

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032895.D
 Acq On : 17 Nov 2022 13:21
 Operator : JC/MD
 Sample : N5650-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34271

Quant Time: Nov 18 01:40:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

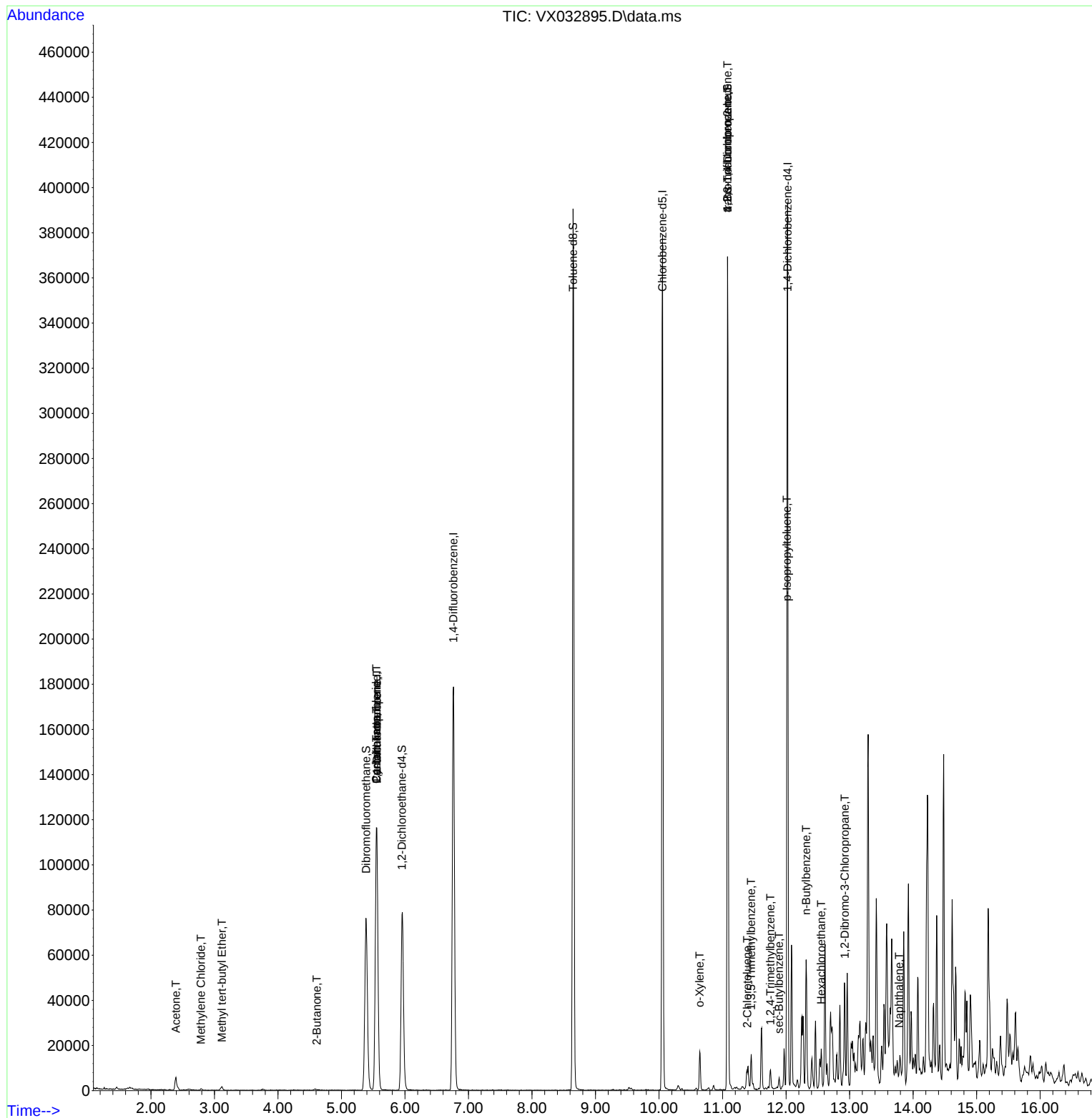
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	112394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80906	51.807	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.620%	
35) Dibromofluoromethane	5.385	113	65435	49.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.060%	
50) Toluene-d8	8.647	98	231927	49.979	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.960%	
62) 4-Bromofluorobenzene	11.079	95	92656	51.116	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.240%	
Target Compounds						Qvalue
16) Acetone	2.392	43	7269	12.807	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	1693	0.427	ug/l #	90
20) Methylene Chloride	2.788	84	308	0.237	ug/l	93
25) 2-Butanone	4.611	43	897	1.020	ug/l #	47
31) Cyclohexane	5.550	56	2374	1.254	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	8683	4.672	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11434	5.547	ug/l #	15
69) o-Xylene	10.640	106	3953	1.560	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	49959	27.582	ug/l #	37
79) 2-Chlorotoluene	11.390	91	1153	0.259	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	6728	1.220	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	49959	87.768	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	3824	0.697	ug/l	99
85) sec-Butylbenzene	11.890	105	2639	0.398	ug/l	90
86) p-Isopropyltoluene	12.012	119	3777	0.672	ug/l	92
89) n-Butylbenzene	12.317	91	6418	1.313	ug/l #	6
90) Hexachloroethane	12.555	117	1346	1.466	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.927	75	190	0.418	ug/l #	1
95) Naphthalene	13.780	128	2030	0.318	ug/l #	72

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

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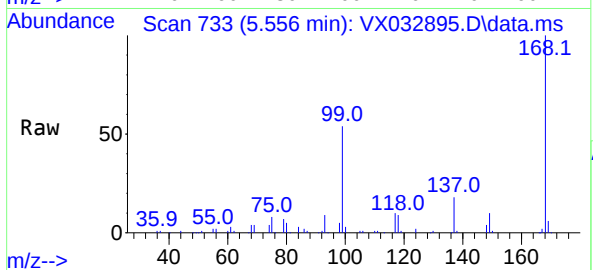
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration



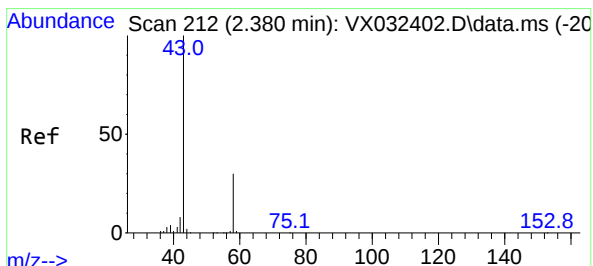
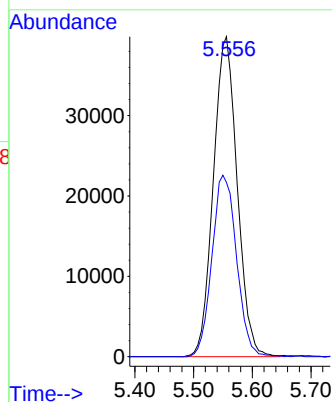
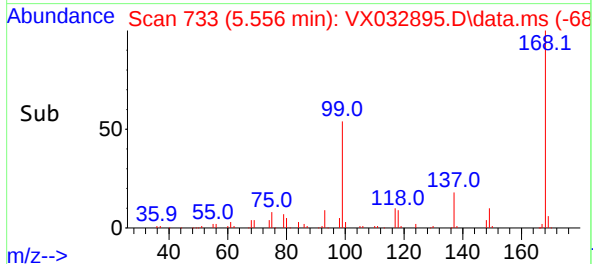


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

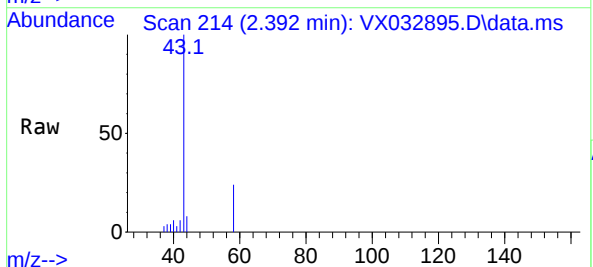
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MSVOA_X
ClientSampleId :
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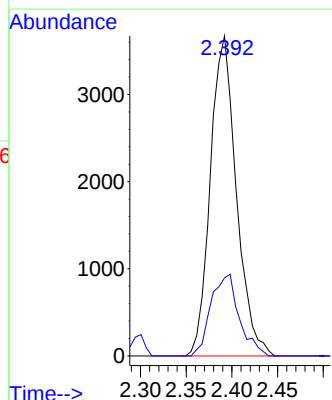
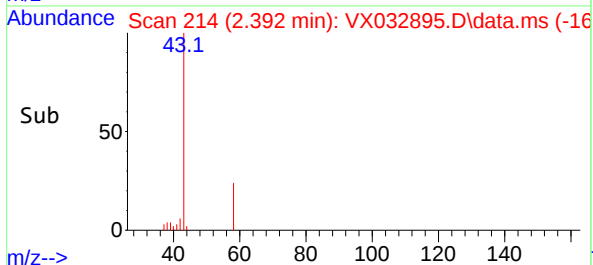
Tgt Ion:168 Resp: 112394
Ion Ratio Lower Upper
168 100
99 54.5 46.1 69.1

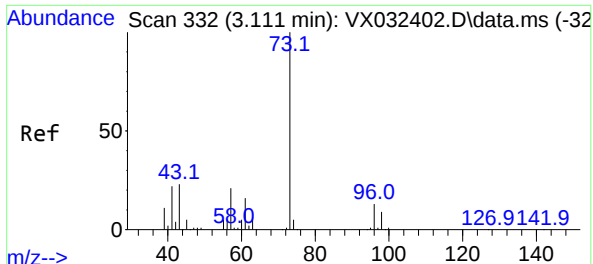


#16
Acetone
Concen: 12.807 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21



Tgt Ion: 43 Resp: 7269
Ion Ratio Lower Upper
43 100
58 24.4 23.8 35.8

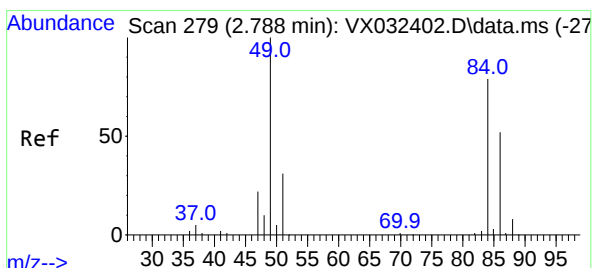
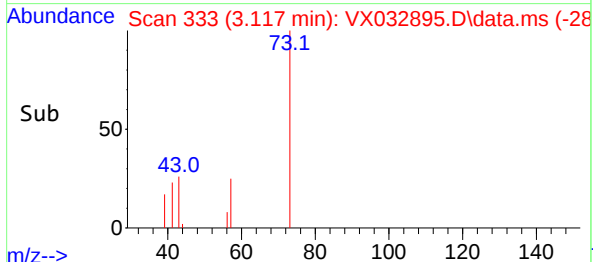
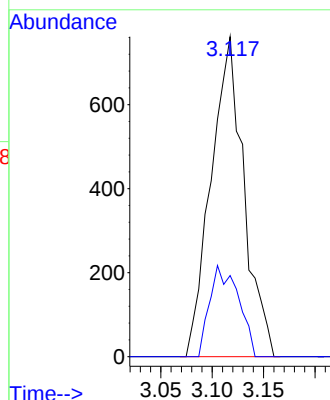
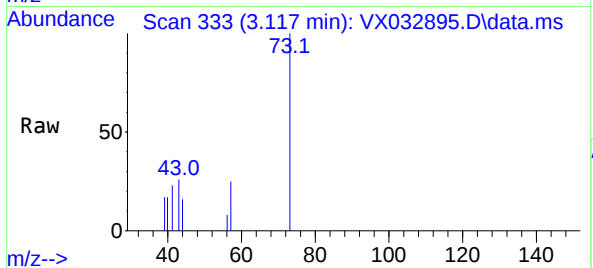




#19
Methyl tert-butyl Ether
Concen: 0.427 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

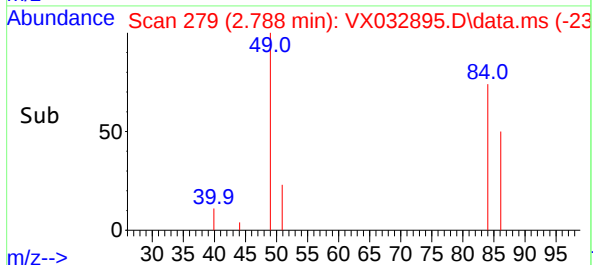
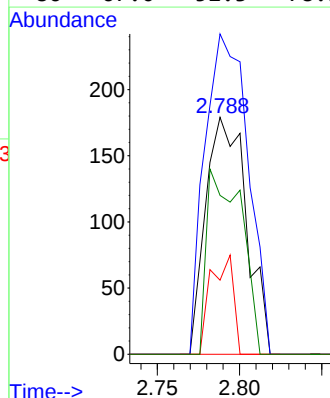
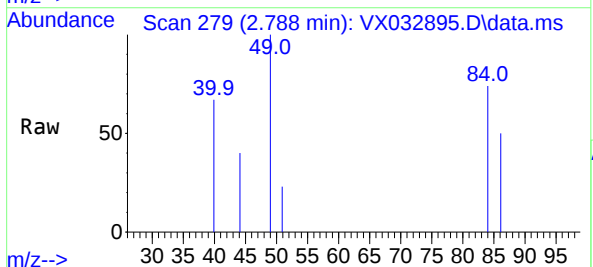
Instrument :
MSVOA_X
ClientSampleId :
34271

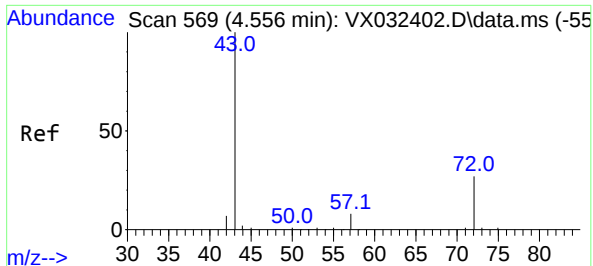
Tgt Ion: 73 Resp: 1693
Ion Ratio Lower Upper
73 100
57 25.3 16.6 25.0#



#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion: 84 Resp: 308
Ion Ratio Lower Upper
84 100
49 135.2 101.0 151.6
51 31.3 31.1 46.7
86 67.0 52.3 78.5





#25

2-Butanone

Concen: 1.020 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.055 min

Lab File: VX032895.D

Acq: 17 Nov 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :

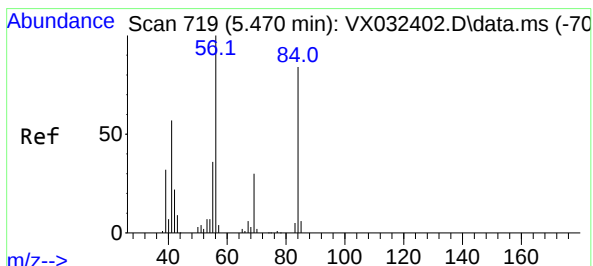
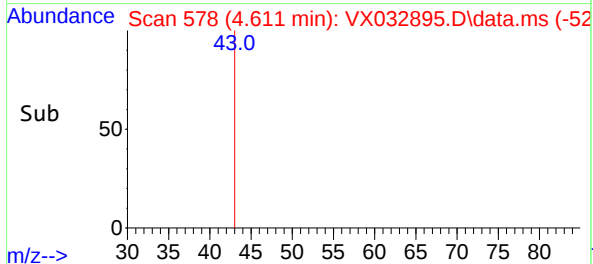
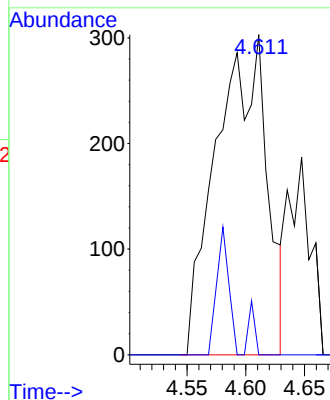
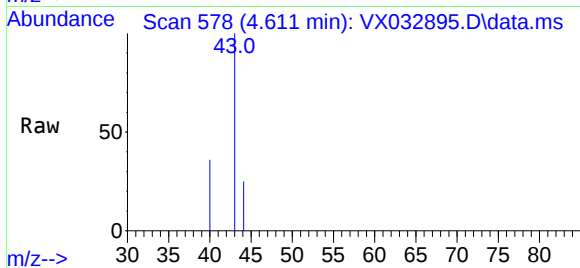
34271

Tgt Ion: 43 Resp: 897

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX032895.D

Acq: 17 Nov 2022 13:21

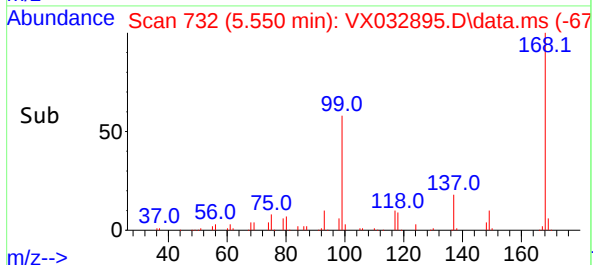
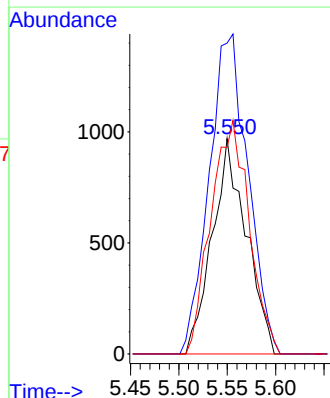
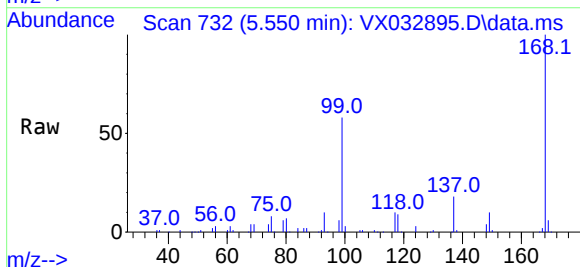
Tgt Ion: 56 Resp: 2374

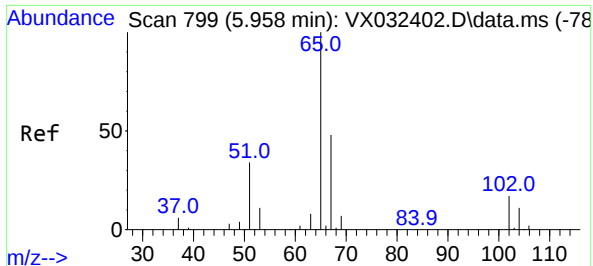
Ion Ratio Lower Upper

56 100

69 144.3 24.1 36.1#

84 95.9 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 51.807 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX032895.D

Acq: 17 Nov 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :

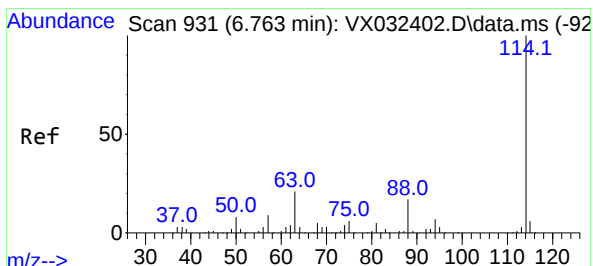
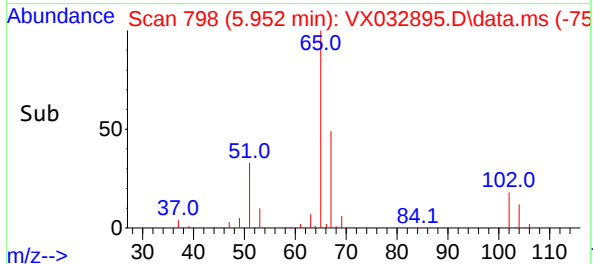
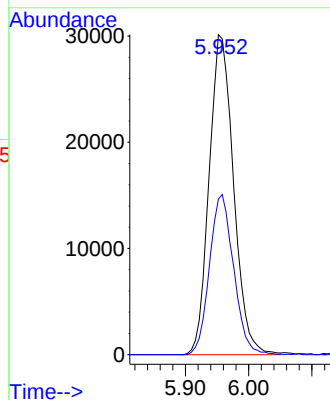
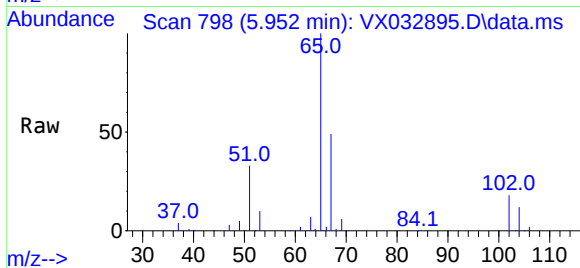
34271

Tgt Ion: 65 Resp: 80906

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032895.D

Acq: 17 Nov 2022 13:21

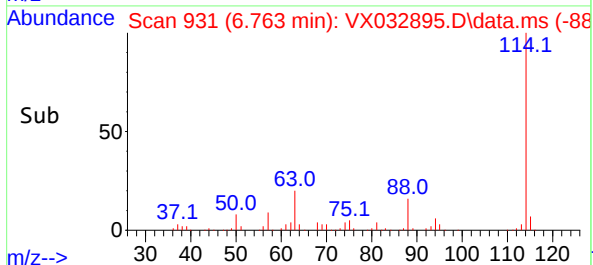
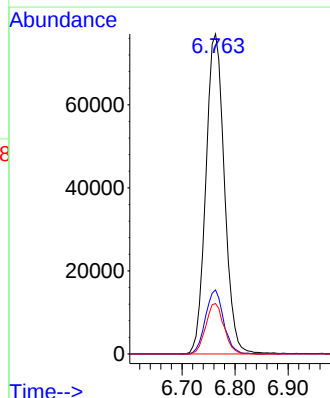
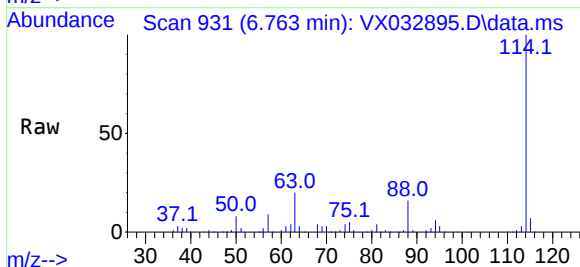
Tgt Ion:114 Resp: 187090

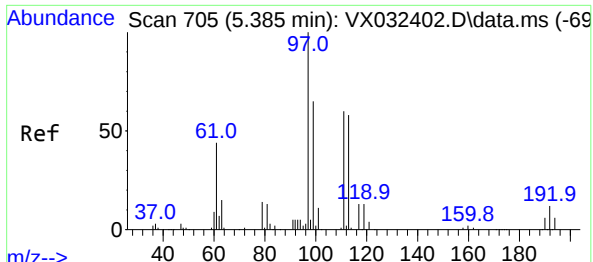
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

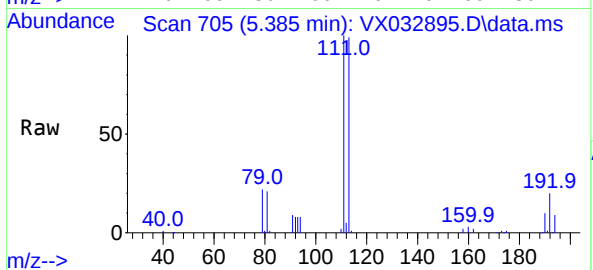
88 15.8 0.0 33.4



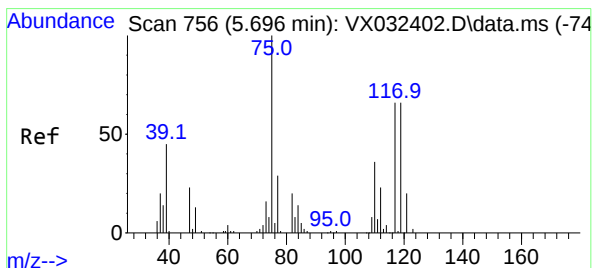
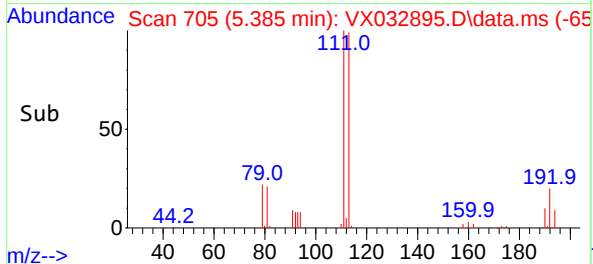
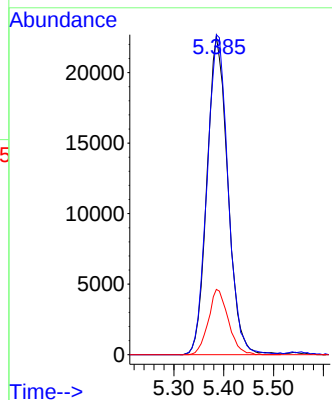


#35
Dibromofluoromethane
Concen: 49.032 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Instrument :
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ClientSampleId :
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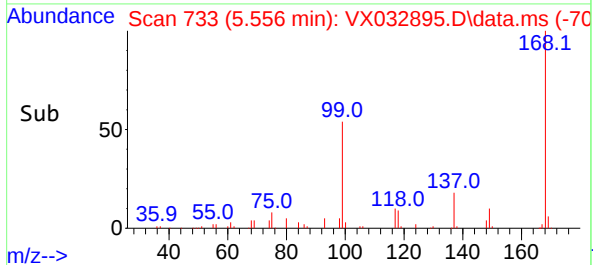
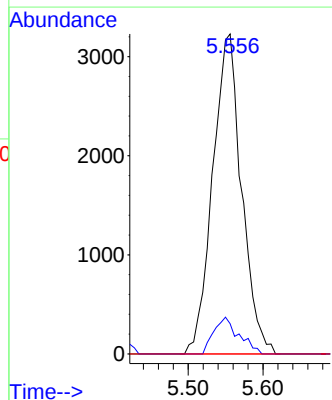
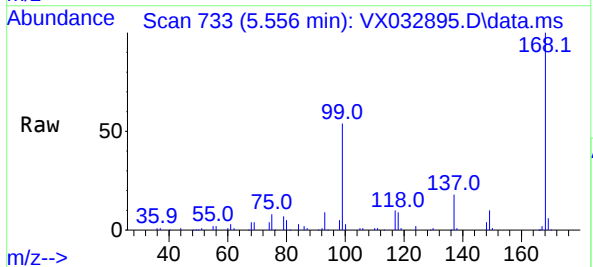


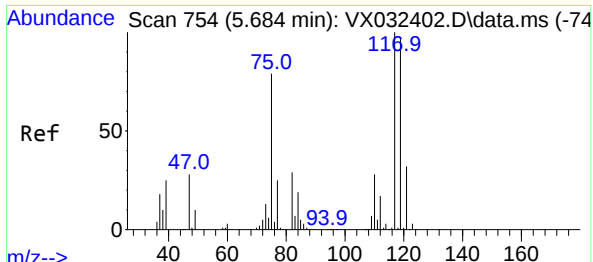
Tgt Ion:113 Resp: 65435
Ion Ratio Lower Upper
113 100
111 101.3 82.4 123.6
192 19.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

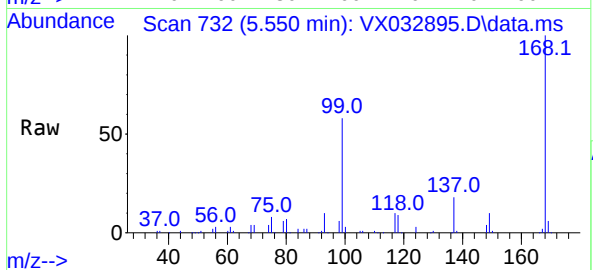
Tgt Ion: 75 Resp: 8683
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.2#
77 0.0 24.5 36.7#



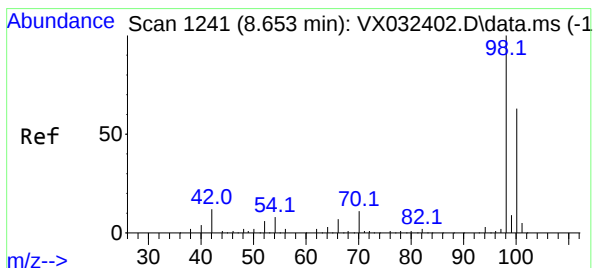
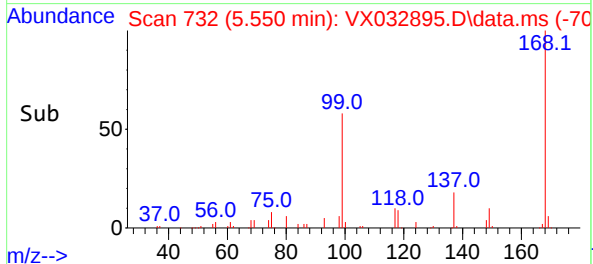
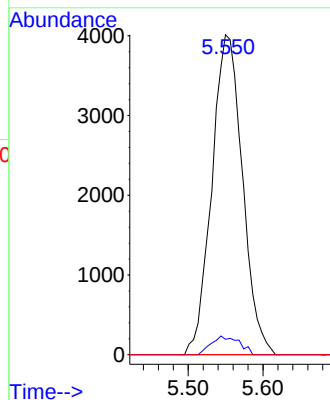


#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Instrument :
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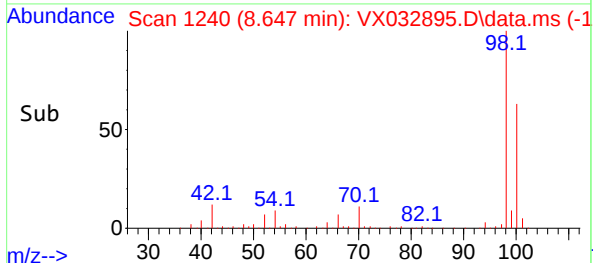
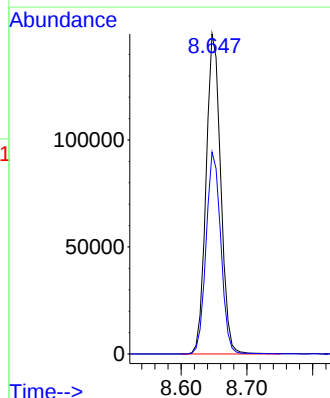
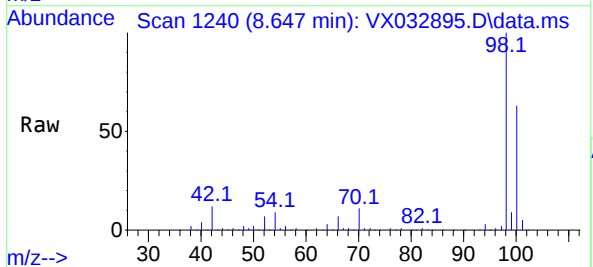


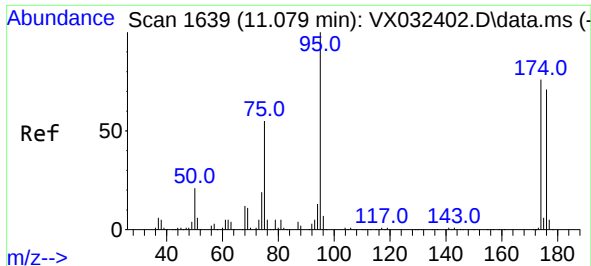
Tgt Ion:117 Resp: 11434
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.979 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion: 98 Resp: 231927
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

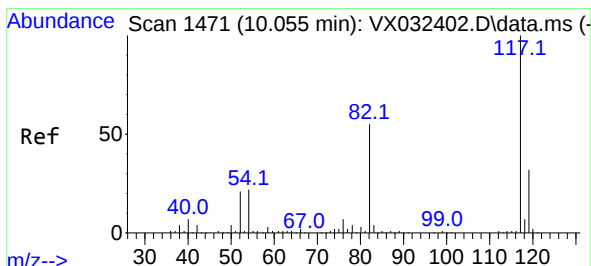
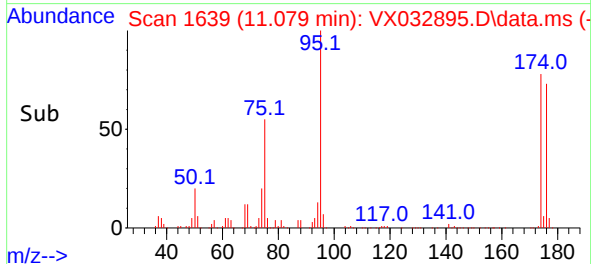
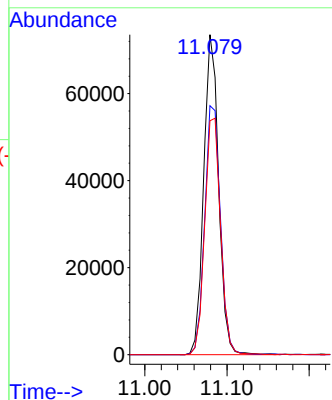
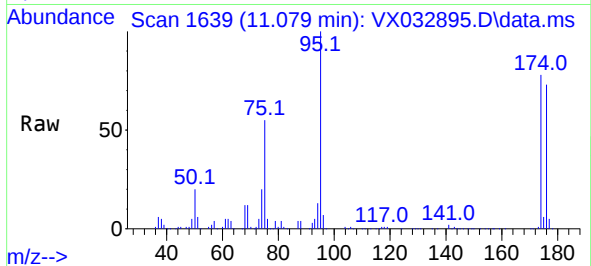




#62
4-Bromofluorobenzene
Concen: 51.116 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

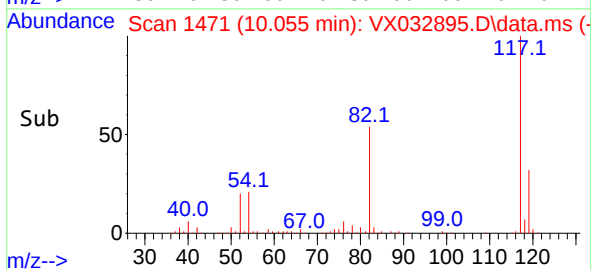
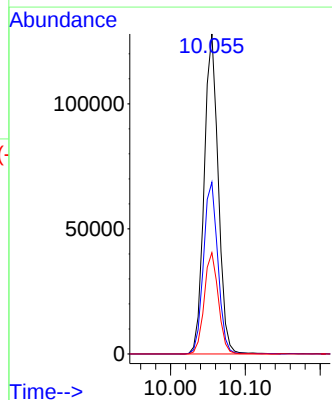
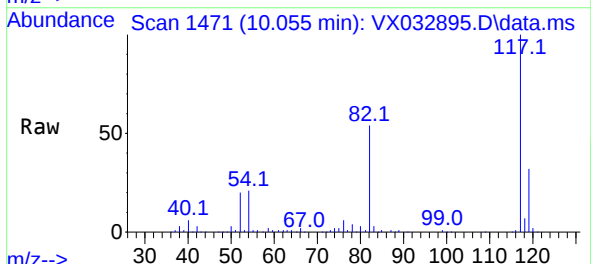
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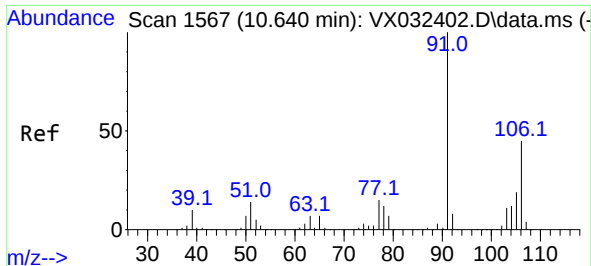
Tgt Ion: 95 Resp: 92656
Ion Ratio Lower Upper
95 100
174 82.0 0.0 164.0
176 78.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion: 117 Resp: 167506
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.6 25.7 38.5

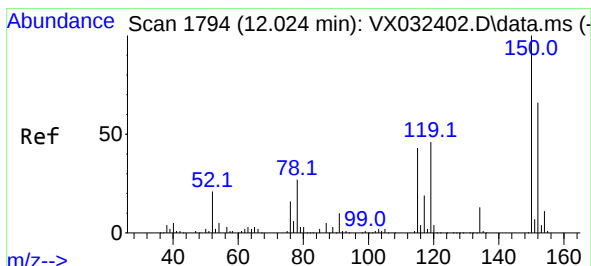
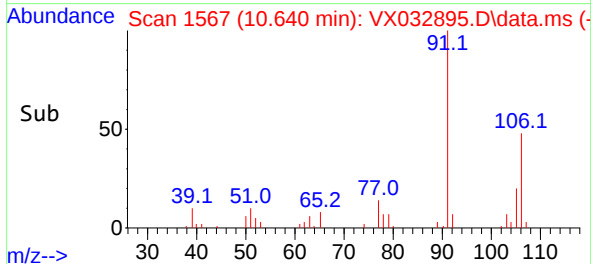
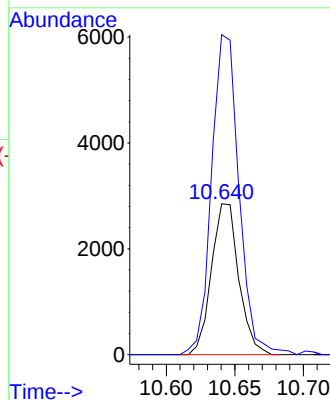
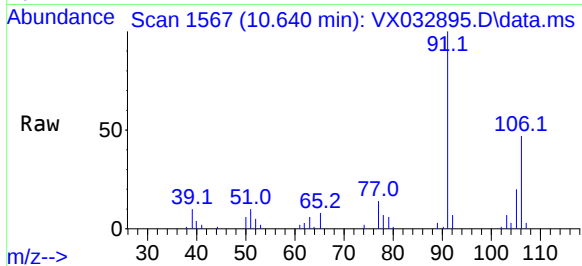




#69
o-Xylene
Concen: 1.560 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

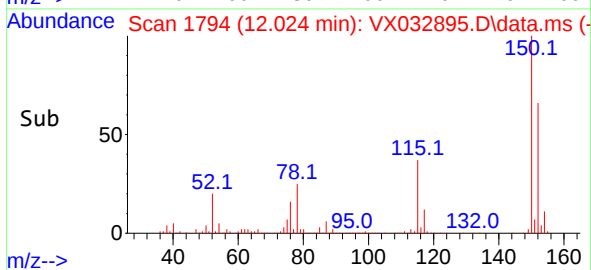
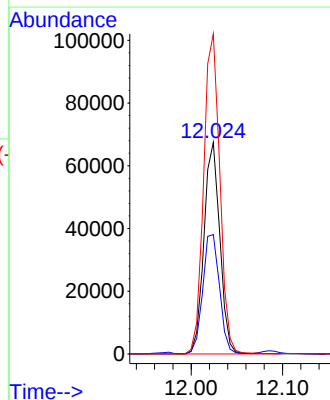
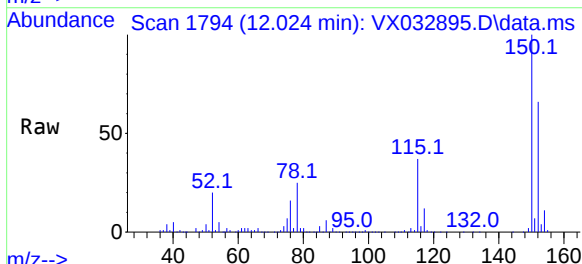
Instrument :
MSVOA_X
ClientSampleId :
34271

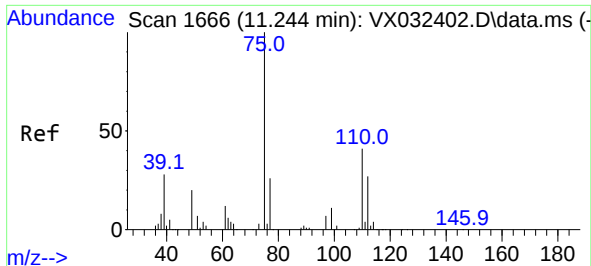
Tgt Ion:106 Resp: 3953
Ion Ratio Lower Upper
106 100
91 212.4 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion:152 Resp: 81414
Ion Ratio Lower Upper
152 100
115 59.3 44.0 132.0
150 153.9 0.0 351.8

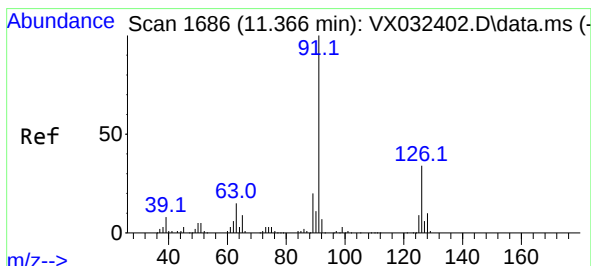
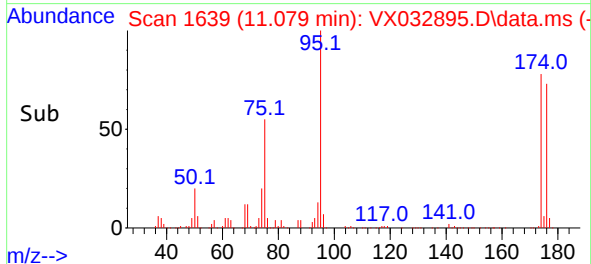
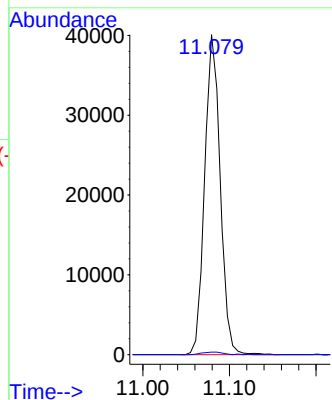
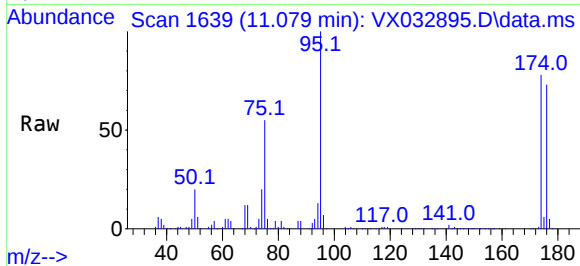




#76
1,2,3-Trichloropropane
Concen: 27.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

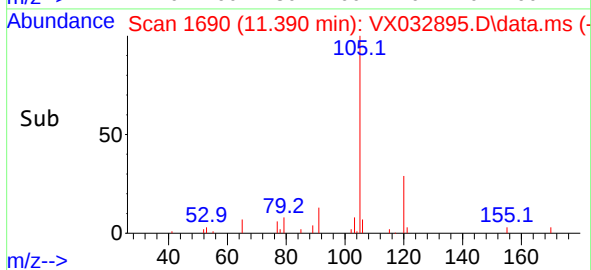
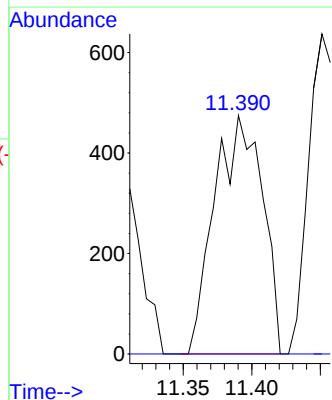
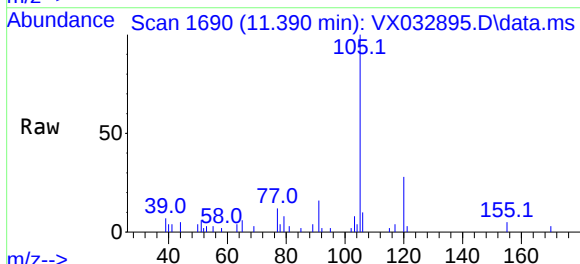
Instrument :
MSVOA_X
ClientSampleId :
34271

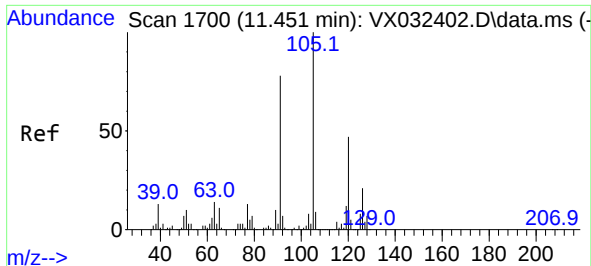
Tgt Ion: 75 Resp: 49959
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#79
2-Chlorotoluene
Concen: 0.259 ug/l
RT: 11.390 min Scan# 1690
Delta R.T. 0.024 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion: 91 Resp: 1153
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

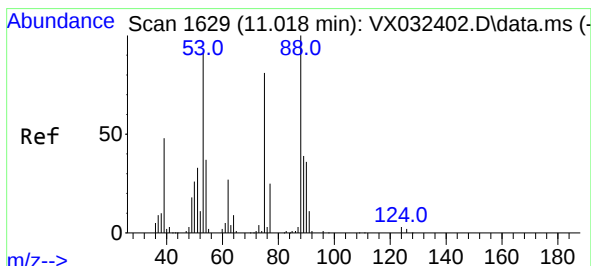
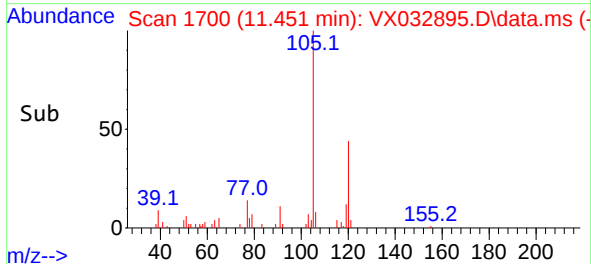
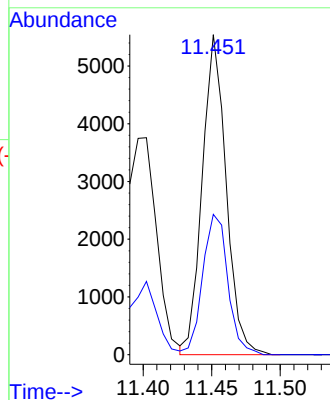
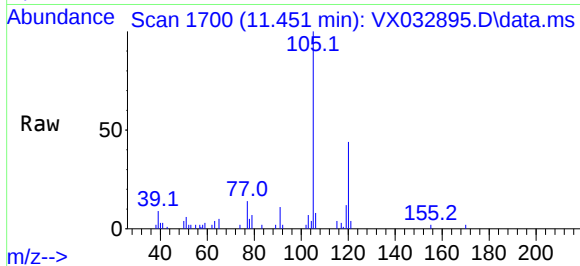




#80
1,3,5-Trimethylbenzene
Concen: 1.220 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

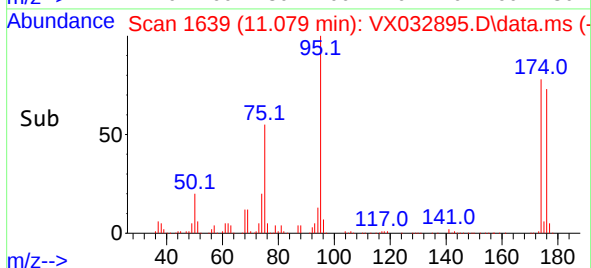
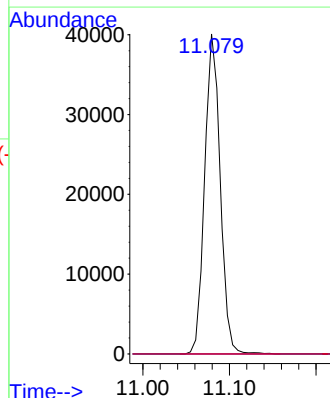
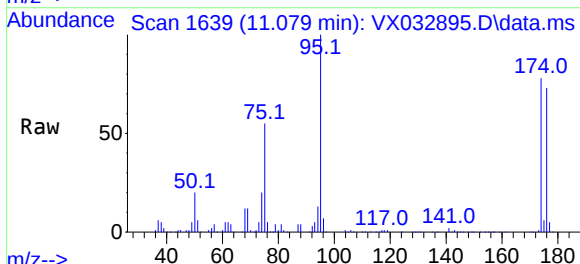
Instrument :
MSVOA_X
ClientSampleId :
34271

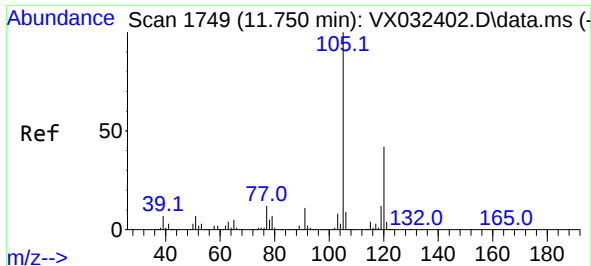
Tgt Ion:105 Resp: 6728
Ion Ratio Lower Upper
105 100
120 46.2 23.6 71.0



#81
trans-1,4-Dichloro-2-butene
Concen: 87.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion: 75 Resp: 49959
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

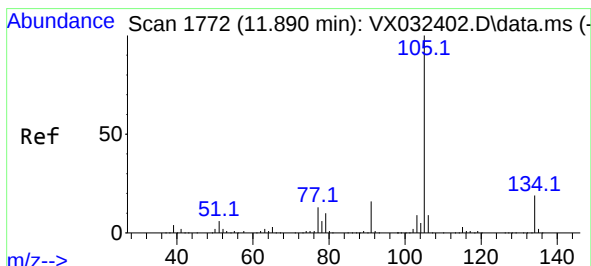
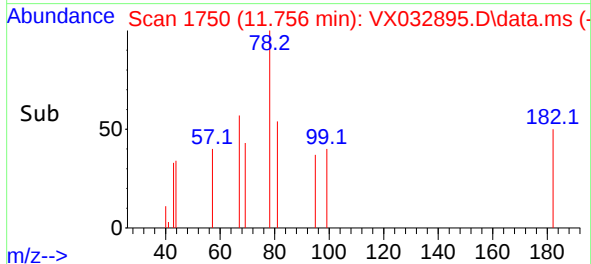
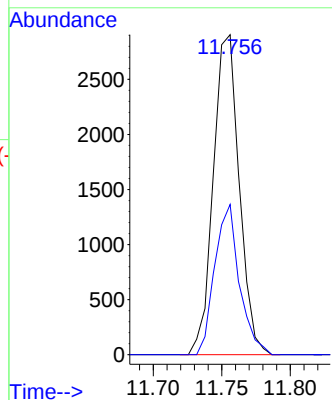
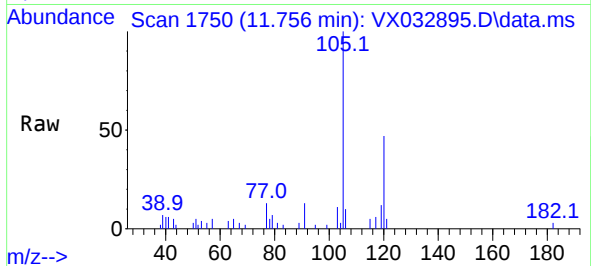




#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 11750
Delta R.T. 0.006 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

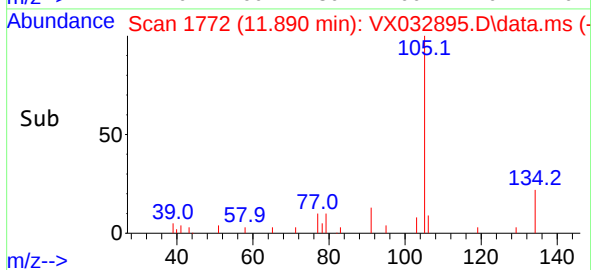
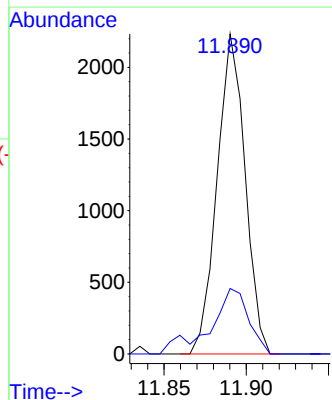
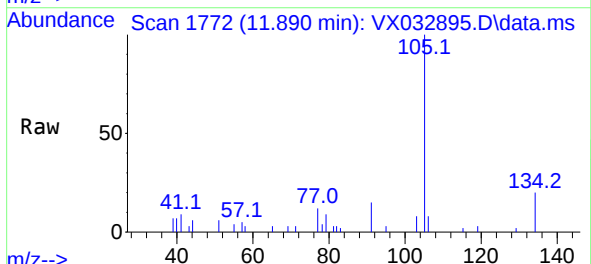
Instrument :
MSVOA_X
ClientSampleId :
34271

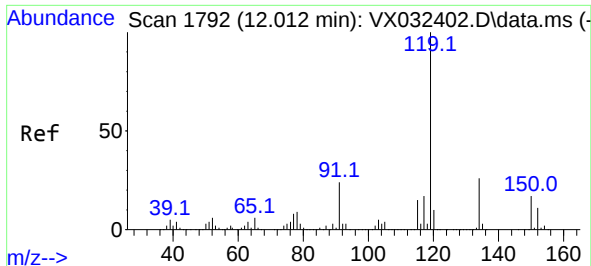
Tgt Ion:105 Resp: 3824
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.398 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion:105 Resp: 2639
Ion Ratio Lower Upper
105 100
134 24.2 9.9 29.7

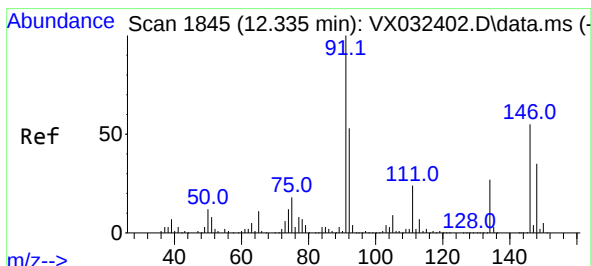
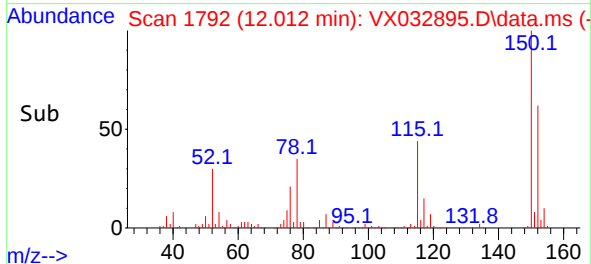
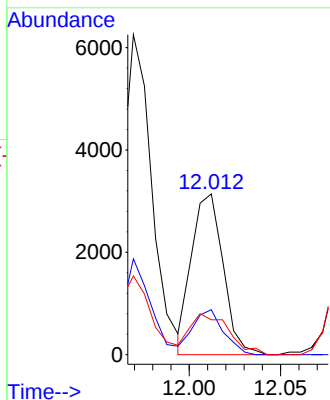
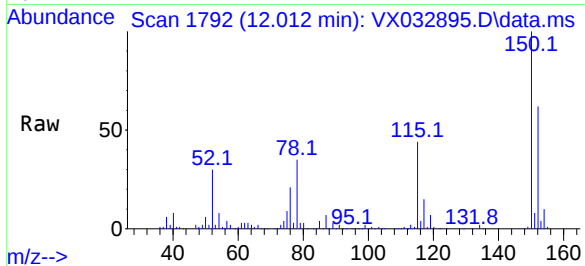




#86
p-Isopropyltoluene
Concen: 0.672 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

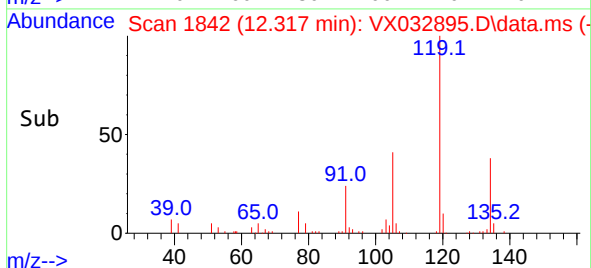
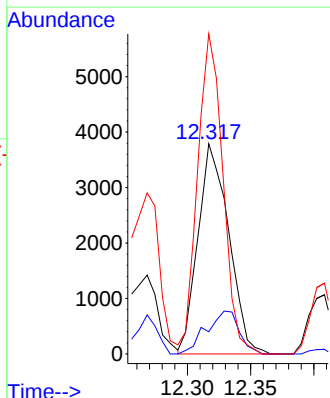
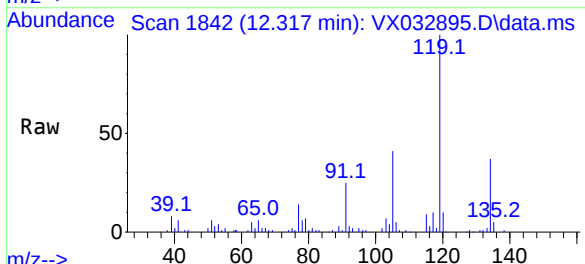
Instrument :
MSVOA_X
ClientSampleId :
34271

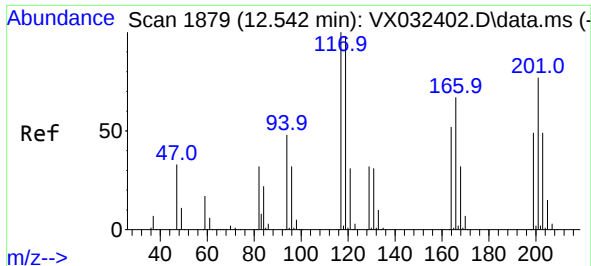
Tgt Ion:119 Resp: 3777
Ion Ratio Lower Upper
119 100
134 27.3 12.9 38.7
91 31.4 12.5 37.5



#89
n-Butylbenzene
Concen: 1.313 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Tgt Ion: 91 Resp: 6418
Ion Ratio Lower Upper
91 100
92 21.8 26.2 78.6#
134 125.5 12.9 38.6#

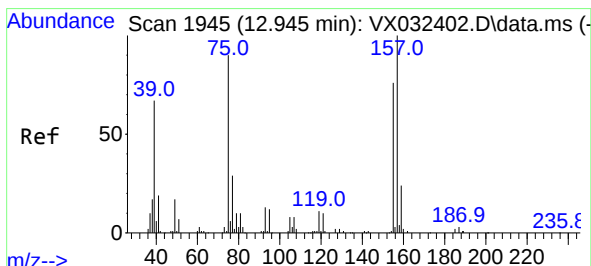
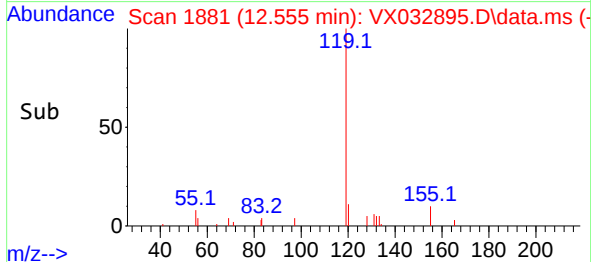
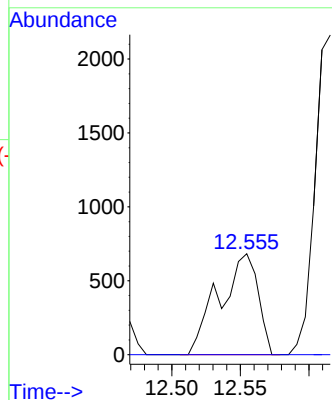
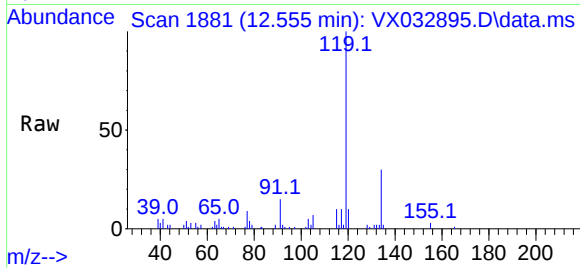




#90
Hexachloroethane
Concen: 1.466 ug/l
RT: 12.555 min Scan# 1881
Delta R.T. 0.012 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

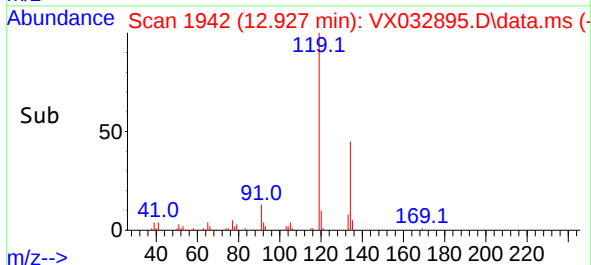
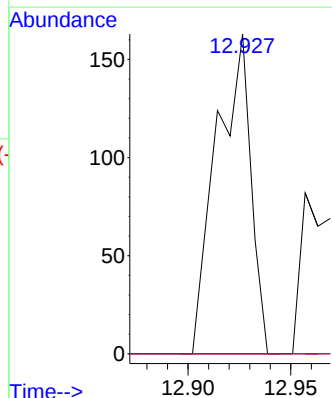
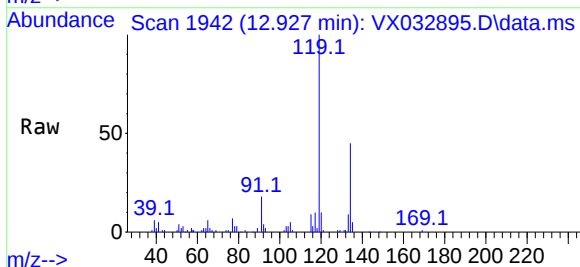
Instrument :
MSVOA_X
ClientSampleId :
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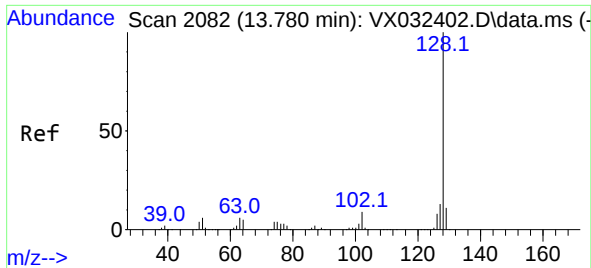
Tgt Ion:117 Resp: 1346
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.418 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. -0.018 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

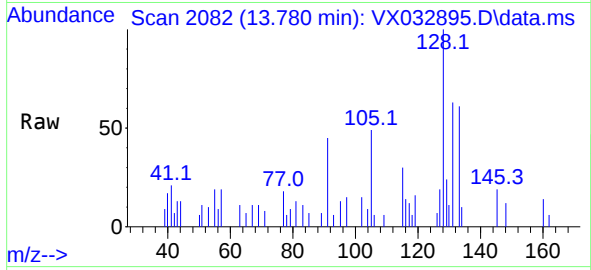
Tgt Ion: 75 Resp: 190
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#





#95
Naphthalene
Concen: 0.318 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX032895.D
Acq: 17 Nov 2022 13:21

Instrument :
MSVOA_X
ClientSampleId :
34271



Tgt Ion:128 Resp: 2030

Ion	Ratio	Lower	Upper
128	100		
127	23.2	10.2	15.4#
129	0.0	8.9	13.3#

