

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
 Data File : VN077180.D
 Acq On : 24 Mar 2023 15:26
 Operator : JC\MD
 Sample : 01950-02DL 2X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/27/2023
 Supervised By : Semsettin Yesilyurt 03/27/2023

Quant Time: Mar 24 23:30:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 24 05:55:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.830	128	40117	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	272599	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	305111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	125753	30.866	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.900%
60) 4-Bromofluorobenzene	12.854	95	152405	27.805	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.667%
63) Toluene-d8	10.571	98	336625	30.907	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.033%
Target Compounds						
					Qvalue	
3) Chloromethane	2.384	50	2364	0.562	ug/l #	84
5) Bromomethane	2.978	94	232577	55.965	ug/l	90
7) Trichlorofluoromethane	3.513	101	205506	24.087	ug/l	98
10) 1,1-Dichloroethene	4.354	96	89248	21.380	ug/l	89
15) Acetone	4.448	58	24394m	34.167	ug/l	
18) Methylene Chloride	5.289	84	56116	10.938	ug/l	93
19) trans-1,2-Dichloroethene	5.801	96	172170	38.498	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	91927	17.410	ug/l	93
24) Methyl tert-Butyl Ether	5.813	73	364334	24.583	ug/l	98
25) Chloroform	7.972	83	338922	36.993	ug/l	96
30) 2-Butanone	7.489	43	365393	95.779	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	129824	16.282	ug/l	99
33) Carbon Tetrachloride	8.366	117	162750	24.298	ug/l	99
34) Benzene	8.613	78	984447	48.566	ug/l	96
37) Trichloroethene	9.348	130	2900m	0.633	ug/l	
41) Bromodichloromethane	9.889	83	232071	32.842	ug/l	100
48) t-1,3-Dichloropropene	10.836	75	68935	9.604	ug/l	99
49) cis-1,3-Dichloropropene	10.313	75	376677	47.936	ug/l	96
52) 1,3-Dichloropropane	10.830	76	1999	0.231	ug/l	67
53) Dibromochloromethane	11.360	129	195428	38.748	ug/l	98
54) 1,2-Dibromoethane	11.471	107	84354	17.597	ug/l	100
56) Bromoform	12.583	173	1675	0.473	ug/l #	84
58) 4-Methyl-2-Pentanone	10.448	43	680719	86.444	ug/l	99
59) 2-Hexanone	11.201	43	266604	46.433	ug/l	98
61) Tetrachloroethene	11.107	164	80316	20.974	ug/l	86
64) Chlorobenzene	11.895	112	332487	26.207	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.960	131	104205	22.365	ug/l	98
66) Ethyl Benzene	11.966	91	852276	36.988	ug/l	99
67) m/p-Xylenes	12.071	106	355320	40.071	ug/l	93
68) o-Xylene	12.401	106	431056	49.650	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.942	83	446356	60.570	ug/l	98
76) 1,3,5-Trimethylbenzene	13.177	105	253252	13.552	ug/l	96
80) 1,2,4-Trimethylbenzene	13.489	105	432119	23.301	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	157616	16.913	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	152260	16.771	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	412853	44.300	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	14053	9.939	ug/l	97
89) 1,2,4-Trichlorobenzene	15.395	180	74874	18.010	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

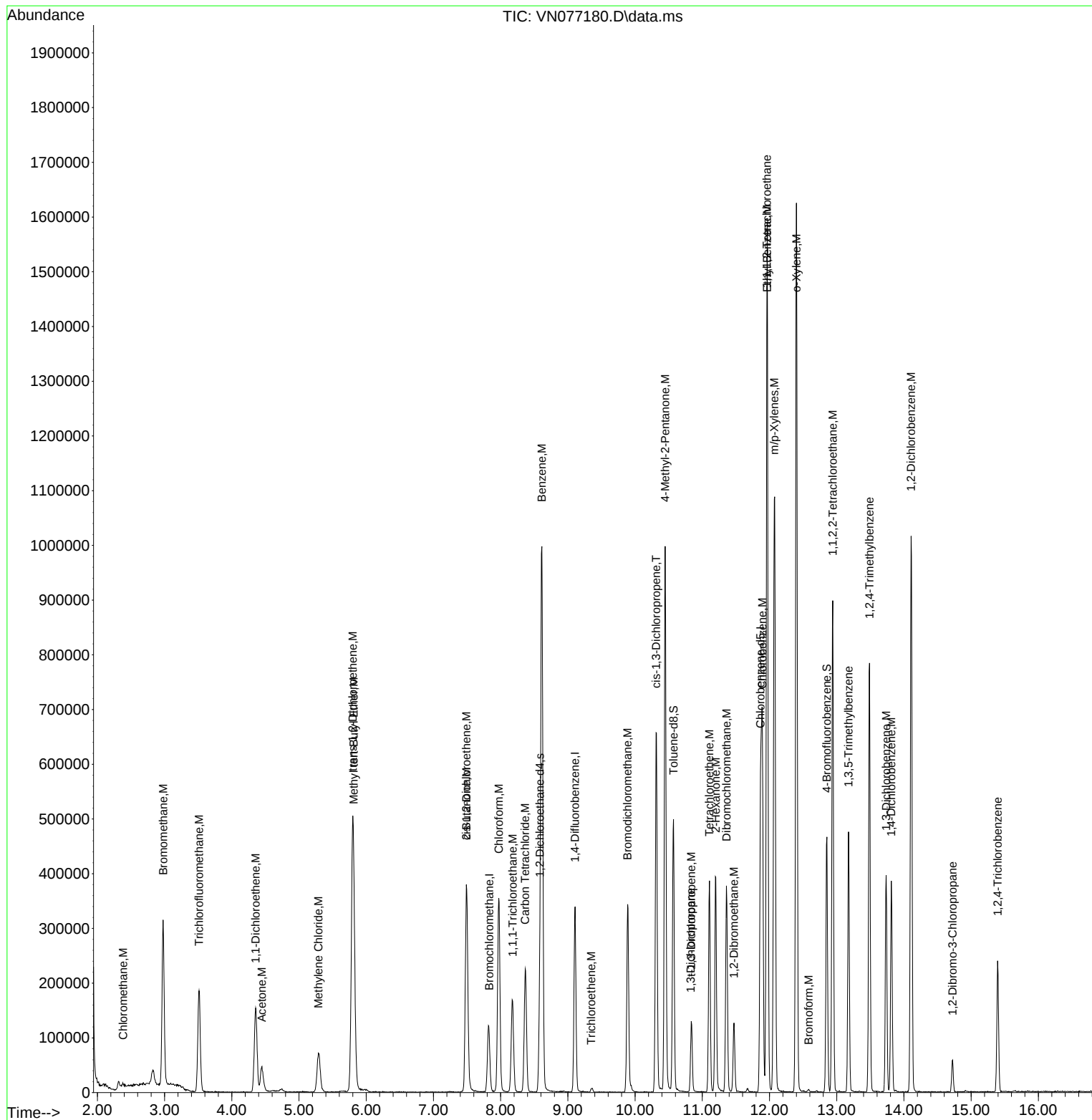
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
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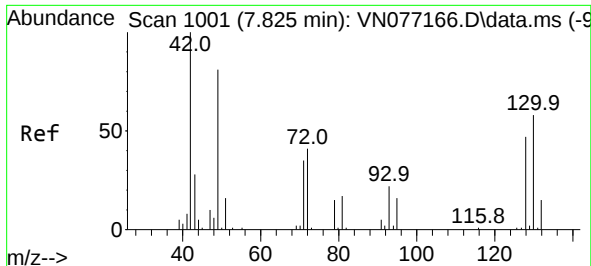
Instrument :
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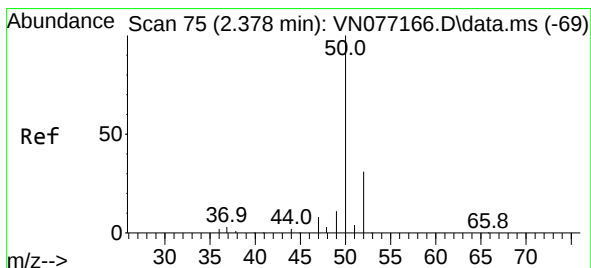
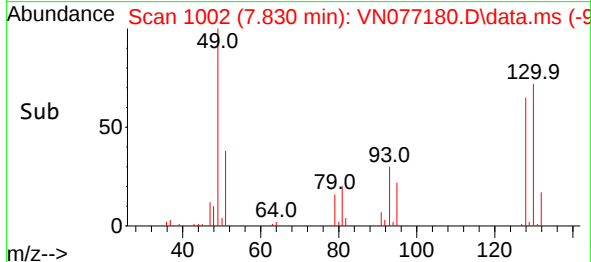
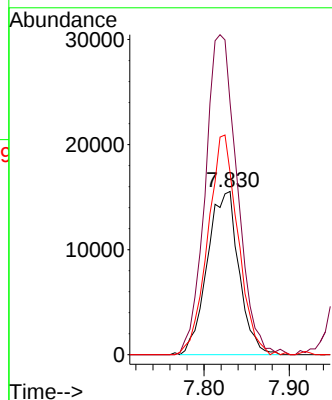
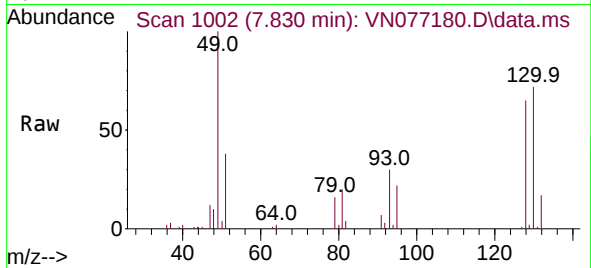
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tgt Ion:128 Resp: 4011
Ion Ratio Lower Upper
128 100
49 196.7 0.0 461.8
130 127.9 0.0 295.3

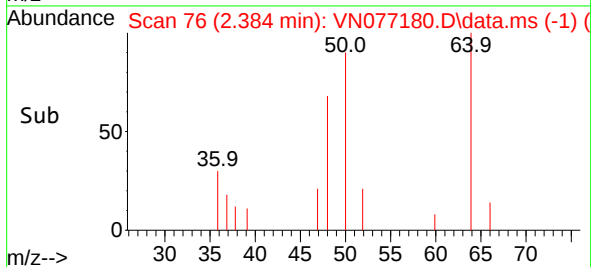
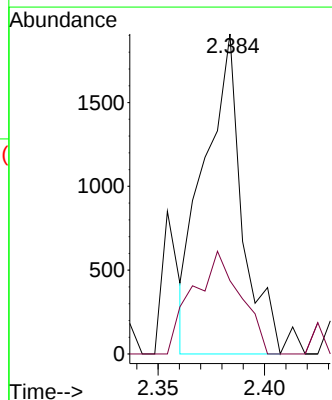
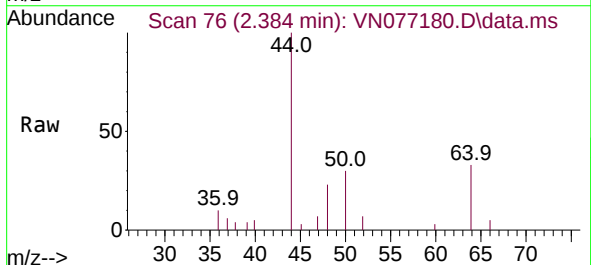
Manual Integrations
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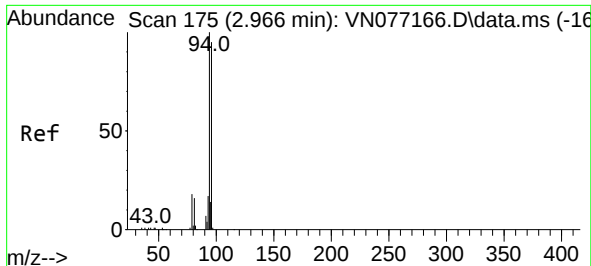
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#3
Chloromethane
Concen: 0.562 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

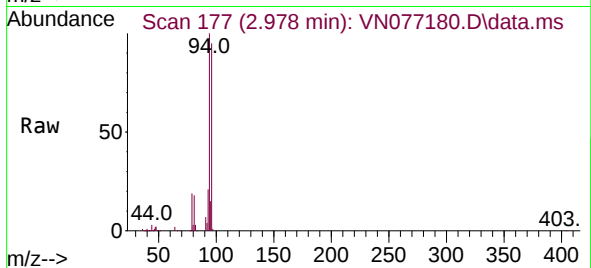
Tgt Ion: 50 Resp: 2364
Ion Ratio Lower Upper
50 100
52 22.9 25.3 37.9#





#5
Bromomethane
Concen: 55.965 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

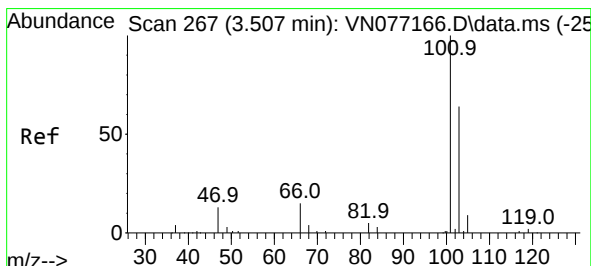
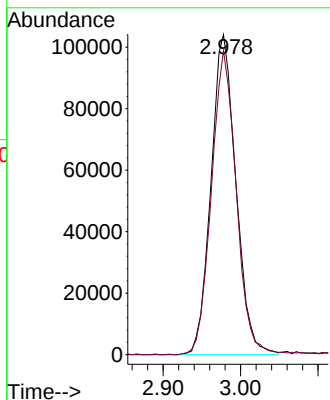
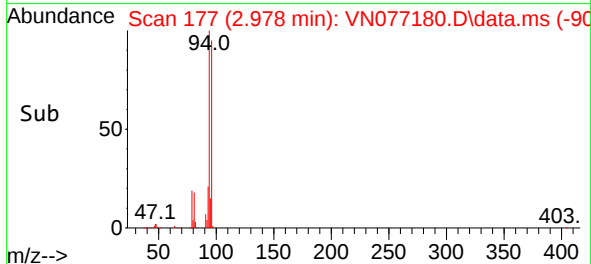
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



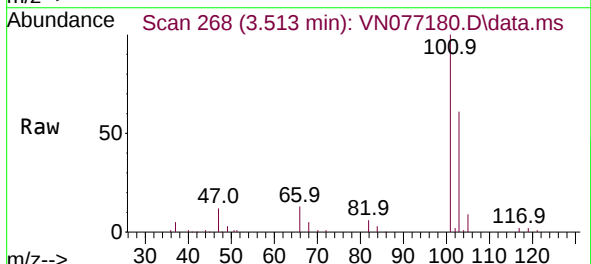
Tgt Ion: 94 Resp: 23257
Ion Ratio Lower Upper
94 100
96 95.0 68.6 103.0

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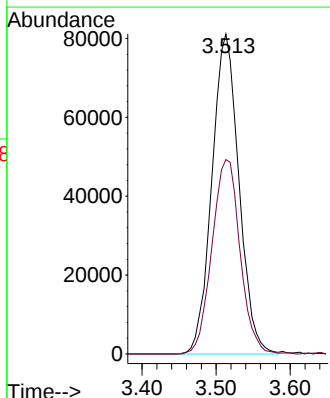
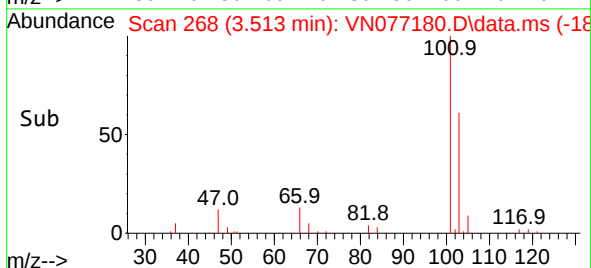
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

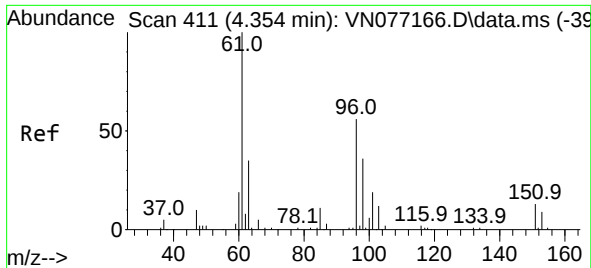


#7
Trichlorofluoromethane
Concen: 24.087 ug/l
RT: 3.513 min Scan# 268
Delta R.T. 0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26



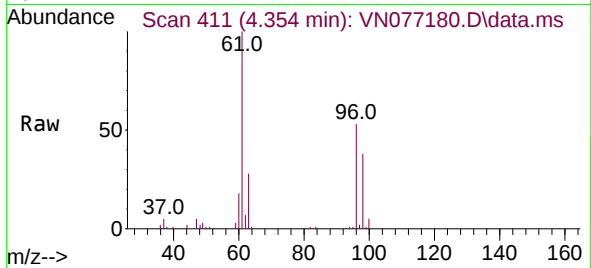
Tgt Ion:101 Resp: 205506
Ion Ratio Lower Upper
101 100
103 60.8 50.2 75.2





#10
1,1-Dichloroethene
Concen: 21.380 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

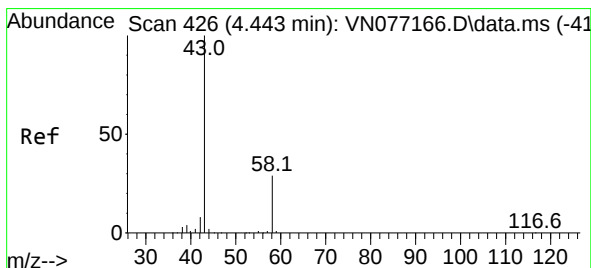
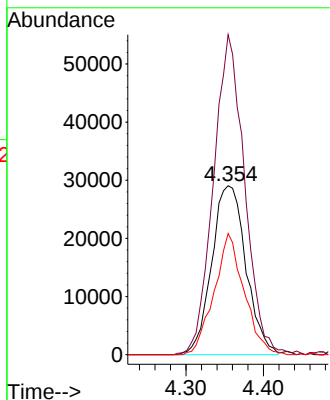
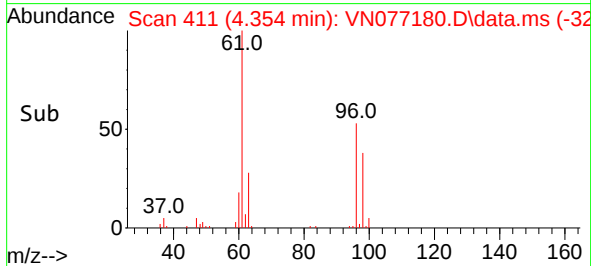
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



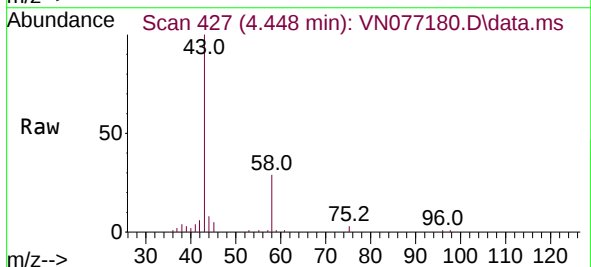
Tgt Ion: 96 Resp: 8924
Ion Ratio Lower Upper
96 100
61 188.6 137.1 205.7
98 71.7 53.2 79.8

Manual Integrations
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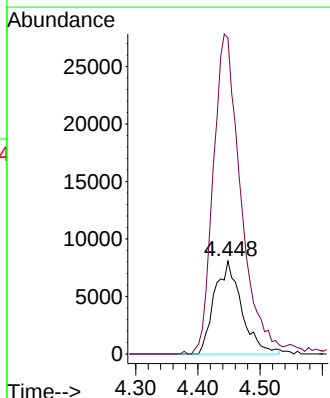
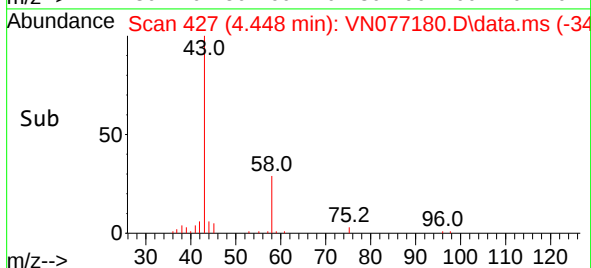
Reviewed By :John Carlone 03/27/2023
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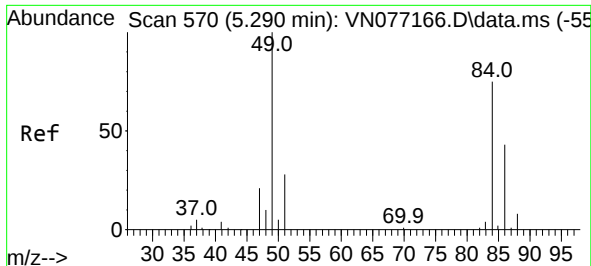


#15
Acetone
Concen: 34.167 ug/l m
RT: 4.448 min Scan# 427
Delta R.T. 0.005 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26



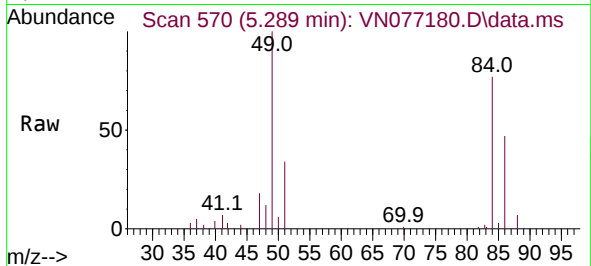
Tgt Ion: 58 Resp: 24394
Ion Ratio Lower Upper
58 100
43 340.4 255.4 383.0





#18
Methylene Chloride
Concen: 10.938 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.001 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

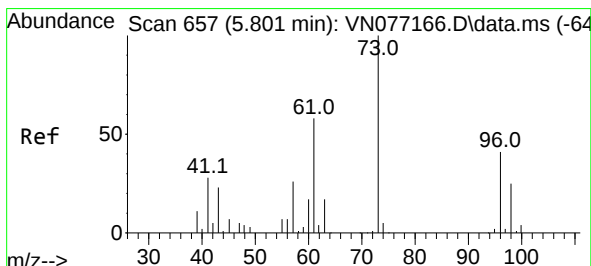
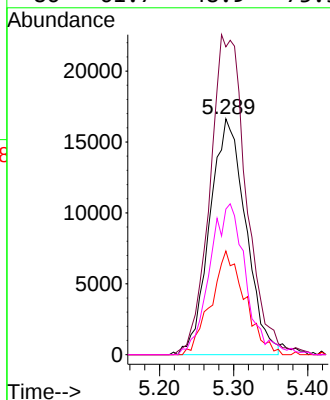
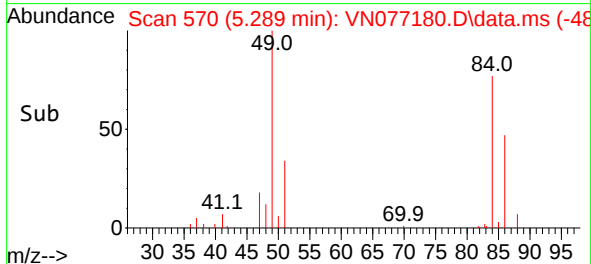
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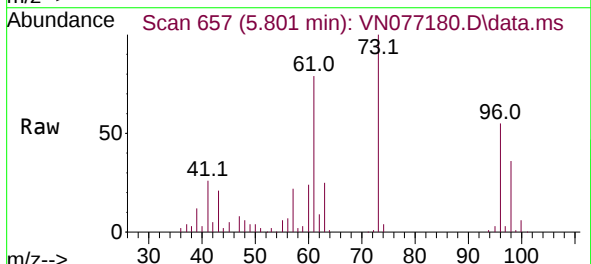
Tgt Ion: 84 Resp: 56110
Ion Ratio Lower Upper
84 100
49 129.1 113.8 170.6
51 44.0 34.2 51.4
86 61.7 48.9 73.3

Manual Integrations
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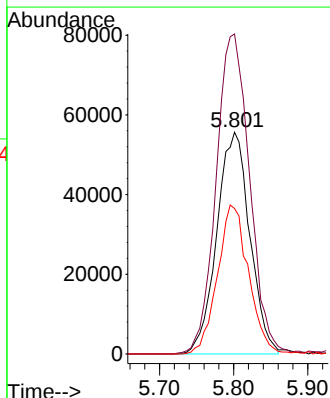
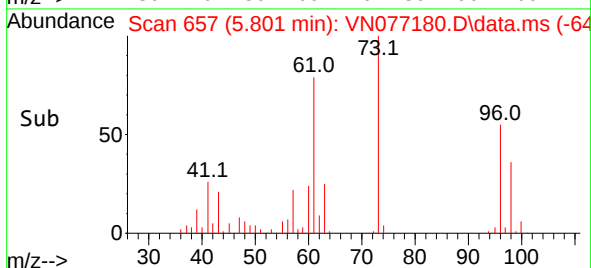
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

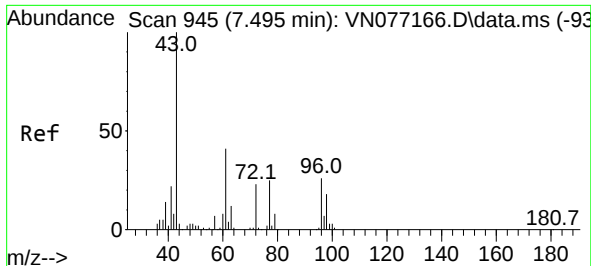


#19
trans-1,2-Dichloroethene
Concen: 38.498 ug/l
RT: 5.801 min Scan# 657
Delta R.T. 0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26



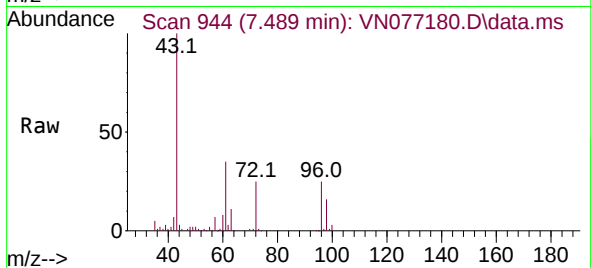
Tgt Ion: 96 Resp: 172170
Ion Ratio Lower Upper
96 100
61 143.9 111.0 166.4
98 65.6 55.0 82.6





#22
 cis-1,2-Dichloroethene
 Concen: 17.410 ug/l
 RT: 7.489 min Scan# 945
 Delta R.T. -0.006 min
 Lab File: VN077180.D
 Acq: 24 Mar 2023 15:26

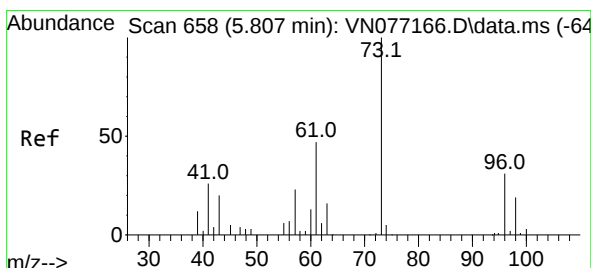
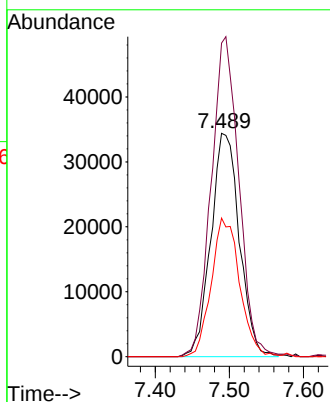
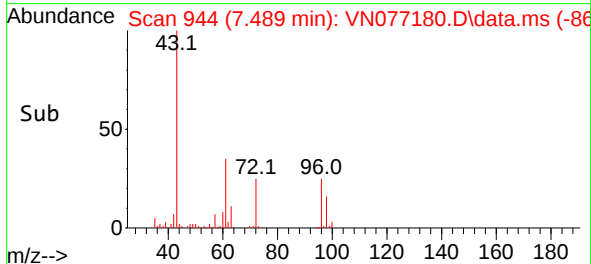
Instrument :
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Tgt Ion: 96 Resp: 91927
 Ion Ratio Lower Upper
 96 100
 61 139.0 121.0 181.4
 98 61.2 50.1 75.1

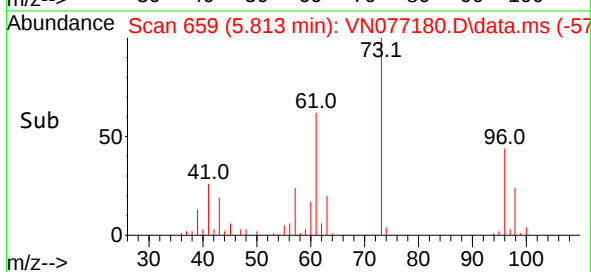
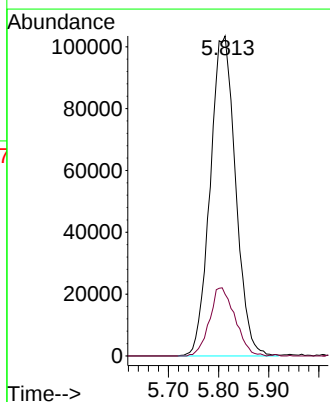
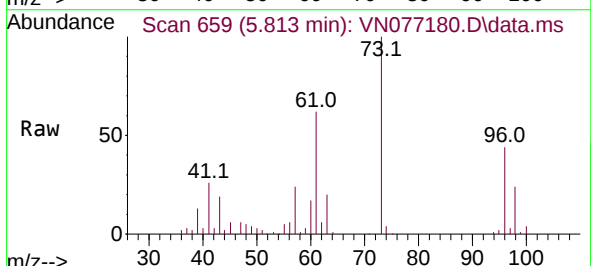
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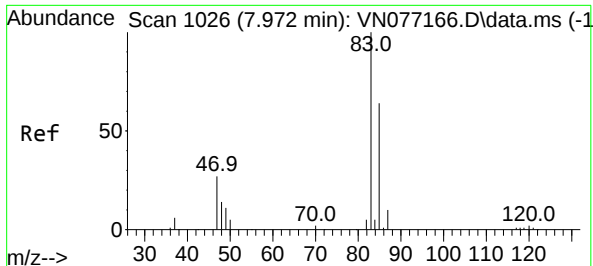
Reviewed By :John Carlone 03/27/2023
 Supervised By :Semsettin Yesilyurt 03/27/2023



#24
 Methyl tert-Butyl Ether
 Concen: 24.583 ug/l
 RT: 5.813 min Scan# 659
 Delta R.T. 0.006 min
 Lab File: VN077180.D
 Acq: 24 Mar 2023 15:26

Tgt Ion: 73 Resp: 364334
 Ion Ratio Lower Upper
 73 100
 43 21.3 17.8 26.6





#25

Chloroform

Concen: 36.993 ug/l

RT: 7.972 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN077180.D

Acq: 24 Mar 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tgt Ion: 83 Resp: 33892

Ion Ratio Lower Upper

83 100

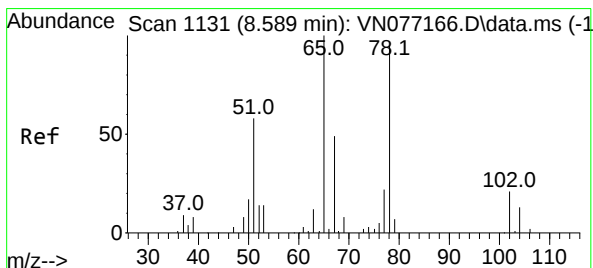
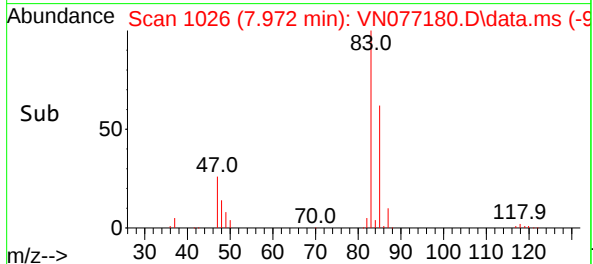
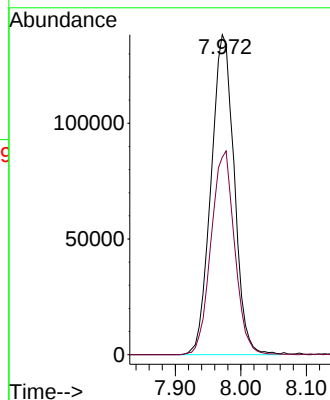
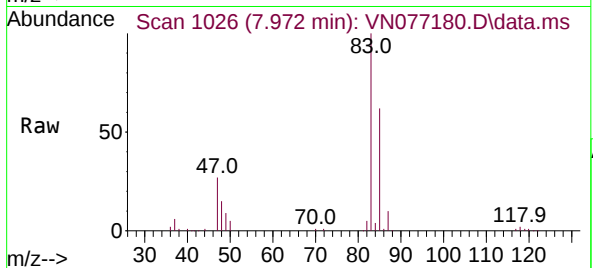
85 61.7 51.8 77.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 03/27/2023



#27

1,2-Dichloroethane-d4

Concen: 30.866 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN077180.D

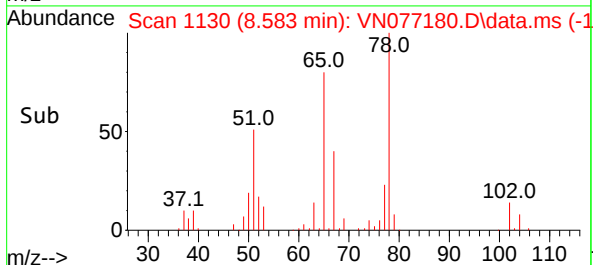
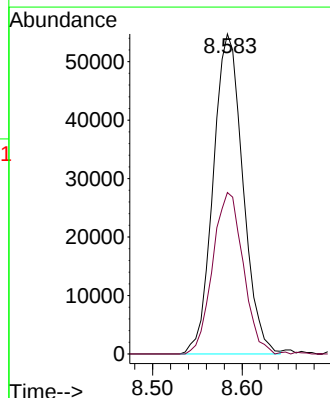
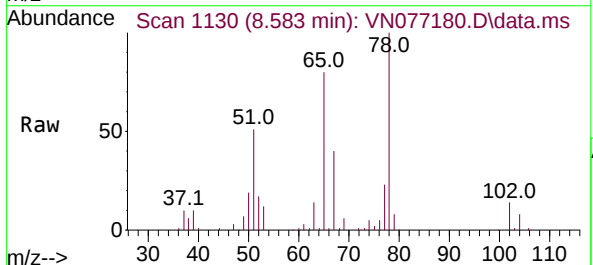
Acq: 24 Mar 2023 15:26

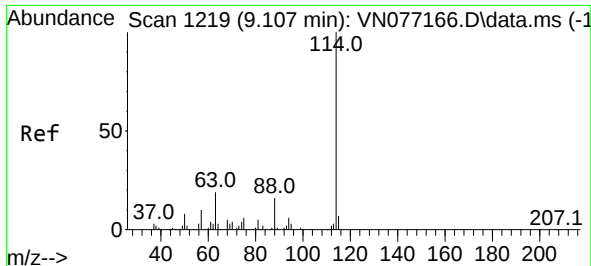
Tgt Ion: 65 Resp: 125753

Ion Ratio Lower Upper

65 100

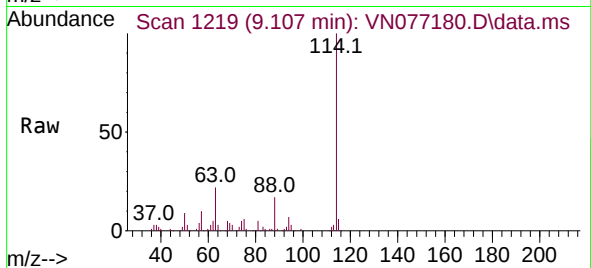
67 51.8 40.9 61.3





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

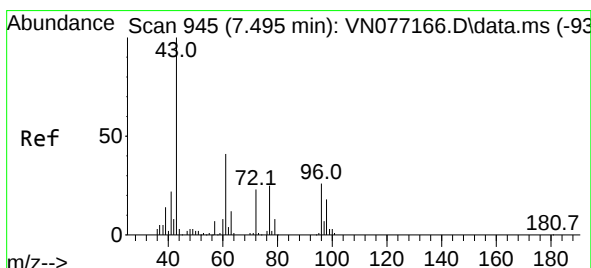
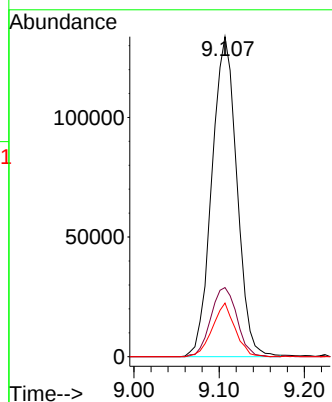
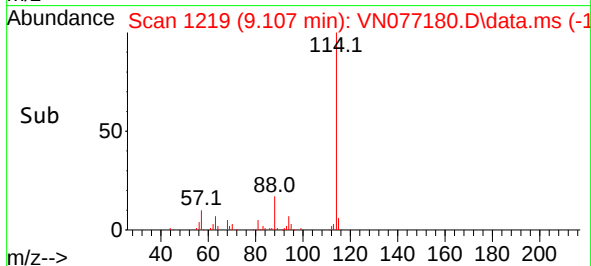
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



Tgt Ion: 114 Resp: 272599
Ion Ratio Lower Upper
114 100
63 22.6 17.0 25.4
88 15.2 11.6 17.4

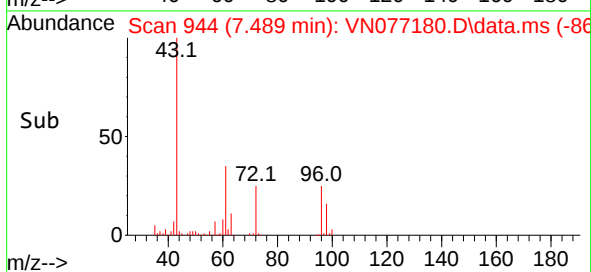
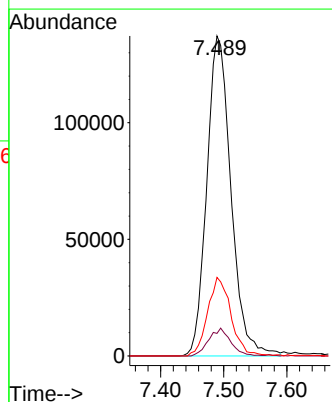
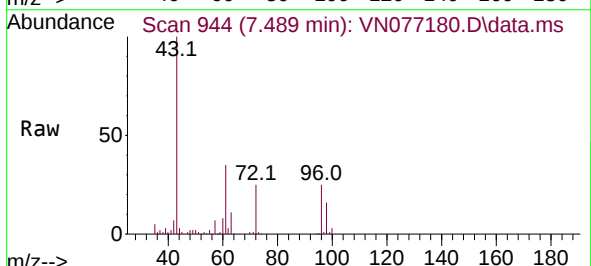
Manual Integrations
APPROVED

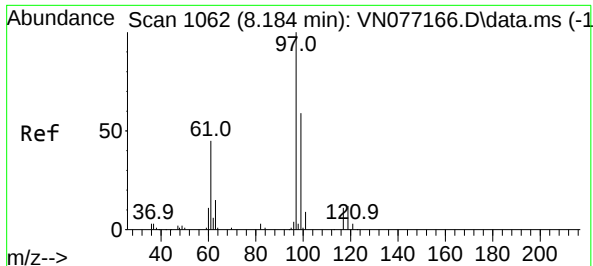
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#30
2-Butanone
Concen: 95.779 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Tgt Ion: 43 Resp: 365393
Ion Ratio Lower Upper
43 100
57 7.8 6.1 9.1
72 23.3 20.2 30.4





#32

1,1,1-Trichloroethane

Concen: 16.282 ug/l

RT: 8.178 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VN077180.D

Acq: 24 Mar 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tgt Ion: 97 Resp: 129824

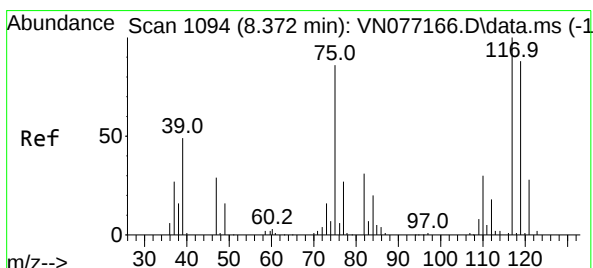
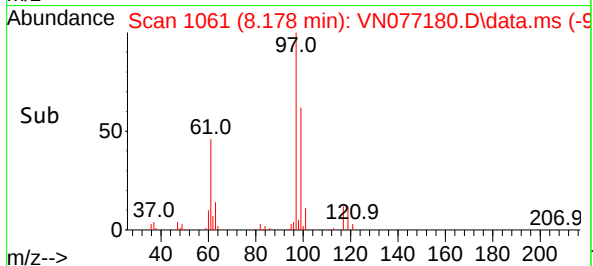
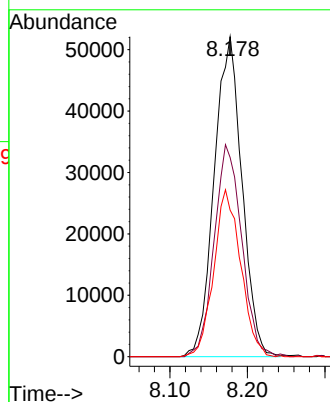
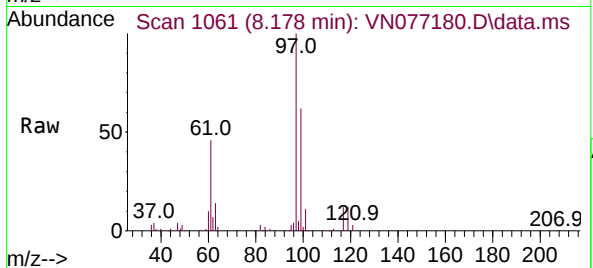
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.8
61	50.4	39.3	58.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#33

Carbon Tetrachloride

Concen: 24.298 ug/l

RT: 8.366 min Scan# 1093

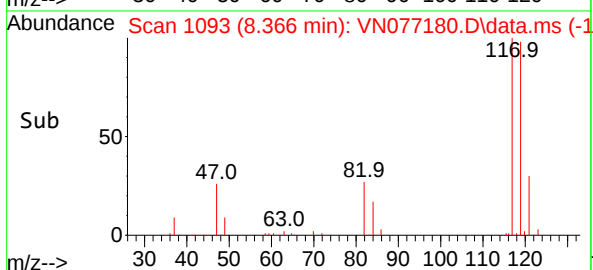
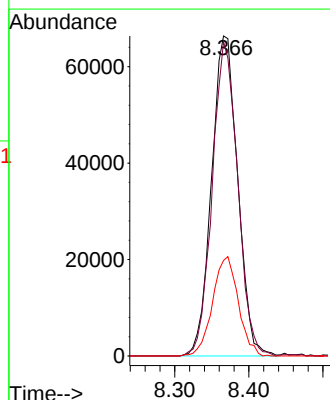
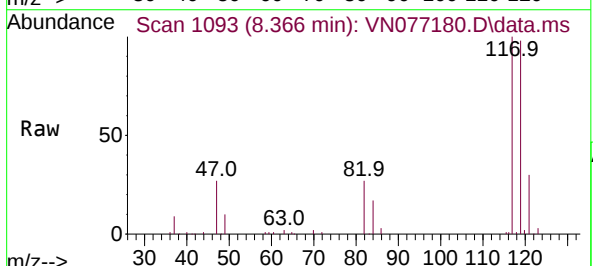
Delta R.T. -0.006 min

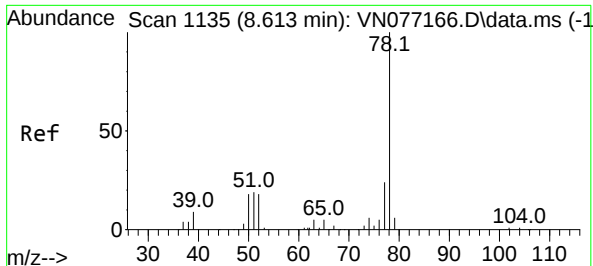
Lab File: VN077180.D

Acq: 24 Mar 2023 15:26

Tgt Ion:117 Resp: 162750

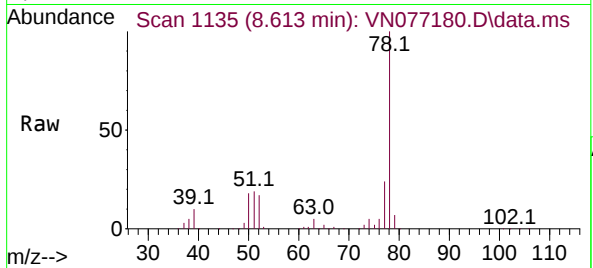
Ion	Ratio	Lower	Upper
117	100		
119	98.3	79.8	119.8
121	29.8	23.4	35.0





#34
Benzene
Concen: 48.566 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

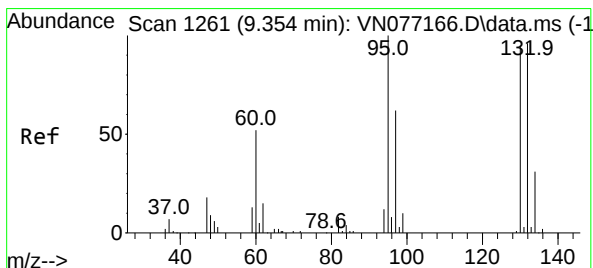
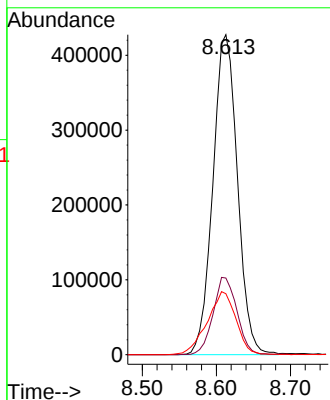
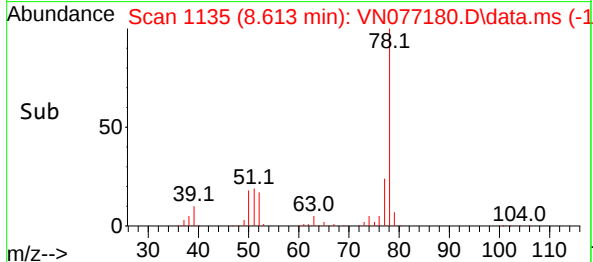
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



Tgt Ion: 78 Resp: 98444
Ion Ratio Lower Upper
78 100
77 24.0 17.4 26.2
51 18.9 13.8 20.6

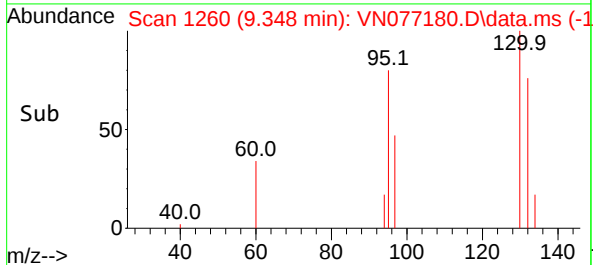
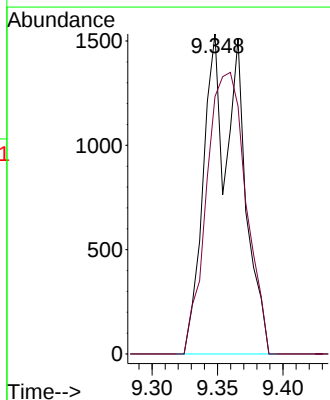
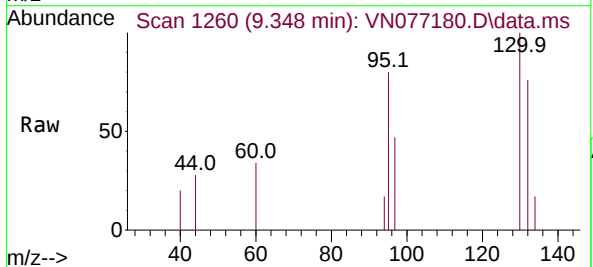
Manual Integrations
APPROVED

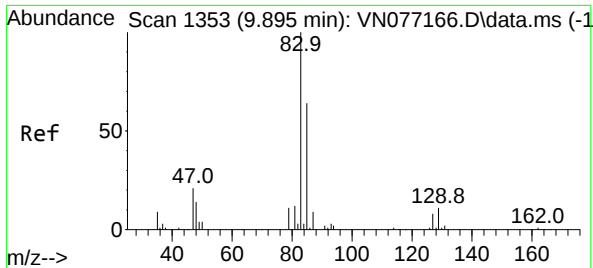
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#37
Trichloroethene
Concen: 0.633 ug/l m
RT: 9.348 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

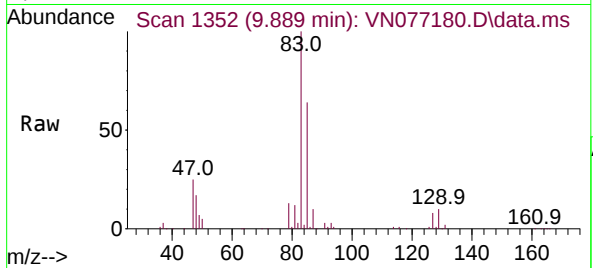
Tgt Ion:130 Resp: 2900
Ion Ratio Lower Upper
130 100
95 80.4 78.7 118.1





#41
Bromodichloromethane
Concen: 32.842 ug/l
RT: 9.889 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

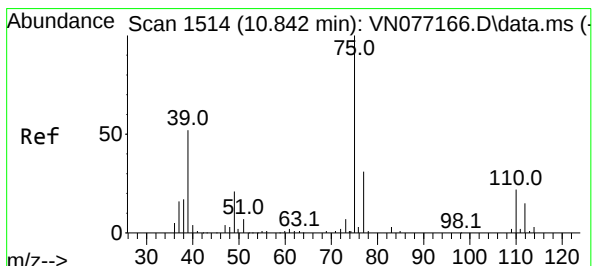
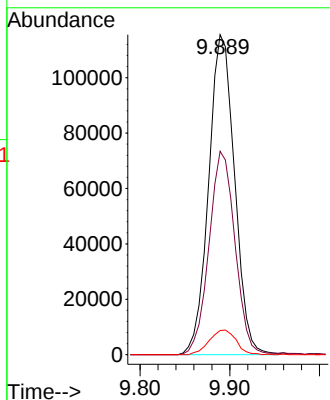
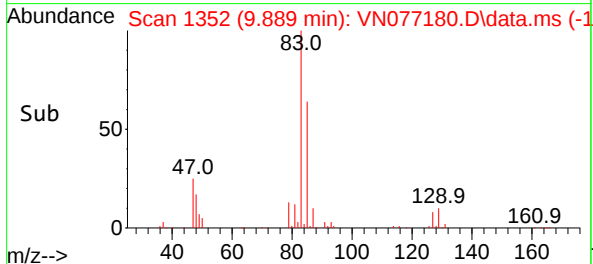
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



Tgt Ion: 83 Resp: 23207
Ion Ratio Lower Upper
83 100
85 63.6 51.0 76.4
127 7.5 6.2 9.2

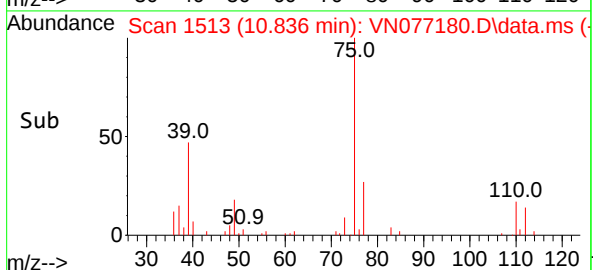
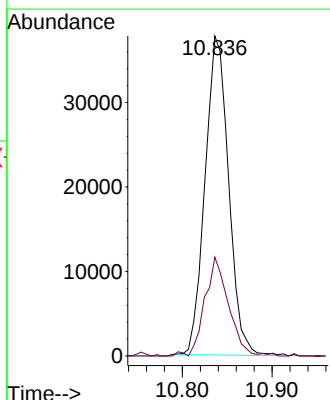
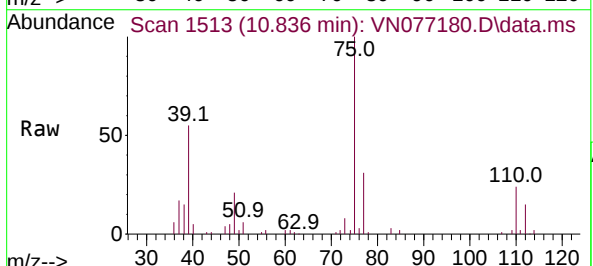
Manual Integrations
APPROVED

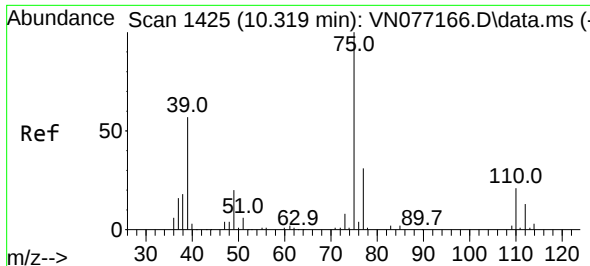
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#48
t-1,3-Dichloropropene
Concen: 9.604 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Tgt Ion: 75 Resp: 68935
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2





#49

cis-1,3-Dichloropropene

Concen: 47.936 ug/l

RT: 10.313 min Scan# 1424

Delta R.T. -0.006 min

Lab File: VN077180.D

Acq: 24 Mar 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tgt Ion: 75 Resp: 37667

Ion Ratio Lower Upper

75 100

77 30.6 27.5 41.3

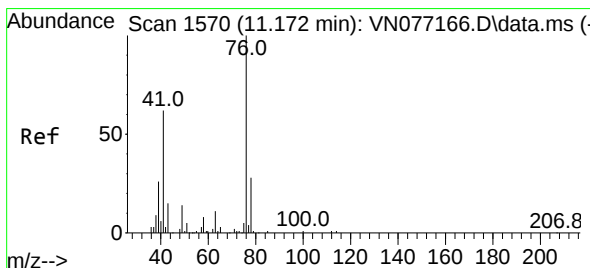
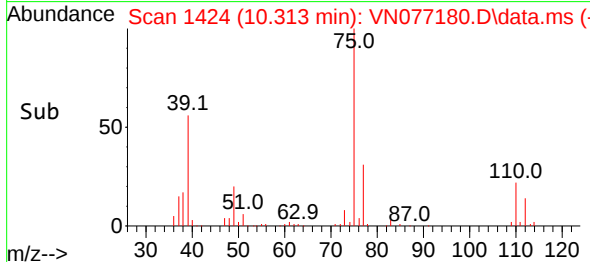
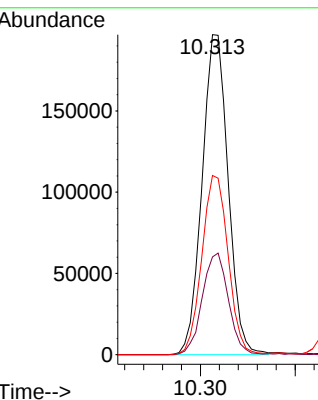
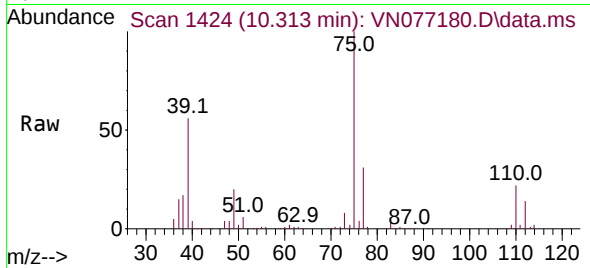
39 56.0 43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#52

1,3-Dichloropropane

Concen: 0.231 ug/l

RT: 10.830 min Scan# 1512

Delta R.T. -0.342 min

Lab File: VN077180.D

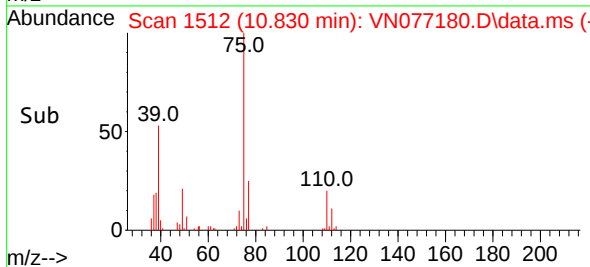
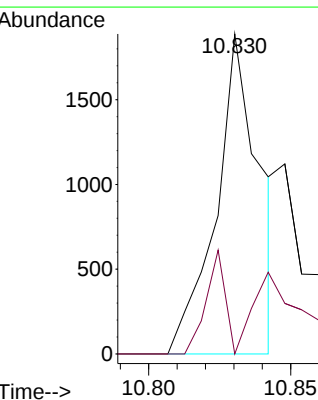
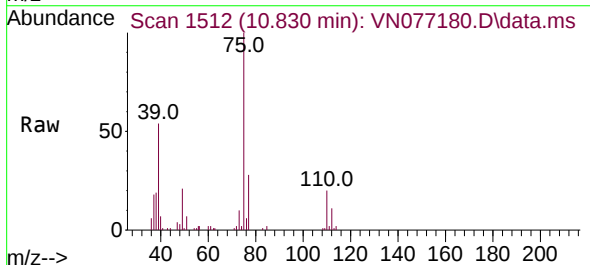
Acq: 24 Mar 2023 15:26

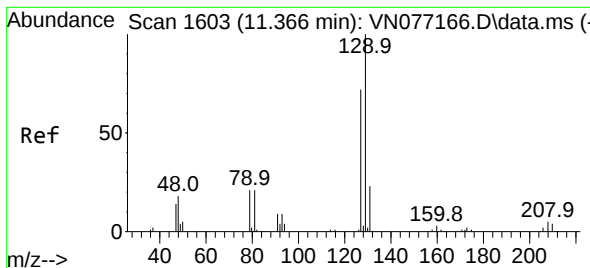
Tgt Ion: 76 Resp: 1999

Ion Ratio Lower Upper

76 100

78 14.3 0.0 65.4





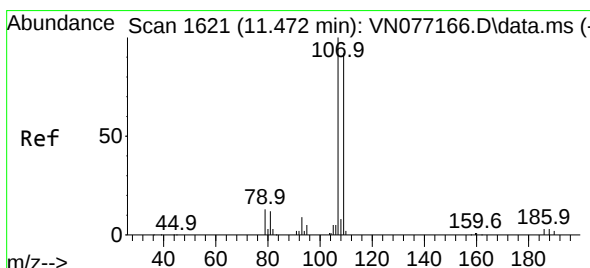
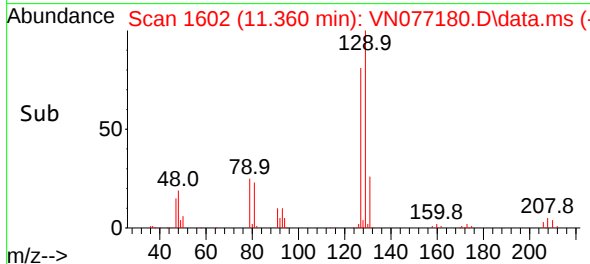
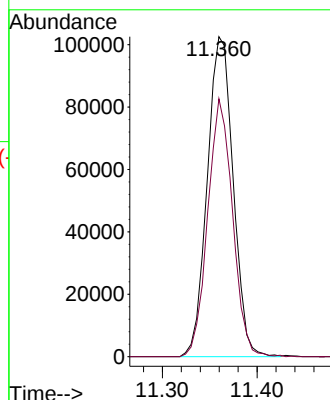
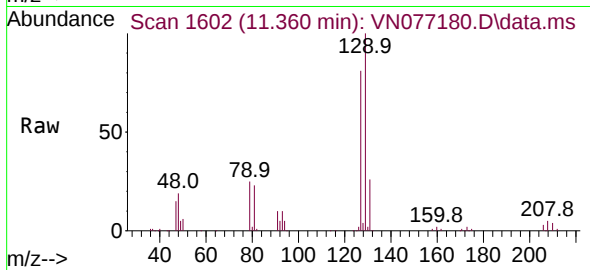
#53
Dibromochloromethane
Concen: 38.748 ug/l
RT: 11.360 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tgt Ion:129 Resp: 195428
Ion Ratio Lower Upper
129 100
127 77.1 39.4 118.1

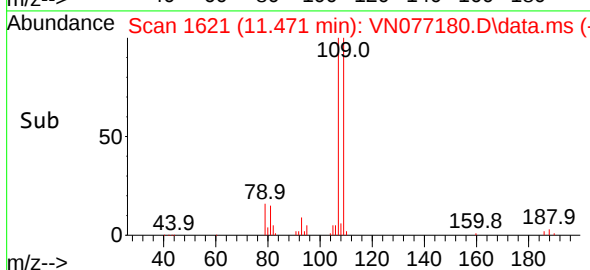
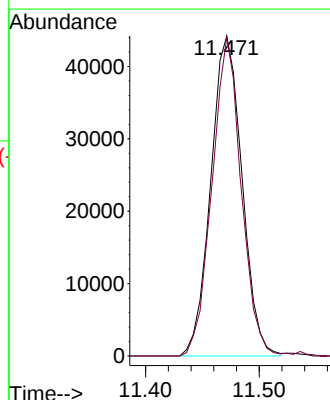
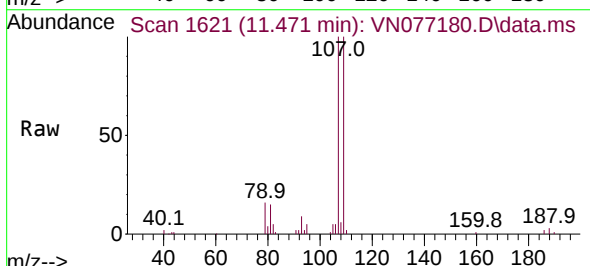
Manual Integrations
APPROVED

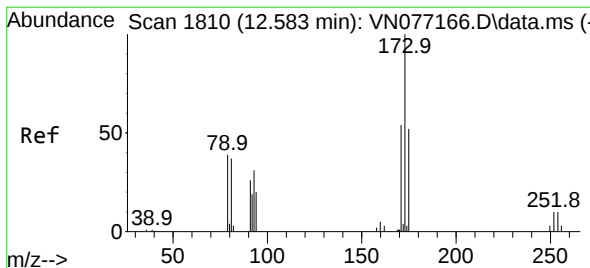
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#54
1,2-Dibromoethane
Concen: 17.597 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. -0.001 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

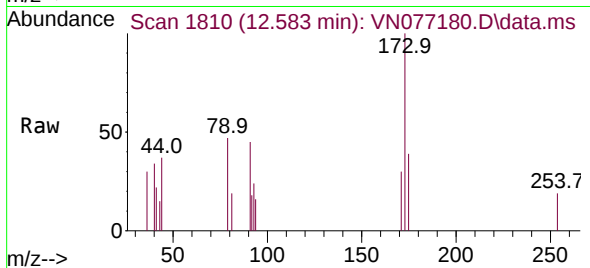
Tgt Ion:107 Resp: 84354
Ion Ratio Lower Upper
107 100
109 92.8 74.6 112.0





#56
Bromoform
Concen: 0.473 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

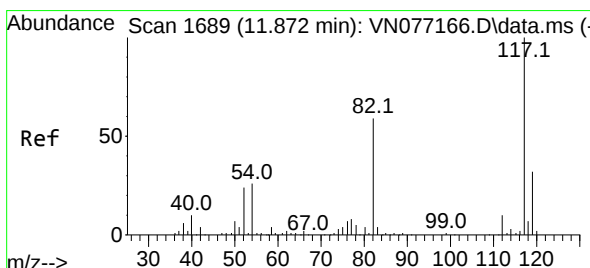
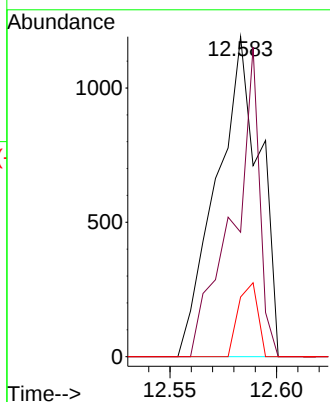
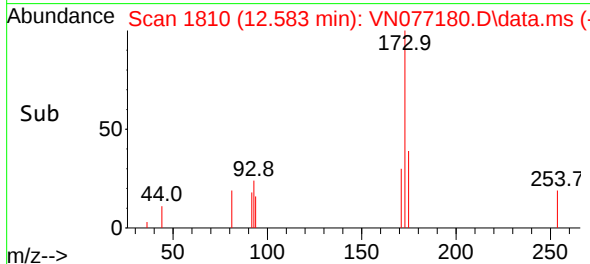
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



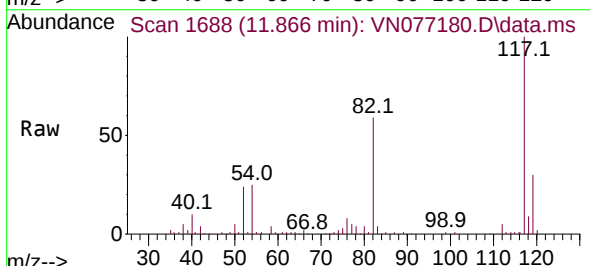
Tgt Ion:173 Resp: 1679
Ion Ratio Lower Upper
173 100
175 59.4 37.8 56.6
254 10.4 7.3 10.9

Manual Integrations
APPROVED

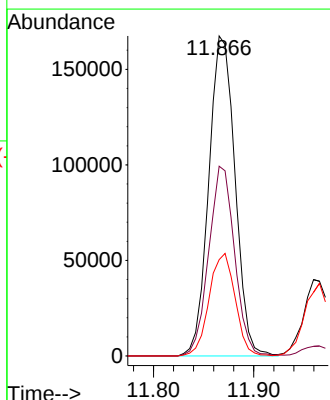
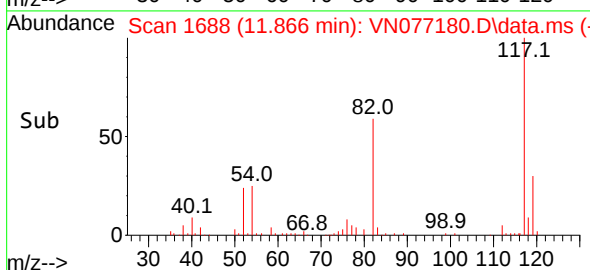
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

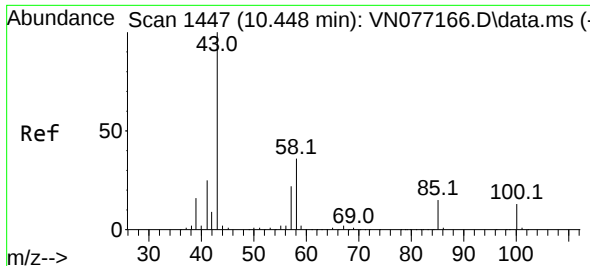


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26



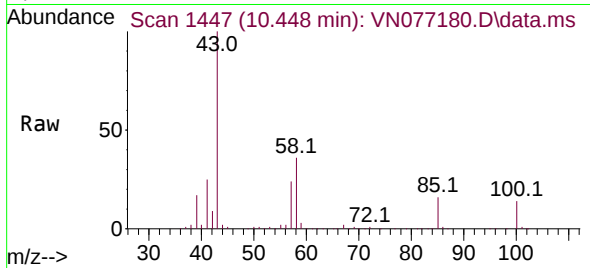
Tgt Ion:117 Resp: 305111
Ion Ratio Lower Upper
117 100
82 58.5 45.4 68.0
119 31.7 26.8 40.2





#58
4-Methyl-2-Pentanone
Concen: 86.444 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

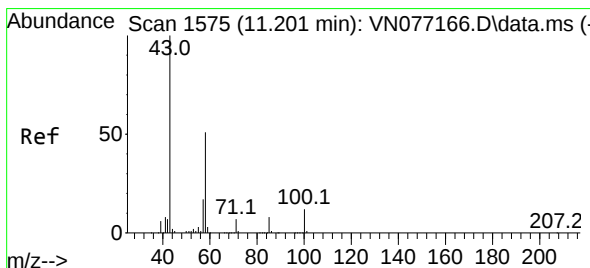
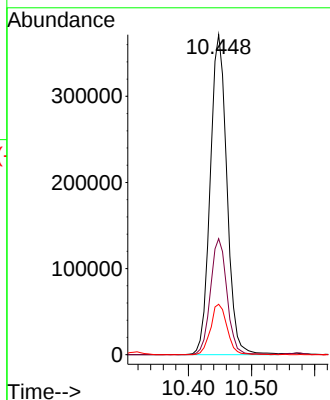
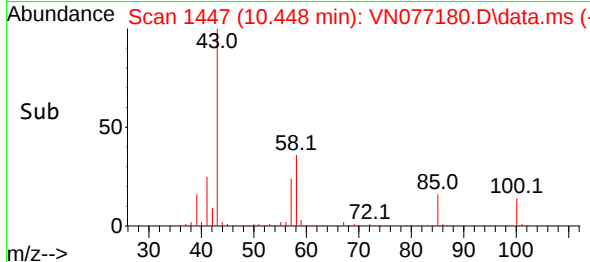
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



Tgt Ion: 43 Resp: 680719
Ion Ratio Lower Upper
43 100
58 36.0 28.6 42.8
85 15.6 11.8 17.8

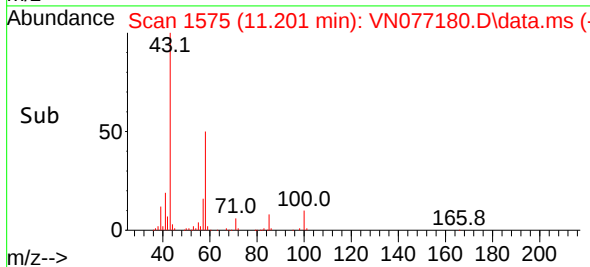
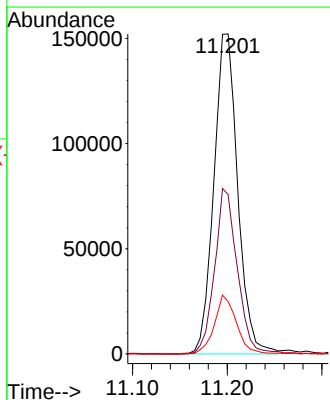
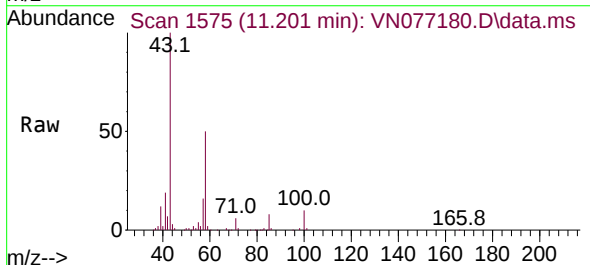
Manual Integrations
APPROVED

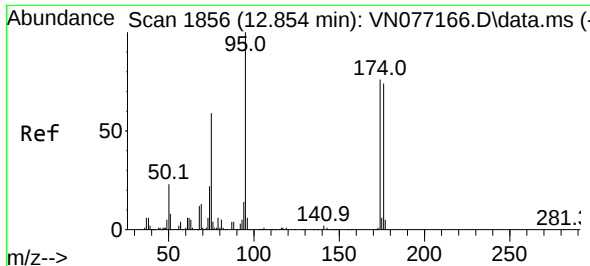
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#59
2-Hexanone
Concen: 46.433 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

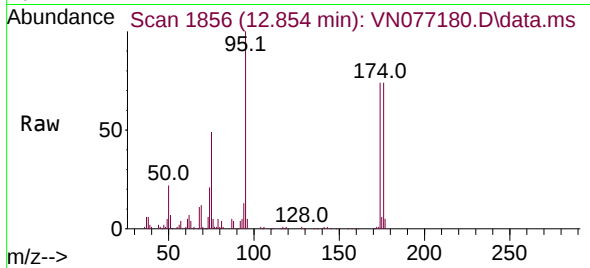
Tgt Ion: 43 Resp: 266604
Ion Ratio Lower Upper
43 100
58 49.0 40.6 60.8
57 17.0 13.1 19.7





#60
4-Bromofluorobenzene
Concen: 27.805 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

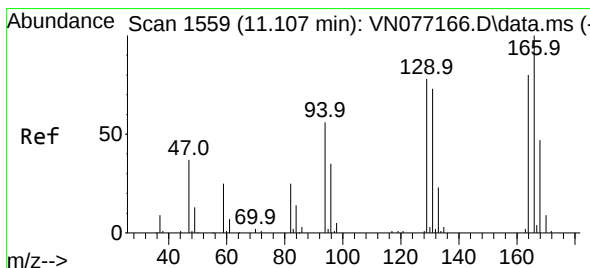
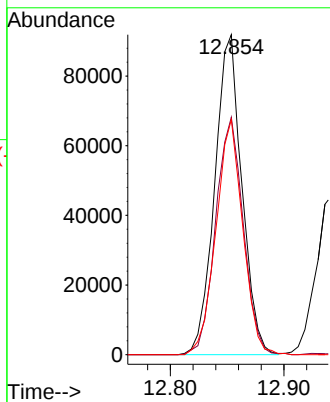
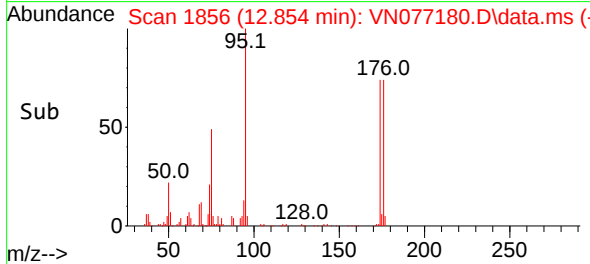
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



Tgt Ion: 95 Resp: 15240
Ion Ratio Lower Upper
95 100
174 75.4 64.2 96.4
176 72.7 61.4 92.0

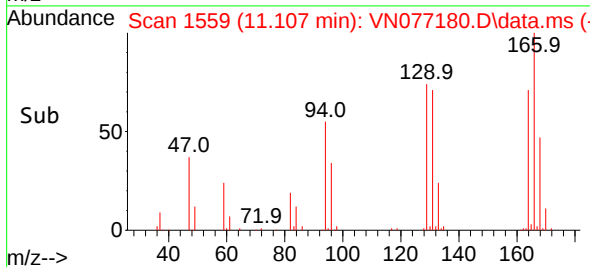
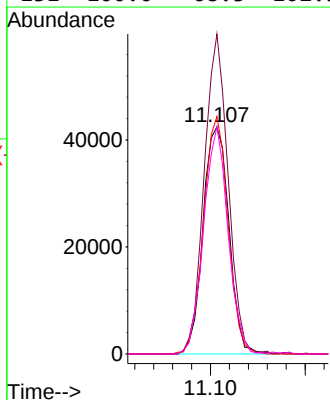
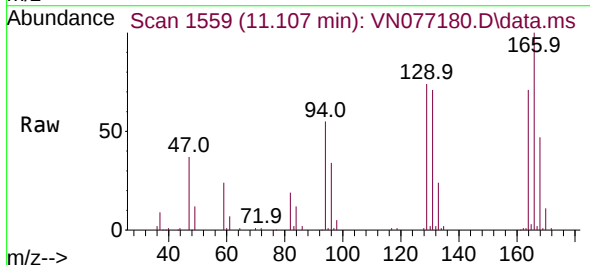
Manual Integrations
APPROVED

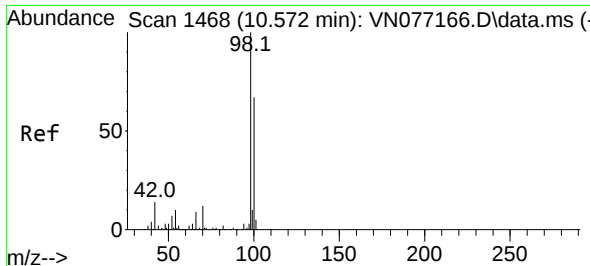
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#61
Tetrachloroethene
Concen: 20.974 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

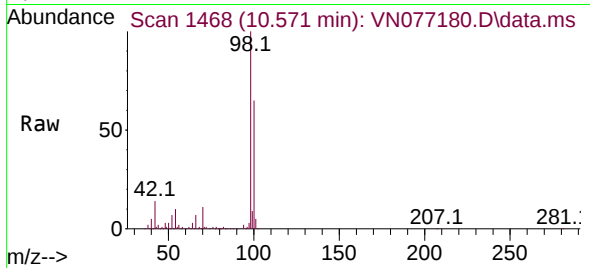
Tgt Ion:164 Resp: 80316
Ion Ratio Lower Upper
164 100
166 140.8 96.2 144.2
129 104.4 78.2 117.4
131 100.0 68.3 102.5





#63
Toluene-d8
Concen: 30.907 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

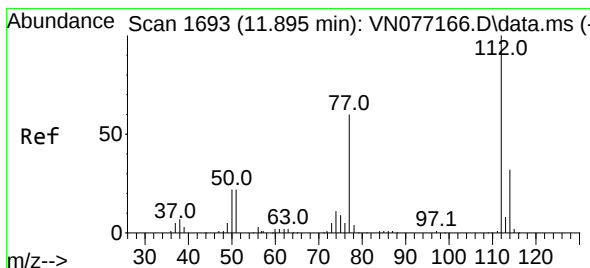
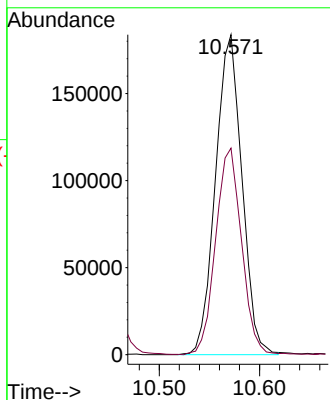
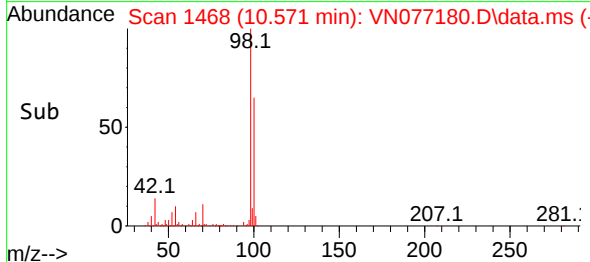
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



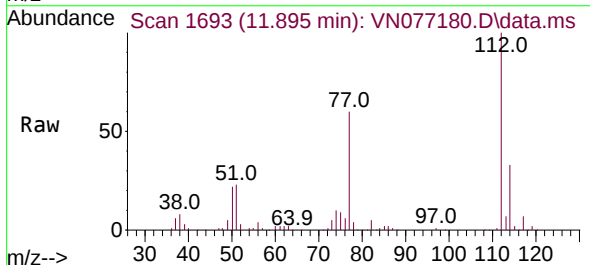
Tgt Ion: 98 Resp: 336625
Ion Ratio Lower Upper
98 100
100 63.4 53.8 80.6

Manual Integrations
APPROVED

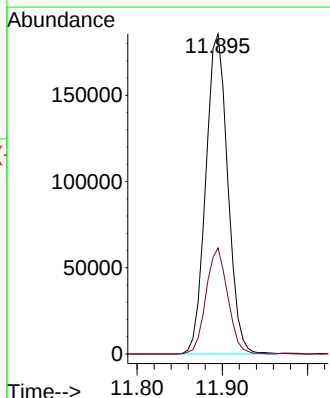
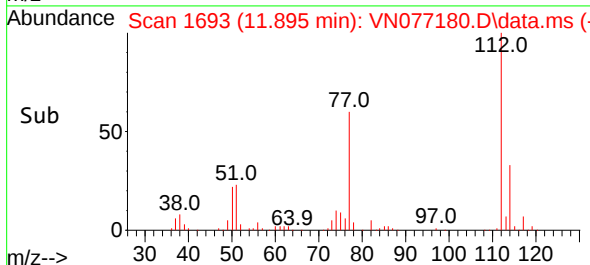
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

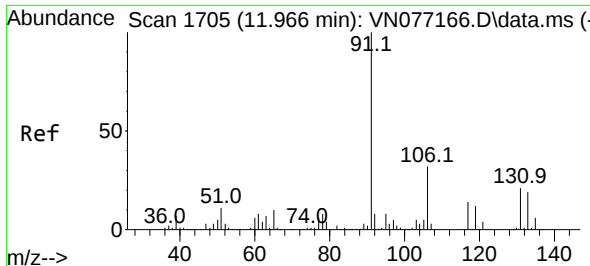


#64
Chlorobenzene
Concen: 26.207 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26



Tgt Ion:112 Resp: 332487
Ion Ratio Lower Upper
112 100
114 33.2 24.5 36.7





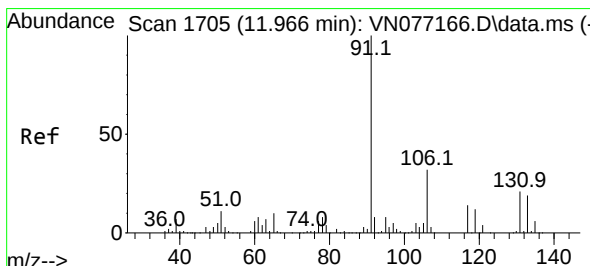
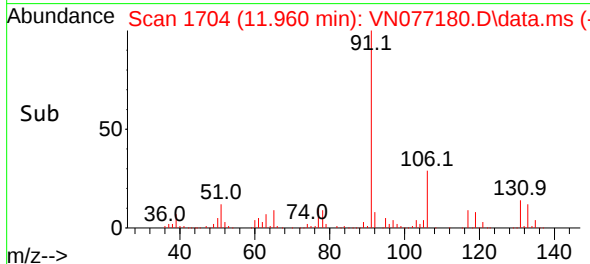
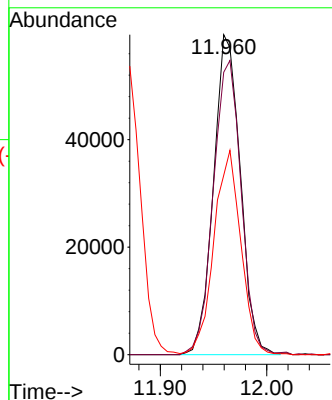
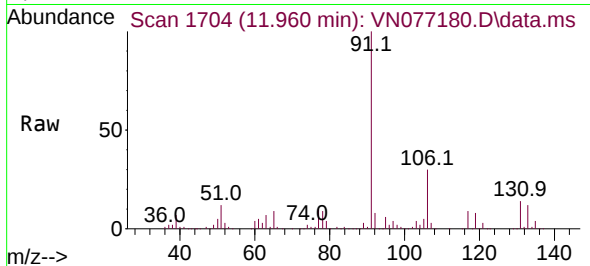
#65
1,1,1,2-Tetrachloroethane
Concen: 22.365 ug/l
RT: 11.960 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tgt Ion:131 Resp: 10420
Ion Ratio Lower Upper
131 100
133 95.0 0.0 197.6
119 64.2 0.0 127.8

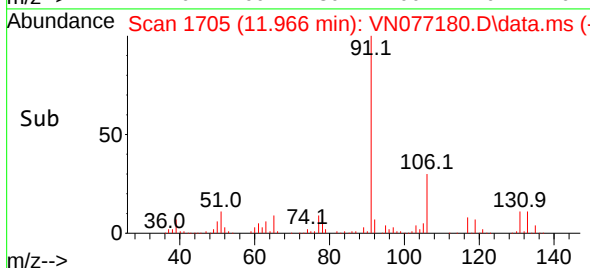
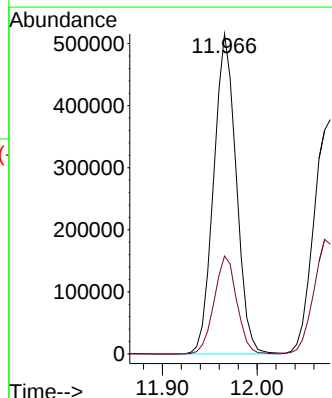
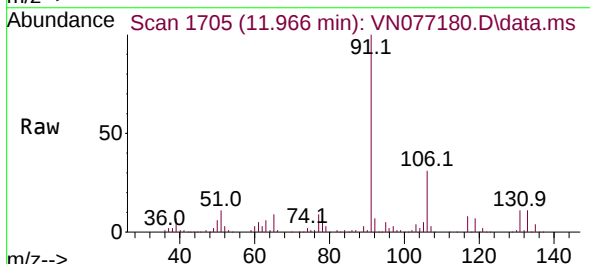
Manual Integrations
APPROVED

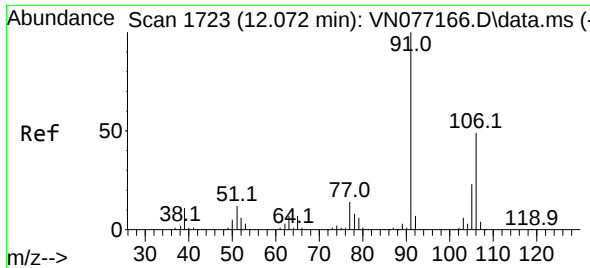
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#66
Ethyl Benzene
Concen: 36.988 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Tgt Ion: 91 Resp: 852276
Ion Ratio Lower Upper
91 100
106 30.6 23.8 35.8





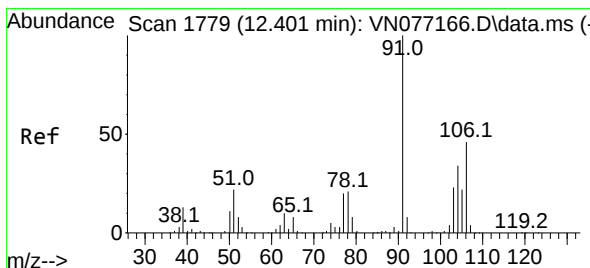
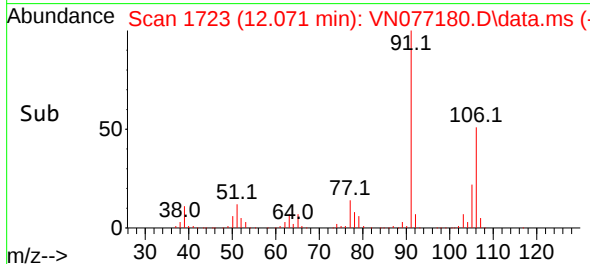
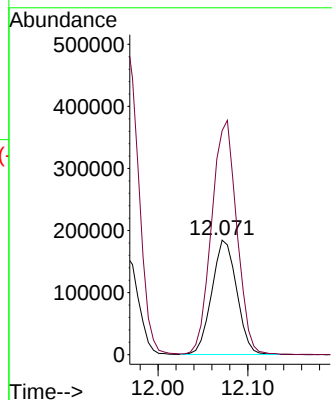
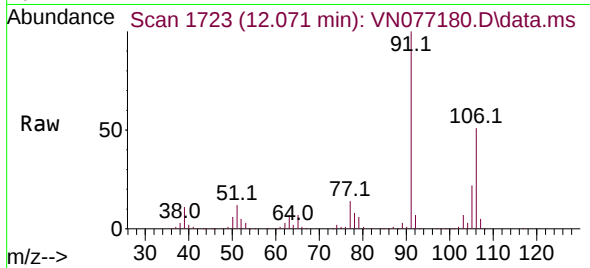
#67
m/p-Xylenes
Concen: 40.071 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tgt Ion:106 Resp: 355320
Ion Ratio Lower Upper
106 100
91 207.3 157.4 236.2

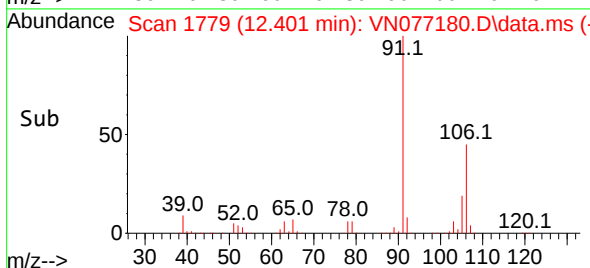
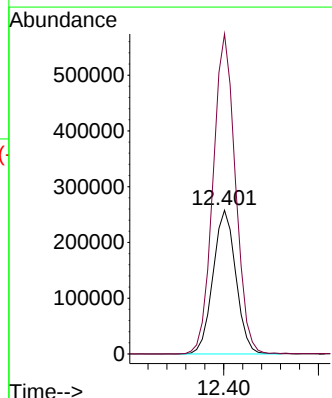
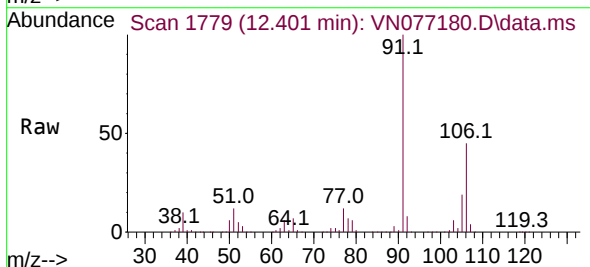
Manual Integrations
APPROVED

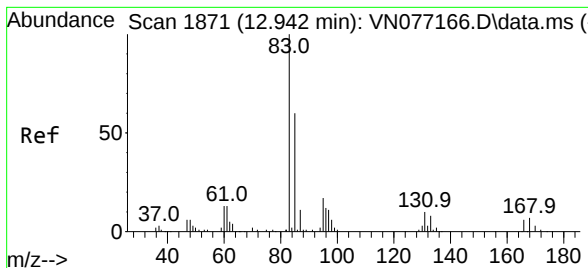
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#68
o-Xylene
Concen: 49.650 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

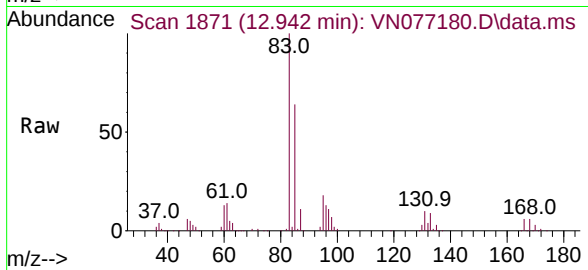
Tgt Ion:106 Resp: 431056
Ion Ratio Lower Upper
106 100
91 218.7 107.2 321.6





#71
1,1,2,2-Tetrachloroethane
Concen: 60.570 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

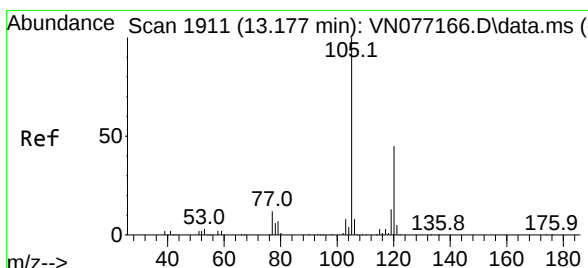
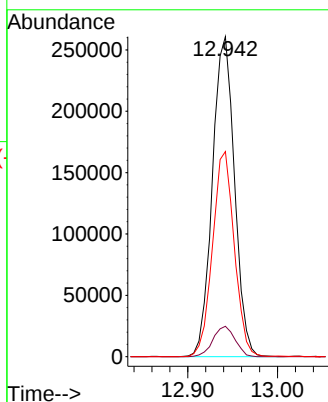
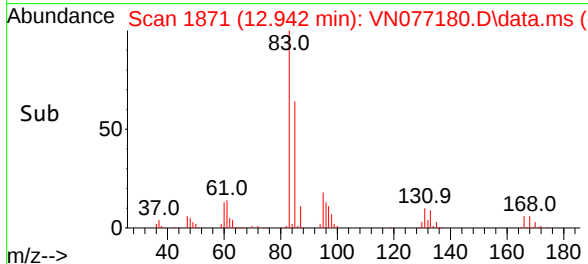
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



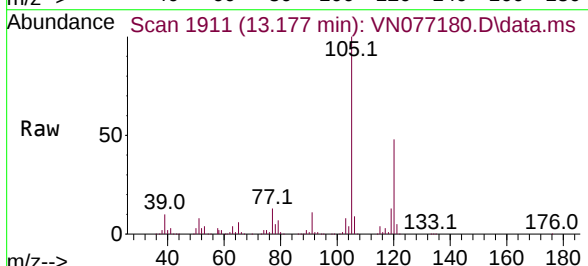
Tgt Ion: 83 Resp: 446350
Ion Ratio Lower Upper
83 100
131 9.5 5.0 14.9
85 63.0 32.3 96.9

Manual Integrations
APPROVED

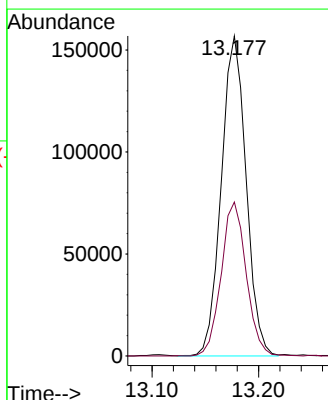
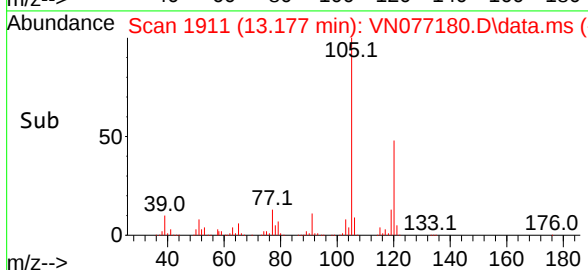
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

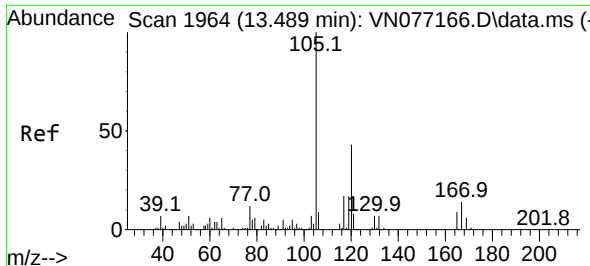


#76
1,3,5-Trimethylbenzene
Concen: 13.552 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26



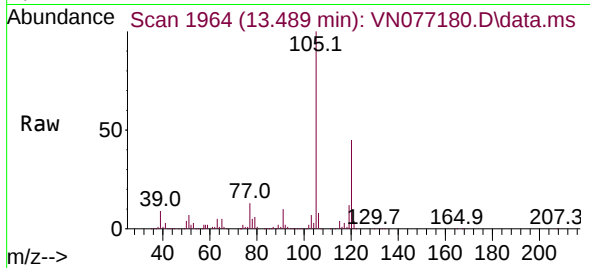
Tgt Ion:105 Resp: 253252
Ion Ratio Lower Upper
105 100
120 48.6 0.0 103.2





#80
1,2,4-Trimethylbenzene
Concen: 23.301 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

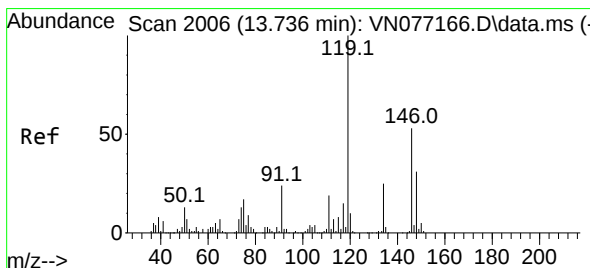
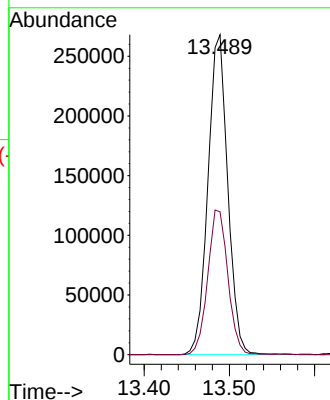
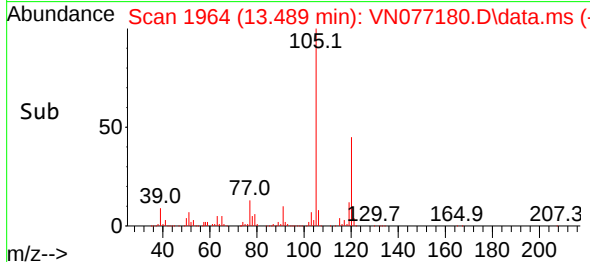
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



Tgt Ion:105 Resp: 432119
Ion Ratio Lower Upper
105 100
120 46.2 0.0 93.2

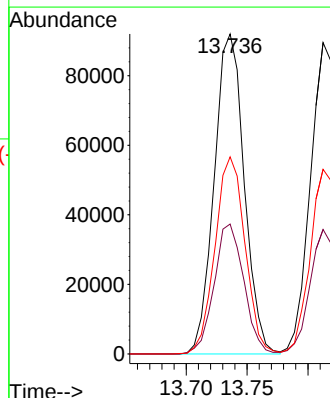
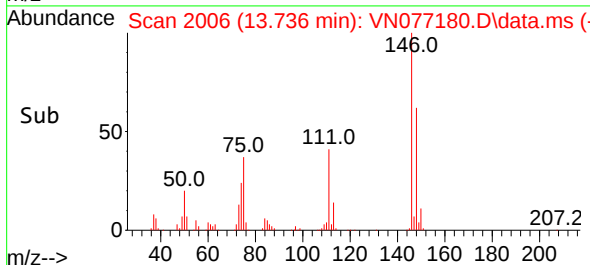
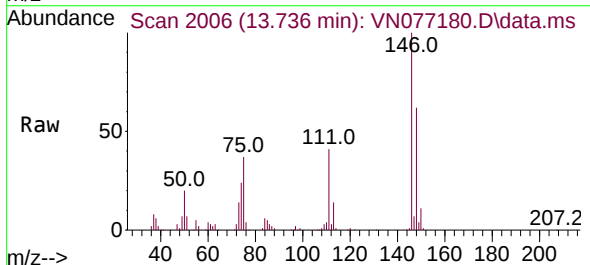
Manual Integrations
APPROVED

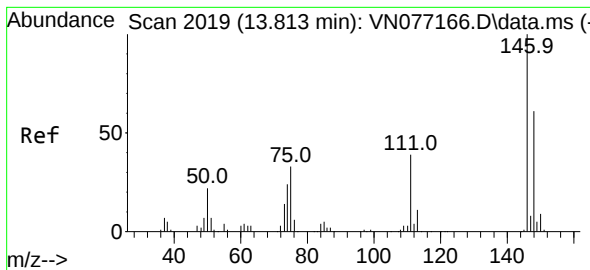
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#83
1,3-Dichlorobenzene
Concen: 16.913 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

Tgt Ion:146 Resp: 157616
Ion Ratio Lower Upper
146 100
111 40.2 20.3 60.8
148 61.2 31.9 95.5





#84

1,4-Dichlorobenzene

Concen: 16.771 ug/l

RT: 13.812 min Scan# 2019

Delta R.T. -0.001 min

Lab File: VN077180.D

Acq: 24 Mar 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tgt Ion:146 Resp: 152260

Ion Ratio Lower Upper

146 100

111 39.8 18.2 54.6

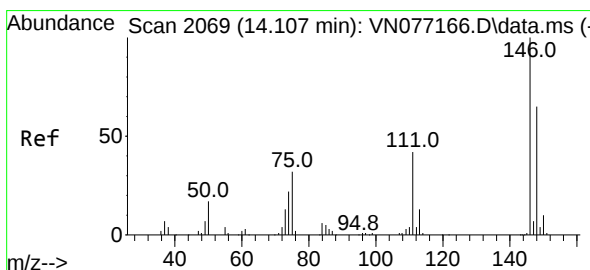
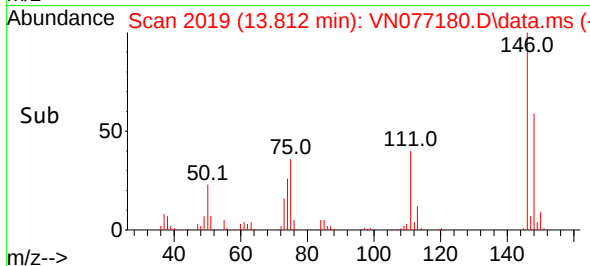
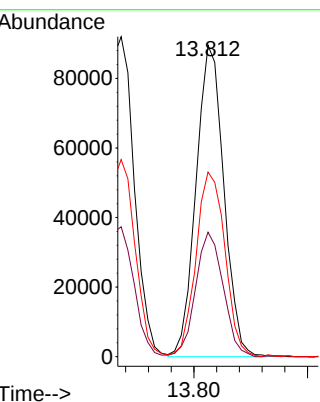
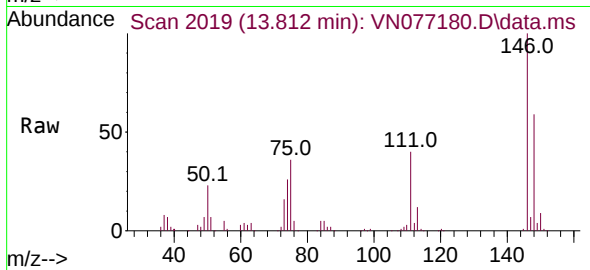
148 61.7 31.1 93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#87

1,2-Dichlorobenzene

Concen: 44.300 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077180.D

Acq: 24 Mar 2023 15:26

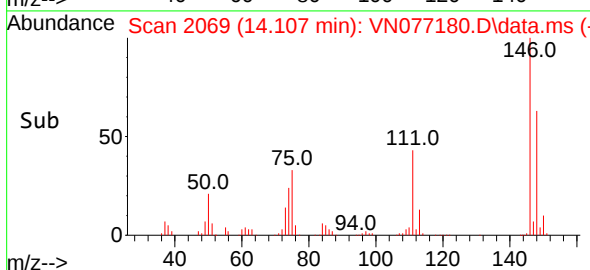
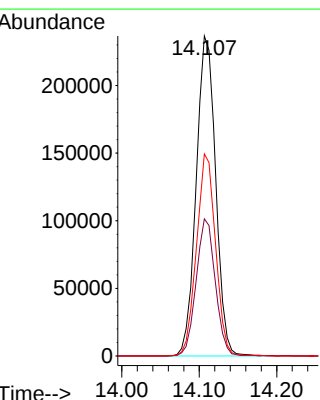
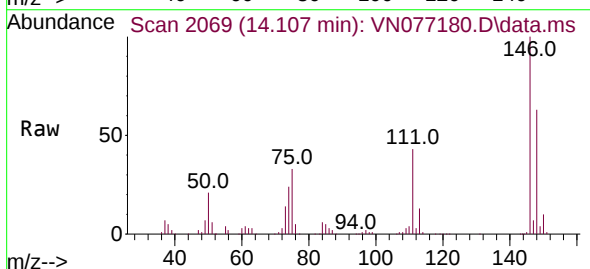
Tgt Ion:146 Resp: 412853

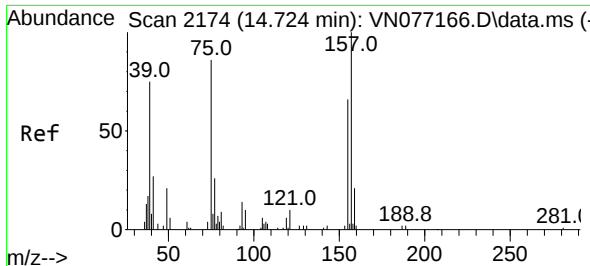
Ion Ratio Lower Upper

146 100

111 42.0 20.5 61.6

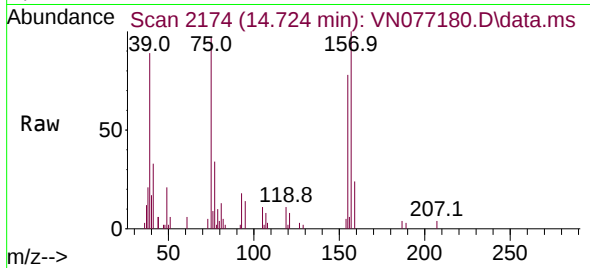
148 61.8 32.5 97.5





#88
1,2-Dibromo-3-Chloropropane
Concen: 9.939 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26

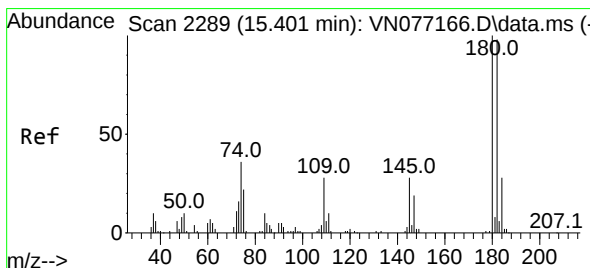
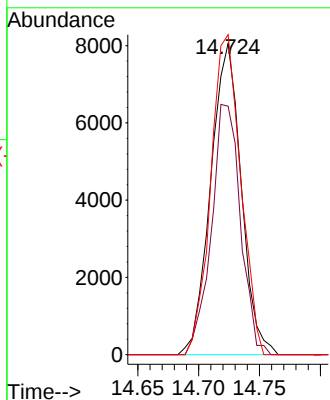
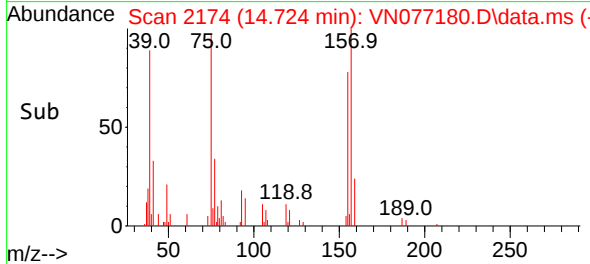
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL



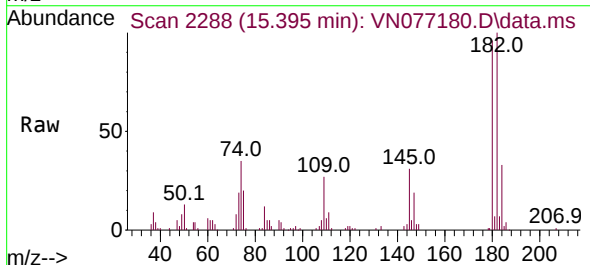
Tgt Ion: 75 Resp: 1405
Ion Ratio Lower Upper
75 100
155 76.5 62.5 93.7
157 100.6 77.5 116.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#89
1,2,4-Trichlorobenzene
Concen: 18.010 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VN077180.D
Acq: 24 Mar 2023 15:26



Tgt Ion:180 Resp: 74874
Ion Ratio Lower Upper
180 100
182 93.3 76.6 115.0
145 30.0 24.6 36.8

