

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046943.D
 Acq On : 10 Jul 2025 14:43
 Operator : JC/MD
 Sample : Q2553-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AOC-201

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:30:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	320576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	555832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	518959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	227982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	217617	51.384	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.760%			
35) Dibromofluoromethane	5.397	113	185290	49.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.220%			
50) Toluene-d8	8.653	98	662636	49.777	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.560%			
62) 4-Bromofluorobenzene	11.079	95	264843	52.348	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.700%			
Target Compounds					Qvalue	
16) Acetone	2.386	43	10705m	8.137	ug/l	
17) Carbon Disulfide	2.532	76	8591	0.942	ug/l #	93
31) Cyclohexane	5.501	56	117963	19.486	ug/l #	65
39) Methylcyclohexane	7.385	83	306674	48.160	ug/l	95
67) Ethyl Benzene	10.195	91	641493	33.385	ug/l	100
68) m/p-Xylenes	10.305	106	8724	1.205	ug/l #	1
69) o-Xylene	10.646	106	2362	0.338	ug/l	78
73) Isopropylbenzene	10.963	105	1326524	82.771	ug/l	100
78) n-propylbenzene	11.305	91	5453332	282.194	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	603526	46.346	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	8885482	675.065	ug/l	98
85) sec-Butylbenzene	11.890	105	423115	24.951	ug/l	95
86) p-Isopropyltoluene	12.006	119	110221	7.762	ug/l #	76
89) n-Butylbenzene	12.329	91	459428m	34.432	ug/l	

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

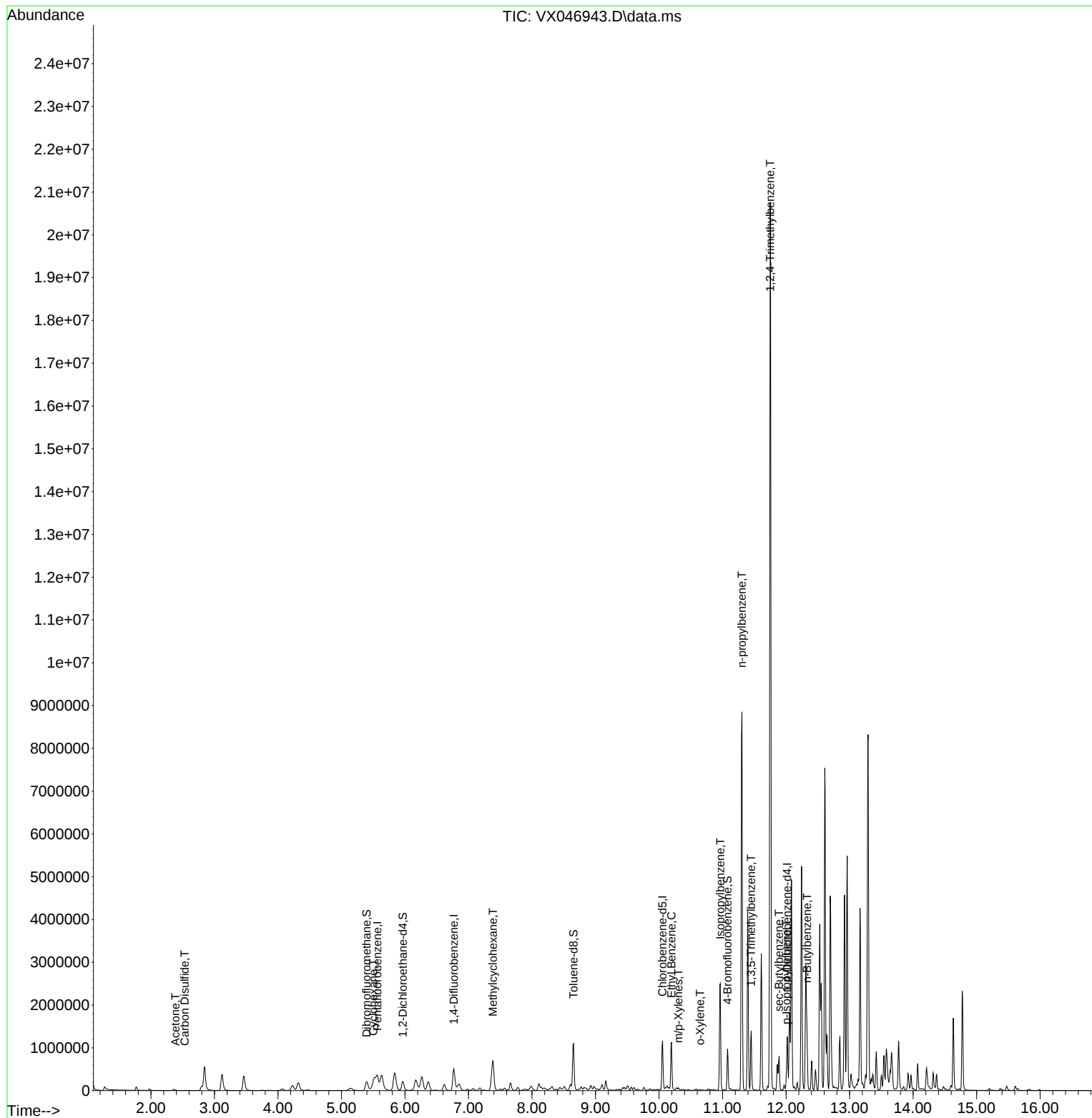
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046943.D
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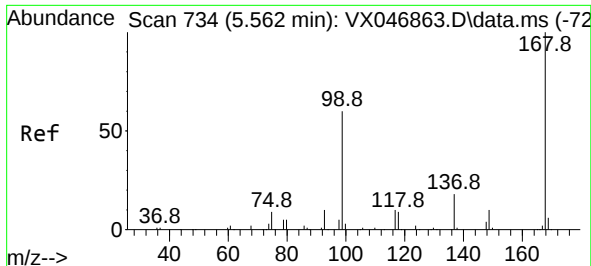
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jul 11 01:30:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

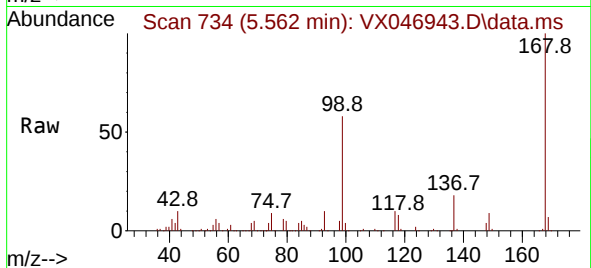
Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

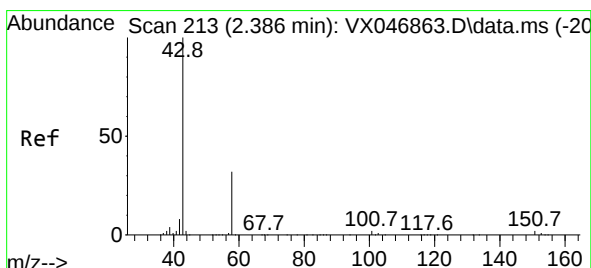
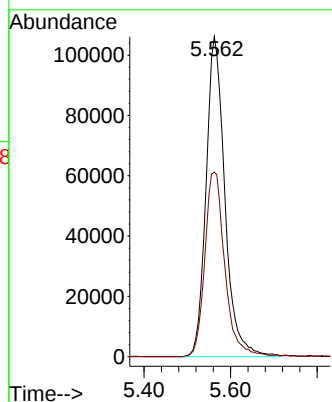
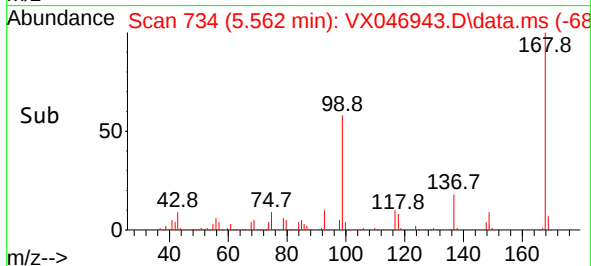
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



Tgt Ion:168 Resp: 320570
Ion Ratio Lower Upper
168 100
99 57.7 48.8 73.2

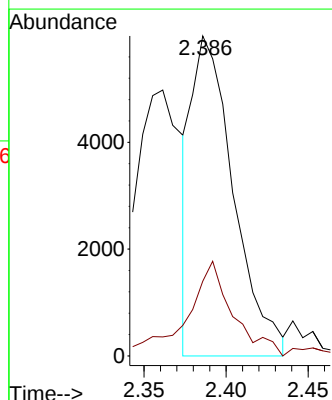
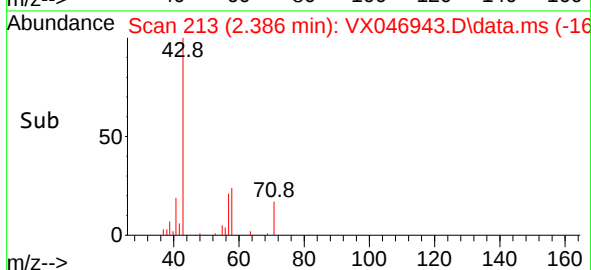
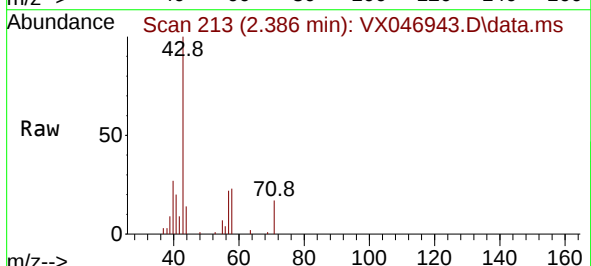
Manual Integrations
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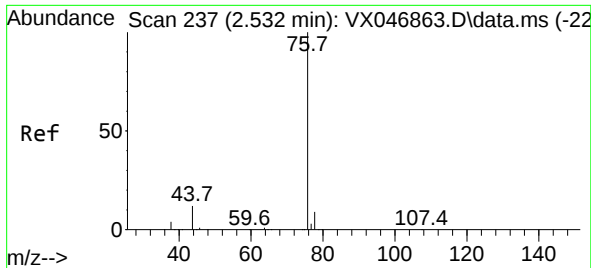
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#16
Acetone
Concen: 8.137 ug/l m
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

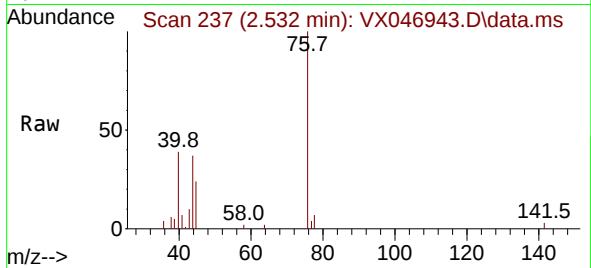
Tgt Ion: 43 Resp: 10705
Ion Ratio Lower Upper
43 100
58 23.3 25.8 38.6#





#17
Carbon Disulfide
Concen: 0.942 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

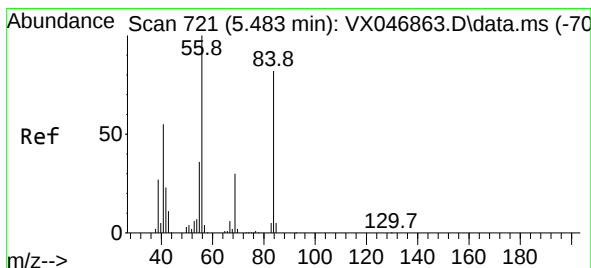
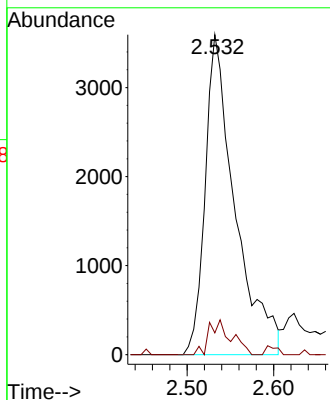
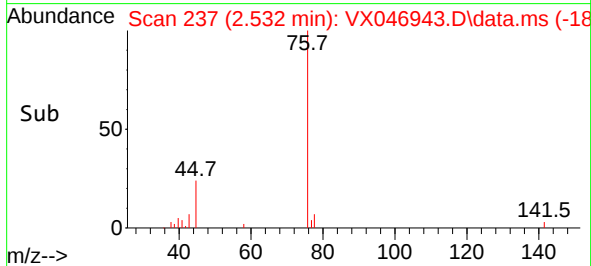
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



Tgt Ion: 76 Resp: 859
Ion Ratio Lower Upper
76 100
78 6.8 7.4 11.2

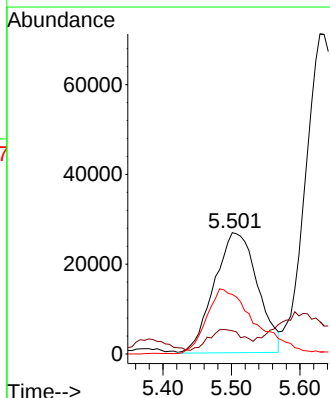
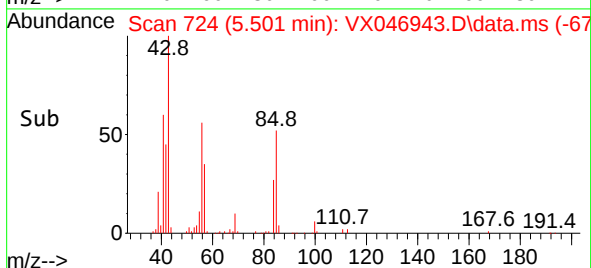
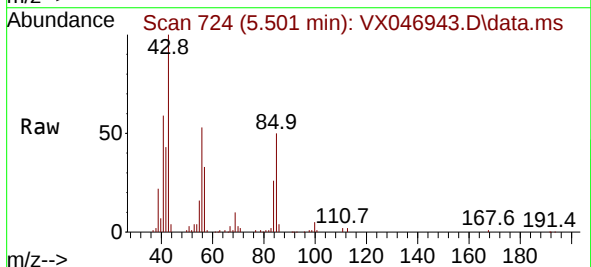
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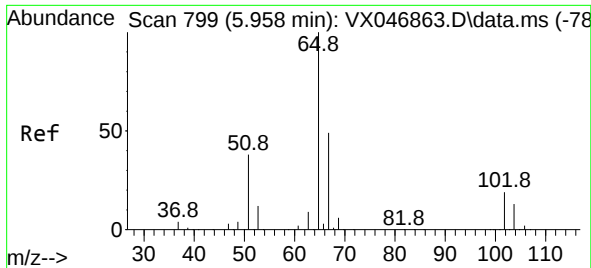
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#31
Cyclohexane
Concen: 19.486 ug/l
RT: 5.501 min Scan# 724
Delta R.T. 0.018 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

Tgt Ion: 56 Resp: 117963
Ion Ratio Lower Upper
56 100
69 14.2 24.0 36.0#
84 49.4 66.5 99.7#





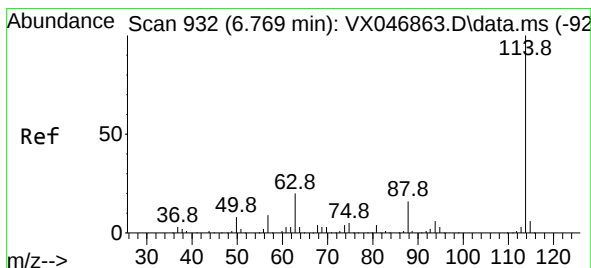
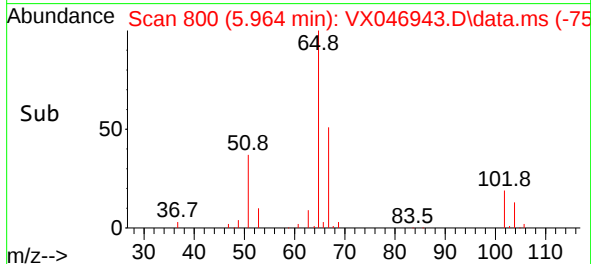
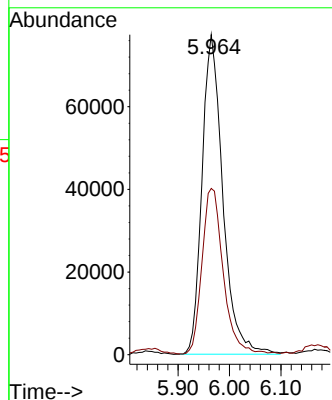
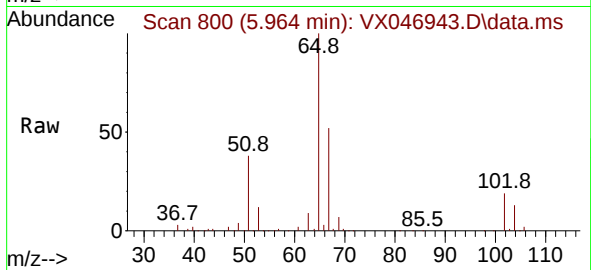
#33
 1,2-Dichloroethane-d4
 Concen: 51.384 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX046943.D
 Acq: 10 Jul 2025 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 AOC-201

Tgt Ion: 65 Resp: 21761
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.2

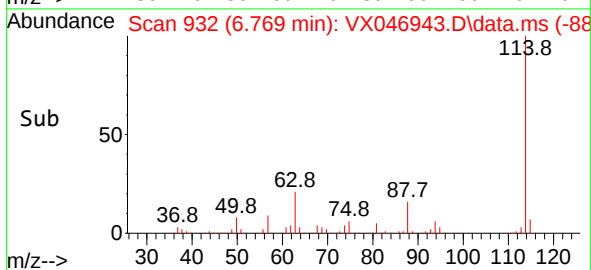
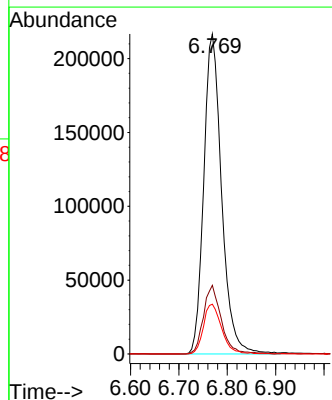
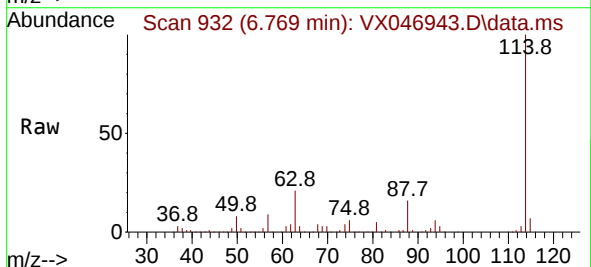
Manual Integrations
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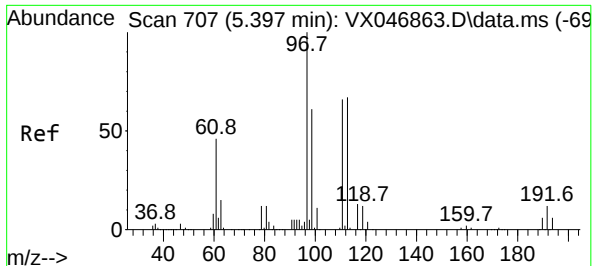
Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX046943.D
 Acq: 10 Jul 2025 14:43

Tgt Ion:114 Resp: 555832
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.4
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.109 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046943.D

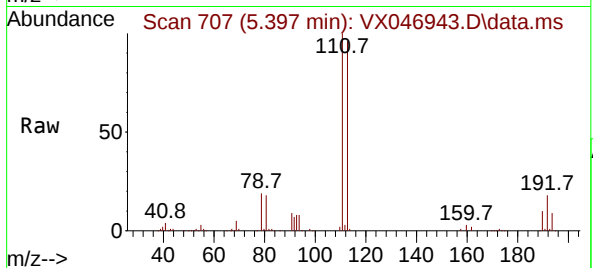
Acq: 10 Jul 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

AOC-201



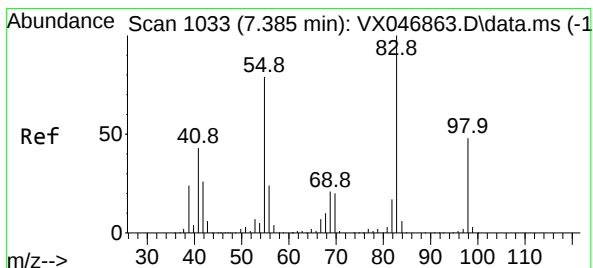
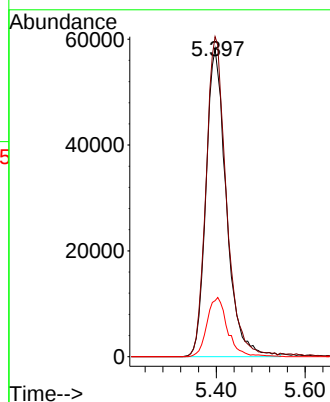
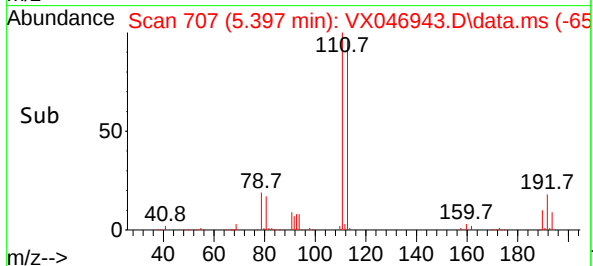
Tgt Ion:	113	Resp:	185290
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.2	121.8
192	19.5	15.3	22.9

Manual Integrations

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Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#39

Methylcyclohexane

Concen: 48.160 ug/l

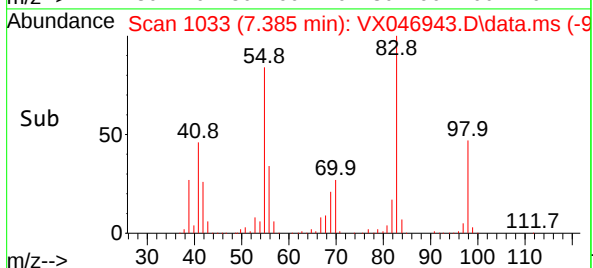
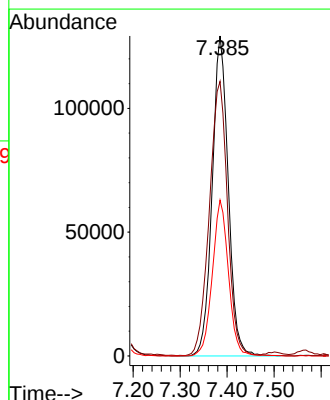
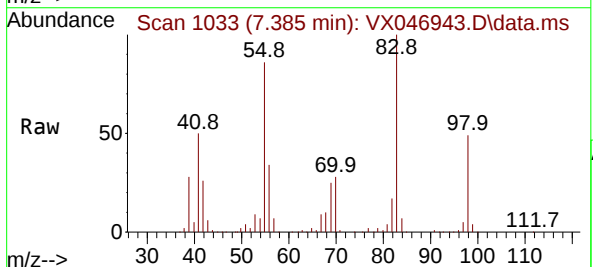
RT: 7.385 min Scan# 1033

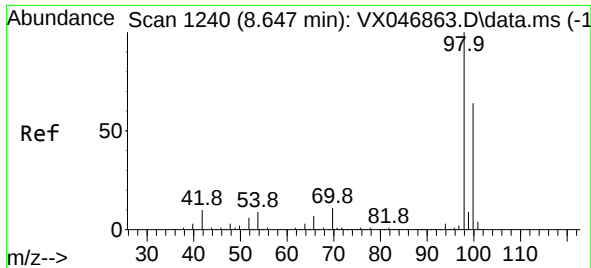
Delta R.T. -0.000 min

Lab File: VX046943.D

Acq: 10 Jul 2025 14:43

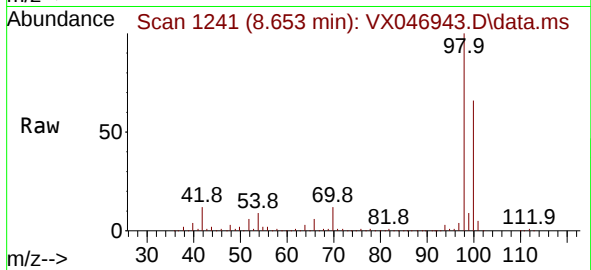
Tgt Ion:	83	Resp:	306674
Ion	Ratio	Lower	Upper
83	100		
55	85.6	63.0	94.4
98	48.7	38.5	57.7





#50
Toluene-d8
Concen: 49.777 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

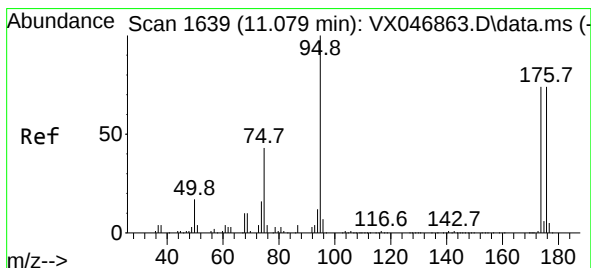
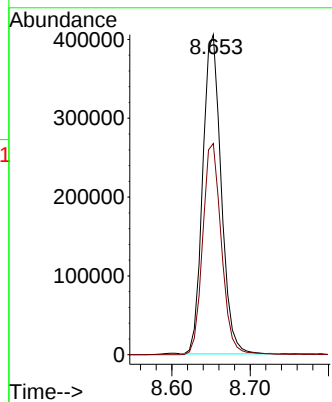
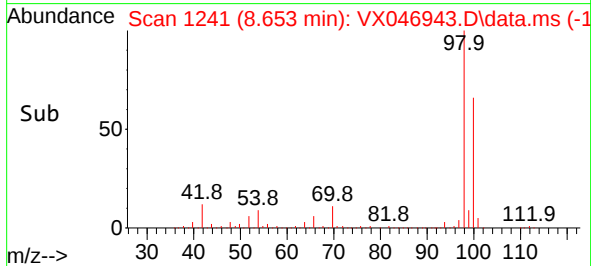
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



Tgt Ion: 98 Resp: 662630
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.6

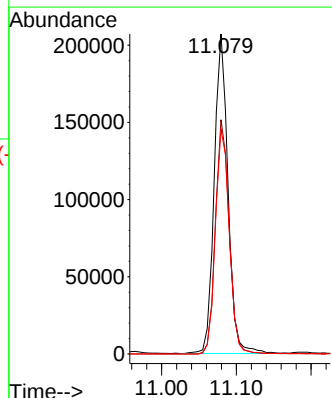
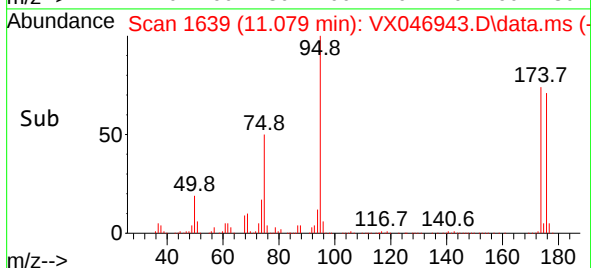
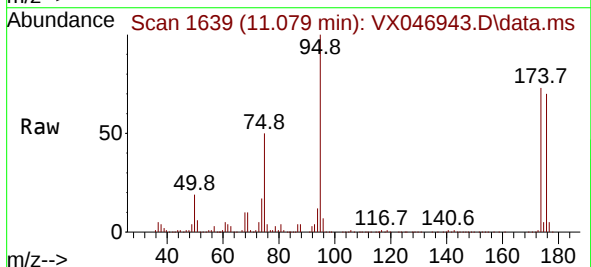
Manual Integrations
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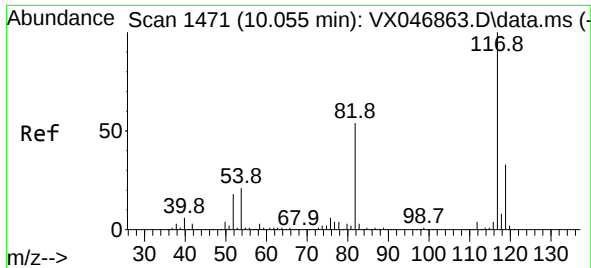
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#62
4-Bromofluorobenzene
Concen: 52.348 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

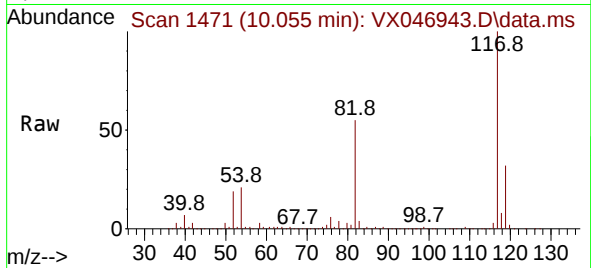
Tgt Ion: 95 Resp: 264843
Ion Ratio Lower Upper
95 100
174 73.4 0.0 152.0
176 71.2 0.0 145.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

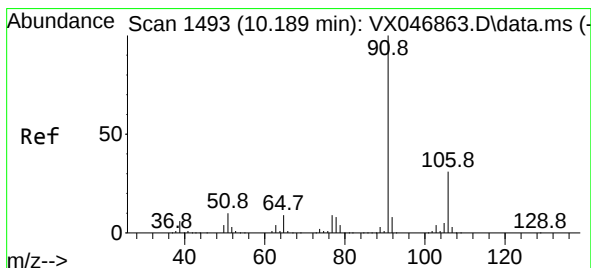
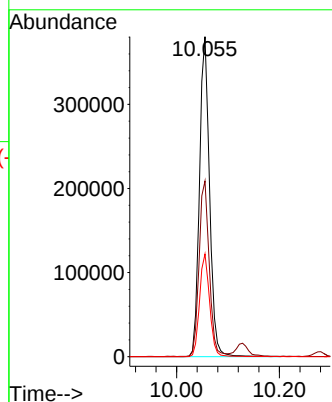
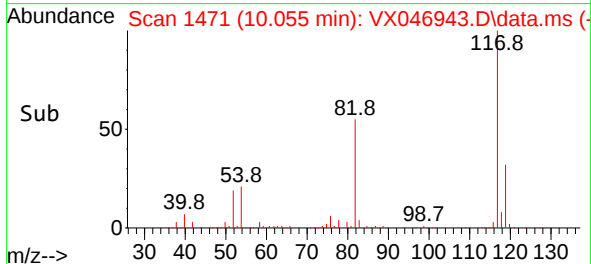
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



Tgt Ion:117 Resp: 518959
Ion Ratio Lower Upper
117 100
82 54.8 43.3 64.9
119 32.1 26.4 39.6

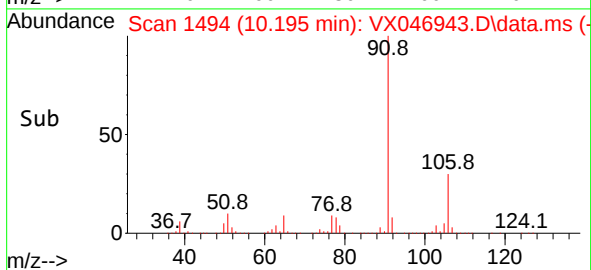
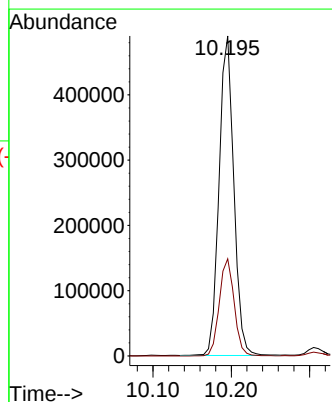
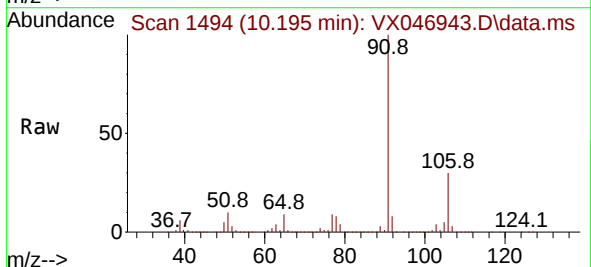
Manual Integrations
APPROVED

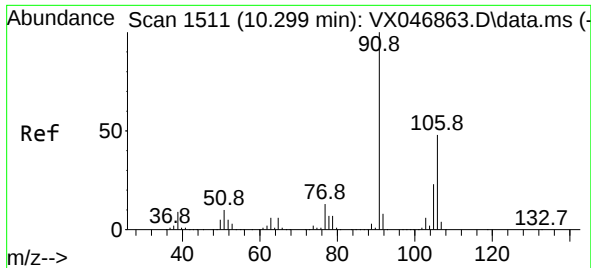
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#67
Ethyl Benzene
Concen: 33.385 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

Tgt Ion: 91 Resp: 641493
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6





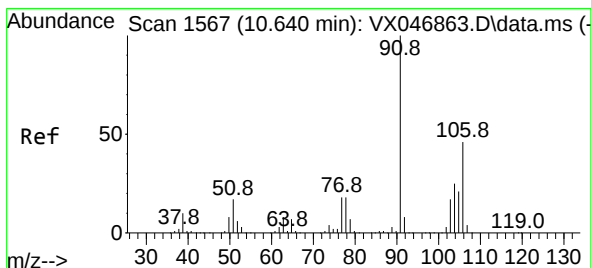
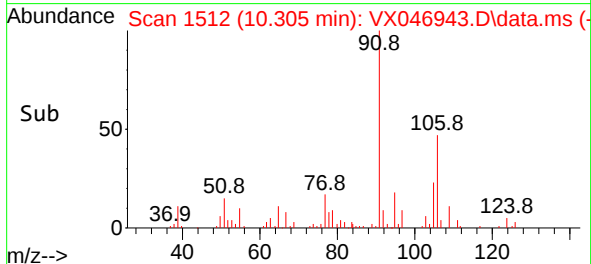
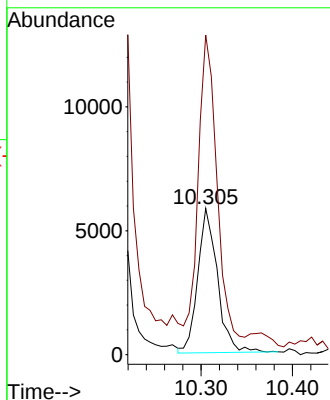
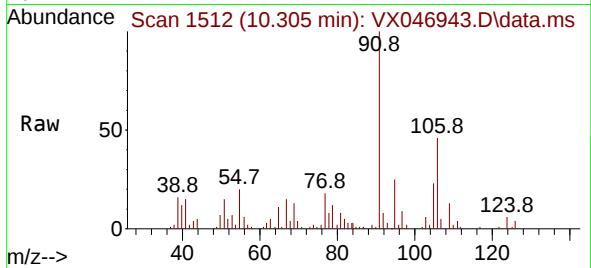
#68
m/p-Xylenes
Concen: 1.205 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

Instrument :
MSVOA_X
ClientSampleId :
AOC-201

Tgt Ion:106 Resp: 8724
Ion Ratio Lower Upper
106 100
91 0.0 164.6 246.8

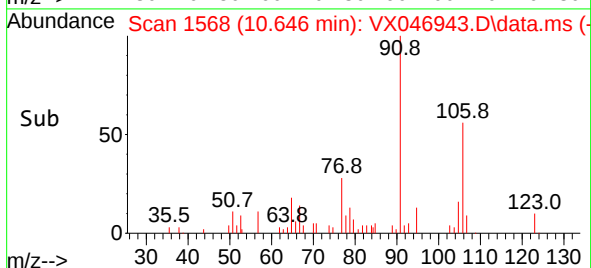
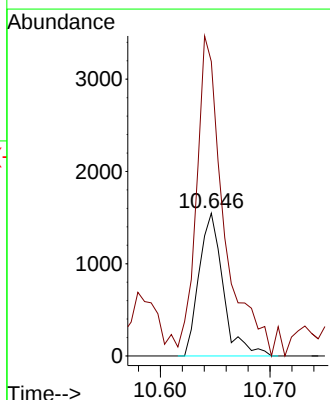
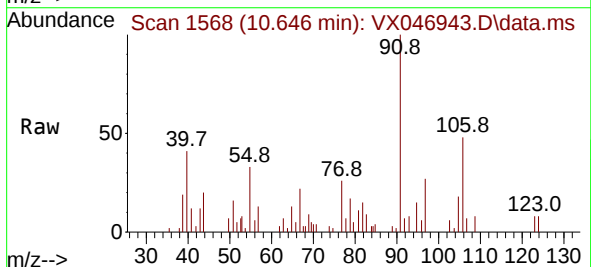
Manual Integrations
APPROVED

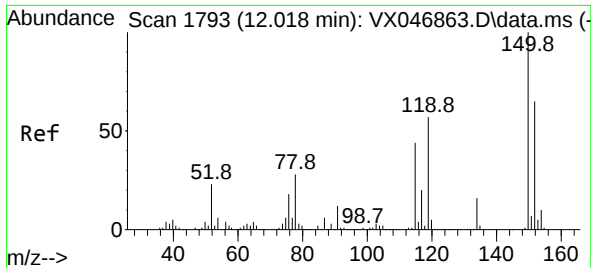
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#69
o-Xylene
Concen: 0.338 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

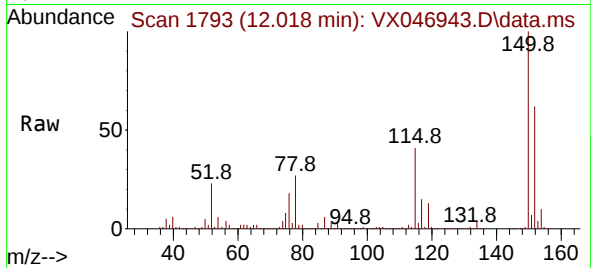
Tgt Ion:106 Resp: 2362
Ion Ratio Lower Upper
106 100
91 253.9 109.5 328.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

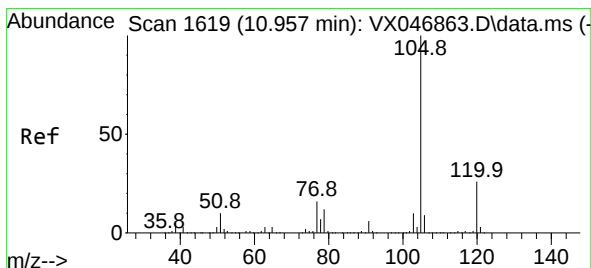
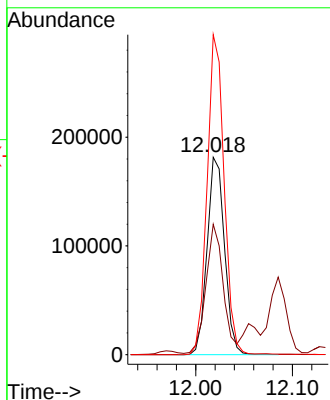
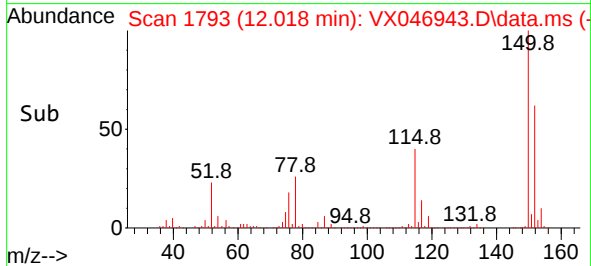
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



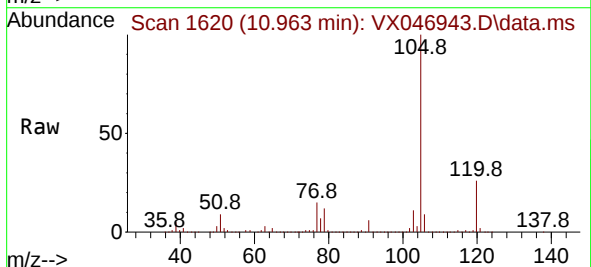
Tgt Ion:152 Resp: 22798
Ion Ratio Lower Upper
152 100
115 64.5 42.4 127.1
150 158.2 0.0 349.2

Manual Integrations
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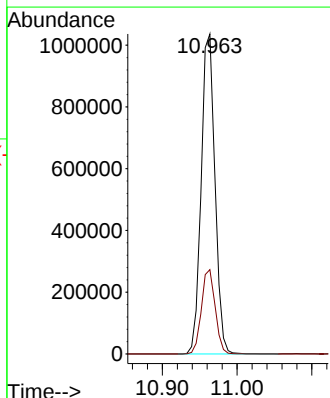
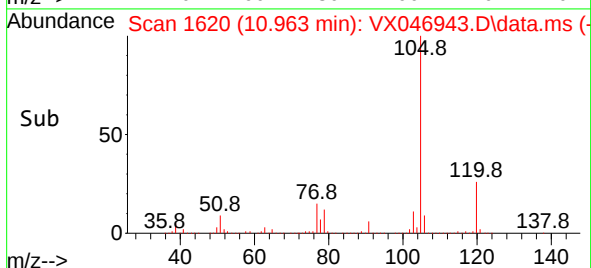
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

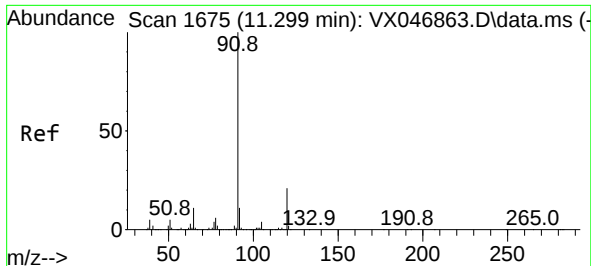


#73
Isopropylbenzene
Concen: 82.771 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43



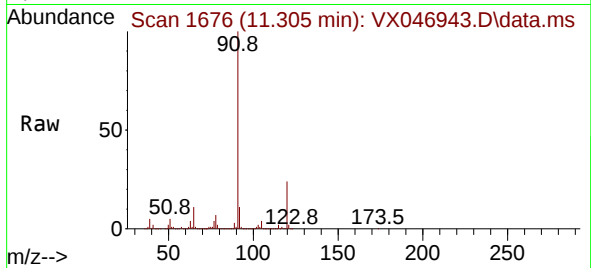
Tgt Ion:105 Resp: 1326524
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5





#78
n-propylbenzene
Concen: 282.194 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

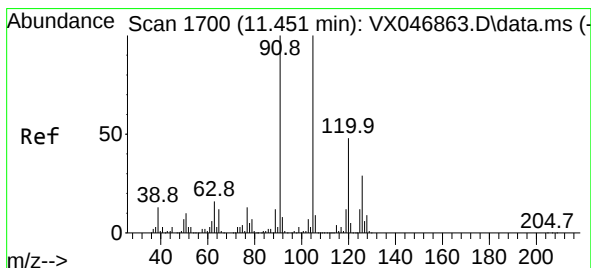
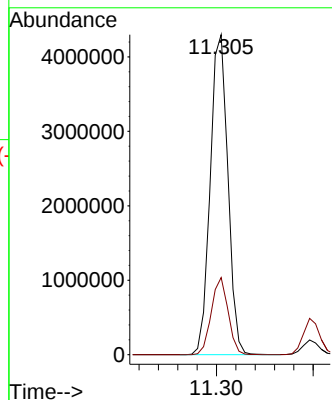
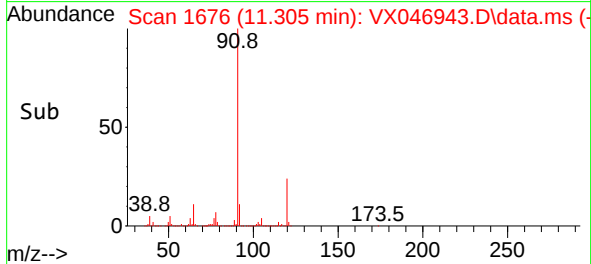
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



Tgt Ion: 91 Resp: 545333
Ion Ratio Lower Upper
91 100
120 22.9 11.2 33.5

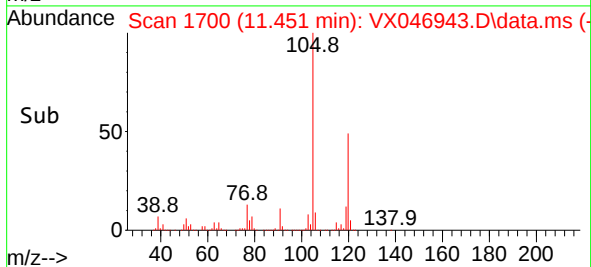
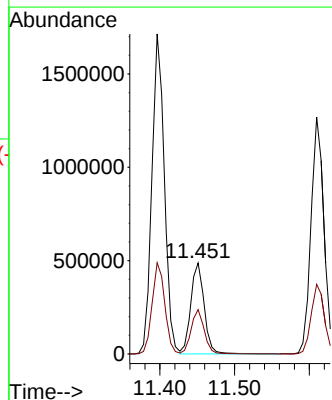
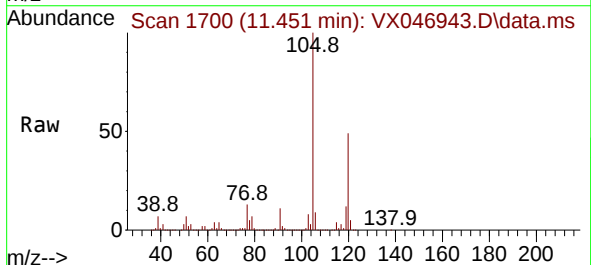
Manual Integrations
APPROVED

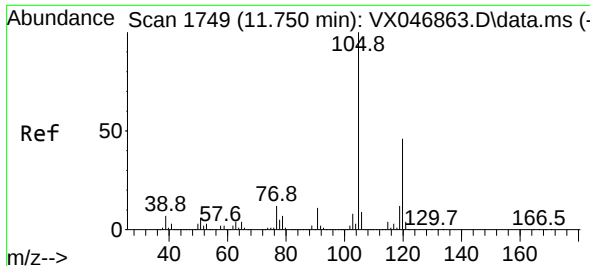
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 46.346 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

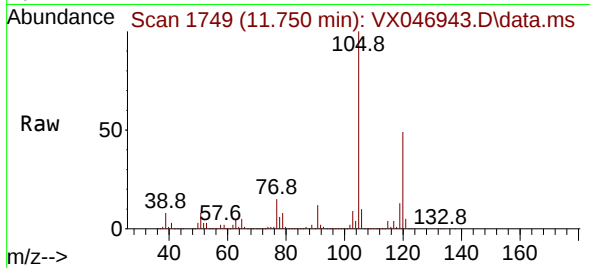
Tgt Ion:105 Resp: 603526
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.4





#84
1,2,4-Trimethylbenzene
Concen: 675.065 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

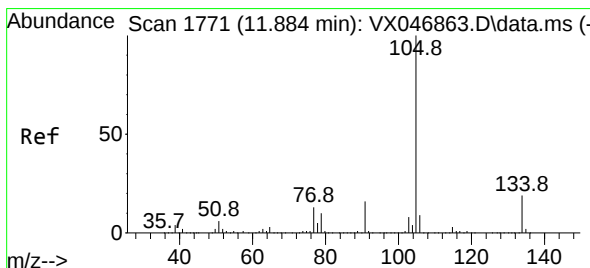
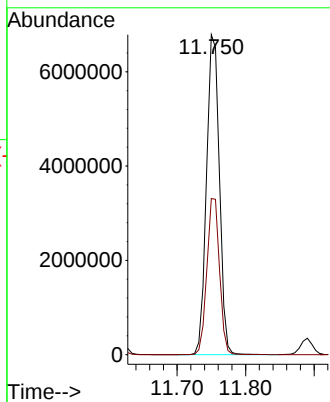
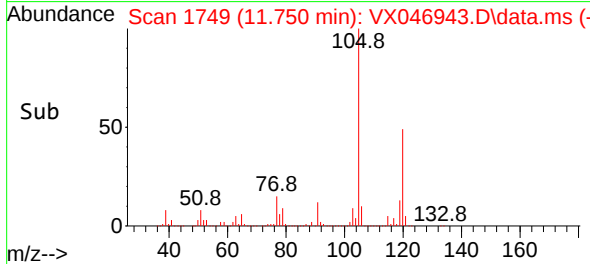
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



Tgt Ion:105 Resp: 888548
Ion Ratio Lower Upper
105 100
120 48.1 23.3 69.8

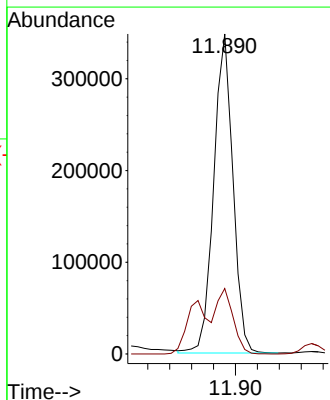
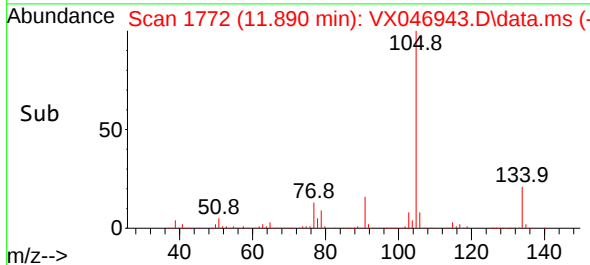
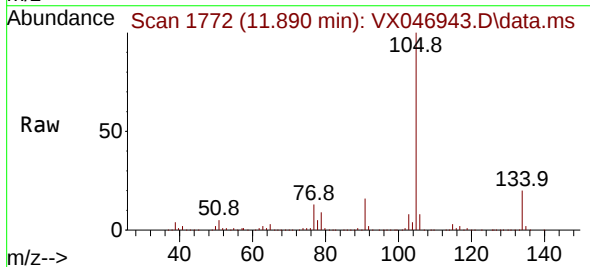
Manual Integrations
APPROVED

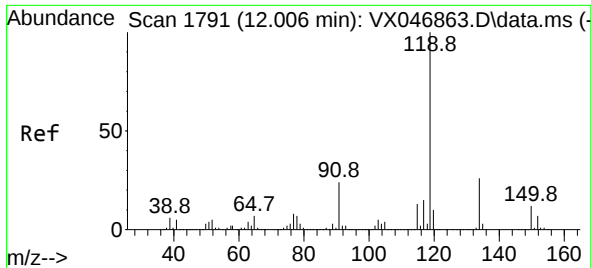
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#85
sec-Butylbenzene
Concen: 24.951 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.006 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

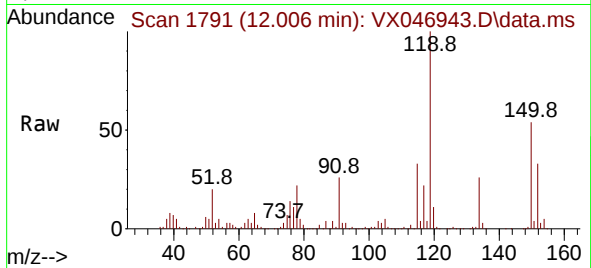
Tgt Ion:105 Resp: 423115
Ion Ratio Lower Upper
105 100
134 17.5 9.9 29.7





#86
p-Isopropyltoluene
Concen: 7.762 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43

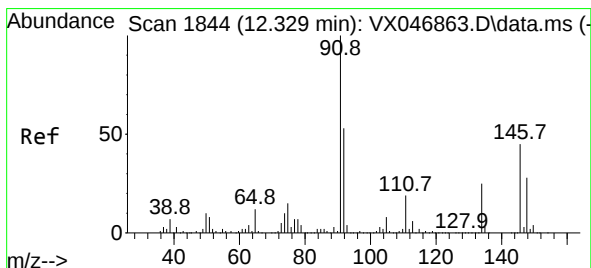
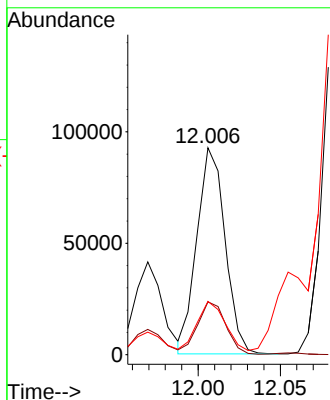
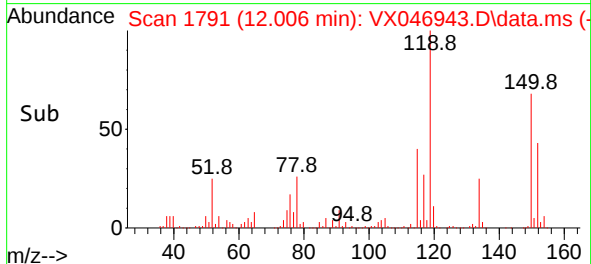
Instrument :
MSVOA_X
ClientSampleId :
AOC-201



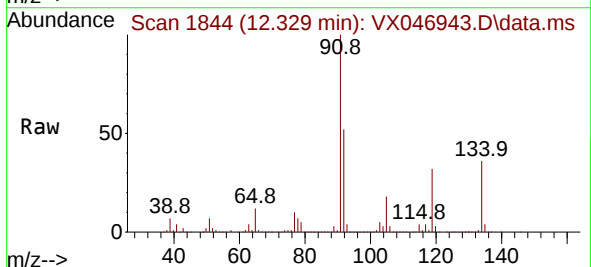
Tgt Ion:119 Resp: 11022
Ion Ratio Lower Upper
119 100
134 25.5 13.0 39.0
91 0.0 12.0 36.1

Manual Integrations
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Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#89
n-Butylbenzene
Concen: 34.432 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046943.D
Acq: 10 Jul 2025 14:43



Tgt Ion: 91 Resp: 459428
Ion Ratio Lower Upper
91 100
92 59.7 27.0 81.0
134 107.7 12.8 38.4

