

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100424\
 Data File : VX043293.D
 Acq On : 04 Oct 2024 16:47
 Operator : JC/MD
 Sample : P4263-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20240930

Quant Time: Oct 04 23:33:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

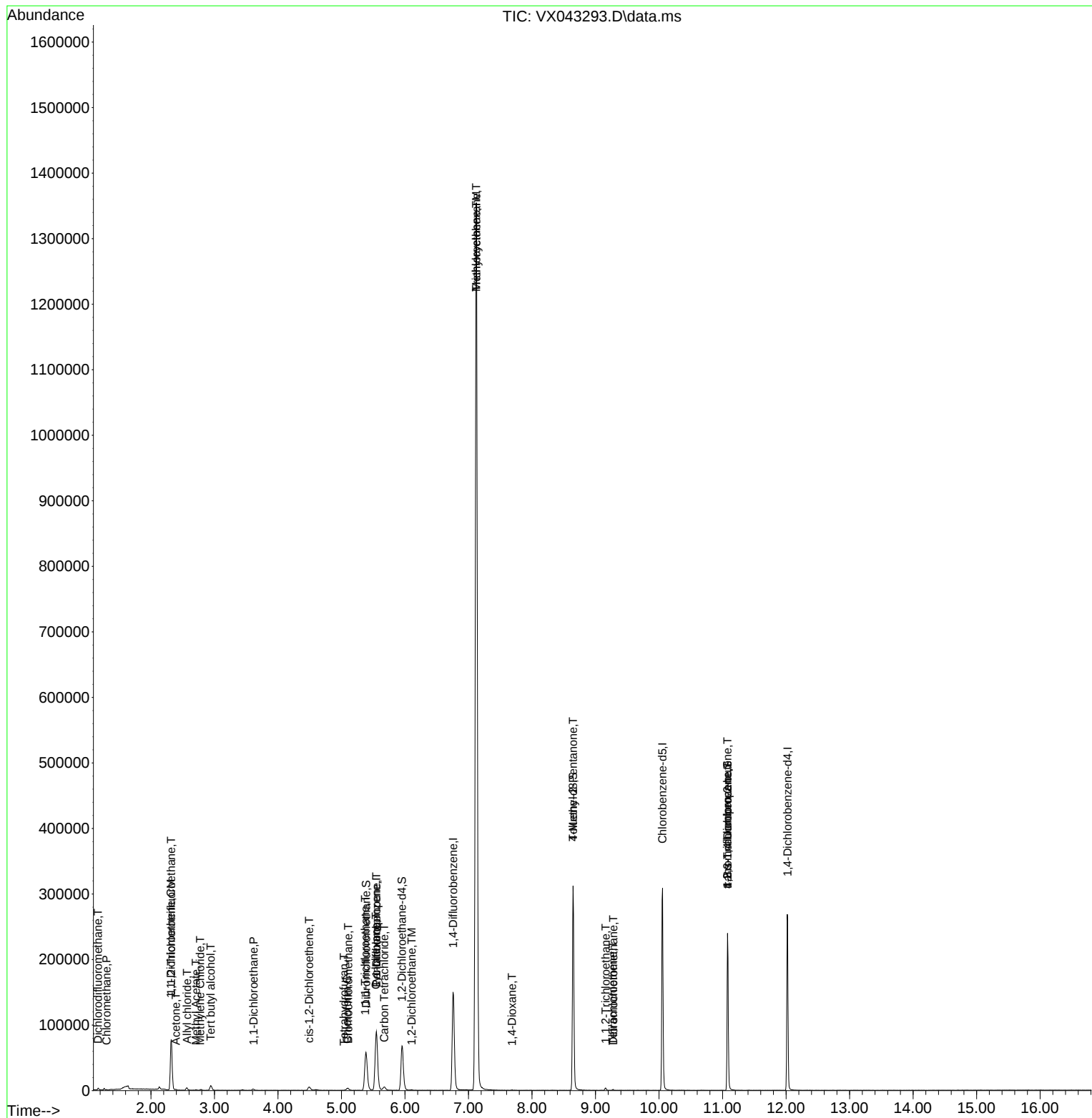
Internal Standards						
1) Pentafluorobenzene	5.550	168	80267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69479	53.002	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.000%	
35) Dibromofluoromethane	5.385	113	50320	47.602	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.200%	
50) Toluene-d8	8.647	98	183254	50.024	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.040%	
62) 4-Bromofluorobenzene	11.079	95	65340	49.096	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1504	1.611	ug/l	96
3) Chloromethane	1.301	50	250	0.260	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.319	101	22901	25.500	ug/l	98
11) Tert butyl alcohol	2.941	59	4165	16.696	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	8461	9.488	ug/l	93
14) Allyl chloride	2.569	41	458	0.313	ug/l #	45
16) Acetone	2.392	43	825	1.507	ug/l	90
18) Methyl Acetate	2.709	43	1000	0.728	ug/l #	82
20) Methylene Chloride	2.776	84	506	0.501	ug/l #	64
24) 1,1-Dichloroethane	3.617	63	2458	1.432	ug/l #	94
27) cis-1,2-Dichloroethene	4.489	96	3369	3.044	ug/l	91
28) Bromochloromethane	5.105	49	268	0.396	ug/l #	10
29) Tetrahydrofuran	5.038	42	106	0.222	ug/l #	46
30) Chloroform	5.086	83	3736	1.982	ug/l #	82
31) Cyclohexane	5.544	56	1911	1.351	ug/l #	36
32) 1,1,1-Trichloroethane	5.373	97	1066	0.616	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	7239	5.421	ug/l #	50
38) Carbon Tetrachloride	5.672	117	4421	2.796	ug/l	97
39) Methylcyclohexane	7.123	83	6414	3.819	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	532	0.322	ug/l #	77
44) Trichloroethene	7.123	130	509100	474.055	ug/l	94
49) 1,4-Dioxane	7.684	88	400	15.832	ug/l #	74
51) 4-Methyl-2-Pentanone	8.647	43	1018	0.633	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1188	1.178	ug/l	89
60) Dibromochloromethane	9.281	129	234	0.200	ug/l #	11
64) Tetrachloroethene	9.275	164	271	0.291	ug/l #	73
76) 1,2,3-Trichloropropane	11.079	75	35427	29.562	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	35427	76.614	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration

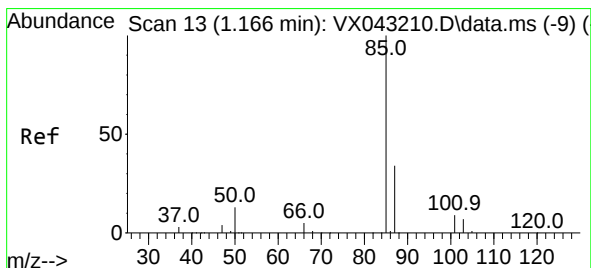
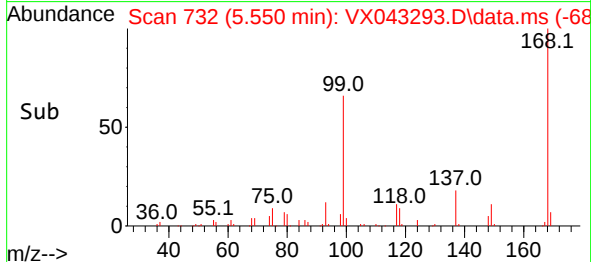
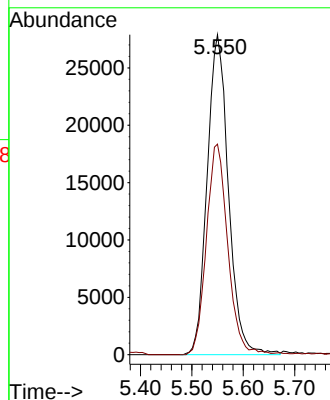
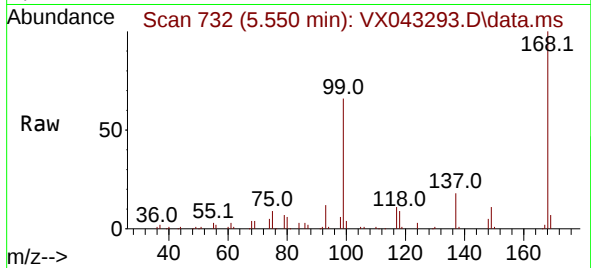




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

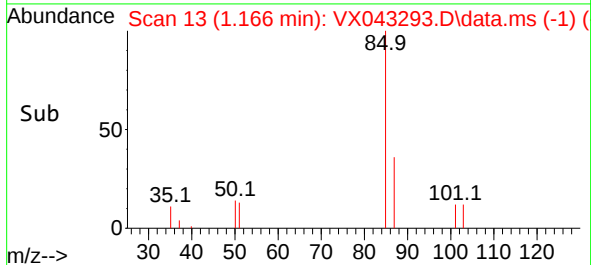
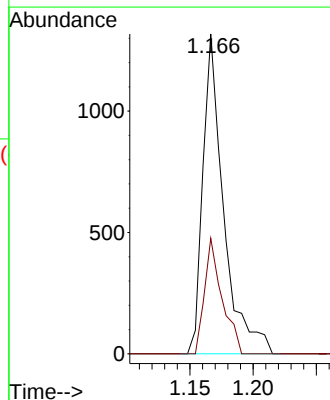
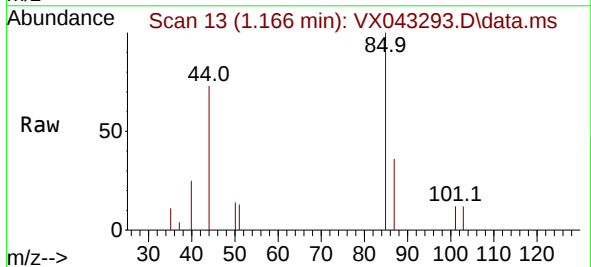
Instrument : MSVOA_X
ClientSampleId : RE115D1-20240930

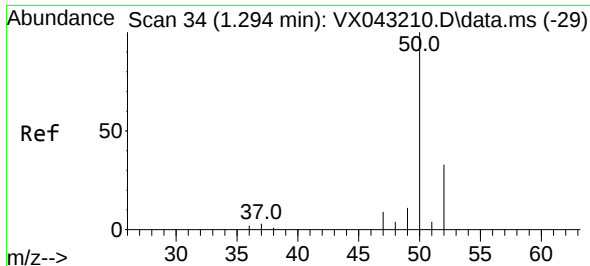
Tgt Ion:168 Resp: 80267
Ion Ratio Lower Upper
168 100
99 65.8 49.7 74.5



#2
Dichlorodifluoromethane
Concen: 1.611 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 85 Resp: 1504
Ion Ratio Lower Upper
85 100
87 36.1 17.1 51.2

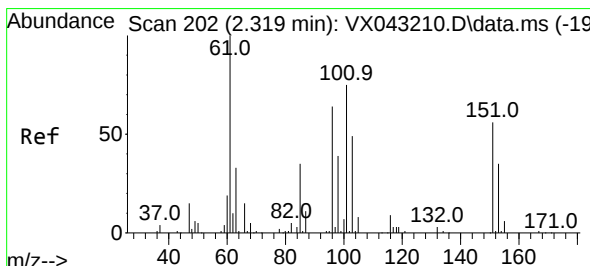
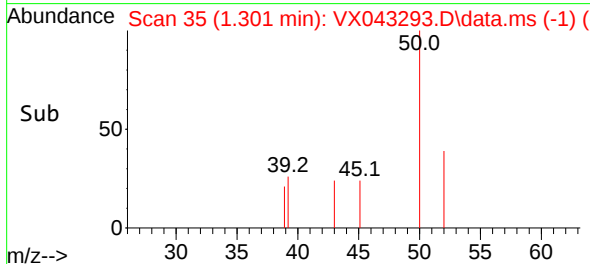
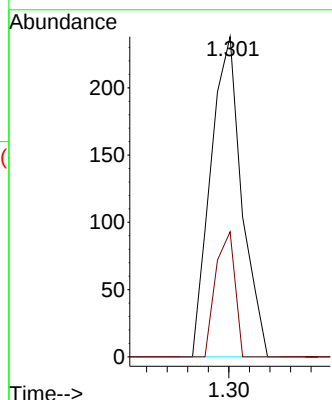
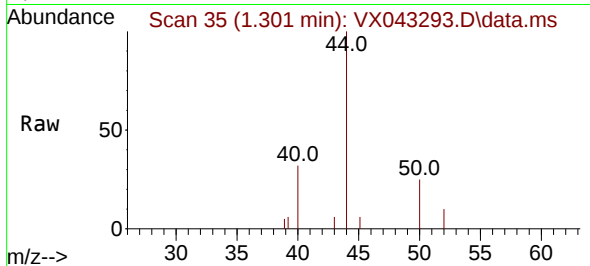




#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.301 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

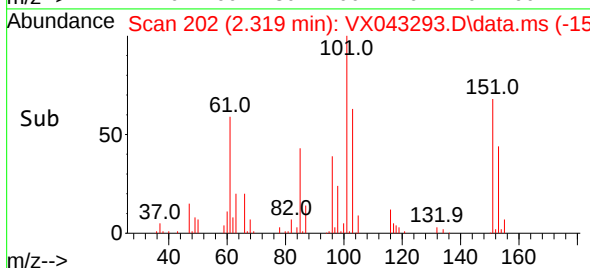
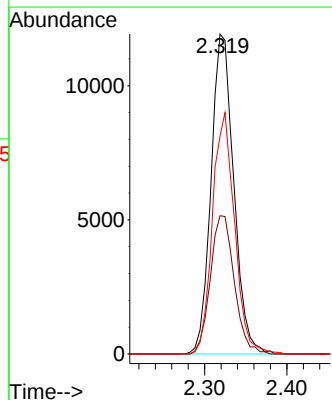
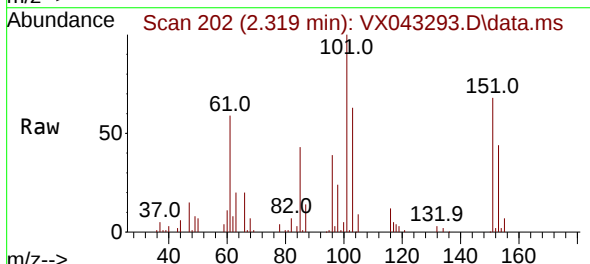
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

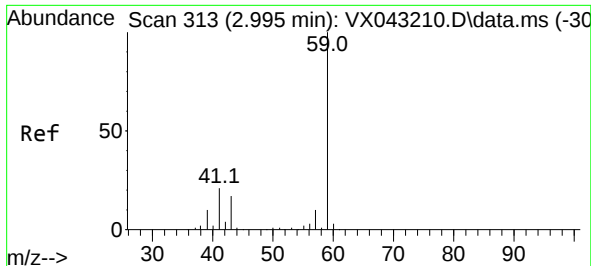
Tgt Ion: 50 Resp: 250
Ion Ratio Lower Upper
50 100
52 39.1 26.1 39.1



#9
1,1,2-Trichlorotrifluoroethane
Concen: 25.500 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

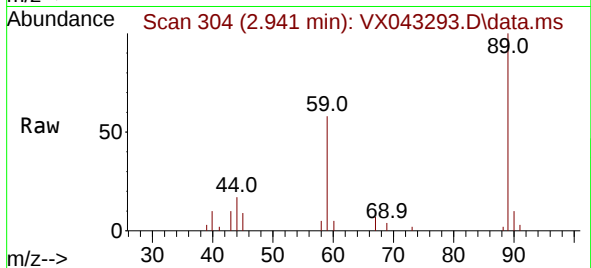
Tgt Ion: 101 Resp: 22901
Ion Ratio Lower Upper
101 100
85 45.4 37.0 55.6
151 73.5 60.0 90.0



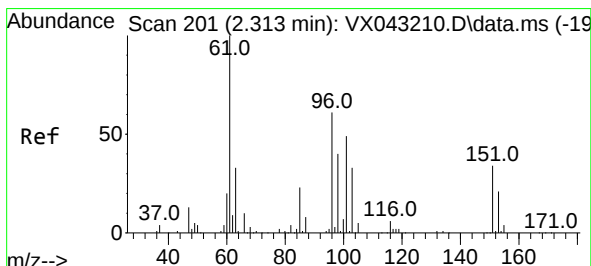
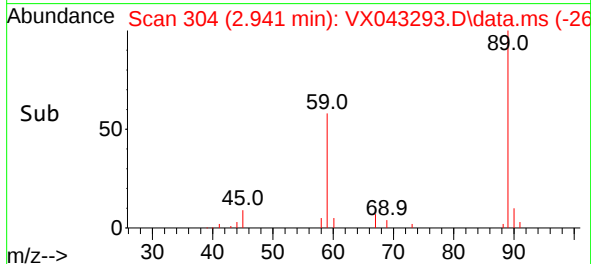
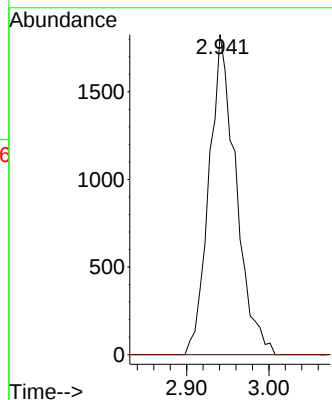


#11
Tert butyl alcohol
Concen: 16.696 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

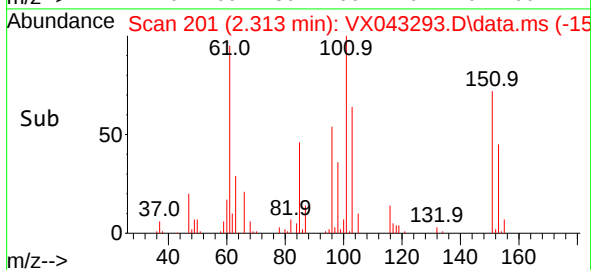
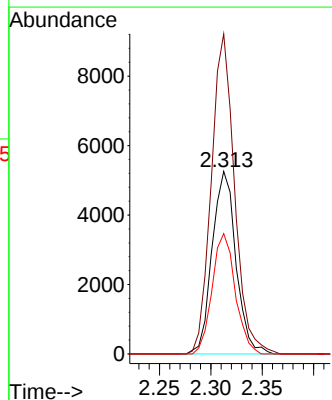
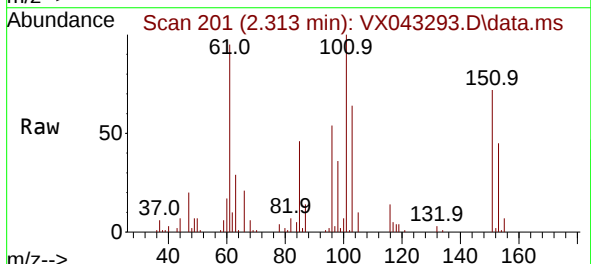


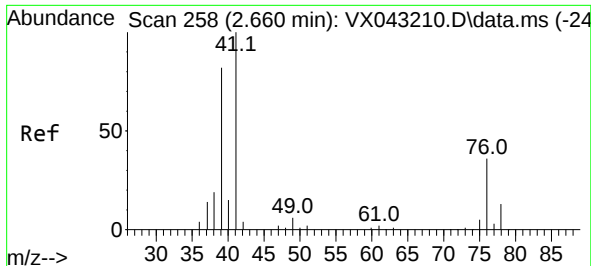
Tgt Ion: 59 Resp: 4165
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 9.488 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 96 Resp: 8461
Ion Ratio Lower Upper
96 100
61 175.3 130.6 195.8
98 65.9 51.7 77.5

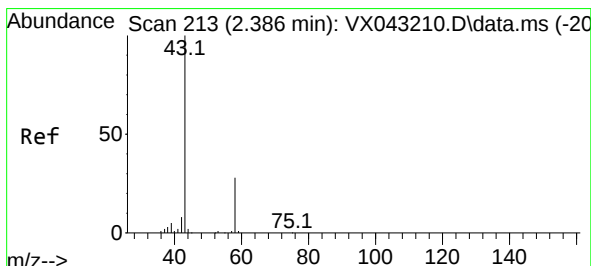
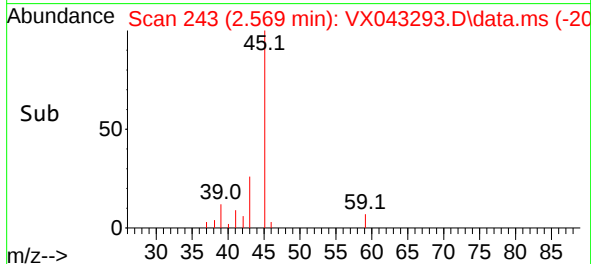
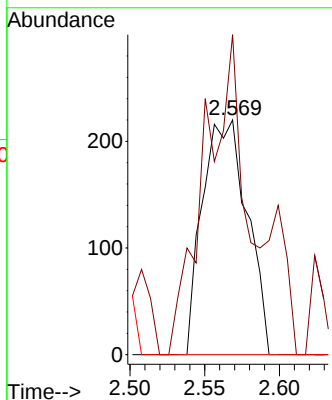
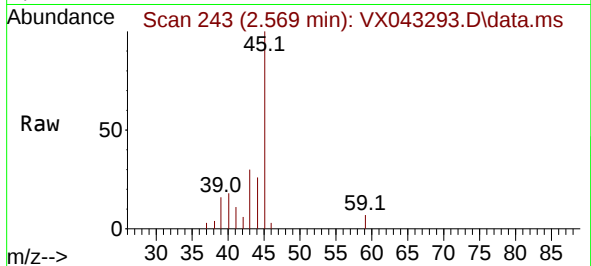




#14
 Allyl chloride
 Concen: 0.313 ug/l
 RT: 2.569 min Scan# 24
 Delta R.T. -0.091 min
 Lab File: VX043293.D
 Acq: 04 Oct 2024 16:47

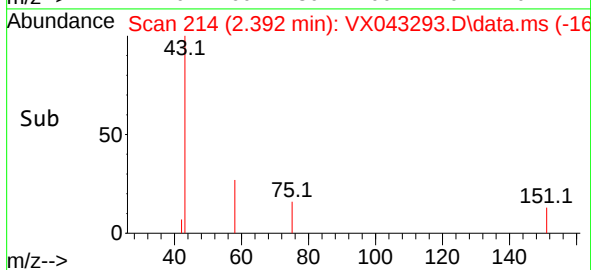
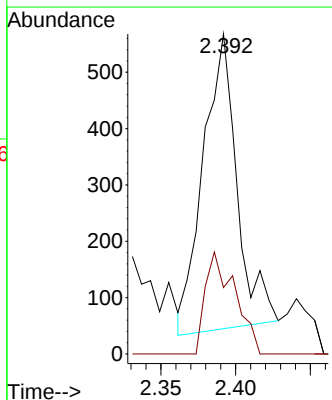
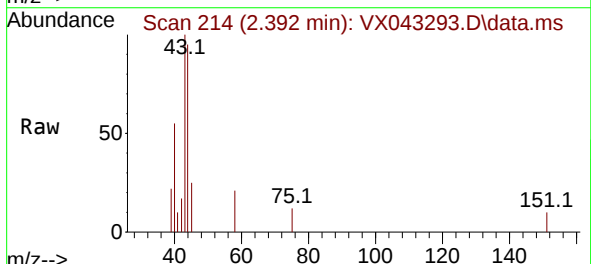
Instrument :
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 ClientSampleId :
 RE115D1-20240930

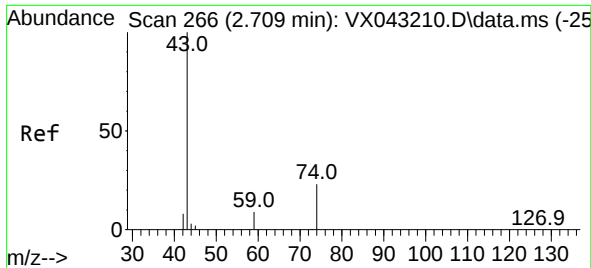
Tgt Ion: 41 Resp: 458
 Ion Ratio Lower Upper
 41 100
 39 121.6 61.7 92.5#
 76 0.0 28.6 43.0#



#16
 Acetone
 Concen: 1.507 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX043293.D
 Acq: 04 Oct 2024 16:47

Tgt Ion: 43 Resp: 825
 Ion Ratio Lower Upper
 43 100
 58 23.2 22.6 33.8

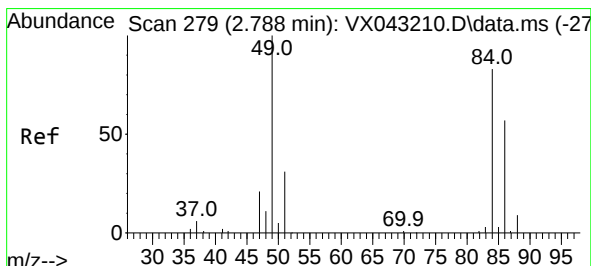
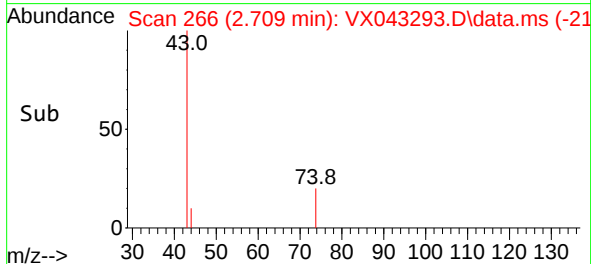
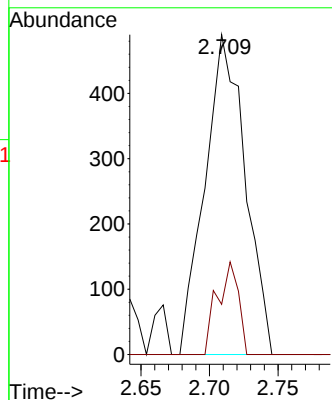
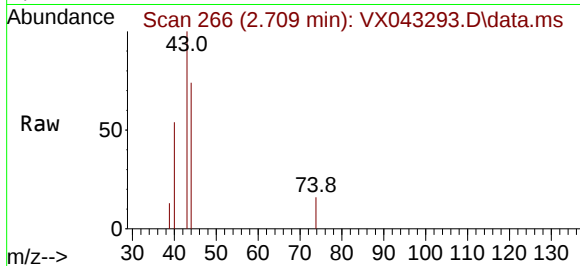




#18
Methyl Acetate
Concen: 0.728 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

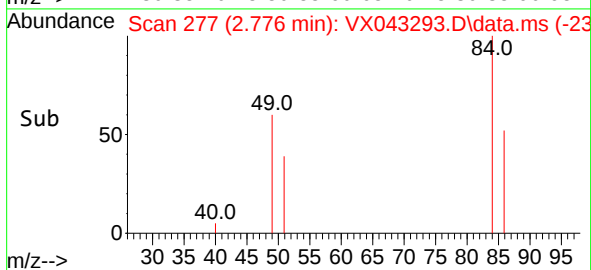
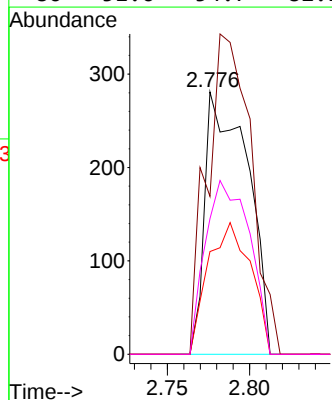
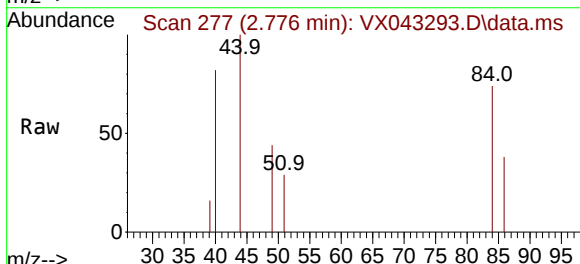
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MSVOA_X
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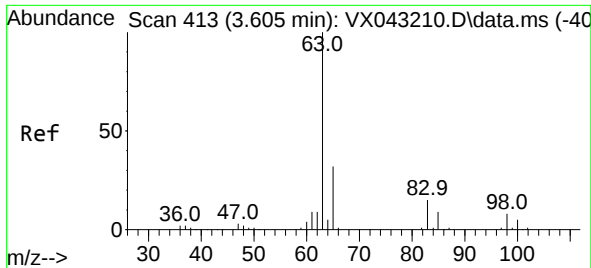
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
74 15.1 19.1 28.7#



#20
Methylene Chloride
Concen: 0.501 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
49 60.1 96.7 145.1#
51 39.1 30.4 45.6
86 51.6 54.7 82.1#





#24

1,1-Dichloroethane

Concen: 1.432 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX043293.D

Acq: 04 Oct 2024 16:47

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20240930

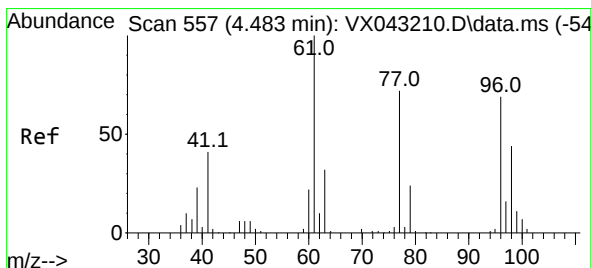
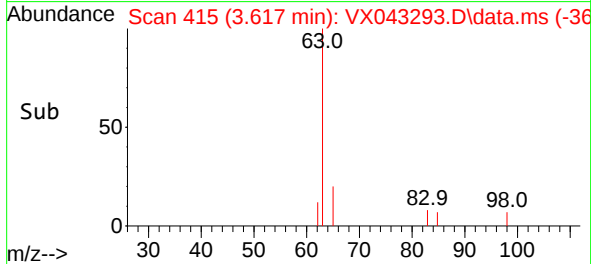
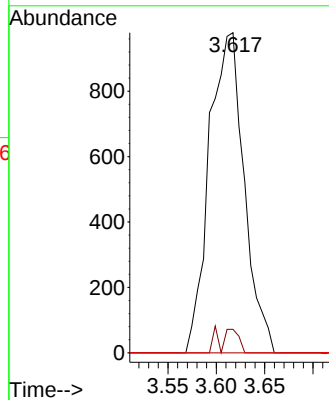
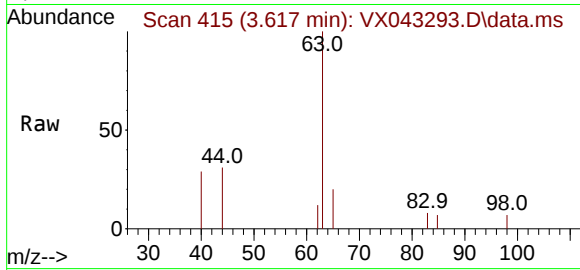
Tgt Ion: 63 Resp: 2458

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 0.0 2.5 7.4#



#27

cis-1,2-Dichloroethene

Concen: 3.044 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX043293.D

Acq: 04 Oct 2024 16:47

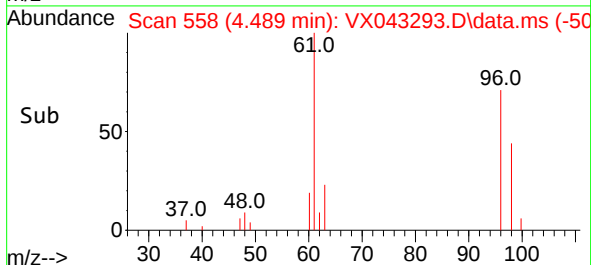
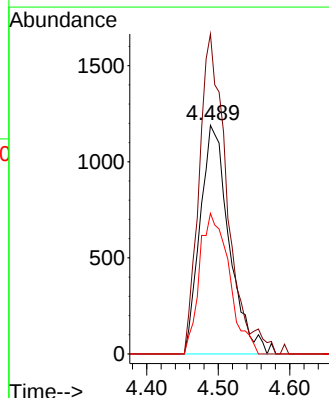
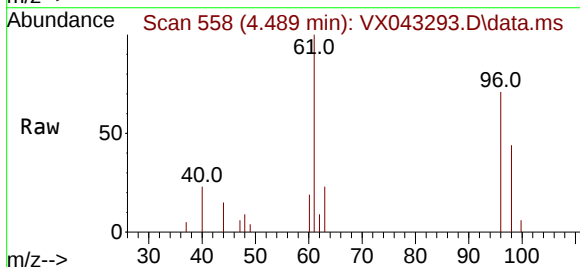
Tgt Ion: 96 Resp: 3369

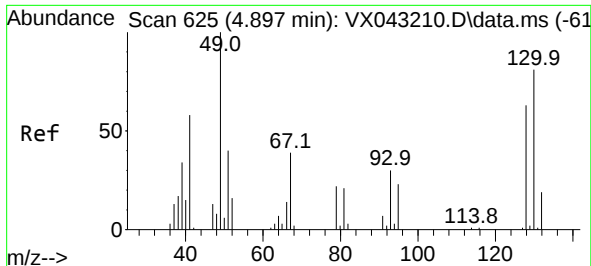
Ion Ratio Lower Upper

96 100

61 133.5 0.0 298.2

98 62.7 0.0 128.6





#28

Bromochloromethane

Concen: 0.396 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.207 min

Lab File: VX043293.D

Acq: 04 Oct 2024 16:47

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20240930

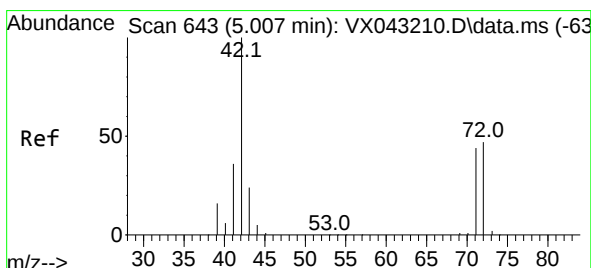
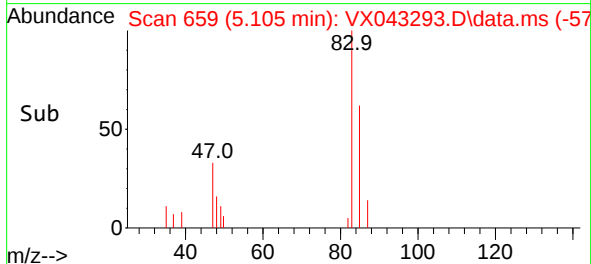
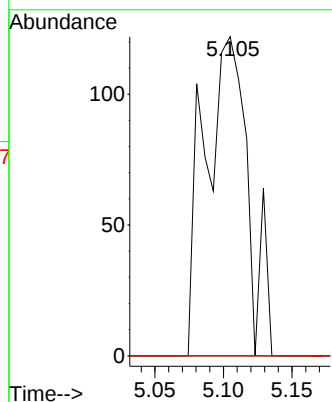
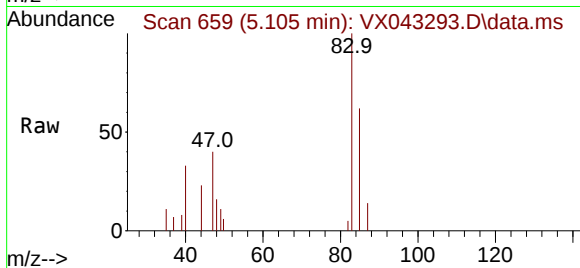
Tgt Ion: 49 Resp: 268

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 65.5 98.3#



#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.030 min

Lab File: VX043293.D

Acq: 04 Oct 2024 16:47

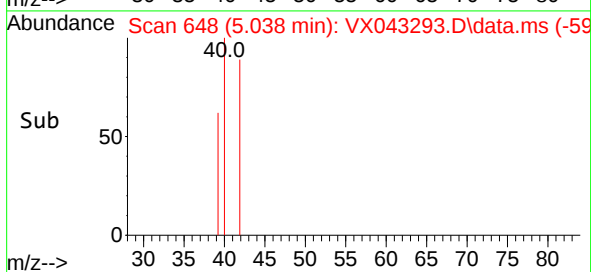
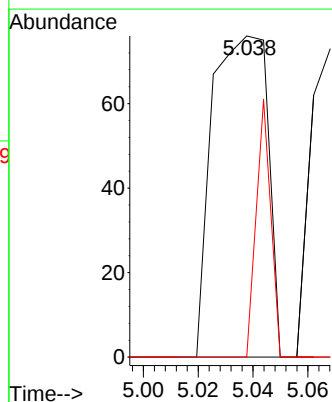
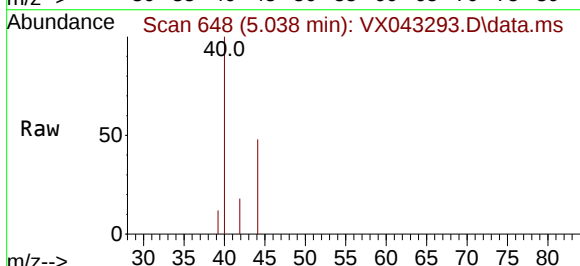
Tgt Ion: 42 Resp: 106

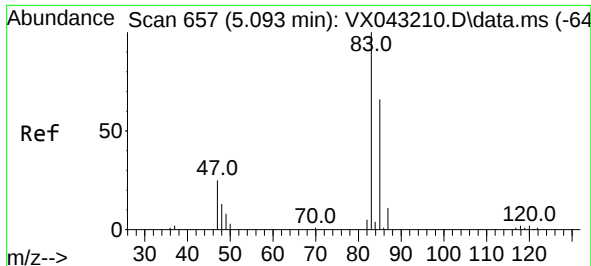
Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

71 20.8 34.6 52.0#

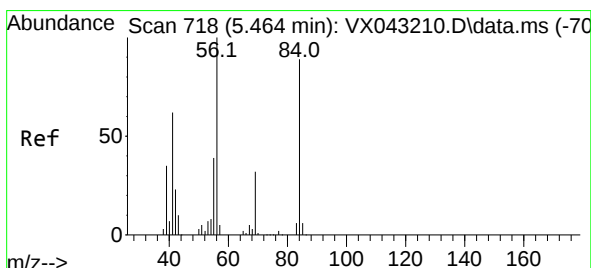
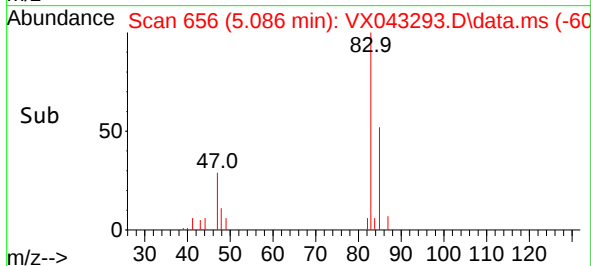
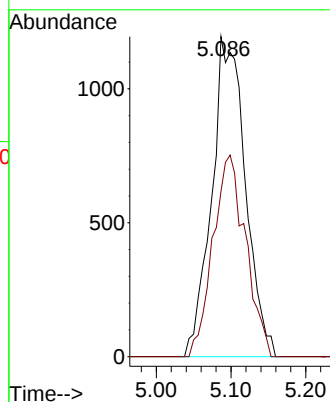
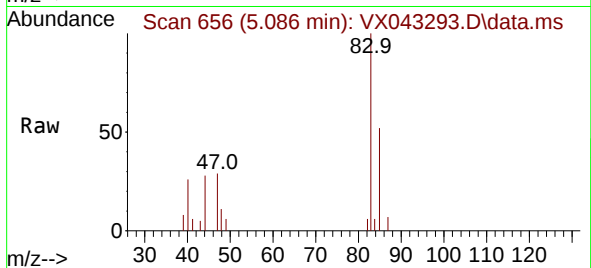




#30
Chloroform
Concen: 1.982 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

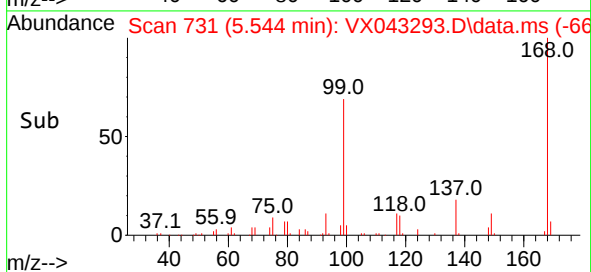
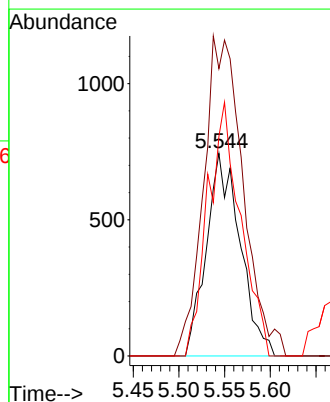
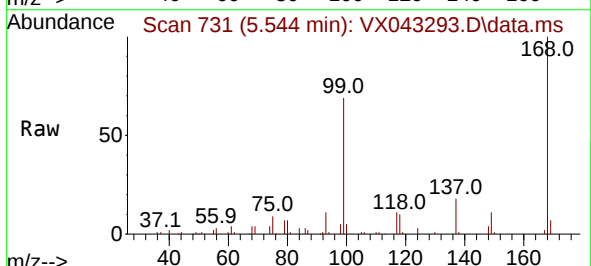
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

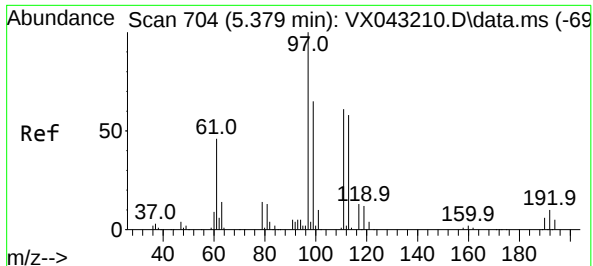
Tgt Ion: 83 Resp: 3736
Ion Ratio Lower Upper
83 100
85 51.7 52.5 78.7#



#31
Cyclohexane
Concen: 1.351 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 56 Resp: 1911
Ion Ratio Lower Upper
56 100
69 134.3 25.8 38.6#
84 108.3 71.1 106.7#

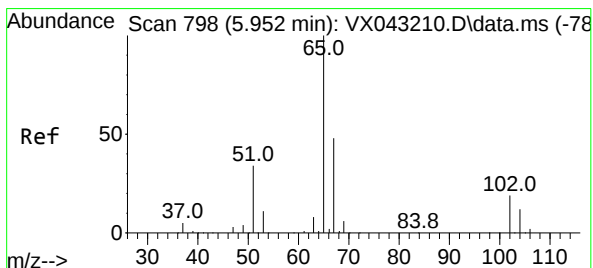
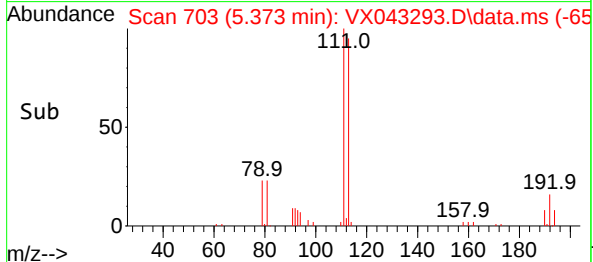
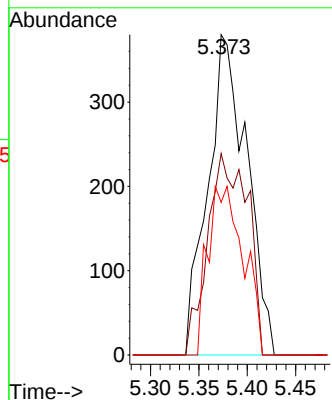
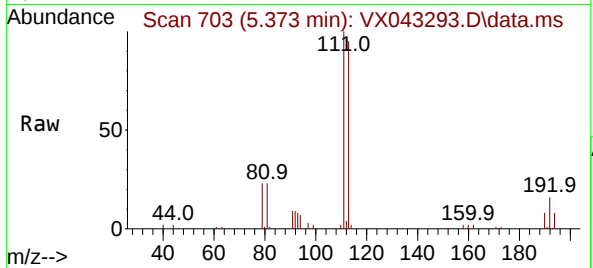




#32
1,1,1-Trichloroethane
Concen: 0.616 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

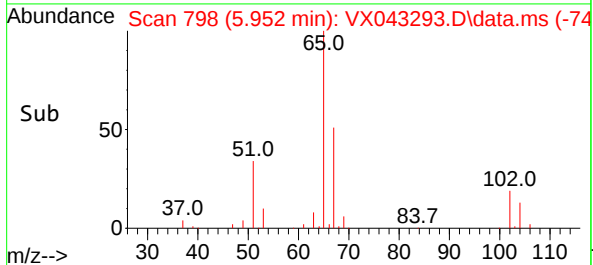
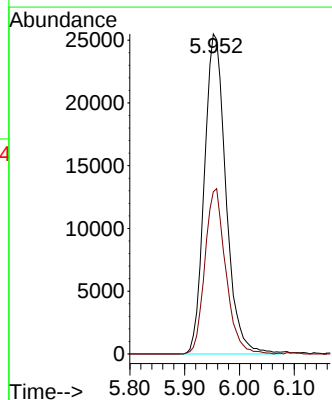
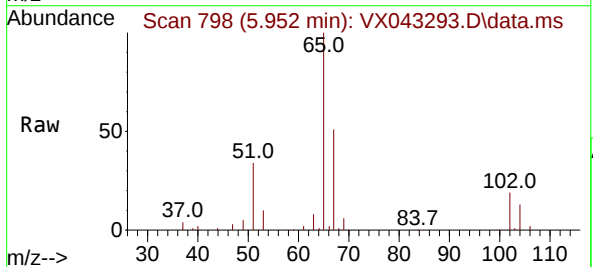
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

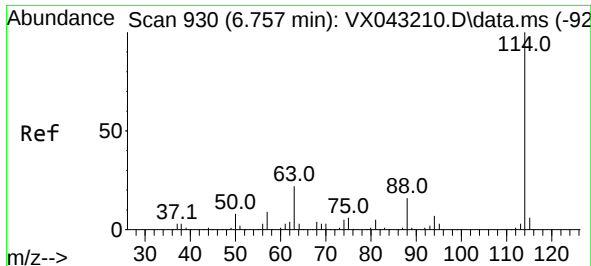
Tgt Ion: 97 Resp: 1066
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 48.2 35.6 53.4



#33
1,2-Dichloroethane-d4
Concen: 53.002 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 65 Resp: 69479
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0

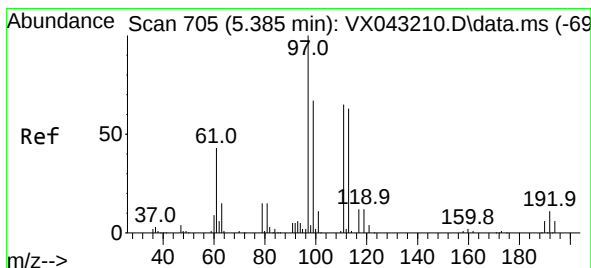
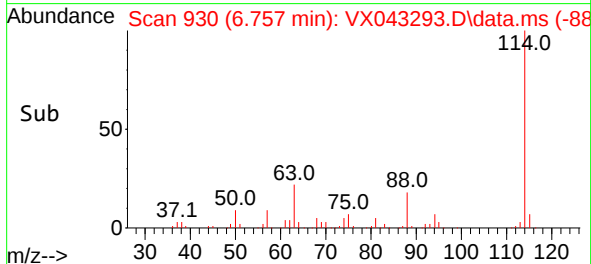
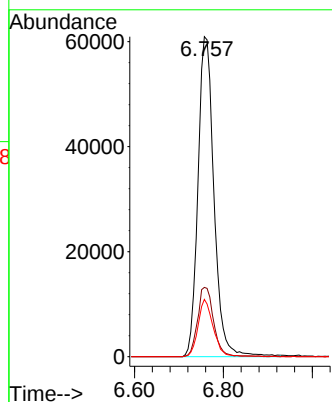
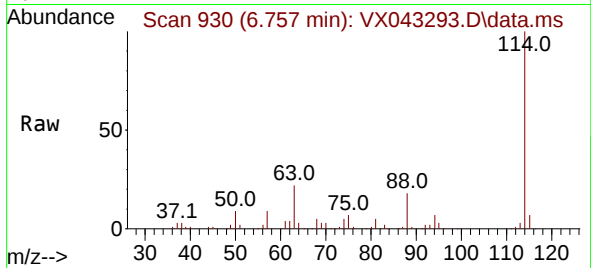




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

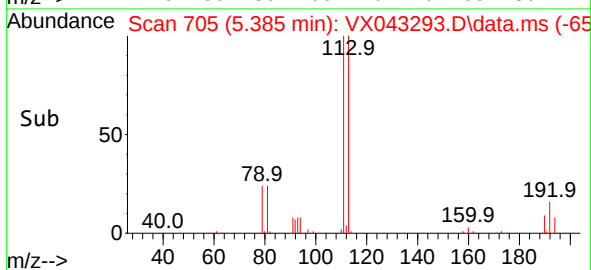
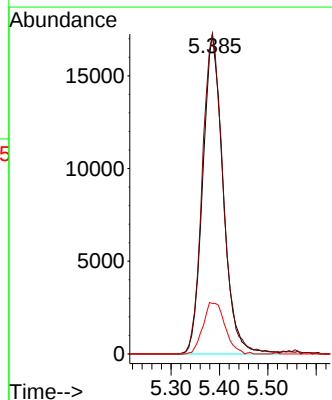
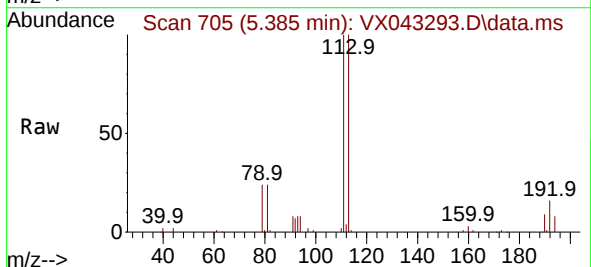
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

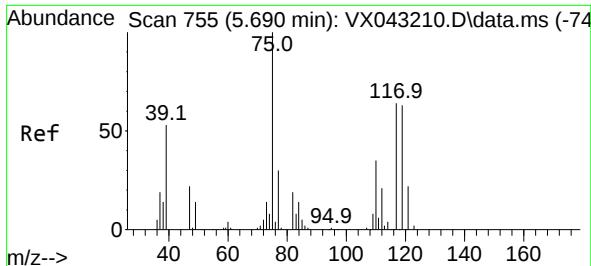
Tgt Ion:114 Resp: 153282
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.0
88 17.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.602 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion:113 Resp: 50320
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.0
192 17.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.421 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX043293.D

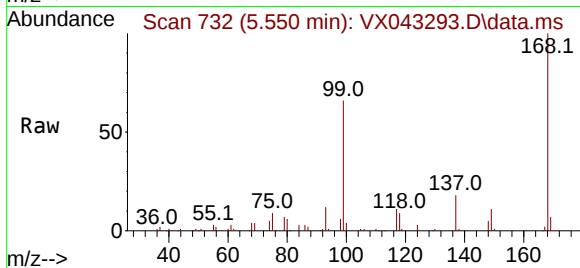
Acq: 04 Oct 2024 16:47

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20240930



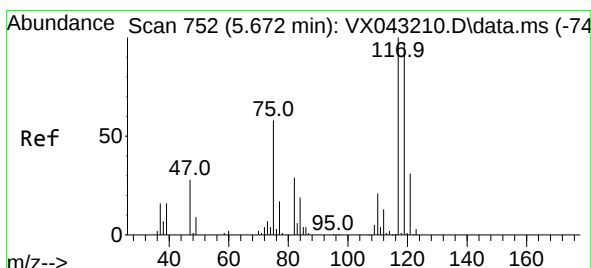
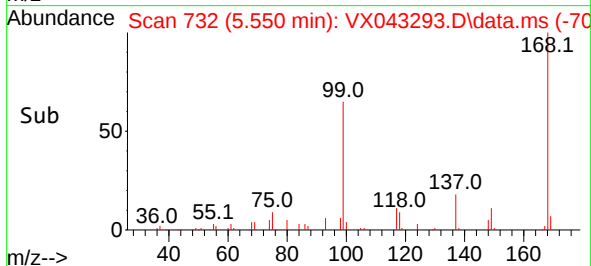
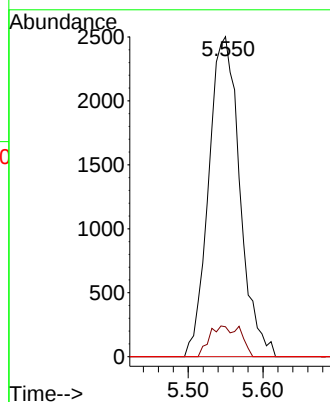
Tgt Ion: 75 Resp: 7239

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 2.796 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX043293.D

Acq: 04 Oct 2024 16:47

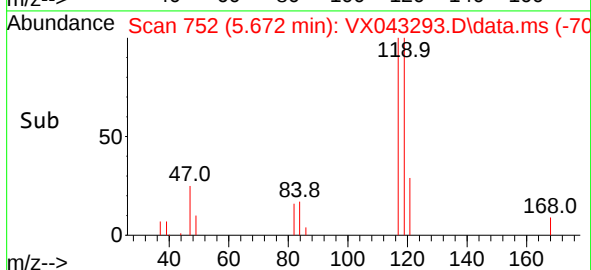
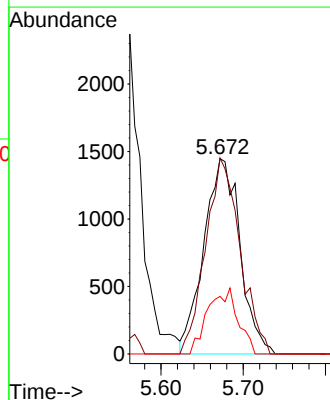
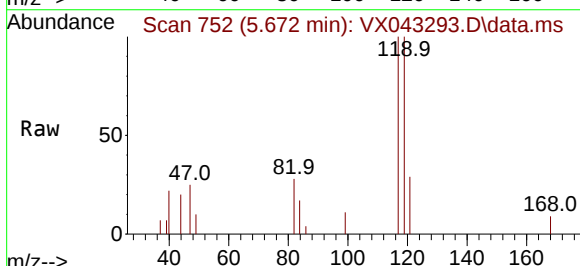
Tgt Ion: 117 Resp: 4421

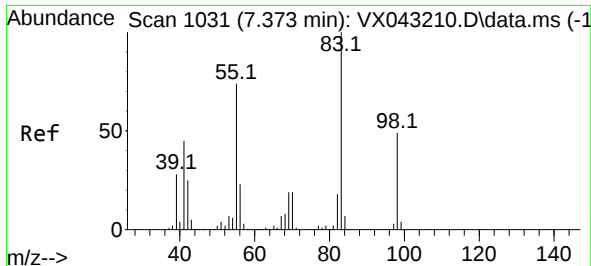
Ion Ratio Lower Upper

117 100

119 100.3 77.7 116.5

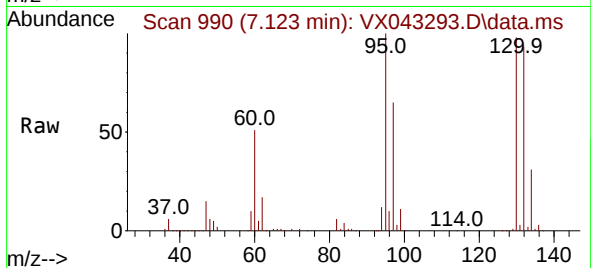
121 29.5 24.3 36.5



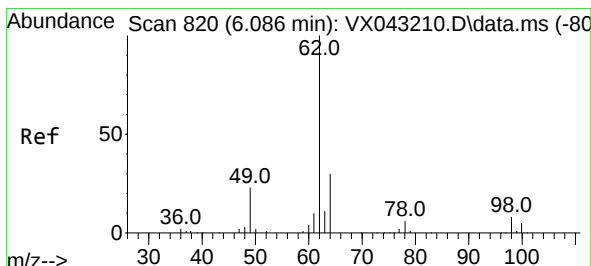
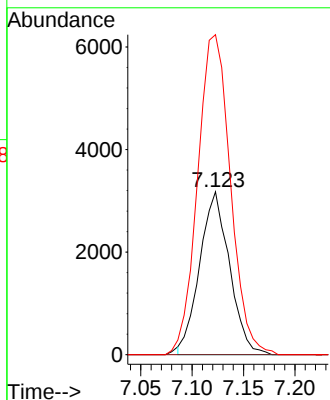
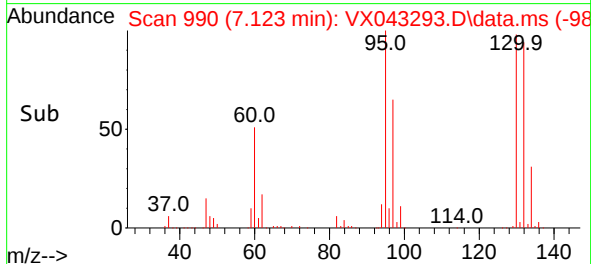


#39
Methylcyclohexane
Concen: 3.819 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

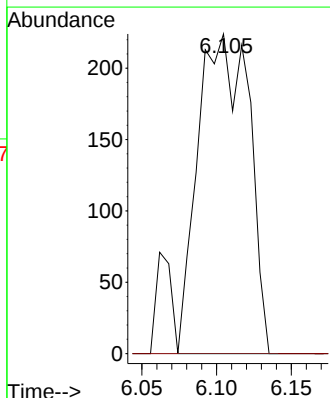
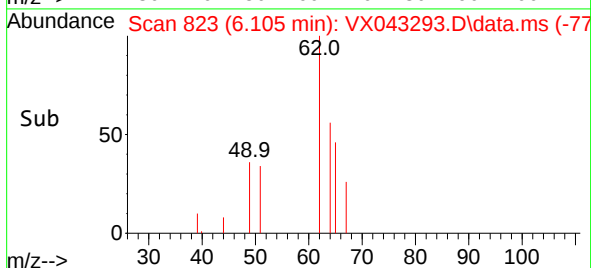
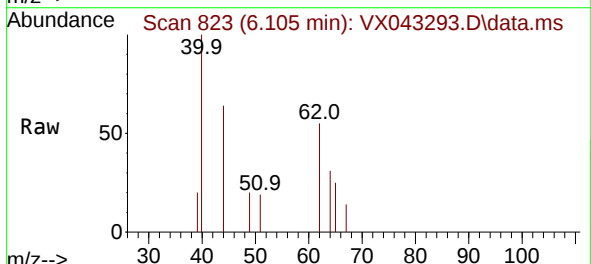


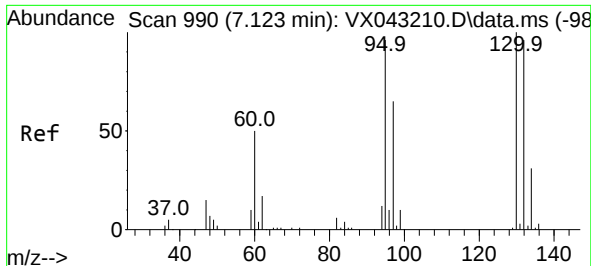
Tgt Ion: 83 Resp: 6414
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.2#
98 196.5 39.3 58.9#



#42
1,2-Dichloroethane
Concen: 0.322 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 62 Resp: 532
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

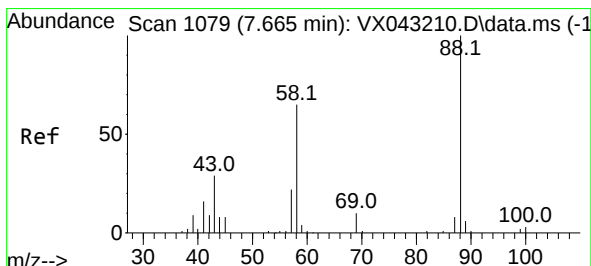
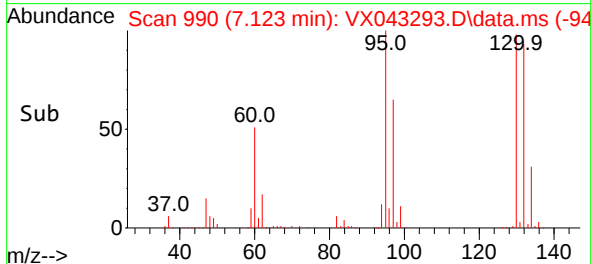
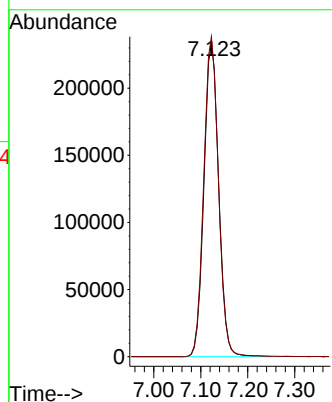
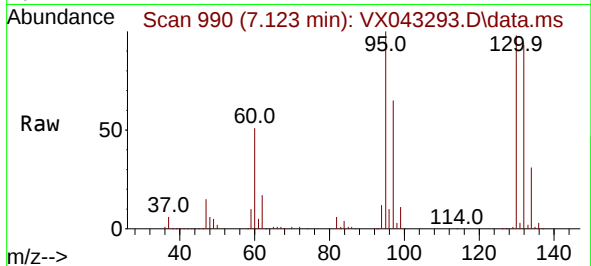




#44
Trichloroethene
Concen: 474.055 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

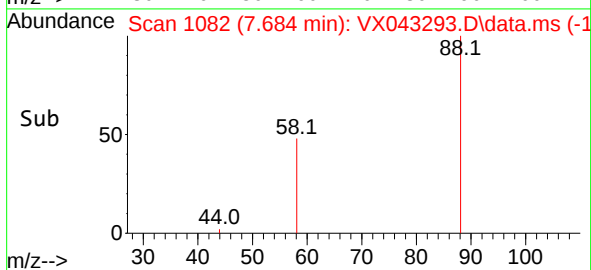
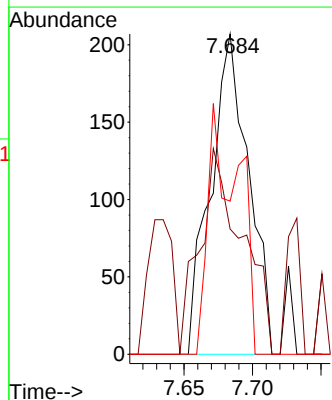
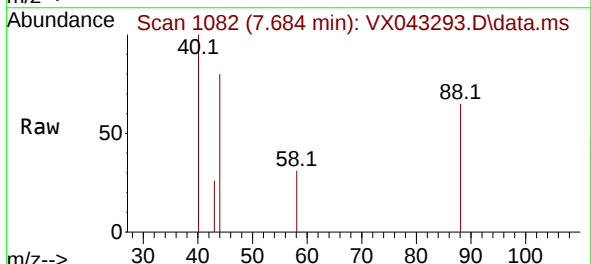
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

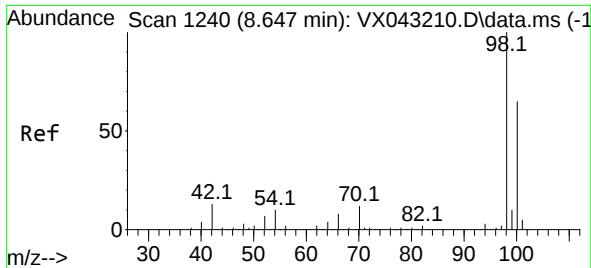
Tgt Ion:130 Resp: 509100
Ion Ratio Lower Upper
130 100
95 102.0 0.0 192.2



#49
1,4-Dioxane
Concen: 15.832 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 88 Resp: 400
Ion Ratio Lower Upper
88 100
43 72.0 29.5 44.3#
58 61.8 55.2 82.8

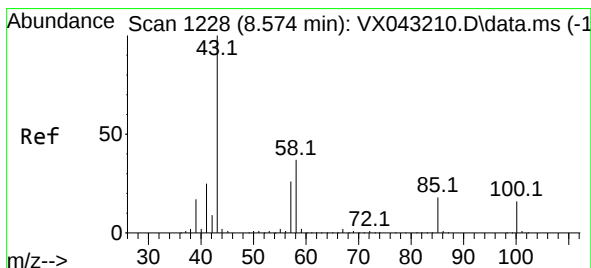
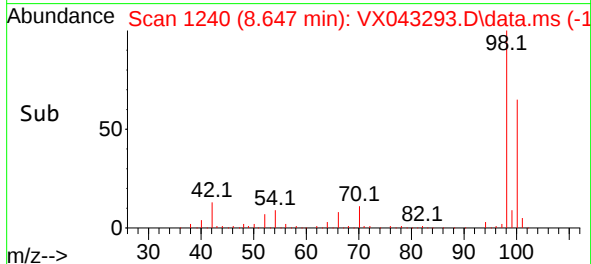
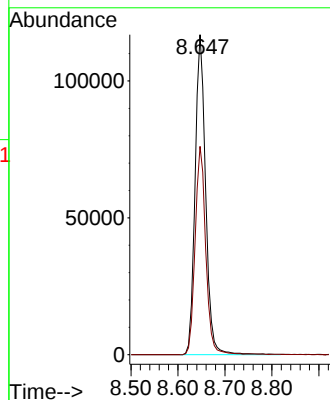
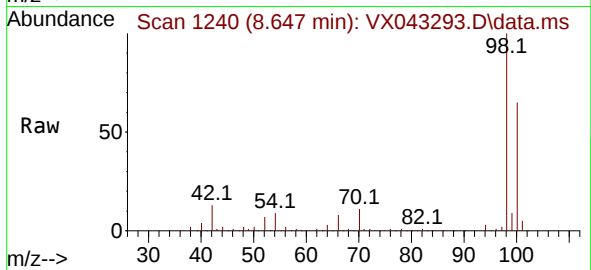




#50
Toluene-d8
Concen: 50.024 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

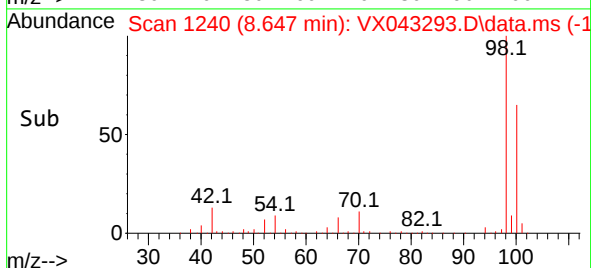
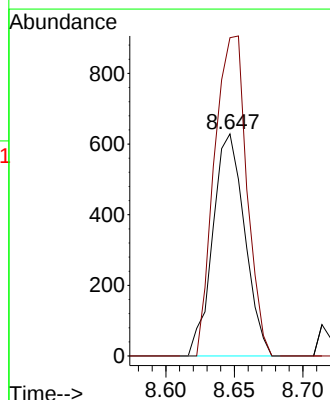
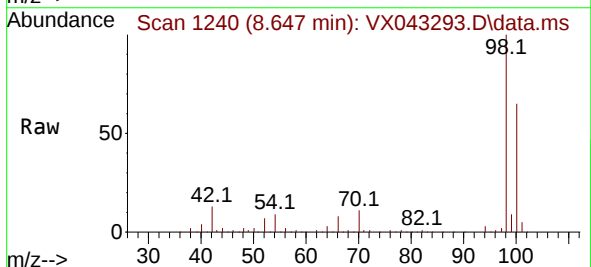
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

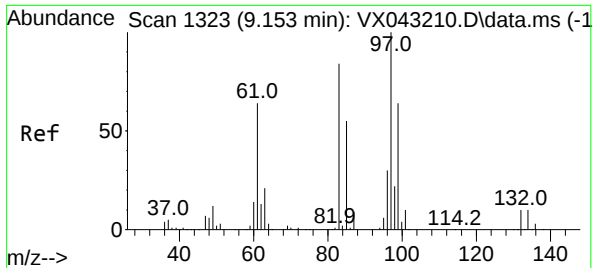
Tgt Ion: 98 Resp: 183254
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 0.633 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
58 146.6 30.0 45.0#

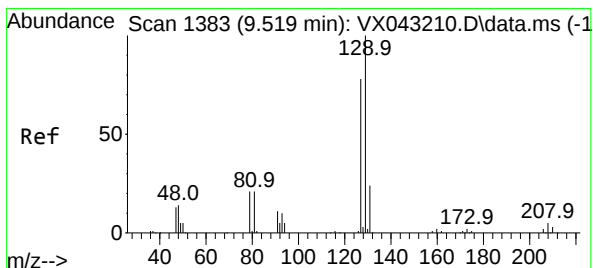
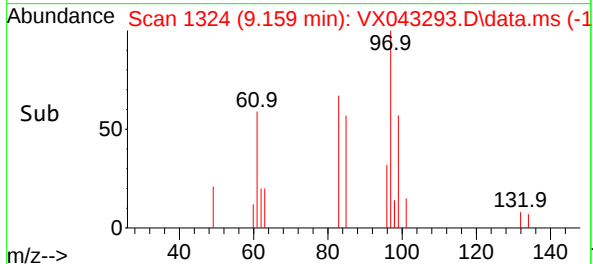
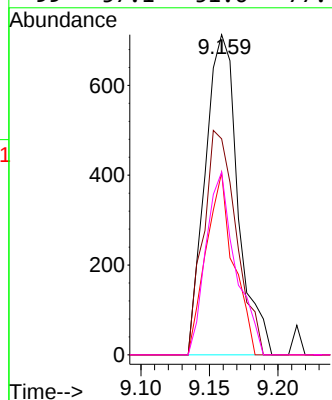
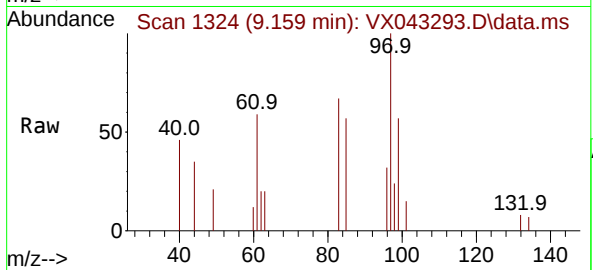




#55
 1,1,2-Trichloroethane
 Concen: 1.178 ug/l
 RT: 9.159 min Scan# 1188
 Delta R.T. 0.006 min
 Lab File: VX043293.D
 Acq: 04 Oct 2024 16:47

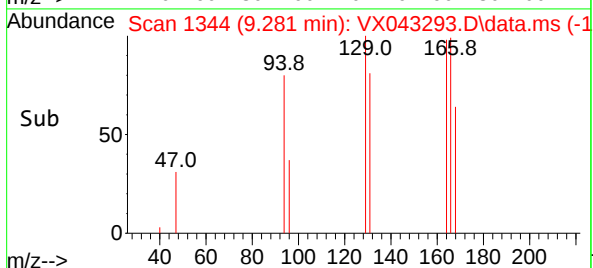
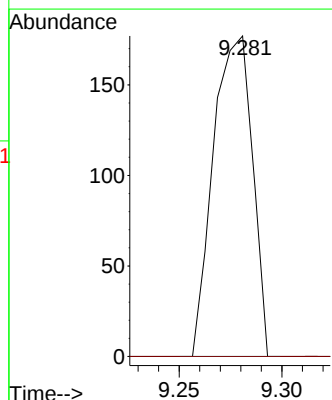
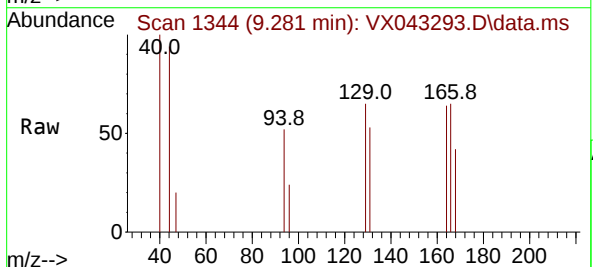
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20240930

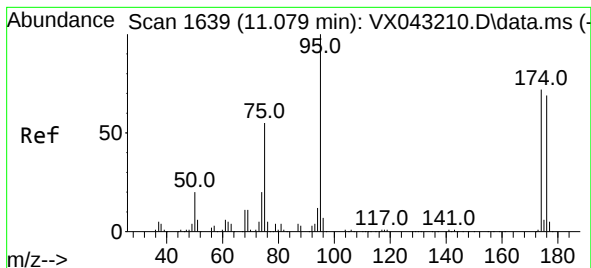
Tgt Ion	Ratio	Lower	Upper
97	100		
83	67.5	66.9	100.3
85	56.9	43.9	65.9
99	57.1	51.6	77.4



#60
 Dibromochloromethane
 Concen: 0.200 ug/l
 RT: 9.281 min Scan# 1344
 Delta R.T. -0.238 min
 Lab File: VX043293.D
 Acq: 04 Oct 2024 16:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.3	114.9#

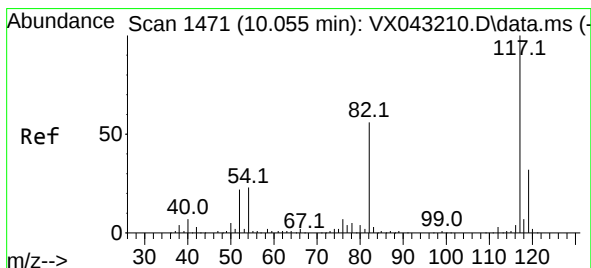
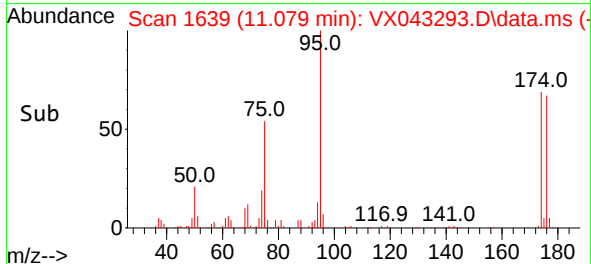
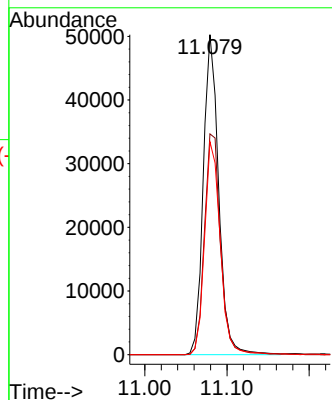
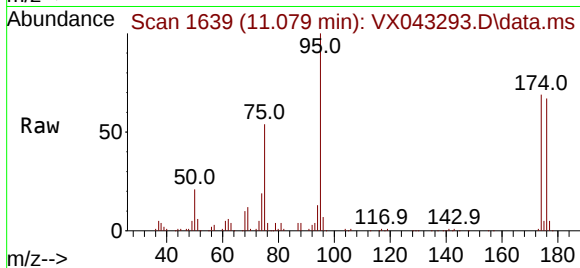




#62
4-Bromofluorobenzene
Concen: 49.096 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

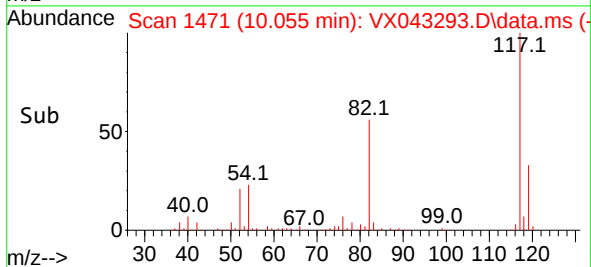
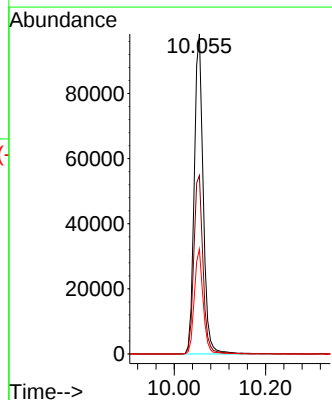
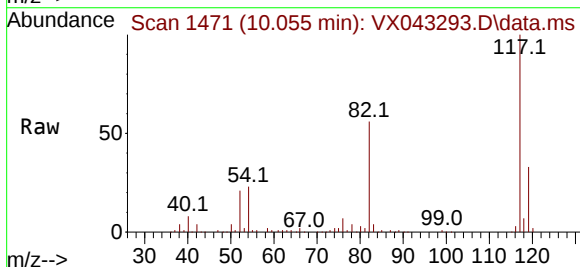
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

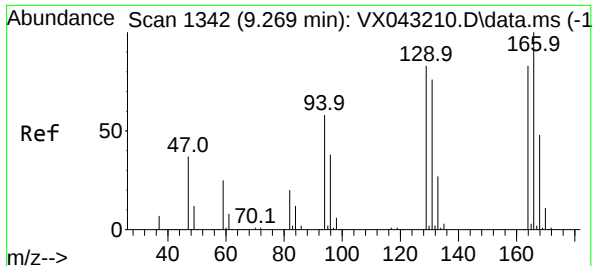
Tgt Ion: 95 Resp: 65340
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.0
176 68.2 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 117 Resp: 134054
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.6
119 32.8 25.3 37.9

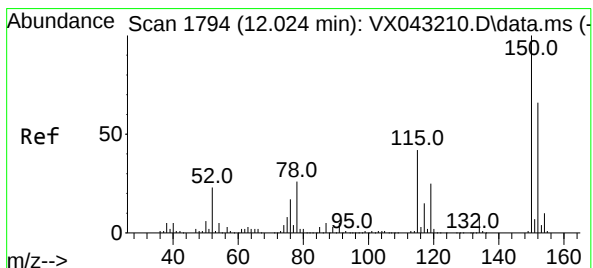
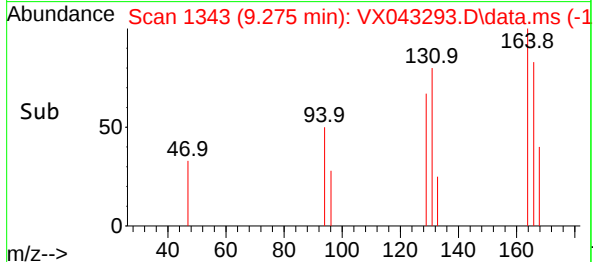
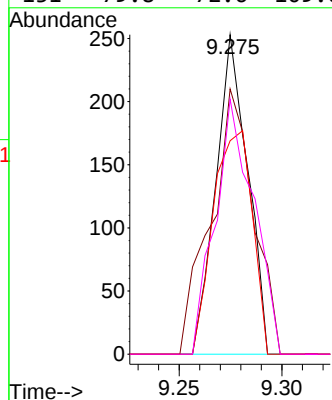
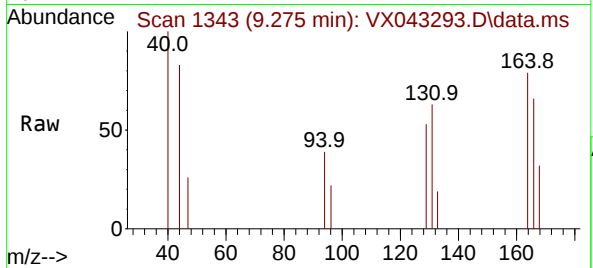




#64
Tetrachloroethene
Concen: 0.291 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

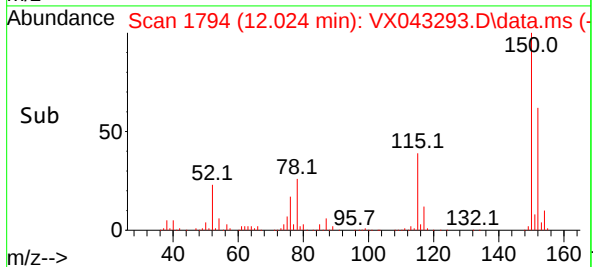
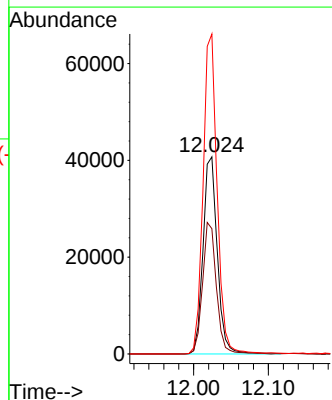
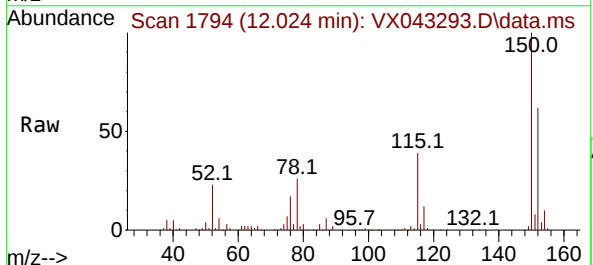
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

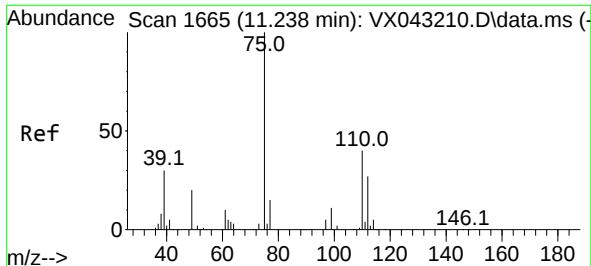
Tgt Ion:164	Resp:	271
Ion	Ratio	Lower Upper
164	100	
166	83.0	96.0 144.0#
129	66.8	79.4 119.0#
131	79.8	72.6 109.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion:152	Resp:	54028
Ion	Ratio	Lower Upper
152	100	
115	64.8	44.1 132.3
150	160.0	0.0 347.4

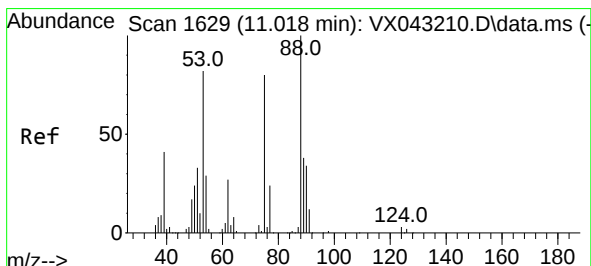
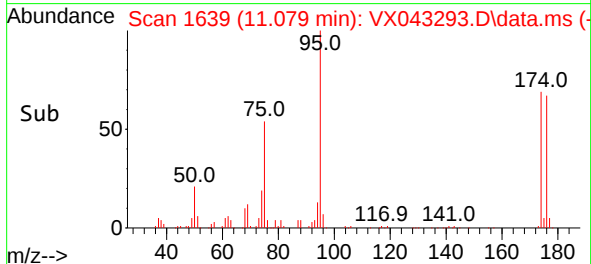
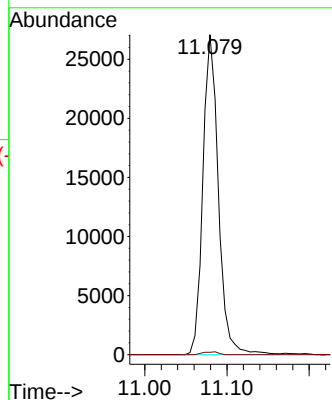
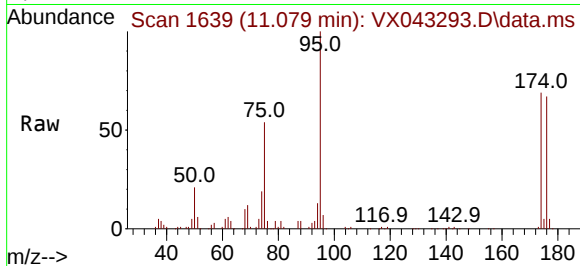




#76
1,2,3-Trichloropropane
Concen: 29.562 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240930

Tgt Ion: 75 Resp: 35427
Ion Ratio Lower Upper
75 100
77 0.9 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043293.D
Acq: 04 Oct 2024 16:47

Tgt Ion: 75 Resp: 35427
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

