

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027558.D
 Acq On : 19 Mar 2022 14:23
 Operator : JC/MD
 Sample : N2000-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D6-20220315

Quant Time: Mar 21 01:21:54 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)

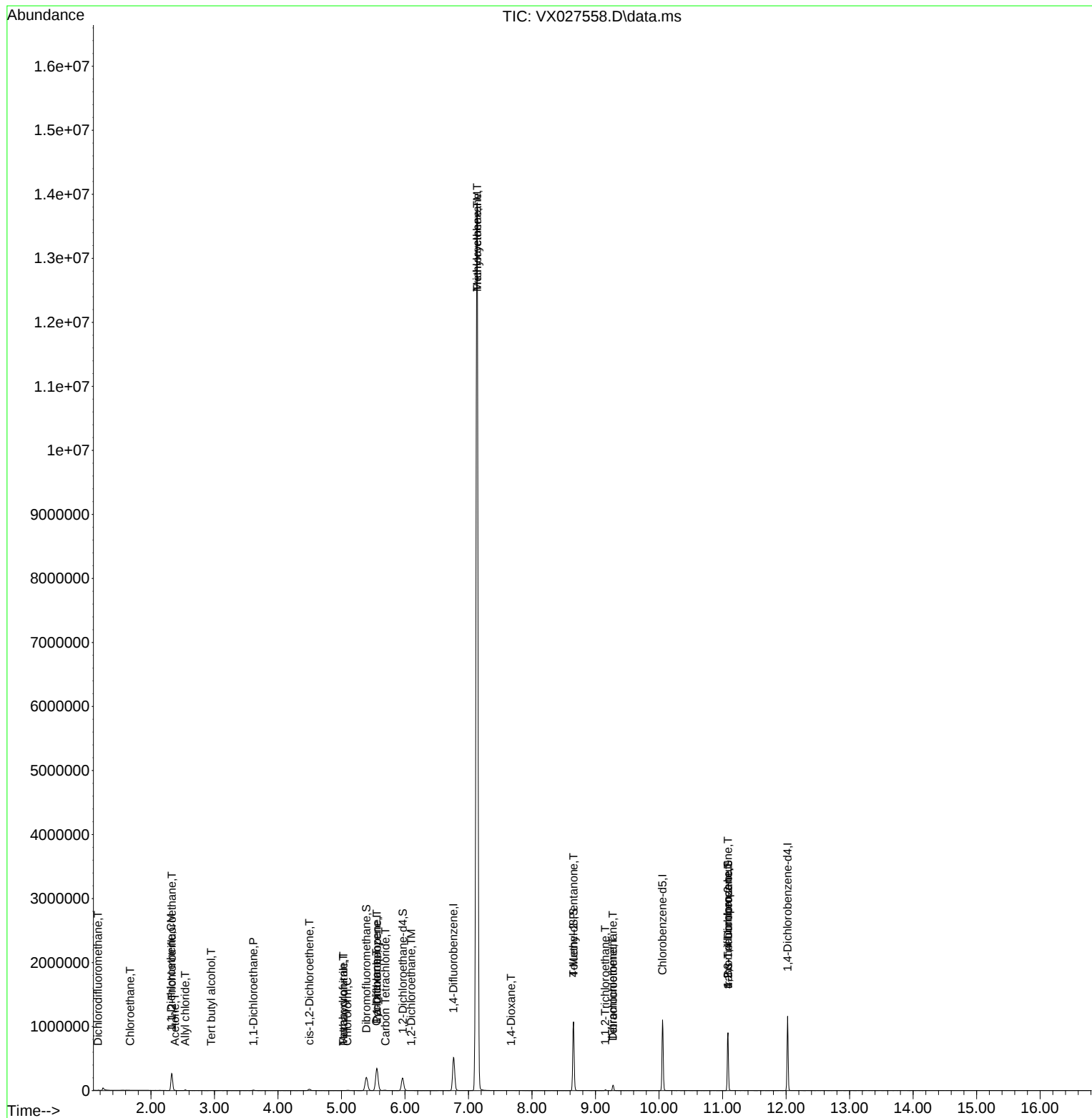
Internal Standards						
1) Pentafluorobenzene	5.556	168	351550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	579665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	536761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	252926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	190225	43.924	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.840%
35) Dibromofluoromethane	5.391	113	185061	49.621	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.240%
50) Toluene-d8	8.653	98	675167	47.841	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.680%
62) 4-Bromofluorobenzene	11.085	95	245915	47.408	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.820%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1103	0.327	ug/l	98
5) Bromomethane	1.617	94	817	Below Cal		83
6) Chloroethane	1.672	64	3017	1.421	ug/l #	69
9) 1,1,2-Trichlorotrifluo...	2.331	101	86690	25.480	ug/l	92
11) Tert butyl alcohol	2.946	59	247	0.299	ug/l #	72
12) 1,1-Dichloroethene	2.318	96	27179	8.326	ug/l	94
14) Allyl chloride	2.538	41	1314	0.257	ug/l #	63
16) Acetone	2.379	43	3133	1.775	ug/l	94
24) 1,1-Dichloroethane	3.611	63	9189	1.515	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	15099	3.739	ug/l	85
29) Tetrahydrofuran	5.025	42	747	0.438	ug/l #	53
30) Chloroform	5.092	83	6460	0.965	ug/l	97
31) Cyclohexane	5.549	56	5204	0.968	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	22448	4.405	ug/l #	49
38) Carbon Tetrachloride	5.690	117	6001	1.029	ug/l	97
39) Methylcyclohexane	7.135	83	63896	9.970	ug/l #	1
41) Methacrylonitrile	5.031	41	643	0.232	ug/l #	33
42) 1,2-Dichloroethane	6.098	62	1495	0.273	ug/l	100
44) Trichloroethene	7.135	130	5968084	1344.583	ug/l	100
49) 1,4-Dioxane	7.671	88	1734	16.691	ug/l	92
51) 4-Methyl-2-Pentanone	8.653	43	2087	0.400	ug/l #	1
55) 1,1,2-Trichloroethane	9.152	97	3860	0.968	ug/l	91
60) Dibromochloromethane	9.274	129	17284	3.936	ug/l #	9
64) Tetrachloroethene	9.274	164	17982	4.309	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	110856	20.954	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	110856	63.639	ug/l #	15

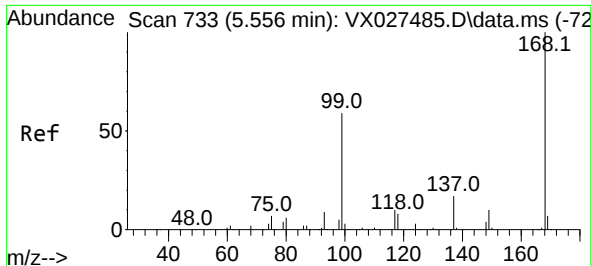
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
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Response via : Initial Calibration

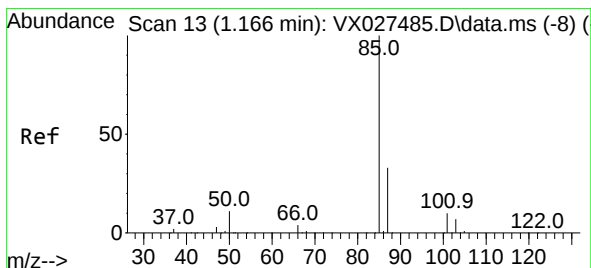
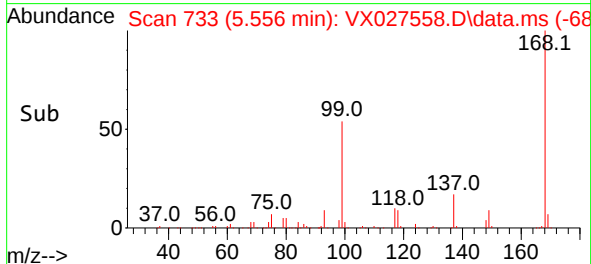
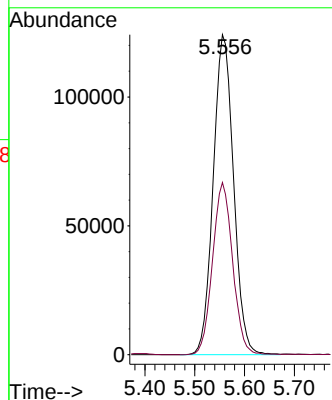
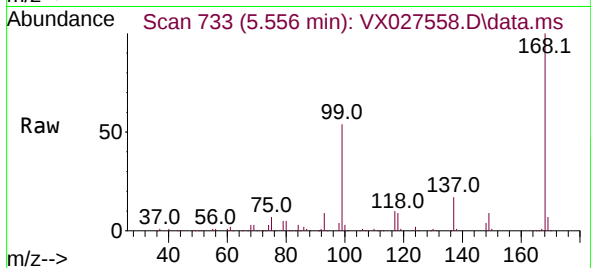




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

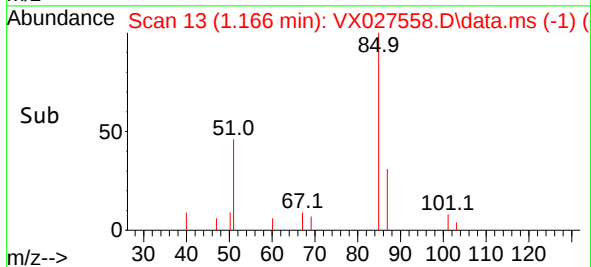
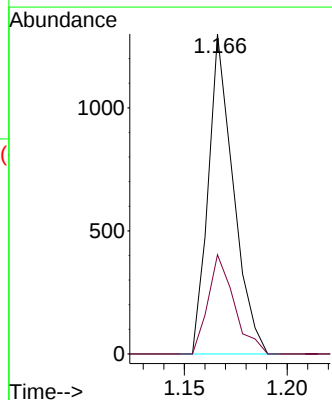
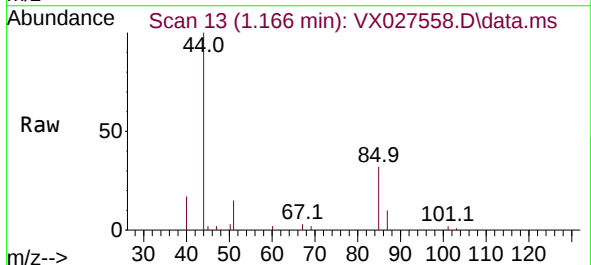
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

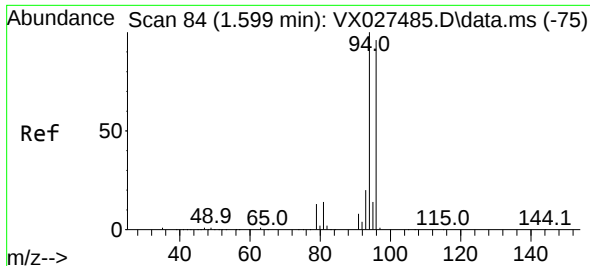
Tgt Ion:168 Resp: 351550
Ion Ratio Lower Upper
168 100
99 53.8 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.327 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 85 Resp: 1103
Ion Ratio Lower Upper
85 100
87 31.0 16.2 48.6

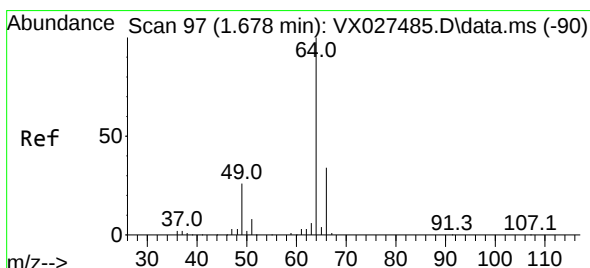
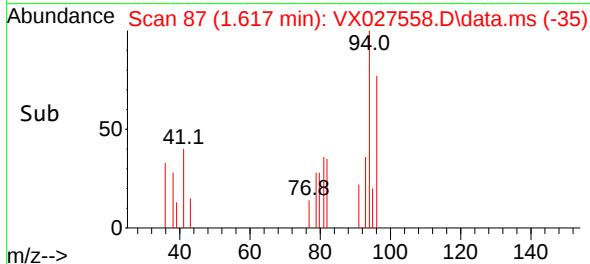
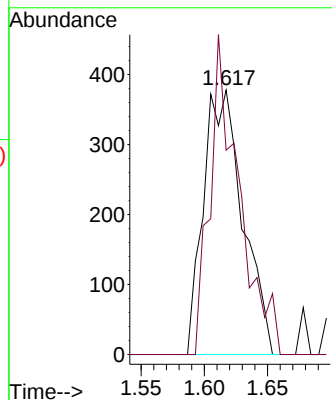
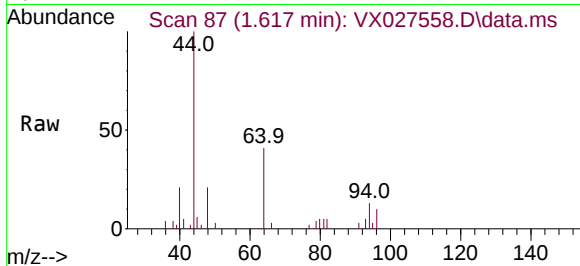




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

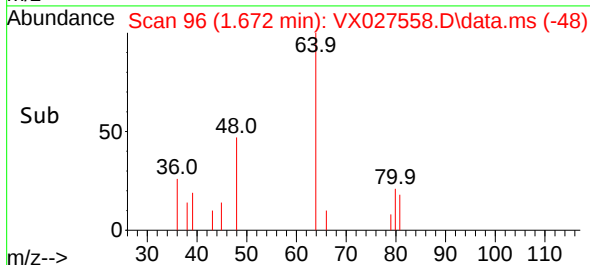
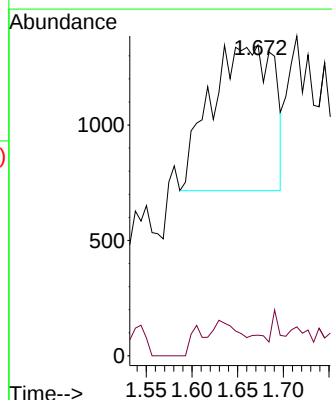
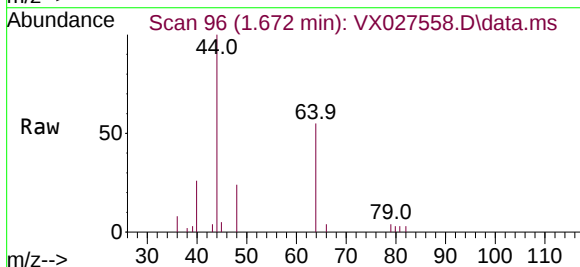
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

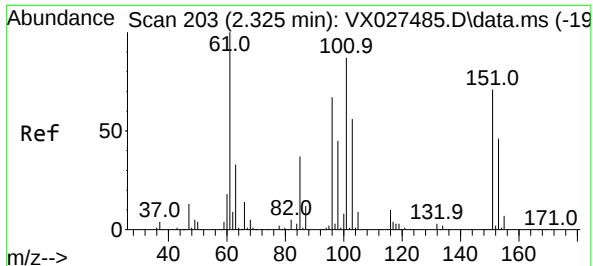
Tgt Ion: 94 Resp: 817
Ion Ratio Lower Upper
94 100
96 77.2 75.3 112.9



#6
Chloroethane
Concen: 1.421 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 64 Resp: 3017
Ion Ratio Lower Upper
64 100
66 14.3 25.3 37.9#

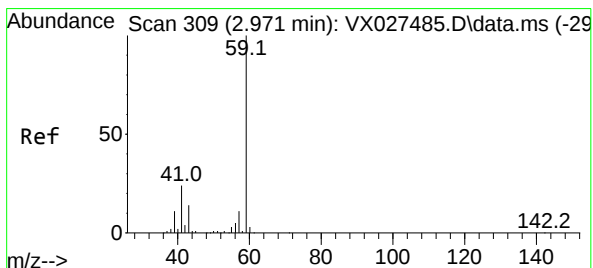
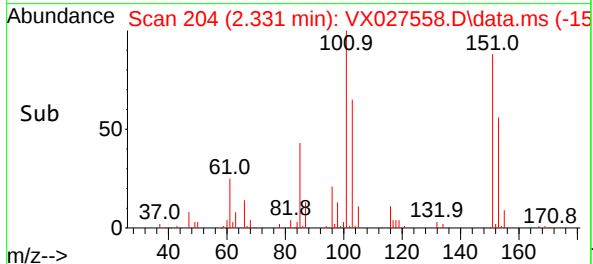
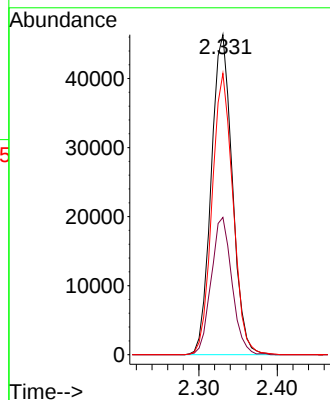
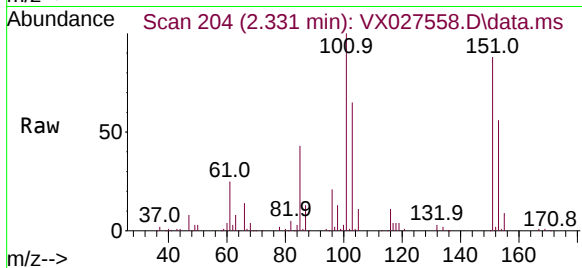




#9
1,1,2-Trichlorotrifluoroethane
Concen: 25.480 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

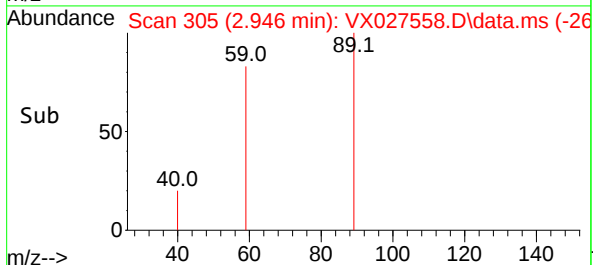
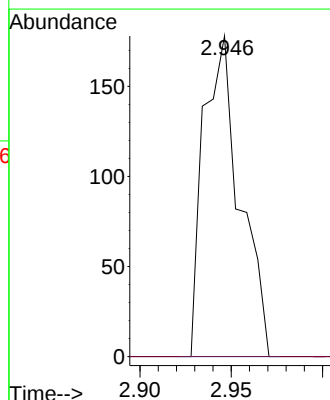
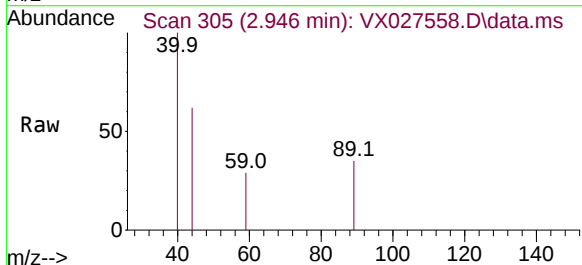
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

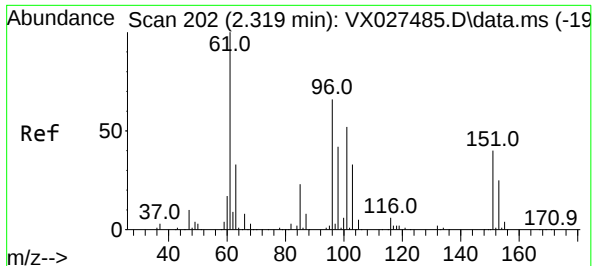
Tgt Ion:101 Resp: 86690
Ion Ratio Lower Upper
101 100
85 42.3 33.5 50.3
151 87.0 61.8 92.6



#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 8.326 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

RE-132D6-20220315

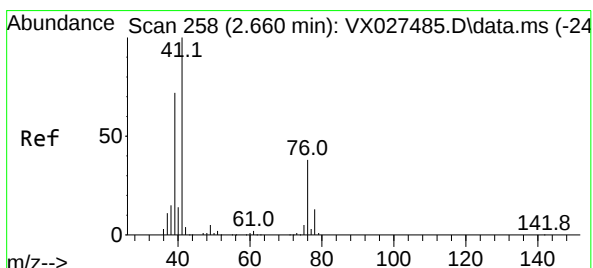
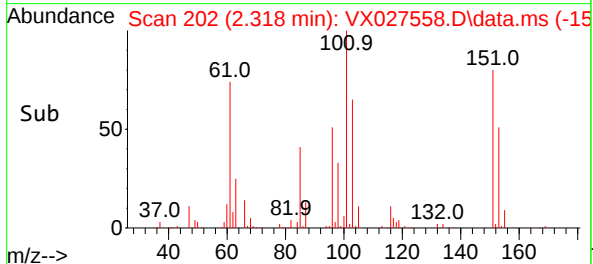
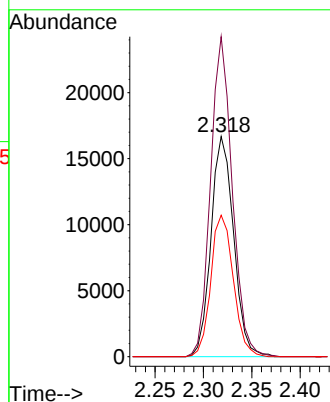
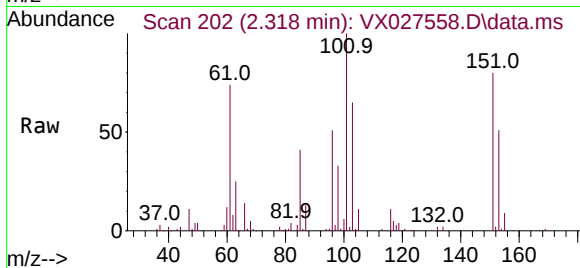
Tgt Ion: 96 Resp: 27179

Ion Ratio Lower Upper

96 100

61 145.4 124.6 187.0

98 64.3 51.0 76.4



#14

Allyl chloride

Concen: 0.257 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.122 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

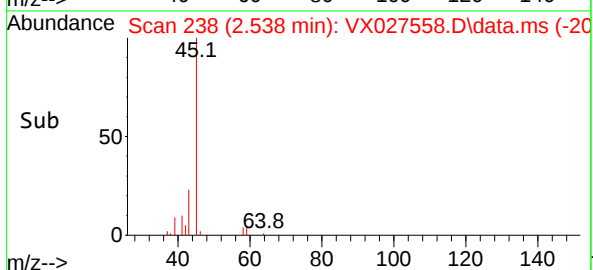
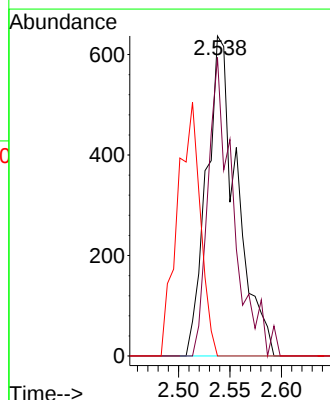
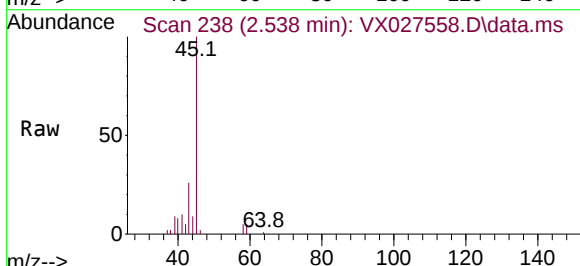
Tgt Ion: 41 Resp: 1314

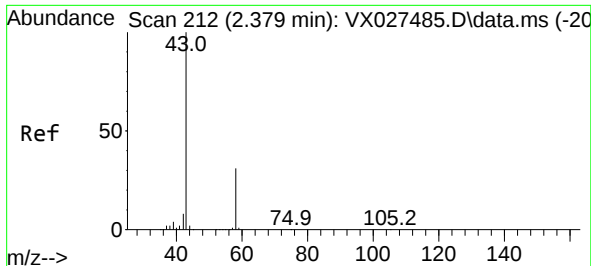
Ion Ratio Lower Upper

41 100

39 77.9 50.4 75.6#

76 0.0 32.7 49.1#

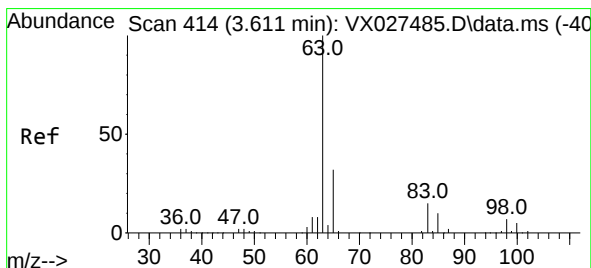
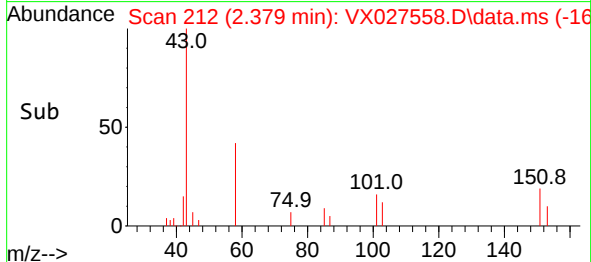
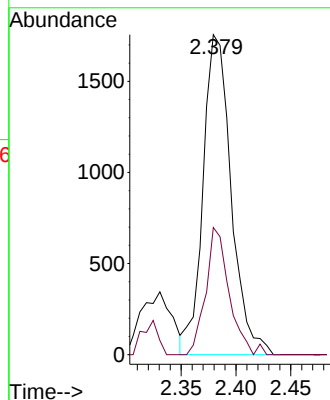
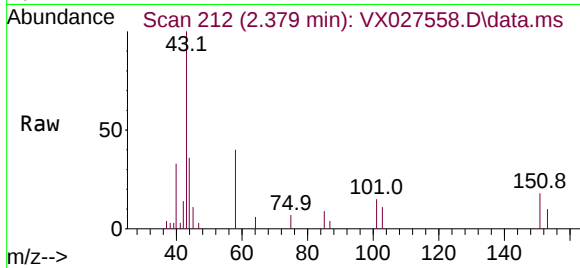




#16
Acetone
Concen: 1.775 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

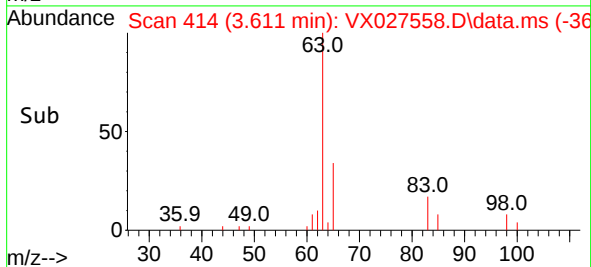
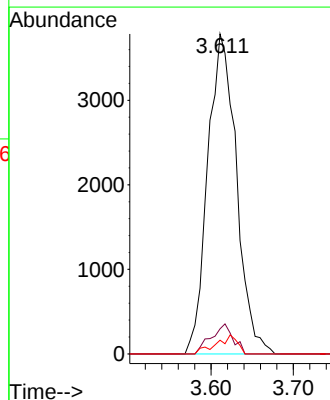
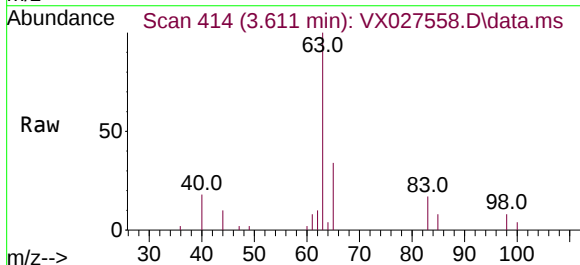
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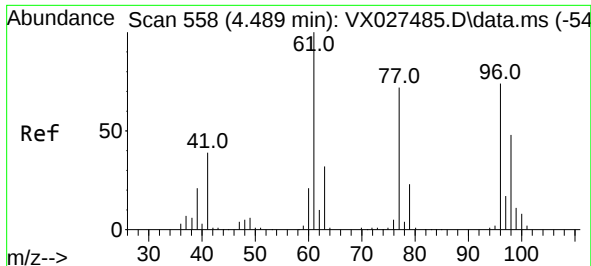
Tgt Ion: 43 Resp: 3133
Ion Ratio Lower Upper
43 100
58 39.7 28.8 43.2



#24
1,1-Dichloroethane
Concen: 1.515 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 63 Resp: 9189
Ion Ratio Lower Upper
63 100
98 7.8 3.9 11.7
100 4.3 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 3.739 ug/l

RT: 4.495 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

RE-132D6-20220315

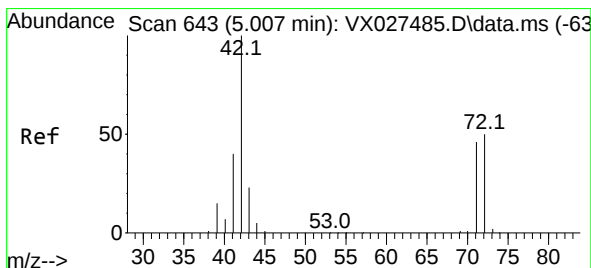
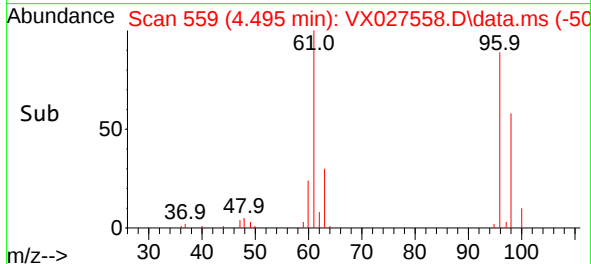
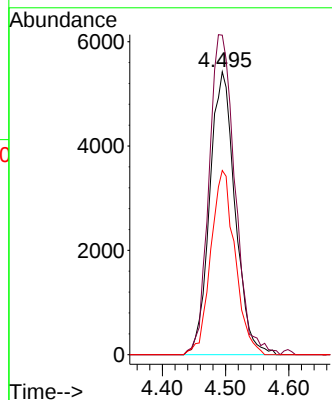
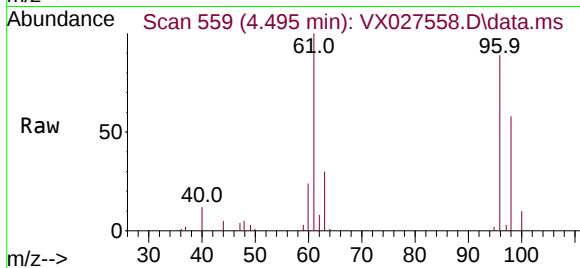
Tgt Ion: 96 Resp: 15099

Ion Ratio Lower Upper

96 100

61 116.1 0.0 283.8

98 62.4 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.438 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

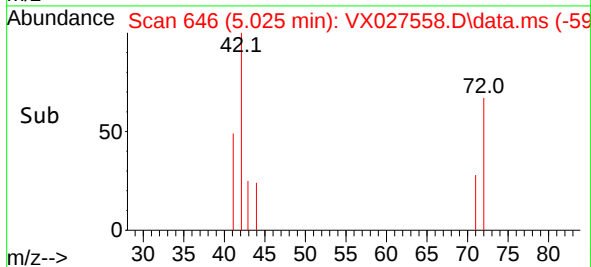
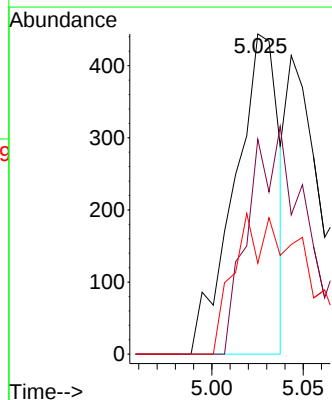
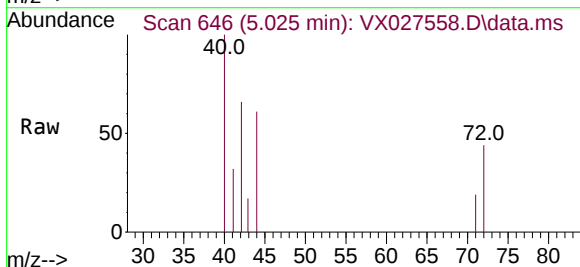
Tgt Ion: 42 Resp: 747

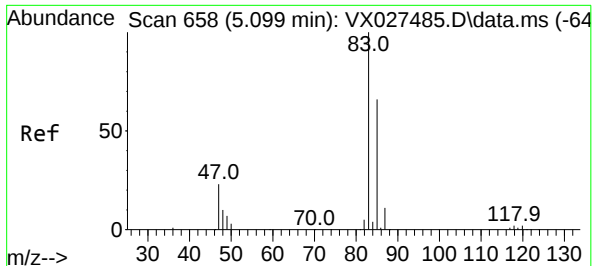
Ion Ratio Lower Upper

42 100

72 96.8 44.1 66.1#

71 26.1 40.5 60.7#





#30

Chloroform

Concen: 0.965 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

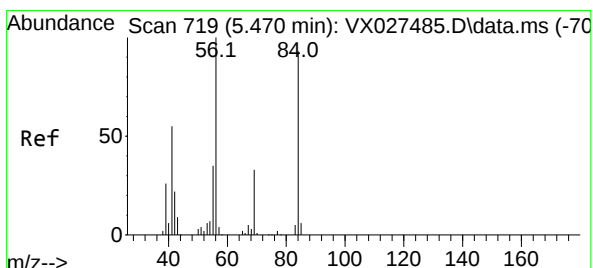
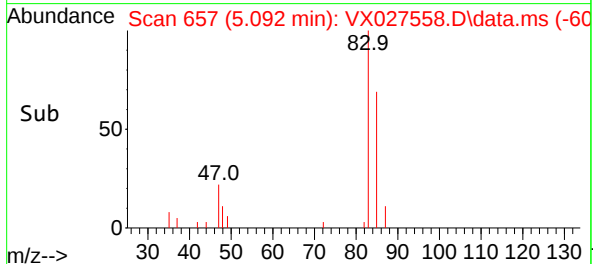
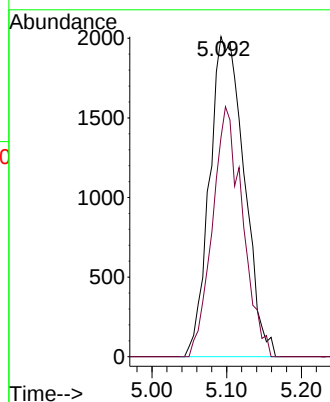
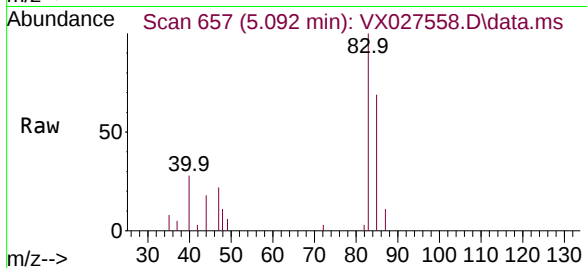
RE-132D6-20220315

Tgt Ion: 83 Resp: 6460

Ion Ratio Lower Upper

83 100

85 68.6 52.7 79.1



#31

Cyclohexane

Concen: 0.968 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

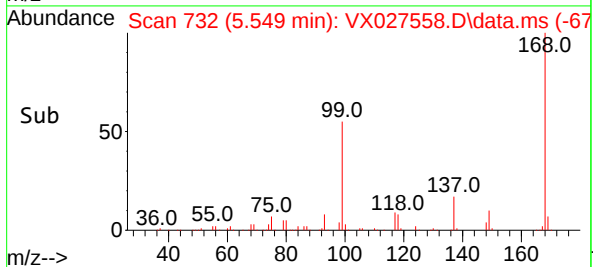
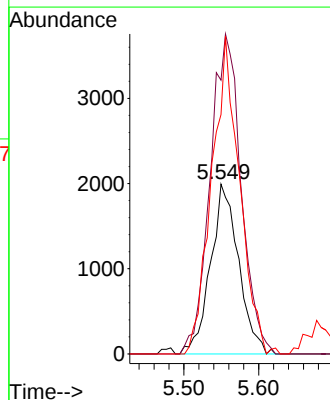
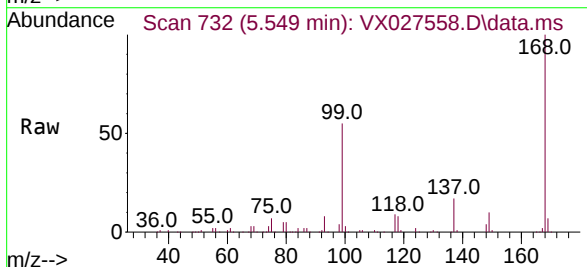
Tgt Ion: 56 Resp: 5204

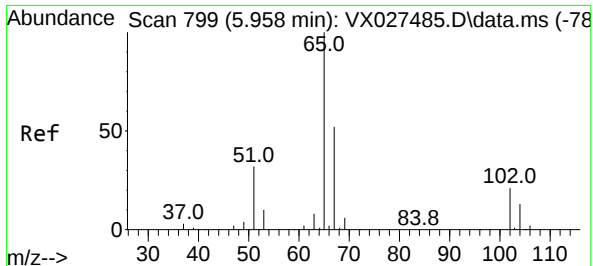
Ion Ratio Lower Upper

56 100

69 161.3 26.7 40.1#

84 141.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.924 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

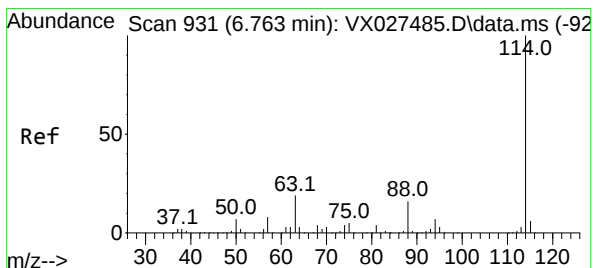
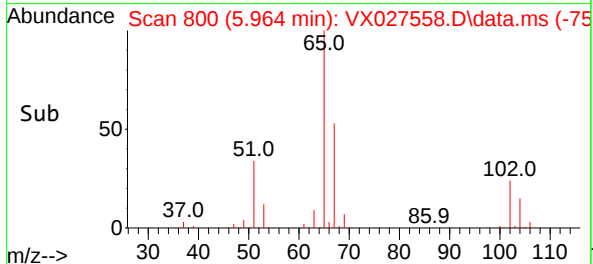
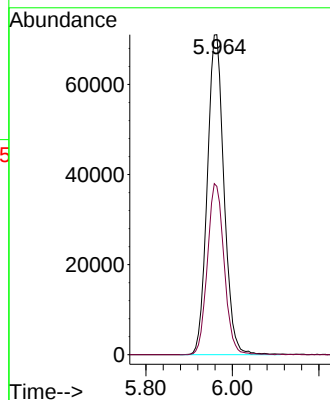
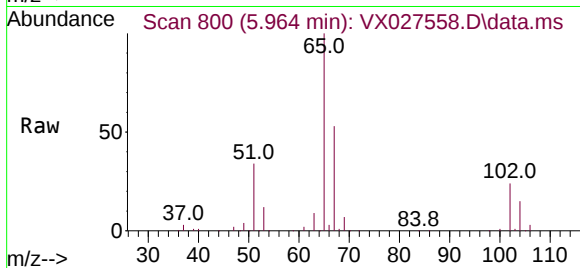
RE-132D6-20220315

Tgt Ion: 65 Resp: 190225

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

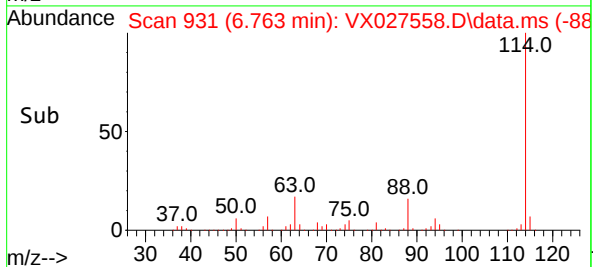
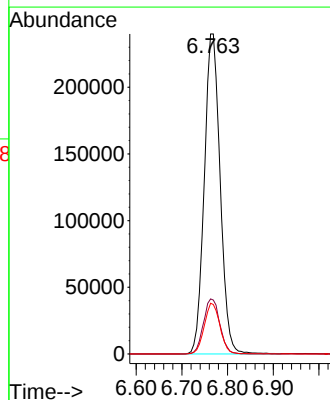
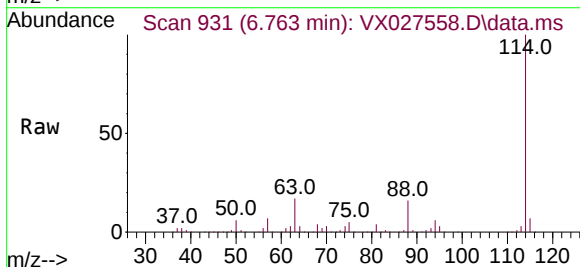
Tgt Ion: 114 Resp: 579665

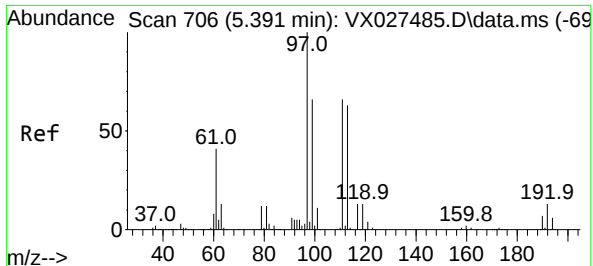
Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.8

88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.621 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

RE-132D6-20220315

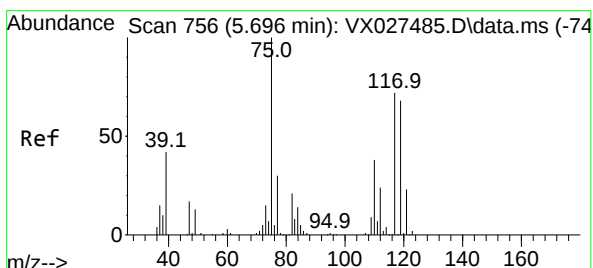
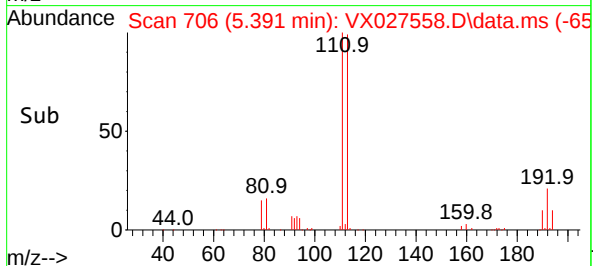
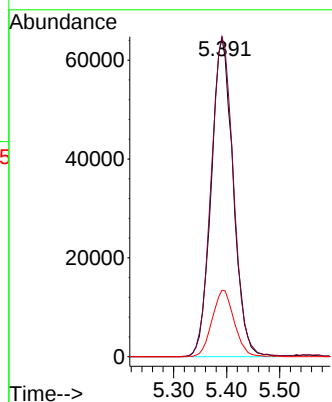
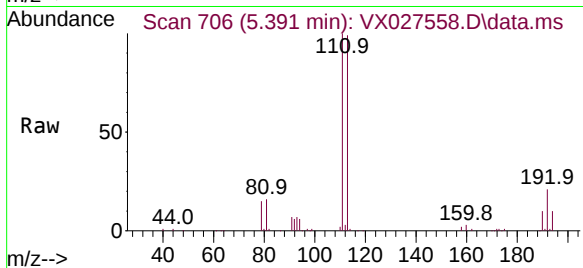
Tgt Ion:113 Resp: 185061

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 21.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.405 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

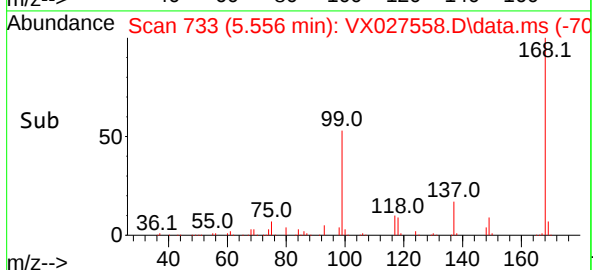
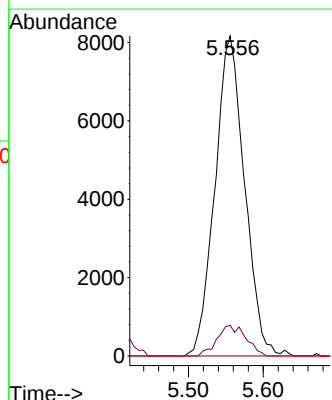
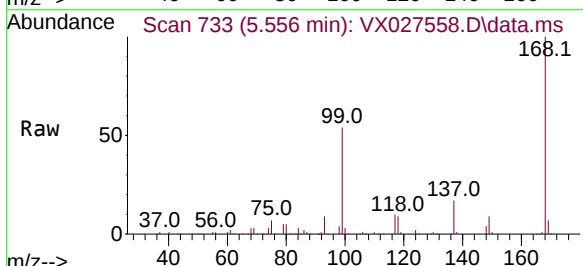
Tgt Ion: 75 Resp: 22448

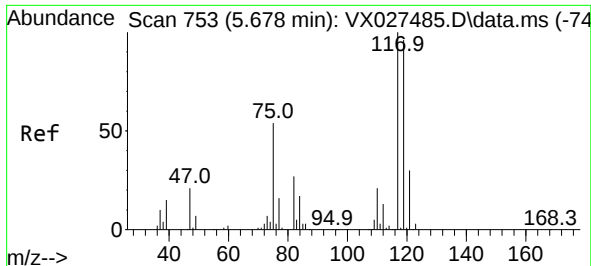
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 24.8 37.2#

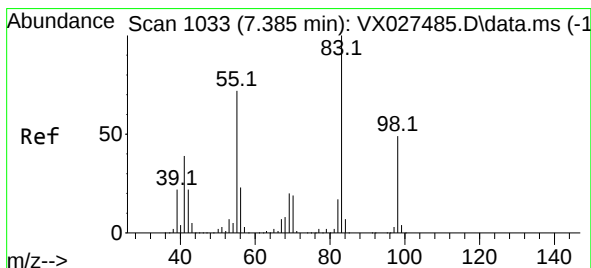
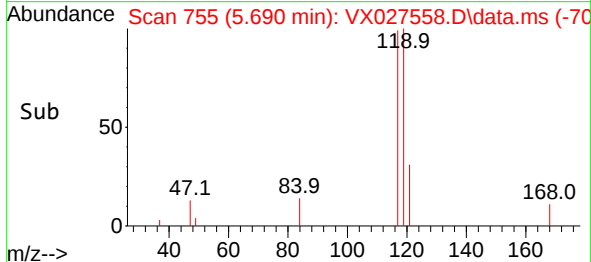
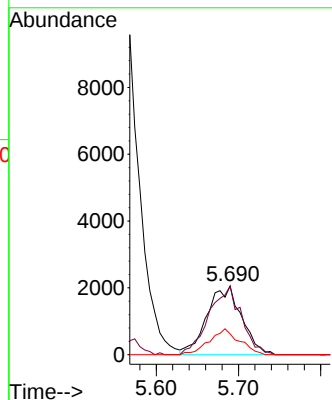
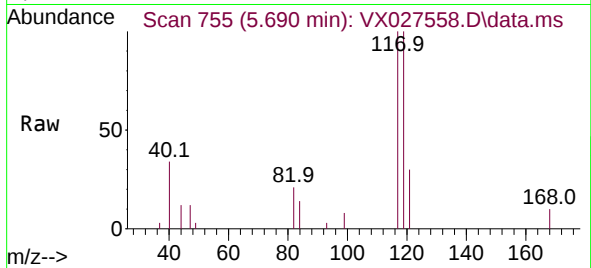




#38
Carbon Tetrachloride
Concen: 1.029 ug/l
RT: 5.690 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

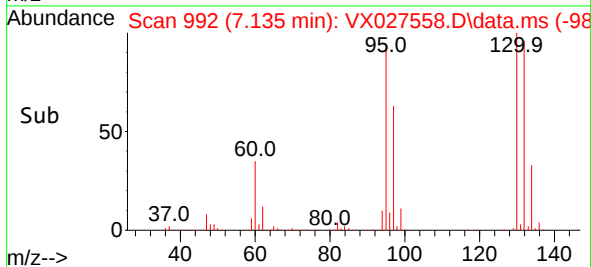
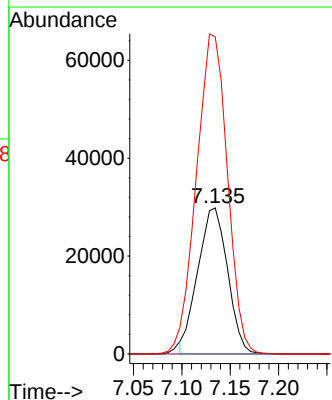
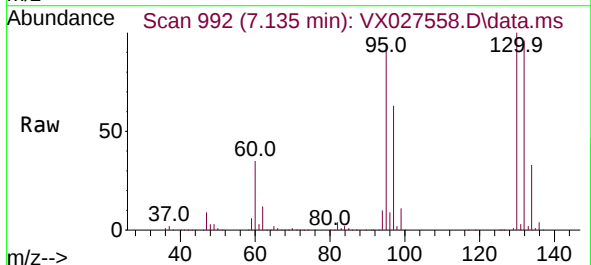
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

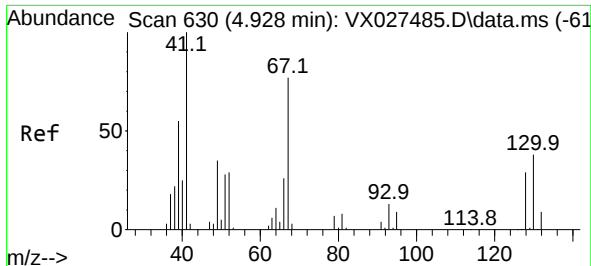
Tgt Ion:117 Resp: 6001
Ion Ratio Lower Upper
117 100
119 100.0 77.3 115.9
121 30.3 24.2 36.2



#39
Methylcyclohexane
Concen: 9.970 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 83 Resp: 63896
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 217.1 37.4 56.2#

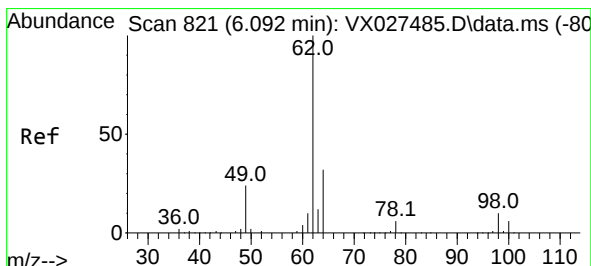
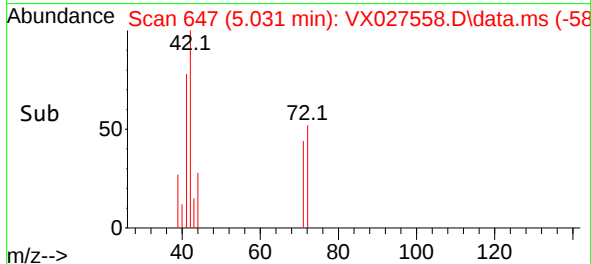
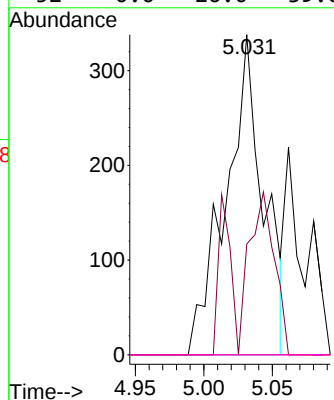
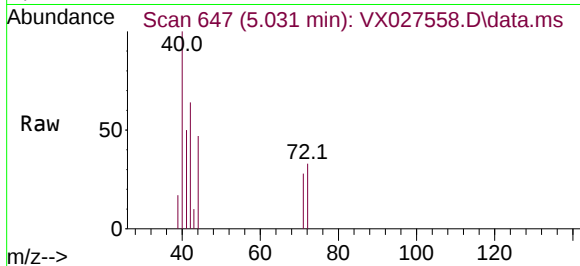




#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

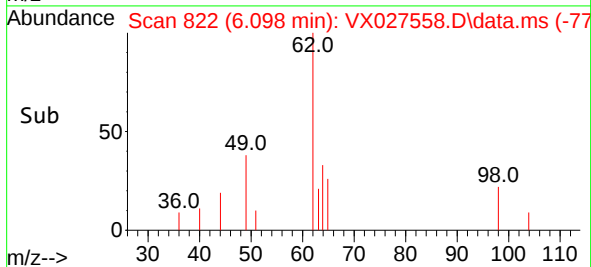
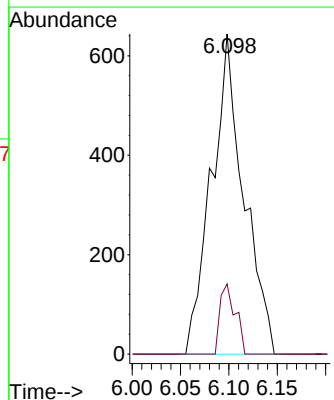
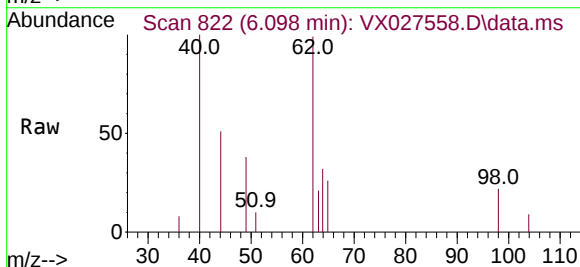
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

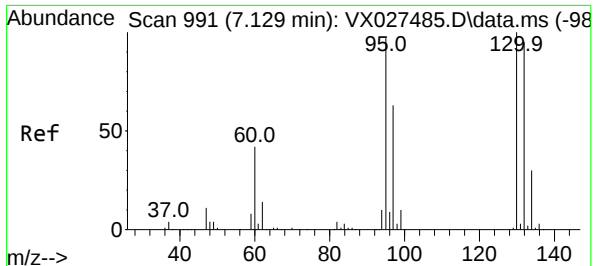
Tgt Ion:	41	Resp:	643
Ion	Ratio	Lower	Upper
41	100		
39	34.4	43.0	64.4#
67	0.0	70.2	105.4#
52	0.0	26.0	39.0#



#42
1,2-Dichloroethane
Concen: 0.273 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion:	62	Resp:	1495
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4

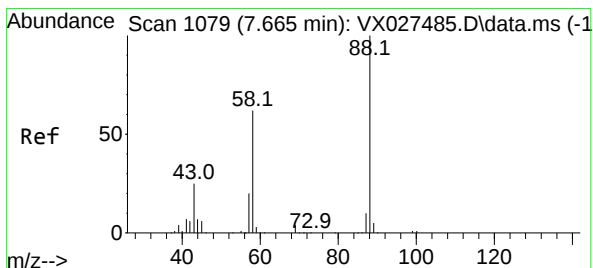
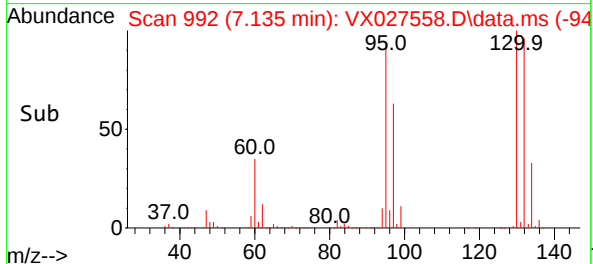
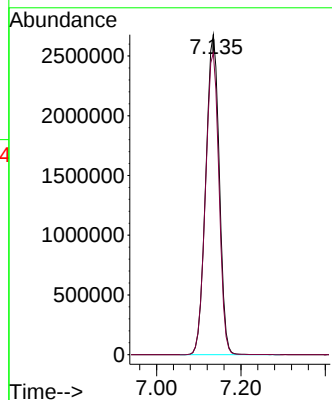
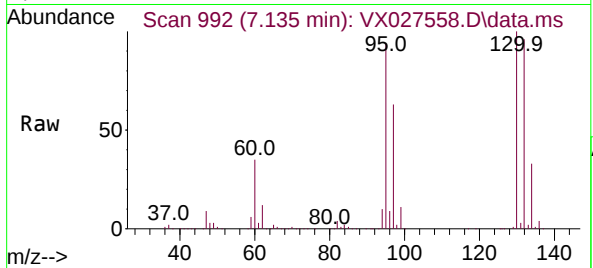




#44
Trichloroethene
Concen: 1344.583 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

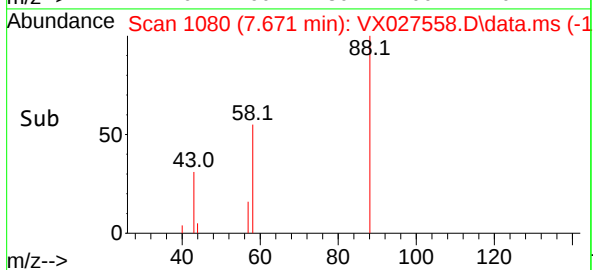
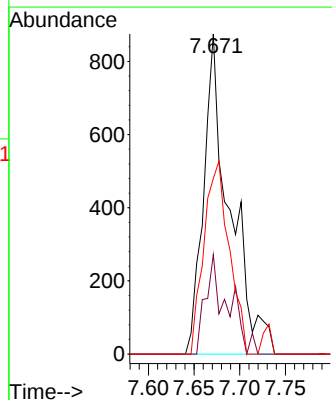
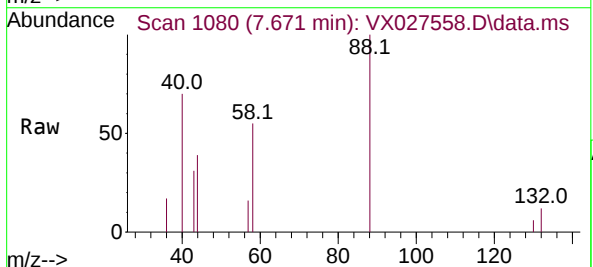
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

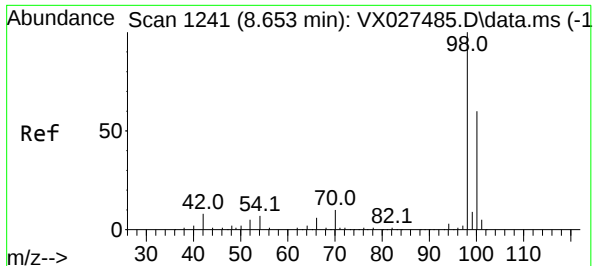
Tgt Ion:130 Resp: 5968084
Ion Ratio Lower Upper
130 100
95 94.3 0.0 188.8



#49
1,4-Dioxane
Concen: 16.691 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 88 Resp: 1734
Ion Ratio Lower Upper
88 100
43 26.4 21.9 32.9
58 58.4 53.7 80.5

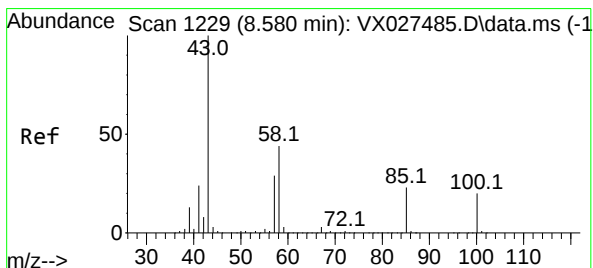
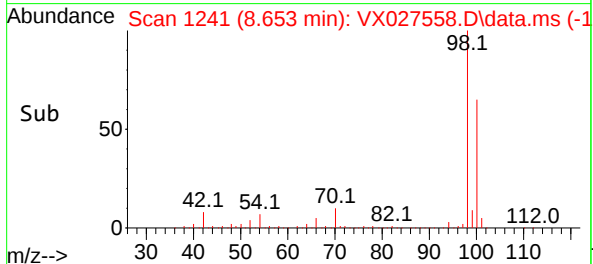
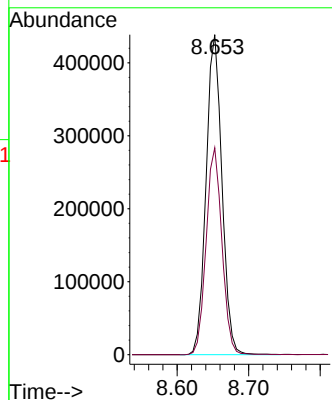
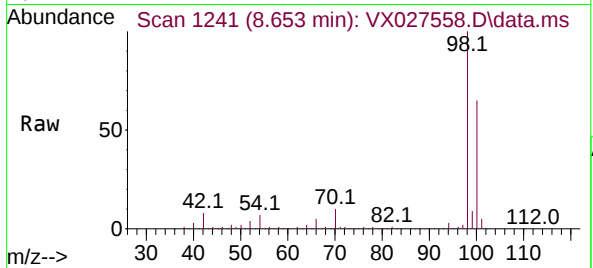




#50
Toluene-d8
Concen: 47.841 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

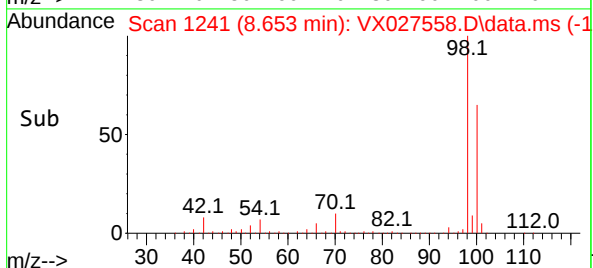
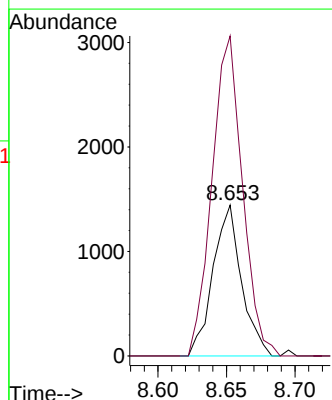
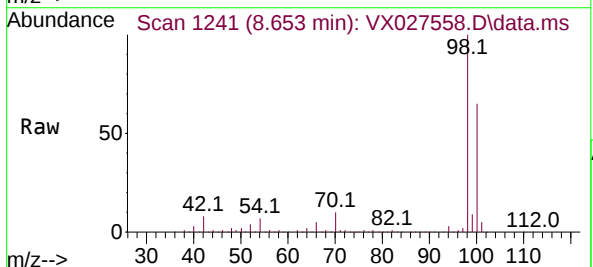
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

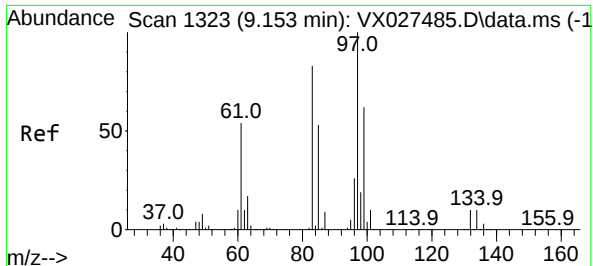
Tgt Ion: 98 Resp: 675167
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.400 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
58 226.7 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.968 ug/l

RT: 9.152 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

RE-132D6-20220315

Tgt Ion: 97 Resp: 3860

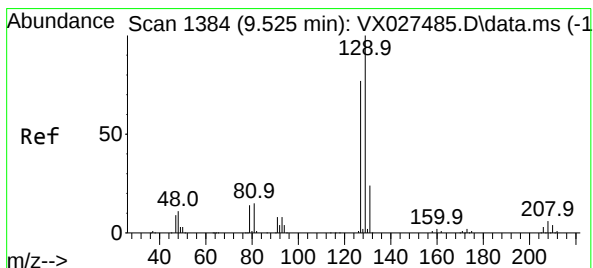
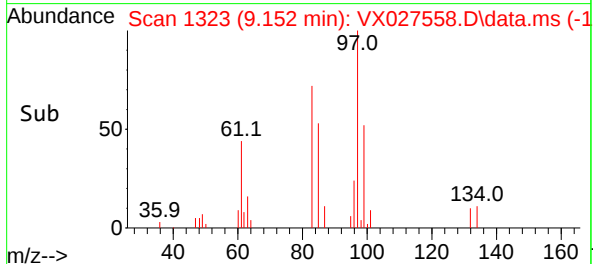
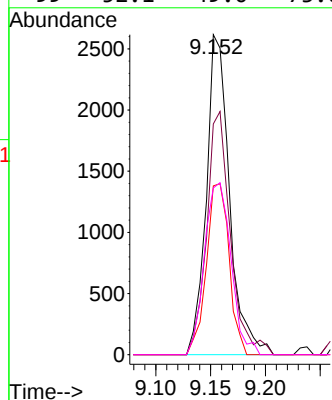
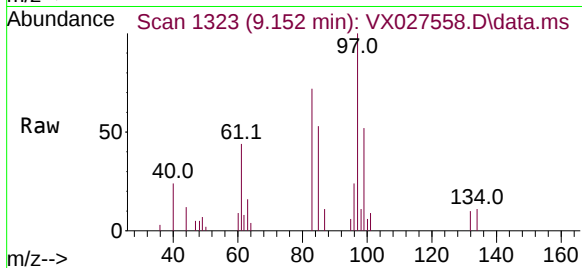
Ion Ratio Lower Upper

97 100

83 72.1 66.2 99.4

85 52.8 42.9 64.3

99 52.1 49.0 73.6



#60

Dibromochloromethane

Concen: 3.936 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX027558.D

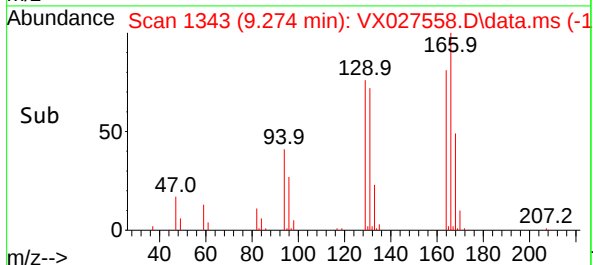
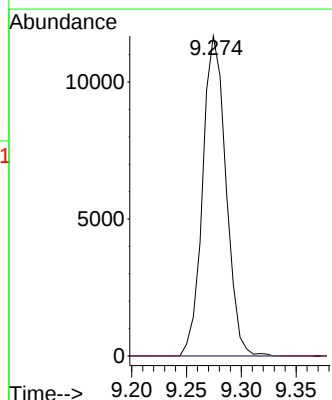
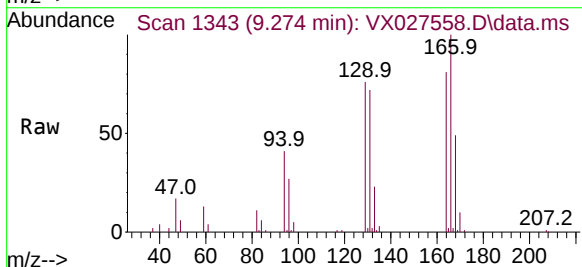
Acq: 19 Mar 2022 14:23

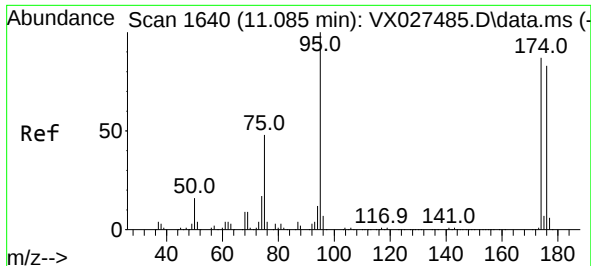
Tgt Ion: 129 Resp: 17284

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#

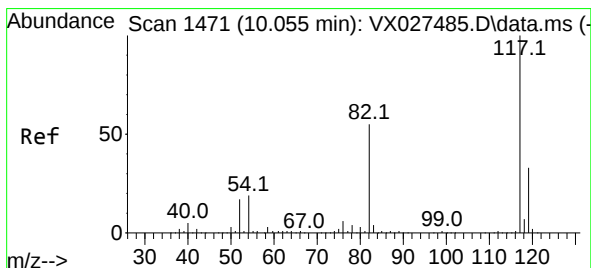
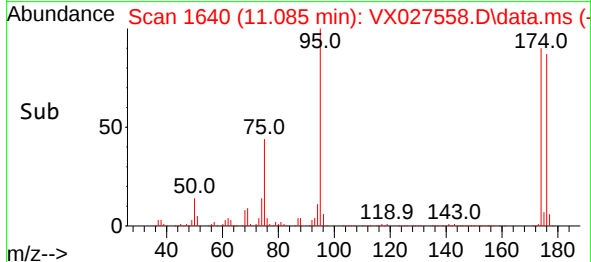
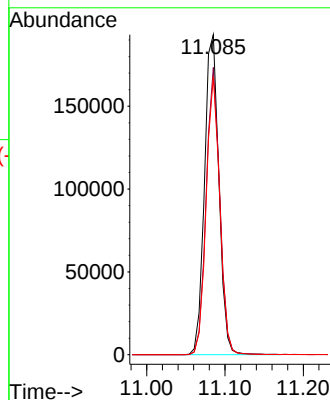
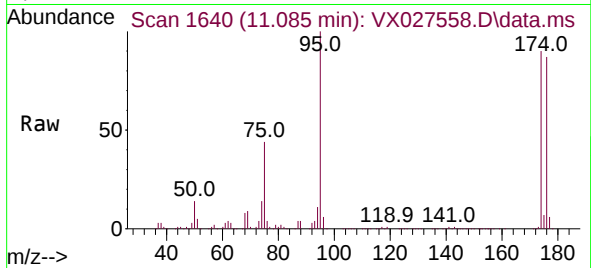




#62
4-Bromofluorobenzene
Concen: 47.408 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

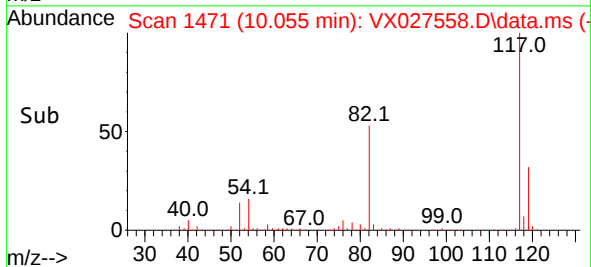
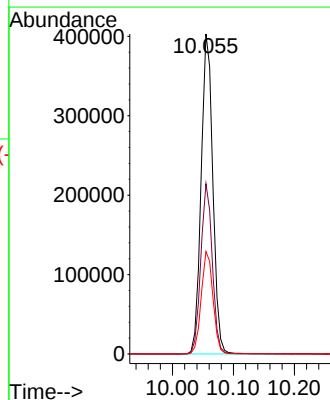
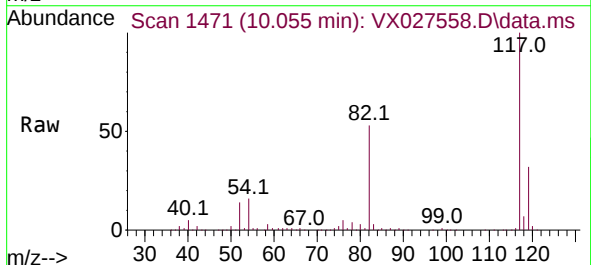
Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

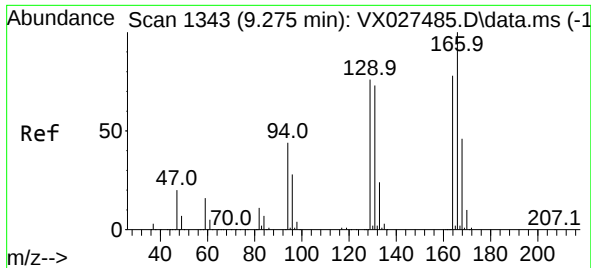
Tgt Ion: 95 Resp: 245915
Ion Ratio Lower Upper
95 100
174 85.2 0.0 163.0
176 82.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 117 Resp: 536761
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.8
119 32.0 24.8 37.2



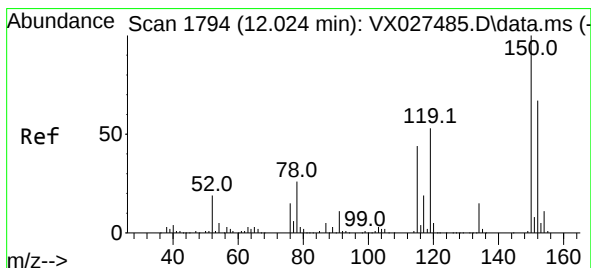
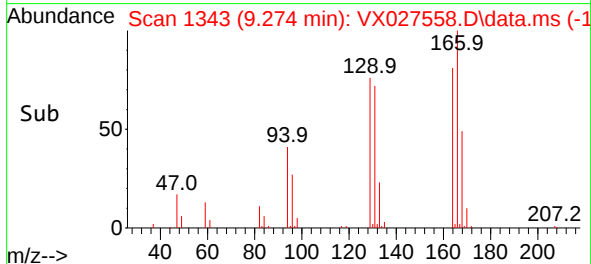
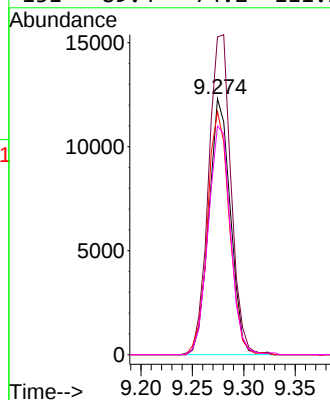
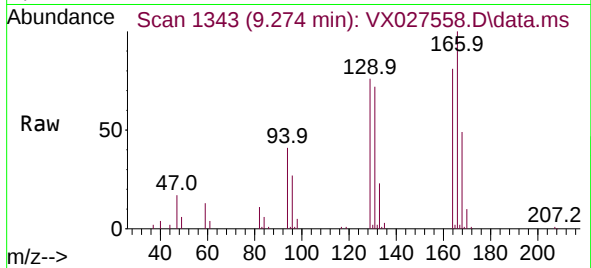


#64
Tetrachloroethene
Concen: 4.309 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

Tgt Ion:164 Resp: 17982

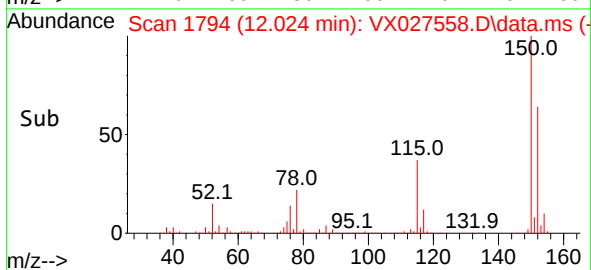
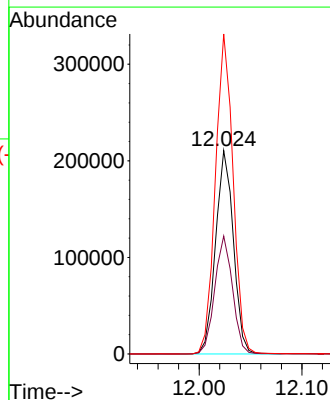
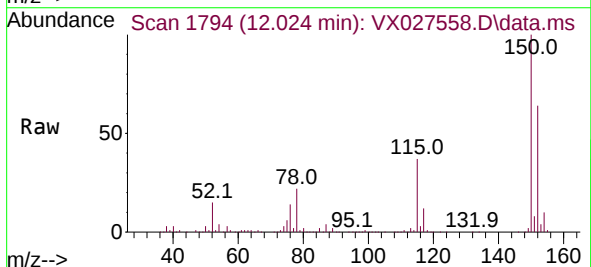
Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.2	151.8
129	94.9	73.0	109.4
131	89.4	74.2	111.2

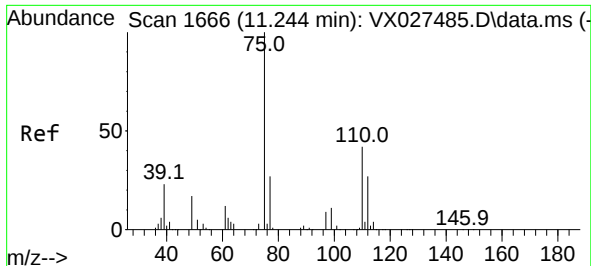


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion:152 Resp: 252926

Ion	Ratio	Lower	Upper
152	100		
115	57.8	37.5	112.7
150	156.4	0.0	338.2

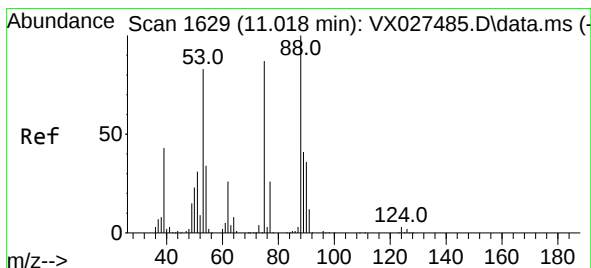
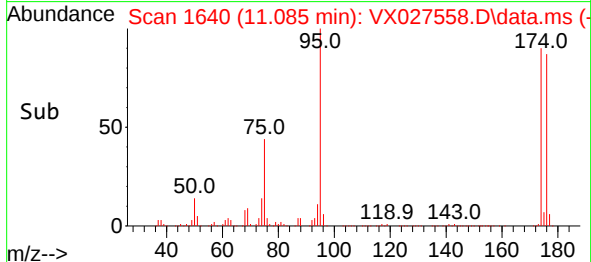
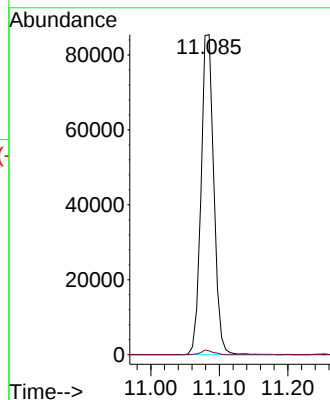
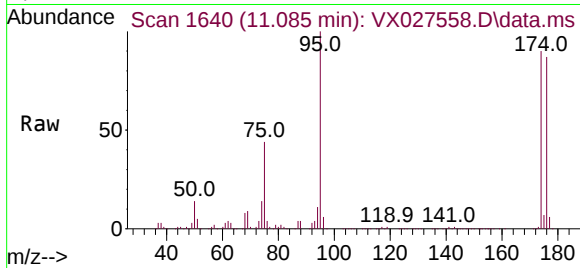




#76
1,2,3-Trichloropropane
Concen: 20.954 ug/l
RT: 11.085 min Scan# 110856
Delta R.T. -0.159 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Instrument :
MSVOA_X
ClientSampleId :
RE-132D6-20220315

Tgt Ion: 75 Resp: 110856
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.639 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027558.D
Acq: 19 Mar 2022 14:23

Tgt Ion: 75 Resp: 110856
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

