Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
Data File : VX032289.D
Acq On : 21 Oct 2022 15:25
Operator : JC/MD
Sample : N5185-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Manual Integrations
APPROVED
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 05:10:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 22 04:56:40 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	145513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221876	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89430	47.243	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.480%		
35) Dibromofluoromethane	5.385	113	69478	45.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.000%		
50) Toluene-d8	8.653	98	263612	47.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.860%		
62) 4-Bromofluorobenzene	11.079	95	94601	46.483	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.960%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	19176	53.807	ug/l #	74
16) Acetone	2.367	43	8296m	13.505	ug/l	
19) Methyl tert-butyl Ether	3.111	73	61175m	13.669	ug/l	
25) 2-Butanone	4.568	43	4853	5.060	ug/l	98
31) Cyclohexane	5.470	56	120055	55.477	ug/l	97
39) Methylcyclohexane	7.379	83	60122	25.340	ug/l	91
40) Benzene	6.037	78	620463	107.789	ug/l	100
52) Toluene	8.720	92	14210	3.811	ug/l	98
67) Ethyl Benzene	10.195	91	825441	116.918	ug/l	99
68) m/p-Xylenes	10.305	106	110474	39.623	ug/l	98
69) o-Xylene	10.646	106	4699	1.759	ug/l	96
73) Isopropylbenzene	10.963	105	151278	22.228	ug/l	100
78) n-propylbenzene	11.305	91	363404	46.633	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	62594	10.648	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	64265	11.244	ug/l	99
85) sec-Butylbenzene	11.890	105	18512	2.604	ug/l	97
86) p-Isopropyltoluene	12.012	119	3456	0.571	ug/l #	74
89) n-Butylbenzene	12.329	91	20724	3.890	ug/l #	48
95) Naphthalene	13.774	128	275536	41.925	ug/l	100

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

Quantitation Report (QT/LSC Reviewed)

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
Data File : VX032289.D
Acq On    : 21 Oct 2022  15:25
Operator  : JC/MD
Sample    : N5185-21
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Oct 22 05:10:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title  : SW846 8260
QLast Update : Sat Oct 22 04:56:40 2022
Response via : Initial Calibration
```

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2022
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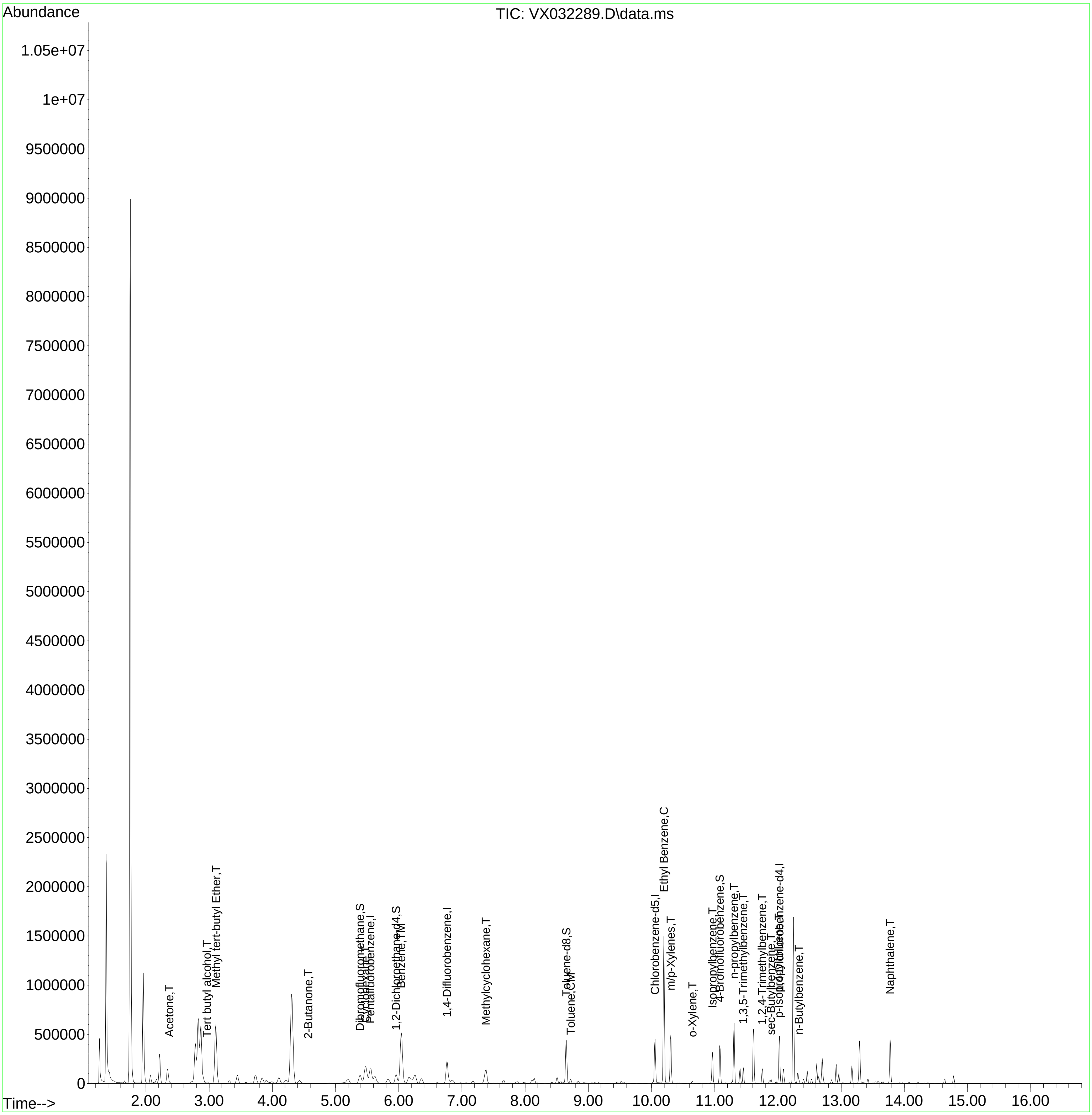

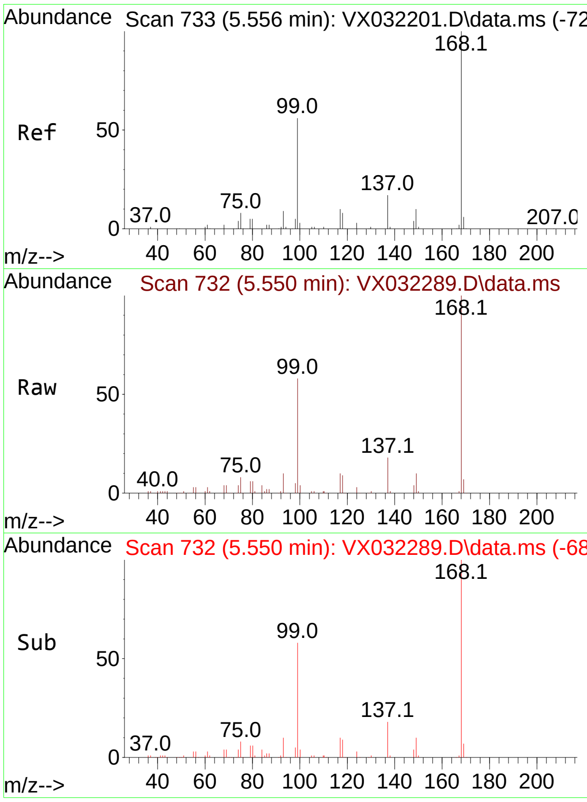

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion:168 Resp: 14551

Ion	Ratio	Lower	Upper
168	100		
99	58.5	44.8	67.2

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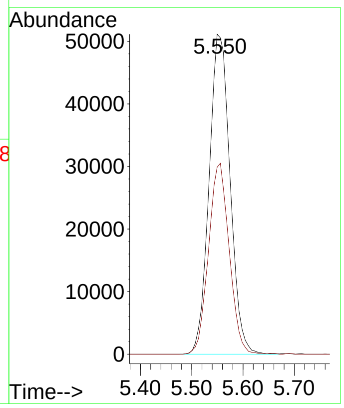
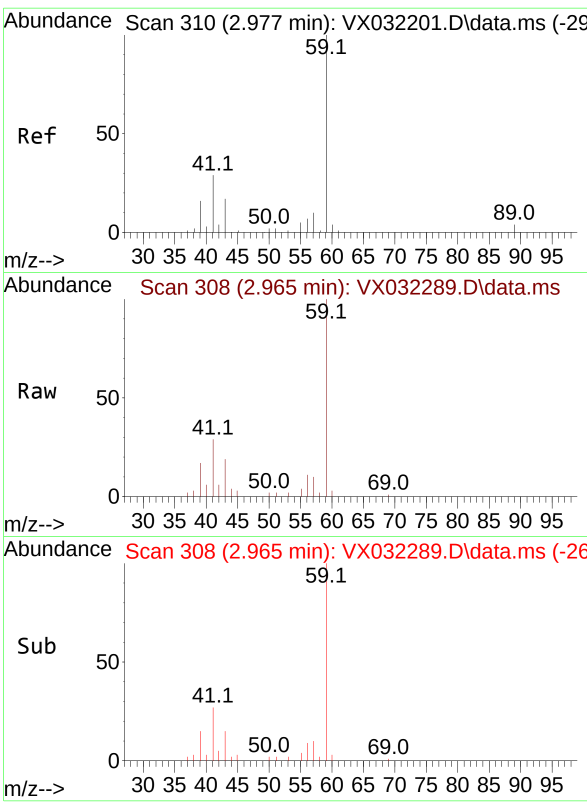
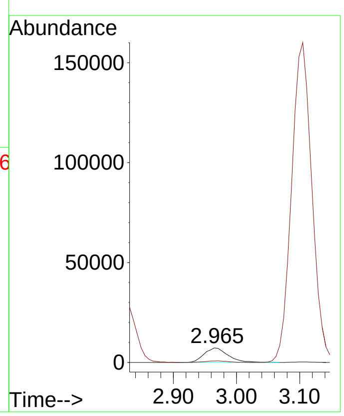


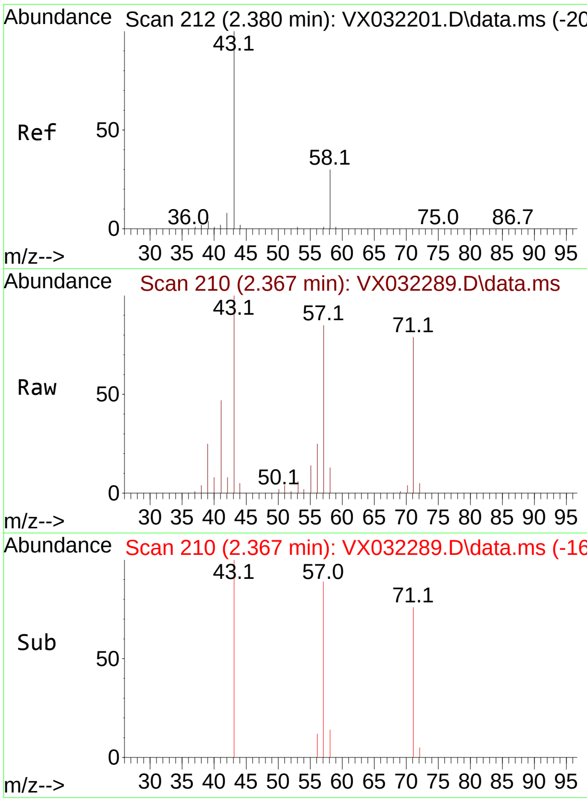


#11
Tert butyl alcohol
Concen: 53.807 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion: 59 Resp: 19176

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#





#16
Acetone
Concen: 13.505 ug/l m
RT: 2.367 min   Scan# 2
Delta R.T.   -0.013 min
Lab File: VX032289.D
Acq: 21 Oct 2022   15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion: 43 Resp: 829

Ion	Ratio	Lower	Upper
43	100		
58	12.8	24.2	36.2#

Manual Integrations
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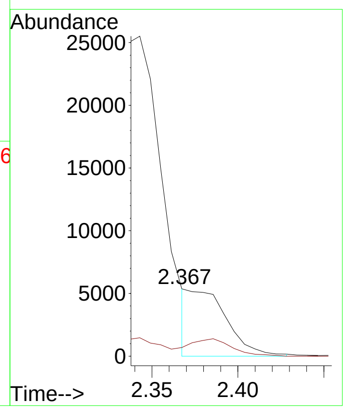
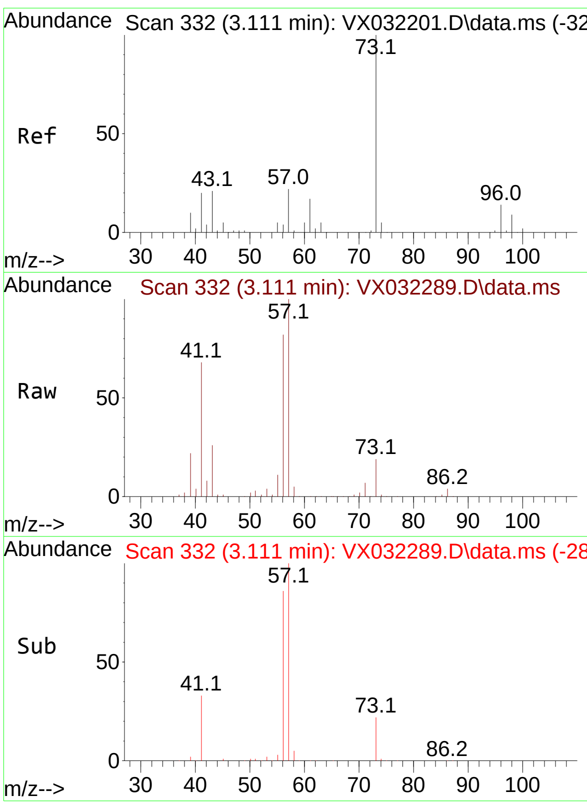
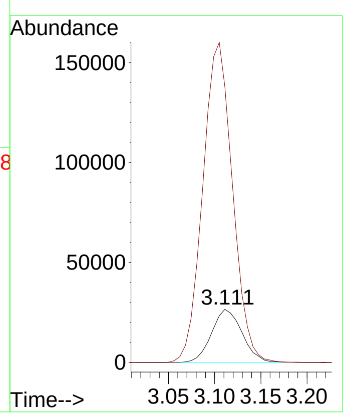


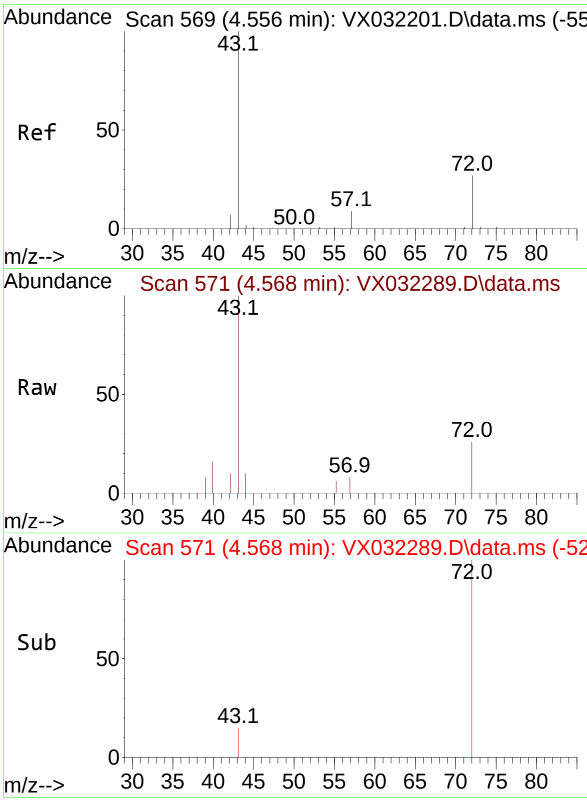


#19
Methyl tert-butyl Ether
Concen: 13.669 ug/l m
RT: 3.111 min   Scan# 332
Delta R.T.   0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022   15:25

Tgt Ion: 73 Resp: 61175

Ion	Ratio	Lower	Upper
73	100		
57	518.6	17.4	26.2#





#25
2-Butanone
Concen: 5.060 ug/l
RT: 4.568 min   Scan# 5
Delta R.T.   0.012 min
Lab File: VX032289.D
Acq: 21 Oct 2022   15:25

Tgt Ion: 43 Resp: 485

Ion	Ratio	Lower	Upper
43	100		
72	26.2	21.7	32.5

Instrument :
MSVOA_X
ClientSampleId :
RW-01

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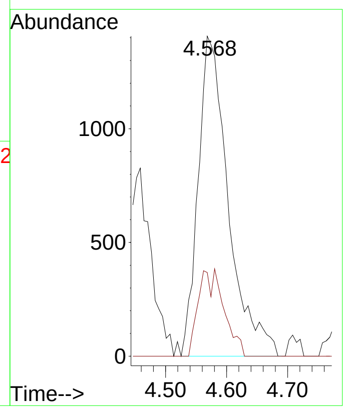
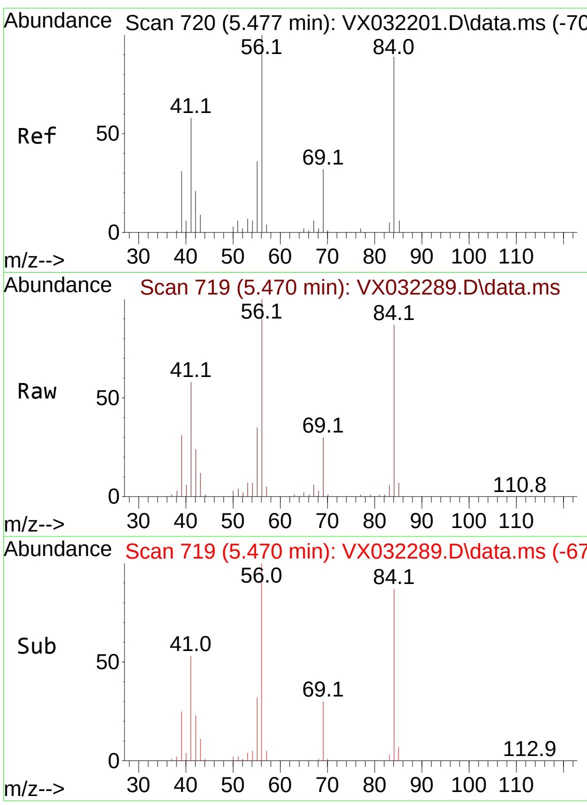
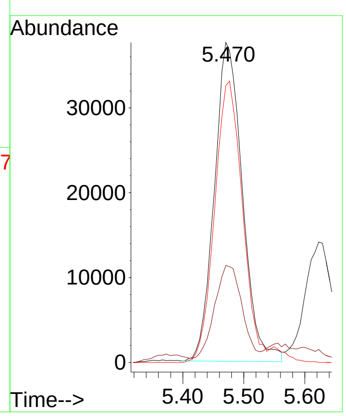


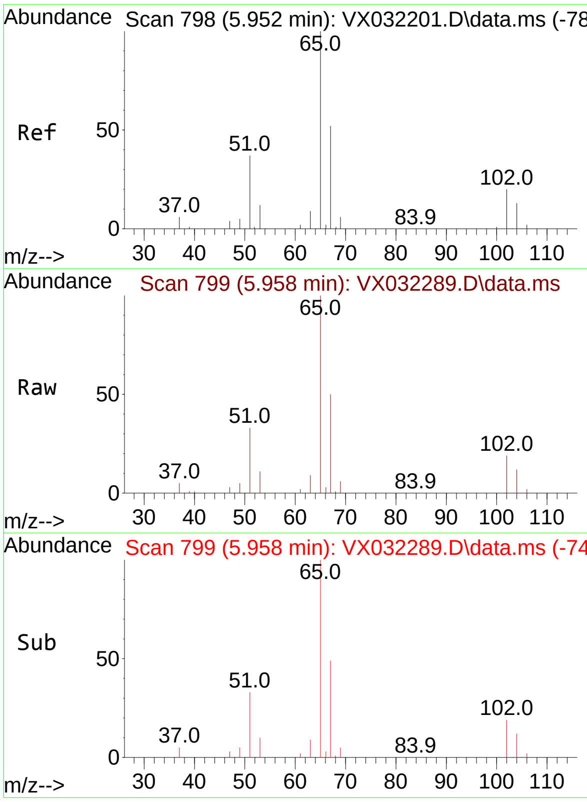


#31
Cyclohexane
Concen: 55.477 ug/l
RT: 5.470 min   Scan# 719
Delta R.T.   -0.007 min
Lab File: VX032289.D
Acq: 21 Oct 2022   15:25

Tgt Ion: 56 Resp: 120055

Ion	Ratio	Lower	Upper
56	100		
69	28.5	25.4	38.0
84	86.9	71.2	106.8





#33
1,2-Dichloroethane-d4
Concen: 47.243 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion: 65 Resp: 8943

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.6

Manual Integrations APPROVED

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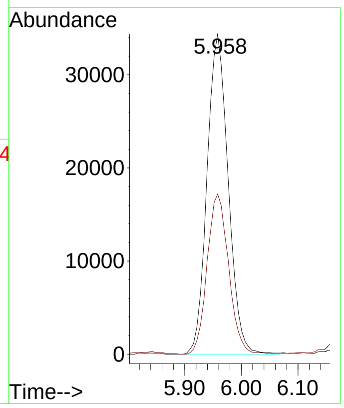
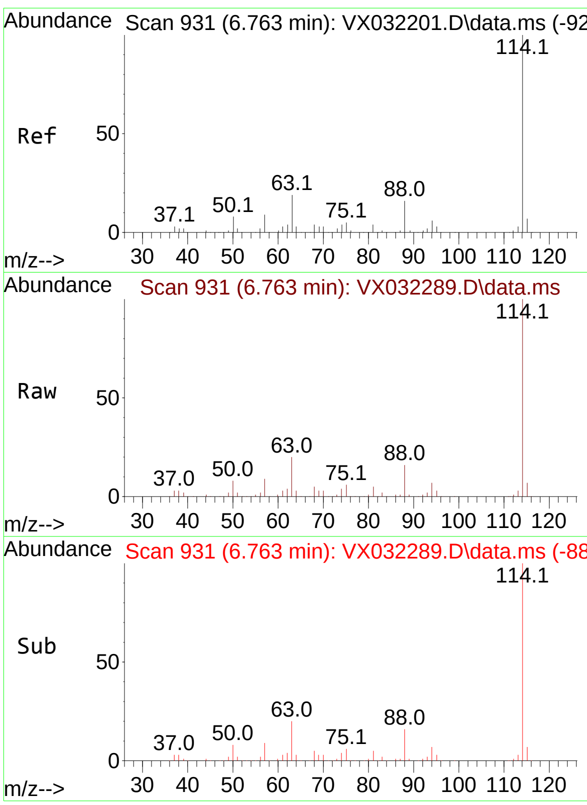
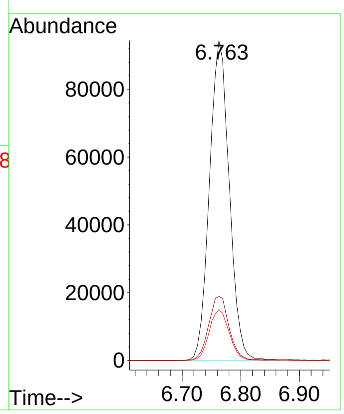


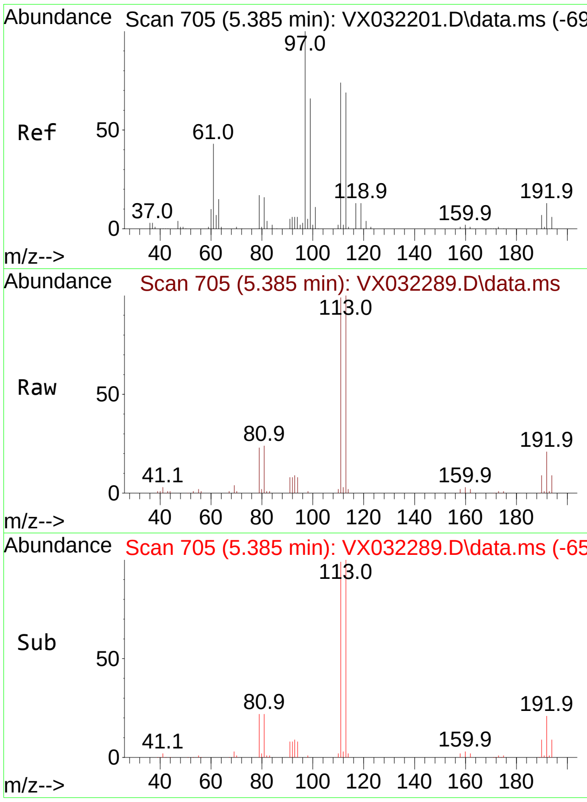


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:114 Resp: 221876

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.6
88	15.8	0.0	32.6

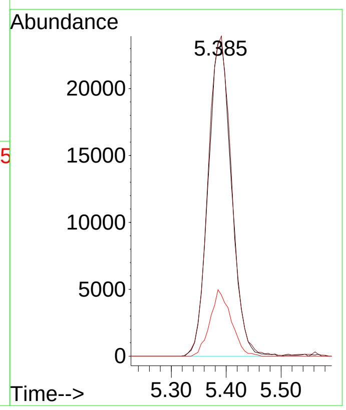




#35
Dibromofluoromethane
Concen: 45.000 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:113 Resp: 6947

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	19.1	15.5	23.3



Instrument :
MSVOA_X
ClientSampleId :
RW-01

Manual Integrations
APPROVED

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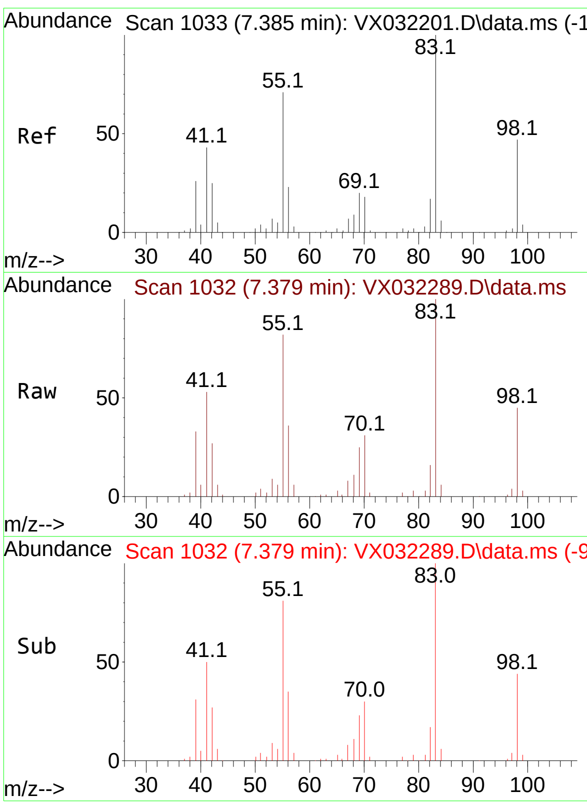
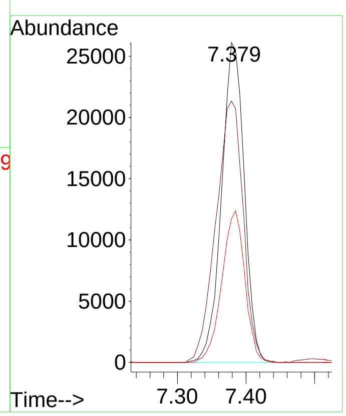
Supervised By :Mahesh Dadoda 10/24/2022

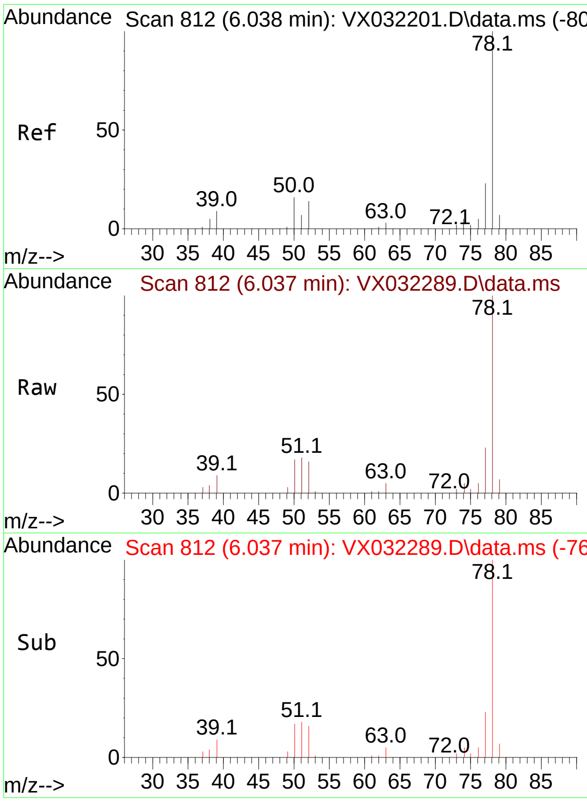


#39
Methylcyclohexane
Concen: 25.340 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion: 83 Resp: 60122

Ion	Ratio	Lower	Upper
83	100		
55	81.7	56.6	85.0
98	44.9	37.4	56.0






```
#40
Benzene
Concen:  107.789 ug/l
RT:   6.037 min  Scan# 8
Delta R.T.   -0.001 min
Lab File:    VX032289.D
Acq: 21 Oct 2022   15:25

Tgt Ion: 78 Resp:   62046
Ion   Ratio   Lower   Upper
 78   100
 77    23.3    18.6    27.8
```

Instrument :
MSVOA_X
ClientSampleId :
RW-01

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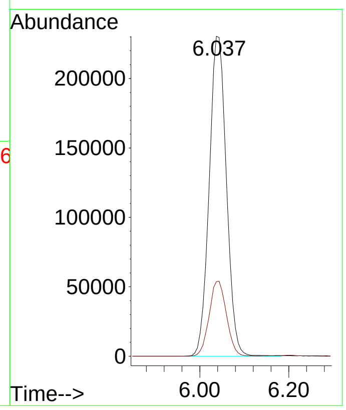
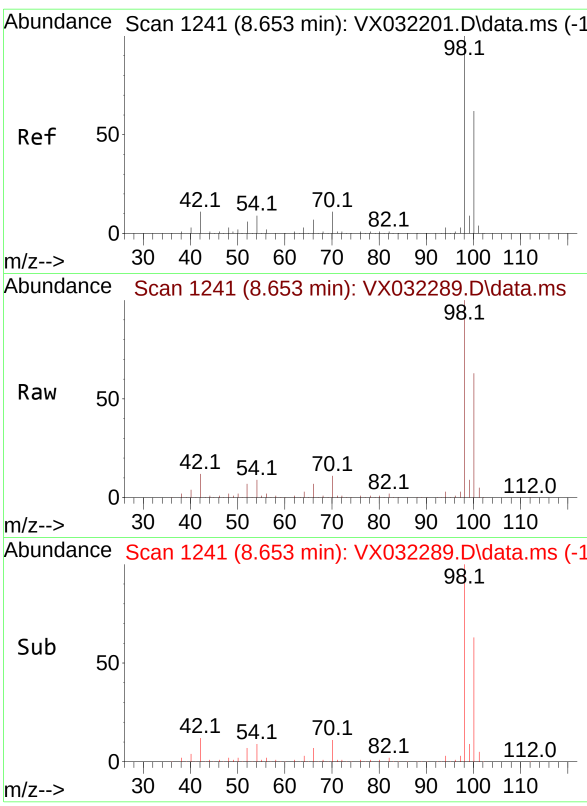
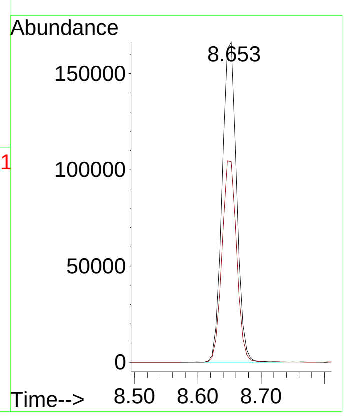
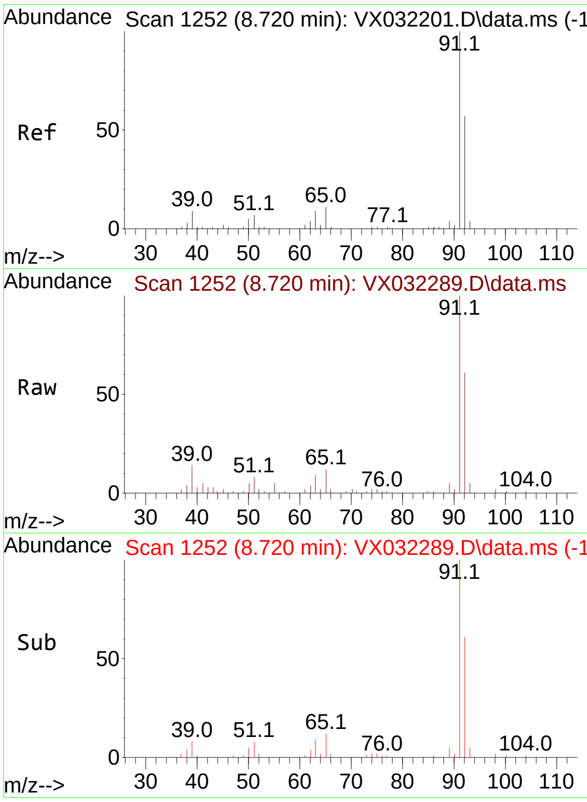





```
#50
Toluene-d8
Concen:   47.431 ug/l
RT:   8.653 min  Scan# 1241
Delta R.T.   -0.000 min
Lab File:    VX032289.D
Acq: 21 Oct 2022   15:25

Tgt Ion: 98 Resp:   263612
Ion   Ratio   Lower   Upper
 98   100
100    63.6    50.7    76.1
```





#52
Toluene
Concen: 3.811 ug/l
RT: 8.720 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion: 92 Resp: 1421

Ion	Ratio	Lower	Upper
92	100		
91	172.0	140.3	210.5

Manual Integrations APPROVED

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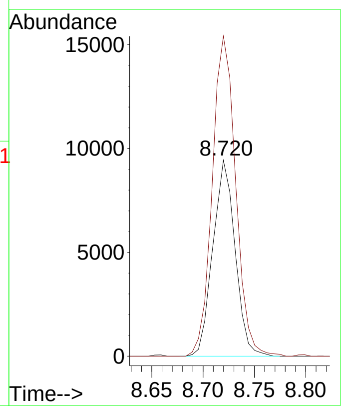
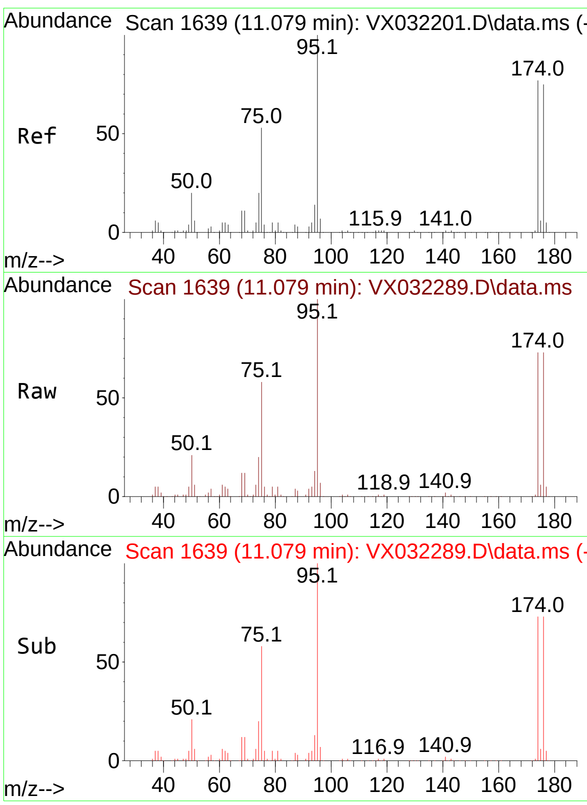
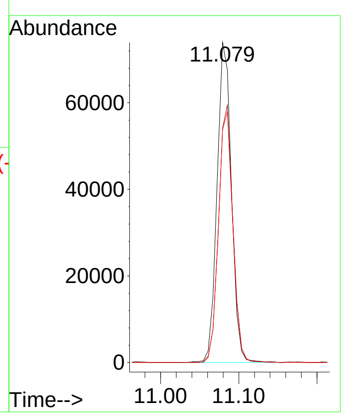


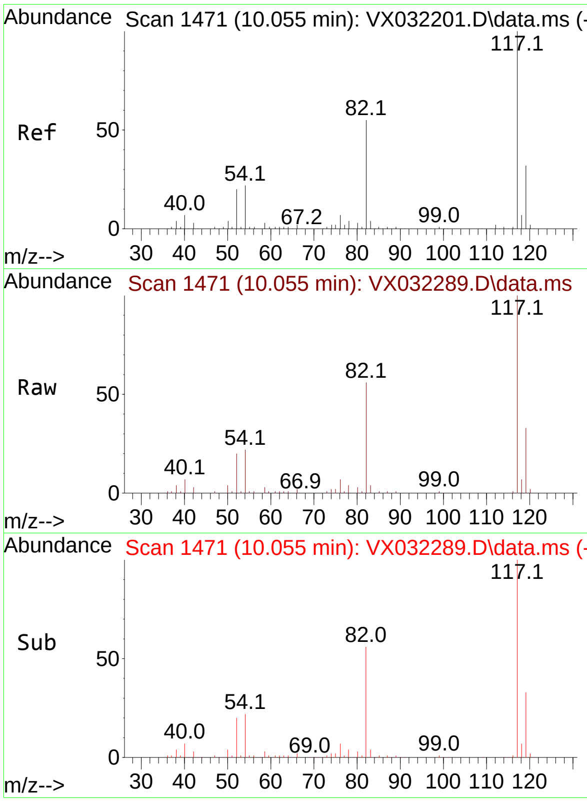


#62
4-Bromofluorobenzene
Concen: 46.483 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion: 95 Resp: 94601

Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	166.8
176	78.4	0.0	161.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion:117 Resp: 19449

Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.2	66.4
119	32.6	25.8	38.8

Manual Integrations APPROVED

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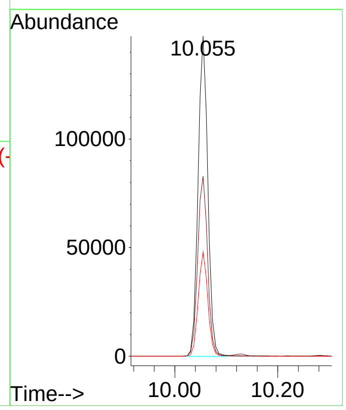
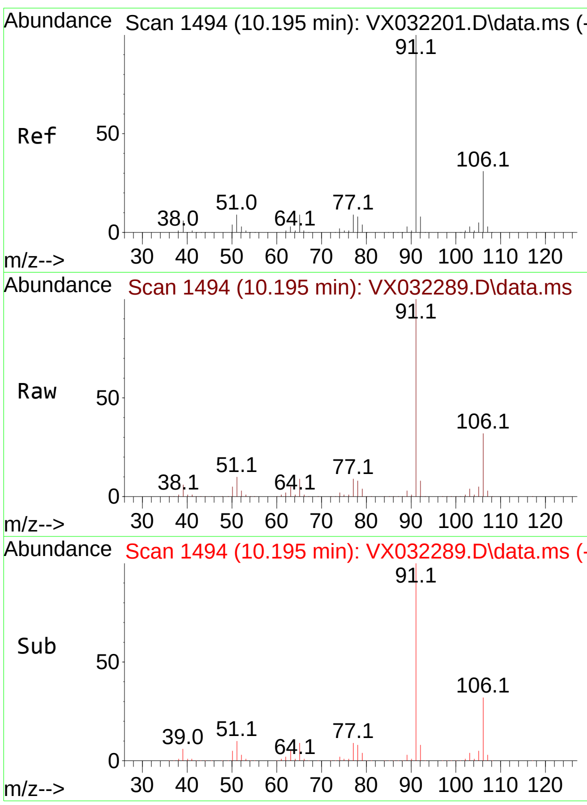
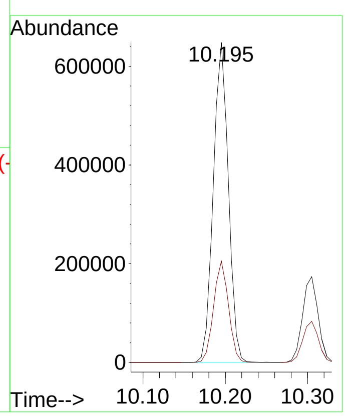


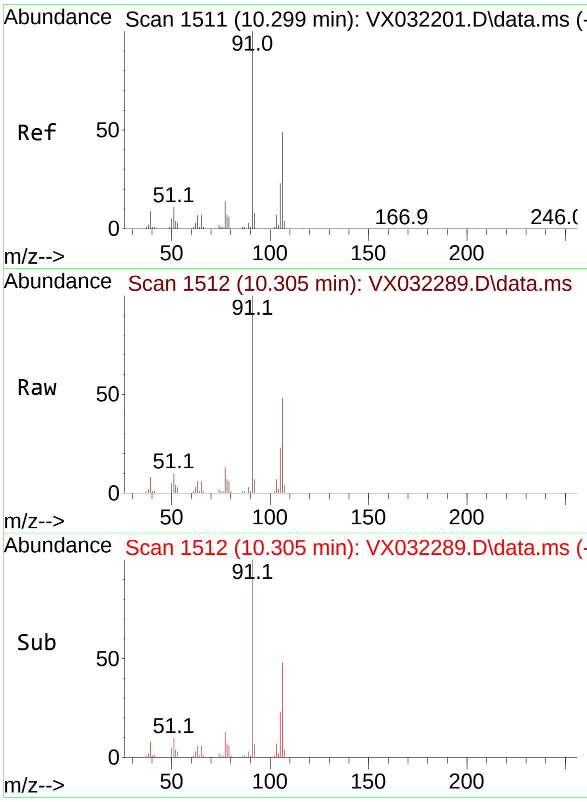


#67
Ethyl Benzene
Concen: 116.918 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion: 91 Resp: 825441

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.0	37.4





#68
m/p-Xylenes
Concen: 39.623 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:106 Resp: 11047

Ion	Ratio	Lower	Upper
106	100		
91	206.6	162.6	244.0

Instrument :
MSVOA_X
ClientSampleId :
RW-01

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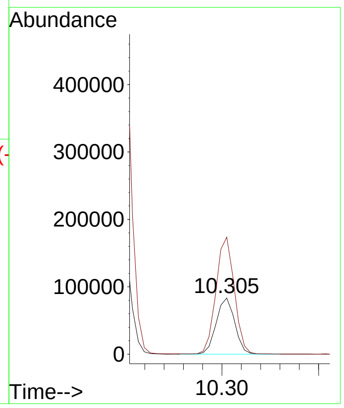
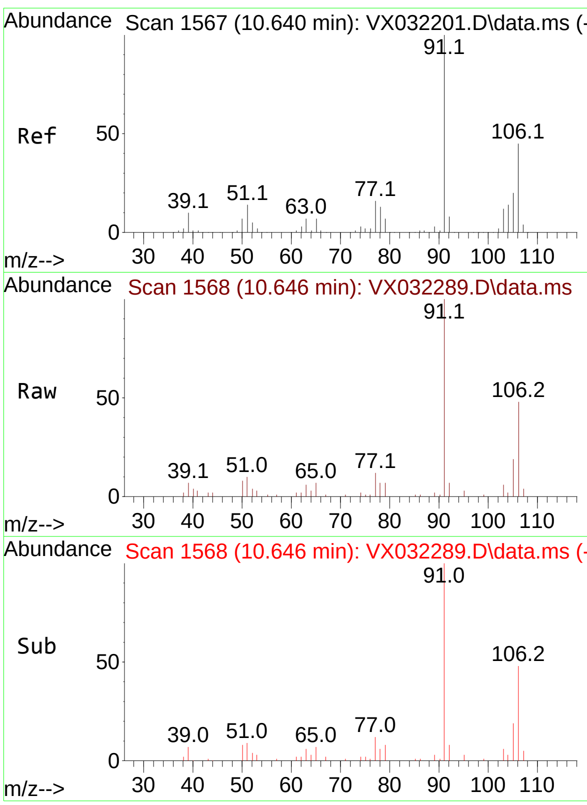
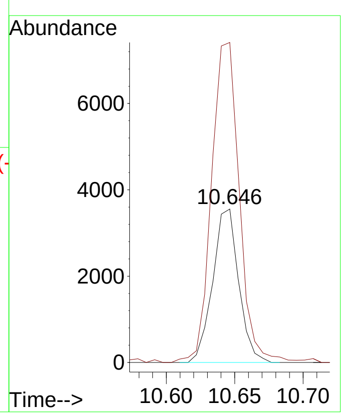


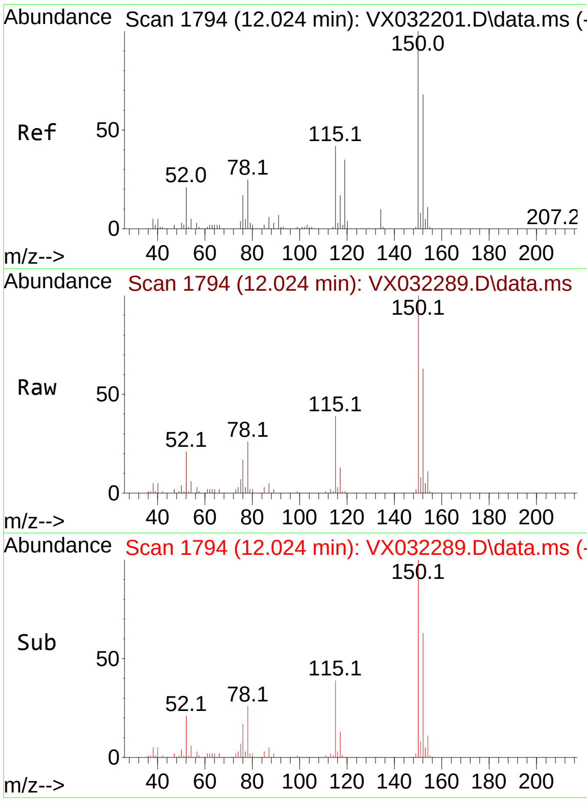


#69
o-Xylene
Concen: 1.759 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:106 Resp: 4699

Ion	Ratio	Lower	Upper
106	100		
91	222.5	108.3	324.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion:152 Resp: 95379

Ion	Ratio	Lower	Upper
152	100		
115	60.2	43.1	129.4
150	156.3	0.0	348.6

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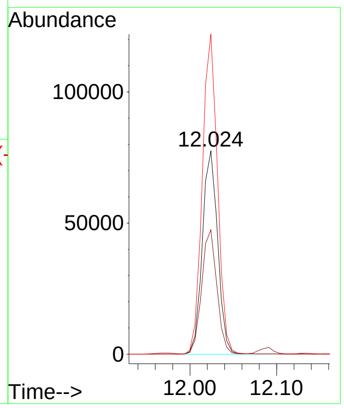
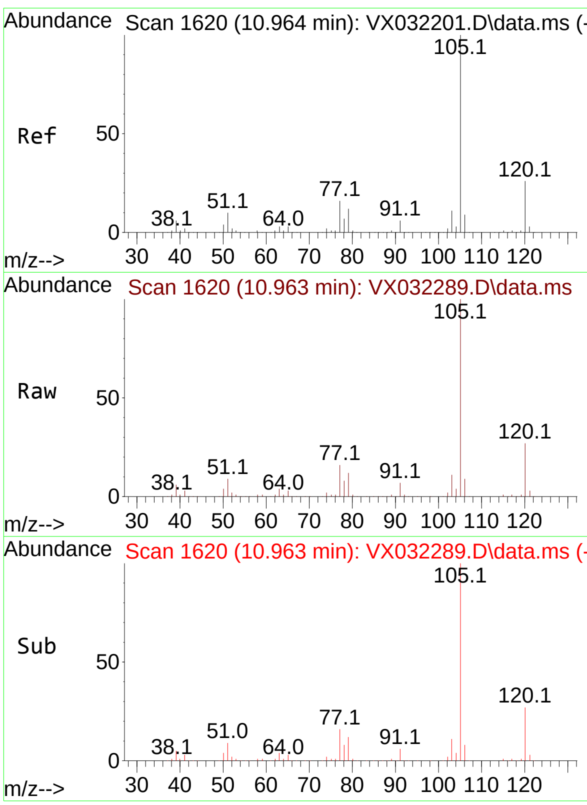
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

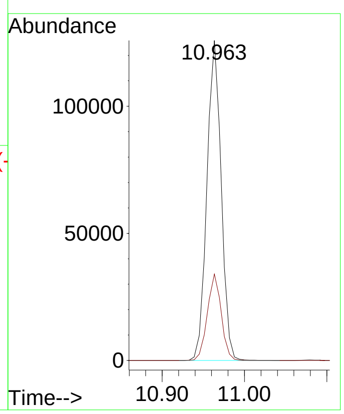


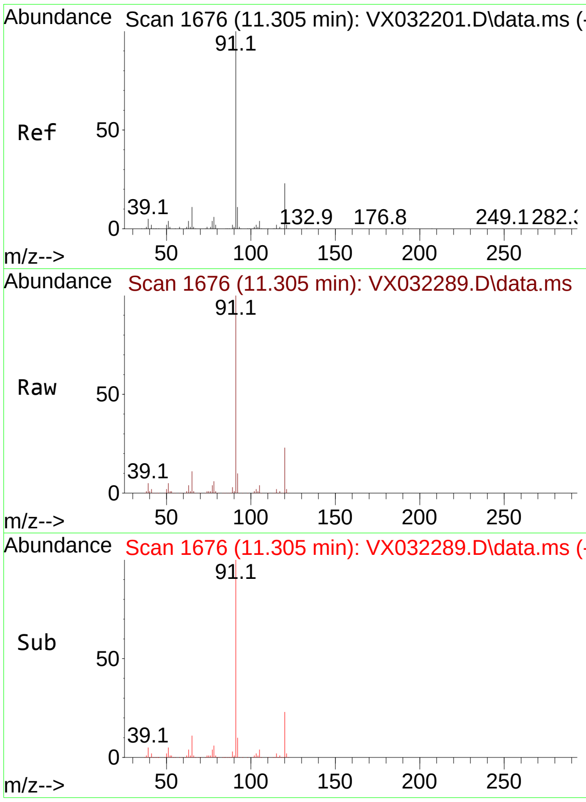


#73
Isopropylbenzene
Concen: 22.228 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:105 Resp: 151278

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6





#78
n-propylbenzene
Concen: 46.633 ug/l
RT: 11.305 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion: 91 Resp: 363404

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.6	34.8

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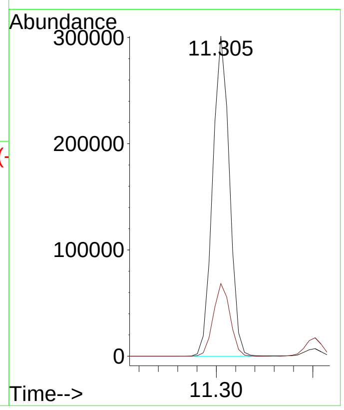
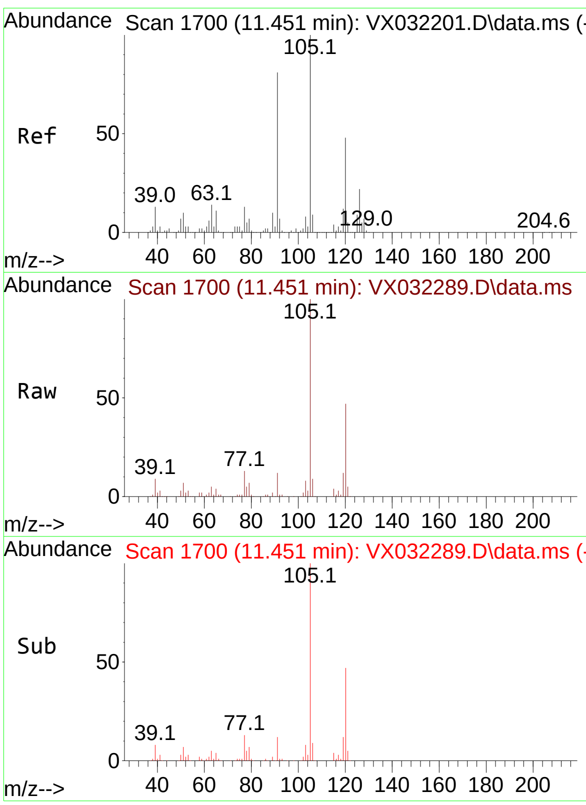
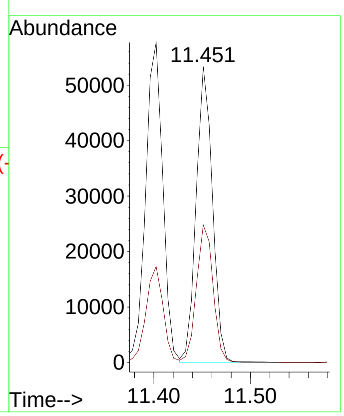


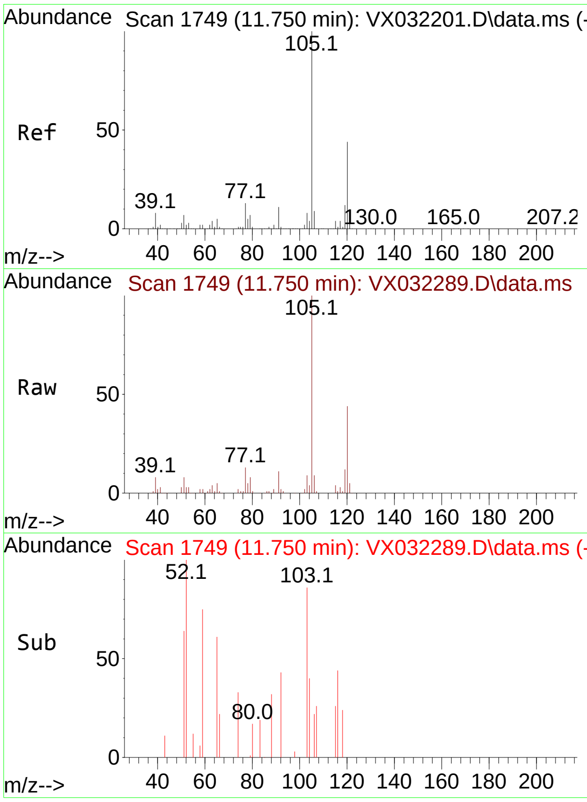


#80
1,3,5-Trimethylbenzene
Concen: 10.648 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:105 Resp: 62594

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.5	70.6





#84
1,2,4-Trimethylbenzene
Concen: 11.244 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion:105 Resp: 6426

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1

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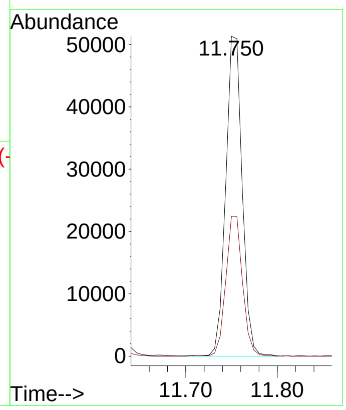
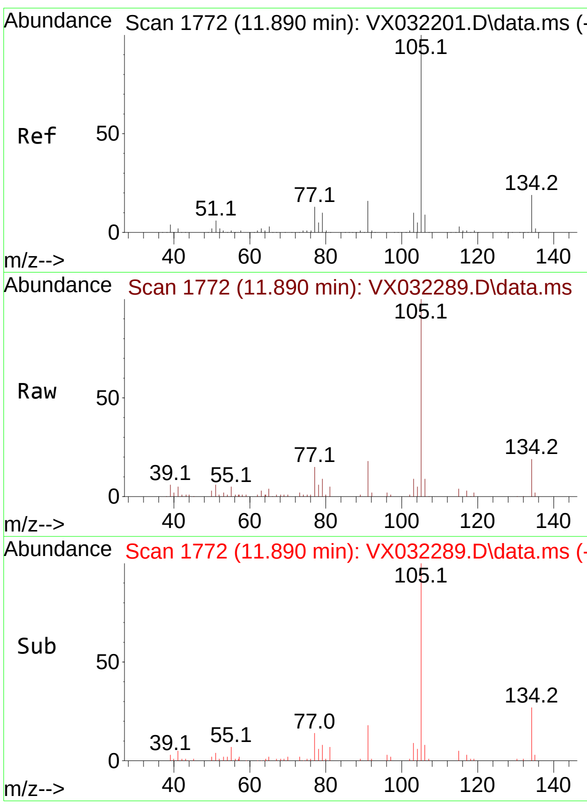
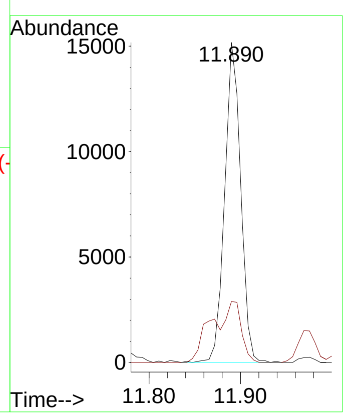


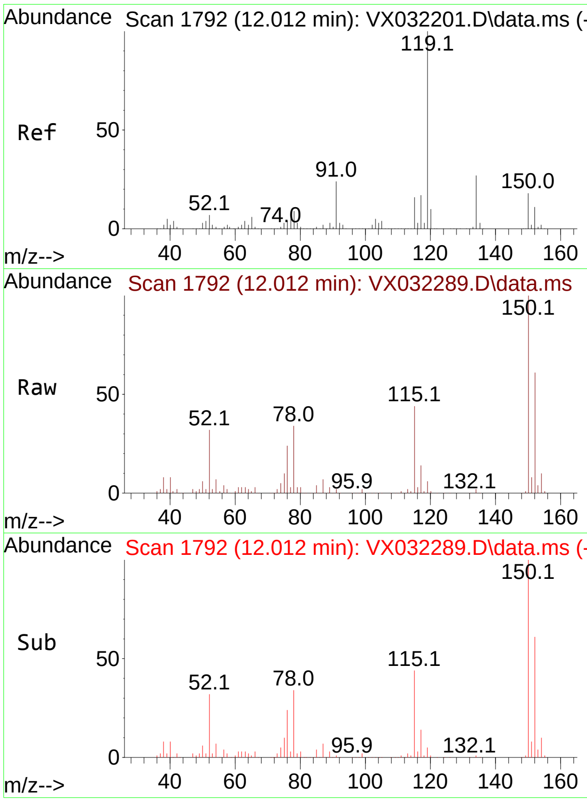


#85
sec-Butylbenzene
Concen: 2.604 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:105 Resp: 18512

Ion	Ratio	Lower	Upper
105	100		
134	18.9	10.1	30.3





#86
p-Isopropyltoluene
Concen: 0.571 ug/l
RT: 12.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Tgt Ion:119 Resp: 345

Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.2	39.5
91	0.0	12.4	37.2#

Manual Integrations
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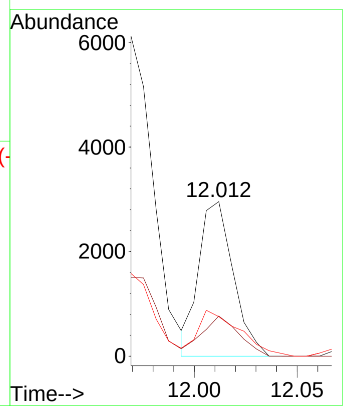
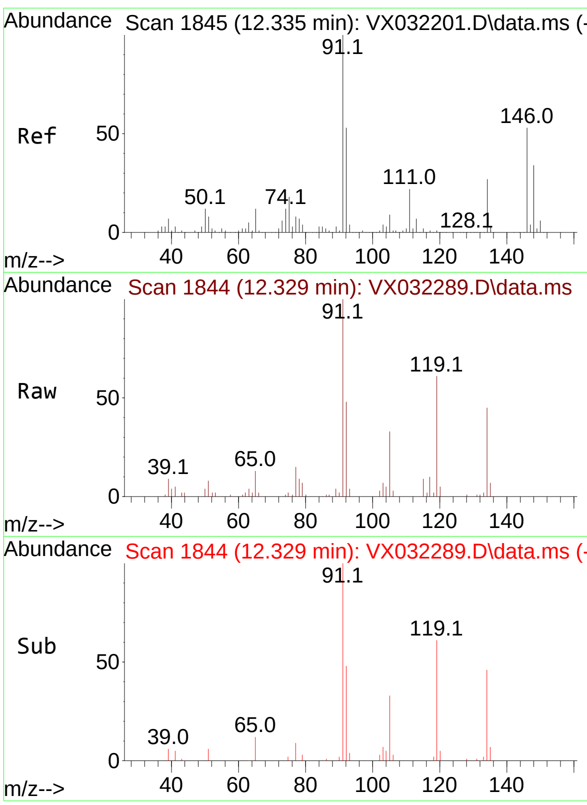
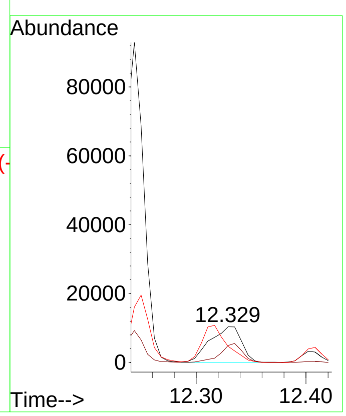


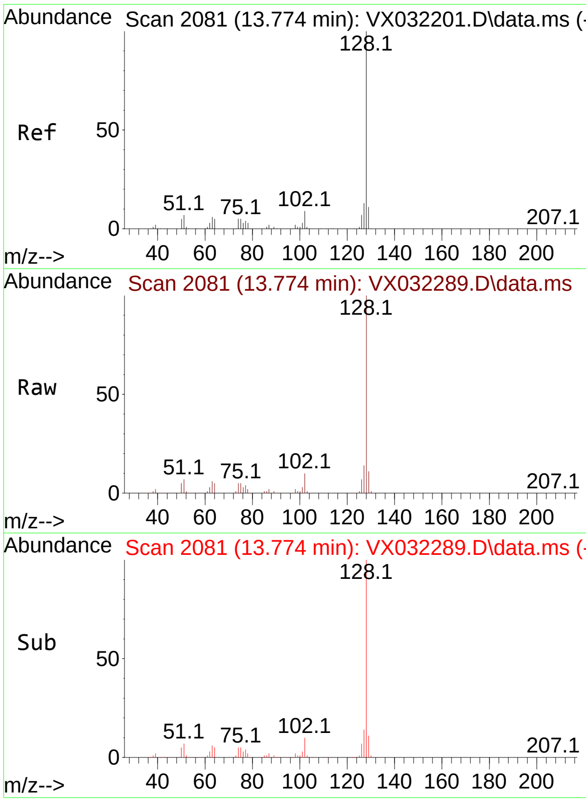


#89
n-Butylbenzene
Concen: 3.890 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion: 91 Resp: 20724

Ion	Ratio	Lower	Upper
91	100		
92	37.1	26.3	78.9
134	83.4	13.0	39.0#





#95
Naphthalene
Concen: 41.925 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032289.D
Acq: 21 Oct 2022 15:25

Tgt Ion:128 Resp: 27553

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.0	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
RW-01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022