

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076571.D
 Acq On : 23 Jun 2023 21:33
 Operator : KP/SY
 Sample : 03361-23
 Misc : 13.44G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-7-GRAB-5

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 24 01:01:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	83489	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	159075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	117429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	33108	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58604	70.060	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.120%			
35) Dibromofluoromethane	7.804	113	51584	54.585	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.180%			
50) Toluene-d8	10.269	98	180834	50.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.569	95	39710	34.140	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 68.280%			
Target Compounds						Qvalue
16) Acetone	4.022	43	17005	85.430	ug/l #	82
25) 2-Butanone	7.081	43	4513	14.659	ug/l #	64
29) Tetrahydrofuran	7.440	42	1879	9.497	ug/l #	62
31) Cyclohexane	7.851	56	38001	28.743	ug/l #	36
39) Methylcyclohexane	9.269	83	95288	61.357	ug/l	92
52) Toluene	10.334	92	68078	26.882	ug/l	97
64) Tetrachloroethene	10.810	164	8116	11.514	ug/l	95
67) Ethyl Benzene	11.686	91	329176	83.273	ug/l	98
68) m/p-Xylenes	11.792	106	938131	607.956	ug/l	90
69) o-Xylene	12.122	106	479854	326.679	ug/l	90
73) Isopropylbenzene	12.422	105	119070	53.417	ug/l	100
78) n-propylbenzene	12.763	91	425612	154.636	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	1577821	866.754	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	4449715	2425.616	ug/l	97
85) sec-Butylbenzene	13.345	105	85541m	35.637	ug/l	
86) p-Isopropyltoluene	13.457	119	71931	35.864	ug/l	96
89) n-Butylbenzene	13.786	91	146365m	74.818	ug/l	
95) Naphthalene	15.333	128	217429	172.840	ug/l	98

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

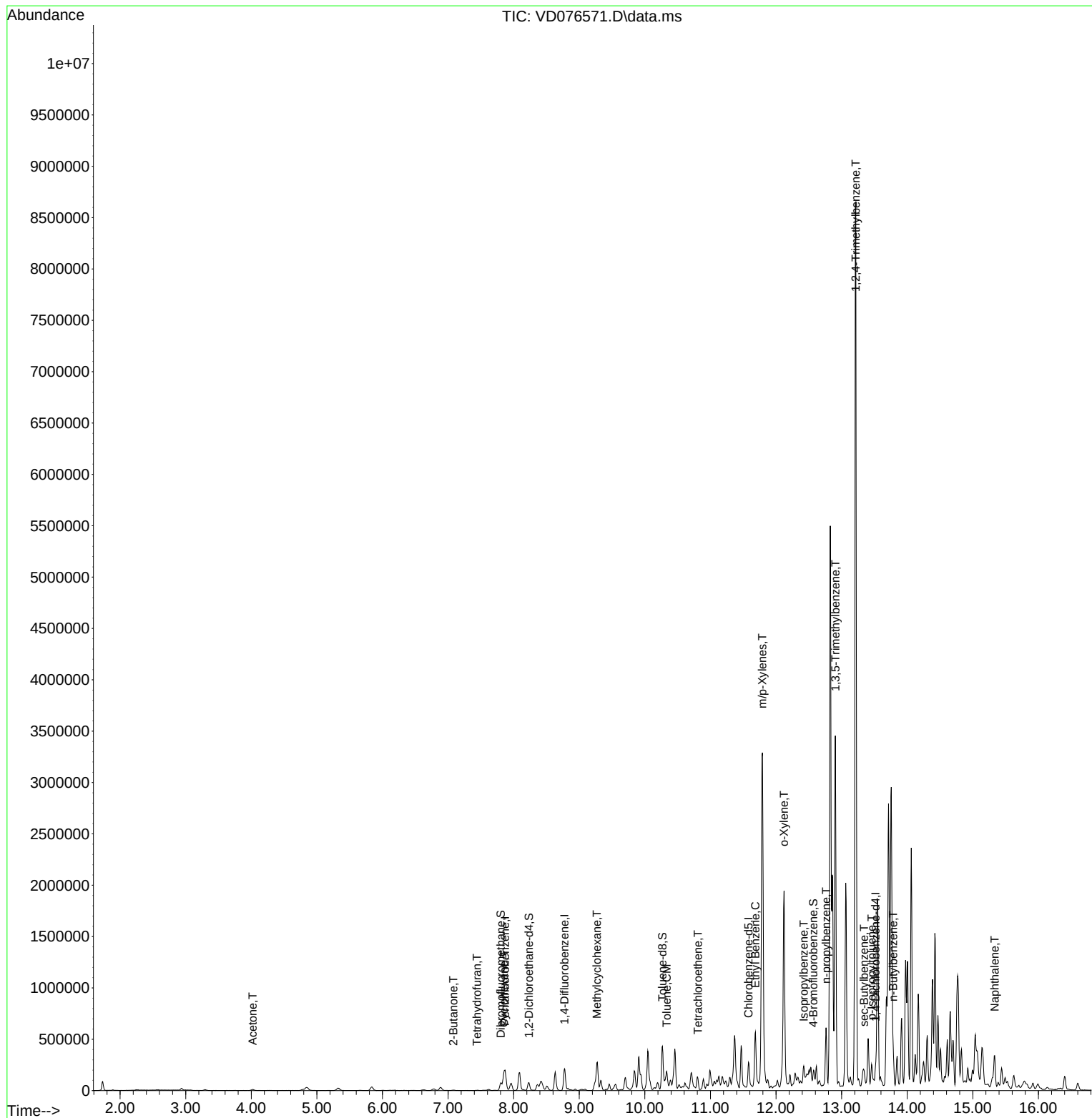
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
Data File : VD076571.D
Acq On : 23 Jun 2023 21:33
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ALS Vial : 23 Sample Multiplier: 1

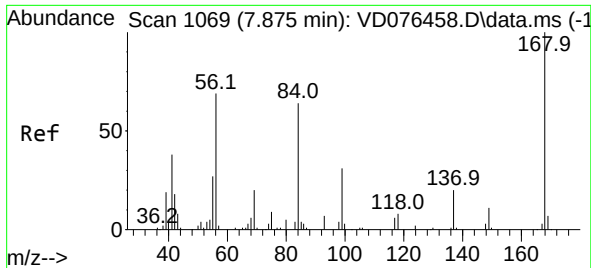
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5

Quant Time: Jun 24 01:01:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

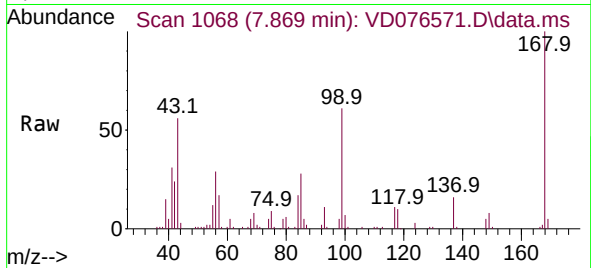
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

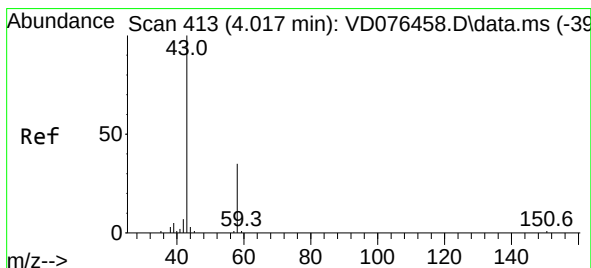
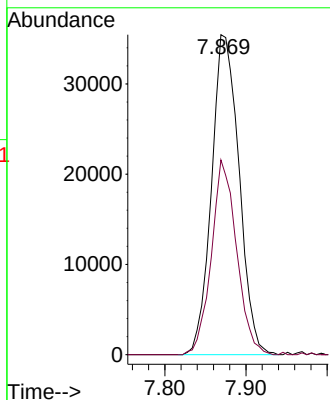
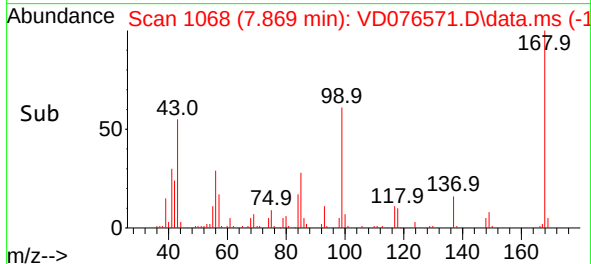
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5



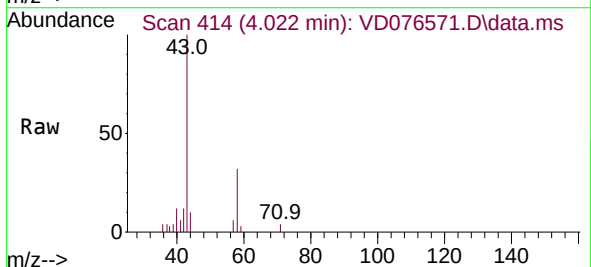
Tgt Ion:168 Resp: 83489
Ion Ratio Lower Upper
168 100
99 60.8 36.7 55.1

Manual Integrations
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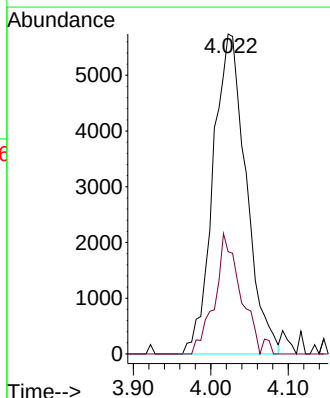
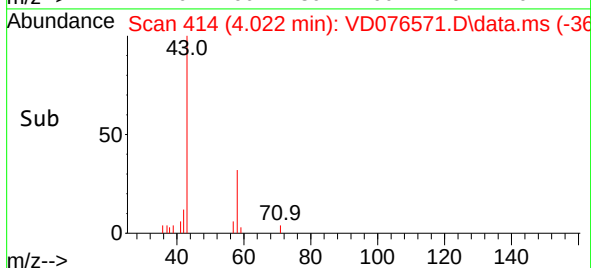
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023

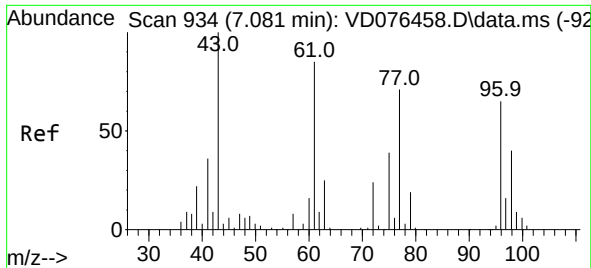


#16
Acetone
Concen: 85.430 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33



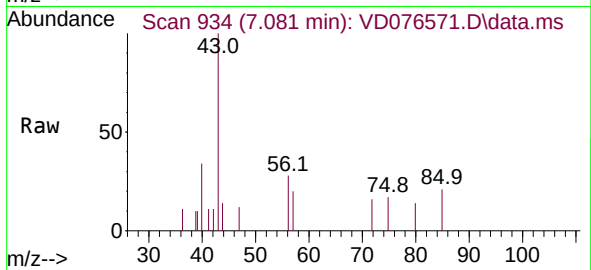
Tgt Ion: 43 Resp: 17005
Ion Ratio Lower Upper
43 100
58 32.0 34.7 52.1





#25
2-Butanone
Concen: 14.659 ug/l
RT: 7.081 min Scan# 911
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

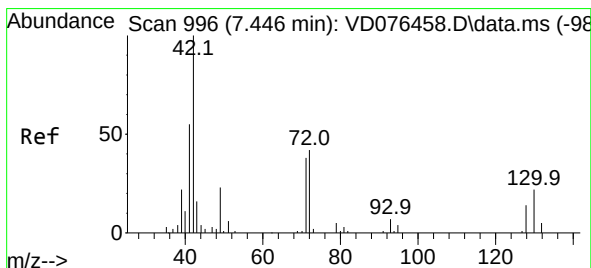
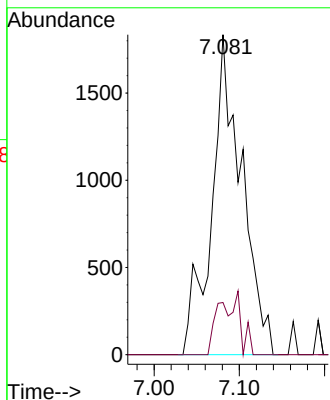
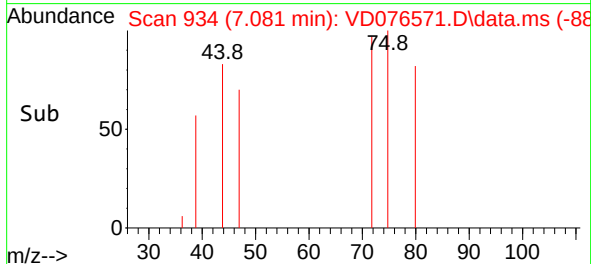
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5



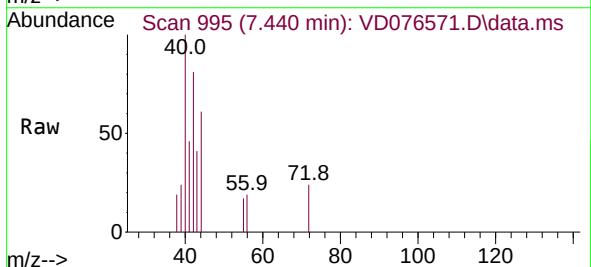
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
72 16.3 30.7 46.1

Manual Integrations
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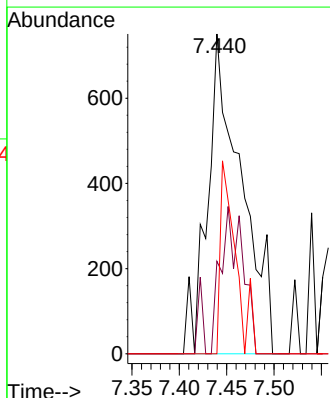
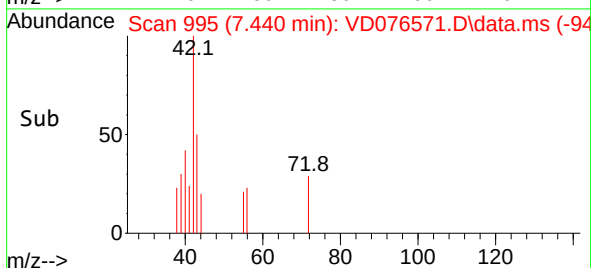
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023

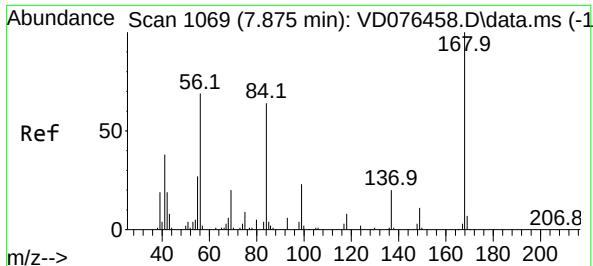


#29
Tetrahydrofuran
Concen: 9.497 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.006 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33



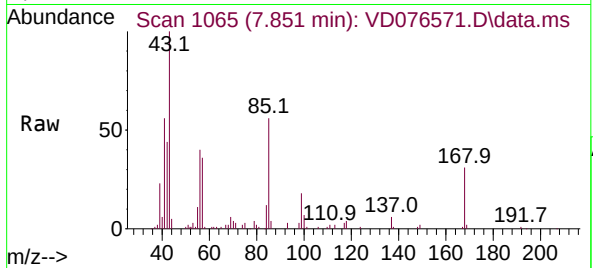
Tgt Ion: 42 Resp: 1879
Ion Ratio Lower Upper
42 100
72 30.1 46.5 69.7#
71 27.0 44.5 66.7#





#31
Cyclohexane
Concen: 28.743 ug/l
RT: 7.851 min Scan# 1065
Delta R.T. -0.024 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

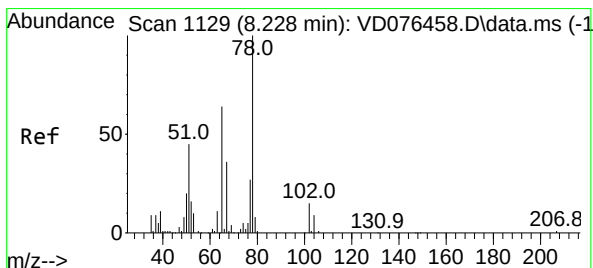
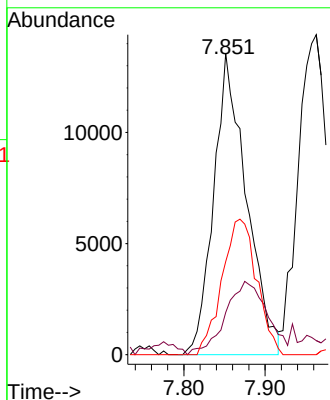
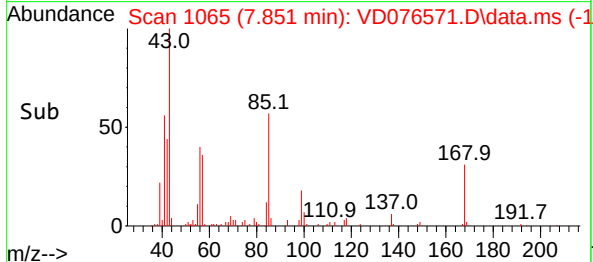
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5



Tgt Ion: 56 Resp: 3800
Ion Ratio Lower Upper
56 100
69 12.1 28.6 43.0
84 30.9 84.8 127.2

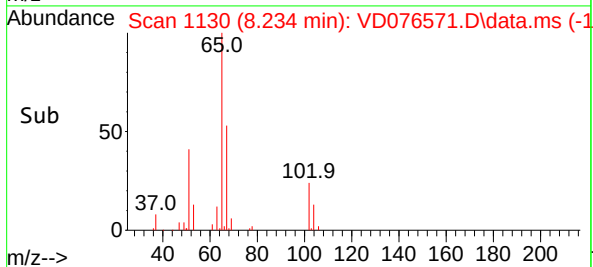
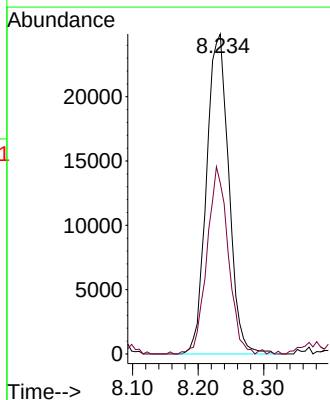
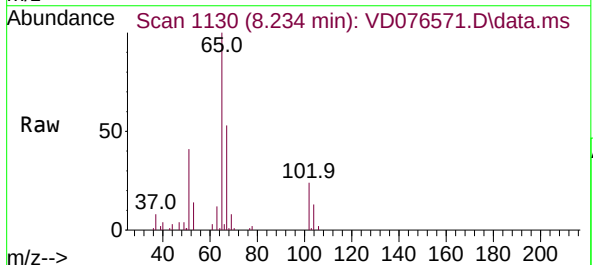
Manual Integrations
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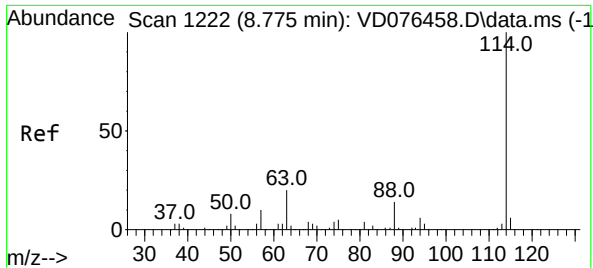
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#33
1,2-Dichloroethane-d4
Concen: 70.060 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

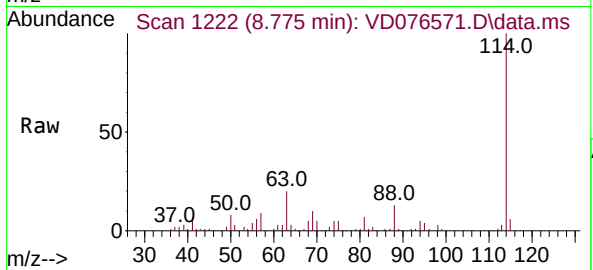
Tgt Ion: 65 Resp: 58604
Ion Ratio Lower Upper
65 100
67 55.8 0.0 115.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

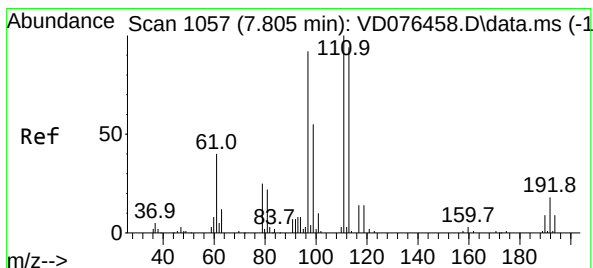
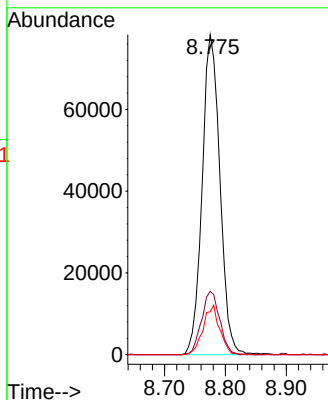
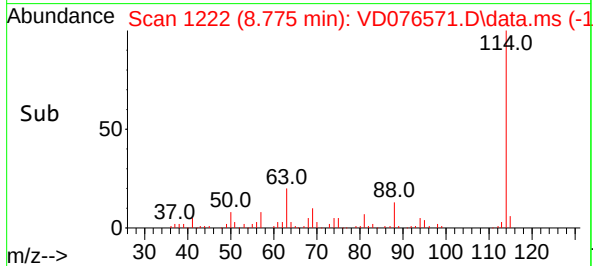
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-7-GRAB-5



Tgt Ion:114 Resp: 159075
Ion Ratio Lower Upper
114 100
63 19.8 0.0 33.4
88 13.4 0.0 26.2

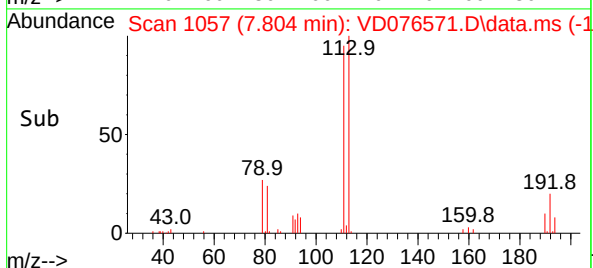
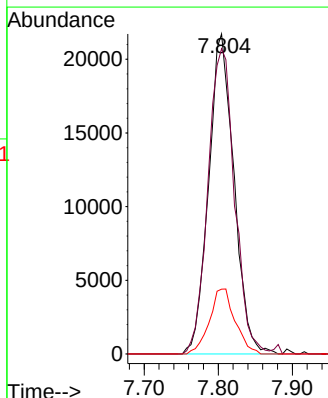
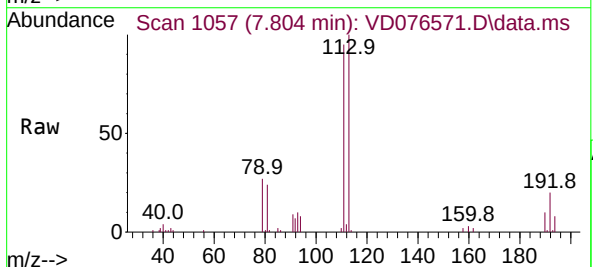
Manual Integrations
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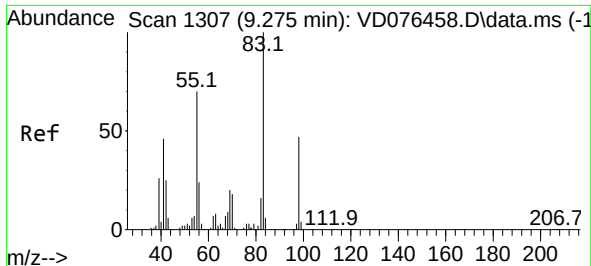
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#35
Dibromofluoromethane
Concen: 54.585 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

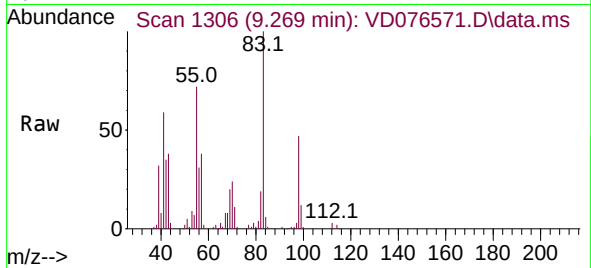
Tgt Ion:113 Resp: 51584
Ion Ratio Lower Upper
113 100
111 100.3 84.7 127.1
192 20.5 16.8 25.2





#39
Methylcyclohexane
Concen: 61.357 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

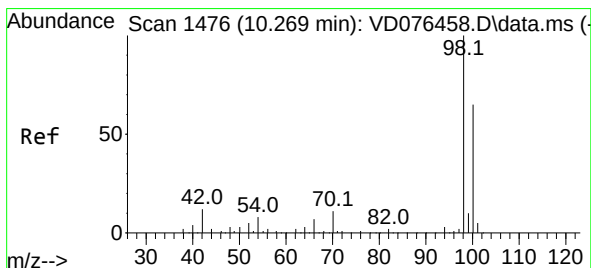
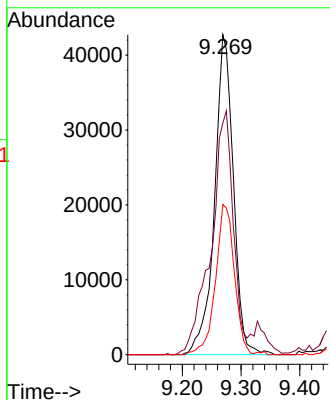
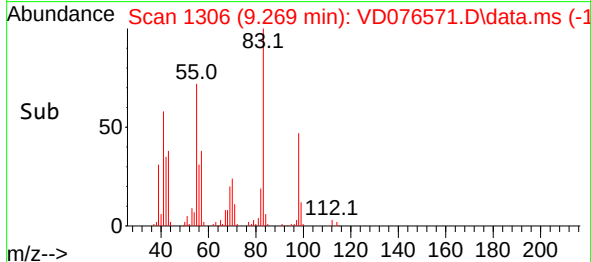
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5



Tgt Ion: 83 Resp: 9528
Ion Ratio Lower Upper
83 100
55 72.0 49.4 74.0
98 46.9 38.4 57.6

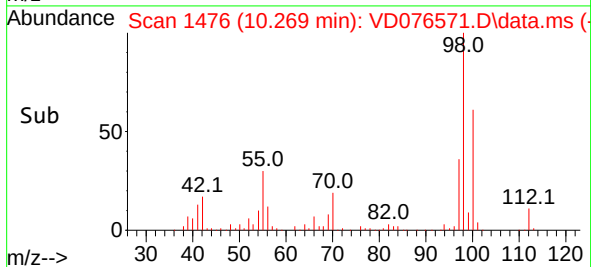
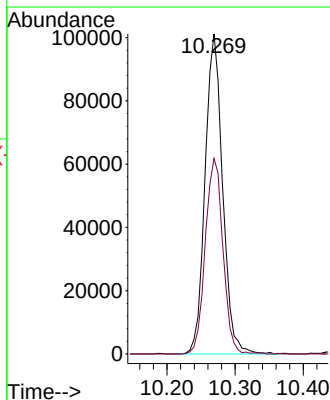
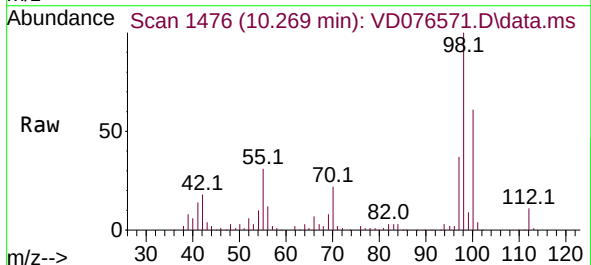
Manual Integrations
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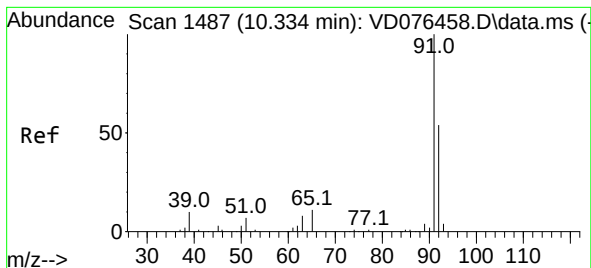
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#50
Toluene-d8
Concen: 50.457 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

Tgt Ion: 98 Resp: 180834
Ion Ratio Lower Upper
98 100
100 61.6 50.3 75.5





#52

Toluene

Concen: 26.882 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076571.D

Acq: 23 Jun 2023 21:33

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-7-GRAB-5

Tgt Ion: 92 Resp: 68078

Ion Ratio Lower Upper

92 100

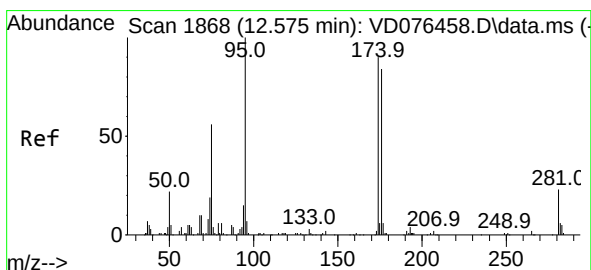
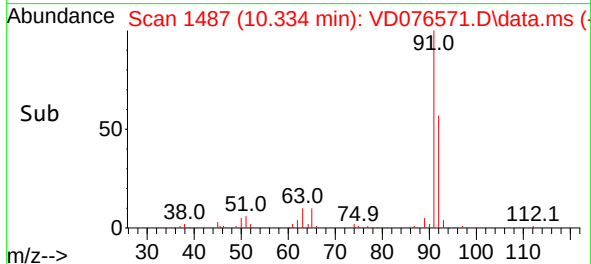
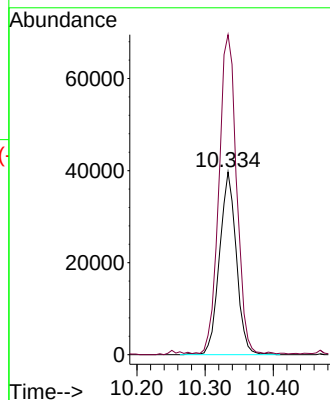
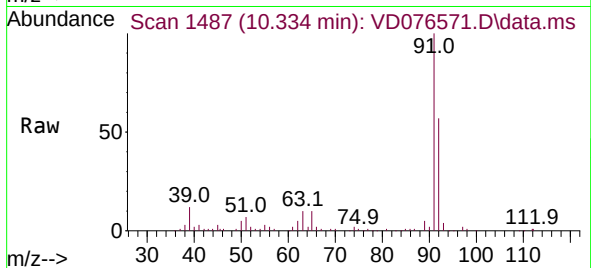
91 182.6 143.0 214.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/26/2023

Supervised By :Mahesh Dadoda 06/26/2023



#62

4-Bromofluorobenzene

Concen: 34.140 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD076571.D

Acq: 23 Jun 2023 21:33

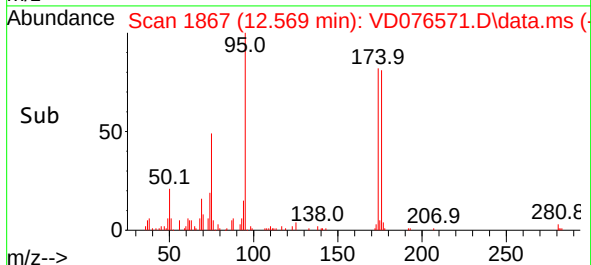
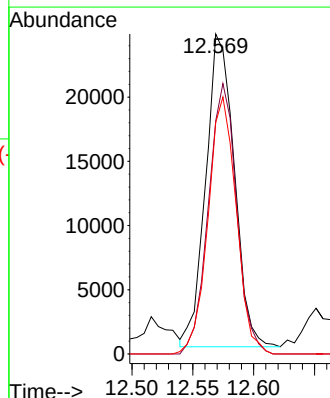
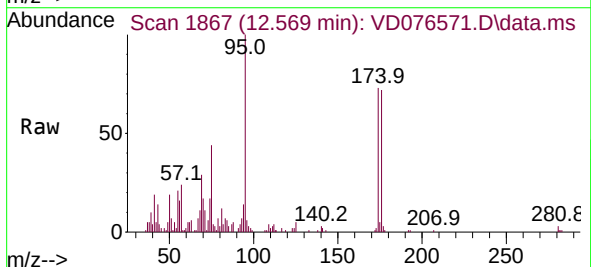
Tgt Ion: 95 Resp: 39710

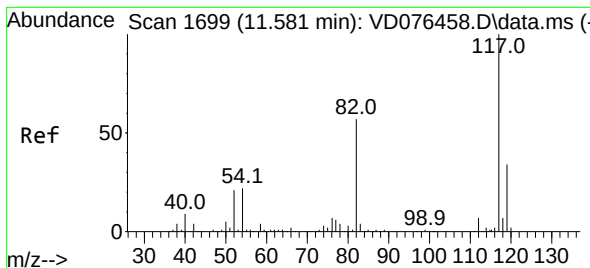
Ion Ratio Lower Upper

95 100

174 85.4 0.0 201.8

176 81.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076571.D

Acq: 23 Jun 2023 21:33

Instrument :

MSVOA_D

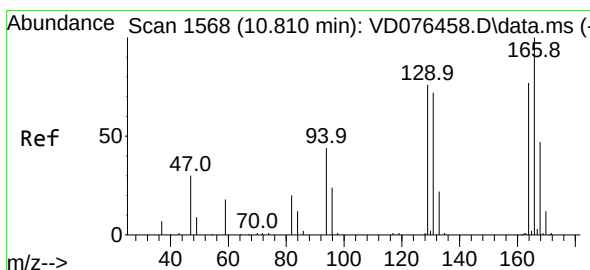
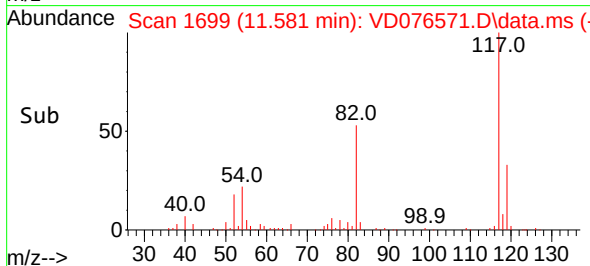
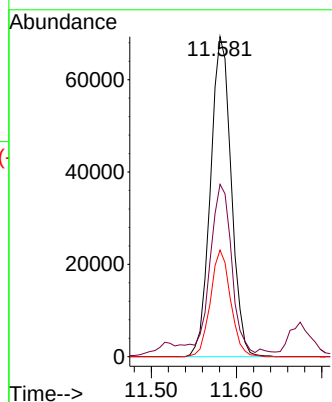
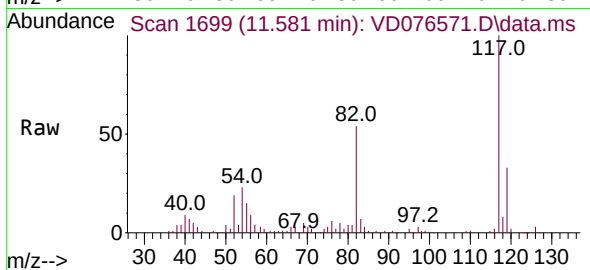
ClientSampleId :

TOTAL-VOC-SB-7-GRAB-5

Tgt Ion:	117	Resp:	117429
Ion Ratio	Lower	Upper	
117	100		
82	52.2	38.3	57.5
119	33.3	25.0	37.4

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#64

Tetrachloroethene

Concen: 11.514 ug/l

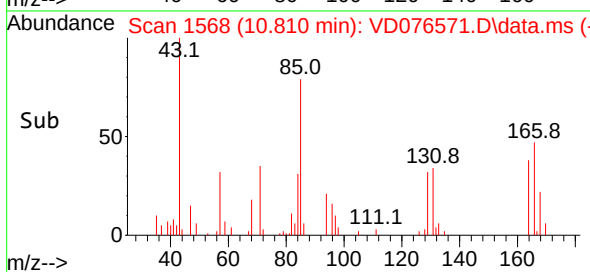
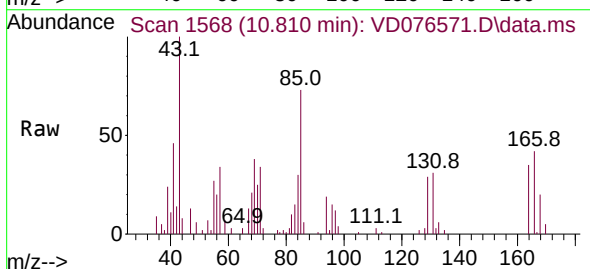
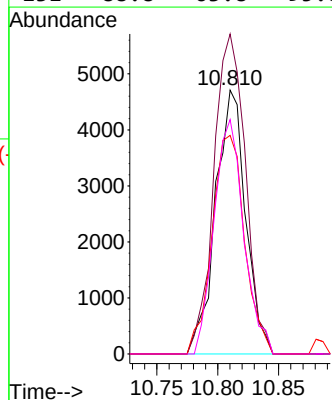
RT: 10.810 min Scan# 1568

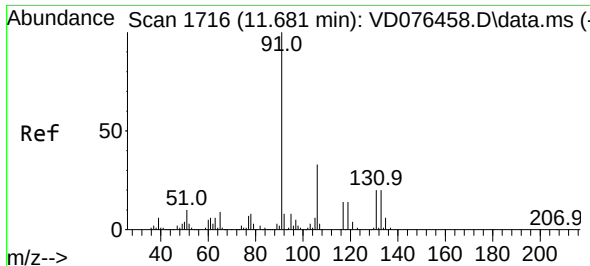
Delta R.T. -0.000 min

Lab File: VD076571.D

Acq: 23 Jun 2023 21:33

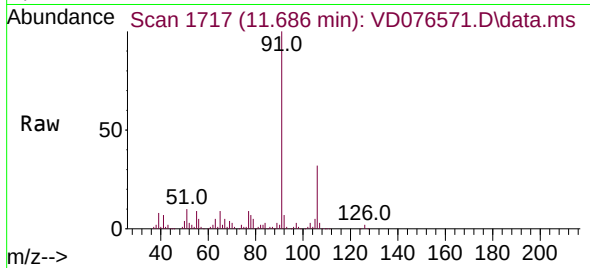
Tgt Ion:	164	Resp:	8116
Ion Ratio	Lower	Upper	
164	100		
166	121.2	99.2	148.8
129	82.8	68.4	102.6
131	88.8	63.8	95.8





#67
Ethyl Benzene
Concen: 83.273 ug/l
RT: 11.686 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

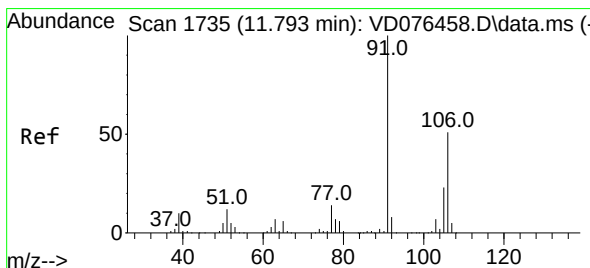
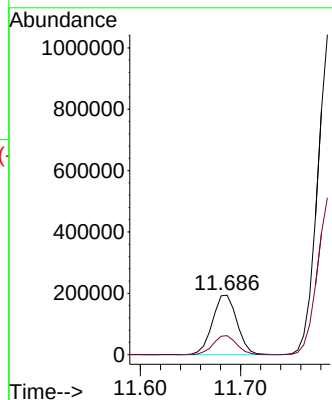
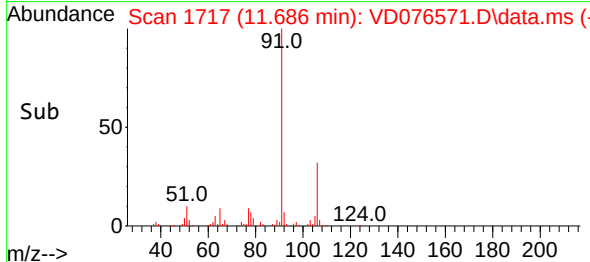
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5



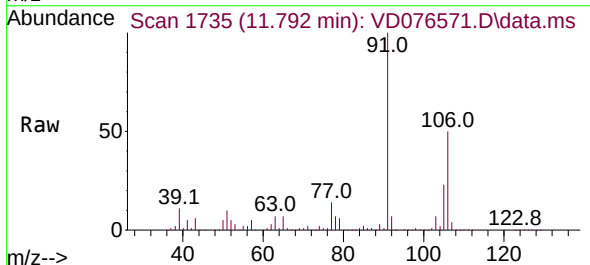
Tgt Ion: 91 Resp: 329170
Ion Ratio Lower Upper
91 100
106 32.1 26.5 39.7

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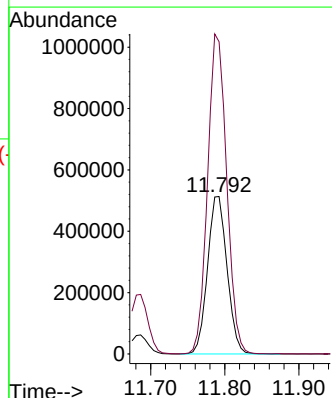
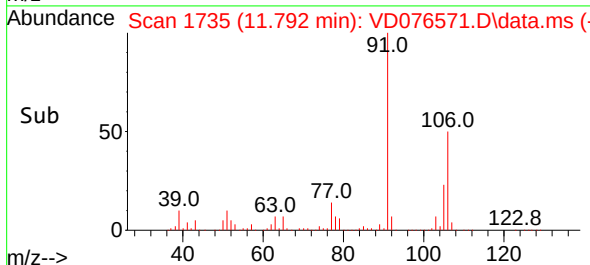
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023

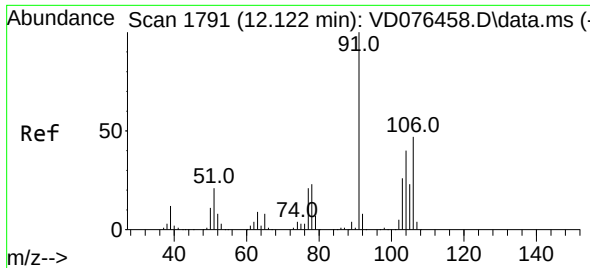


#68
m/p-Xylenes
Concen: 607.956 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33



Tgt Ion:106 Resp: 938131
Ion Ratio Lower Upper
106 100
91 198.6 147.0 220.6





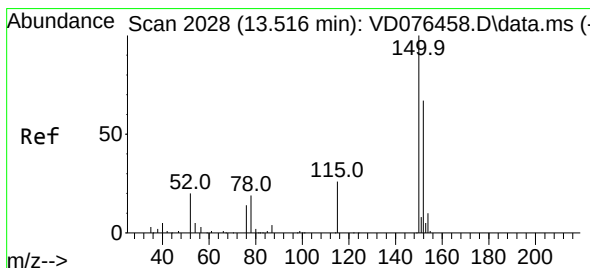
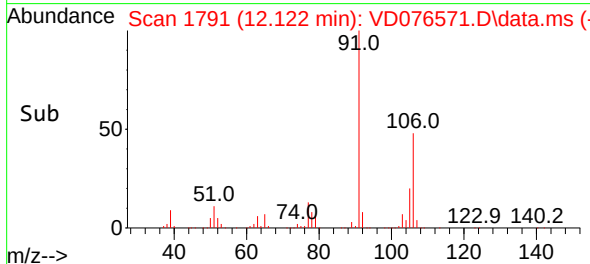
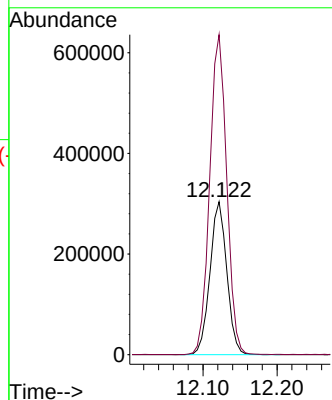
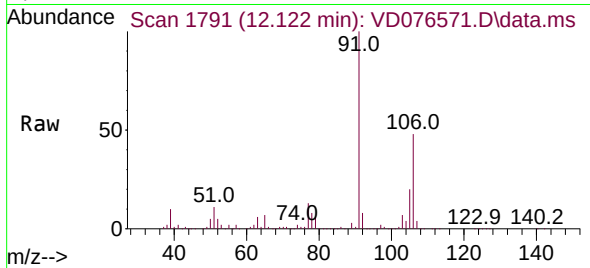
#69
o-Xylene
Concen: 326.679 ug/l
RT: 12.122 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5

Tgt Ion:106 Resp: 479854
Ion Ratio Lower Upper
106 100
91 211.0 97.9 293.6

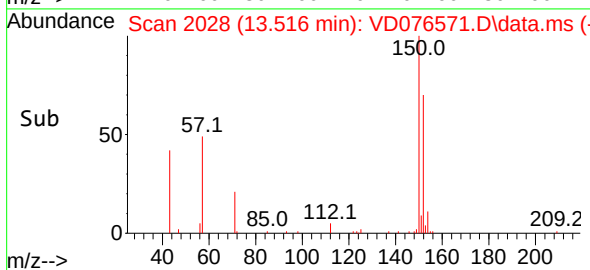
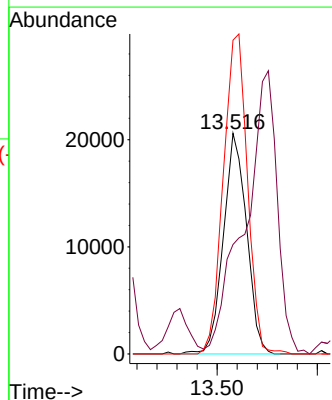
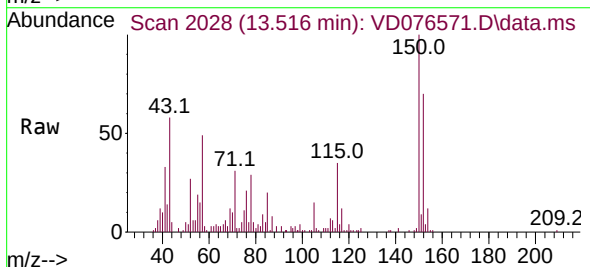
Manual Integrations
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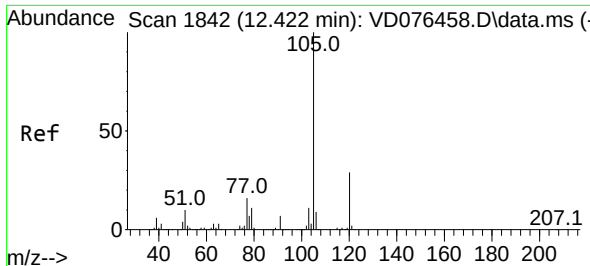
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

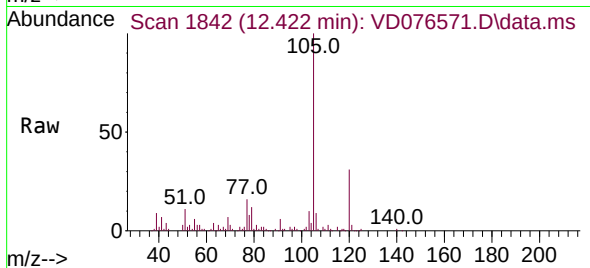
Tgt Ion:152 Resp: 33108
Ion Ratio Lower Upper
152 100
115 0.0 27.1 81.3#
150 150.3 0.0 353.6





#73
Isopropylbenzene
Concen: 53.417 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

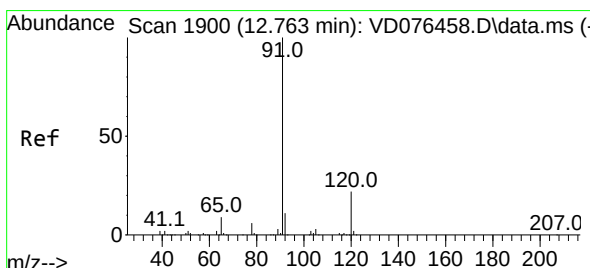
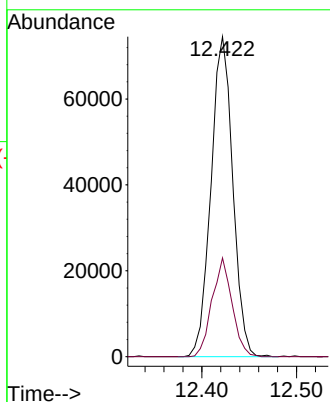
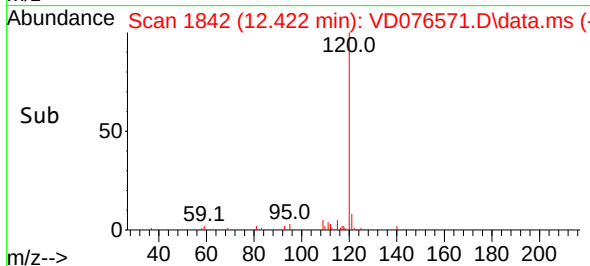
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-7-GRAB-5



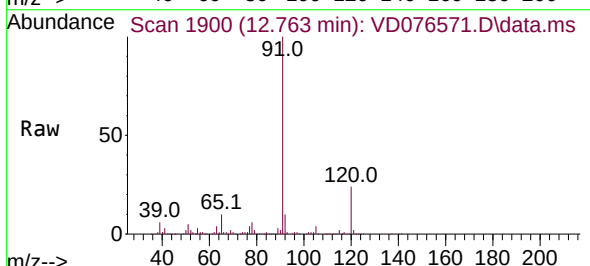
Tgt Ion:105 Resp: 119070
Ion Ratio Lower Upper
105 100
120 28.4 14.3 42.9

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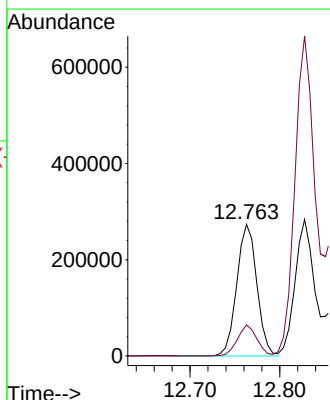
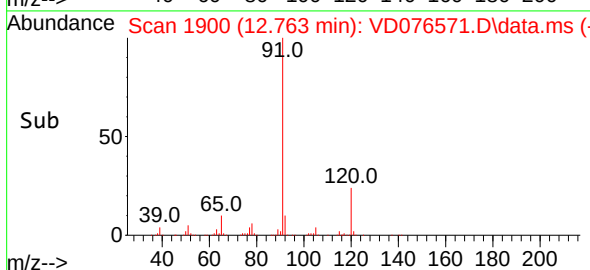
Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023

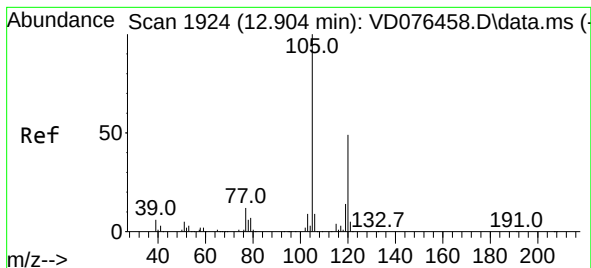


#78
n-propylbenzene
Concen: 154.636 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33



Tgt Ion: 91 Resp: 425612
Ion Ratio Lower Upper
91 100
120 22.8 12.4 37.2





#80

1,3,5-Trimethylbenzene

Concen: 866.754 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD076571.D

Acq: 23 Jun 2023 21:33

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-7-GRAB-5

Tgt Ion:105 Resp: 157782

Ion Ratio Lower Upper

105 100

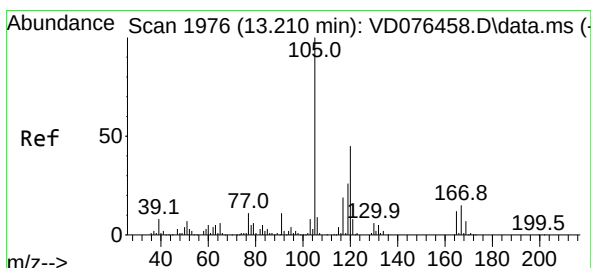
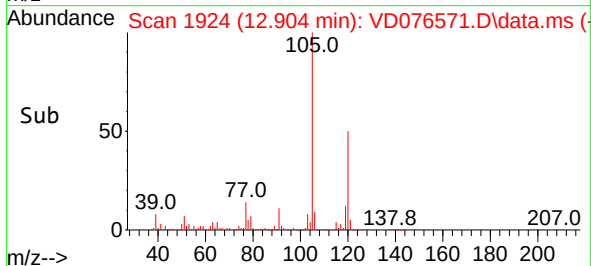
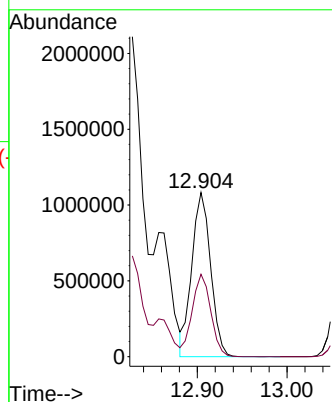
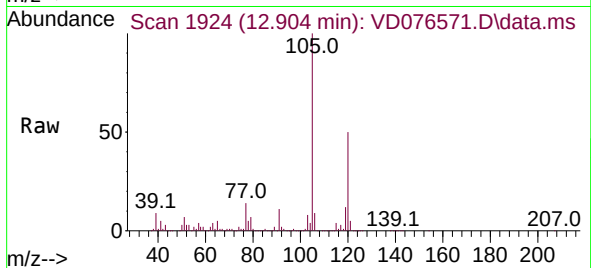
120 49.7 26.4 79.2

Manual Integrations

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Reviewed By :Krupa Patel 06/26/2023

Supervised By :Mahesh Dadoda 06/26/2023



#84

1,2,4-Trimethylbenzene

Concen: 2425.616 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VD076571.D

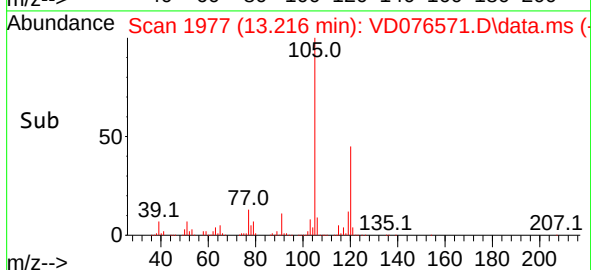
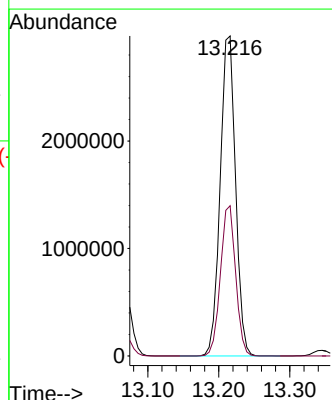
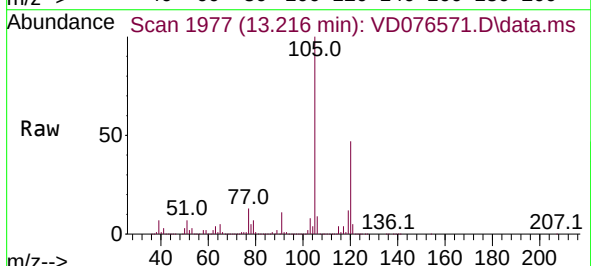
Acq: 23 Jun 2023 21:33

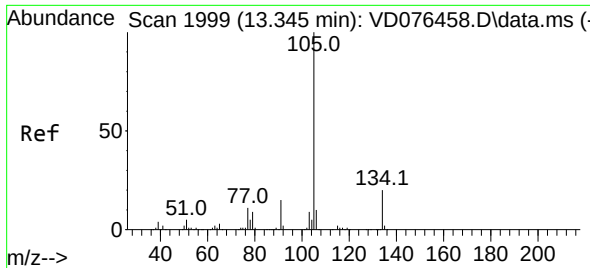
Tgt Ion:105 Resp: 4449715

Ion Ratio Lower Upper

105 100

120 46.5 24.3 72.9





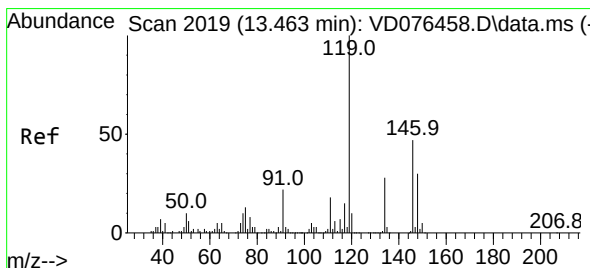
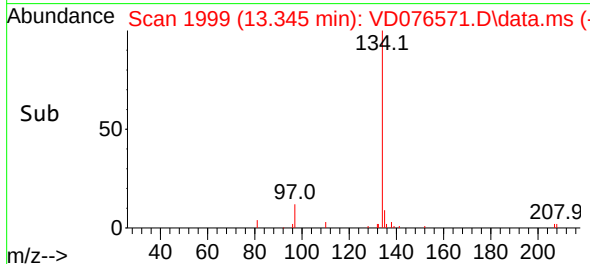
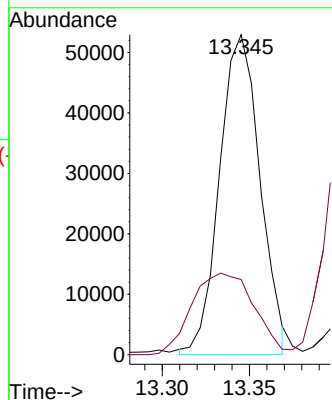
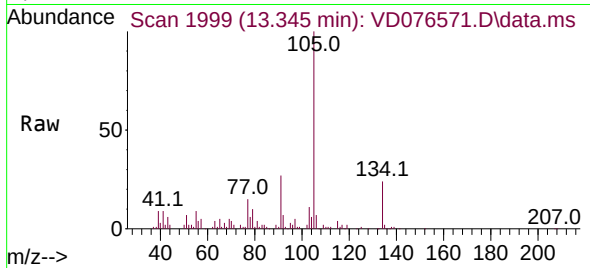
#85
 sec-Butylbenzene
 Concen: 35.637 ug/l m
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VD076571.D
 Acq: 23 Jun 2023 21:33

Instrument : MSVOA_D
 ClientSampleId : TOTAL-VOC-SB-7-GRAB-5

Tgt Ion:105 Resp: 8554
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.9

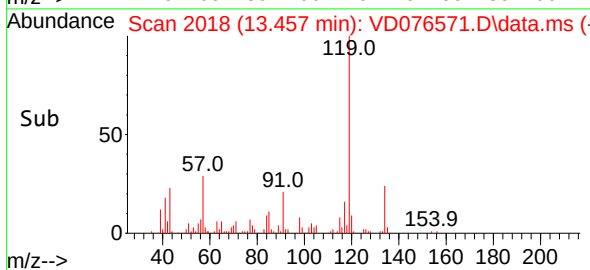
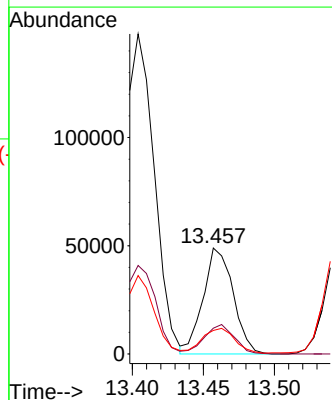
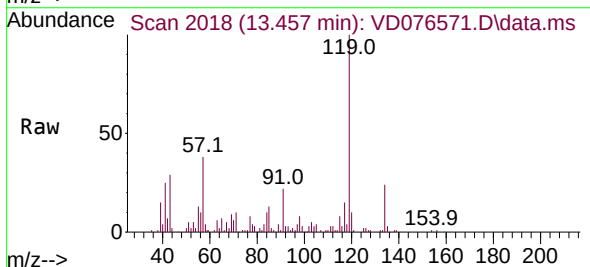
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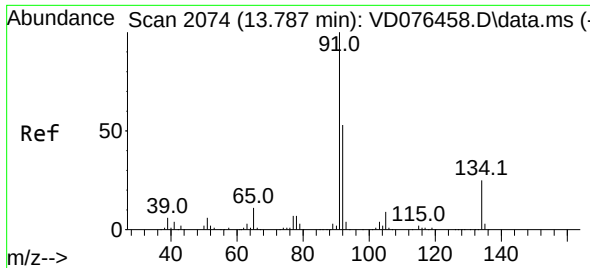
Reviewed By :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023



#86
 p-Isopropyltoluene
 Concen: 35.864 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: VD076571.D
 Acq: 23 Jun 2023 21:33

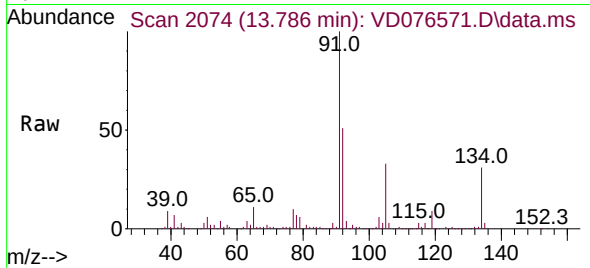
Tgt Ion:119 Resp: 71931
 Ion Ratio Lower Upper
 119 100
 134 27.8 14.2 42.6
 91 25.0 10.5 31.5





#89
n-Butylbenzene
Concen: 74.818 ug/l m
RT: 13.786 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33

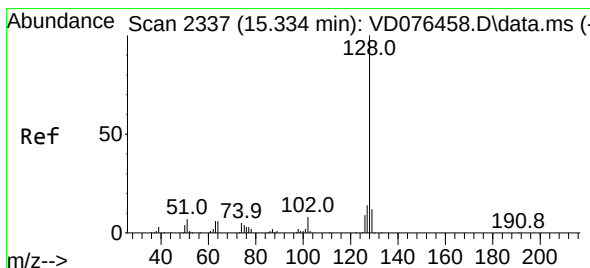
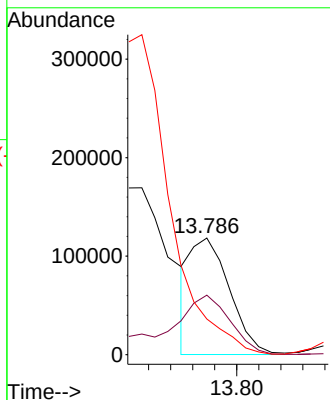
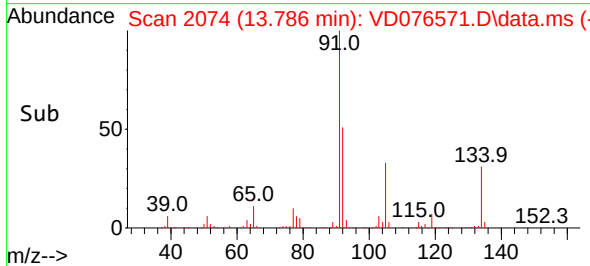
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-7-GRAB-5



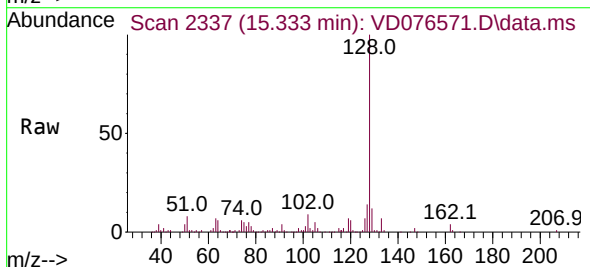
Tgt Ion: 91 Resp: 146368
Ion Ratio Lower Upper
91 100
92 0.0 26.5 79.5
134 391.3 13.8 41.3

Manual Integrations
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Reviewed By :Krupa Patel 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#95
Naphthalene
Concen: 172.840 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD076571.D
Acq: 23 Jun 2023 21:33



Tgt Ion:128 Resp: 217429
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.9 8.7 13.1

