

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030871.D
 Acq On : 27 Aug 2022 15:29
 Operator : JC/MD
 Sample : N4389-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 265393-3

Quant Time: Aug 29 01:10:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

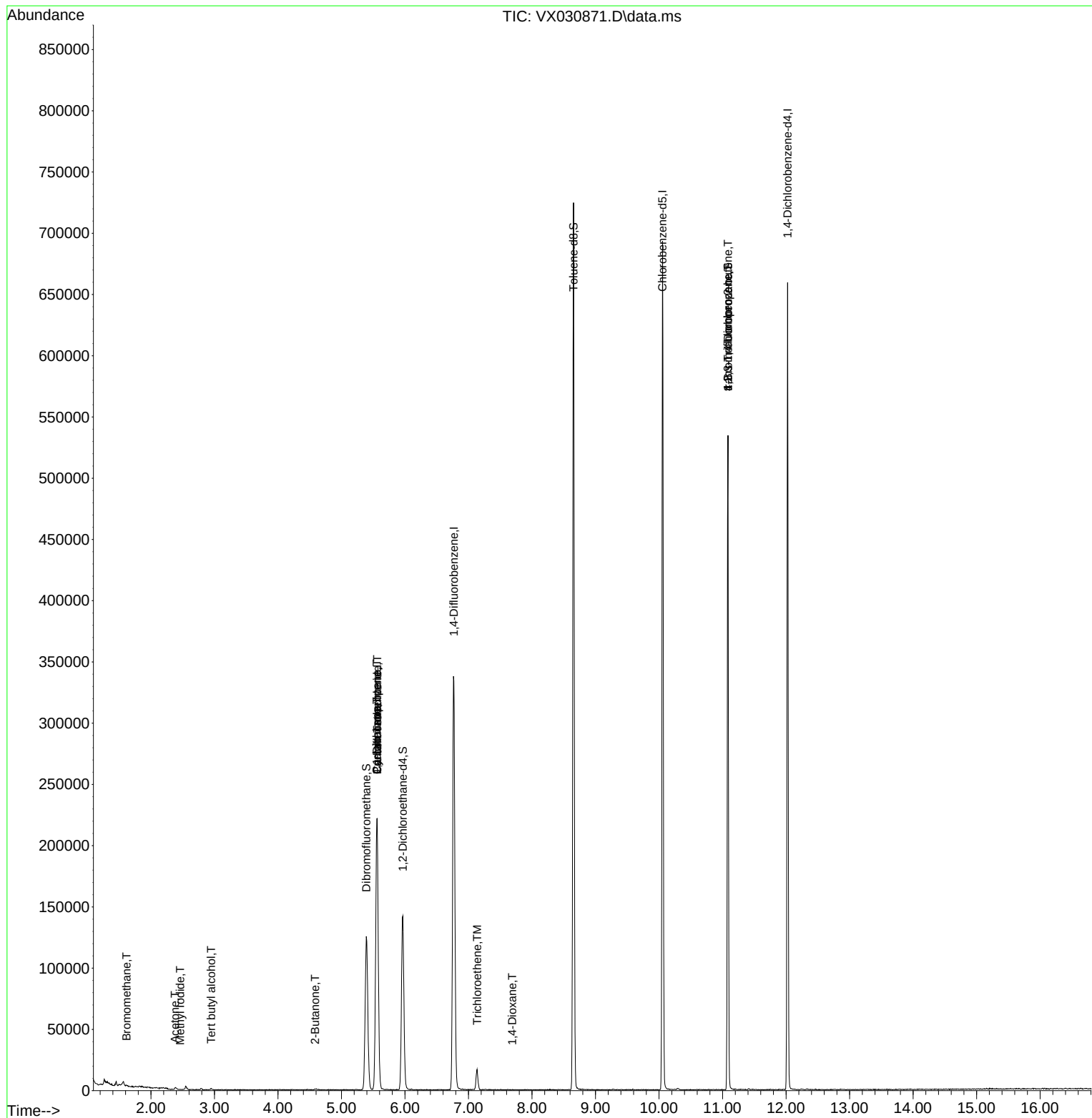
Internal Standards						
1) Pentafluorobenzene	5.562	168	205926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	348268	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	137986	56.966	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.940%	
35) Dibromofluoromethane	5.391	113	110879	51.803	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.600%	
50) Toluene-d8	8.653	98	418011	56.044	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.080%	
62) 4-Bromofluorobenzene	11.085	95	138071	49.723	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.440%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	449	Below Cal	#	42
5) Bromomethane	1.617	94	299	0.312	ug/l	92
6) Chloroethane	1.648	64	56	Below Cal	#	41
10) Methyl Iodide	2.459	142	240	4.161	ug/l	# 62
11) Tert butyl alcohol	2.946	59	516	0.981	ug/l	# 74
16) Acetone	2.380	43	2002	1.789	ug/l	# 87
17) Carbon Disulfide	2.514	76	403	Below Cal	#	74
20) Methylene Chloride	2.794	84	480	Below Cal	#	77
25) 2-Butanone	4.586	43	588	0.326	ug/l	# 48
31) Cyclohexane	5.556	56	4762	1.537	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	16626	5.704	ug/l	# 48
38) Carbon Tetrachloride	5.562	117	21384	6.956	ug/l	# 17
44) Trichloroethene	7.135	130	5849	2.322	ug/l	92
49) 1,4-Dioxane	7.690	88	50	0.781	ug/l	# 25
76) 1,2,3-Trichloropropane	11.085	75	69214	23.947	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	69214	77.263	ug/l	# 13

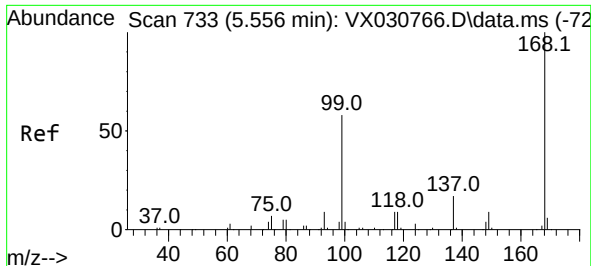
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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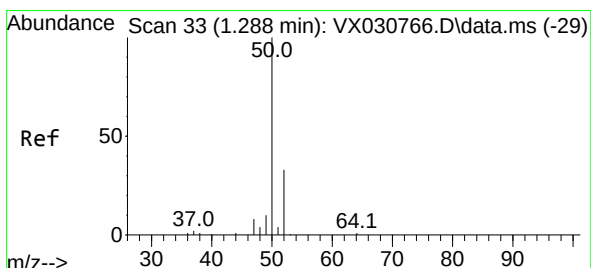
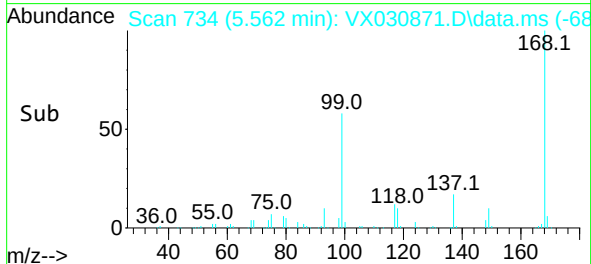
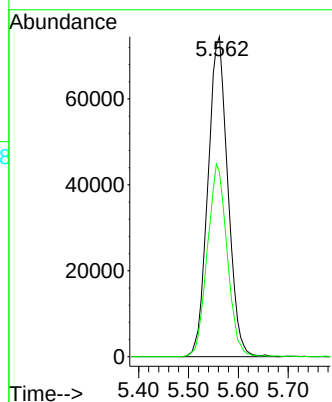
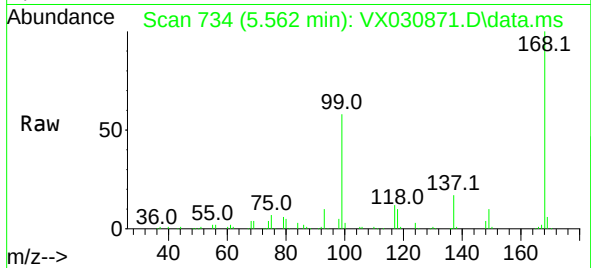




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

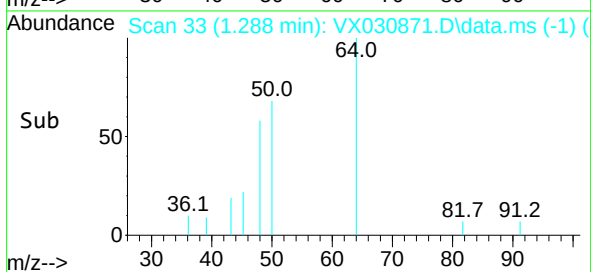
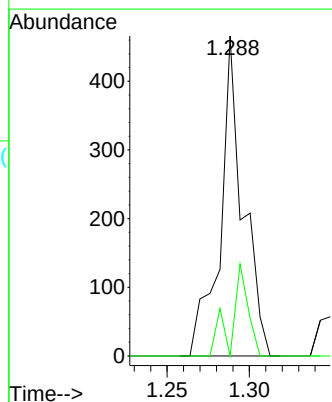
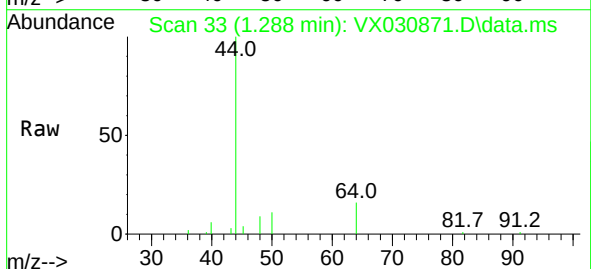
Instrument :
MSVOA_X
ClientSampleId :
265393-3

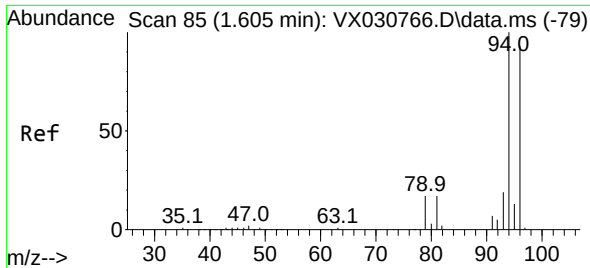
Tgt Ion:168 Resp: 205926
Ion Ratio Lower Upper
168 100
99 57.7 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

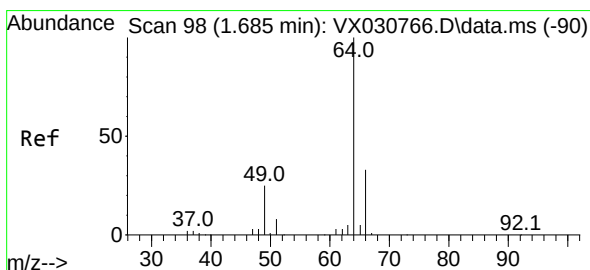
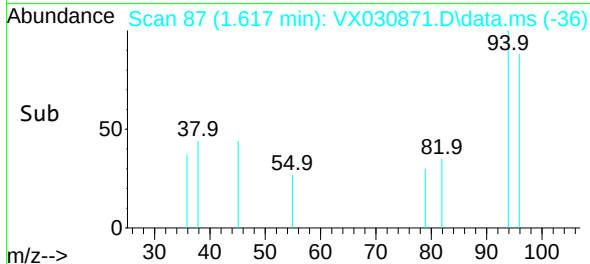
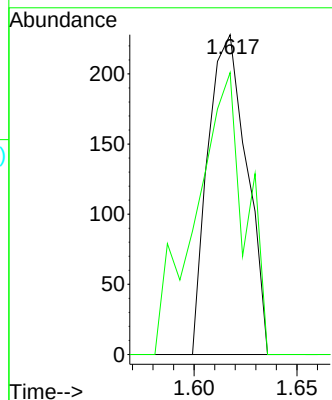
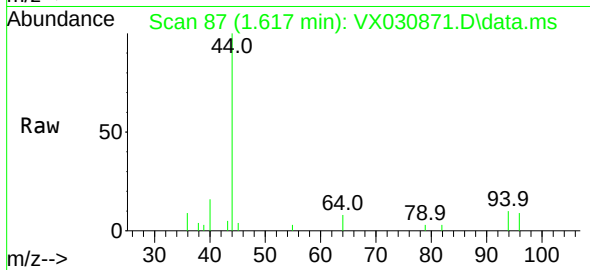




#5
Bromomethane
Concen: 0.312 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

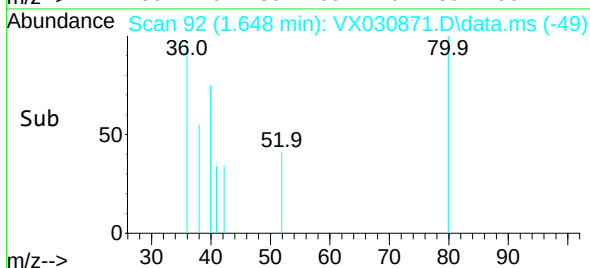
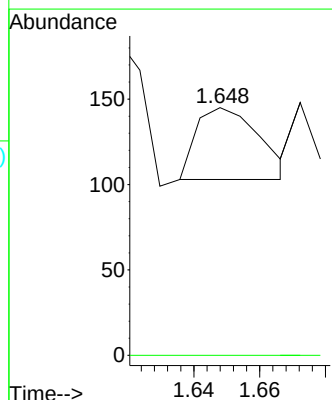
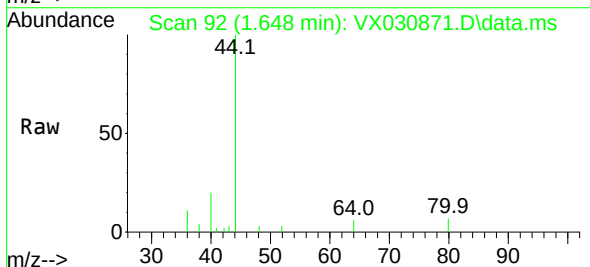
Instrument :
MSVOA_X
ClientSampleId :
265393-3

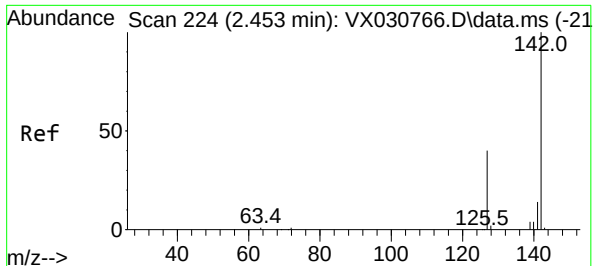
Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 88.2 76.9 115.3



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.037 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

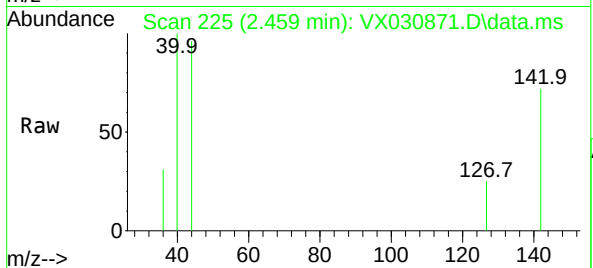
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



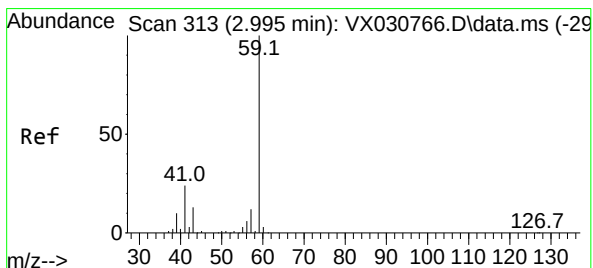
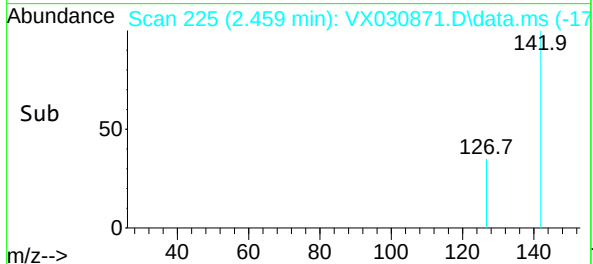
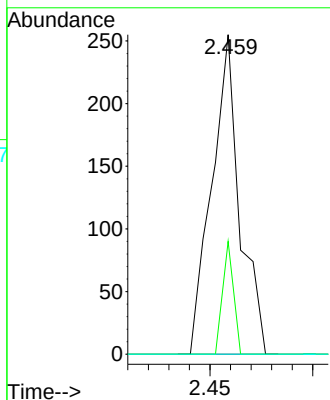


#10
Methyl Iodide
Concen: 4.161 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Instrument :
MSVOA_X
ClientSampleId :
265393-3

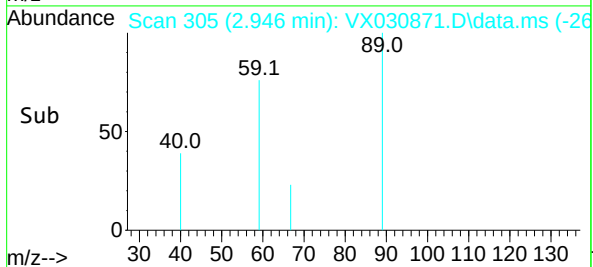
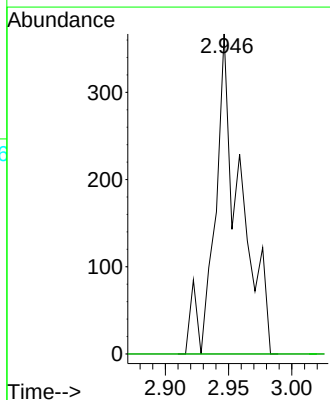
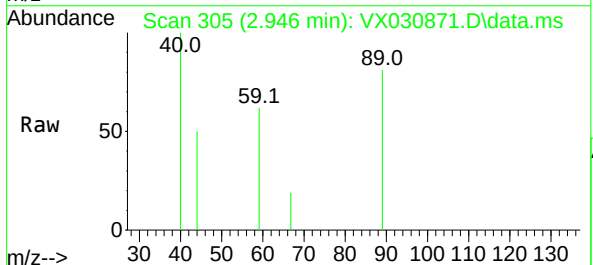


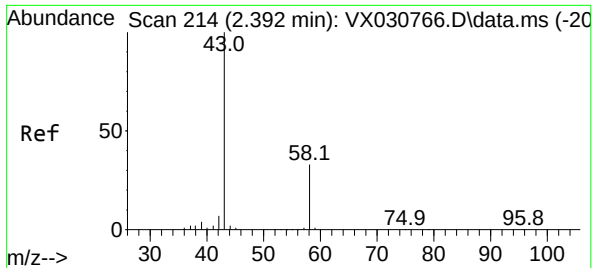
Tgt Ion:142 Resp: 240
Ion Ratio Lower Upper
142 100
127 13.8 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.981 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

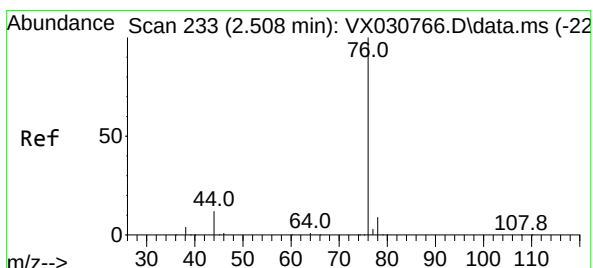
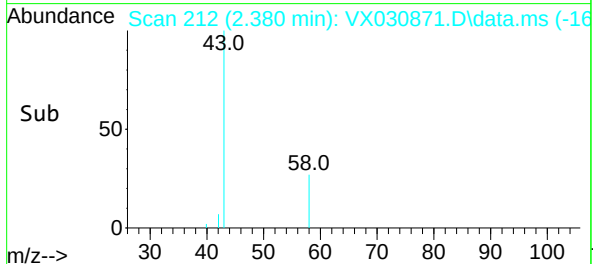
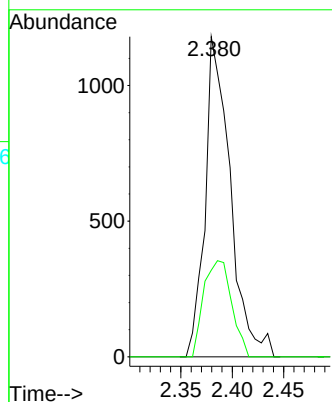
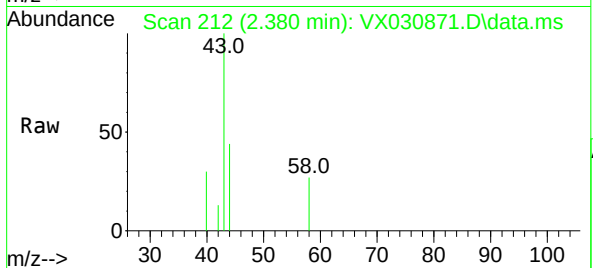




#16
Acetone
Concen: 1.789 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

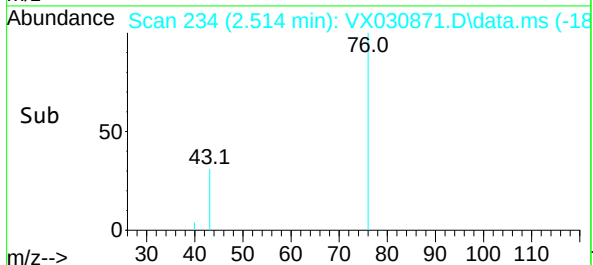
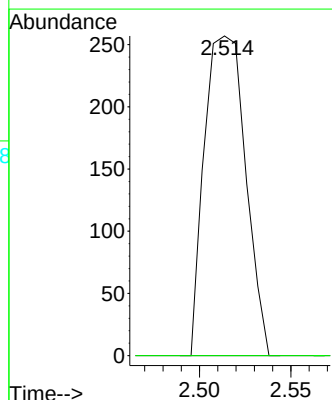
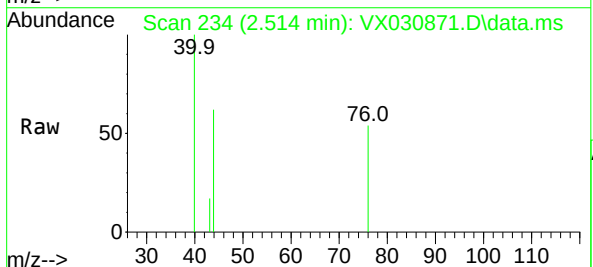
Instrument :
MSVOA_X
ClientSampleId :
265393-3

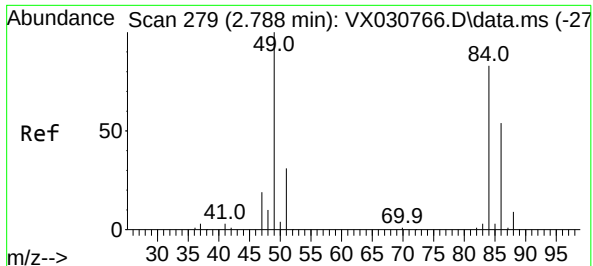
Tgt Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
58 27.0 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 76 Resp: 403
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030871.D

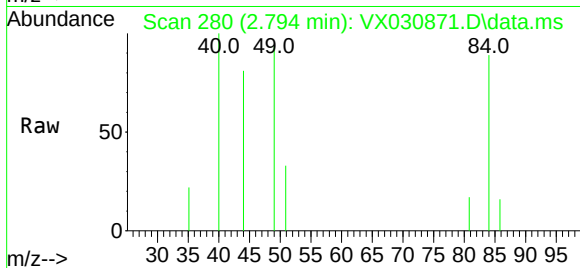
Acq: 27 Aug 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

265393-3



Tgt Ion: 84 Resp: 480

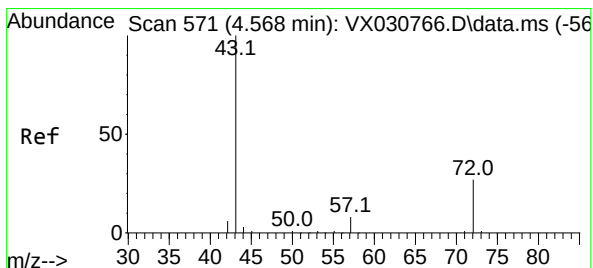
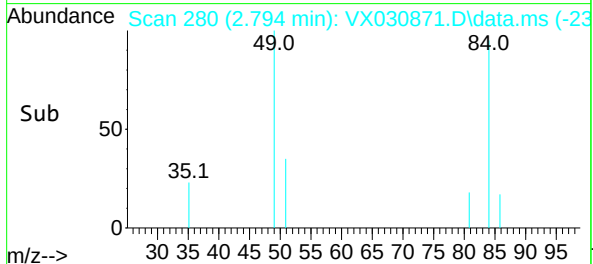
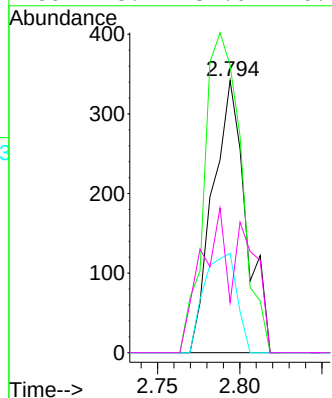
Ion Ratio Lower Upper

84 100

49 105.6 93.8 140.6

51 36.5 29.4 44.0

86 18.4 51.0 76.4#



#25

2-Butanone

Concen: 0.326 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX030871.D

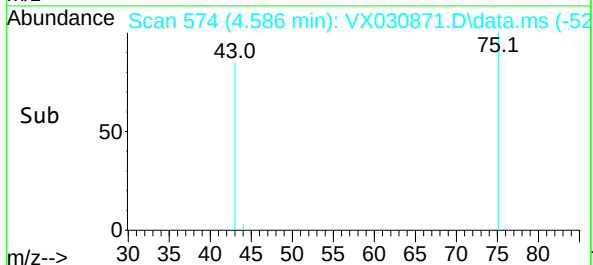
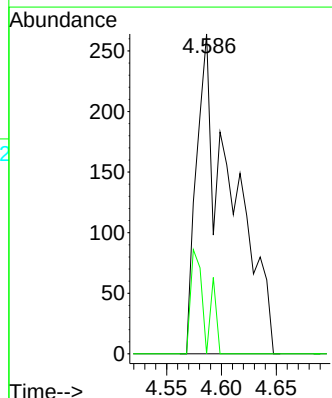
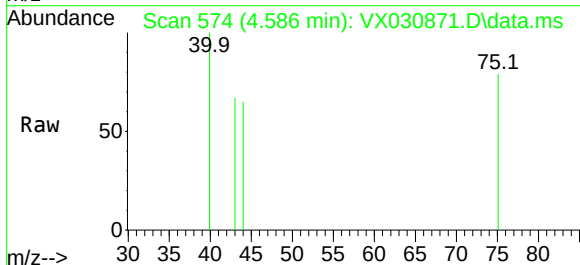
Acq: 27 Aug 2022 15:29

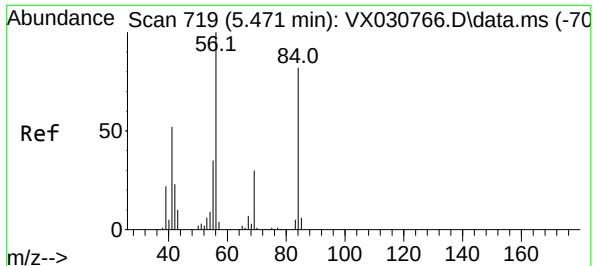
Tgt Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#

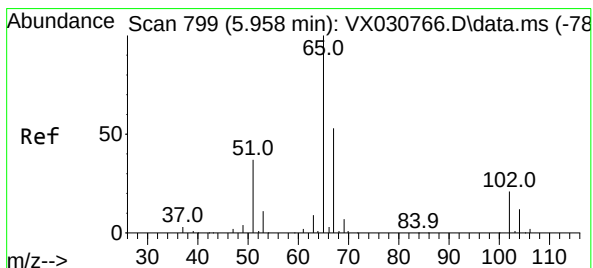
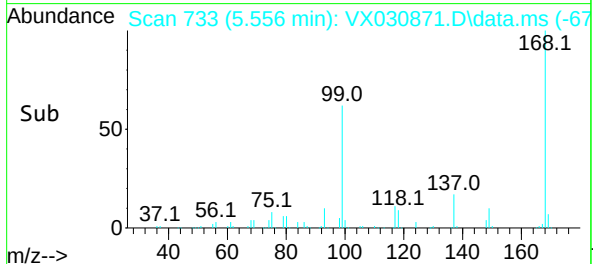
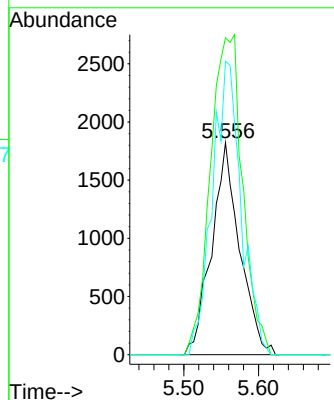
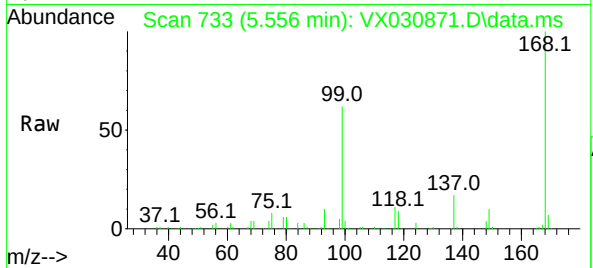




#31
Cyclohexane
Concen: 1.537 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

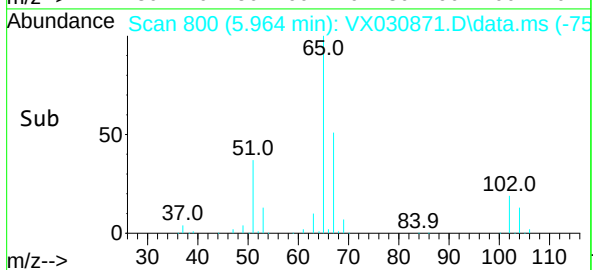
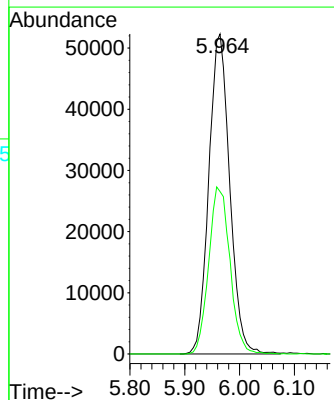
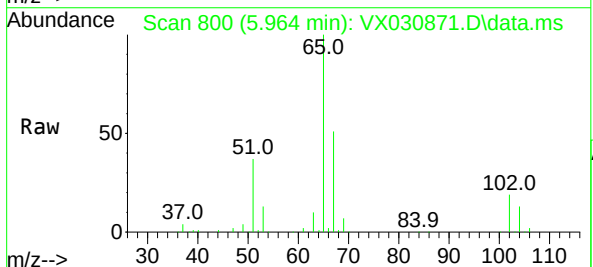
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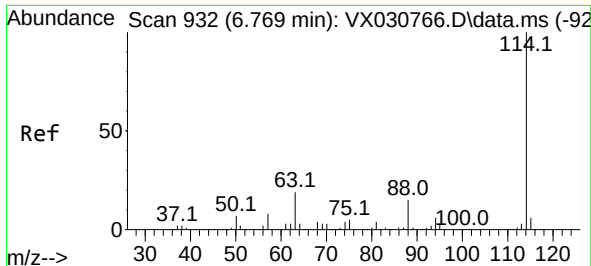
Tgt Ion: 56 Resp: 4762
Ion Ratio Lower Upper
56 100
69 149.5 25.4 38.0#
84 138.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 56.966 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 65 Resp: 137986
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6

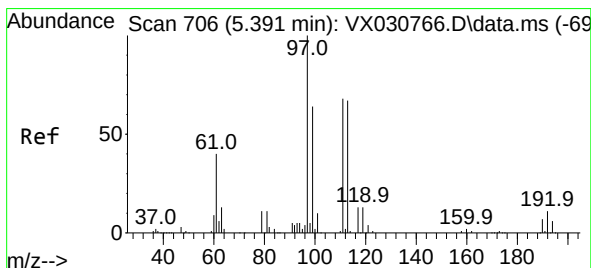
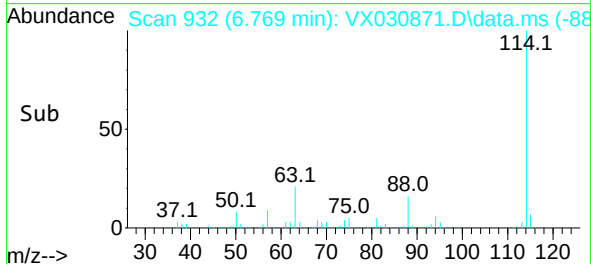
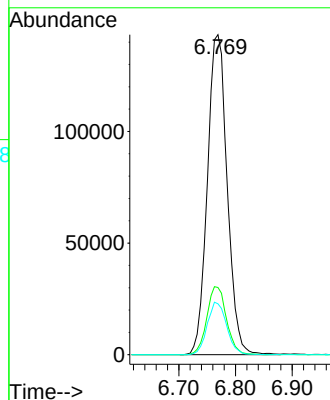
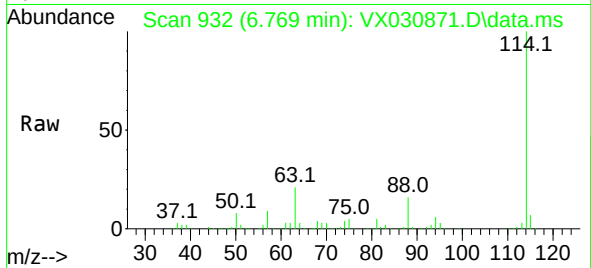




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

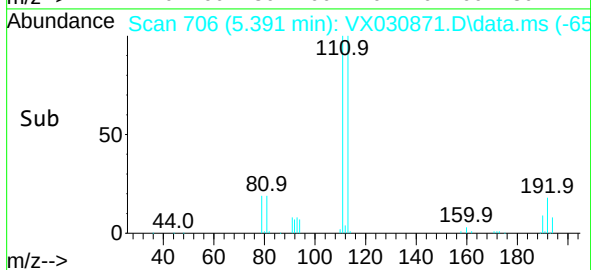
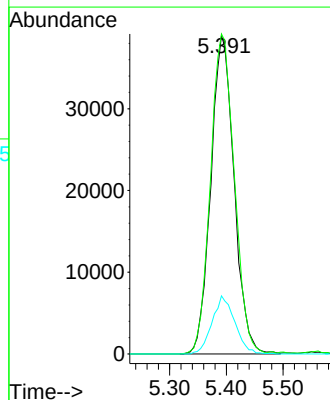
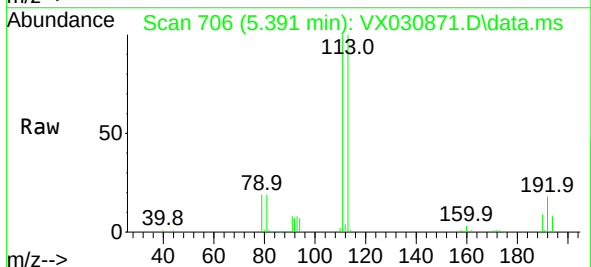
Instrument :
MSVOA_X
ClientSampleId :
265393-3

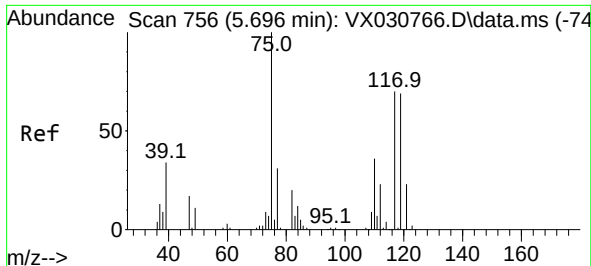
Tgt Ion:114 Resp: 348268
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.4
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.803 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion:113 Resp: 110879
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 17.9 14.8 22.2

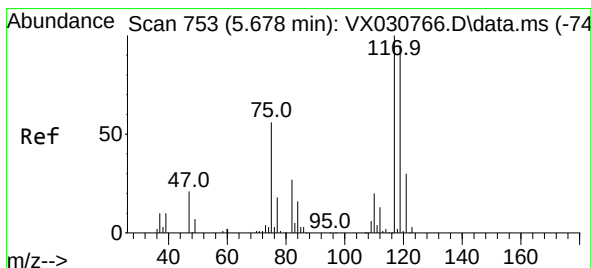
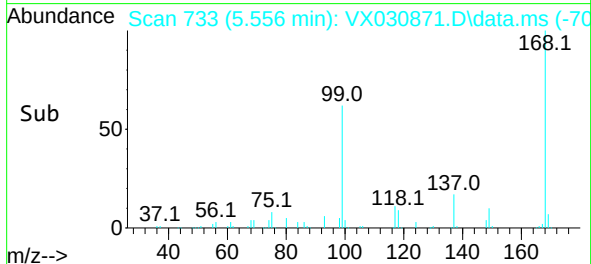
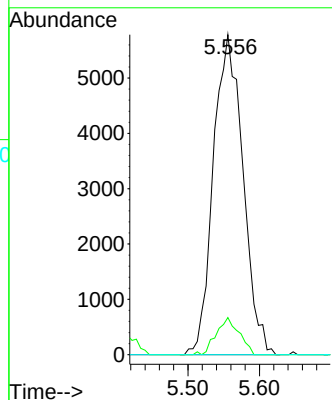
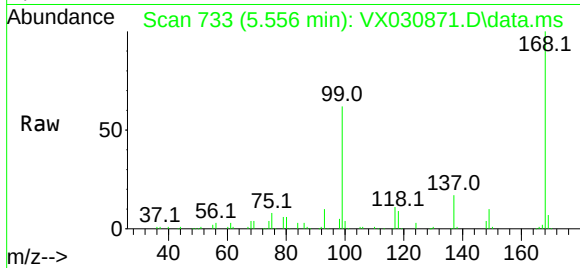




#36
1,1-Dichloropropene
Concen: 5.704 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

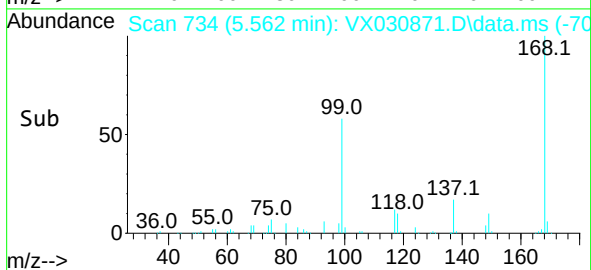
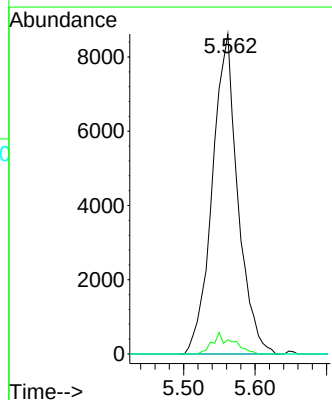
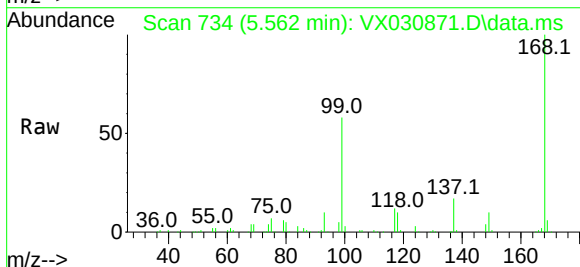
Instrument :
MSVOA_X
ClientSampleId :
265393-3

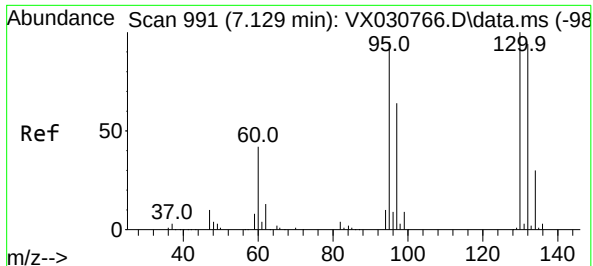
Tgt Ion: 75 Resp: 16626
Ion Ratio Lower Upper
75 100
110 8.9 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.956 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 117 Resp: 21384
Ion Ratio Lower Upper
117 100
119 4.4 74.1 111.1#
121 0.0 25.8 38.8#

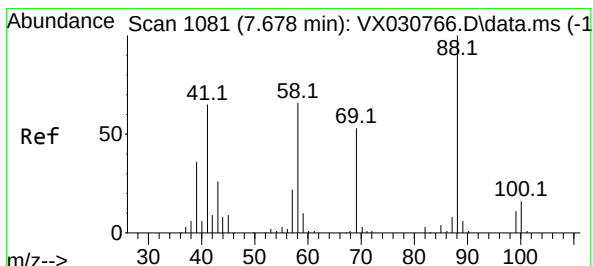
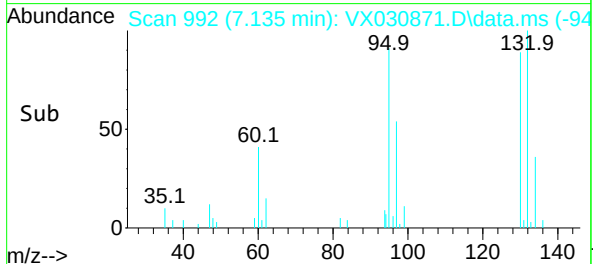
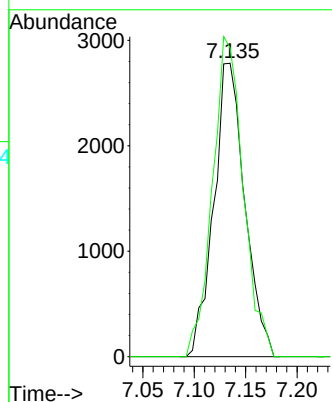
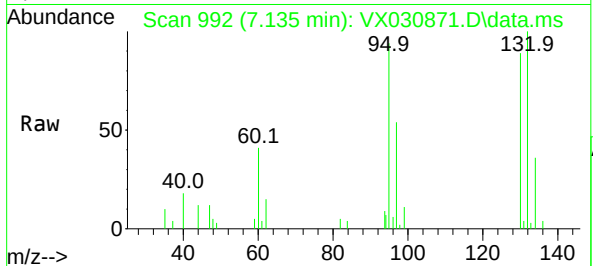




#44
Trichloroethene
Concen: 2.322 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

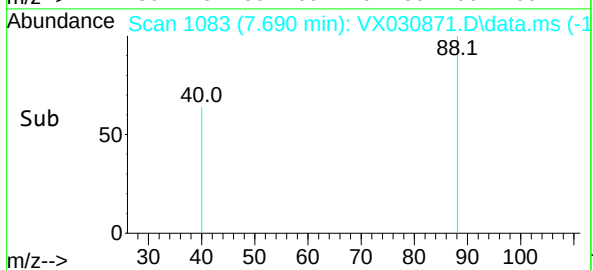
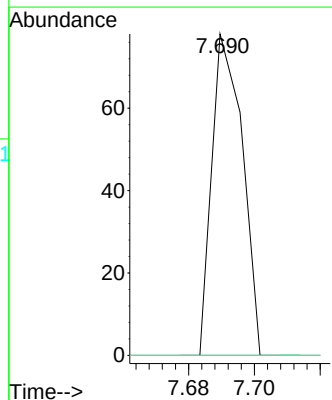
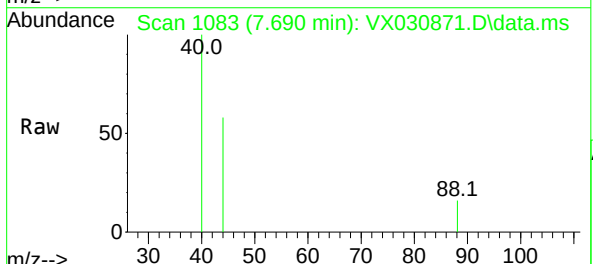
Instrument :
MSVOA_X
ClientSampleId :
265393-3

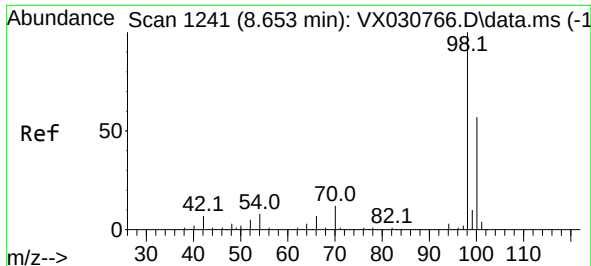
Tgt Ion:130 Resp: 5849
Ion Ratio Lower Upper
130 100
95 105.2 0.0 194.8



#49
1,4-Dioxane
Concen: 0.781 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.012 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

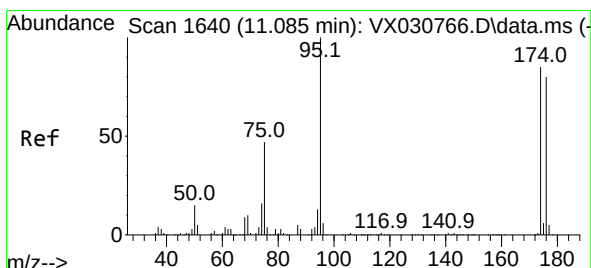
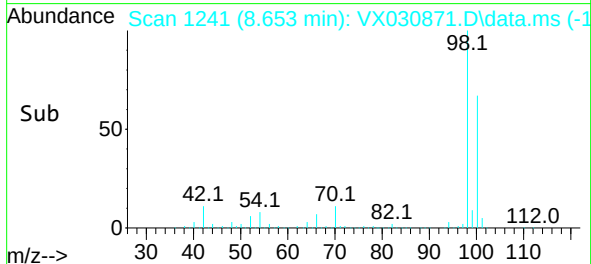
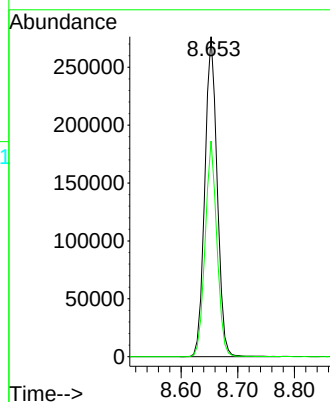
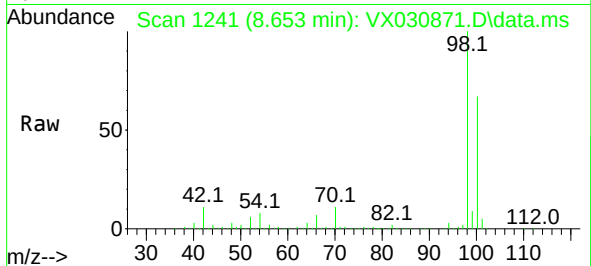




#50
Toluene-d8
Concen: 56.044 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

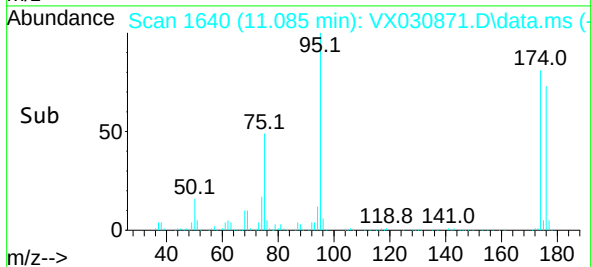
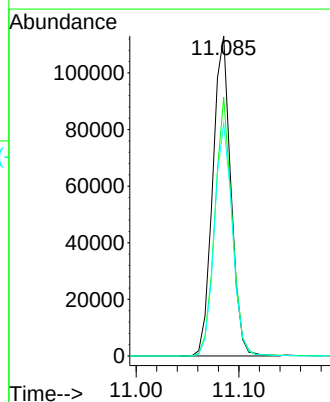
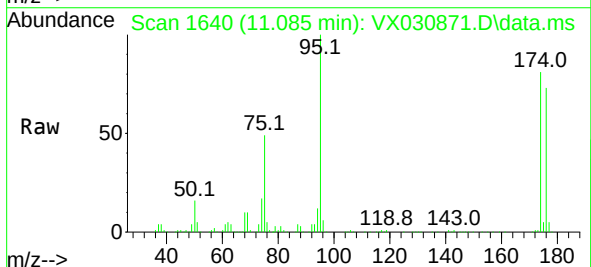
Instrument :
MSVOA_X
ClientSampleId :
265393-3

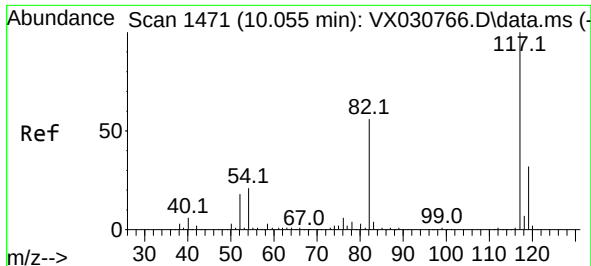
Tgt Ion: 98 Resp: 418011
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.723 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 95 Resp: 138071
Ion Ratio Lower Upper
95 100
174 76.9 0.0 149.0
176 72.2 0.0 146.0

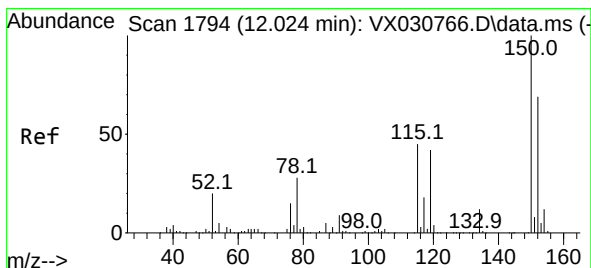
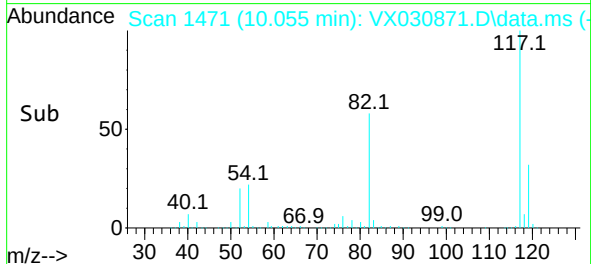
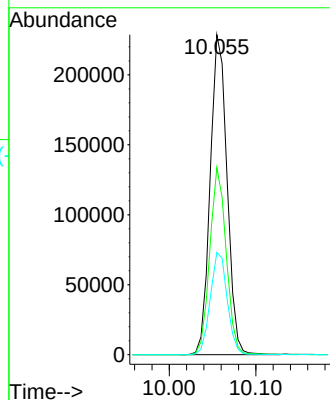
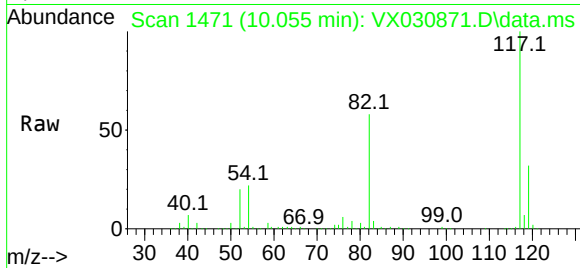




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

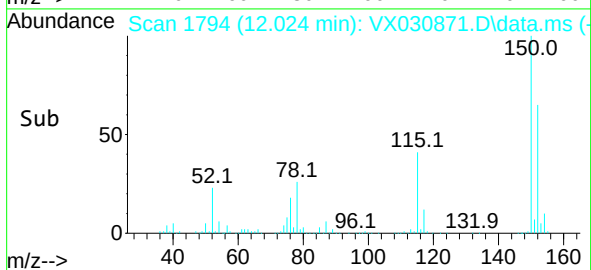
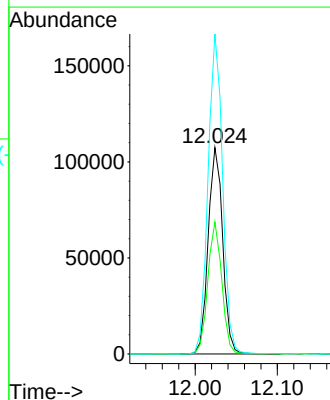
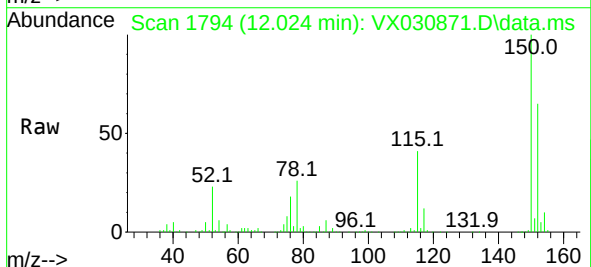
Instrument :
MSVOA_X
ClientSampleId :
265393-3

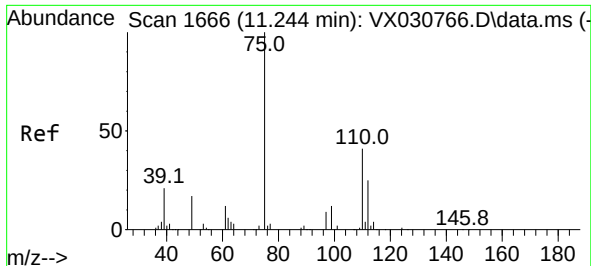
Tgt Ion:117 Resp: 309089
Ion Ratio Lower Upper
117 100
82 58.4 42.7 64.1
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion:152 Resp: 131925
Ion Ratio Lower Upper
152 100
115 61.7 40.5 121.5
150 155.3 0.0 347.0

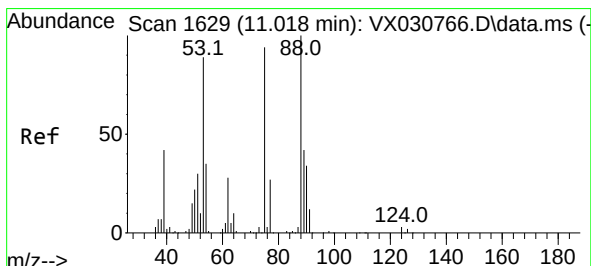
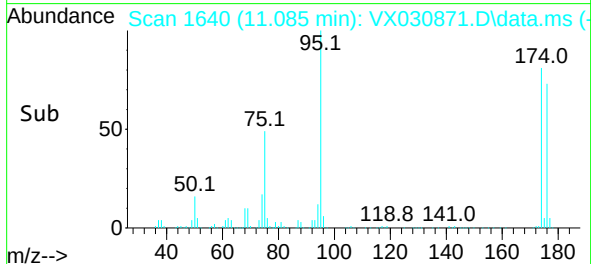
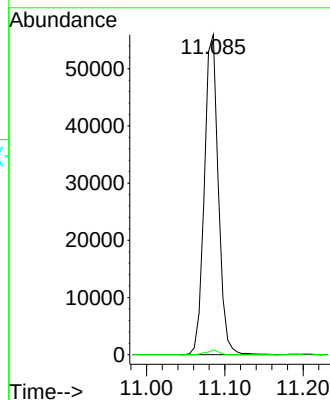
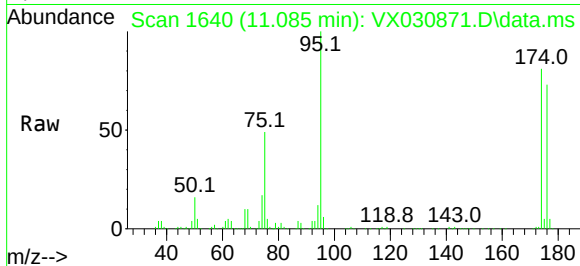




#76
1,2,3-Trichloropropane
Concen: 23.947 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Instrument :
MSVOA_X
ClientSampleId :
265393-3

Tgt Ion: 75 Resp: 69214
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.263 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030871.D
Acq: 27 Aug 2022 15:29

Tgt Ion: 75 Resp: 69214
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

