

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029048.D
 Acq On : 28 May 2022 01:43
 Operator : JC/MD
 Sample : N3022-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 25BR-20220525

Quant Time: May 28 08:37:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

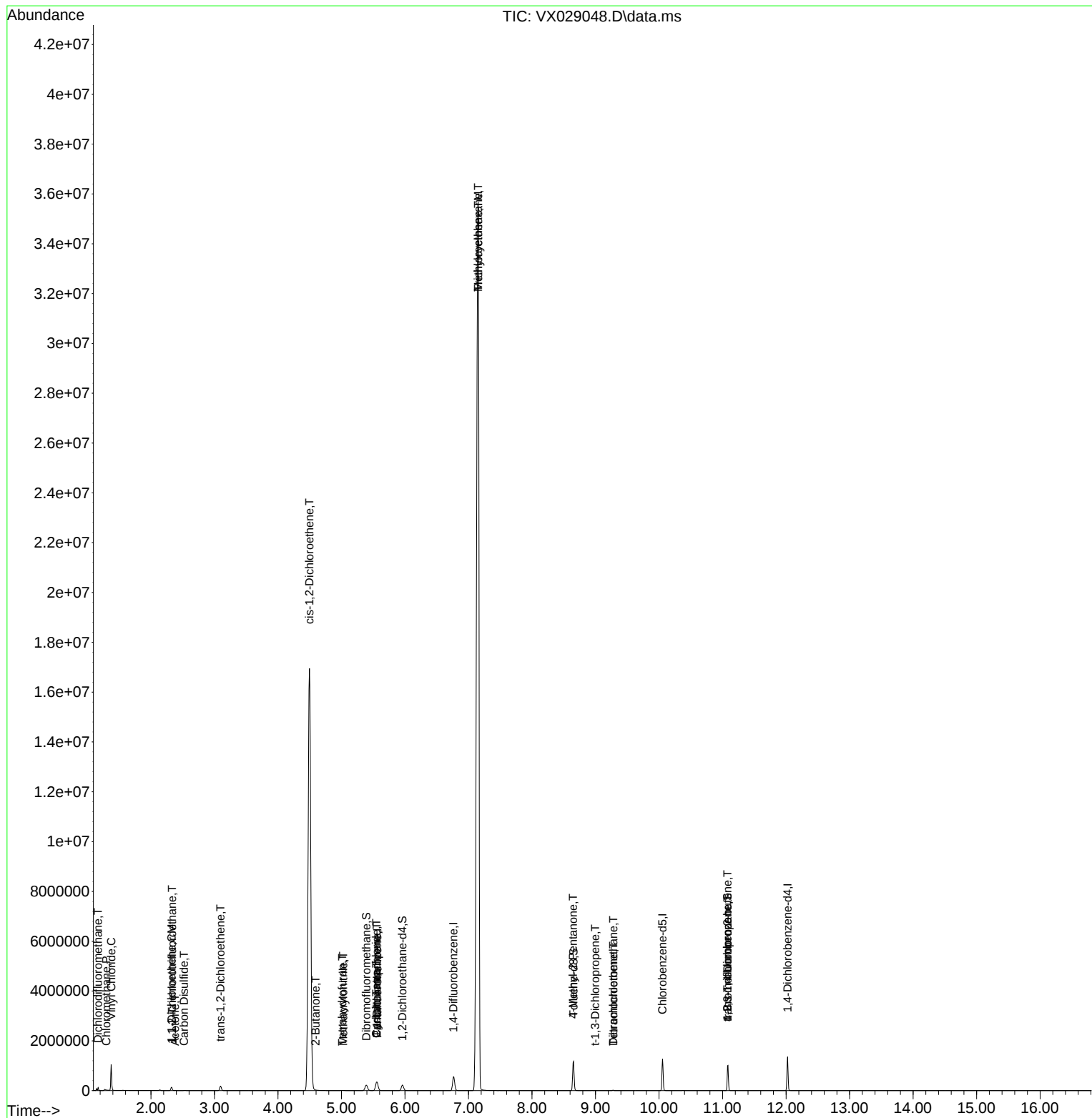
Internal Standards						
1) Pentafluorobenzene	5.562	168	344679	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	606048	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	589663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	218843	46.318	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.640%
35) Dibromofluoromethane	5.391	113	197216	49.667	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.340%
50) Toluene-d8	8.653	98	720261	48.112	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.220%
62) 4-Bromofluorobenzene	11.079	95	288640	51.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60456	13.395	ug/l	100
3) Chloromethane	1.294	50	2155	0.507	ug/l #	78
4) Vinyl Chloride	1.374	62	617067	134.717	ug/l	99
5) Bromomethane	1.611	94	1194	Below Cal	#	64
9) 1,1,2-Trichlorotrifluo...	2.331	101	5695	1.482	ug/l	97
11) Tert butyl alcohol	2.959	59	317	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	42451	11.900	ug/l	98
16) Acetone	2.380	43	5515	2.720	ug/l	92
17) Carbon Disulfide	2.520	76	4984	0.539	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	78190	19.459	ug/l	96
25) 2-Butanone	4.593	43	705	0.221	ug/l	90
27) cis-1,2-Dichloroethene	4.495	96	11855775	2526.279	ug/l	83
29) Tetrahydrofuran	5.013	42	9731	4.703	ug/l	92
31) Cyclohexane	5.550	56	6051	0.923	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	25443	4.266	ug/l #	50
38) Carbon Tetrachloride	5.550	117	34293	5.714	ug/l #	15
39) Methylcyclohexane	7.153	83	244779	35.789	ug/l #	1
41) Methacrylonitrile	5.025	41	5510	1.650	ug/l #	38
44) Trichloroethene	7.153	130	17208497	3701.882	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2717	0.423	ug/l #	1
53) t-1,3-Dichloropropene	8.994	75	19	1.643	ug/l #	43
60) Dibromochloromethane	9.281	129	3660	0.835	ug/l #	9
64) Tetrachloroethene	9.281	164	3823	0.859	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	140775	20.918	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	140775	61.444	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

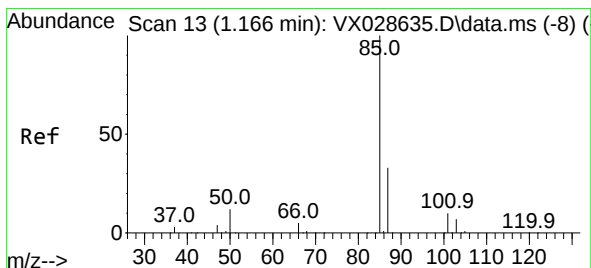
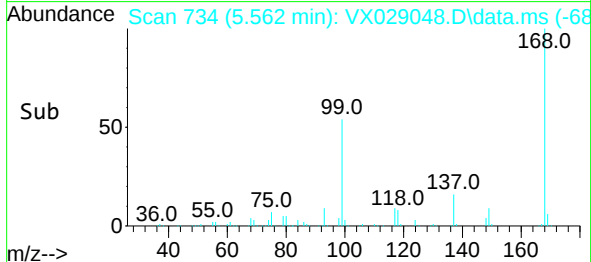
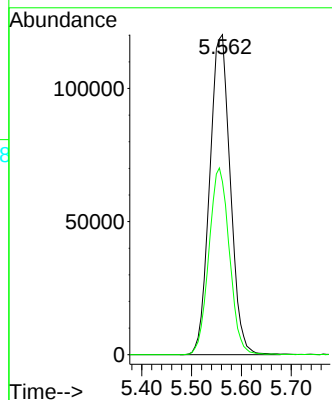
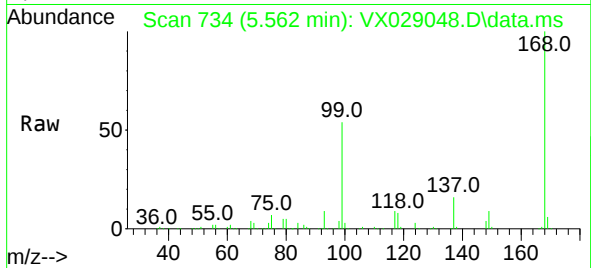




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.013 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

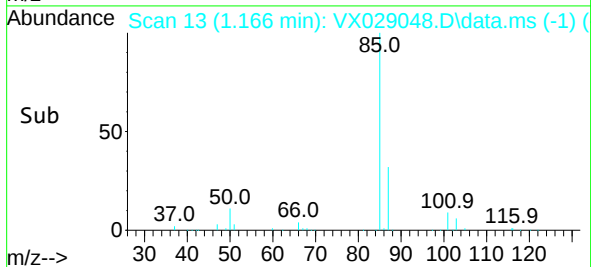
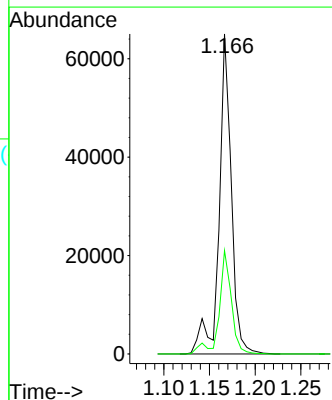
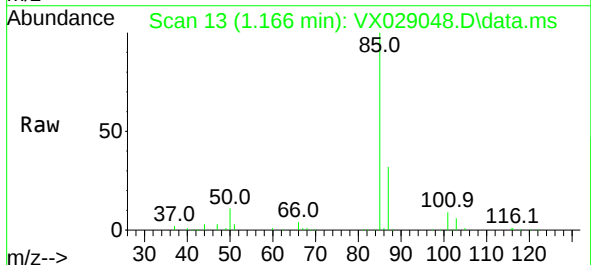
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

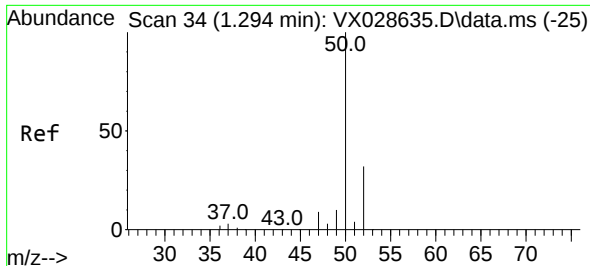
Tgt Ion:168 Resp: 344679
Ion Ratio Lower Upper
168 100
99 54.1 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 13.395 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 85 Resp: 60456
Ion Ratio Lower Upper
85 100
87 32.3 16.2 48.6

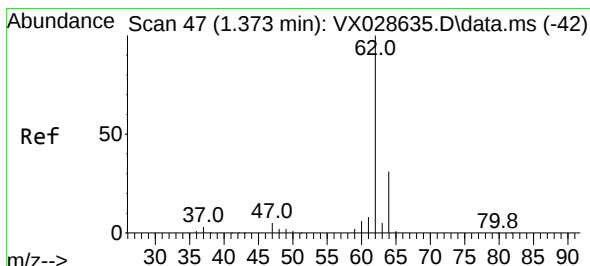
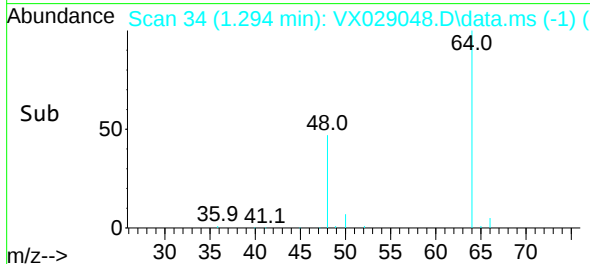
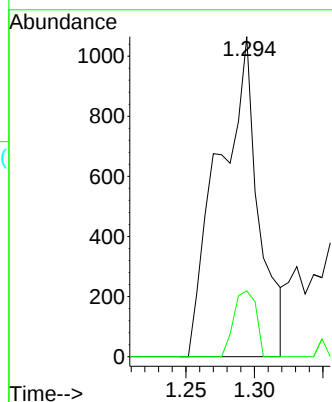
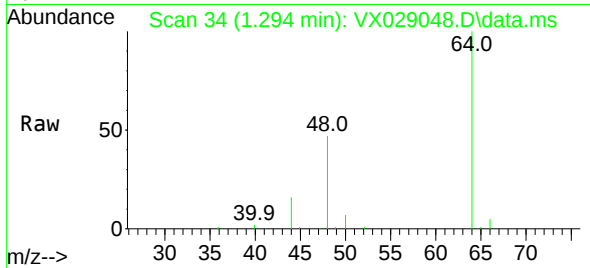




#3
Chloromethane
Concen: 0.507 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

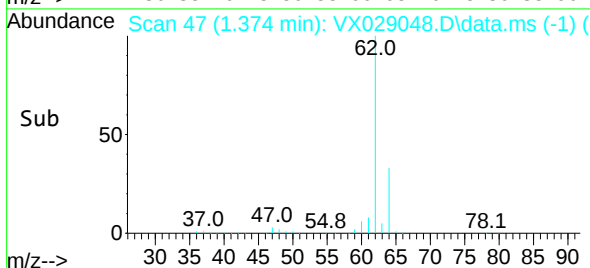
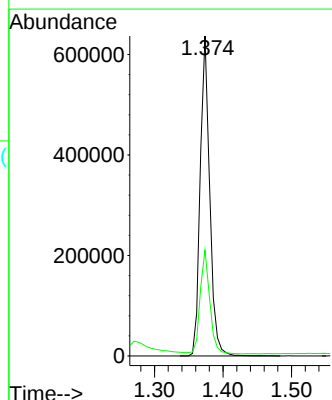
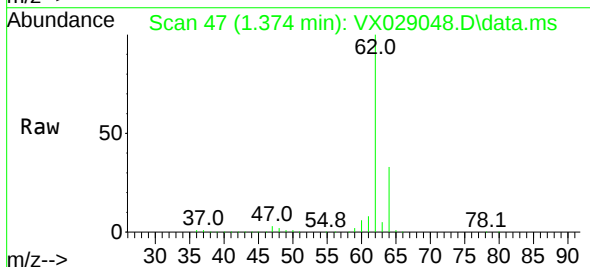
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

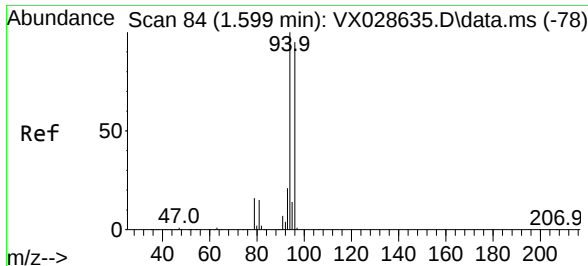
Tgt Ion: 50 Resp: 2155
Ion Ratio Lower Upper
50 100
52 20.6 26.4 39.6#



#4
Vinyl Chloride
Concen: 134.717 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 62 Resp: 617067
Ion Ratio Lower Upper
62 100
64 32.4 25.5 38.3

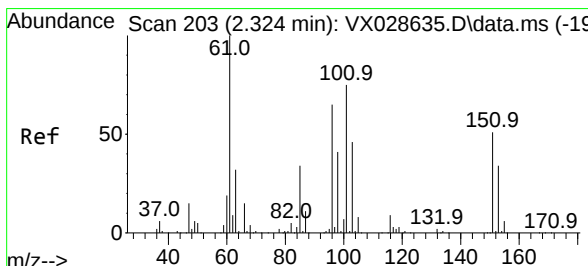
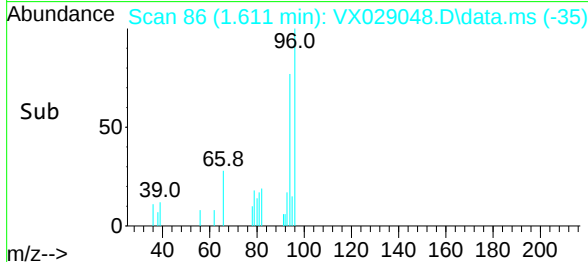
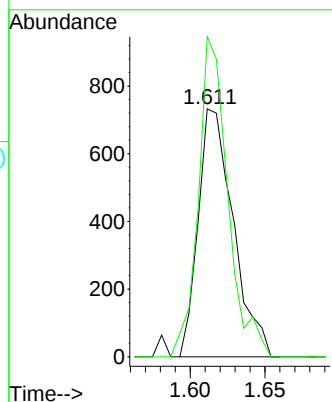
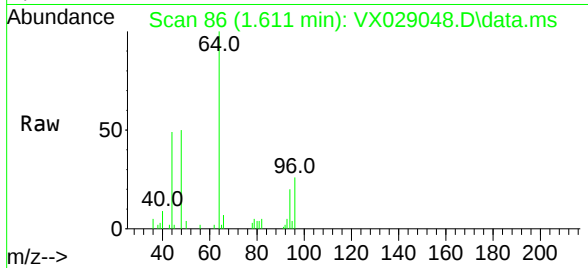




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

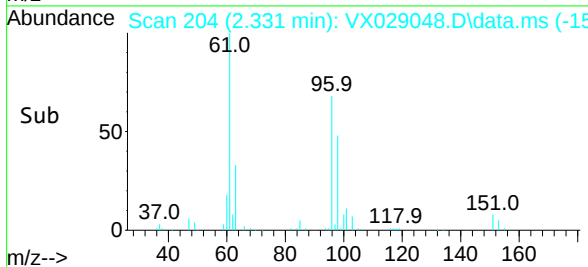
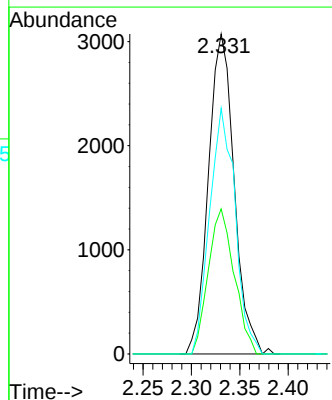
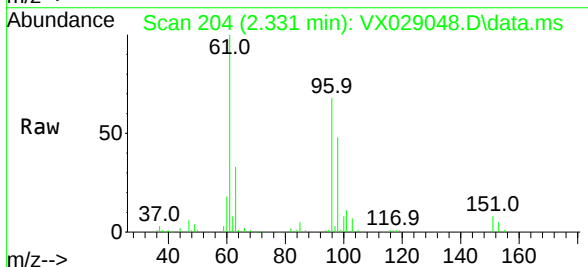
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

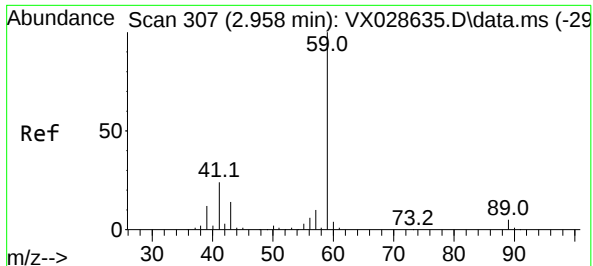
Tgt Ion: 94 Resp: 1194
Ion Ratio Lower Upper
94 100
96 129.1 75.3 112.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.482 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 101 Resp: 5695
Ion Ratio Lower Upper
101 100
85 45.6 33.5 50.3
151 76.1 61.8 92.6





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX029048.D

Acq: 28 May 2022 01:43

Instrument :

MSVOA_X

ClientSampleId :

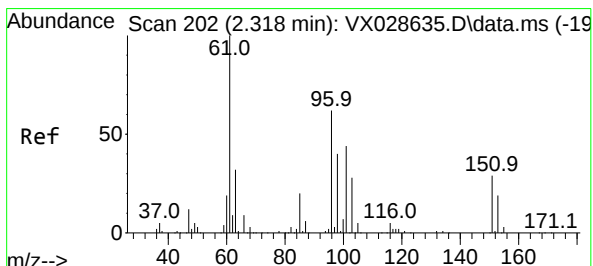
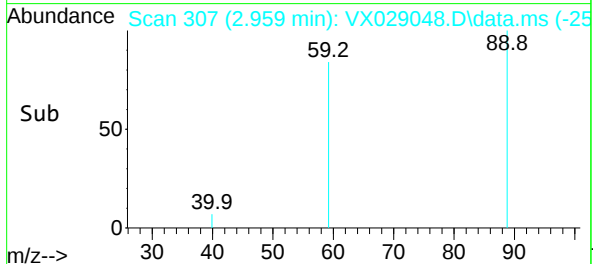
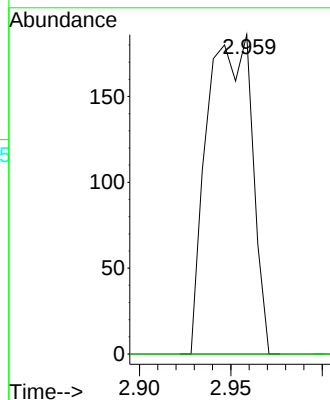
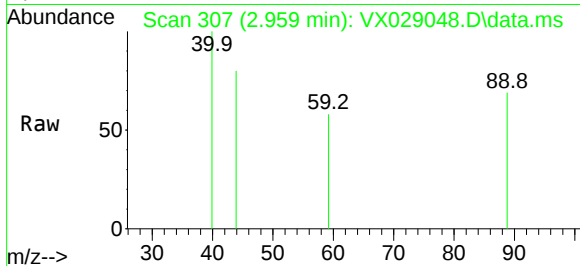
25BR-20220525

Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 11.900 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX029048.D

Acq: 28 May 2022 01:43

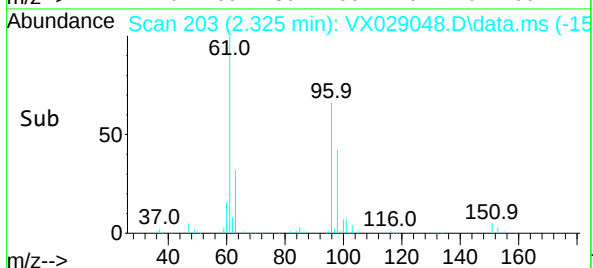
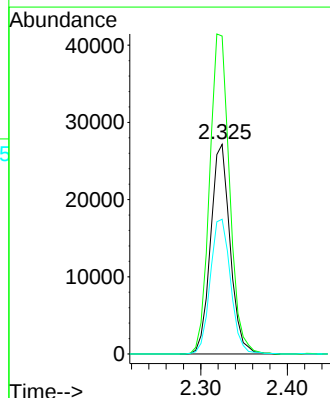
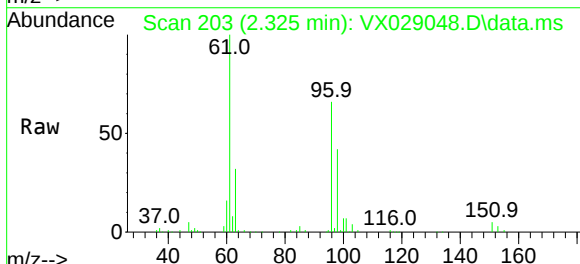
Tgt Ion: 96 Resp: 42451

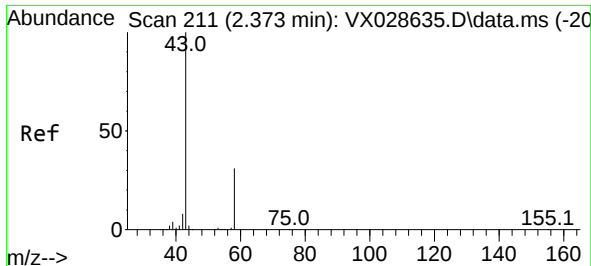
Ion Ratio Lower Upper

96 100

61 151.6 124.6 187.0

98 64.3 51.0 76.4

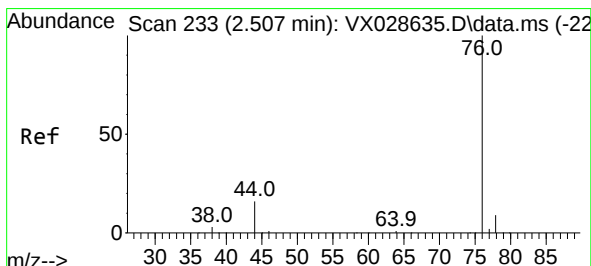
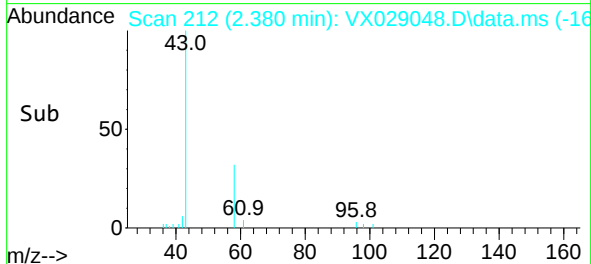
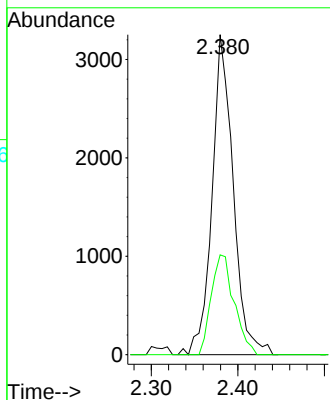
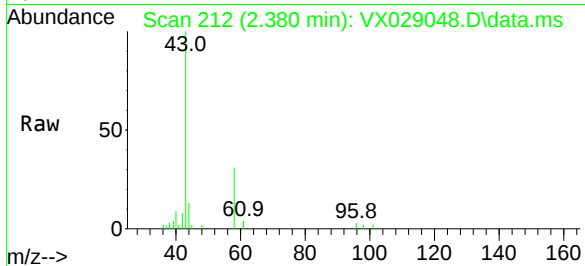




#16
Acetone
Concen: 2.720 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

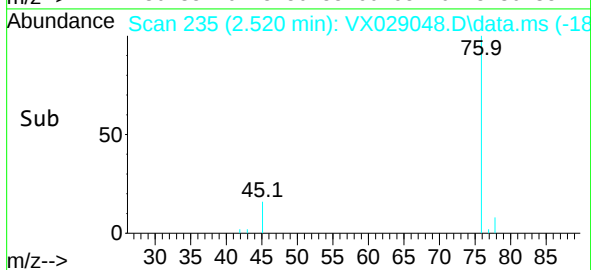
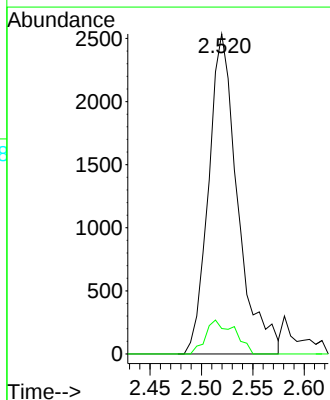
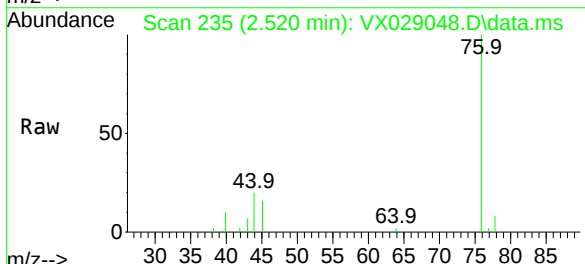
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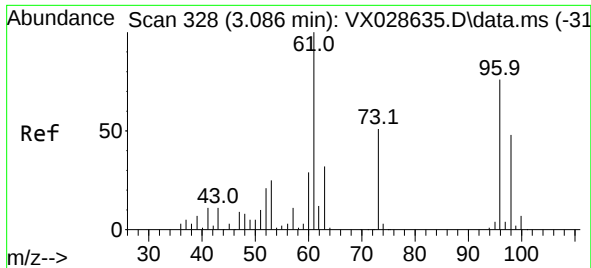
Tgt Ion: 43 Resp: 5515
Ion Ratio Lower Upper
43 100
58 31.2 28.8 43.2



#17
Carbon Disulfide
Concen: 0.539 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.013 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 76 Resp: 4984
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8

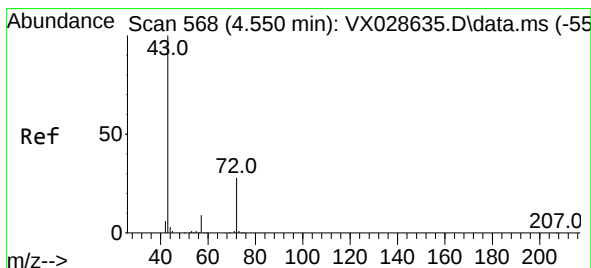
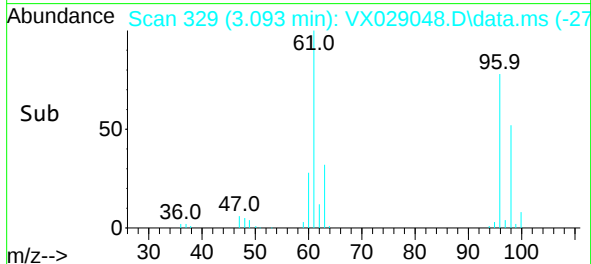
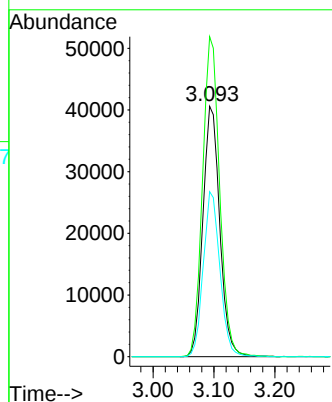
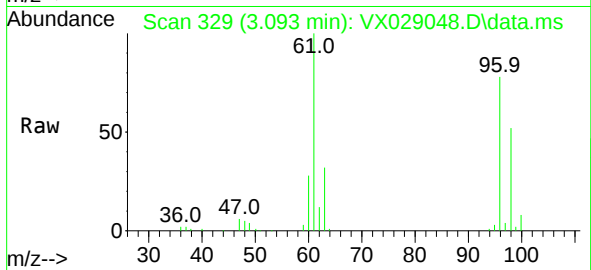




#21
trans-1,2-Dichloroethene
Concen: 19.459 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

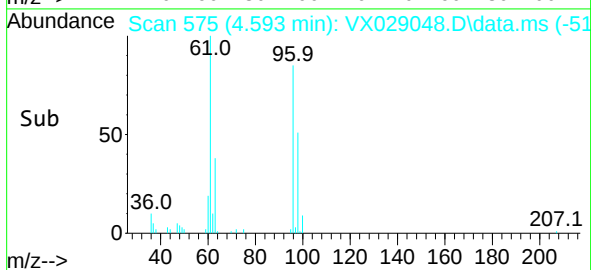
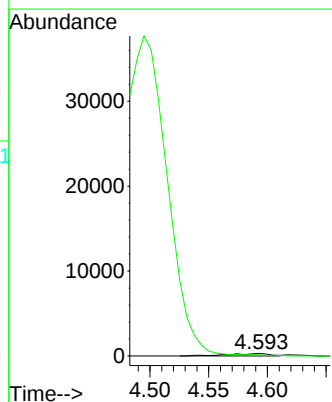
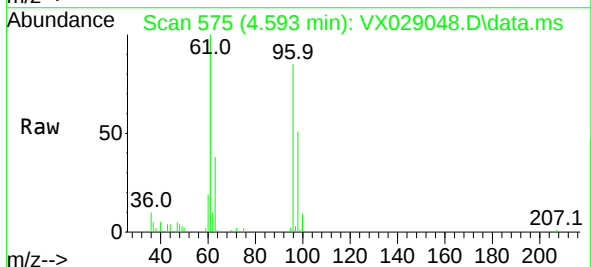
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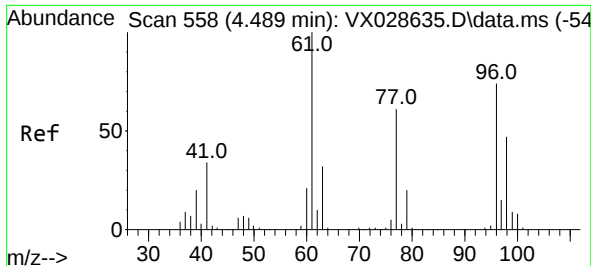
Tgt Ion: 96 Resp: 78190
Ion Ratio Lower Upper
96 100
61 127.8 105.4 158.2
98 65.9 50.0 75.0



#25
2-Butanone
Concen: 0.221 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.043 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
72 24.9 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 2526.279 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029048.D

Acq: 28 May 2022 01:43

Instrument :

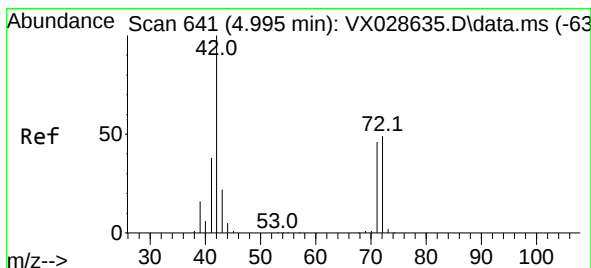
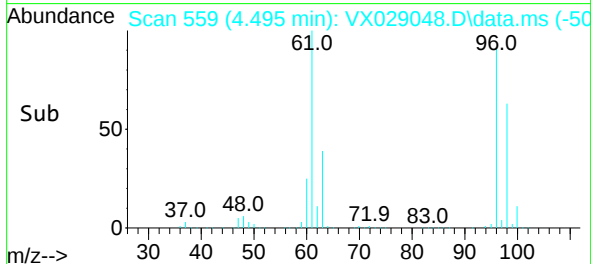
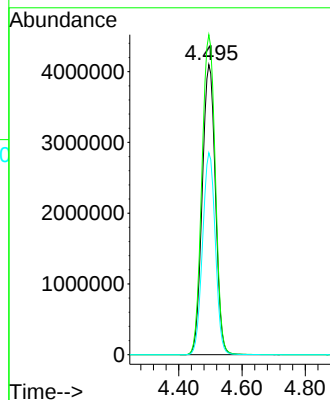
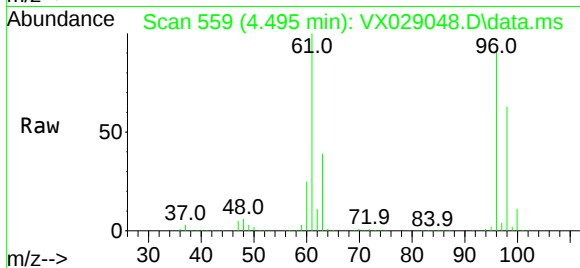
MSVOA_X

ClientSampleId :

25BR-20220525

Tgt Ion: 96 Resp:11855775

Ion	Ratio	Lower	Upper
96	100		
61	112.8	0.0	283.8
98	67.6	0.0	129.8



#29

Tetrahydrofuran

Concen: 4.703 ug/l

RT: 5.013 min Scan# 644

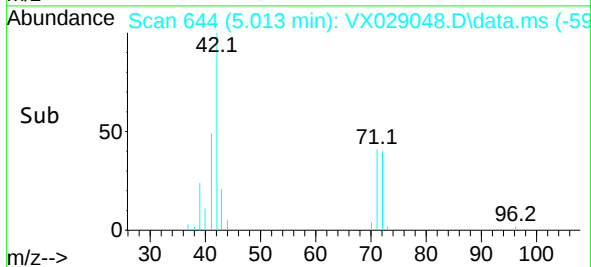
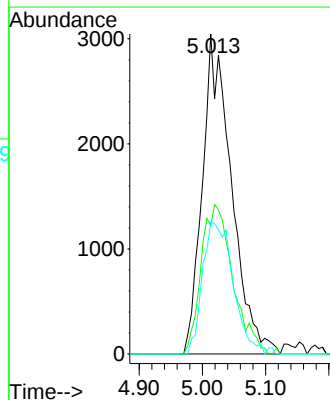
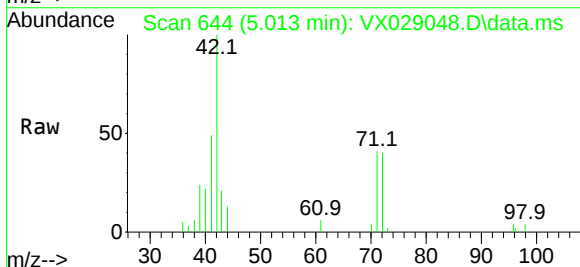
Delta R.T. 0.018 min

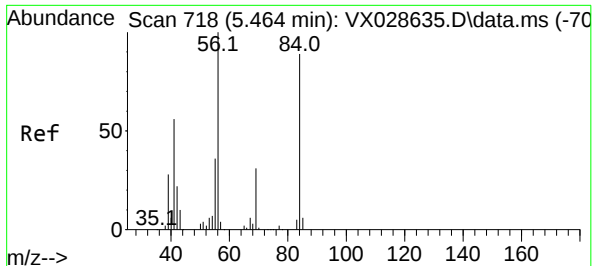
Lab File: VX029048.D

Acq: 28 May 2022 01:43

Tgt Ion: 42 Resp: 9731

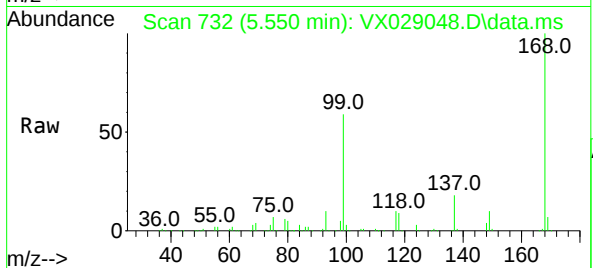
Ion	Ratio	Lower	Upper
42	100		
72	50.5	44.1	66.1
71	43.3	40.5	60.7



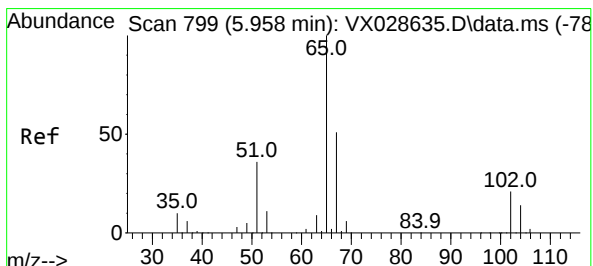
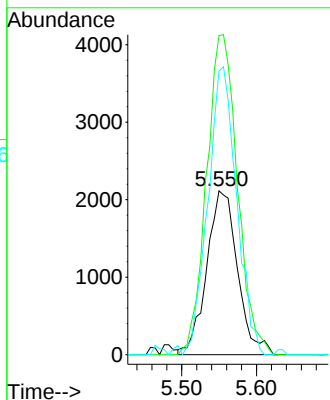
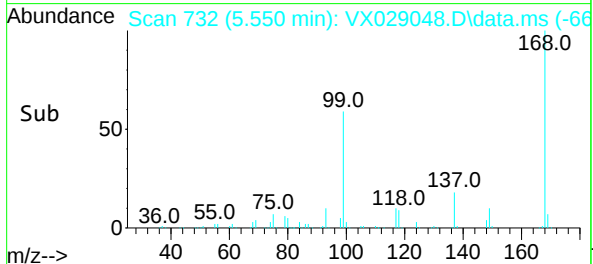


#31
Cyclohexane
Concen: 0.923 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

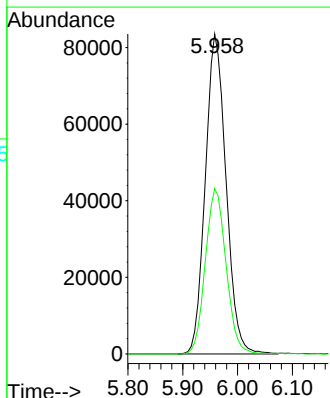
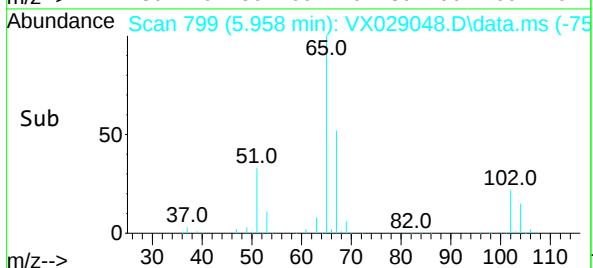
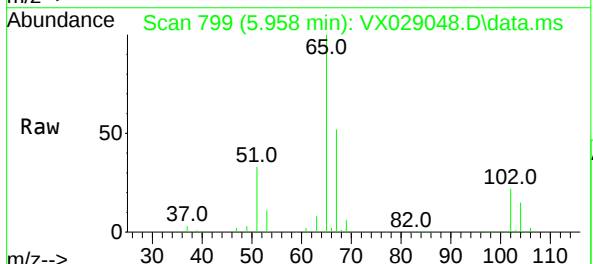


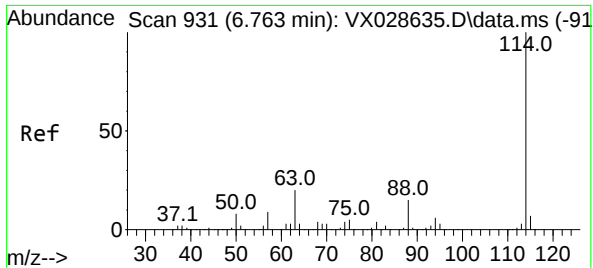
Tgt Ion: 56 Resp: 6051
Ion Ratio Lower Upper
56 100
69 194.8 26.7 40.1#
84 176.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.318 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 65 Resp: 218843
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

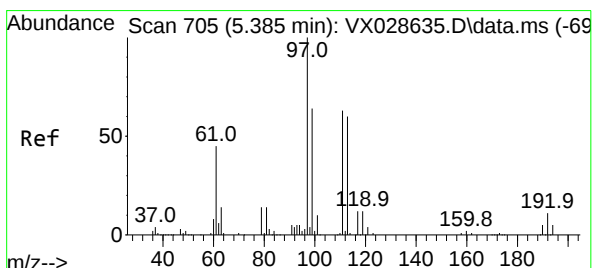
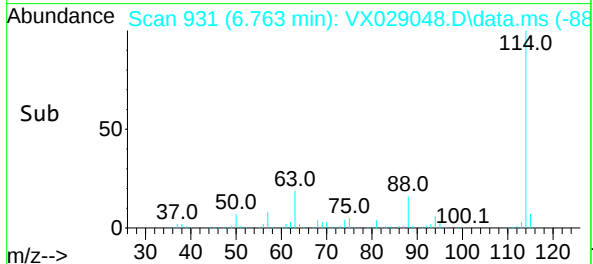
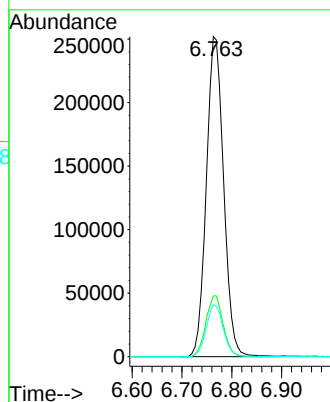
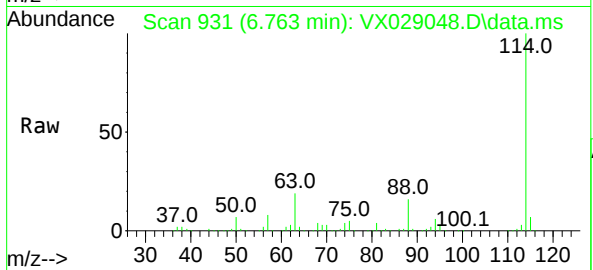




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

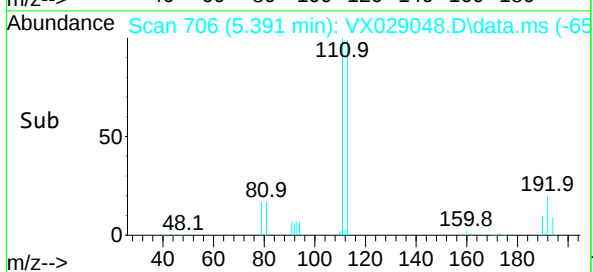
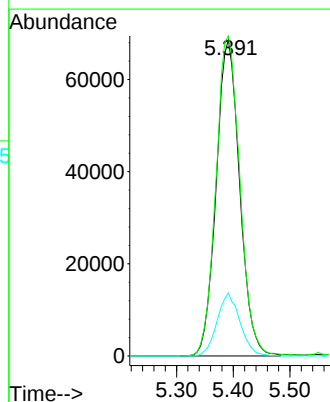
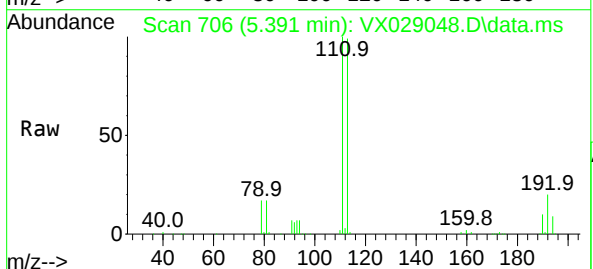
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

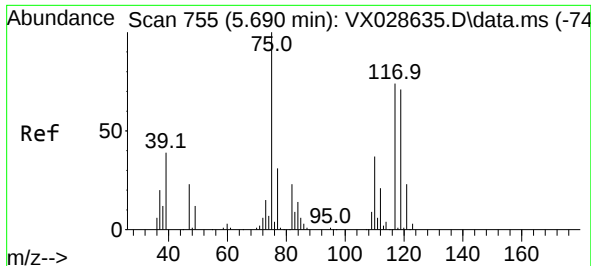
Tgt Ion:114 Resp: 606048
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.667 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion:113 Resp: 197216
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 19.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX029048.D

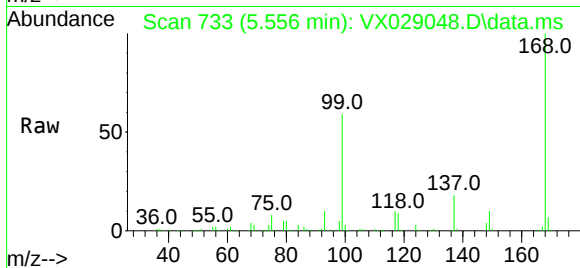
Acq: 28 May 2022 01:43

Instrument :

MSVOA_X

ClientSampleId :

25BR-20220525



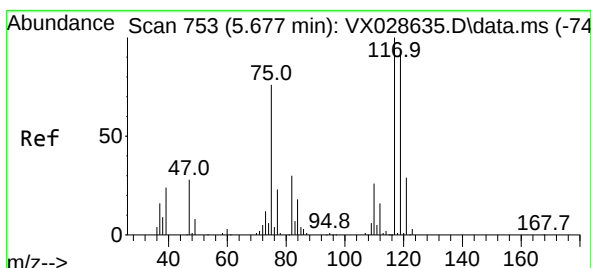
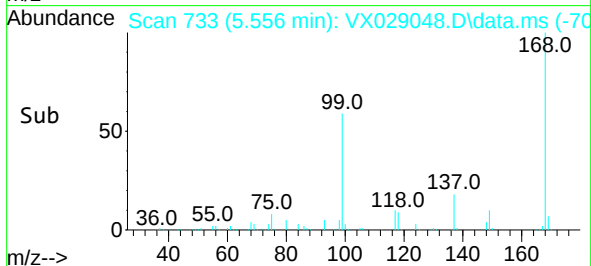
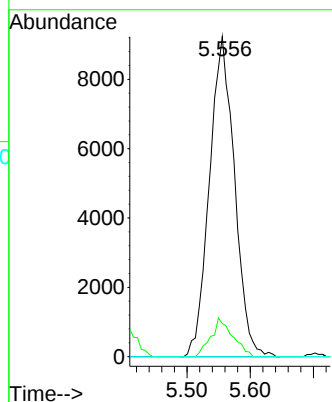
Tgt Ion: 75 Resp: 25443

Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.714 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX029048.D

Acq: 28 May 2022 01:43

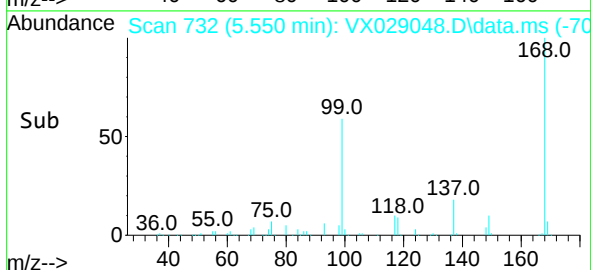
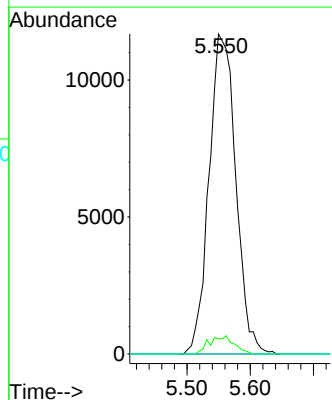
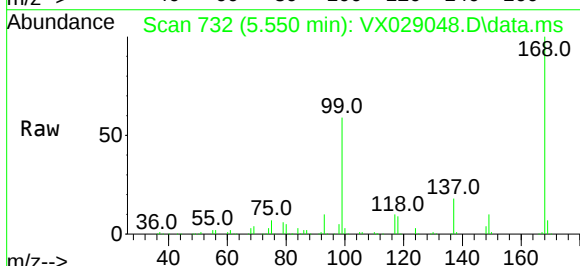
Tgt Ion: 117 Resp: 34293

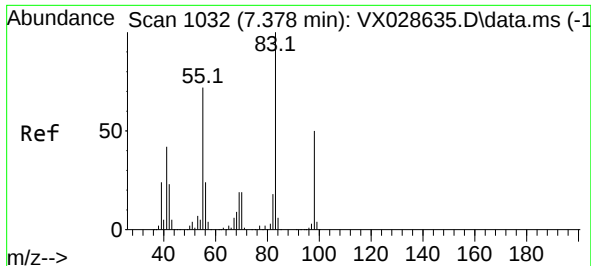
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

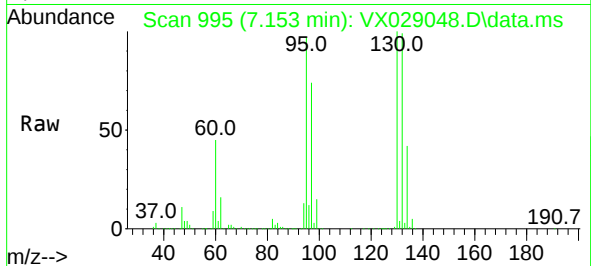
121 0.0 24.2 36.2#



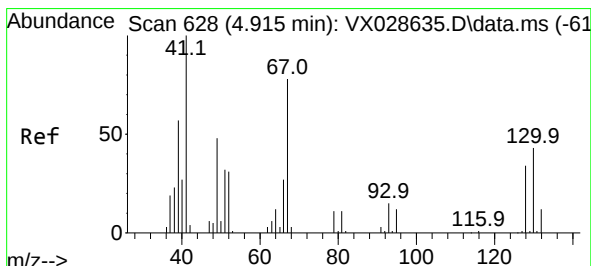
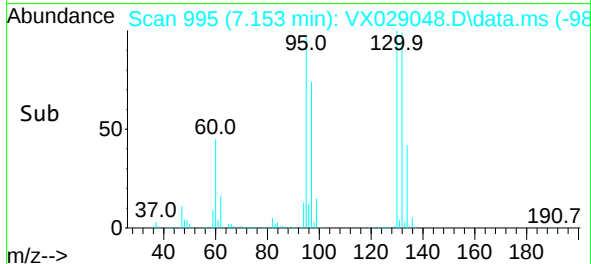
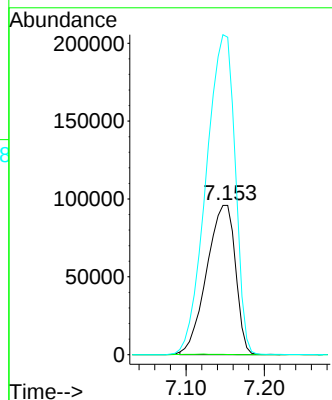


#39
Methylcyclohexane
Concen: 35.789 ug/l
RT: 7.153 min Scan# 91
Delta R.T. -0.225 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

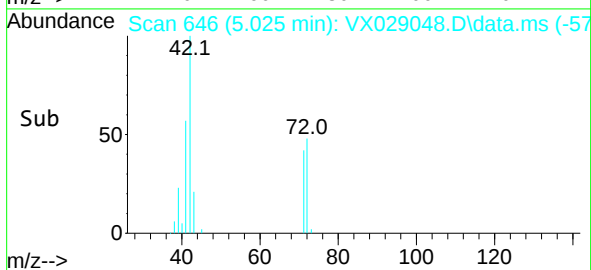
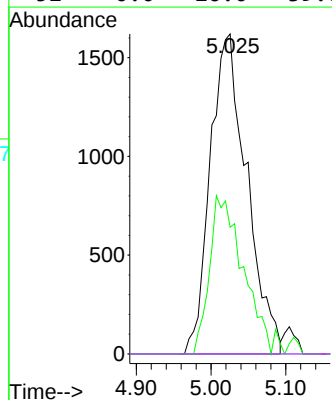
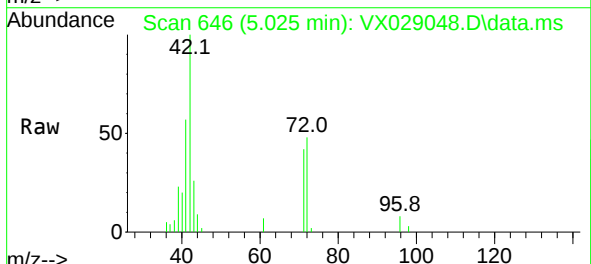


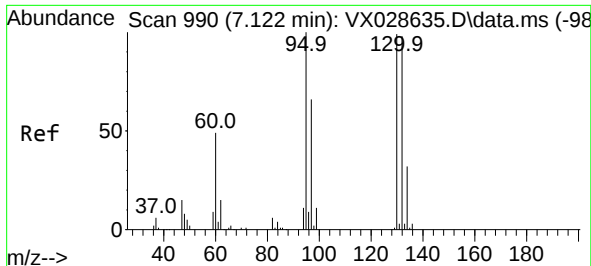
Tgt Ion: 83 Resp: 244779
Ion Ratio Lower Upper
83 100
55 0.1 54.6 81.8#
98 212.4 37.4 56.2#



#41
Methacrylonitrile
Concen: 1.650 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 41 Resp: 5510
Ion Ratio Lower Upper
41 100
39 45.1 43.0 64.4
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

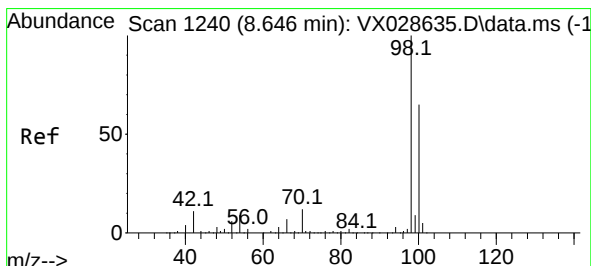
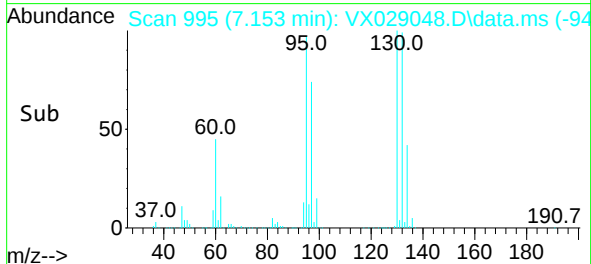
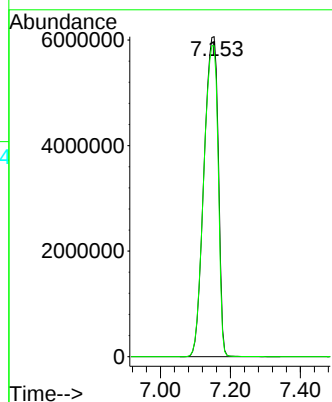
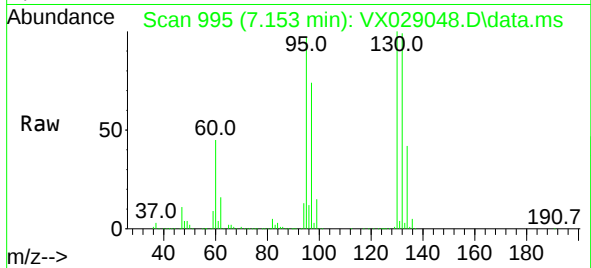




#44
Trichloroethene
Concen: 3701.882 ug/l
RT: 7.153 min Scan# 91
Delta R.T. 0.031 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

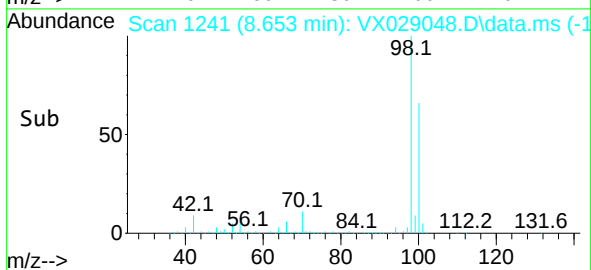
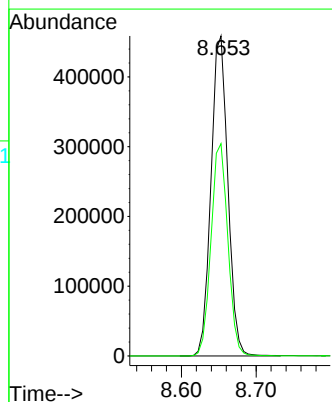
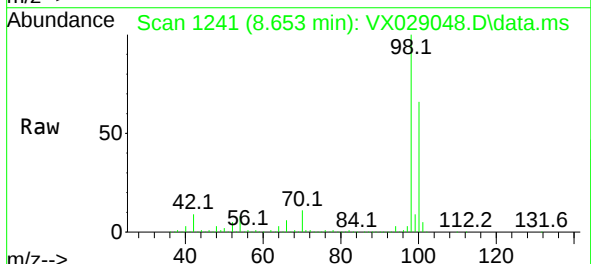
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

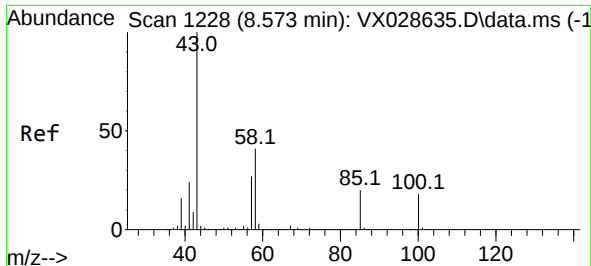
Tgt Ion:130 Resp:17208497
Ion Ratio Lower Upper
130 100
95 97.1 0.0 188.8



#50
Toluene-d8
Concen: 48.112 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 98 Resp: 720261
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.423 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX029048.D

Acq: 28 May 2022 01:43

Instrument :

MSVOA_X

ClientSampleId :

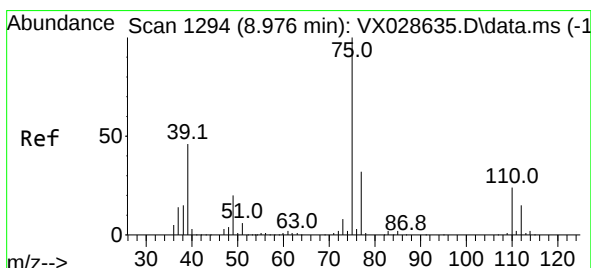
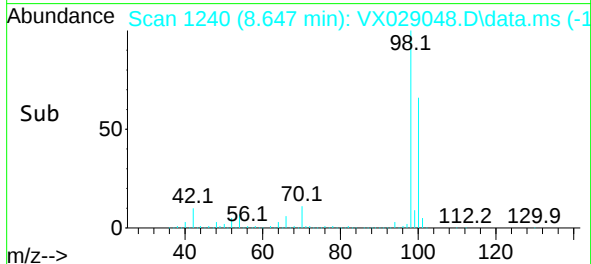
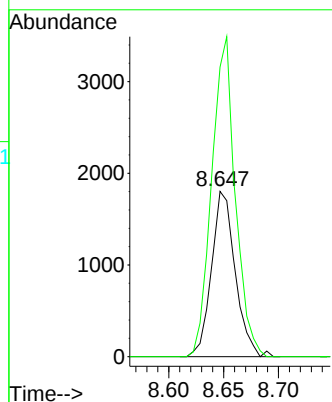
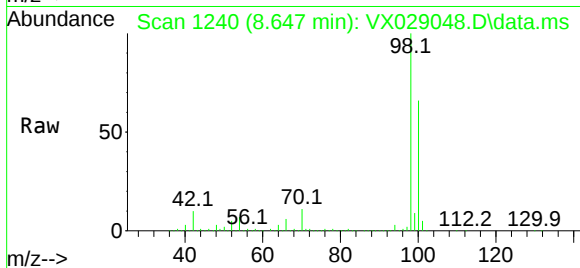
25BR-20220525

Tgt Ion: 43 Resp: 2717

Ion Ratio Lower Upper

43 100

58 191.8 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.643 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.018 min

Lab File: VX029048.D

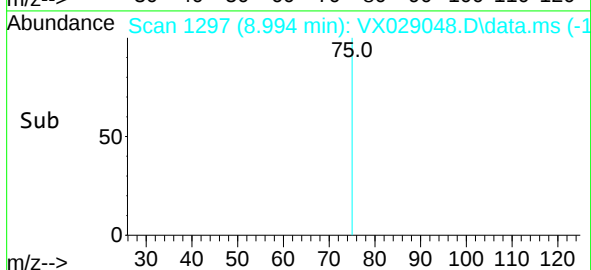
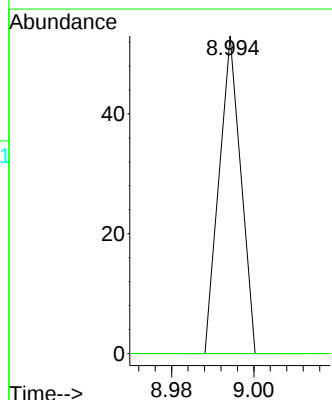
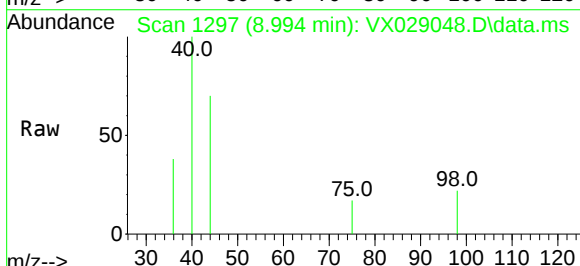
Acq: 28 May 2022 01:43

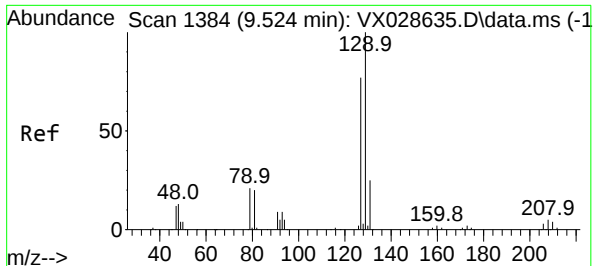
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

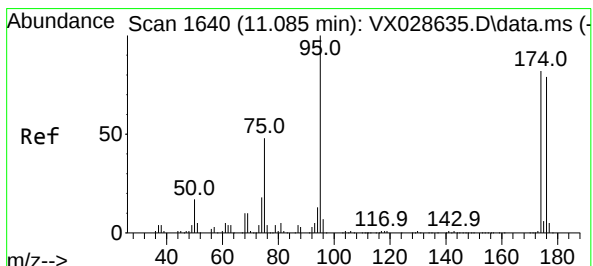
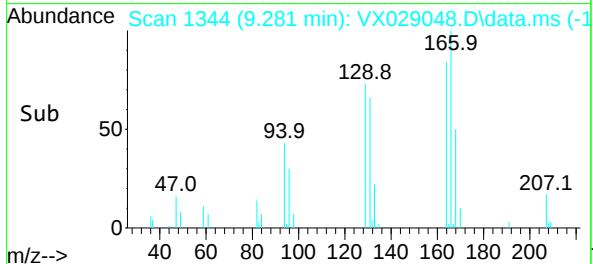
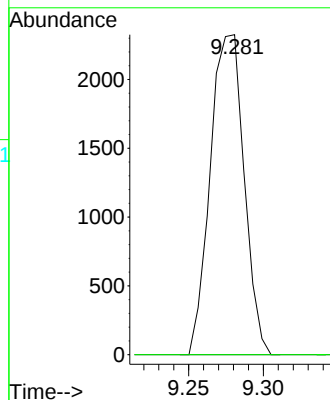
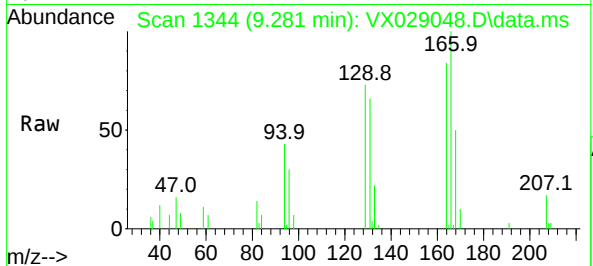




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.243 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

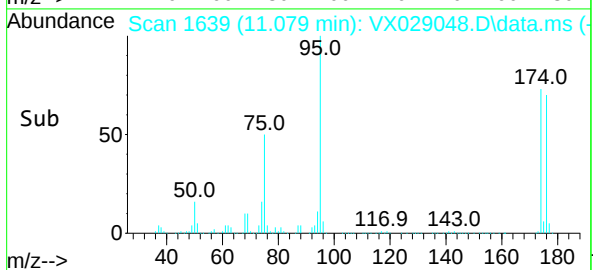
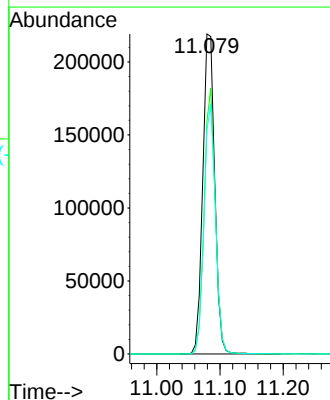
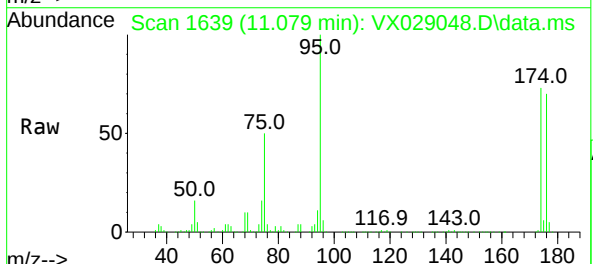
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

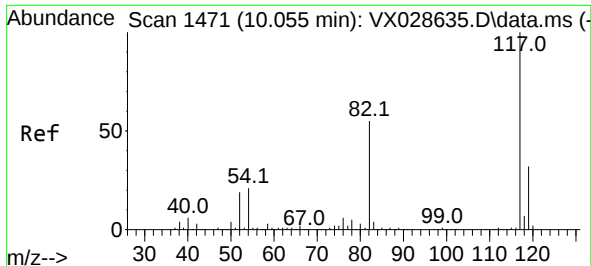
Tgt Ion:129 Resp: 3660
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 51.621 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 95 Resp: 288640
Ion Ratio Lower Upper
95 100
174 78.0 0.0 163.0
176 74.9 0.0 155.0

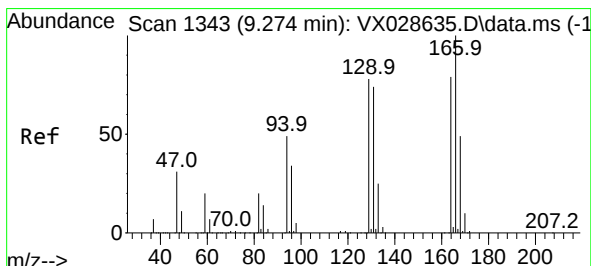
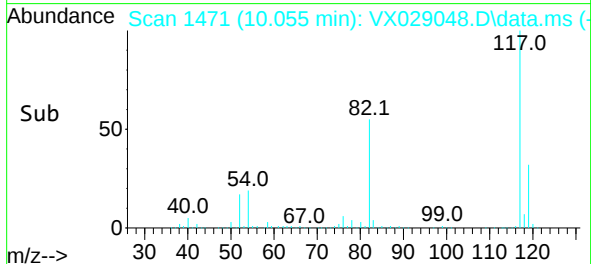
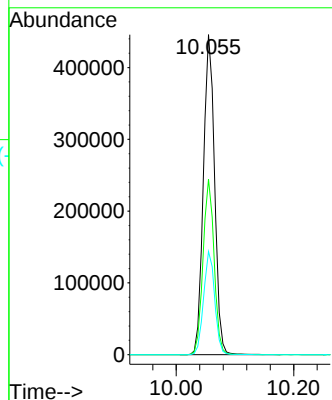
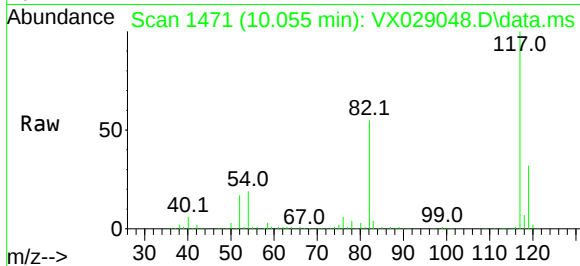




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

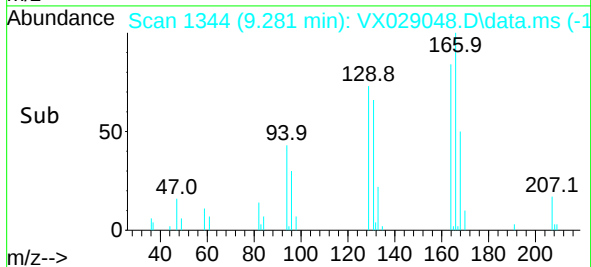
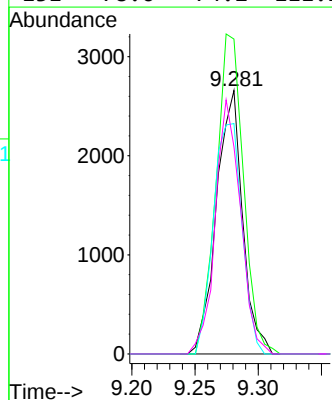
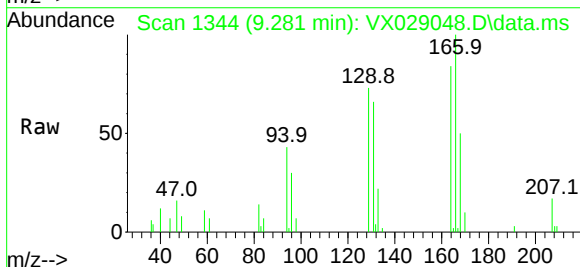
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

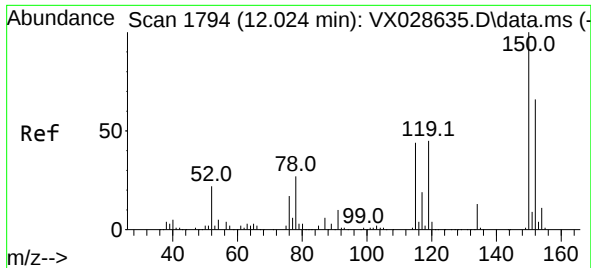
Tgt Ion:117 Resp: 589663
Ion Ratio Lower Upper
117 100
82 54.8 41.8 62.8
119 32.3 24.8 37.2



#64
Tetrachloroethene
Concen: 0.859 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.007 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion:164 Resp: 3823
Ion Ratio Lower Upper
164 100
166 119.5 101.2 151.8
129 87.4 73.0 109.4
131 78.6 74.2 111.2

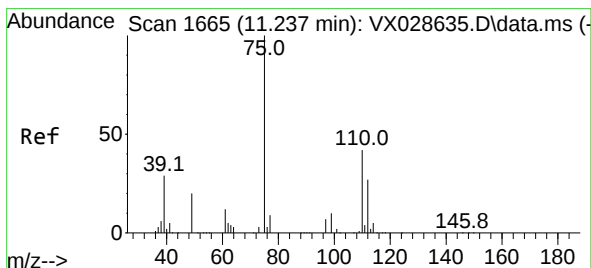
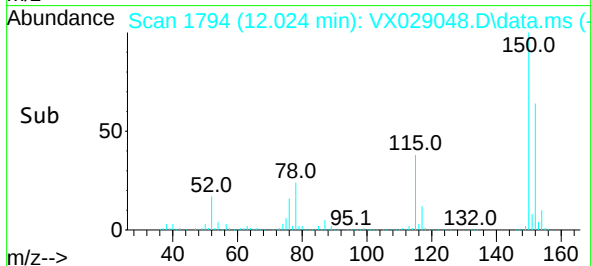
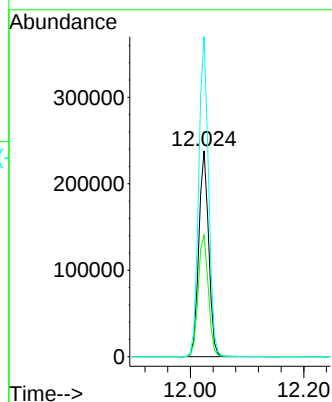
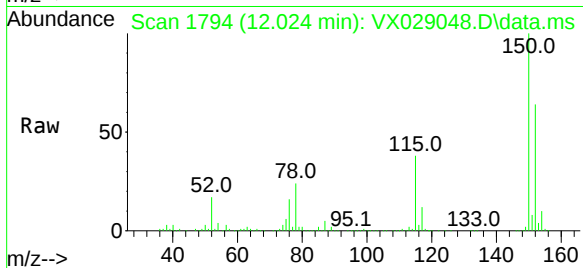




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

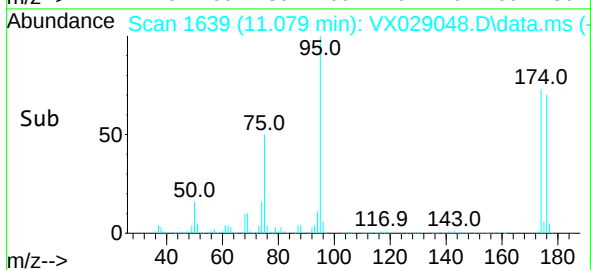
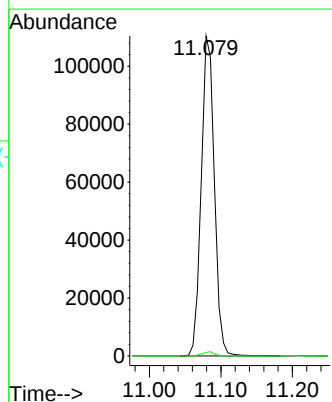
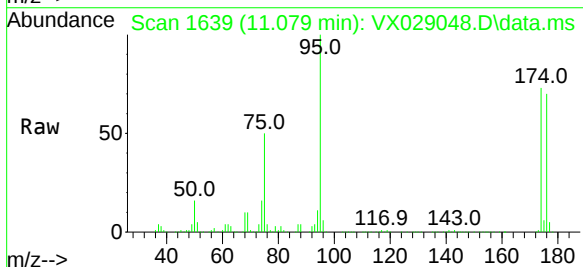
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

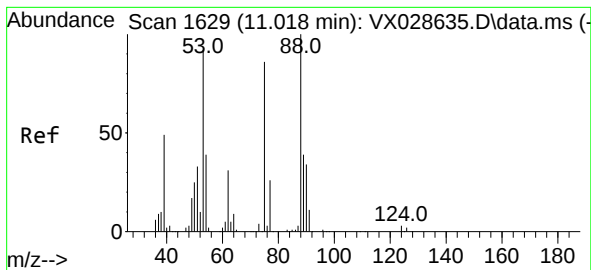
Tgt Ion:152 Resp: 287363
Ion Ratio Lower Upper
152 100
115 60.8 37.5 112.7
150 155.8 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 20.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029048.D
Acq: 28 May 2022 01:43

Tgt Ion: 75 Resp: 140775
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.444 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029048.D
 Acq: 28 May 2022 01:43

Instrument :
 MSVOA_X
 ClientSampleId :
 25BR-20220525

Tgt Ion: 75 Resp: 140775
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

