

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024487.D
 Acq On : 24 Sep 2021 06:59
 Operator : JC/MD
 Sample : M3829-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20210917

Quant Time: Sep 24 09:06:46 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)

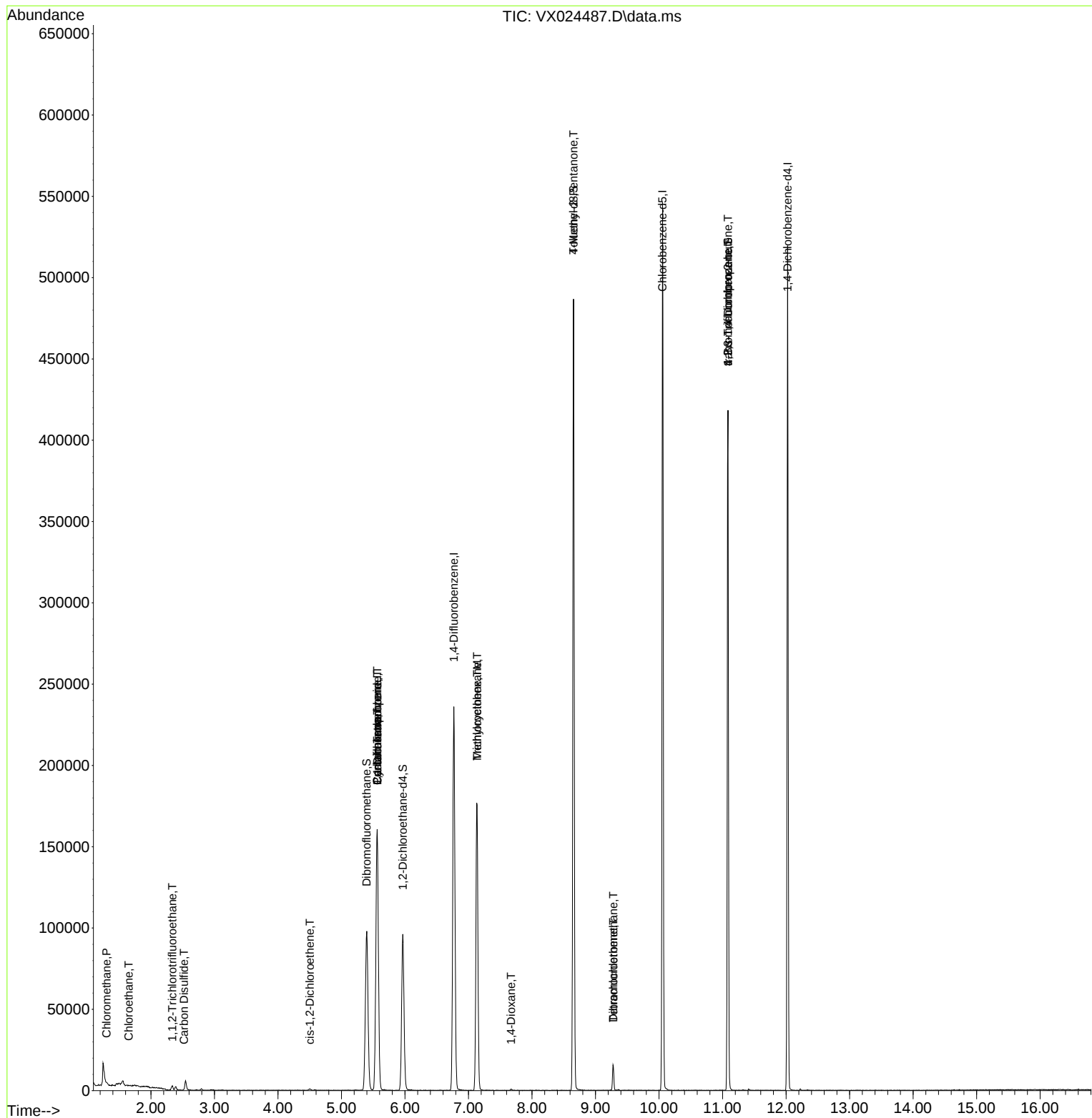
Internal Standards						
1) Pentafluorobenzene	5.562	168	148831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	233025	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95700	45.624	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.240%
35) Dibromofluoromethane	5.397	113	86160	55.657	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.320%
50) Toluene-d8	8.653	98	273582	48.017	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.040%
62) 4-Bromofluorobenzene	11.085	95	110647	49.392	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	450	0.319	ug/l	99
6) Chloroethane	1.648	64	119	0.379	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	951	0.647	ug/l #	85
11) Tert butyl alcohol	2.965	59	360	Below Cal	#	73
16) Acetone	2.392	43	2366	Below Cal	#	79
17) Carbon Disulfide	2.520	76	205	0.286	ug/l #	75
20) Methylene Chloride	2.794	84	401	Below Cal	#	89
27) cis-1,2-Dichloroethene	4.501	96	415	0.229	ug/l	78
31) Cyclohexane	5.562	56	3138	1.249	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	11208	5.017	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15826	6.508	ug/l #	16
39) Methylcyclohexane	7.135	83	937	0.358	ug/l #	1
44) Trichloroethene	7.135	130	68120	38.759	ug/l	98
49) 1,4-Dioxane	7.671	88	495	10.293	ug/l #	92
51) 4-Methyl-2-Pentanone	8.653	43	1270	0.454	ug/l #	1
60) Dibromochloromethane	9.281	129	2647	2.522	ug/l #	11
64) Tetrachloroethene	9.281	164	2802	1.733	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	59161	25.514	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59161	69.536	ug/l #	12

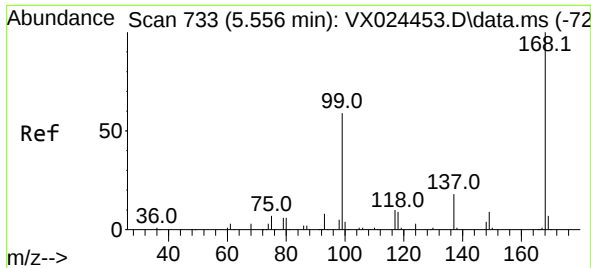
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

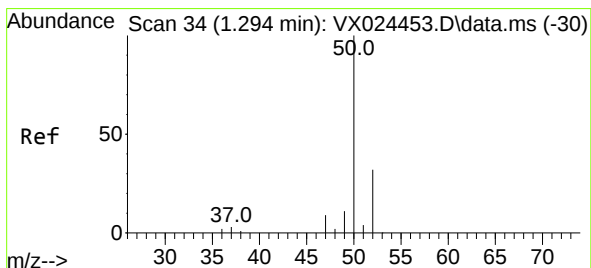
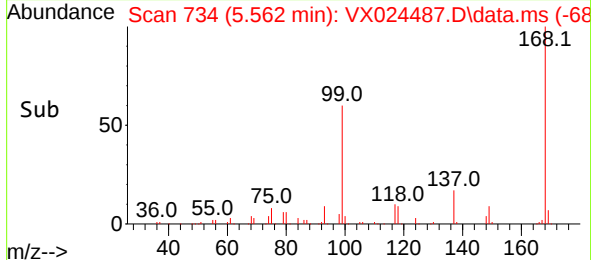
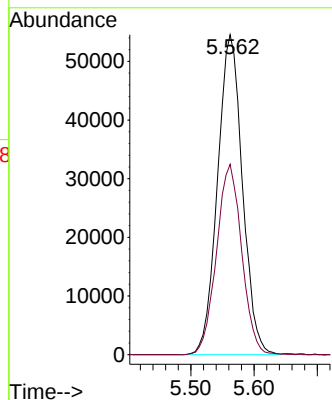
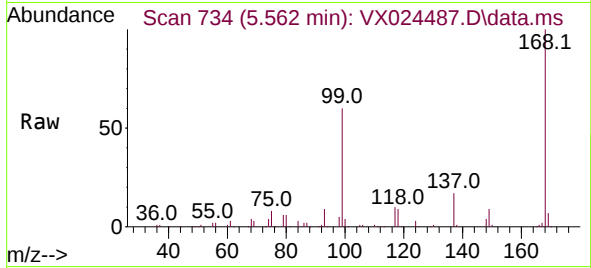




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

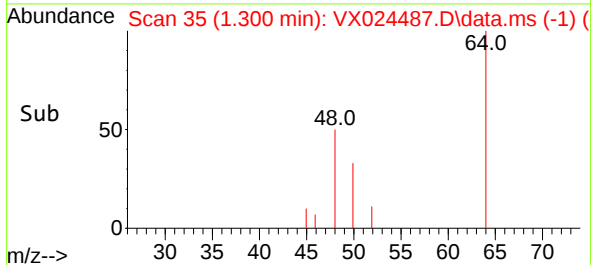
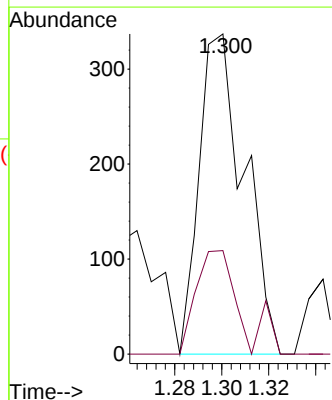
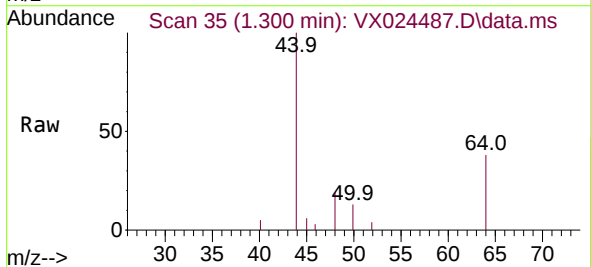
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

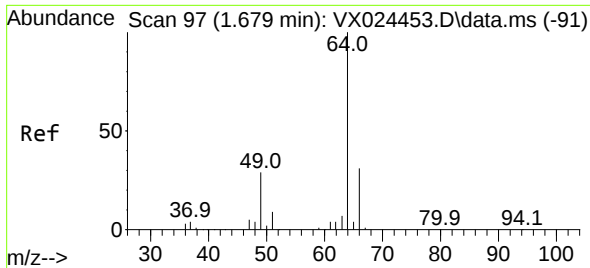
Tgt Ion:168 Resp: 148831
Ion Ratio Lower Upper
168 100
99 59.5 45.8 68.6



#3
Chloromethane
Concen: 0.319 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Tgt Ion: 50 Resp: 450
Ion Ratio Lower Upper
50 100
52 32.3 26.4 39.6

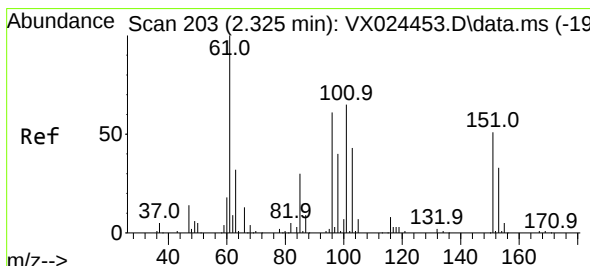
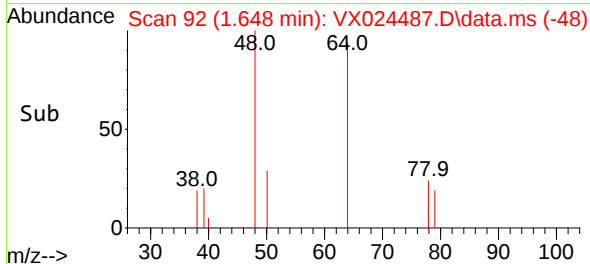
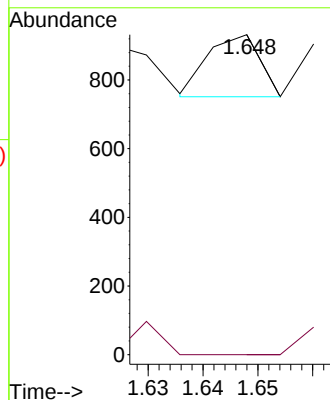
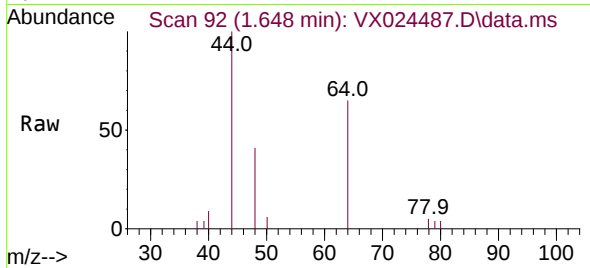




#6
Chloroethane
Concen: 0.379 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

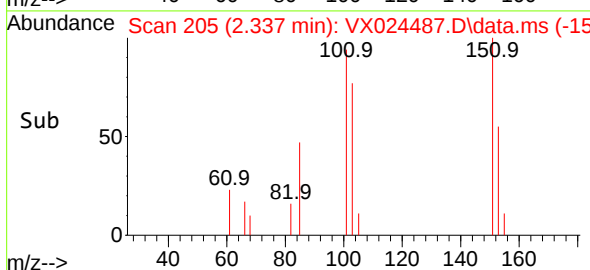
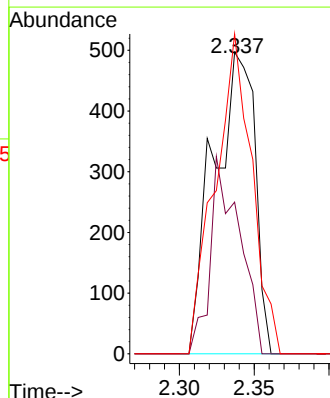
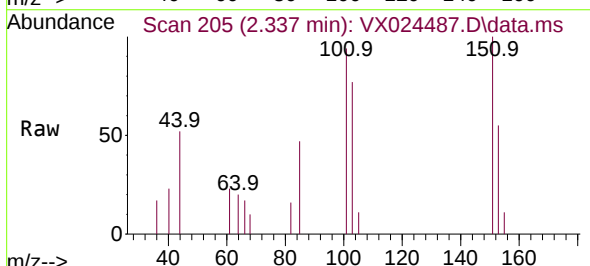
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

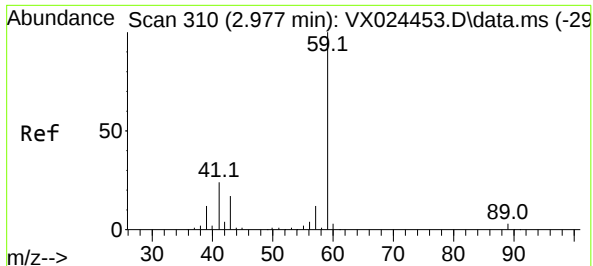
Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.647 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Tgt Ion: 101 Resp: 951
Ion Ratio Lower Upper
101 100
85 46.5 34.9 52.3
151 94.7 61.4 92.2#



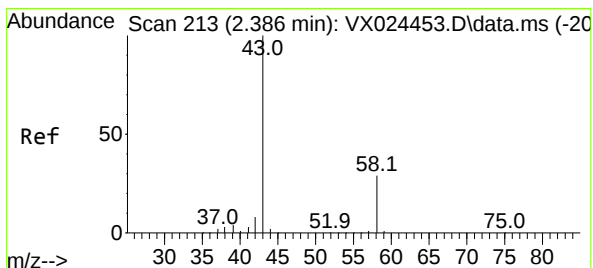
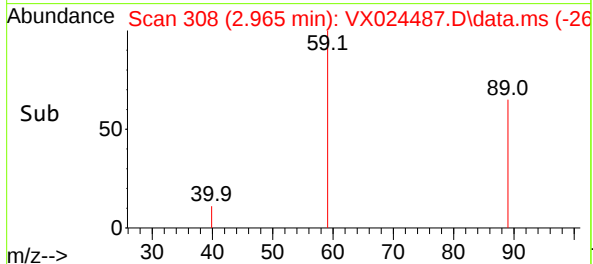
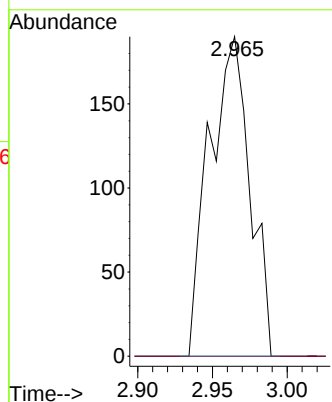
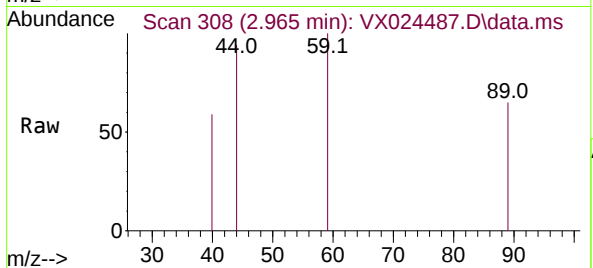


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

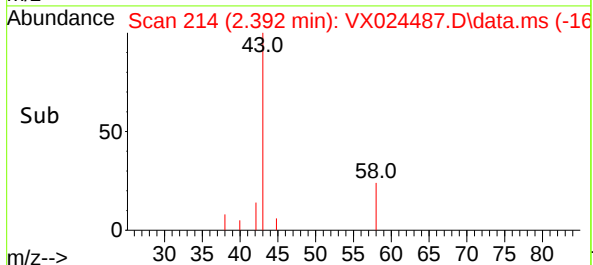
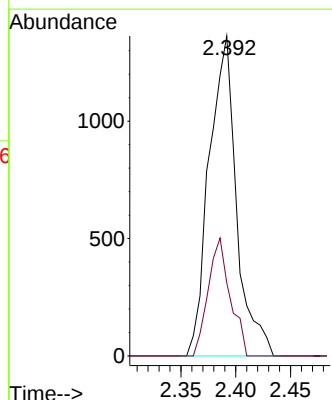
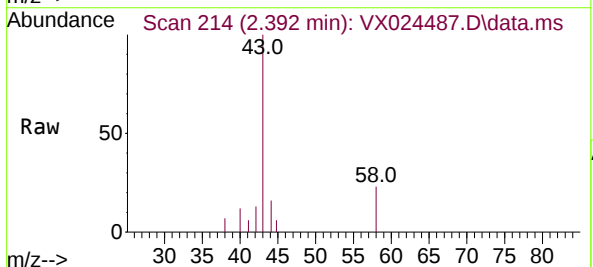
Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

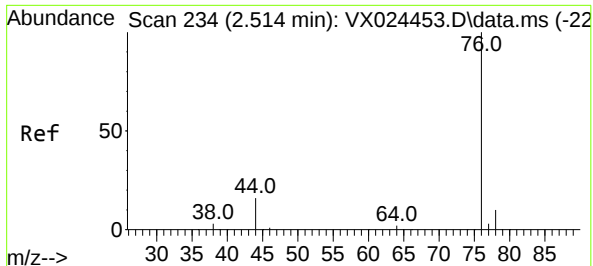


#16

Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

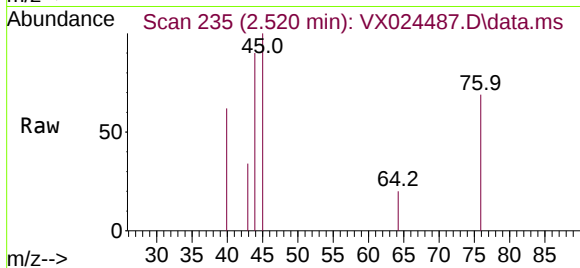
Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
58 22.9 27.8 41.8#



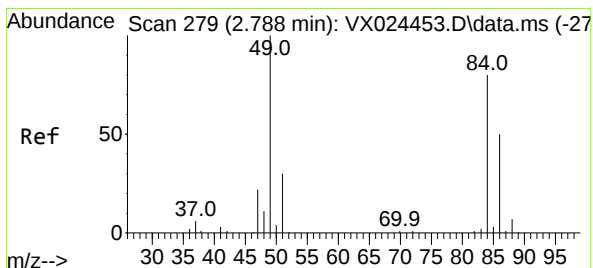
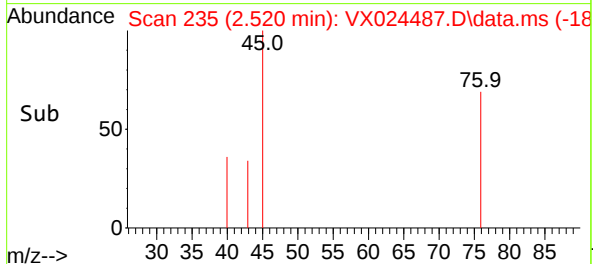
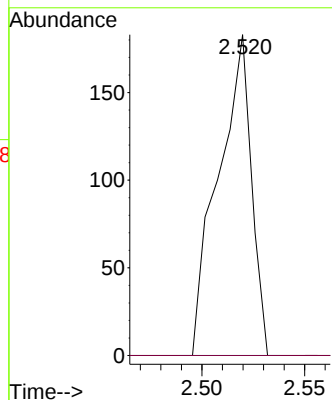


#17
Carbon Disulfide
Concen: 0.286 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

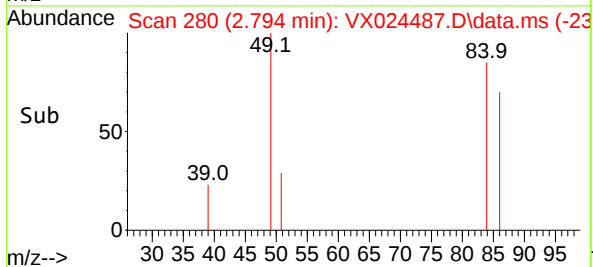
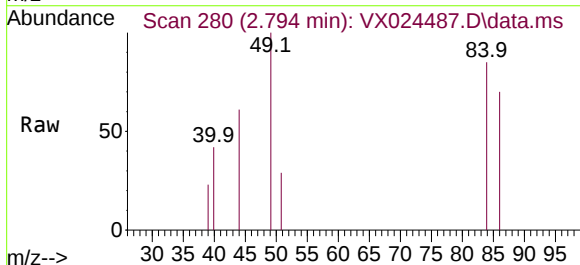
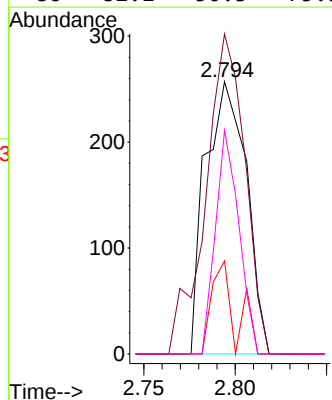


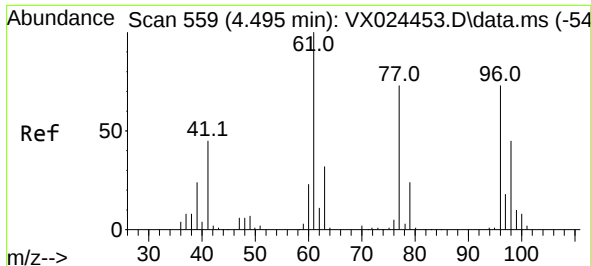
Tgt Ion: 76 Resp: 205
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Tgt Ion: 84 Resp: 401
Ion Ratio Lower Upper
84 100
49 117.5 88.6 132.8
51 34.2 27.0 40.6
86 82.1 50.3 75.5#





#27

cis-1,2-Dichloroethene

Concen: 0.229 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024487.D

Acq: 24 Sep 2021 06:59

Tgt Ion: 96 Resp: 415

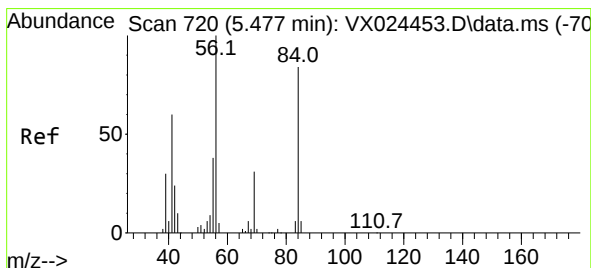
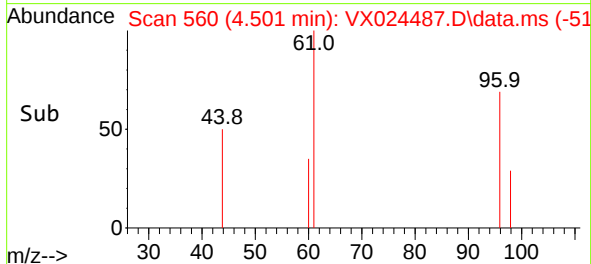
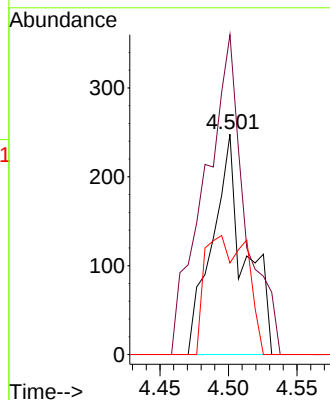
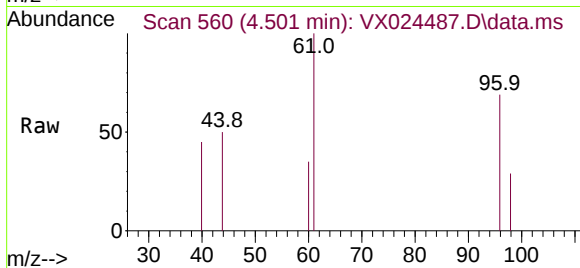
Ion	Ratio	Lower	Upper
96	100		
61	178.6	0.0	285.6
98	69.2	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20210917



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 5.562 min Scan# 734

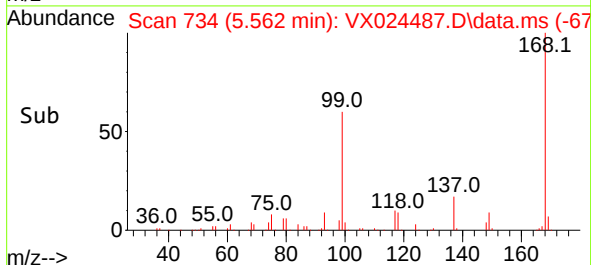
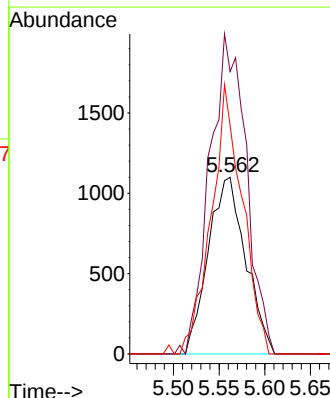
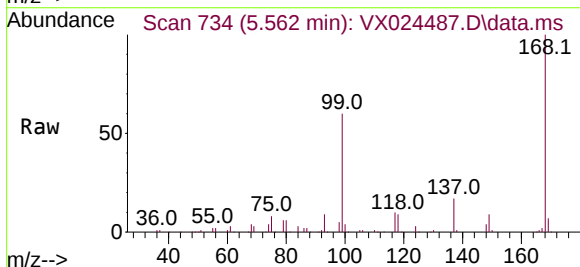
Delta R.T. 0.085 min

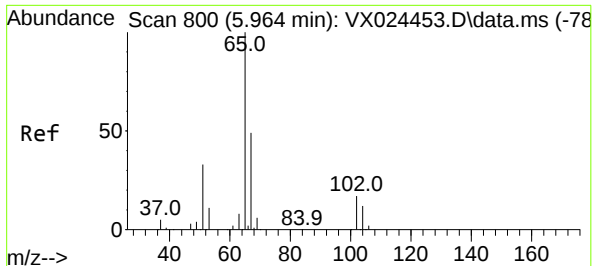
Lab File: VX024487.D

Acq: 24 Sep 2021 06:59

Tgt Ion: 56 Resp: 3138

Ion	Ratio	Lower	Upper
56	100		
69	159.8	25.3	37.9#
84	129.3	71.4	107.0#



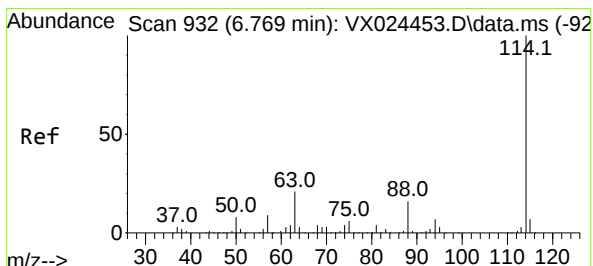
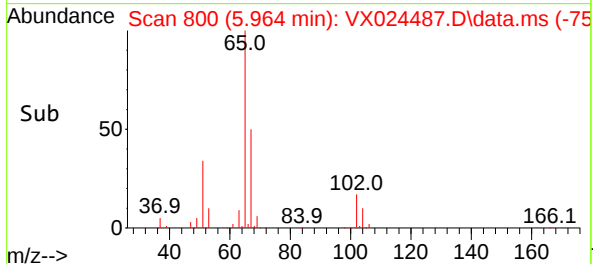
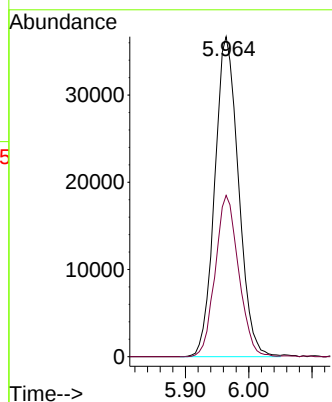
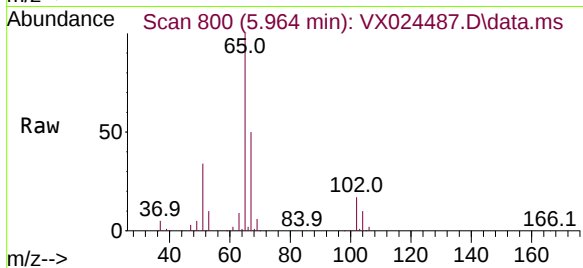


#33

1,2-Dichloroethane-d4
Concen: 45.624 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Instrument :
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ClientSampleId :
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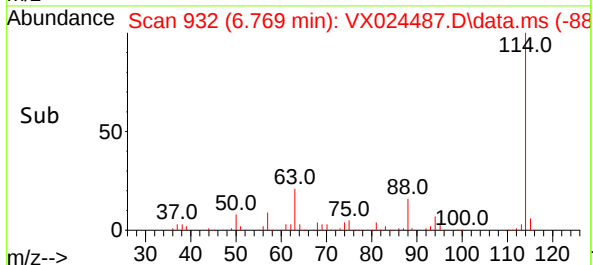
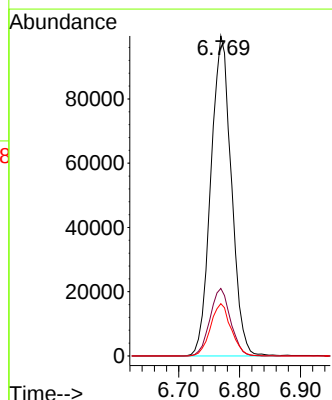
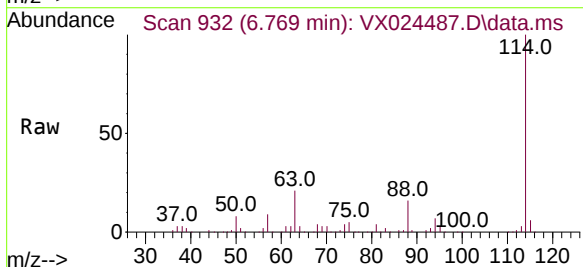
Tgt Ion: 65 Resp: 95700
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

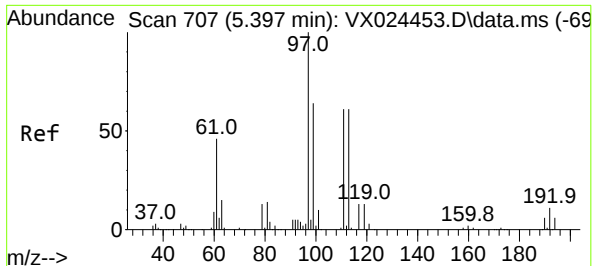


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

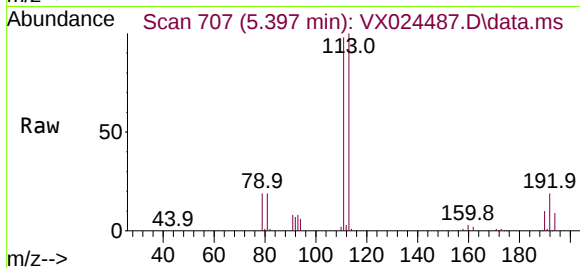
Tgt Ion: 114 Resp: 233025
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.4 0.0 32.8



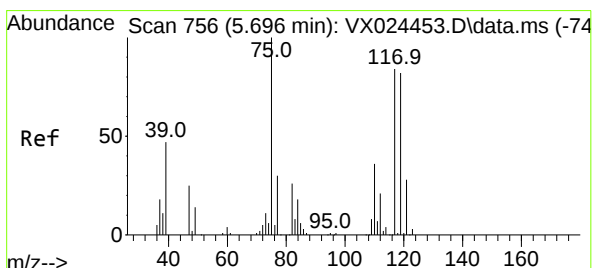
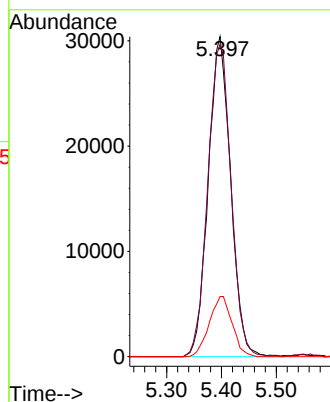
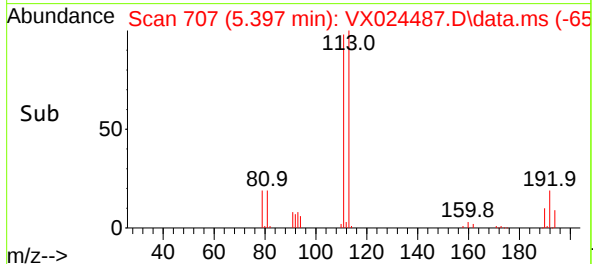


#35
Dibromofluoromethane
Concen: 55.657 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

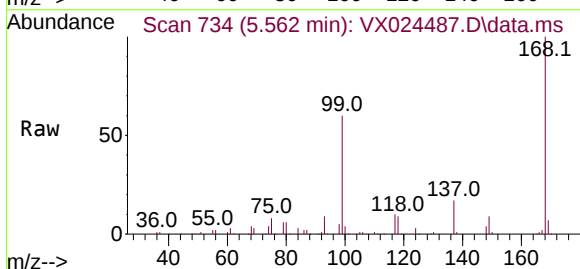
Instrument :
MSVOA_X
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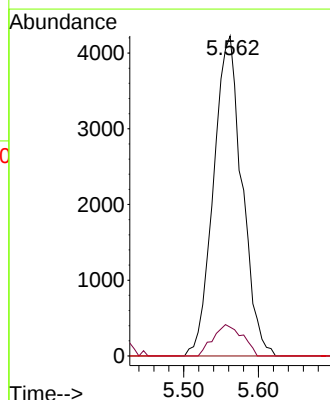
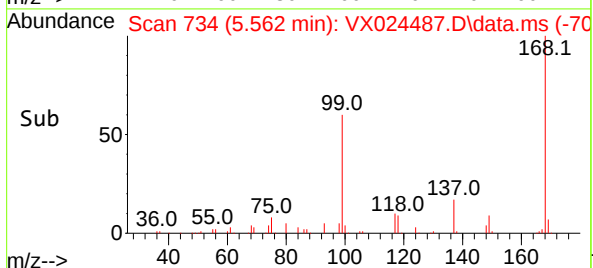
Tgt Ion:113 Resp: 86160
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 19.2 16.7 25.1

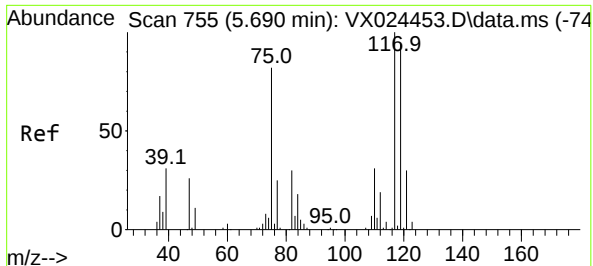


#36
1,1-Dichloropropene
Concen: 5.017 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59



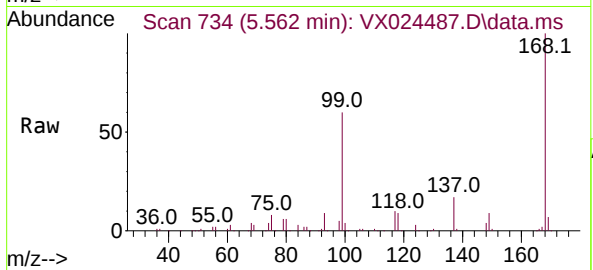
Tgt Ion: 75 Resp: 11208
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



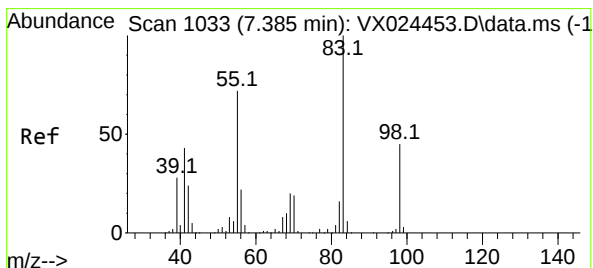
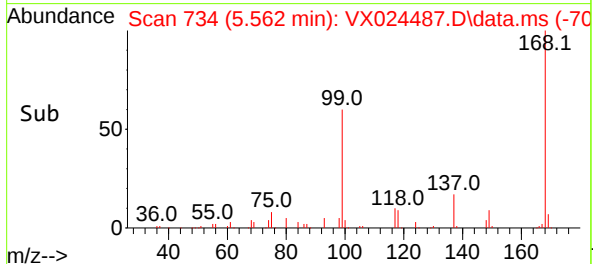
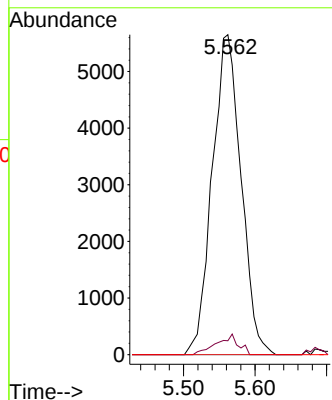


#38
Carbon Tetrachloride
Concen: 6.508 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

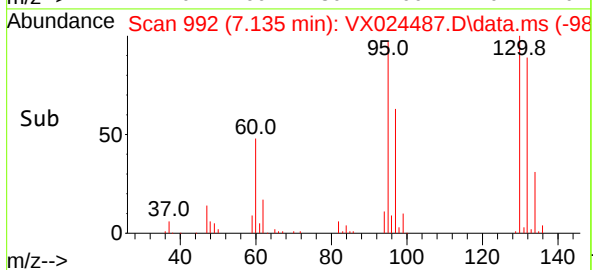
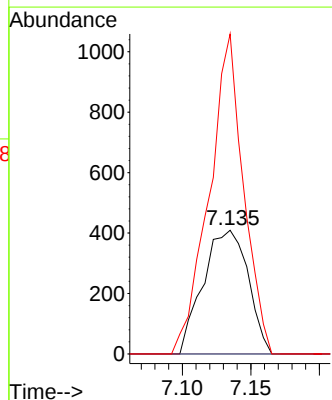
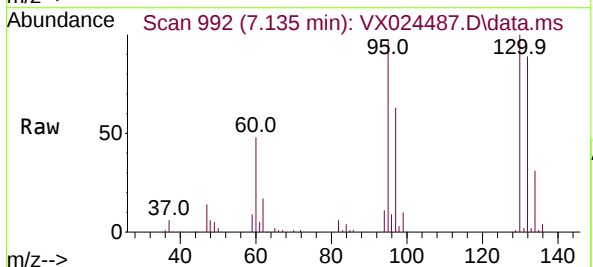


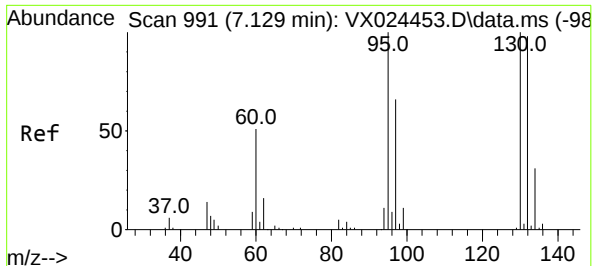
Tgt Ion:117 Resp: 15826
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.358 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Tgt Ion: 83 Resp: 937
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 258.9 38.1 57.1#

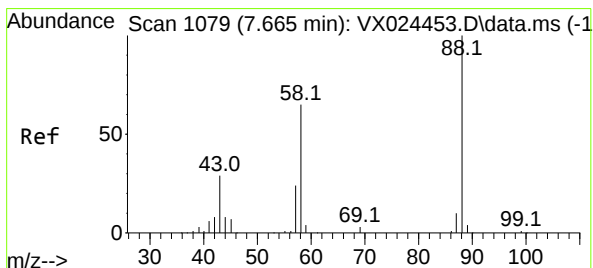
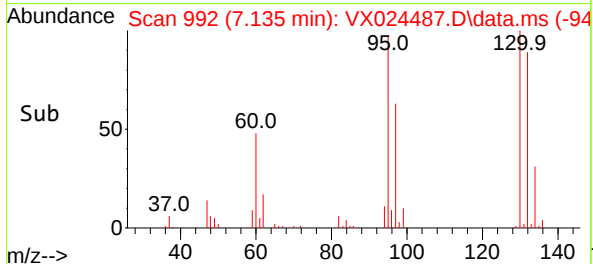
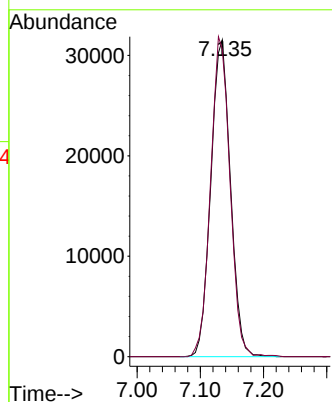
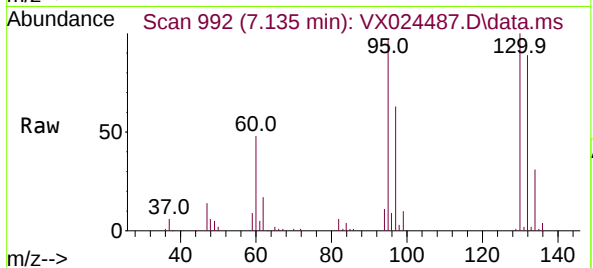




#44
Trichloroethene
Concen: 38.759 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

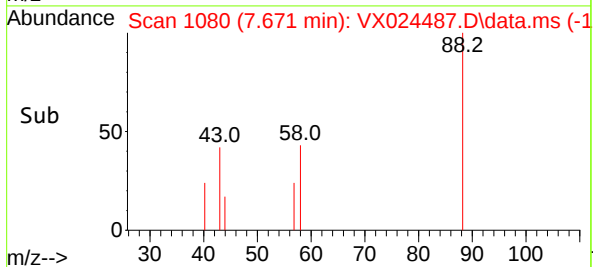
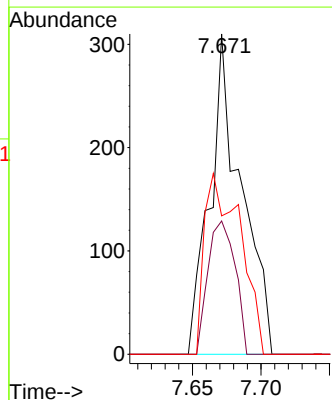
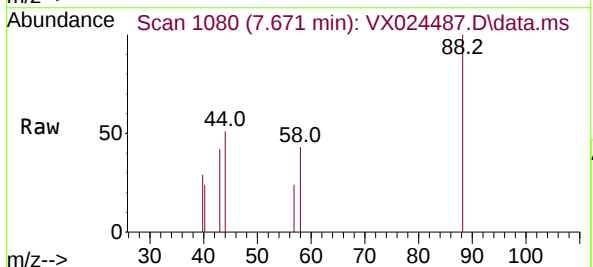
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

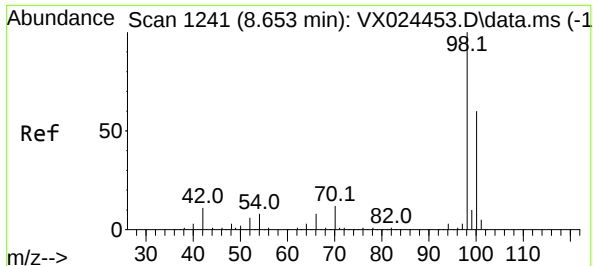
Tgt Ion:130 Resp: 68120
Ion Ratio Lower Upper
130 100
95 97.0 0.0 198.0



#49
1,4-Dioxane
Concen: 10.293 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Tgt Ion: 88 Resp: 495
Ion Ratio Lower Upper
88 100
43 36.0 23.2 34.8#
58 64.2 55.0 82.4





#50

Toluene-d8

Concen: 48.017 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024487.D

Acq: 24 Sep 2021 06:59

Tgt Ion: 98 Resp: 273582

Ion Ratio Lower Upper

98 100

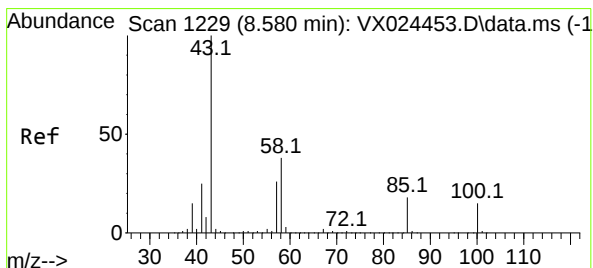
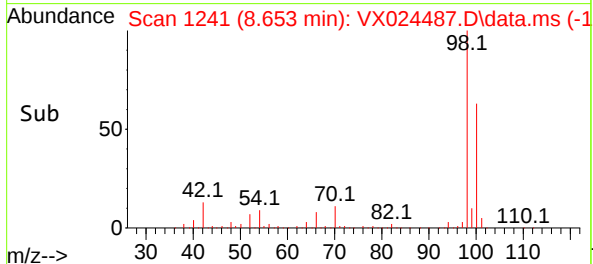
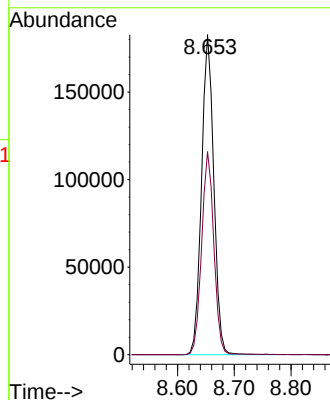
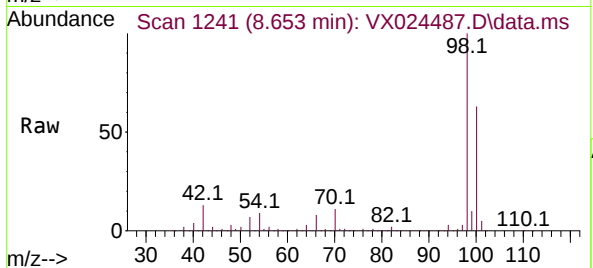
100 63.1 51.9 77.9

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20210917



#51

4-Methyl-2-Pentanone

Concen: 0.454 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX024487.D

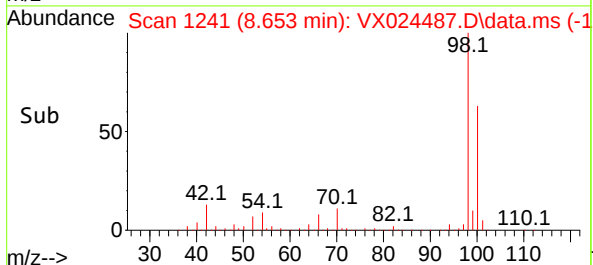
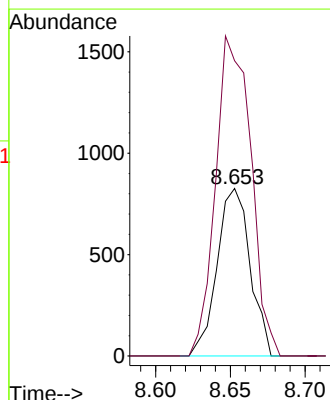
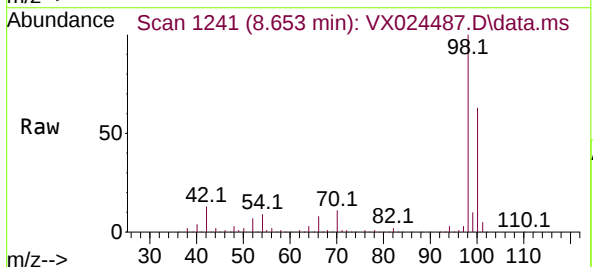
Acq: 24 Sep 2021 06:59

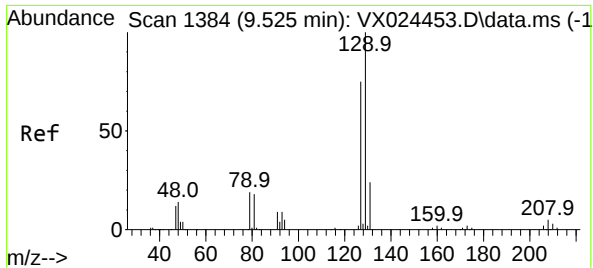
Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

58 204.2 35.4 53.0#

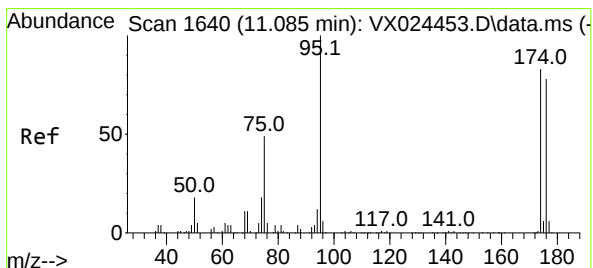
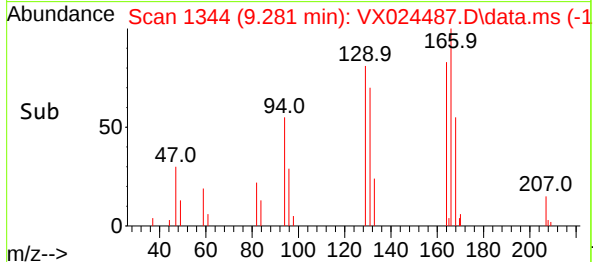
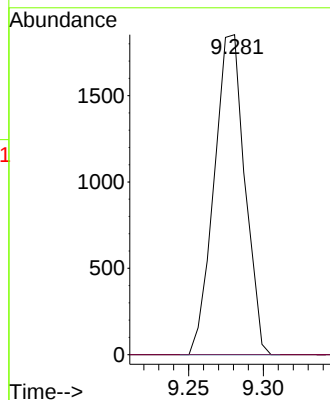
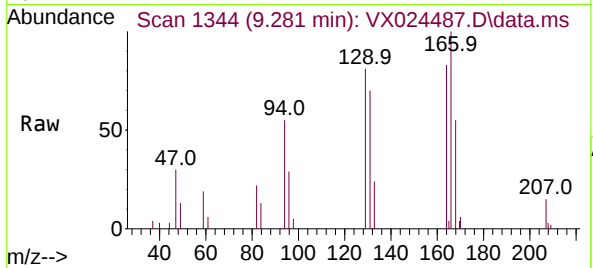




#60
Dibromochloromethane
Concen: 2.522 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

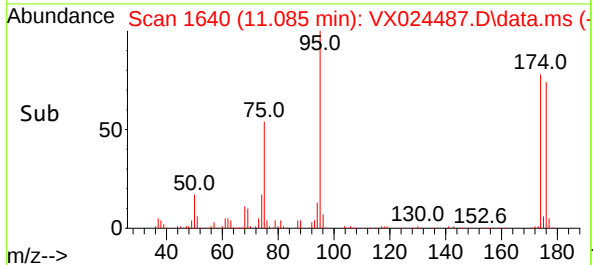
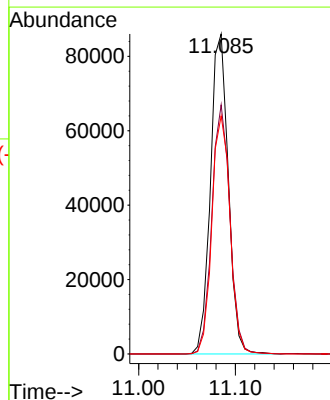
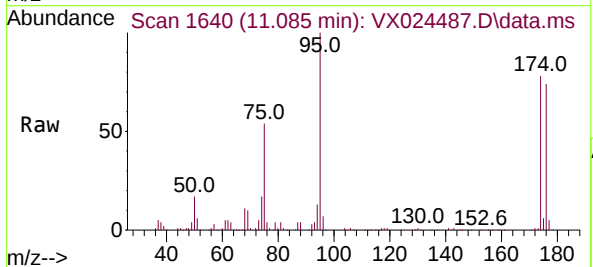
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

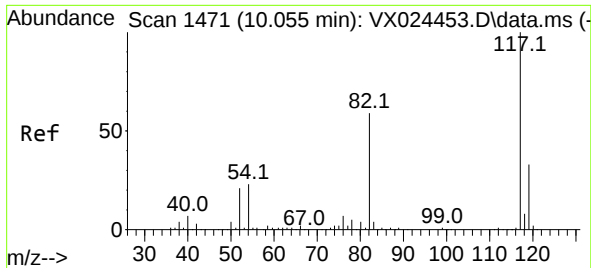
Tgt Ion:129 Resp: 2647
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.392 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Tgt Ion: 95 Resp: 110647
Ion Ratio Lower Upper
95 100
174 78.5 0.0 154.6
176 75.8 0.0 155.8

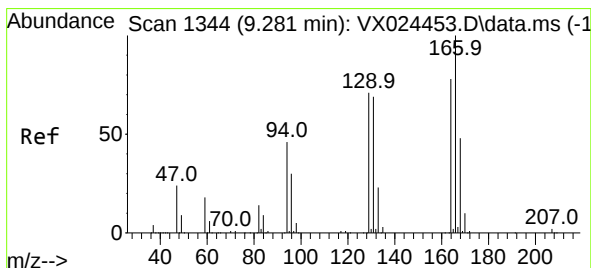
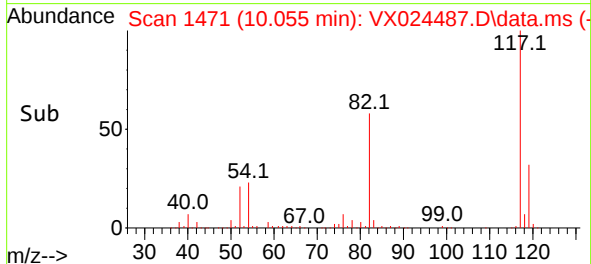
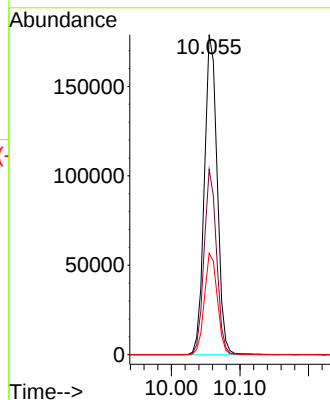
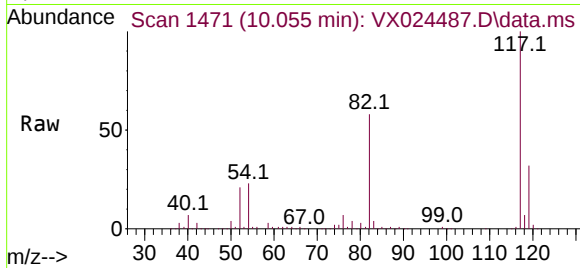




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

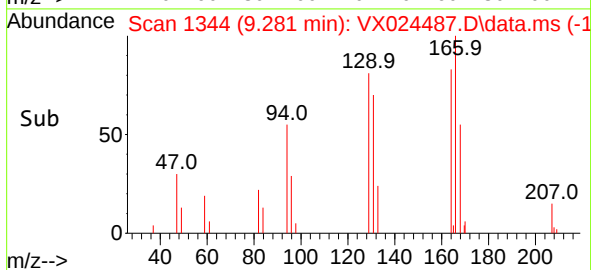
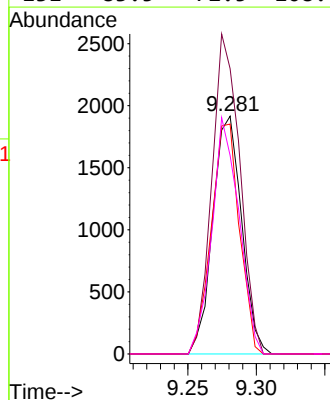
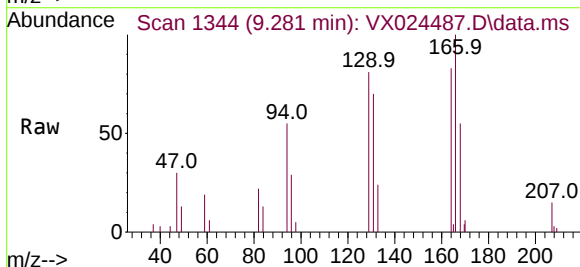
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

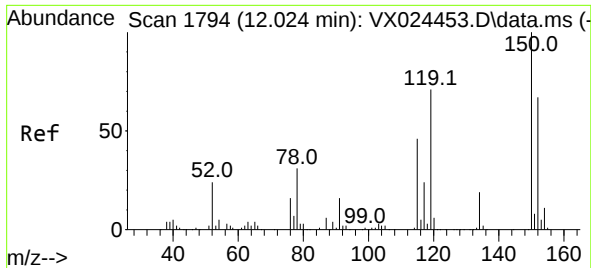
Tgt Ion:117 Resp: 233681
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.6 26.6 39.8



#64
Tetrachloroethene
Concen: 1.733 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

Tgt Ion:164 Resp: 2802
Ion Ratio Lower Upper
164 100
166 120.0 103.4 155.2
129 96.8 70.8 106.2
131 83.5 72.5 108.7

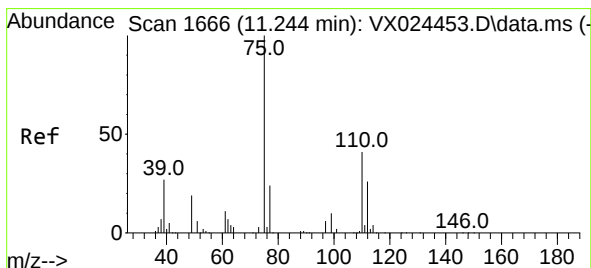
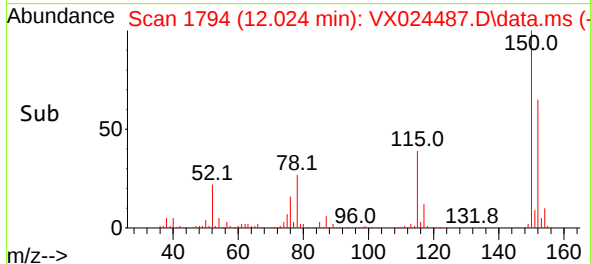
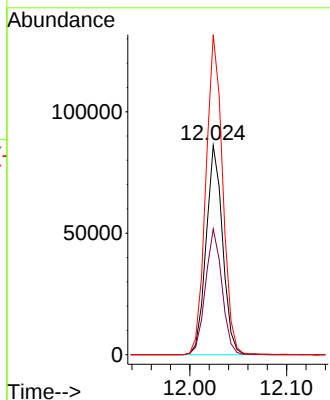
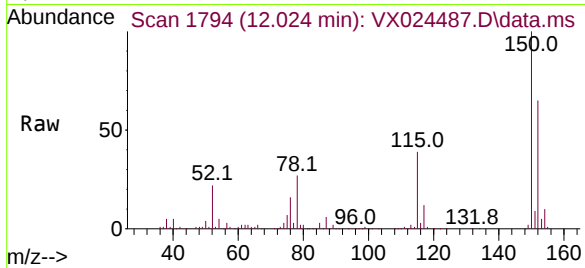




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

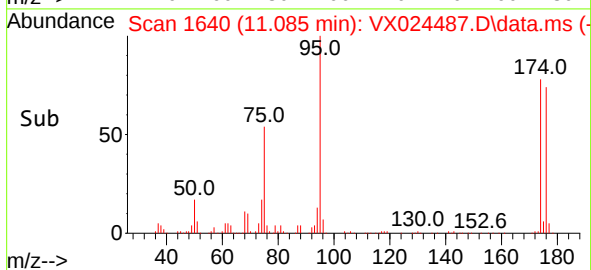
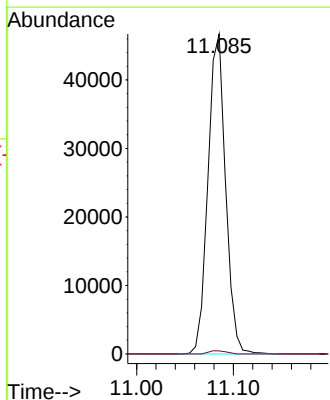
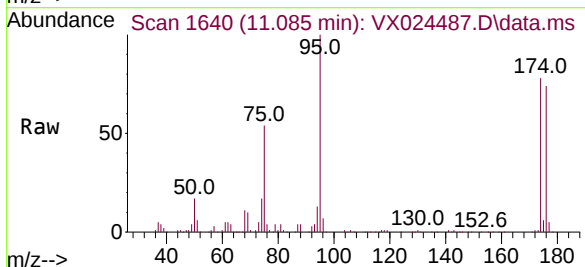
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210917

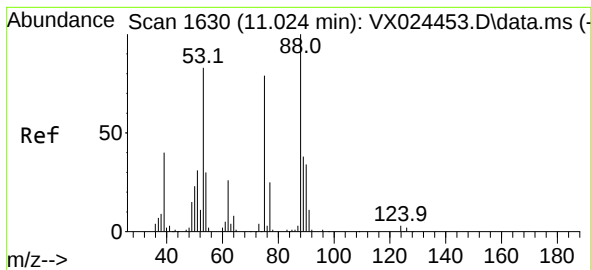
Tgt Ion:152 Resp: 102105
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 155.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.514 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024487.D
Acq: 24 Sep 2021 06:59

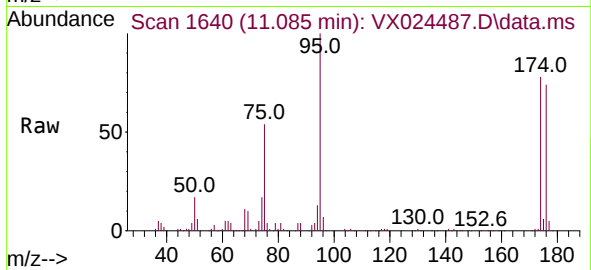
Tgt Ion: 75 Resp: 59161
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.536 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024487.D
 Acq: 24 Sep 2021 06:59

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20210917



Tgt Ion: 75 Resp: 59161
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

