

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
 Data File : VX024363.D
 Acq On : 20 Sep 2021 20:01
 Operator : JC/MD
 Sample : M3782-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20210914

Quant Time: Sep 21 08:43:32 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)

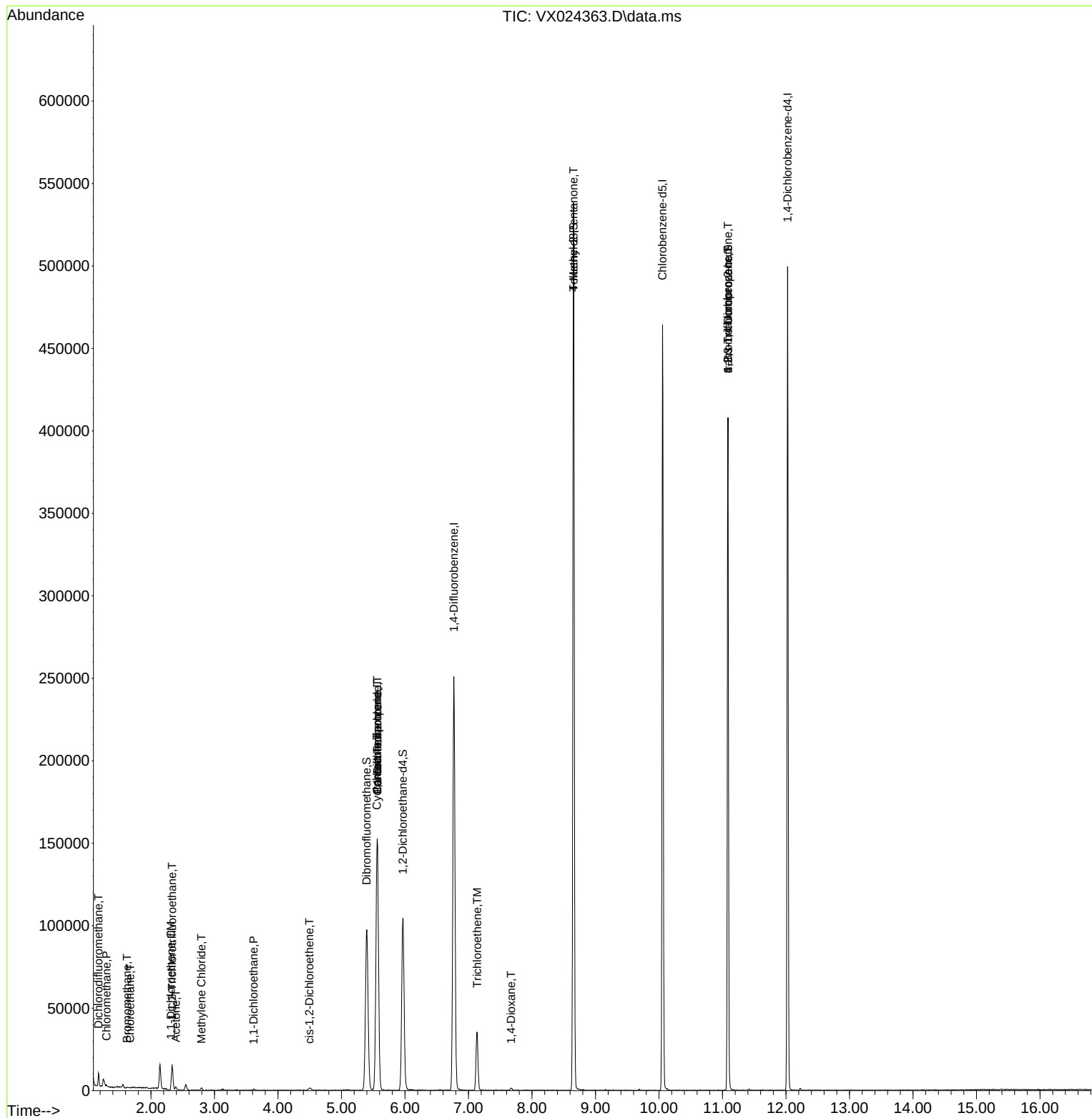
Internal Standards						
1) Pentafluorobenzene	5.562	168	141098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	249306	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107424	53.391	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.780%	
35) Dibromofluoromethane	5.398	113	83953	50.213	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.420%	
50) Toluene-d8	8.653	98	312324	51.278	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	11.086	95	105213	44.387	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.780%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	3264	2.406	ug/l	95
3) Chloromethane	1.301	50	482	0.340	ug/l	90
5) Bromomethane	1.624	94	273	0.325	ug/l	96
6) Chloroethane	1.673	64	165	2.140	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	5173	3.724	ug/l	91
12) 1,1-Dichloroethene	2.313	96	384	0.295	ug/l #	60
16) Acetone	2.392	43	1813	2.113	ug/l #	83
20) Methylene Chloride	2.794	84	566	0.344	ug/l	95
24) 1,1-Dichloroethane	3.617	63	893	0.328	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	946	0.575	ug/l	85
31) Cyclohexane	5.556	56	3137	1.333	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11479	5.008	ug/l #	45
38) Carbon Tetrachloride	5.562	117	15291	5.927	ug/l #	16
44) Trichloroethene	7.135	130	13829	7.487	ug/l	95
49) 1,4-Dioxane	7.671	88	1183	26.634	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	1437	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	11.086	75	56517	24.248	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	56517	71.315	ug/l #	12

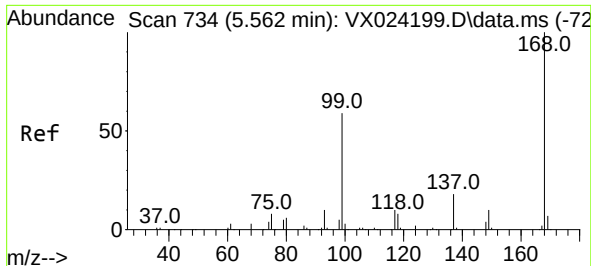
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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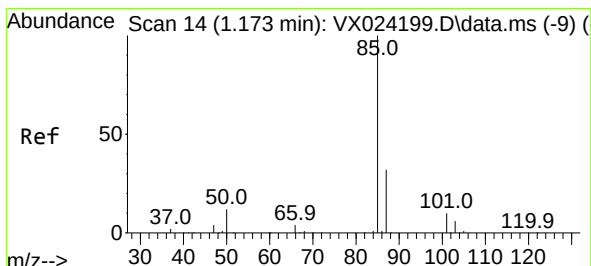
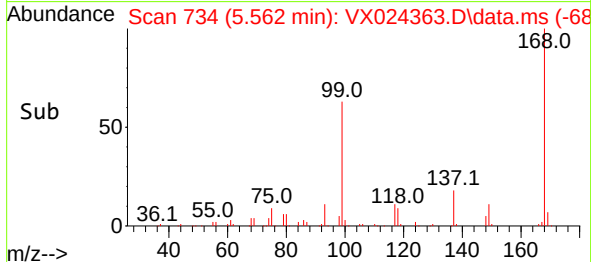
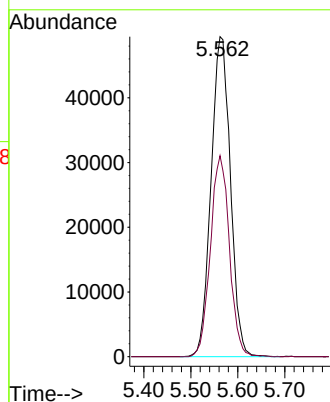
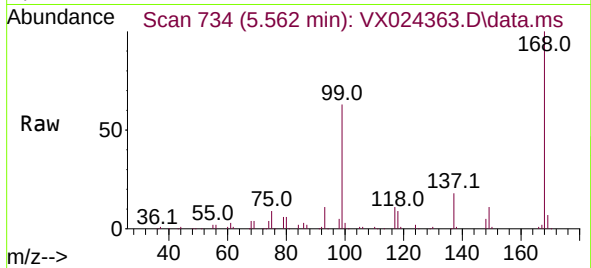




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

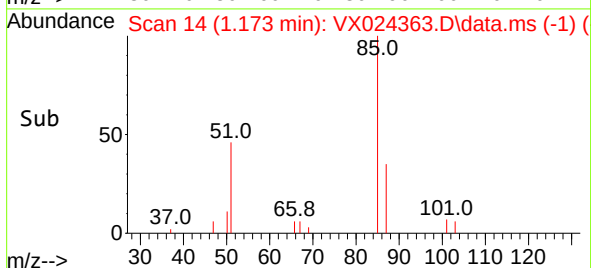
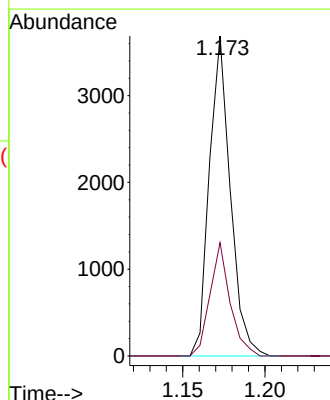
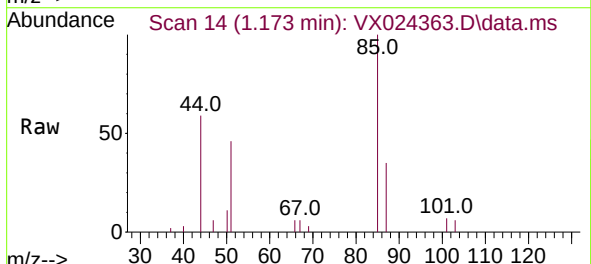
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

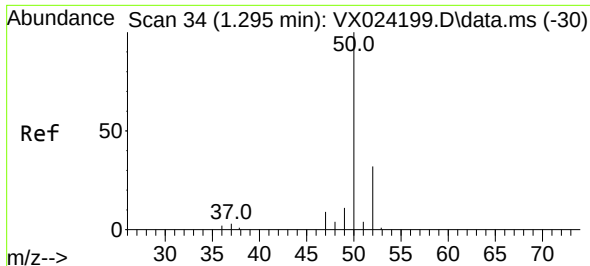
Tgt Ion:168 Resp: 141098
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 2.406 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion: 85 Resp: 3264
Ion Ratio Lower Upper
85 100
87 35.4 16.4 49.2

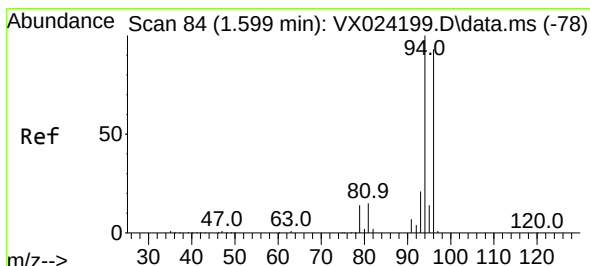
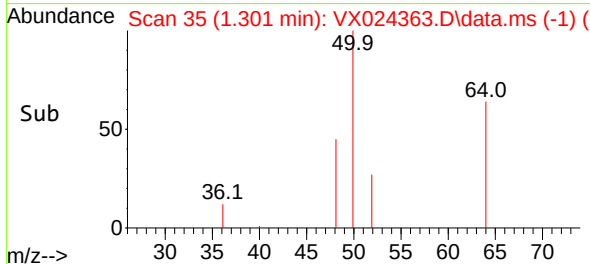
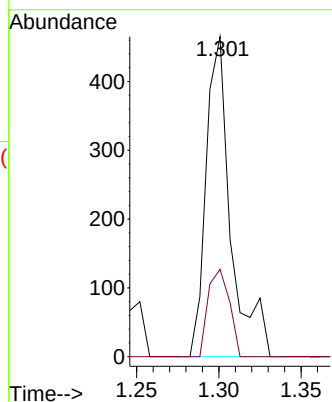
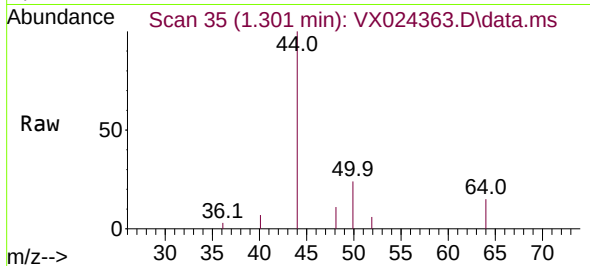




#3
Chloromethane
Concen: 0.340 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

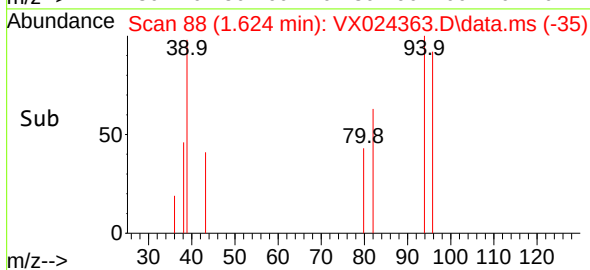
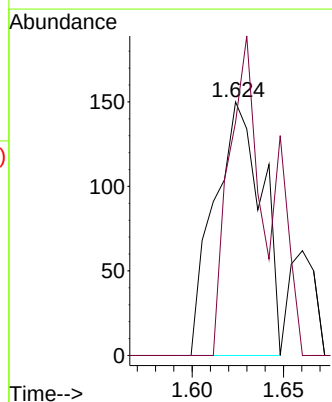
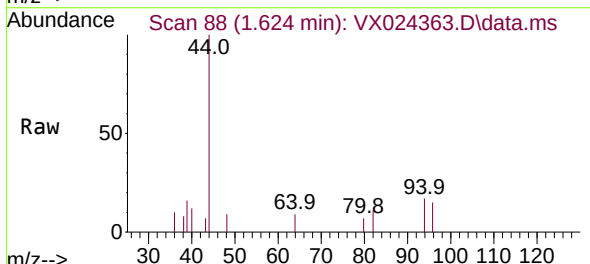
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

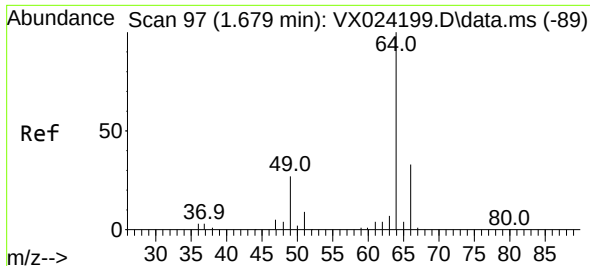
Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 27.3 26.4 39.6



#5
Bromomethane
Concen: 0.325 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 92.0 76.4 114.6

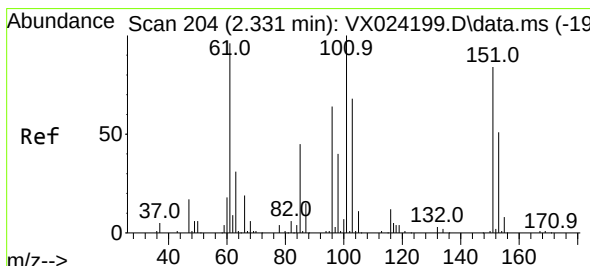
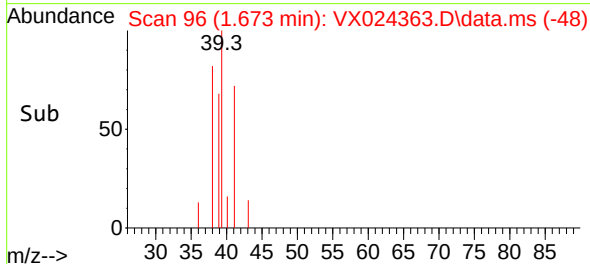
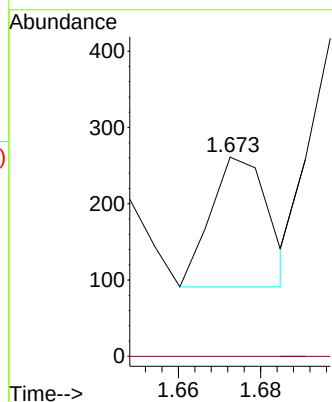
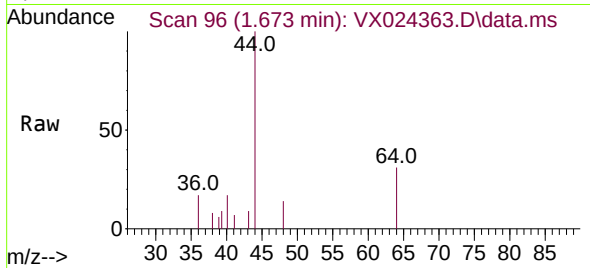




#6
Chloroethane
Concen: 2.140 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

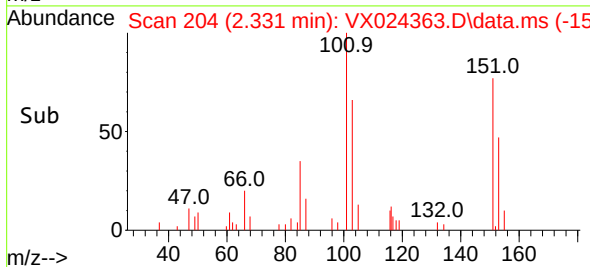
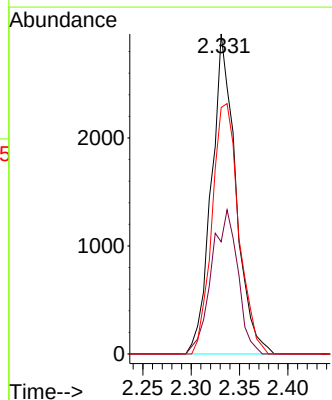
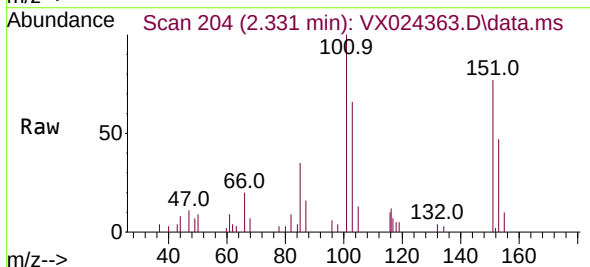
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

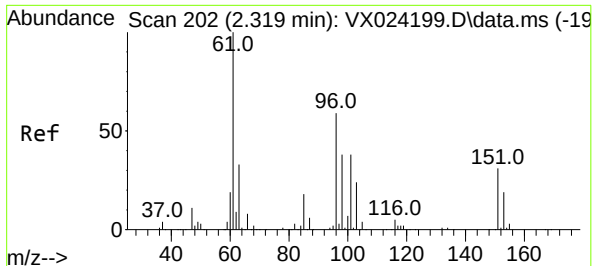
Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.724 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion: 101 Resp: 5173
Ion Ratio Lower Upper
101 100
85 48.7 34.9 52.3
151 85.8 61.4 92.2





#12

1,1-Dichloroethene

Concen: 0.295 ug/l

RT: 2.313 min Scan# 201

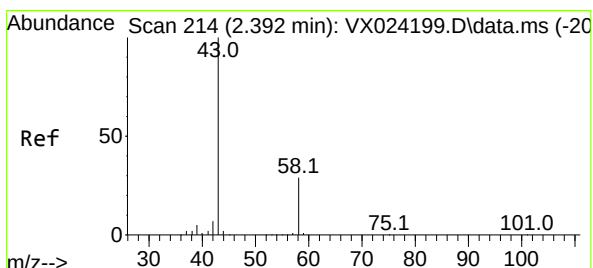
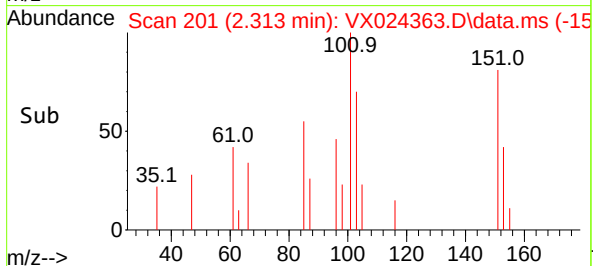
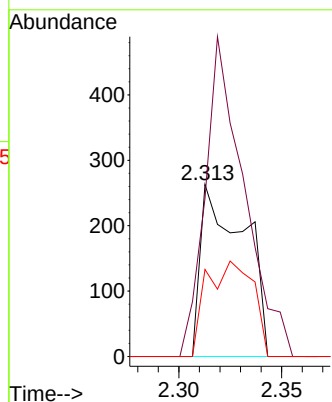
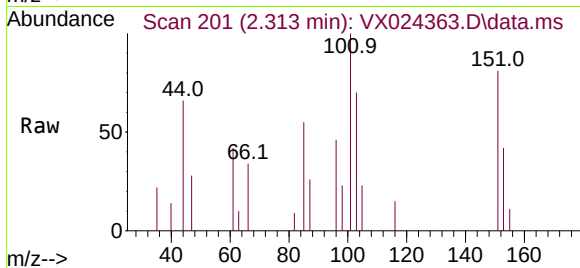
Delta R.T. -0.006 min

Lab File: VX024363.D

Acq: 20 Sep 2021 20:01

Tgt Ion:	96	Resp:	384
Ion	Ratio	Lower	Upper
96	100		
61	92.0	124.6	187.0#
98	50.6	50.6	76.0#

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914



#16

Acetone

Concen: 2.113 ug/l

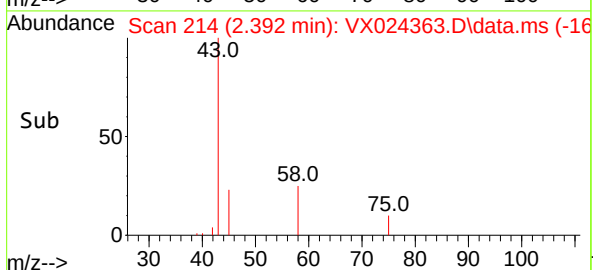
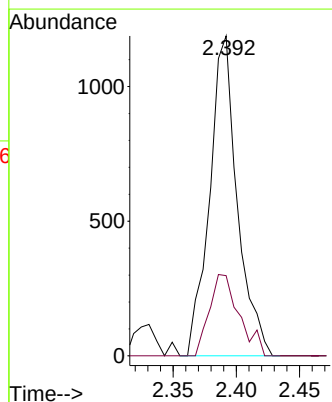
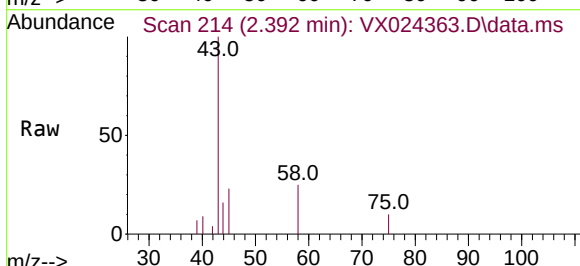
RT: 2.392 min Scan# 214

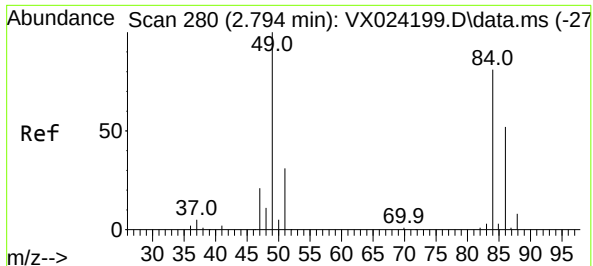
Delta R.T. -0.000 min

Lab File: VX024363.D

Acq: 20 Sep 2021 20:01

Tgt Ion:	43	Resp:	1813
Ion	Ratio	Lower	Upper
43	100		
58	25.1	27.8	41.8#





#20

Methylene Chloride

Concen: 0.344 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024363.D

Acq: 20 Sep 2021 20:01

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20210914

Tgt Ion: 84 Resp: 566

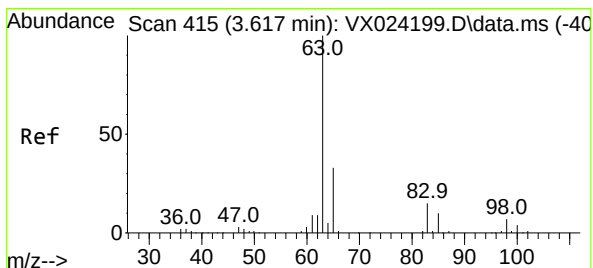
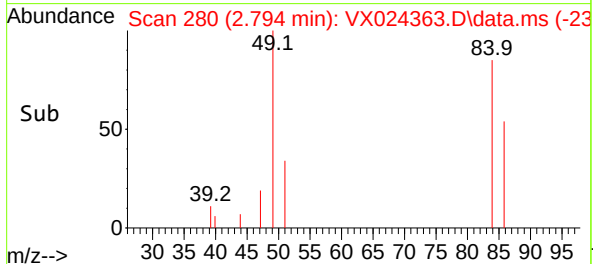
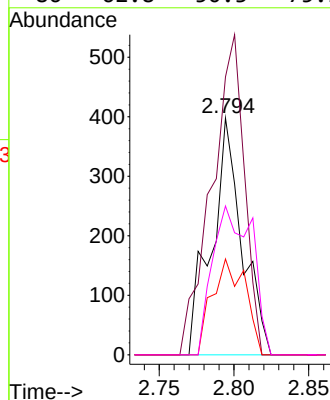
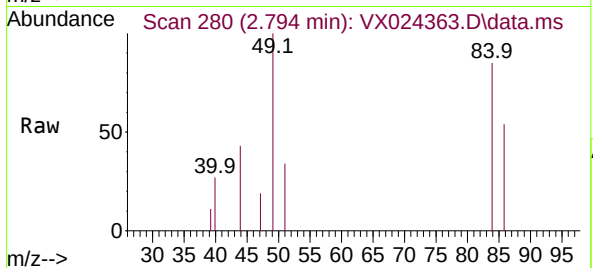
Ion Ratio Lower Upper

84 100

49 117.3 88.6 132.8

51 40.5 27.0 40.6

86 62.8 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.328 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX024363.D

Acq: 20 Sep 2021 20:01

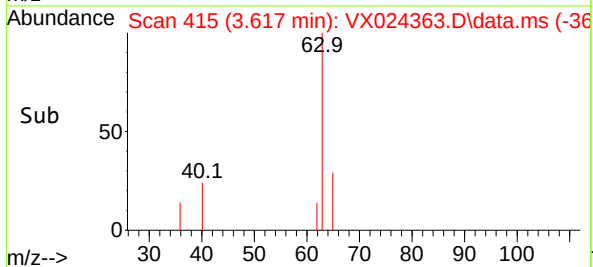
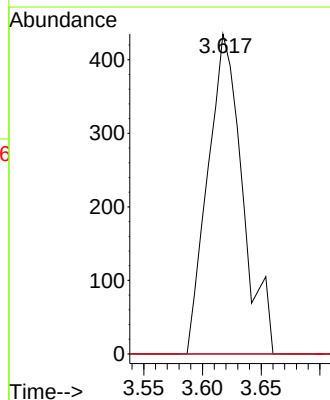
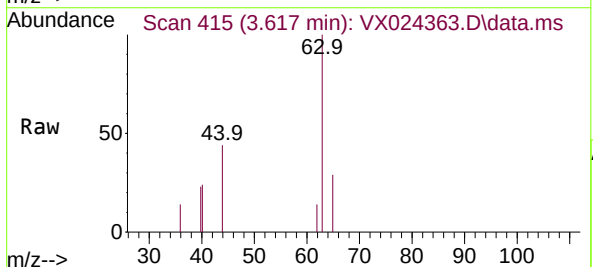
Tgt Ion: 63 Resp: 893

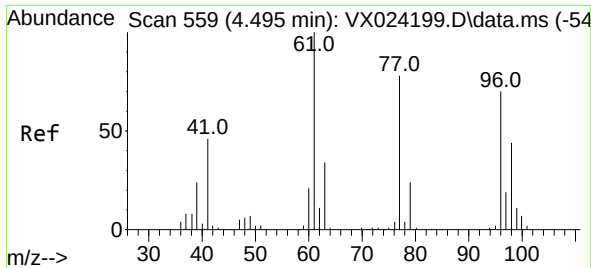
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#

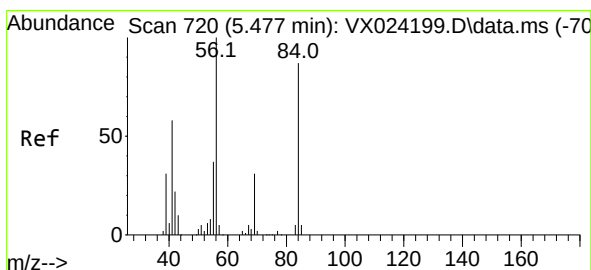
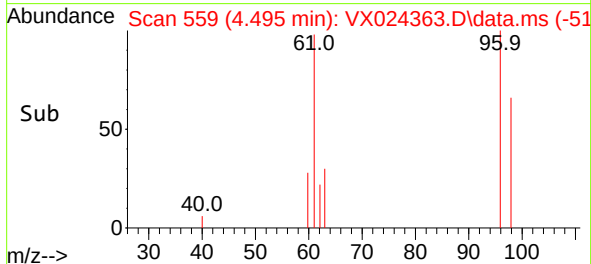
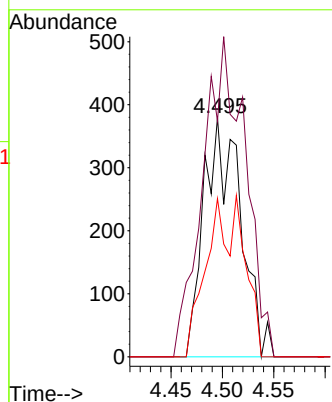
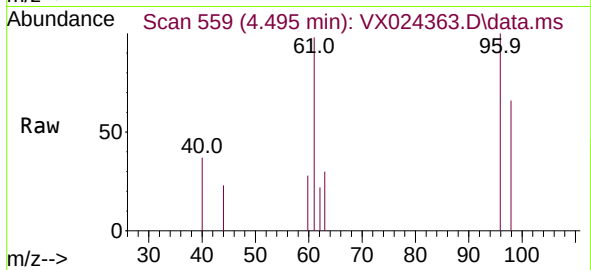




#27
 cis-1,2-Dichloroethene
 Concen: 0.575 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: VX024363.D
 Acq: 20 Sep 2021 20:01

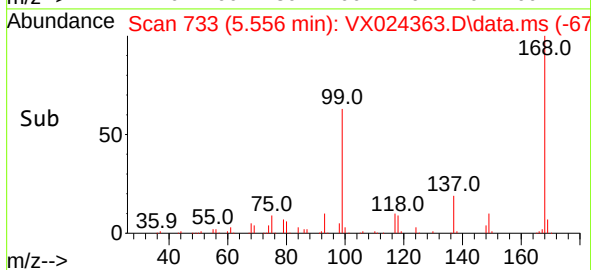
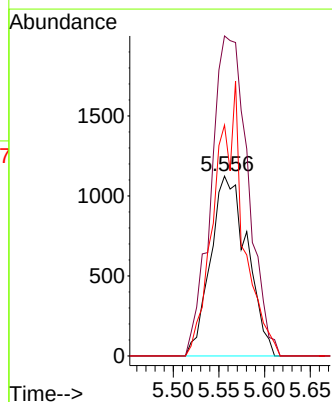
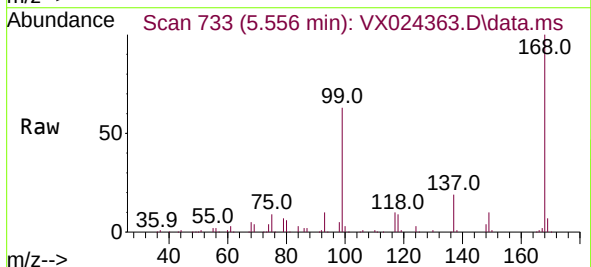
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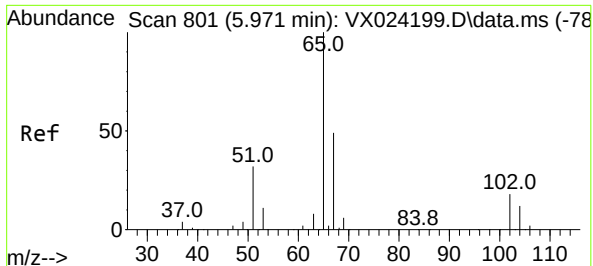
Tgt Ion: 96	Resp: 946		
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	285.6
98	41.6	0.0	129.6



#31
 Cyclohexane
 Concen: 1.333 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.079 min
 Lab File: VX024363.D
 Acq: 20 Sep 2021 20:01

Tgt Ion: 56	Resp: 3137		
Ion Ratio	Lower	Upper	
56	100		
69	177.9	25.3	37.9#
84	128.4	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.391 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

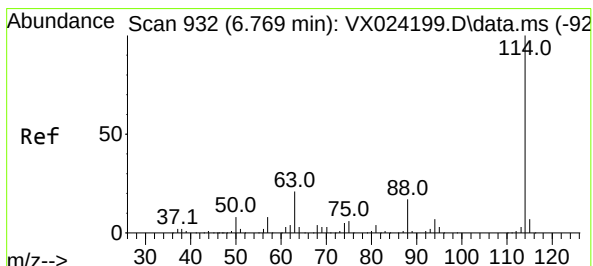
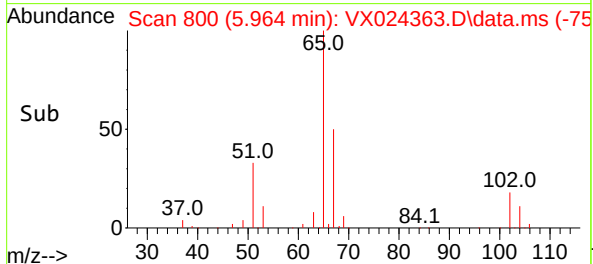
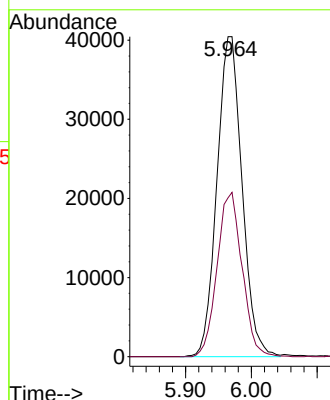
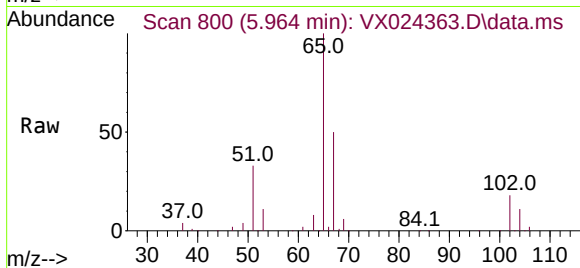
Lab File: VX024363.D

Acq: 20 Sep 2021 20:01

Tgt Ion: 65 Resp: 107424

Ion Ratio Lower Upper

65	100		
67	51.1	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

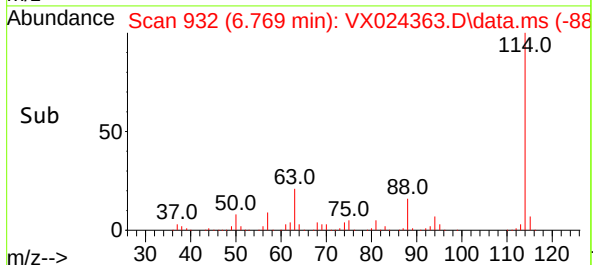
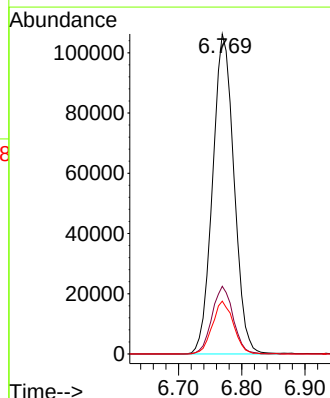
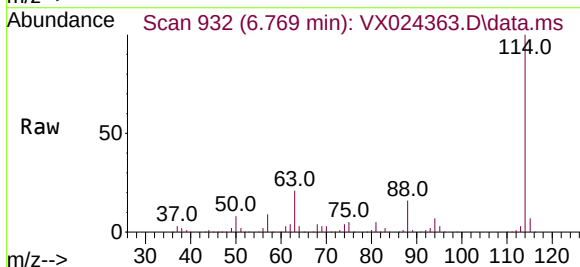
Lab File: VX024363.D

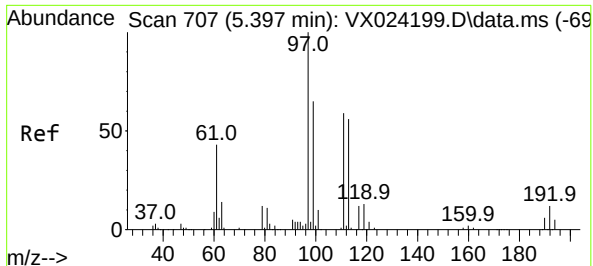
Acq: 20 Sep 2021 20:01

Tgt Ion: 114 Resp: 249306

Ion Ratio Lower Upper

114	100		
63	21.2	0.0	40.8
88	16.5	0.0	32.8

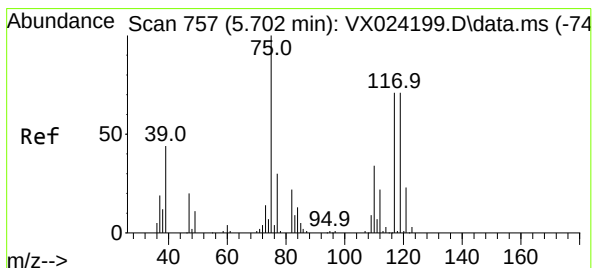
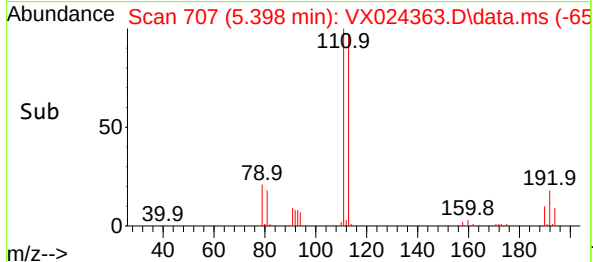
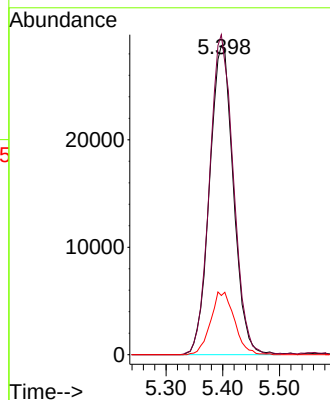
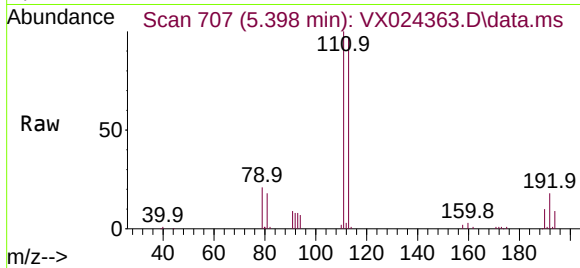




#35
Dibromofluoromethane
Concen: 50.213 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

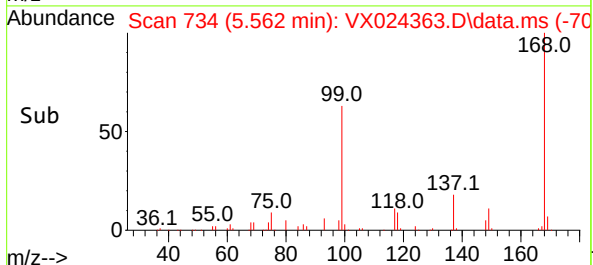
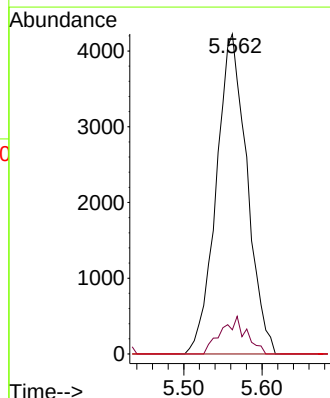
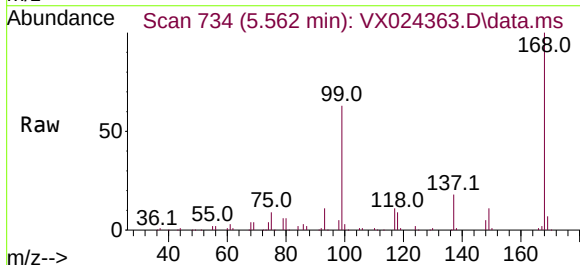
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

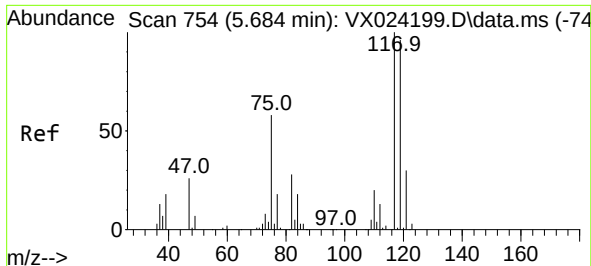
Tgt Ion:	113	Resp:	83953
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	20.3	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.008 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion:	75	Resp:	11479
Ion	Ratio	Lower	Upper
75	100		
110	5.1	18.1	54.4#
77	0.0	25.3	37.9#

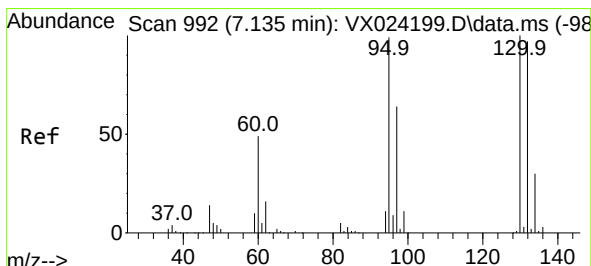
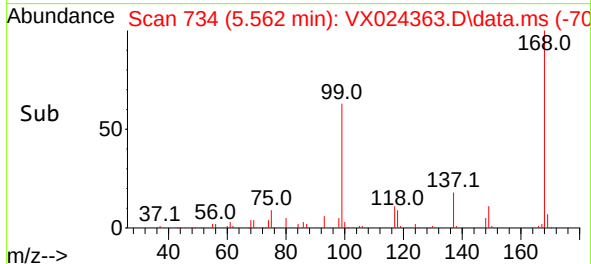
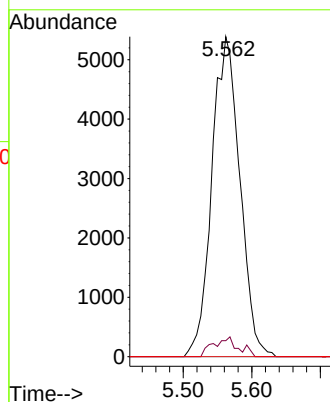
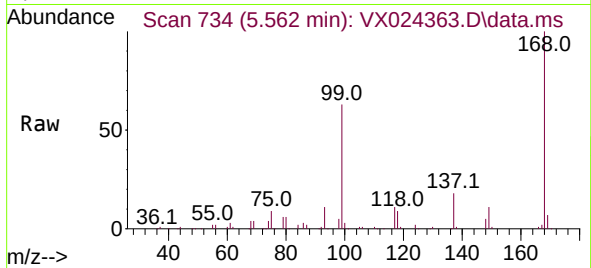




#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

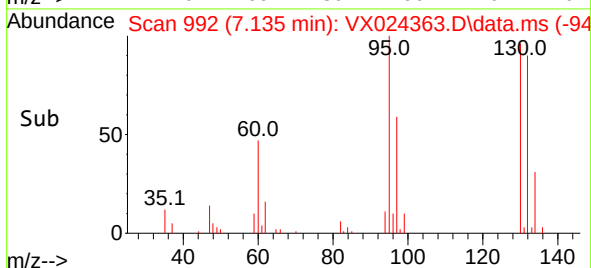
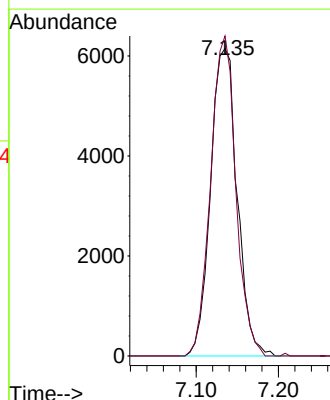
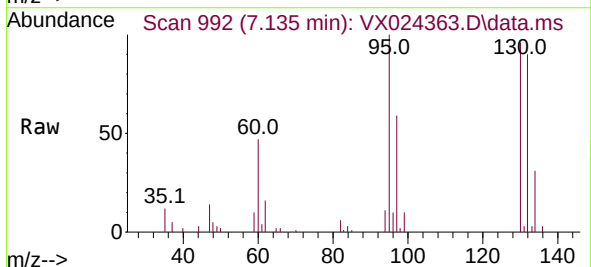
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

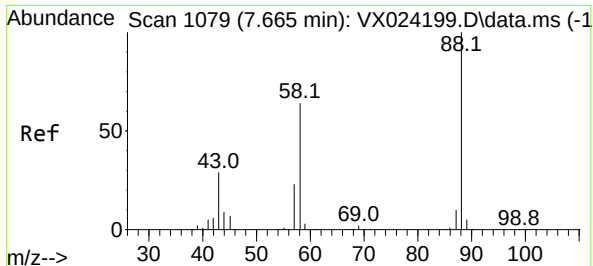
Tgt Ion:117 Resp: 15291
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 7.487 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion:130 Resp: 13829
Ion Ratio Lower Upper
130 100
95 104.0 0.0 198.0





#49

1,4-Dioxane

Concen: 26.634 ug/l

RT: 7.671 min Scan# 1080

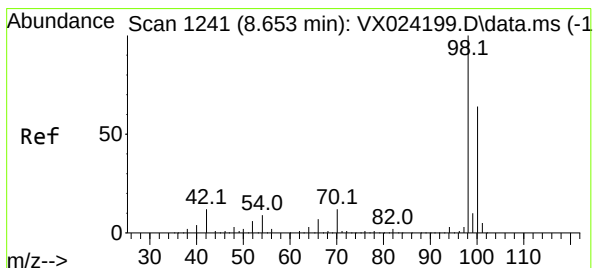
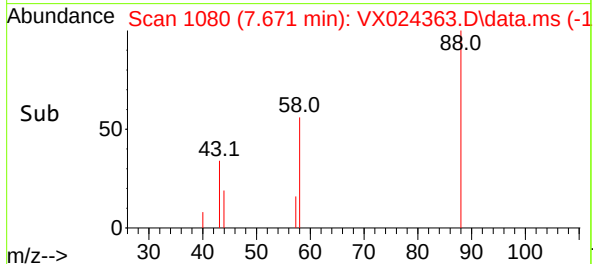
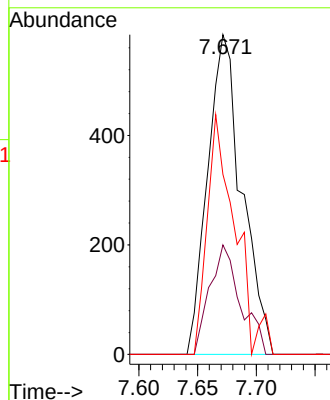
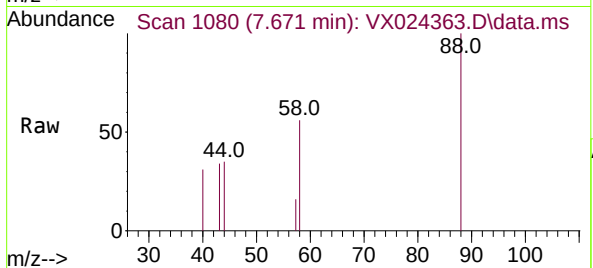
Delta R.T. 0.006 min

Lab File: VX024363.D

Acq: 20 Sep 2021 20:01

Tgt Ion: 88 Resp: 1183

Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.2	34.8
58	61.5	55.0	82.4



#50

Toluene-d8

Concen: 51.278 ug/l

RT: 8.653 min Scan# 1241

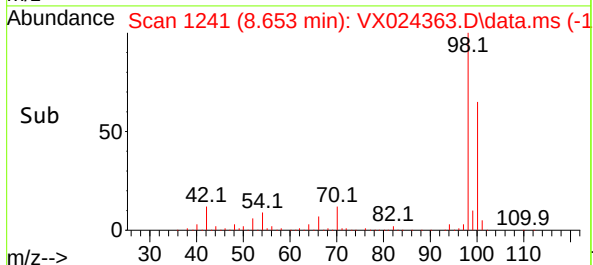
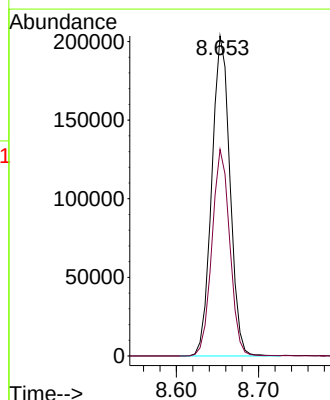
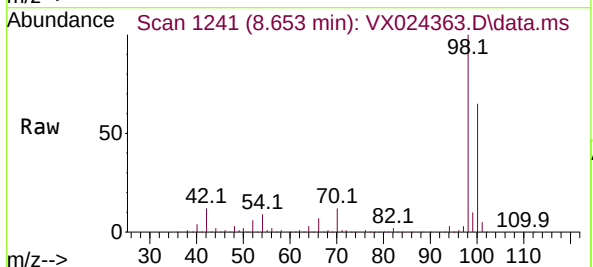
Delta R.T. 0.000 min

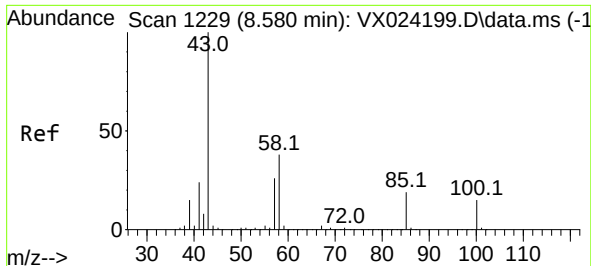
Lab File: VX024363.D

Acq: 20 Sep 2021 20:01

Tgt Ion: 98 Resp: 312324

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.9	77.9

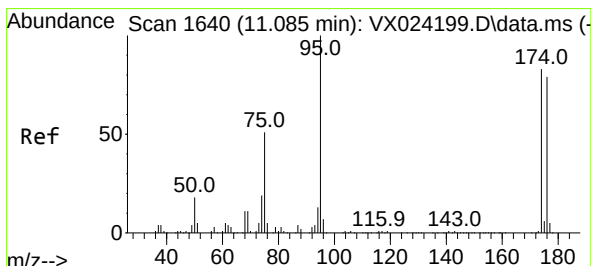
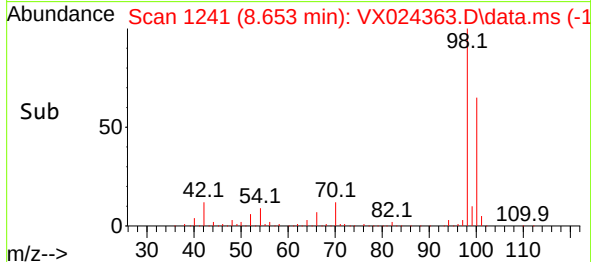
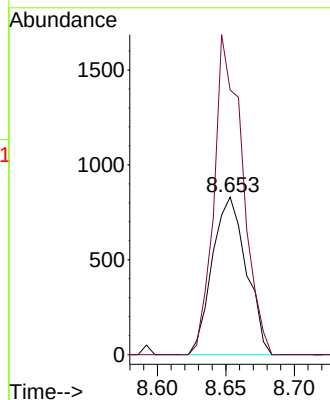
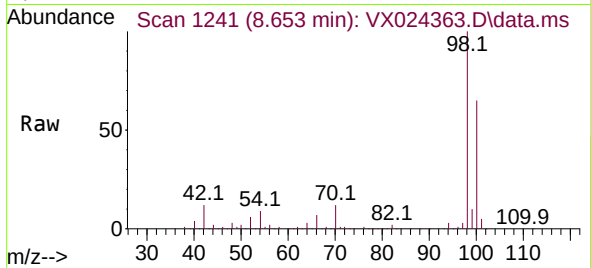




#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

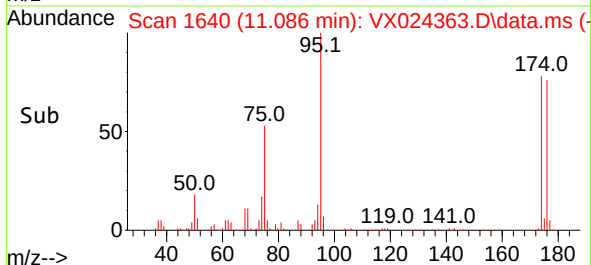
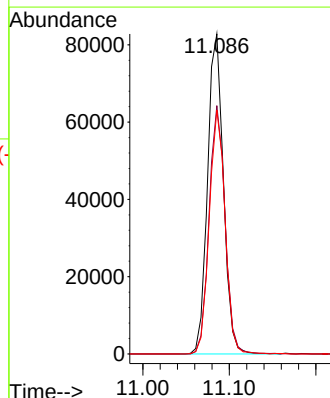
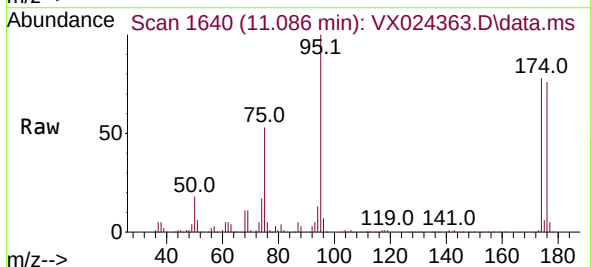
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

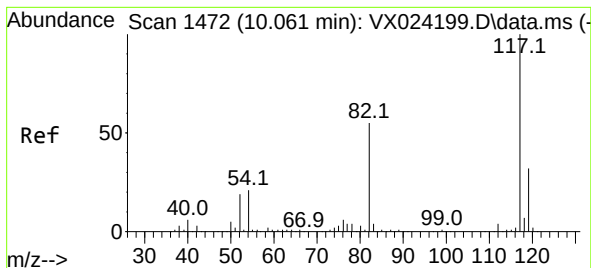
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 169.3 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 44.387 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion: 95 Resp: 105213
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 75.8 0.0 155.8

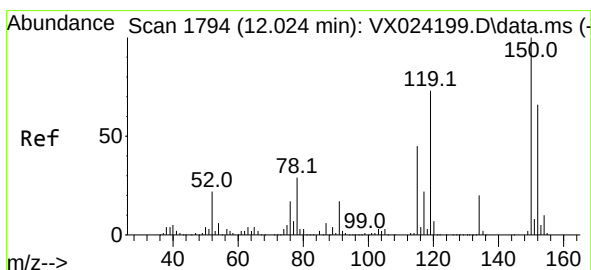
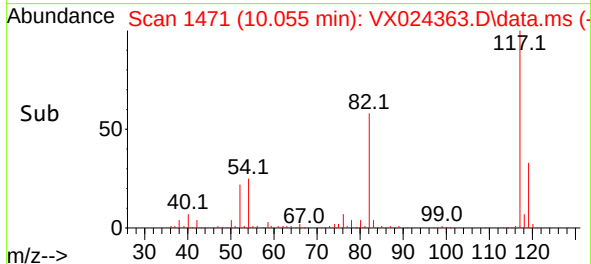
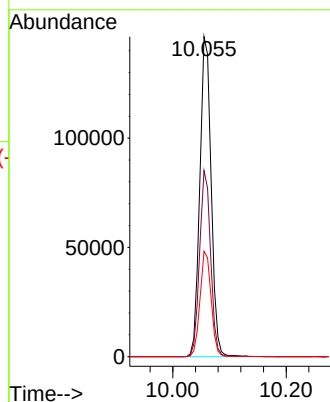
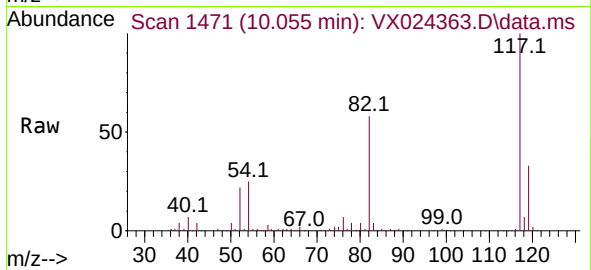




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

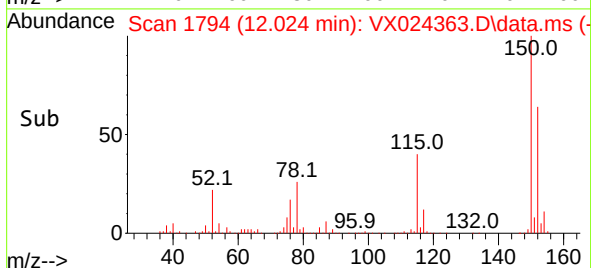
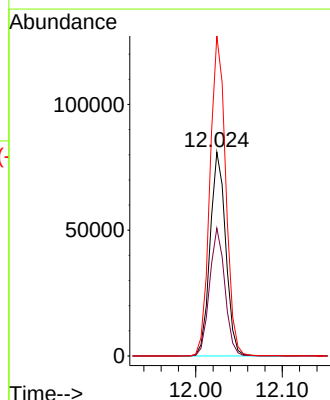
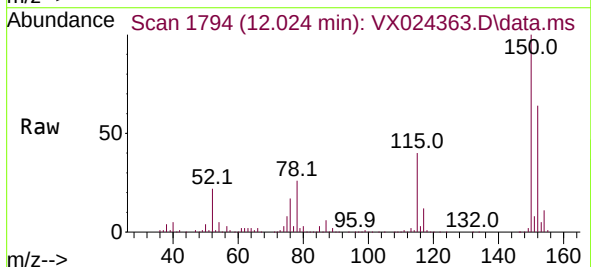
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

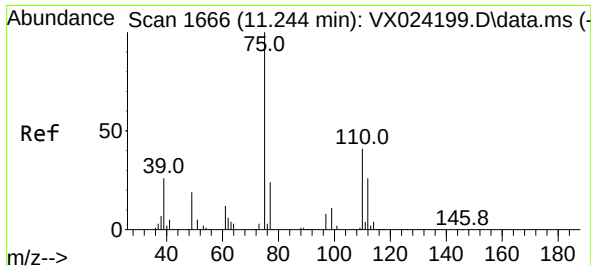
Tgt Ion:117 Resp: 202883
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion:152 Resp: 101363
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 158.6 0.0 349.0

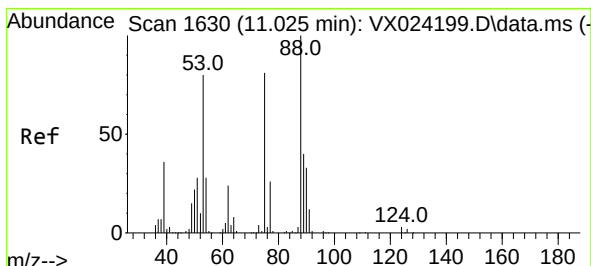
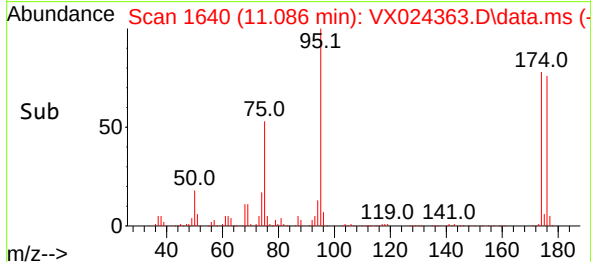
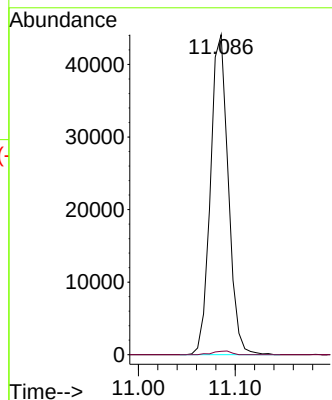
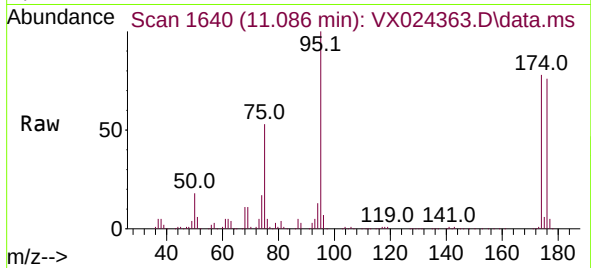




#76
1,2,3-Trichloropropane
Concen: 24.248 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210914

Tgt Ion: 75 Resp: 56517
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.315 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024363.D
Acq: 20 Sep 2021 20:01

Tgt Ion: 75 Resp: 56517
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

