

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077402.D
 Acq On : 24 Oct 2023 18:37
 Operator : JC/SY
 Sample : 05005-04
 Misc : 5.16G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N-3(0-5)

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 04:08:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	127490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	236017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	195065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	84569	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59823	52.550	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.804	113	78702	47.465	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.920%			
50) Toluene-d8	10.269	98	227447	38.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 76.600%			
62) 4-Bromofluorobenzene	12.575	95	80739	47.233	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.460%			
Target Compounds						Qvalue
16) Acetone	4.028	43	16574	66.392	ug/l	99
17) Carbon Disulfide	4.275	76	29517	6.840	ug/l	96
18) Methyl Acetate	4.558	43	5976m	6.878	ug/l	
20) Methylene Chloride	4.793	84	17229	7.332	ug/l	90
25) 2-Butanone	7.087	43	4786	18.482	ug/l #	85
40) Benzene	8.251	78	25604	3.872	ug/l	99
67) Ethyl Benzene	11.687	91	124600	17.678	ug/l	94
68) m/p-Xylenes	11.798	106	4599	1.589	ug/l	79
69) o-Xylene	12.122	106	10725	4.025	ug/l	57
73) Isopropylbenzene	12.422	105	3146022	562.413	ug/l	97
78) n-propylbenzene	12.757	91	17209787	2554.623	ug/l	76
80) 1,3,5-Trimethylbenzene	12.904	105	2517744	545.429	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	5308533	1142.216	ug/l	99
85) sec-Butylbenzene	13.345	105	2935477	476.657	ug/l #	58
86) p-Isopropyltoluene	13.469	119	135014m	25.236	ug/l	
89) n-Butylbenzene	13.786	91	3255886	698.888	ug/l #	76

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

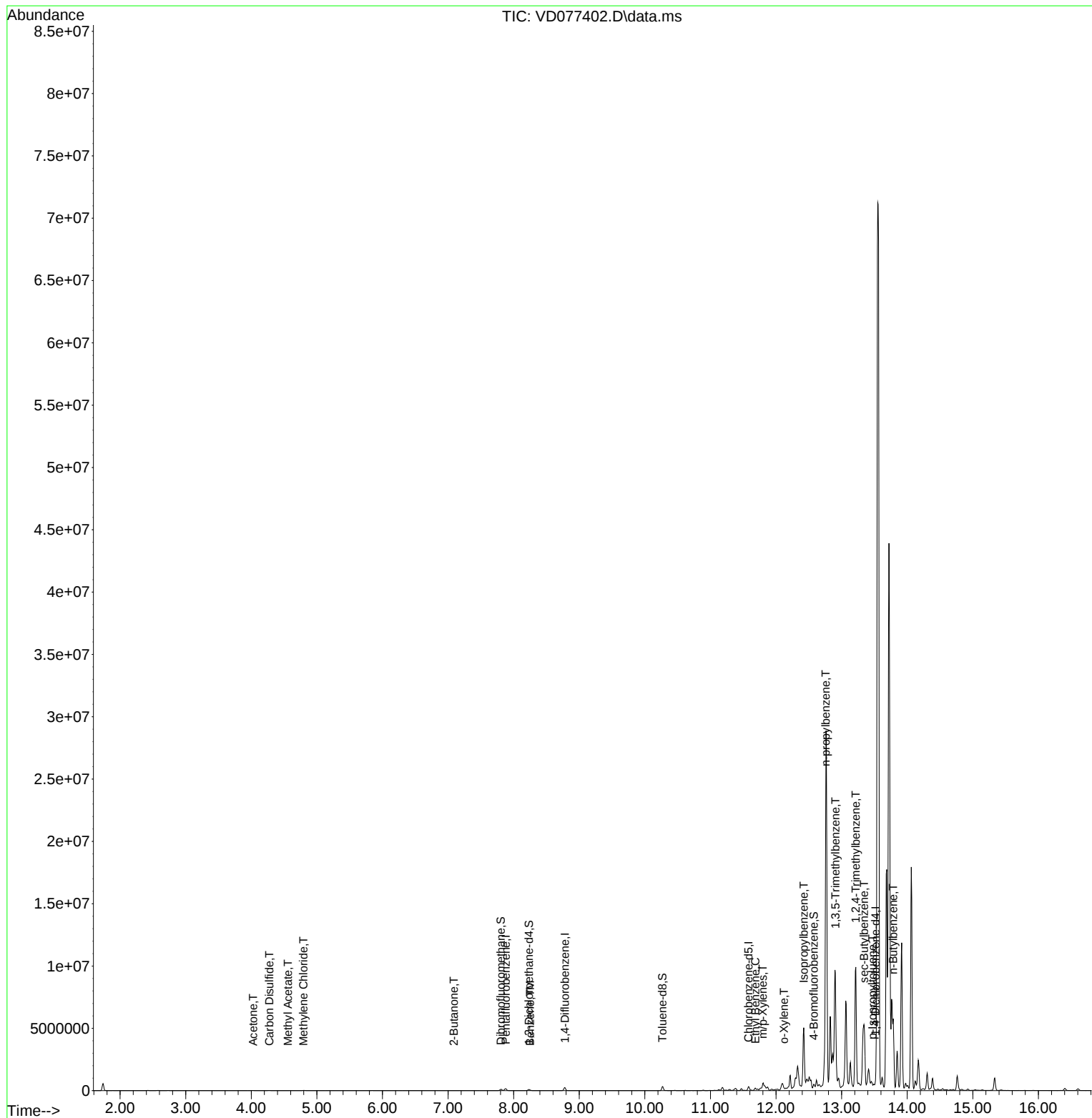
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
Data File : VD077402.D
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Operator : JC/SY
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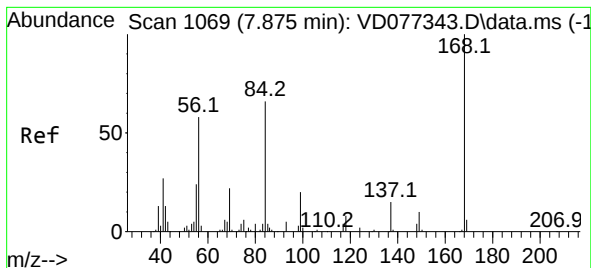
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)

Quant Time: Oct 25 04:08:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 10/25/2023





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077402.D

Acq: 24 Oct 2023 18:37

Instrument :

MSVOA_D

ClientSampleId :

N-3(0-5)

Tgt Ion:168 Resp: 127490

Ion Ratio Lower Upper

168 100

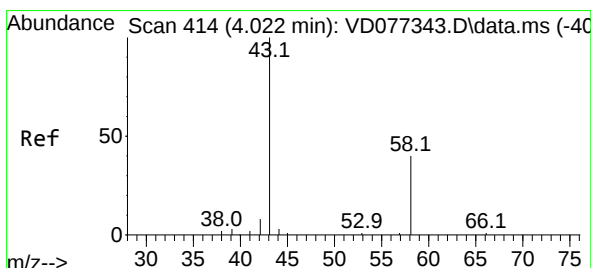
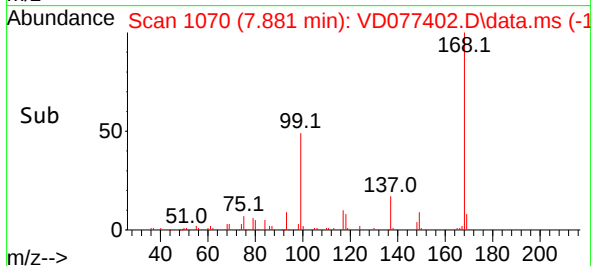
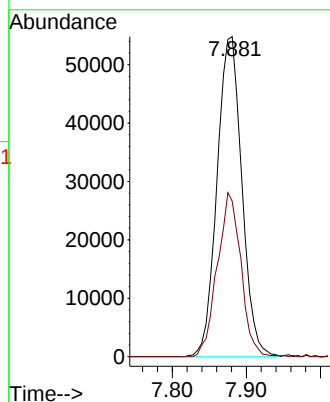
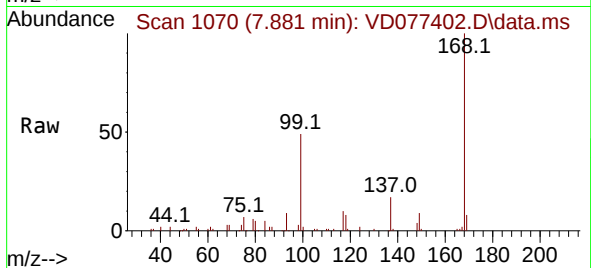
99 48.6 36.7 55.1

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 10/25/2023



#16

Acetone

Concen: 66.392 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD077402.D

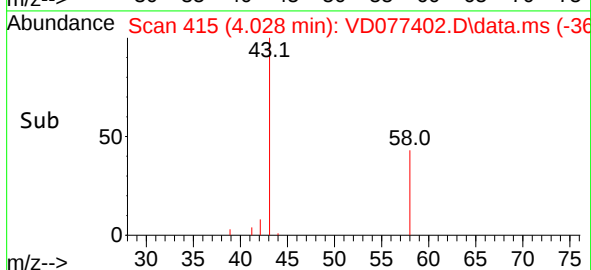
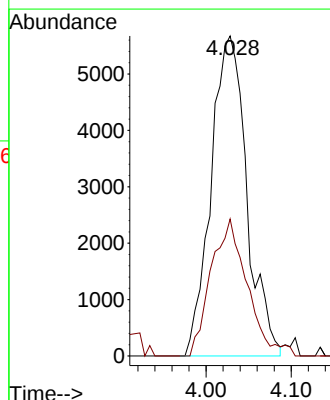
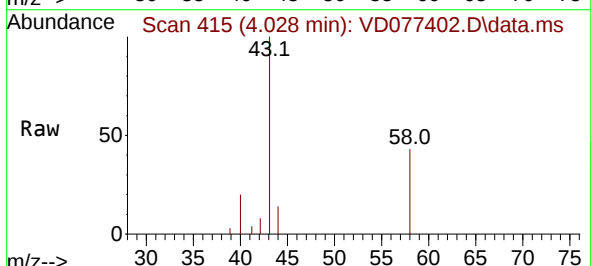
Acq: 24 Oct 2023 18:37

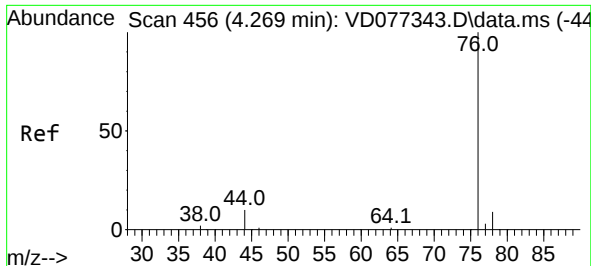
Tgt Ion: 43 Resp: 16574

Ion Ratio Lower Upper

43 100

58 42.8 34.7 52.1





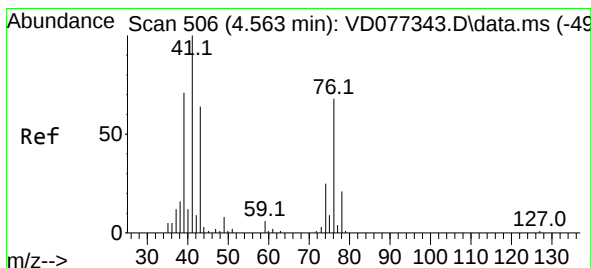
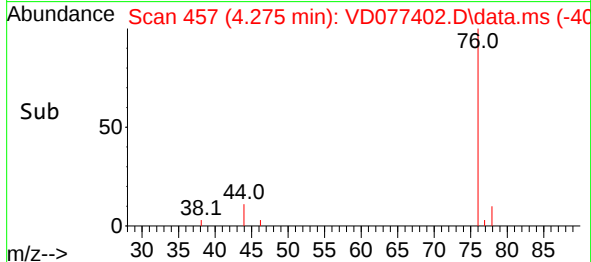
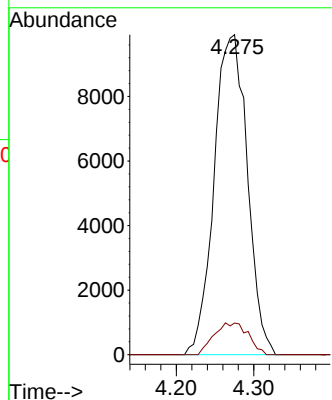
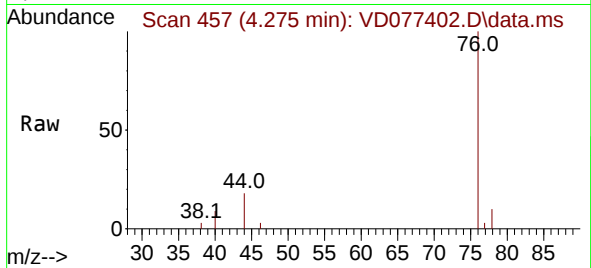
#17
Carbon Disulfide
Concen: 6.840 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)

Tgt Ion: 76 Resp: 2951
Ion Ratio Lower Upper
76 100
78 9.9 6.8 10.2

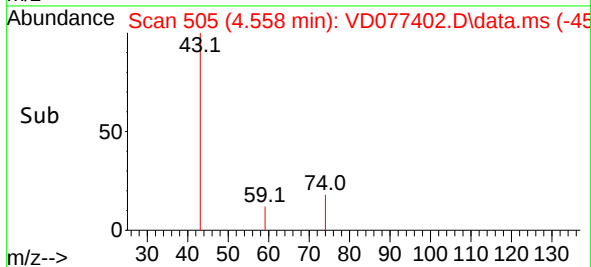
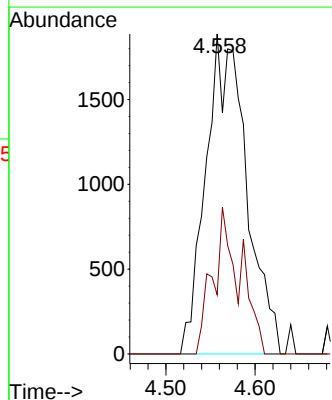
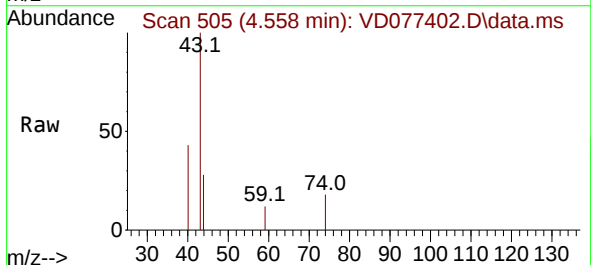
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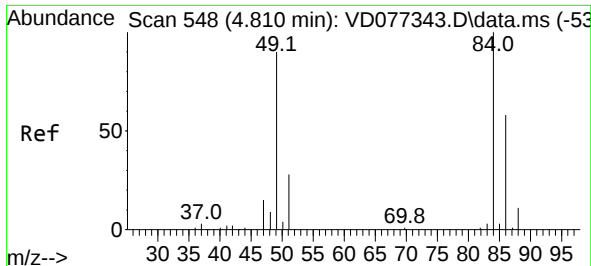
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#18
Methyl Acetate
Concen: 6.878 ug/l m
RT: 4.558 min Scan# 505
Delta R.T. -0.005 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

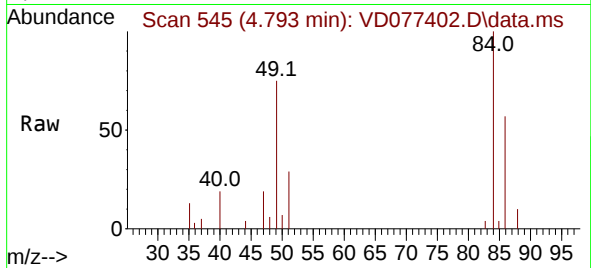
Tgt Ion: 43 Resp: 5976
Ion Ratio Lower Upper
43 100
74 22.2 26.4 39.6#





#20
Methylene Chloride
Concen: 7.332 ug/l
RT: 4.793 min Scan# 548
Delta R.T. -0.017 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

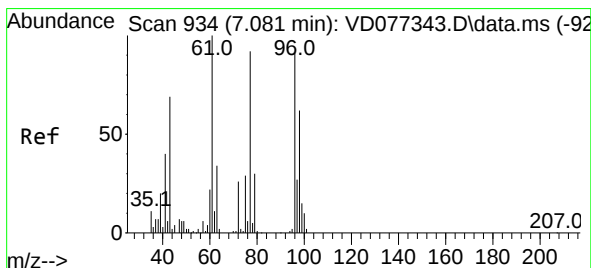
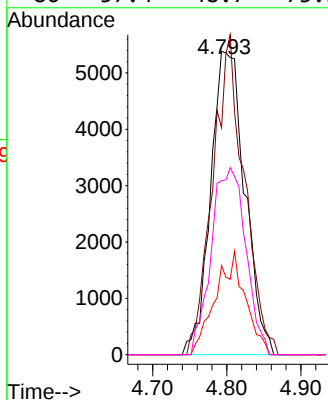
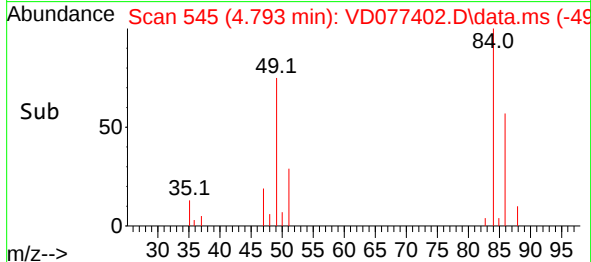
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)



Tgt Ion: 84 Resp: 17229
Ion Ratio Lower Upper
84 100
49 74.9 71.4 107.2
51 29.3 24.5 36.7
86 57.4 48.7 73.1

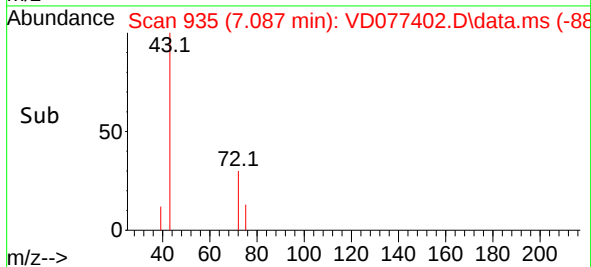
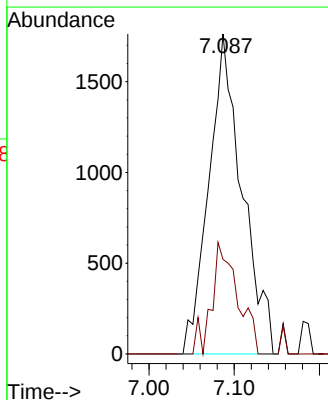
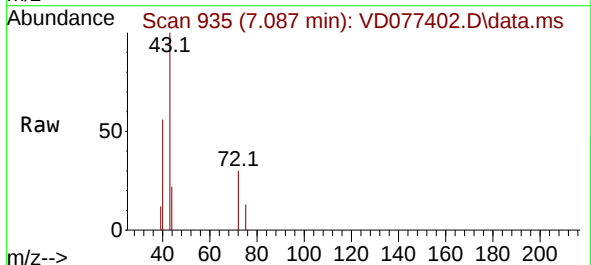
Manual Integrations
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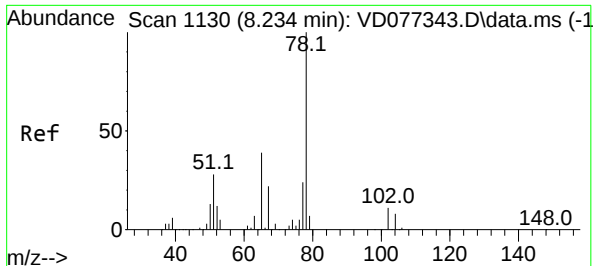
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#25
2-Butanone
Concen: 18.482 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

Tgt Ion: 43 Resp: 4786
Ion Ratio Lower Upper
43 100
72 29.6 30.7 46.1#





#33

1,2-Dichloroethane-d4

Concen: 52.550 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077402.D

Acq: 24 Oct 2023 18:37

Instrument :

MSVOA_D

ClientSampleId :

N-3(0-5)

Tgt Ion: 65 Resp: 5982

Ion Ratio Lower Upper

65 100

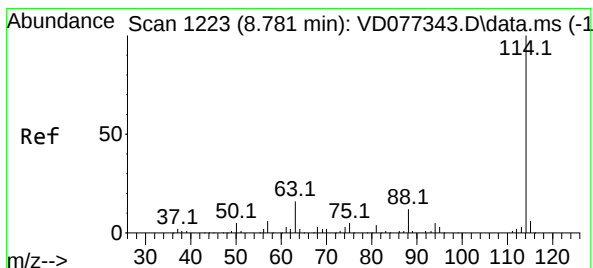
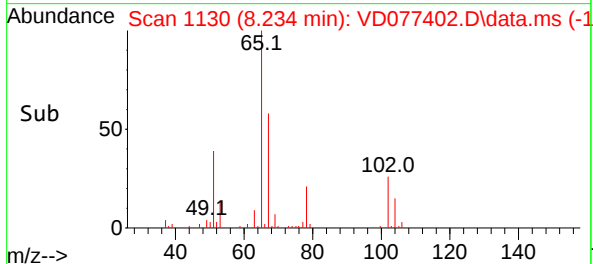
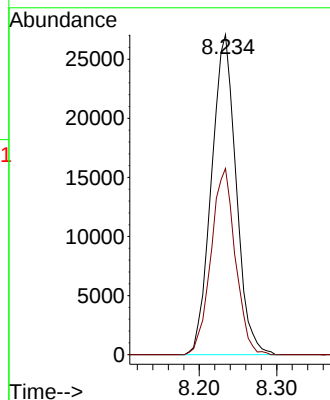
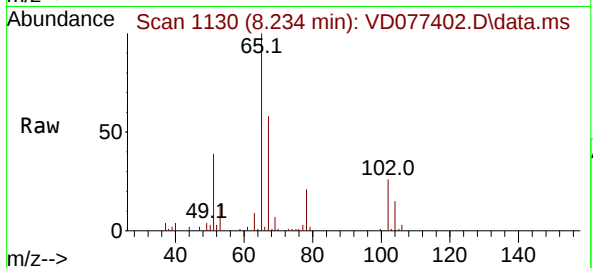
67 57.4 0.0 115.0

Manual Integrations

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Supervised By :Mahesh Dadoda 10/25/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD077402.D

Acq: 24 Oct 2023 18:37

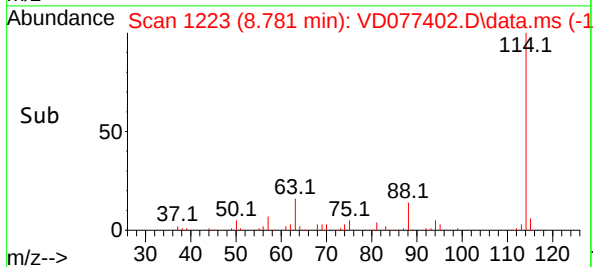
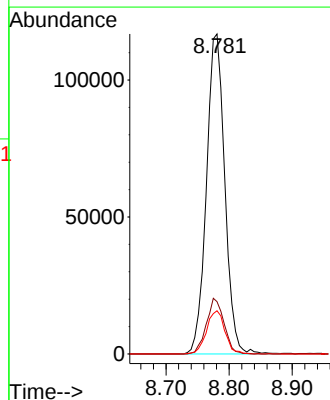
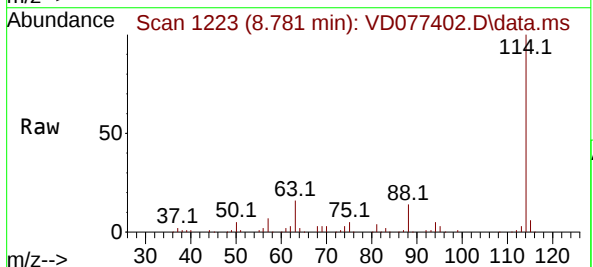
Tgt Ion:114 Resp: 236017

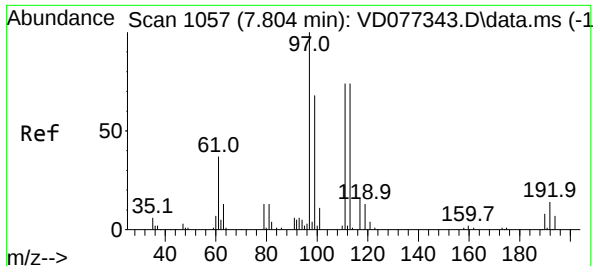
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.4

88 13.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.465 ug/l

RT: 7.804 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VD077402.D

Acq: 24 Oct 2023 18:37

Instrument :

MSVOA_D

ClientSampleId :

N-3(0-5)

Tgt Ion:113 Resp: 78702

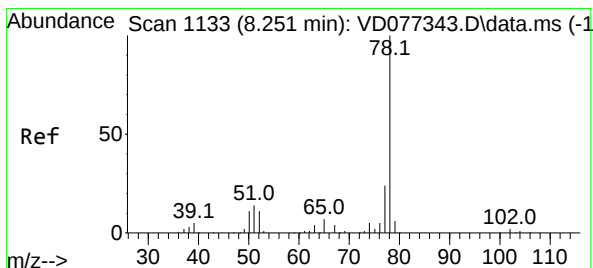
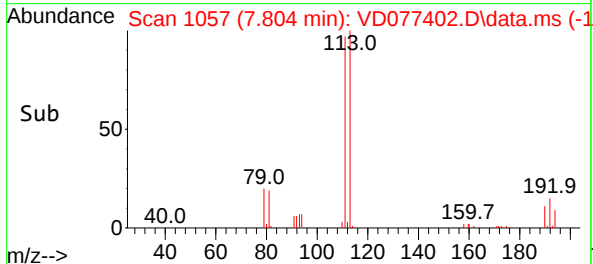
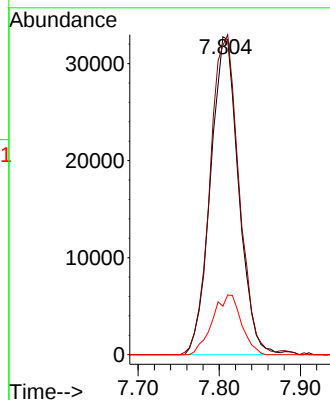
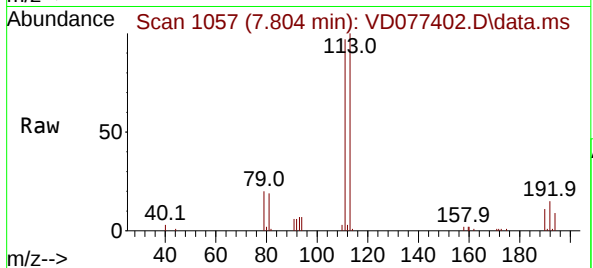
Ion	Ratio	Lower	Upper
113	100		
111	103.6	84.7	127.1
192	19.4	16.8	25.2

Manual Integrations

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Supervised By :Mahesh Dadoda 10/25/2023



#40

Benzene

Concen: 3.872 ug/l

RT: 8.251 min Scan# 1133

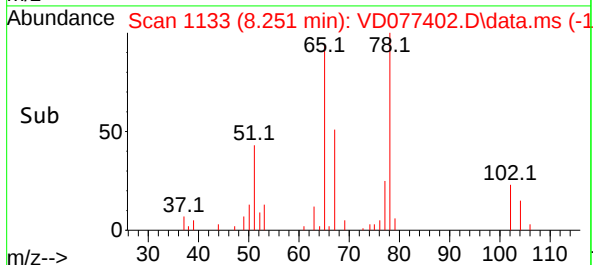
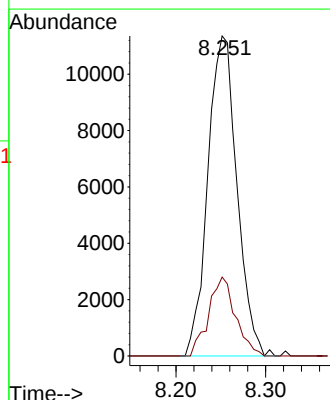
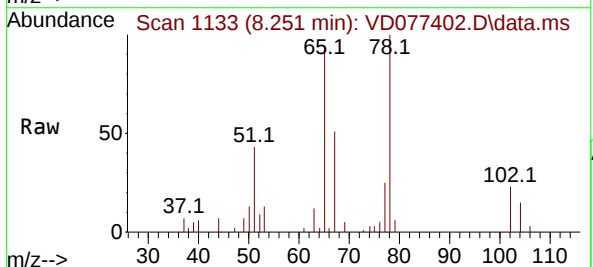
Delta R.T. 0.000 min

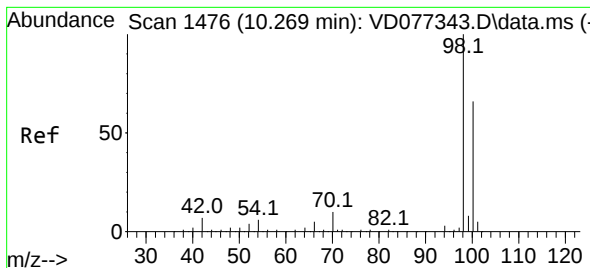
Lab File: VD077402.D

Acq: 24 Oct 2023 18:37

Tgt Ion: 78 Resp: 25604

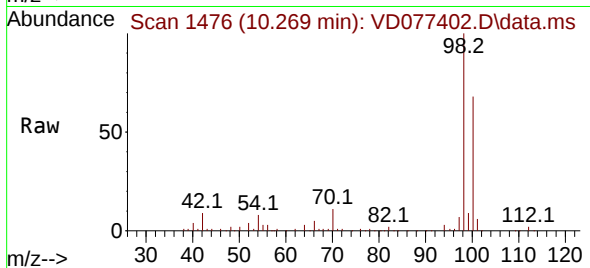
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





#50
Toluene-d8
Concen: 38.302 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

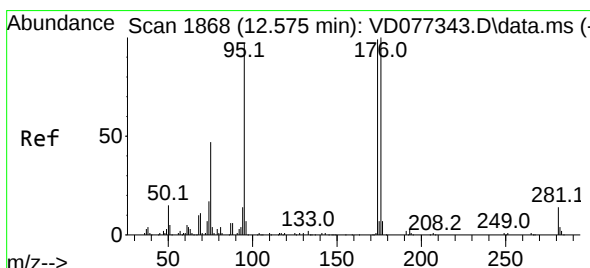
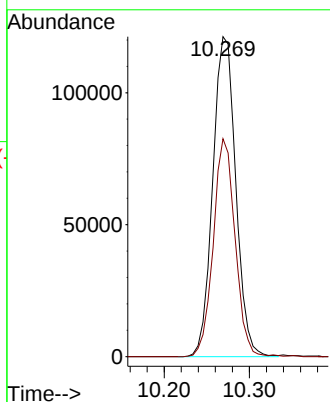
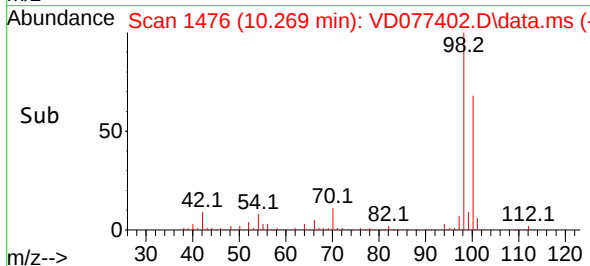
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)



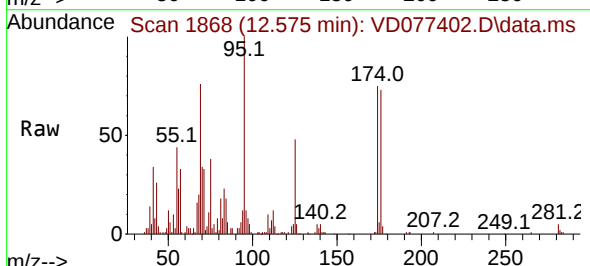
Tgt Ion: 98 Resp: 22744
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5

Manual Integrations
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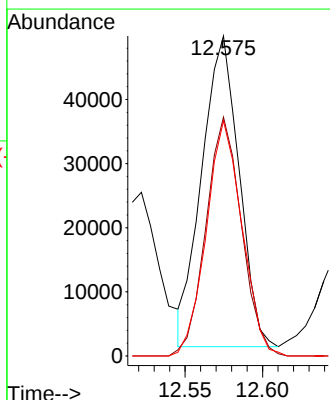
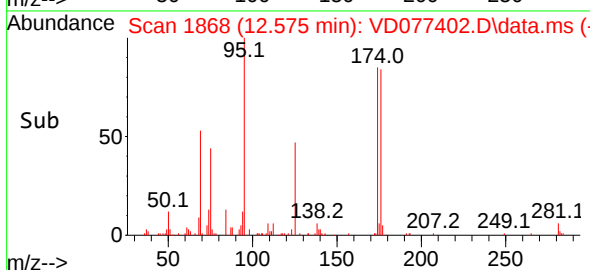
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

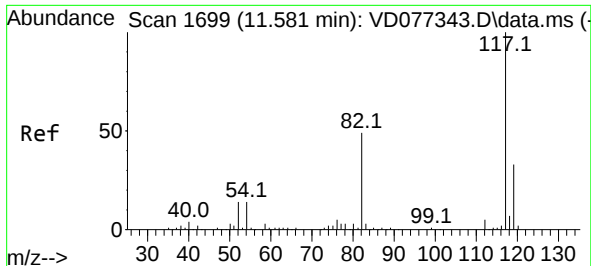


#62
4-Bromofluorobenzene
Concen: 47.233 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37



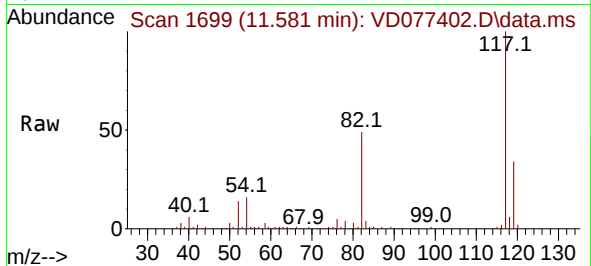
Tgt Ion: 95 Resp: 80739
Ion Ratio Lower Upper
95 100
174 73.4 0.0 201.8
176 72.6 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

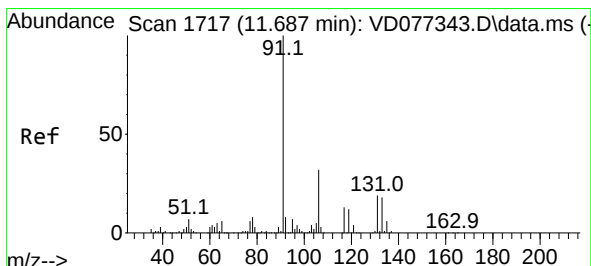
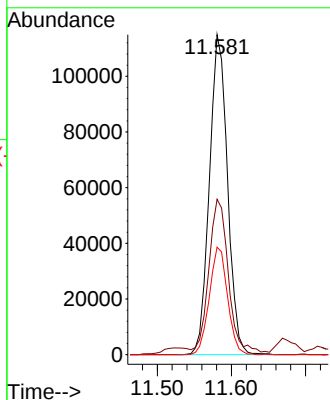
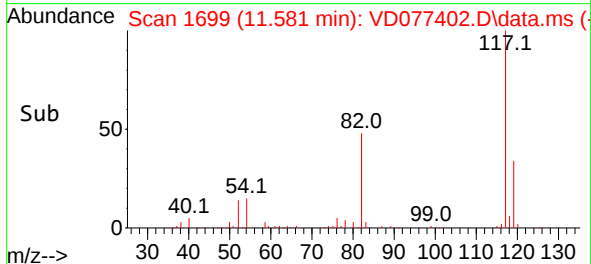
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)



Tgt Ion:117 Resp: 19506
Ion Ratio Lower Upper
117 100
82 46.5 38.3 57.5
119 33.6 25.0 37.4

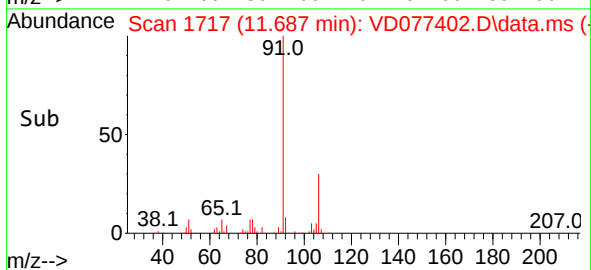
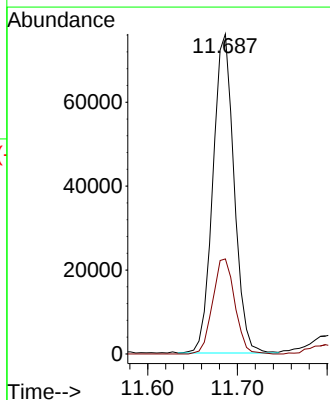
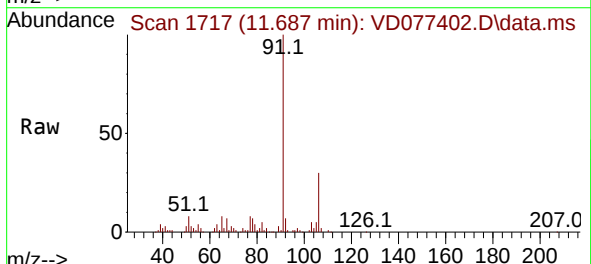
Manual Integrations
APPROVED

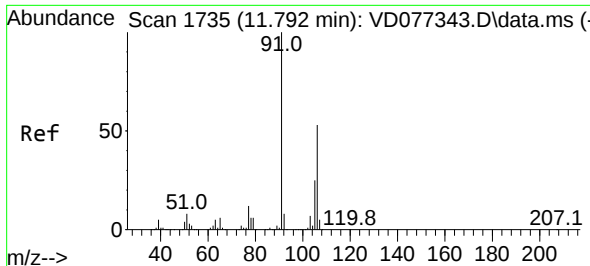
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#67
Ethyl Benzene
Concen: 17.678 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

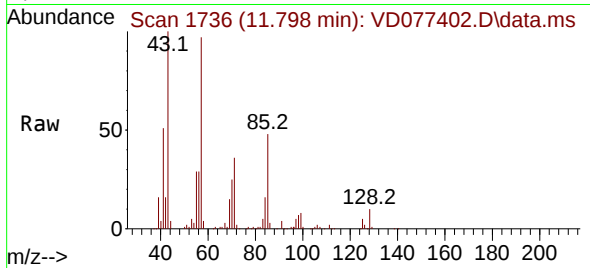
Tgt Ion: 91 Resp: 124600
Ion Ratio Lower Upper
91 100
106 29.8 26.5 39.7





#68
m/p-Xylenes
Concen: 1.589 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

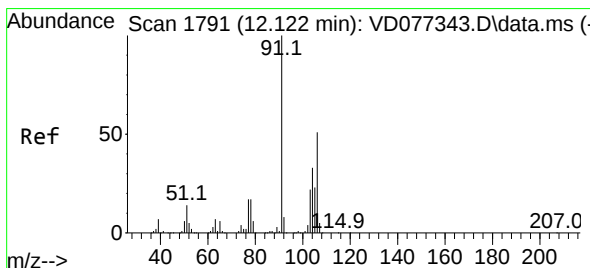
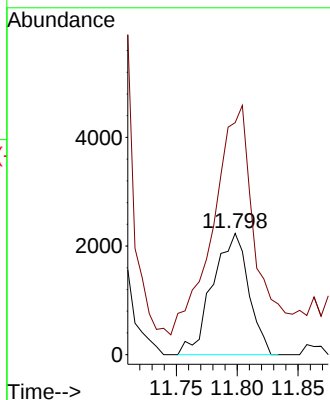
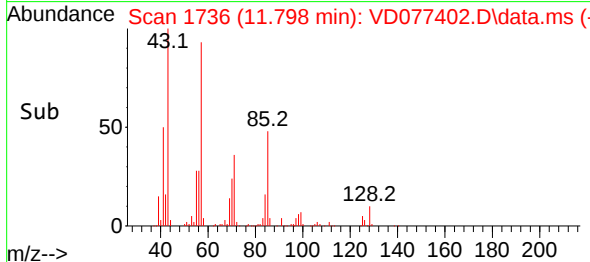
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)



Tgt Ion:106 Resp: 4598
Ion Ratio Lower Upper
106 100
91 213.7 147.0 220.6

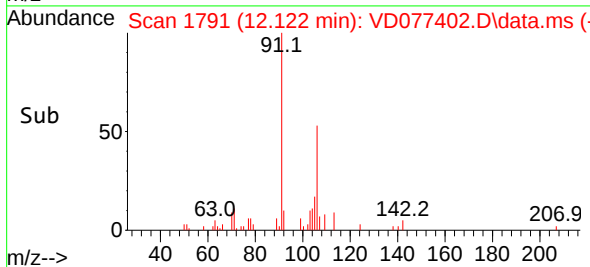
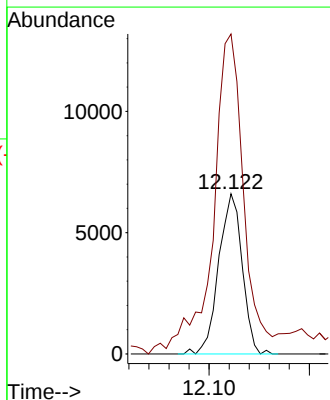
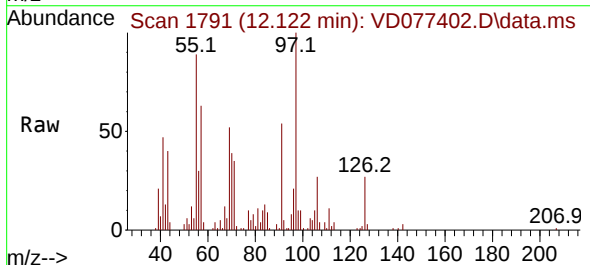
Manual Integrations
APPROVED

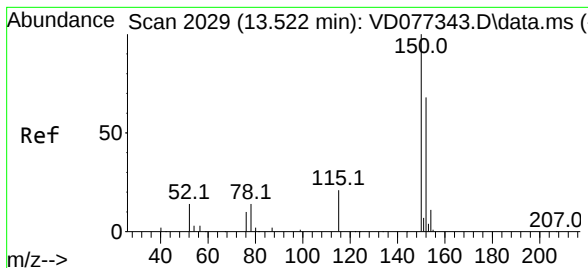
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#69
o-Xylene
Concen: 4.025 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

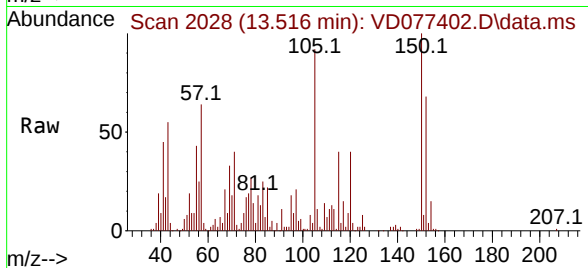
Tgt Ion:106 Resp: 10725
Ion Ratio Lower Upper
106 100
91 259.2 97.9 293.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2029
Delta R.T. -0.006 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

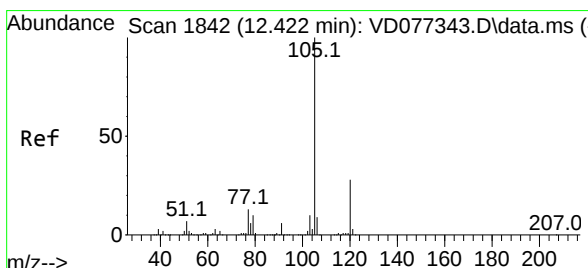
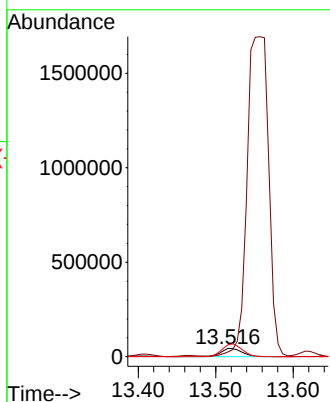
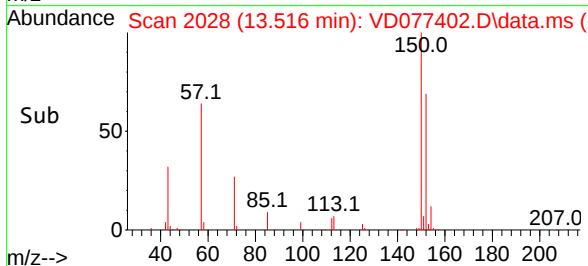
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)



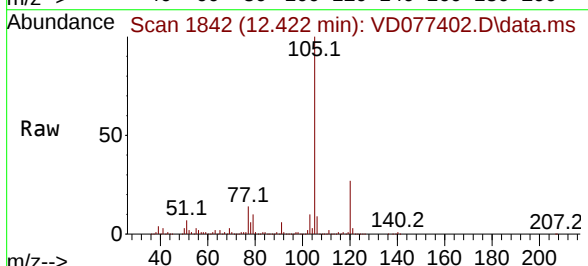
Tgt Ion:152 Resp: 84569
Ion Ratio Lower Upper
152 100
115 0.0 27.1 81.3
150 143.5 0.0 353.6

Manual Integrations
APPROVED

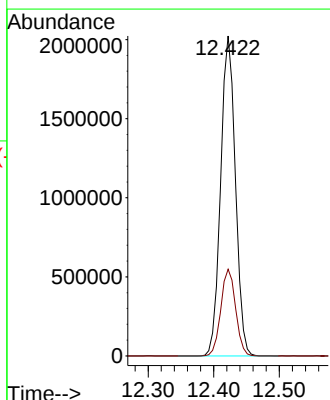
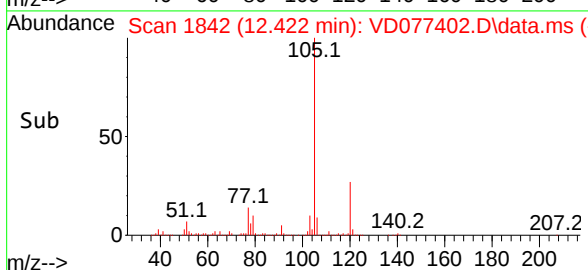
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

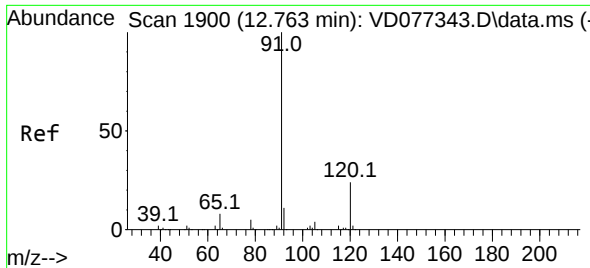


#73
Isopropylbenzene
Concen: 562.413 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37



Tgt Ion:105 Resp: 3146022
Ion Ratio Lower Upper
105 100
120 27.1 14.3 42.9





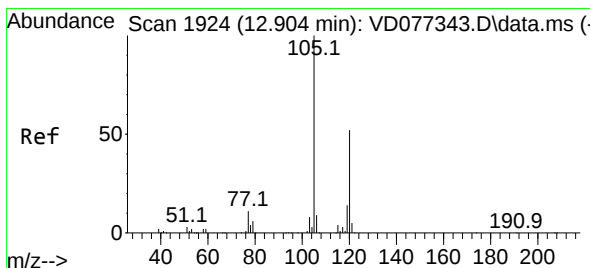
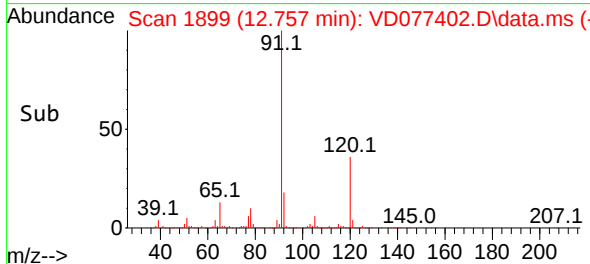
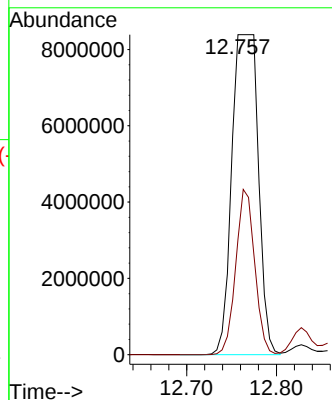
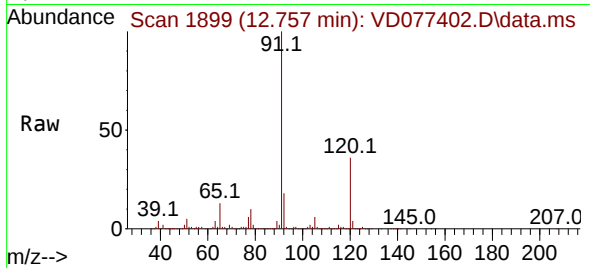
#78
n-propylbenzene
Concen: 2554.623 ug/l
RT: 12.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)

Tgt Ion: 91 Resp:1720978
Ion Ratio Lower Upper
91 100
120 36.9 12.4 37.2

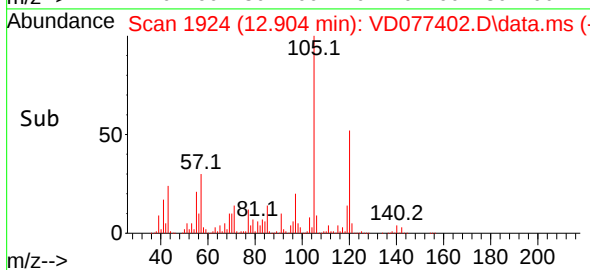
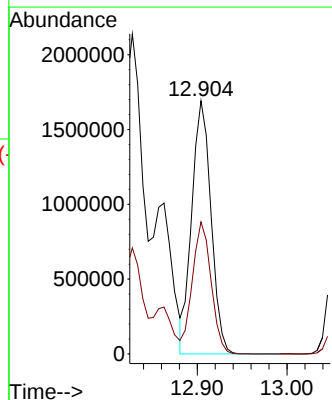
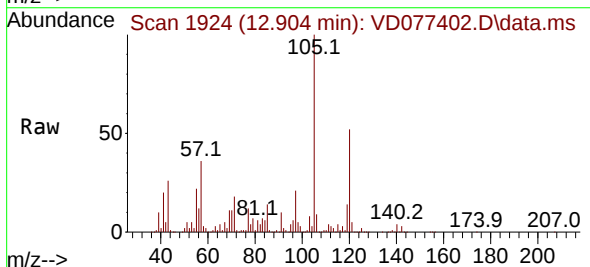
Manual Integrations
APPROVED

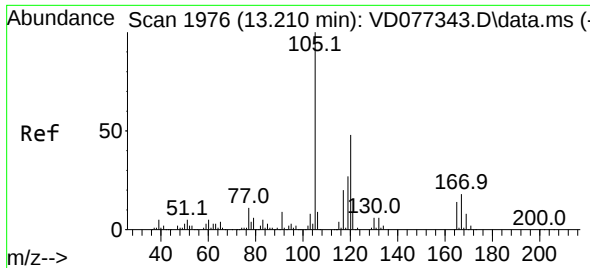
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#80
1,3,5-Trimethylbenzene
Concen: 545.429 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

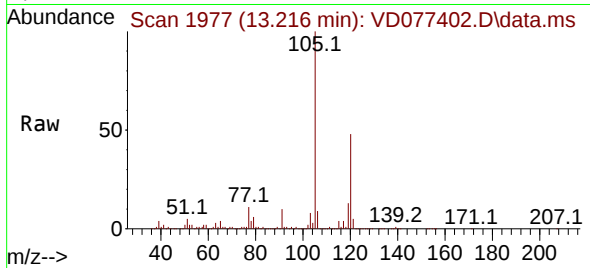
Tgt Ion:105 Resp: 2517744
Ion Ratio Lower Upper
105 100
120 51.0 26.4 79.2





#84
1,2,4-Trimethylbenzene
Concen: 1142.216 ug/l
RT: 13.216 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

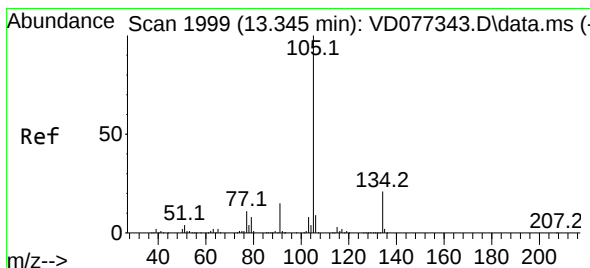
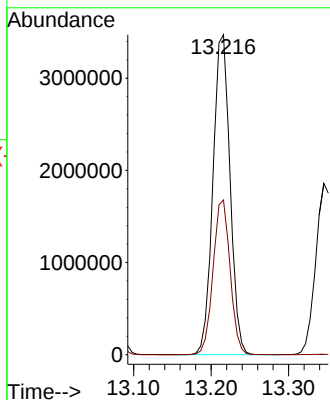
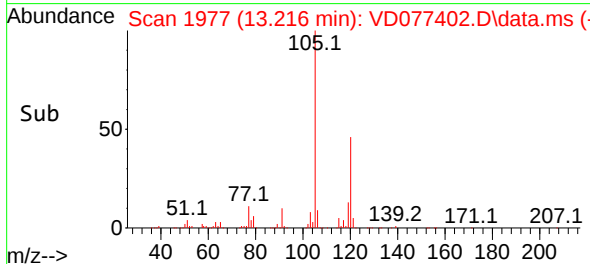
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)



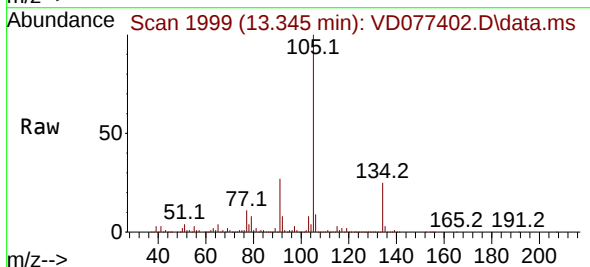
Tgt Ion:105 Resp: 530853
Ion Ratio Lower Upper
105 100
120 48.2 24.3 72.9

Manual Integrations
APPROVED

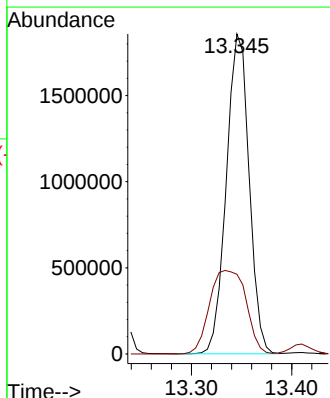
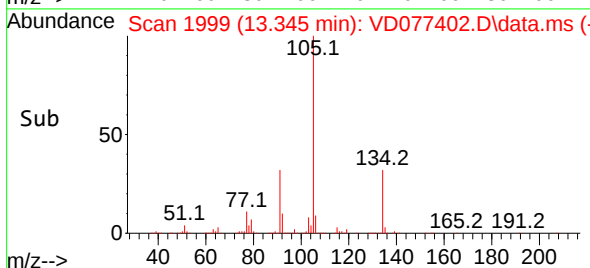
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

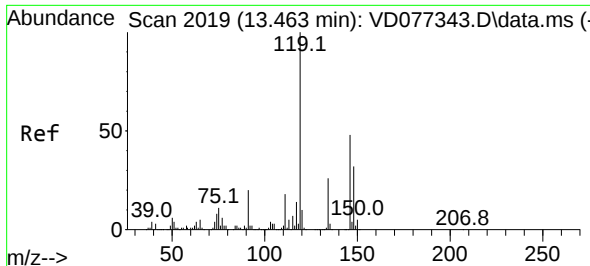


#85
sec-Butylbenzene
Concen: 476.657 ug/l
RT: 13.345 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37



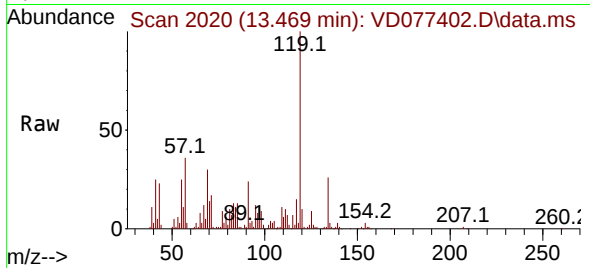
Tgt Ion:105 Resp: 2935477
Ion Ratio Lower Upper
105 100
134 41.7 10.9 32.9#





#86
p-Isopropyltoluene
Concen: 25.236 ug/l m
RT: 13.469 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37

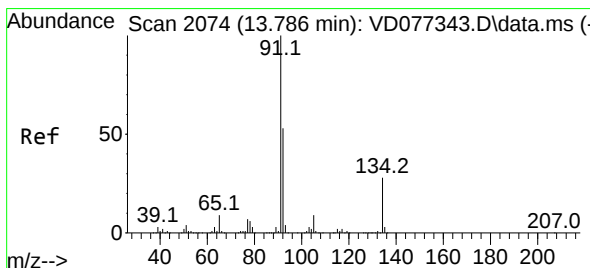
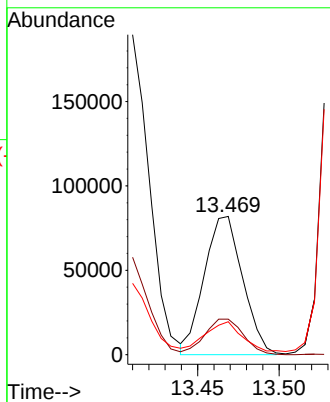
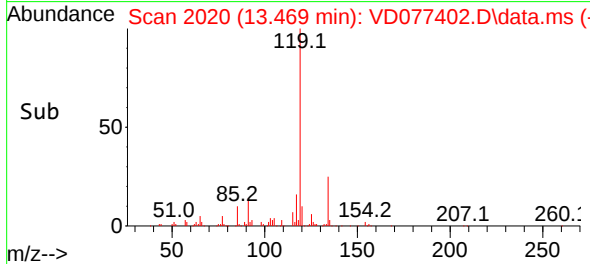
Instrument :
MSVOA_D
ClientSampleId :
N-3(0-5)



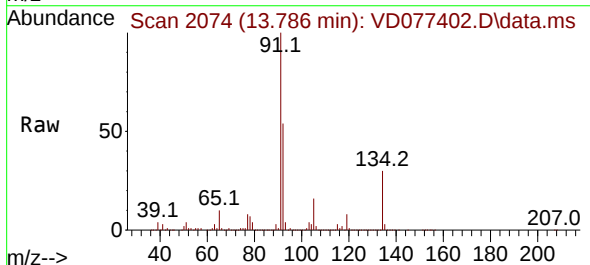
Tgt Ion:119 Resp: 135014
Ion Ratio Lower Upper
119 100
134 0.0 14.2 42.6
91 0.0 10.5 31.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#89
n-Butylbenzene
Concen: 698.888 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD077402.D
Acq: 24 Oct 2023 18:37



Tgt Ion: 91 Resp: 3255886
Ion Ratio Lower Upper
91 100
92 46.1 26.5 79.5
134 0.0 13.8 41.3

