

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040767.D
 Acq On : 22 Mar 2024 00:38
 Operator : JC/MD
 Sample : P1803-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRENCH-PIT

Quant Time: Mar 22 03:05:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

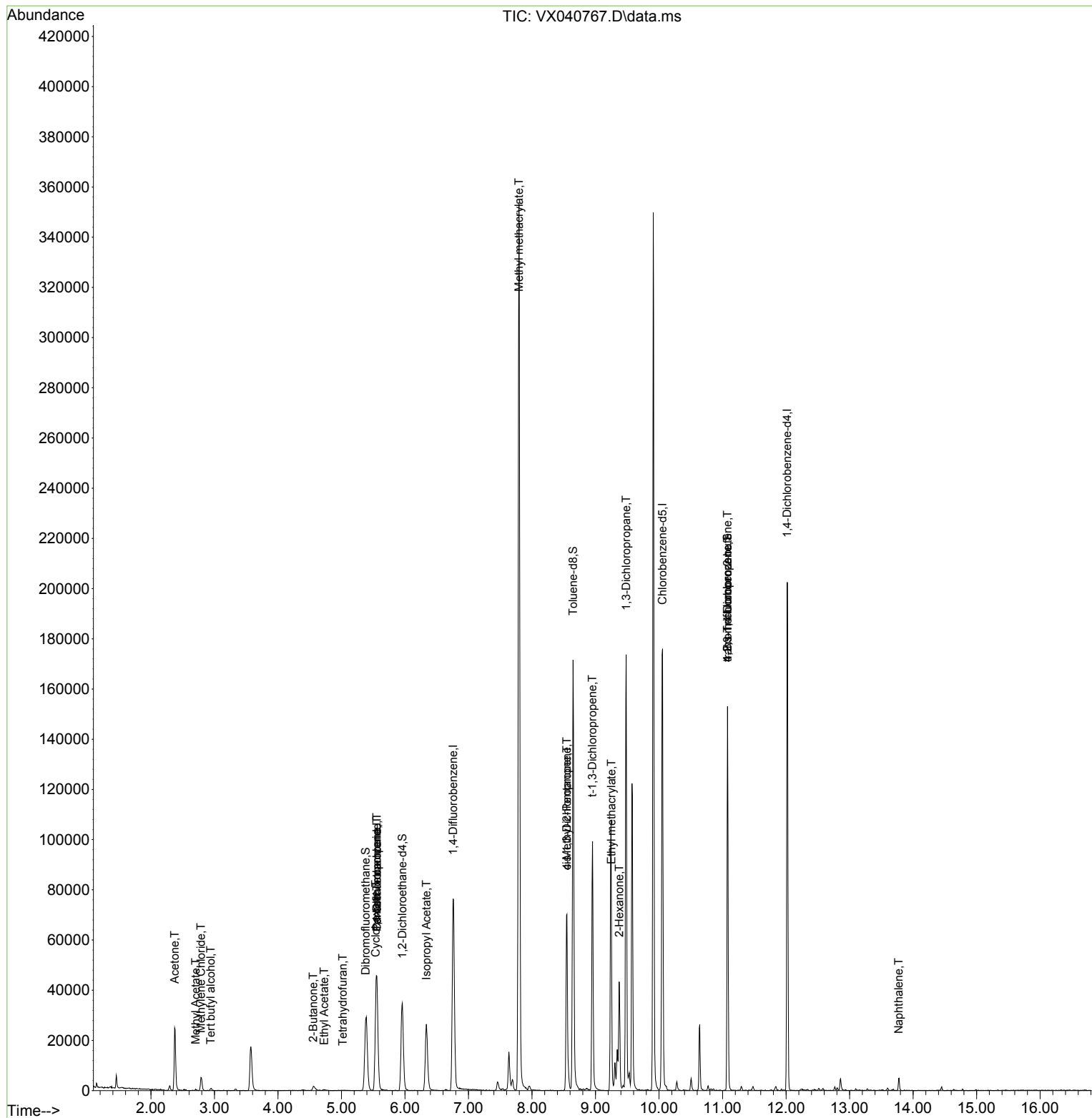
Internal Standards						
1) Pentafluorobenzene	5.556	168	41905	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	74944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35091	49.802	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.600%
35) Dibromofluoromethane	5.379	113	24964	44.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.040%
50) Toluene-d8	8.647	98	96332	50.169	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.340%
62) 4-Bromofluorobenzene	11.079	95	35241	46.454	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	835	7.400	ug/l #	78
16) Acetone	2.374	43	27251	109.189	ug/l	98
18) Methyl Acetate	2.703	43	705	1.054	ug/l #	61
20) Methylene Chloride	2.788	84	2480	4.546	ug/l #	92
25) 2-Butanone	4.556	43	2926	7.485	ug/l	99
29) Tetrahydrofuran	5.019	42	111	0.427	ug/l #	34
31) Cyclohexane	5.538	56	1089	1.301	ug/l #	39
36) 1,1-Dichloropropene	5.556	75	3880	4.699	ug/l #	48
37) Ethyl Acetate	4.727	43	987	1.053	ug/l #	69
38) Carbon Tetrachloride	5.556	117	4793	5.157	ug/l #	14
43) Isopropyl Acetate	6.336	43	36992	25.125	ug/l	97
48) Methyl methacrylate	7.793	41	32532	48.344	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	29079	31.848	ug/l #	46
53) t-1,3-Dichloropropene	8.952	75	228	0.255	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	10615	11.461	ug/l #	63
56) Ethyl methacrylate	9.250	69	245	0.265	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1340	1.418	ug/l #	42
59) 2-Hexanone	9.372	43	31219	44.138	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	20507	25.843	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	20507	65.378	ug/l #	5
95) Naphthalene	13.774	128	3338	1.168	ug/l	98

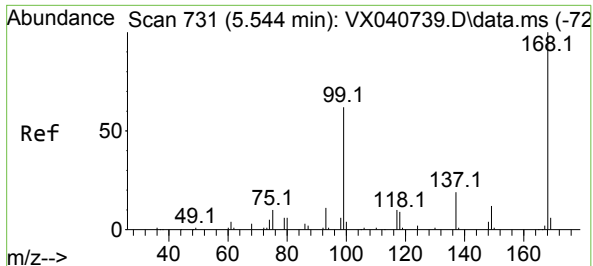
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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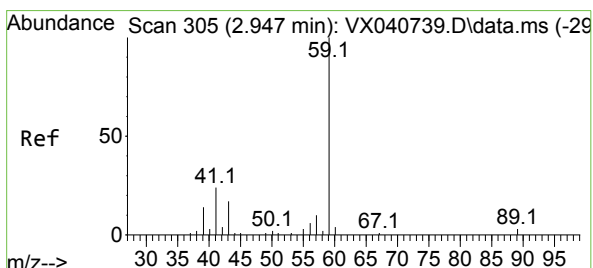
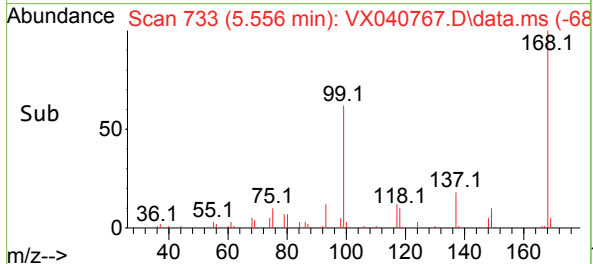
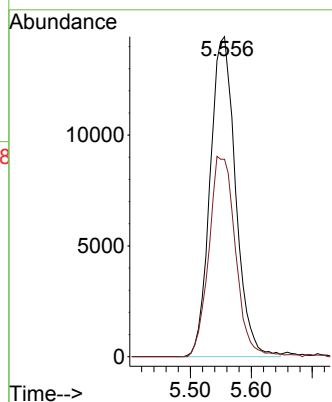
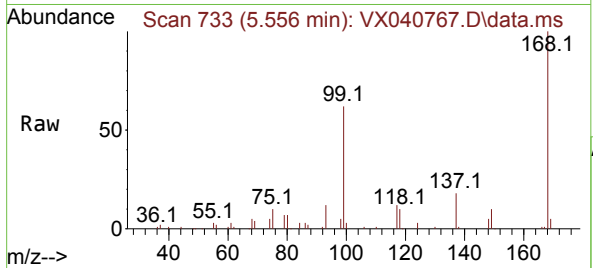




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

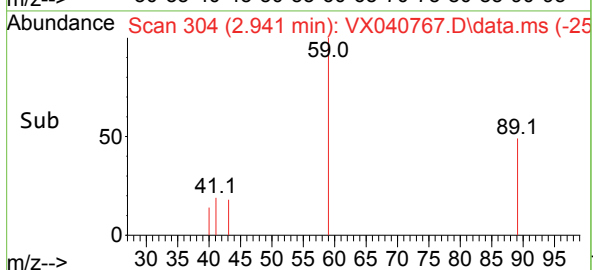
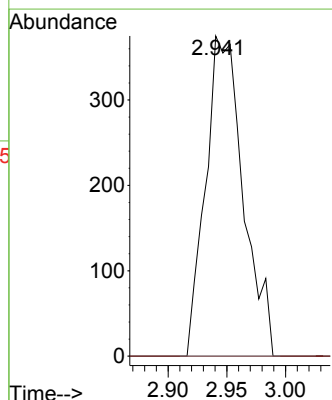
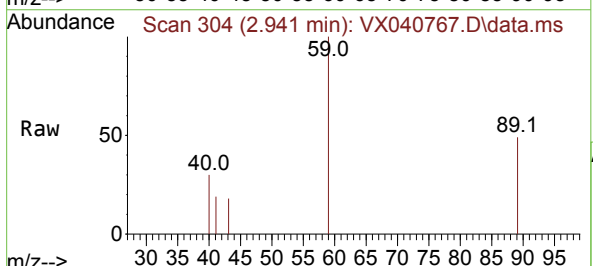
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

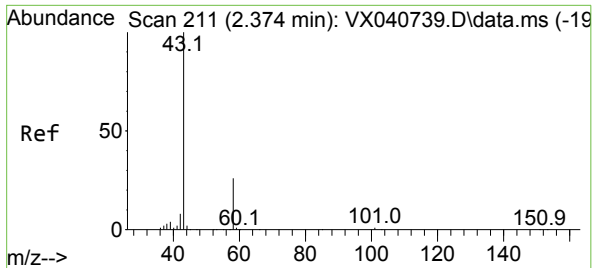
Tgt Ion:168 Resp: 41905
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 7.400 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 59 Resp: 835
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

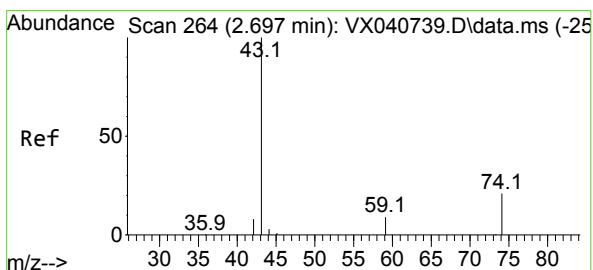
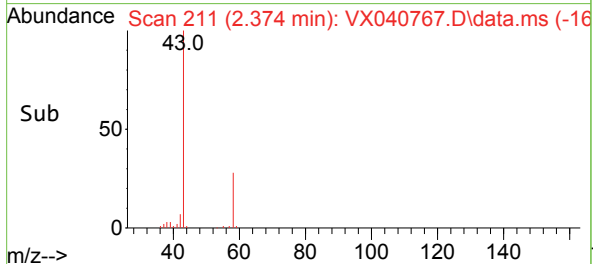
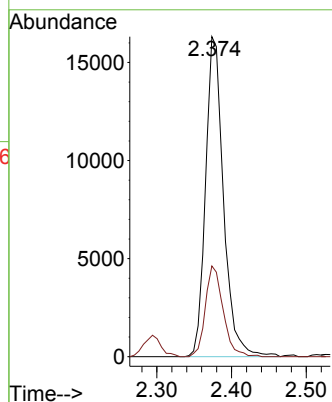
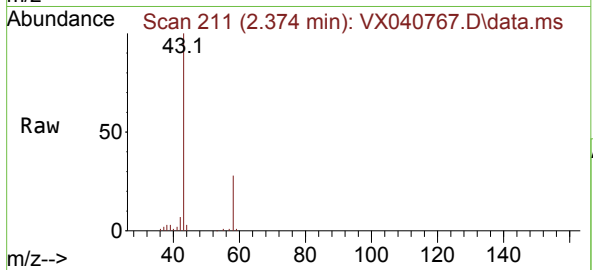




#16
Acetone
Concen: 109.189 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

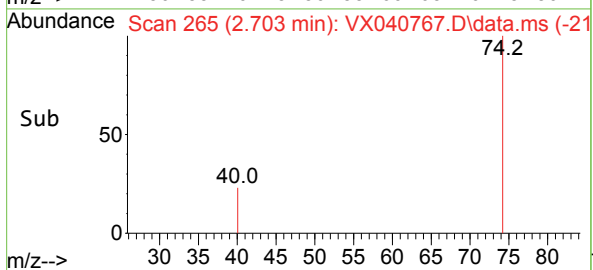
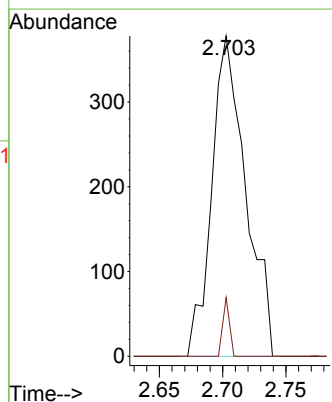
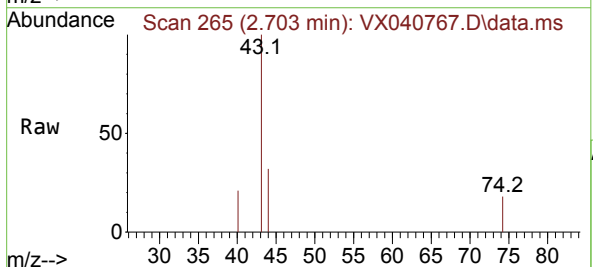
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

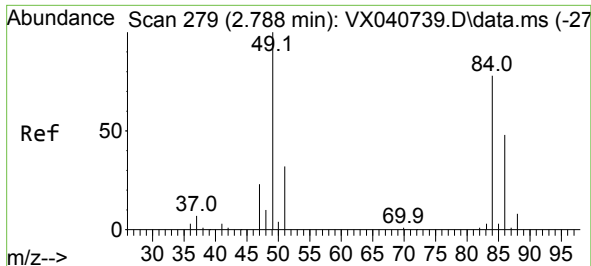
Tgt Ion: 43 Resp: 27251
Ion Ratio Lower Upper
43 100
58 28.3 21.9 32.9



#18
Methyl Acetate
Concen: 1.054 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
74 3.5 17.8 26.8#





#20

Methylene Chloride

Concen: 4.546 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040767.D

Acq: 22 Mar 2024 00:38

Instrument :

MSVOA_X

ClientSampleId :

TRENCH-PIT

Tgt Ion: 84 Resp: 2480

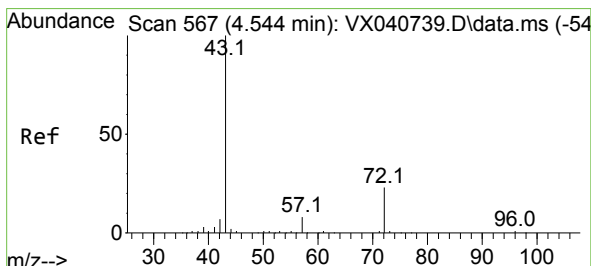
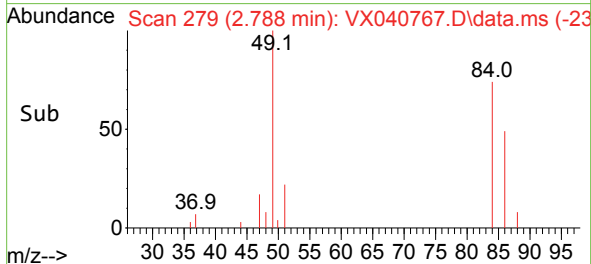
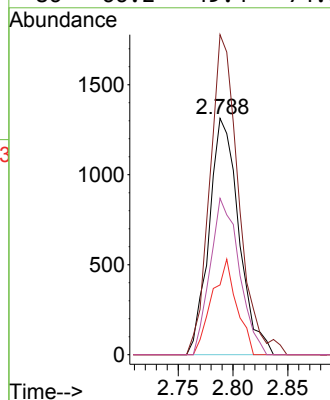
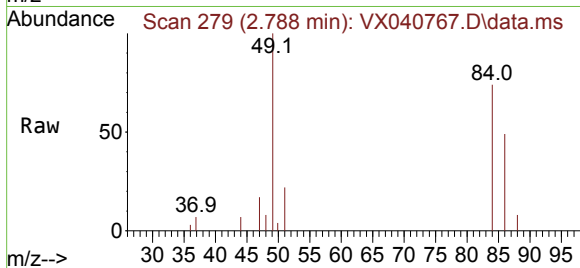
Ion Ratio Lower Upper

84 100

49 135.4 103.6 155.4

51 29.6 33.8 50.6#

86 66.2 49.4 74.0



#25

2-Butanone

Concen: 7.485 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.012 min

Lab File: VX040767.D

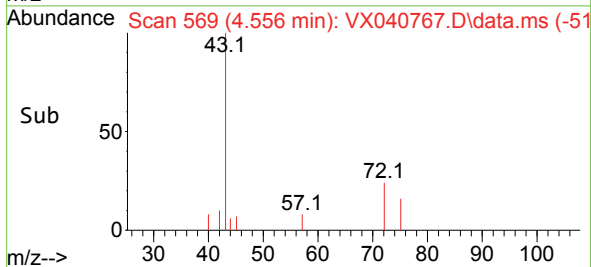
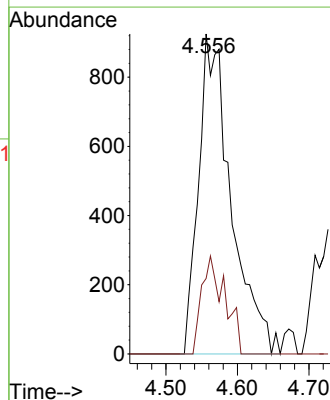
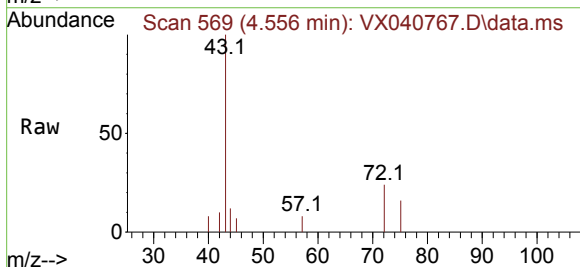
Acq: 22 Mar 2024 00:38

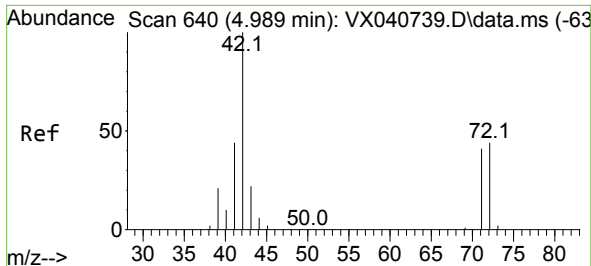
Tgt Ion: 43 Resp: 2926

Ion Ratio Lower Upper

43 100

72 23.6 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX040767.D

Acq: 22 Mar 2024 00:38

Instrument :

MSVOA_X

ClientSampleId :

TRENCH-PIT

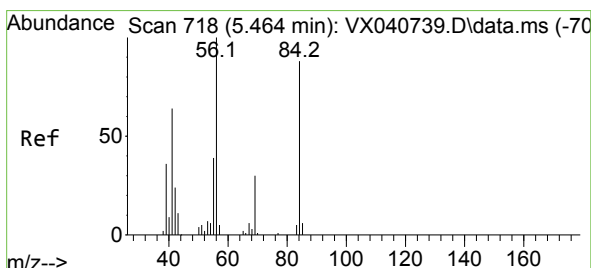
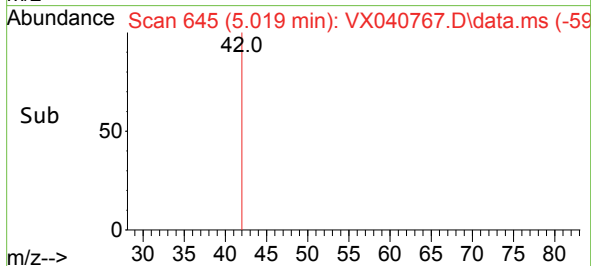
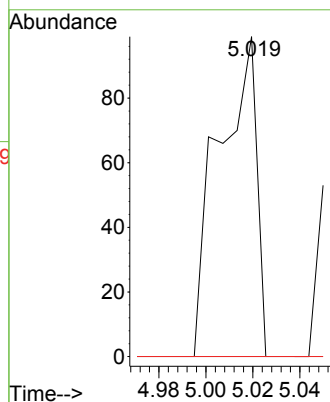
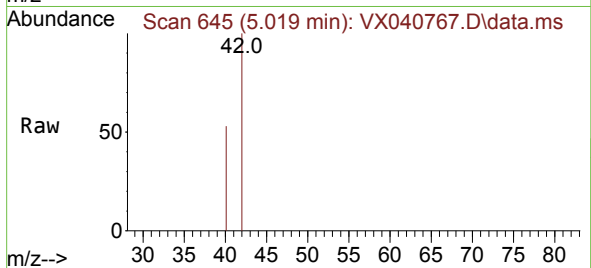
Tgt Ion: 42 Resp: 111

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.301 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.074 min

Lab File: VX040767.D

Acq: 22 Mar 2024 00:38

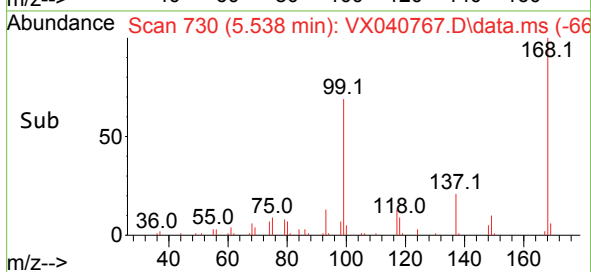
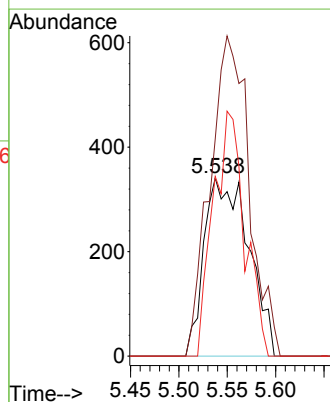
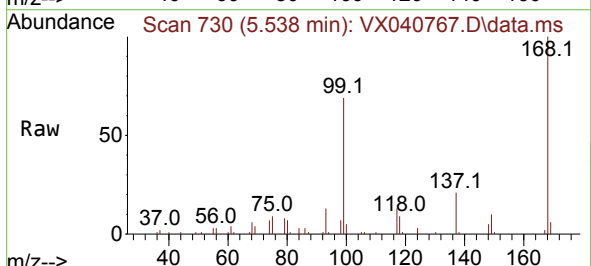
Tgt Ion: 56 Resp: 1089

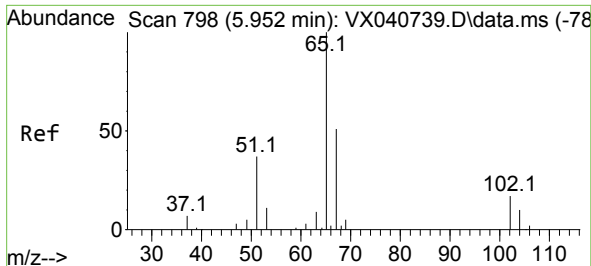
Ion Ratio Lower Upper

56 100

69 122.0 23.4 35.2#

84 100.9 65.9 98.9#

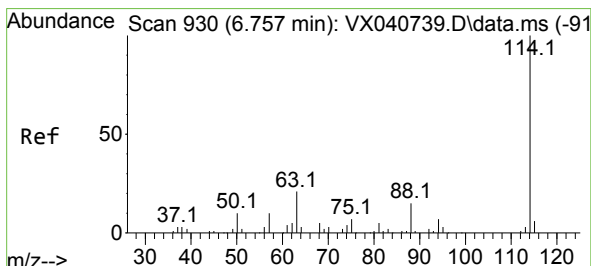
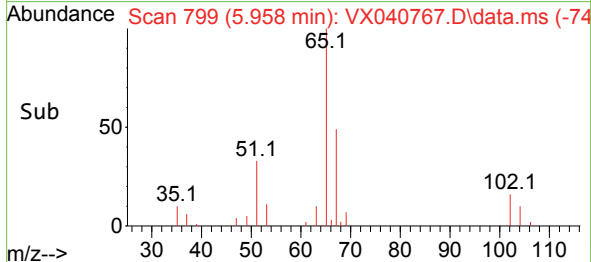
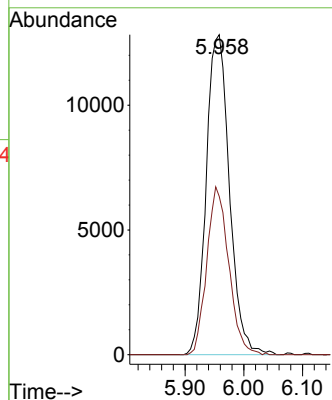
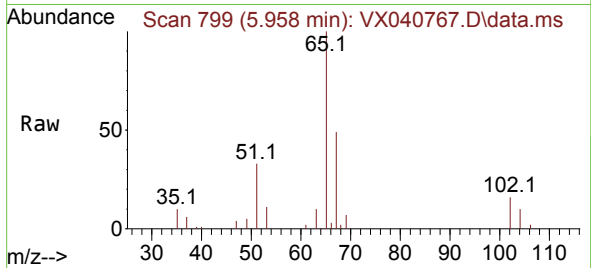




#33
 1,2-Dichloroethane-d4
 Concen: 49.802 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040767.D
 Acq: 22 Mar 2024 00:38

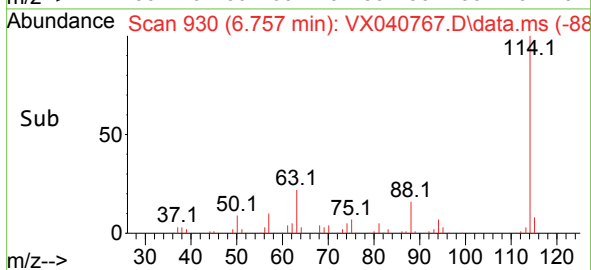
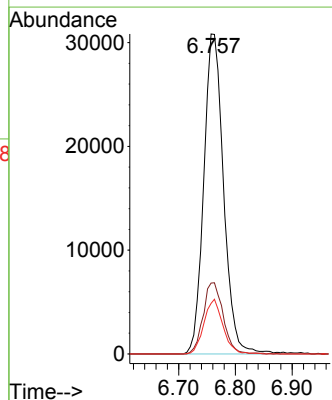
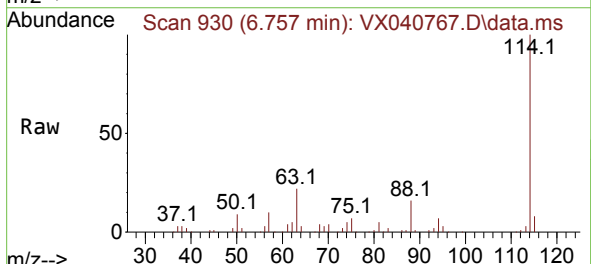
Instrument :
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 TRENCH-PIT

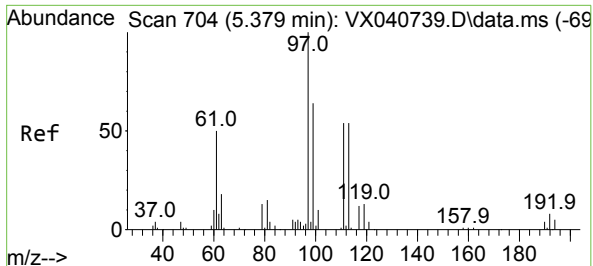
Tgt Ion: 65 Resp: 35091
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX040767.D
 Acq: 22 Mar 2024 00:38

Tgt Ion: 114 Resp: 74944
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 15.8 0.0 36.6

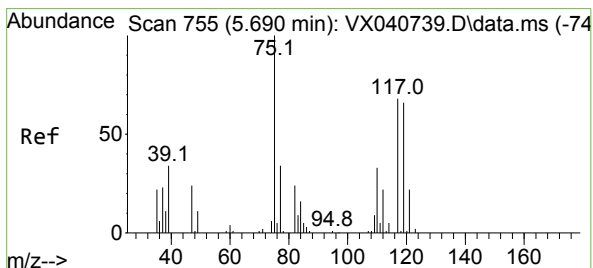
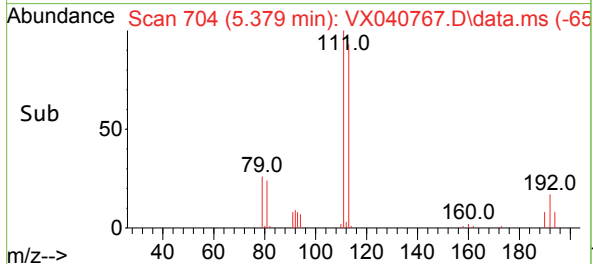
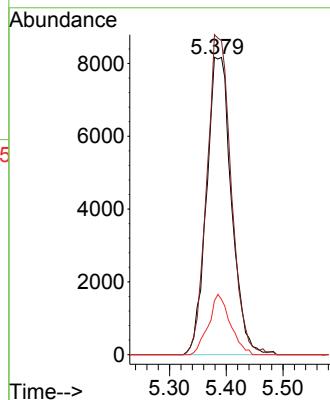
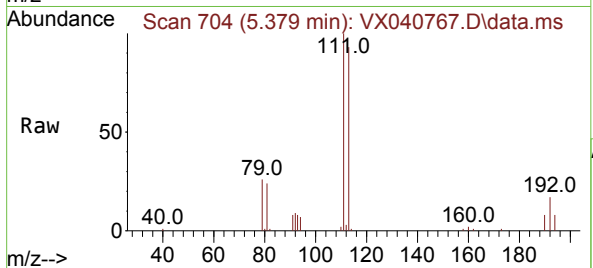




#35
Dibromofluoromethane
Concen: 44.517 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

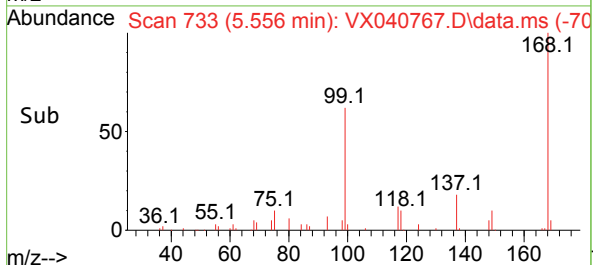
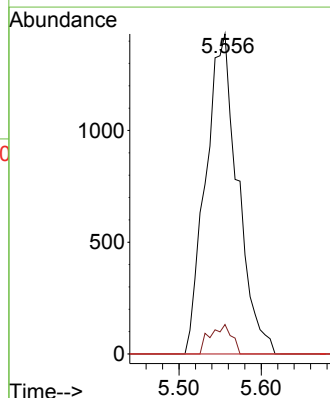
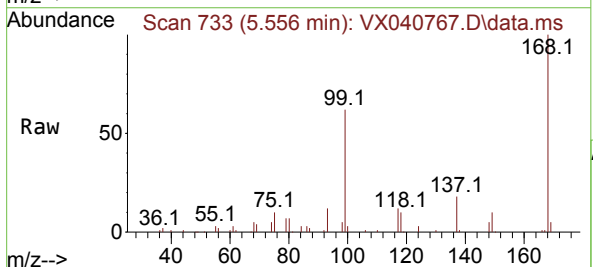
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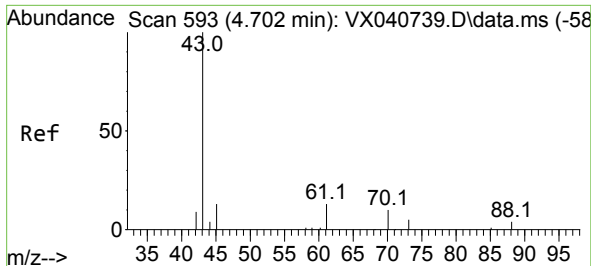
Tgt Ion:113 Resp: 24964
Ion Ratio Lower Upper
113 100
111 105.2 82.9 124.3
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.699 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 75 Resp: 3880
Ion Ratio Lower Upper
75 100
110 6.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.053 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.024 min

Lab File: VX040767.D

Acq: 22 Mar 2024 00:38

Instrument :

MSVOA_X

ClientSampleId :

TRENCH-PIT

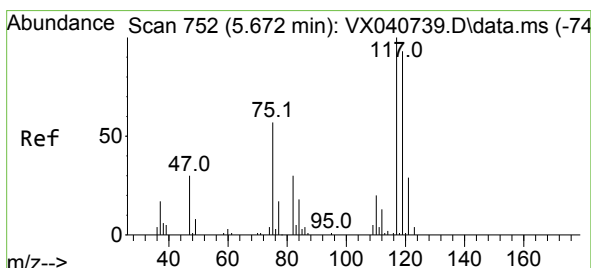
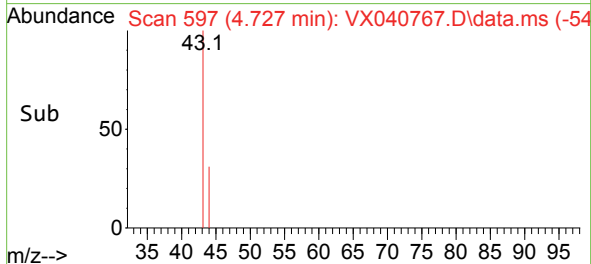
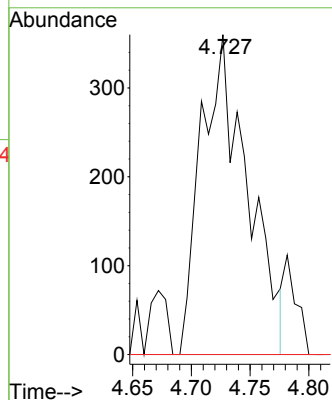
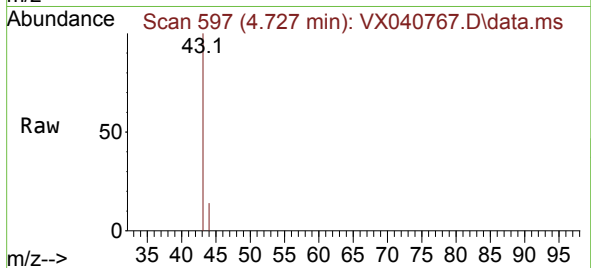
Tgt Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.157 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX040767.D

Acq: 22 Mar 2024 00:38

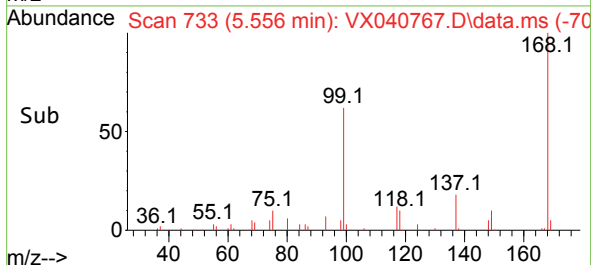
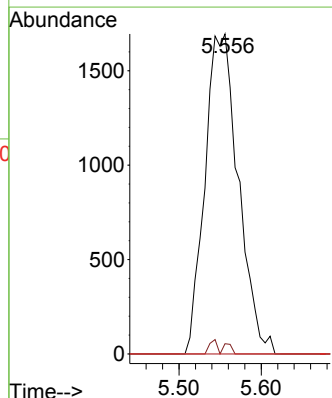
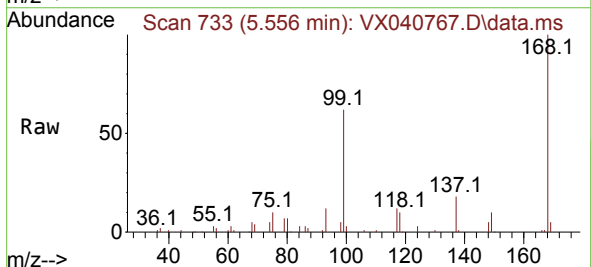
Tgt Ion: 117 Resp: 4793

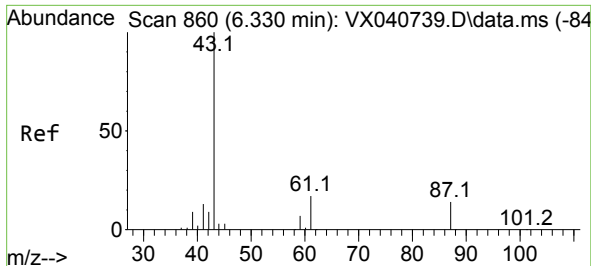
Ion Ratio Lower Upper

117 100

119 3.2 78.2 117.2#

121 0.0 24.4 36.6#

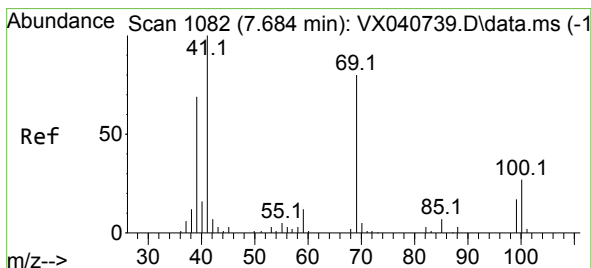
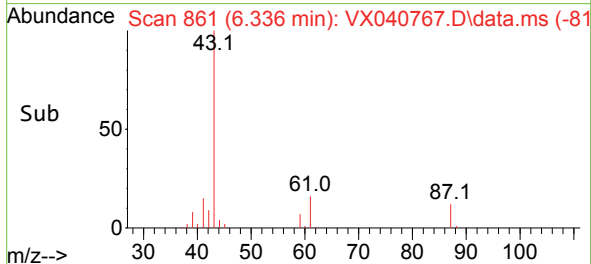
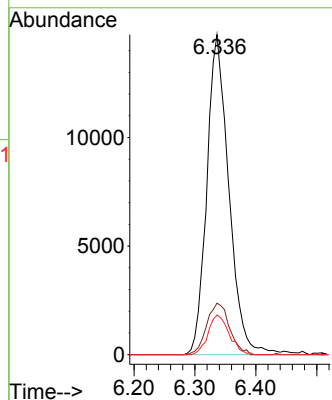
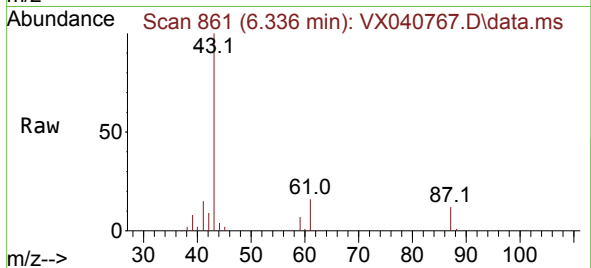




#43
Isopropyl Acetate
Concen: 25.125 ug/l
RT: 6.336 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

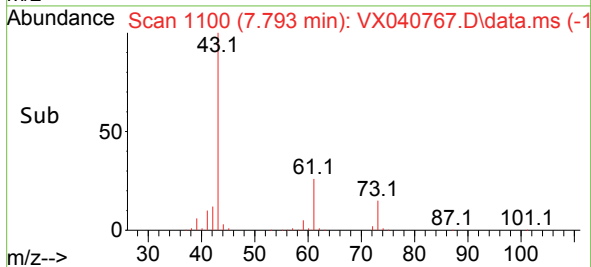
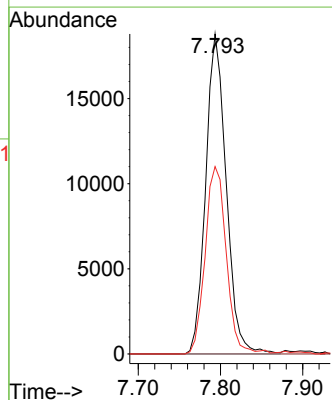
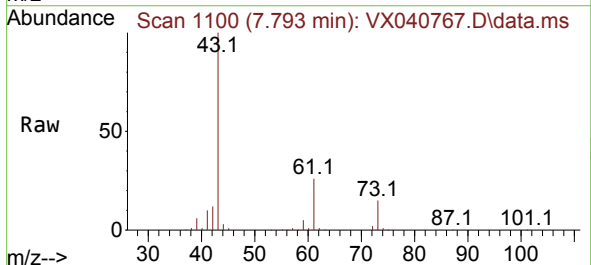
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

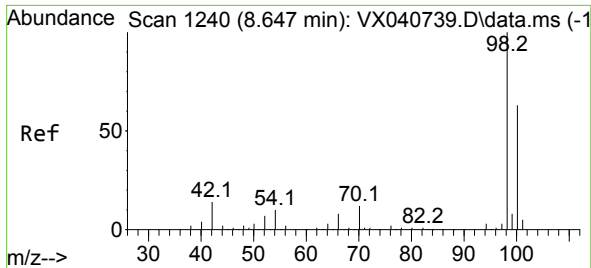
Tgt Ion: 43 Resp: 36992
Ion Ratio Lower Upper
43 100
61 16.7 15.2 22.8
87 11.8 9.8 14.6



#48
Methyl methacrylate
Concen: 48.344 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 41 Resp: 32532
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 60.5 47.7 71.5

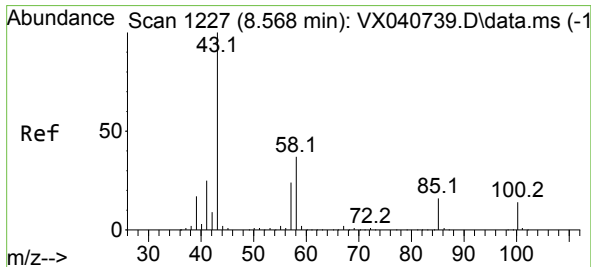
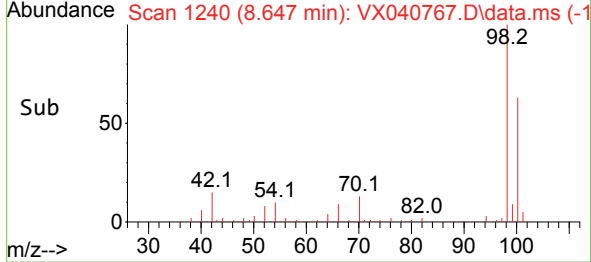
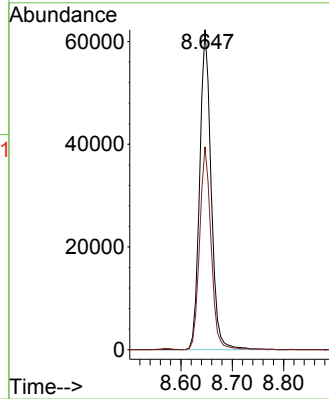
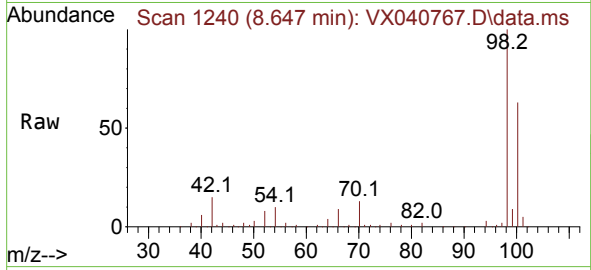




#50
Toluene-d8
Concen: 50.169 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

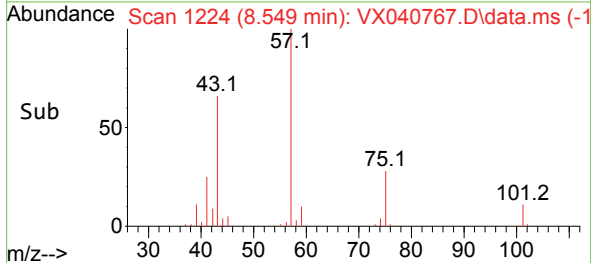
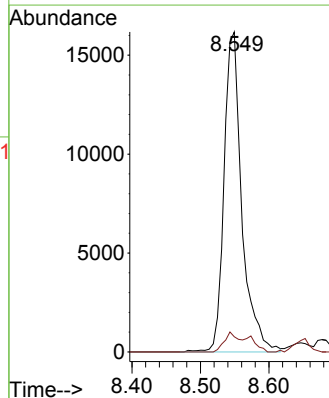
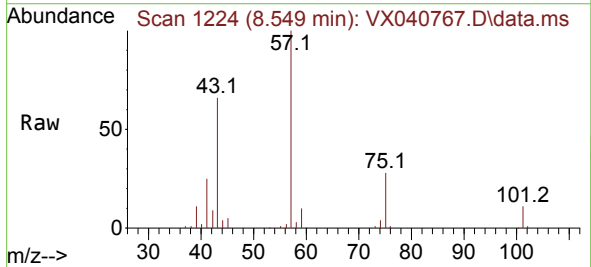
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

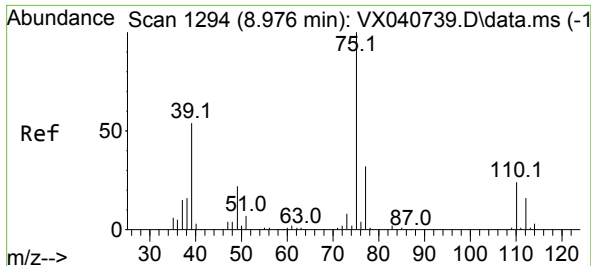
Tgt Ion: 98 Resp: 96332
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 31.848 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 43 Resp: 29079
Ion Ratio Lower Upper
43 100
58 5.2 30.4 45.6#

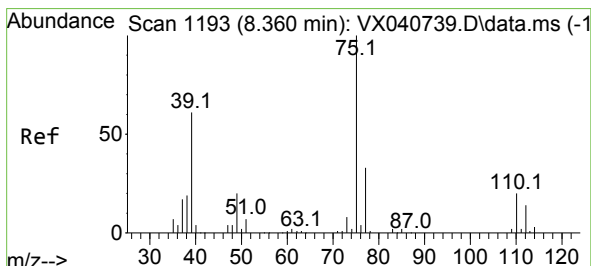
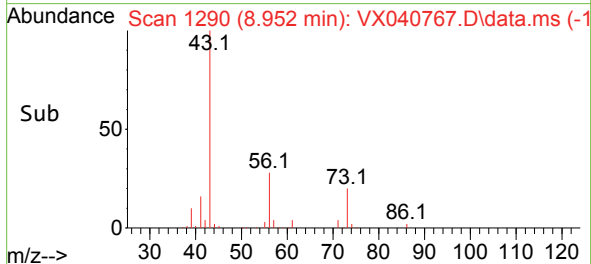
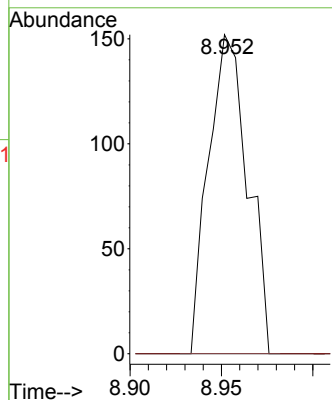
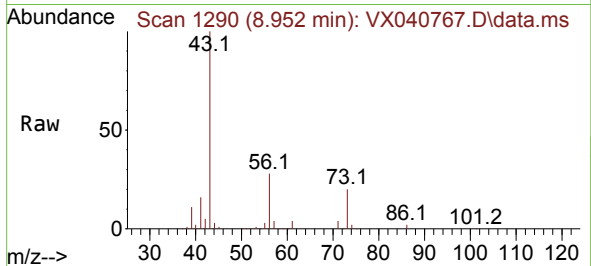




#53
 t-1,3-Dichloropropene
 Concen: 0.255 ug/l
 RT: 8.952 min Scan# 1124
 Delta R.T. -0.024 min
 Lab File: VX040767.D
 Acq: 22 Mar 2024 00:38

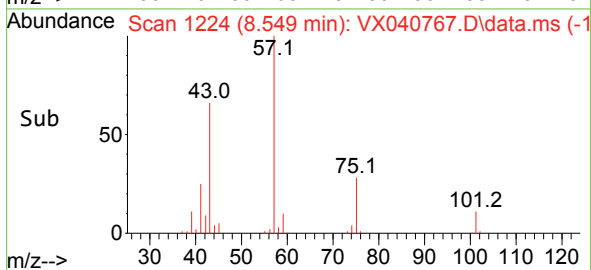
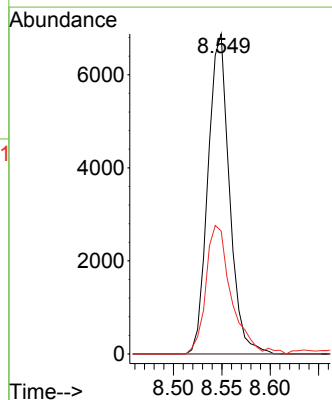
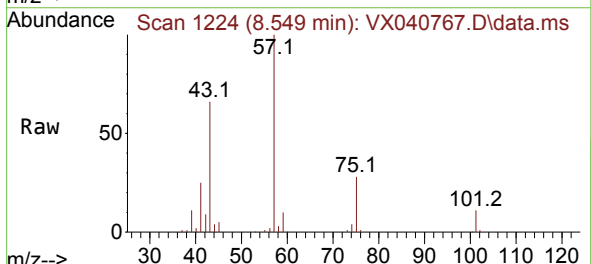
Instrument :
 MSVOA_X
 ClientSampleId :
 TRENCH-PIT

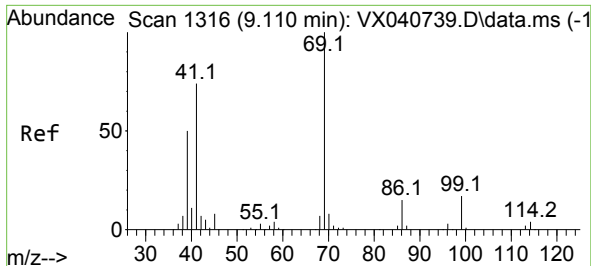
Tgt Ion: 75 Resp: 228
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.461 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX040767.D
 Acq: 22 Mar 2024 00:38

Tgt Ion: 75 Resp: 10615
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 38.4 46.7 70.1#

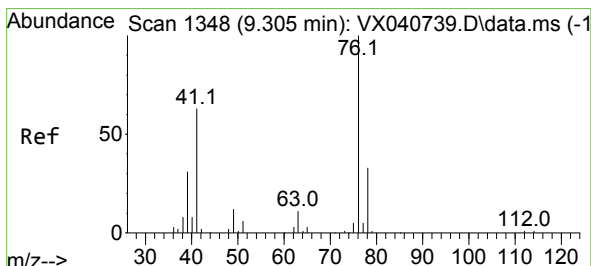
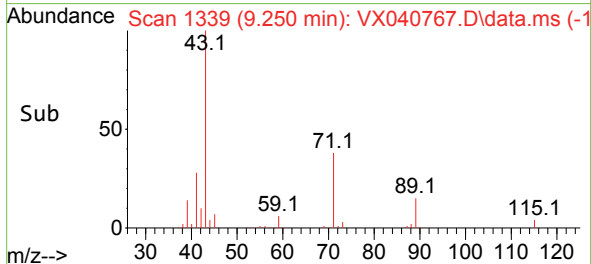
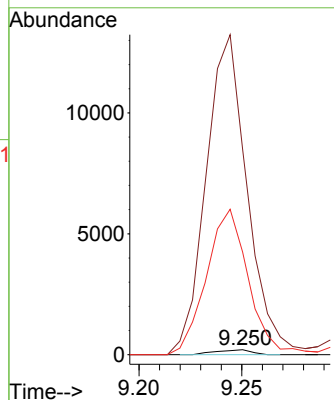
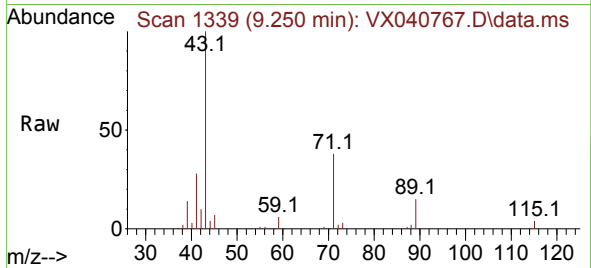




#56
Ethyl methacrylate
Concen: 0.265 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.140 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

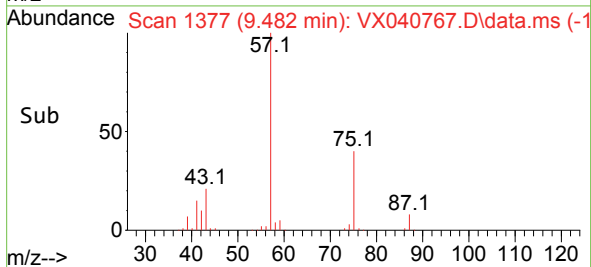
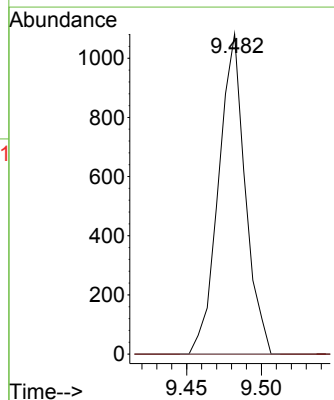
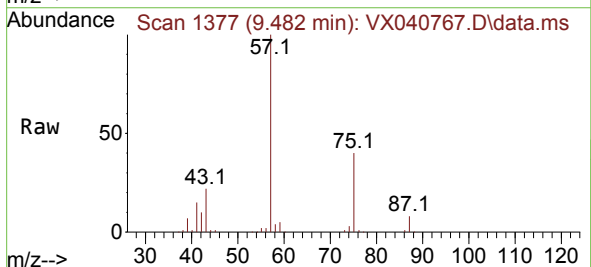
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

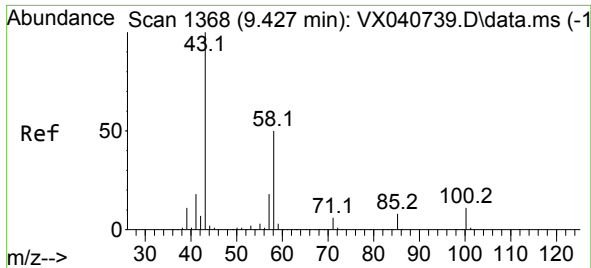
Tgt Ion: 69 Resp: 245
Ion Ratio Lower Upper
69 100
41 7546.9 56.8 85.2#
39 3506.5 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.418 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 76 Resp: 1340
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

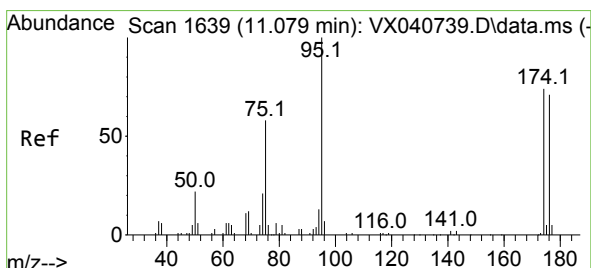
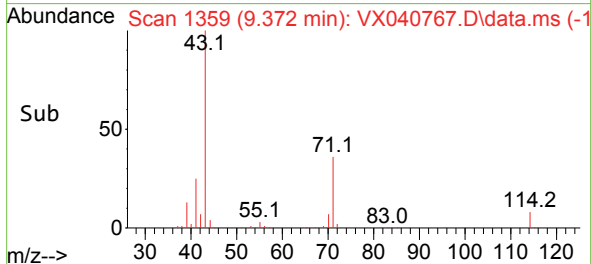
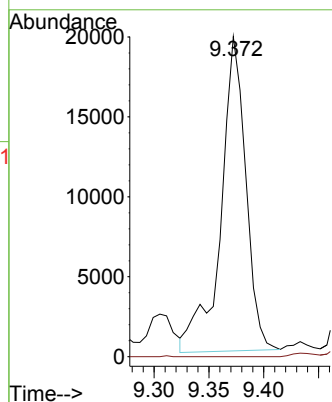
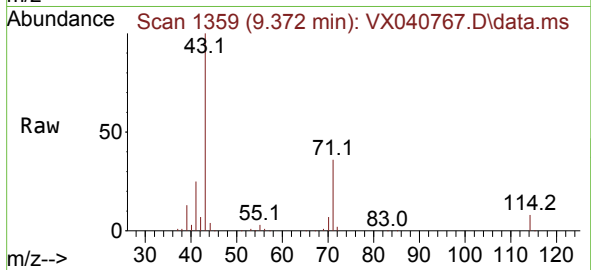




#59
2-Hexanone
Concen: 44.138 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

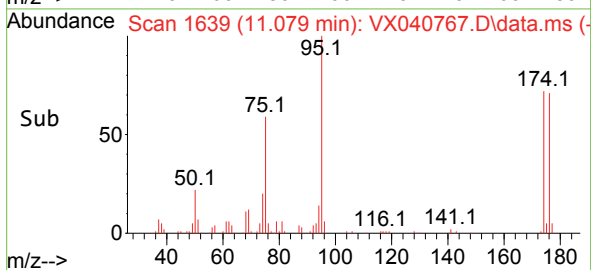
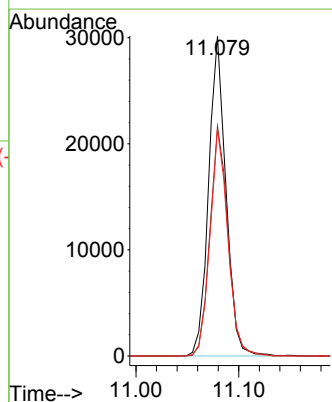
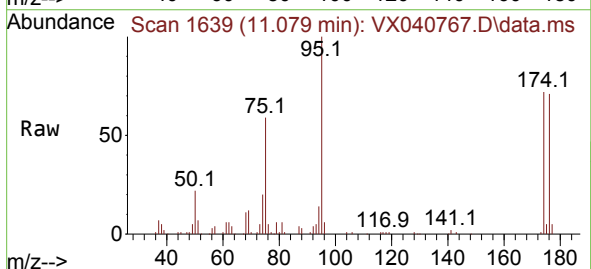
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

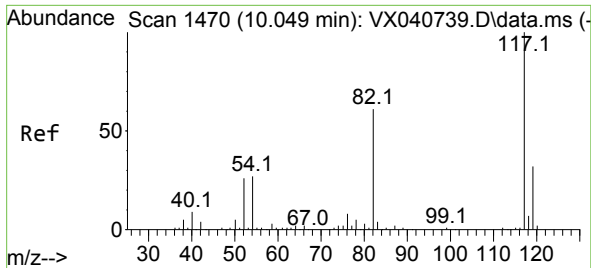
Tgt Ion: 43 Resp: 31219
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.454 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 95 Resp: 35241
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 72.4 0.0 131.0

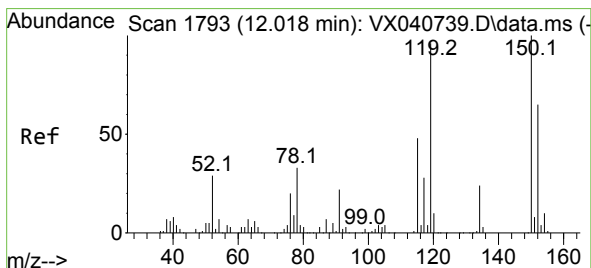
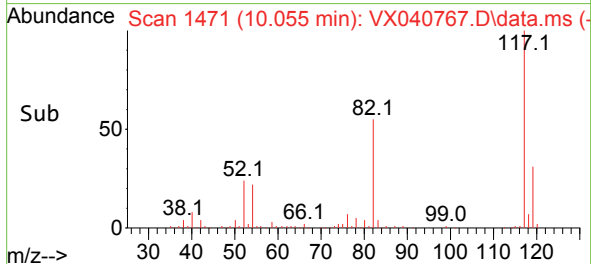
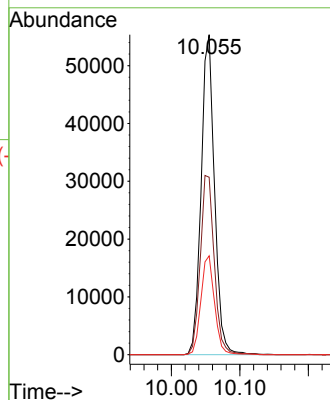
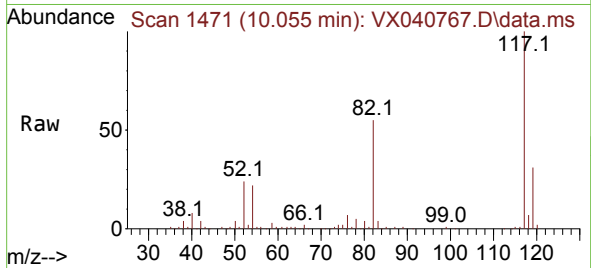




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

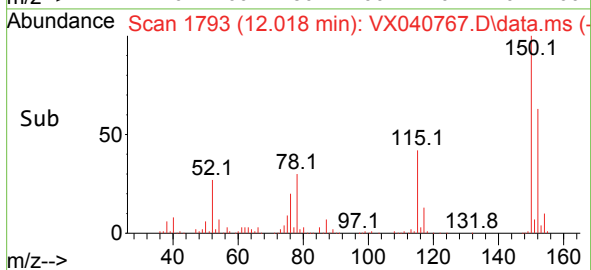
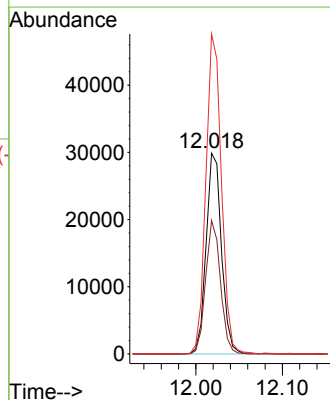
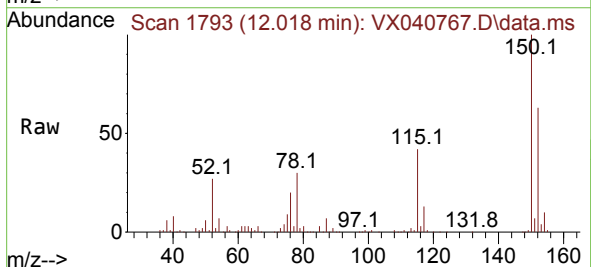
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

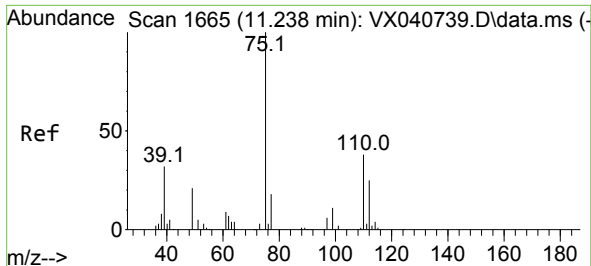
Tgt Ion:117 Resp: 75416
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 30.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion:152 Resp: 36895
Ion Ratio Lower Upper
152 100
115 63.9 43.3 129.9
150 160.3 0.0 345.0

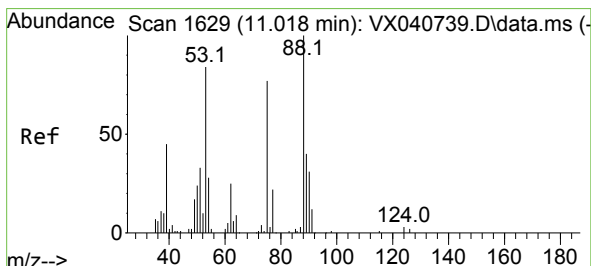
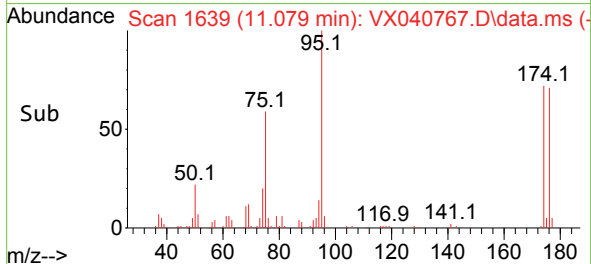
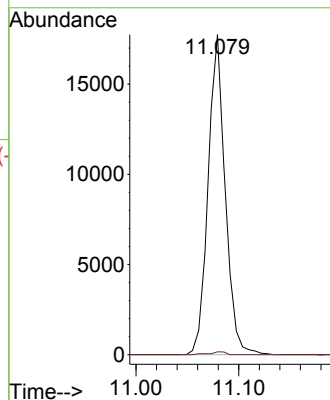
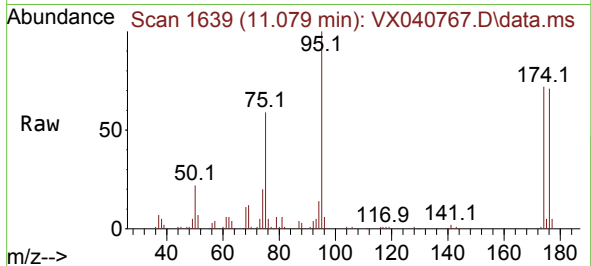




#76
1,2,3-Trichloropropane
Concen: 25.843 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

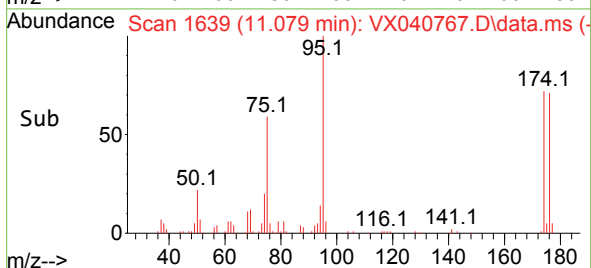
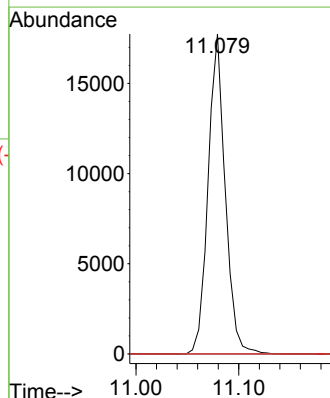
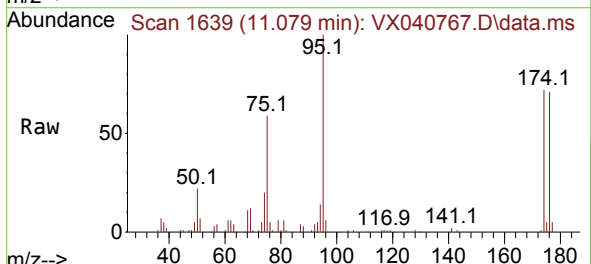
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-PIT

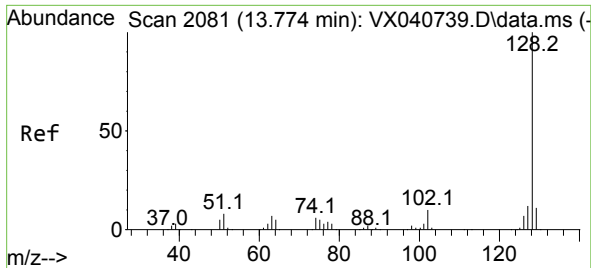
Tgt Ion: 75 Resp: 20507
Ion Ratio Lower Upper
75 100
77 0.8 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040767.D
Acq: 22 Mar 2024 00:38

Tgt Ion: 75 Resp: 20507
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.168 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX040767.D

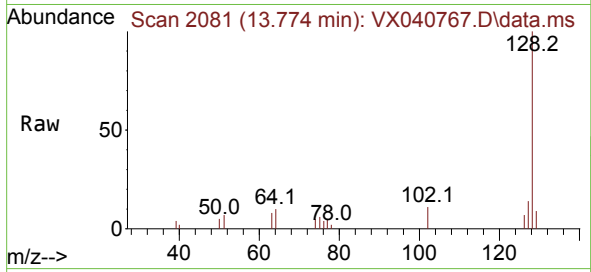
Acq: 22 Mar 2024 00:38

Instrument :

MSVOA_X

ClientSampleId :

TRENCH-PIT



Tgt Ion:128 Resp: 3338

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 9.6 8.8 13.2

