

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
 Data File : VX024373.D
 Acq On : 21 Sep 2021 01:30
 Operator : JC/MD
 Sample : M3782-14DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20210915DL

Quant Time: Sep 21 08:45:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

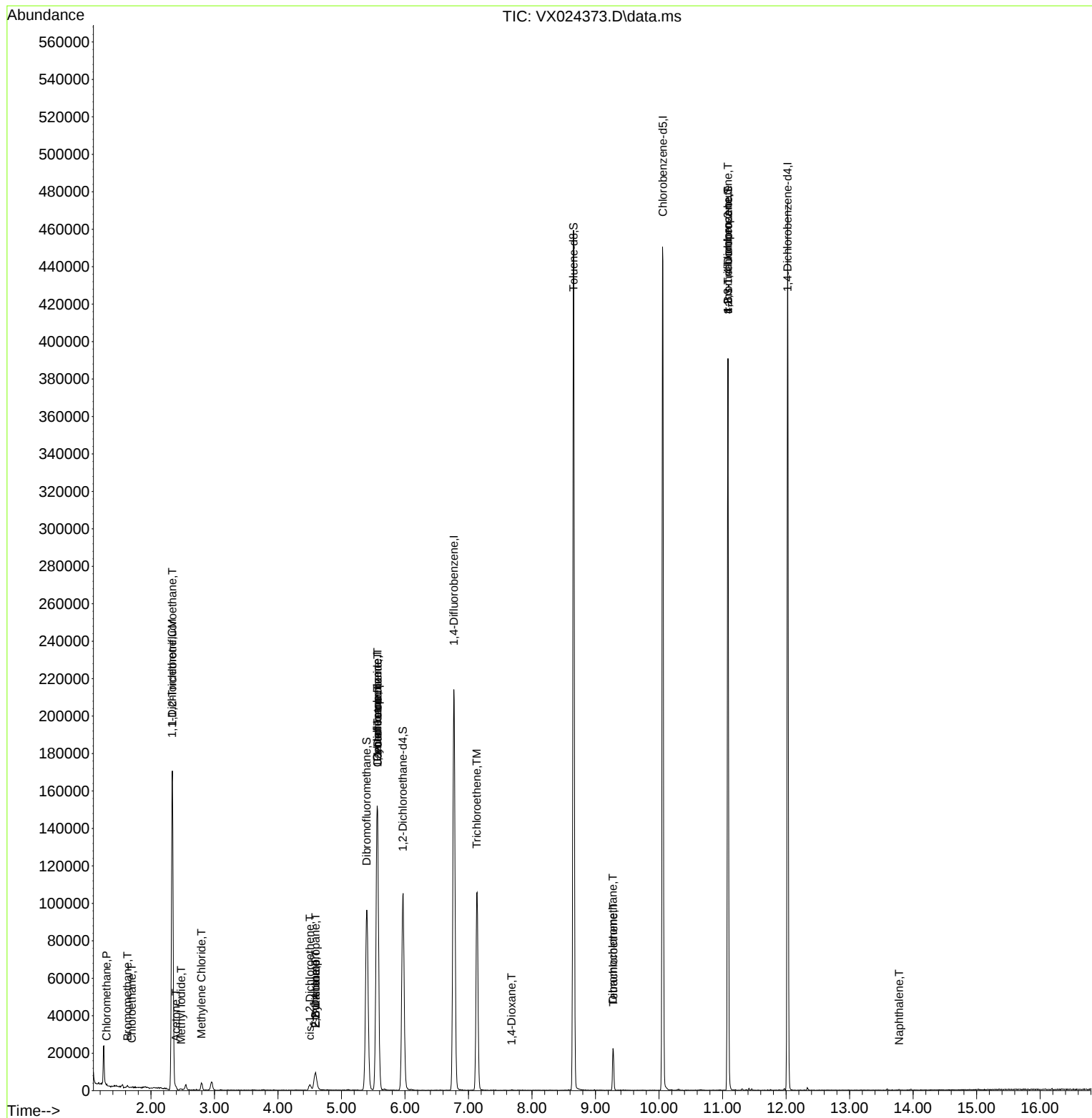
Internal Standards						
1) Pentafluorobenzene	5.562	168	141849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	211475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	202291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107848	53.318	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	106.640%	
35) Dibromofluoromethane	5.397	113	83573	58.927	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	117.860%	
50) Toluene-d8	8.653	98	260902	50.498	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	101.000%	
62) 4-Bromofluorobenzene	11.085	95	94788	47.143	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	94.280%	
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	313	0.220	ug/l #	73
5) Bromomethane	1.630	94	409	0.485	ug/l	82
6) Chloroethane	1.697	64	88	2.076	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	66766	47.810	ug/l	96
10) Methyl Iodide	2.477	142	891	0.461	ug/l #	91
11) Tert butyl alcohol	2.959	59	2858	Below Cal	#	73
12) 1,1-Dichloroethene	2.331	96	929	0.710	ug/l #	69
16) Acetone	2.392	43	1382	1.602	ug/l	92
20) Methylene Chloride	2.794	84	1850	1.117	ug/l #	80
25) 2-Butanone	4.593	43	701	0.552	ug/l #	45
26) 2,2-Dichloropropane	4.593	77	670	0.279	ug/l #	52
27) cis-1,2-Dichloroethene	4.501	96	2108	1.275	ug/l	84
31) Cyclohexane	5.562	56	3122	1.320	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	11039	5.678	ug/l #	49
37) Ethyl Acetate	4.593	43	701	0.309	ug/l #	43
38) Carbon Tetrachloride	5.568	117	15420	7.046	ug/l #	16
44) Trichloroethene	7.129	130	40243	25.684	ug/l	100
49) 1,4-Dioxane	7.677	88	191	5.069	ug/l #	45
60) Dibromochloromethane	9.275	129	4049	3.941	ug/l #	11
64) Tetrachloroethene	9.281	164	3784	2.415	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	51906	24.447	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51906	71.900	ug/l #	12
95) Naphthalene	13.780	128	396	1.346	ug/l #	69

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

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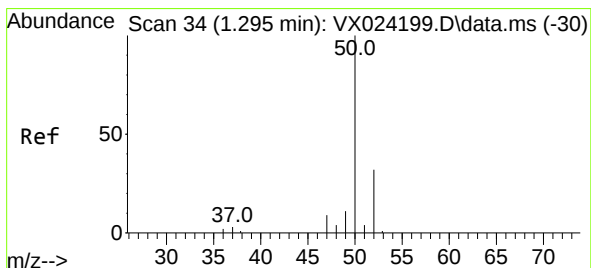
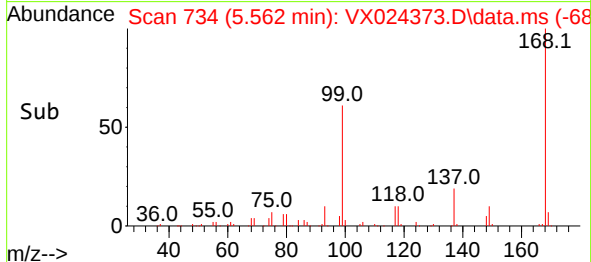
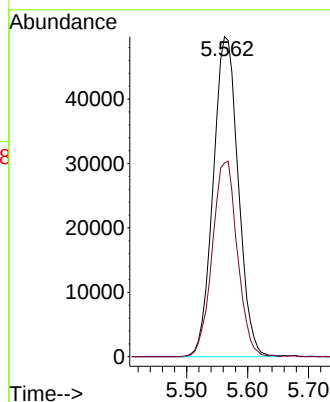
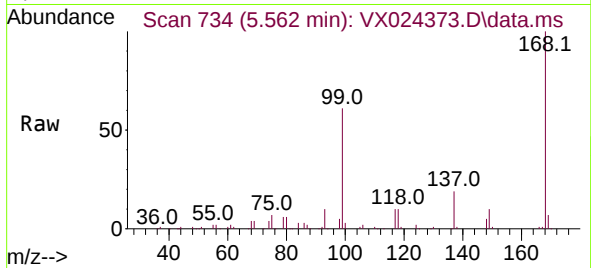




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

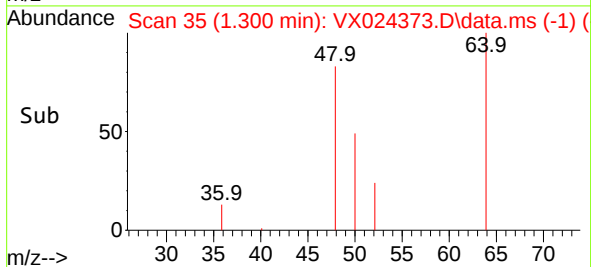
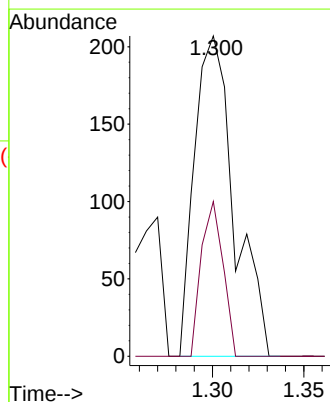
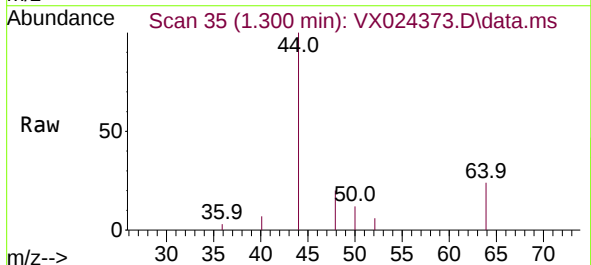
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

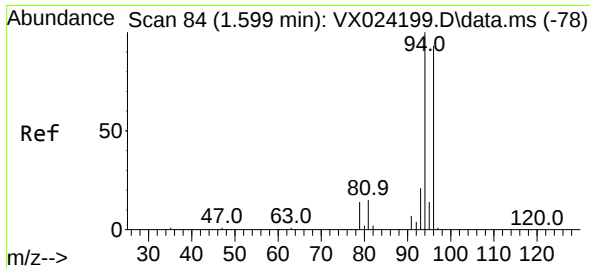
Tgt Ion:168 Resp: 141849
Ion Ratio Lower Upper
168 100
99 60.5 45.8 68.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 48.3 26.4 39.6#

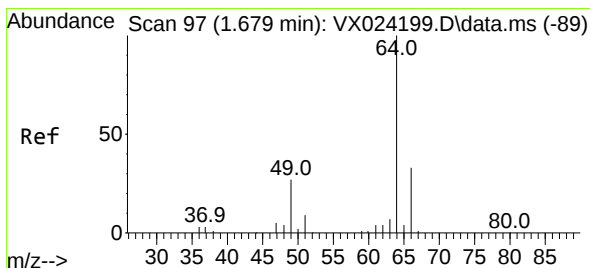
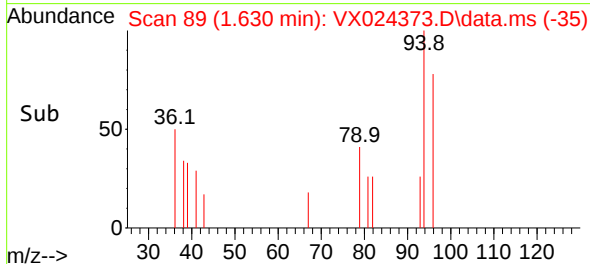
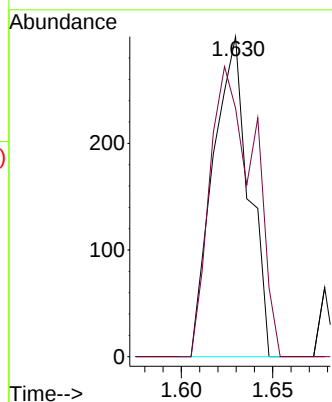
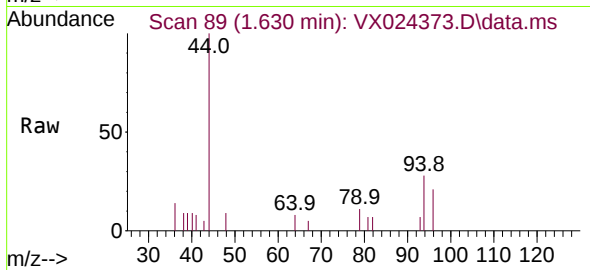




#5
Bromomethane
Concen: 0.485 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

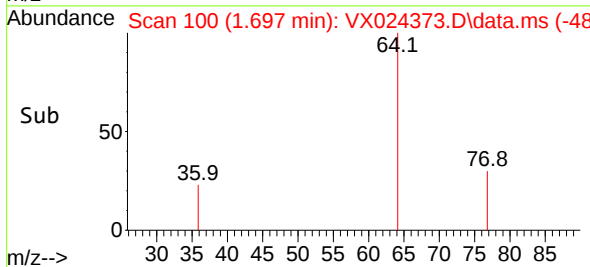
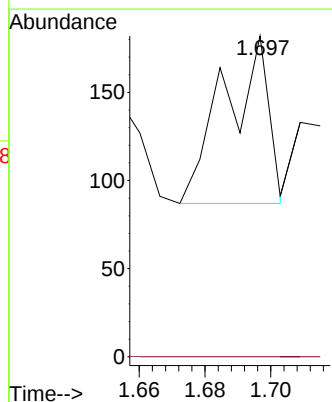
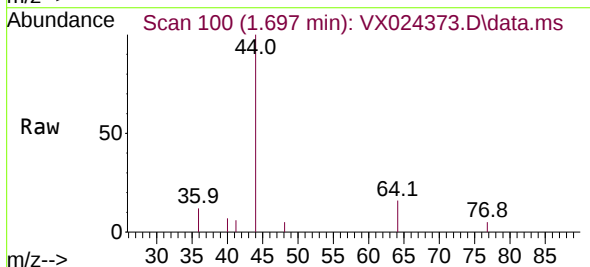
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

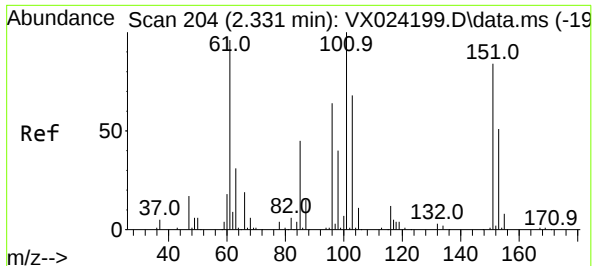
Tgt Ion: 94 Resp: 409
Ion Ratio Lower Upper
94 100
96 77.7 76.4 114.6



#6
Chloroethane
Concen: 2.076 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion: 64 Resp: 88
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

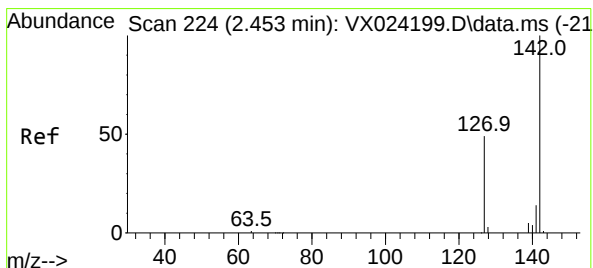
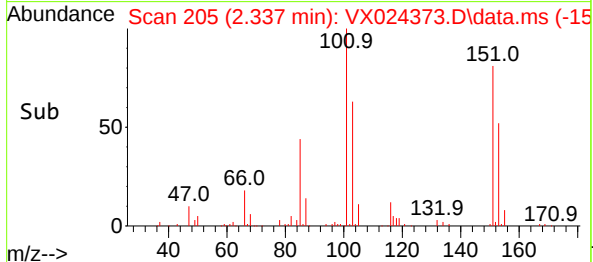
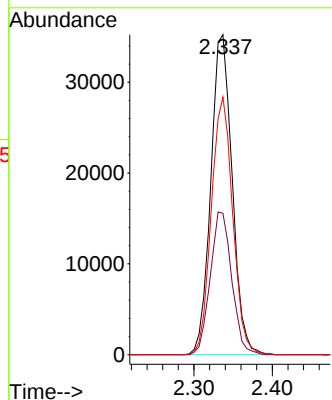
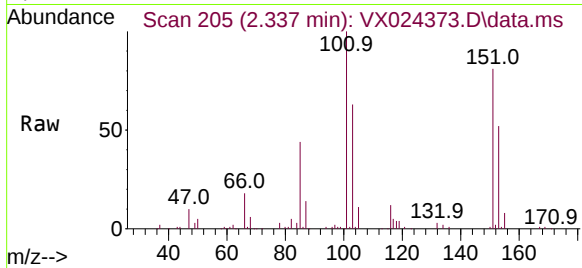




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.810 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

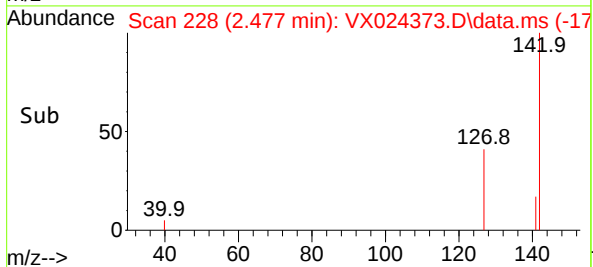
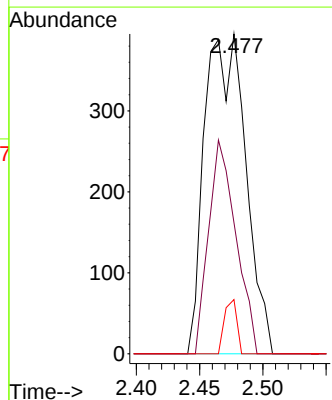
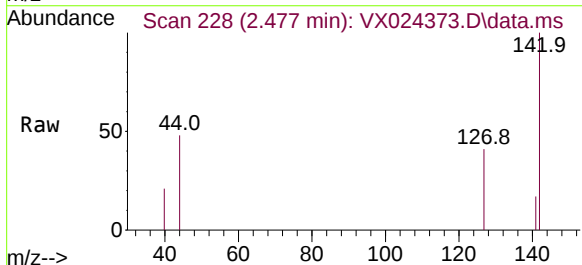
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

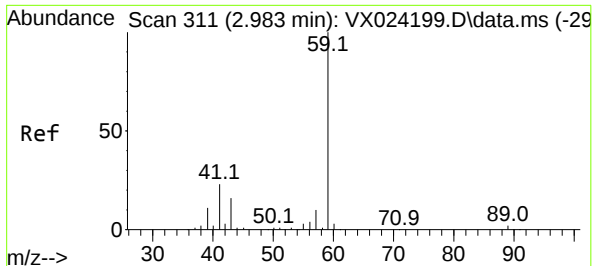
Tgt Ion:101 Resp: 66766
Ion Ratio Lower Upper
101 100
85 44.8 34.9 52.3
151 80.7 61.4 92.2



#10
Methyl Iodide
Concen: 0.461 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion:142 Resp: 891
Ion Ratio Lower Upper
142 100
127 44.4 33.3 49.9
141 5.1 11.4 17.0#



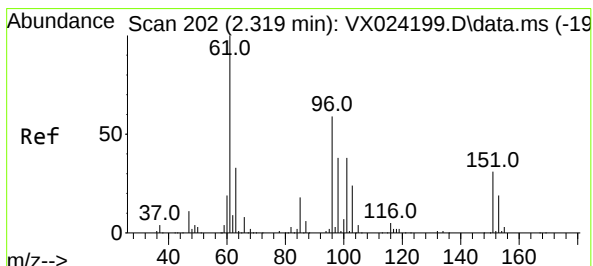
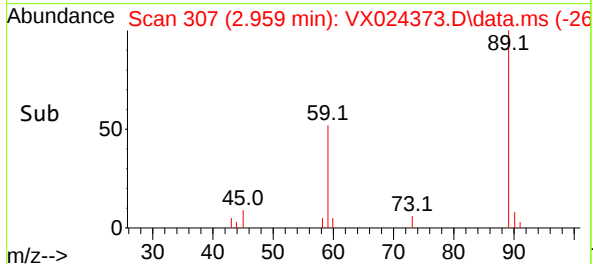
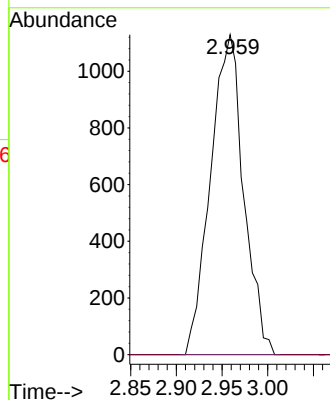
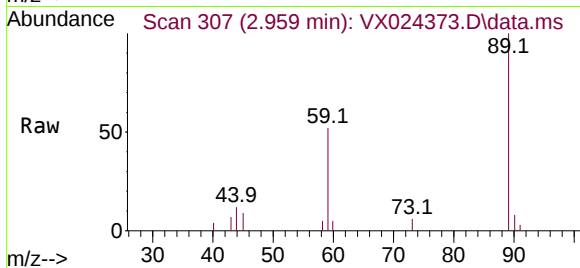


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

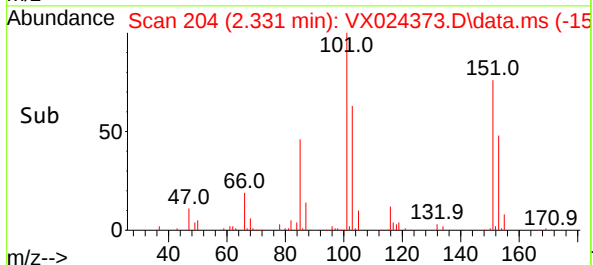
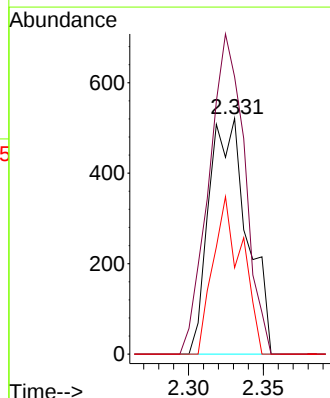
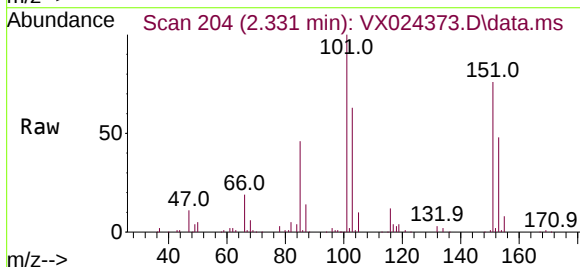
Tgt Ion: 59 Resp: 2858
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

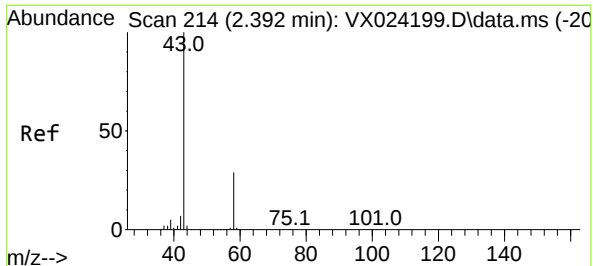


#12

1,1-Dichloroethene
Concen: 0.710 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.012 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion: 96 Resp: 929
Ion Ratio Lower Upper
96 100
61 117.7 124.6 187.0#
98 36.7 50.6 76.0#

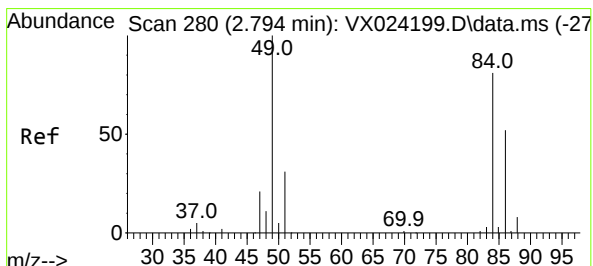
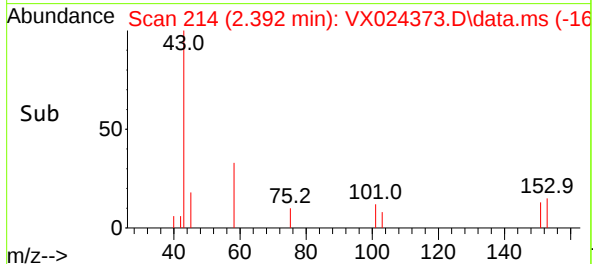
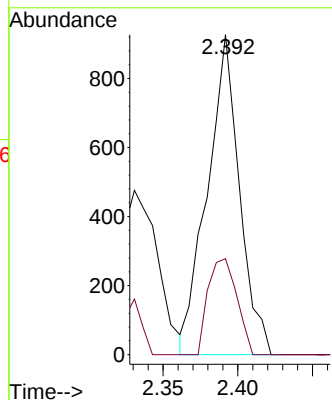
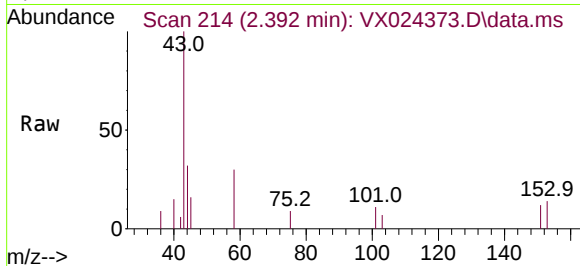




#16
Acetone
Concen: 1.602 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

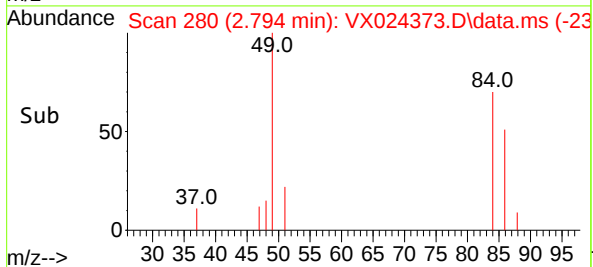
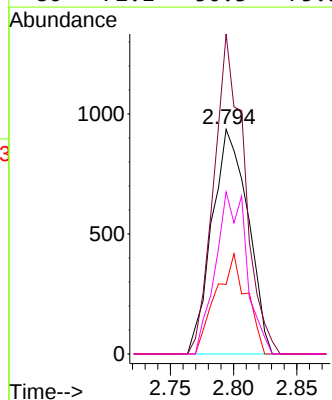
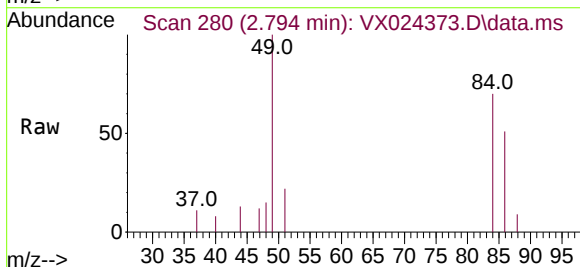
Instrument :
MSVOA_X
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RE131D2-20210915DL

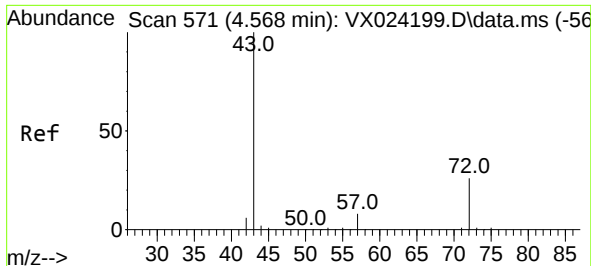
Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8



#20
Methylene Chloride
Concen: 1.117 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion: 84 Resp: 1850
Ion Ratio Lower Upper
84 100
49 142.4 88.6 132.8#
51 31.0 27.0 40.6
86 72.1 50.3 75.5





#25

2-Butanone

Concen: 0.552 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

Tgt Ion: 43 Resp: 701

Ion Ratio Lower Upper

43 100

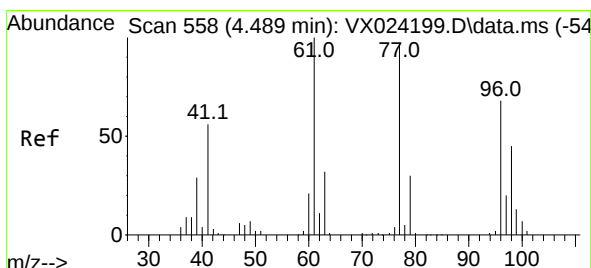
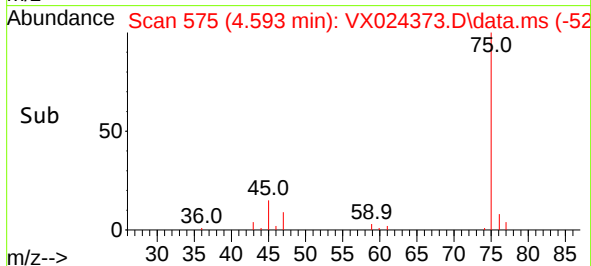
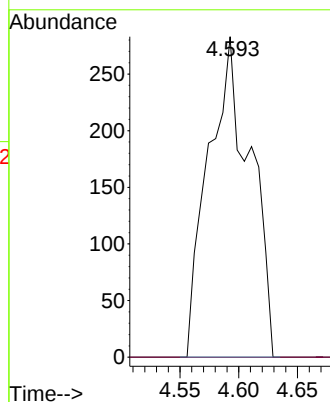
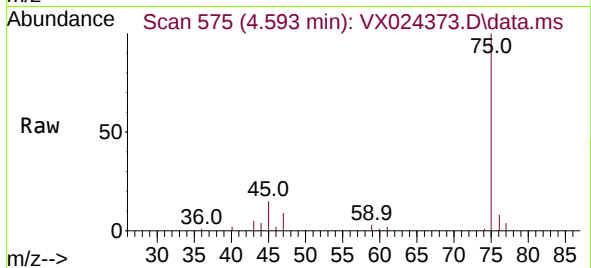
72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20210915DL



#26

2,2-Dichloropropane

Concen: 0.279 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.104 min

Lab File: VX024373.D

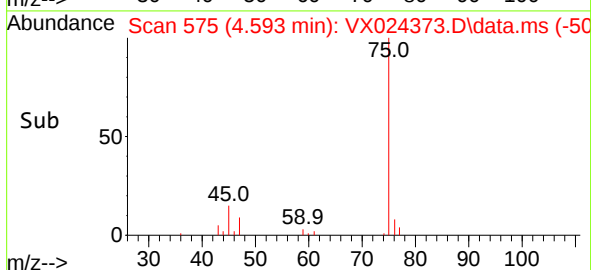
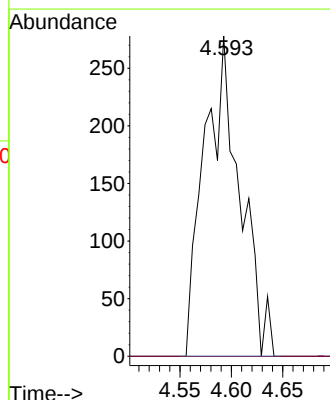
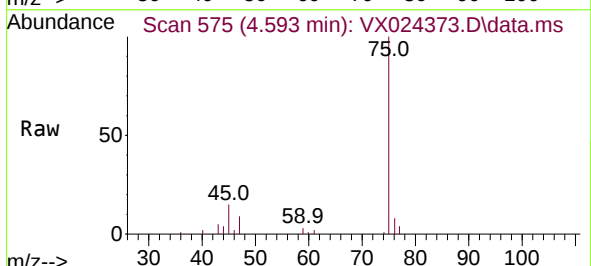
Acq: 21 Sep 2021 01:30

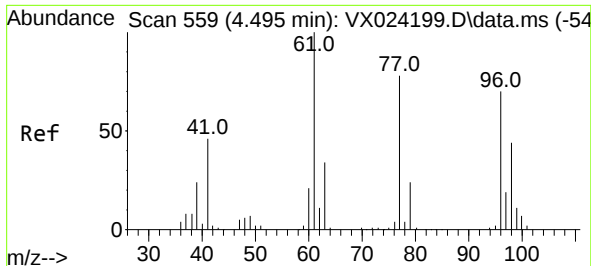
Tgt Ion: 77 Resp: 670

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#27

cis-1,2-Dichloroethene

Concen: 1.275 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

Tgt Ion: 96 Resp: 2108

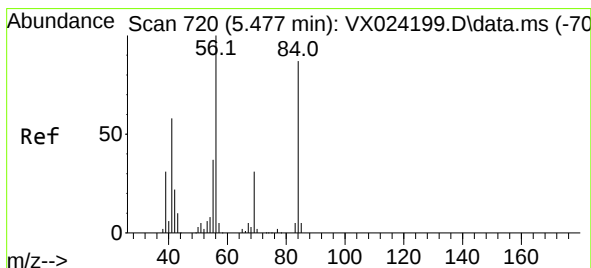
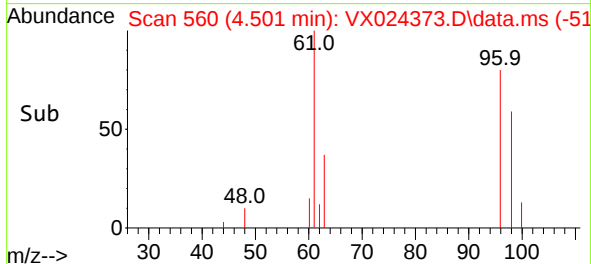
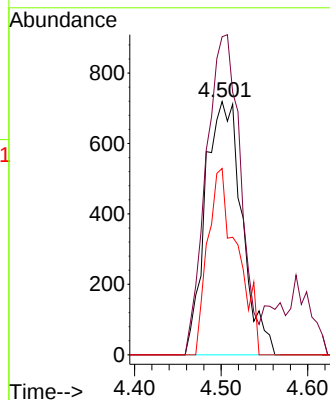
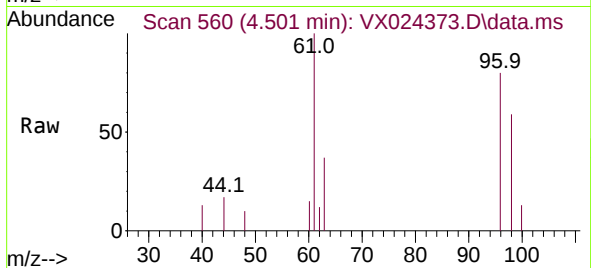
Ion	Ratio	Lower	Upper
96	100		
61	118.4	0.0	285.6
98	59.4	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20210915DL



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 5.562 min Scan# 734

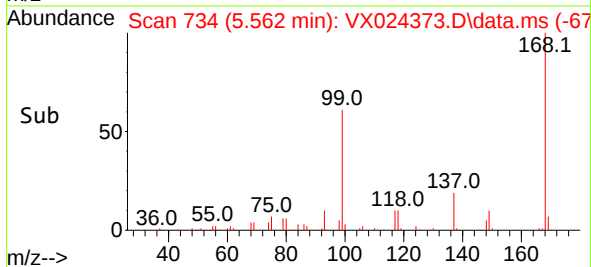
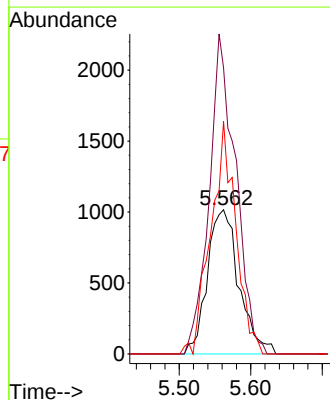
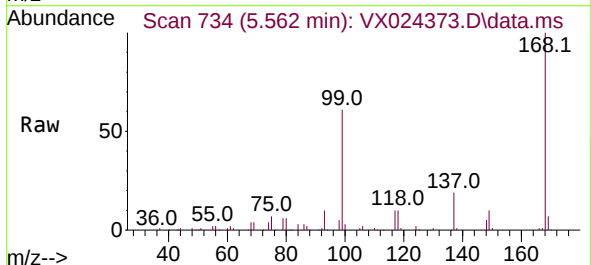
Delta R.T. 0.085 min

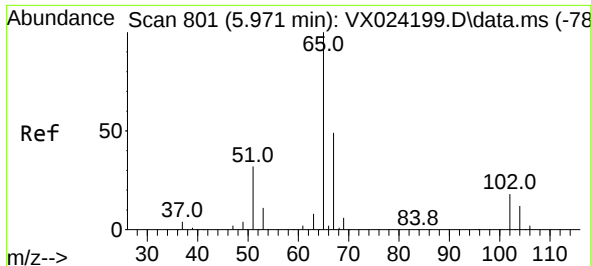
Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

Tgt Ion: 56 Resp: 3122

Ion	Ratio	Lower	Upper
56	100		
69	198.4	25.3	37.9#
84	161.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.318 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

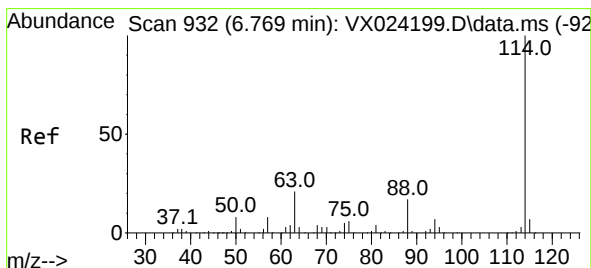
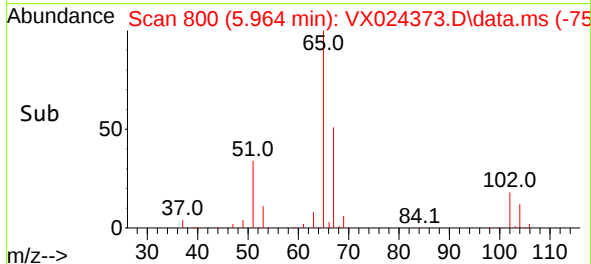
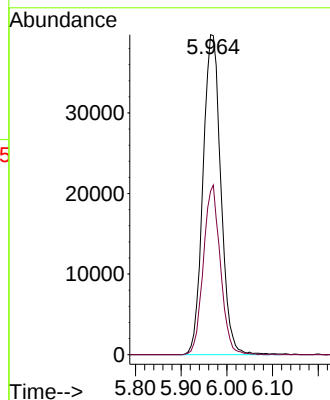
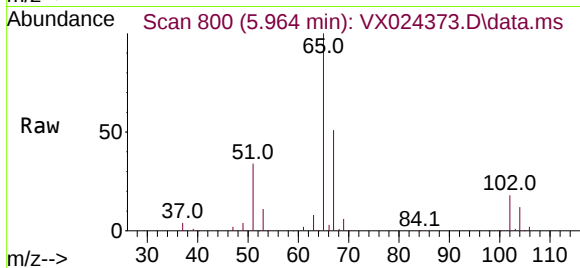
Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

Tgt Ion: 65 Resp: 107848

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

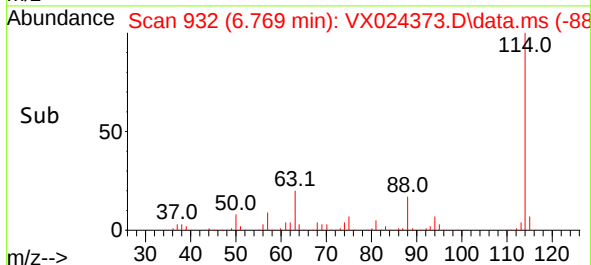
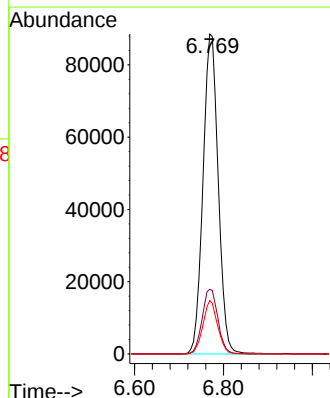
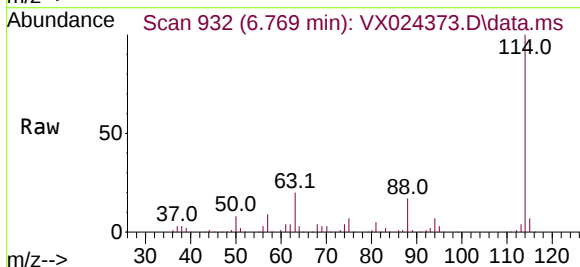
Lab File: VX024373.D

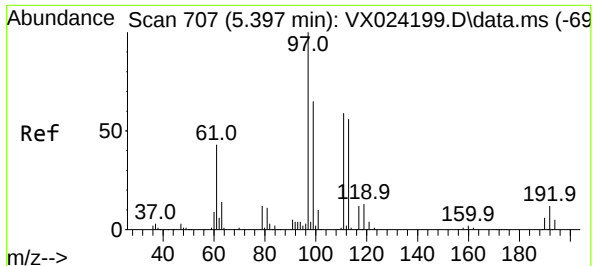
Acq: 21 Sep 2021 01:30

Tgt Ion: 114 Resp: 211475

Ion Ratio Lower Upper

114	100		
63	20.2	0.0	40.8
88	16.7	0.0	32.8





#35

Dibromofluoromethane

Concen: 58.927 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

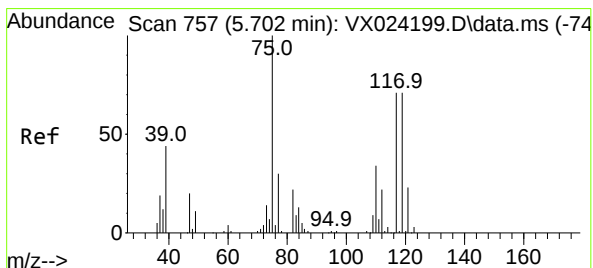
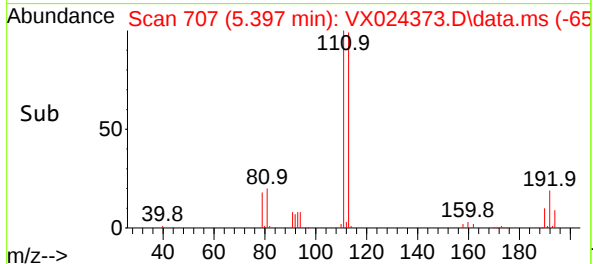
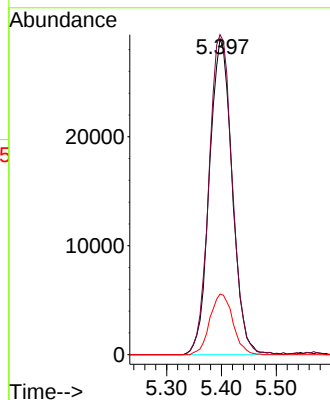
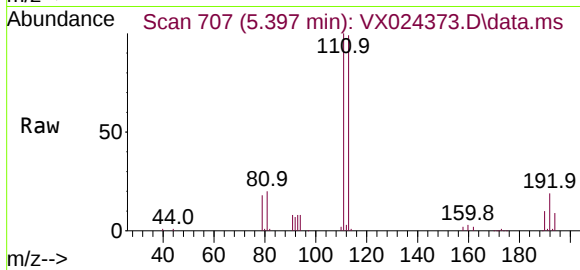
Tgt Ion:113 Resp: 83573

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 19.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.678 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

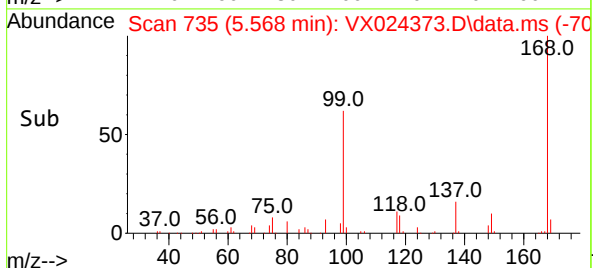
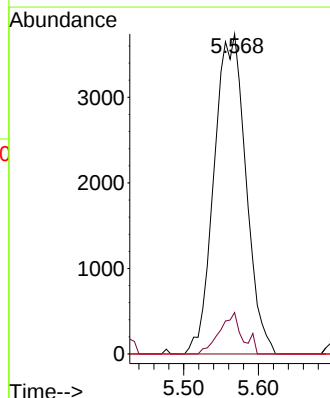
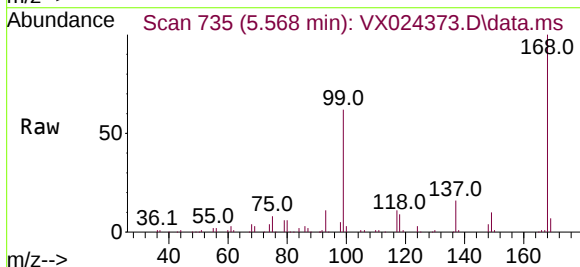
Tgt Ion: 75 Resp: 11039

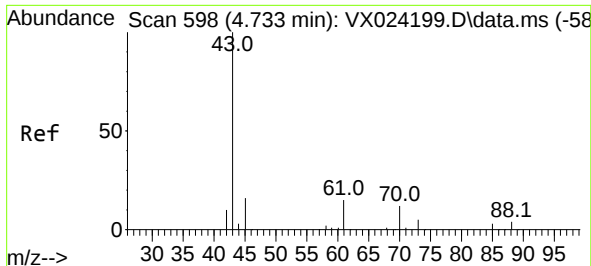
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.309 ug/l

RT: 4.593 min Scan# 575

Delta R.T. -0.140 min

Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

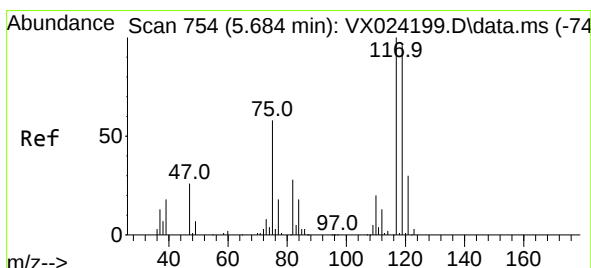
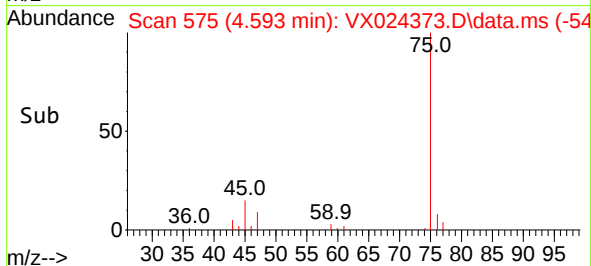
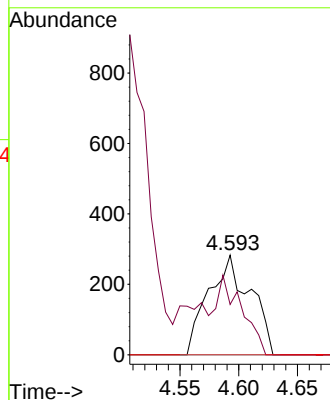
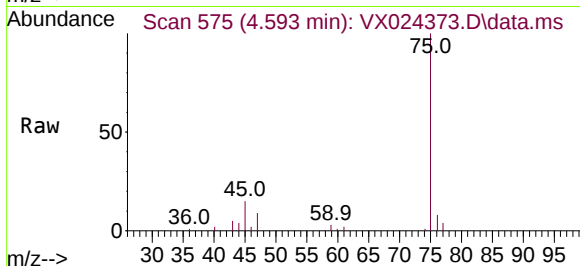
Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20210915DL

Tgt Ion:	43	Resp:	701
Ion	Ratio	Lower	Upper
43	100		
61	48.6	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 7.046 ug/l

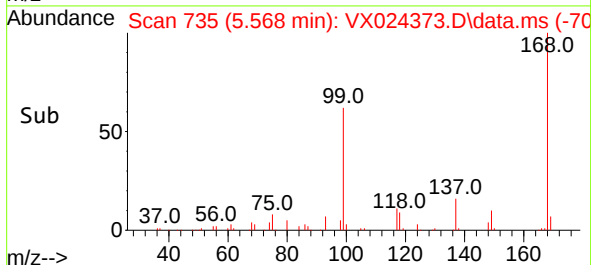
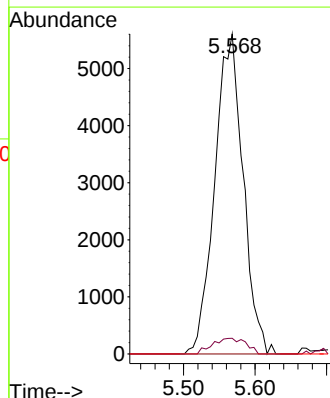
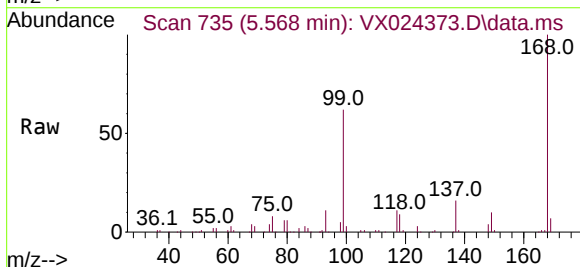
RT: 5.568 min Scan# 735

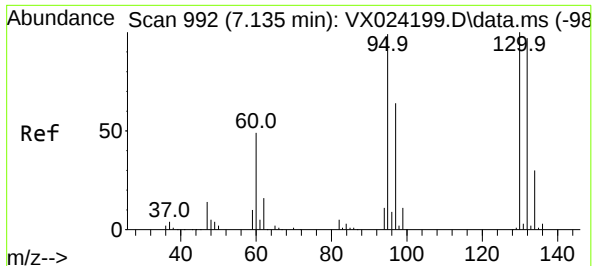
Delta R.T. -0.116 min

Lab File: VX024373.D

Acq: 21 Sep 2021 01:30

Tgt Ion:	117	Resp:	15420
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.2#
121	0.0	24.8	37.2#

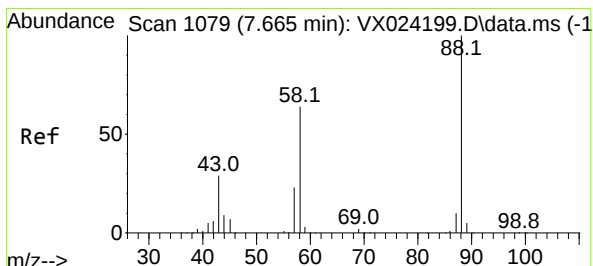
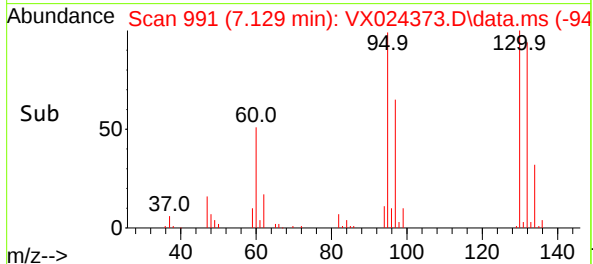
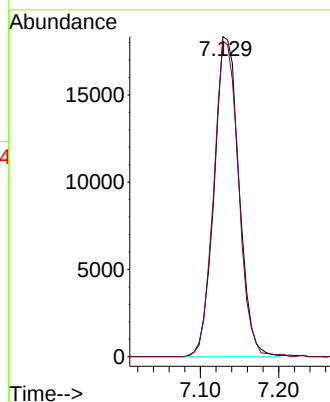
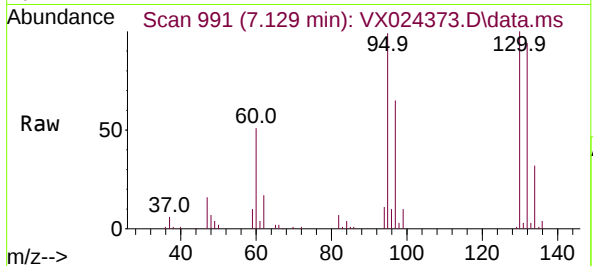




#44
Trichloroethene
Concen: 25.684 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

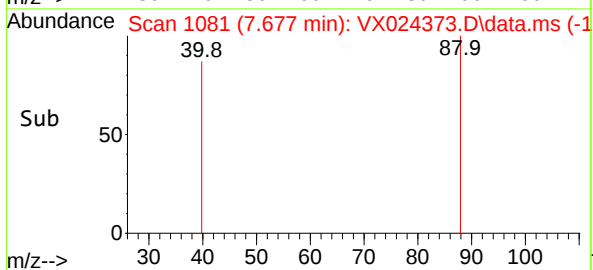
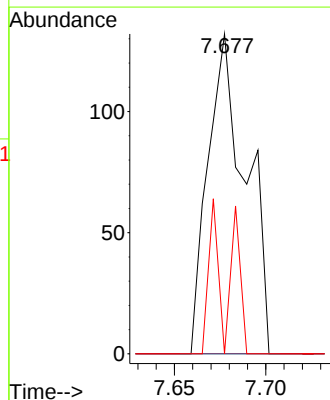
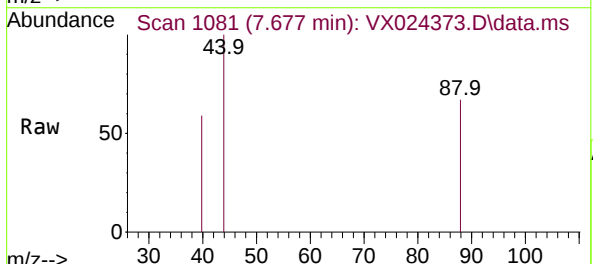
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

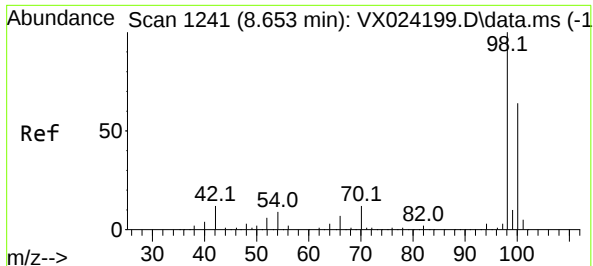
Tgt Ion:130 Resp: 40243
Ion Ratio Lower Upper
130 100
95 98.6 0.0 198.0



#49
1,4-Dioxane
Concen: 5.069 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 24.1 55.0 82.4#

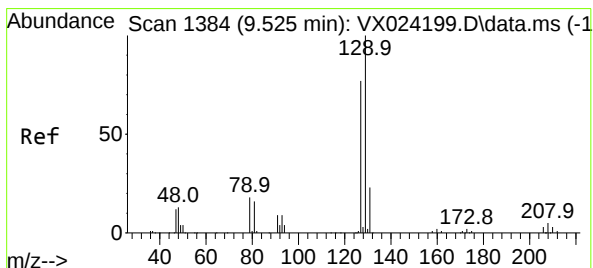
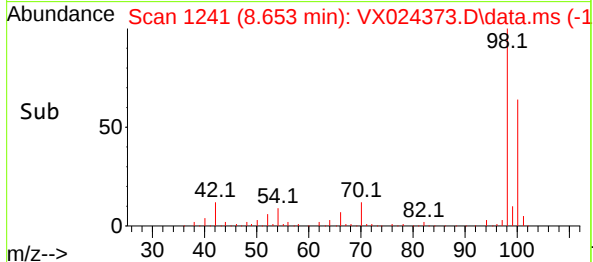
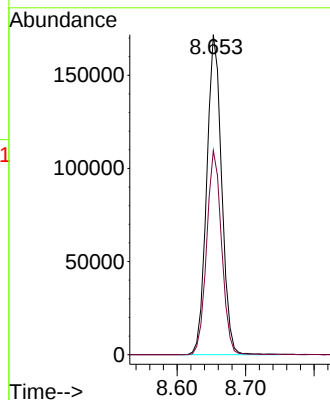
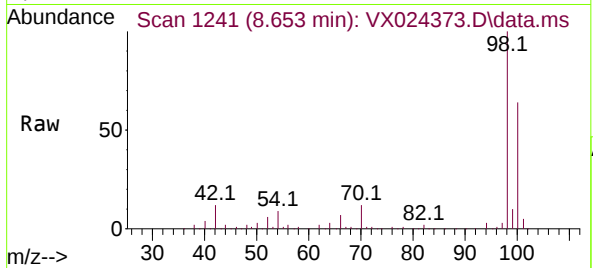




#50
Toluene-d8
Concen: 50.498 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

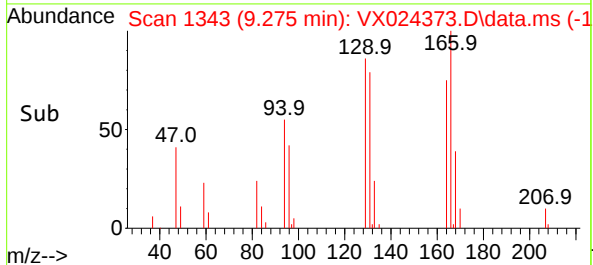
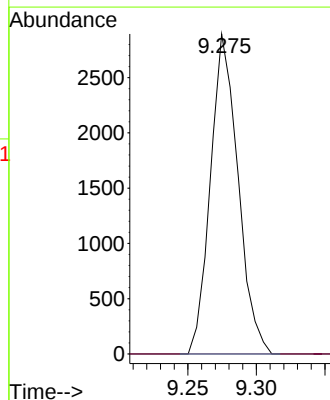
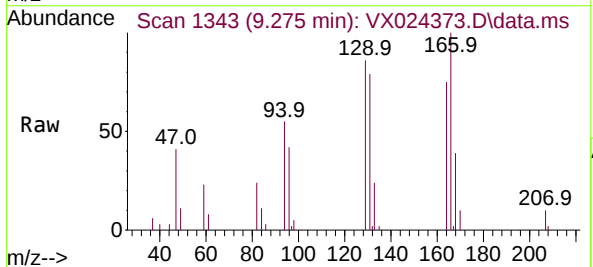
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

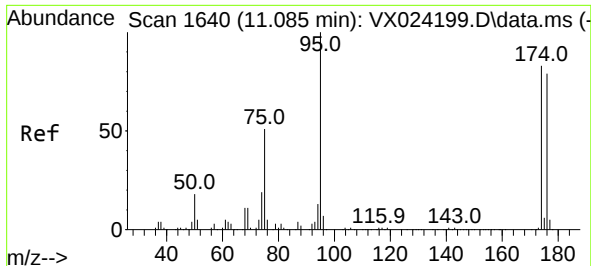
Tgt Ion: 98 Resp: 260902
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#60
Dibromochloromethane
Concen: 3.941 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion:129 Resp: 4049
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

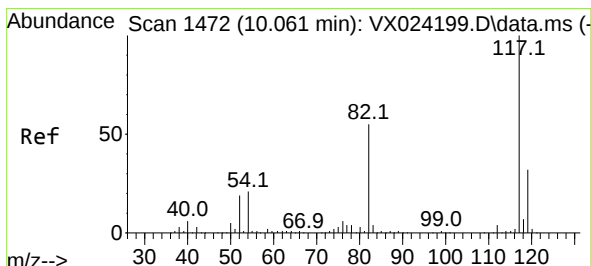
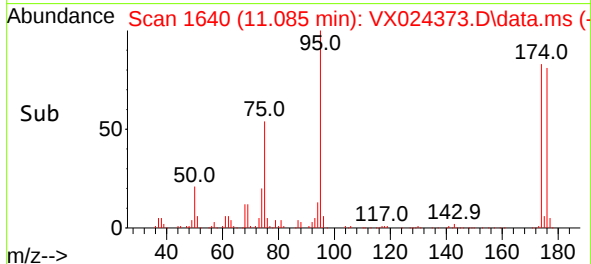
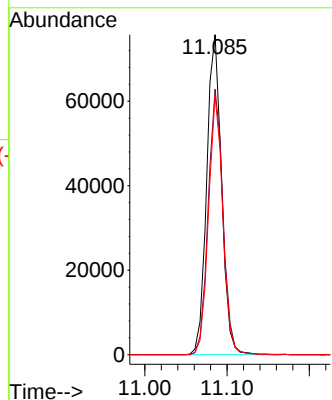
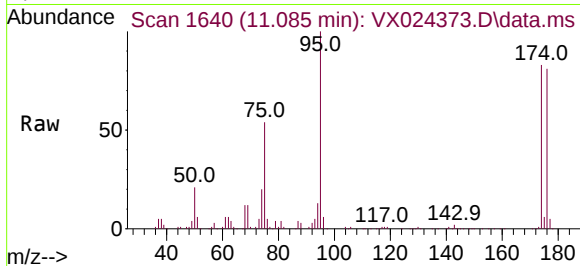




#62
4-Bromofluorobenzene
Concen: 47.143 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

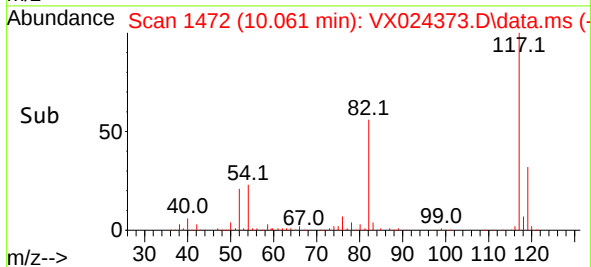
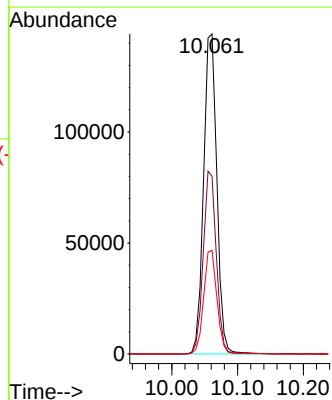
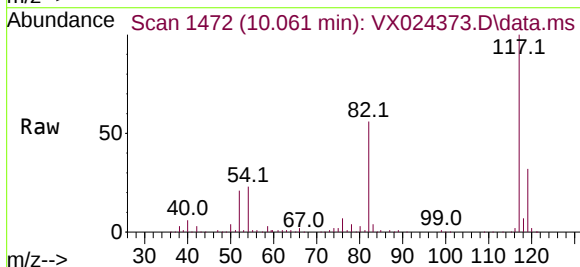
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

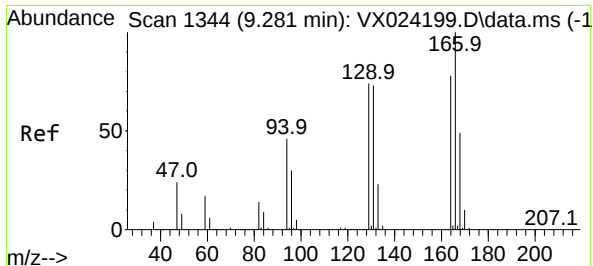
Tgt Ion: 95 Resp: 94788
Ion Ratio Lower Upper
95 100
174 83.4 0.0 154.6
176 78.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion: 117 Resp: 202291
Ion Ratio Lower Upper
117 100
82 55.5 47.4 71.2
119 32.3 26.6 39.8



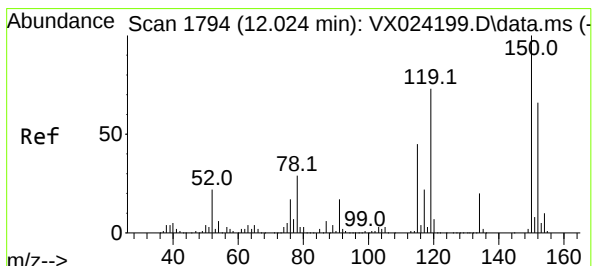
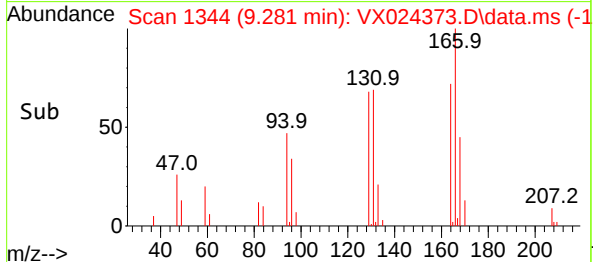
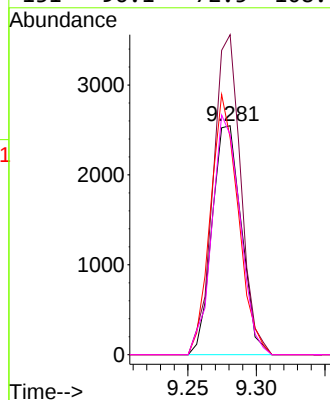
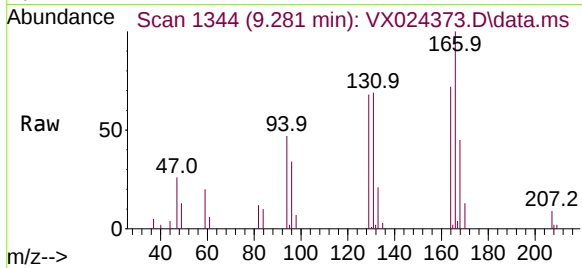


#64
Tetrachloroethene
Concen: 2.415 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

Tgt Ion:164 Resp: 3784

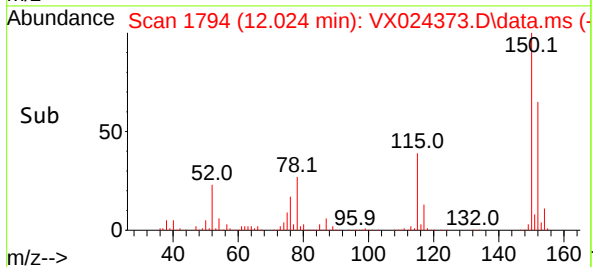
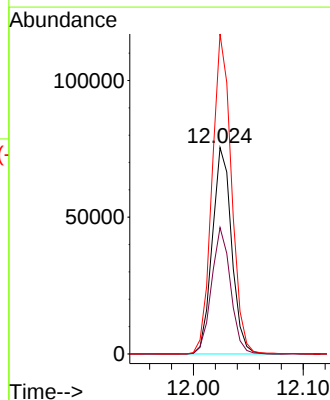
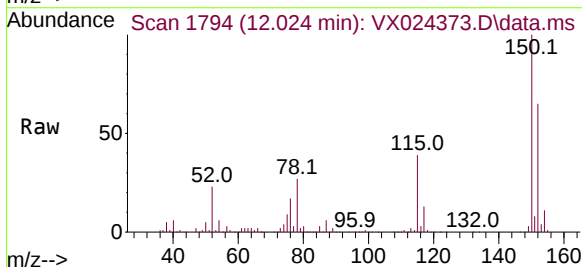
Ion	Ratio	Lower	Upper
164	100		
166	139.8	103.4	155.2
129	94.7	70.8	106.2
131	96.1	72.5	108.7

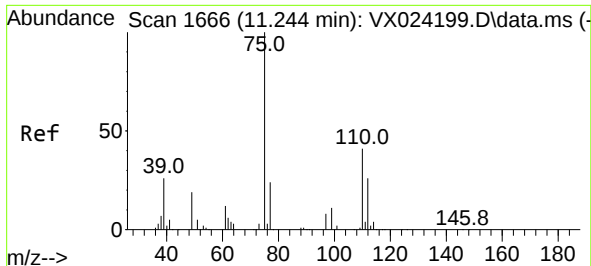


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Tgt Ion:152 Resp: 92336

Ion	Ratio	Lower	Upper
152	100		
115	60.2	41.1	123.3
150	155.3	0.0	349.0

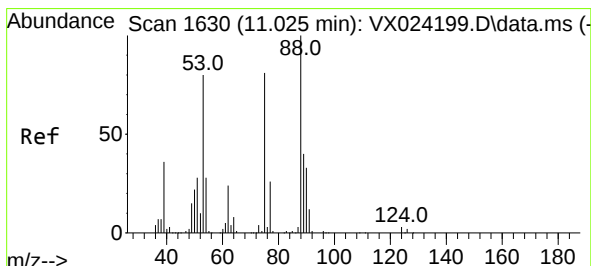
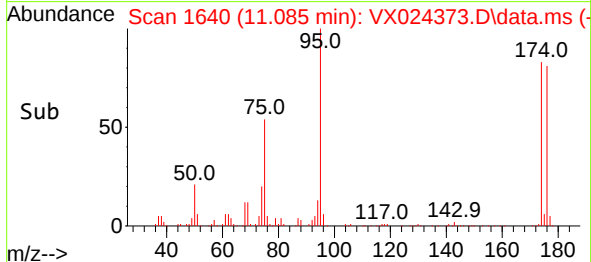
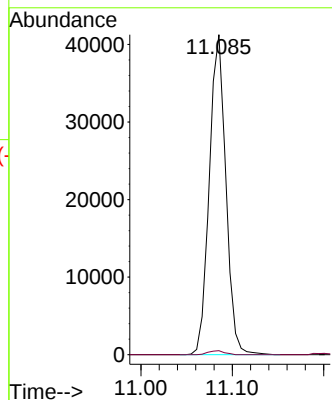
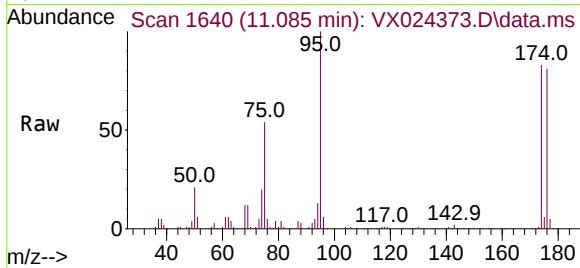




#76
1,2,3-Trichloropropane
Concen: 24.447 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

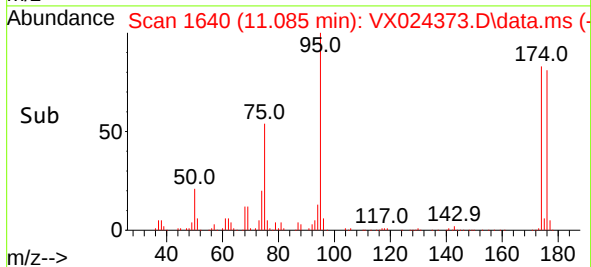
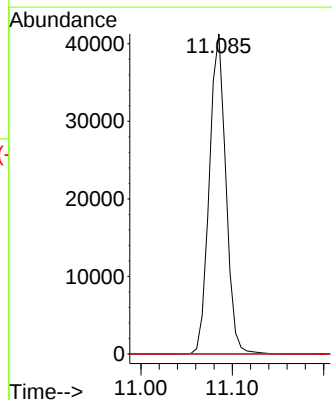
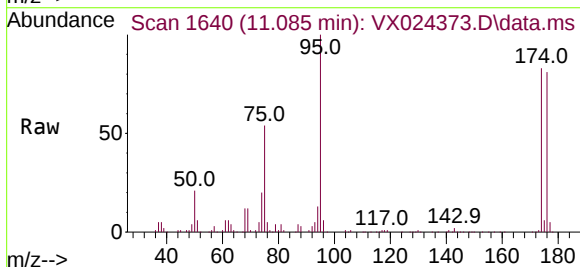
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL

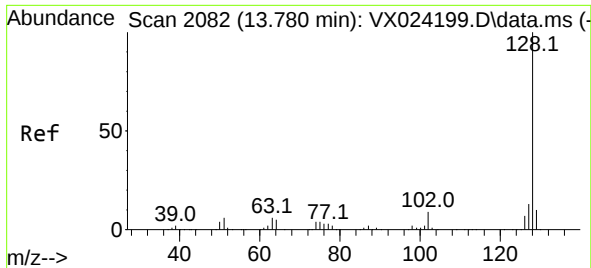
Tgt Ion: 75 Resp: 51906
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.900 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

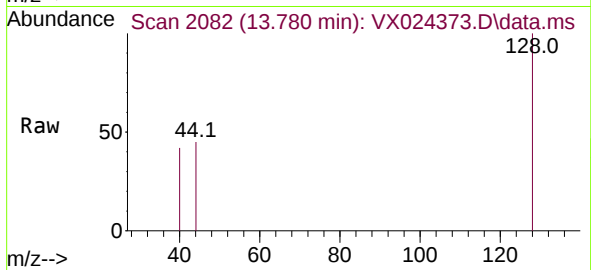
Tgt Ion: 75 Resp: 51906
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.346 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024373.D
Acq: 21 Sep 2021 01:30

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20210915DL



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

