

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110923\
 Data File : VD077533.D
 Acq On : 09 Nov 2023 13:57
 Operator : JC/SY
 Sample : 05296-02
 Misc : 4.59G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BH3R2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/10/2023
 Supervised By :Semsettin Yesilyurt 11/10/2023

Quant Time: Nov 10 02:09:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 10 02:07:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	679602	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	567005	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	254593m	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	286700	16.584	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.320%
7) Chloroethane-d5	2.804	69	223441	16.452	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.800%
11) 1,1-Dichloroethene-d2	3.922	65	89743	16.788	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.160%
21) 2-Butanone-d5	6.987	46	101409	33.880	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.760%
24) Chloroform-d	7.569	84	341453	17.393	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	69.560%
26) 1,2-Dichloroethane-d4	8.234	65	182561	17.482	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	69.920%#
32) Benzene-d6	8.204	84	718232	19.517	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.080%
36) 1,2-Dichloropropane-d6	9.210	67	231011	19.272	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.080%
41) Toluene-d8	10.269	98	637184	19.161	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.640%
43) trans-1,3-Dichloroprop...	10.528	79	96617	18.694	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.760%
47) 2-Hexanone-d5	10.881	63	80228	37.414	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.820%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	143357	18.050	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.200%
66) 1,2-Dichlorobenzene-d4	13.816	152	164563	18.169	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.680%#
Target Compounds						
					Qvalue	
13) Acetone	4.028	43	35401	11.252	ug/L	99
16) Methylene chloride	4.798	84	23370m	2.037	ug/L	
20) cis-1,2-Dichloroethene	7.081	96	2997827	271.420	ug/L	98
33) Benzene	8.257	78	28543	0.726	ug/L	100
34) Trichloroethene	9.028	95	935450	96.012	ug/L	91
35) Methylcyclohexane	9.269	83	7334	0.417	ug/L #	39
42) Toluene	10.333	91	784864	19.012	ug/L	98
46) Tetrachloroethene	10.816	164	12193698	1700.935	ug/L	95
51) Chlorobenzene	11.610	112	3139767	129.822	ug/L	99
52) Ethylbenzene	11.686	91	14278777	314.347	ug/L	88
53) m,p-Xylene	11.786	106	26486178m	1602.379	ug/L	
54) o-Xylene	12.122	106	19832997m	1252.797	ug/L	
60) Isopropylbenzene	12.422	105	777085	18.870	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	714362	22.856	ug/L	97
63) 1,2,4-Trimethylbenzene	13.216	105	1341719	42.379	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	1188921	70.373	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	5269867	309.082	ug/L	95
67) 1,2-Dichlorobenzene	13.833	146	2882788	193.002	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	17079874	1761.699	ug/L #	93

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Quant Title : SFAM01.0
QLast Update : Fri Nov 10 02:07:44 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.527	180	7009594	847.939	ug/L	100

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

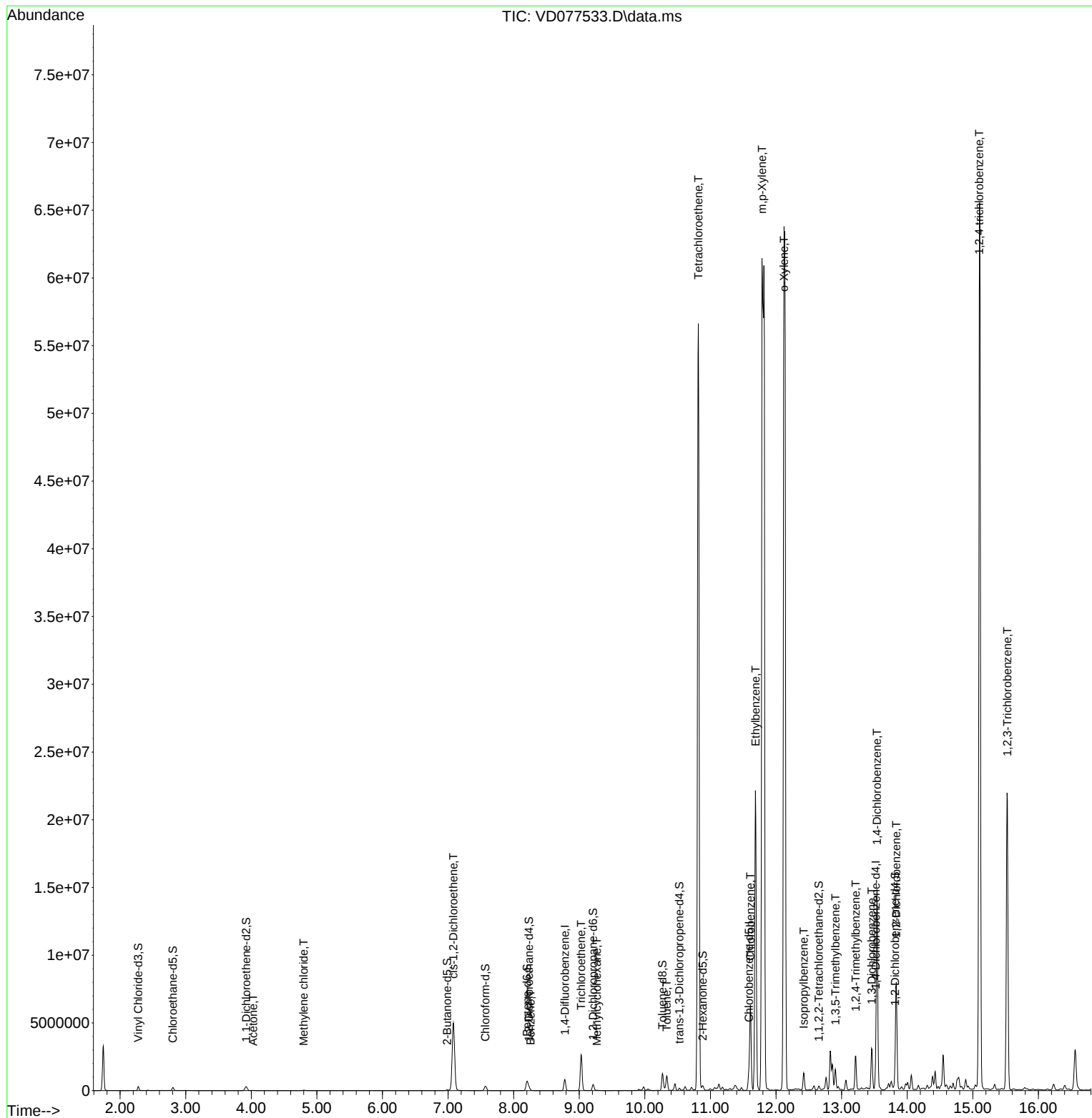
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110923\
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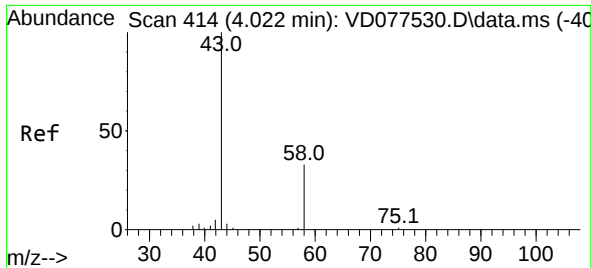
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MSVOA_D
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Quant Title : SFAM01.0
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#13

Acetone

Concen: 11.252 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077533.D

Acq: 09 Nov 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

BH3R2

Tgt Ion: 43 Resp: 3540

Ion Ratio Lower Upper

43 100

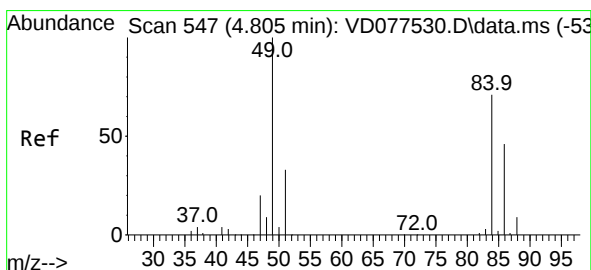
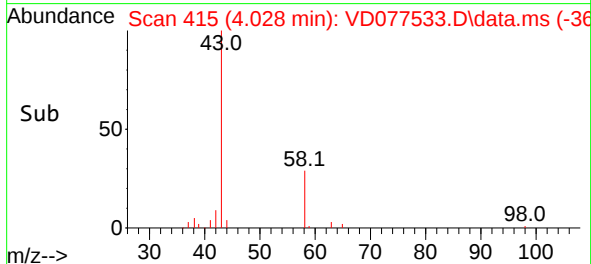
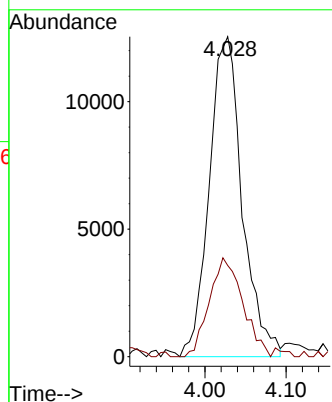
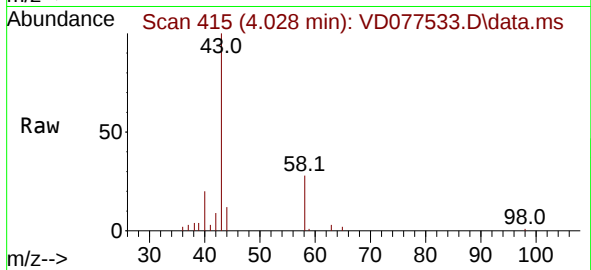
58 31.4 0.0 64.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/10/2023

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#16

Methylene chloride

Concen: 2.037 ug/L m

RT: 4.798 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD077533.D

Acq: 09 Nov 2023 13:57

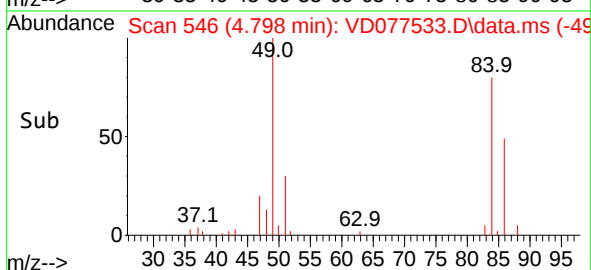
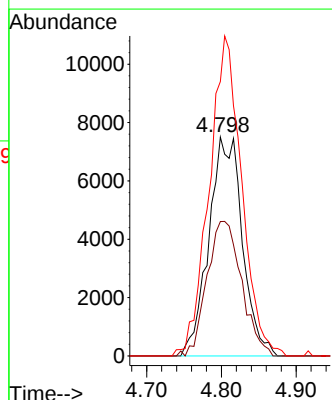
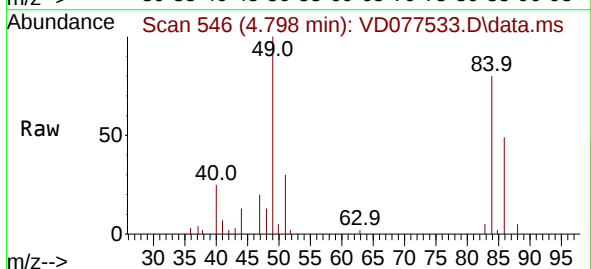
Tgt Ion: 84 Resp: 23370

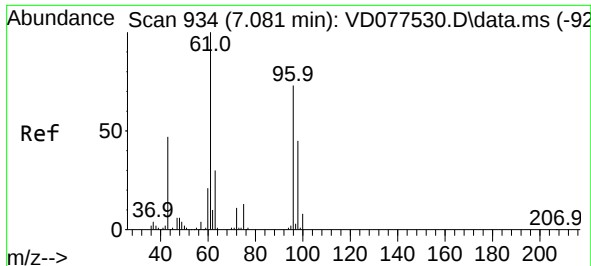
Ion Ratio Lower Upper

84 100

86 61.4 46.5 86.5

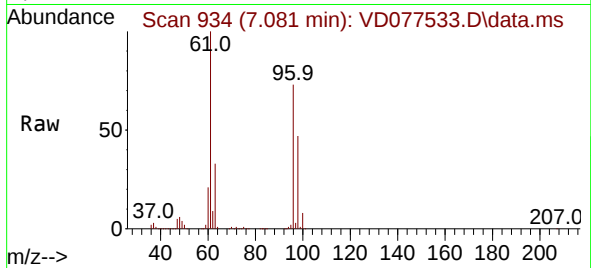
49 125.4 98.3 182.7





#20
cis-1,2-Dichloroethene
Concen: 271.420 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

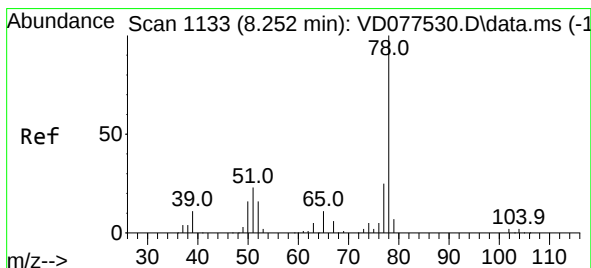
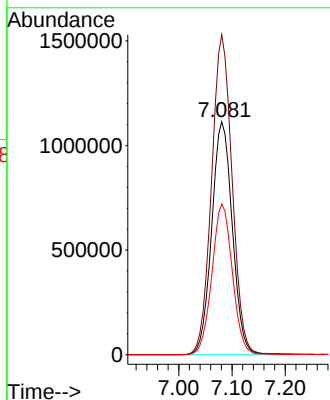
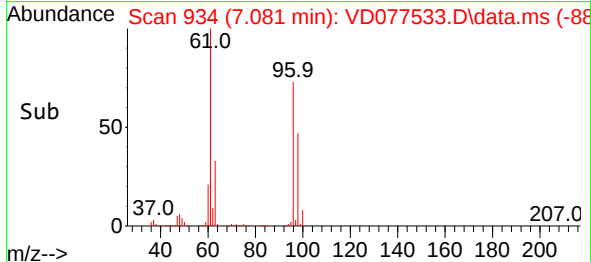
Instrument :
MSVOA_D
ClientSampleId :
BH3R2



Tgt Ion: 96 Resp: 299782
Ion Ratio Lower Upper
96 100
61 137.3 95.0 176.4
98 64.6 43.1 80.1

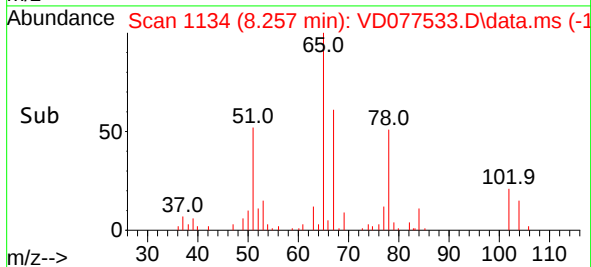
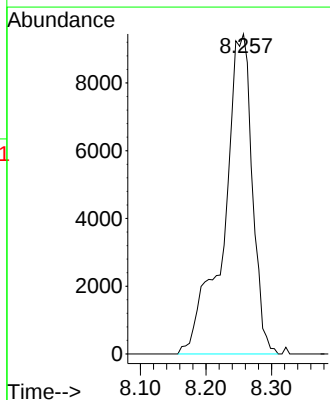
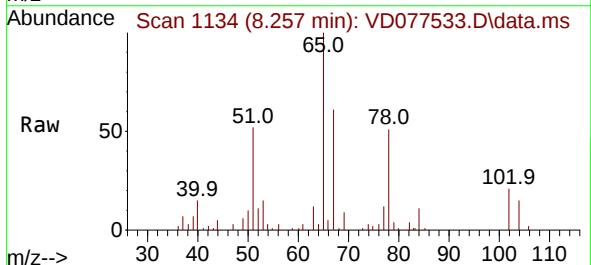
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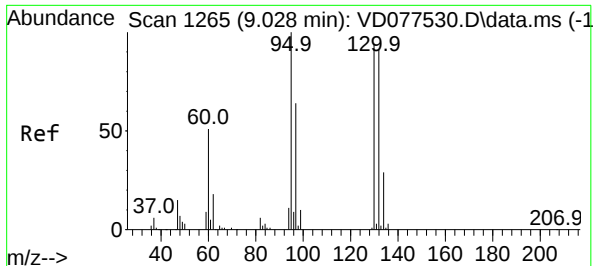
Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023



#33
Benzene
Concen: 0.726 ug/L
RT: 8.257 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

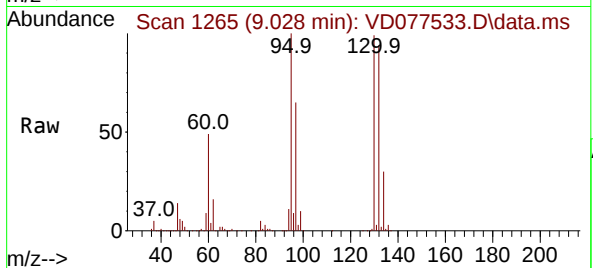
Tgt Ion: 78 Resp: 28543





#34
Trichloroethene
Concen: 96.012 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

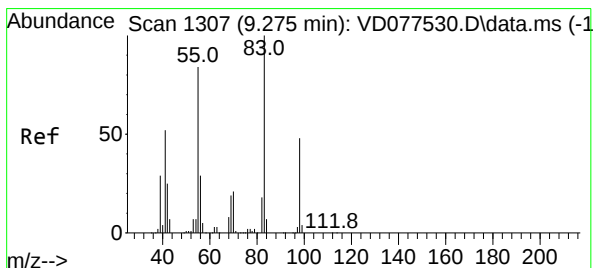
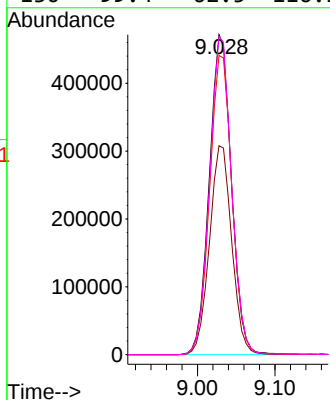
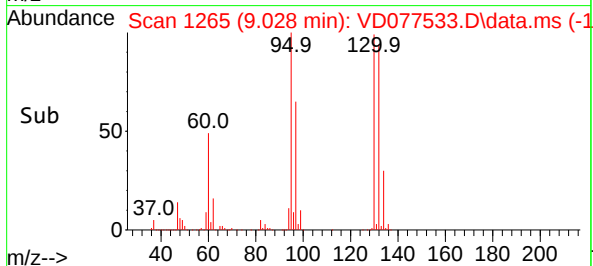
Instrument :
MSVOA_D
ClientSampleId :
BH3R2



Tgt Ion: 95 Resp: 935450
Ion Ratio Lower Upper
95 100
97 65.3 42.4 78.6
132 93.5 59.4 110.2
130 99.4 62.5 116.1

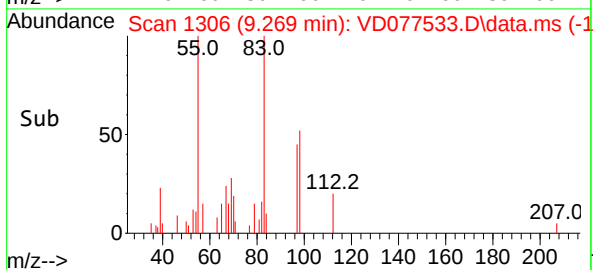
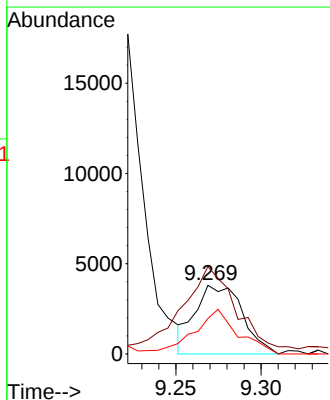
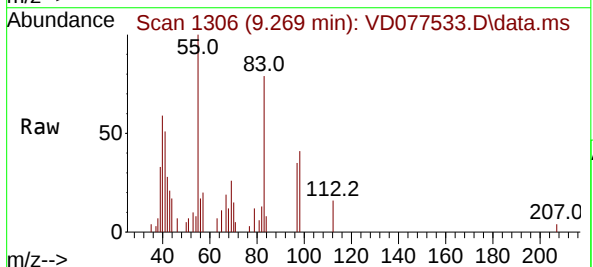
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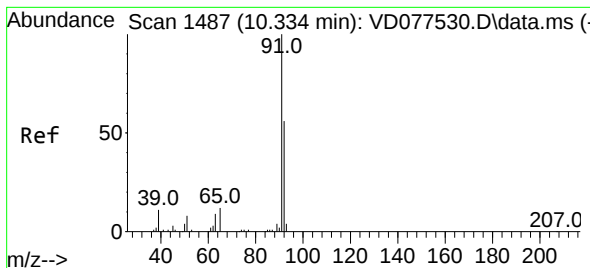
Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023



#35
Methylcyclohexane
Concen: 0.417 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

Tgt Ion: 83 Resp: 7334
Ion Ratio Lower Upper
83 100
55 157.8 66.5 99.7#
98 61.1 37.4 56.2#





#42

Toluene

Concen: 19.012 ug/L

RT: 10.333 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077533.D

Acq: 09 Nov 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

BH3R2

Tgt Ion: 91 Resp: 784864

Ion Ratio Lower Upper

91 100

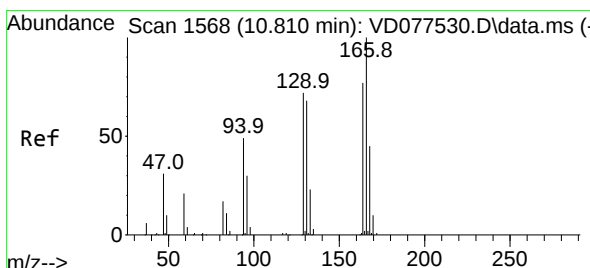
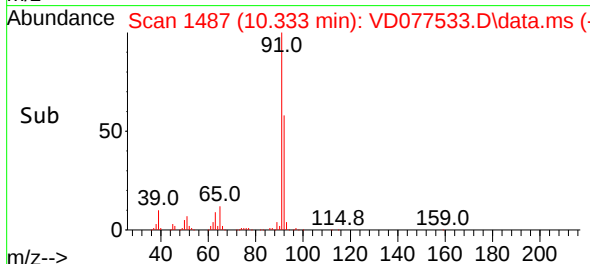
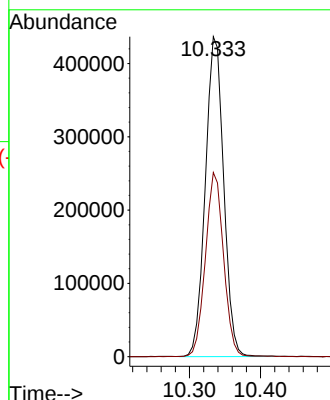
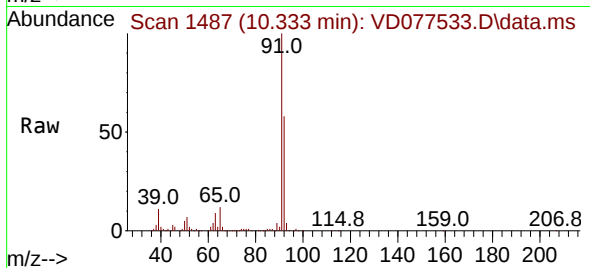
92 57.5 39.3 73.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/10/2023

Supervised By :Semsettin Yesilyurt 11/10/2023



#46

Tetrachloroethene

Concen: 1700.935 ug/L

RT: 10.816 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VD077533.D

Acq: 09 Nov 2023 13:57

Tgt Ion:164 Resp:12193698

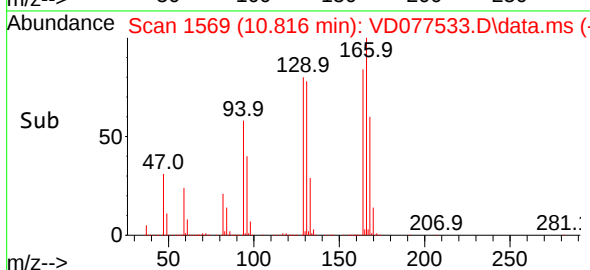
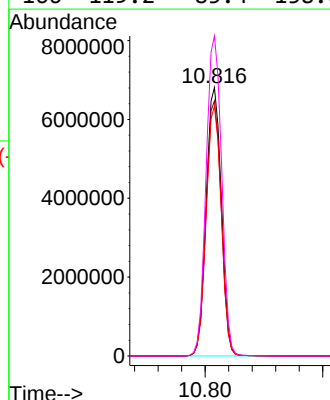
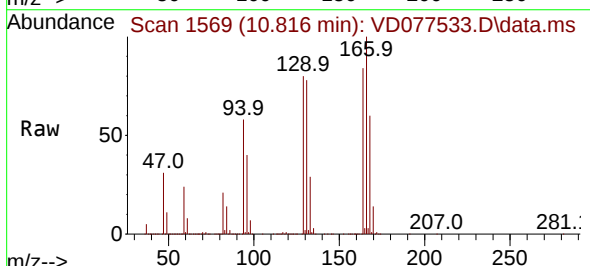
Ion Ratio Lower Upper

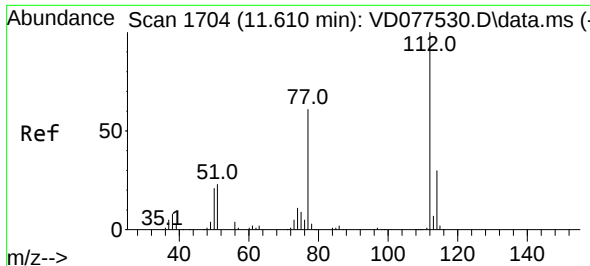
164 100

129 95.0 60.6 112.6

131 93.1 61.6 114.4

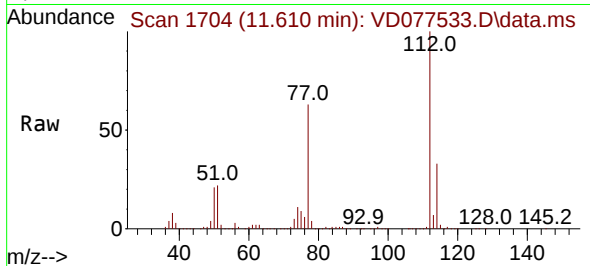
166 119.2 85.4 158.6





#51
Chlorobenzene
Concen: 129.822 ug/L
RT: 11.610 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

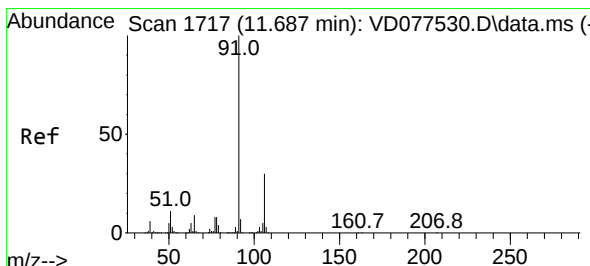
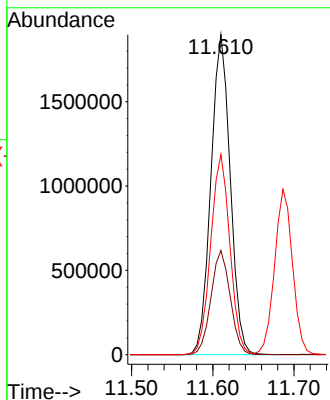
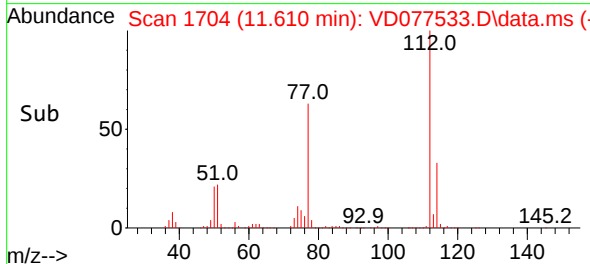
Instrument :
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Tgt Ion:112 Resp: 313976
Ion Ratio Lower Upper
112 100
114 32.6 22.4 41.6
77 62.5 49.6 74.4

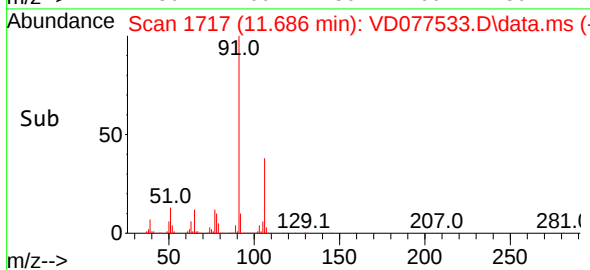
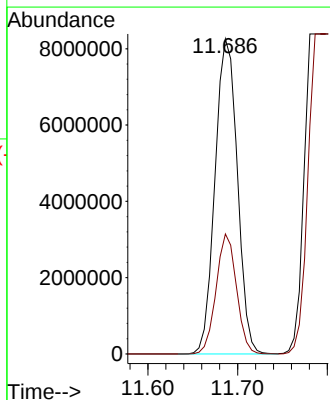
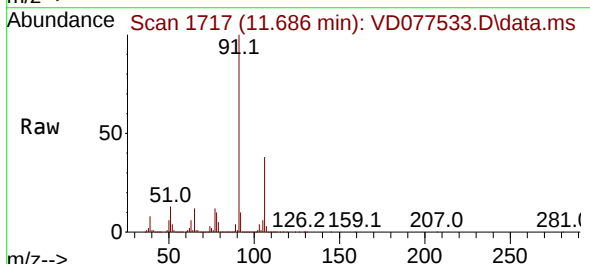
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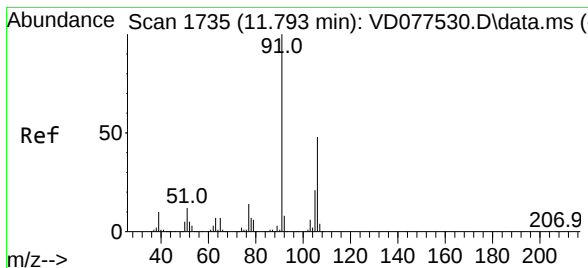
Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023



#52
Ethylbenzene
Concen: 314.347 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

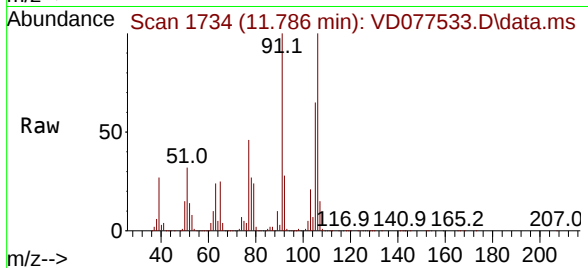
Tgt Ion: 91 Resp:14278777
Ion Ratio Lower Upper
91 100
106 38.1 22.0 40.8





#53
m,p-Xylene
Concen: 1602.379 ug/L m
RT: 11.786 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

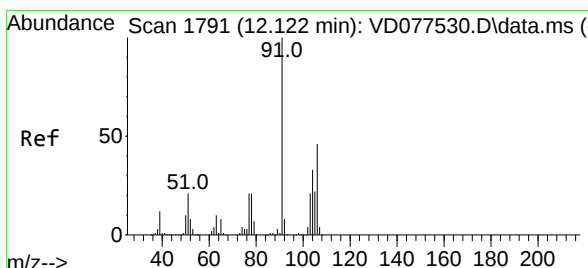
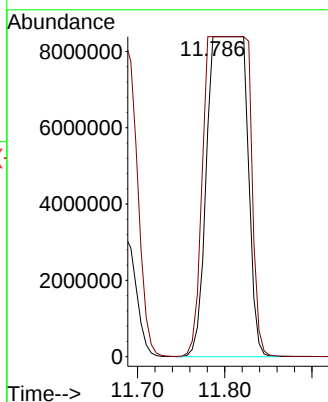
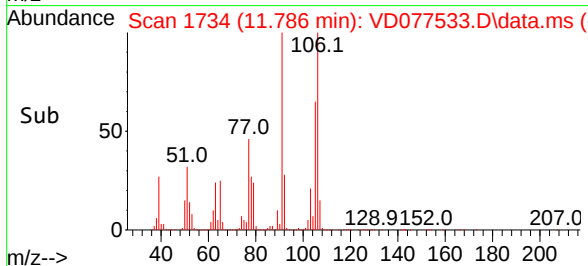
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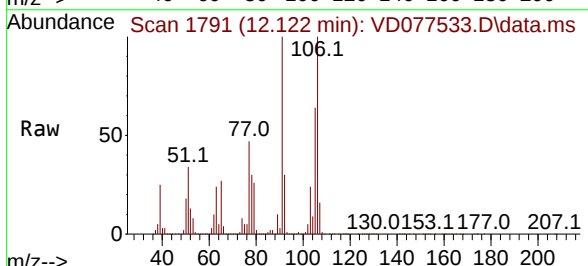
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Ion Ratio Lower Upper
106 100
91 100.0 146.7 272.4

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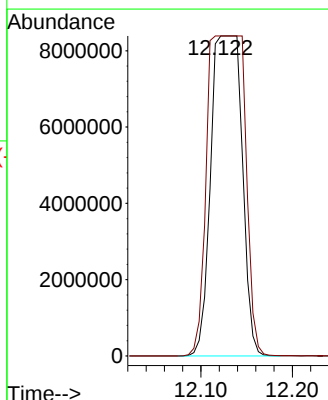
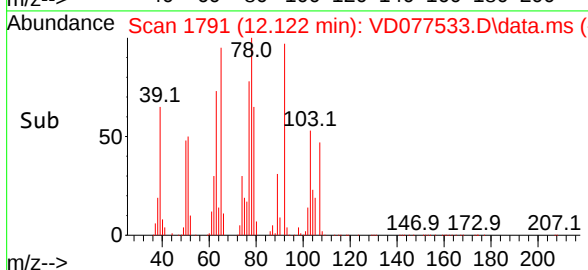
Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023

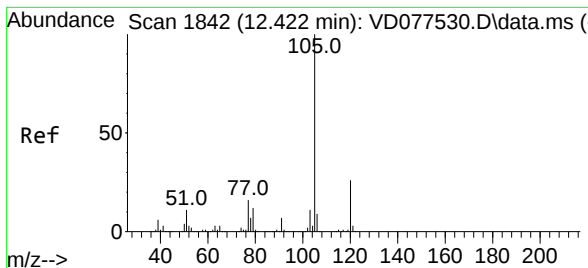


#54
o-Xylene
Concen: 1252.797 ug/L m
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57



Tgt Ion:106 Resp:19832997
Ion Ratio Lower Upper
106 100
91 100.0 158.5 294.4





#60

Isopropylbenzene

Concen: 18.870 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD077533.D

Acq: 09 Nov 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

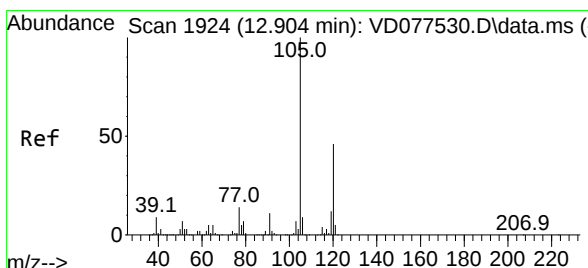
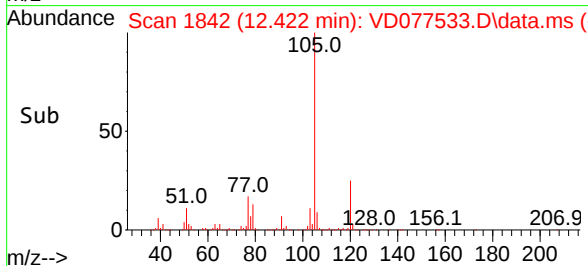
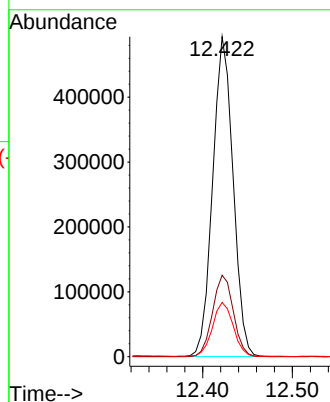
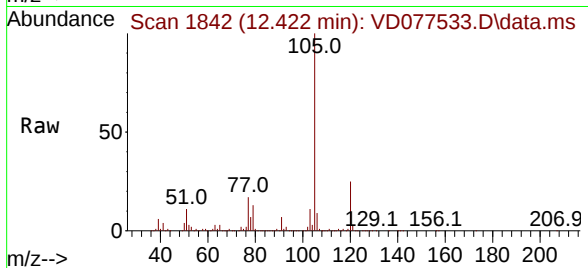
BH3R2

Tgt Ion:	105	Resp:	777085
Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.4
77	17.3	13.4	20.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023



#62

1,3,5-Trimethylbenzene

Concen: 22.856 ug/L

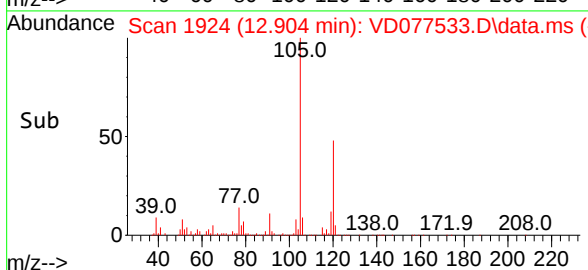
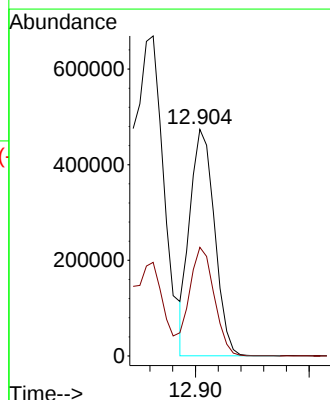
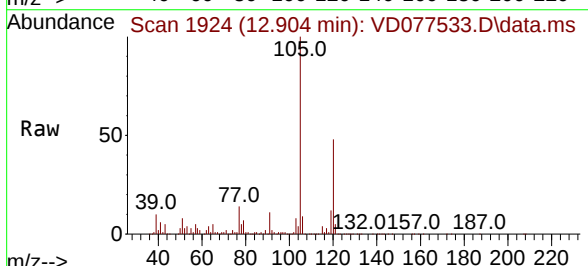
RT: 12.904 min Scan# 1924

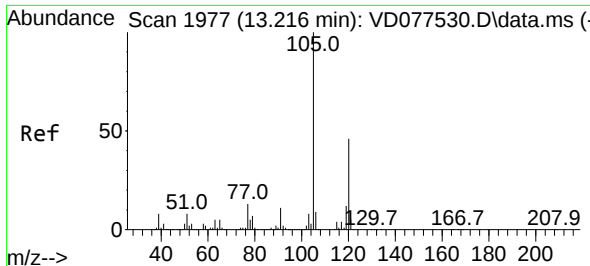
Delta R.T. -0.000 min

Lab File: VD077533.D

Acq: 09 Nov 2023 13:57

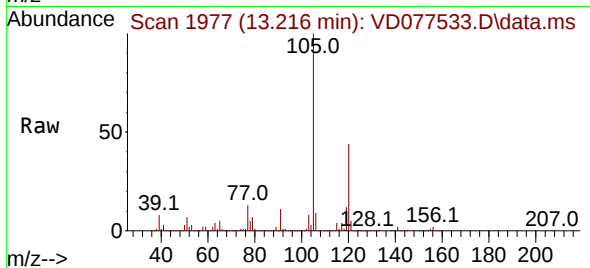
Tgt Ion:	105	Resp:	714362
Ion	Ratio	Lower	Upper
105	100		
120	49.3	37.8	56.6





#63
1,2,4-Trimethylbenzene
Concen: 42.379 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

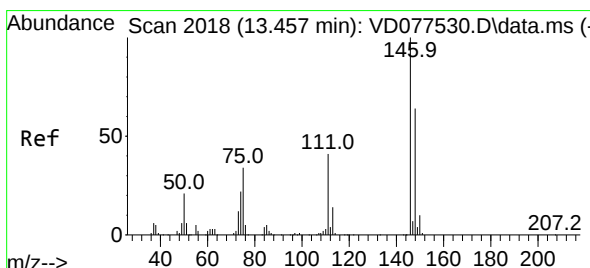
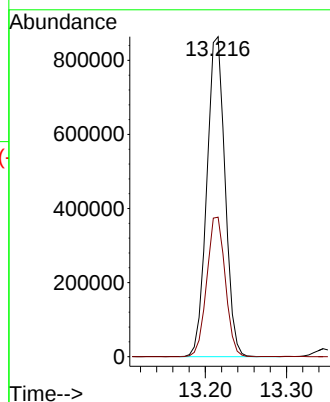
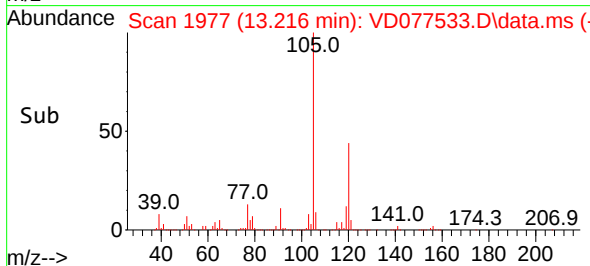
Instrument :
MSVOA_D
ClientSampleId :
BH3R2



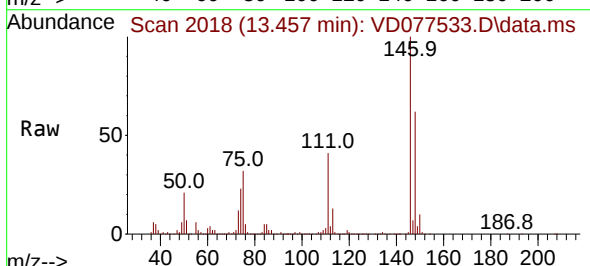
Tgt Ion:105 Resp: 1341719
Ion Ratio Lower Upper
105 100
120 44.4 35.6 53.4

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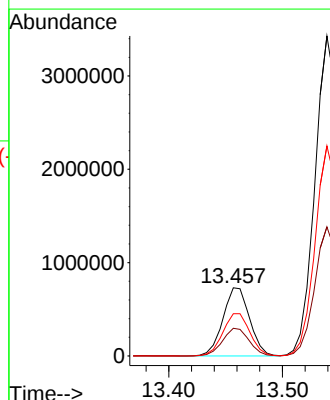
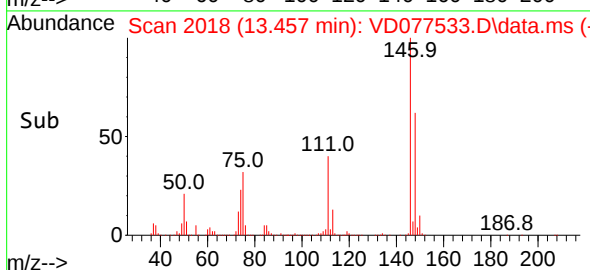
Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023

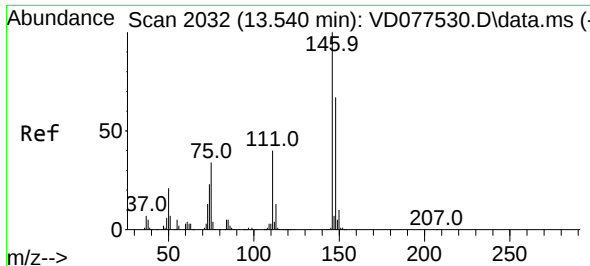


#64
1,3-Dichlorobenzene
Concen: 70.373 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57



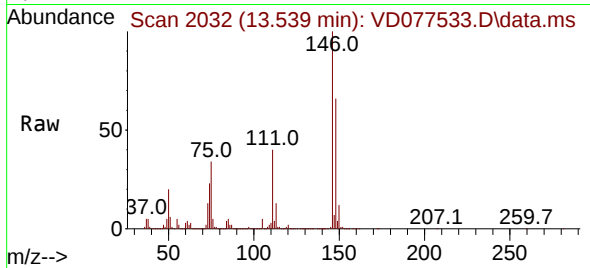
Tgt Ion:146 Resp: 1188921
Ion Ratio Lower Upper
146 100
111 40.5 27.2 50.6
148 61.9 44.1 81.9





#65
1,4-Dichlorobenzene
Concen: 309.082 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

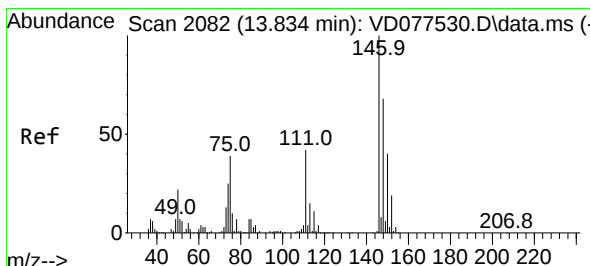
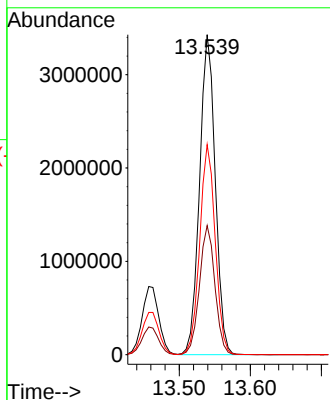
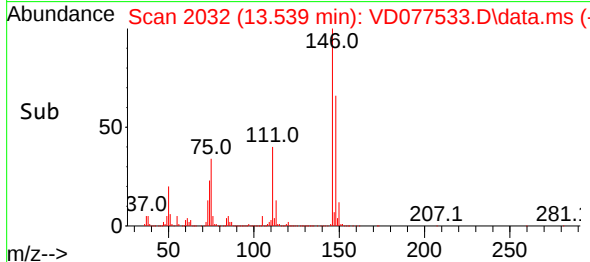
Instrument :
MSVOA_D
ClientSampleId :
BH3R2



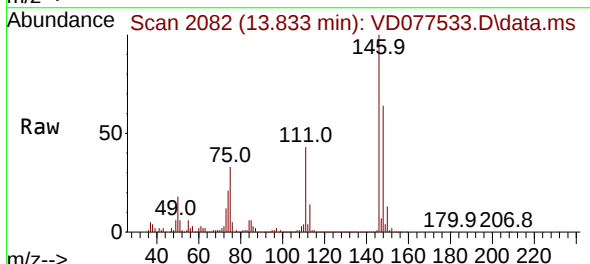
Tgt Ion:146 Resp: 526986
Ion Ratio Lower Upper
146 100
111 40.4 25.6 47.4
148 65.6 44.1 81.9

Manual Integrations
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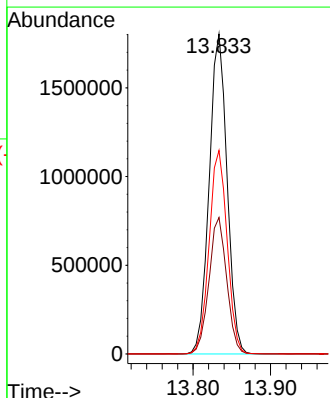
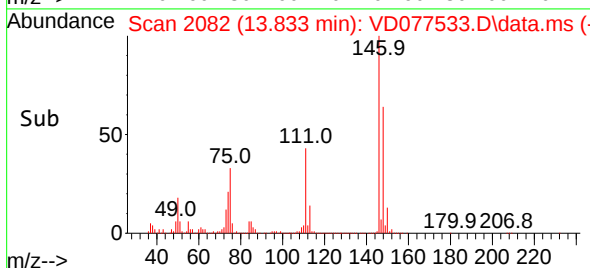
Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023

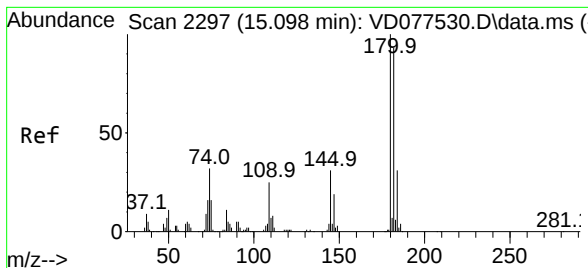


#67
1,2-Dichlorobenzene
Concen: 193.002 ug/L
RT: 13.833 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57



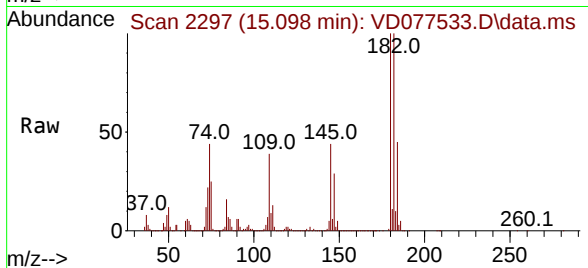
Tgt Ion:146 Resp: 2882788
Ion Ratio Lower Upper
146 100
111 42.7 33.8 50.6
148 63.6 54.3 81.5





#70
1,2,4-trichlorobenzene
Concen: 1761.699 ug/L
RT: 15.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57

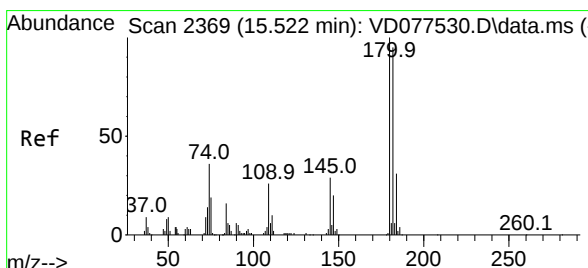
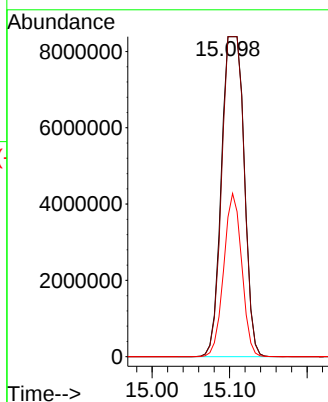
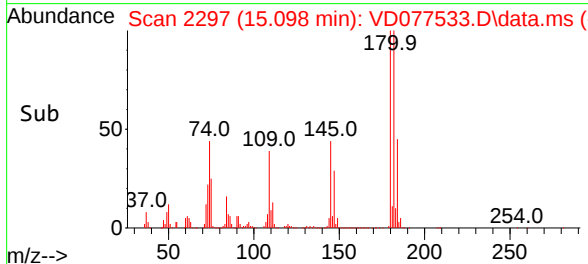
Instrument :
MSVOA_D
ClientSampleId :
BH3R2



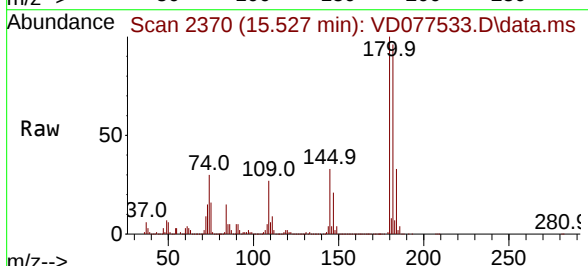
Tgt Ion:180 Resp:17079874
Ion Ratio Lower Upper
180 100
182 98.3 75.8 113.6
145 40.4 24.1 36.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/10/2023
Supervised By :Semsettin Yesilyurt 11/10/2023



#72
1,2,3-Trichlorobenzene
Concen: 847.939 ug/L
RT: 15.527 min Scan# 2370
Delta R.T. 0.006 min
Lab File: VD077533.D
Acq: 09 Nov 2023 13:57



Tgt Ion:180 Resp: 7009594
Ion Ratio Lower Upper
180 100
182 96.1 76.8 115.2
145 32.9 26.0 39.0

