

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037345.D
 Acq On : 29 Aug 2023 16:28
 Operator : JC/MD
 Sample : 04208-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-03-127-082823-H

Quant Time: Aug 30 02:07:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

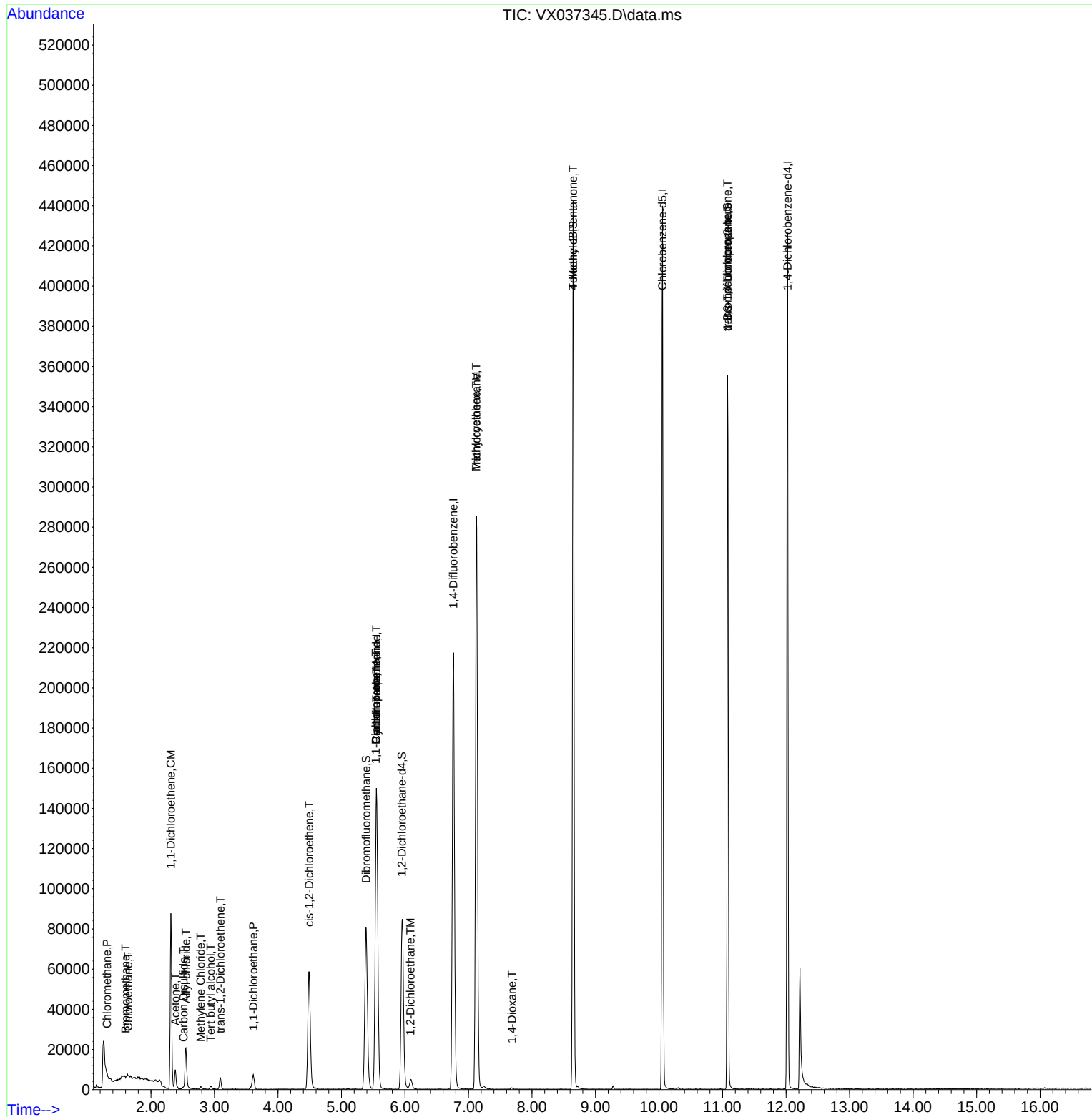
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	141567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231579	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86895	42.576	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.160%
35) Dibromofluoromethane	5.385	113	71052	46.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.660%
50) Toluene-d8	8.647	98	271159	48.741	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.480%
62) 4-Bromofluorobenzene	11.079	95	99777	45.638	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.280%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	699	0.486	ug/l #	85
5) Bromomethane	1.599	94	197	0.253	ug/l #	3
6) Chloroethane	1.642	64	3844	4.171	ug/l #	50
11) Tert butyl alcohol	2.940	59	1077	2.250	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	29704	20.383	ug/l	86
14) Allyl chloride	2.550	41	2024	0.897	ug/l #	63
16) Acetone	2.386	43	10400	13.025	ug/l #	86
17) Carbon Disulfide	2.514	76	1448	0.391	ug/l #	93
20) Methylene Chloride	2.782	84	781	0.437	ug/l #	72
21) trans-1,2-Dichloroethene	3.093	96	2617	1.580	ug/l #	81
24) 1,1-Dichloroethane	3.611	63	8218	2.831	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	39145	20.044	ug/l	80
31) Cyclohexane	5.550	56	2621	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10874	4.990	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14806	6.255	ug/l #	15
39) Methylcyclohexane	7.123	83	1264	0.552	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	5847	2.386	ug/l	99
44) Trichloroethene	7.123	130	114066	64.371	ug/l	98
49) 1,4-Dioxane	7.684	88	746	16.073	ug/l #	73
51) 4-Methyl-2-Pentanone	8.647	43	1038	0.484	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	48714	24.742	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48714	69.106	ug/l #	5

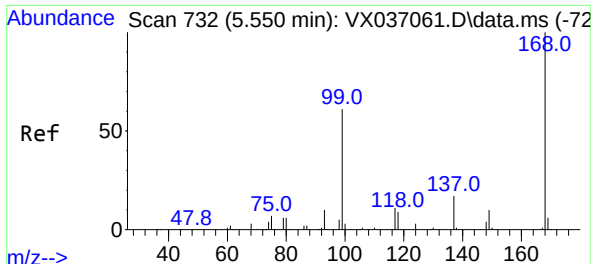
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

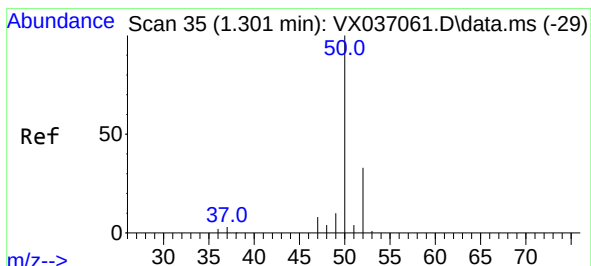
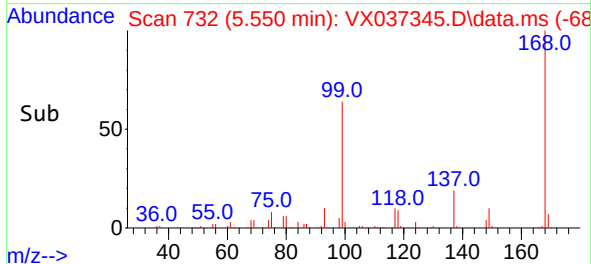
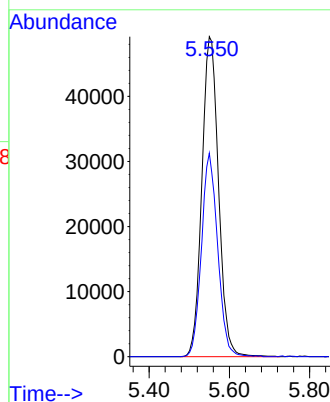
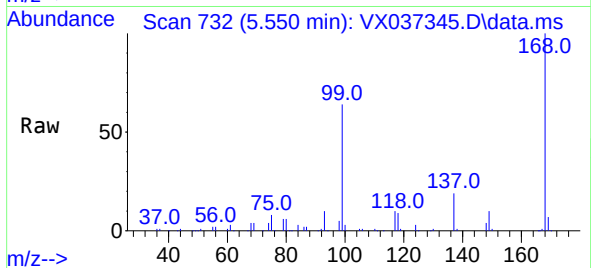




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

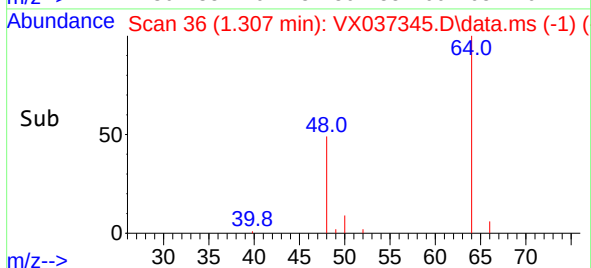
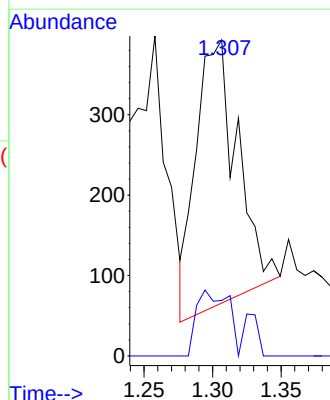
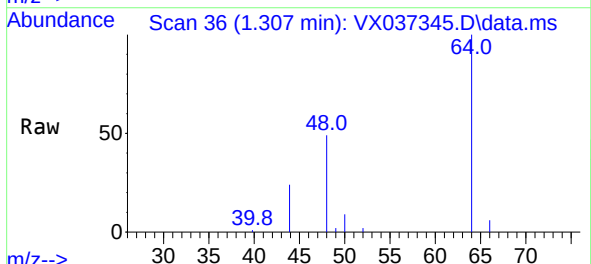
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

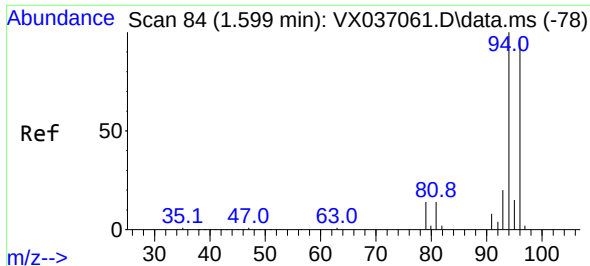
Tgt Ion:168 Resp: 141567
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0



#3
Chloromethane
Concen: 0.486 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 50 Resp: 699
Ion Ratio Lower Upper
50 100
52 23.5 25.5 38.3#

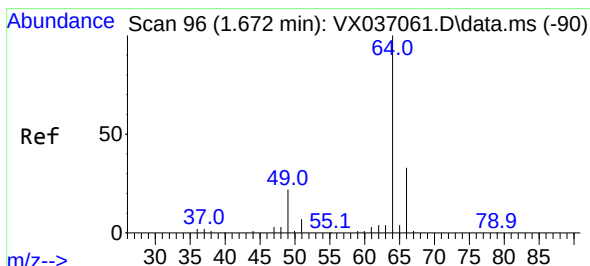
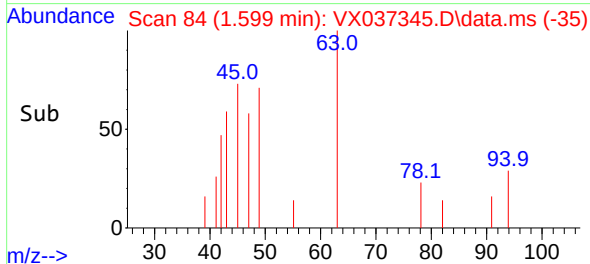
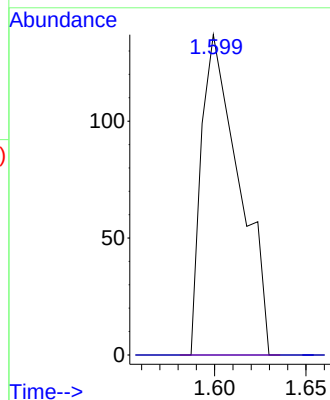
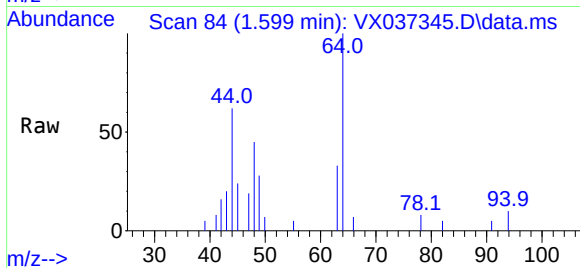




#5
Bromomethane
Concen: 0.253 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

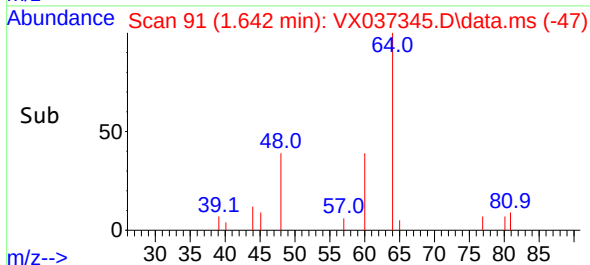
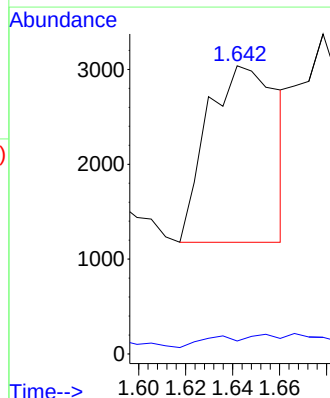
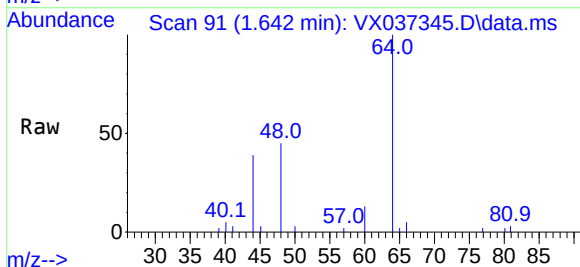
Instrument :
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ClientSampleId :
BR-03-127-082823-H

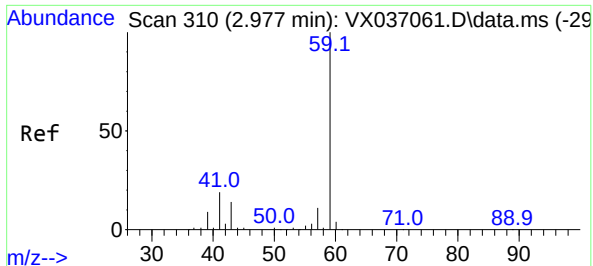
Tgt Ion: 94 Resp: 197
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: 4.171 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.030 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 64 Resp: 3844
Ion Ratio Lower Upper
64 100
66 3.7 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.250 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.037 min

Lab File: VX037345.D

Acq: 29 Aug 2023 16:28

Instrument :

MSVOA_X

ClientSampleId :

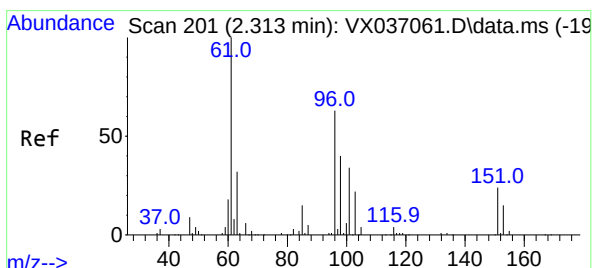
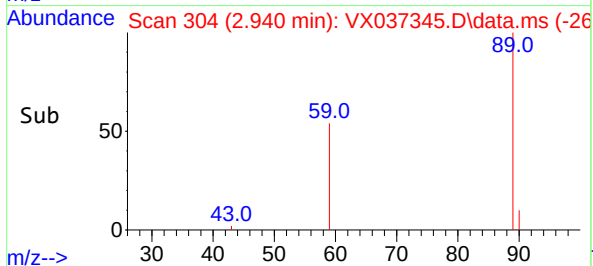
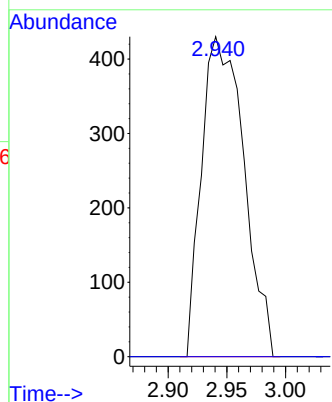
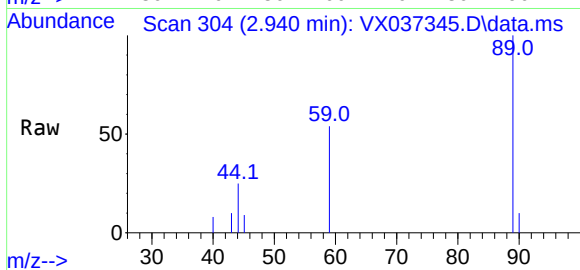
BR-03-127-082823-H

Tgt Ion: 59 Resp: 1077

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 20.383 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX037345.D

Acq: 29 Aug 2023 16:28

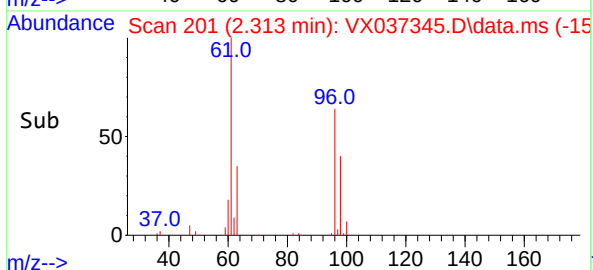
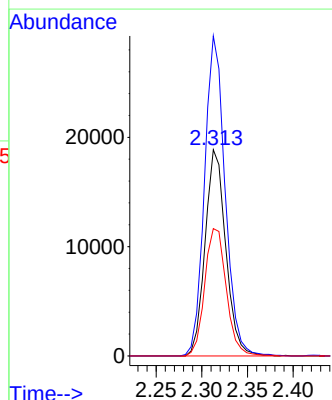
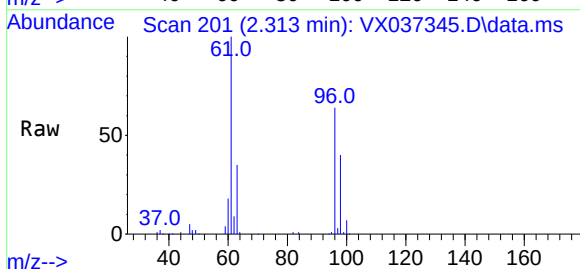
Tgt Ion: 96 Resp: 29704

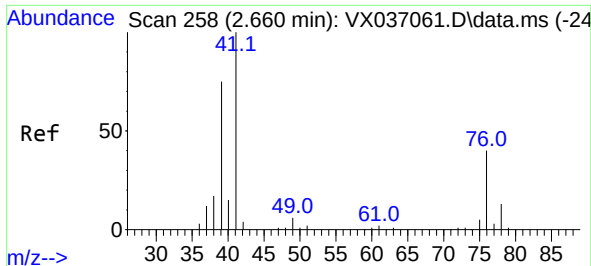
Ion Ratio Lower Upper

96 100

61 155.1 144.6 216.8

98 61.7 50.4 75.6

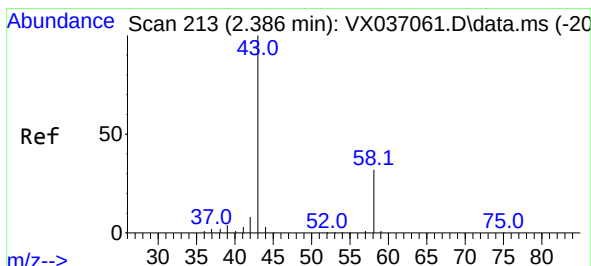
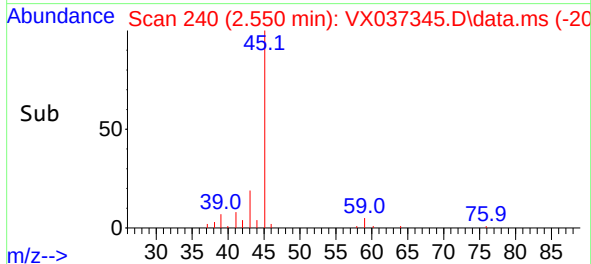
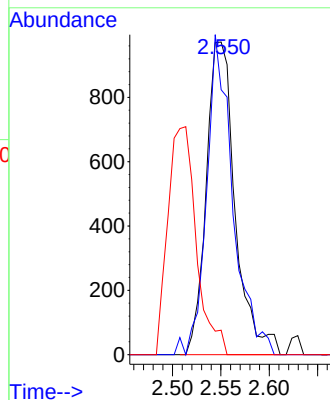
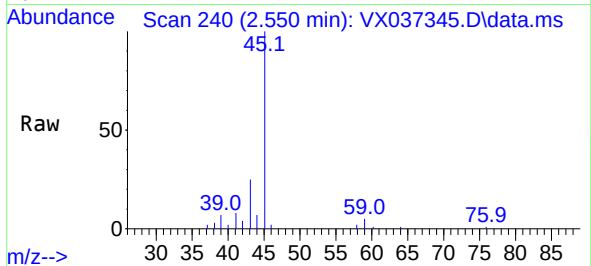




#14
Allyl chloride
Concen: 0.897 ug/l
RT: 2.550 min Scan# 24
Delta R.T. -0.110 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

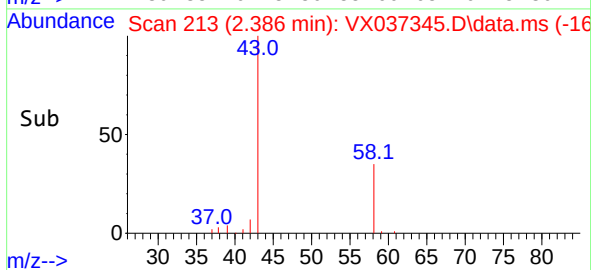
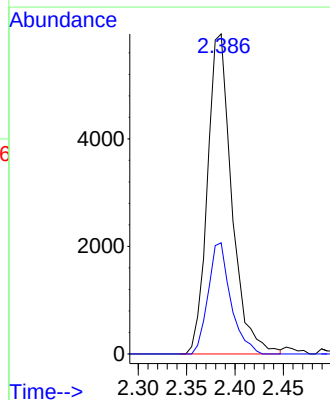
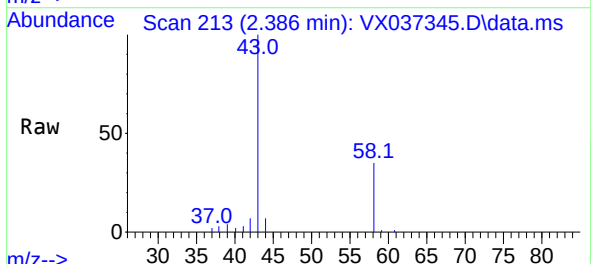
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

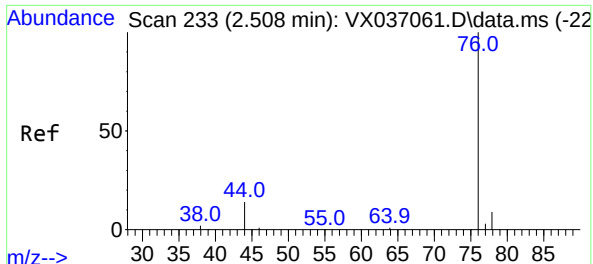
Tgt Ion:	41	Resp:	2024
Ion	Ratio	Lower	Upper
41	100		
39	92.8	55.8	83.6#
76	0.0	24.3	36.5#



#16
Acetone
Concen: 13.025 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion:	43	Resp:	10400
Ion	Ratio	Lower	Upper
43	100		
58	34.7	21.9	32.9#

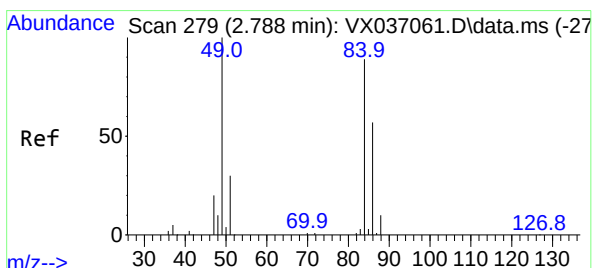
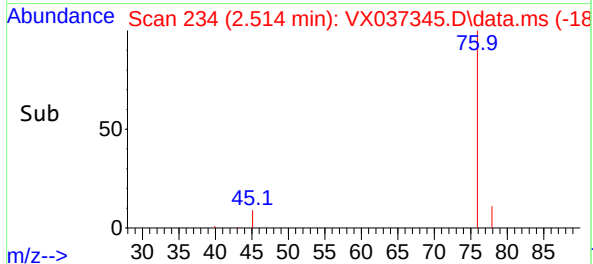
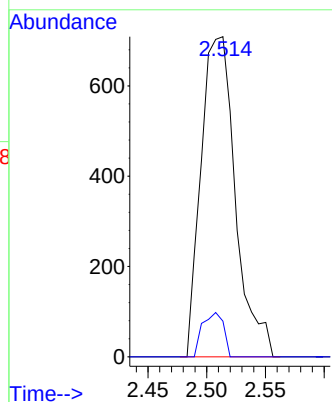
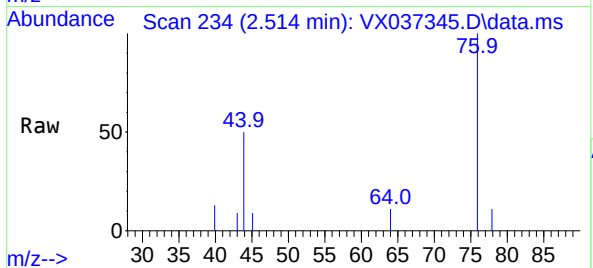




#17
Carbon Disulfide
Concen: 0.391 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

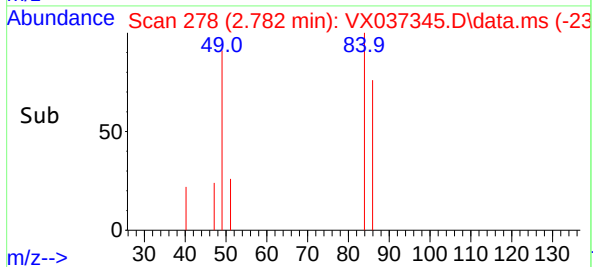
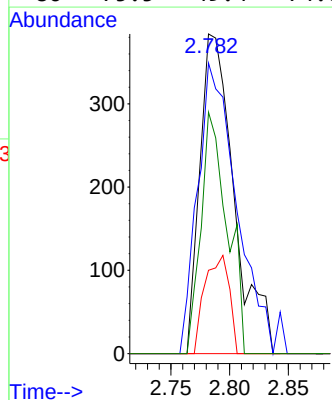
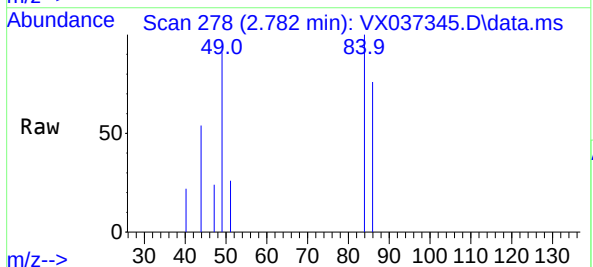
Instrument :
MSVOA_X
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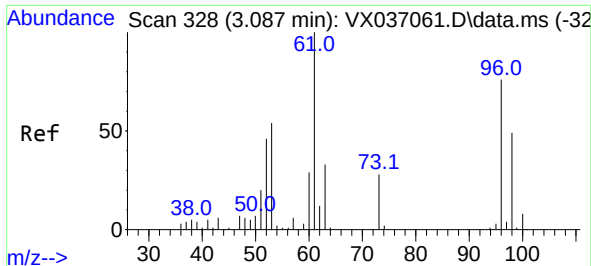
Tgt Ion: 76 Resp: 1448
Ion Ratio Lower Upper
76 100
78 11.1 7.0 10.6#



#20
Methylene Chloride
Concen: 0.437 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 84 Resp: 781
Ion Ratio Lower Upper
84 100
49 90.9 103.6 155.4#
51 26.0 33.8 50.6#
86 75.5 49.4 74.0#

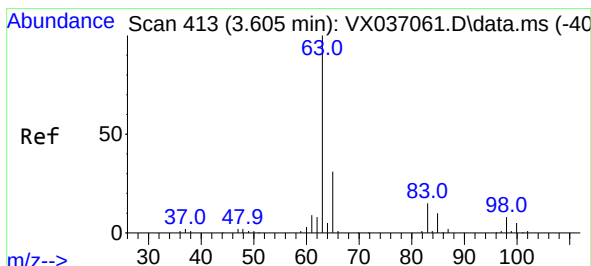
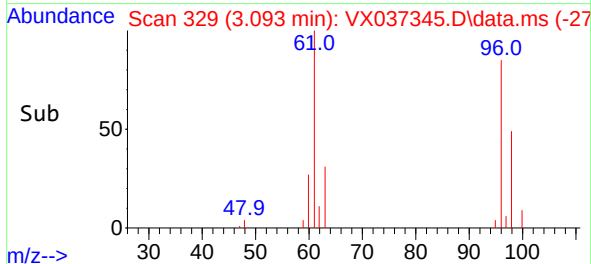
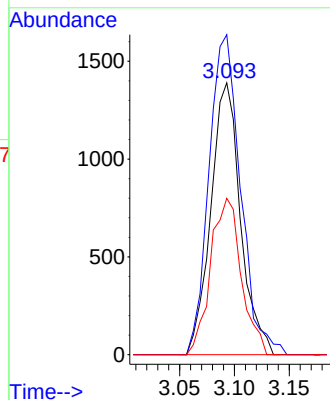
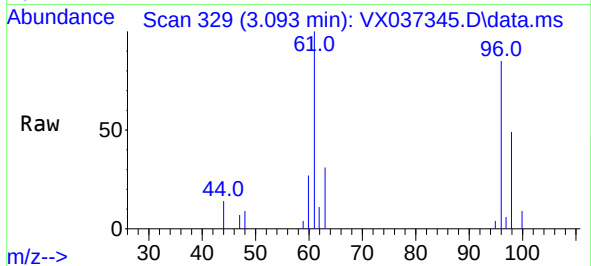




#21
trans-1,2-Dichloroethene
Concen: 1.580 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

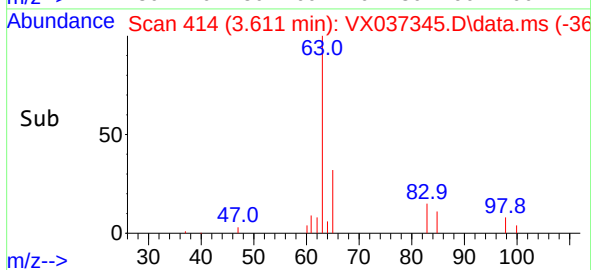
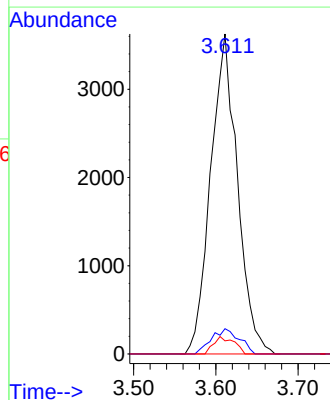
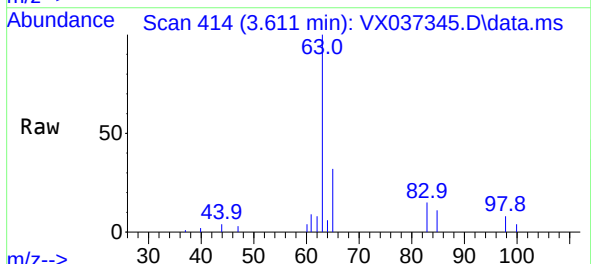
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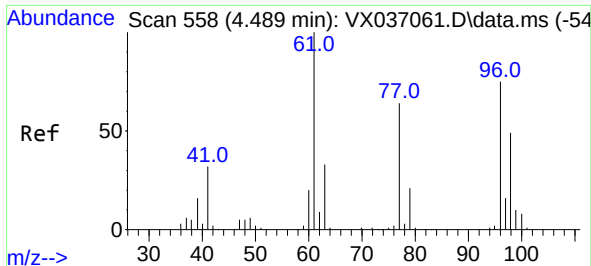
Tgt Ion: 96 Resp: 2617
Ion Ratio Lower Upper
96 100
61 117.7 119.2 178.8#
98 57.5 48.7 73.1



#24
1,1-Dichloroethane
Concen: 2.831 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 63 Resp: 8218
Ion Ratio Lower Upper
63 100
98 7.9 3.3 9.8
100 4.1 2.1 6.5

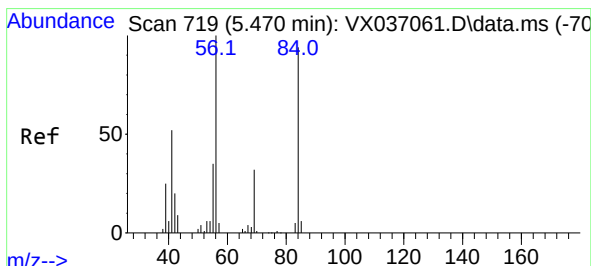
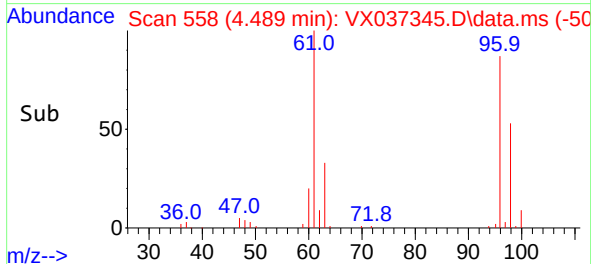
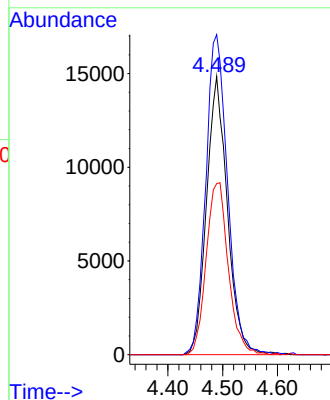
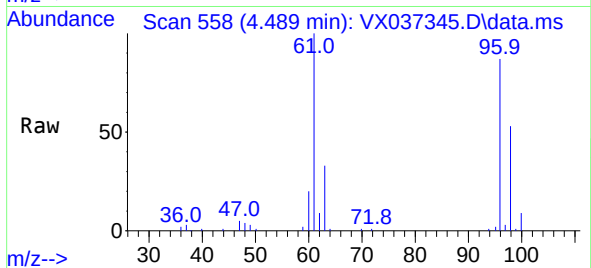




#27
cis-1,2-Dichloroethene
Concen: 20.044 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

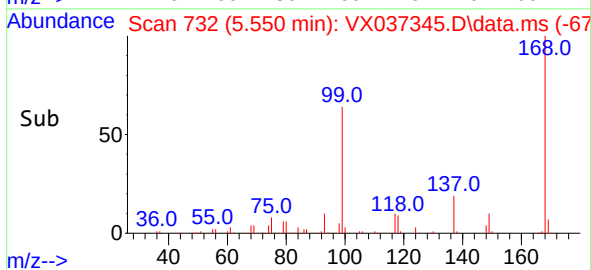
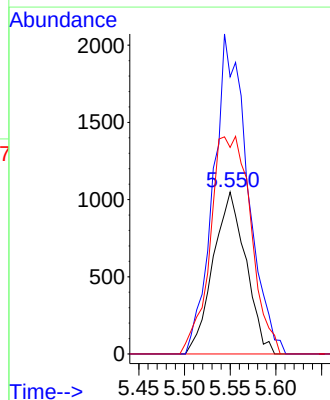
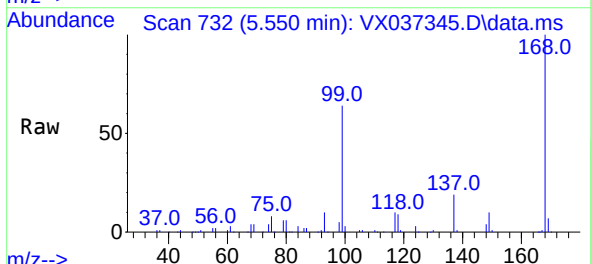
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

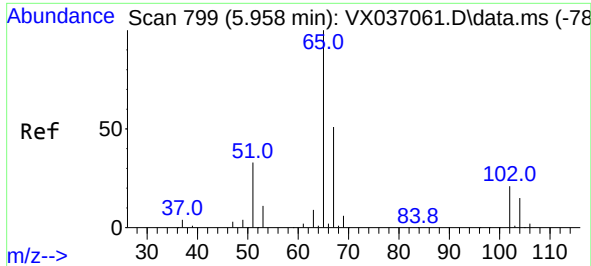
Tgt Ion: 96	Resp: 39145
Ion Ratio	Lower Upper
96 100	
61 120.3	0.0 312.2
98 65.6	0.0 129.0



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 56	Resp: 2621
Ion Ratio	Lower Upper
56 100	
69 171.1	23.4 35.2#
84 127.6	65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.576 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037345.D

Acq: 29 Aug 2023 16:28

Instrument :

MSVOA_X

ClientSampleId :

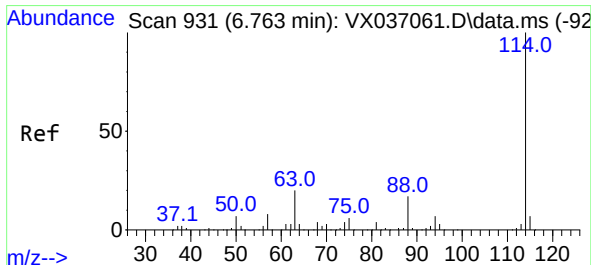
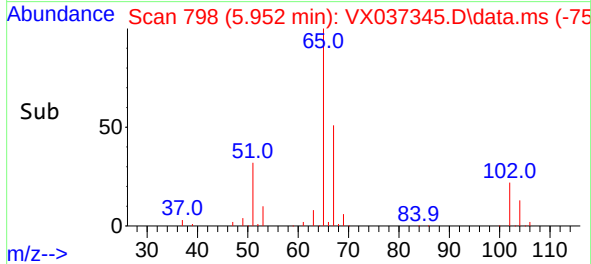
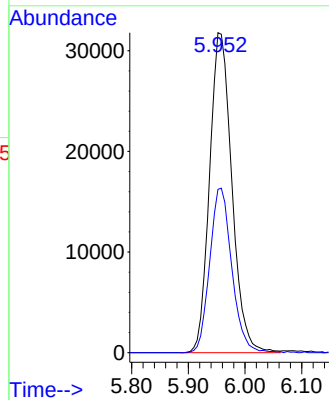
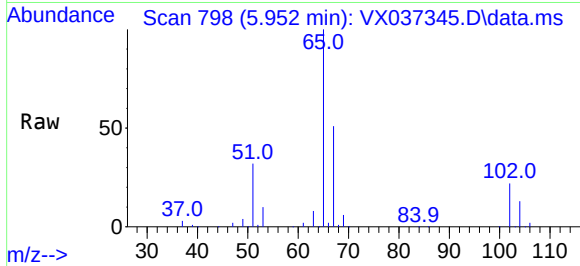
BR-03-127-082823-H

Tgt Ion: 65 Resp: 86895

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037345.D

Acq: 29 Aug 2023 16:28

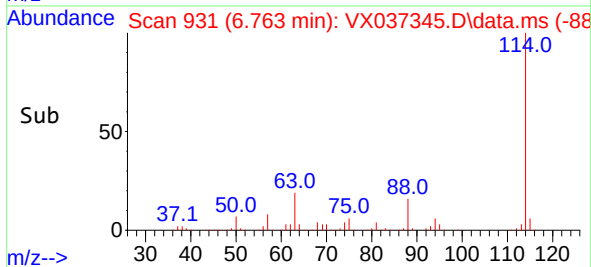
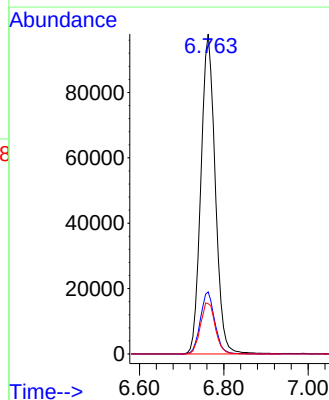
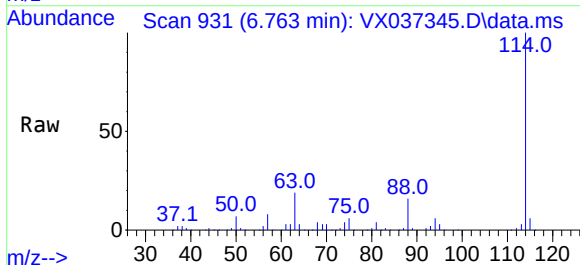
Tgt Ion: 114 Resp: 231579

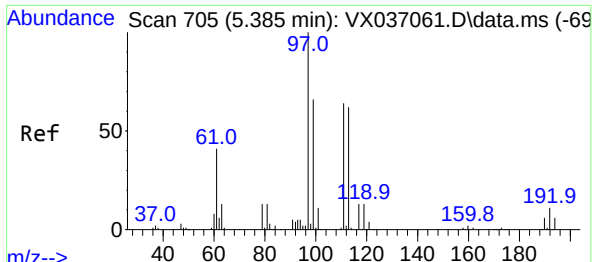
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

88 15.7 0.0 36.6

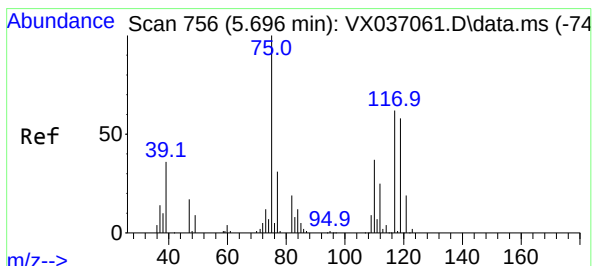
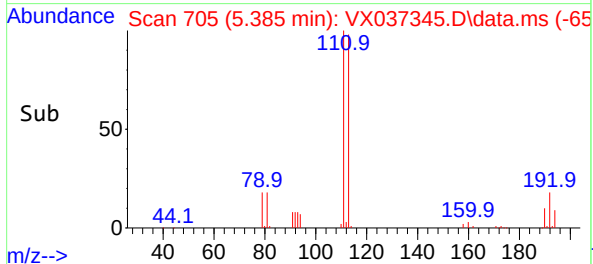
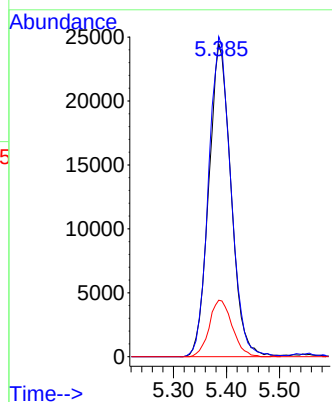
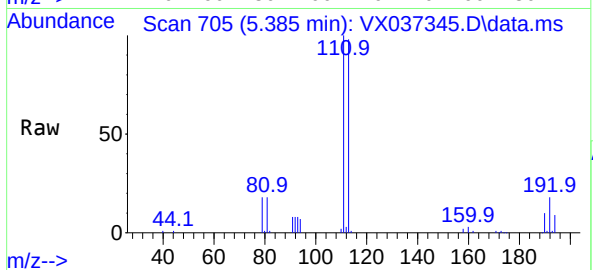




#35
Dibromofluoromethane
Concen: 46.327 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

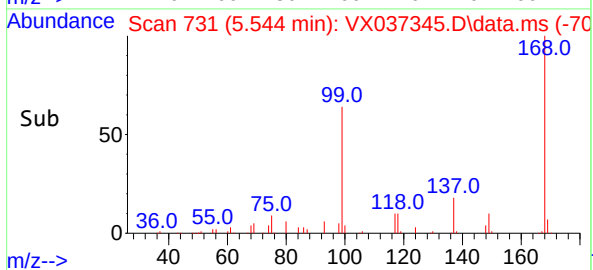
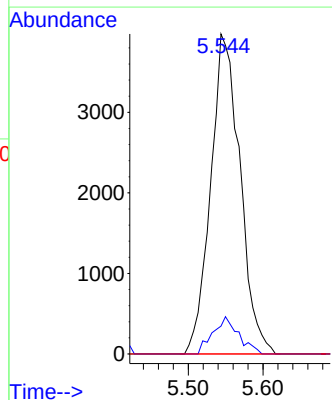
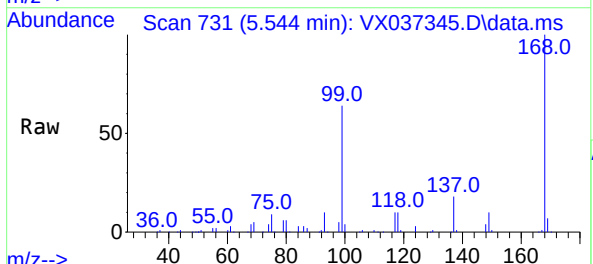
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

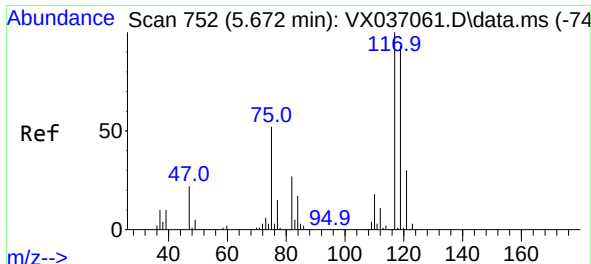
Tgt Ion:	113	Resp:	71052
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	18.7	13.3	19.9



#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

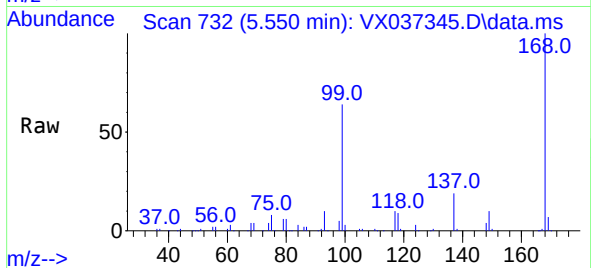
Tgt Ion:	75	Resp:	10874
Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.0	50.9#
77	0.0	24.7	37.1#



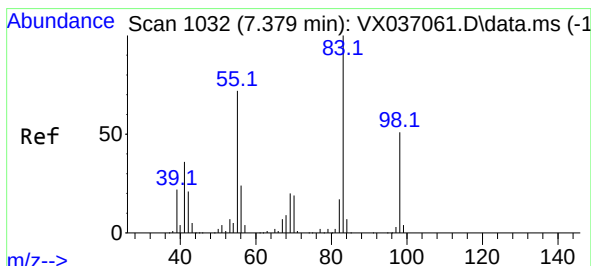
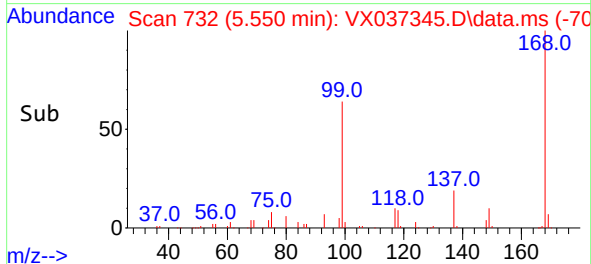
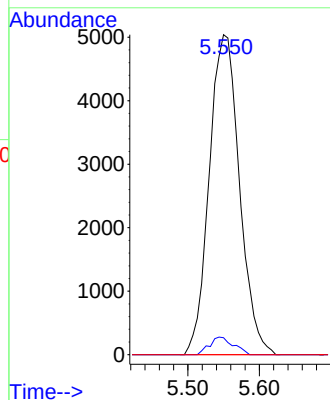


#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

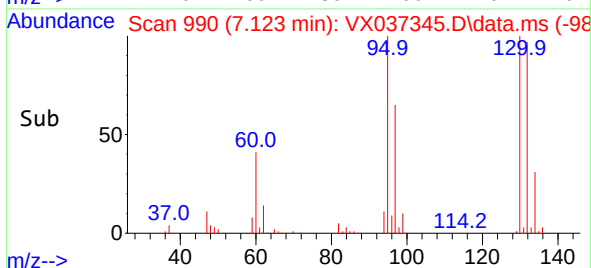
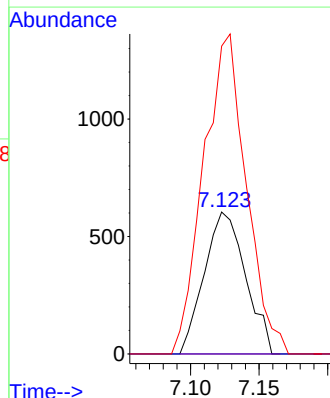
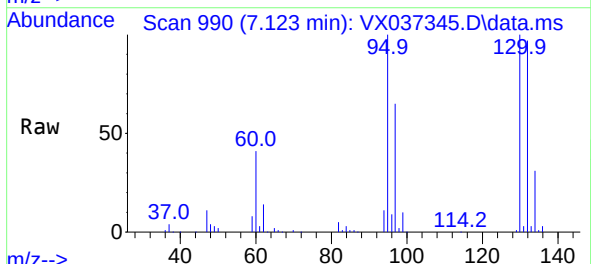


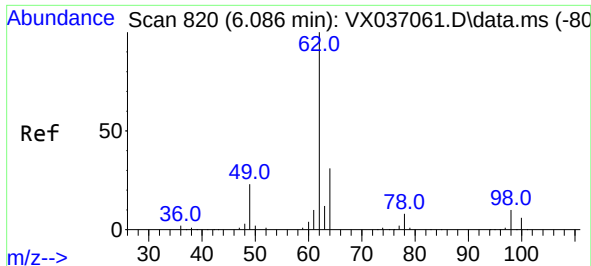
Tgt Ion:117 Resp: 14806
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.552 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 83 Resp: 1264
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 202.5 36.7 55.1#

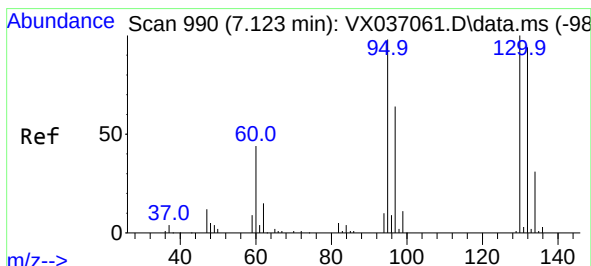
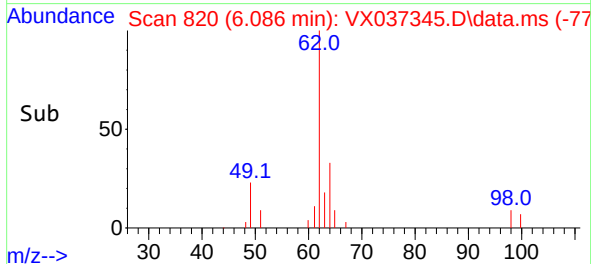
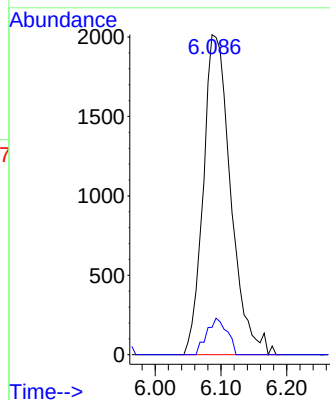
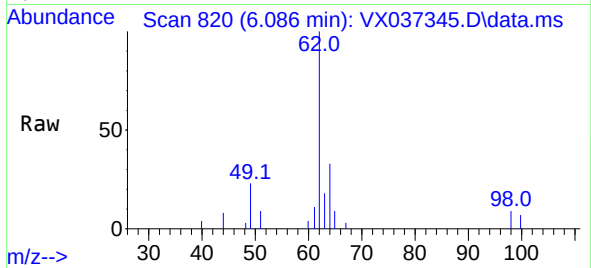




#42
1,2-Dichloroethane
Concen: 2.386 ug/l
RT: 6.086 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

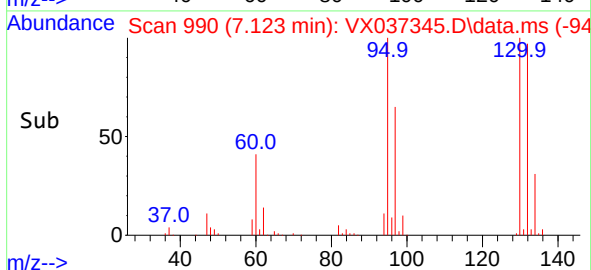
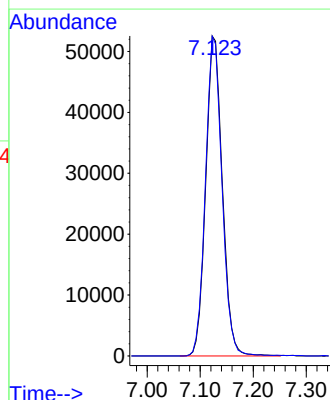
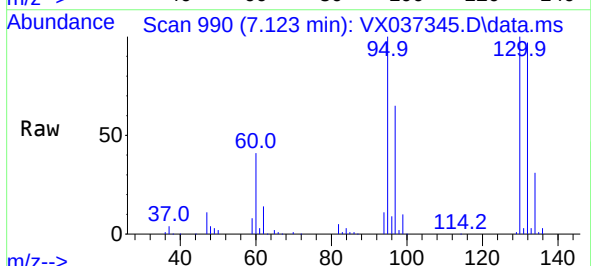
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

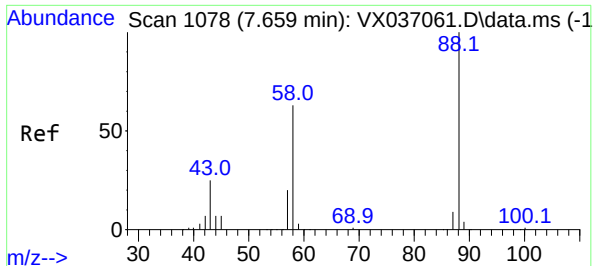
Tgt Ion: 62 Resp: 5847
Ion Ratio Lower Upper
62 100
98 8.4 0.0 16.0



#44
Trichloroethene
Concen: 64.371 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion:130 Resp: 114066
Ion Ratio Lower Upper
130 100
95 99.8 0.0 204.4





#49

1,4-Dioxane

Concen: 16.073 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.024 min

Lab File: VX037345.D

Acq: 29 Aug 2023 16:28

Instrument :

MSVOA_X

ClientSampleId :

BR-03-127-082823-H

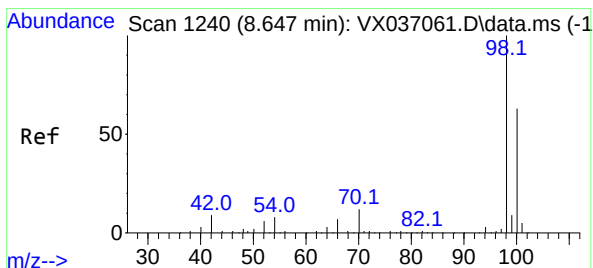
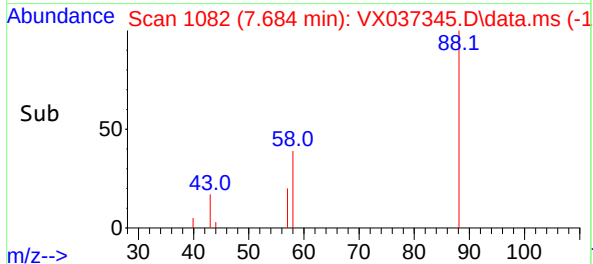
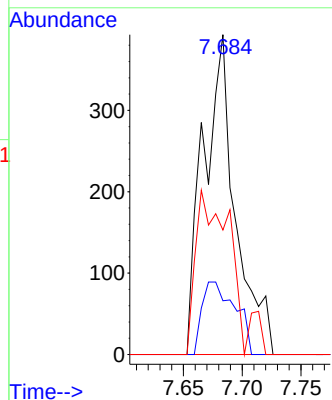
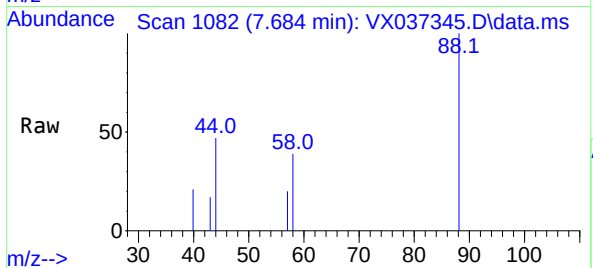
Tgt Ion: 88 Resp: 746

Ion Ratio Lower Upper

88 100

43 23.3 0.0 0.0#

58 52.4 60.1 90.1#



#50

Toluene-d8

Concen: 48.741 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037345.D

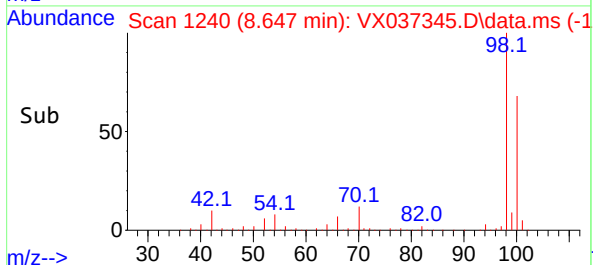
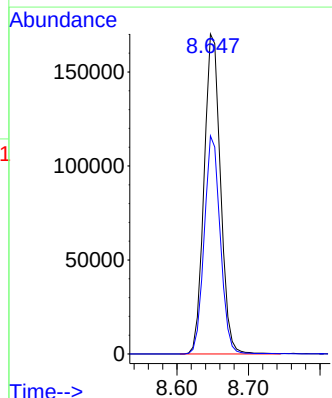
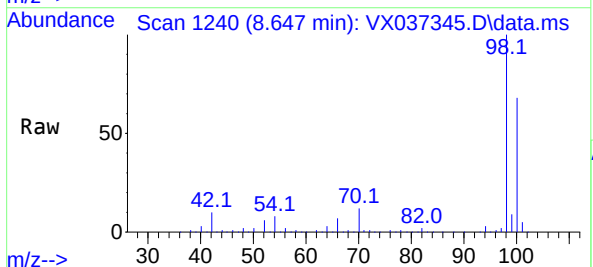
Acq: 29 Aug 2023 16:28

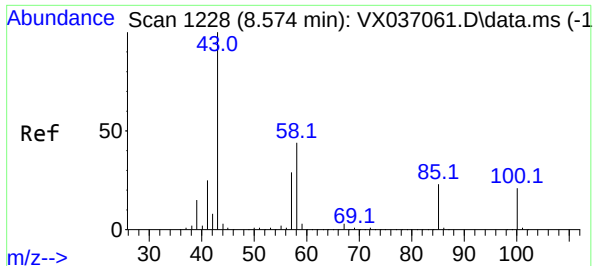
Tgt Ion: 98 Resp: 271159

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7

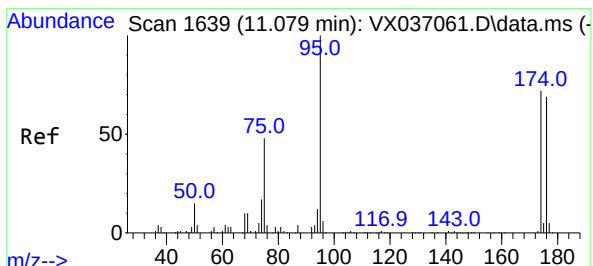
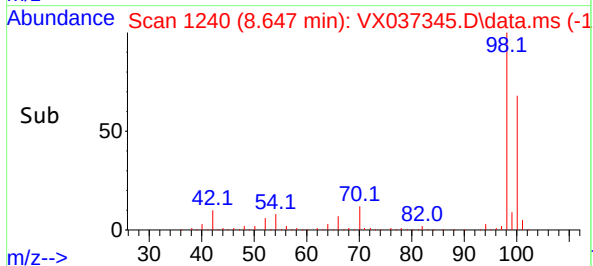
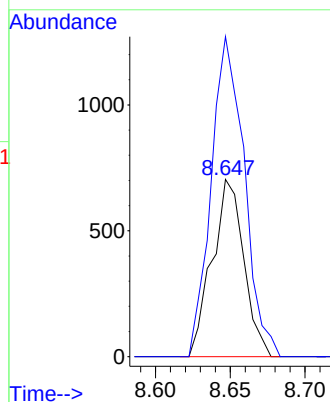
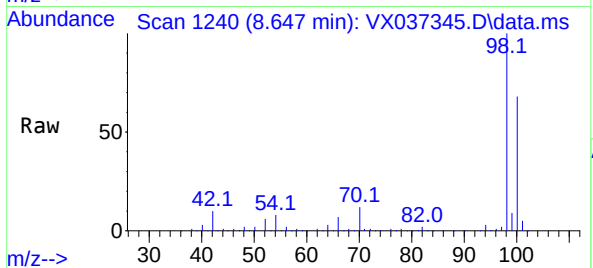




#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

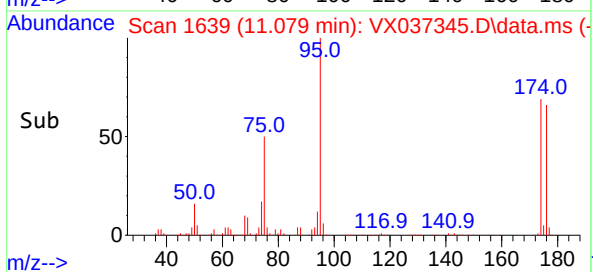
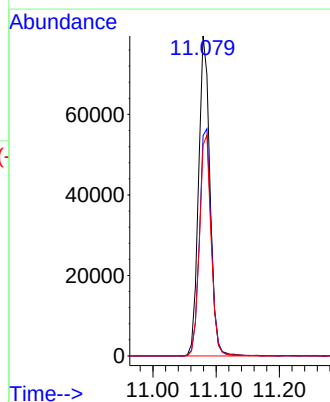
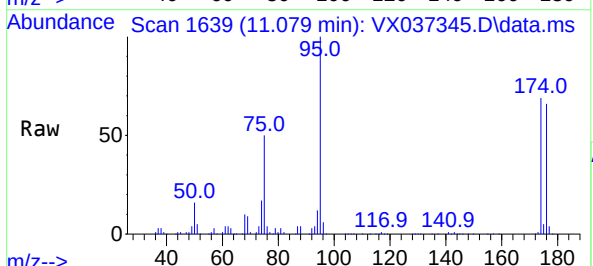
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

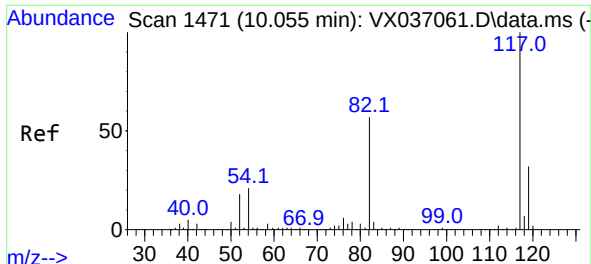
Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
58 188.6 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 45.638 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 95 Resp: 99777
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 70.6 0.0 131.0

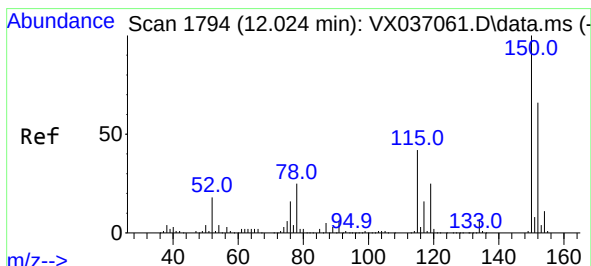
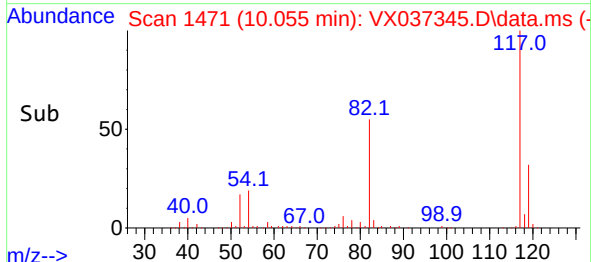
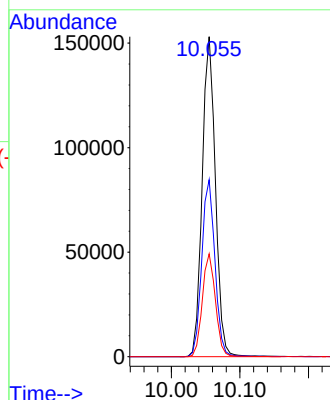
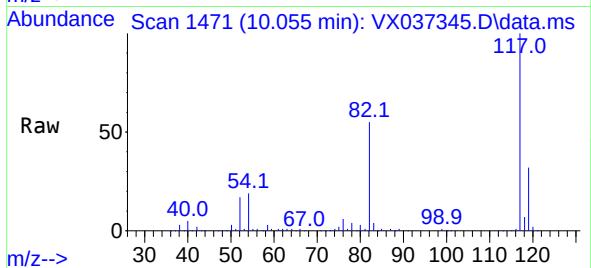




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

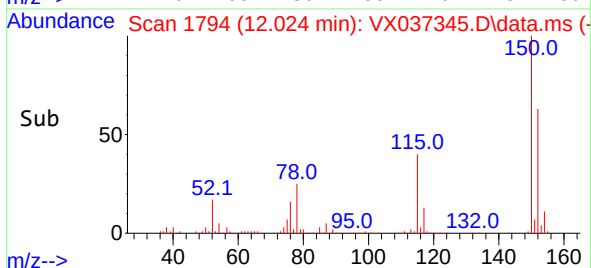
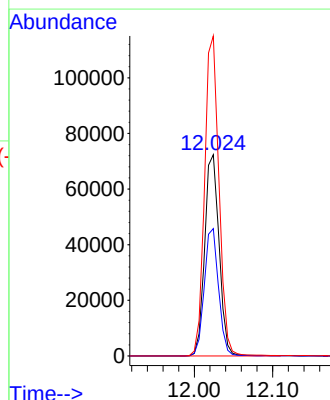
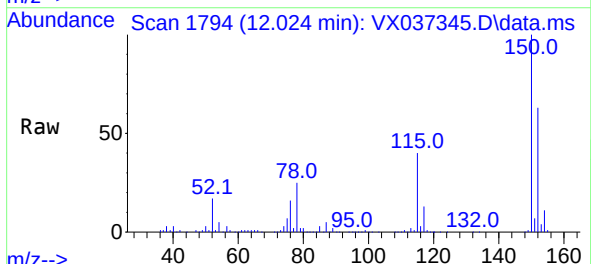
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

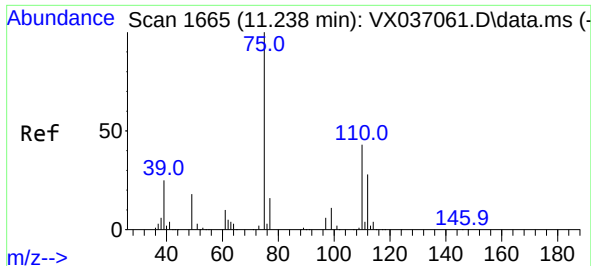
Tgt Ion:117 Resp: 205540
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion:152 Resp: 92449
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 158.3 0.0 345.0

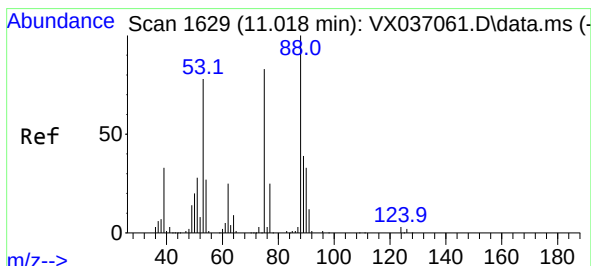
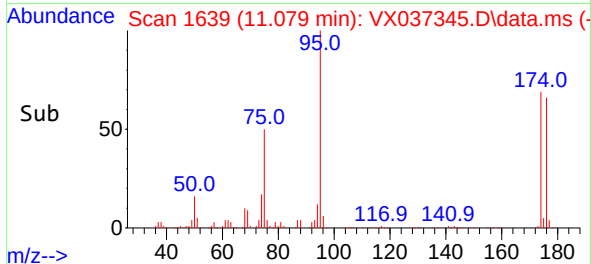
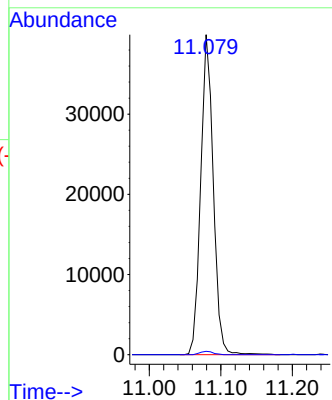
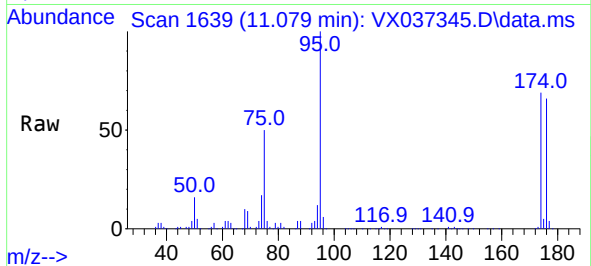




#76
1,2,3-Trichloropropane
Concen: 24.742 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-082823-H

Tgt Ion: 75 Resp: 48714
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.106 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037345.D
Acq: 29 Aug 2023 16:28

Tgt Ion: 75 Resp: 48714
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

