

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027566.D
 Acq On : 19 Mar 2022 17:32
 Operator : JC/MD
 Sample : N2000-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-139D1-20220316

Quant Time: Mar 21 01:24:29 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)

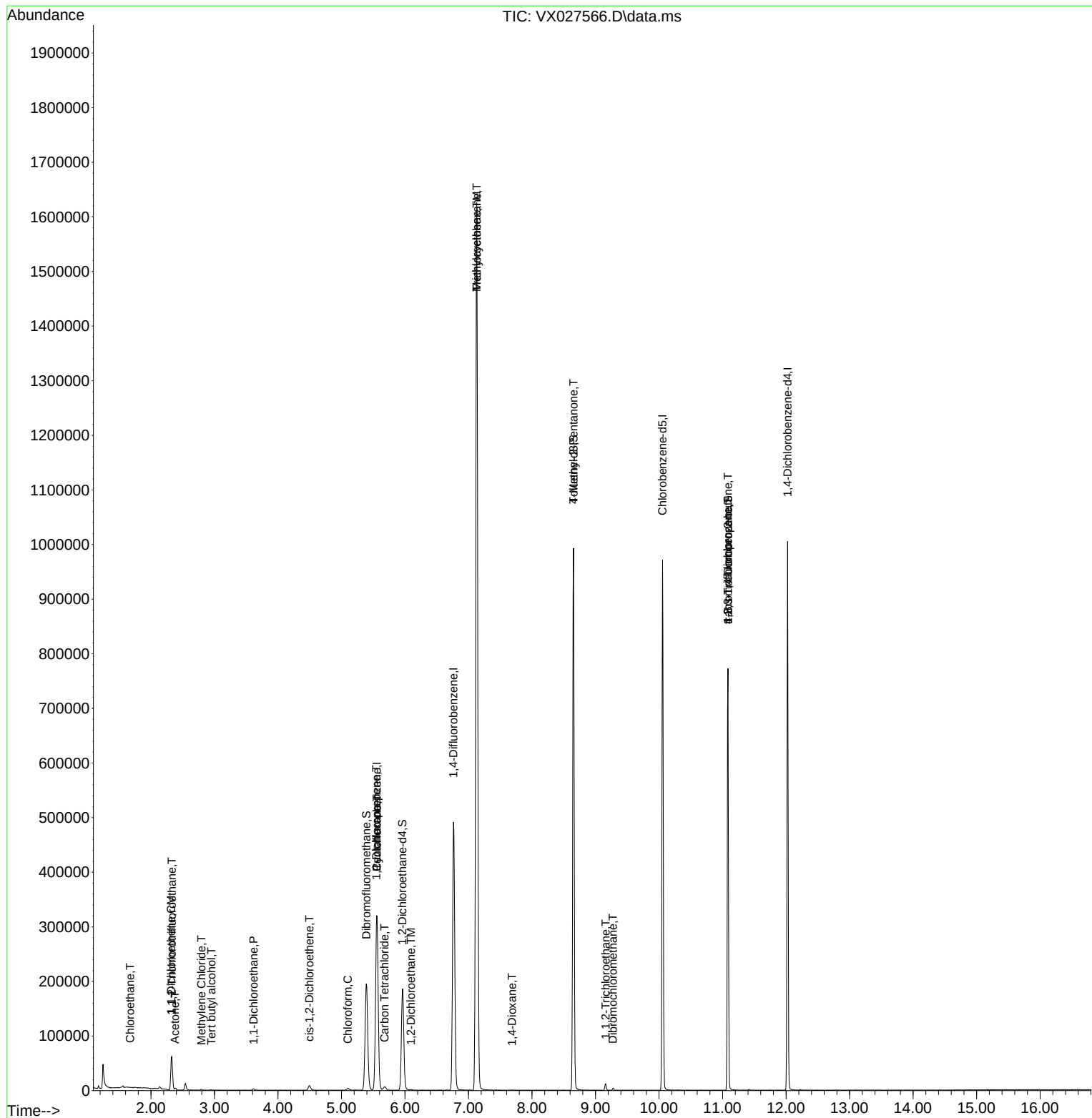
Internal Standards						
1) Pentafluorobenzene	5.556	168	330371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	545000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	475855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	214915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	178499	43.859	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.720%
35) Dibromofluoromethane	5.391	113	176280	50.273	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.540%
50) Toluene-d8	8.653	98	630135	47.490	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.980%
62) 4-Bromofluorobenzene	11.085	95	213577	43.793	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.580%
Target Compounds						Qvalue
5) Bromomethane	1.624	94	504	Below Cal		87
6) Chloroethane	1.672	64	475	0.238	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	16652	5.208	ug/l	96
11) Tert butyl alcohol	2.953	59	477	0.615	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	10172	3.316	ug/l	98
16) Acetone	2.380	43	3824	2.305	ug/l #	85
20) Methylene Chloride	2.794	84	746	0.209	ug/l #	97
24) 1,1-Dichloroethane	3.617	63	3146	0.552	ug/l #	92
27) cis-1,2-Dichloroethene	4.495	96	6007	1.583	ug/l	82
30) Chloroform	5.099	83	4235	0.673	ug/l	94
31) Cyclohexane	5.556	56	5028	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	21580	4.504	ug/l #	50
38) Carbon Tetrachloride	5.678	117	6059	1.105	ug/l	87
39) Methylcyclohexane	7.129	83	6833	1.134	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1063	0.206	ug/l #	73
44) Trichloroethene	7.129	130	679550	162.838	ug/l	100
49) 1,4-Dioxane	7.684	88	540	5.528	ug/l #	81
51) 4-Methyl-2-Pentanone	8.653	43	1905	0.388	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	3597	0.959	ug/l	89
60) Dibromochloromethane	9.275	129	850	0.206	ug/l #	9
76) 1,2,3-Trichloropropane	11.085	75	95714	21.292	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	95714	64.665	ug/l #	15

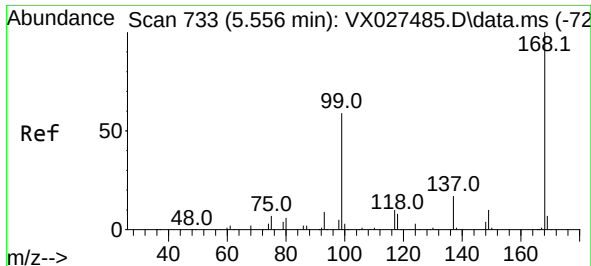
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
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RE-139D1-20220316

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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

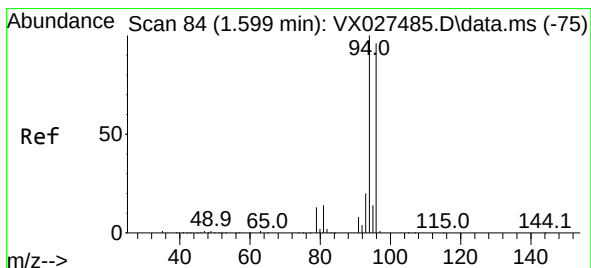
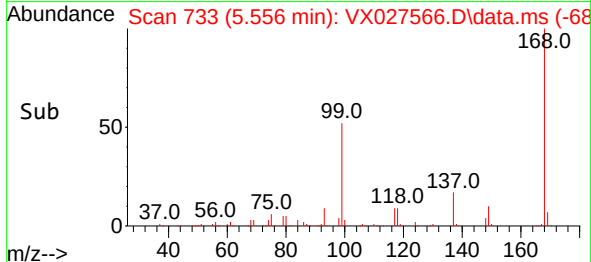
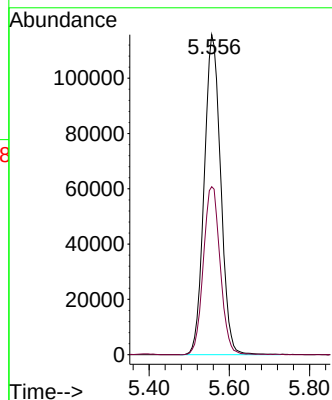
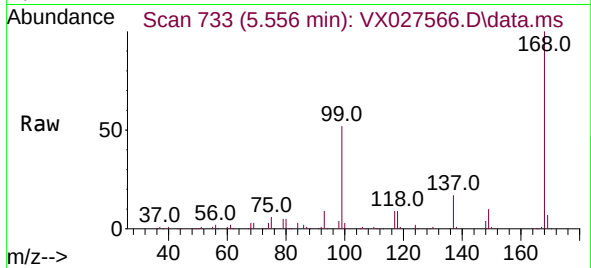




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

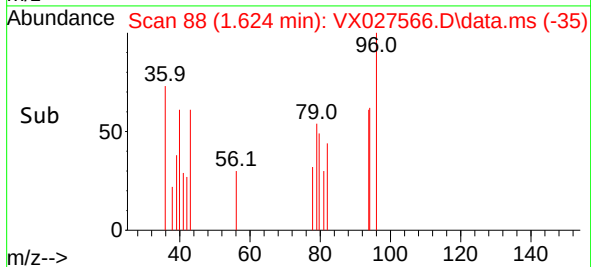
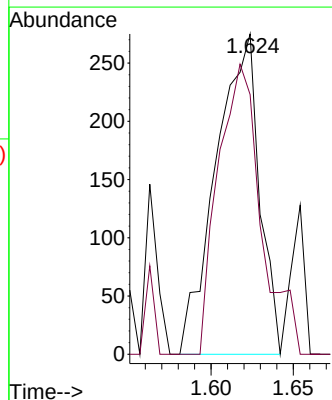
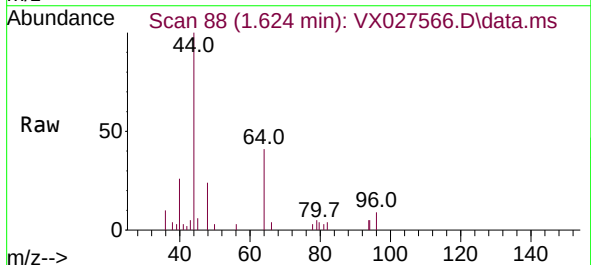
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

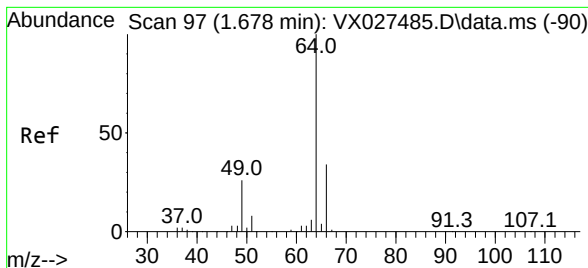
Tgt Ion:168 Resp: 330371
Ion Ratio Lower Upper
168 100
99 52.5 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 81.1 75.3 112.9

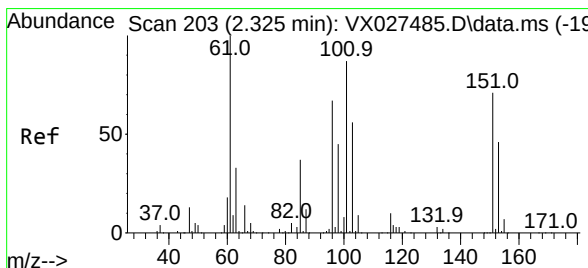
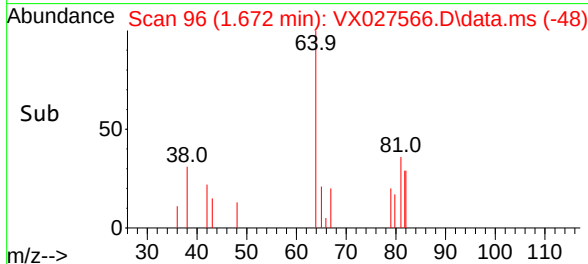
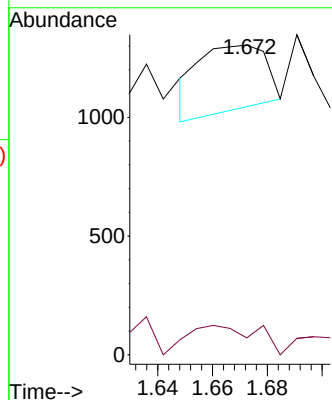
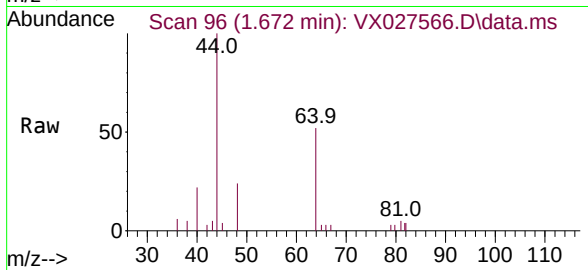




#6
Chloroethane
Concen: 0.238 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

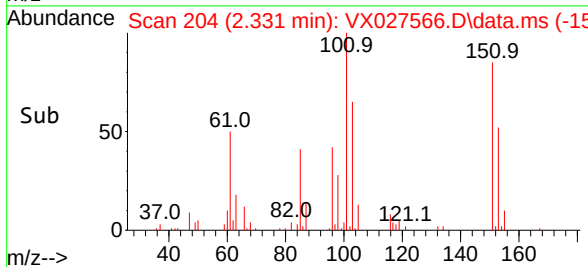
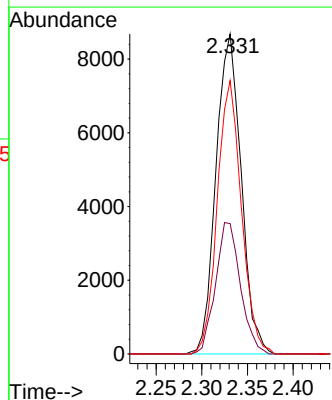
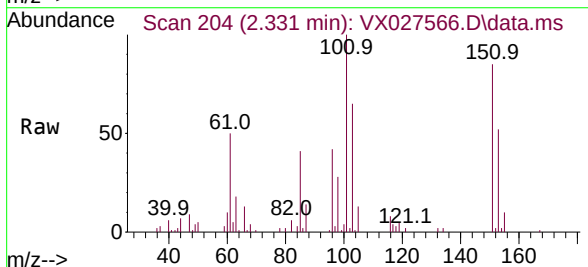
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

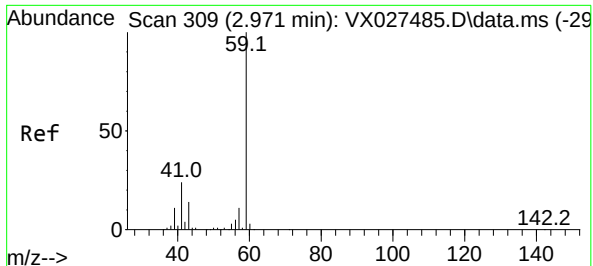
Tgt Ion: 64 Resp: 475
Ion Ratio Lower Upper
64 100
66 31.3 25.3 37.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.208 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 101 Resp: 16652
Ion Ratio Lower Upper
101 100
85 40.5 33.5 50.3
151 81.9 61.8 92.6

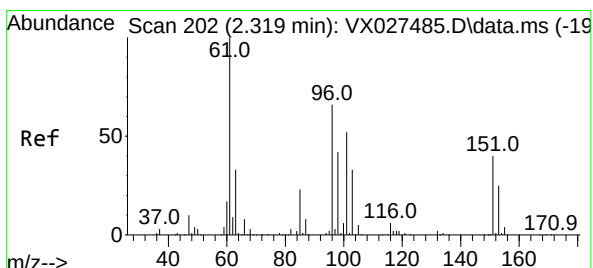
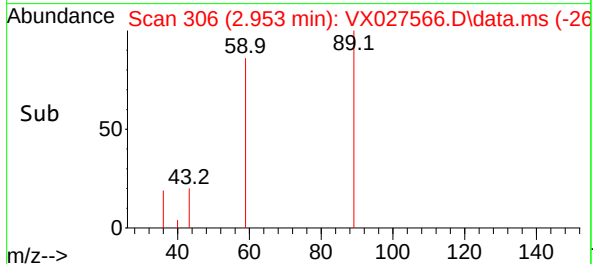
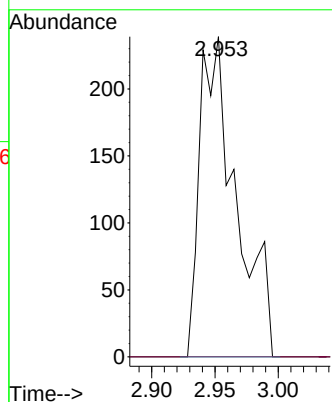
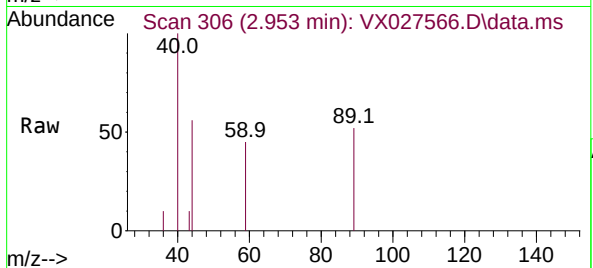




#11
Tert butyl alcohol
Concen: 0.615 ug/l
RT: 2.953 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

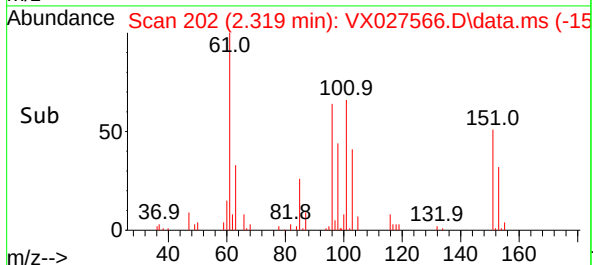
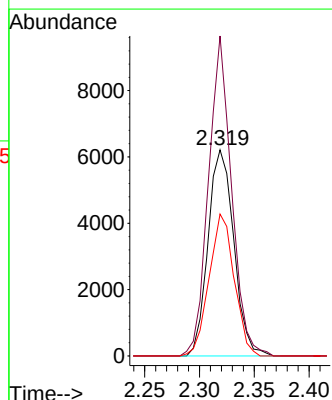
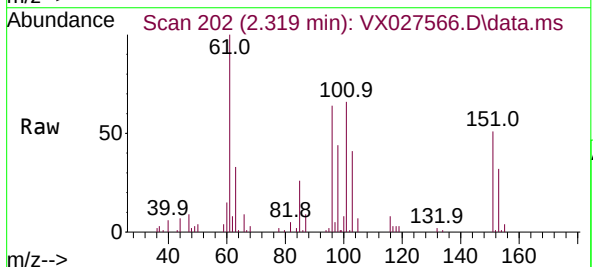
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

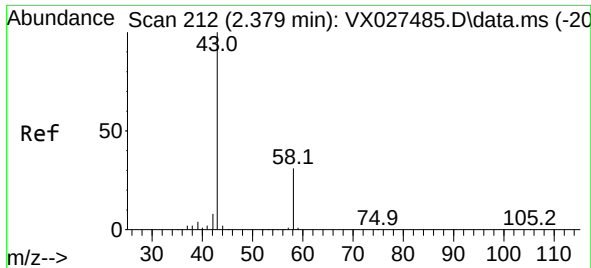
Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 3.316 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 96 Resp: 10172
Ion Ratio Lower Upper
96 100
61 155.2 124.6 187.0
98 68.8 51.0 76.4

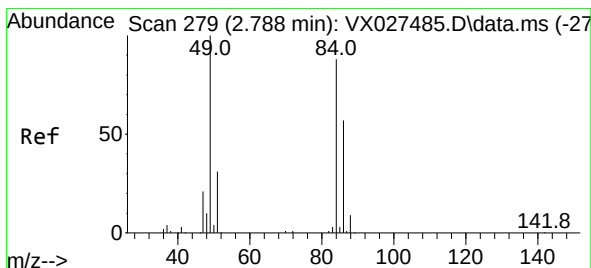
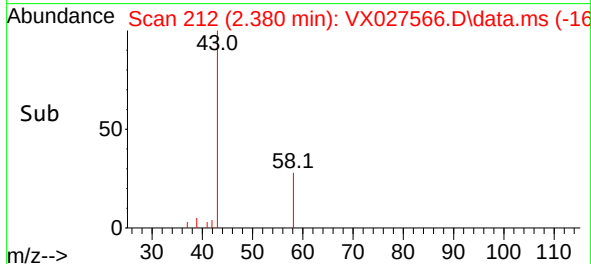
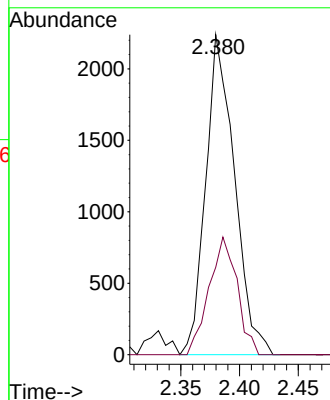
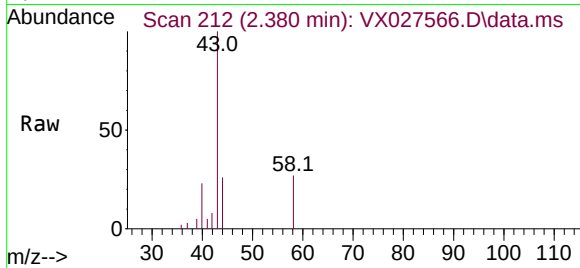




#16
Acetone
Concen: 2.305 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

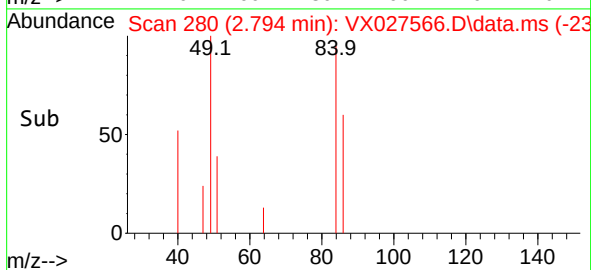
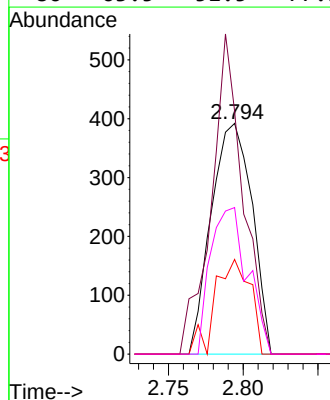
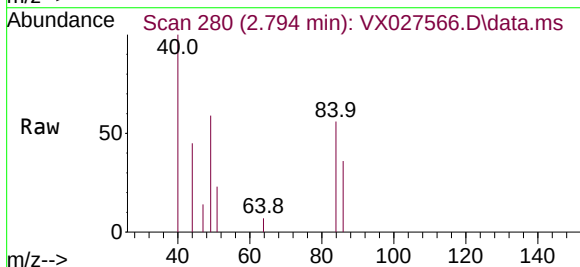
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

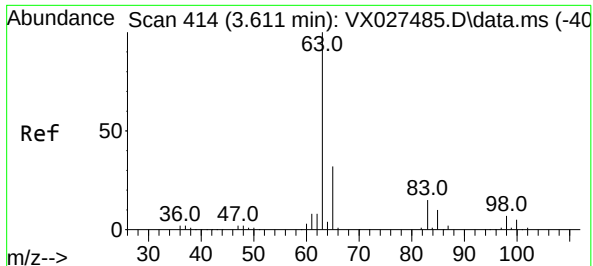
Tgt Ion: 43 Resp: 3824
Ion Ratio Lower Upper
43 100
58 27.3 28.8 43.2#



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 84 Resp: 746
Ion Ratio Lower Upper
84 100
49 105.4 85.5 128.3
51 41.1 26.6 39.8#
86 63.5 51.5 77.3

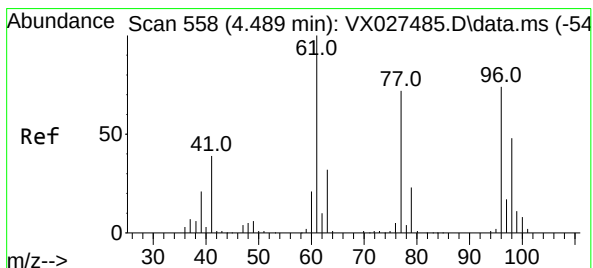
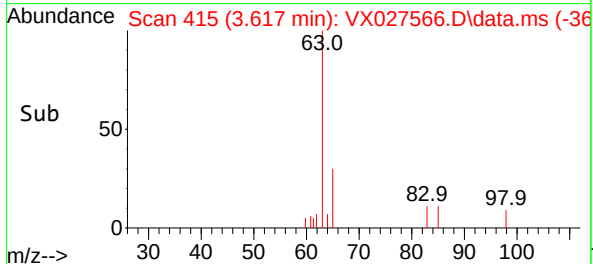
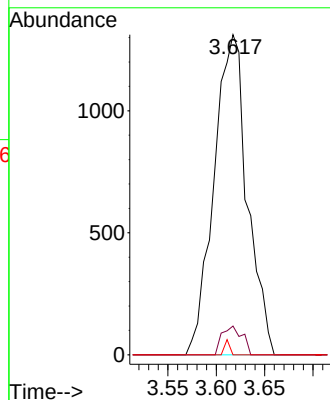
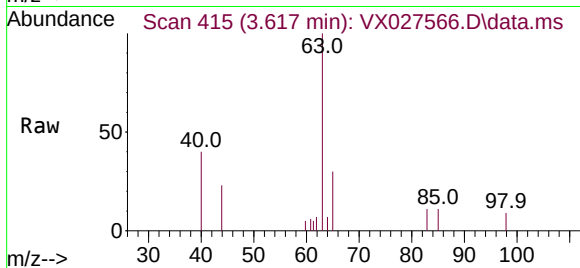




#24
1,1-Dichloroethane
Concen: 0.552 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

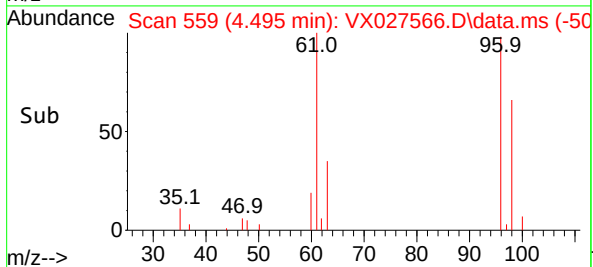
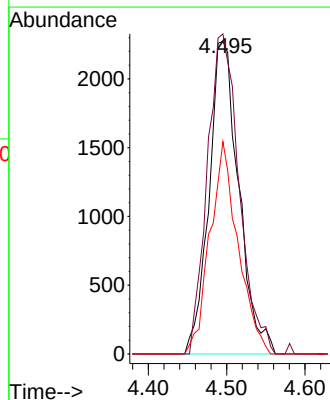
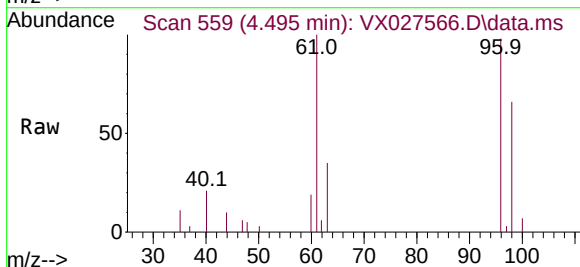
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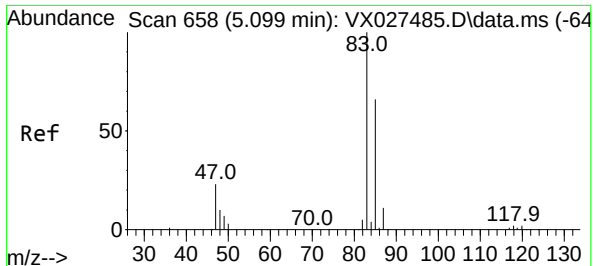
Tgt Ion: 63 Resp: 3146
Ion Ratio Lower Upper
63 100
98 9.0 3.9 11.7
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 1.583 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 96 Resp: 6007
Ion Ratio Lower Upper
96 100
61 109.5 0.0 283.8
98 63.9 0.0 129.8





#30

Chloroform

Concen: 0.673 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

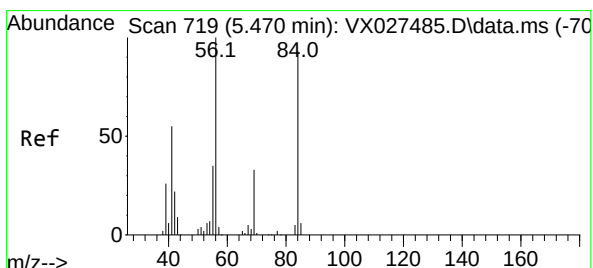
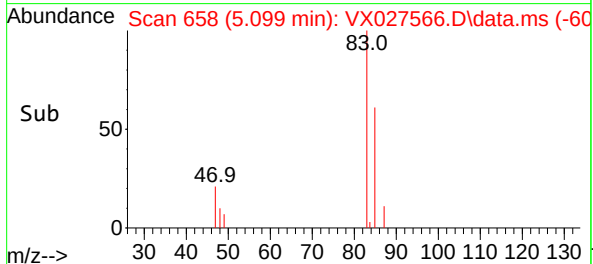
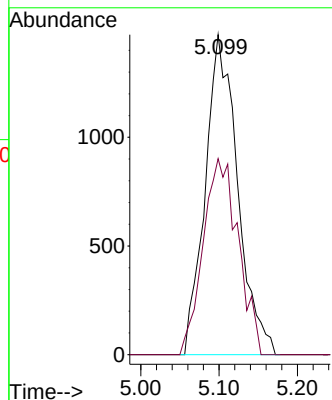
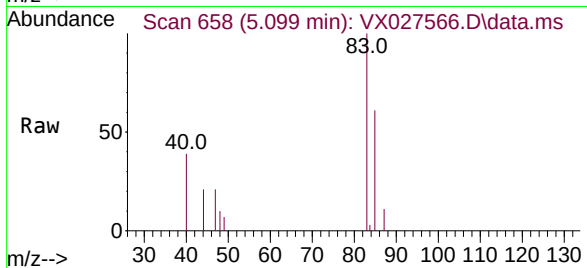
RE-139D1-20220316

Tgt Ion: 83 Resp: 4235

Ion Ratio Lower Upper

83 100

85 61.3 52.7 79.1



#31

Cyclohexane

Concen: 0.995 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

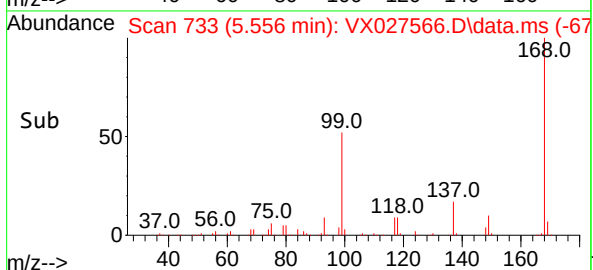
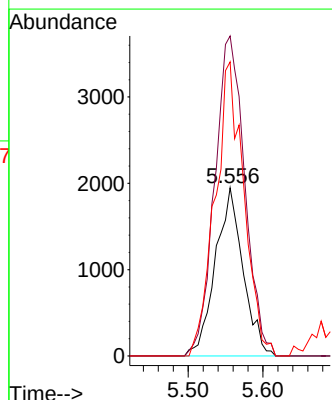
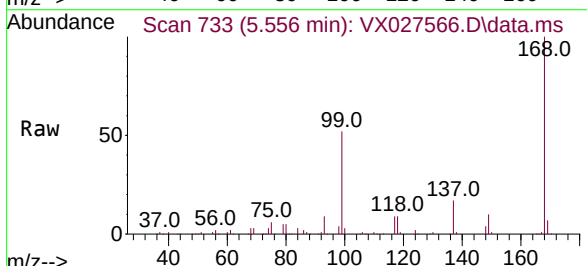
Tgt Ion: 56 Resp: 5028

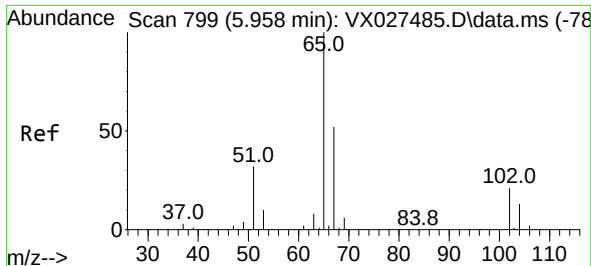
Ion Ratio Lower Upper

56 100

69 190.2 26.7 40.1#

84 174.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.859 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

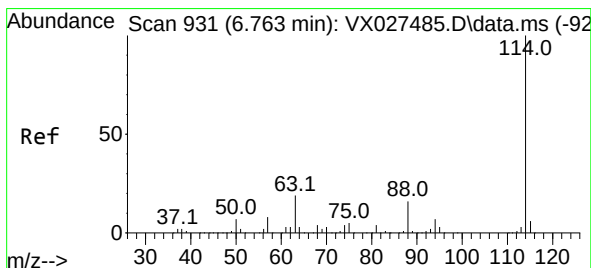
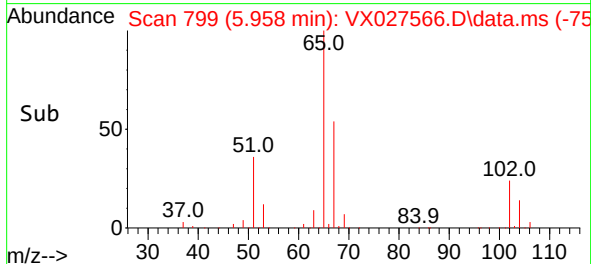
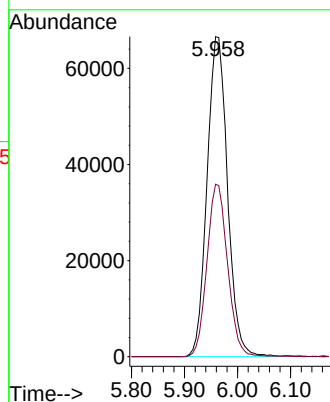
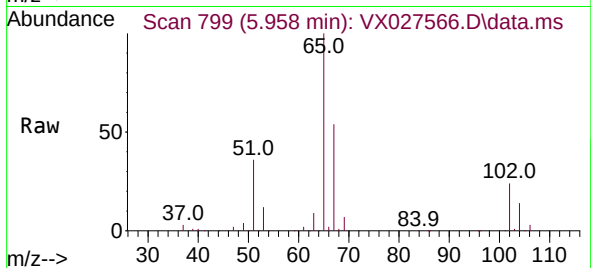
RE-139D1-20220316

Tgt Ion: 65 Resp: 178499

Ion Ratio Lower Upper

65 100

67 54.4 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: VX027566.D

Acq: 19 Mar 2022 17:32

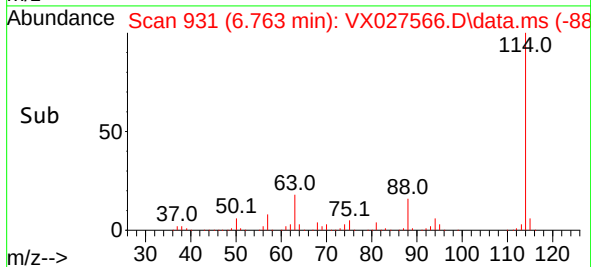
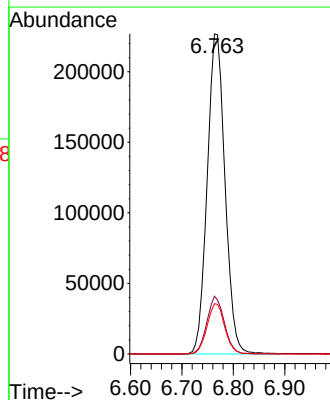
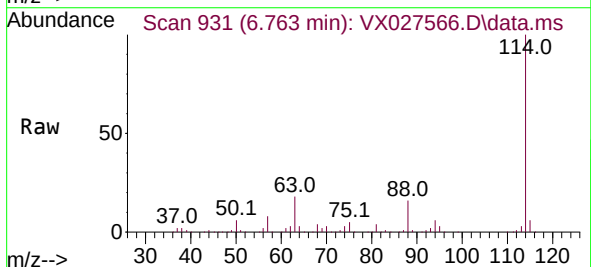
Tgt Ion: 114 Resp: 545000

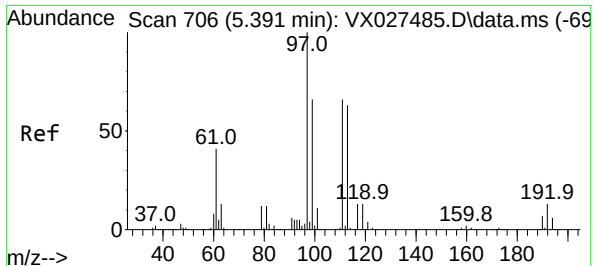
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.273 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

RE-139D1-20220316

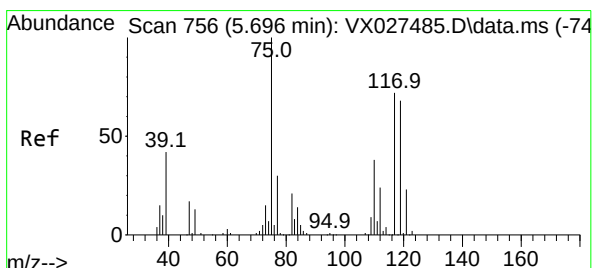
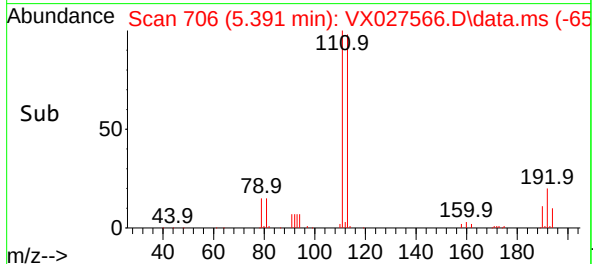
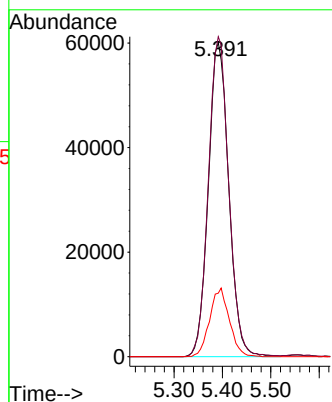
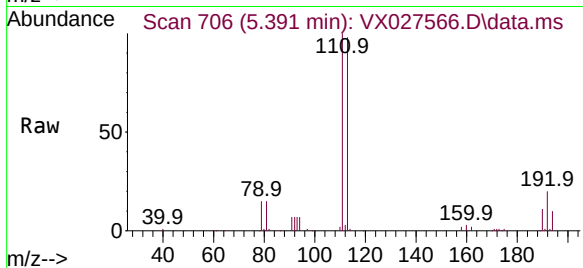
Tgt Ion:113 Resp: 176280

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 21.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

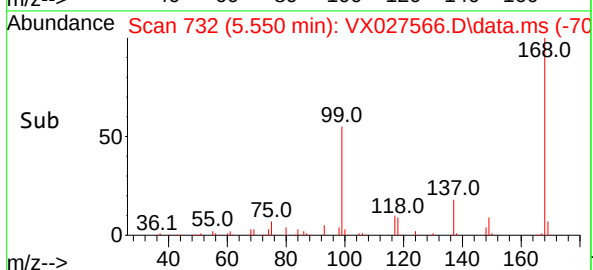
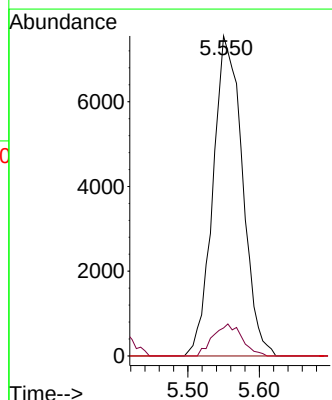
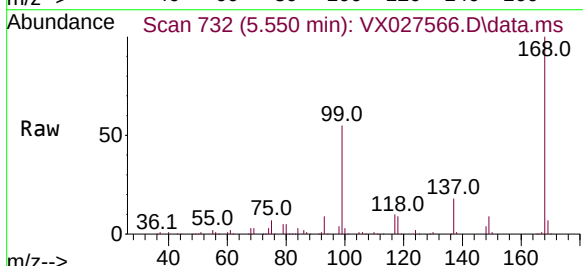
Tgt Ion: 75 Resp: 21580

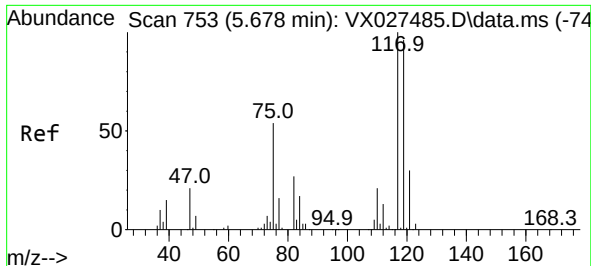
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#

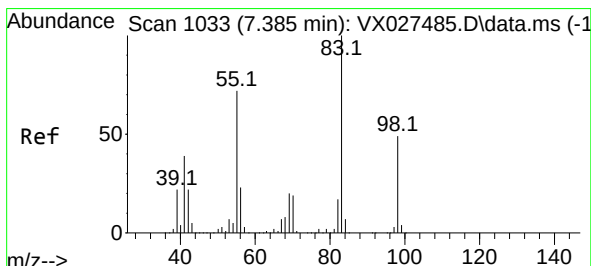
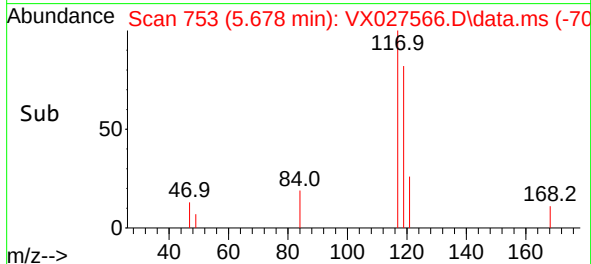
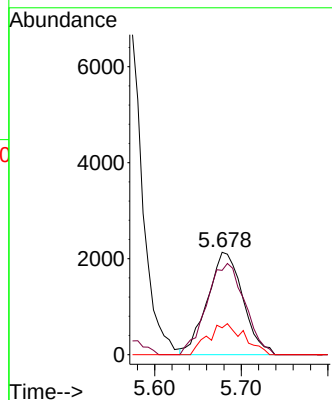
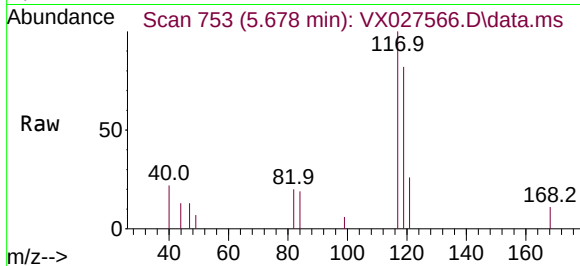




#38
Carbon Tetrachloride
Concen: 1.105 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

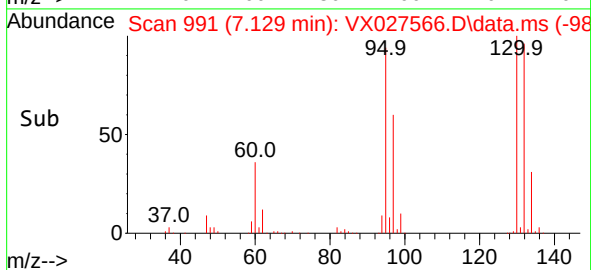
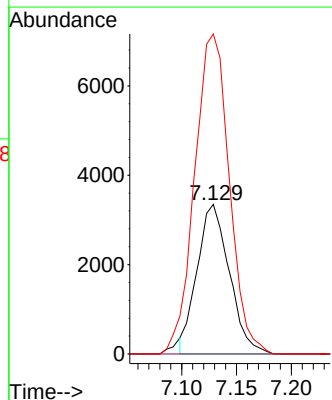
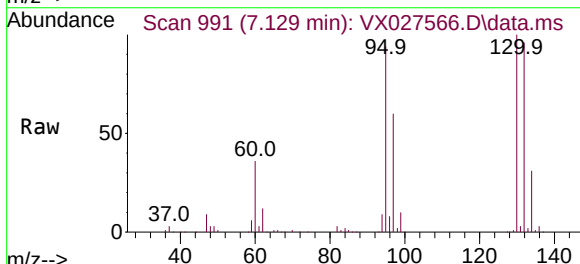
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

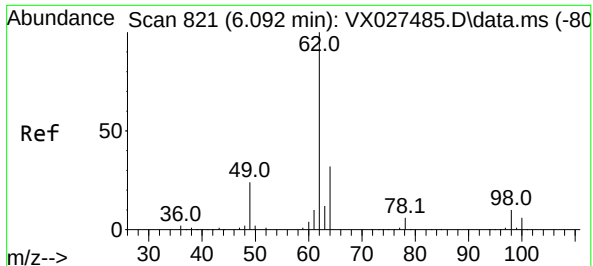
Tgt Ion:117 Resp: 6059
Ion Ratio Lower Upper
117 100
119 82.4 77.3 115.9
121 26.3 24.2 36.2



#39
Methylcyclohexane
Concen: 1.134 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 83 Resp: 6833
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 214.0 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.206 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

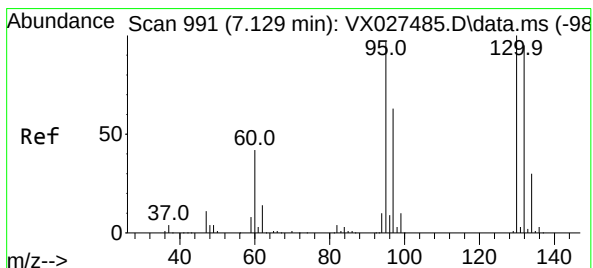
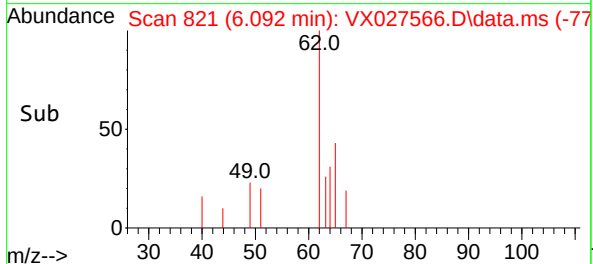
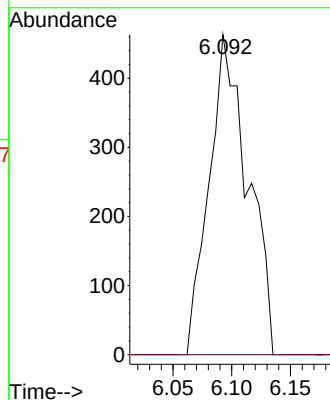
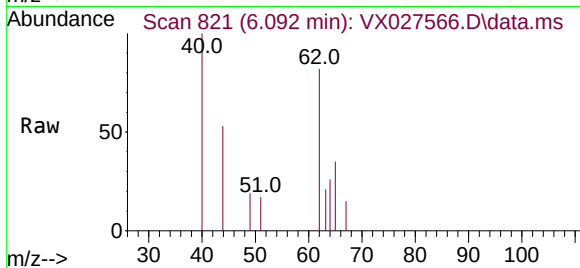
RE-139D1-20220316

Tgt Ion: 62 Resp: 1063

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#44

Trichloroethene

Concen: 162.838 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX027566.D

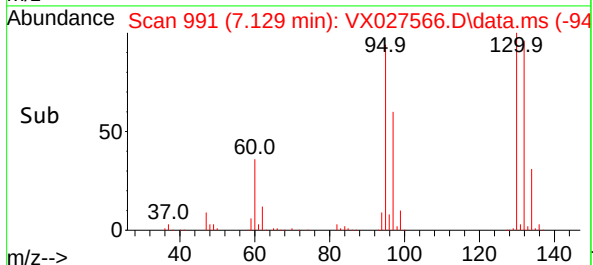
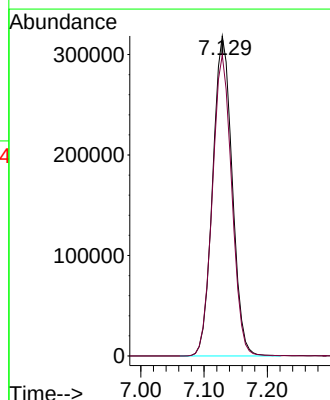
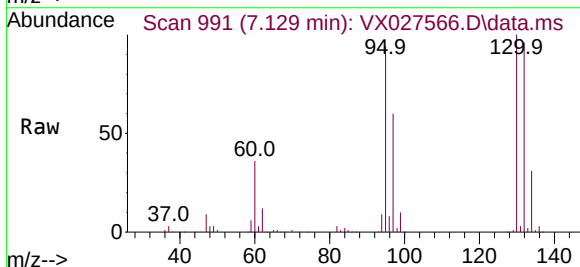
Acq: 19 Mar 2022 17:32

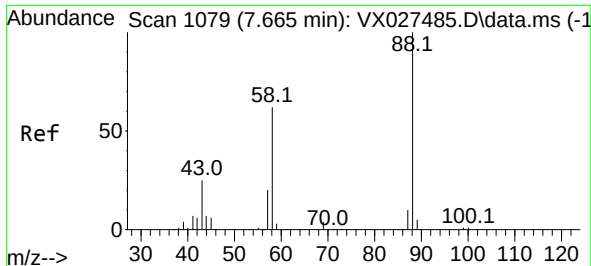
Tgt Ion:130 Resp: 679550

Ion Ratio Lower Upper

130 100

95 94.0 0.0 188.8

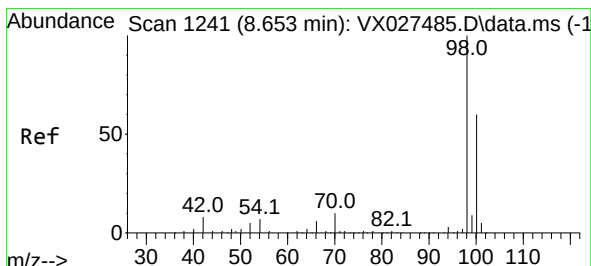
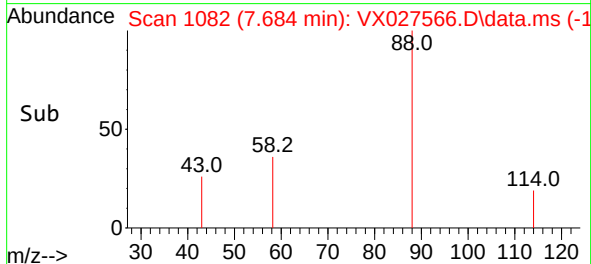
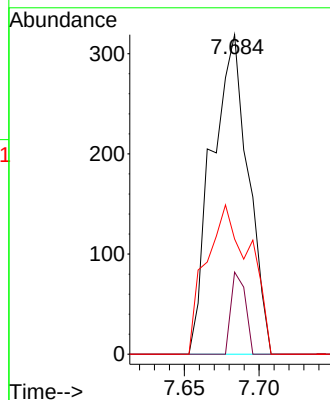
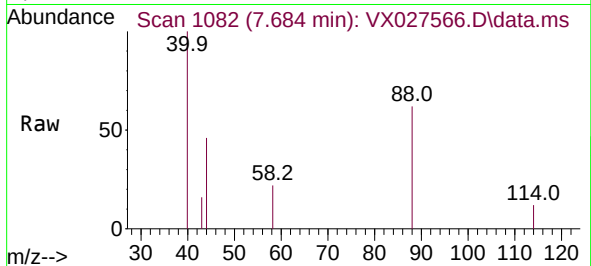




#49
1,4-Dioxane
Concen: 5.528 ug/l
RT: 7.684 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

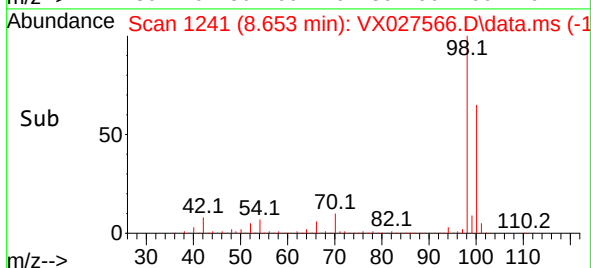
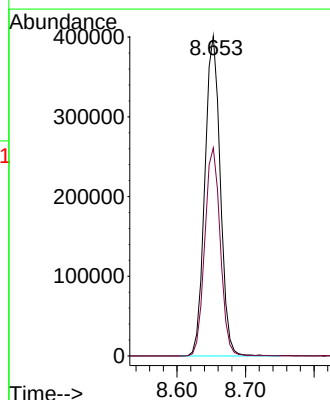
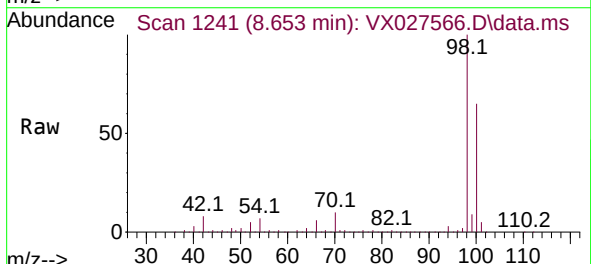
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

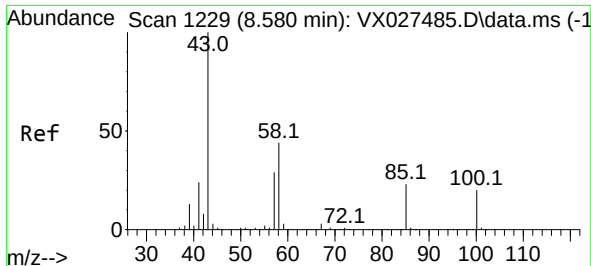
Tgt Ion: 88 Resp: 540
Ion Ratio Lower Upper
88 100
43 10.2 21.9 32.9#
58 56.5 53.7 80.5



#50
Toluene-d8
Concen: 47.490 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 98 Resp: 630135
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.388 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

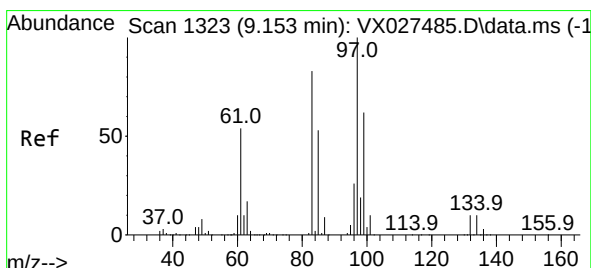
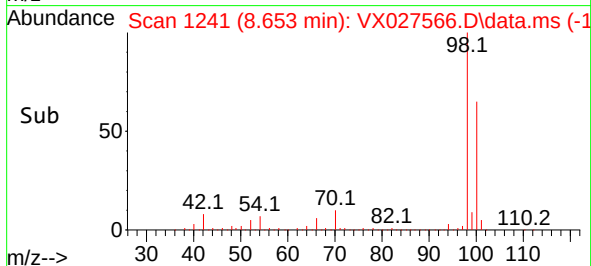
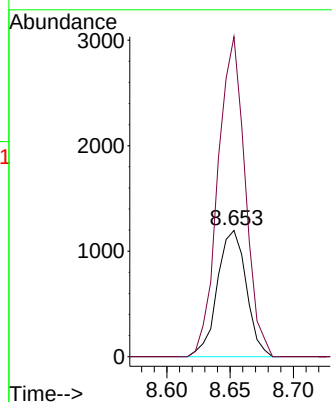
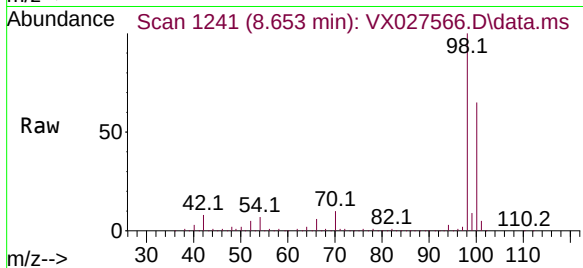
RE-139D1-20220316

Tgt Ion: 43 Resp: 1905

Ion Ratio Lower Upper

43 100

58 238.4 36.1 54.1#



#55

1,1,2-Trichloroethane

Concen: 0.959 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.006 min

Lab File: VX027566.D

Acq: 19 Mar 2022 17:32

Tgt Ion: 97 Resp: 3597

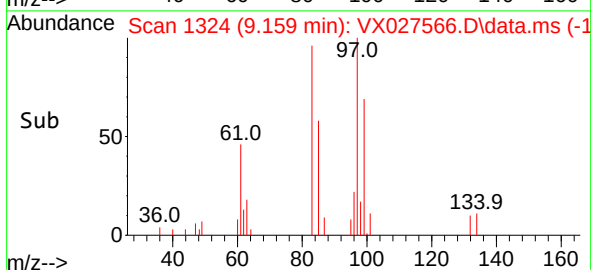
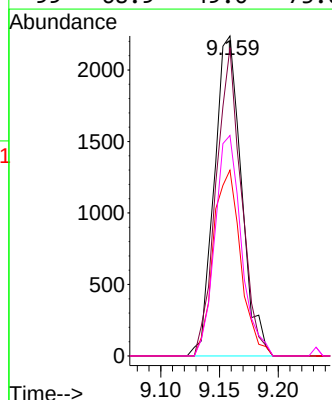
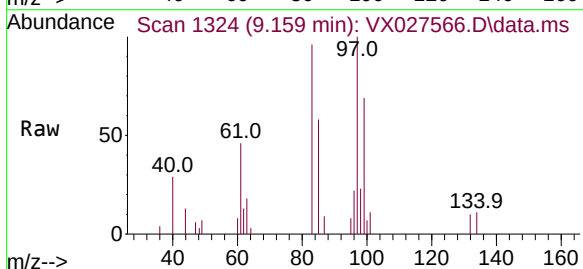
Ion Ratio Lower Upper

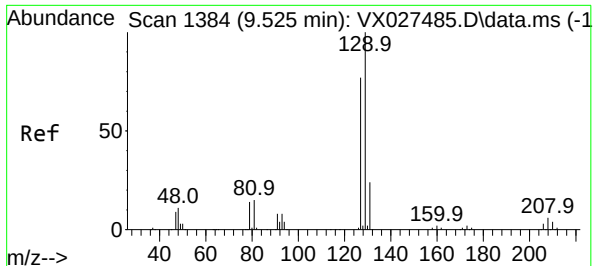
97 100

83 96.3 66.2 99.4

85 58.0 42.9 64.3

99 68.9 49.0 73.6

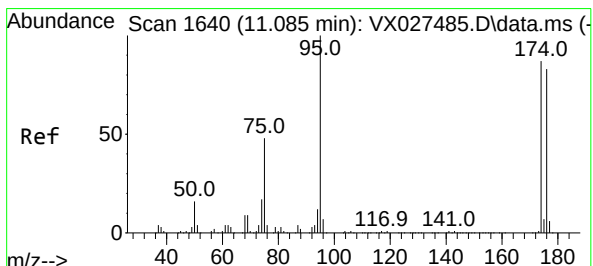
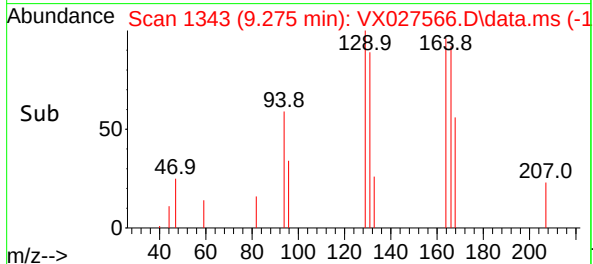
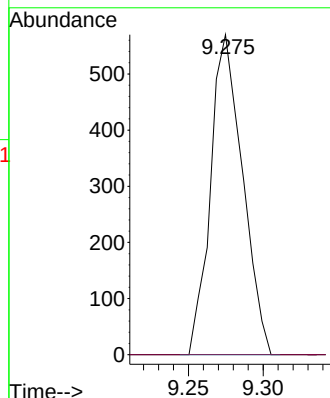
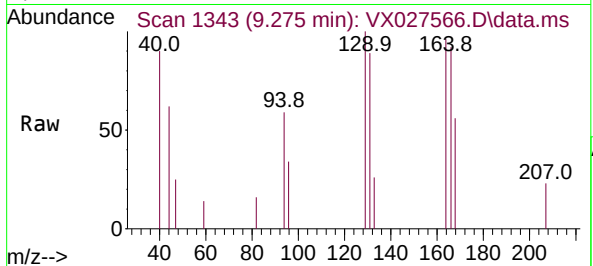




#60
Dibromochloromethane
Concen: 0.206 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

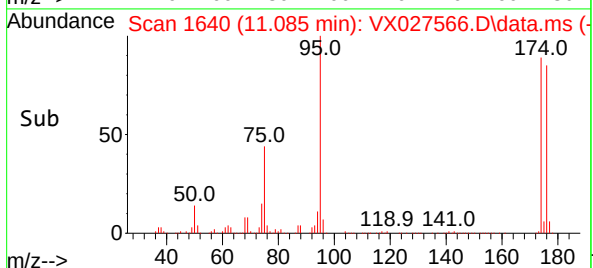
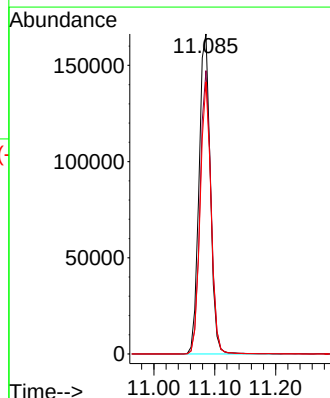
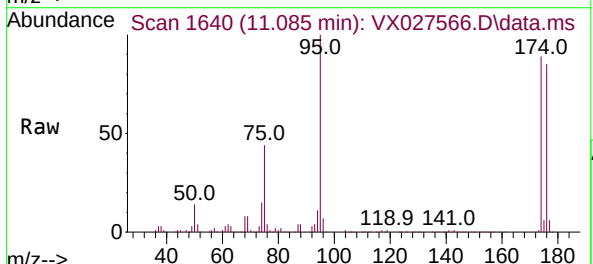
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

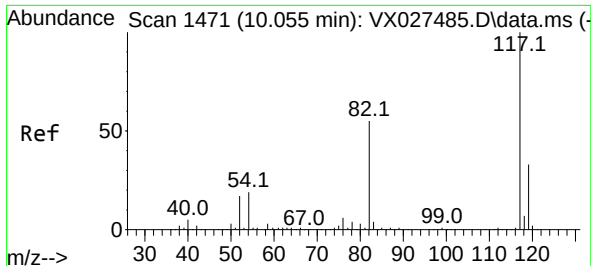
Tgt Ion:129 Resp: 850
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 43.793 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 95 Resp: 213577
Ion Ratio Lower Upper
95 100
174 85.8 0.0 163.0
176 82.0 0.0 155.0

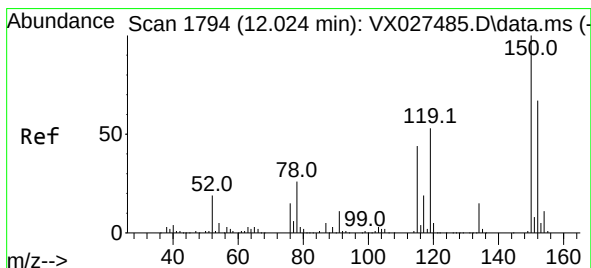
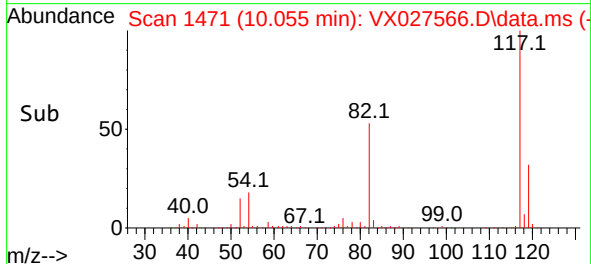
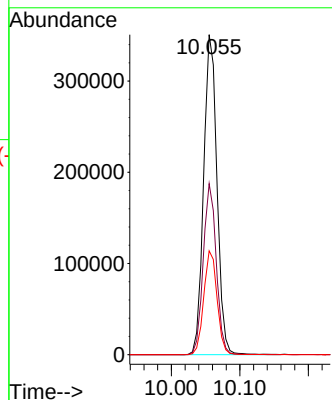
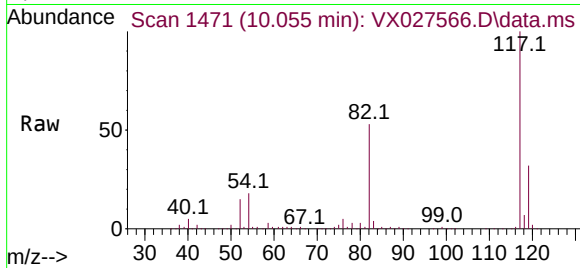




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

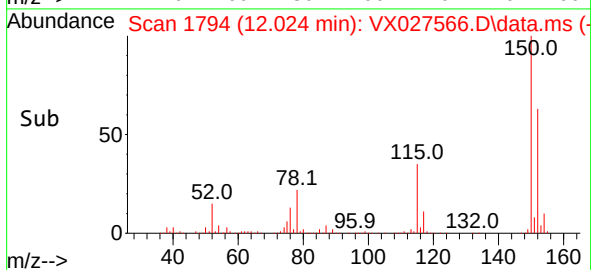
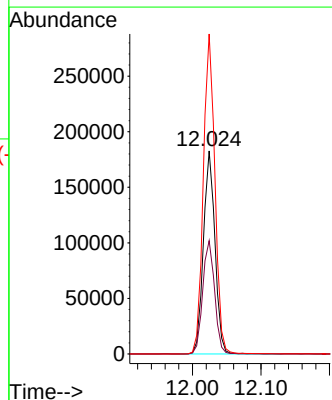
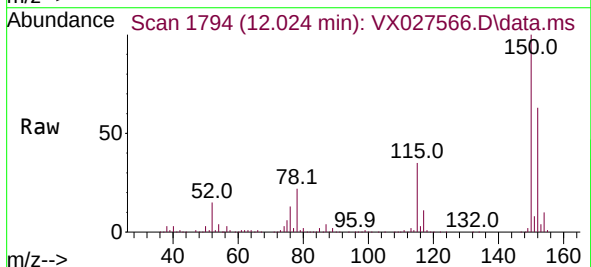
Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

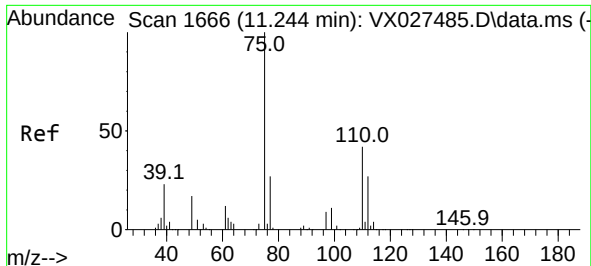
Tgt Ion:117 Resp: 475855
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion:152 Resp: 214915
Ion Ratio Lower Upper
152 100
115 57.4 37.5 112.7
150 157.8 0.0 338.2

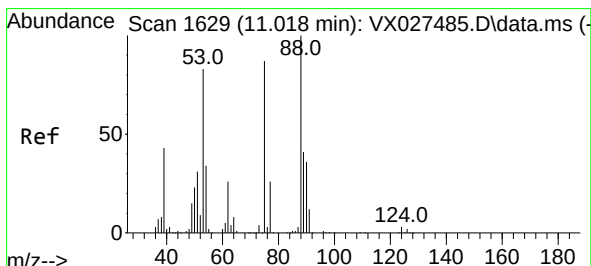
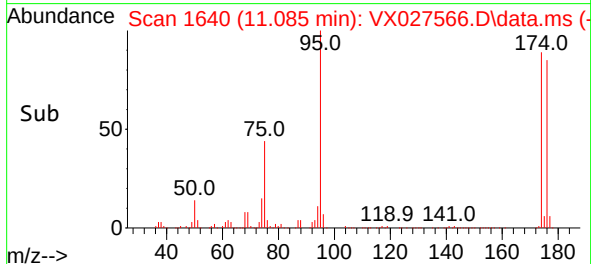
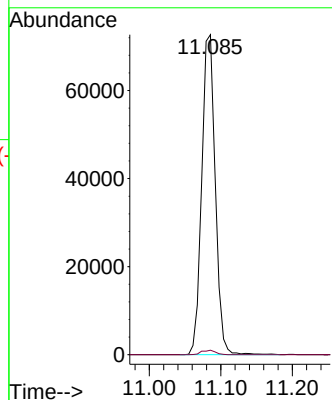
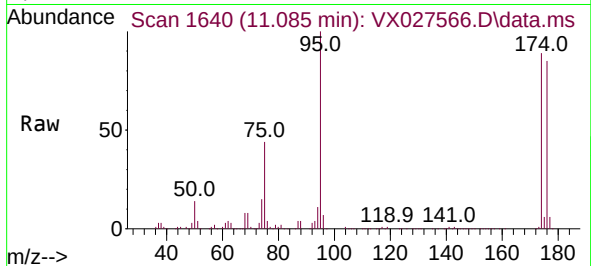




#76
1,2,3-Trichloropropane
Concen: 21.292 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE-139D1-20220316

Tgt Ion: 75 Resp: 95714
Ion Ratio Lower Upper
75 100
77 1.5 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.665 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027566.D
Acq: 19 Mar 2022 17:32

Tgt Ion: 75 Resp: 95714
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

