

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024486.D
 Acq On : 24 Sep 2021 06:36
 Operator : JC/MD
 Sample : M3829-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20210916

Quant Time: Sep 24 07:45:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

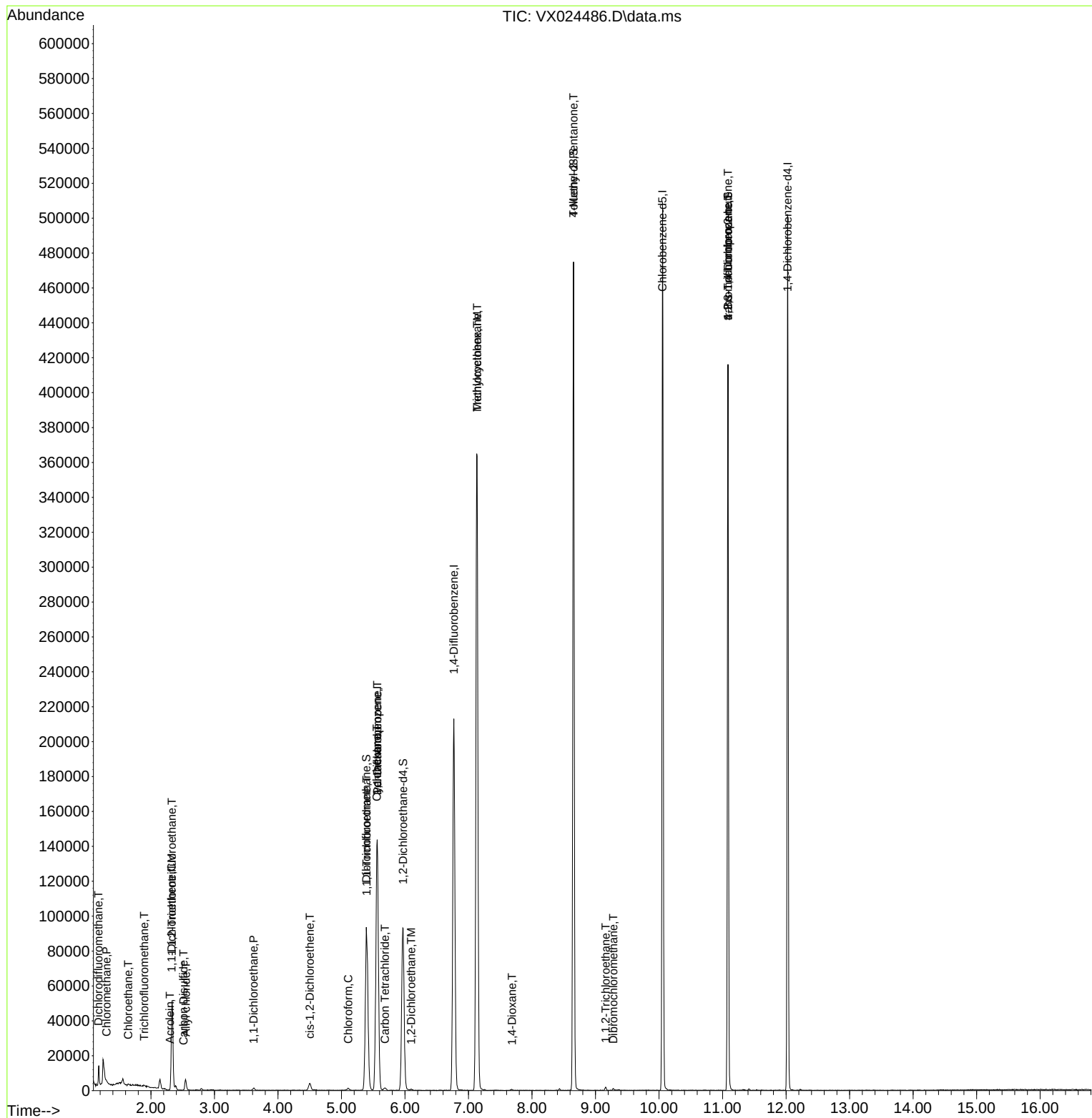
Internal Standards						
1) Pentafluorobenzene	5.562	168	131785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	207171	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	96987	52.218	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.440%			
35) Dibromofluoromethane	5.391	113	77966	56.649	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.300%			
50) Toluene-d8	8.653	98	264190	52.155	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.320%			
62) 4-Bromofluorobenzene	11.085	95	102397	51.413	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	1142	0.861	ug/l	93
3) Chloromethane	1.300	50	570	0.456	ug/l #	74
6) Chloroethane	1.642	64	446	0.768	ug/l #	43
7) Trichlorofluoromethane	1.892	101	562	0.244	ug/l #	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	18565	14.268	ug/l	98
11) Tert butyl alcohol	2.946	59	249	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	1245	1.031	ug/l #	76
13) Acrolein	2.300	56	27	10.316	ug/l #	14
14) Allyl chloride	2.550	41	578	0.262	ug/l #	35
16) Acetone	2.386	43	2457	Below Cal	#	86
17) Carbon Disulfide	2.514	76	185	0.287	ug/l #	75
20) Methylene Chloride	2.794	84	464	Below Cal	#	85
24) 1,1-Dichloroethane	3.617	63	1757	0.701	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	2758	1.720	ug/l	90
30) Chloroform	5.105	83	1422	0.514	ug/l #	76
31) Cyclohexane	5.556	56	2782	1.251	ug/l #	25
32) 1,1,1-Trichloroethane	5.397	97	646	0.263	ug/l #	37
36) 1,1-Dichloropropene	5.562	75	10798	5.437	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1494	0.691	ug/l #	68
39) Methylcyclohexane	7.135	83	1844	0.793	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	688	0.288	ug/l #	73
44) Trichloroethene	7.135	130	138888	88.886	ug/l	100
49) 1,4-Dioxane	7.683	88	469	10.970	ug/l #	84
51) 4-Methyl-2-Pentanone	8.653	43	1157	0.465	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	627	0.413	ug/l #	89
60) Dibromochloromethane	9.281	129	83	1.234	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	54909	24.423	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54909	66.644	ug/l #	12

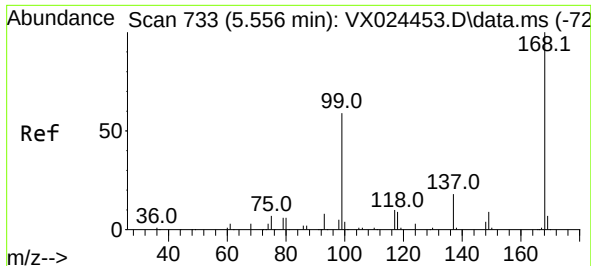
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

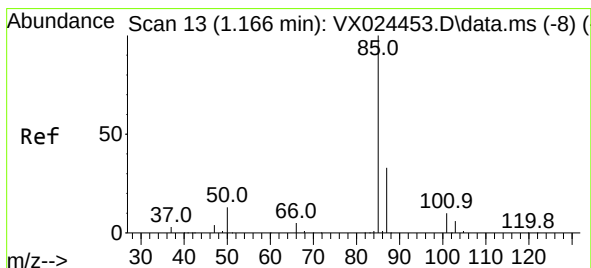
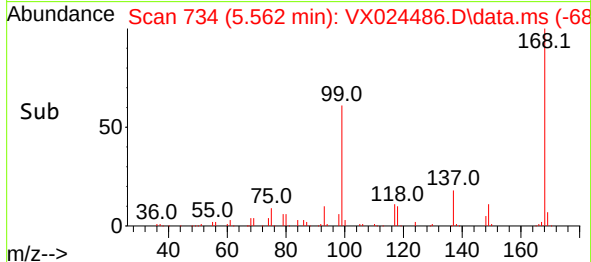
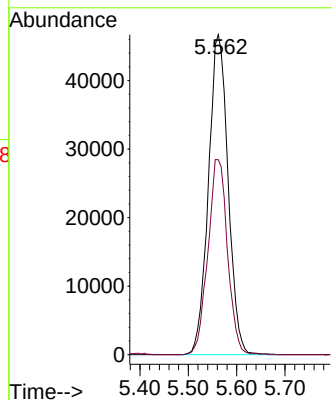
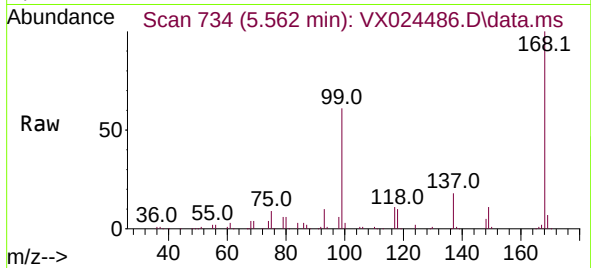




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

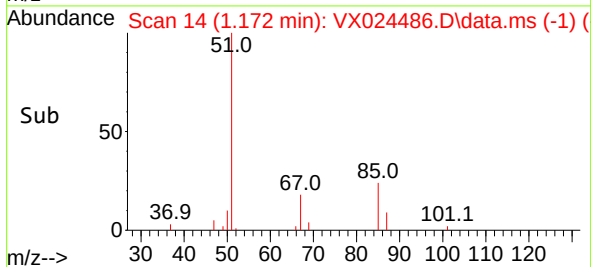
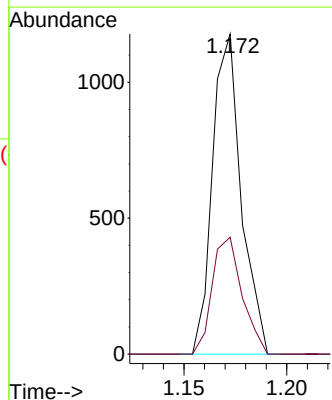
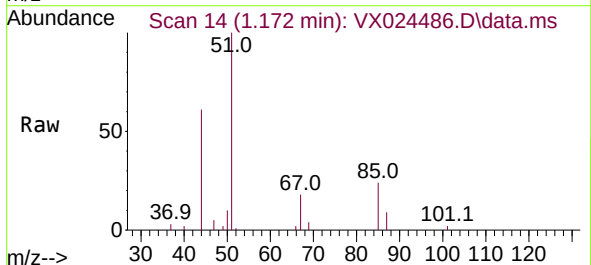
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

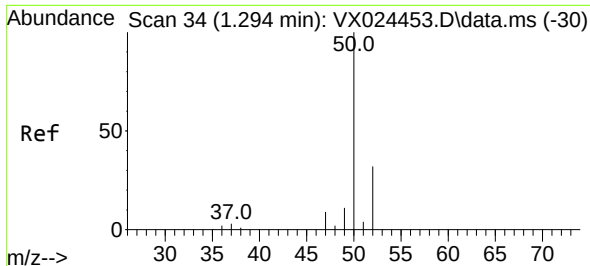
Tgt Ion:168 Resp: 131785
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.861 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 85 Resp: 1142
Ion Ratio Lower Upper
85 100
87 36.5 16.4 49.2

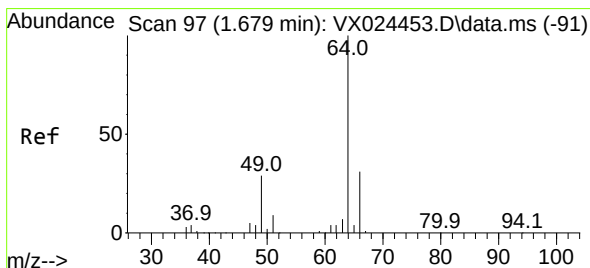
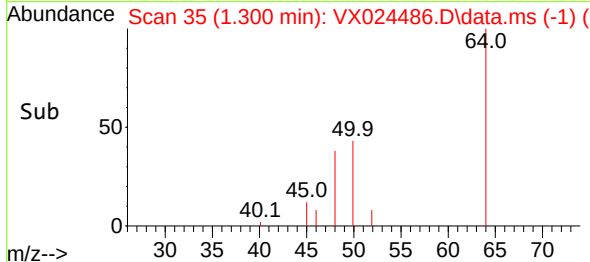
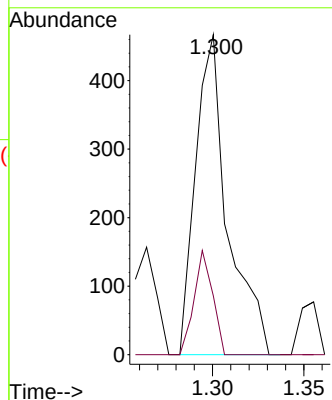
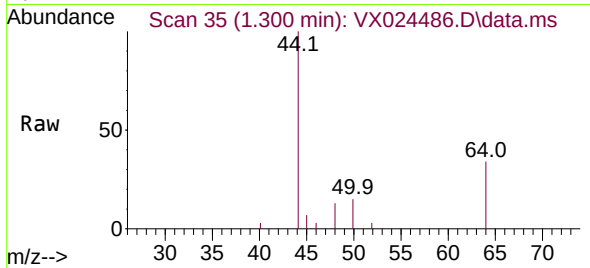




#3
Chloromethane
Concen: 0.456 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

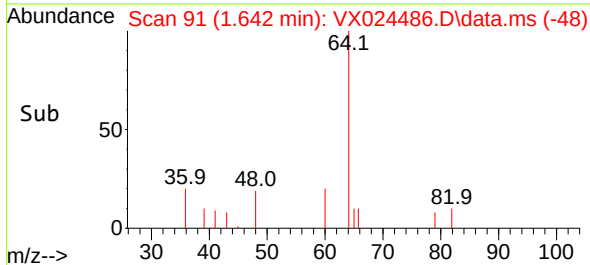
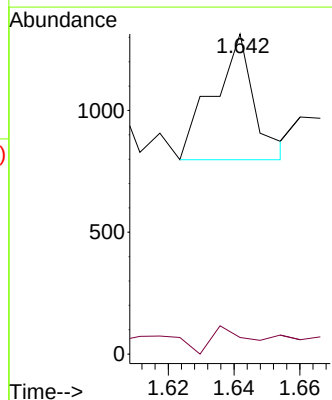
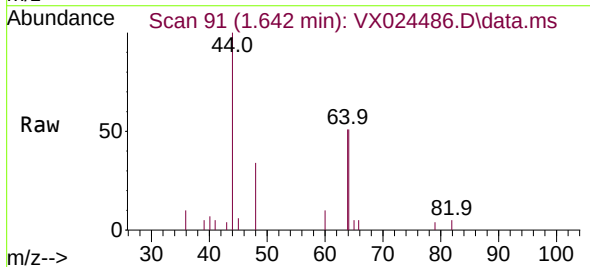
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

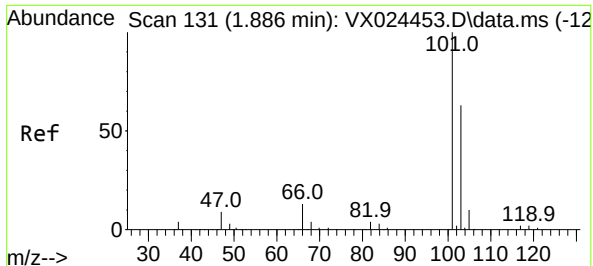
Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 18.4 26.4 39.6#



#6
Chloroethane
Concen: 0.768 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 64 Resp: 446
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

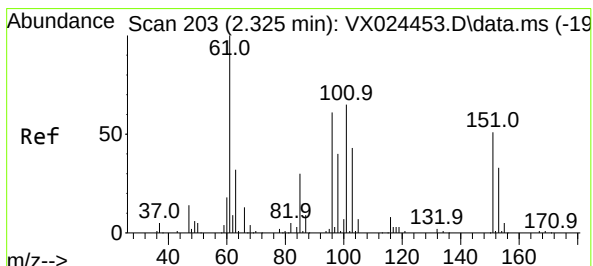
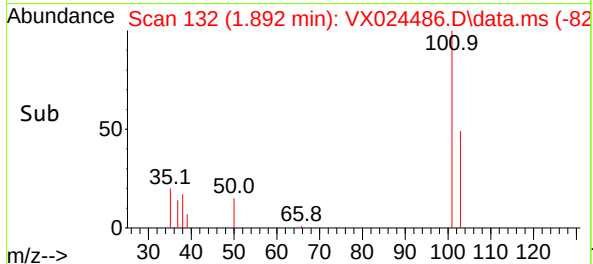
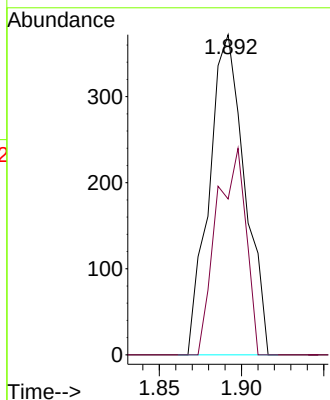
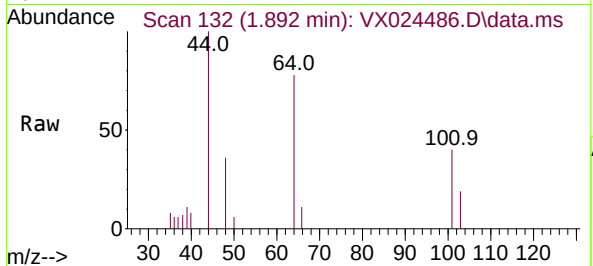




#7
Trichlorofluoromethane
Concen: 0.244 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

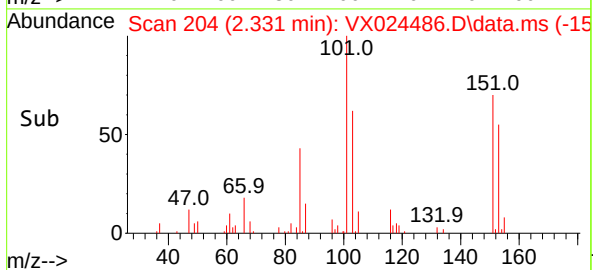
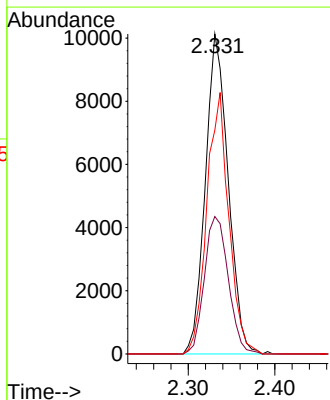
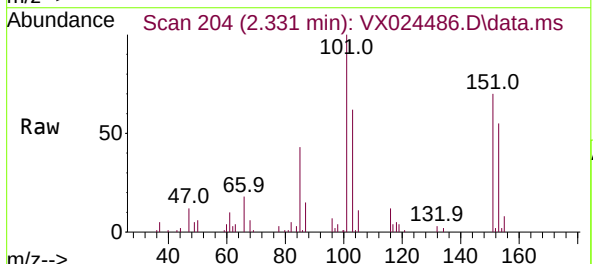
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

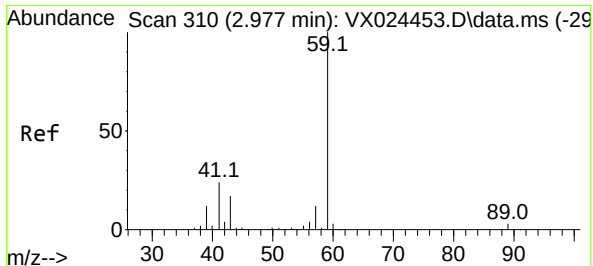
Tgt Ion:101 Resp: 562
Ion Ratio Lower Upper
101 100
103 48.7 53.2 79.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.268 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion:101 Resp: 18565
Ion Ratio Lower Upper
101 100
85 44.9 34.9 52.3
151 78.6 61.4 92.2



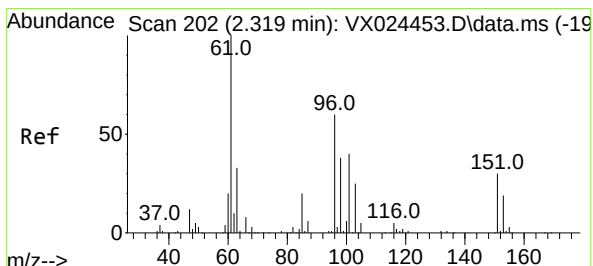
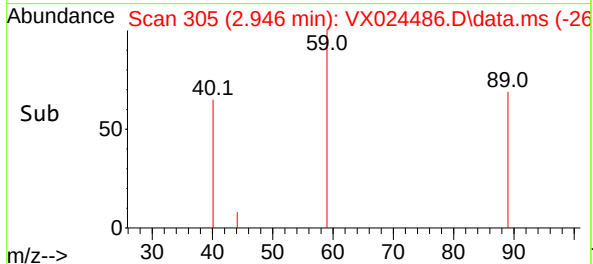
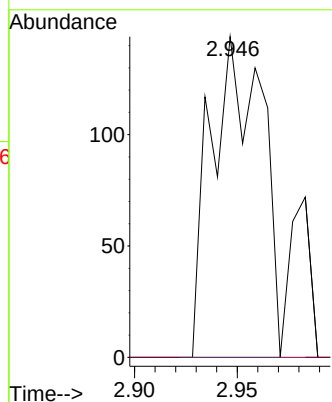
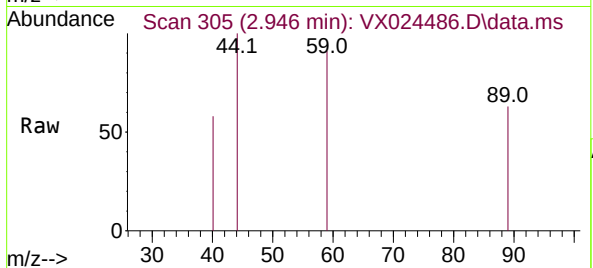


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

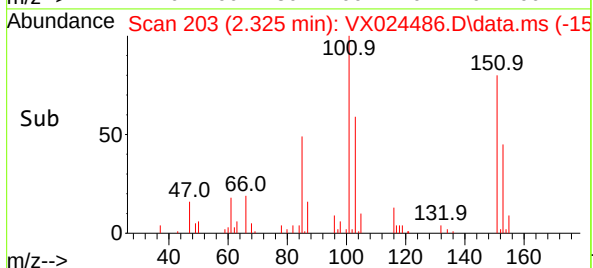
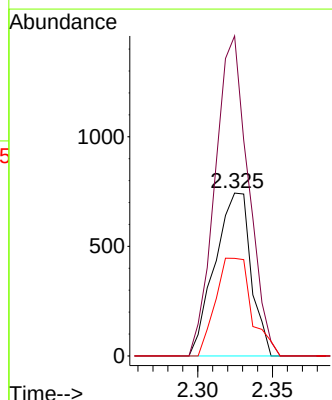
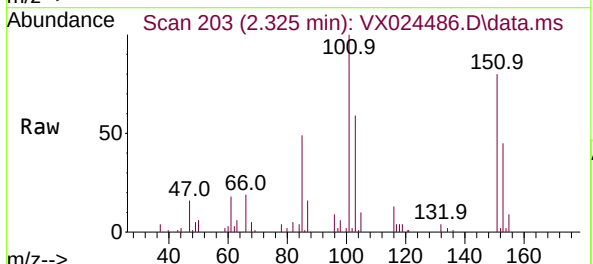
Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

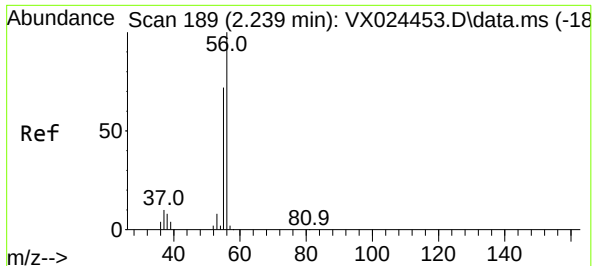


#12

1,1-Dichloroethene
Concen: 1.031 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 96 Resp: 1245
Ion Ratio Lower Upper
96 100
61 196.5 124.6 187.0#
98 59.9 50.6 76.0

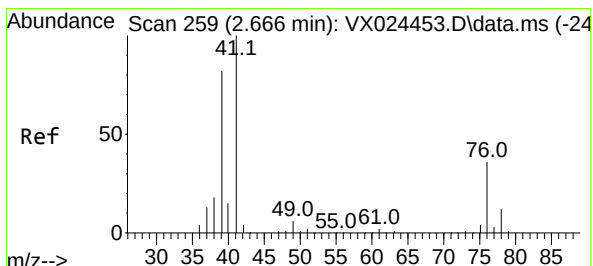
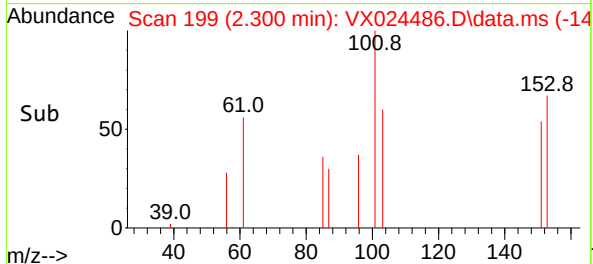
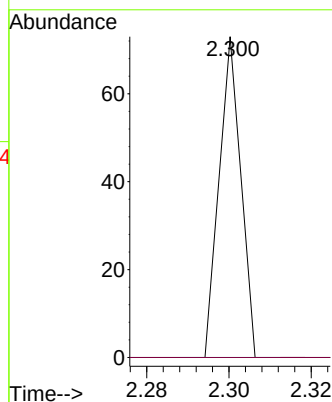
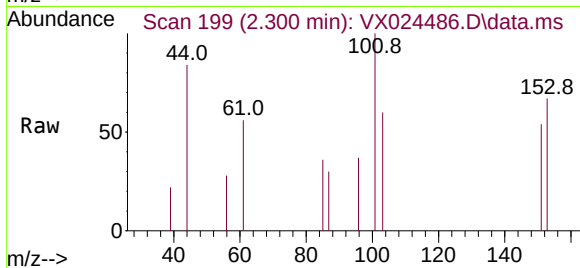




#13
Acrolein
Concen: 10.316 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.061 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

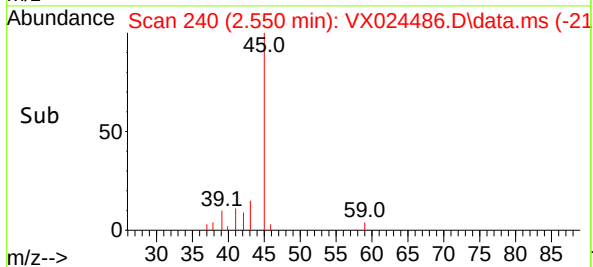
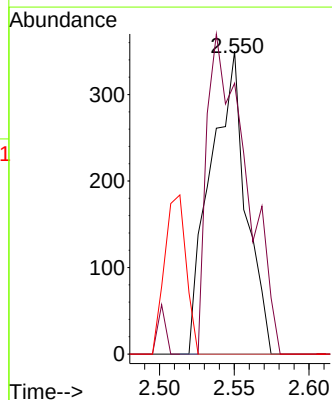
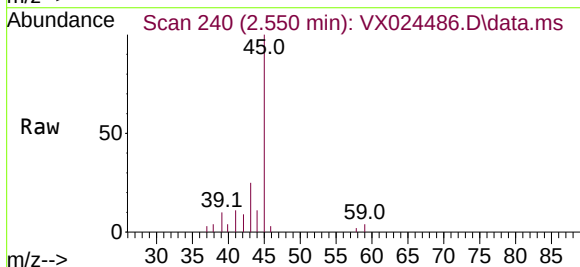
Instrument :
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ClientSampleId :
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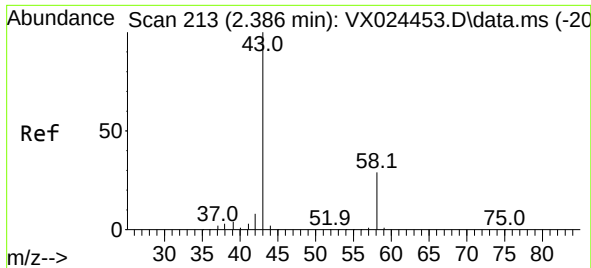
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.262 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 41 Resp: 578
Ion Ratio Lower Upper
41 100
39 117.0 51.6 77.4#
76 0.0 30.5 45.7#

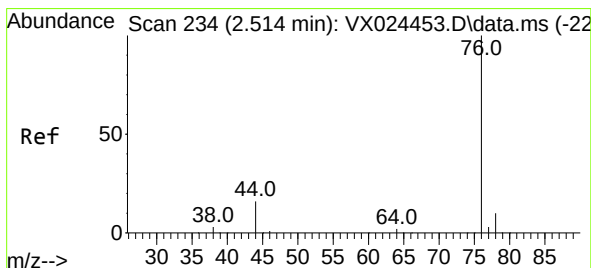
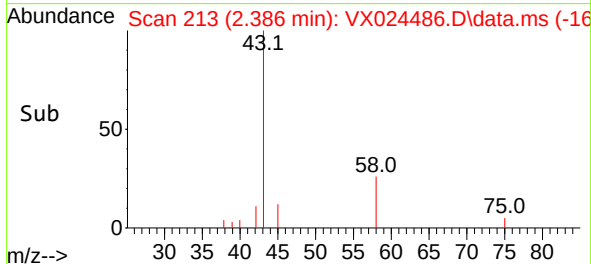
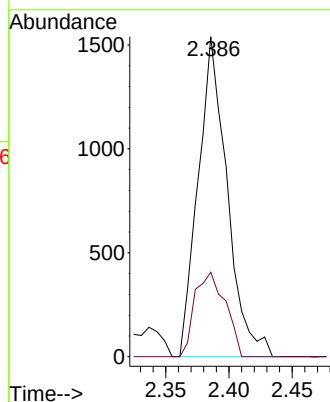
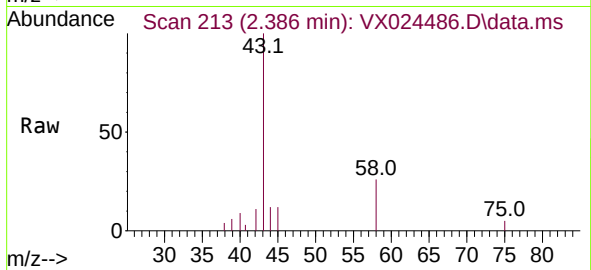




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

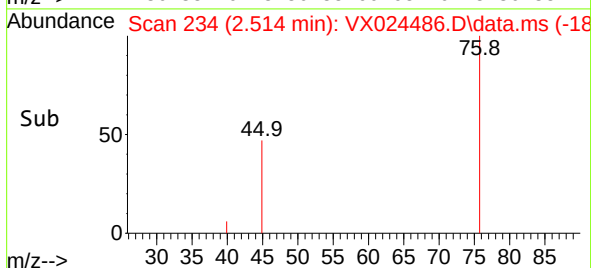
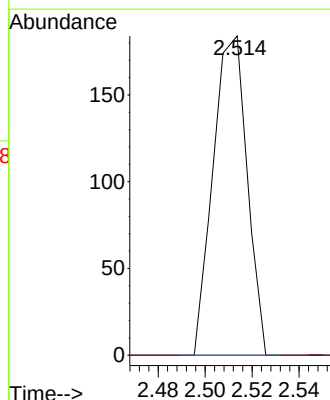
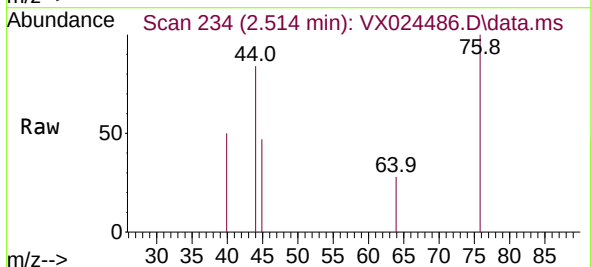
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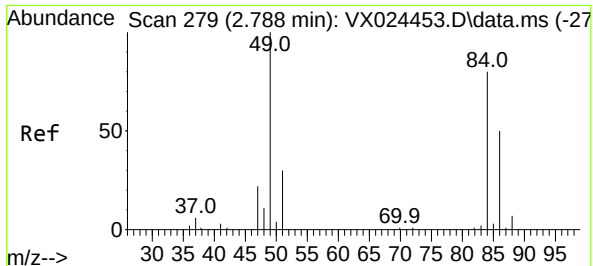
Tgt Ion: 43 Resp: 2457
Ion Ratio Lower Upper
43 100
58 26.4 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 76 Resp: 185
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

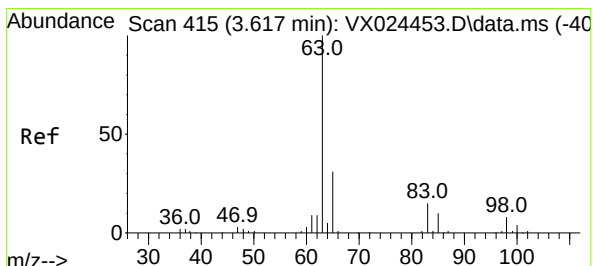
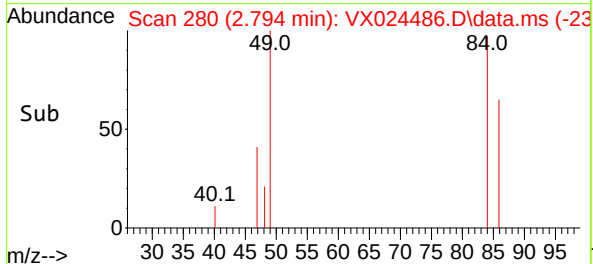
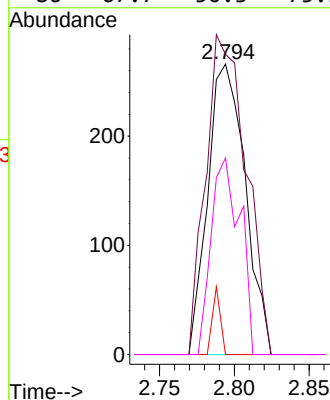
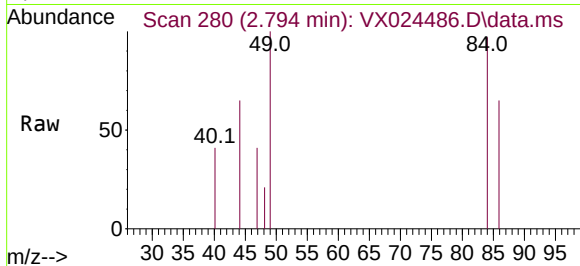




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

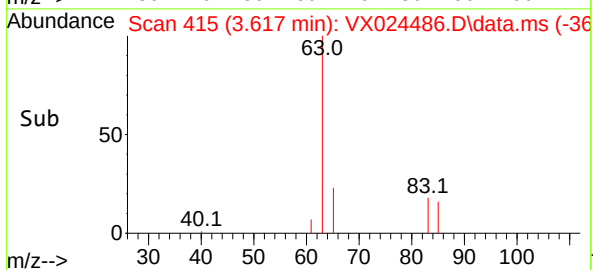
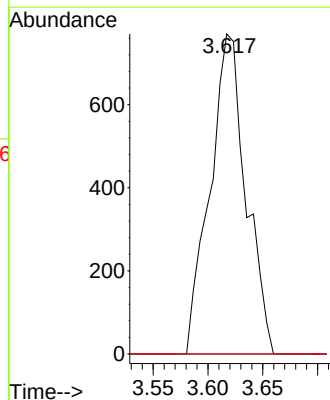
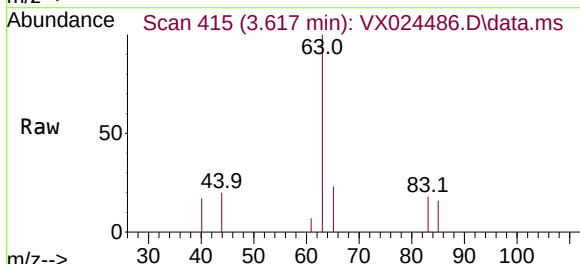
Instrument :
MSVOA_X
ClientSampleId :
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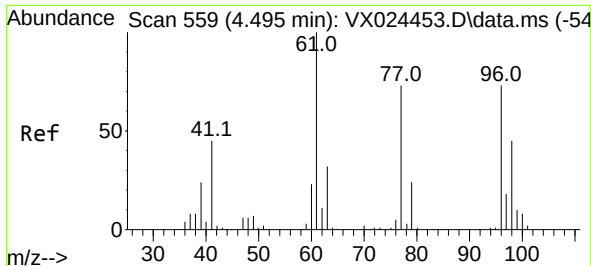
Tgt Ion:	84	Resp:	464
Ion	Ratio	Lower	Upper
84	100		
49	103.4	88.6	132.8
51	0.0	27.0	40.6#
86	67.7	50.3	75.5



#24
1,1-Dichloroethane
Concen: 0.701 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion:	63	Resp:	1757
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.720 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024486.D

Acq: 24 Sep 2021 06:36

Instrument :

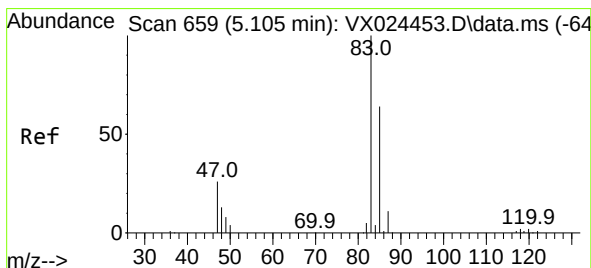
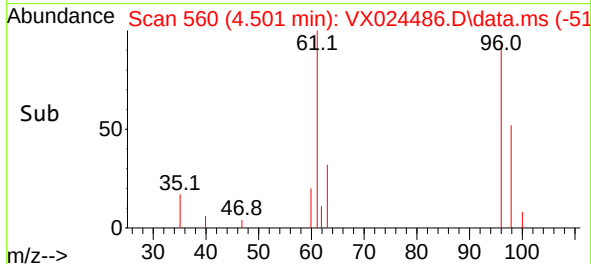
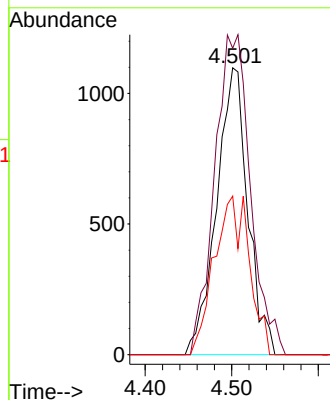
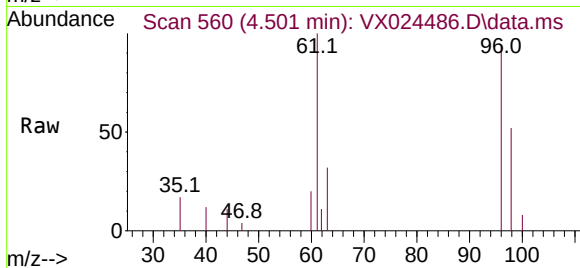
MSVOA_X

ClientSampleId :

RE114D2-20210916

Tgt Ion: 96 Resp: 2758

Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	285.6
98	61.7	0.0	129.6



#30

Chloroform

Concen: 0.514 ug/l

RT: 5.105 min Scan# 659

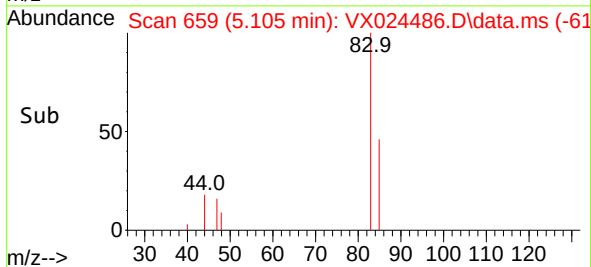
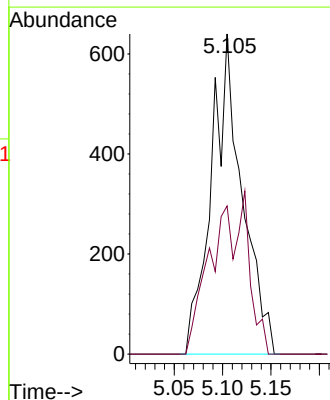
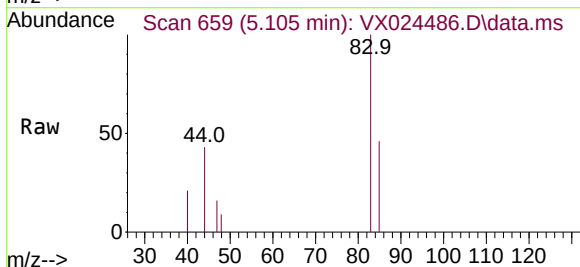
Delta R.T. -0.000 min

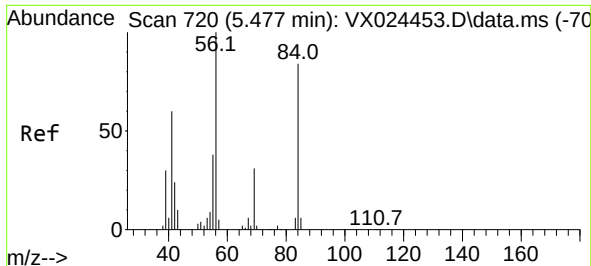
Lab File: VX024486.D

Acq: 24 Sep 2021 06:36

Tgt Ion: 83 Resp: 1422

Ion	Ratio	Lower	Upper
83	100		
85	46.3	52.0	78.0#

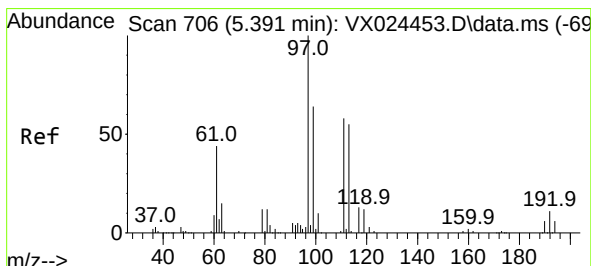
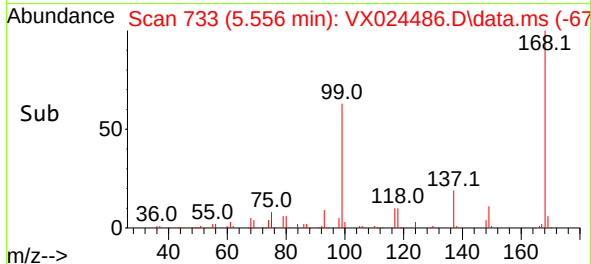
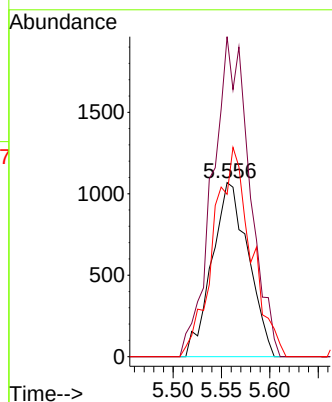
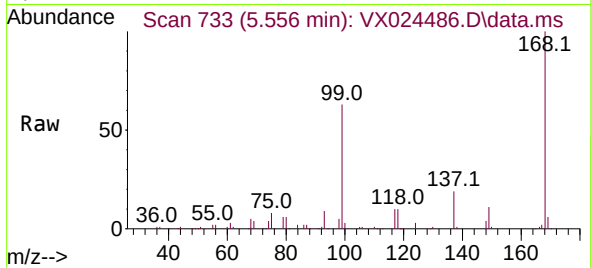




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

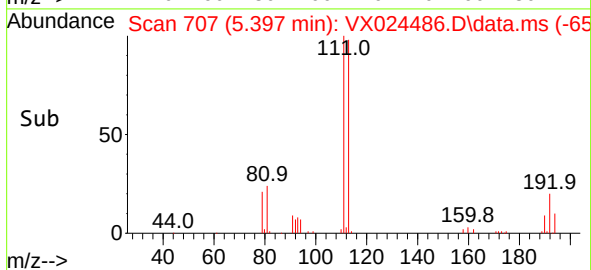
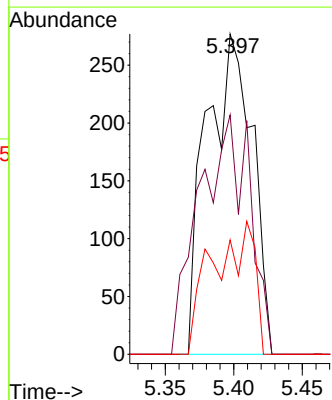
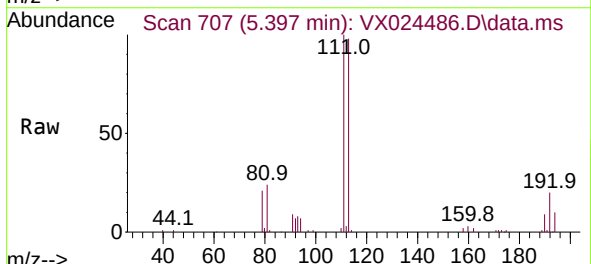
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

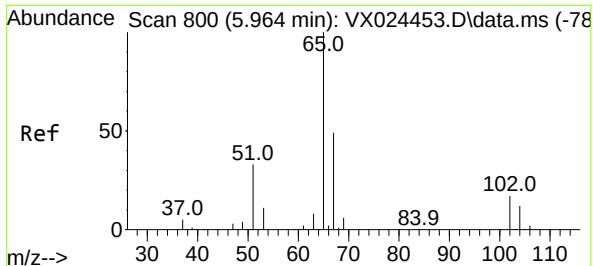
Tgt Ion: 56 Resp: 2782
Ion Ratio Lower Upper
56 100
69 183.9 25.3 37.9#
84 93.4 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.263 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 97 Resp: 646
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 21.2 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 52.218 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX024486.D

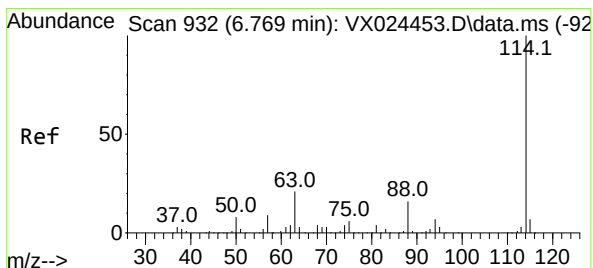
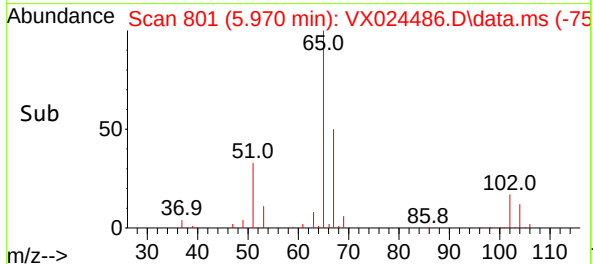
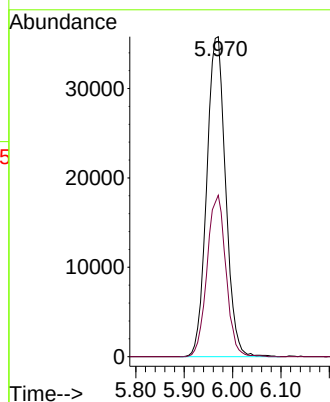
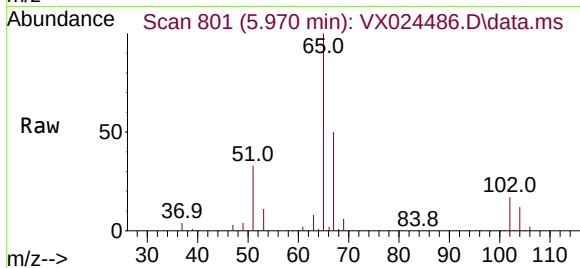
Acq: 24 Sep 2021 06:36

Tgt Ion: 65 Resp: 96987

Ion Ratio Lower Upper

65 100

67 50.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX024486.D

Acq: 24 Sep 2021 06:36

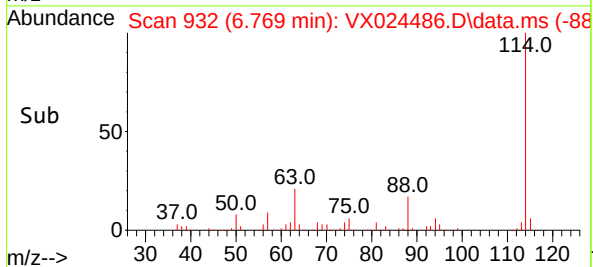
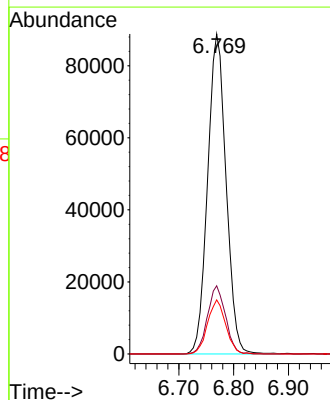
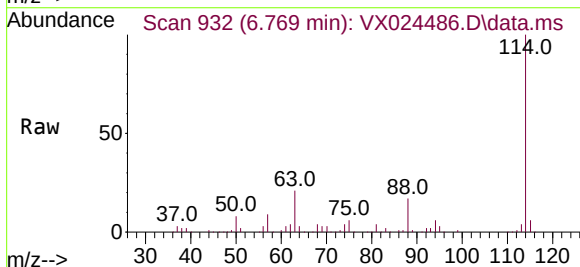
Tgt Ion: 114 Resp: 207171

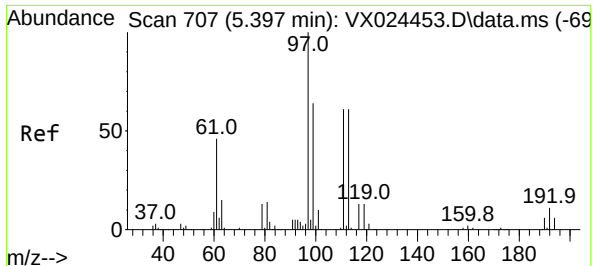
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 56.649 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024486.D

Acq: 24 Sep 2021 06:36

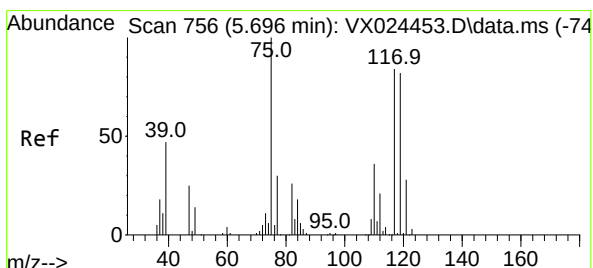
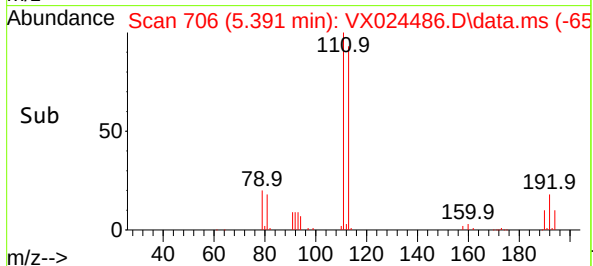
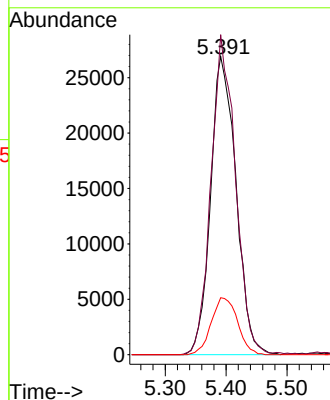
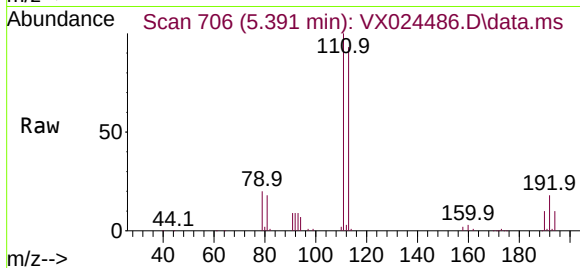
Tgt Ion:	113	Resp:	77966
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	19.8	16.7	25.1

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20210916



#36

1,1-Dichloropropene

Concen: 5.437 ug/l

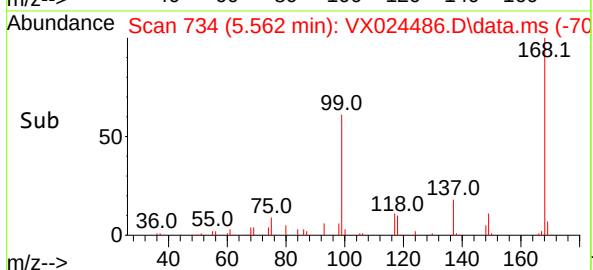
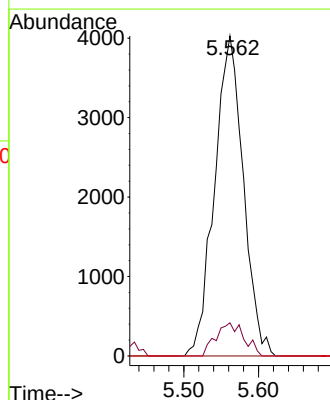
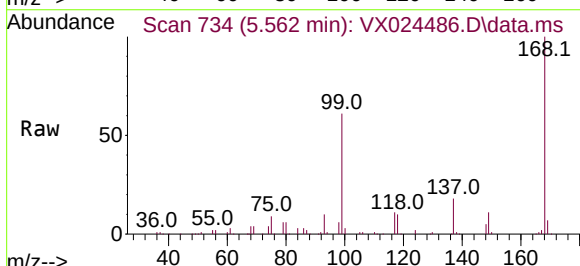
RT: 5.562 min Scan# 734

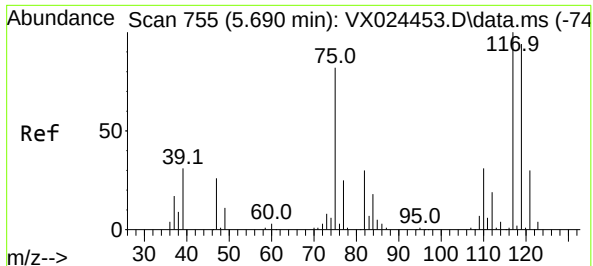
Delta R.T. -0.134 min

Lab File: VX024486.D

Acq: 24 Sep 2021 06:36

Tgt Ion:	75	Resp:	10798
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.4#
77	0.0	25.3	37.9#

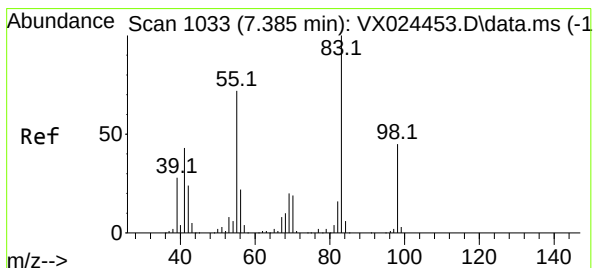
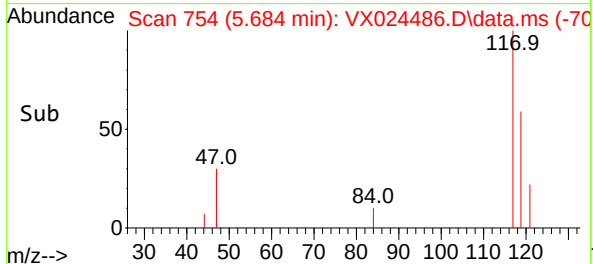
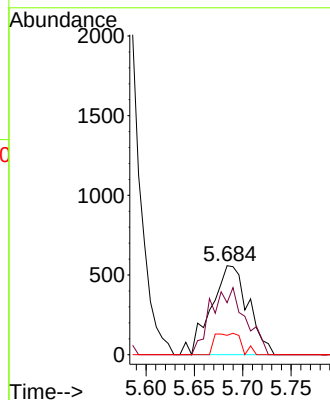
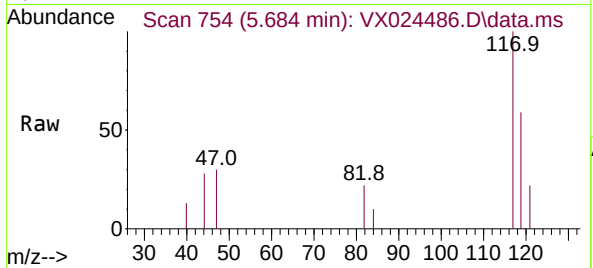




#38
Carbon Tetrachloride
Concen: 0.691 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

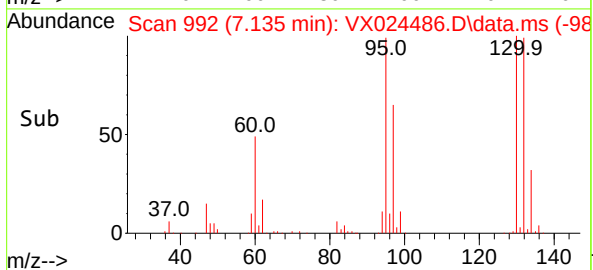
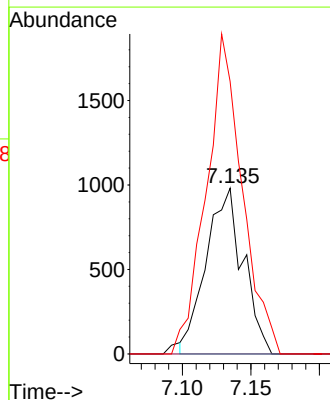
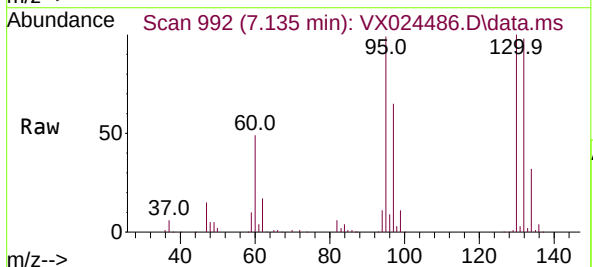
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

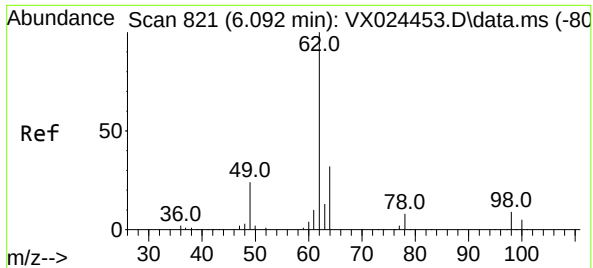
Tgt Ion:117 Resp: 1494
Ion Ratio Lower Upper
117 100
119 58.6 76.2 114.2#
121 21.9 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.793 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 83 Resp: 1844
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 164.4 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.288 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX024486.D

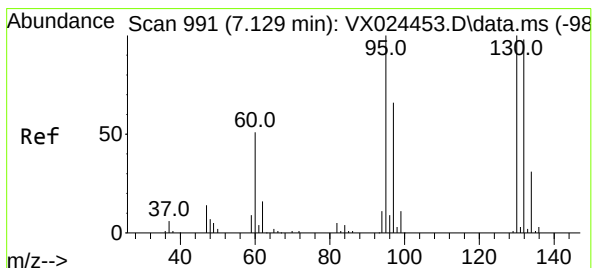
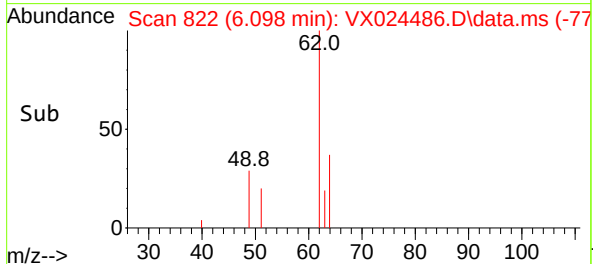
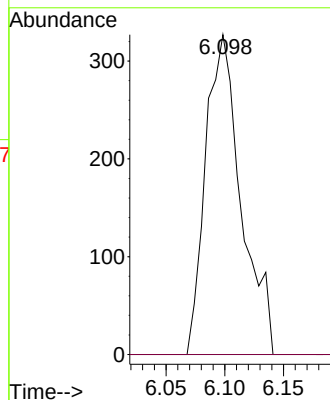
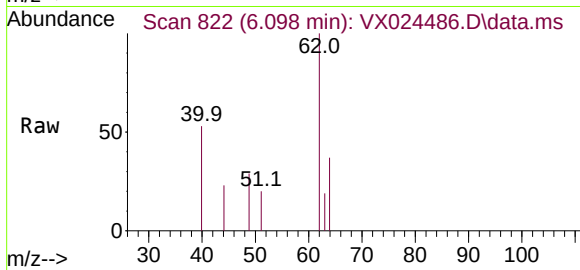
Acq: 24 Sep 2021 06:36

Tgt Ion: 62 Resp: 688

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 88.886 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX024486.D

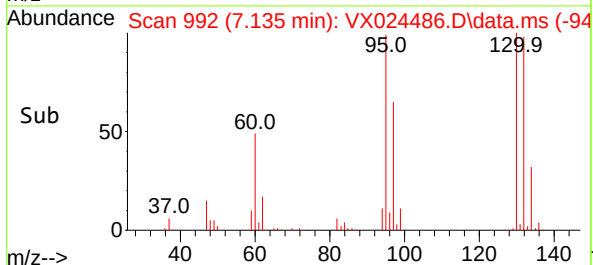
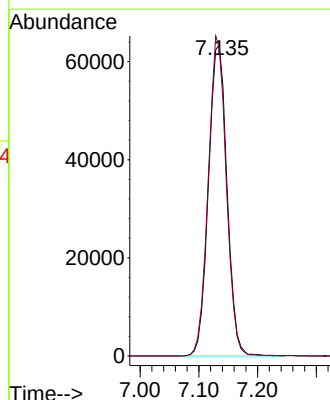
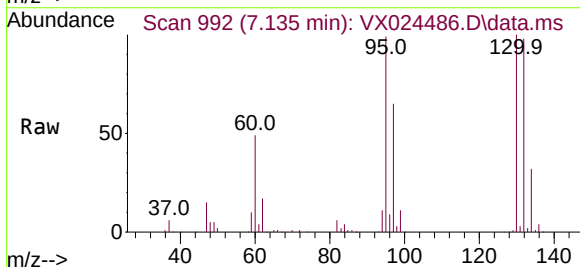
Acq: 24 Sep 2021 06:36

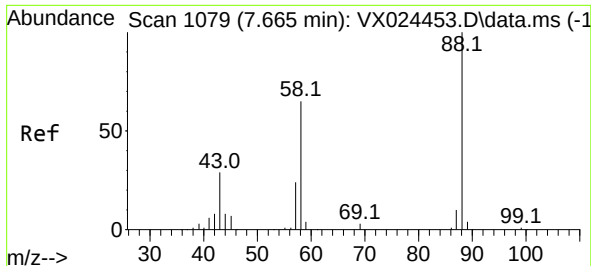
Tgt Ion: 130 Resp: 138888

Ion Ratio Lower Upper

130 100

95 98.9 0.0 198.0





#49

1,4-Dioxane

Concen: 10.970 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. 0.018 min

Lab File: VX024486.D

Acq: 24 Sep 2021 06:36

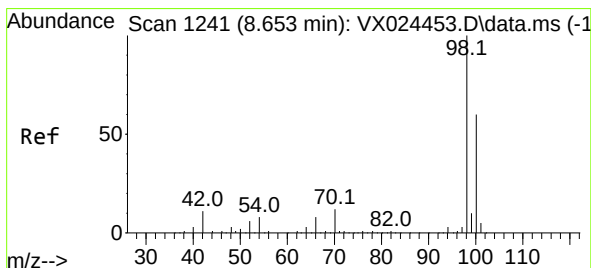
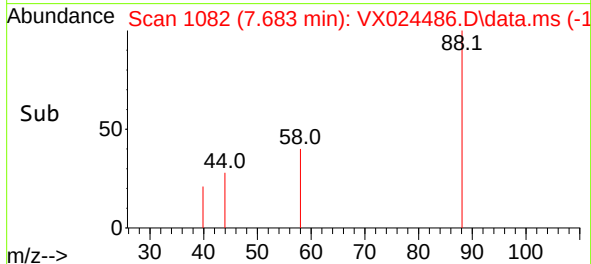
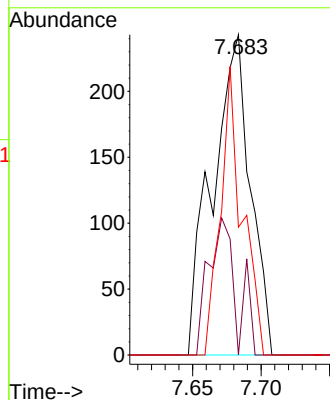
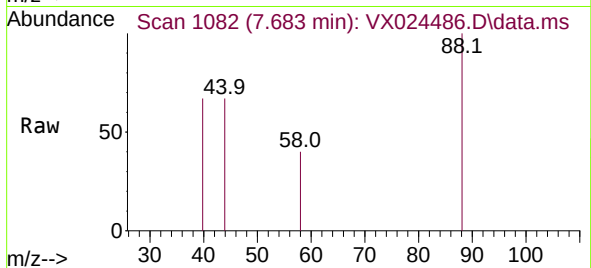
Tgt Ion: 88 Resp: 469

Ion Ratio Lower Upper

88 100

43 31.3 23.2 34.8

58 51.2 55.0 82.4#



#50

Toluene-d8

Concen: 52.155 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024486.D

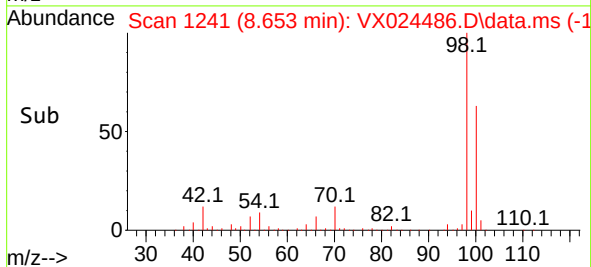
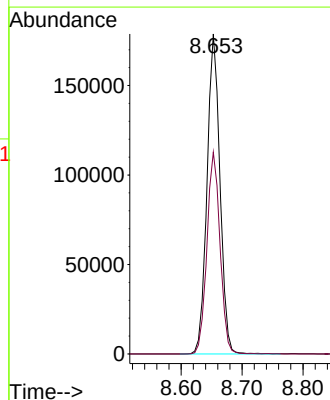
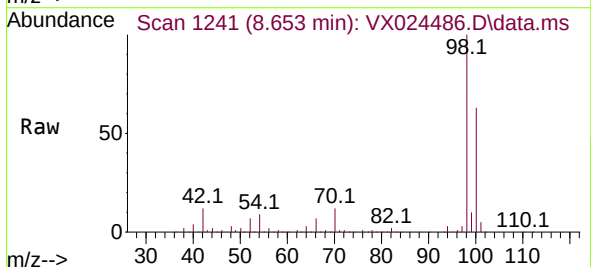
Acq: 24 Sep 2021 06:36

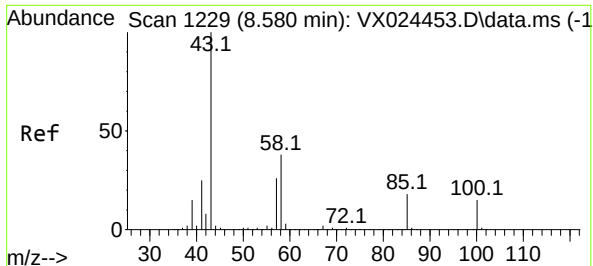
Tgt Ion: 98 Resp: 264190

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9

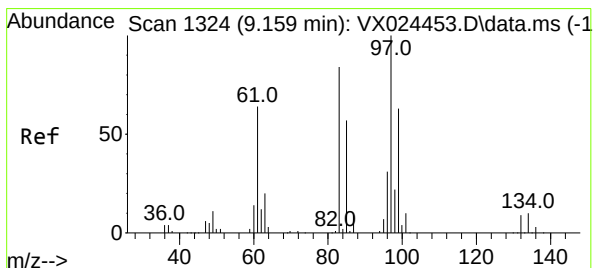
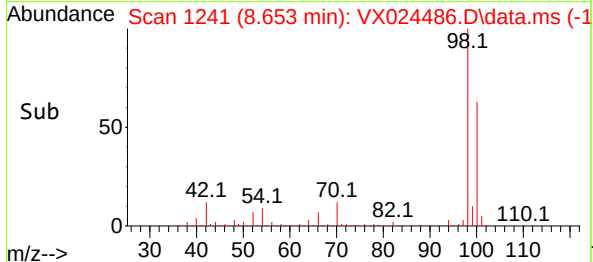
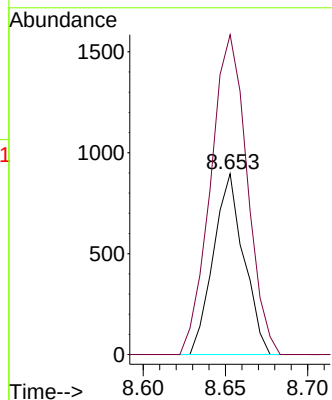
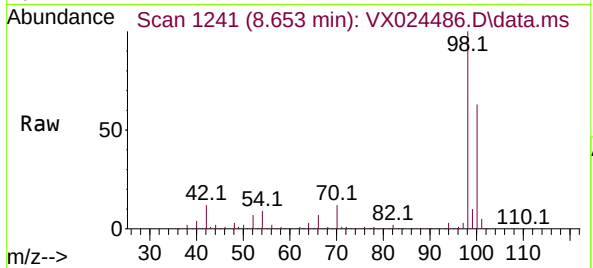




#51
4-Methyl-2-Pentanone
Concen: 0.465 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

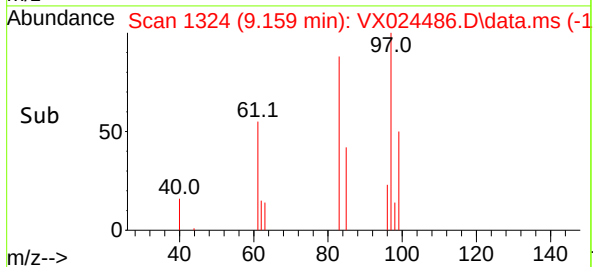
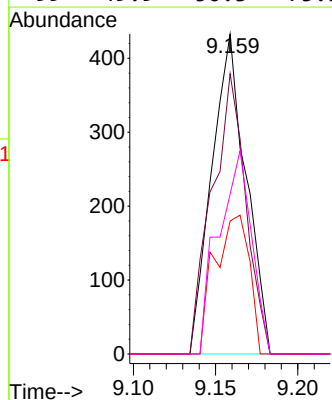
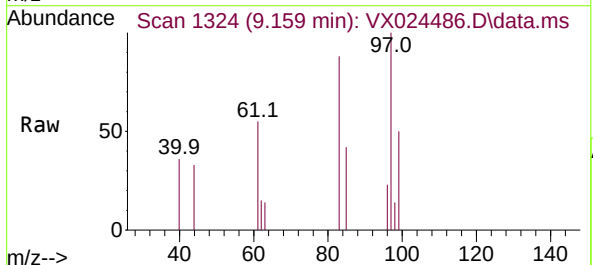
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

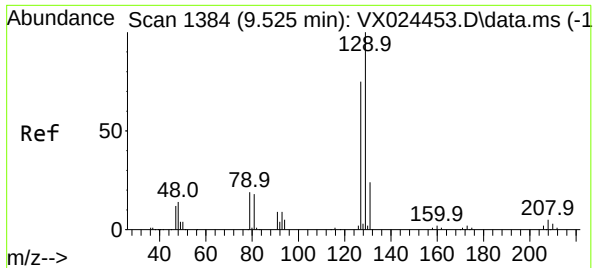
Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
58 211.7 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.413 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 97 Resp: 627
Ion Ratio Lower Upper
97 100
83 87.5 69.3 103.9
85 41.6 44.3 66.5#
99 49.9 50.3 75.5#

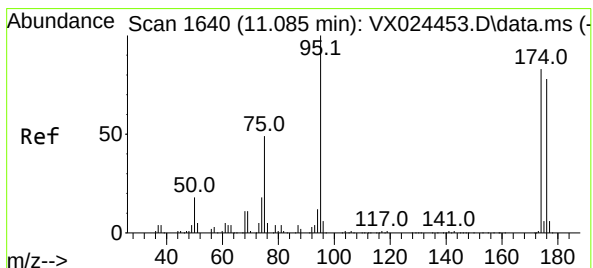
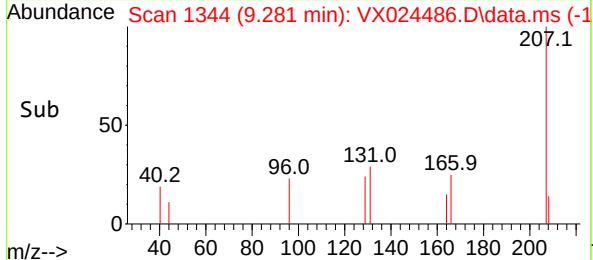
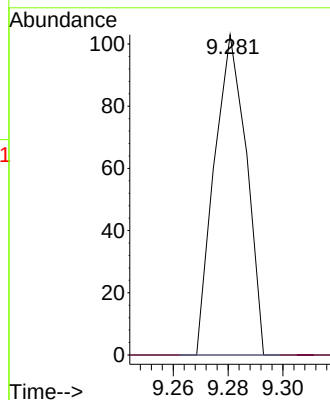
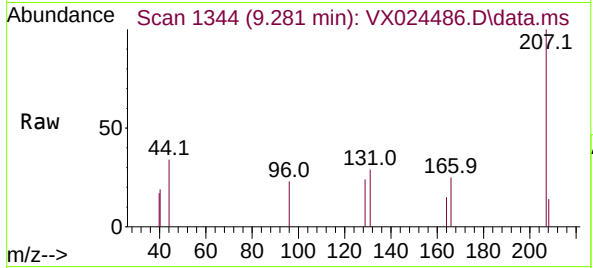




#60
Dibromochloromethane
Concen: 1.234 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

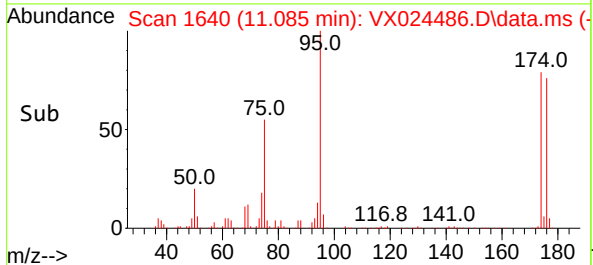
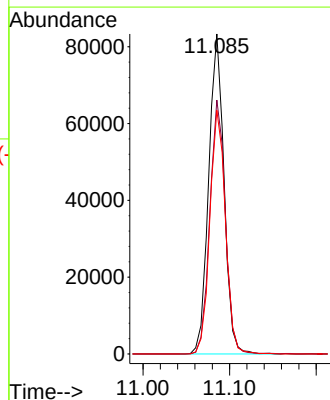
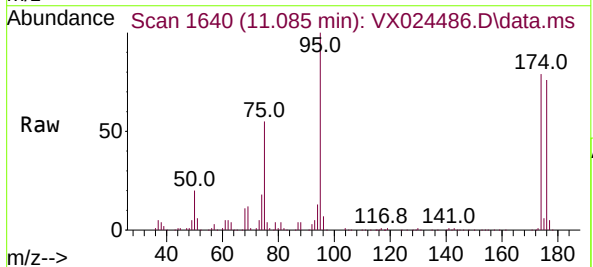
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

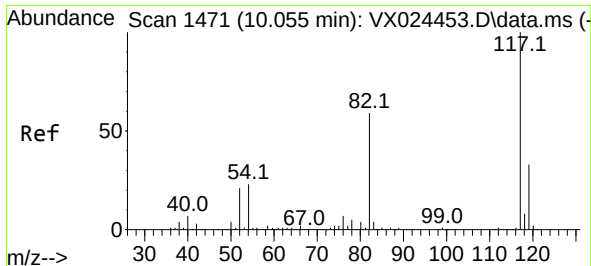
Tgt Ion:129 Resp: 83
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 51.413 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 95 Resp: 102397
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 77.2 0.0 155.8

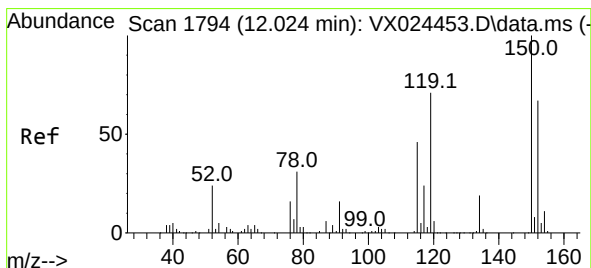
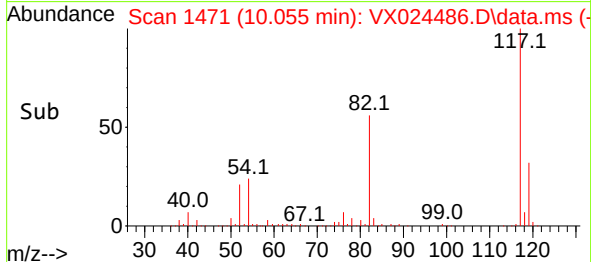
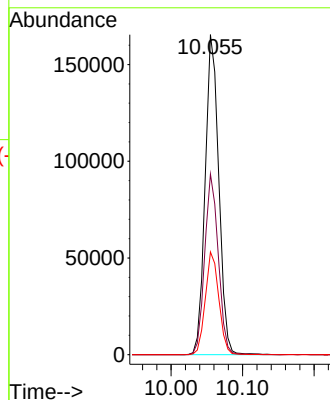
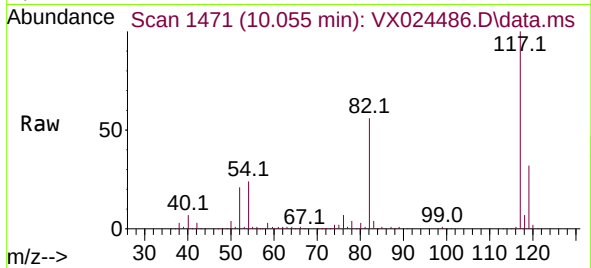




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

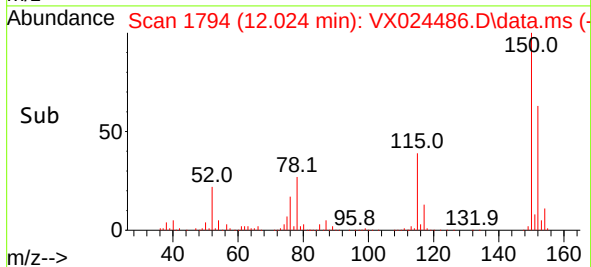
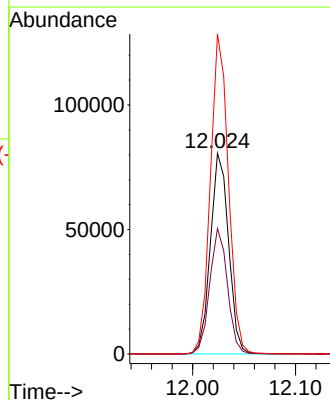
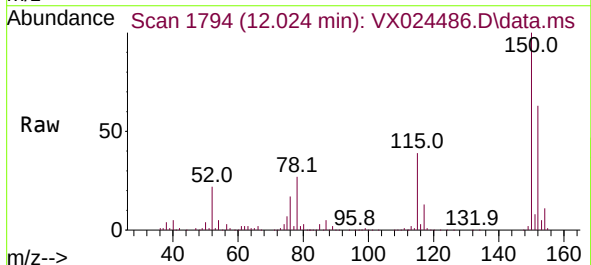
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

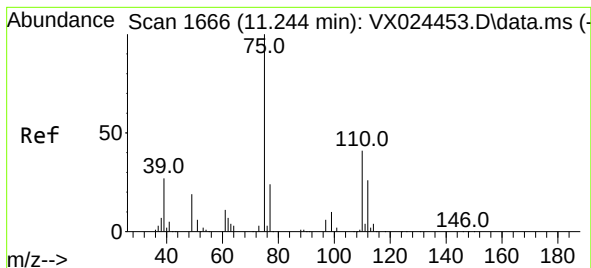
Tgt Ion:117 Resp: 219080
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion:152 Resp: 99002
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 157.9 0.0 349.0

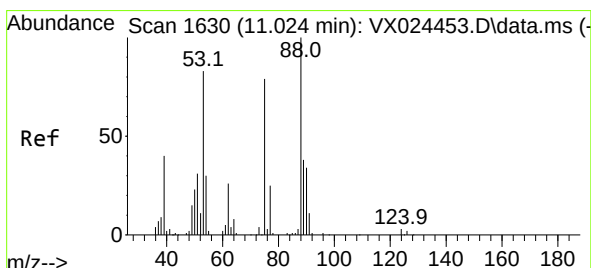
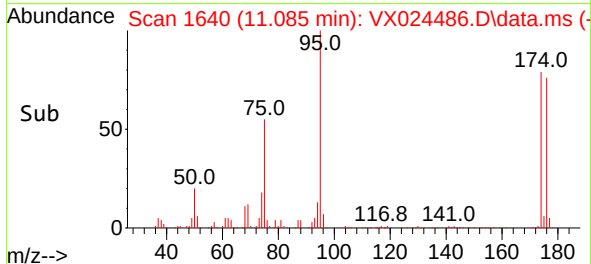
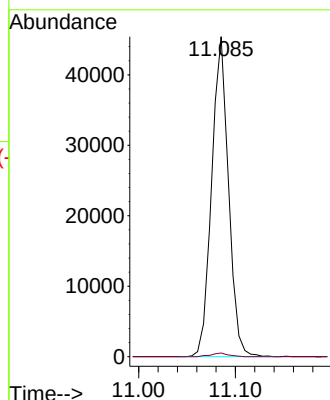
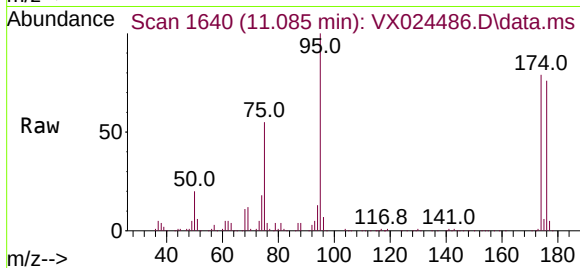




#76
1,2,3-Trichloropropane
Concen: 24.423 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20210916

Tgt Ion: 75 Resp: 54909
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.644 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024486.D
Acq: 24 Sep 2021 06:36

Tgt Ion: 75 Resp: 54909
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

