Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031522\
Data File : VU047567.D
Acq On : 15 Mar 2022 11:12
Operator : SY/MD
Sample : N1840-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY21

Manual Integrations
APPROVED
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/16/2022

Quant Time: Mar 16 06:44:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR031422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Mar 16 06:43:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.285	114	126513	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.426	117	126081	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	71165	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.617	65	35340	4.271	ug/L	0.02
Spiked Amount 5.000	Range 40 - 130		Recovery = 85.400%			
7) Chloroethane-d5	1.938	69	35960	4.789	ug/L	0.02
Spiked Amount 5.000	Range 65 - 130		Recovery = 95.800%			
11) 1,1-Dichloroethene-d2	2.584	65	16965	4.372	ug/L	0.01
Spiked Amount 5.000	Range 60 - 125		Recovery = 87.400%			
20) 2-Butanone-d5	4.745	46	129129	54.241	ug/L	0.10
Spiked Amount 50.000	Range 40 - 130		Recovery = 108.480%			
24) Chloroform-d	5.089	84	79651	4.384	ug/L	0.02
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.600%			
26) 1,2-Dichloroethane-d4	5.751	65	45228	4.594	ug/L	0.04
Spiked Amount 5.000	Range 70 - 130		Recovery = 91.800%			
32) Benzene-d6	5.771	84	150415	4.098	ug/L	0.04
Spiked Amount 5.000	Range 70 - 125		Recovery = 82.000%			
36) 1,2-Dichloropropane-d6	6.722	67	53084	4.599	ug/L	0.03
Spiked Amount 5.000	Range 60 - 140		Recovery = 92.000%			
41) Toluene-d8	7.915	98	130719	3.799	ug/L	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 76.000%			
43) trans-1,3-Dichloroprop...	8.198	79	20129	4.148	ug/L	0.02
Spiked Amount 5.000	Range 55 - 130		Recovery = 83.000%			
46) 2-Hexanone-d5	8.655	63	119054	47.330	ug/L	0.02
Spiked Amount 50.000	Range 45 - 130		Recovery = 94.660%			
56) 1,1,2,2-Tetrachloroeth...	10.761	84	51412	4.460	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.200%			
66) 1,2-Dichlorobenzene-d4	12.195	152	62498	4.203	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 84.000%			
Target Compounds						Qvalue
5) Vinyl chloride	1.620	62	1917	0.244	ug/L #	50
8) Chloroethane	1.961	64	2131	0.448	ug/L	97
12) 1,1-Dichloroethene	2.597	96	4161	0.660	ug/L #	1
13) Acetone	2.777	43	31836m	34.297	ug/L	
16) Methylene chloride	3.067	84	7330	0.788	ug/L	93
17) Methyl tert-butyl Ether	3.411	73	328187	20.294	ug/L	98
19) 1,1-Dichloroethane	3.886	63	4705	0.395	ug/L	97
21) 2-Butanone	4.829	43	7240	4.100	ug/L #	61
22) cis-1,2-Dichloroethene	4.687	96	169739	22.580	ug/L	99
29) 1,1,1-Trichloroethane	5.349	97	1216	0.108	ug/L #	81
33) Benzene	5.816	78	163297	5.732	ug/L	100
34) Trichloroethene	6.574	95	99689	13.206	ug/L	98
42) Toluene	7.986	91	13997	0.453	ug/L	99
47) Tetrachloroethene	8.565	164	126172	19.595	ug/L	99

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

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Mar 16 06:43:54 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFY21

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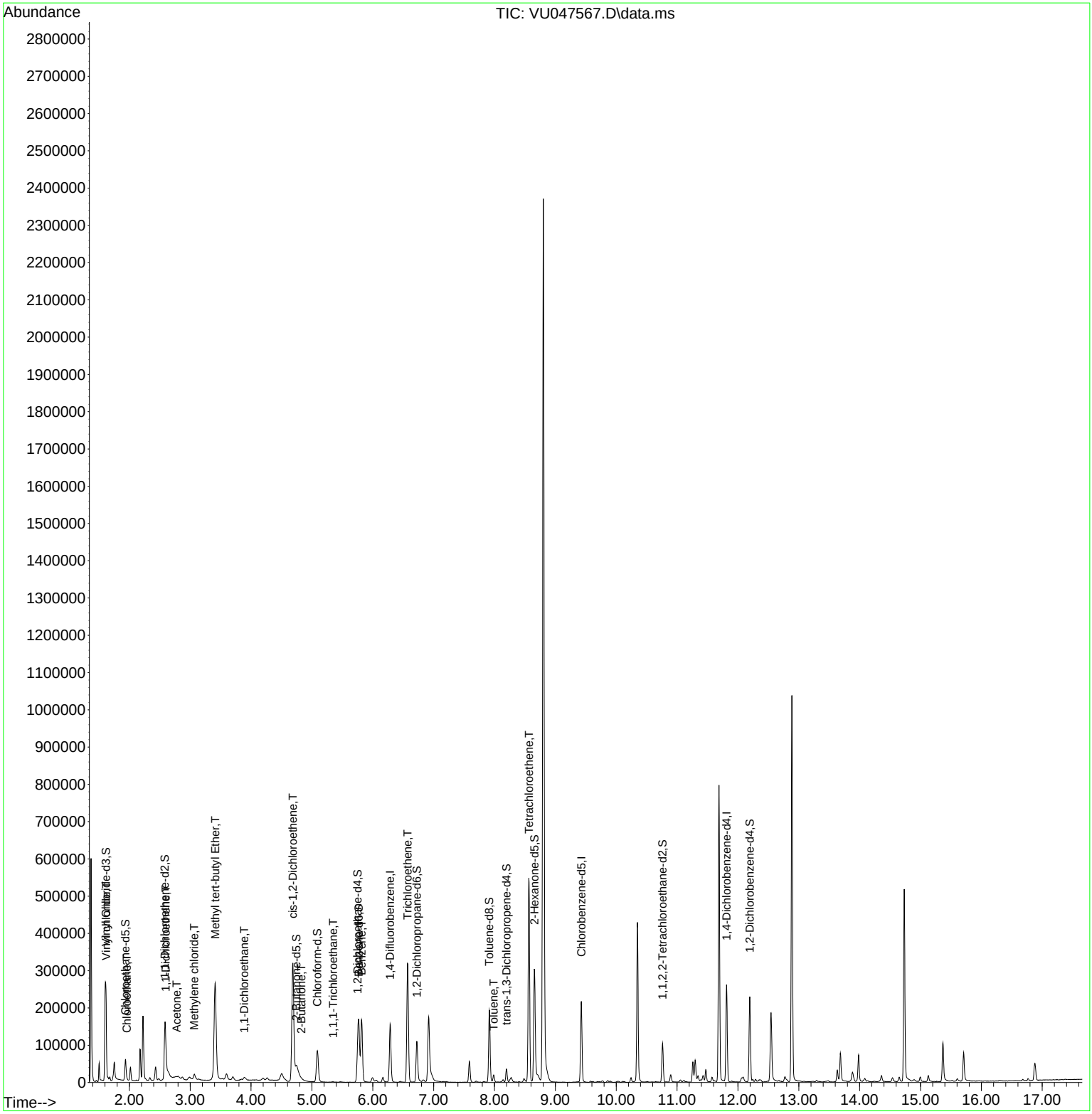

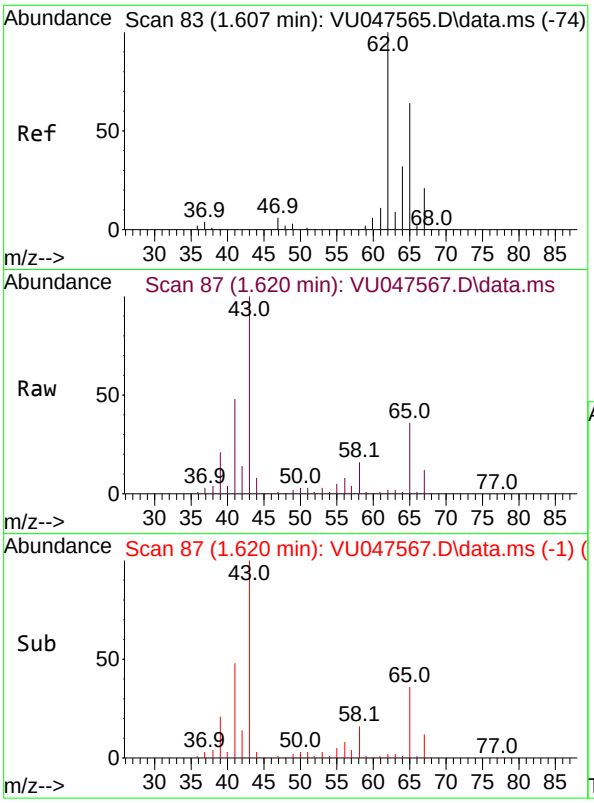

#5
Vinyl chloride
Concen: 0.244 ug/L
RT: 1.620 min Scan# 8
Delta R.T. 0.013 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 62 Resp: 191

Ion	Ratio	Lower	Upper
62	100		
64	61.9	23.5	43.7#

Instrument :
MSVOA_U
ClientSampleId :
BFY21

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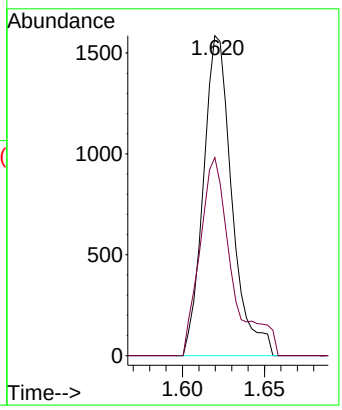
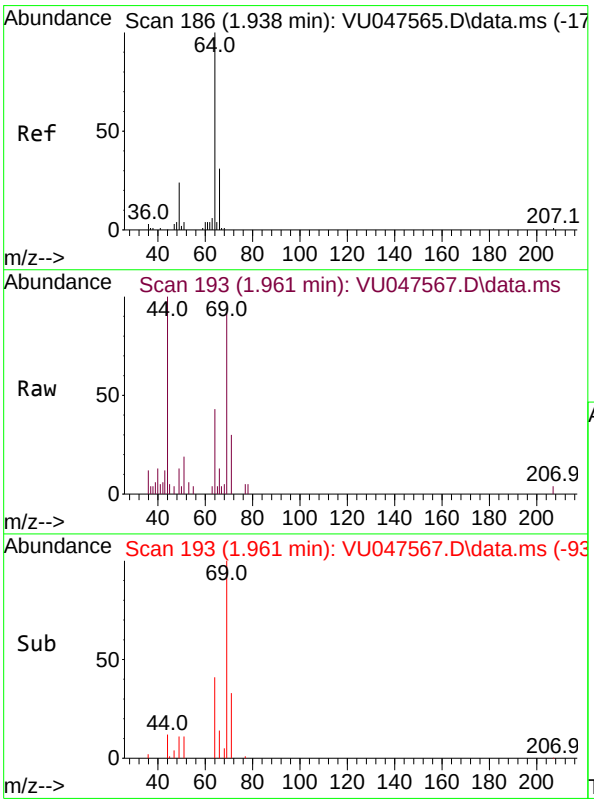
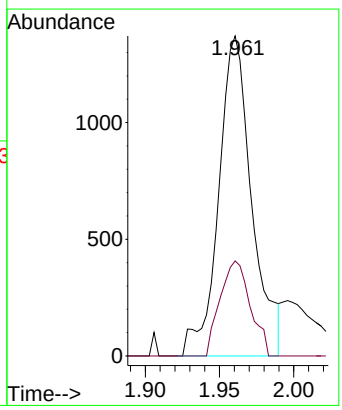


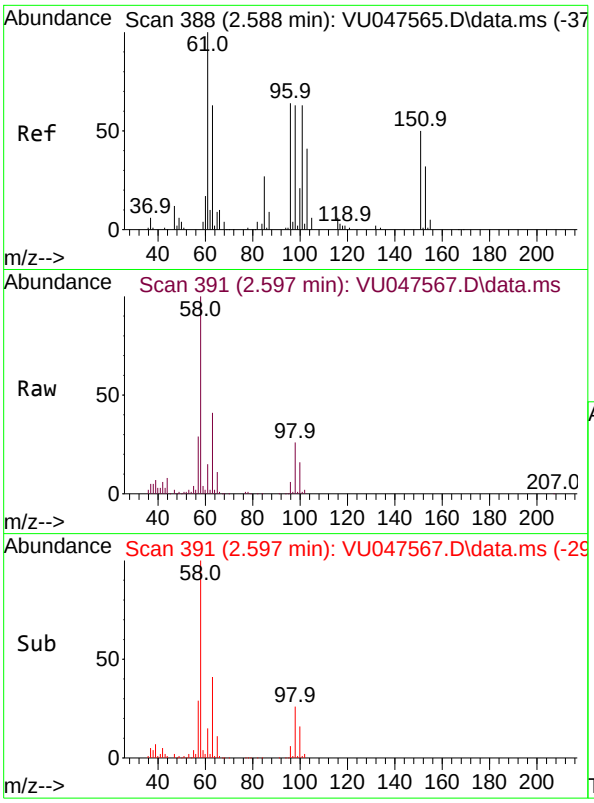


#8
Chloroethane
Concen: 0.448 ug/L
RT: 1.961 min Scan# 193
Delta R.T. 0.022 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 64 Resp: 2131

Ion	Ratio	Lower	Upper
64	100		
66	29.7	22.0	40.8





#12
1,1-Dichloroethene
Concen: 0.660 ug/L
RT: 2.597 min Scan# 3
Delta R.T. 0.010 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 96 Resp: 416

Ion	Ratio	Lower	Upper
96	100		
61	226.4	111.4	207.0#
63	637.7	106.6	198.0#

Instrument :
MSVOA_U
ClientSampleId :
BFY21

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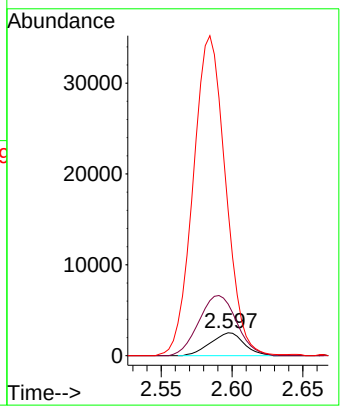
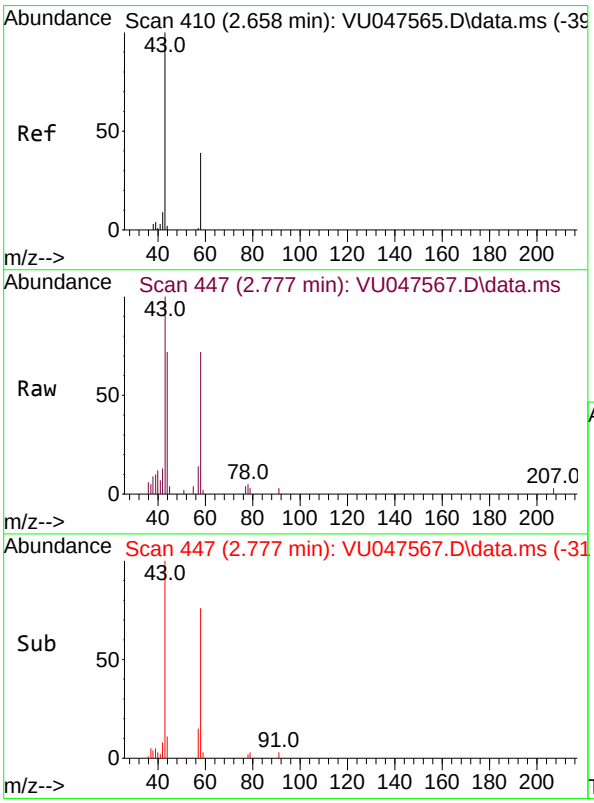
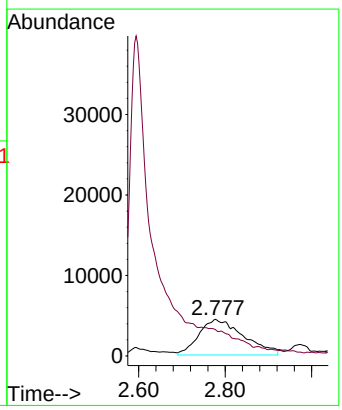


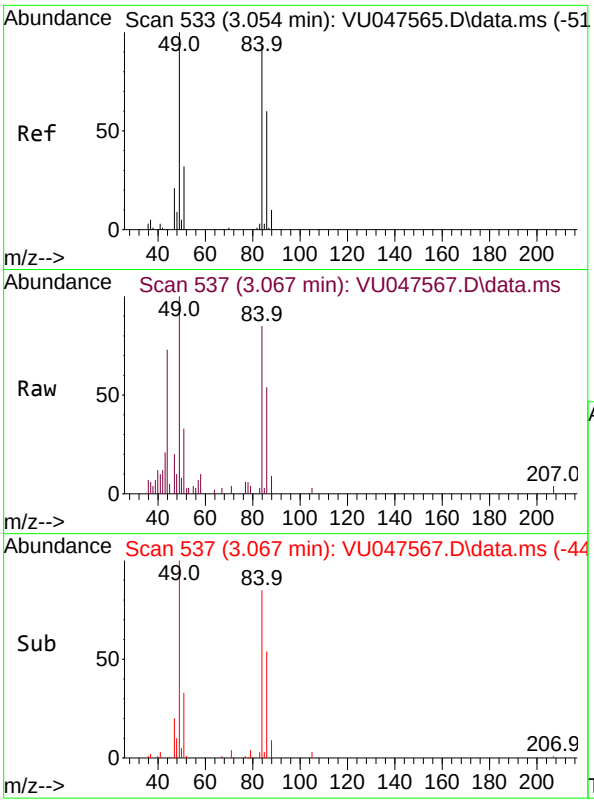


#13
Acetone
Concen: 34.297 ug/L m
RT: 2.777 min Scan# 447
Delta R.T. 0.119 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 43 Resp: 31836

Ion	Ratio	Lower	Upper
43	100		
58	443.7	0.0	69.4#





#16
Methylene chloride
Concen: 0.788 ug/L
RT: 3.067 min Scan# 5
Delta R.T. 0.013 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 84 Resp: 733

Ion	Ratio	Lower	Upper
84	100		
86	63.5	45.4	84.4
49	117.7	75.0	139.4

Instrument :
MSVOA_U
ClientSampleId :
BFY21

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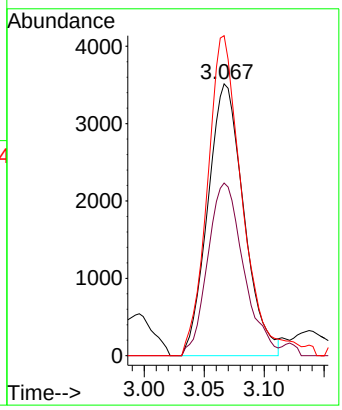
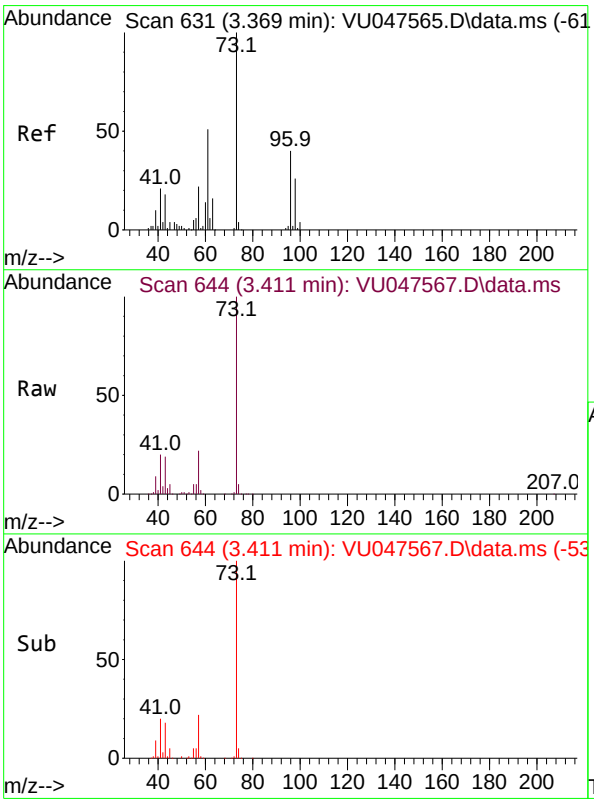
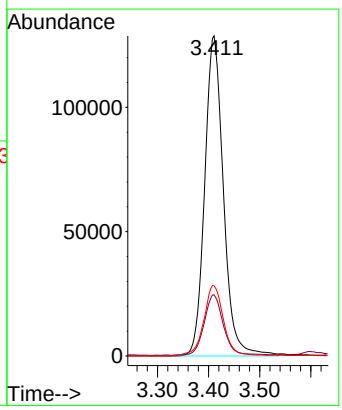


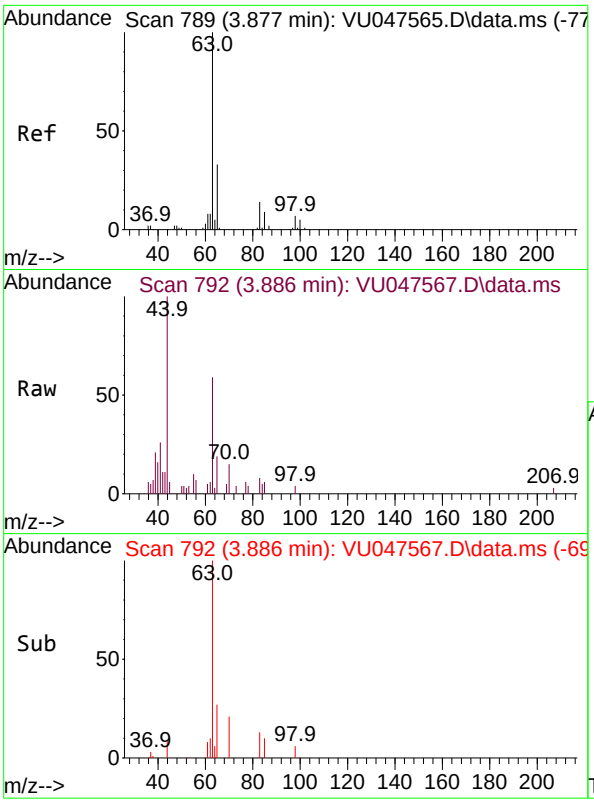


#17
Methyl tert-butyl Ether
Concen: 20.294 ug/L
RT: 3.411 min Scan# 644
Delta R.T. 0.042 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 73 Resp: 328187

Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.2	22.8
57	23.1	17.2	25.8





#19
1,1-Dichloroethane
Concen: 0.395 ug/L
RT: 3.886 min Scan# 7
Delta R.T. 0.010 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 63 Resp: 470

Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.8	40.6
83	13.5	10.8	20.0

Instrument :
MSVOA_U
ClientSampleId :
BFY21

Manual Integrations
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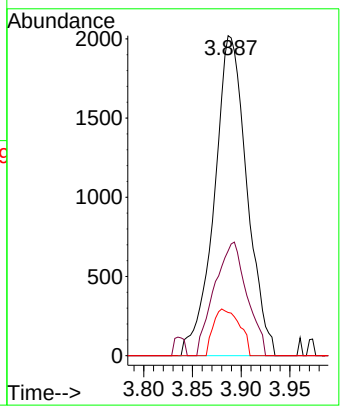
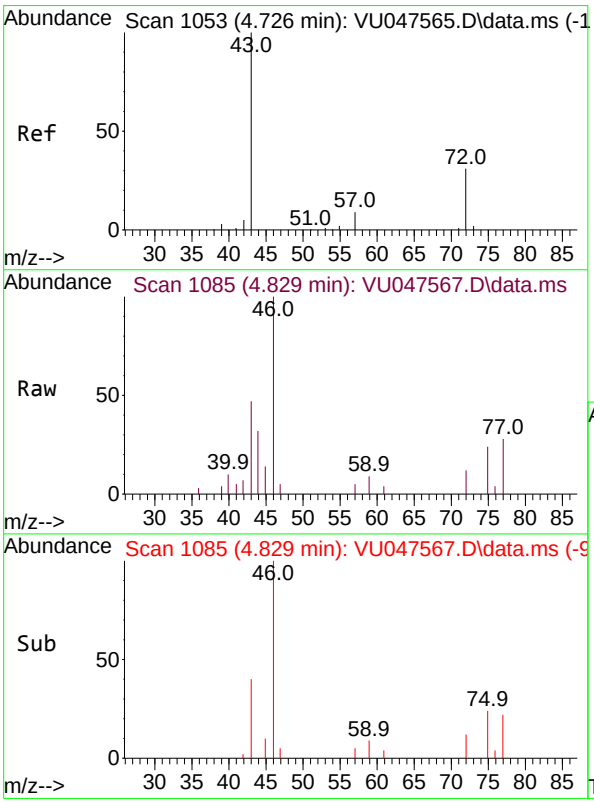
Supervised By :Mahesh Dadoda 03/16/2022

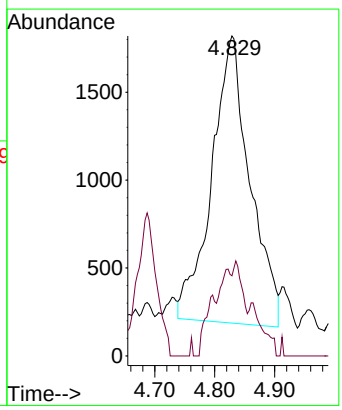


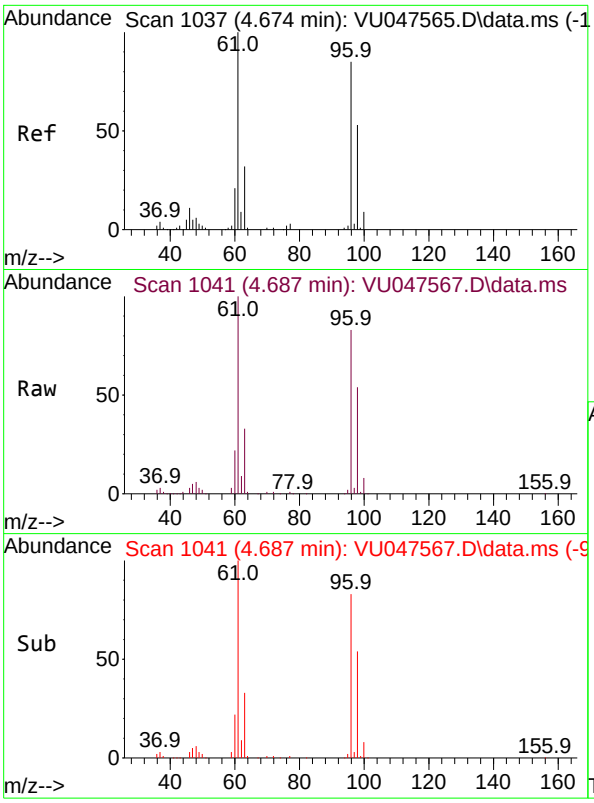


#21
2-Butanone
Concen: 4.100 ug/L
RT: 4.829 min Scan# 1085
Delta R.T. 0.103 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 43 Resp: 7240

Ion	Ratio	Lower	Upper
43	100		
72	8.7	14.9	44.7#





#22
cis-1,2-Dichloroethene
Concen: 22.580 ug/L
RT: 4.687 min Scan# 1(
Delta R.T. 0.013 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 96 Resp: 16973

Ion	Ratio	Lower	Upper
96	100		
61	120.2	83.9	155.7
98	64.4	46.4	86.2

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ClientSampleId :
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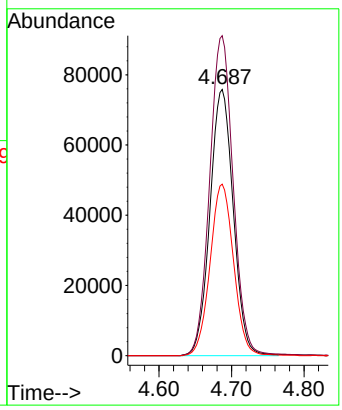
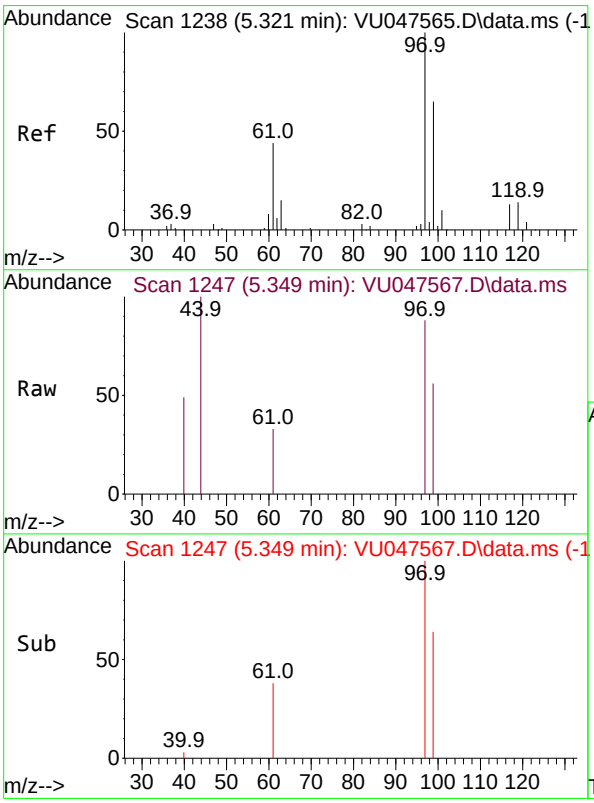
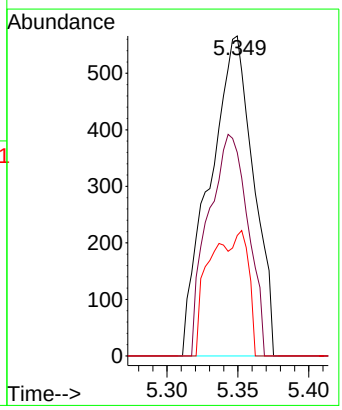


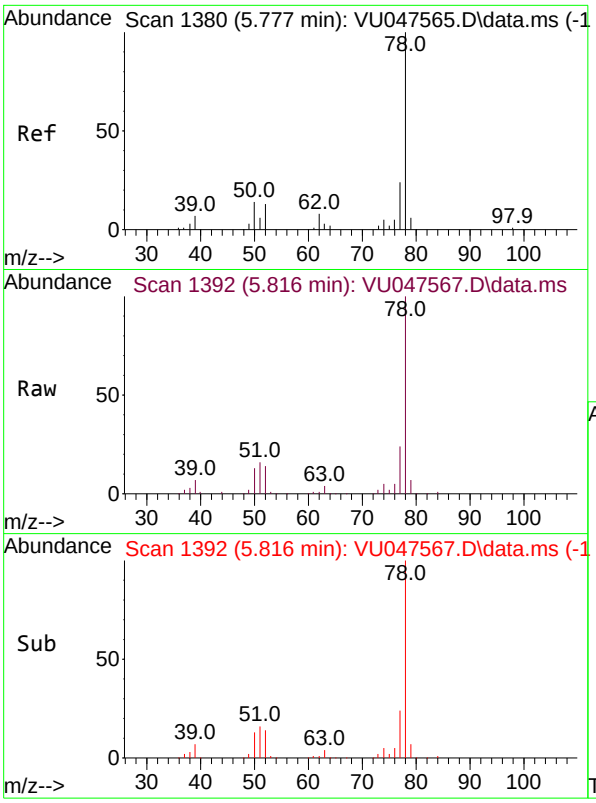


#29
1,1,1-Trichloroethane
Concen: 0.108 ug/L
RT: 5.349 min Scan# 1247
Delta R.T. 0.029 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 97 Resp: 1216

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.2	76.8
61	15.0	35.0	52.4#





#33
Benzene
Concen: 5.732 ug/L
RT: 5.816 min Scan# 1
Delta R.T. 0.038 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 78 Resp: 16329

Instrument :
MSVOA_U
ClientSampleId :
BFY21

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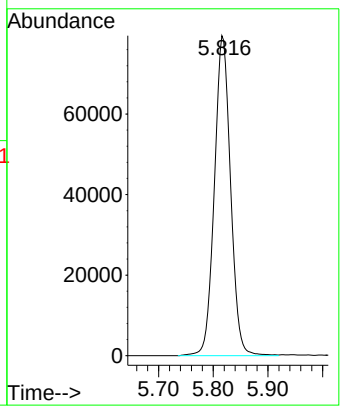
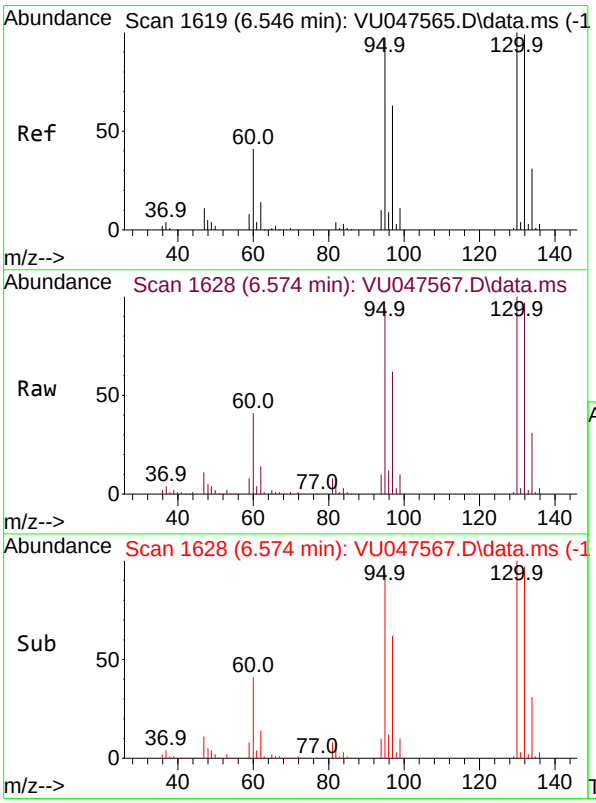
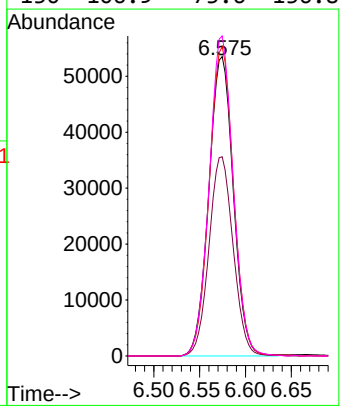


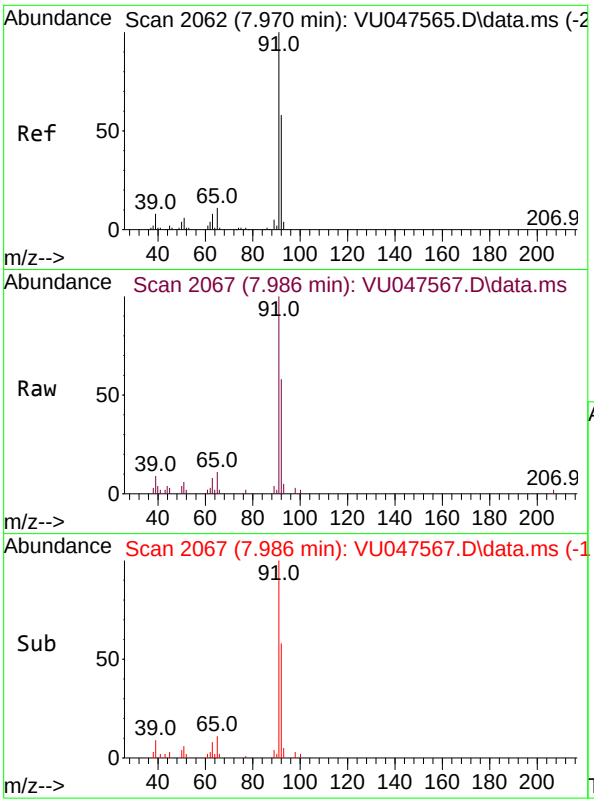


#34
Trichloroethene
Concen: 13.206 ug/L
RT: 6.574 min Scan# 1628
Delta R.T. 0.029 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 95 Resp: 99689

Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.3	85.9
132	103.3	70.7	131.3
130	106.9	73.6	136.8





#42
Toluene
Concen: 0.453 ug/L
RT: 7.986 min Scan# 2(
Delta R.T. 0.016 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 91 Resp: 1399

Ion	Ratio	Lower	Upper
91	100		
92	58.5	40.2	74.6

Instrument :
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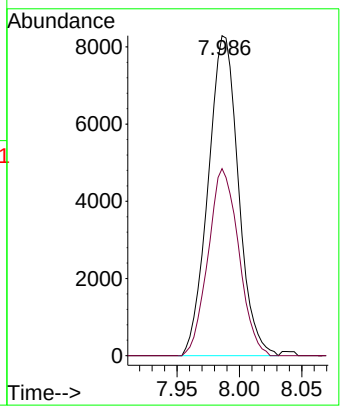
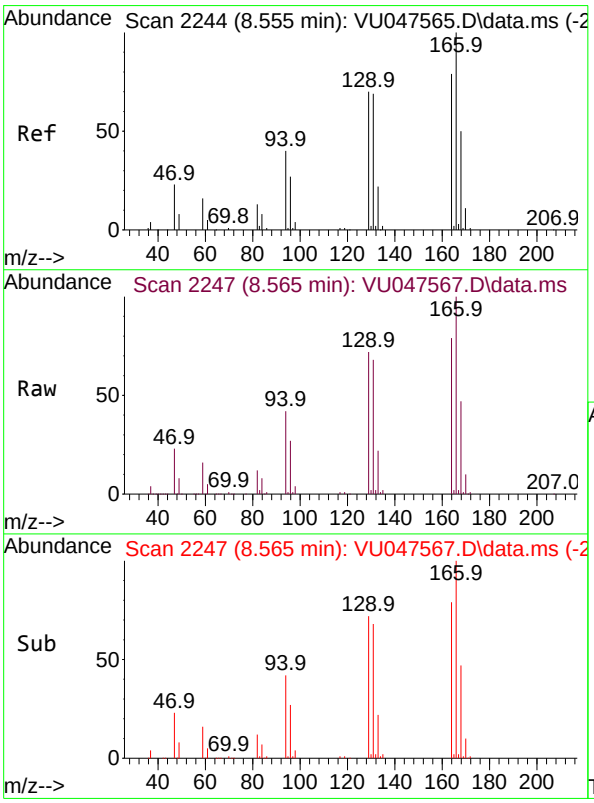
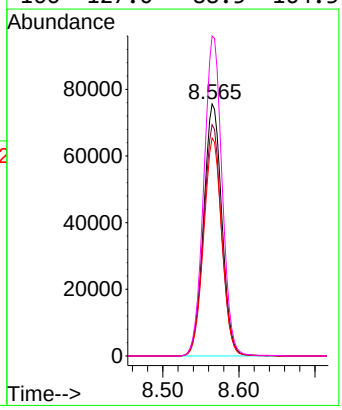




#47
Tetrachloroethene
Concen: 19.595 ug/L
RT: 8.565 min Scan# 2247
Delta R.T. 0.010 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion:164 Resp: 126172

Ion	Ratio	Lower	Upper
164	100		
129	91.7	63.5	117.9
131	86.6	60.5	112.5
166	127.0	88.5	164.3