

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
 Data File : VX048188.D
 Acq On : 15 Oct 2025 14:15
 Operator : JC/MD
 Sample : Q3345-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-FARM-SOIL

Quant Time: Oct 16 04:05:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	119461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	249438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104673	55.047	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.100%			
35) Dibromofluoromethane	5.373	113	81366	48.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.280%			
50) Toluene-d8	8.635	98	293894	50.772	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.061	95	123837	56.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.740%			
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	15137	18.308	ug/l	99
18) Methyl Acetate	2.703	43	6952	3.778	ug/l	98
20) Methylene Chloride	2.794	84	4166	2.380	ug/l	91
25) 2-Butanone	4.562	43	6741	6.536	ug/l #	90
37) Ethyl Acetate	4.715	43	4147m	1.584	ug/l	
43) Isopropyl Acetate	6.330	43	8446	1.968	ug/l #	86

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

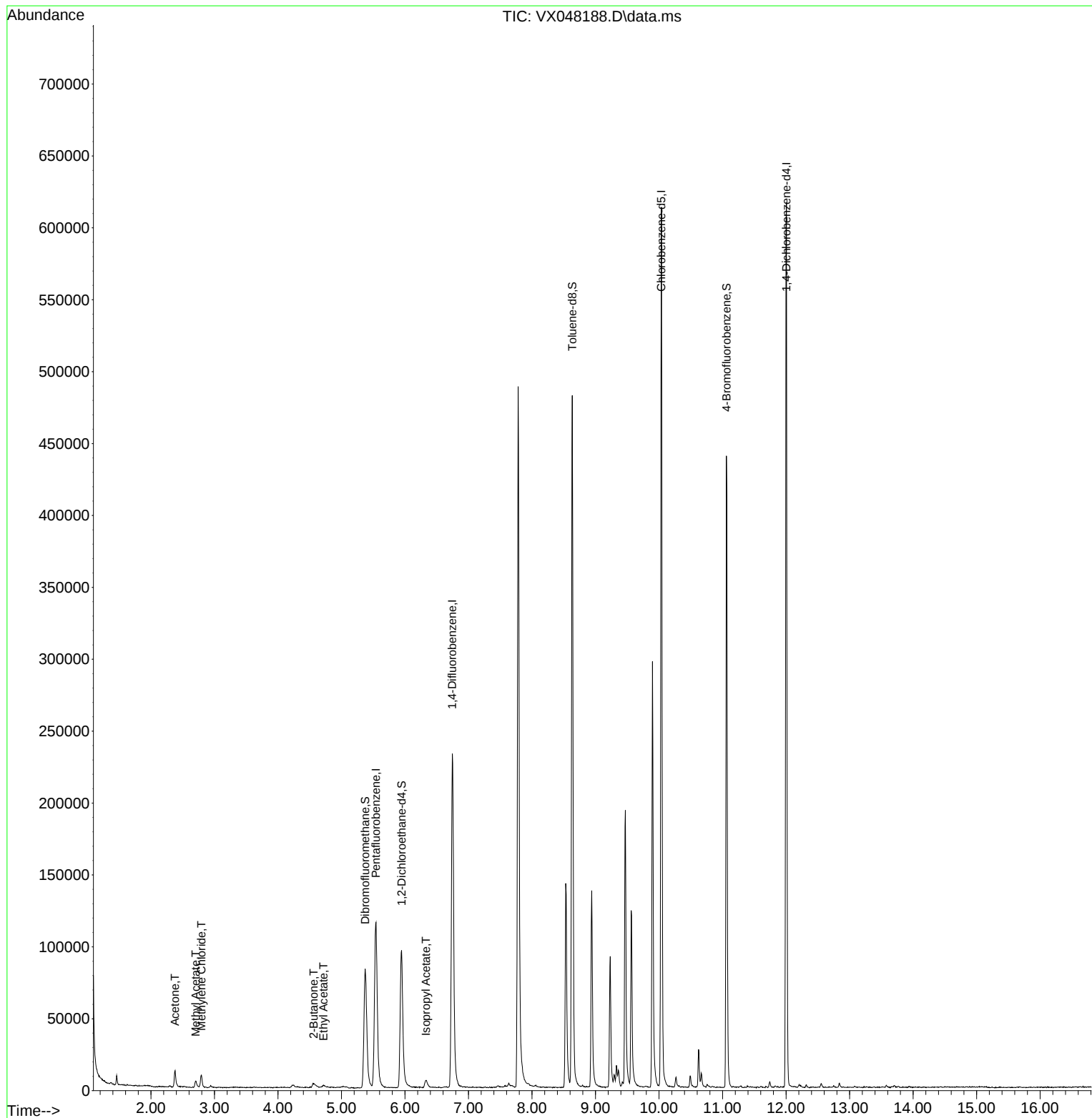
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
Data File : VX048188.D
Acq On : 15 Oct 2025 14:15
Operator : JC/MD
Sample : Q3345-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

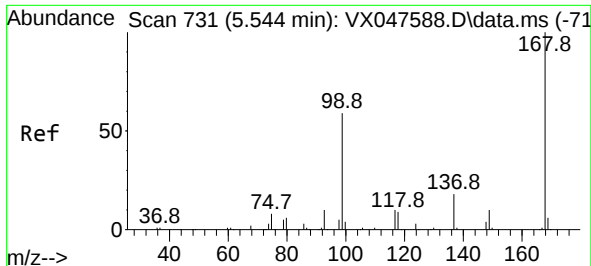
Instrument :
MSVOA_X
ClientSampleId :
TANK-FARM-SOIL

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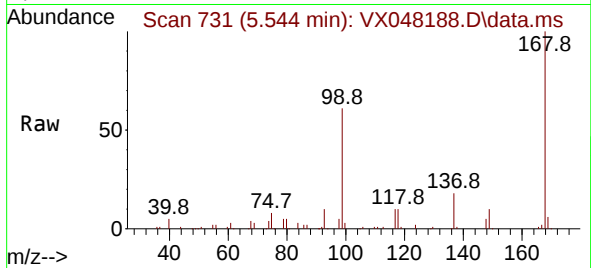
Quant Time: Oct 16 04:05:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

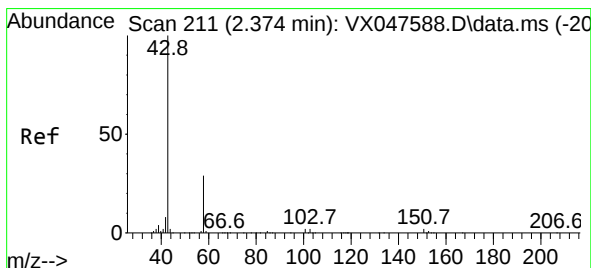
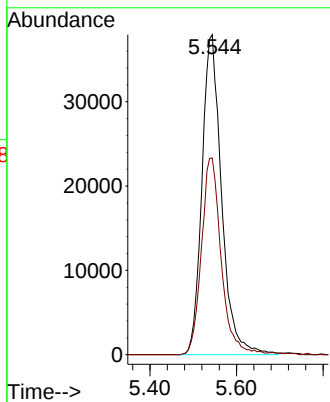
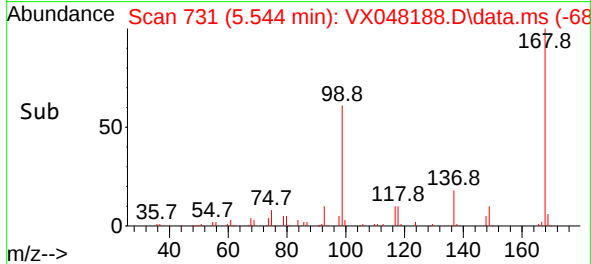
Instrument :
MSVOA_X
ClientSampleId :
TANK-FARM-SOIL



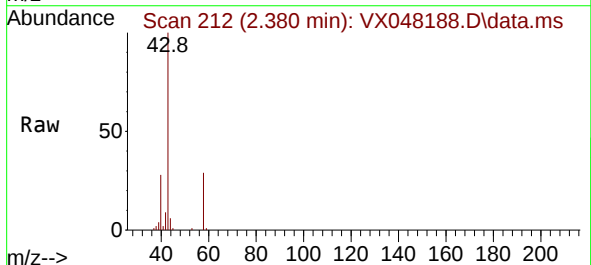
Tgt Ion:168 Resp: 11946
Ion Ratio Lower Upper
168 100
99 61.5 48.8 73.2

Manual Integrations
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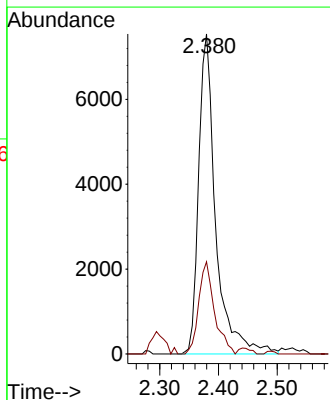
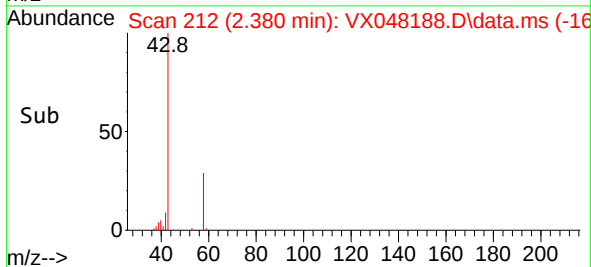
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

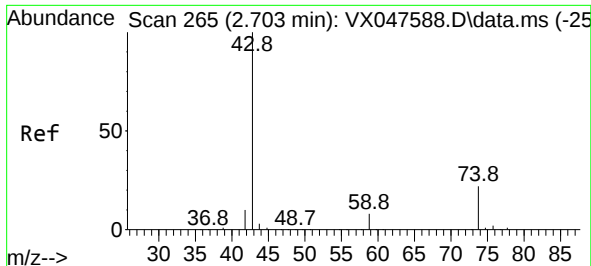


#16
Acetone
Concen: 18.308 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15



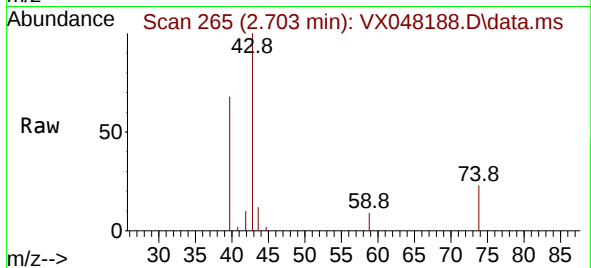
Tgt Ion: 43 Resp: 15137
Ion Ratio Lower Upper
43 100
58 28.8 23.4 35.0





#18
Methyl Acetate
Concen: 3.778 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

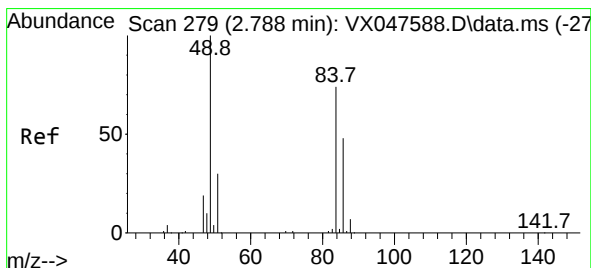
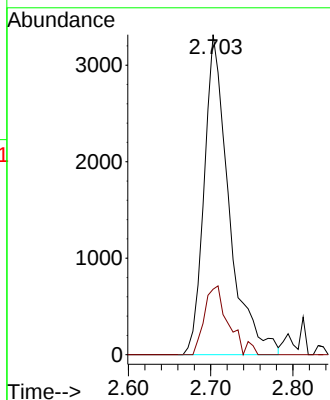
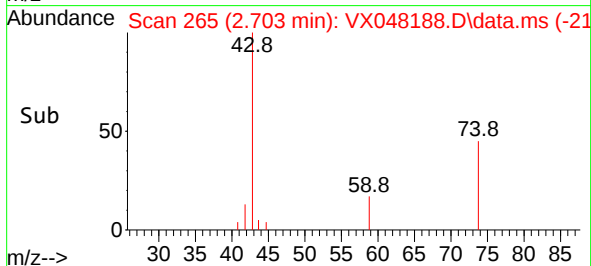
Instrument :
MSVOA_X
ClientSampleId :
TANK-FARM-SOIL



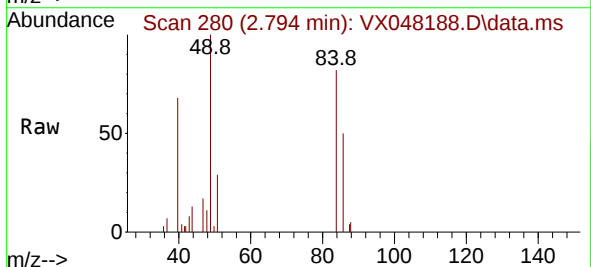
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
74 20.8 17.4 26.2

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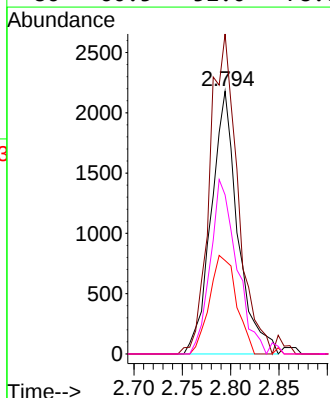
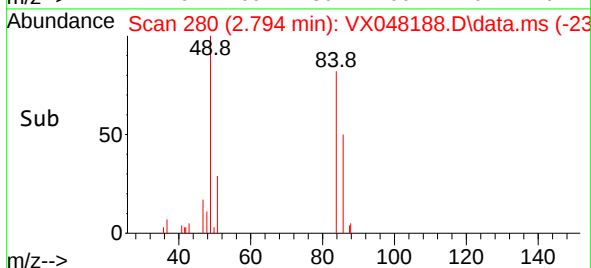
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

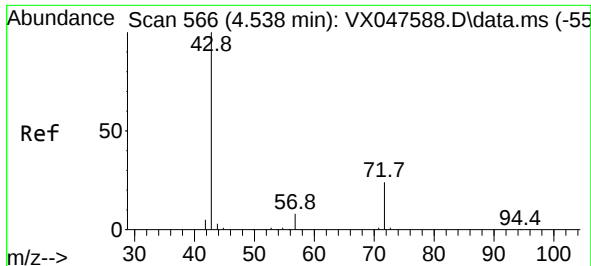


#20
Methylene Chloride
Concen: 2.380 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15



Tgt Ion: 84 Resp: 4166
Ion Ratio Lower Upper
84 100
49 121.8 108.6 162.8
51 35.6 32.6 48.8
86 60.5 52.0 78.0





#25

2-Butanone

Concen: 6.536 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX048188.D

Acq: 15 Oct 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

TANK-FARM-SOIL

Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

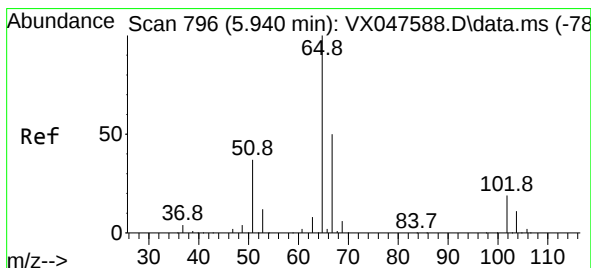
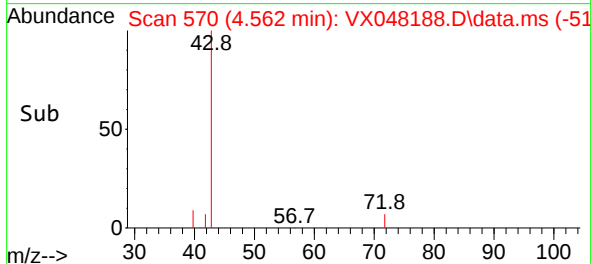
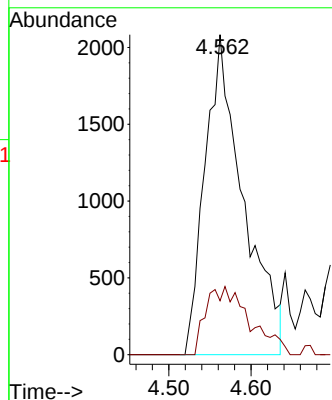
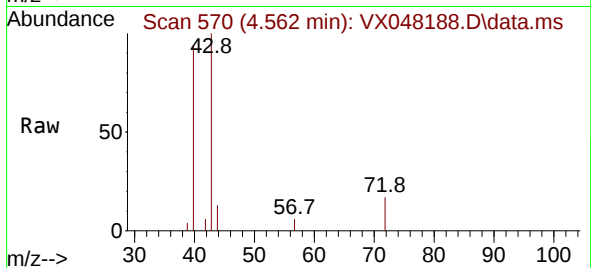
72 20.0 20.1 30.1

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#33

1,2-Dichloroethane-d4

Concen: 55.047 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX048188.D

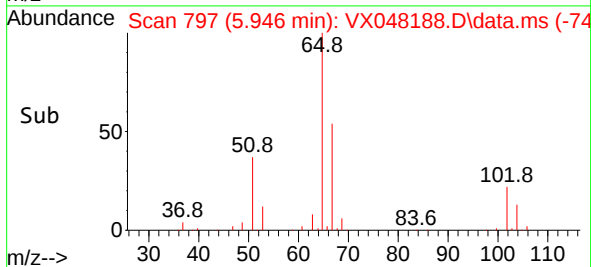
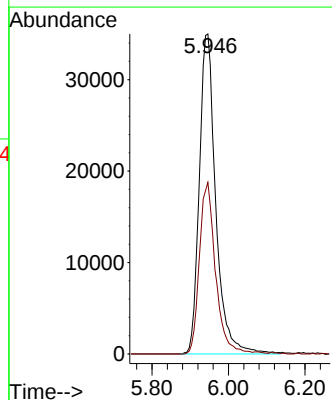
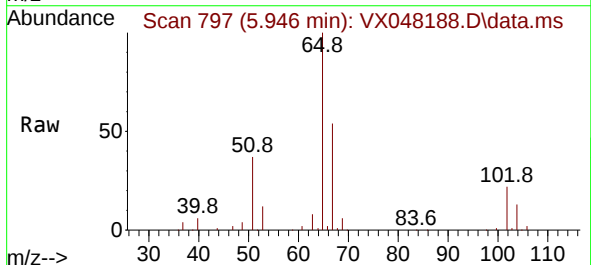
Acq: 15 Oct 2025 14:15

Tgt Ion: 65 Resp: 104673

Ion Ratio Lower Upper

65 100

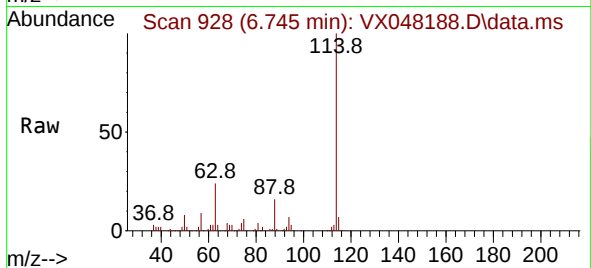
67 52.3 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

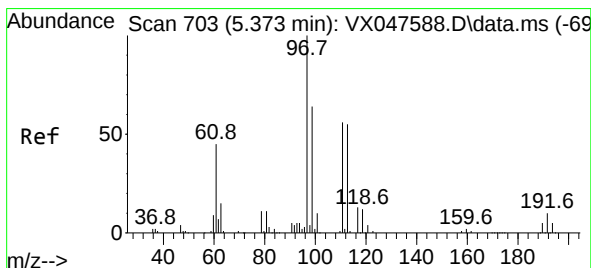
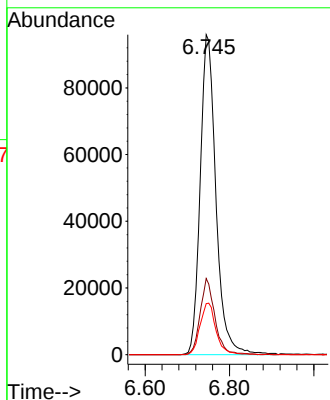
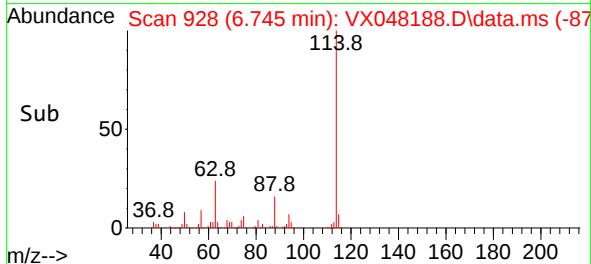
Instrument :
MSVOA_X
ClientSampleId :
TANK-FARM-SOIL



Tgt Ion:114 Resp: 249438
Ion Ratio Lower Upper
114 100
63 23.8 0.0 44.0
88 16.0 0.0 34.2

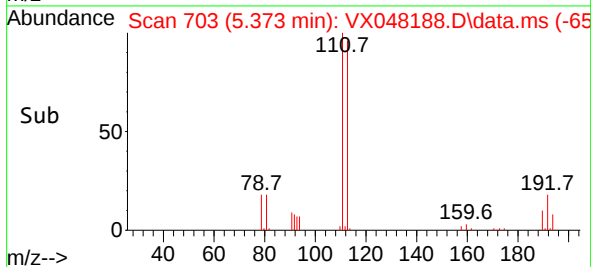
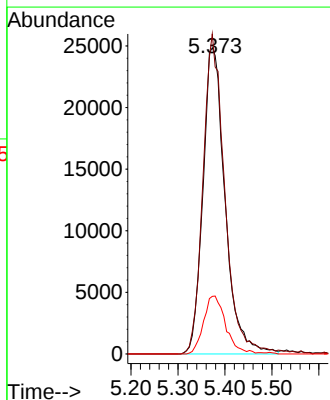
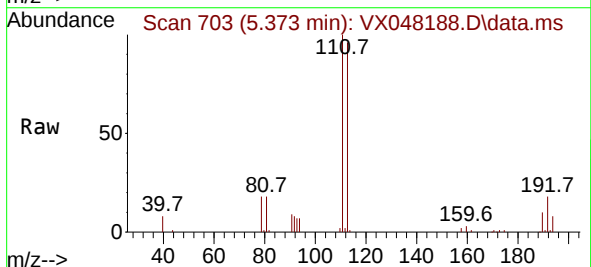
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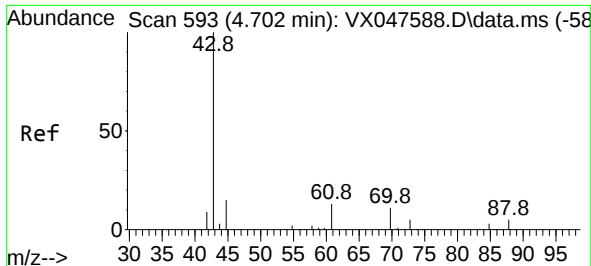
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#35
Dibromofluoromethane
Concen: 48.639 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

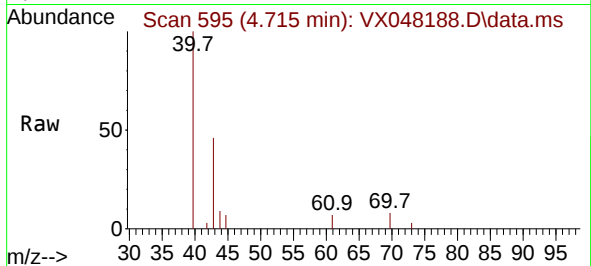
Tgt Ion:113 Resp: 81366
Ion Ratio Lower Upper
113 100
111 102.9 80.9 121.3
192 18.9 14.2 21.4





#37
Ethyl Acetate
Concen: 1.584 ug/l m
RT: 4.715 min Scan# 593
Delta R.T. 0.012 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

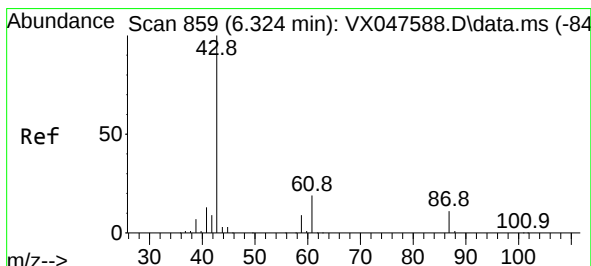
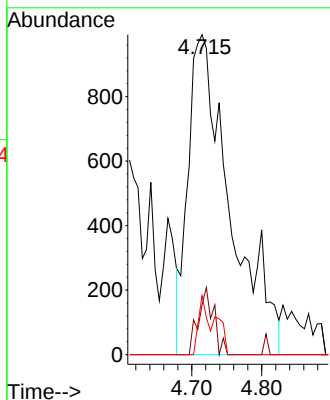
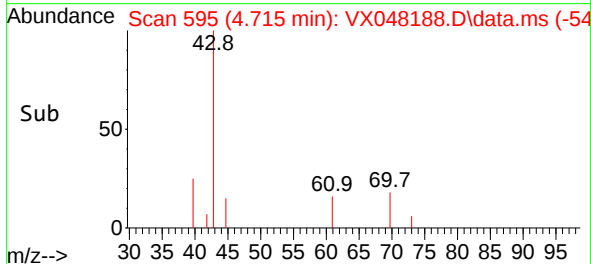
Instrument :
MSVOA_X
ClientSampleId :
TANK-FARM-SOIL



Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
61 7.6 9.8 14.8
70 4.1 7.9 11.9

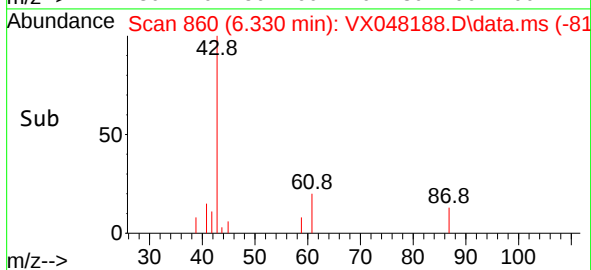
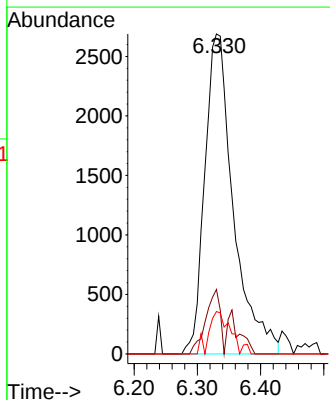
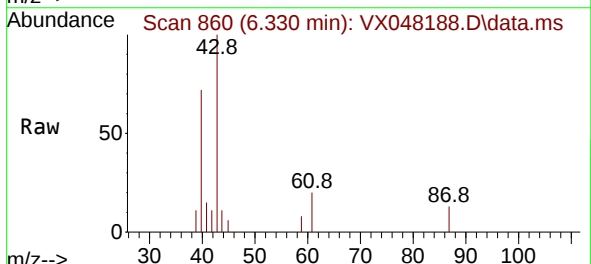
Manual Integrations
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#43
Isopropyl Acetate
Concen: 1.968 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

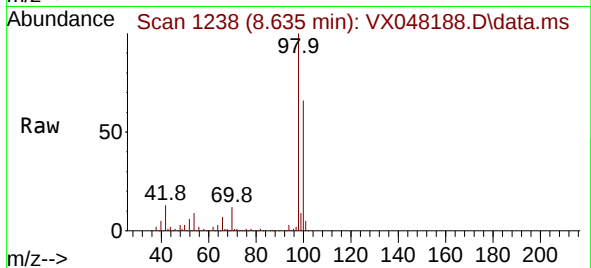
Tgt Ion: 43 Resp: 8446
Ion Ratio Lower Upper
43 100
61 10.2 15.2 22.8
87 10.1 9.6 14.4





#50
Toluene-d8
Concen: 50.772 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

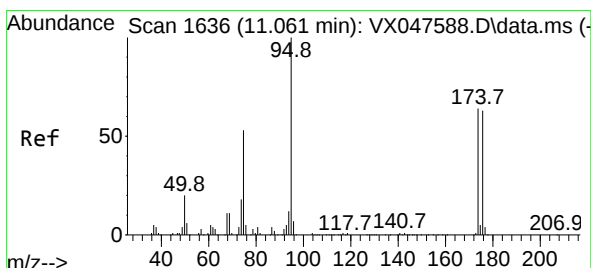
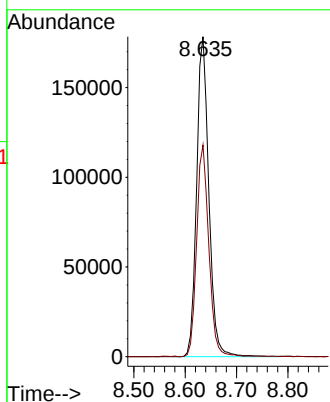
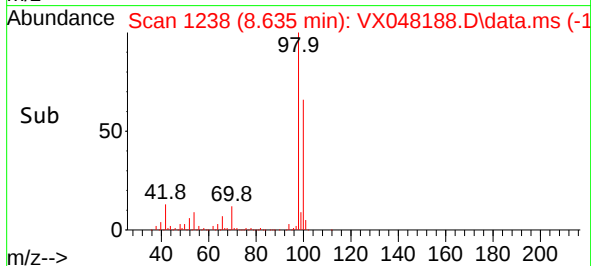
Instrument :
MSVOA_X
ClientSampleId :
TANK-FARM-SOIL



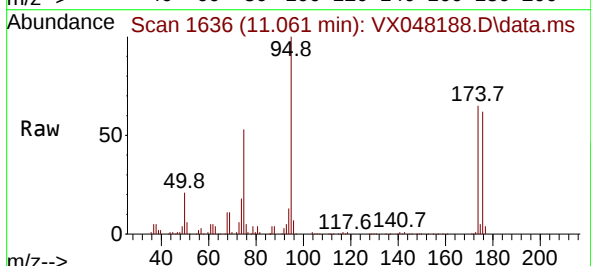
Tgt Ion: 98 Resp: 293894
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

Manual Integrations
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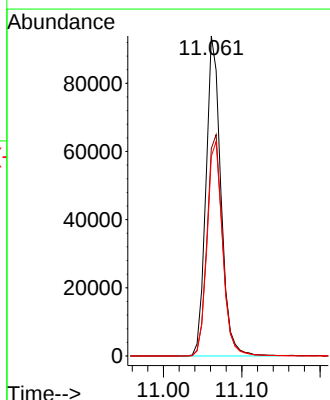
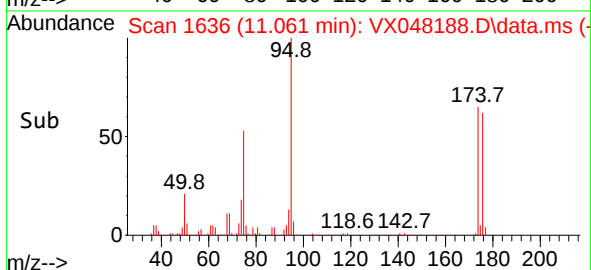
Reviewed By :John Carlone 10/17/2025
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#62
4-Bromofluorobenzene
Concen: 56.371 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15



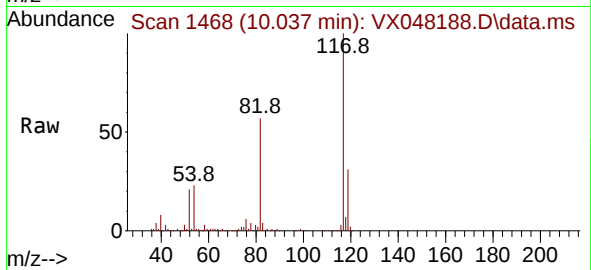
Tgt Ion: 95 Resp: 123837
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 69.6 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15

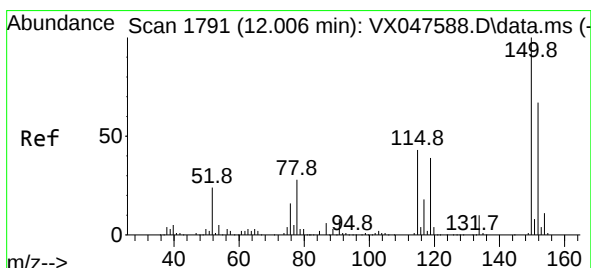
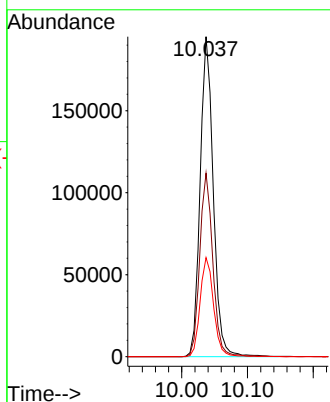
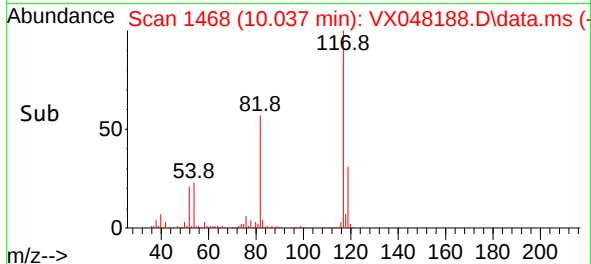
Instrument :
MSVOA_X
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TANK-FARM-SOIL



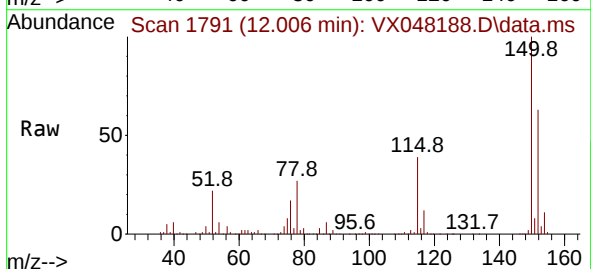
Tgt Ion:117 Resp: 27097
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.6
119 31.0 25.2 37.8

Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048188.D
Acq: 15 Oct 2025 14:15



Tgt Ion:152 Resp: 131653
Ion Ratio Lower Upper
152 100
115 61.8 44.9 134.5
150 156.8 0.0 352.0

