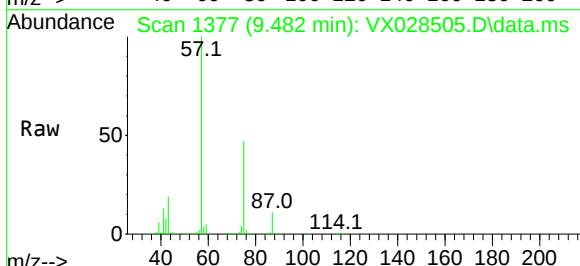
Acq: 03 May 2022 16:39

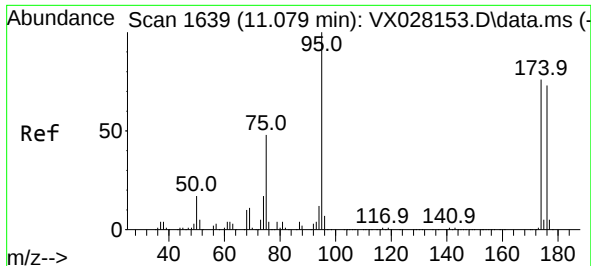
Tgt Ion: 43 Resp: 412122

Ion Ratio Lower Upper

43 100

58 20.6 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 52.706 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX028505.D

Acq: 03 May 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

PB144525ZHE#02

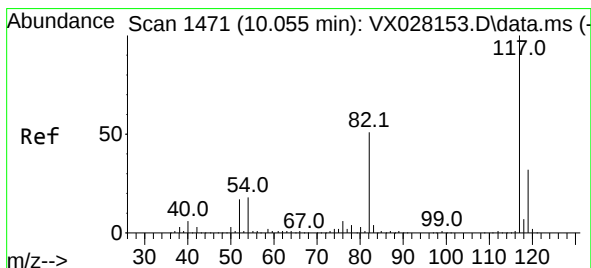
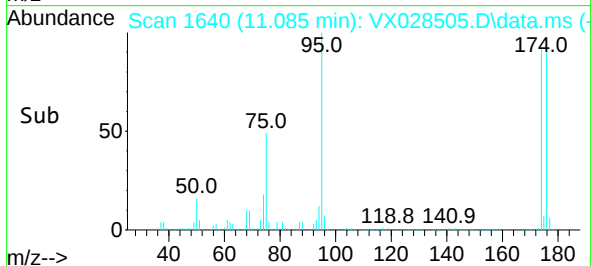
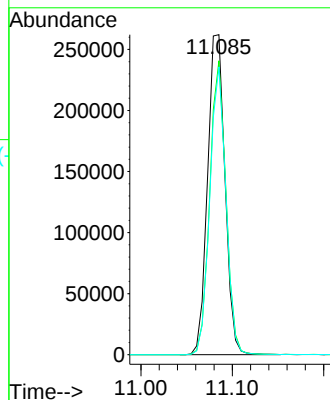
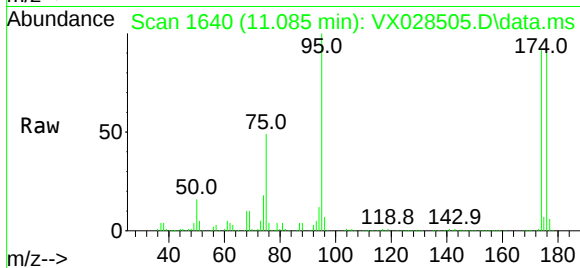
Tgt Ion: 95 Resp: 346314

Ion Ratio Lower Upper

95 100

174 85.3 0.0 163.0

176 83.3 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028505.D

Acq: 03 May 2022 16:39

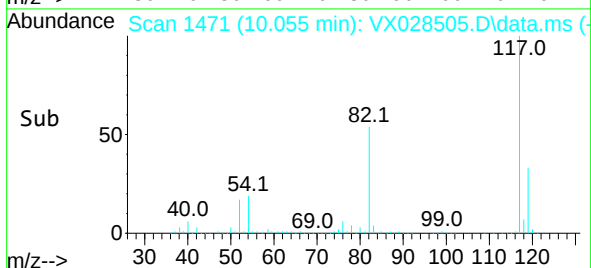
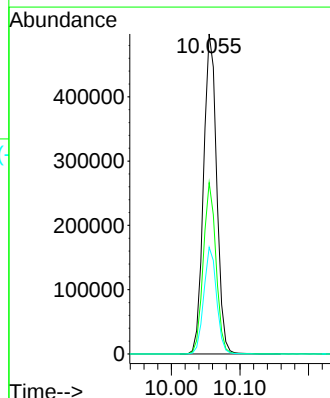
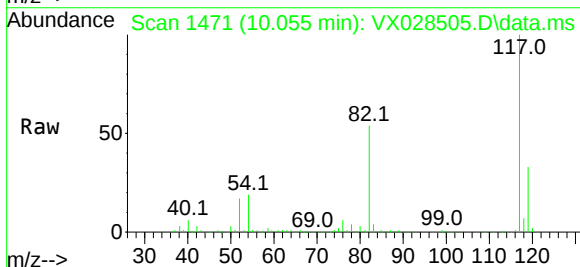
Tgt Ion: 117 Resp: 666053

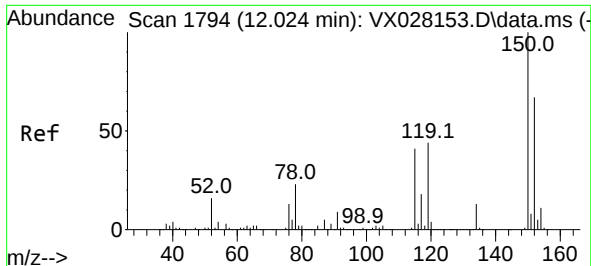
Ion Ratio Lower Upper

117 100

82 53.6 41.8 62.8

119 33.3 24.8 37.2

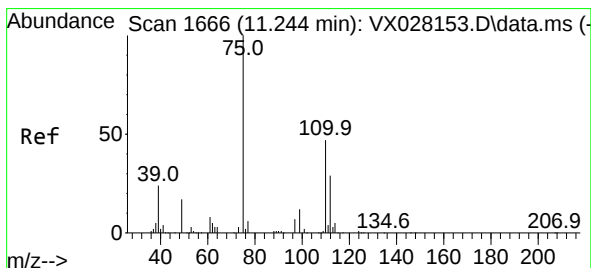
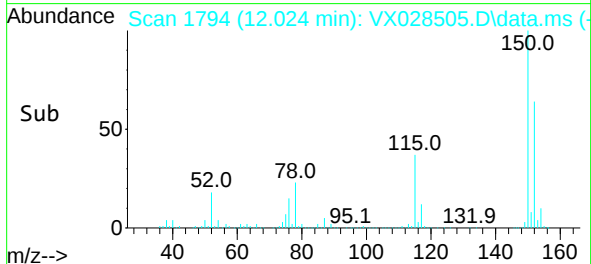
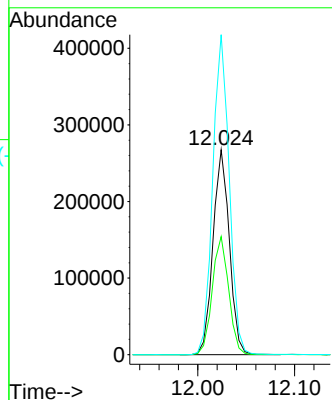
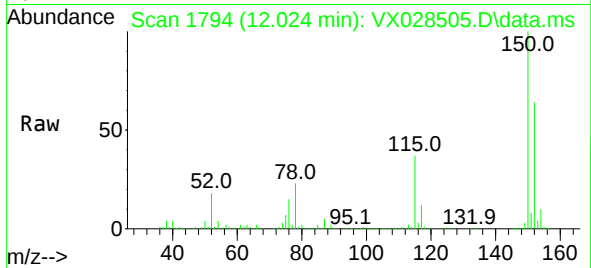




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028505.D
 Acq: 03 May 2022 16:39

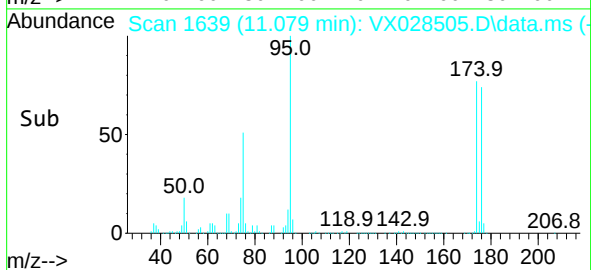
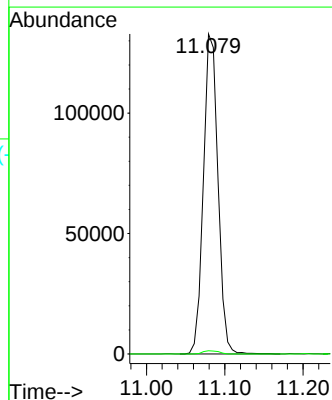
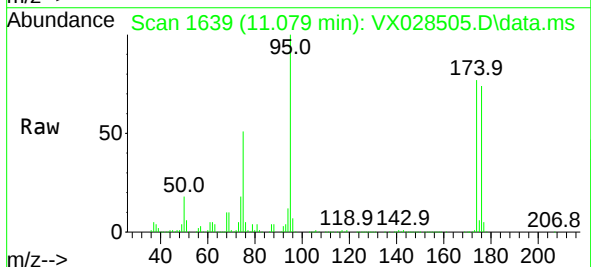
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#02

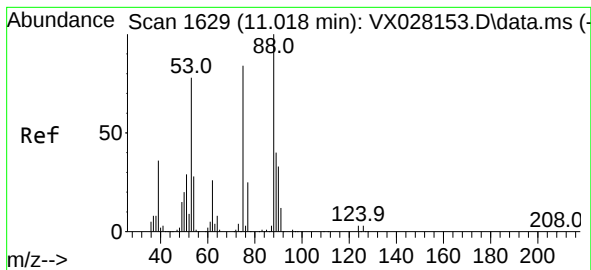
Tgt Ion:152 Resp: 313932
 Ion Ratio Lower Upper
 152 100
 115 57.9 37.5 112.7
 150 157.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 27.717 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028505.D
 Acq: 03 May 2022 16:39

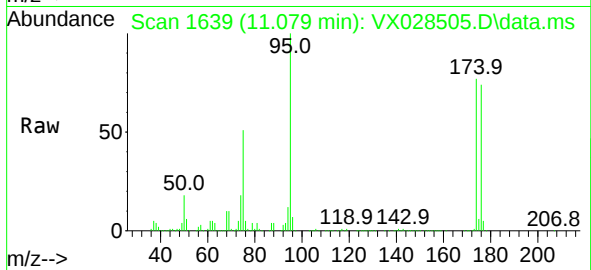
Tgt Ion: 75 Resp: 171249
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.369 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028505.D
 Acq: 03 May 2022 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#02



Tgt Ion: 75 Resp: 171249
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

