

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030983.D
 Acq On : 31 Aug 2022 17:07
 Operator : JC/MD
 Sample : N4245-13DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220816DL

Quant Time: Sep 06 02:19:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

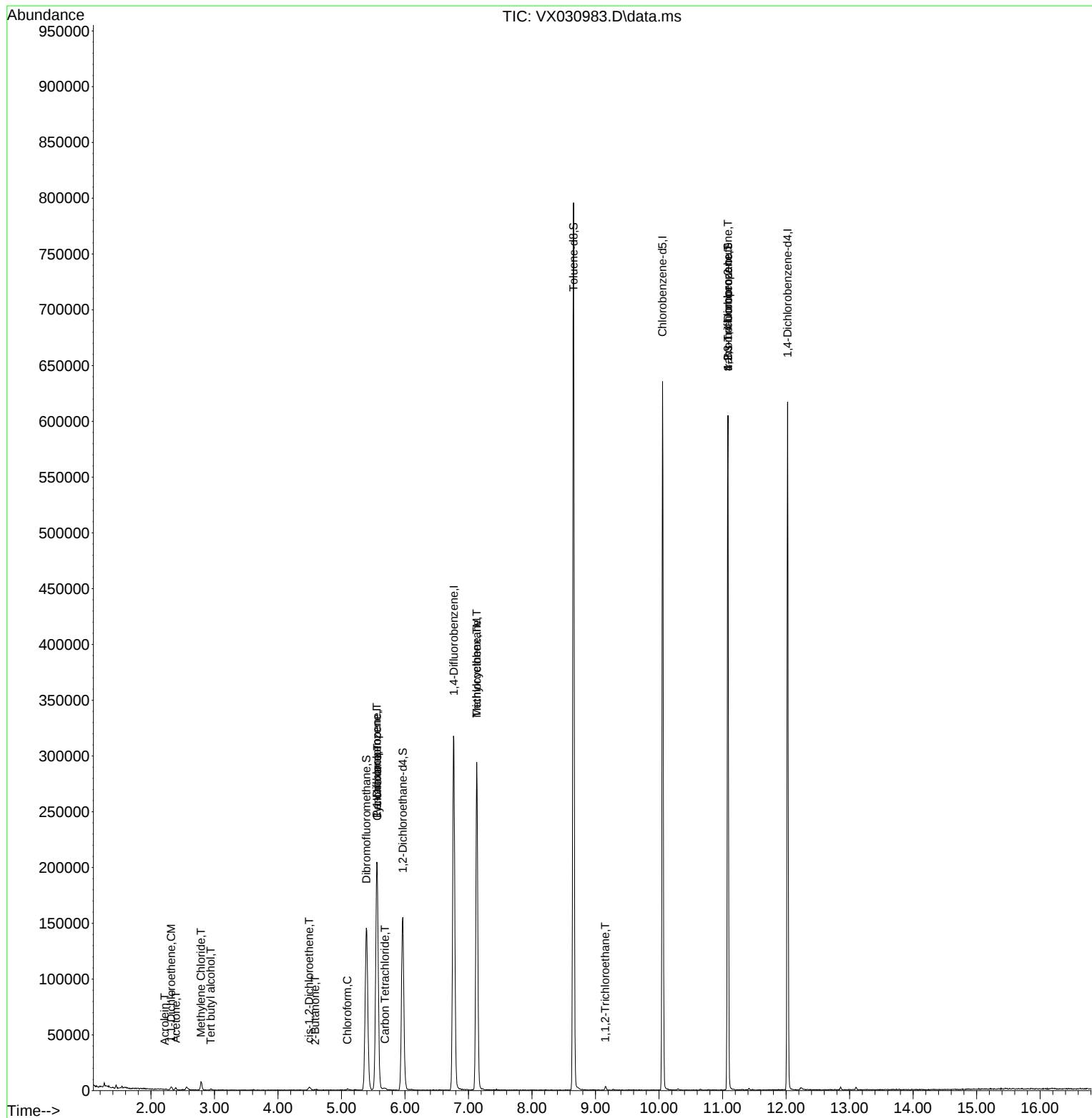
Internal Standards						
1) Pentafluorobenzene	5.556	168	201278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	339180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146747	50.832	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.660%			
35) Dibromofluoromethane	5.391	113	132006	52.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	8.653	98	482994	52.163	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.320%			
62) 4-Bromofluorobenzene	11.085	95	164495	49.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.780%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	283	Below Cal	#	2
11) Tert butyl alcohol	2.940	59	602	0.880	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	928	0.379	ug/l #	73
13) Acrolein	2.215	56	27	7.349	ug/l #	14
16) Acetone	2.392	43	1905	1.462	ug/l	90
20) Methylene Chloride	2.788	84	3370	1.138	ug/l	87
25) 2-Butanone	4.587	43	563	0.267	ug/l #	48
27) cis-1,2-Dichloroethene	4.489	96	1694	0.554	ug/l	94
30) Chloroform	5.093	83	1086	0.219	ug/l	84
31) Cyclohexane	5.562	56	3185	0.745	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14973	4.029	ug/l #	51
38) Carbon Tetrachloride	5.684	117	1735	0.490	ug/l #	79
39) Methylcyclohexane	7.129	83	1295	0.285	ug/l #	1
44) Trichloroethene	7.129	130	118656	37.605	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	1046	0.368	ug/l #	80
76) 1,2,3-Trichloropropane	11.085	75	77839	23.558	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	77839	70.042	ug/l #	13

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

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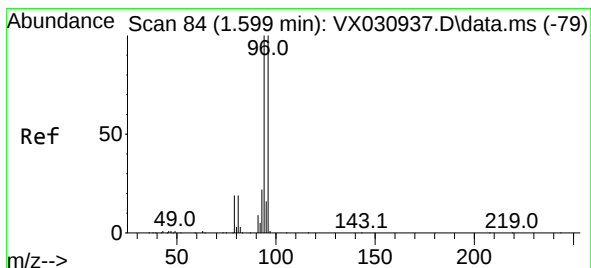
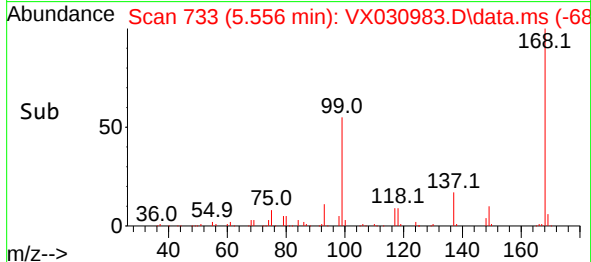
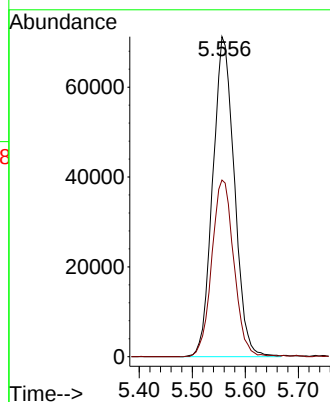
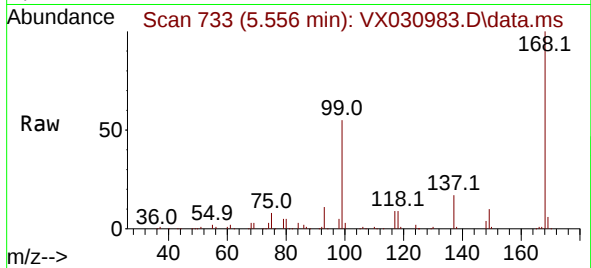




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

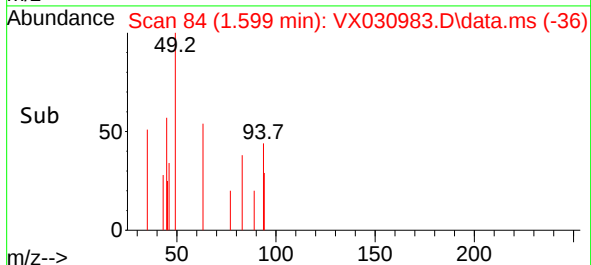
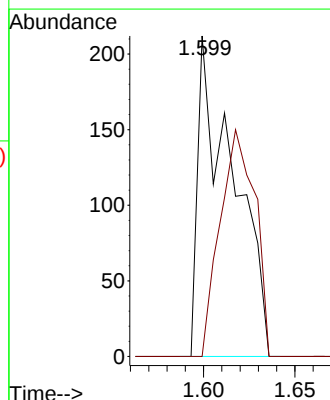
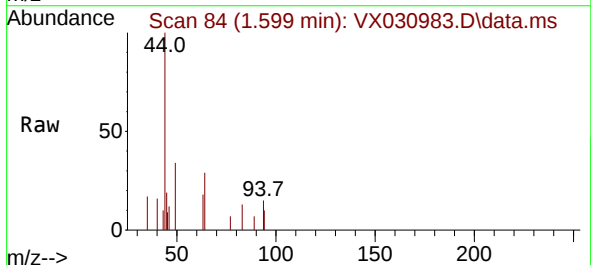
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

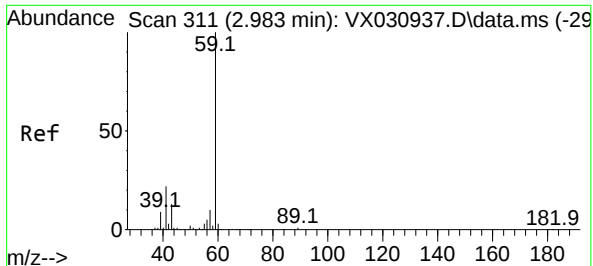
Tgt Ion:168 Resp: 201278
Ion Ratio Lower Upper
168 100
99 55.2 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#





#11

Tert butyl alcohol

Concen: 0.880 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX030983.D

Acq: 31 Aug 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

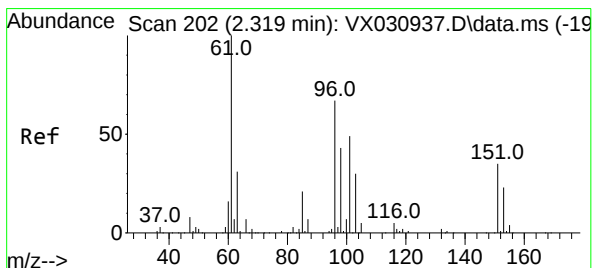
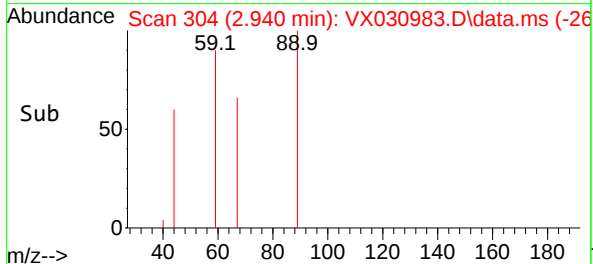
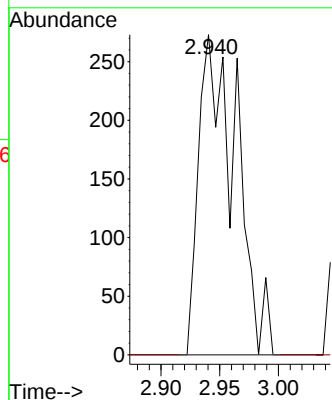
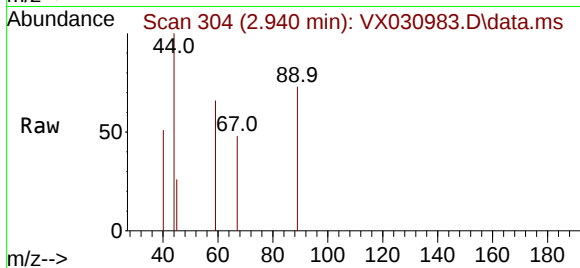
DUP04-20220816DL

Tgt Ion: 59 Resp: 602

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.379 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX030983.D

Acq: 31 Aug 2022 17:07

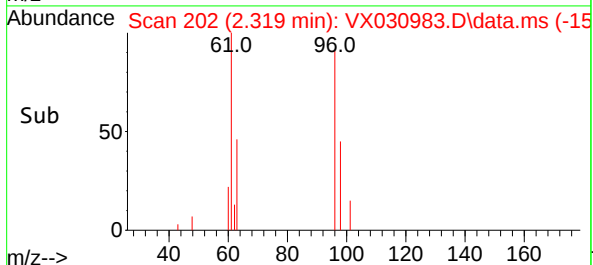
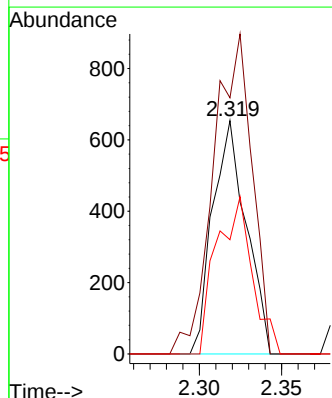
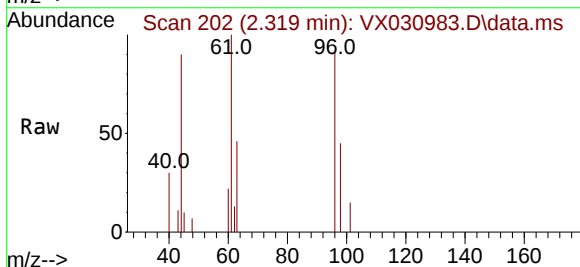
Tgt Ion: 96 Resp: 928

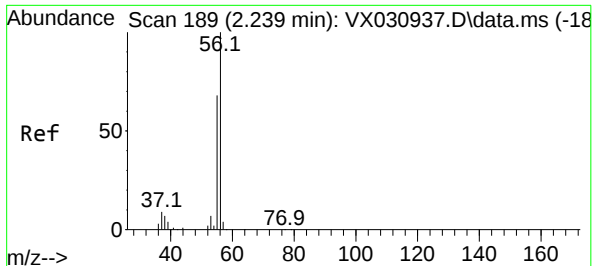
Ion Ratio Lower Upper

96 100

61 109.8 117.4 176.0#

98 48.9 52.2 78.4#

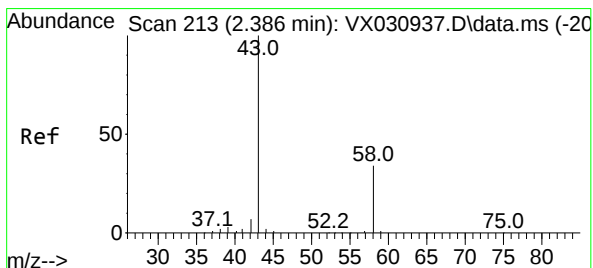
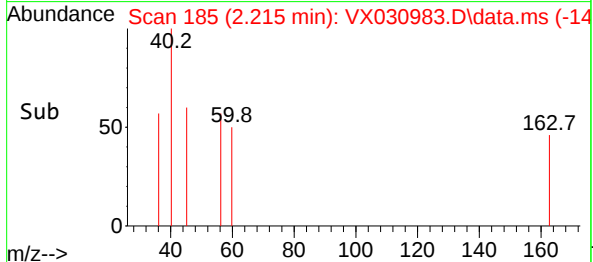
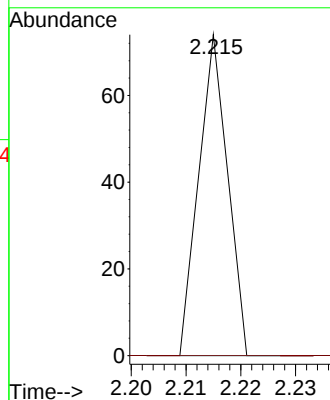
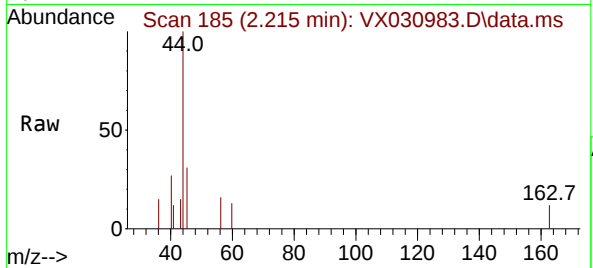




#13
Acrolein
Concen: 7.349 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

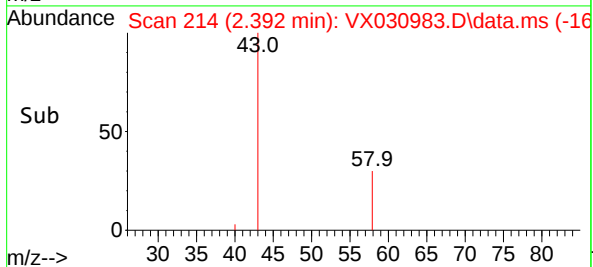
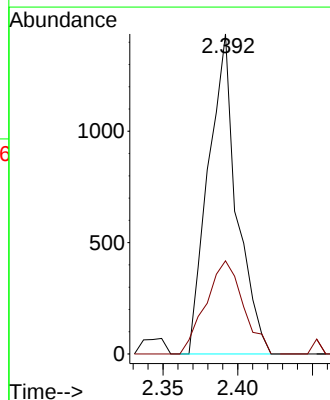
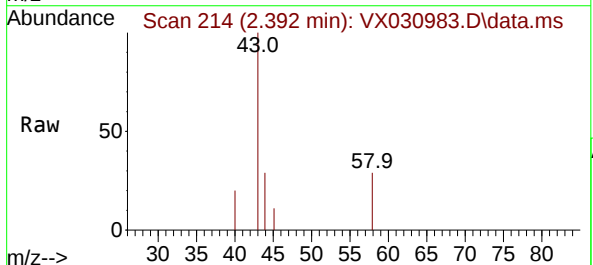
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

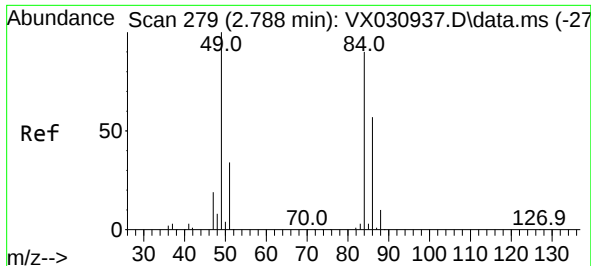
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.462 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
58 29.1 27.7 41.5

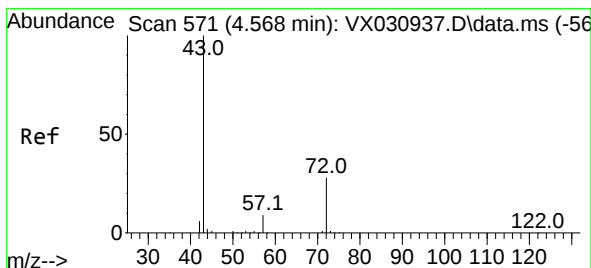
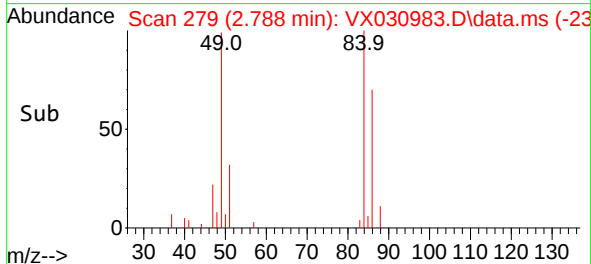
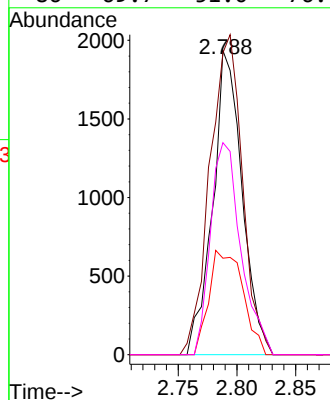
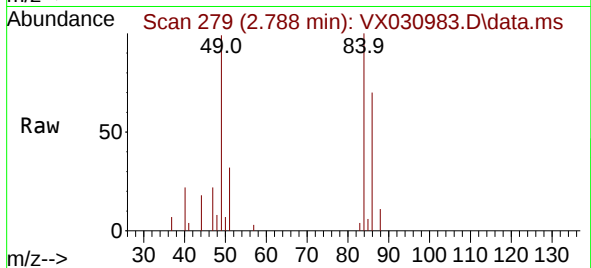




#20
Methylene Chloride
Concen: 1.138 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

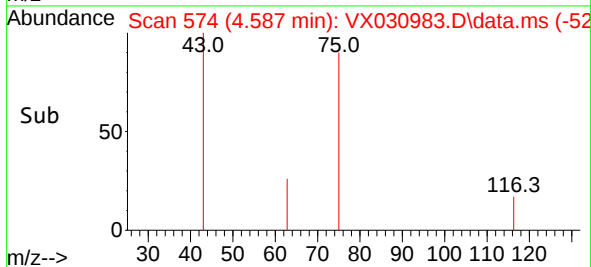
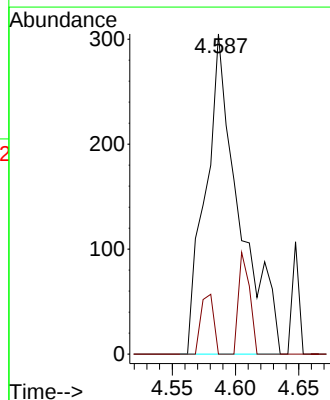
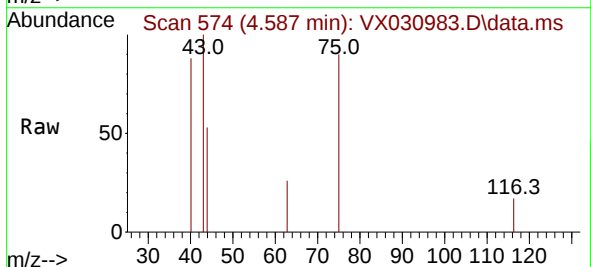
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

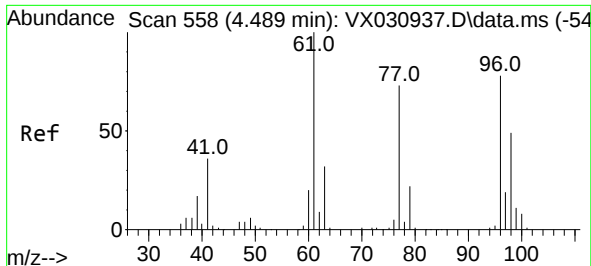
Tgt Ion:	84	Resp:	3370
Ion	Ratio	Lower	Upper
84	100		
49	99.2	93.8	140.6
51	31.7	29.4	44.0
86	69.7	51.0	76.4



#25
2-Butanone
Concen: 0.267 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion:	43	Resp:	563
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#

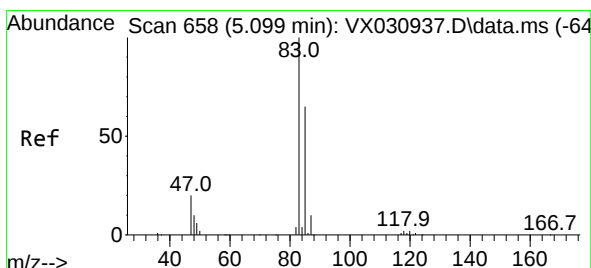
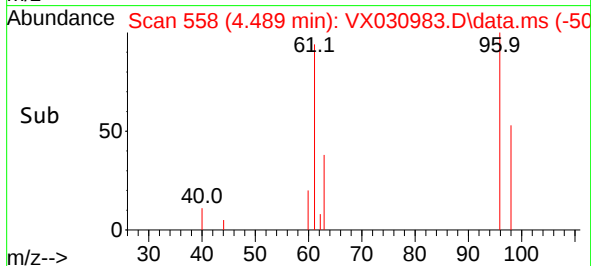
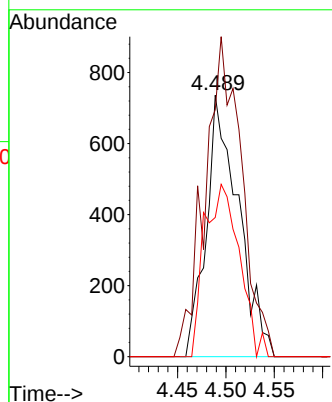
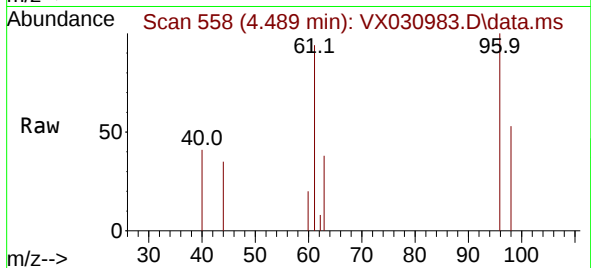




#27
 cis-1,2-Dichloroethene
 Concen: 0.554 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX030983.D
 Acq: 31 Aug 2022 17:07

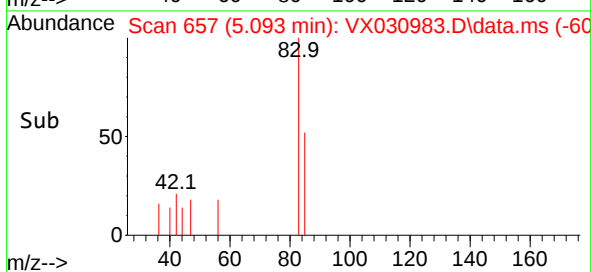
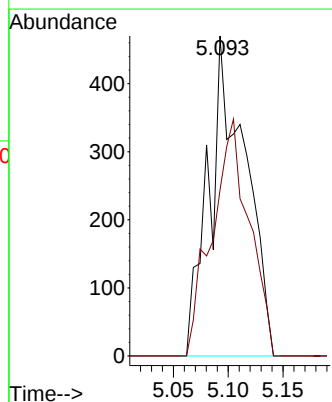
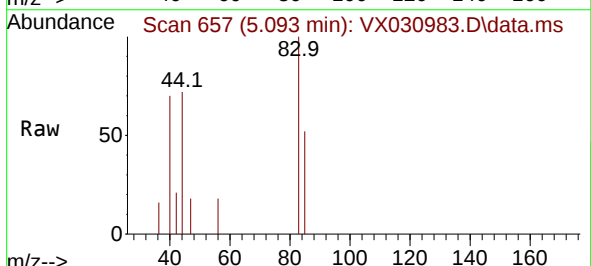
Instrument :
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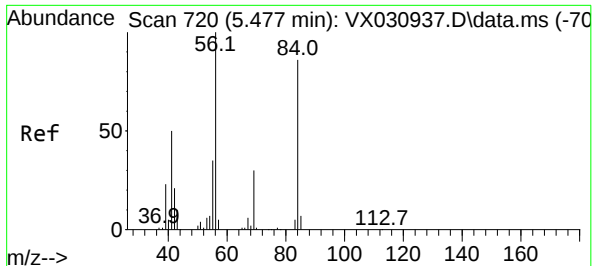
Tgt Ion: 96	Resp:	1694	
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	270.0
98	72.0	0.0	127.8



#30
 Chloroform
 Concen: 0.219 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. -0.006 min
 Lab File: VX030983.D
 Acq: 31 Aug 2022 17:07

Tgt Ion: 83	Resp:	1086	
Ion	Ratio	Lower	Upper
83	100		
85	51.9	51.5	77.3

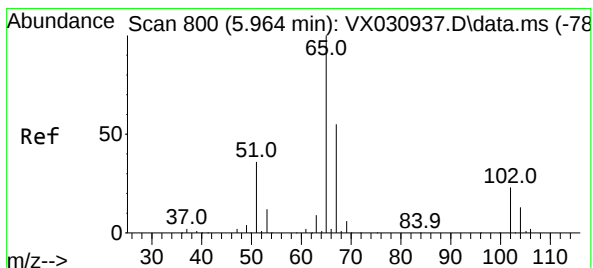
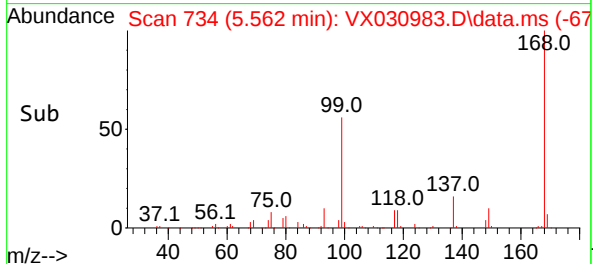
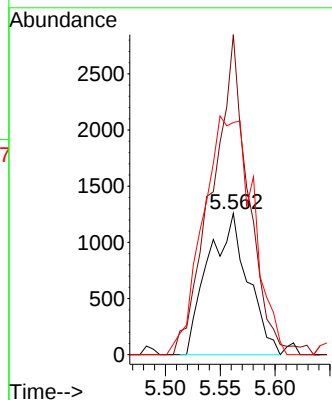
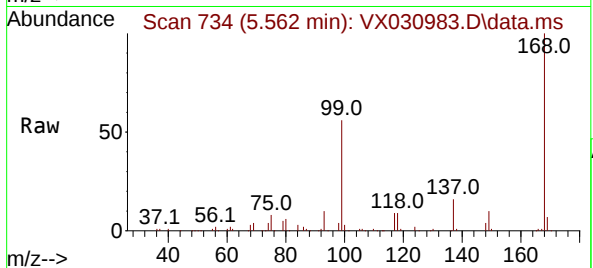




#31
Cyclohexane
Concen: 0.745 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

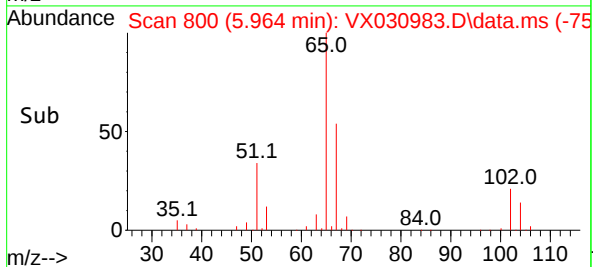
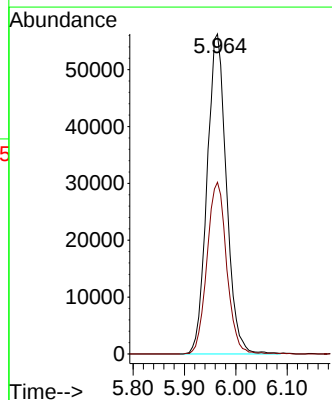
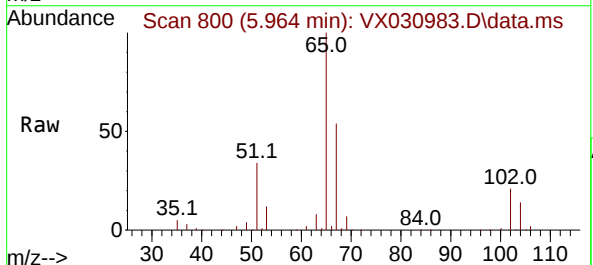
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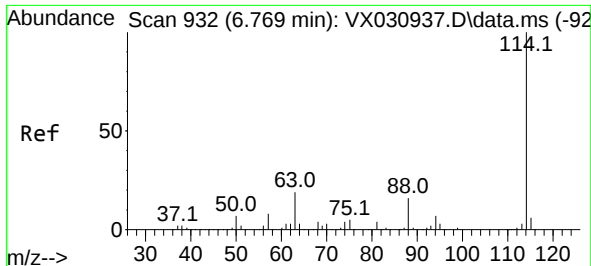
Tgt Ion: 56 Resp: 3185
Ion Ratio Lower Upper
56 100
69 219.3 25.4 38.0#
84 155.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 50.832 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion: 65 Resp: 146747
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6

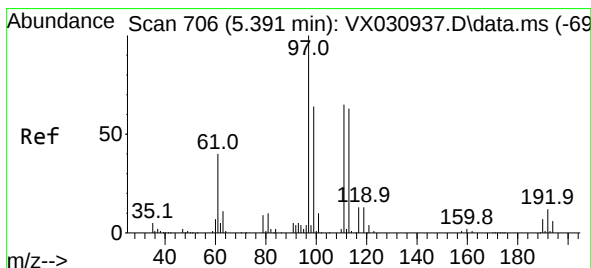
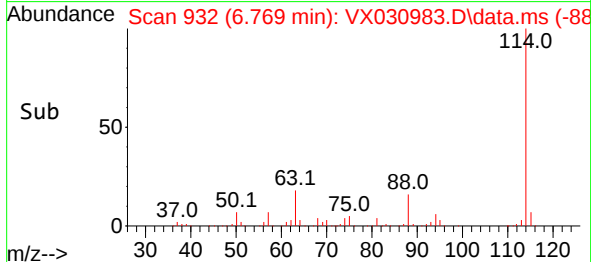
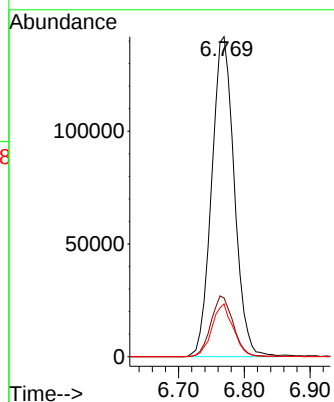
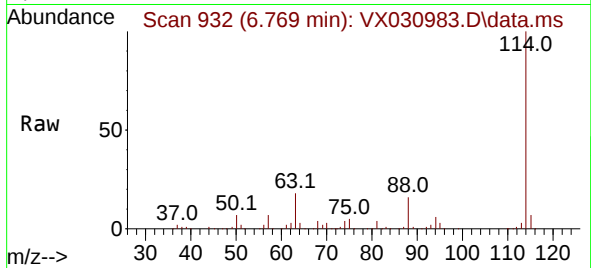




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

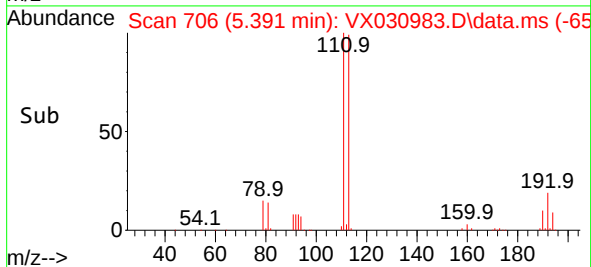
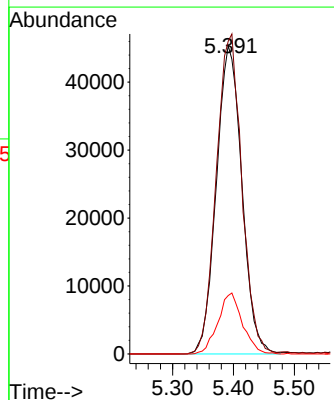
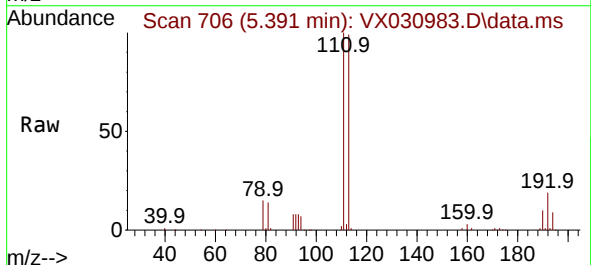
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

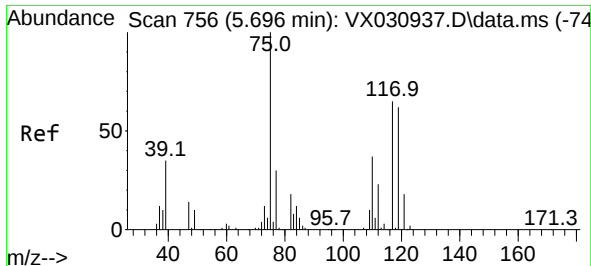
Tgt Ion:114 Resp: 339180
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 16.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.797 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion:113 Resp: 132006
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 19.0 14.8 22.2

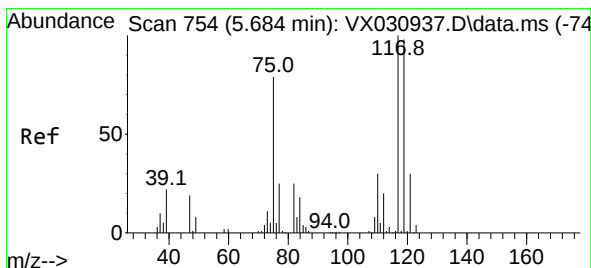
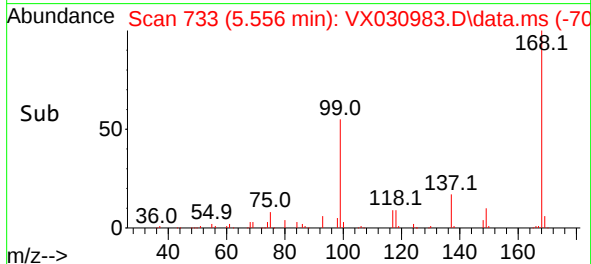
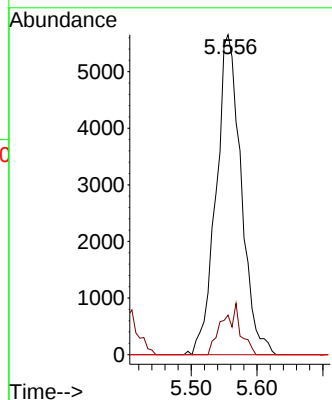
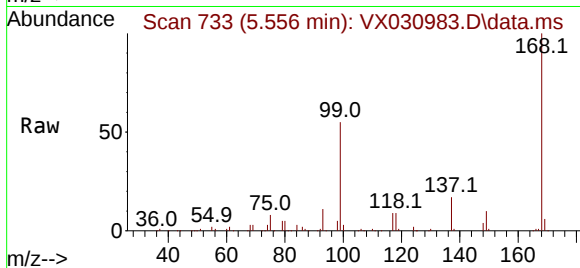




#36
1,1-Dichloropropene
Concen: 4.029 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

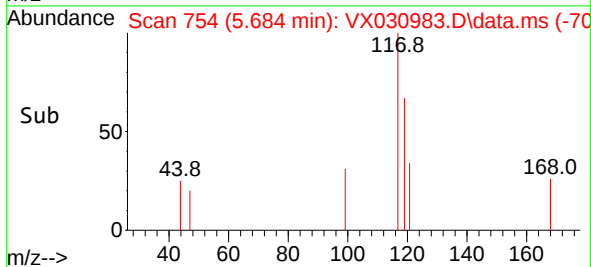
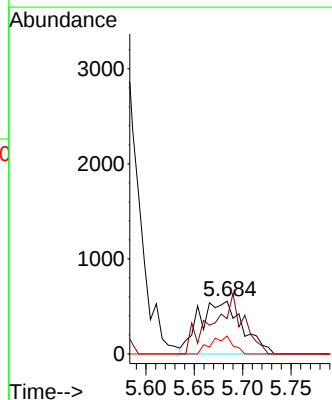
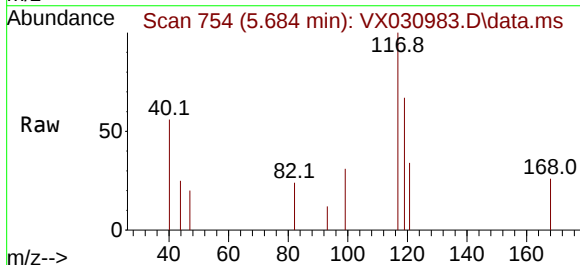
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

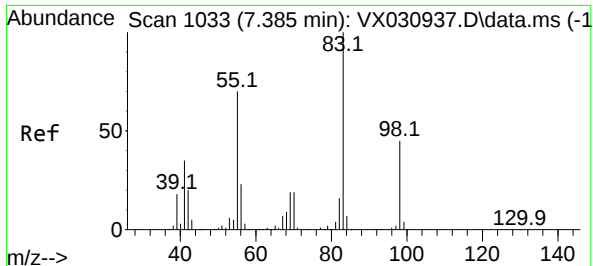
Tgt Ion: 75 Resp: 14973
Ion Ratio Lower Upper
75 100
110 11.8 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.490 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion: 117 Resp: 1735
Ion Ratio Lower Upper
117 100
119 66.9 74.1 111.1#
121 34.2 25.8 38.8





#39

Methylcyclohexane

Concen: 0.285 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX030983.D

Acq: 31 Aug 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20220816DL

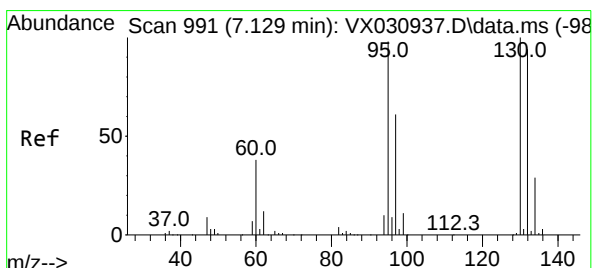
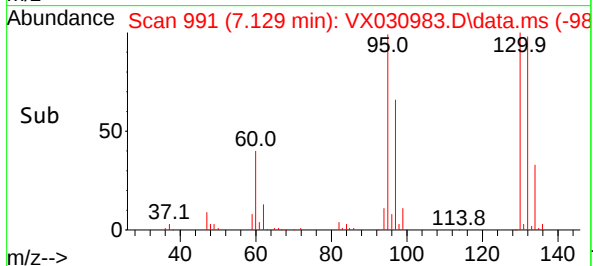
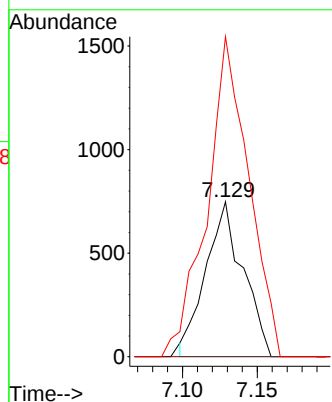
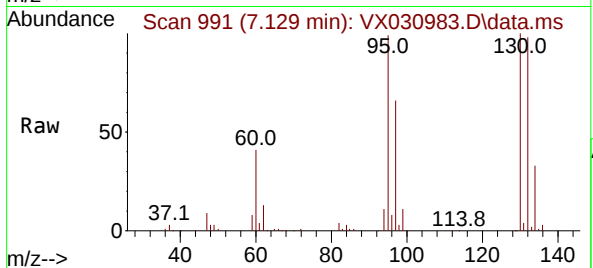
Tgt Ion: 83 Resp: 1295

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 206.6 36.5 54.7#



#44

Trichloroethene

Concen: 37.605 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030983.D

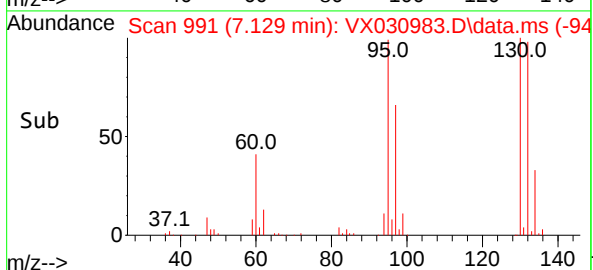
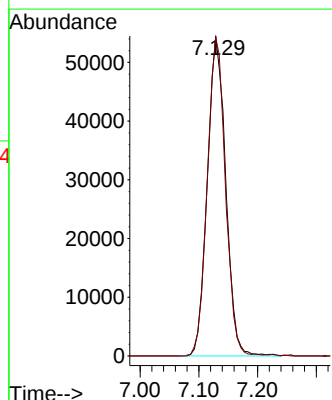
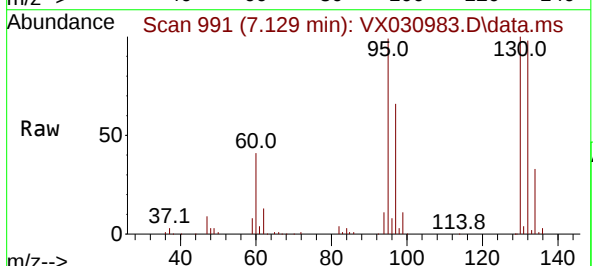
Acq: 31 Aug 2022 17:07

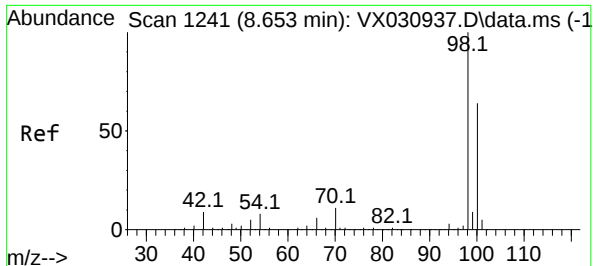
Tgt Ion:130 Resp: 118656

Ion Ratio Lower Upper

130 100

95 99.5 0.0 194.8

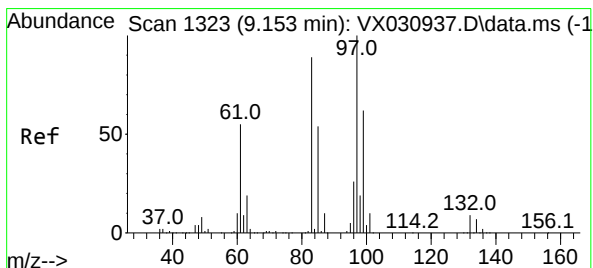
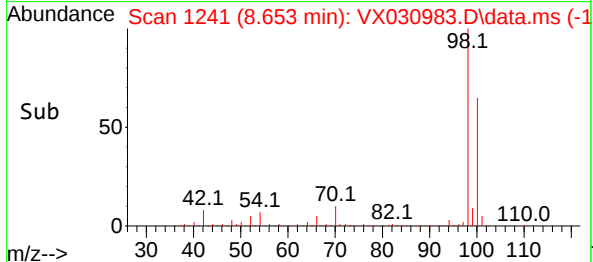
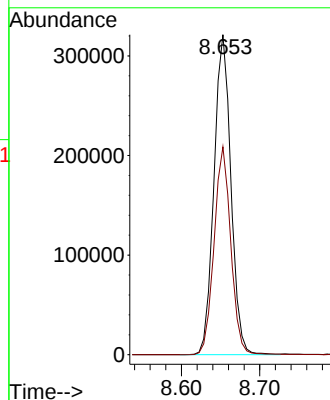
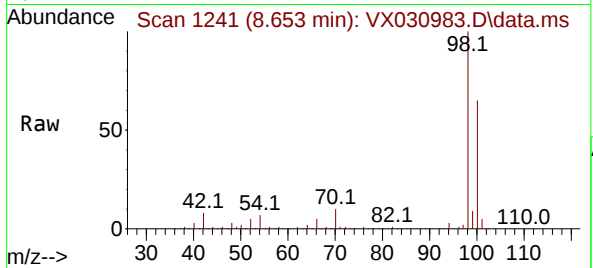




#50
Toluene-d8
Concen: 52.163 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

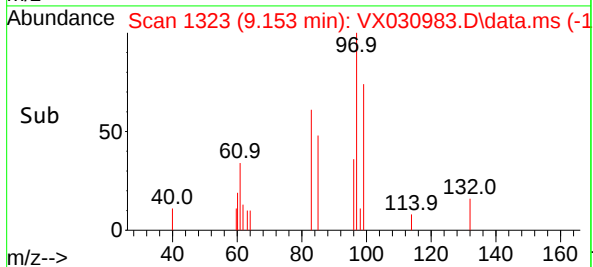
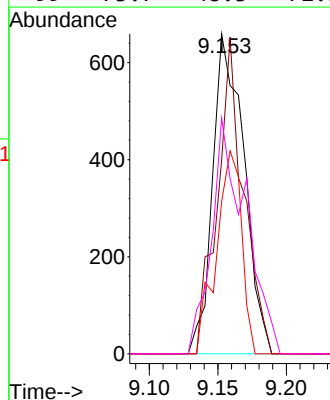
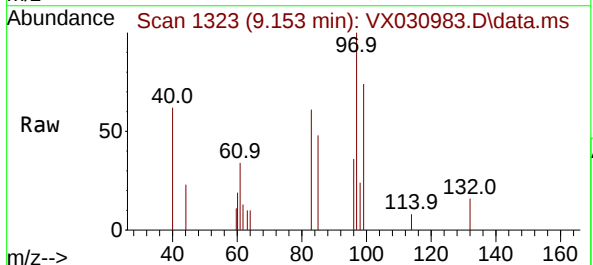
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

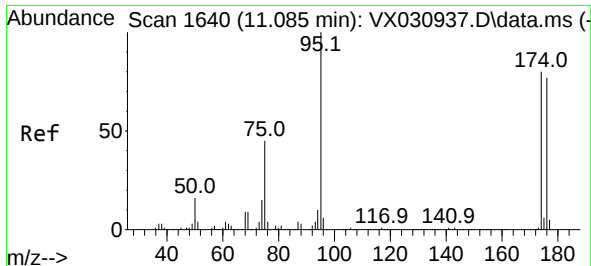
Tgt Ion: 98 Resp: 482994
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.368 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion: 97 Resp: 1046
Ion Ratio Lower Upper
97 100
83 60.5 68.9 103.3#
85 47.6 44.0 66.0
99 73.7 48.3 72.5#

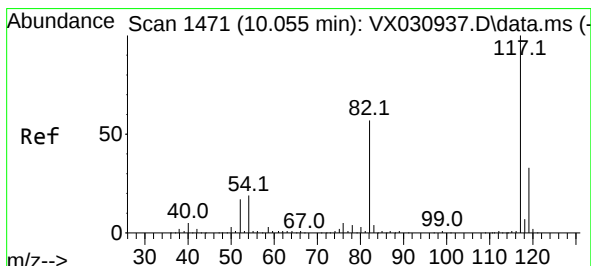
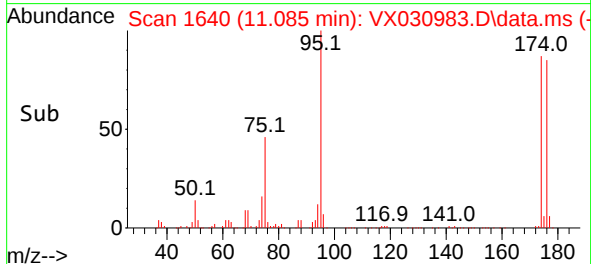
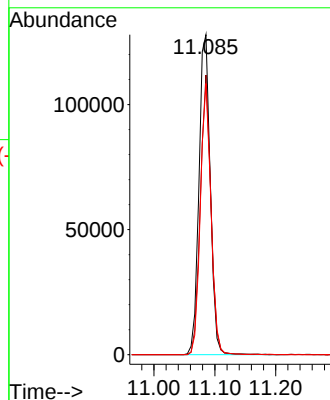
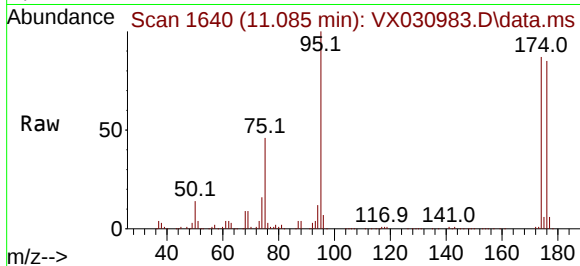




#62
4-Bromofluorobenzene
Concen: 49.888 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

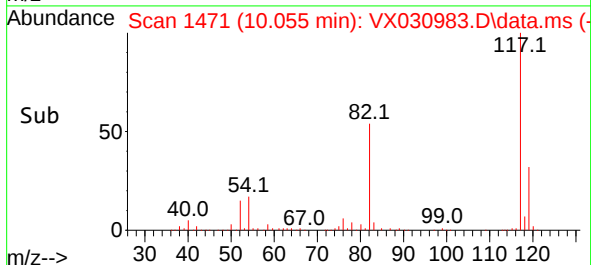
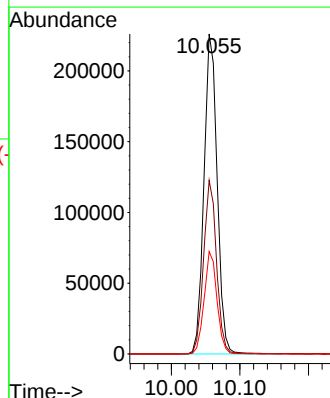
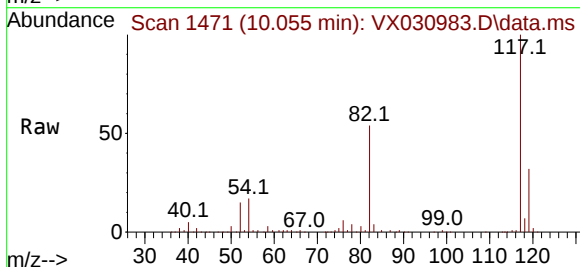
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

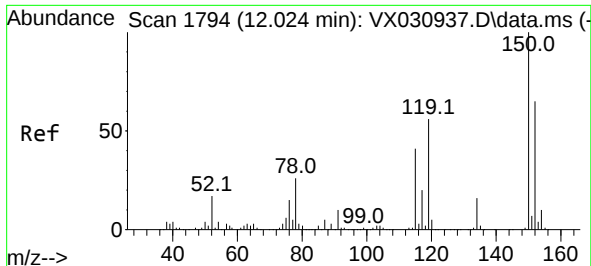
Tgt Ion: 95 Resp: 164495
Ion Ratio Lower Upper
95 100
174 82.3 0.0 149.0
176 79.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion: 117 Resp: 303713
Ion Ratio Lower Upper
117 100
82 54.3 42.7 64.1
119 32.0 25.4 38.2

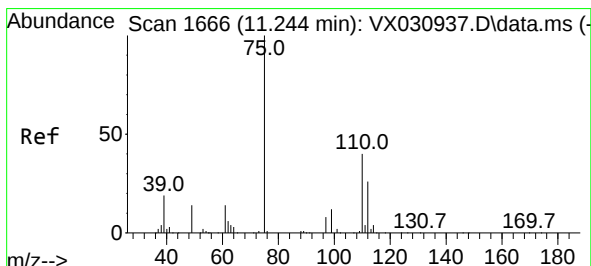
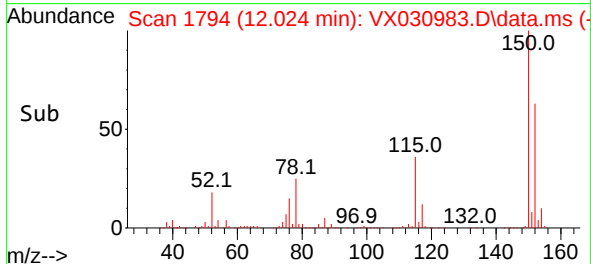
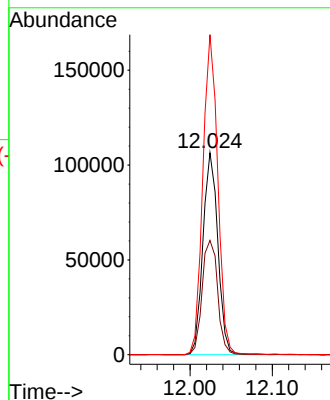
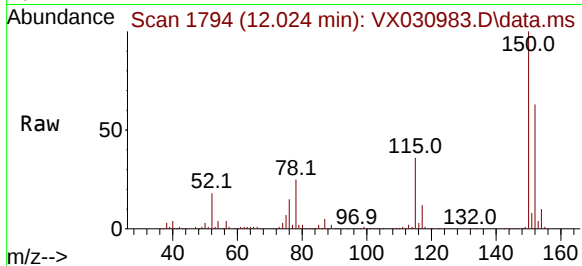




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

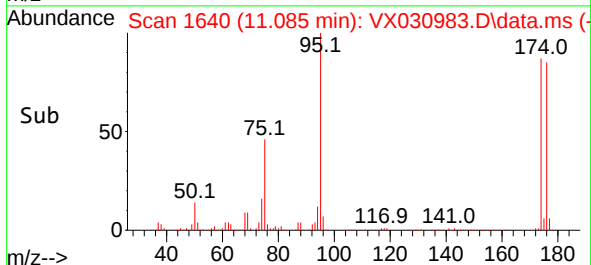
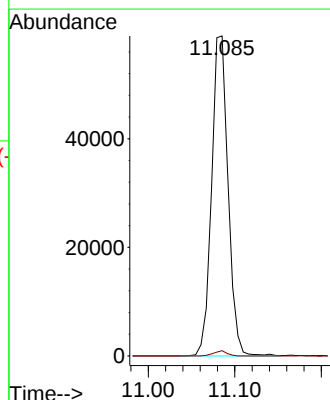
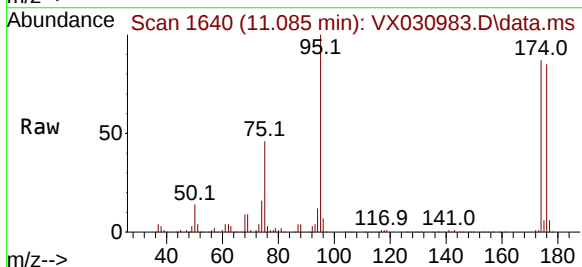
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

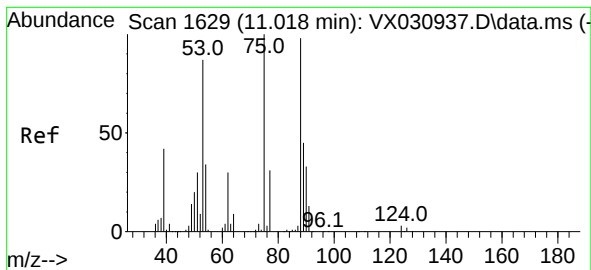
Tgt Ion:152 Resp: 134211
Ion Ratio Lower Upper
152 100
115 59.1 40.5 121.5
150 158.5 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 23.558 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030983.D
Acq: 31 Aug 2022 17:07

Tgt Ion: 75 Resp: 77839
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.042 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030983.D
 Acq: 31 Aug 2022 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220816DL

Tgt Ion: 75 Resp: 77839
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.2 111.4#
 89 0.1 34.8 52.2#

