

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027564.D
 Acq On : 19 Mar 2022 16:45
 Operator : JC/MD
 Sample : N2000-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-134D3-20220315

Quant Time: Mar 21 01:23:50 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)

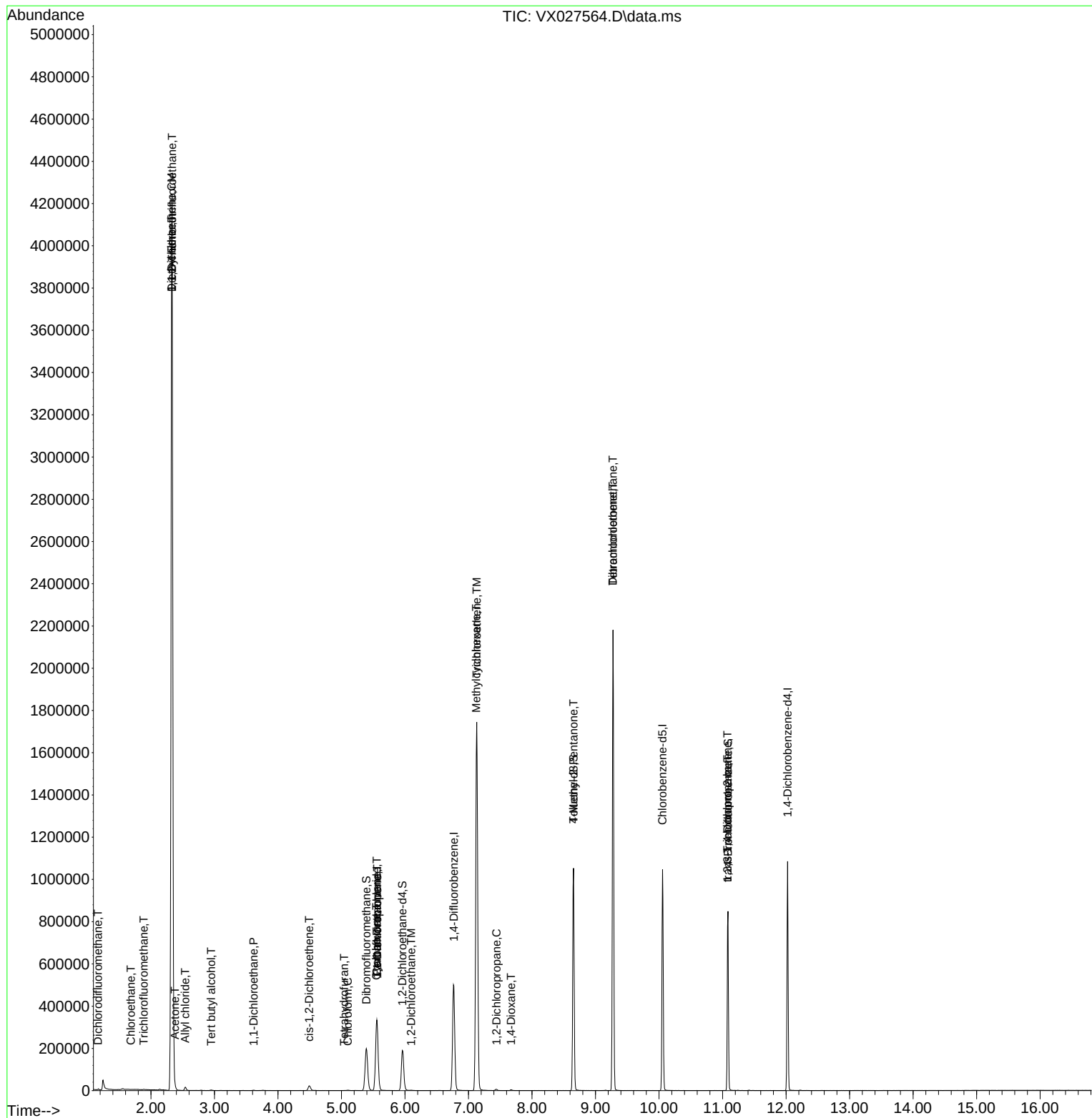
Internal Standards						
1) Pentafluorobenzene	5.556	168	342856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	560353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	525208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	238155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	183107	43.353	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	86.700%
35) Dibromofluoromethane	5.391	113	178402	49.485	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.960%
50) Toluene-d8	8.653	98	657123	48.167	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.340%
62) 4-Bromofluorobenzene	11.085	95	231594	46.186	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.380%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	964	0.293	ug/l	73
5) Bromomethane	1.611	94	590	Below Cal	#	73
6) Chloroethane	1.685	64	1334	0.644	ug/l #	43
7) Trichlorofluoromethane	1.886	101	1194	0.214	ug/l	89
8) Diethyl Ether	2.325	74	1191	0.574	ug/l #	7
9) 1,1,2-Trichlorotrifluo...	2.331	101	1693675	510.429	ug/l	94
11) Tert butyl alcohol	2.947	59	1516	1.883	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	12824	4.028	ug/l #	69
14) Allyl chloride	2.538	41	1889	0.379	ug/l #	66
16) Acetone	2.380	43	3402	1.976	ug/l	96
24) 1,1-Dichloroethane	3.617	63	1752	0.296	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	15468	3.928	ug/l	84
29) Tetrahydrofuran	5.044	42	352	0.212	ug/l #	39
30) Chloroform	5.099	83	2137	0.327	ug/l	100
31) Cyclohexane	5.550	56	5334	1.017	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22265	4.519	ug/l #	49
38) Carbon Tetrachloride	5.556	117	31963	5.671	ug/l #	16
39) Methylcyclohexane	7.123	83	7496	1.210	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	1460	0.276	ug/l	97
44) Trichloroethene	7.129	130	734589	171.203	ug/l	99
45) 1,2-Dichloropropane	7.440	63	2821	0.784	ug/l #	80
49) 1,4-Dioxane	7.671	88	2892	28.796	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	2123	0.421	ug/l #	1
60) Dibromochloromethane	9.275	129	414944	97.741	ug/l #	9
64) Tetrachloroethene	9.275	164	442127	108.269	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	103936	20.865	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	103936	63.367	ug/l #	15

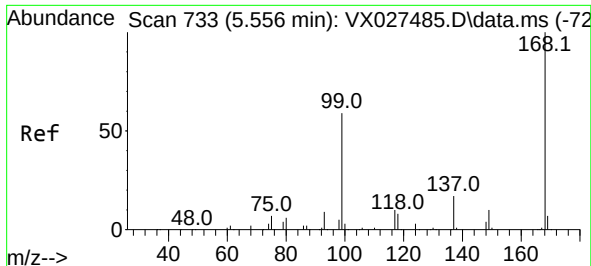
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
Data File : VX027564.D
Acq On : 19 Mar 2022 16:45
Operator : JC/MD
Sample : N2000-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

Quant Time: Mar 21 01:23:50 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

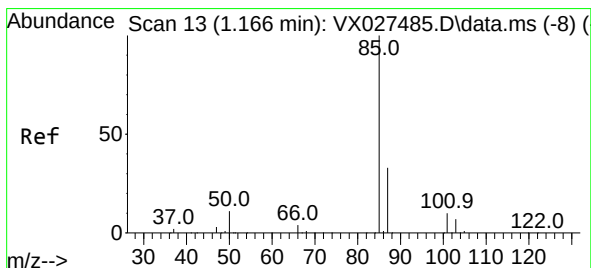
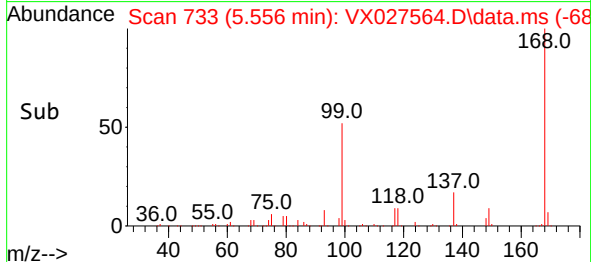
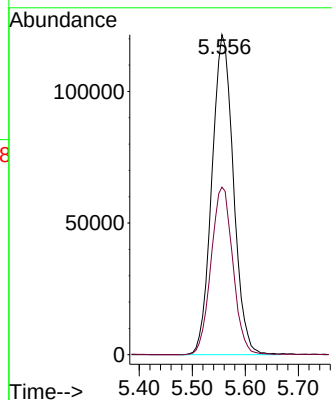
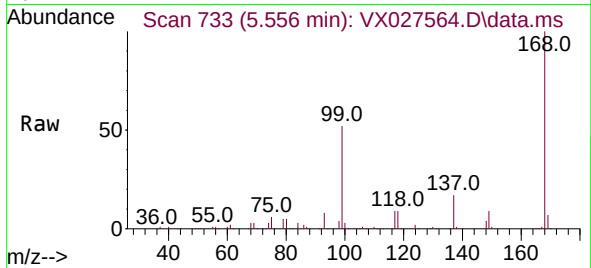




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

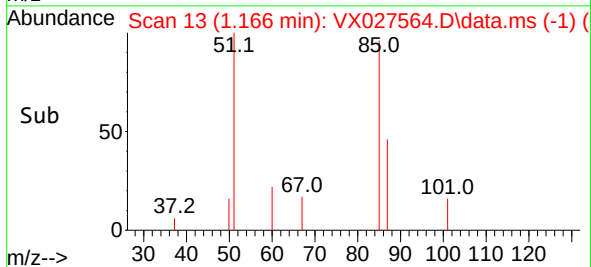
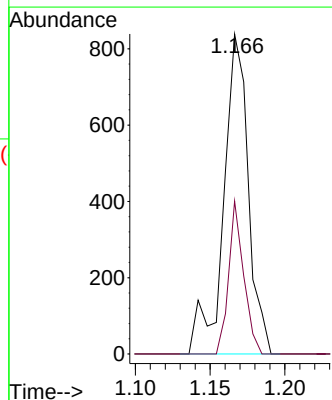
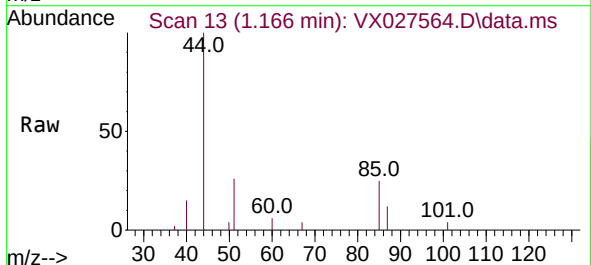
Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

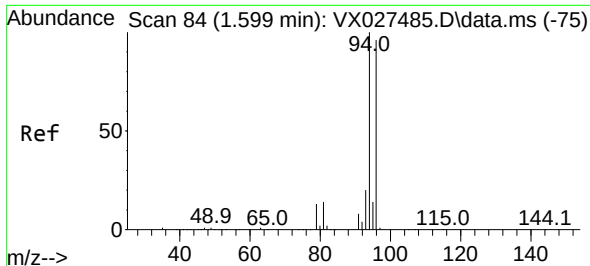
Tgt Ion:168 Resp: 342856
Ion Ratio Lower Upper
168 100
99 52.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.293 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Tgt Ion: 85 Resp: 964
Ion Ratio Lower Upper
85 100
87 47.8 16.2 48.6

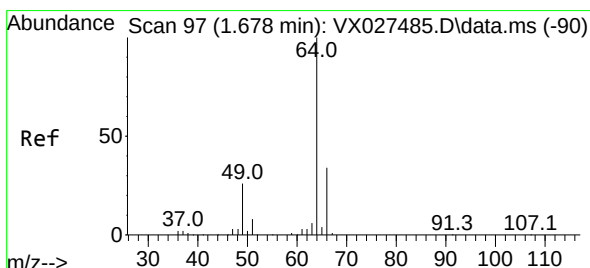
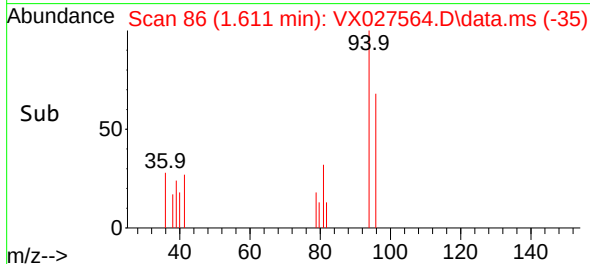
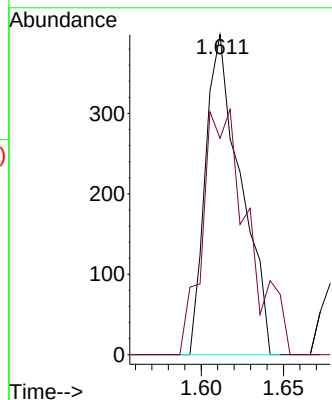
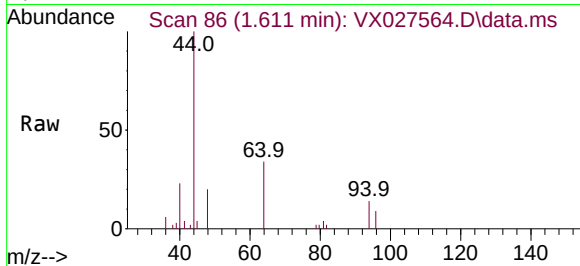




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

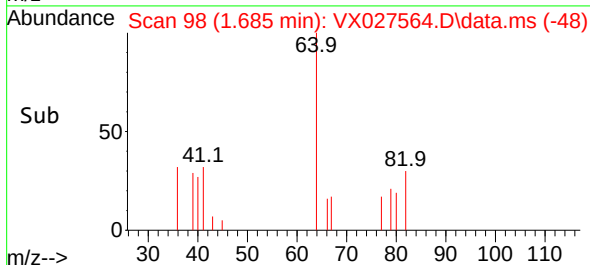
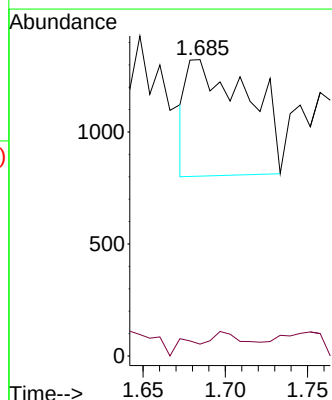
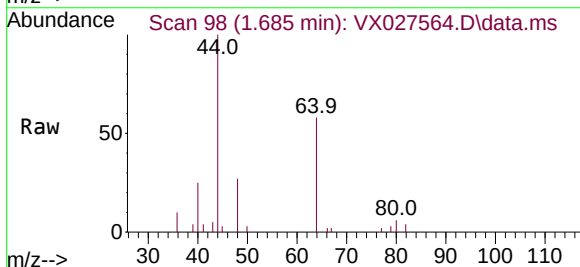
Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

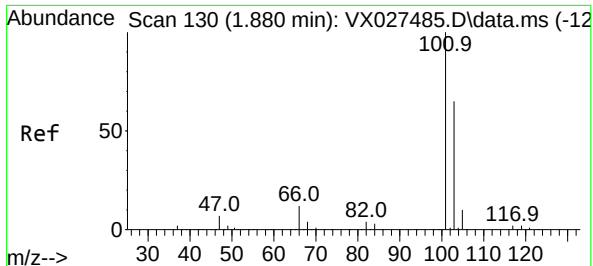
Tgt Ion: 94 Resp: 590
Ion Ratio Lower Upper
94 100
96 67.6 75.3 112.9#



#6
Chloroethane
Concen: 0.644 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Tgt Ion: 64 Resp: 1334
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

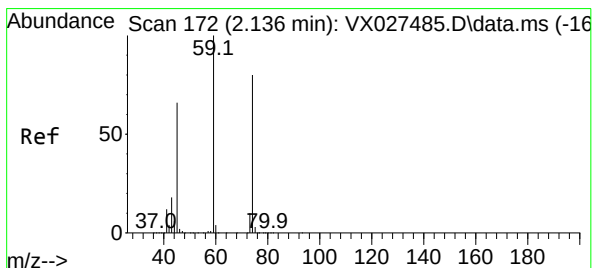
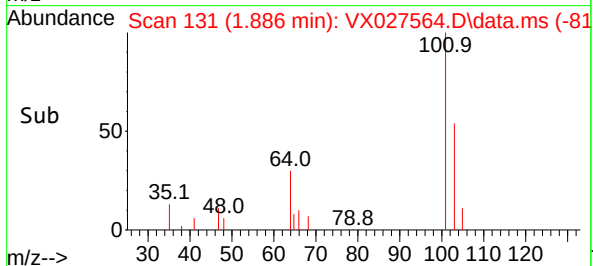
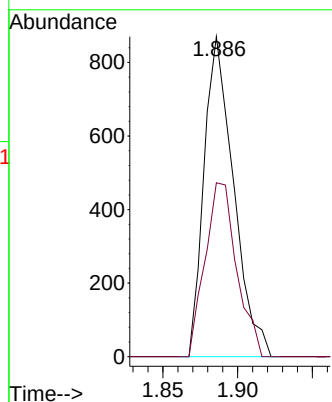
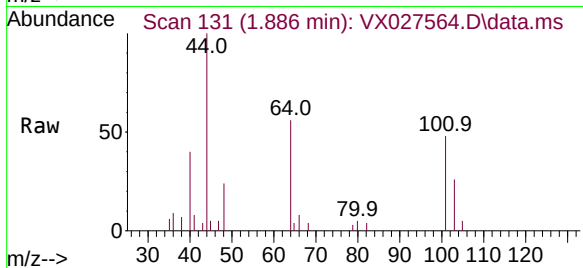




#7
Trichlorofluoromethane
Concen: 0.214 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

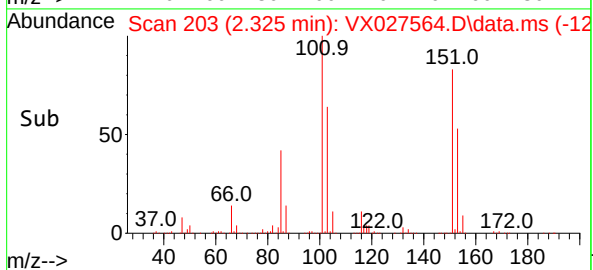
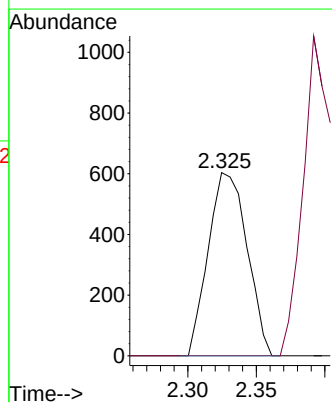
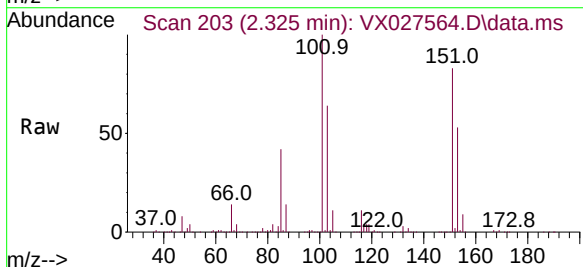
Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

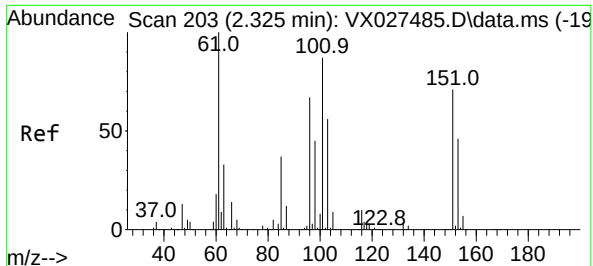
Tgt Ion:101 Resp: 1194
Ion Ratio Lower Upper
101 100
103 54.4 50.5 75.7



#8
Diethyl Ether
Concen: 0.574 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.189 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Tgt Ion: 74 Resp: 1191
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#

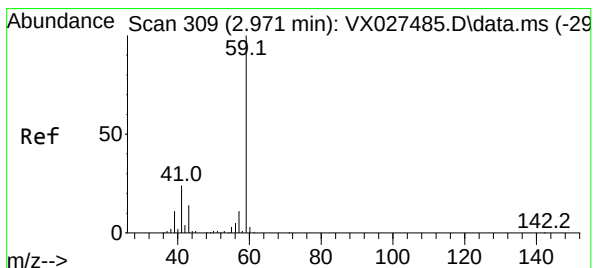
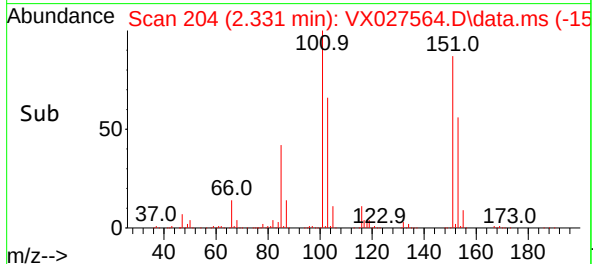
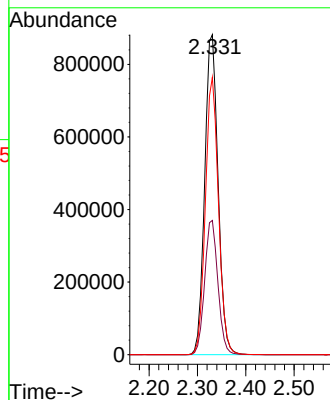
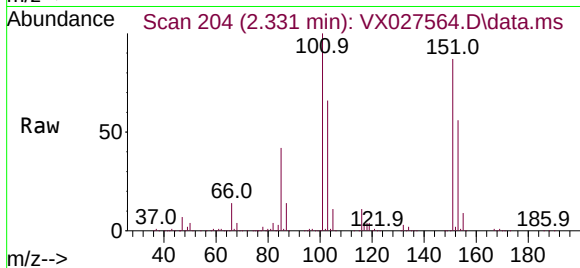




#9
1,1,2-Trichlorotrifluoroethane
Concen: 510.429 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

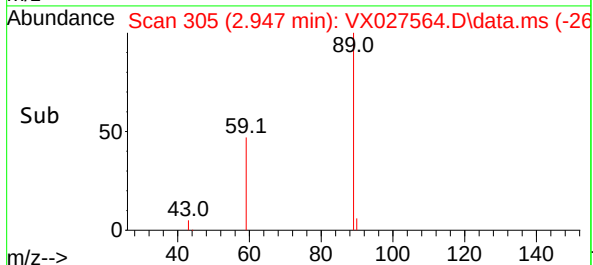
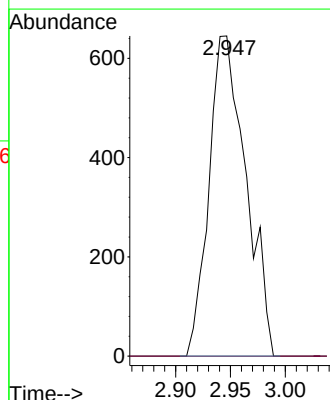
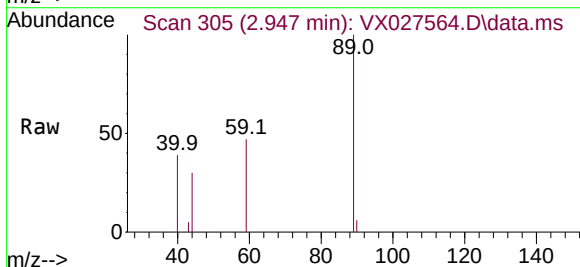
Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

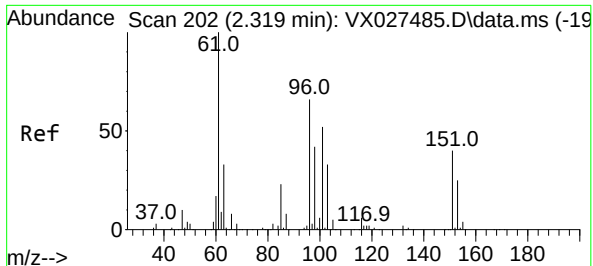
Tgt Ion:101 Resp: 1693675
Ion Ratio Lower Upper
101 100
85 41.7 33.5 50.3
151 85.1 61.8 92.6



#11
Tert butyl alcohol
Concen: 1.883 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Tgt Ion: 59 Resp: 1516
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 4.028 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

RE-134D3-20220315

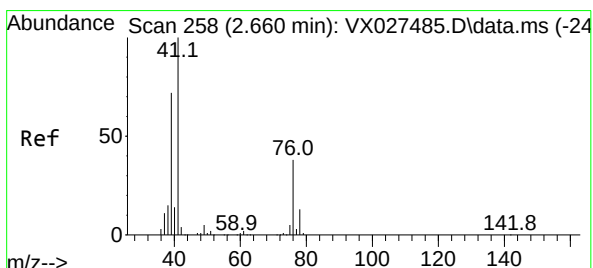
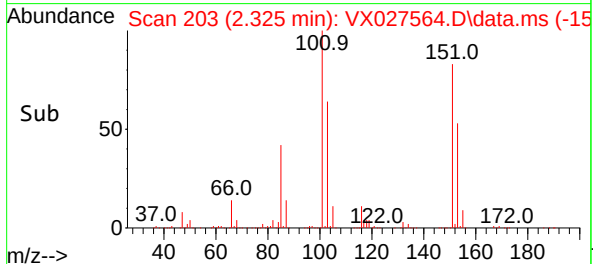
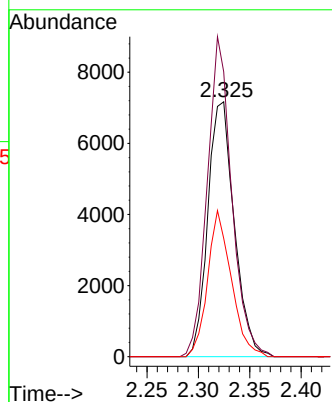
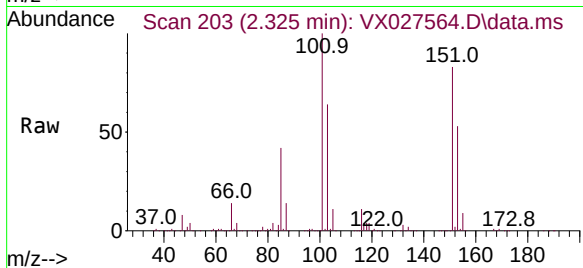
Tgt Ion: 96 Resp: 12824

Ion Ratio Lower Upper

96 100

61 111.7 124.6 187.0#

98 46.4 51.0 76.4#



#14

Allyl chloride

Concen: 0.379 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.122 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

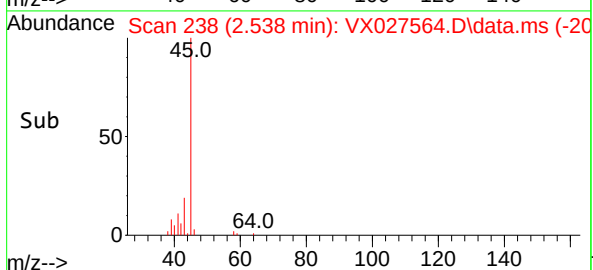
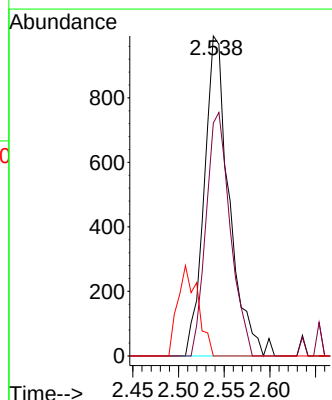
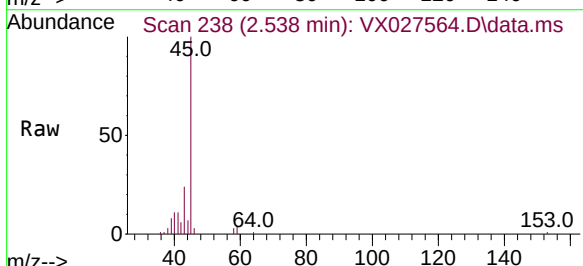
Tgt Ion: 41 Resp: 1889

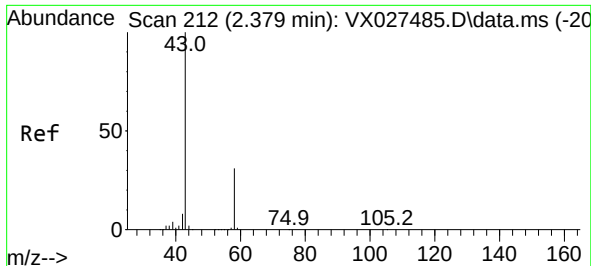
Ion Ratio Lower Upper

41 100

39 73.4 50.4 75.6

76 0.0 32.7 49.1#





#16

Acetone

Concen: 1.976 ug/l

RT: 2.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

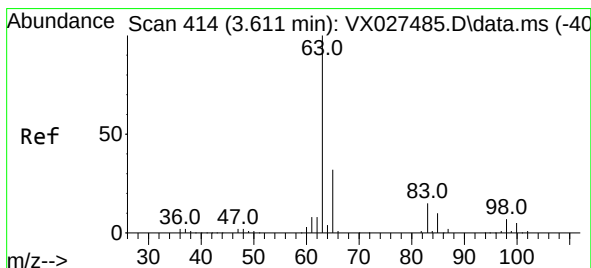
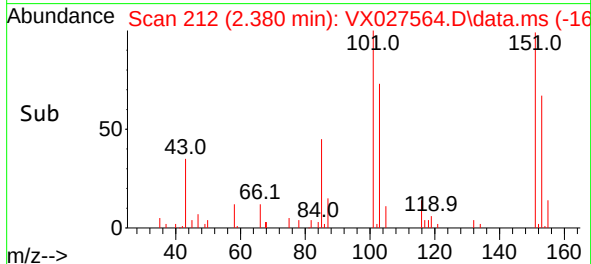
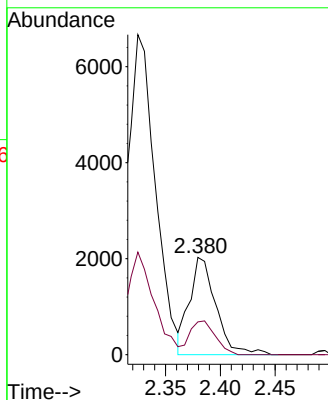
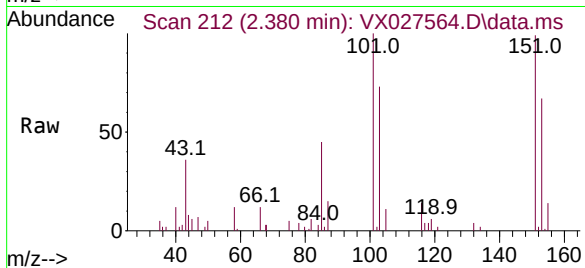
RE-134D3-20220315

Tgt Ion: 43 Resp: 3402

Ion Ratio Lower Upper

43 100

58 33.7 28.8 43.2



#24

1,1-Dichloroethane

Concen: 0.296 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

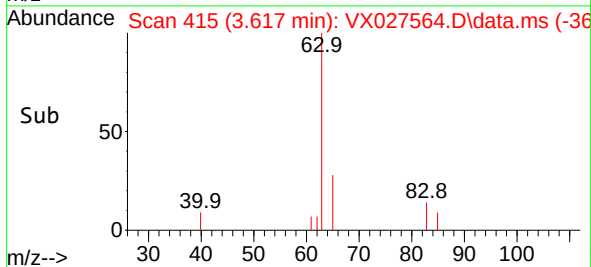
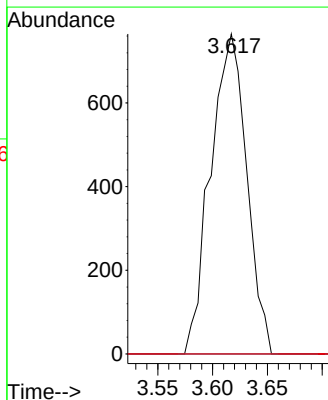
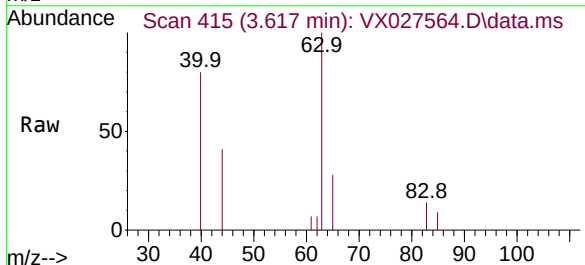
Tgt Ion: 63 Resp: 1752

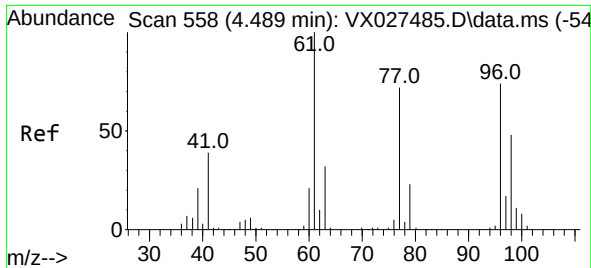
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.7#

100 0.0 2.4 7.2#





#27

cis-1,2-Dichloroethene

Concen: 3.928 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

RE-134D3-20220315

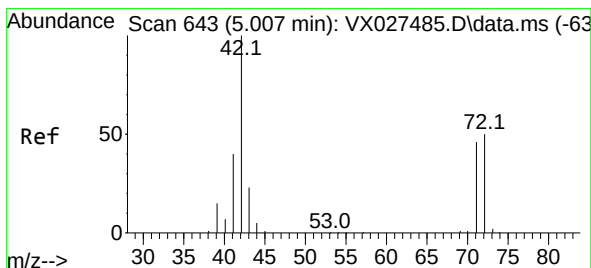
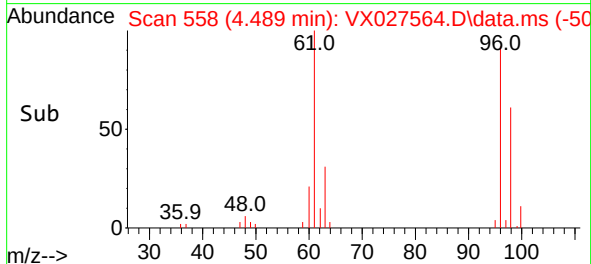
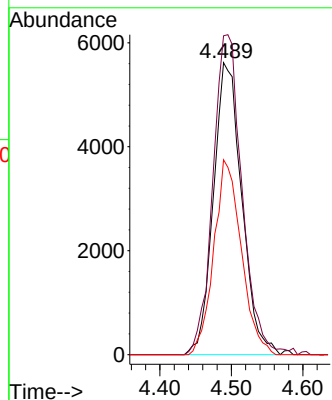
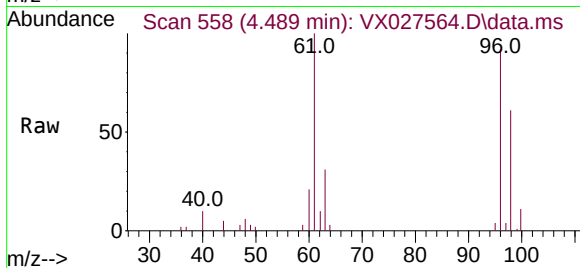
Tgt Ion: 96 Resp: 15468

Ion Ratio Lower Upper

96 100

61 113.2 0.0 283.8

98 64.7 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.037 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

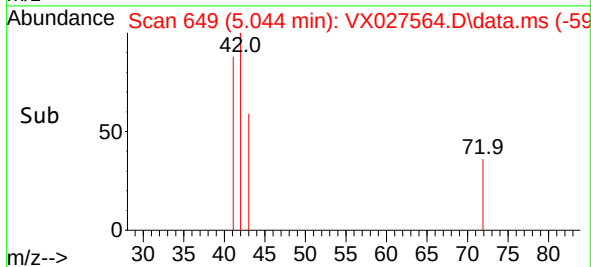
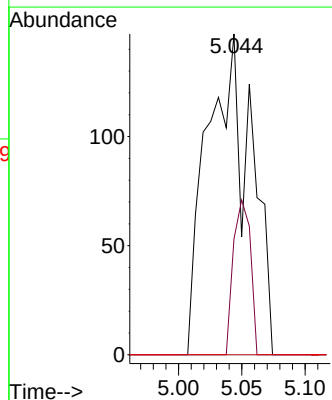
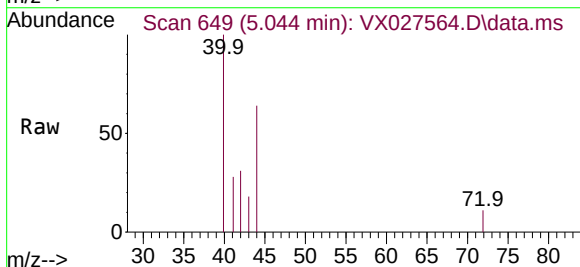
Tgt Ion: 42 Resp: 352

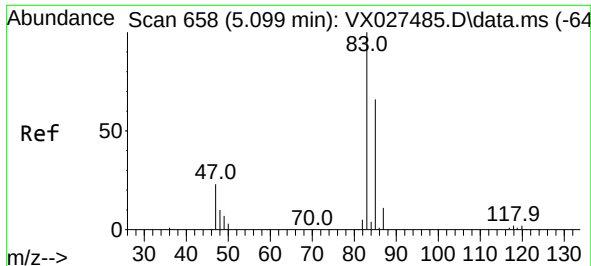
Ion Ratio Lower Upper

42 100

72 19.0 44.1 66.1#

71 0.0 40.5 60.7#





#30

Chloroform

Concen: 0.327 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

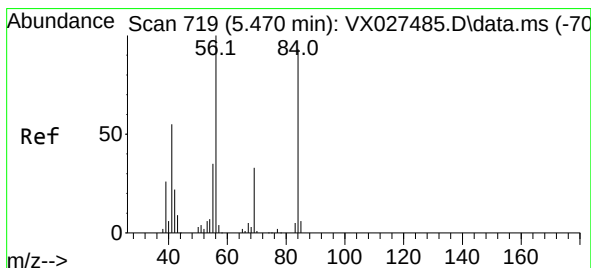
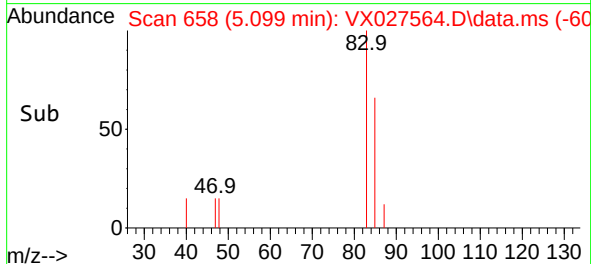
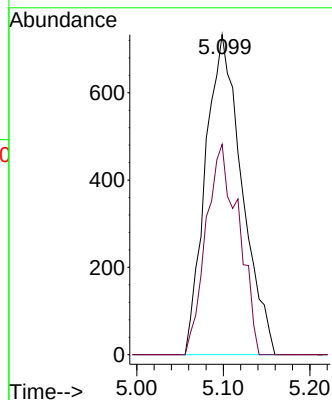
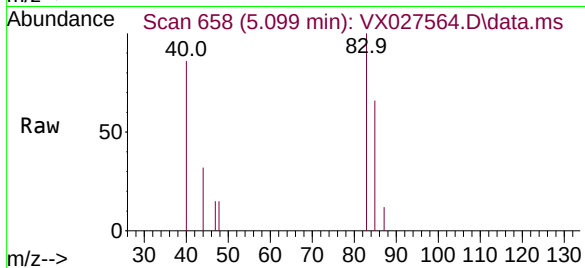
RE-134D3-20220315

Tgt Ion: 83 Resp: 2137

Ion Ratio Lower Upper

83 100

85 65.8 52.7 79.1



#31

Cyclohexane

Concen: 1.017 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

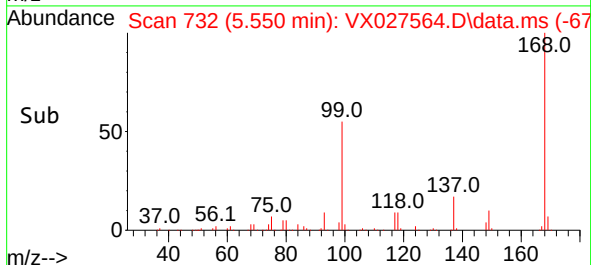
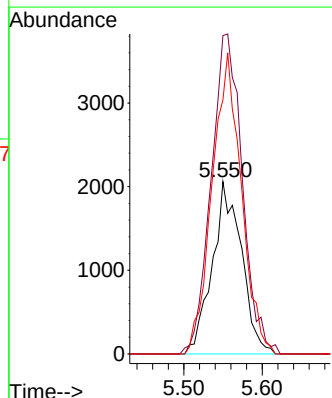
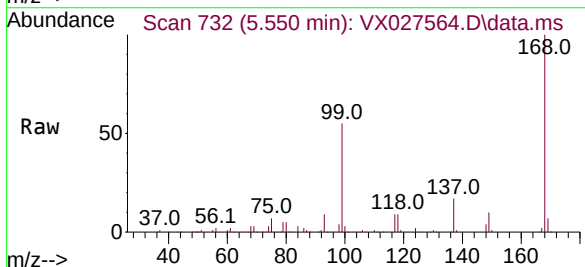
Tgt Ion: 56 Resp: 5334

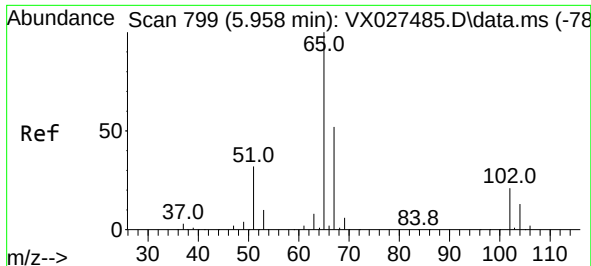
Ion Ratio Lower Upper

56 100

69 184.8 26.7 40.1#

84 147.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.353 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

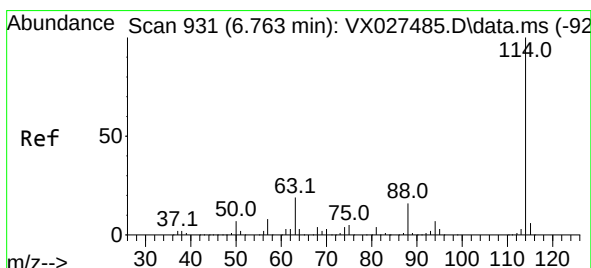
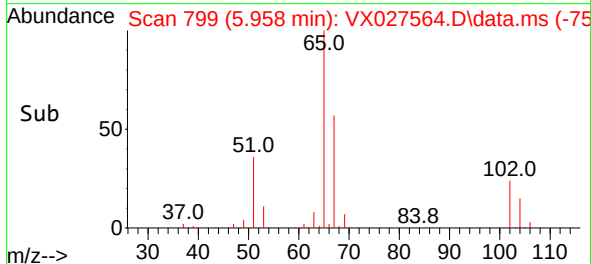
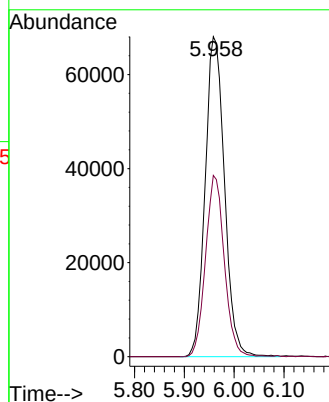
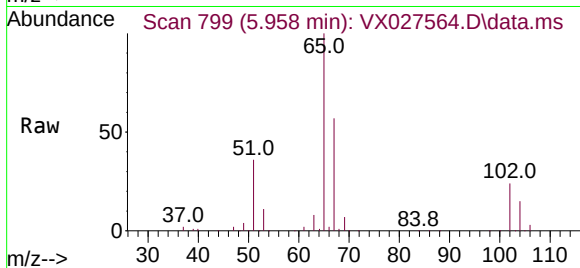
RE-134D3-20220315

Tgt Ion: 65 Resp: 183107

Ion Ratio Lower Upper

65 100

67 55.1 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: VX027564.D

Acq: 19 Mar 2022 16:45

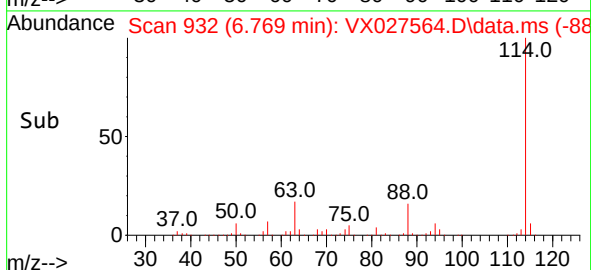
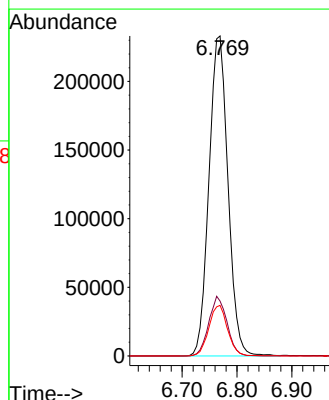
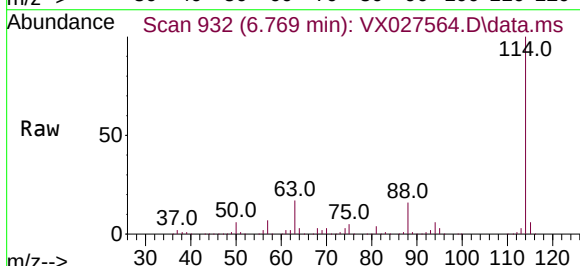
Tgt Ion: 114 Resp: 560353

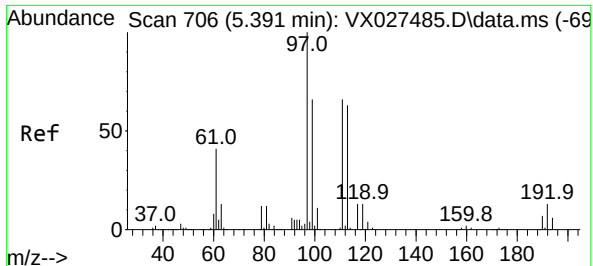
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.485 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

RE-134D3-20220315

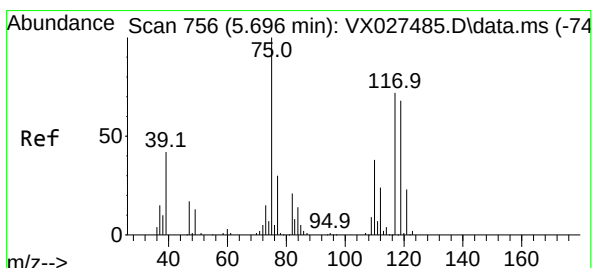
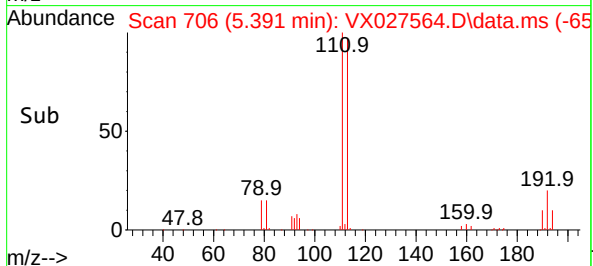
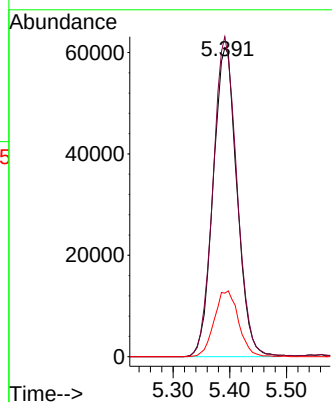
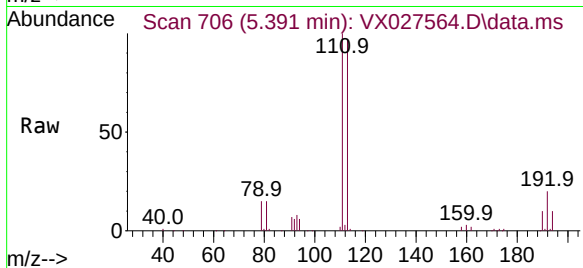
Tgt Ion:113 Resp: 178402

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 21.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.519 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

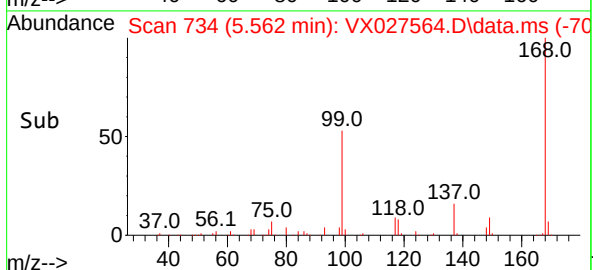
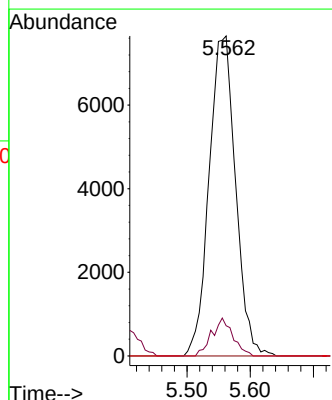
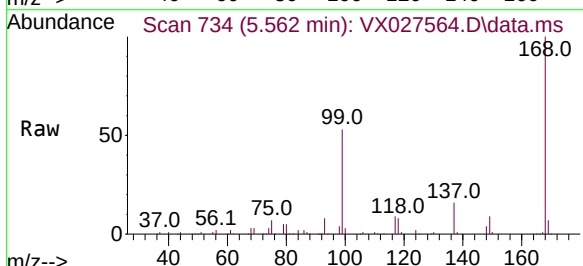
Tgt Ion: 75 Resp: 22265

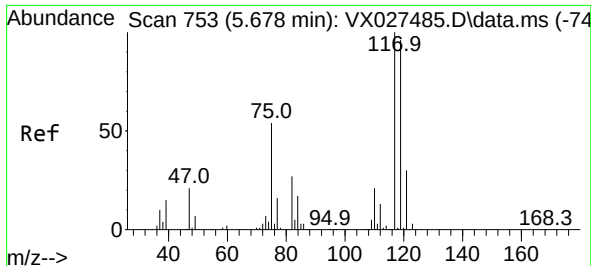
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

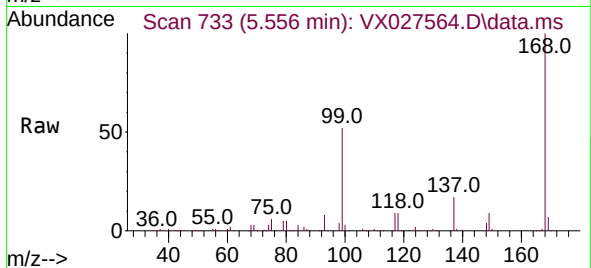
77 0.0 24.8 37.2#



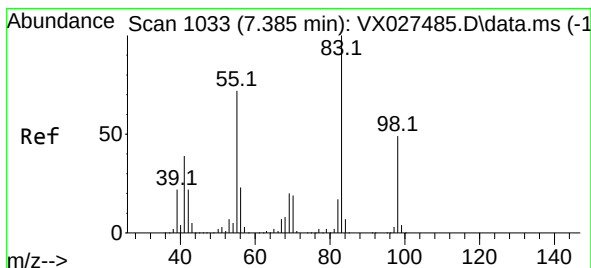
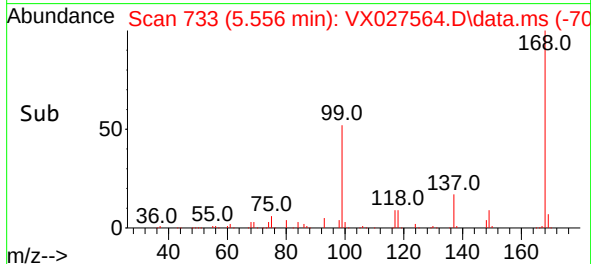
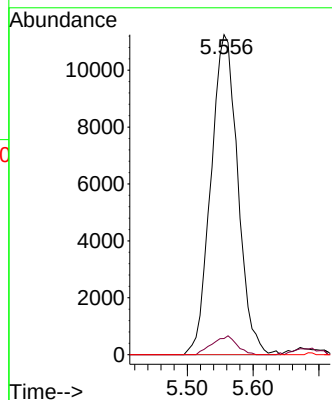


#38
Carbon Tetrachloride
Concen: 5.671 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

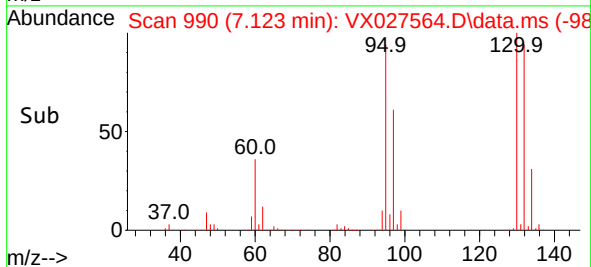
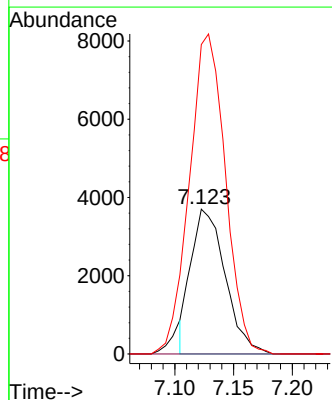
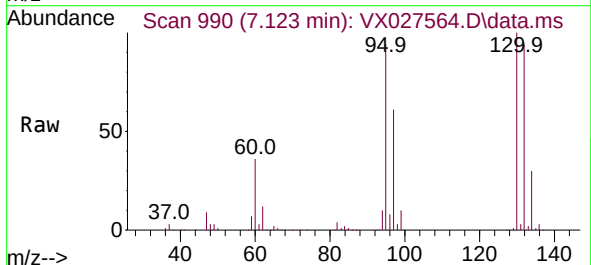


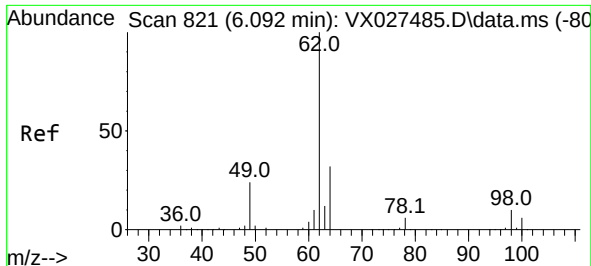
Tgt Ion:117 Resp: 31963
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.210 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Tgt Ion: 83 Resp: 7496
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 213.6 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.276 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

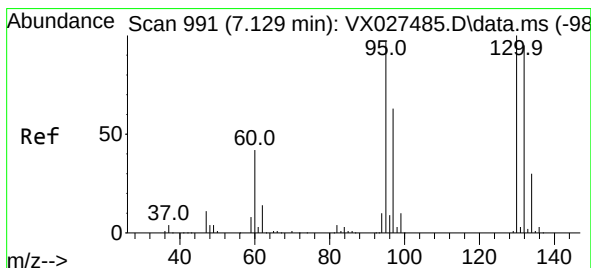
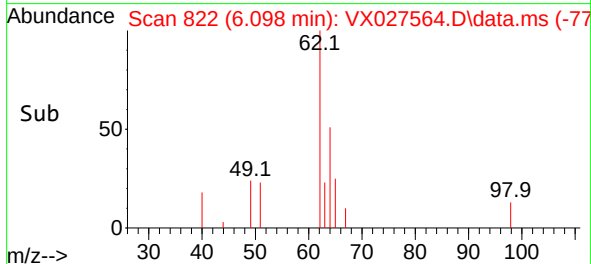
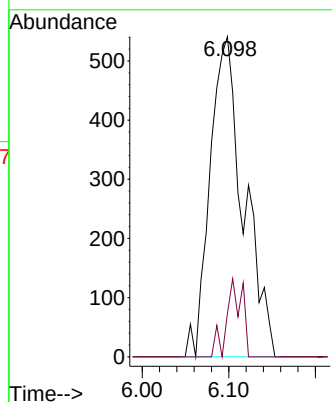
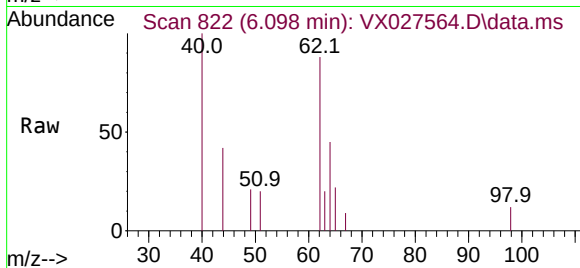
RE-134D3-20220315

Tgt Ion: 62 Resp: 1460

Ion Ratio Lower Upper

62 100

98 11.3 0.0 20.4



#44

Trichloroethene

Concen: 171.203 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX027564.D

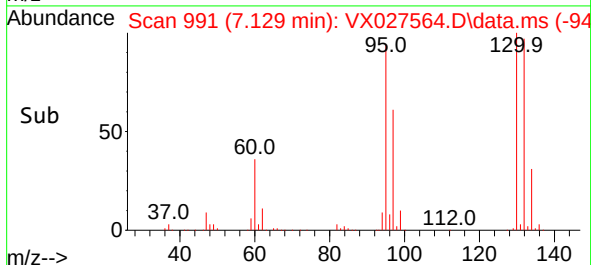
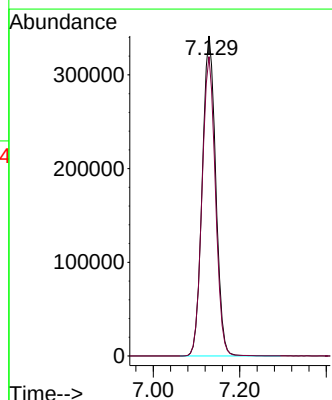
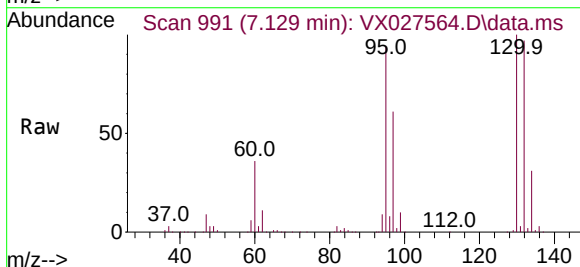
Acq: 19 Mar 2022 16:45

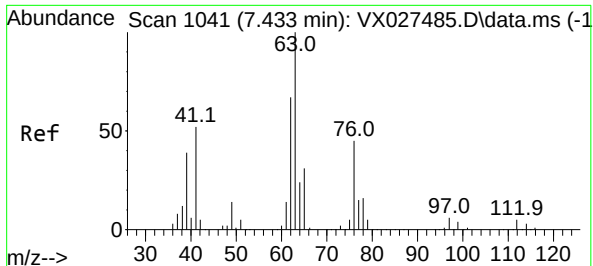
Tgt Ion:130 Resp: 734589

Ion Ratio Lower Upper

130 100

95 93.6 0.0 188.8





#45

1,2-Dichloropropane

Concen: 0.784 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

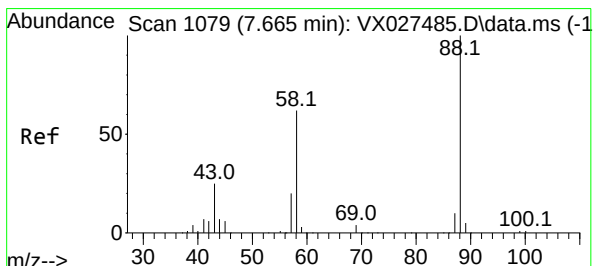
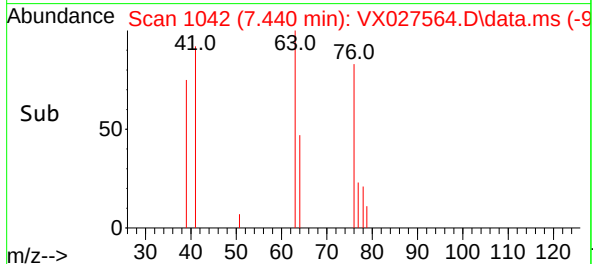
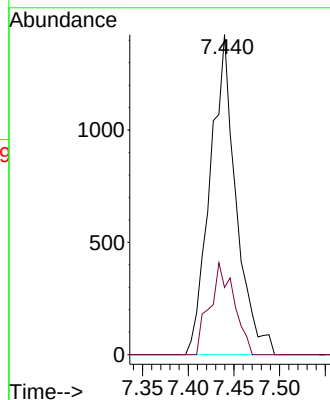
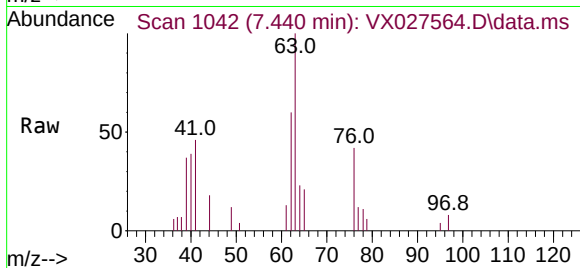
RE-134D3-20220315

Tgt Ion: 63 Resp: 2821

Ion Ratio Lower Upper

63 100

65 21.0 25.8 38.6#



#49

1,4-Dioxane

Concen: 28.796 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX027564.D

Acq: 19 Mar 2022 16:45

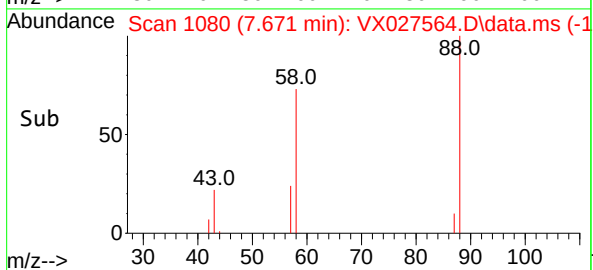
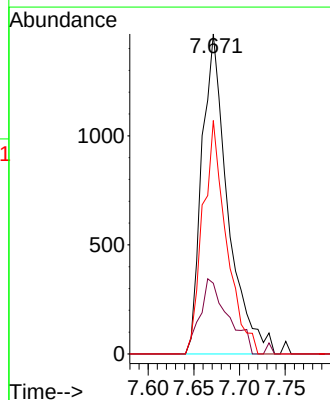
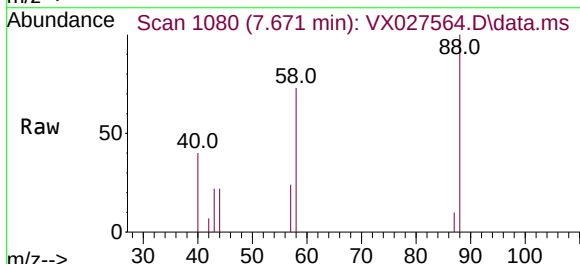
Tgt Ion: 88 Resp: 2892

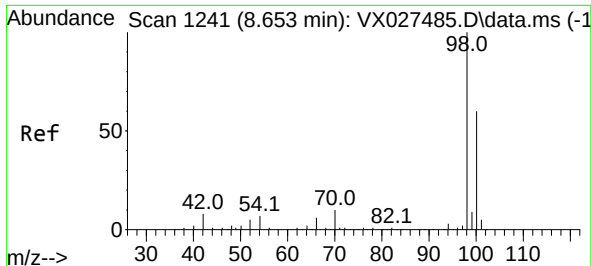
Ion Ratio Lower Upper

88 100

43 25.3 21.9 32.9

58 66.4 53.7 80.5

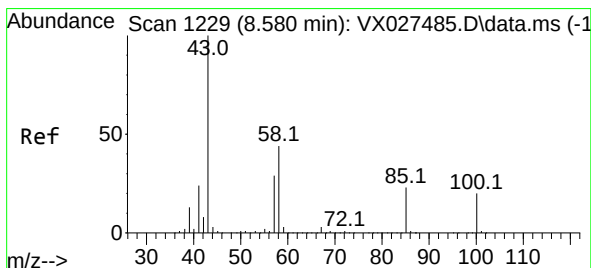
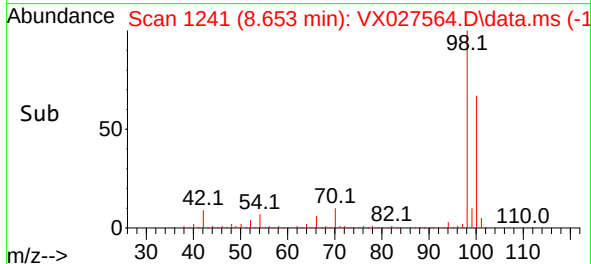
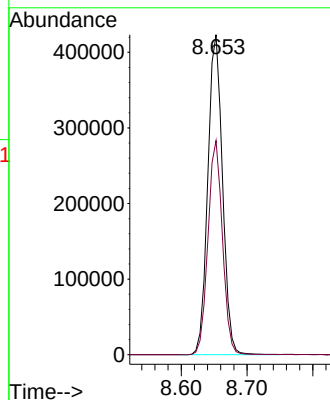
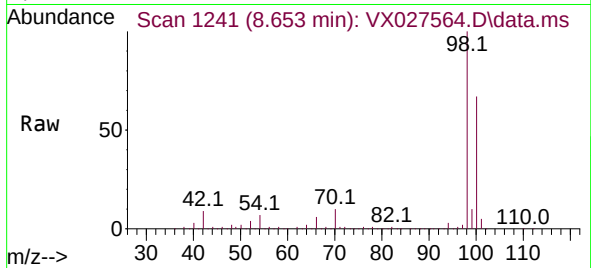




#50
Toluene-d8
Concen: 48.167 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

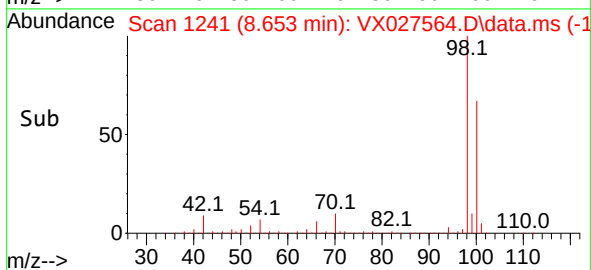
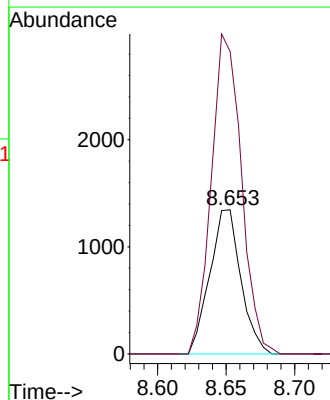
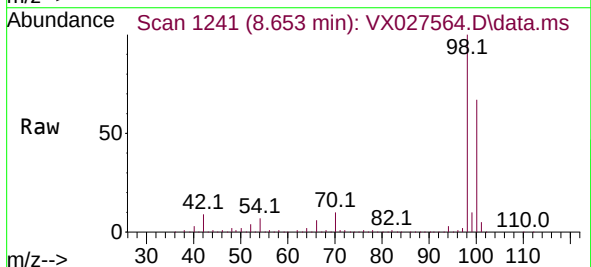
Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

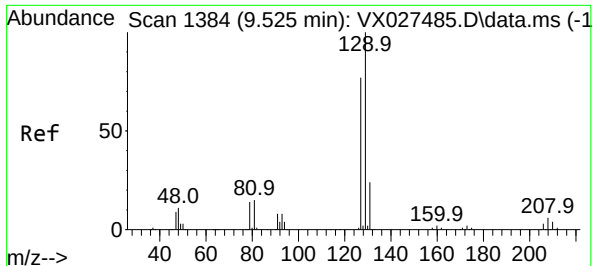
Tgt Ion: 98 Resp: 657123
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.421 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Tgt Ion: 43 Resp: 2123
Ion Ratio Lower Upper
43 100
58 214.9 36.1 54.1#

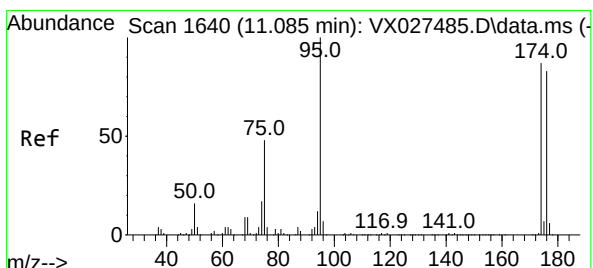
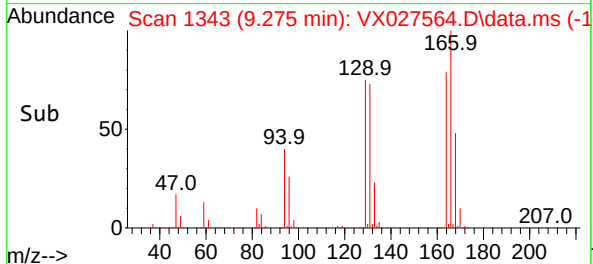
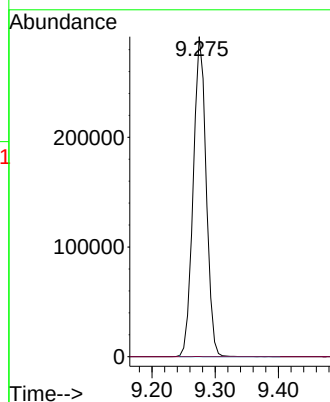
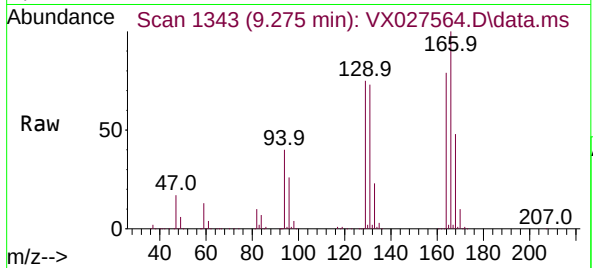




#60
Dibromochloromethane
Concen: 97.741 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

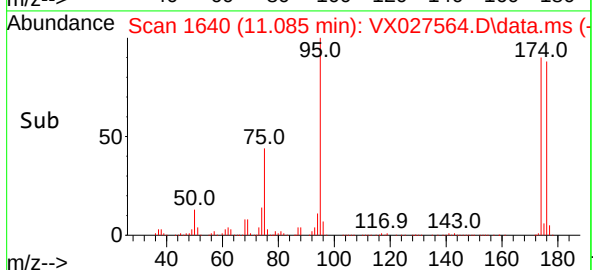
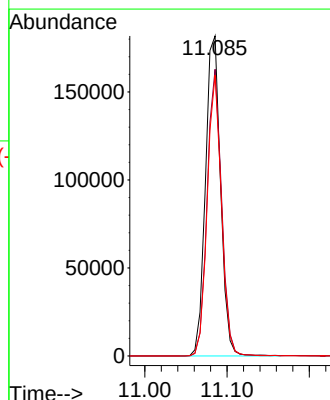
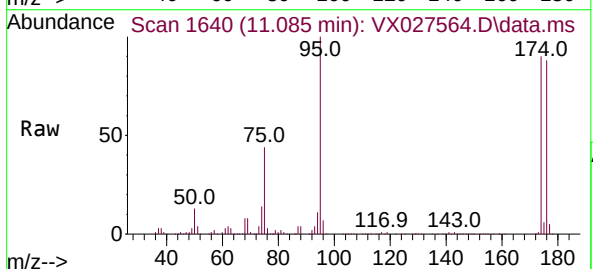
Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

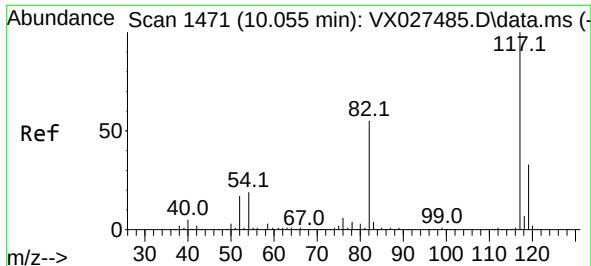
Tgt Ion:129 Resp: 414944
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 46.186 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

Tgt Ion: 95 Resp: 231594
Ion Ratio Lower Upper
95 100
174 86.0 0.0 163.0
176 83.0 0.0 155.0

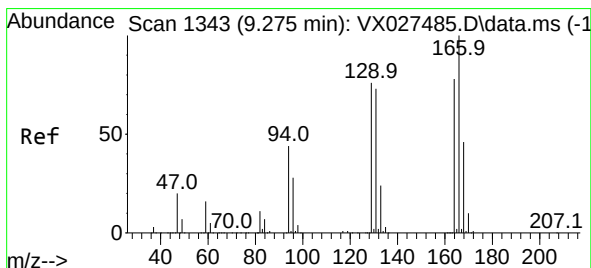
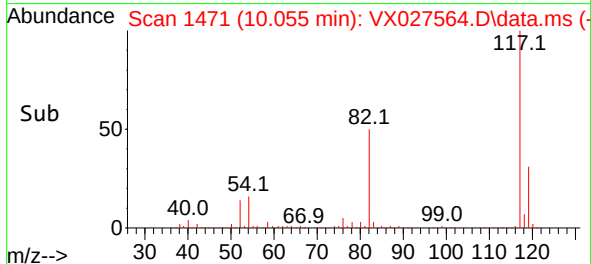
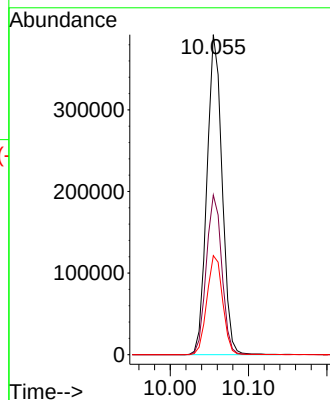
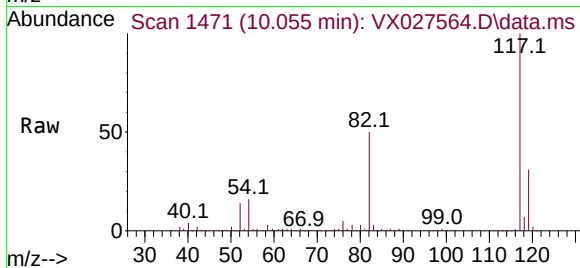




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

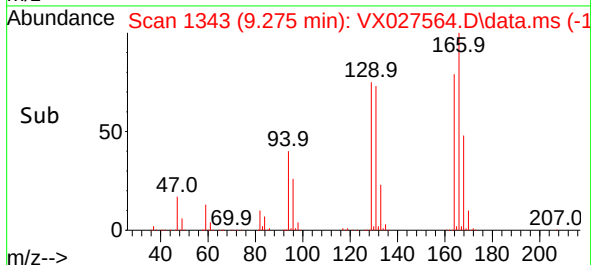
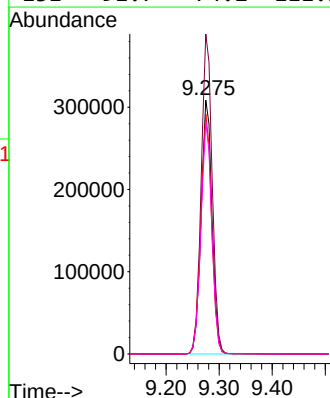
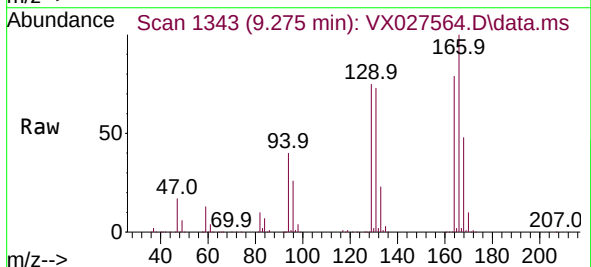
Instrument :
MSVOA_X
ClientSampleId :
RE-134D3-20220315

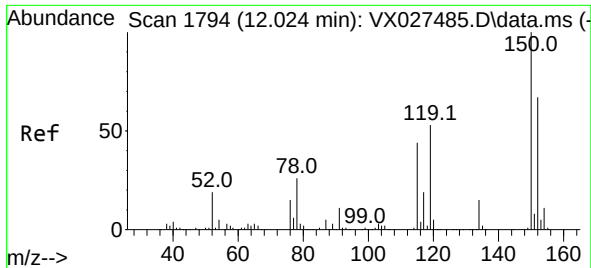
Tgt Ion:117 Resp: 525208
Ion Ratio Lower Upper
117 100
82 49.9 41.8 62.8
119 31.0 24.8 37.2



#64
Tetrachloroethene
Concen: 108.269 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX027564.D
Acq: 19 Mar 2022 16:45

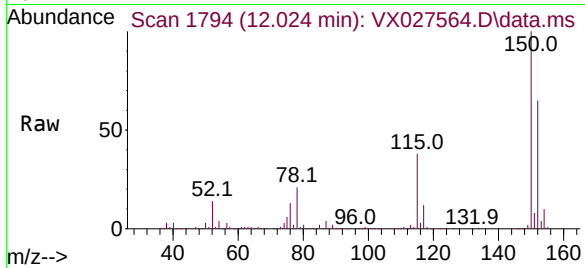
Tgt Ion:164 Resp: 442127
Ion Ratio Lower Upper
164 100
166 126.1 101.2 151.8
129 94.5 73.0 109.4
131 91.7 74.2 111.2



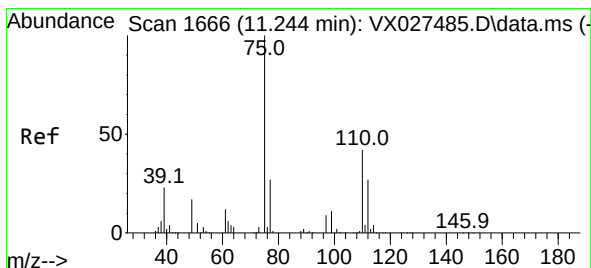
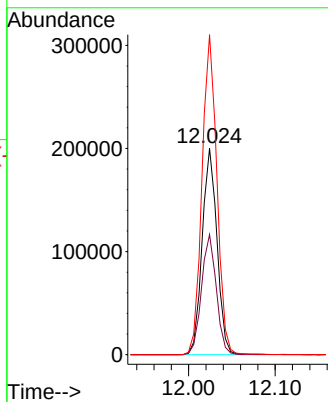
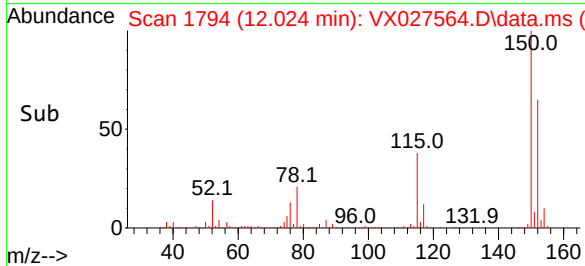


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027564.D
 Acq: 19 Mar 2022 16:45

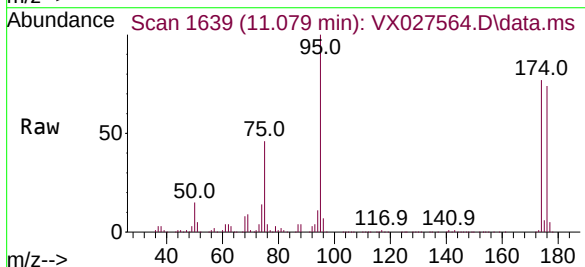
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-134D3-20220315



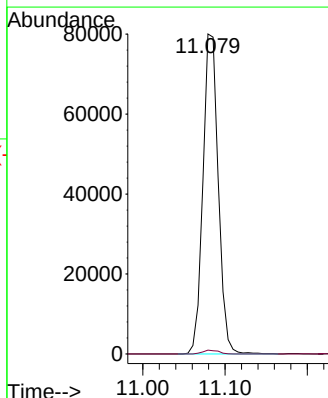
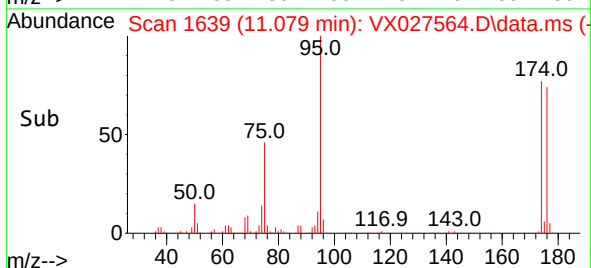
Tgt Ion:152 Resp: 238155
 Ion Ratio Lower Upper
 152 100
 115 58.1 37.5 112.7
 150 155.4 0.0 338.2

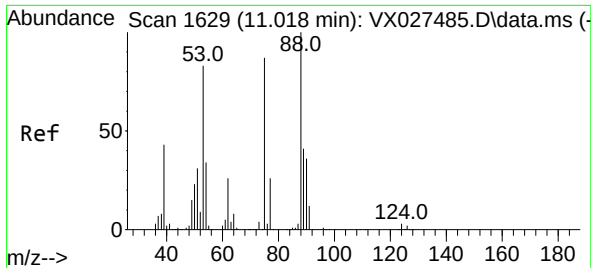


#76
 1,2,3-Trichloropropane
 Concen: 20.865 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027564.D
 Acq: 19 Mar 2022 16:45



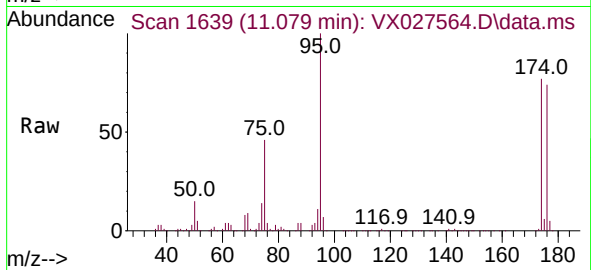
Tgt Ion: 75 Resp: 103936
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.367 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027564.D
 Acq: 19 Mar 2022 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-134D3-20220315



Tgt Ion: 75 Resp: 103936
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

