

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027571.D
 Acq On : 19 Mar 2022 19:30
 Operator : JC/MD
 Sample : N2000-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP06-20220316

Quant Time: Mar 21 01:26:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

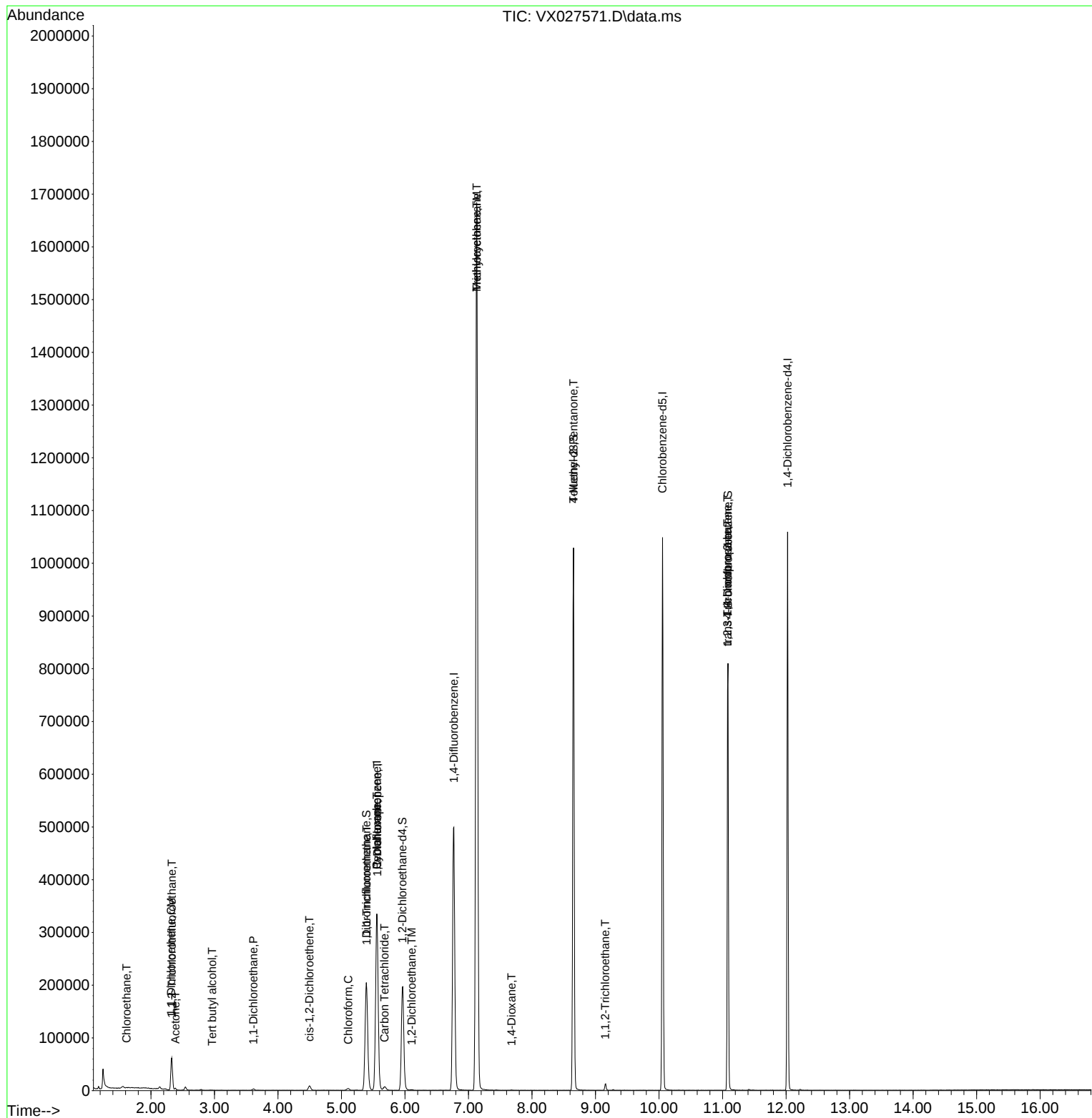
Internal Standards						
1) Pentafluorobenzene	5.556	168	329078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	546158	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	491478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	220424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	195039	48.111	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.220%
35) Dibromofluoromethane	5.391	113	181111	51.542	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.080%
50) Toluene-d8	8.653	98	633492	47.642	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.280%
62) 4-Bromofluorobenzene	11.085	95	221671	45.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.720%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	458	Below Cal	#	76
6) Chloroethane	1.618	64	538	0.271	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	15534	4.878	ug/l	94
11) Tert butyl alcohol	2.965	59	316	0.409	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	9989	3.269	ug/l	86
16) Acetone	2.386	43	3558	2.153	ug/l	93
24) 1,1-Dichloroethane	3.611	63	2991	0.527	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	5539	1.465	ug/l	87
30) Chloroform	5.105	83	4259	0.680	ug/l	94
31) Cyclohexane	5.556	56	5520	1.097	ug/l #	1
32) 1,1,1-Trichloroethane	5.397	97	1393	0.244	ug/l #	47
36) 1,1-Dichloropropene	5.562	75	23177	4.827	ug/l #	50
38) Carbon Tetrachloride	5.678	117	6090	1.109	ug/l	88
39) Methylcyclohexane	7.129	83	6886	1.140	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	1127	0.218	ug/l #	73
44) Trichloroethene	7.129	130	680992	162.837	ug/l	99
49) 1,4-Dioxane	7.677	88	466	4.761	ug/l	91
51) 4-Methyl-2-Pentanone	8.653	43	2309	0.470	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	3474	0.924	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	107328	23.279	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	107328	70.699	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

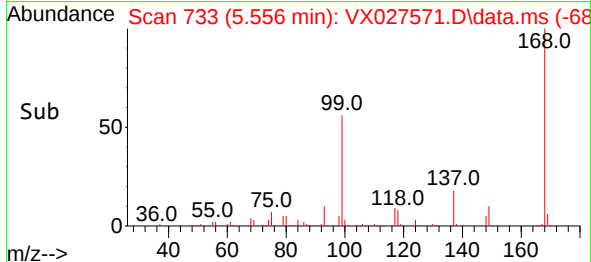
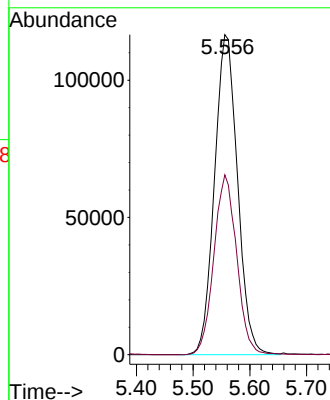
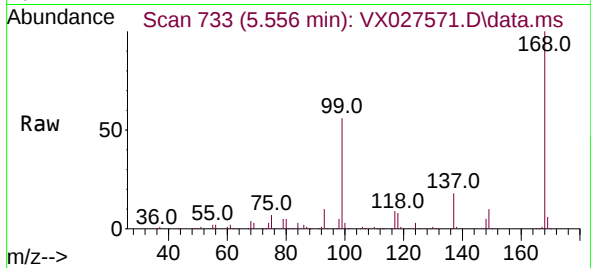




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

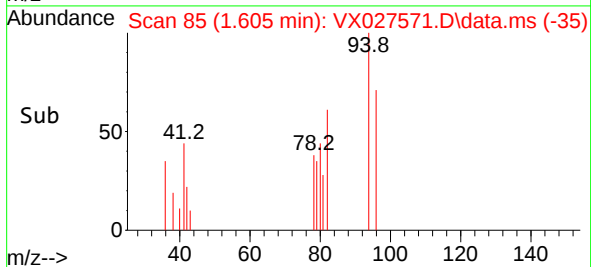
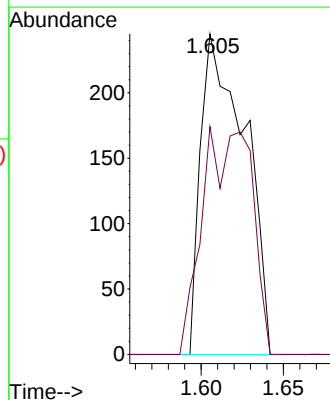
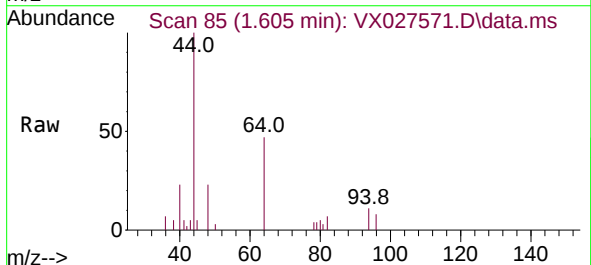
Instrument :
MSVOA_X
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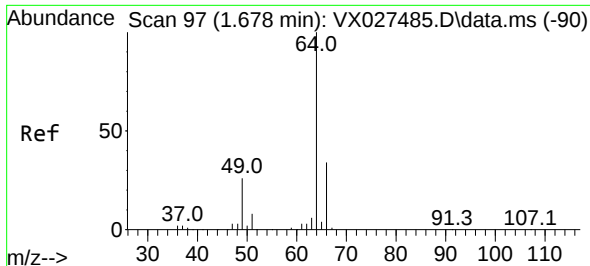
Tgt Ion:168 Resp: 329078
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 71.0 75.3 112.9#

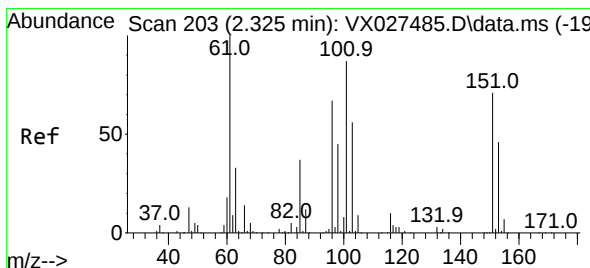
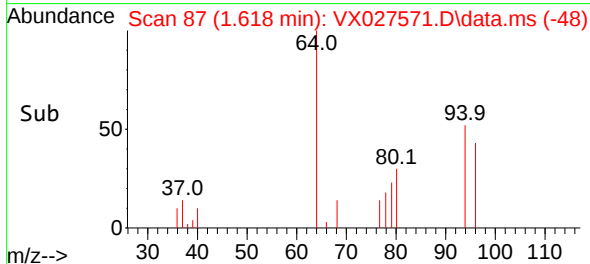
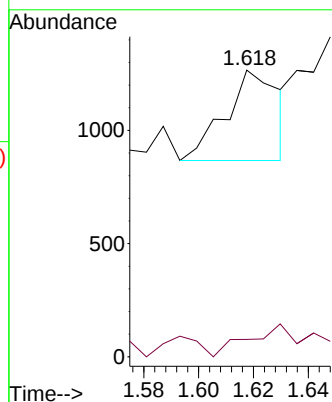
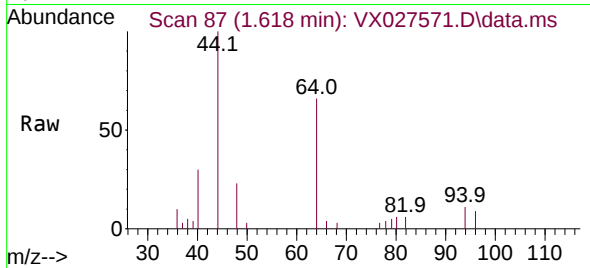




#6
Chloroethane
Concen: 0.271 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.061 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

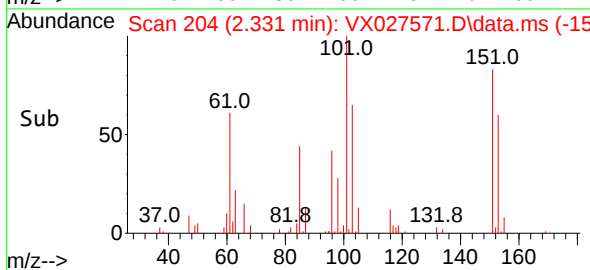
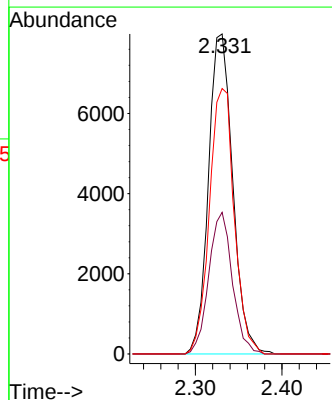
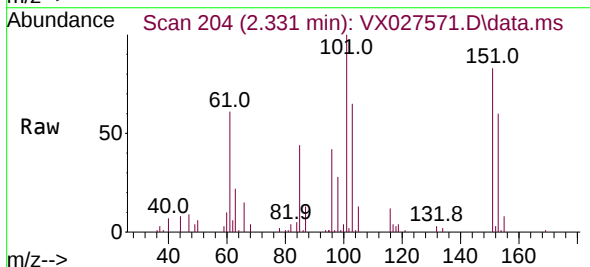
Instrument :
MSVOA_X
ClientSampleId :
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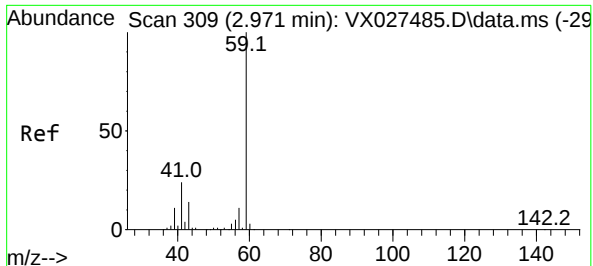
Tgt Ion: 64 Resp: 538
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.878 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 101 Resp: 15534
Ion Ratio Lower Upper
101 100
85 43.0 33.5 50.3
151 84.9 61.8 92.6

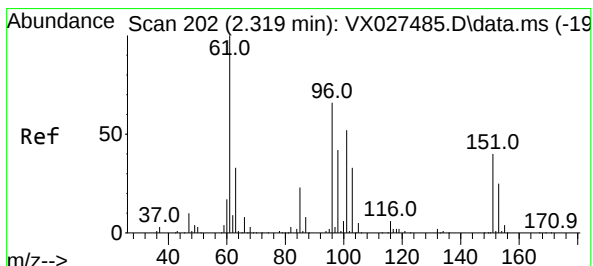
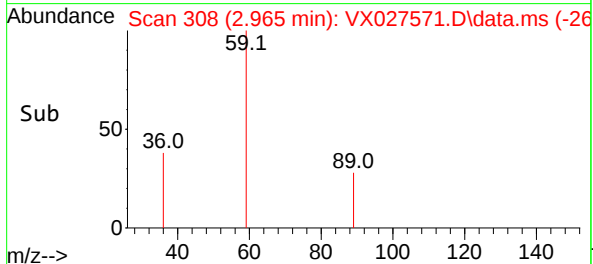
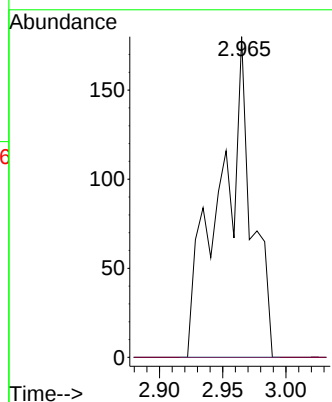
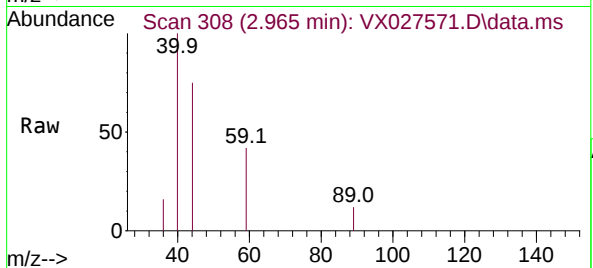




#11
Tert butyl alcohol
Concen: 0.409 ug/l
RT: 2.965 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

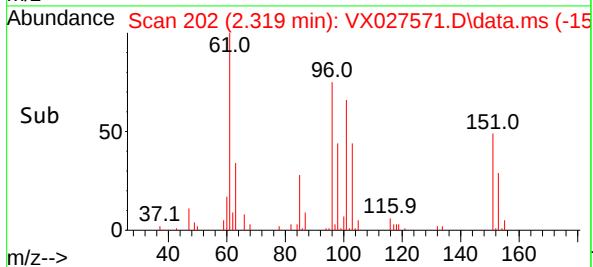
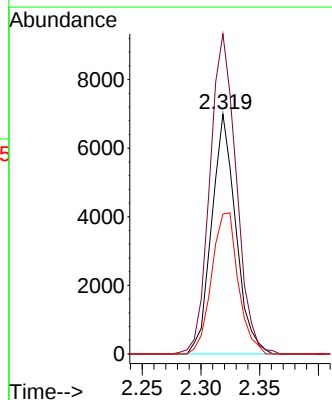
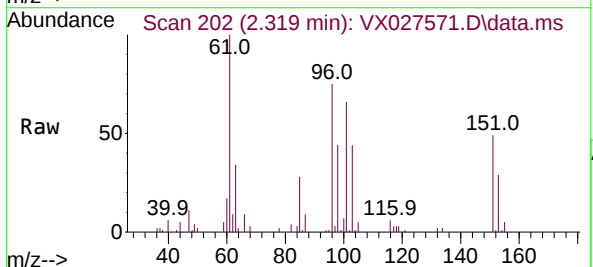
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20220316

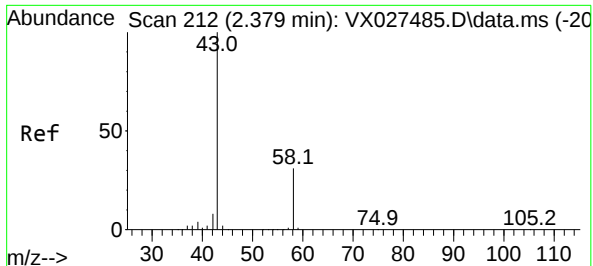
Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 3.269 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 96 Resp: 9989
Ion Ratio Lower Upper
96 100
61 133.5 124.6 187.0
98 58.3 51.0 76.4

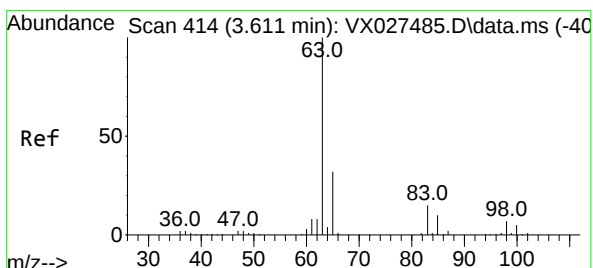
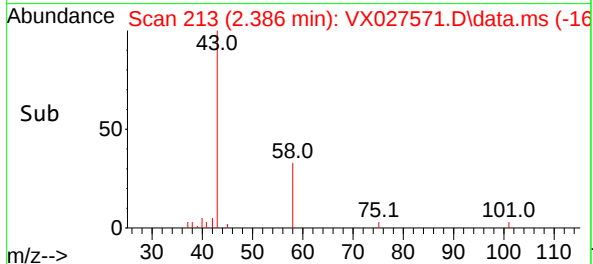
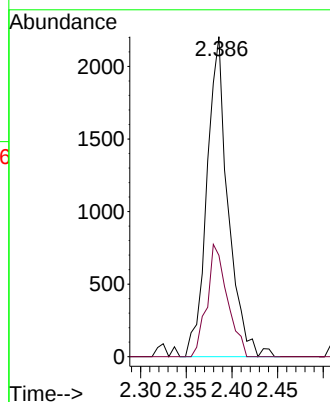
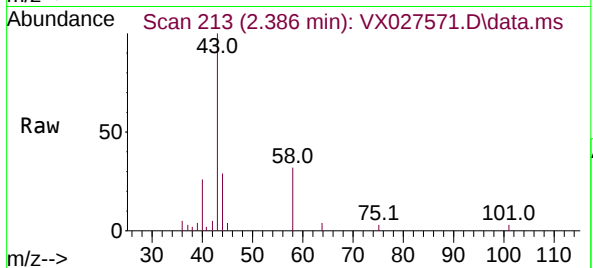




#16
Acetone
Concen: 2.153 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

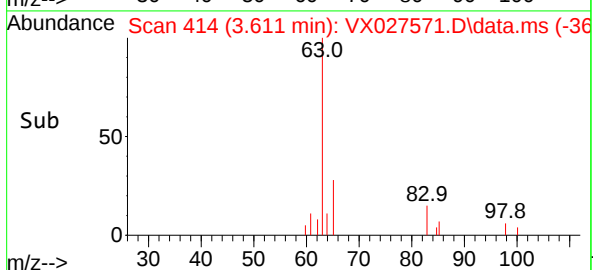
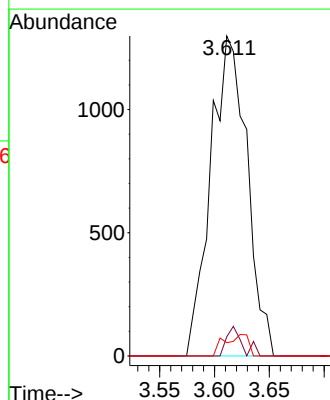
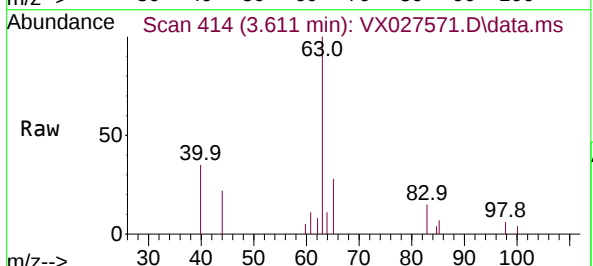
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20220316

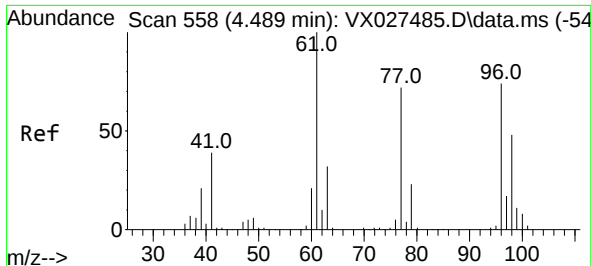
Tgt Ion: 43 Resp: 3558
Ion Ratio Lower Upper
43 100
58 31.7 28.8 43.2



#24
1,1-Dichloroethane
Concen: 0.527 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 63 Resp: 2991
Ion Ratio Lower Upper
63 100
98 6.0 3.9 11.7
100 4.2 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 1.465 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX027571.D

Acq: 19 Mar 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20220316

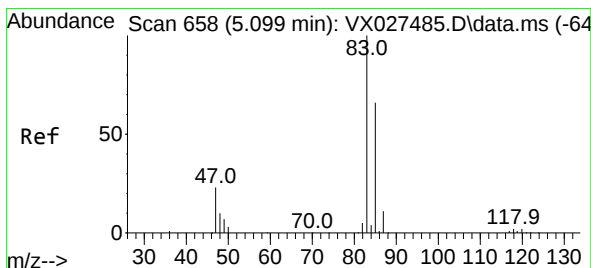
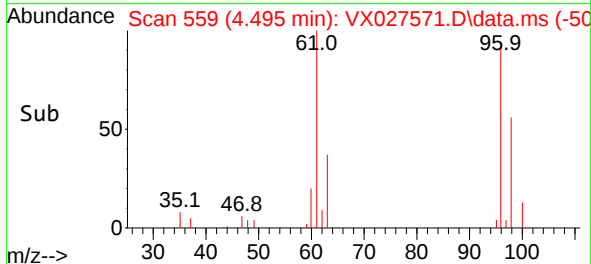
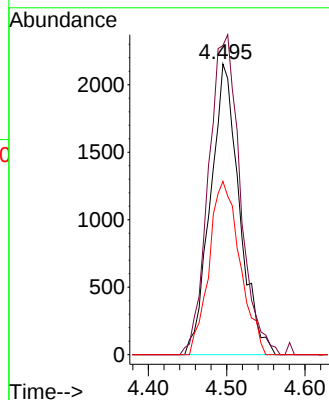
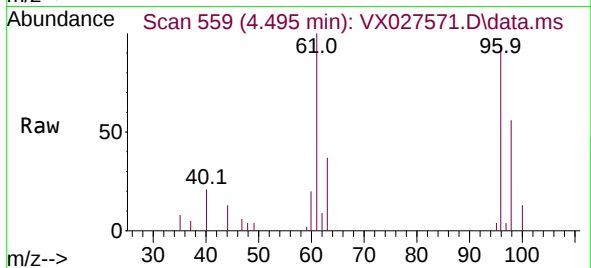
Tgt Ion: 96 Resp: 5539

Ion Ratio Lower Upper

96 100

61 119.9 0.0 283.8

98 63.3 0.0 129.8



#30

Chloroform

Concen: 0.680 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX027571.D

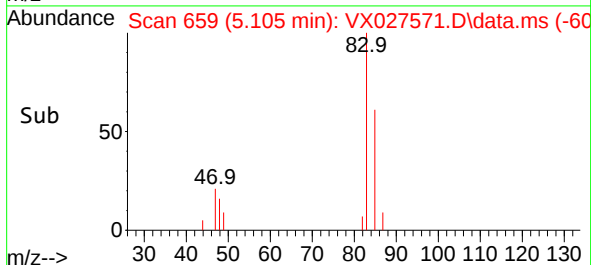
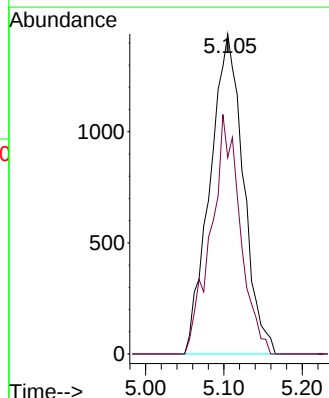
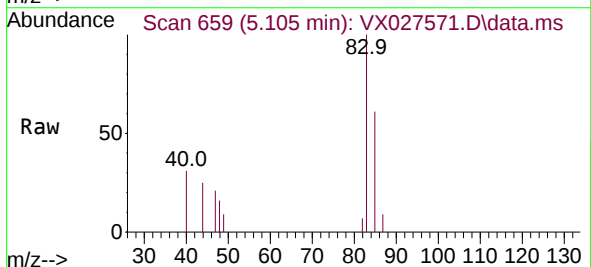
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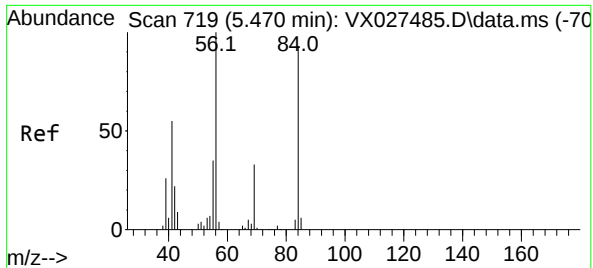
Tgt Ion: 83 Resp: 4259

Ion Ratio Lower Upper

83 100

85 61.4 52.7 79.1

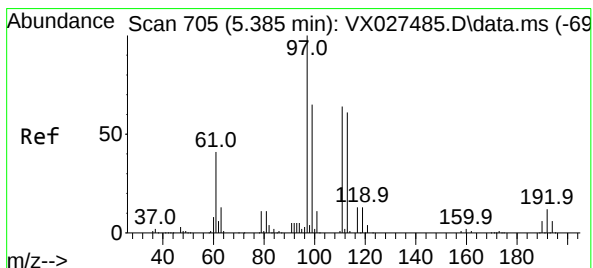
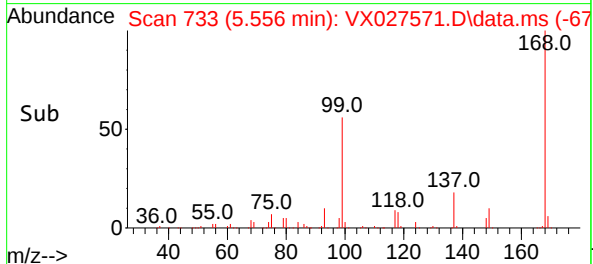
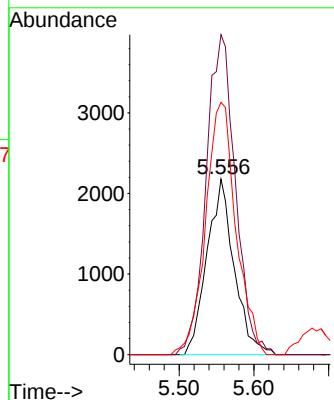
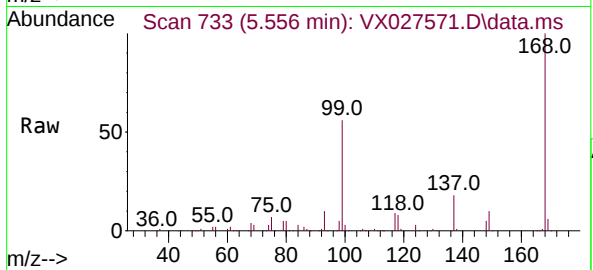




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

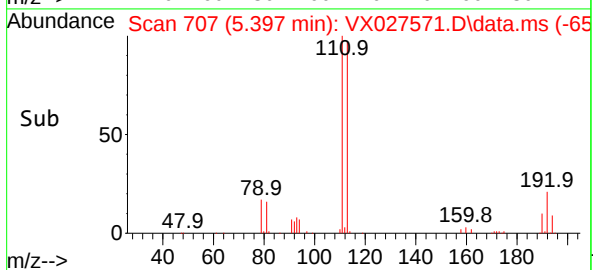
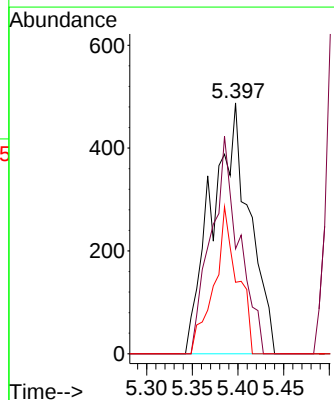
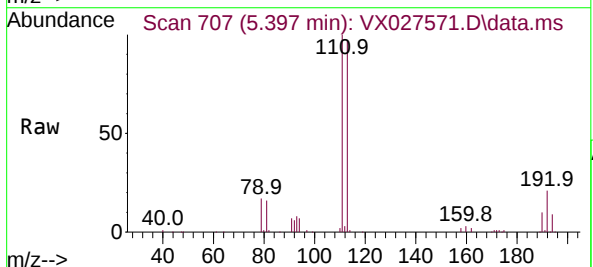
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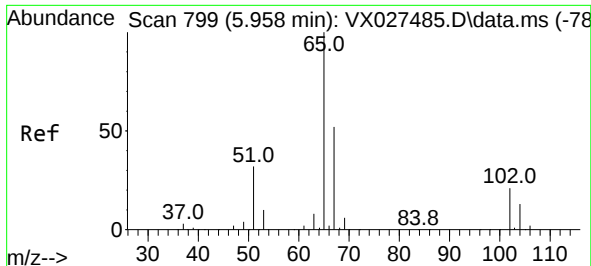
Tgt Ion: 56 Resp: 5520
Ion Ratio Lower Upper
56 100
69 182.3 26.7 40.1#
84 143.7 77.2 115.8#



#32
1,1,1-Trichloroethane
Concen: 0.244 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 97 Resp: 1393
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 36.5 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 48.111 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027571.D

Acq: 19 Mar 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

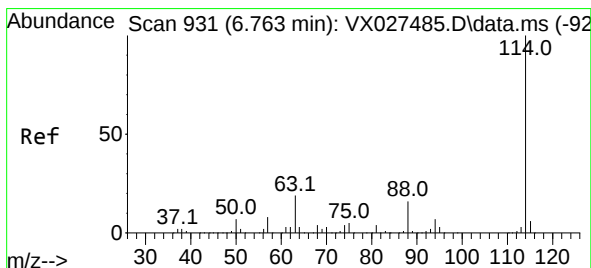
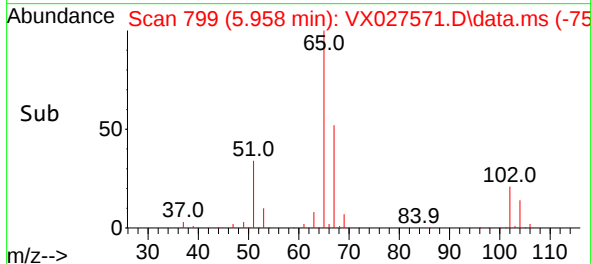
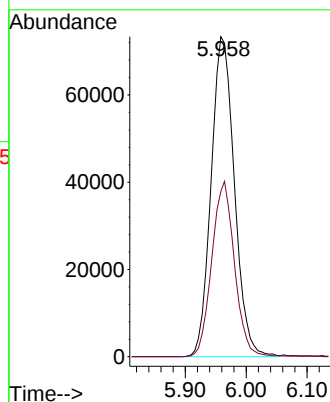
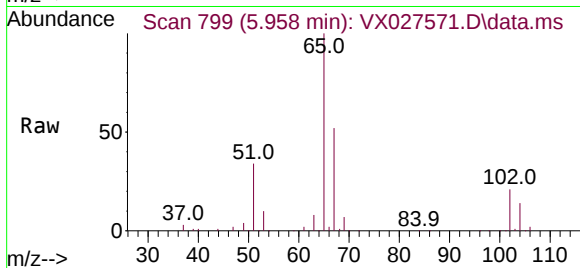
DUP06-20220316

Tgt Ion: 65 Resp: 195039

Ion Ratio Lower Upper

65 100

67 53.4 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: VX027571.D

Acq: 19 Mar 2022 19:30

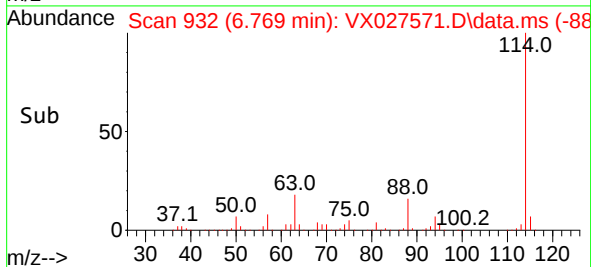
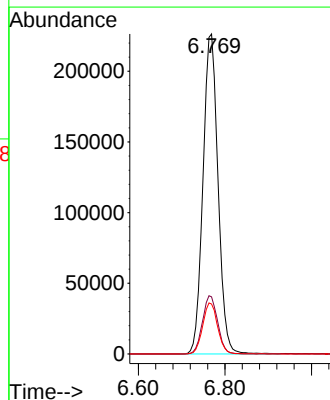
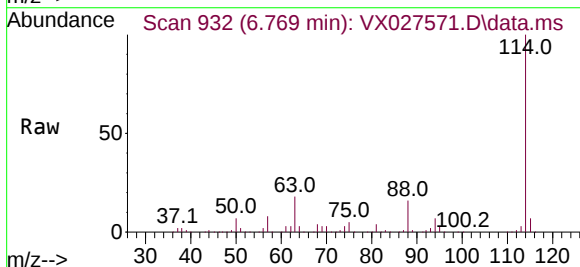
Tgt Ion: 114 Resp: 546158

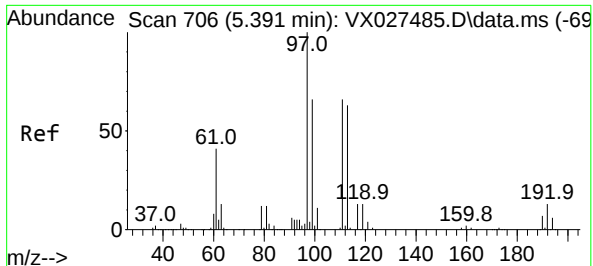
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.542 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027571.D

Acq: 19 Mar 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20220316

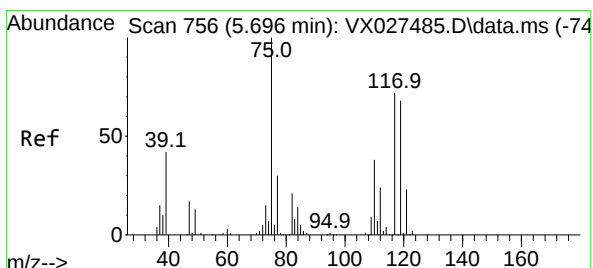
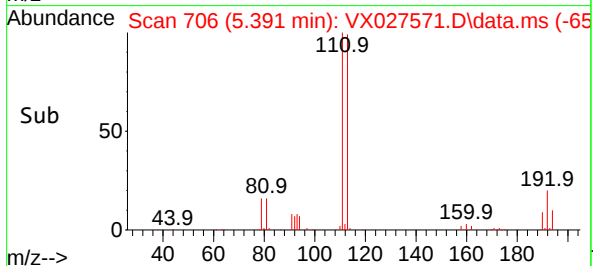
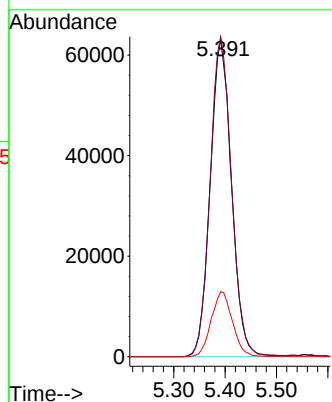
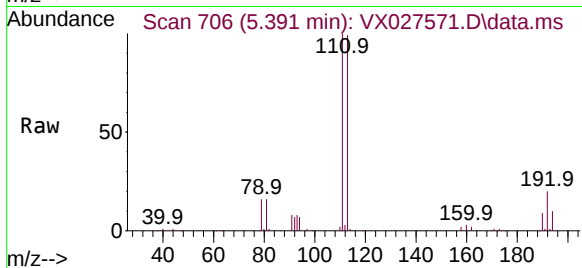
Tgt Ion:113 Resp: 181111

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 20.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.827 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX027571.D

Acq: 19 Mar 2022 19:30

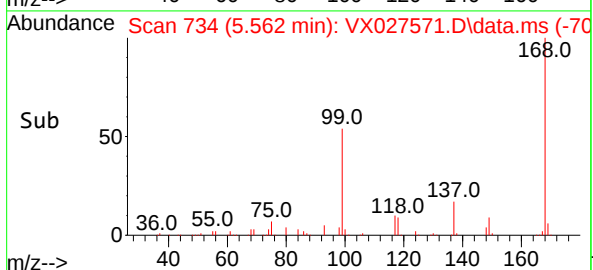
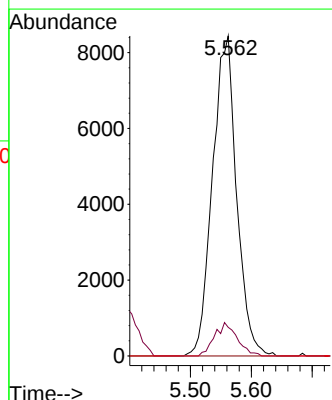
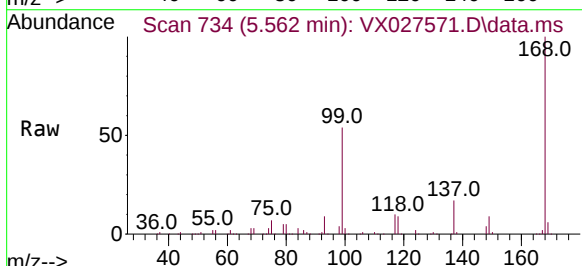
Tgt Ion: 75 Resp: 23177

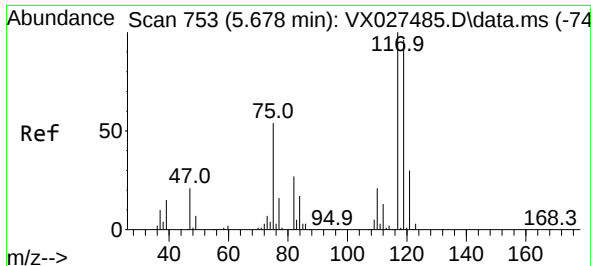
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#

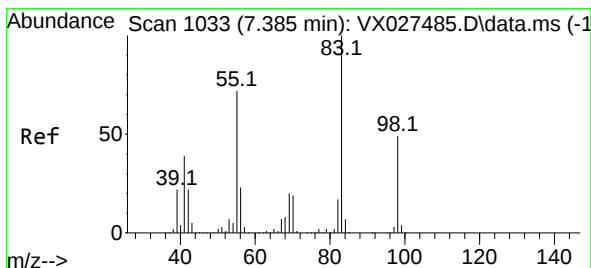
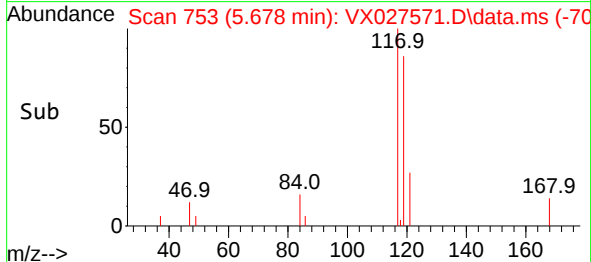
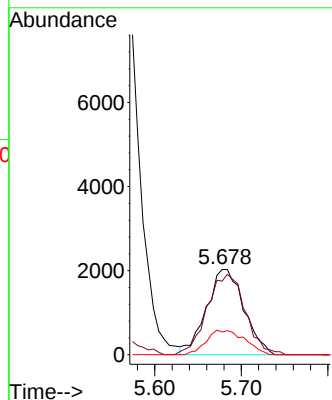
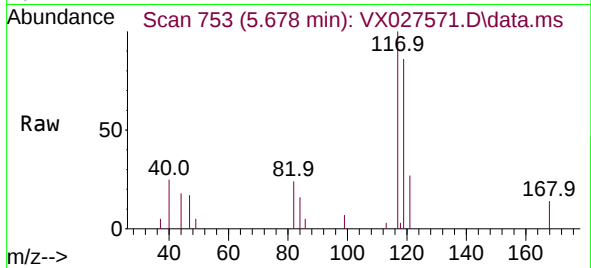




#38
Carbon Tetrachloride
Concen: 1.109 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

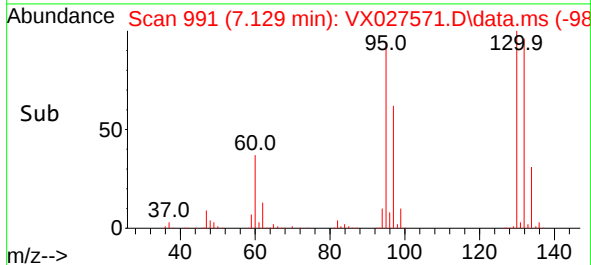
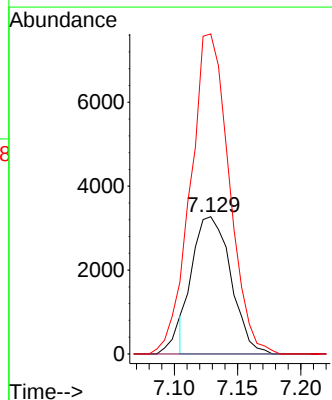
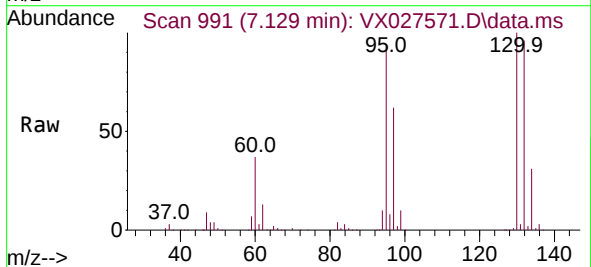
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20220316

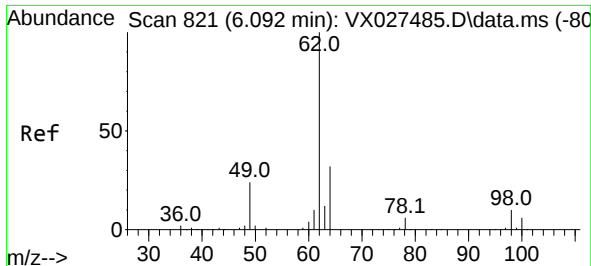
Tgt Ion:117 Resp: 6090
Ion Ratio Lower Upper
117 100
119 82.8 77.3 115.9
121 26.6 24.2 36.2



#39
Methylcyclohexane
Concen: 1.140 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 83 Resp: 6886
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 233.1 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 6.105 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX027571.D

Acq: 19 Mar 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

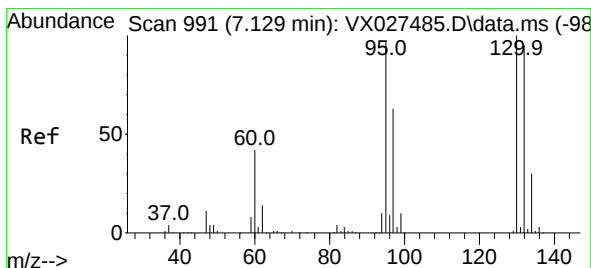
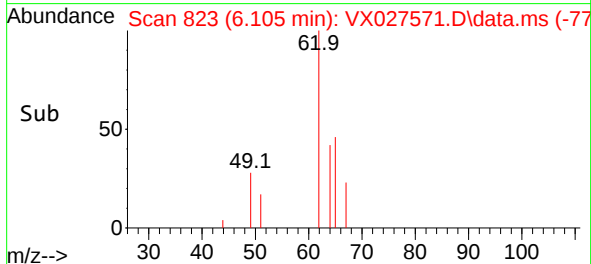
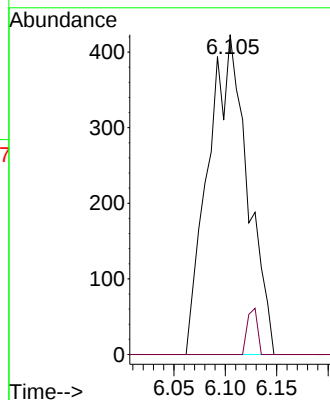
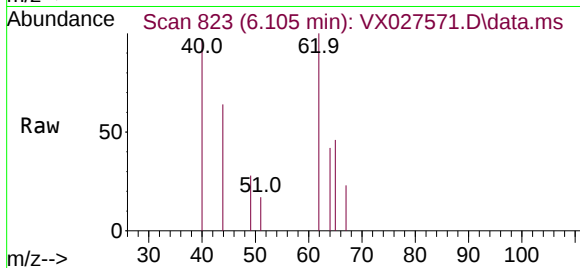
DUP06-20220316

Tgt Ion: 62 Resp: 1127

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#44

Trichloroethene

Concen: 162.837 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX027571.D

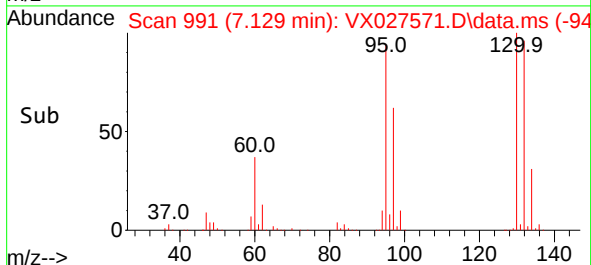
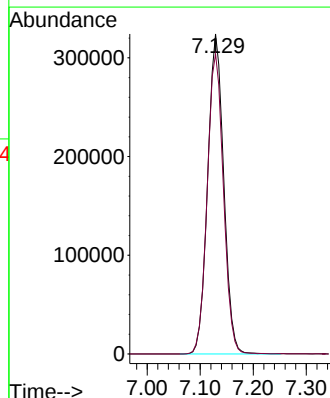
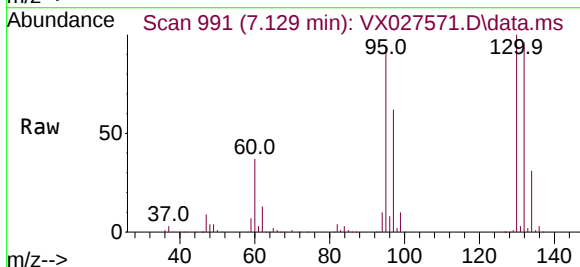
Acq: 19 Mar 2022 19:30

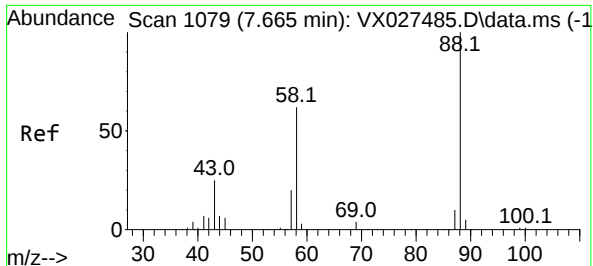
Tgt Ion:130 Resp: 680992

Ion Ratio Lower Upper

130 100

95 93.7 0.0 188.8





#49

1,4-Dioxane

Concen: 4.761 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.012 min

Lab File: VX027571.D

Acq: 19 Mar 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20220316

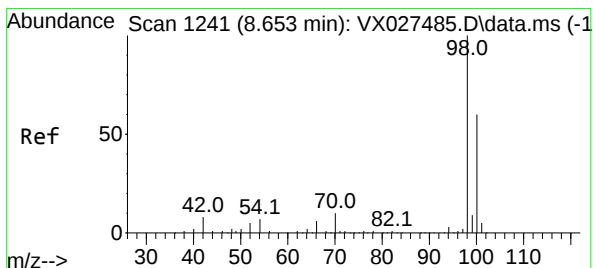
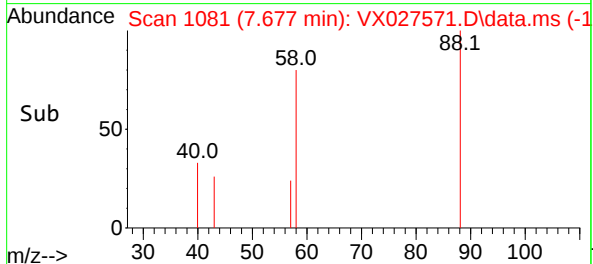
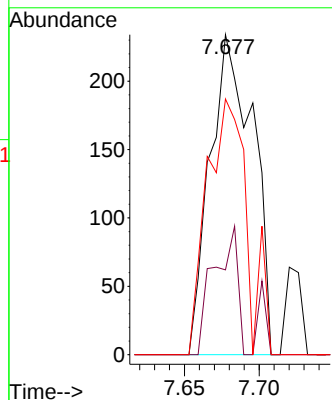
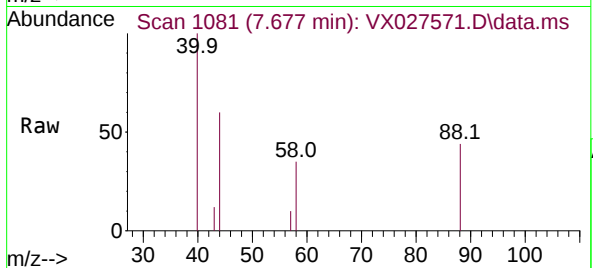
Tgt Ion: 88 Resp: 466

Ion Ratio Lower Upper

88 100

43 22.1 21.9 32.9

58 74.5 53.7 80.5



#50

Toluene-d8

Concen: 47.642 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027571.D

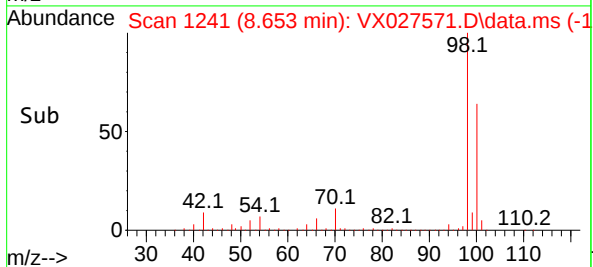
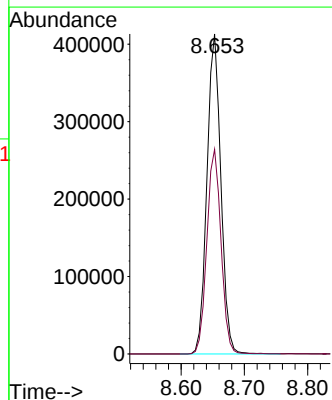
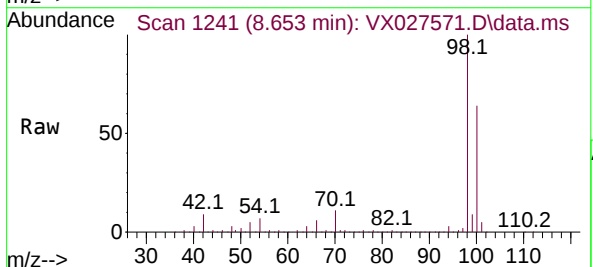
Acq: 19 Mar 2022 19:30

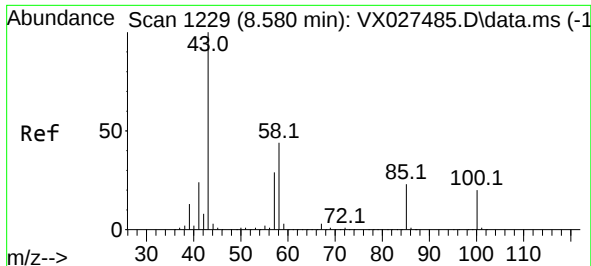
Tgt Ion: 98 Resp: 633492

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8

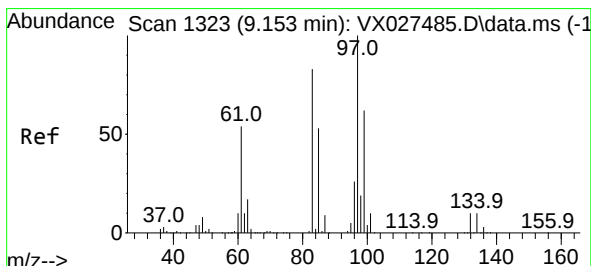
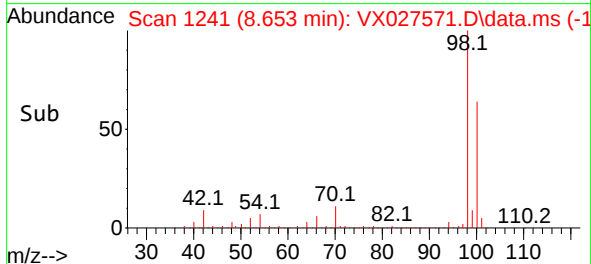
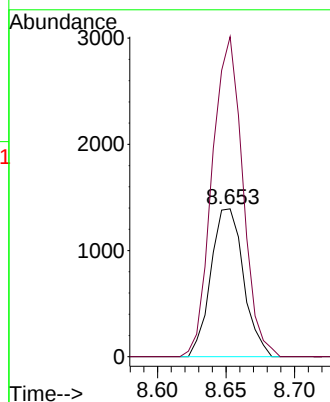
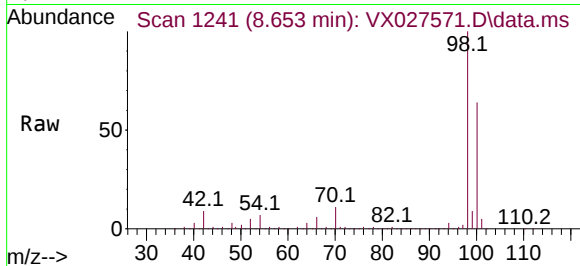




#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

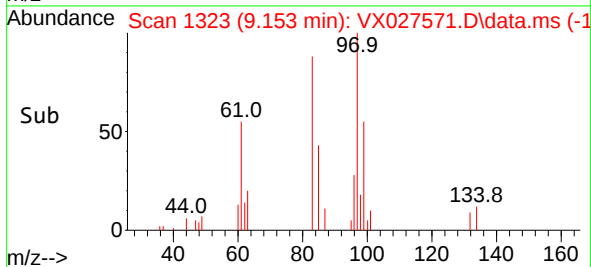
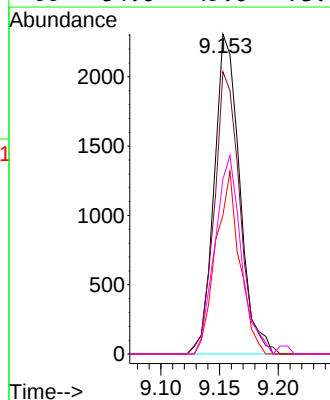
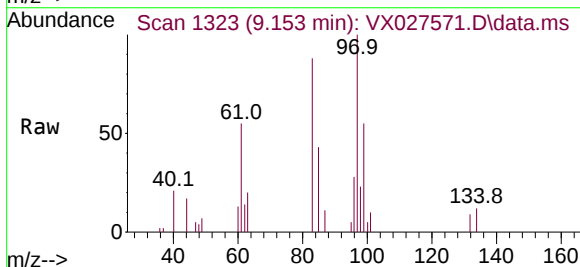
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20220316

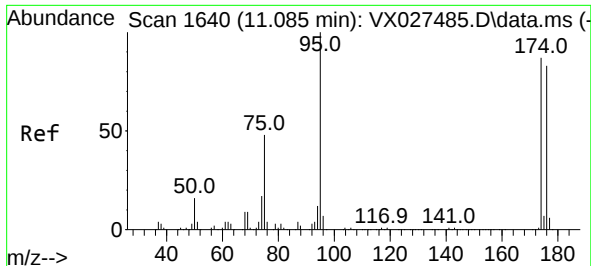
Tgt Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
58 202.7 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.924 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 97 Resp: 3474
Ion Ratio Lower Upper
97 100
83 88.2 66.2 99.4
85 43.4 42.9 64.3
99 54.6 49.0 73.6

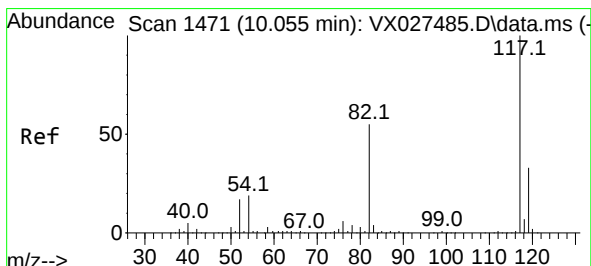
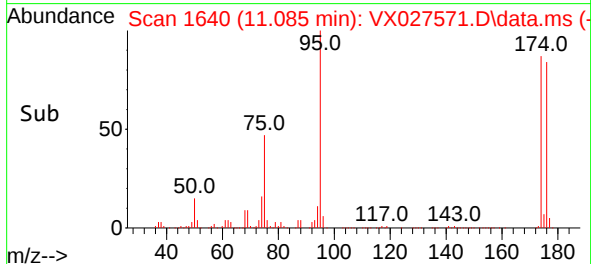
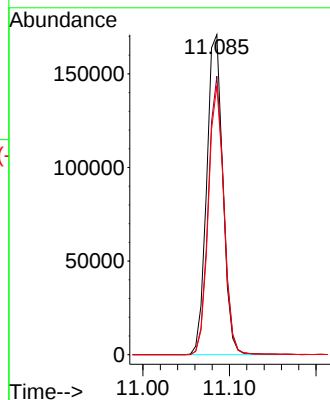
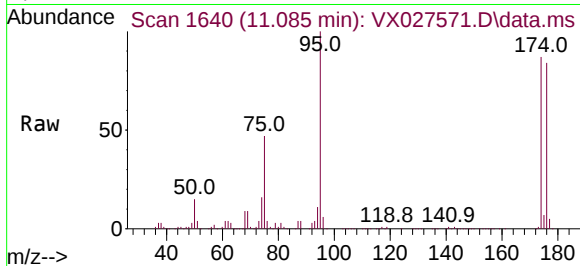




#62
4-Bromofluorobenzene
Concen: 45.356 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

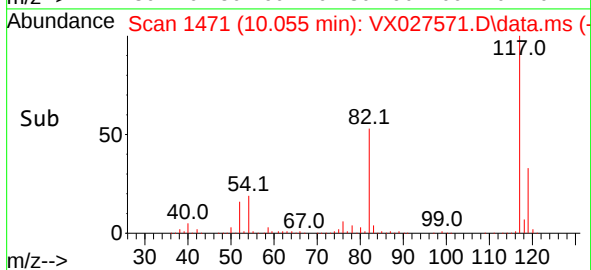
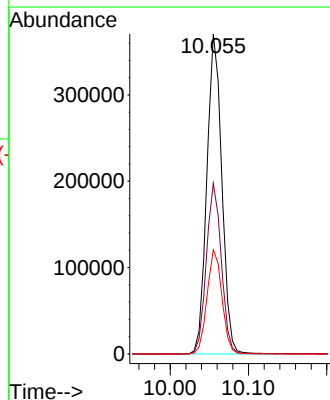
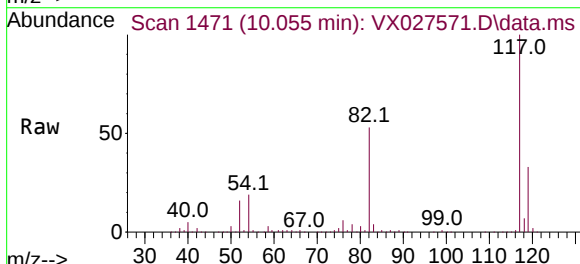
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20220316

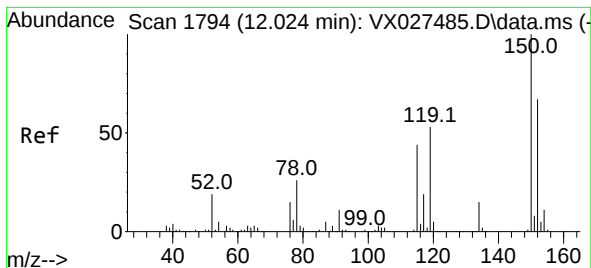
Tgt Ion: 95 Resp: 221671
Ion Ratio Lower Upper
95 100
174 84.1 0.0 163.0
176 80.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027571.D
Acq: 19 Mar 2022 19:30

Tgt Ion: 117 Resp: 491478
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 32.5 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027571.D

Acq: 19 Mar 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20220316

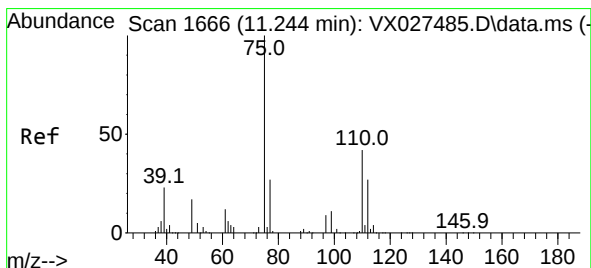
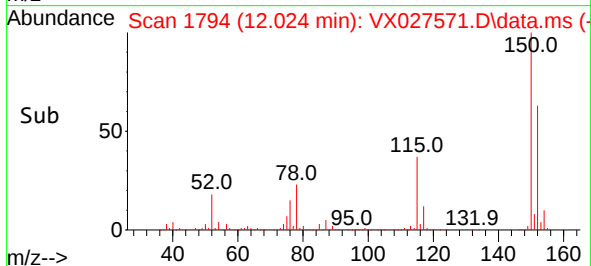
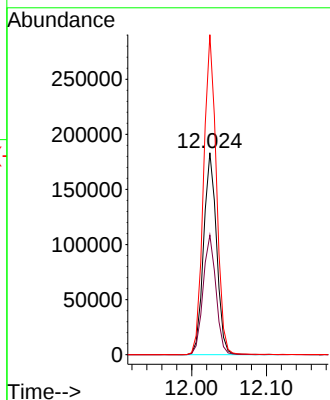
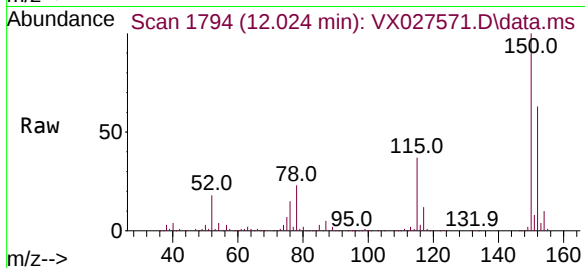
Tgt Ion:152 Resp: 220424

Ion Ratio Lower Upper

152 100

115 58.8 37.5 112.7

150 157.0 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 23.279 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX027571.D

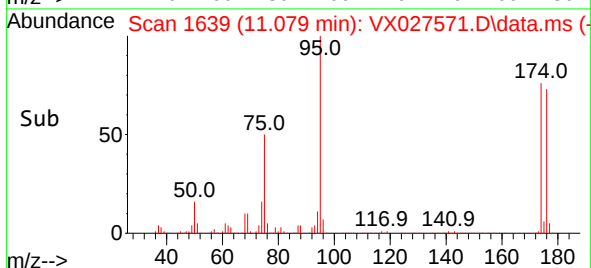
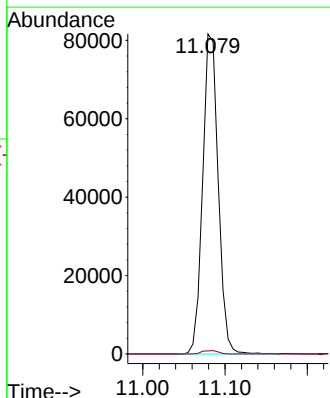
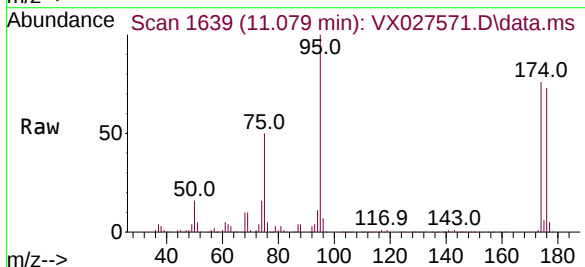
Acq: 19 Mar 2022 19:30

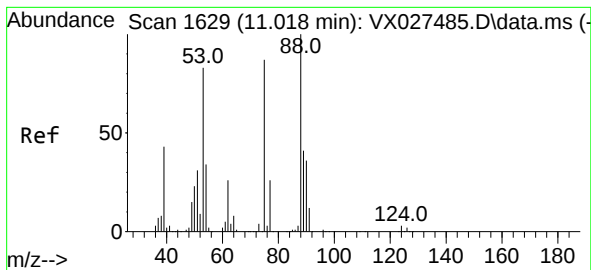
Tgt Ion: 75 Resp: 107328

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.699 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027571.D
 Acq: 19 Mar 2022 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP06-20220316

Tgt Ion: 75 Resp: 107328
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

