

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031622\
 Data File : VX027474.D
 Acq On : 16 Mar 2022 16:27
 Operator : JC/MD
 Sample : N1950-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31424

Quant Time: Mar 17 00:52:09 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)

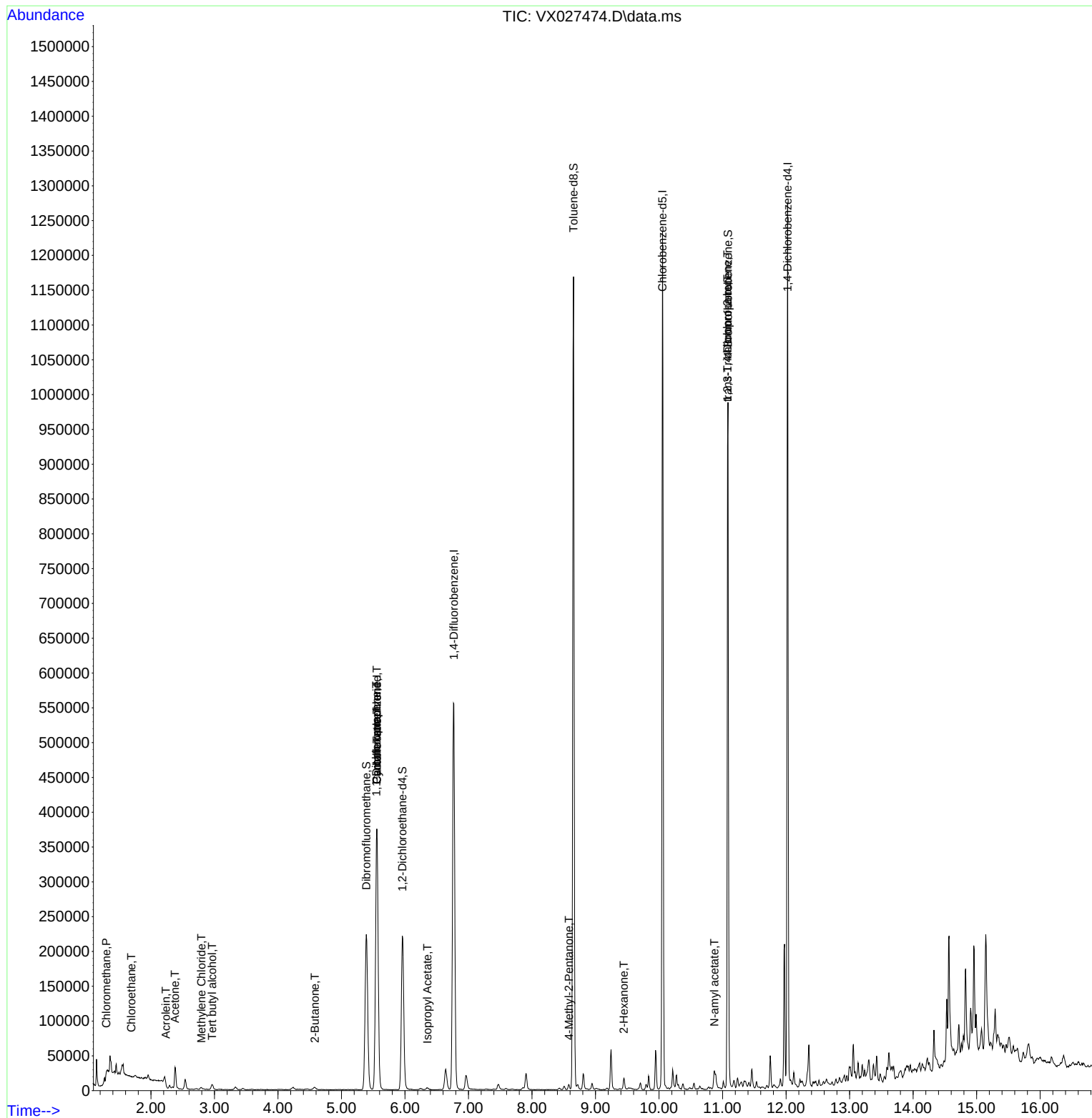
Internal Standards						
1) Pentafluorobenzene	5.556	168	365175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	598113	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	552040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	257869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	221819	52.089	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.180%
35) Dibromofluoromethane	5.391	113	196490	50.912	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.820%
50) Toluene-d8	8.653	98	703905	48.311	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.620%
62) 4-Bromofluorobenzene	11.085	95	267035	48.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1118	0.284	ug/l #	80
5) Bromomethane	1.617	94	747	Below Cal	#	67
6) Chloroethane	1.691	64	301	0.571	ug/l #	43
11) Tert butyl alcohol	2.965	59	8320	9.966	ug/l	99
13) Acrolein	2.233	56	723	1.235	ug/l #	1
16) Acetone	2.380	43	33787	17.788	ug/l #	86
20) Methylene Chloride	2.794	84	1409	0.339	ug/l #	91
25) 2-Butanone	4.580	43	5340	1.820	ug/l #	87
31) Cyclohexane	5.556	56	6669	1.120	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	26093	4.870	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36618	6.609	ug/l #	15
43) Isopropyl Acetate	6.354	43	3082	0.362	ug/l #	85
51) 4-Methyl-2-Pentanone	8.580	43	4649	0.816	ug/l	97
59) 2-Hexanone	9.445	43	3402	0.773	ug/l	70
74) N-amyl acetate	10.872	43	21644	3.140	ug/l #	59
76) 1,2,3-Trichloropropane	11.079	75	131493	23.241	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	131493	75.165	ug/l #	15

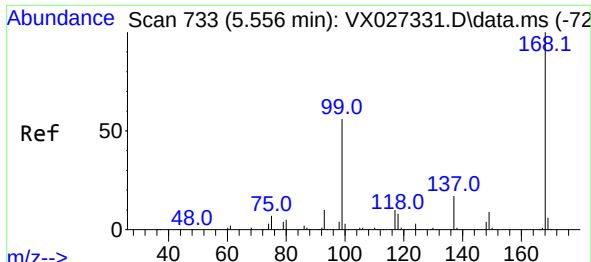
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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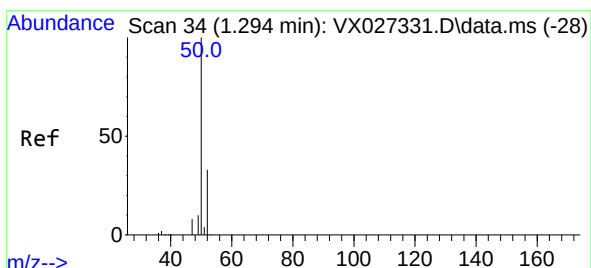
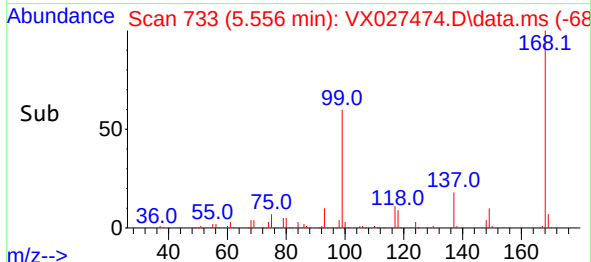
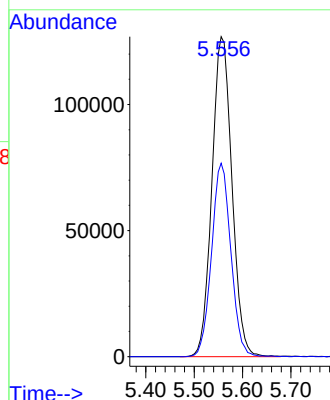
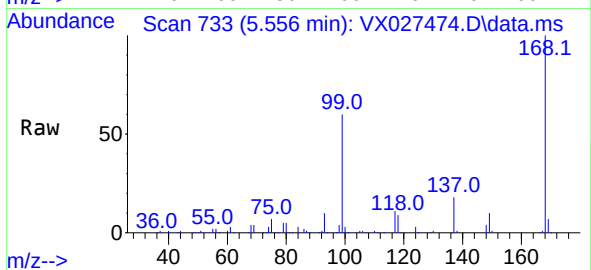




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

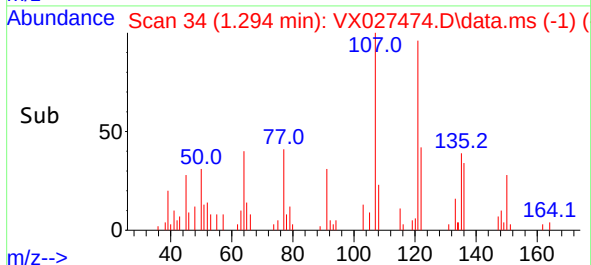
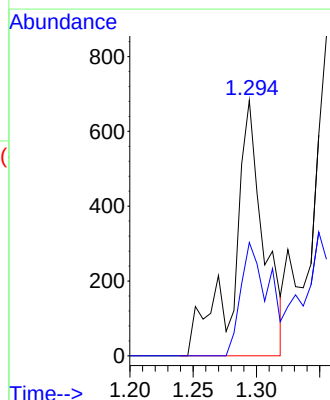
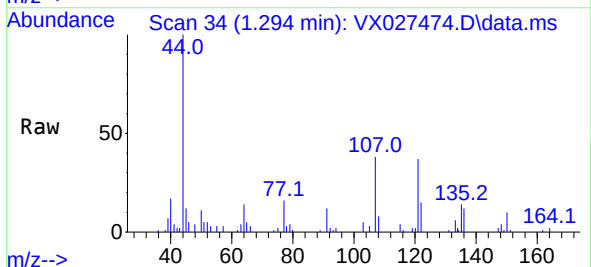
Instrument :
MSVOA_X
ClientSampleId :
31424

Tgt Ion:168 Resp: 365175
Ion Ratio Lower Upper
168 100
99 60.5 41.7 62.5

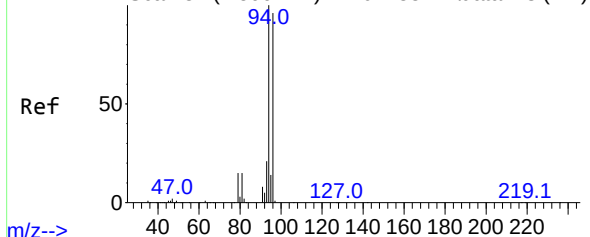


#3
Chloromethane
Concen: 0.284 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

Tgt Ion: 50 Resp: 1118
Ion Ratio Lower Upper
50 100
52 44.4 26.4 39.6#



Abundance Scan 84 (1.599 min): VX027331.D\data.ms (-74)



#5

Bromomethane

Concen: Below Cal

RT: 1.617 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX027474.D

Acq: 16 Mar 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

31424

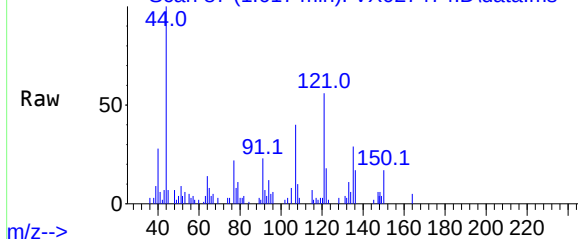
Tgt Ion: 94 Resp: 747

Ion Ratio Lower Upper

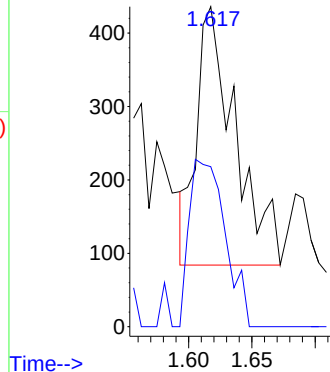
94 100

96 61.9 75.3 112.9#

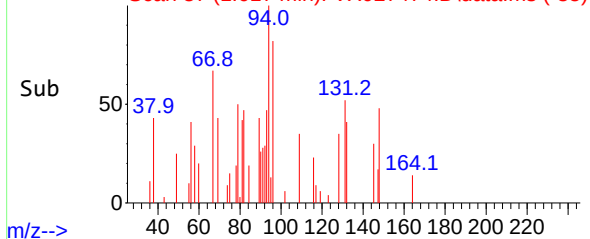
Abundance Scan 87 (1.617 min): VX027474.D\data.ms



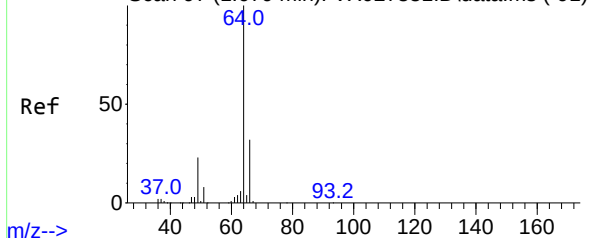
Abundance



Abundance Scan 87 (1.617 min): VX027474.D\data.ms (-35)



Abundance Scan 97 (1.679 min): VX027331.D\data.ms (-91)



#6

Chloroethane

Concen: 0.571 ug/l

RT: 1.691 min Scan# 99

Delta R.T. 0.012 min

Lab File: VX027474.D

Acq: 16 Mar 2022 16:27

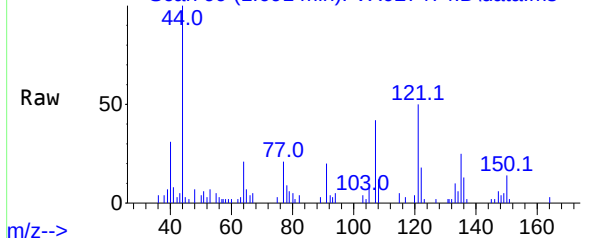
Tgt Ion: 64 Resp: 301

Ion Ratio Lower Upper

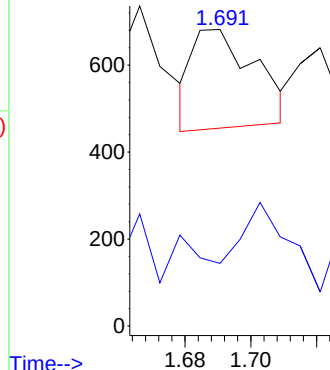
64 100

66 0.0 25.3 37.9#

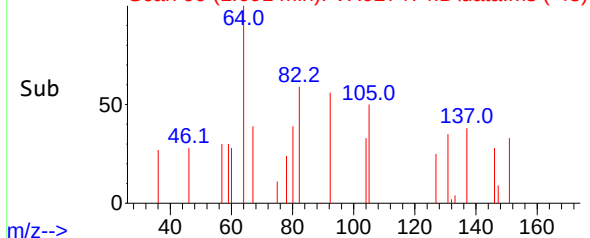
Abundance Scan 99 (1.691 min): VX027474.D\data.ms

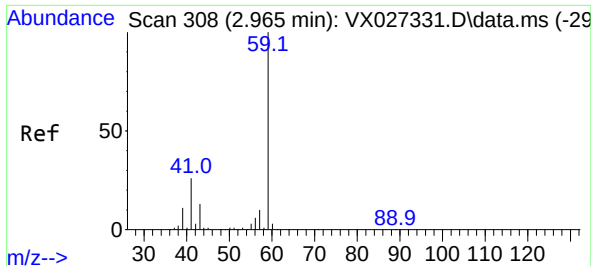


Abundance



Abundance Scan 99 (1.691 min): VX027474.D\data.ms (-48)





#11

Tert butyl alcohol

Concen: 9.966 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.000 min

Lab File: VX027474.D

Acq: 16 Mar 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

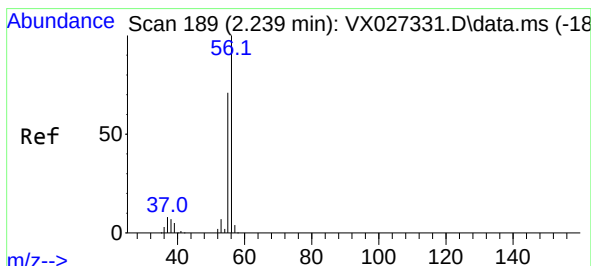
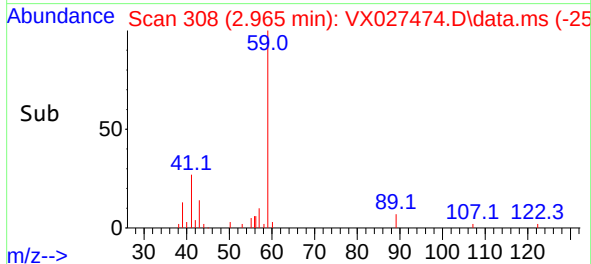
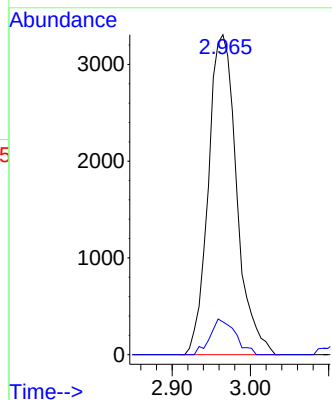
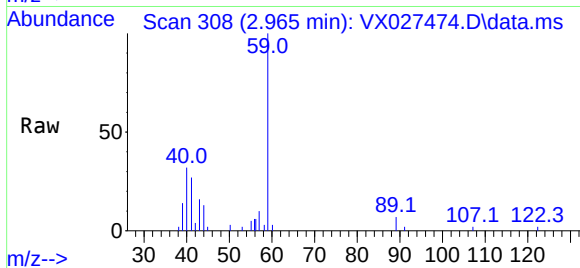
31424

Tgt Ion: 59 Resp: 8320

Ion Ratio Lower Upper

59 100

57 10.0 8.3 12.5



#13

Acrolein

Concen: 1.235 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX027474.D

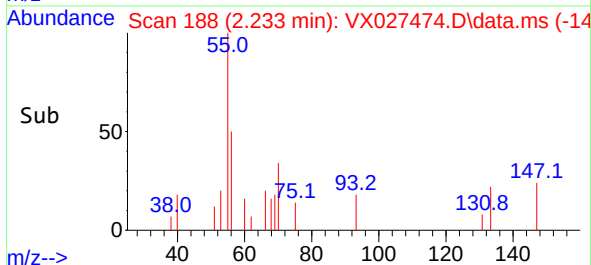
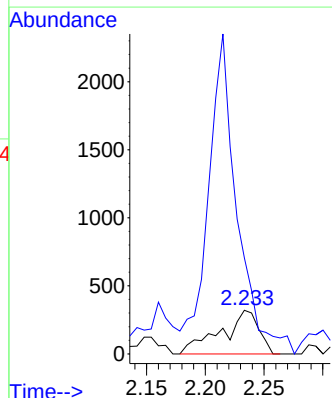
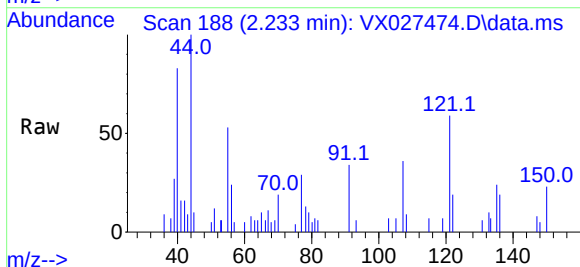
Acq: 16 Mar 2022 16:27

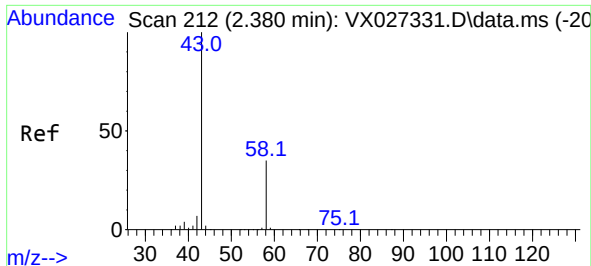
Tgt Ion: 56 Resp: 723

Ion Ratio Lower Upper

56 100

55 552.6 55.0 82.6#

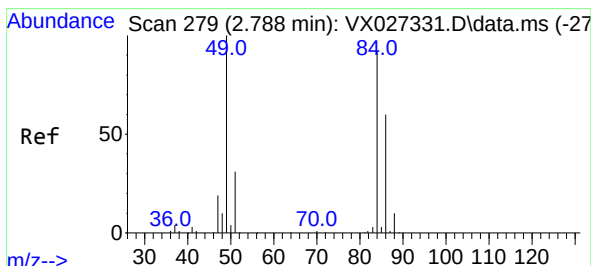
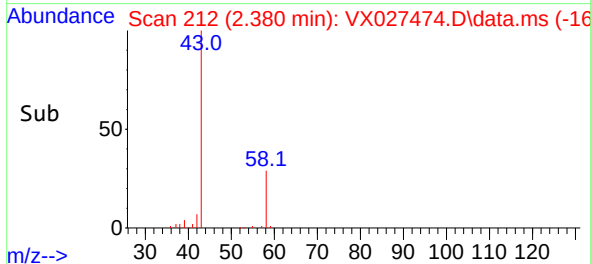
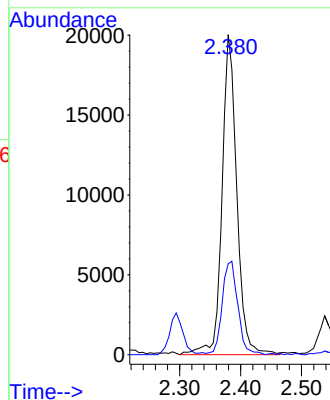
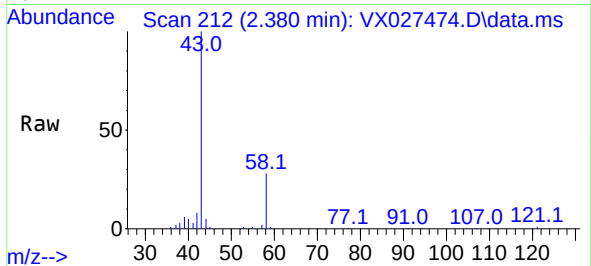




#16
Acetone
Concen: 17.788 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

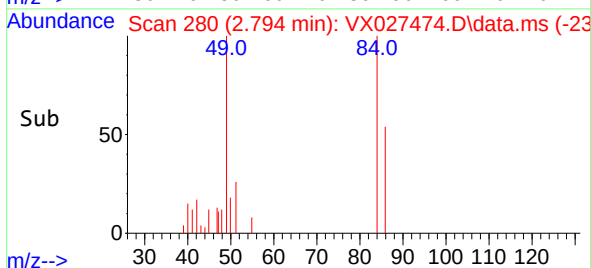
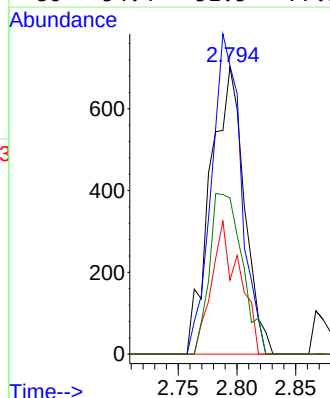
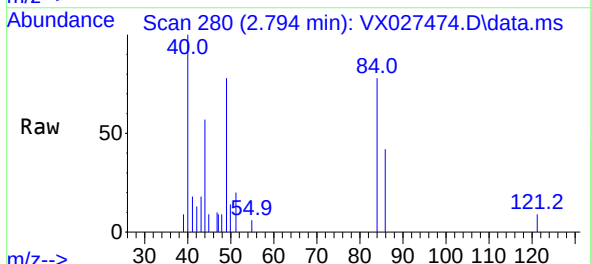
Instrument :
MSVOA_X
ClientSampleId :
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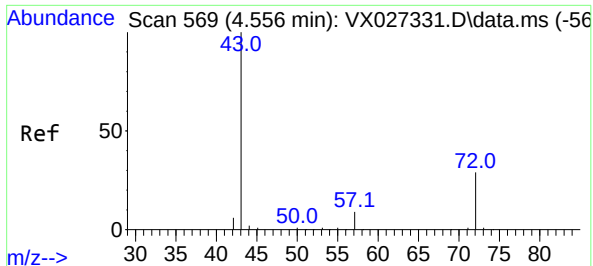
Tgt Ion: 43 Resp: 33787
Ion Ratio Lower Upper
43 100
58 28.0 28.8 43.2#



#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

Tgt Ion: 84 Resp: 1409
Ion Ratio Lower Upper
84 100
49 100.4 85.5 128.3
51 25.8 26.6 39.8#
86 54.4 51.5 77.3

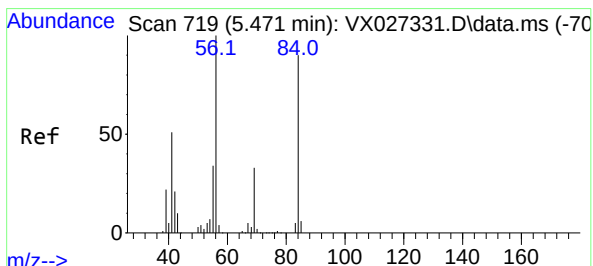
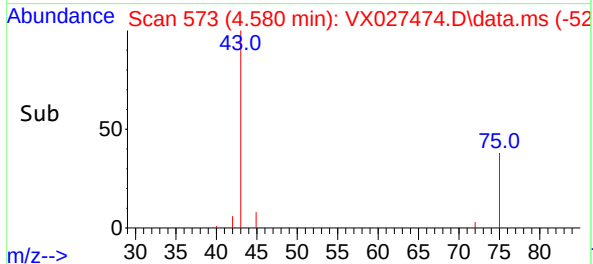
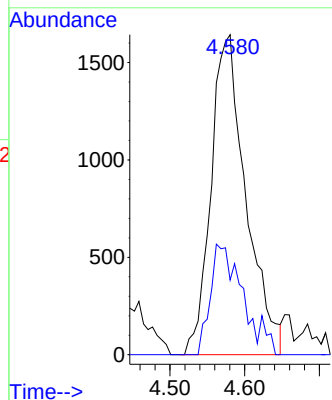
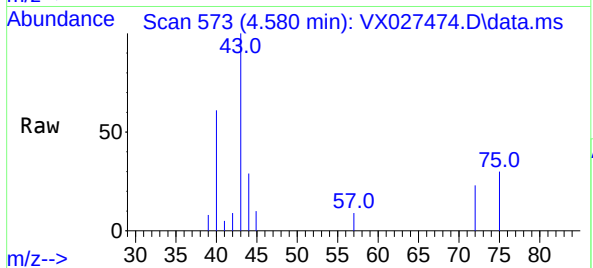




#25
2-Butanone
Concen: 1.820 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

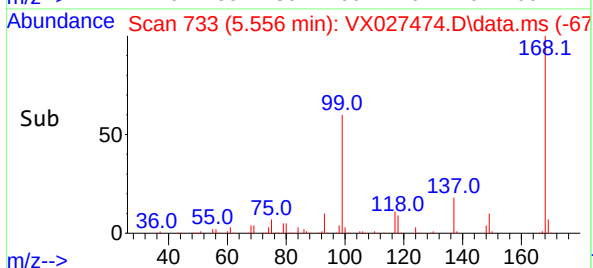
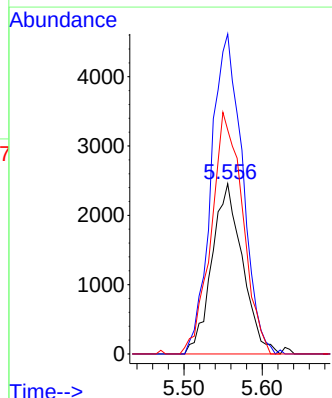
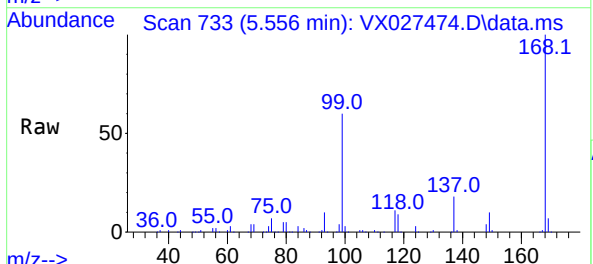
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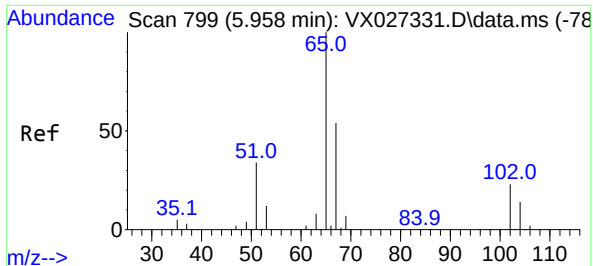
Tgt Ion: 43 Resp: 5340
Ion Ratio Lower Upper
43 100
72 23.3 24.4 36.6#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

Tgt Ion: 56 Resp: 6669
Ion Ratio Lower Upper
56 100
69 188.1 26.7 40.1#
84 131.6 77.2 115.8#

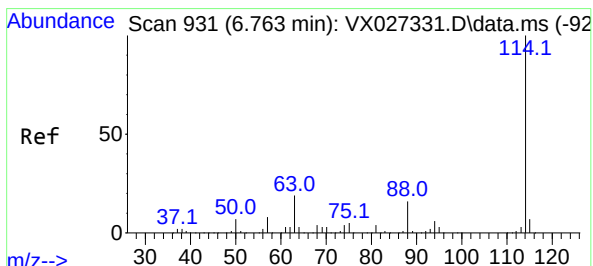
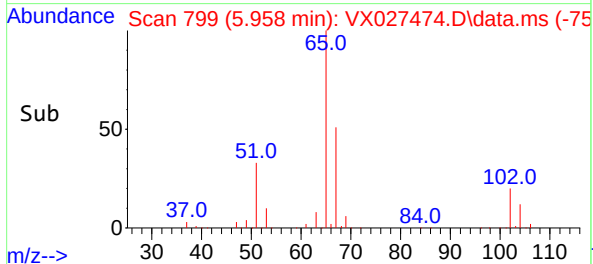
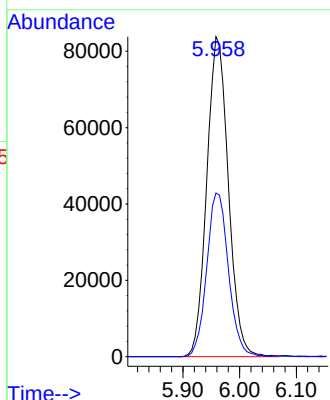
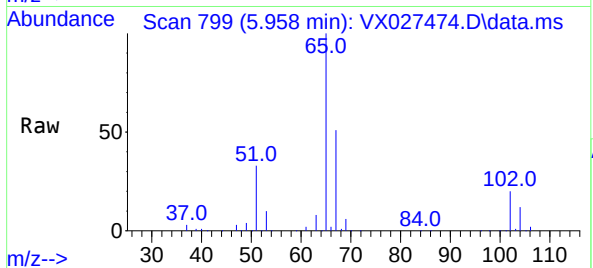




#33
 1,2-Dichloroethane-d4
 Concen: 52.089 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX027474.D
 Acq: 16 Mar 2022 16:27

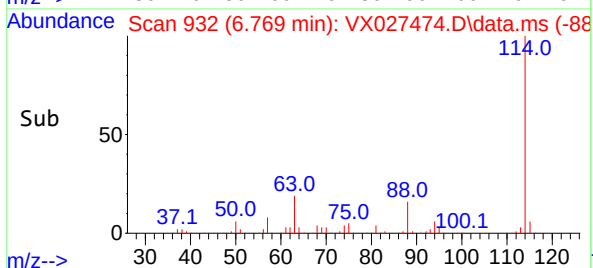
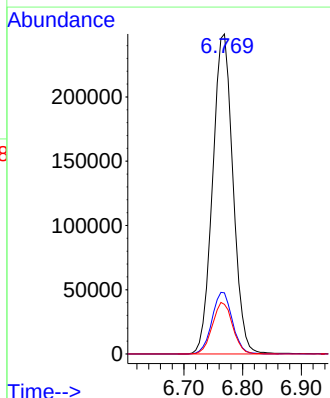
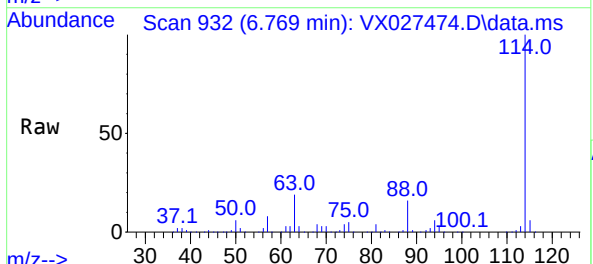
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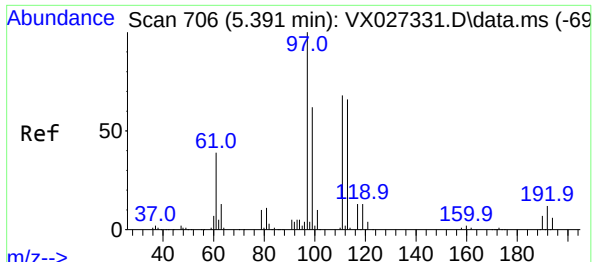
Tgt Ion: 65 Resp: 221819
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX027474.D
 Acq: 16 Mar 2022 16:27

Tgt Ion:114 Resp: 598113
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.8
 88 15.5 0.0 32.4

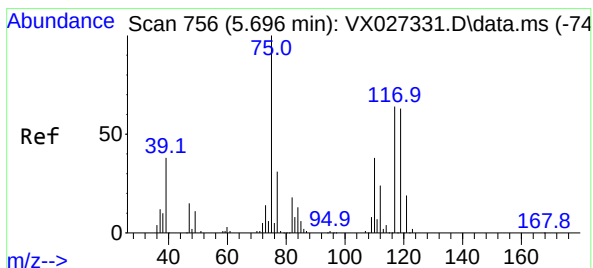
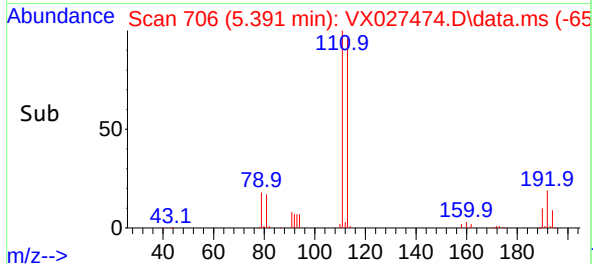
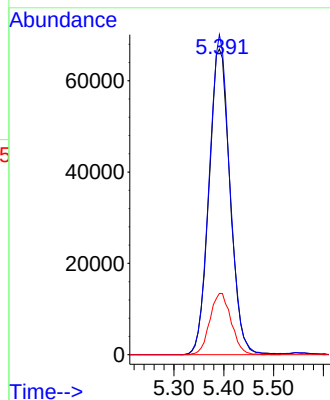
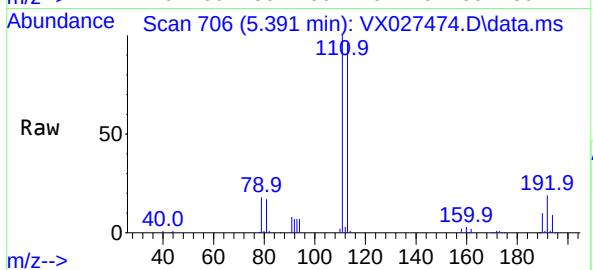




#35
Dibromofluoromethane
Concen: 50.912 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

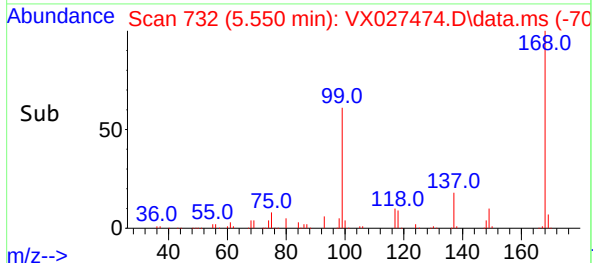
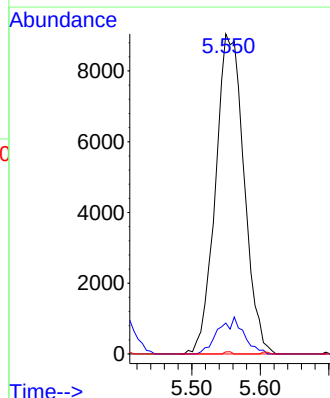
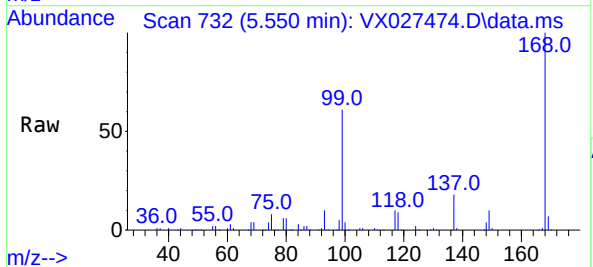
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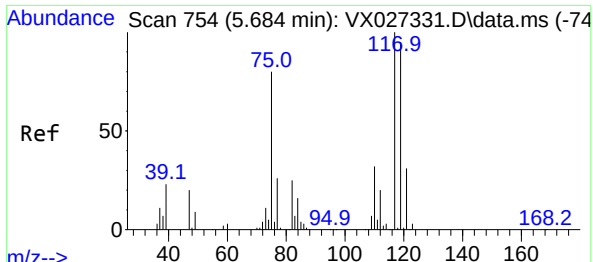
Tgt Ion:113 Resp: 196490
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

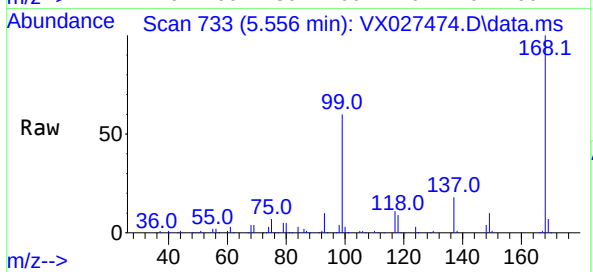
Tgt Ion: 75 Resp: 26093
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.2 24.8 37.2#



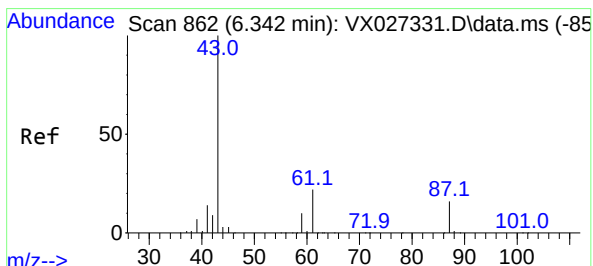
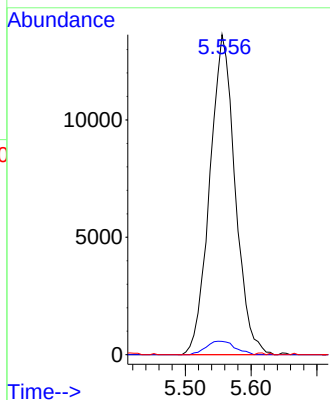
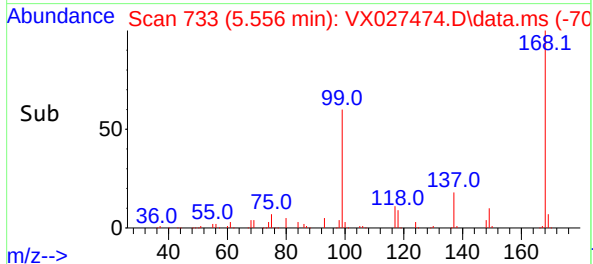


#38
Carbon Tetrachloride
Concen: 6.609 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

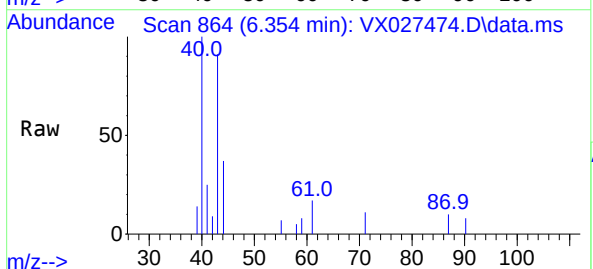
Instrument :
MSVOA_X
ClientSampleId :
31424



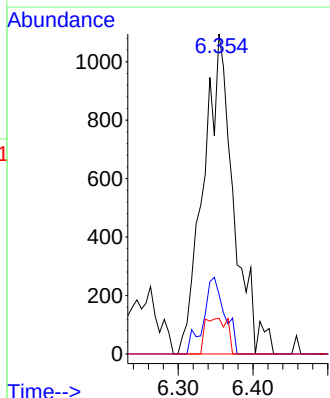
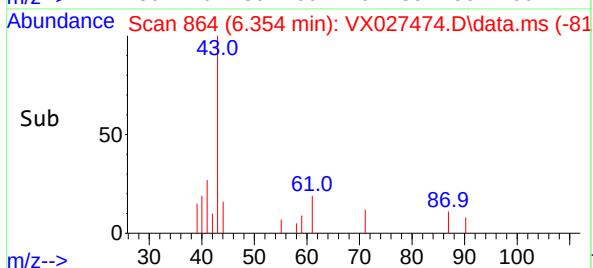
Tgt Ion:117 Resp: 36618
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#

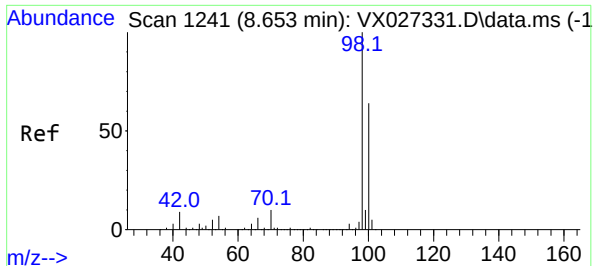


#43
Isopropyl Acetate
Concen: 0.362 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27



Tgt Ion: 43 Resp: 3082
Ion Ratio Lower Upper
43 100
61 16.8 18.5 27.7#
87 8.1 13.0 19.6#

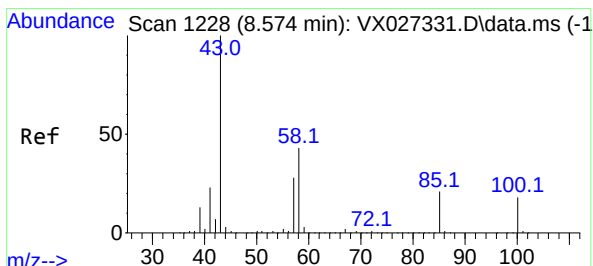
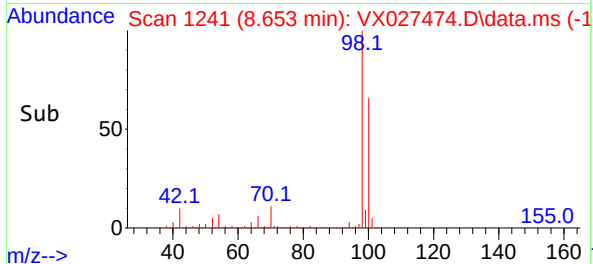
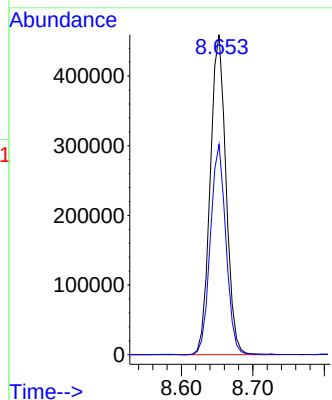
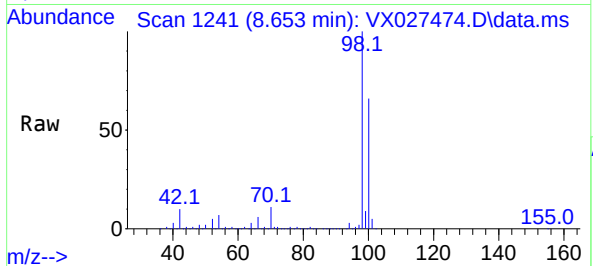




#50
Toluene-d8
Concen: 48.311 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

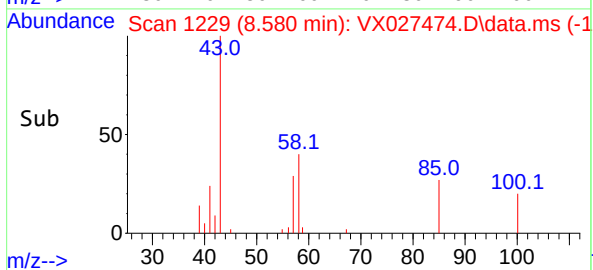
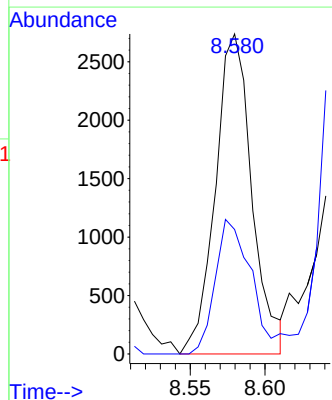
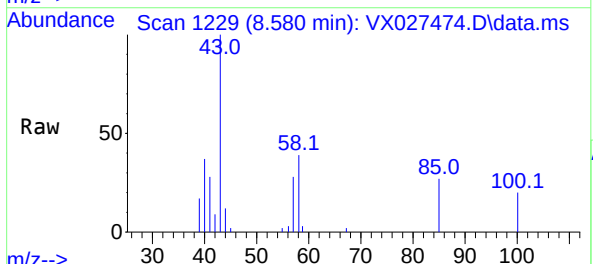
Instrument :
MSVOA_X
ClientSampleId :
31424

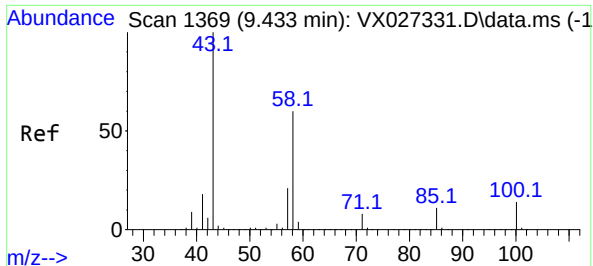
Tgt Ion: 98 Resp: 703905
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.816 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

Tgt Ion: 43 Resp: 4649
Ion Ratio Lower Upper
43 100
58 43.1 36.1 54.1





#59

2-Hexanone

Concen: 0.773 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX027474.D

Acq: 16 Mar 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

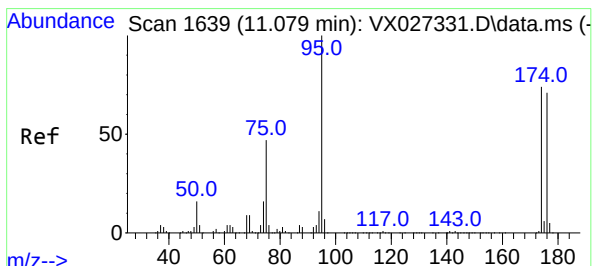
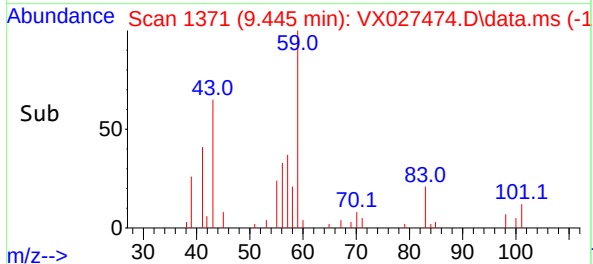
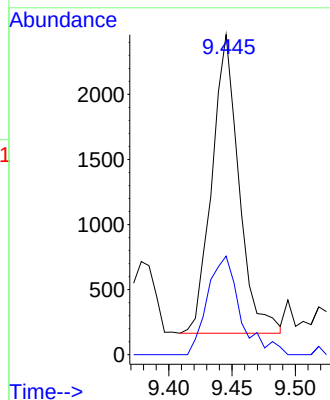
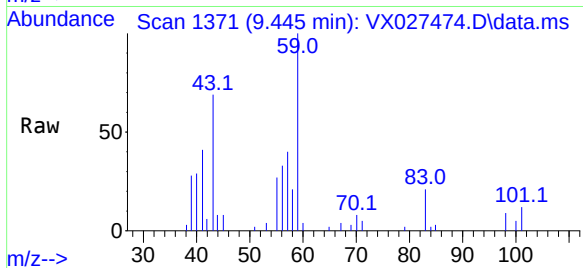
31424

Tgt Ion: 43 Resp: 3402

Ion Ratio Lower Upper

43 100

58 40.0 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 48.087 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027474.D

Acq: 16 Mar 2022 16:27

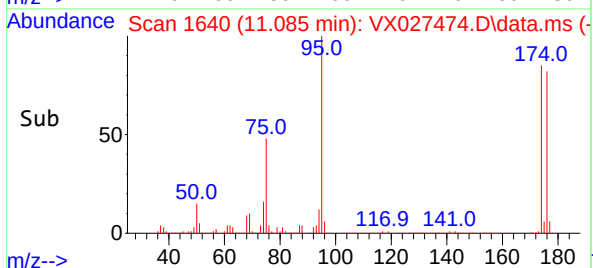
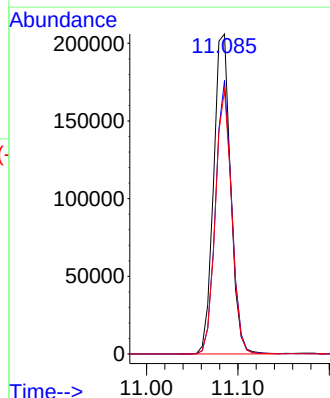
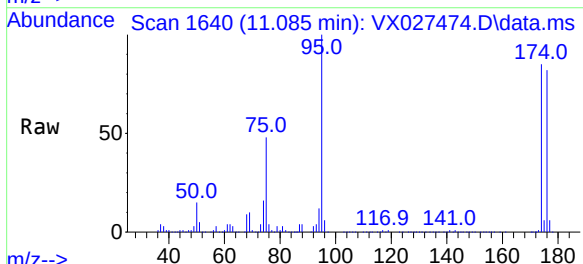
Tgt Ion: 95 Resp: 267035

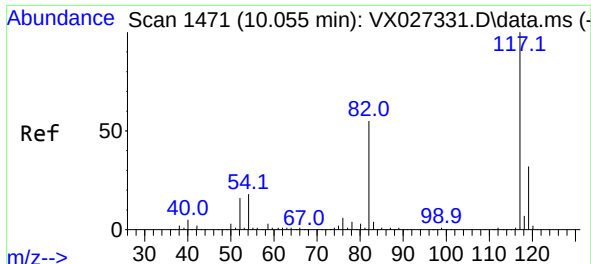
Ion Ratio Lower Upper

95 100

174 81.1 0.0 163.0

176 79.1 0.0 155.0

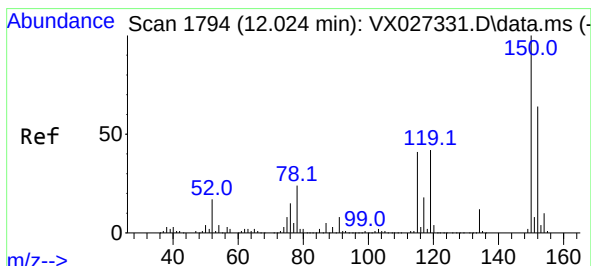
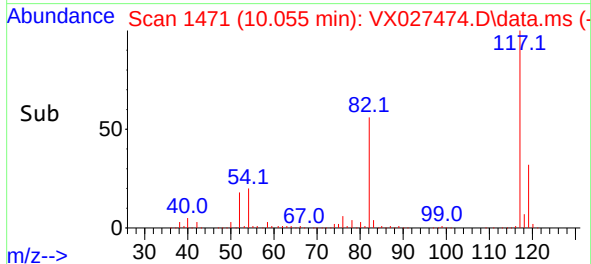
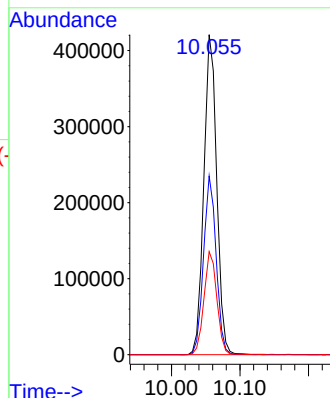
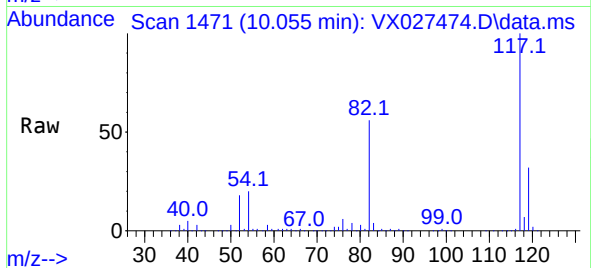




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

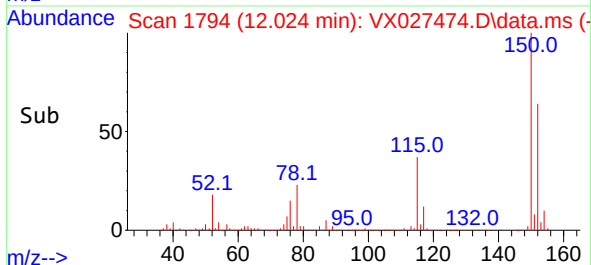
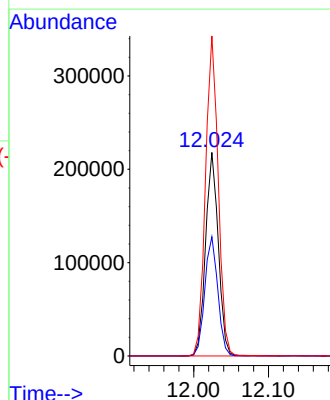
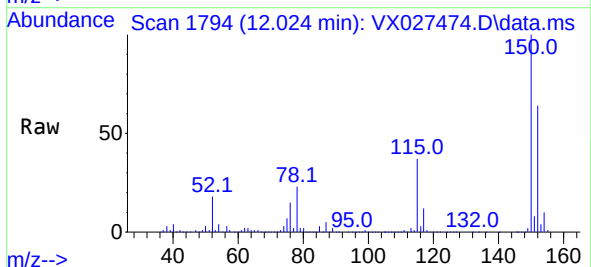
Instrument :
MSVOA_X
ClientSampleId :
31424

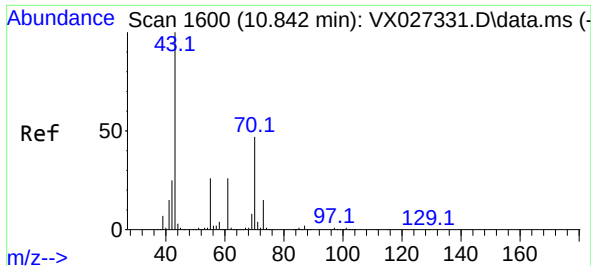
Tgt Ion:117 Resp: 552040
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

Tgt Ion:152 Resp: 257869
Ion Ratio Lower Upper
152 100
115 59.7 37.5 112.7
150 157.1 0.0 338.2

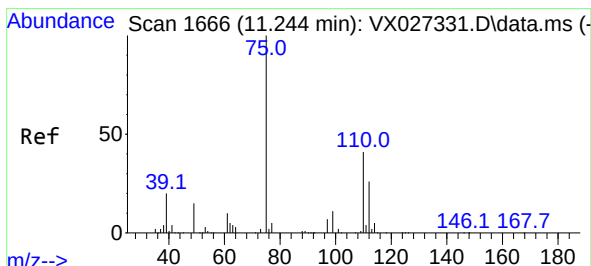
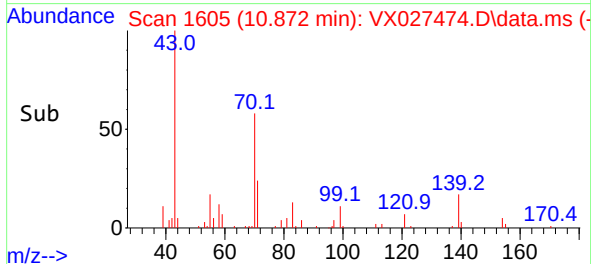
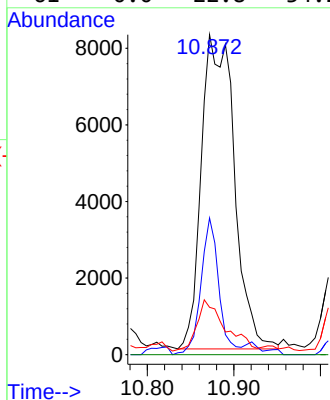
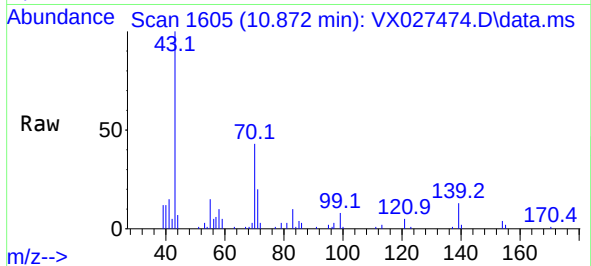




#74
N-amy1 acetate
Concen: 3.140 ug/l
RT: 10.872 min Scan# 1639
Delta R.T. 0.030 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

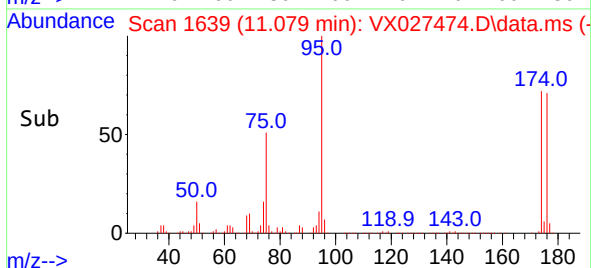
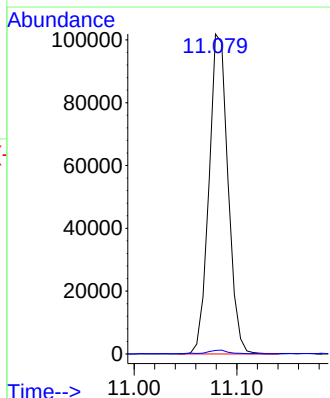
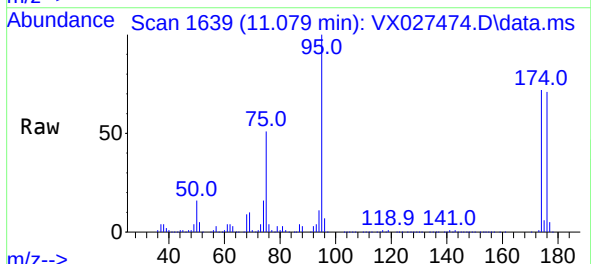
Instrument :
MSVOA_X
ClientSampleId :
31424

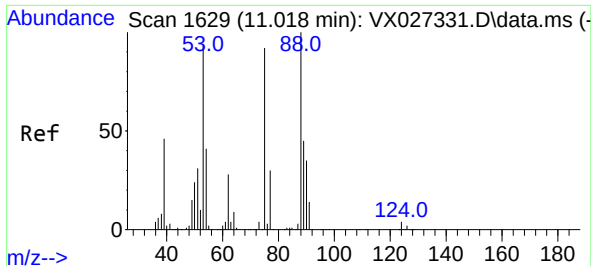
Tgt Ion:	43	Resp:	21644
Ion	Ratio	Lower	Upper
43	100		
70	23.7	42.5	63.7#
55	14.0	23.1	34.7#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 23.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027474.D
Acq: 16 Mar 2022 16:27

Tgt Ion:	75	Resp:	131493
Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.4	58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.165 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027474.D
 Acq: 16 Mar 2022 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 31424

Tgt Ion: 75 Resp: 131493
 Ion Ratio Lower Upper
 75 100
 53 0.3 69.0 103.4#
 89 0.0 37.0 55.6#

