

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031522\
 Data File : VX027450.D
 Acq On : 15 Mar 2022 16:21
 Operator : JC/MD
 Sample : PB143354TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB143354TB

Quant Time: Mar 16 04:19:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

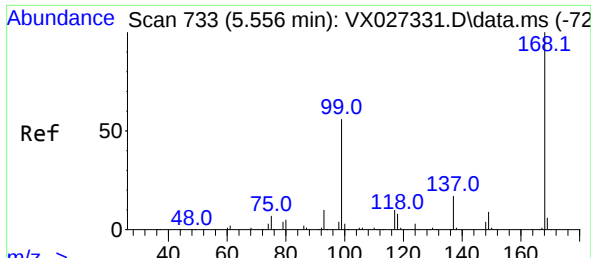
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	344913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	585453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	514379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	236288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	208780	51.907	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.820%
35) Dibromofluoromethane	5.391	113	177944	47.104	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.200%
50) Toluene-d8	8.653	98	647341	45.390	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.780%
62) 4-Bromofluorobenzene	11.085	95	241080	44.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.700%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	653	Below Cal	#	75
6) Chloroethane	1.679	64	378	0.608	ug/l #	43
11) Tert butyl alcohol	2.947	59	1415	1.795	ug/l #	72
16) Acetone	2.380	43	14247	6.324	ug/l #	86
18) Methyl Acetate	2.709	43	1802	0.408	ug/l #	84
20) Methylene Chloride	2.788	84	6549	1.667	ug/l	91
25) 2-Butanone	4.580	43	2605	0.940	ug/l #	70
31) Cyclohexane	5.556	56	6035	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24411	4.654	ug/l #	50
38) Carbon Tetrachloride	5.556	117	34270	6.319	ug/l #	16
43) Isopropyl Acetate	6.348	43	29810	3.577	ug/l	96
48) Methyl methacrylate	7.604	41	8833	2.131	ug/l #	7
49) 1,4-Dioxane	7.805	88	451	4.156	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	103805	18.604	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	48239	7.964	ug/l #	73
57) 1,3-Dichloropropane	9.488	76	33657	4.906	ug/l #	43
59) 2-Hexanone	9.488	43	438749	101.793	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	122245	23.580	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	3225	0.218	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	122245	76.261	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration

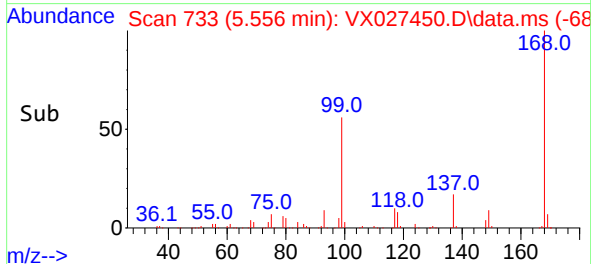
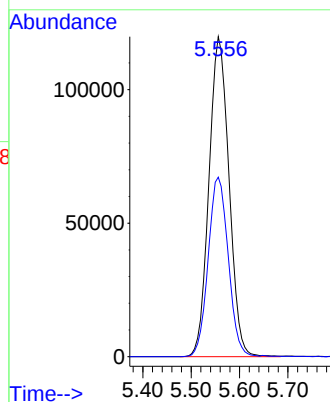
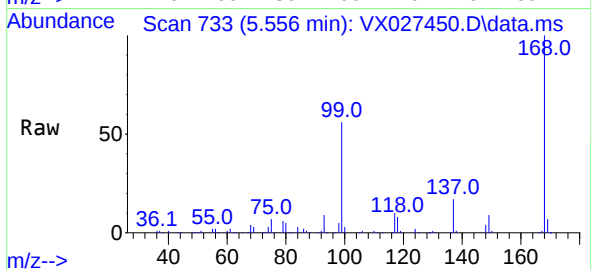




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

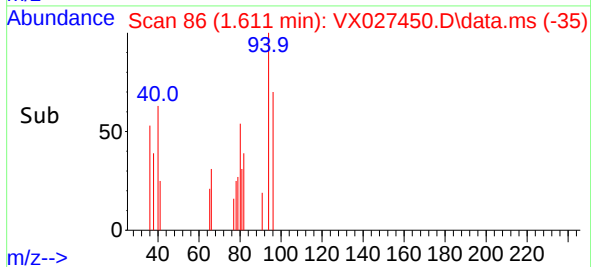
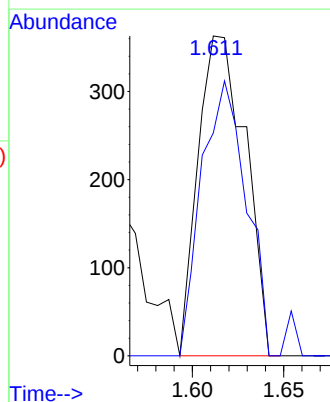
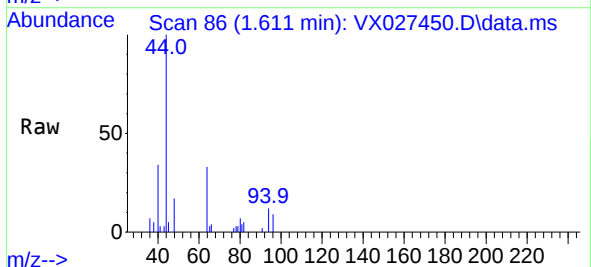
Instrument :
MSVOA_X
ClientSampleId :
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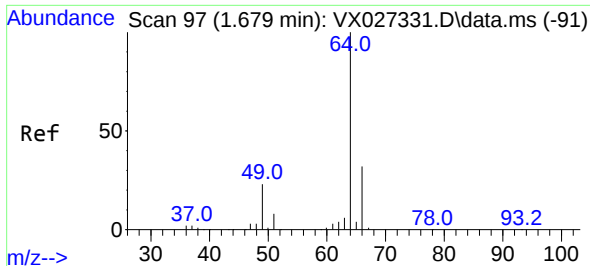
Tgt Ion:168 Resp: 344913
Ion Ratio Lower Upper
168 100
99 56.1 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 94 Resp: 653
Ion Ratio Lower Upper
94 100
96 69.7 75.3 112.9#

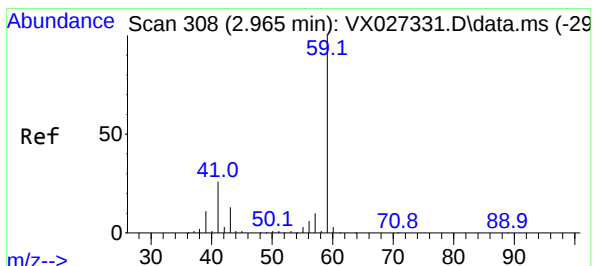
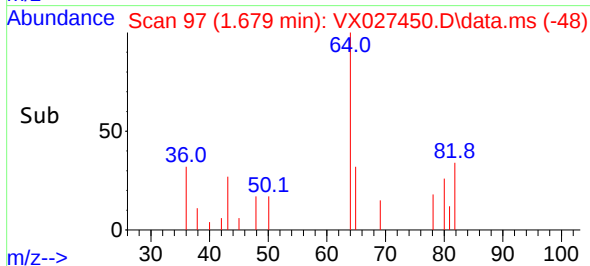
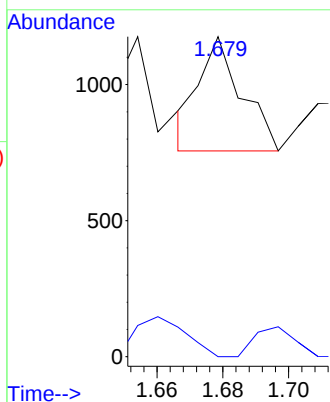
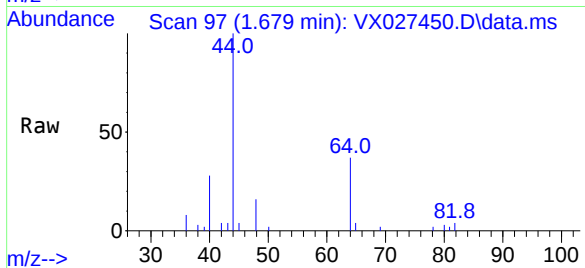




#6
Chloroethane
Concen: 0.608 ug/l
RT: 1.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

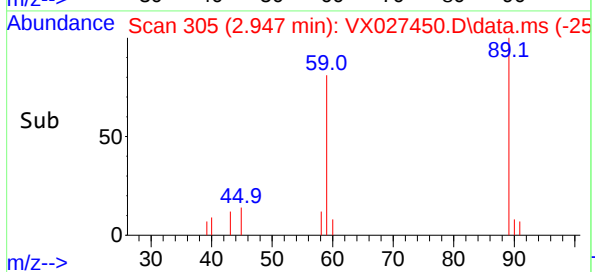
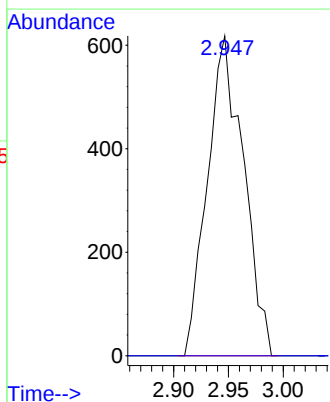
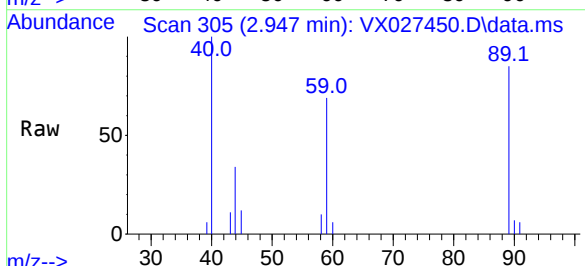
Instrument :
MSVOA_X
ClientSampleId :
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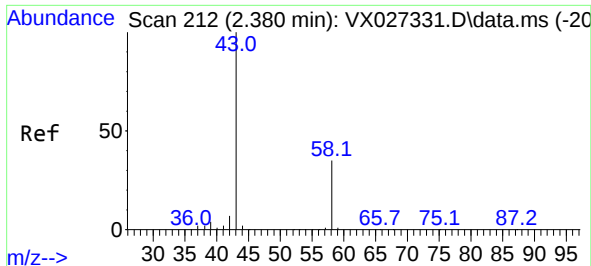
Tgt Ion: 64 Resp: 378
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 1.795 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 59 Resp: 1415
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

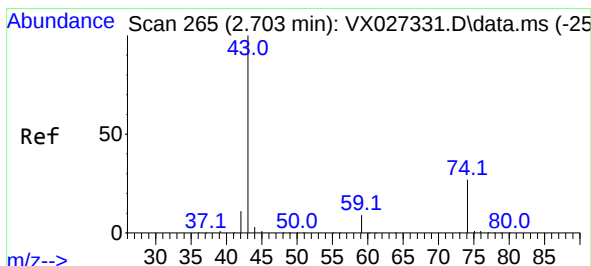
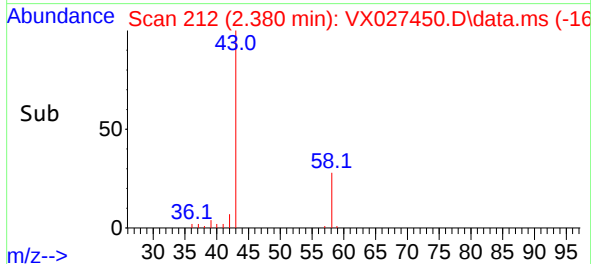
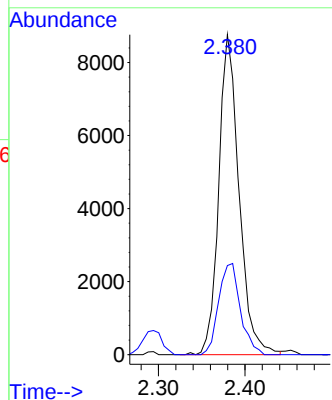
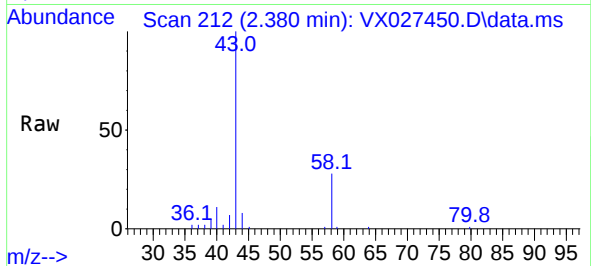




#16
Acetone
Concen: 6.324 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

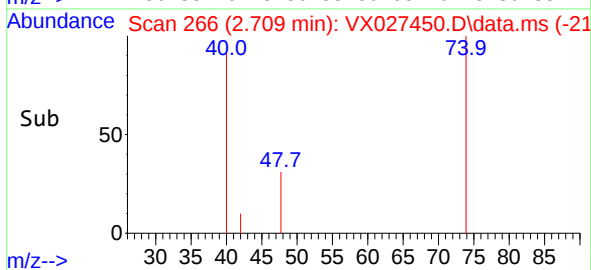
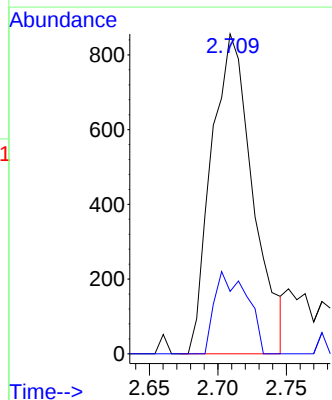
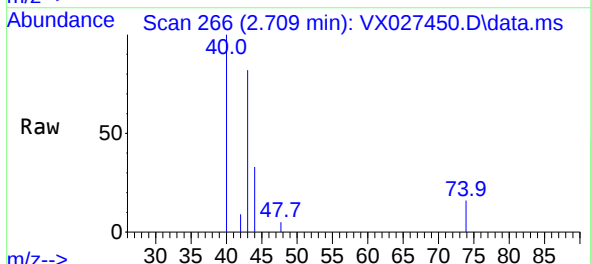
Instrument :
MSVOA_X
ClientSampleId :
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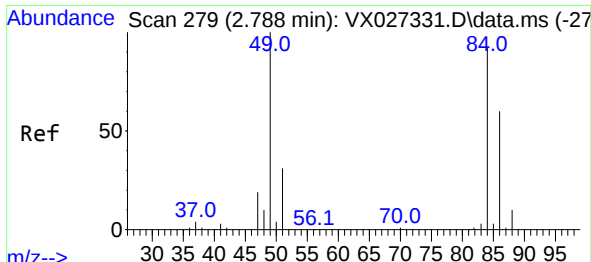
Tgt Ion: 43 Resp: 14247
Ion Ratio Lower Upper
43 100
58 27.9 28.8 43.2#



#18
Methyl Acetate
Concen: 0.408 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
74 20.1 22.8 34.2#

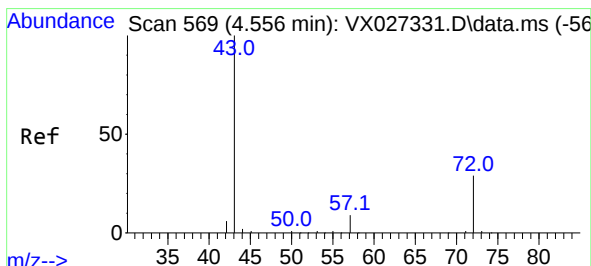
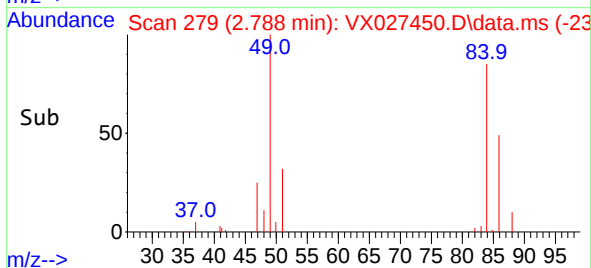
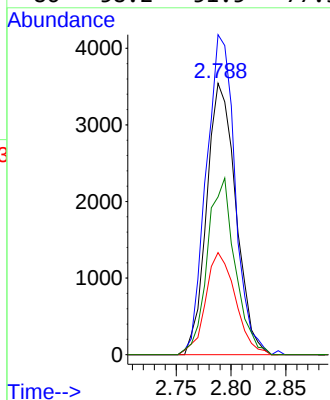
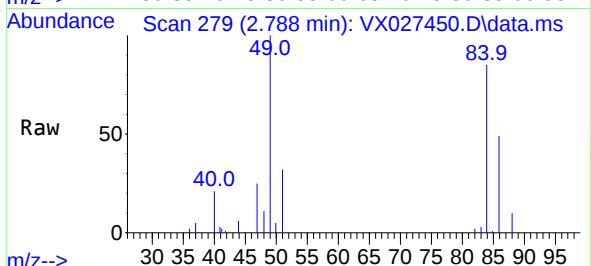




#20
Methylene Chloride
Concen: 1.667 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

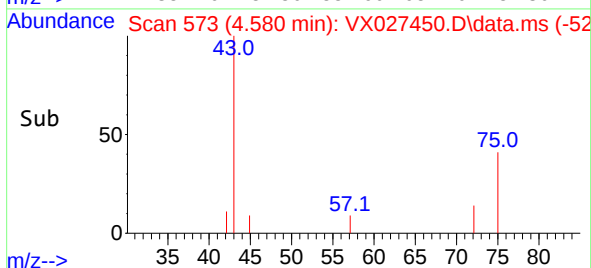
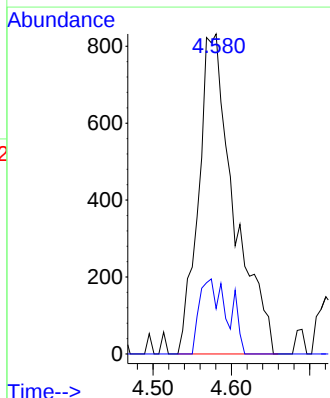
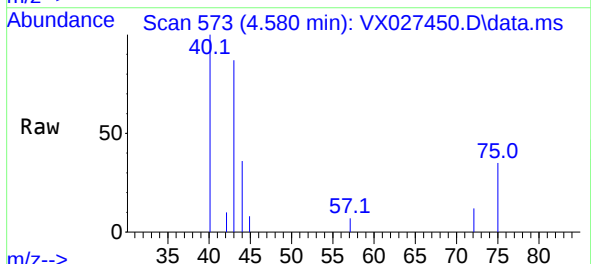
Instrument :
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ClientSampleId :
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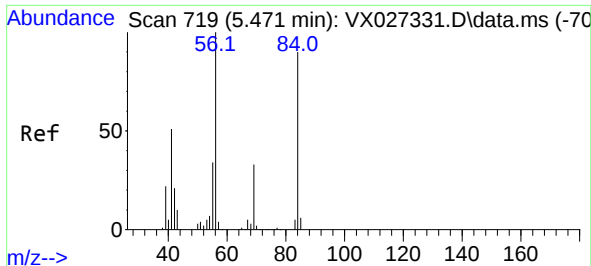
Tgt Ion:	84	Resp:	6549
Ion	Ratio	Lower	Upper
84	100		
49	117.9	85.5	128.3
51	37.7	26.6	39.8
86	58.2	51.5	77.3



#25
2-Butanone
Concen: 0.940 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion:	43	Resp:	2605
Ion	Ratio	Lower	Upper
43	100		
72	14.2	24.4	36.6

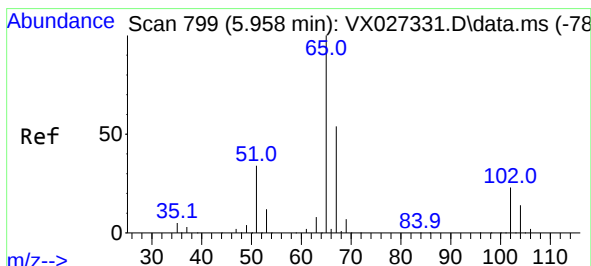
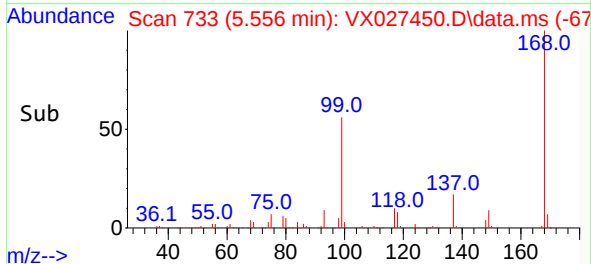
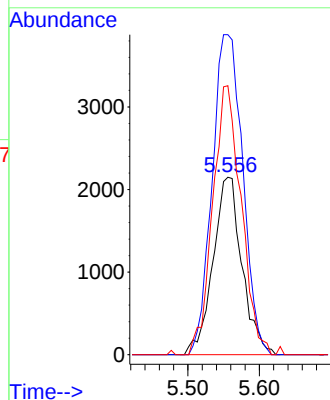
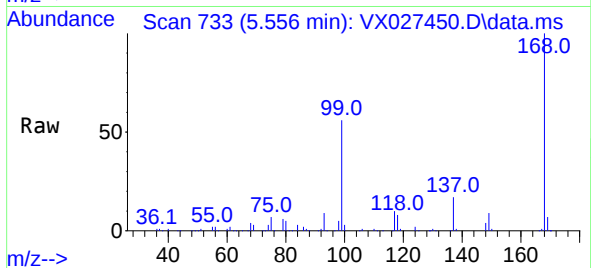




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

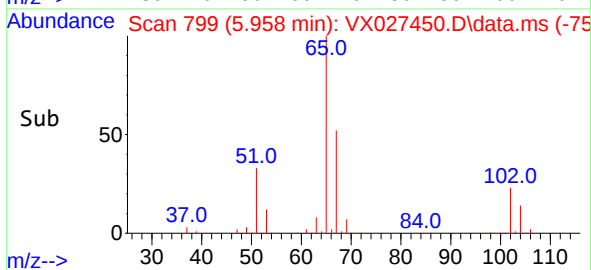
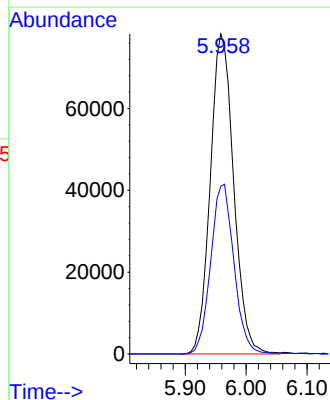
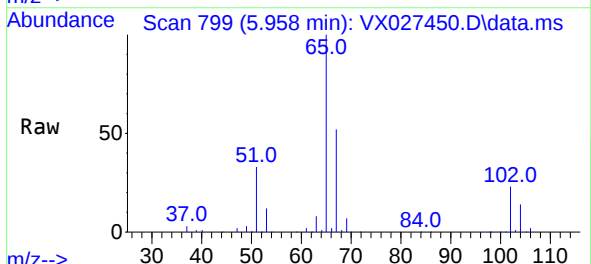
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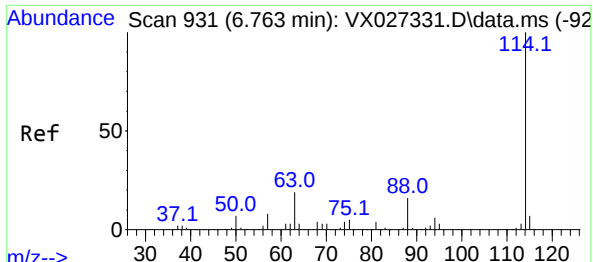
Tgt Ion: 56 Resp: 6035
Ion Ratio Lower Upper
56 100
69 180.3 26.7 40.1#
84 151.6 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 51.907 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 65 Resp: 208780
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4

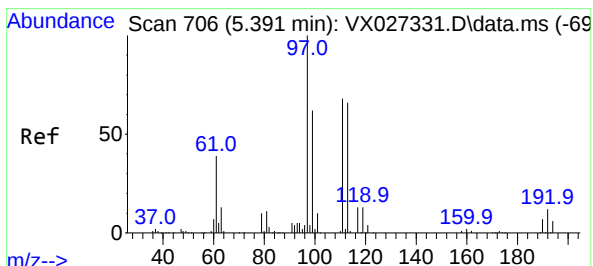
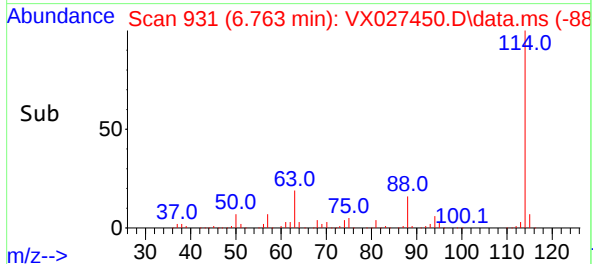
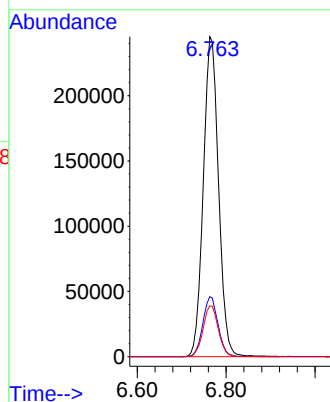
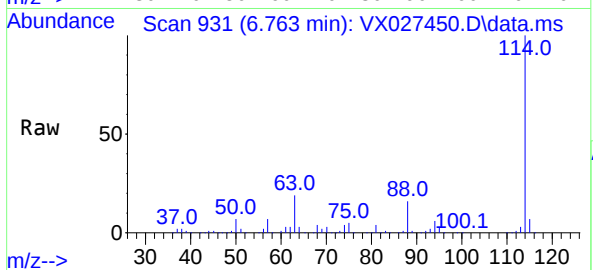




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

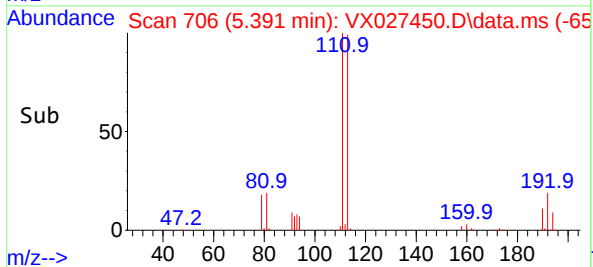
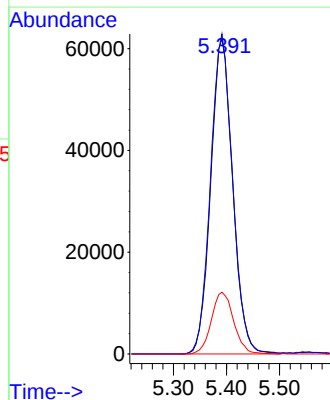
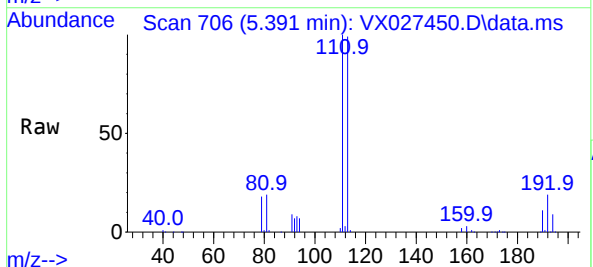
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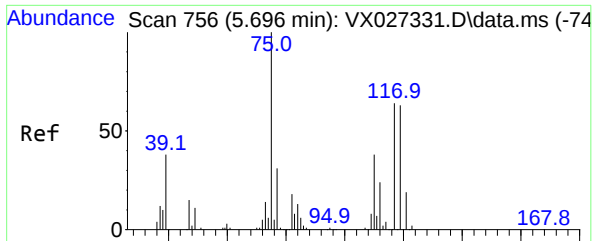
Tgt Ion:114 Resp: 585453
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.104 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion:113 Resp: 177944
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 19.9 16.9 25.3

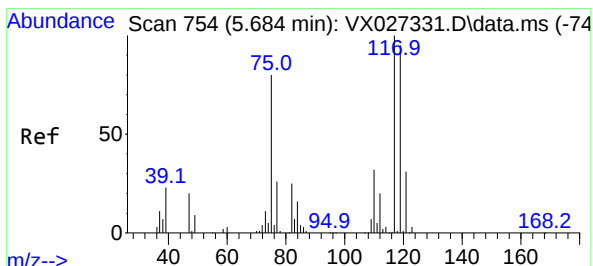
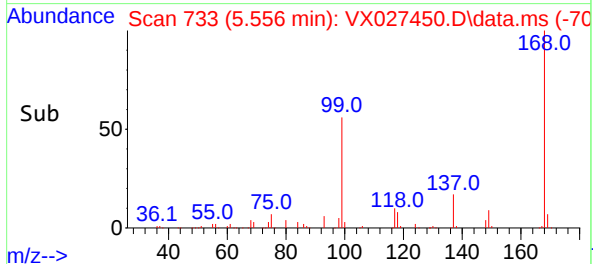
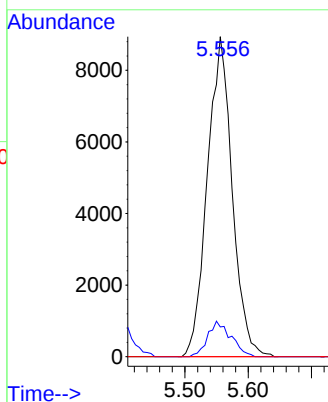
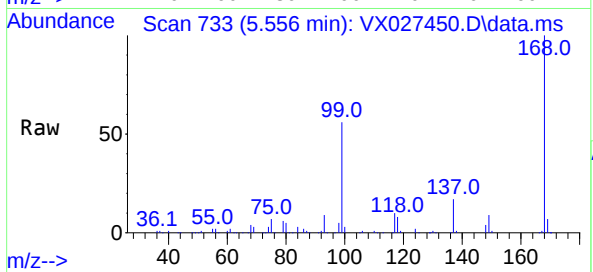




#36
1,1-Dichloropropene
Concen: 4.654 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

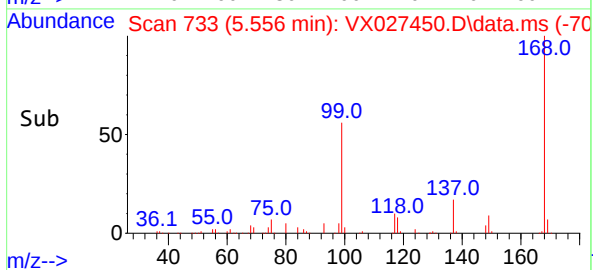
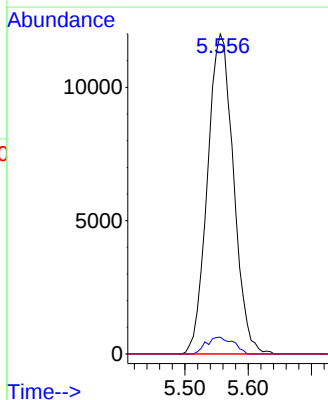
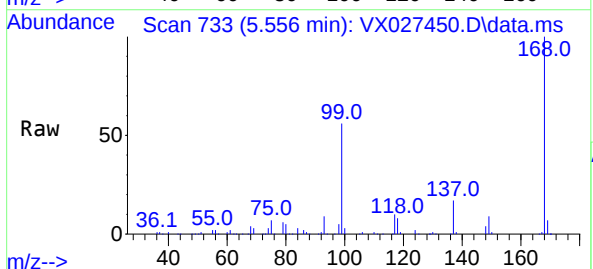
Instrument :
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ClientSampleId :
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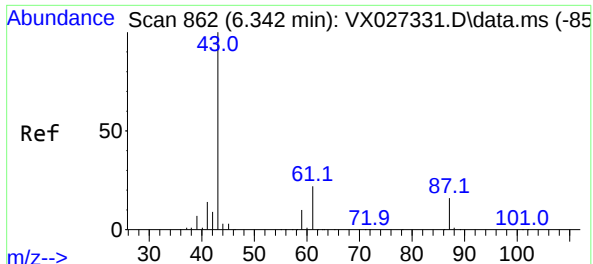
Tgt Ion: 75 Resp: 24411
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 117 Resp: 34270
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 3.577 ug/l

RT: 6.348 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027450.D

Acq: 15 Mar 2022 16:21

Instrument :

MSVOA_X

ClientSampleId :

PB143354TB

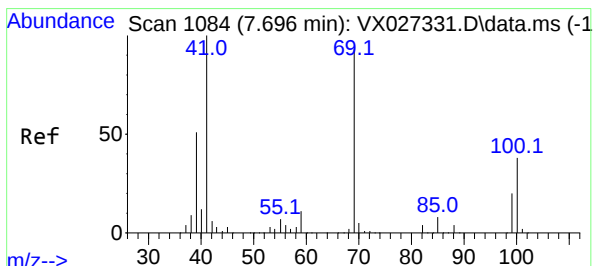
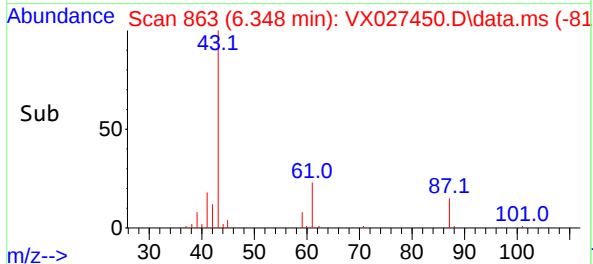
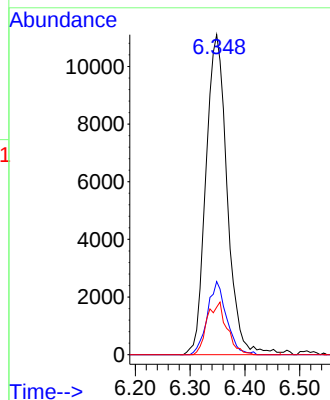
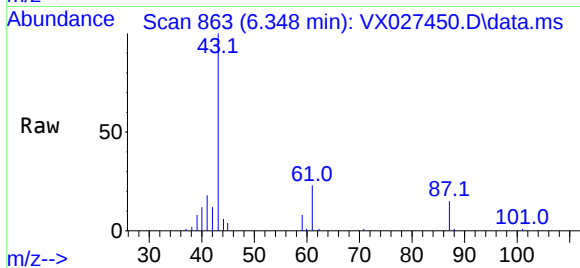
Tgt Ion: 43 Resp: 29810

Ion Ratio Lower Upper

43 100

61 20.7 18.5 27.7

87 15.4 13.0 19.6



#48

Methyl methacrylate

Concen: 2.131 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.092 min

Lab File: VX027450.D

Acq: 15 Mar 2022 16:21

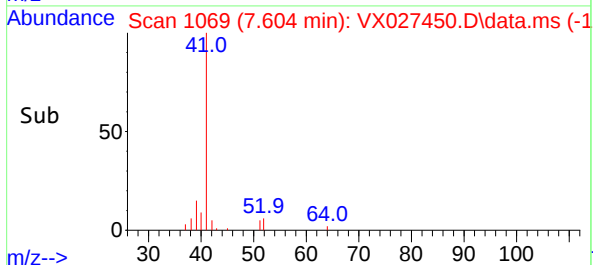
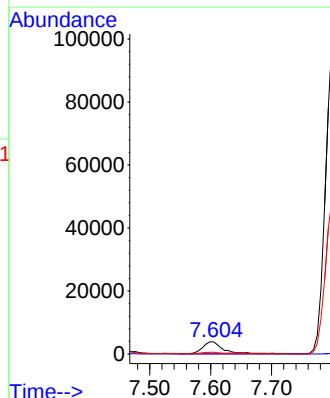
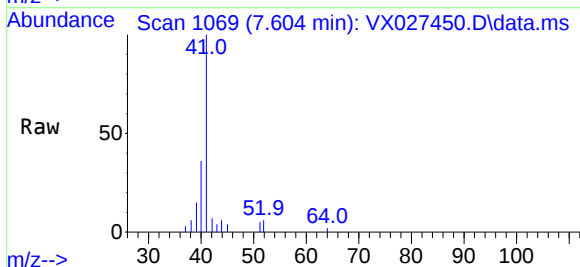
Tgt Ion: 41 Resp: 8833

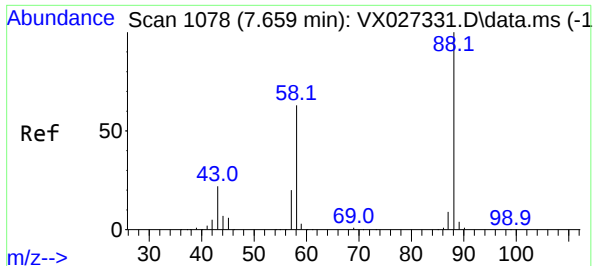
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#

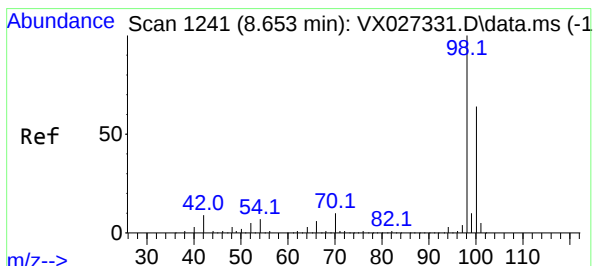
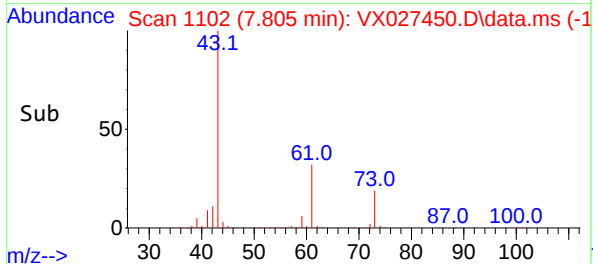
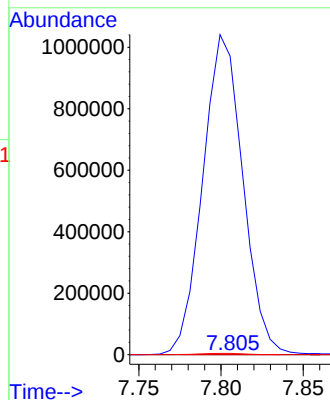
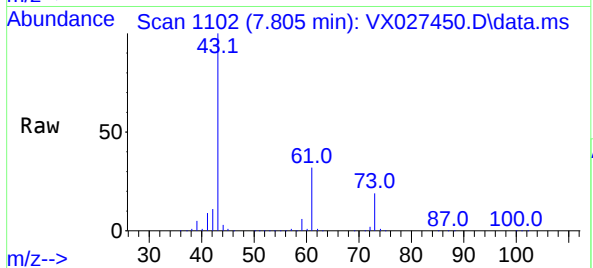




#49
1,4-Dioxane
Concen: 4.156 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

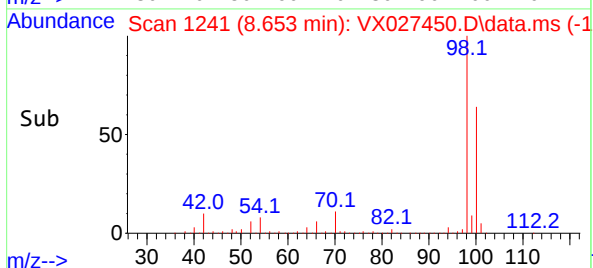
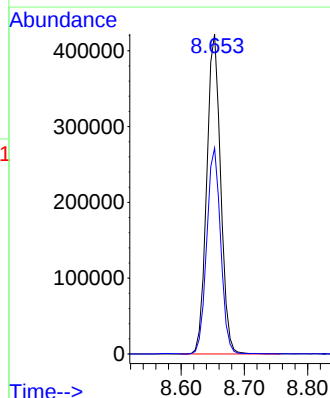
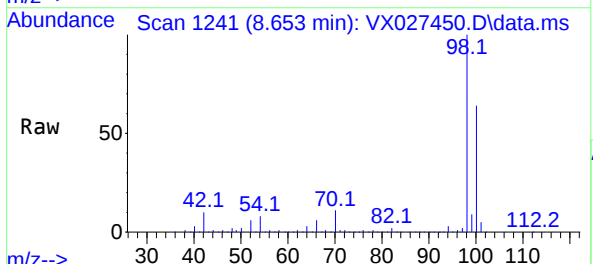
Instrument :
MSVOA_X
ClientSampleId :
PB143354TB

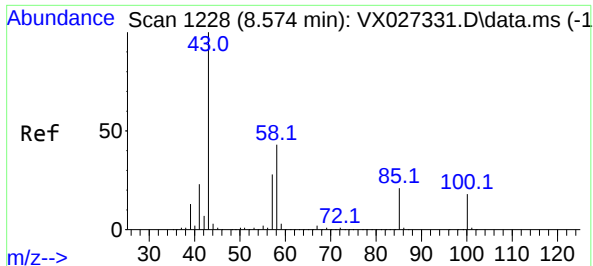
Tgt Ion: 88 Resp: 451
Ion Ratio Lower Upper
88 100
43 393676.7 21.9 32.9#
58 1769.6 53.7 80.5#



#50
Toluene-d8
Concen: 45.390 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 98 Resp: 647341
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 18.604 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX027450.D

Acq: 15 Mar 2022 16:21

Instrument :

MSVOA_X

ClientSampleId :

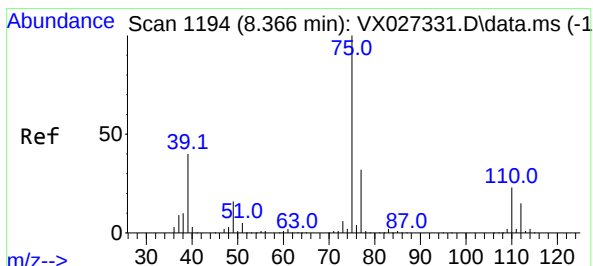
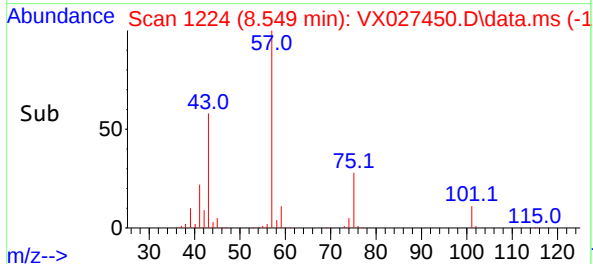
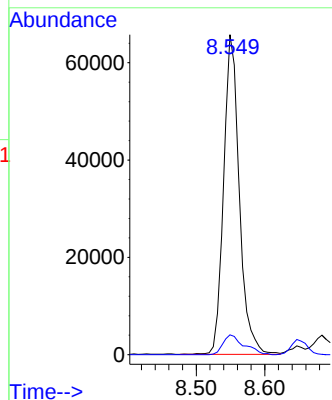
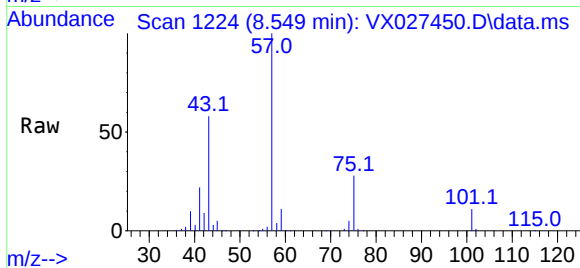
PB143354TB

Tgt Ion: 43 Resp: 103805

Ion Ratio Lower Upper

43 100

58 8.3 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.964 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX027450.D

Acq: 15 Mar 2022 16:21

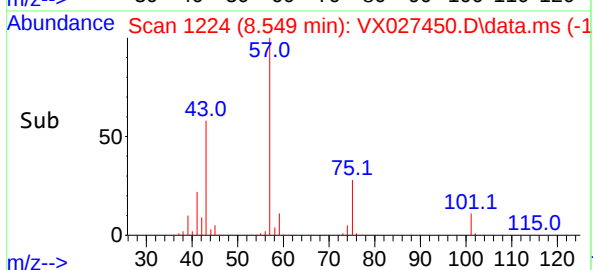
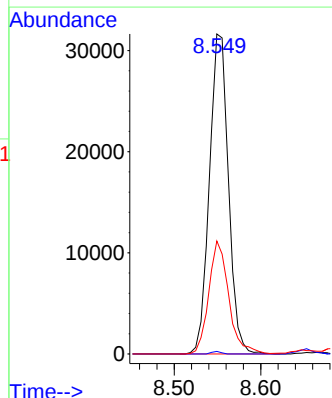
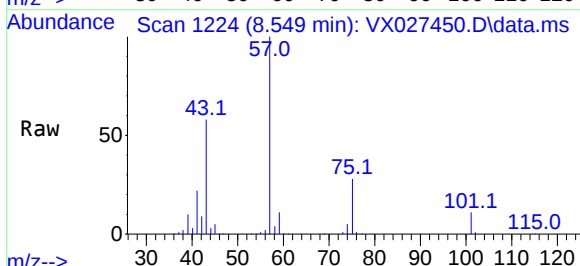
Tgt Ion: 75 Resp: 48239

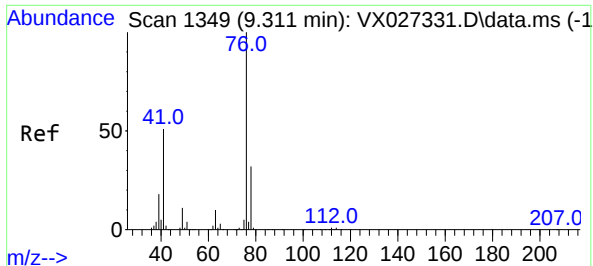
Ion Ratio Lower Upper

75 100

77 0.8 24.8 37.2#

39 35.3 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.906 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX027450.D

Acq: 15 Mar 2022 16:21

Instrument :

MSVOA_X

ClientSampleId :

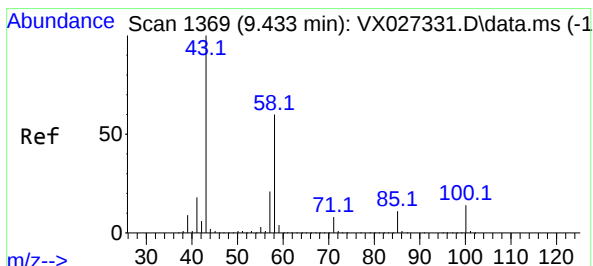
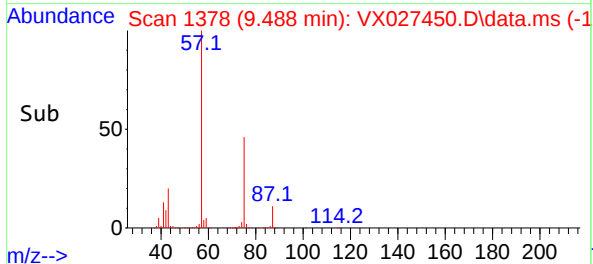
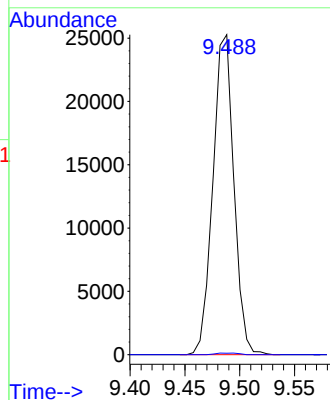
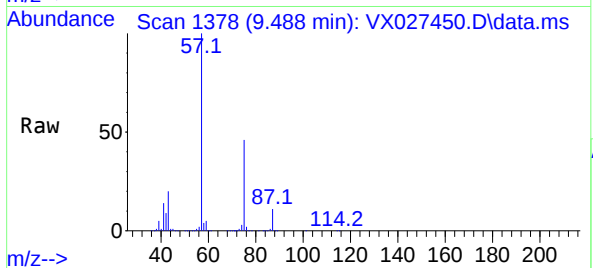
PB143354TB

Tgt Ion: 76 Resp: 33657

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 101.793 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX027450.D

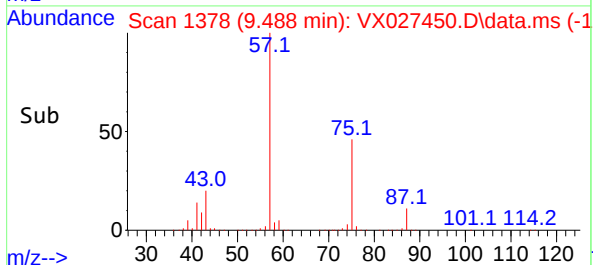
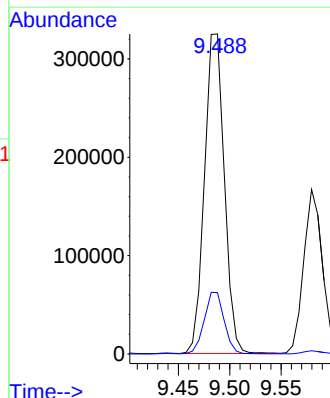
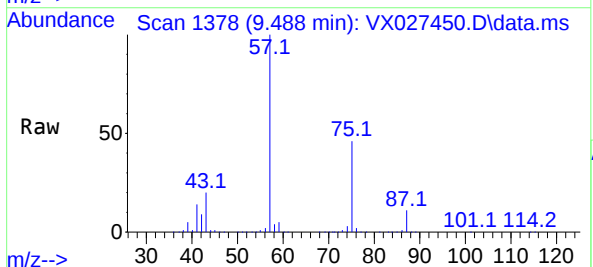
Acq: 15 Mar 2022 16:21

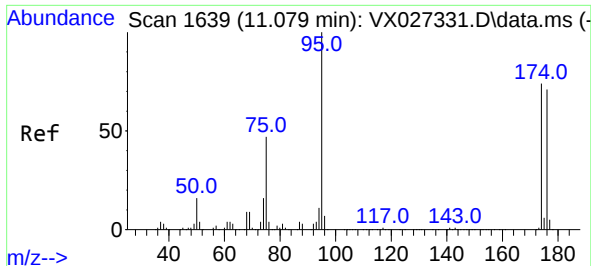
Tgt Ion: 43 Resp: 438749

Ion Ratio Lower Upper

43 100

58 19.3 31.9 95.7#

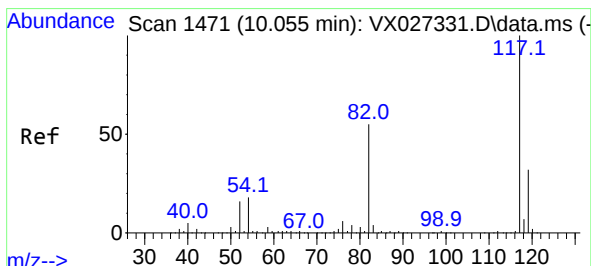
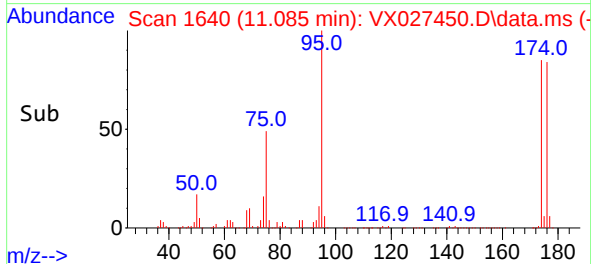
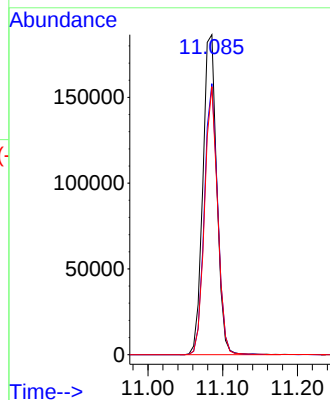
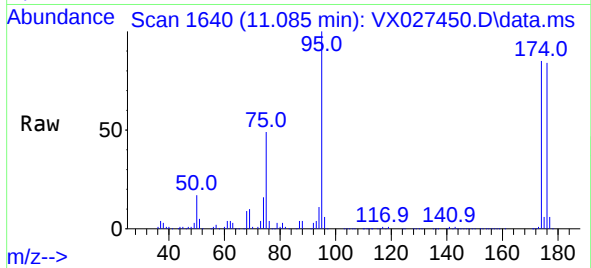




#62
4-Bromofluorobenzene
Concen: 44.352 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

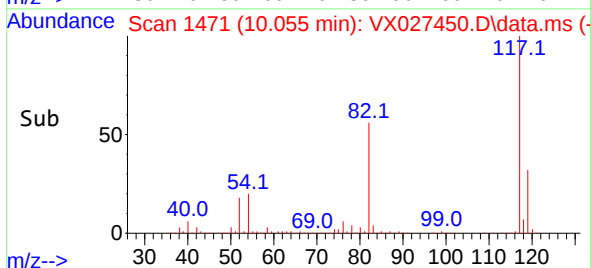
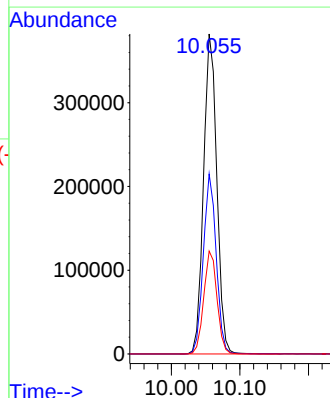
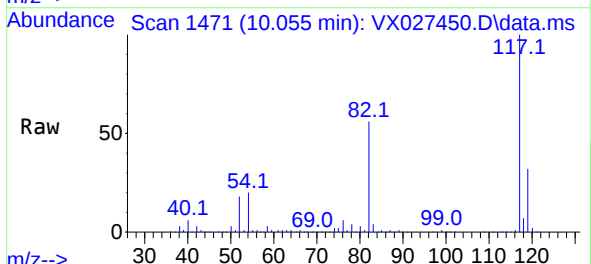
Instrument :
MSVOA_X
ClientSampleId :
PB143354TB

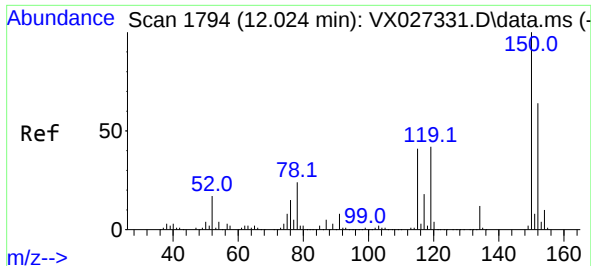
Tgt Ion: 95 Resp: 241080
Ion Ratio Lower Upper
95 100
174 81.0 0.0 163.0
176 78.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 117 Resp: 514379
Ion Ratio Lower Upper
117 100
82 56.2 41.8 62.8
119 32.1 24.8 37.2

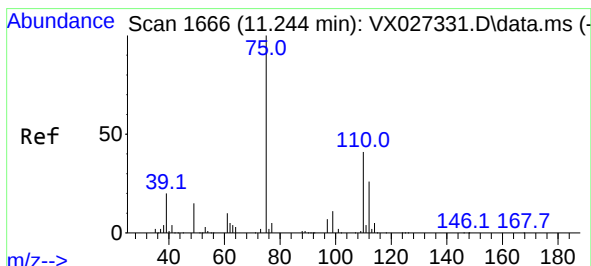
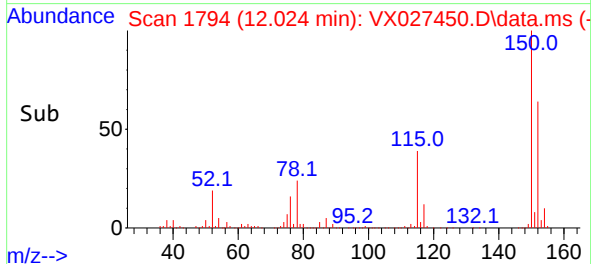
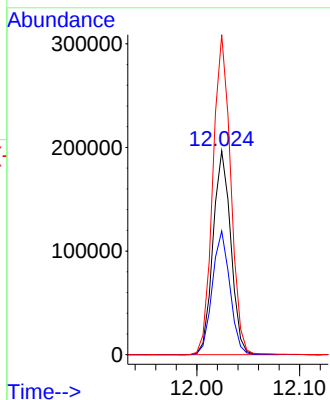
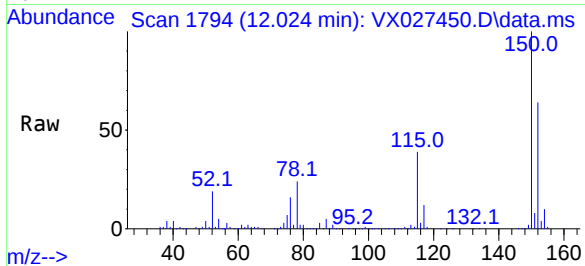




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

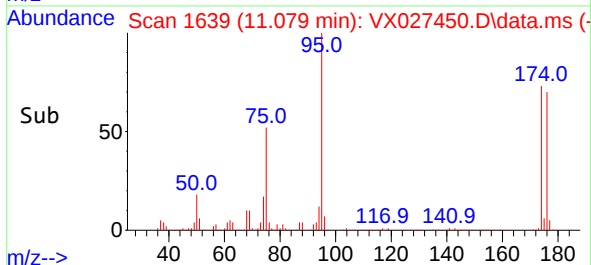
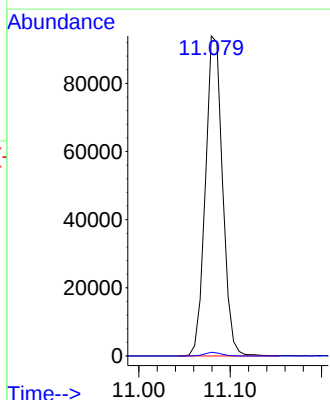
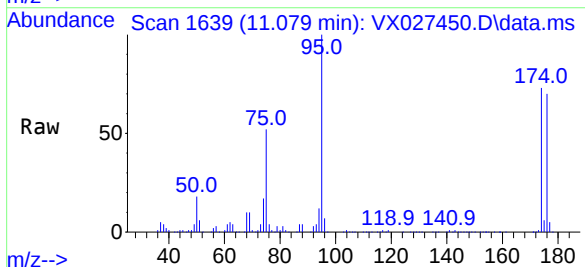
Instrument :
MSVOA_X
ClientSampleId :
PB143354TB

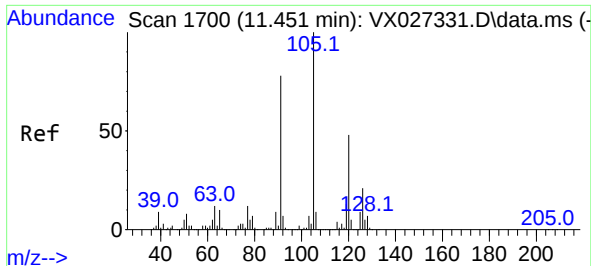
Tgt Ion:152 Resp: 236288
Ion Ratio Lower Upper
152 100
115 60.3 37.5 112.7
150 157.1 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 23.580 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 75 Resp: 122245
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#

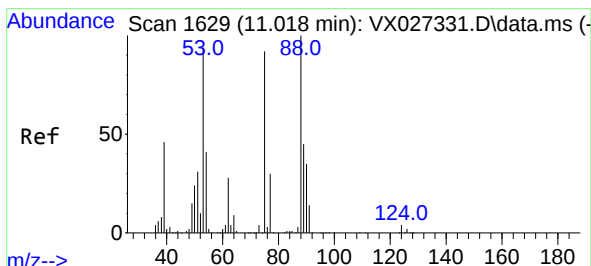
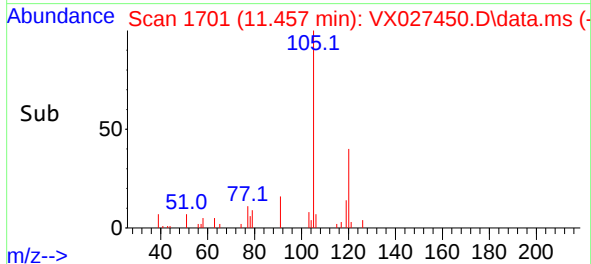
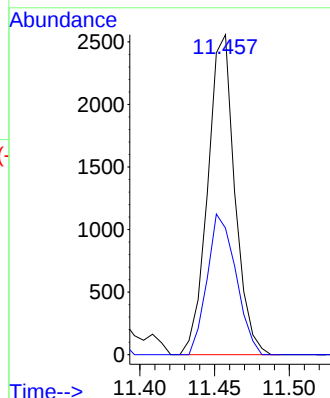
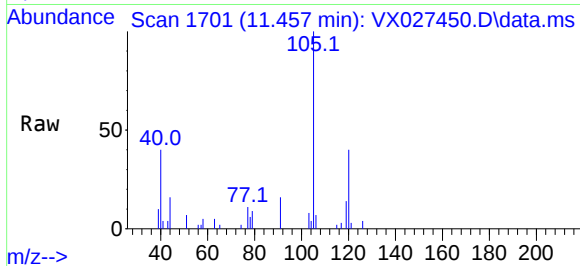




#80
1,3,5-Trimethylbenzene
Concen: 0.218 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Instrument :
MSVOA_X
ClientSampleId :
PB143354TB

Tgt Ion:105 Resp: 3225
Ion Ratio Lower Upper
105 100
120 46.4 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 76.261 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027450.D
Acq: 15 Mar 2022 16:21

Tgt Ion: 75 Resp: 122245
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

