Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
Data File : VL038382.D
Acq On : 22 Feb 2022 9:08
Operator : SY/AP
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 19:50:23 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Amit Patel 02/23/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.645	49	969115	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.150	114	2461288	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.056	117	2395522m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.384	95	1926159	9.718	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.041	85	1246997	8.124	ppbv	96
3) Chlorodifluoromethane	2.980	51	1591057	9.297	ppbv	99
4) Chloromethane	3.131	50	561334	9.440	ppbv	97
5) Vinyl Chloride	3.246	62	563262	9.061	ppbv	100
6) Bromomethane	3.465	94	291333	8.885	ppbv	100
7) Chloroethane	3.542	64	195961	9.815	ppbv	99
8) Dichlorotetrafluoroethane	3.179	85	1379946	9.665	ppbv	99
9) Propene	3.002	41	541902	9.591	ppbv	98
10) Heptane	8.095	43	1371957	9.975	ppbv	99
11) Trichlorofluoromethane	3.935	101	1326263	9.025	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.468	101	978207	9.079	ppbv	98
13) Ethanol	3.591	45	44677m	7.923	ppbv	
14) Bromoethene	3.726	108	428088	9.973	ppbv	96
15) Acetone	3.835	43	663679	8.053	ppbv	99
16) 1,3-Butadiene	3.317	39	537626	9.766	ppbv	97
17) tert-Butyl alcohol	4.269	59	860108	10.461	ppbv	100
18) 1,1-Dichloroethene	4.275	96	441693	9.337	ppbv	99
19) Isopropyl Alcohol	3.947	45	460457	9.648	ppbv	99
20) Methylene Chloride	4.327	84	352027	8.621	ppbv	97
21) Allyl Chloride	4.394	41	651545	9.360	ppbv	99
22) trans-1,2-Dichloroethene	4.864	96	463747	9.717	ppbv	98
23) Vinyl Acetate	5.050	43	1071871	9.814	ppbv	99
24) 1,1-Dichloroethane	4.989	63	890496	9.069	ppbv	100
25) Ethyl Acetate	5.655	43	2128707	9.614	ppbv	99
26) Hexane	5.664	57	979745	9.771	ppbv	97
27) Carbon Disulfide	4.533	76	1111042	9.962	ppbv	99
28) Methyl tert-Butyl Ether	5.012	73	976965	9.566	ppbv	100
29) Chloroform	5.729	83	1589481	9.713	ppbv	100
30) Cyclohexane	7.105	84	833687	10.166	ppbv	96
31) cis-1,2-Dichloroethene	5.526	61	994563	10.238	ppbv	97
32) 1,1,1-Trichloroethane	6.487	97	1578186	9.589	ppbv	99
34) 2-Butanone	5.224	43	696583	8.999	ppbv	97
35) Carbon Tetrachloride	6.995	117	1618179	9.350	ppbv	97
36) Benzene	6.867	78	2063358	9.523	ppbv	97
37) 1,2-Dichloroethane	6.285	62	1163278	9.291	ppbv	100
38) Trichloroethene	7.806	130	738669	9.359	ppbv	94
39) 1,2-Dichloropropane	7.587	63	818182	9.480	ppbv	99
40) 1,4-Dioxane	7.803	88	199001m	9.721	ppbv	
41) Tetrahydrofuran	6.024	42	519758	9.938	ppbv	98
42) Bromodichloromethane	7.764	83	1732767	9.584	ppbv	99
43) Methyl Methacrylate	7.986	69	757936	10.062	ppbv	99
44) 2,2,4-Trimethylpentane	7.844	57	3448870	9.261	ppbv	100
45) t-1,3-Dichloropropene	9.249	75	603735	10.029	ppbv	97

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Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 19:50:23 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Amit Patel 02/23/2022

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.677	75	749626	9.501	ppbv		98
47)	1,1,2-Trichloroethane	9.449	97	816558	9.510	ppbv		97
48)	Dibromochloromethane	10.275	129	1405729	10.012	ppbv		99
49)	Bromoform	13.011	173	1069330	10.318	ppbv		99
50)	4-Methyl-2-Pentanone	8.716	43	1398020	10.215	ppbv		98
51)	2-Hexanone	10.108	43	632580	10.324	ppbv	#	98
52)	Tetrachloroethene	11.191	164	668675	9.296	ppbv		97
53)	Toluene	9.777	91	2309345	9.816	ppbv		99
54)	1,2-Dibromoethane	10.581	107	1193982	9.878	ppbv		94
56)	1,1,1,2-Tetrachloroethane	12.095	131	907646	9.090	ppbv		99
57)	Chlorobenzene	12.117	112	1649218	8.923	ppbv		97
58)	Ethyl Benzene	12.680	91	3053788	9.322	ppbv		99
59)	m/p-Xylene	12.963	91	5168604m	18.372	ppbv		
60)	o-Xylene	13.661	91	2385827	8.971	ppbv		98
61)	Styrene	13.497	104	1265163	10.314	ppbv		99
62)	Isopropylbenzene	14.638	105	3264073	9.145	ppbv		100
63)	1,1,2,2-Tetrachloroethane	13.645	83	1783642	8.255	ppbv		100
64)	n-propylbenzene	15.529	120	837586	9.478	ppbv		96
65)	tert-Butylbenzene	16.712	119	2893020	9.358	ppbv		98
66)	Benzyl Chloride	16.957	91	149022	8.920	ppbv	#	96
67)	sec-Butylbenzene	17.265	105	4052727	9.252	ppbv		100
69)	p-Isopropyltoluene	17.622	119	3332726	9.686	ppbv		100
70)	n-Butylbenzene	18.519	91	3522801	9.894	ppbv		100
71)	2-Chlorotoluene	15.423	91	2530395	9.219	ppbv		98
72)	4-Ethyltoluene	15.809	105	2828452	9.653	ppbv		99
73)	1,3,5-Trimethylbenzene	15.966	105	2549254	9.580	ppbv		100
74)	1,2,4-Trimethylbenzene	16.731	105	2670234	9.505	ppbv		98
75)	1,3-Dichlorobenzene	16.966	146	1488677	9.461	ppbv		99
76)	1,4-Dichlorobenzene	17.104	146	1426839	9.195	ppbv		99
77)	1,2-Dichlorobenzene	17.783	146	1415638	9.346	ppbv		99
78)	Hexachloro-1,3-Butadiene	23.342	225	1051481	9.102	ppbv		99
79)	Naphthalene	22.159	128	1973815	12.967	ppbv		99
80)	Naphthalene,2-methyl-	24.947	142	432968	14.554	ppbv		96
81)	1,2,4-Trichlorobenzene	21.886	180	1086108	11.801	ppbv		97

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

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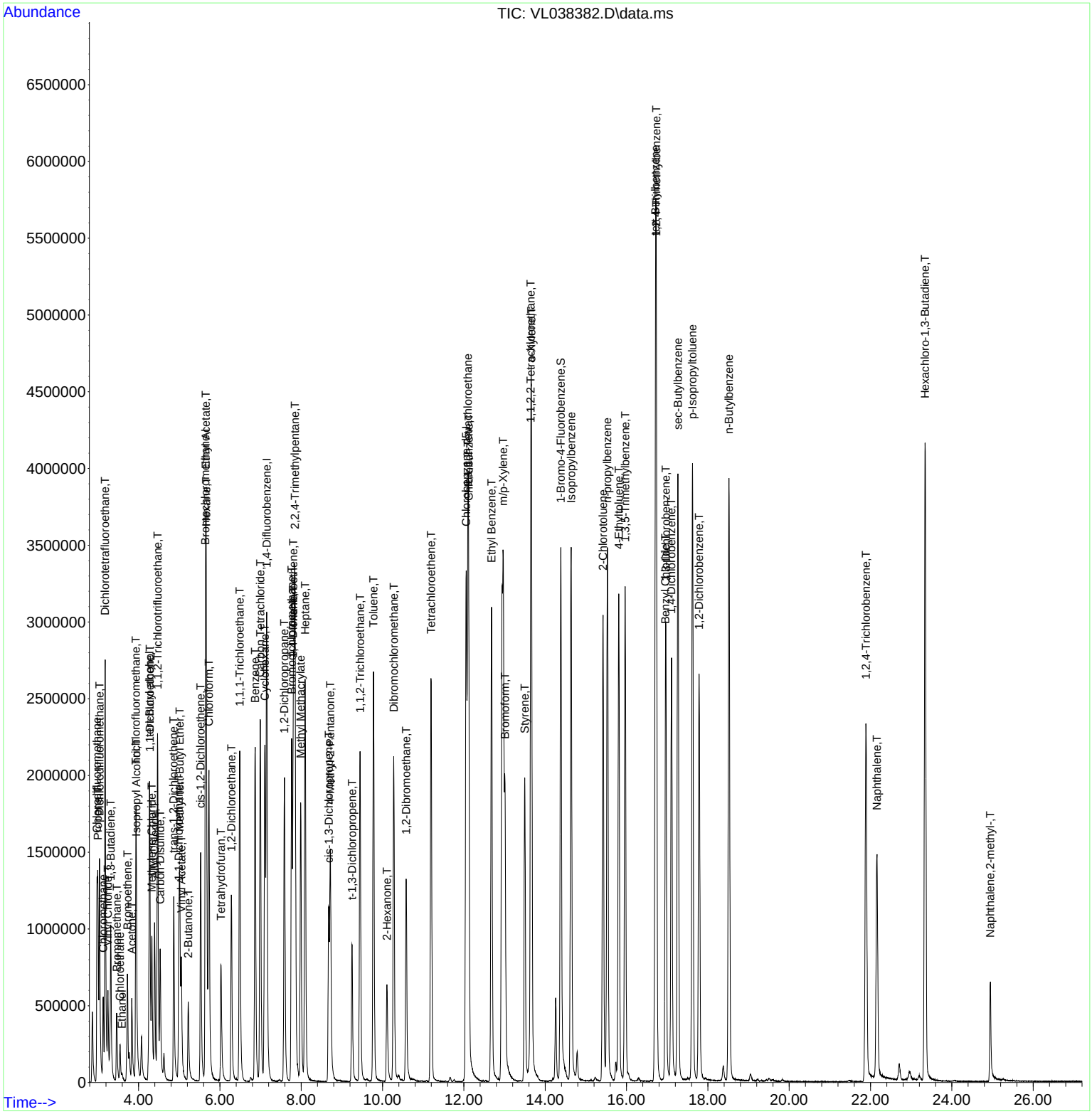
ALS Vial : 1 Sample Multiplier: 1

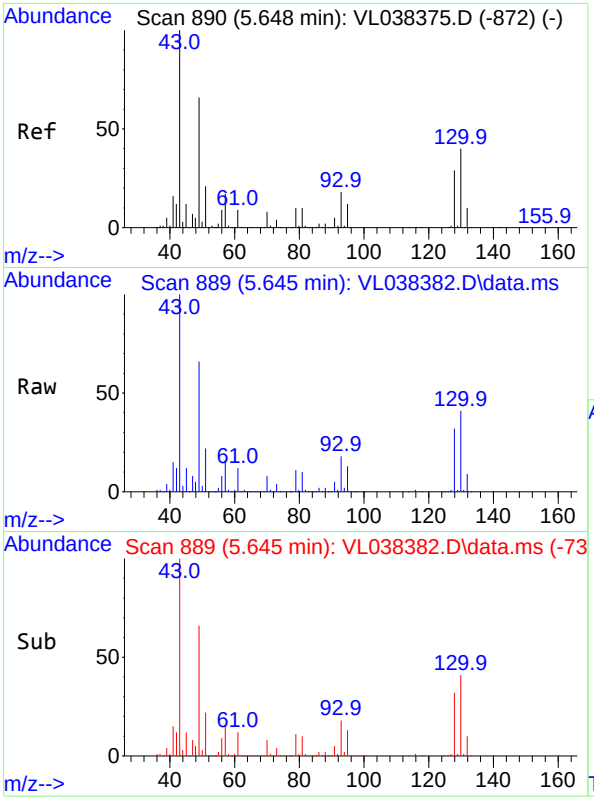
Quant Time: Feb 22 19:50:23 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Amit Patel 02/23/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.645 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 49 Resp: 96911

Ion	Ratio	Lower	Upper
49	100		
128	50.4	24.3	72.9
130	61.8	30.1	90.5

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

Manual Integrations
APPROVED

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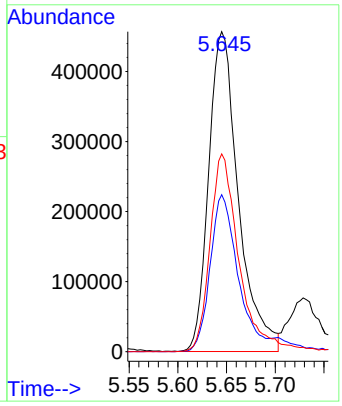
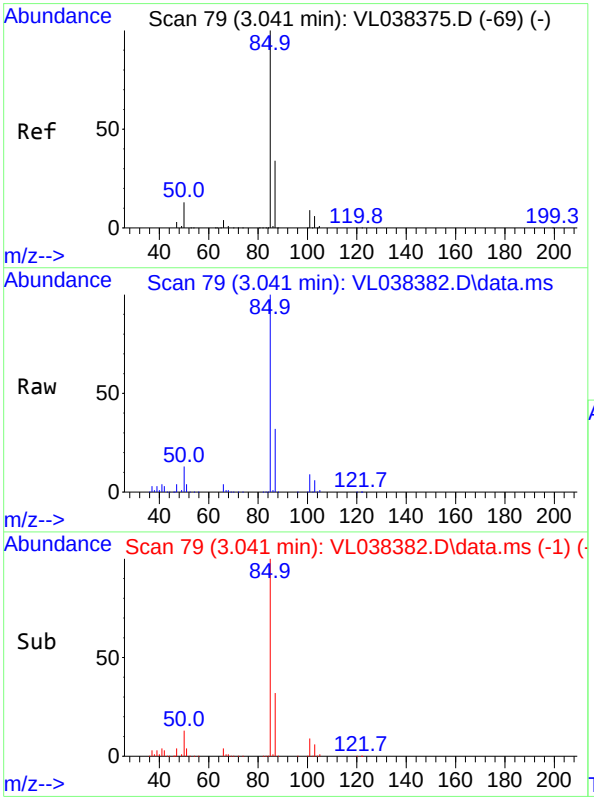
Supervised By :Amit Patel 02/23/2022

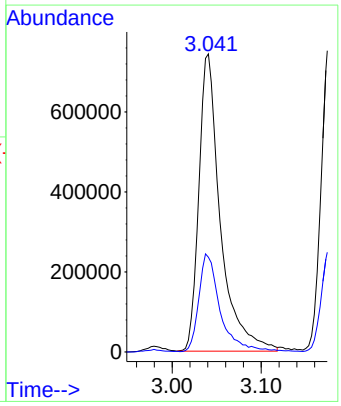


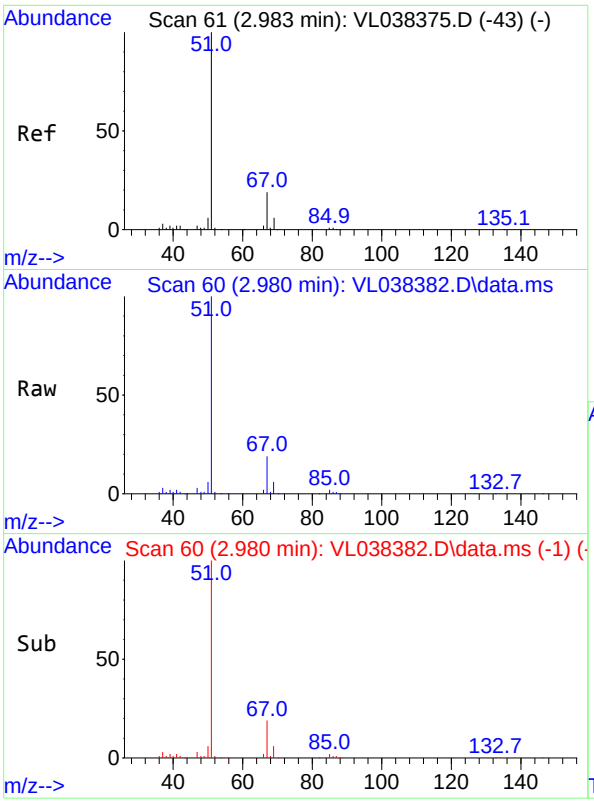


#2
Dichlorodifluoromethane
Concen: 8.124 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 85 Resp: 1246997

Ion	Ratio	Lower	Upper
85	100		
87	31.6	27.4	41.0

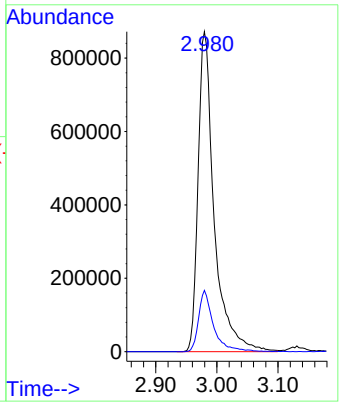




#3
Chlorodifluoromethane
Concen: 9.297 ppbv
RT: 2.980 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 51 Resp: 159105

Ion	Ratio	Lower	Upper
51	100		
67	17.9	14.7	22.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

Manual Integrations
APPROVED

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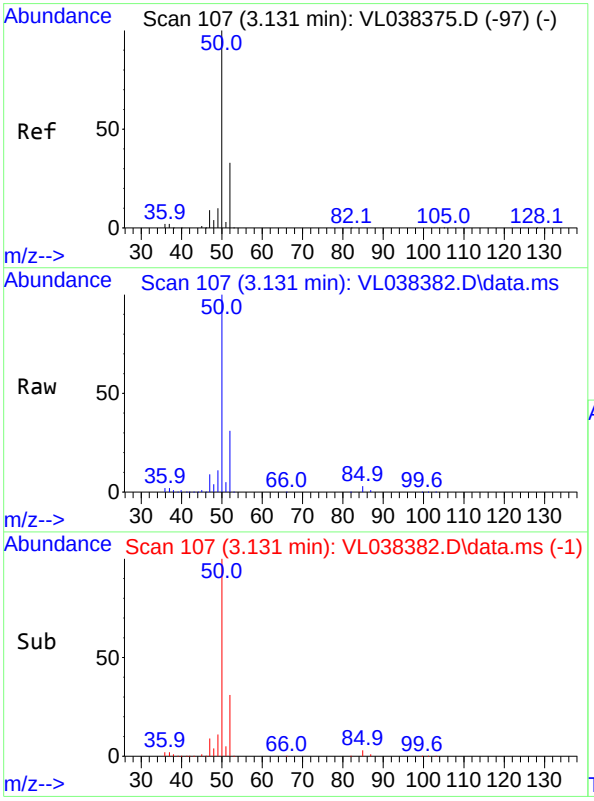
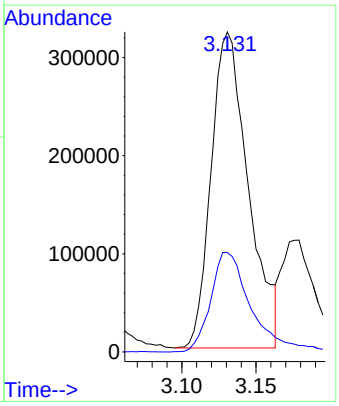
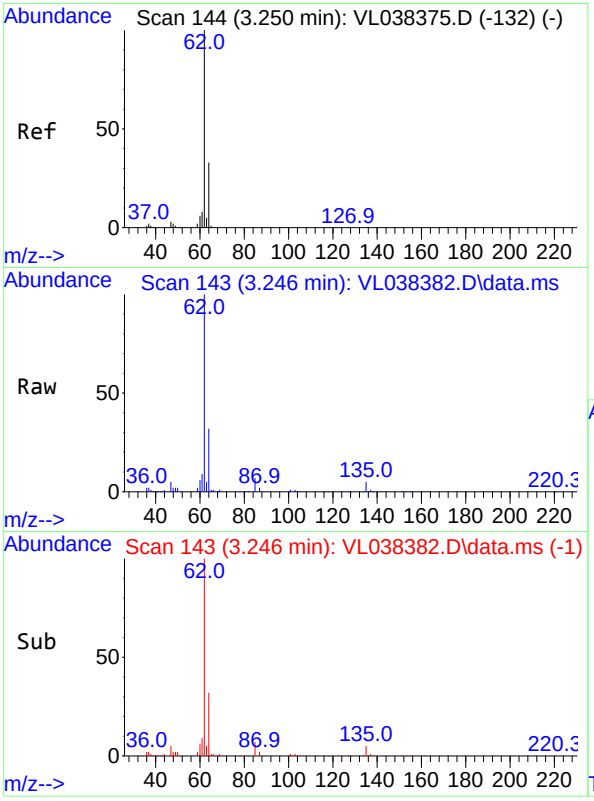


#4
Chloromethane
Concen: 9.440 ppbv
RT: 3.131 min Scan# 107
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 50 Resp: 561334

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.5	39.7





#5
Vinyl Chloride
Concen: 9.061 ppbv
RT: 3.246 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 62 Resp: 56326

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.2	39.2

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

Manual Integrations
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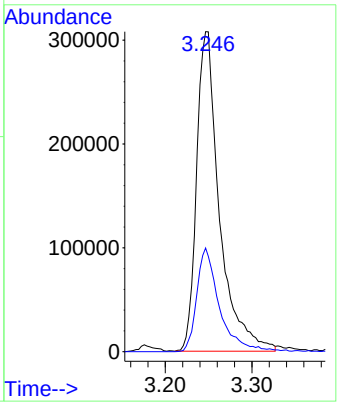
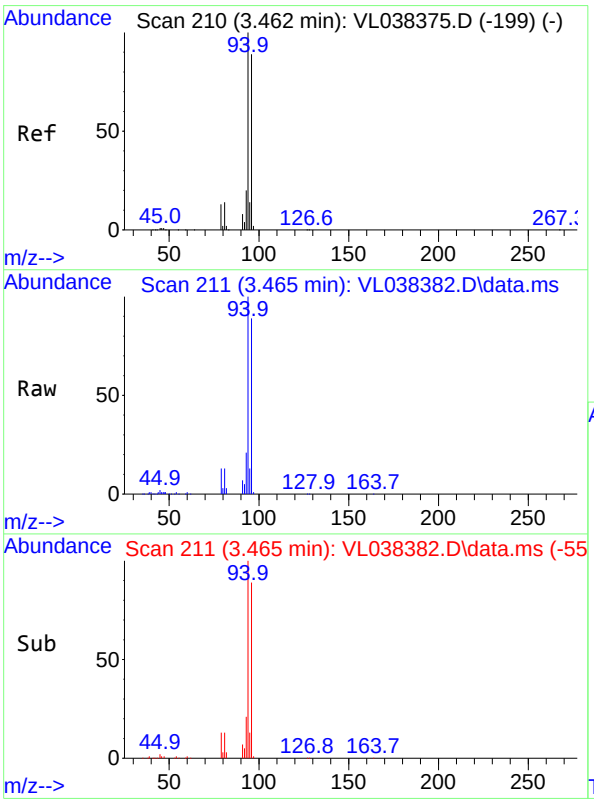
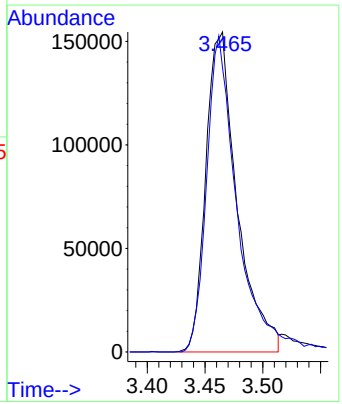


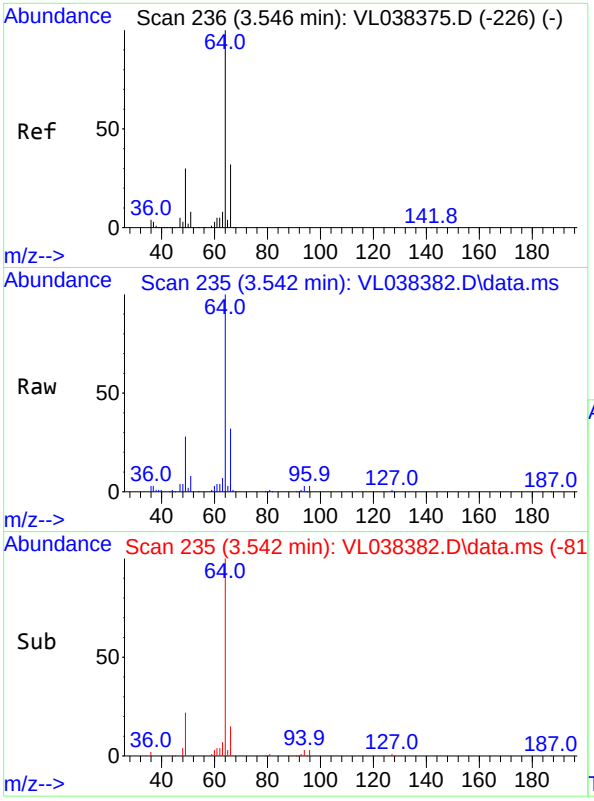


#6
Bromomethane
Concen: 8.885 ppbv
RT: 3.465 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 94 Resp: 291333

Ion	Ratio	Lower	Upper
94	100		
96	88.7	71.0	106.6





#7
Chloroethane
Concen: 9.815 ppbv
RT: 3.542 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 64 Resp: 19596

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9

Instrument :
MSVOA_L
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Manual Integrations
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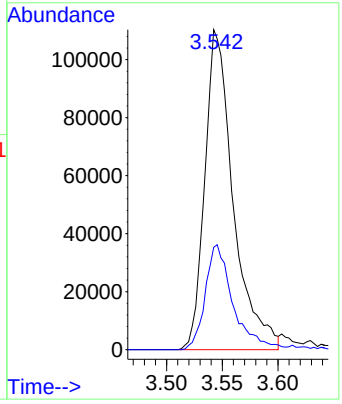
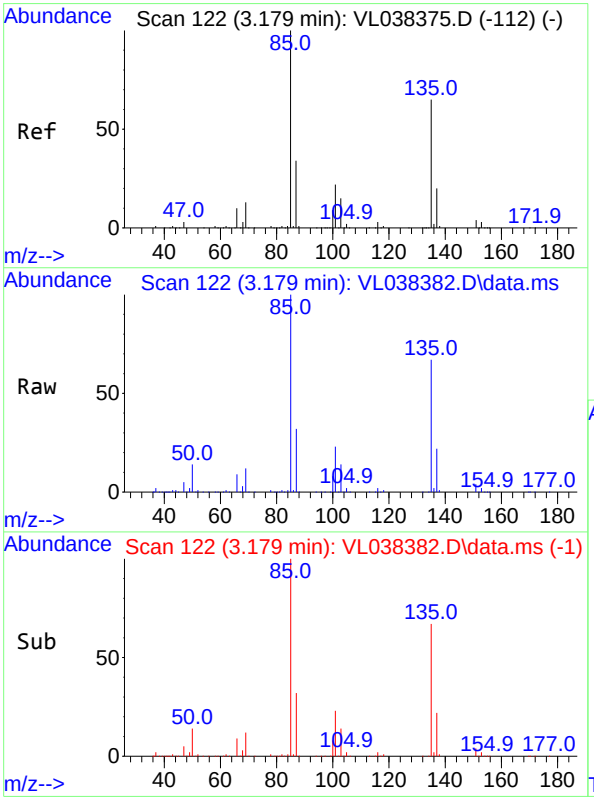
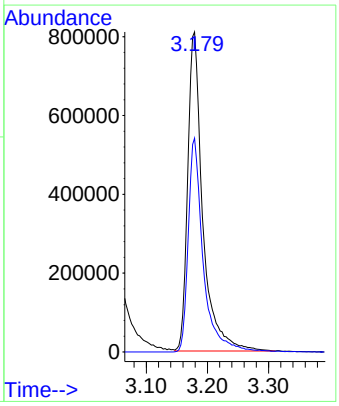


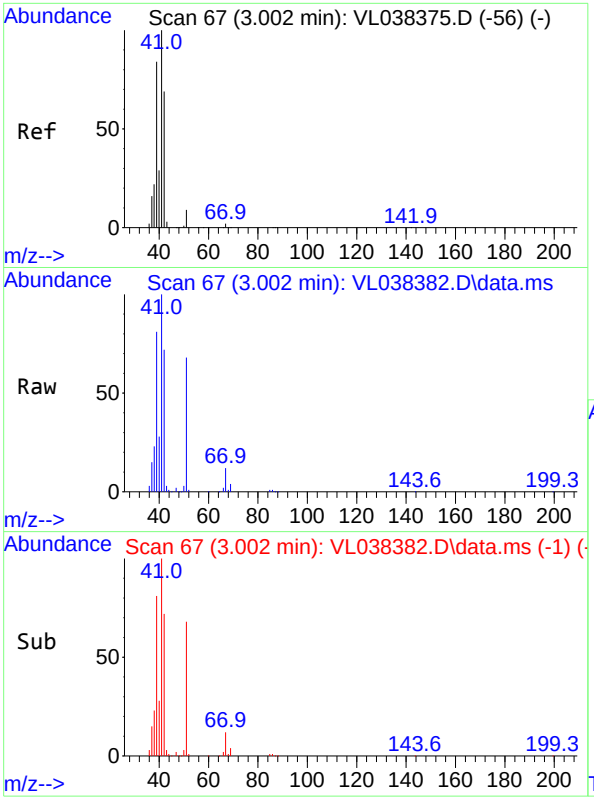


#8
Dichlorotetrafluoroethane
Concen: 9.665 ppbv
RT: 3.179 min Scan# 122
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 85 Resp: 1379946

Ion	Ratio	Lower	Upper
85	100		
135	67.1	54.1	81.1





#9
Propene
Concen: 9.591 ppbv
RT: 3.002 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 41 Resp: 54190

Ion	Ratio	Lower	Upper
41	100		
42	70.0	54.6	82.0

Instrument :
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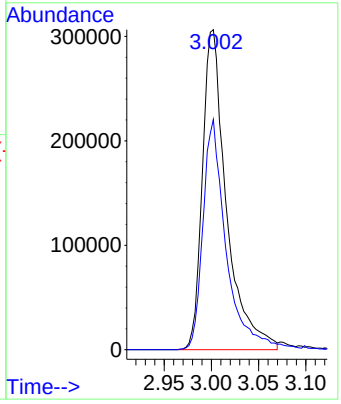
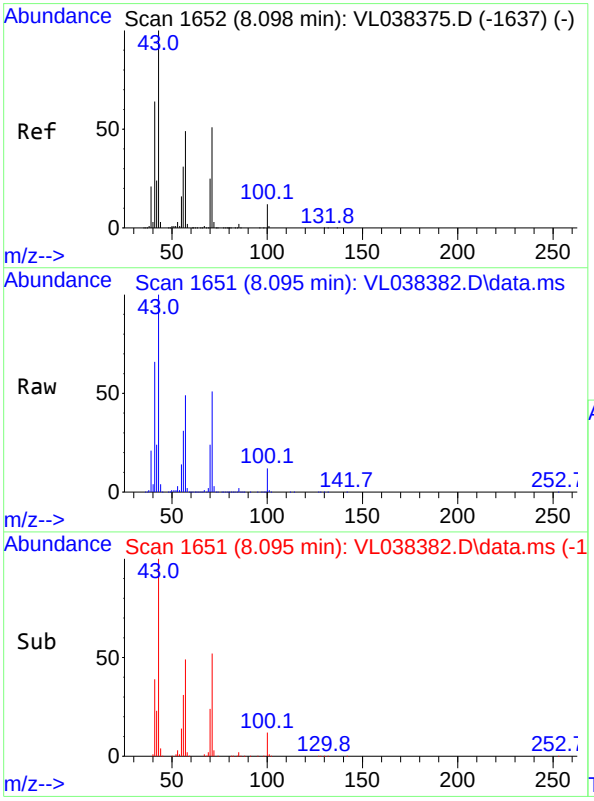
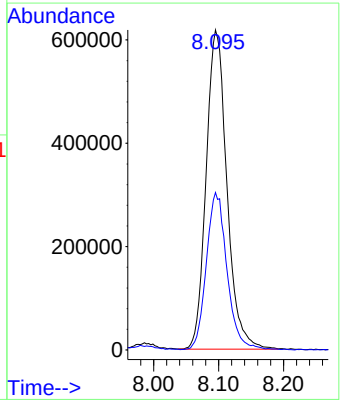


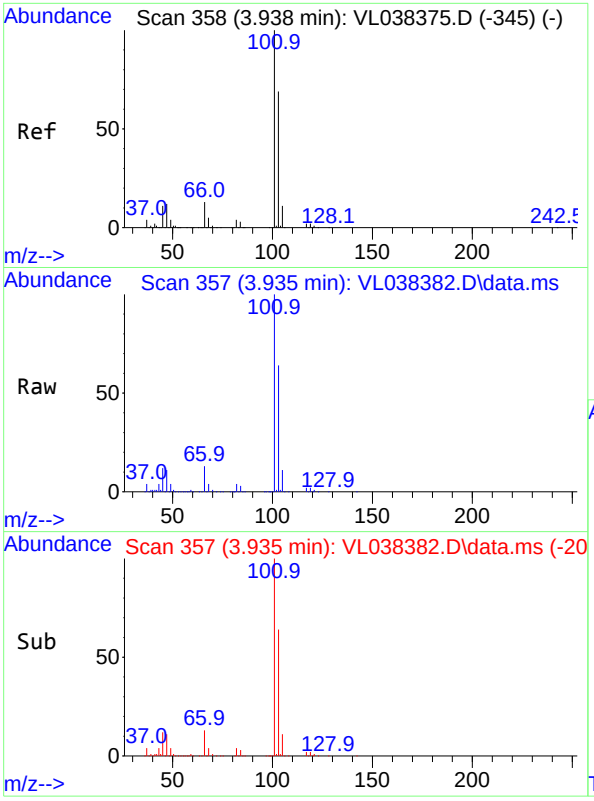


#10
Heptane
Concen: 9.975 ppbv
RT: 8.095 min Scan# 1651
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 1371957

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.8	59.8





#11
Trichlorofluoromethane
Concen: 9.025 ppbv
RT: 3.935 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:101 Resp: 132626

Ion	Ratio	Lower	Upper
101	100		
103	64.5	55.0	82.4

Instrument :
MSVOA_L
ClientSampleId :
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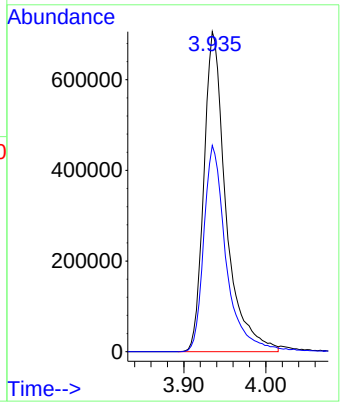
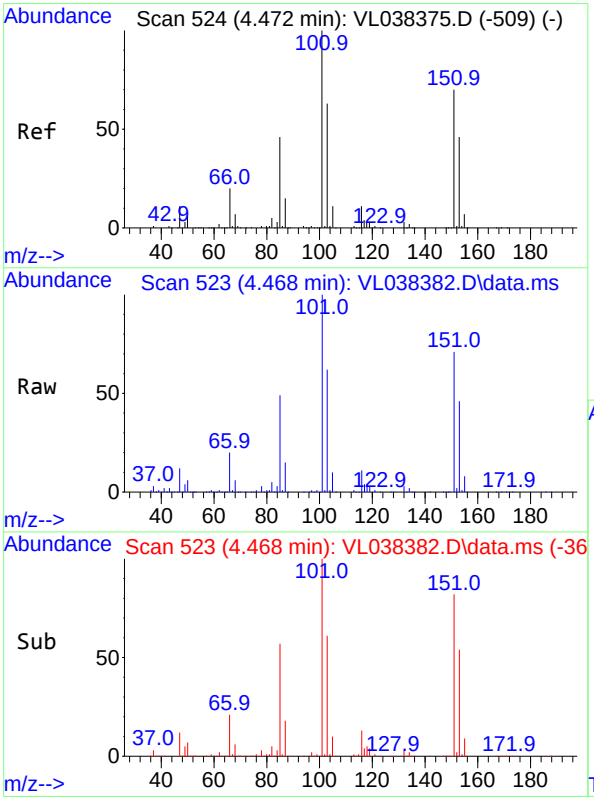
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Amit Patel 02/23/2022

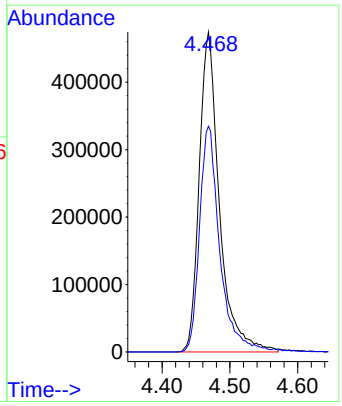


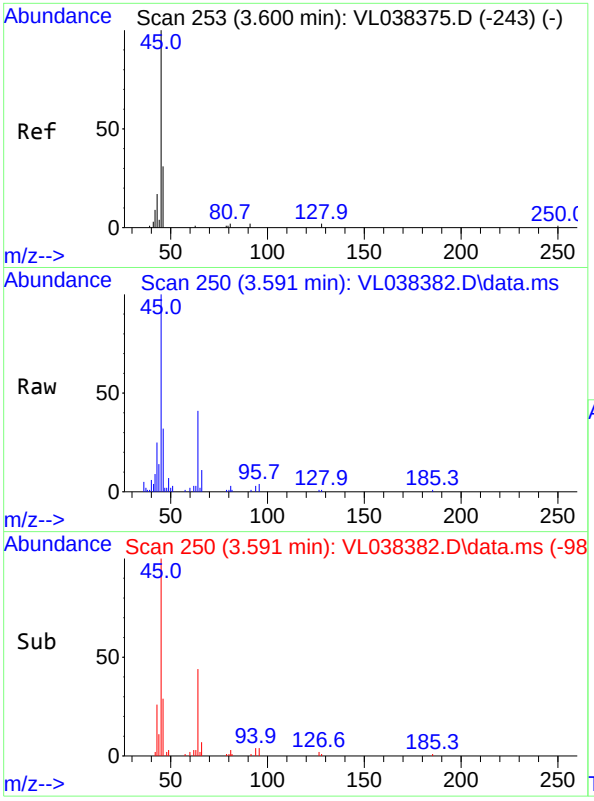


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.079 ppbv
RT: 4.468 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:101 Resp: 978207

Ion	Ratio	Lower	Upper
101	100		
151	71.4	55.9	83.9

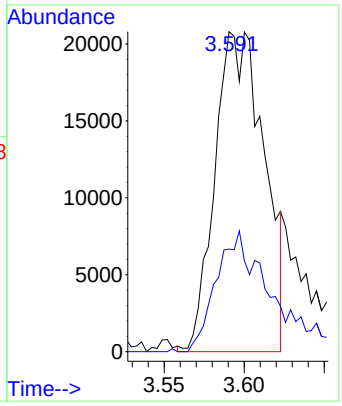




#13
Ethanol
Concen: 7.923 ppbv m
RT: 3.591 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 45 Resp: 4467

Ion	Ratio	Lower	Upper
45	100		
46	46.3	18.2	72.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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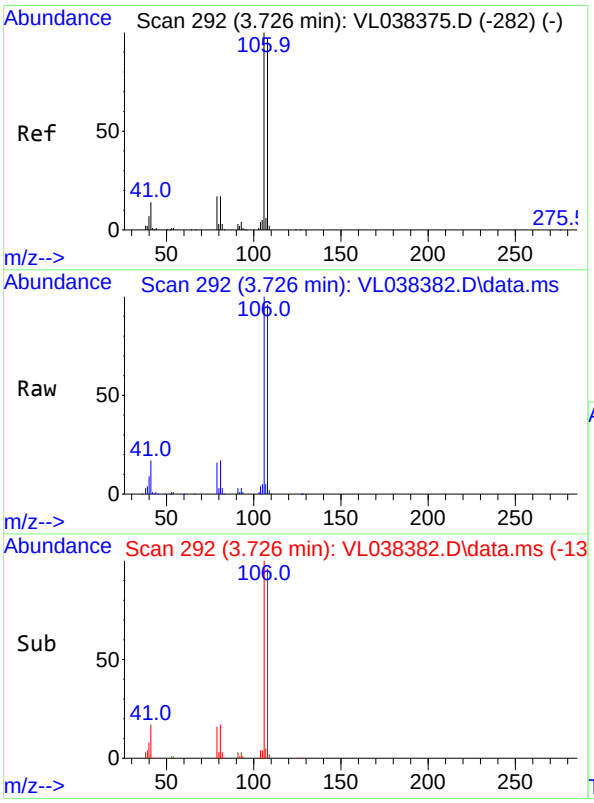
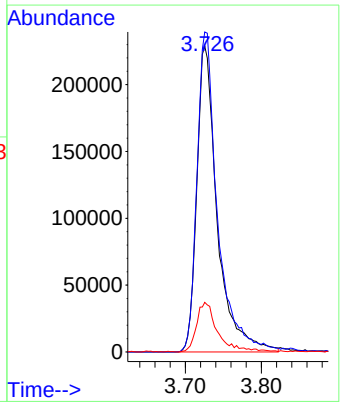
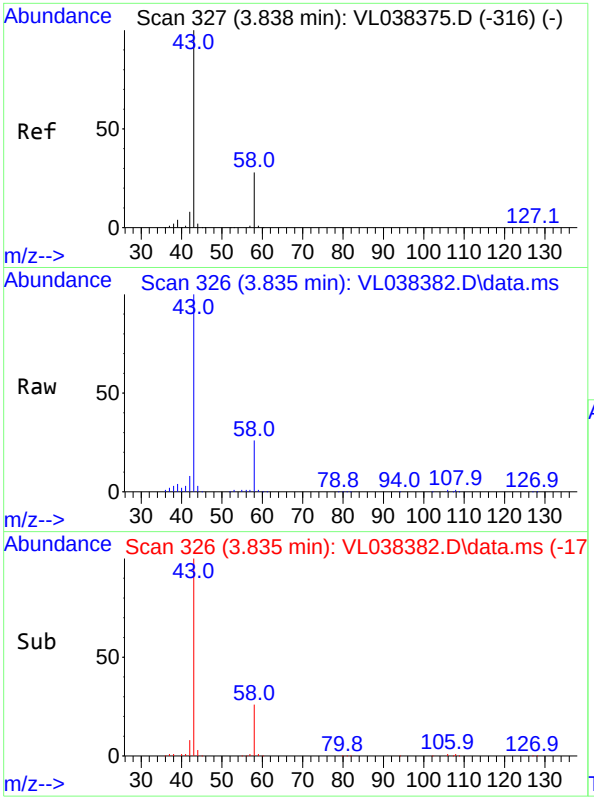


#14
Bromoethene
Concen: 9.973 ppbv
RT: 3.726 min Scan# 292
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:108 Resp: 428088

Ion	Ratio	Lower	Upper
108	100		
106	106.2	88.4	132.6
79	16.3	15.0	22.6





#15
Acetone
Concen: 8.053 ppbv
RT: 3.835 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 66367

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.7	32.5

Instrument :
MSVOA_L
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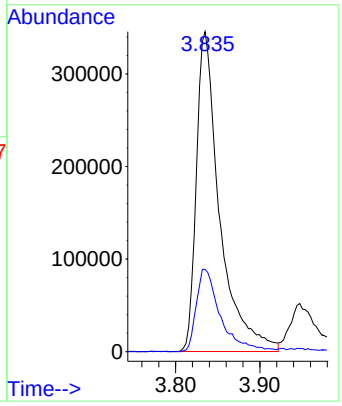
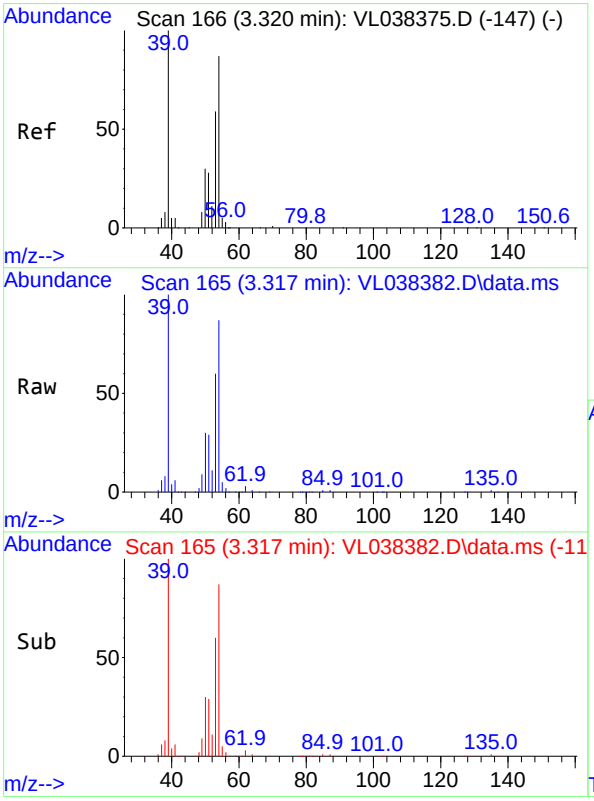
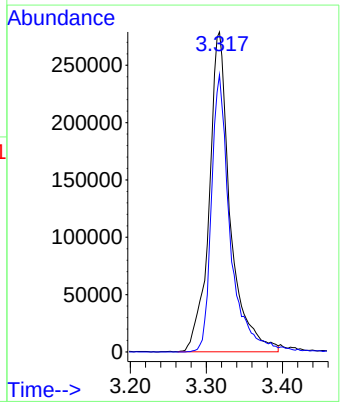


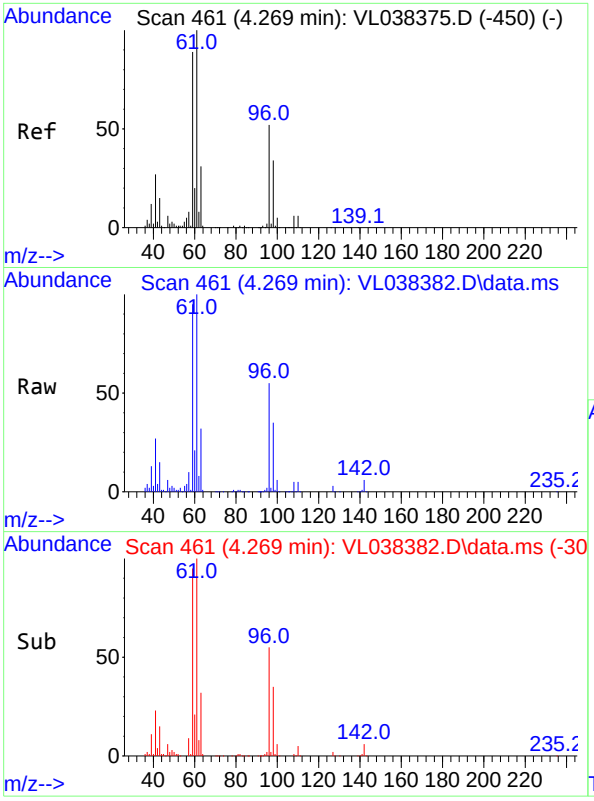


#16
1,3-Butadiene
Concen: 9.766 ppbv
RT: 3.317 min Scan# 165
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 39 Resp: 537626

Ion	Ratio	Lower	Upper
39	100		
54	78.1	60.3	90.5





#17
tert-Butyl alcohol
Concen: 10.461 ppbv
RT: 4.269 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 59 Resp: 86010

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

Instrument :
MSVOA_L
ClientSampleId :
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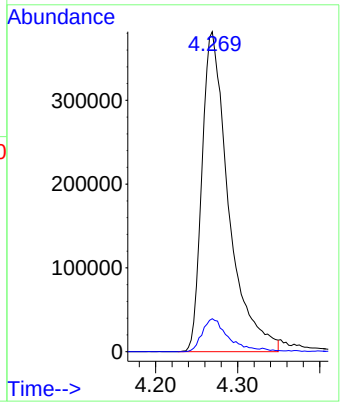
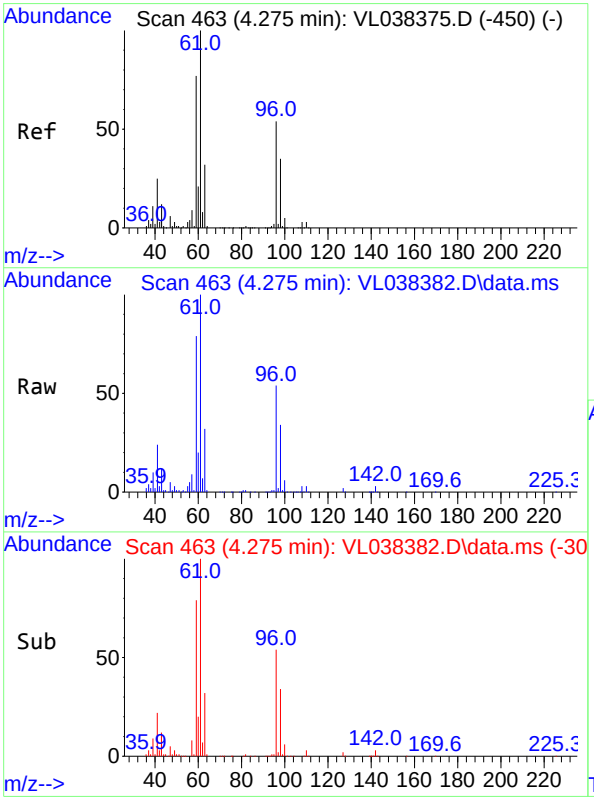
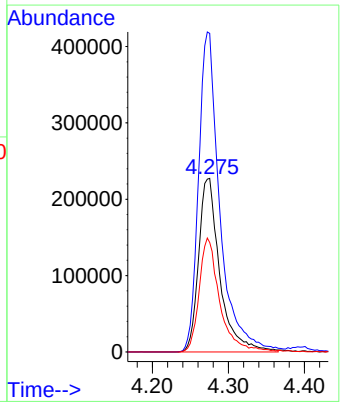


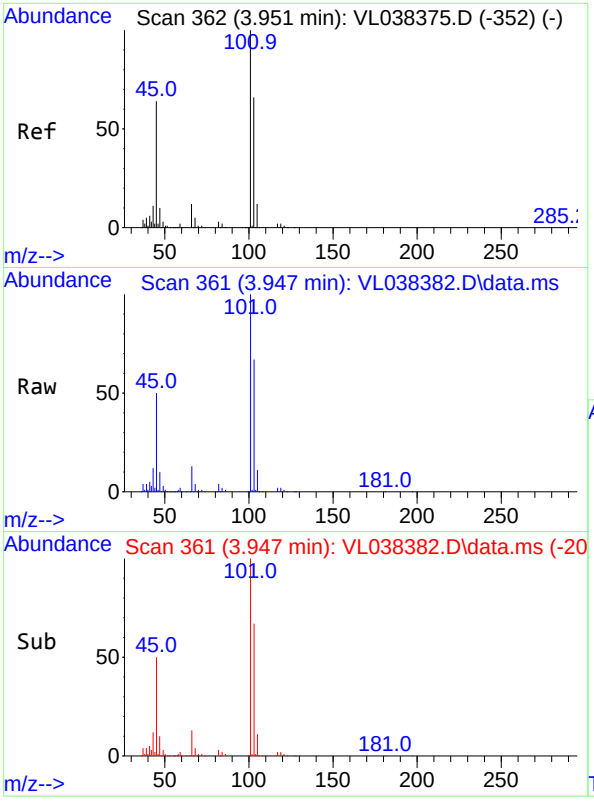


#18
1,1-Dichloroethene
Concen: 9.337 ppbv
RT: 4.275 min Scan# 463
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 96 Resp: 441693

Ion	Ratio	Lower	Upper
96	100		
61	183.4	146.8	220.2
98	63.1	51.5	77.3

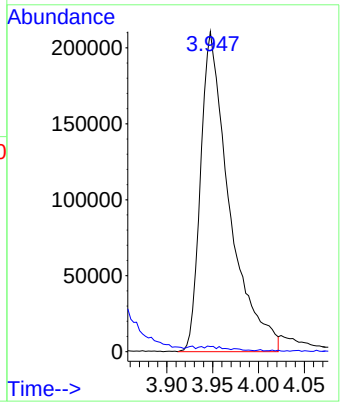




#19
Isopropyl Alcohol
Concen: 9.648 ppbv
RT: 3.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 45 Resp: 46045

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.8	2.8



Instrument :
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ClientSampleId :
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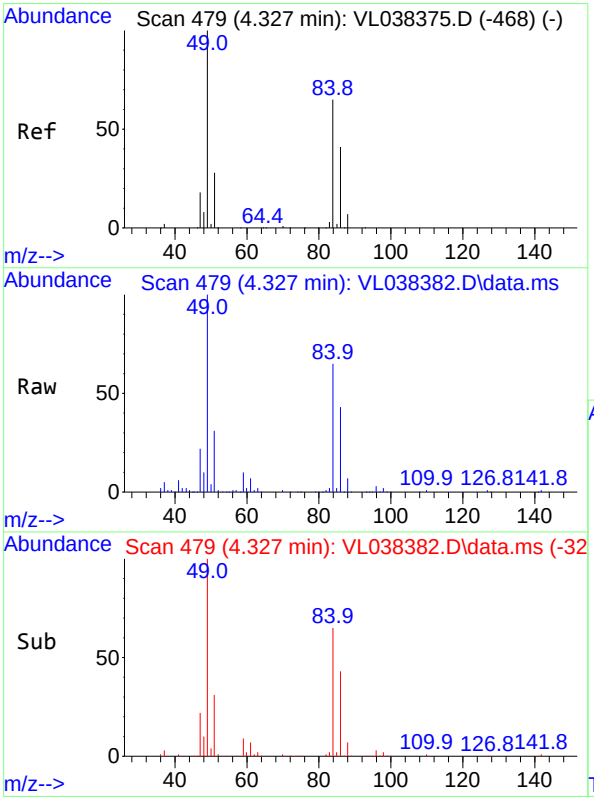
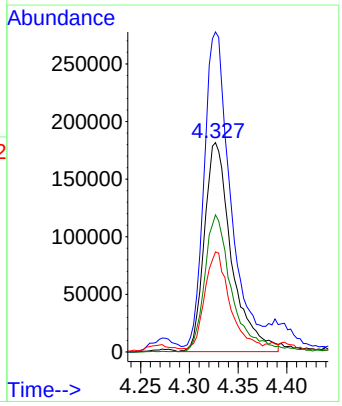
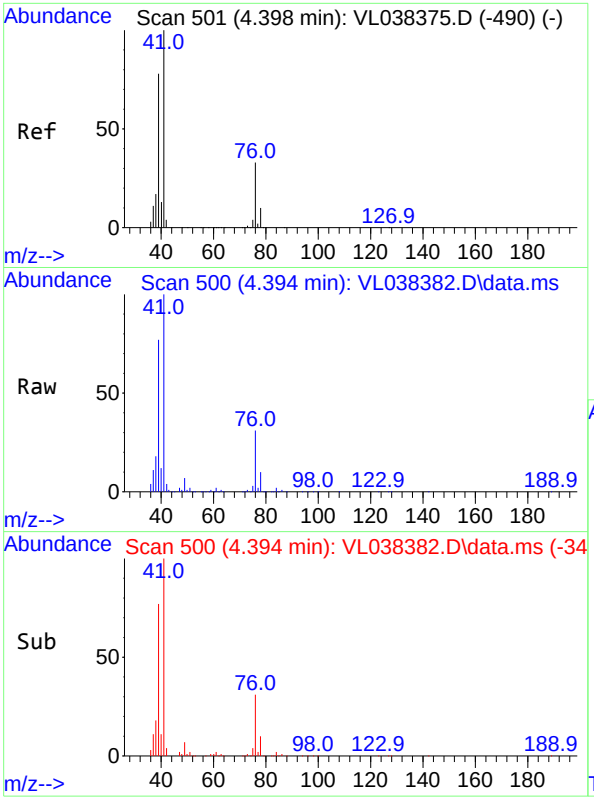


#20
Methylene Chloride
Concen: 8.621 ppbv
RT: 4.327 min Scan# 479
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 84 Resp: 352027

Ion	Ratio	Lower	Upper
84	100		
49	149.6	122.4	183.6
51	46.1	33.3	49.9
86	65.5	50.7	76.1





#21
Allyl Chloride
Concen: 9.360 ppbv
RT: 4.394 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 41 Resp: 65154

Ion	Ratio	Lower	Upper
41	100		
76	30.6	25.4	38.0
39	78.5	63.0	94.6

Instrument :
MSVOA_L
ClientSampleId :
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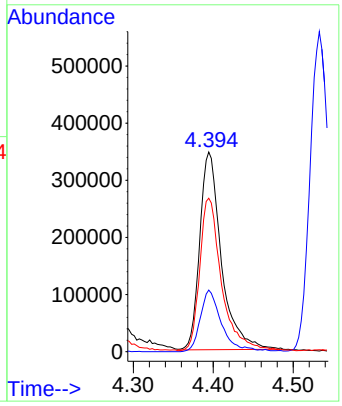
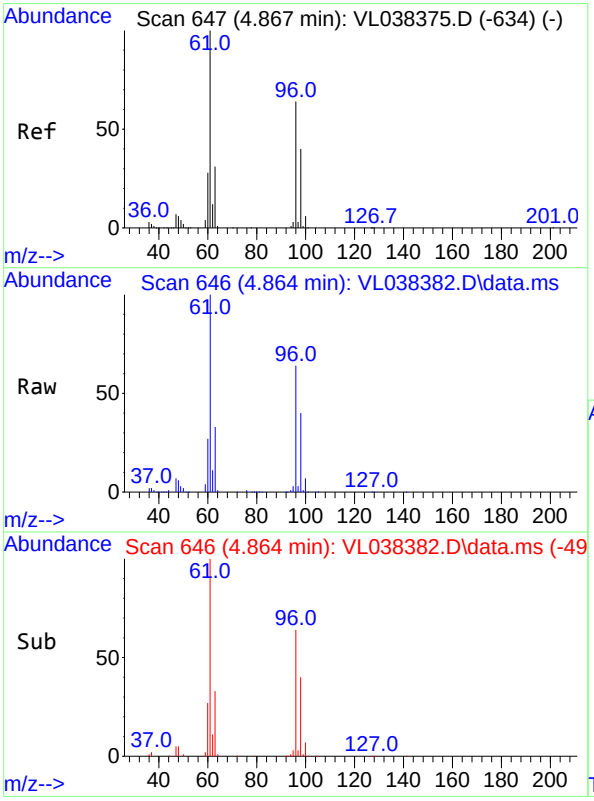
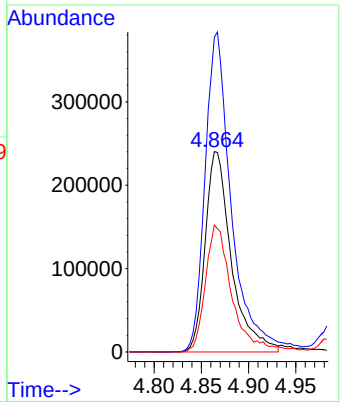


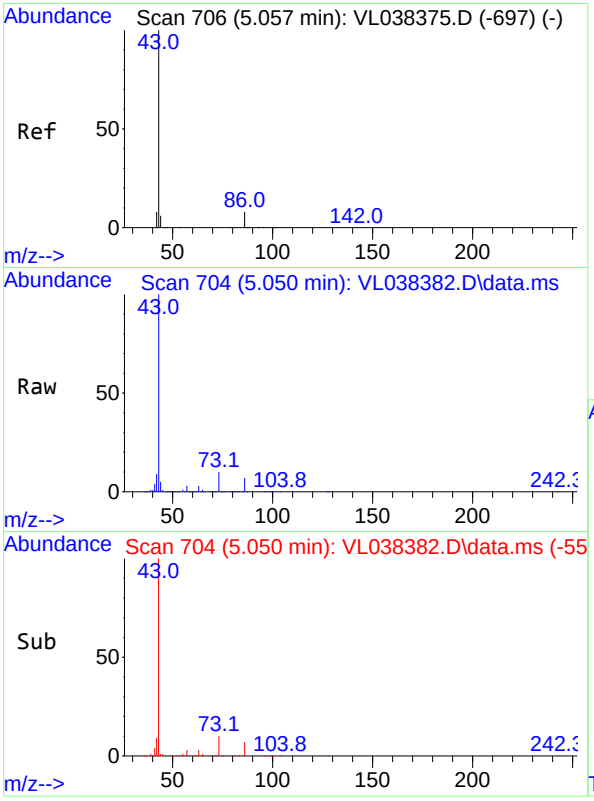


#22
trans-1,2-Dichloroethene
Concen: 9.717 ppbv
RT: 4.864 min Scan# 646
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 96 Resp: 463747

Ion	Ratio	Lower	Upper
96	100		
61	156.9	124.2	186.4
98	63.4	49.1	73.7

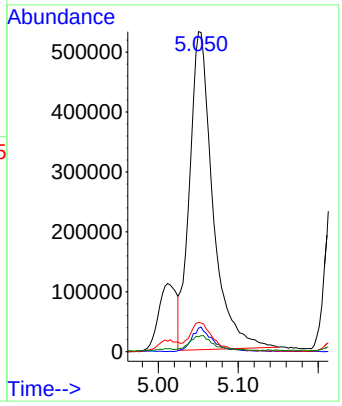




#23
Vinyl Acetate
Concen: 9.814 ppbv
RT: 5.050 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 107187

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.6
42	9.2	7.4	11.0
44	4.2	4.2	6.2



Instrument :
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ClientSampleId :
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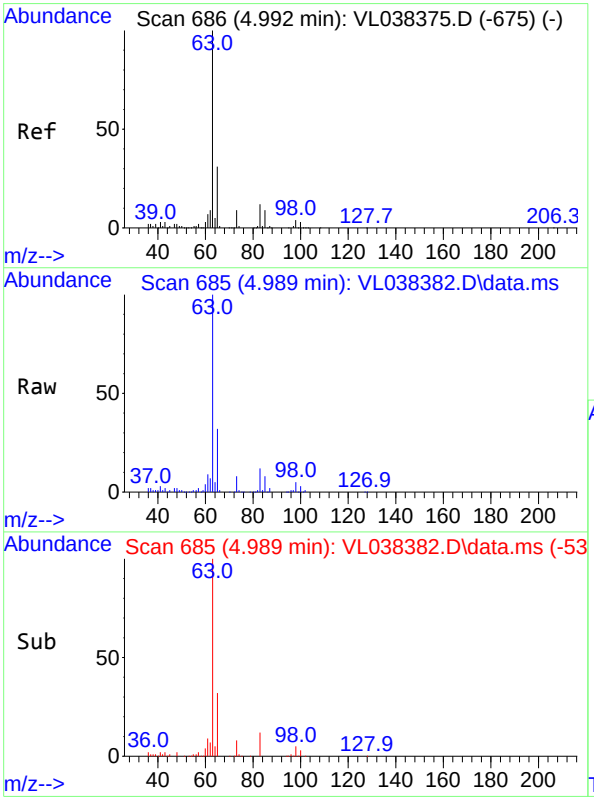
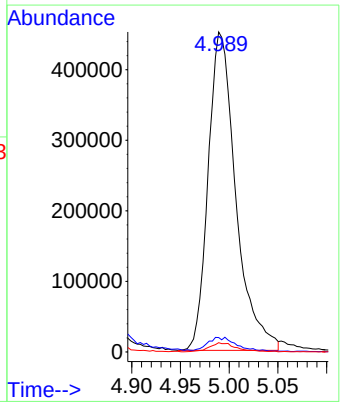
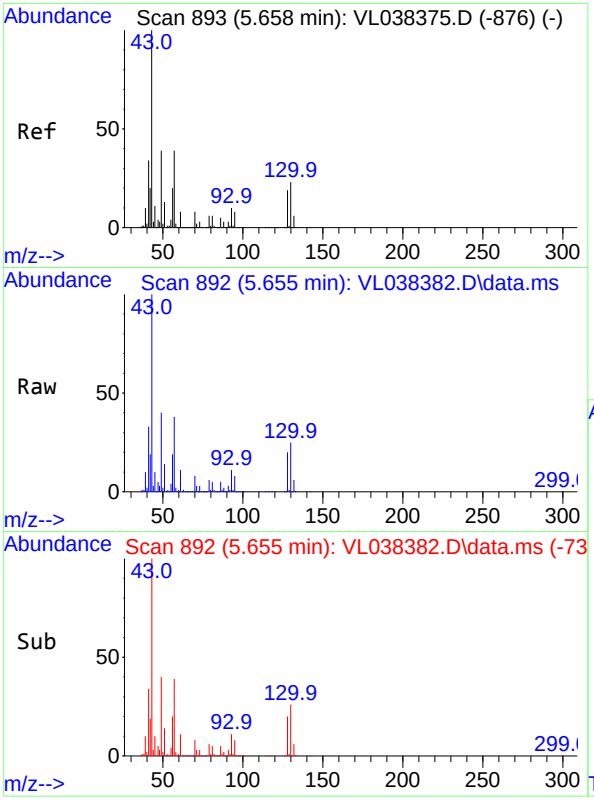


#24
1,1-Dichloroethane
Concen: 9.069 ppbv
RT: 4.989 min Scan# 685
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 63 Resp: 890496

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.9	1.4	4.2

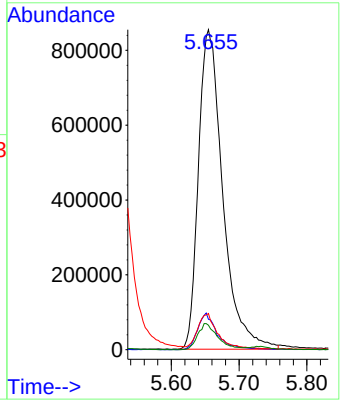




#25
Ethyl Acetate
Concen: 9.614 ppbv
RT: 5.655 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 212870

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.6
61	9.2	7.5	11.3
70	6.8	5.4	8.0



Instrument :
MSVOA_L
ClientSampleId :
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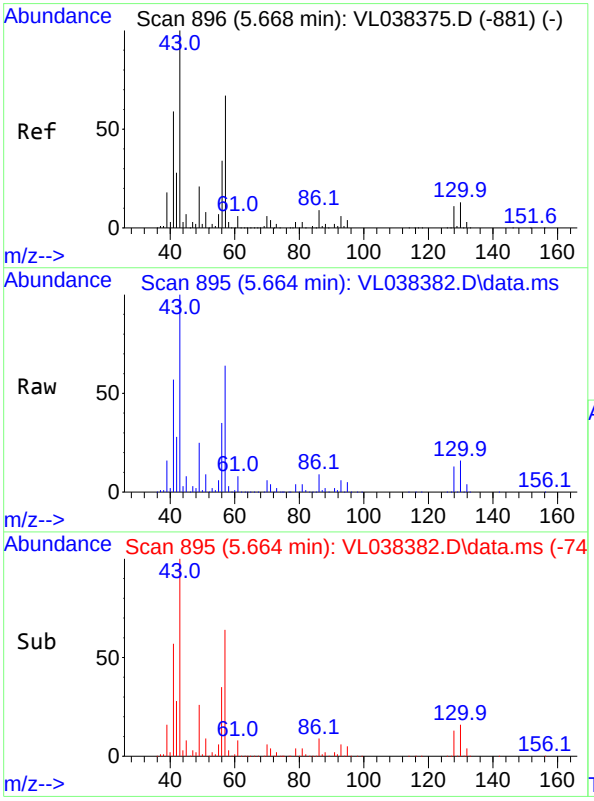
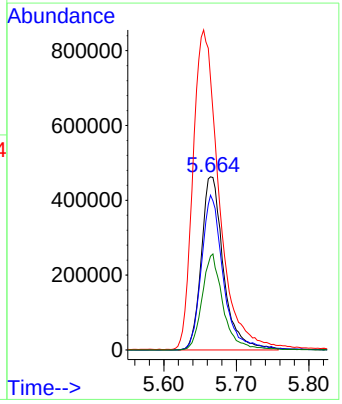
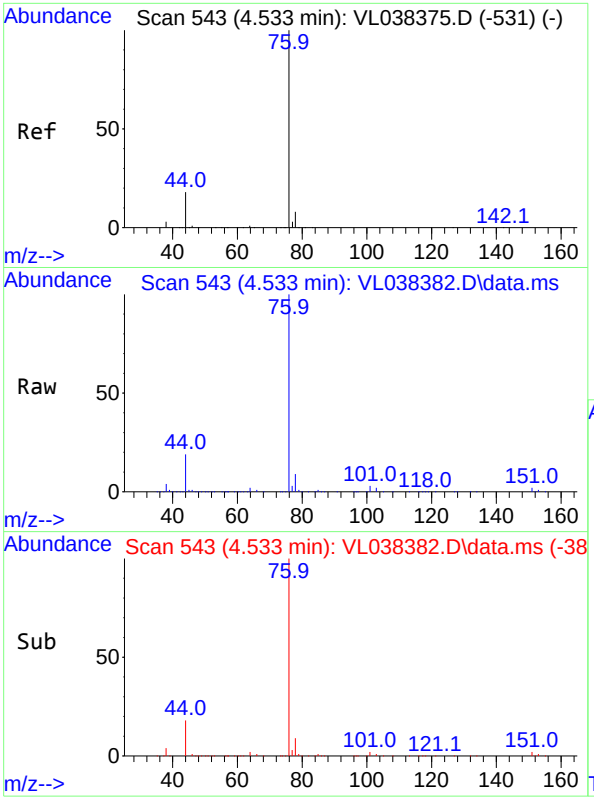


#26
Hexane
Concen: 9.771 ppbv
RT: 5.664 min Scan# 895
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 57 Resp: 979745

Ion	Ratio	Lower	Upper
57	100		
41	89.0	73.1	109.7
43	220.2	181.0	271.4
56	53.1	43.4	65.0





#27
Carbon Disulfide
Concen: 9.962 ppbv
RT: 4.533 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 76 Resp: 111104

Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.2	21.2
78	9.4	7.8	11.6

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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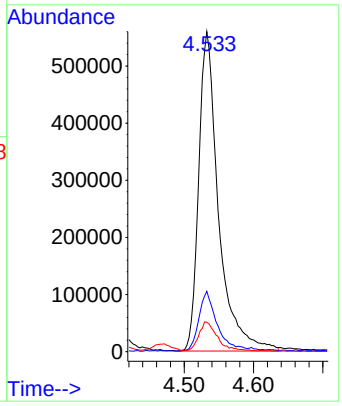
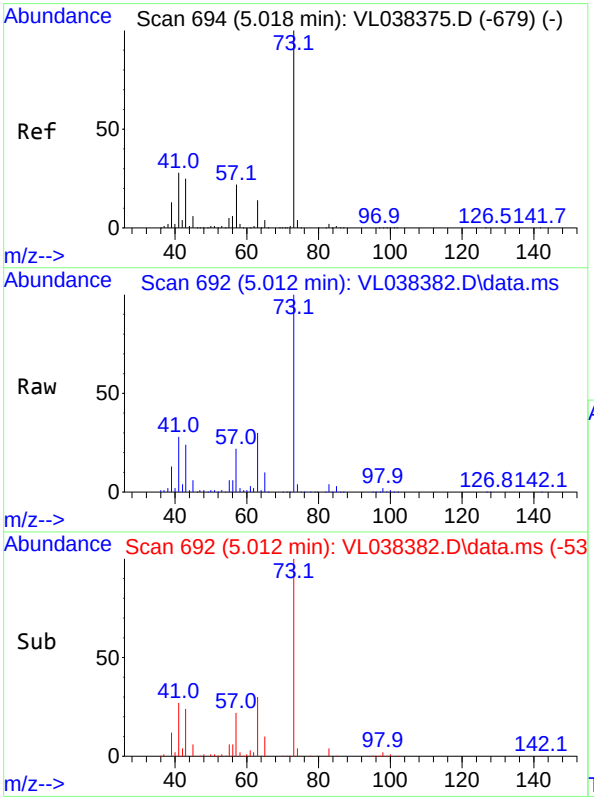
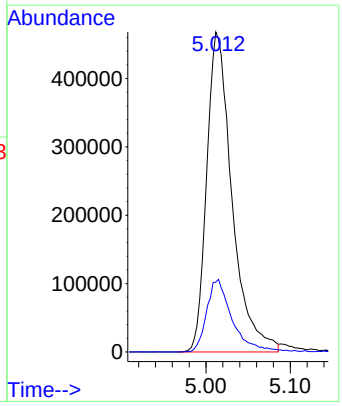


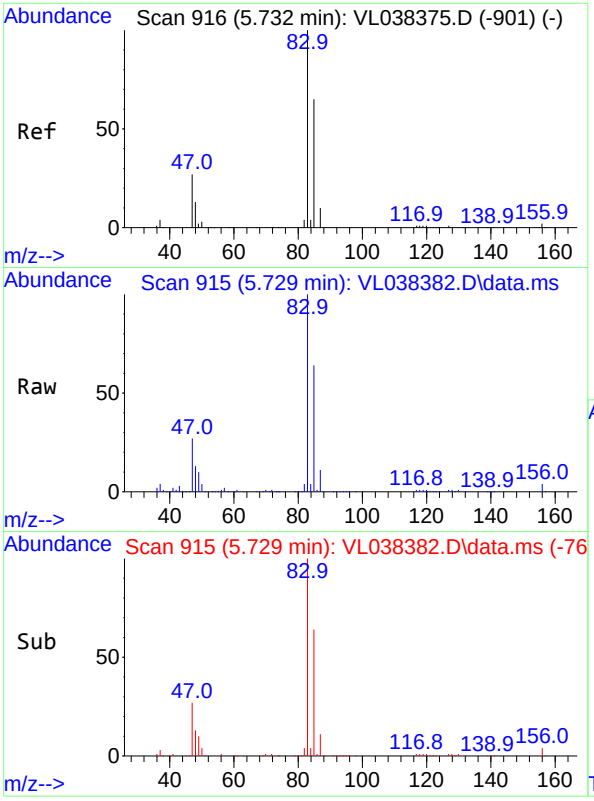


#28
Methyl tert-Butyl Ether
Concen: 9.566 ppbv
RT: 5.012 min Scan# 692
Delta R.T. -0.006 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 73 Resp: 976965

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.2	27.4





#29
Chloroform
Concen: 9.713 ppbv
RT: 5.729 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 83 Resp: 158948

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4

Instrument :
MSVOA_L
ClientSampleId :
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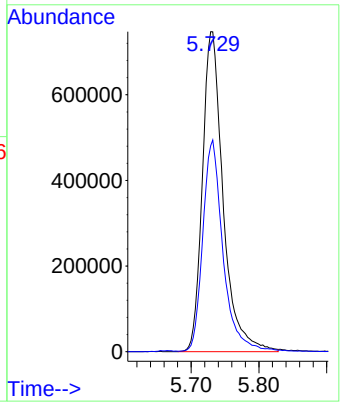
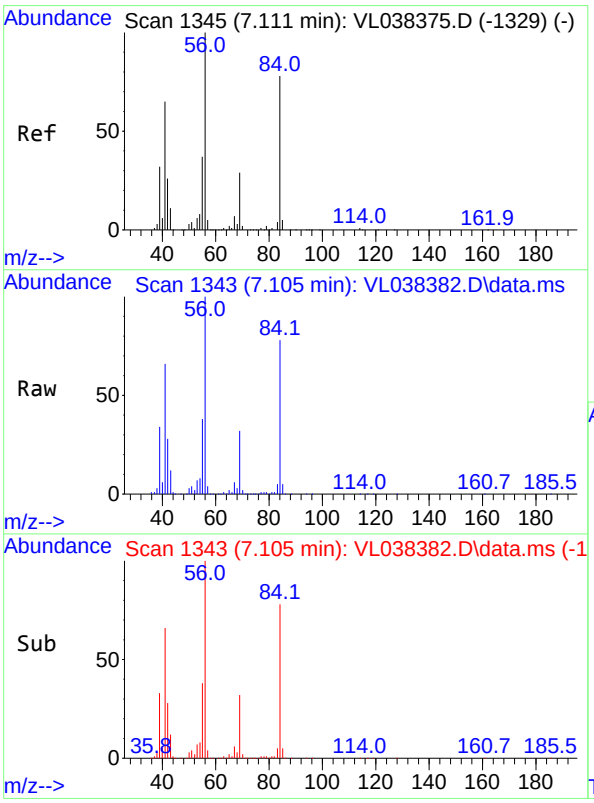
Supervised By :Amit Patel 02/23/2022

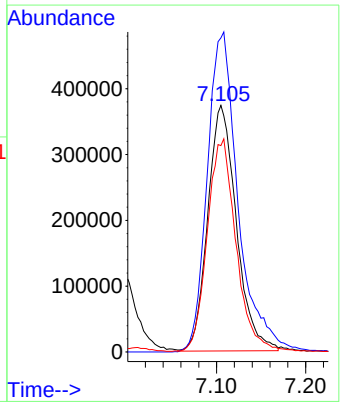


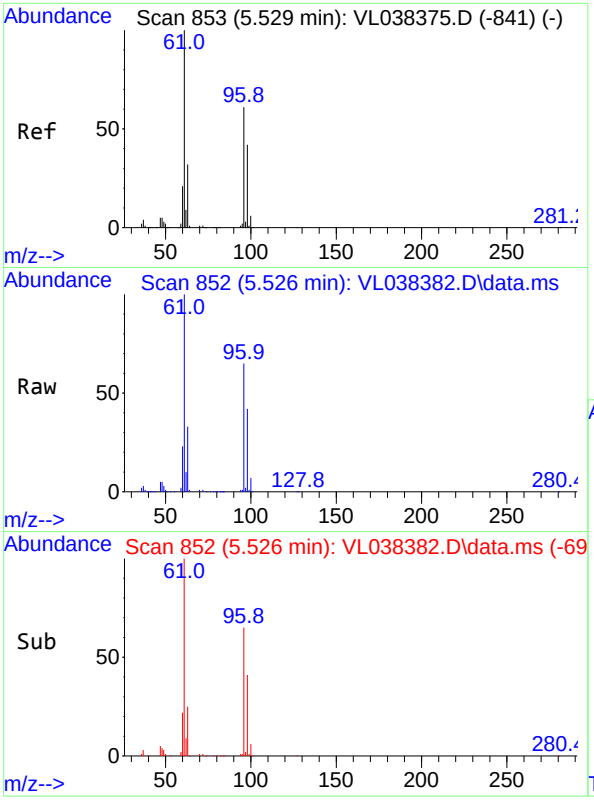


#30
Cyclohexane
Concen: 10.166 ppbv
RT: 7.105 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 84 Resp: 833687

Ion	Ratio	Lower	Upper
84	100		
56	141.5	116.2	174.4
41	88.0	74.3	111.5





#31
cis-1,2-Dichloroethene
Concen: 10.238 ppbv
RT: 5.526 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 61 Resp: 99456

Ion	Ratio	Lower	Upper
61	100		
96	65.1	48.6	73.0
98	41.5	33.2	49.8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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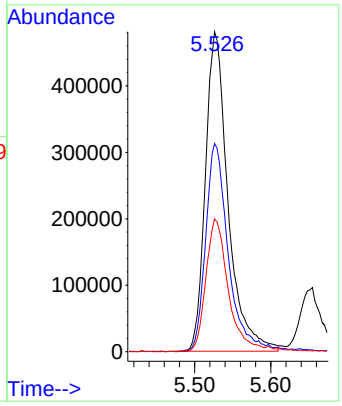
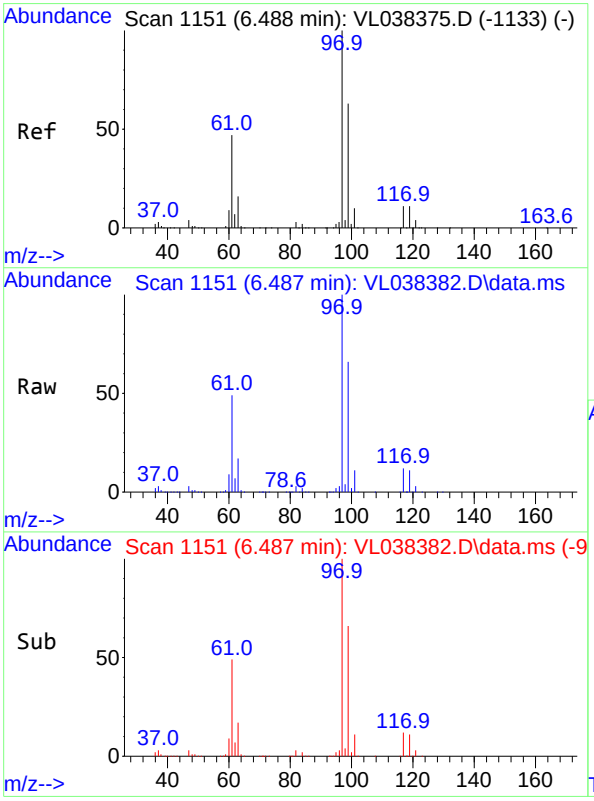
Supervised By :Amit Patel 02/23/2022

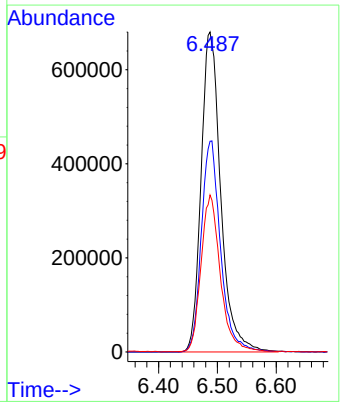


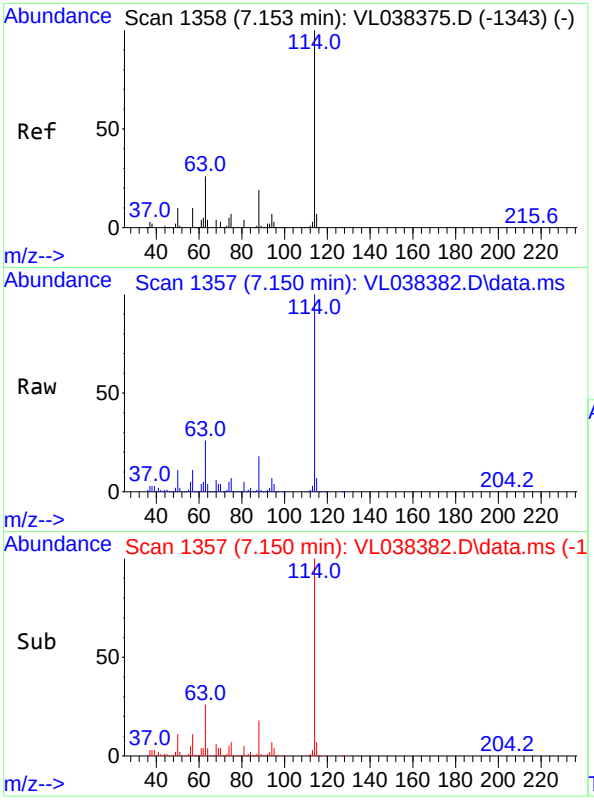


#32
1,1,1-Trichloroethane
Concen: 9.589 ppbv
RT: 6.487 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 97 Resp: 1578186

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.9	77.9
61	48.7	40.5	60.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.150 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:114 Resp: 246128

Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.2	33.2
88	18.6	15.2	22.8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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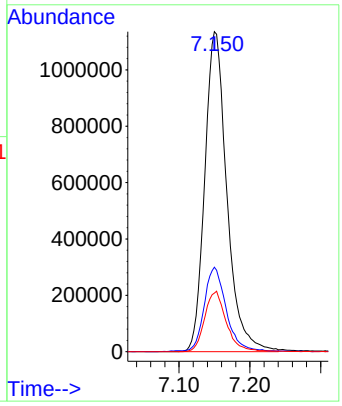
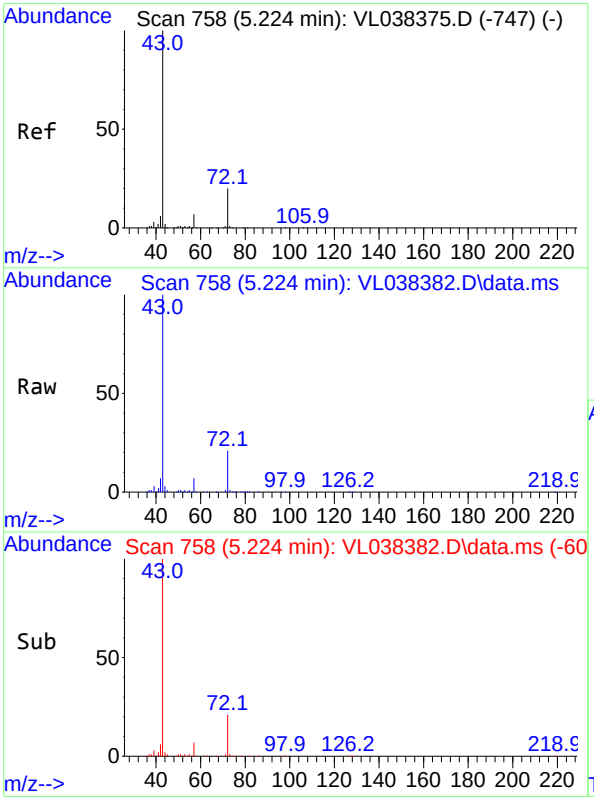
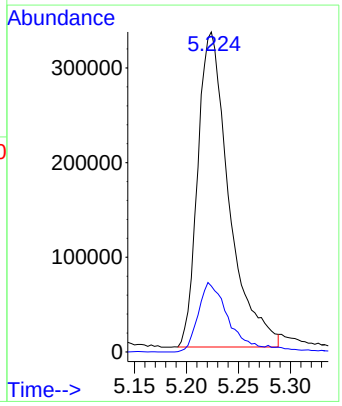


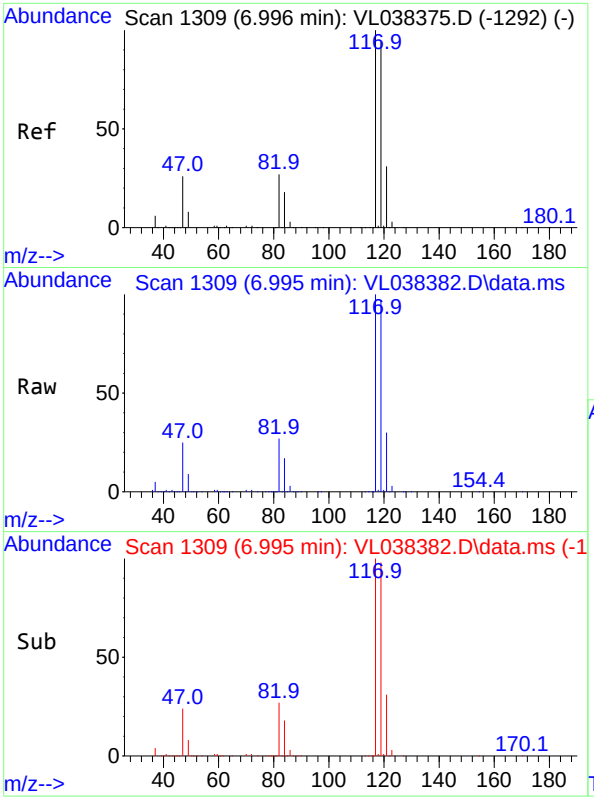


#34
2-Butanone
Concen: 8.999 ppbv
RT: 5.224 min Scan# 758
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 696583

Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.4	26.2

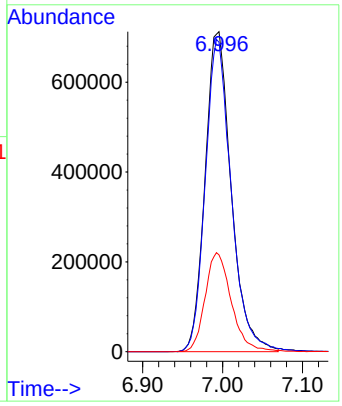




#35
Carbon Tetrachloride
Concen: 9.350 ppbv
RT: 6.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:117 Resp: 161817

Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.9	112.3
121	30.2	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
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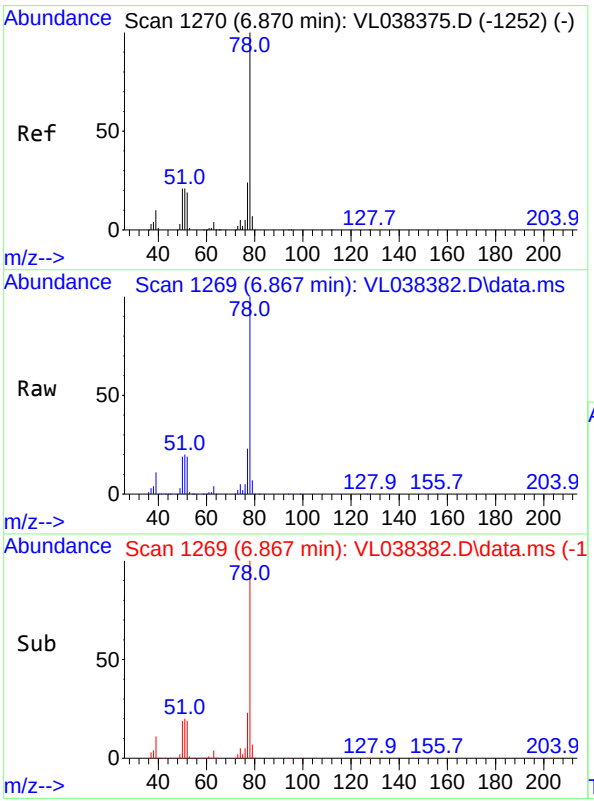
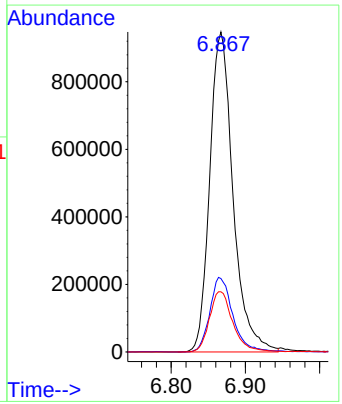
Supervised By :Amit Patel 02/23/2022

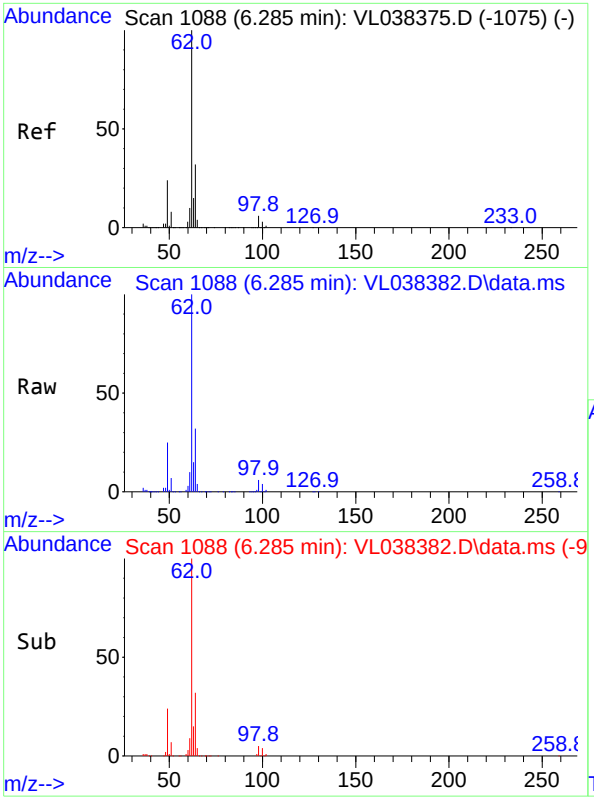


#36
Benzene
Concen: 9.523 ppbv
RT: 6.867 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 78 Resp: 2063358

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6
50	18.8	16.6	24.8





#37
1,2-Dichloroethane
Concen: 9.291 ppbv
RT: 6.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 62 Resp: 116327

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	7.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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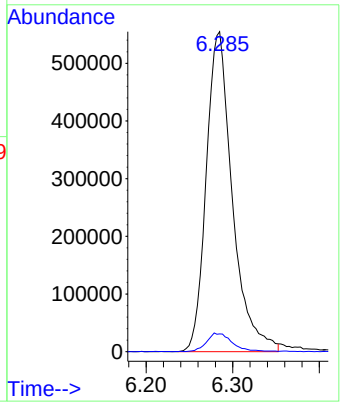
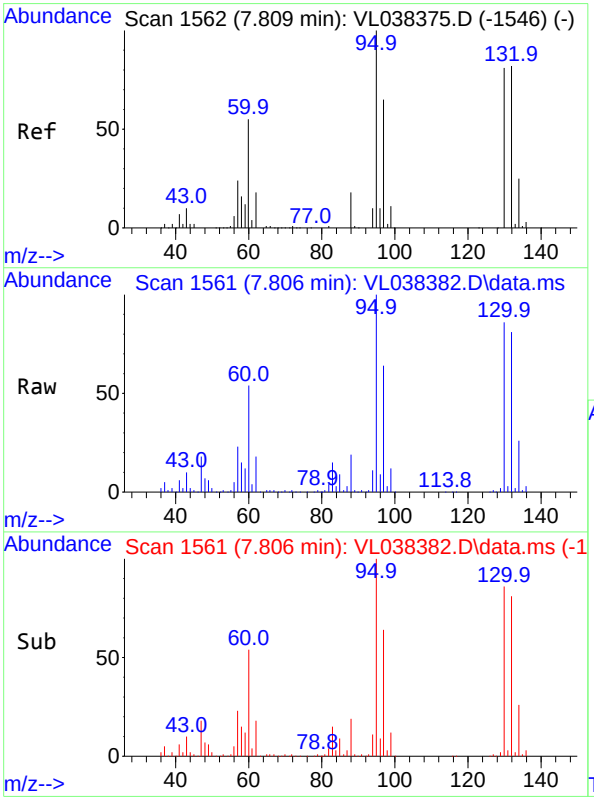
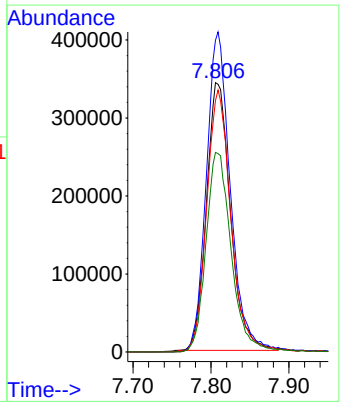


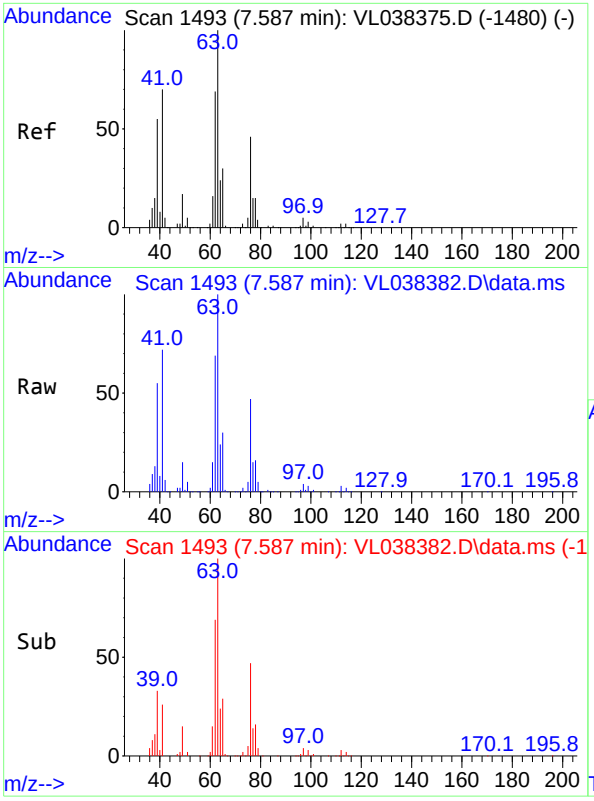


#38
Trichloroethene
Concen: 9.359 ppbv
RT: 7.806 min Scan# 1561
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:130 Resp: 738669

Ion	Ratio	Lower	Upper
130	100		
95	116.3	98.1	147.1
132	93.9	80.3	120.5
97	74.5	63.5	95.3





#39
1,2-Dichloropropane
Concen: 9.480 ppbv
RT: 7.587 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 63 Resp: 81818

Ion	Ratio	Lower	Upper
63	100		
41	71.7	56.1	84.1
62	68.8	55.5	83.3

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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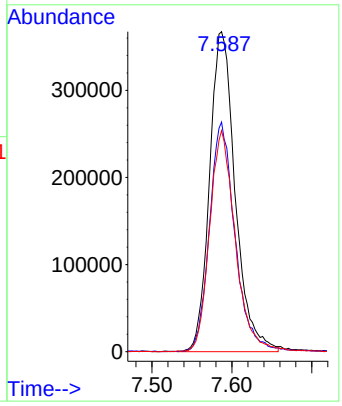
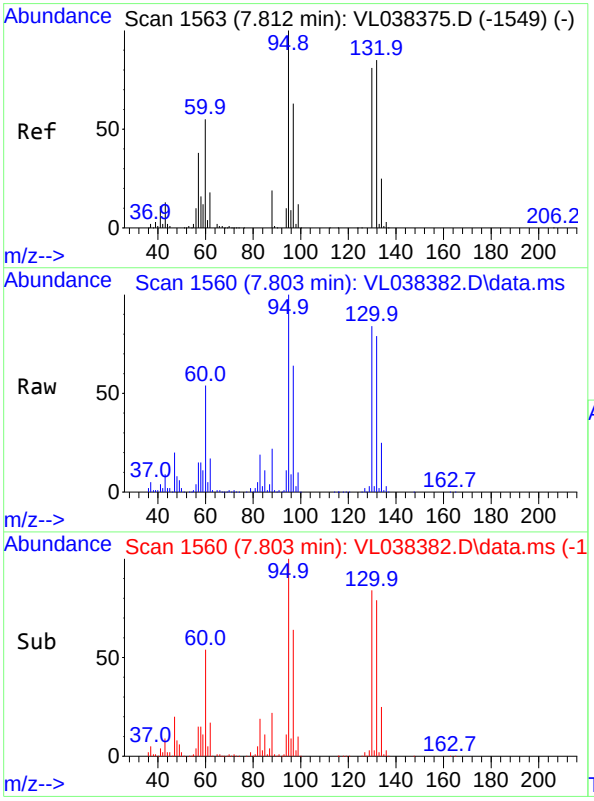
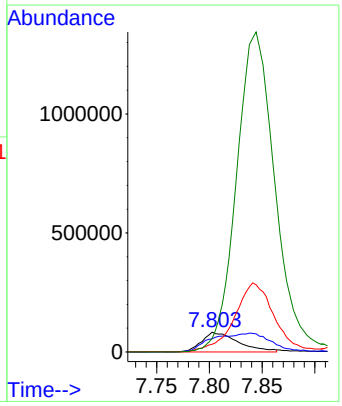


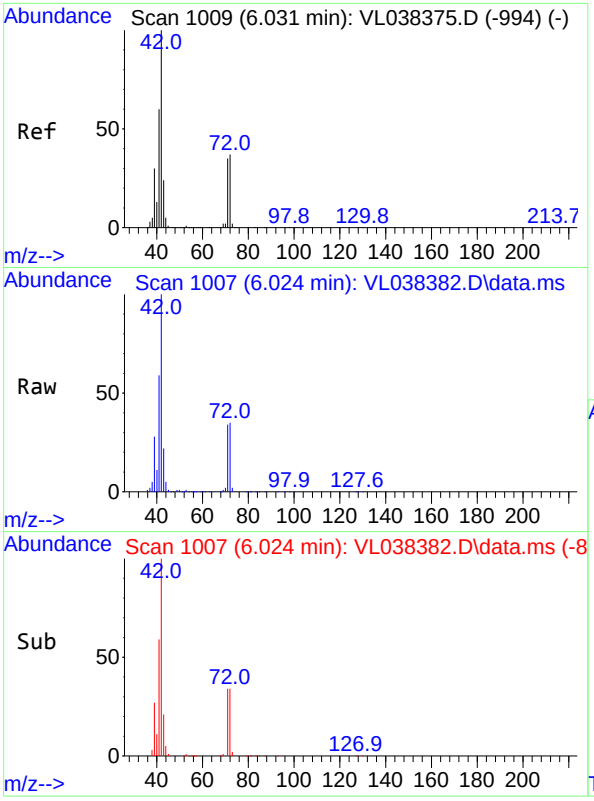


#40
1,4-Dioxane
Concen: 9.721 ppbv m
RT: 7.803 min Scan# 1560
Delta R.T. -0.010 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 88 Resp: 199001

Ion	Ratio	Lower	Upper
88	100		
58	0.0	133.2	199.8#
43	0.0	330.6	496.0#
57	0.0	1462.7	2194.1#

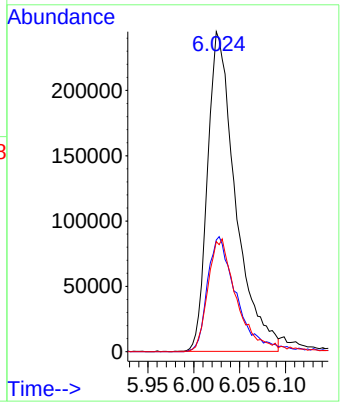




#41
Tetrahydrofuran
Concen: 9.938 ppbv
RT: 6.024 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 42 Resp: 51975

Ion	Ratio	Lower	Upper
42	100		
72	38.6	29.9	44.9
71	37.3	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
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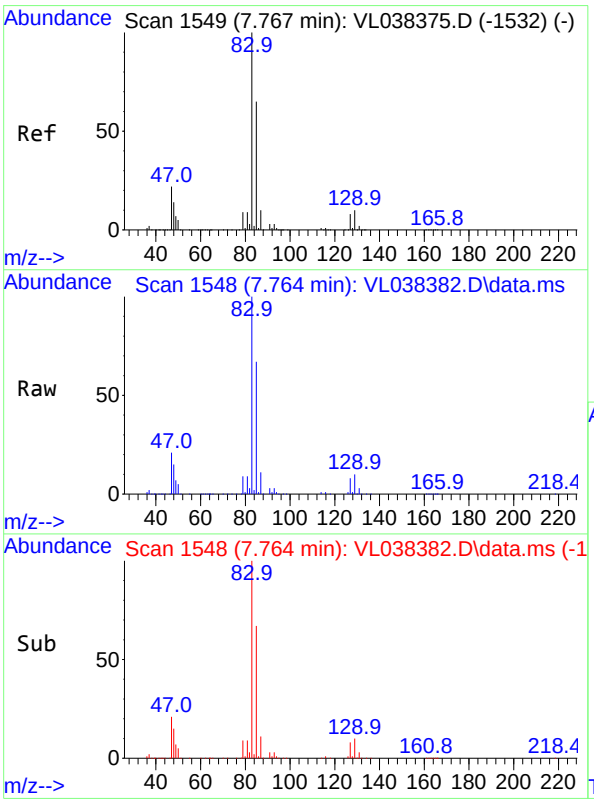
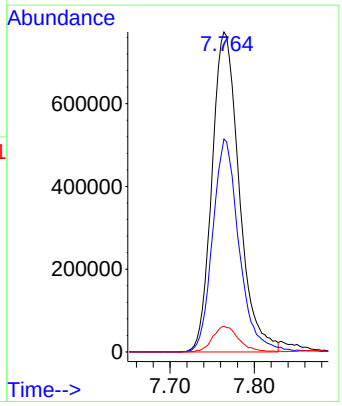
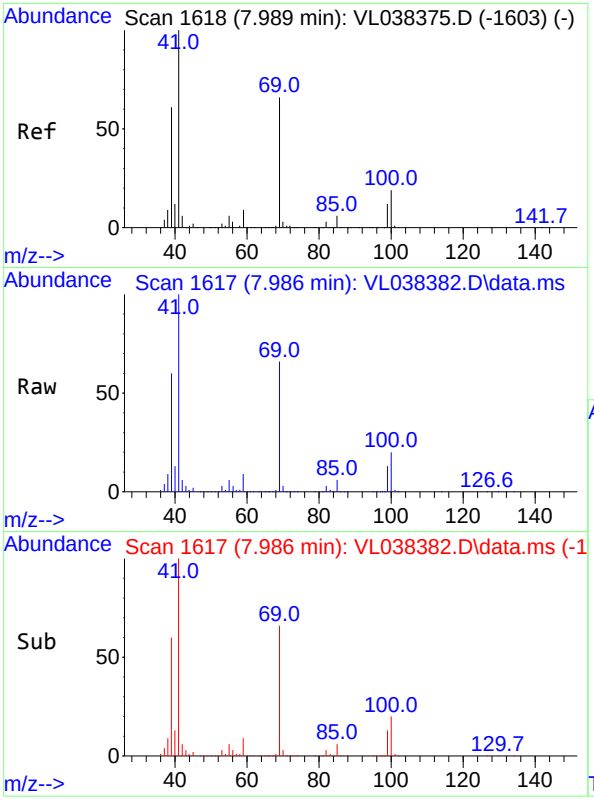


#42
Bromodichloromethane
Concen: 9.584 ppbv
RT: 7.764 min Scan# 1548
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 83 Resp: 1732767

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.2	78.4
127	8.0	6.2	9.4





#43
Methyl Methacrylate
Concen: 10.062 ppbv
RT: 7.986 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 69 Resp: 75793

Ion	Ratio	Lower	Upper
69	100		
41	154.5	122.9	184.3
100	30.7	23.6	35.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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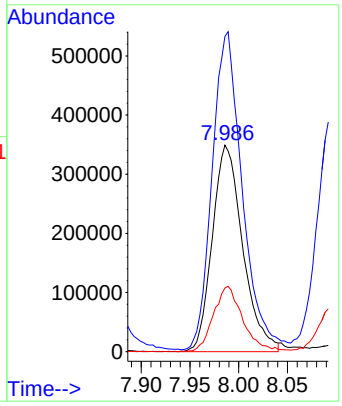
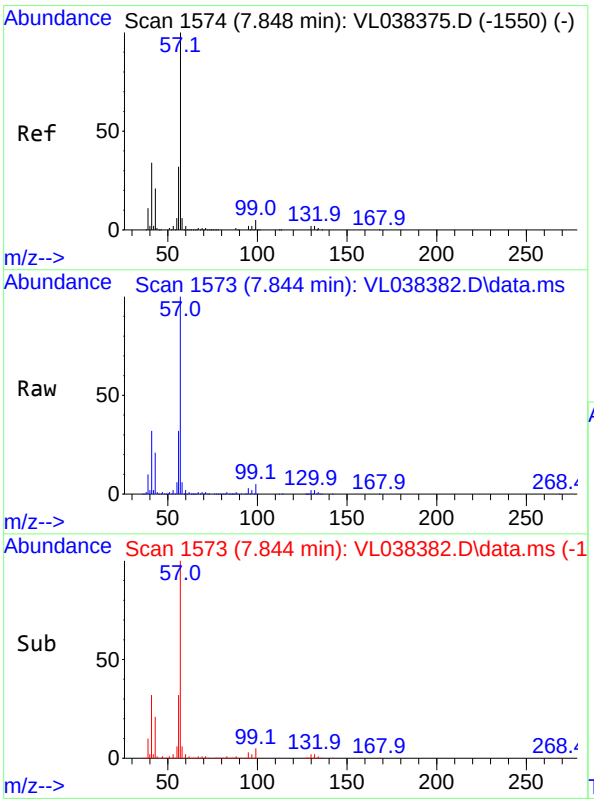
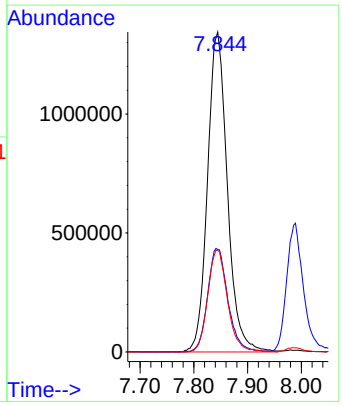


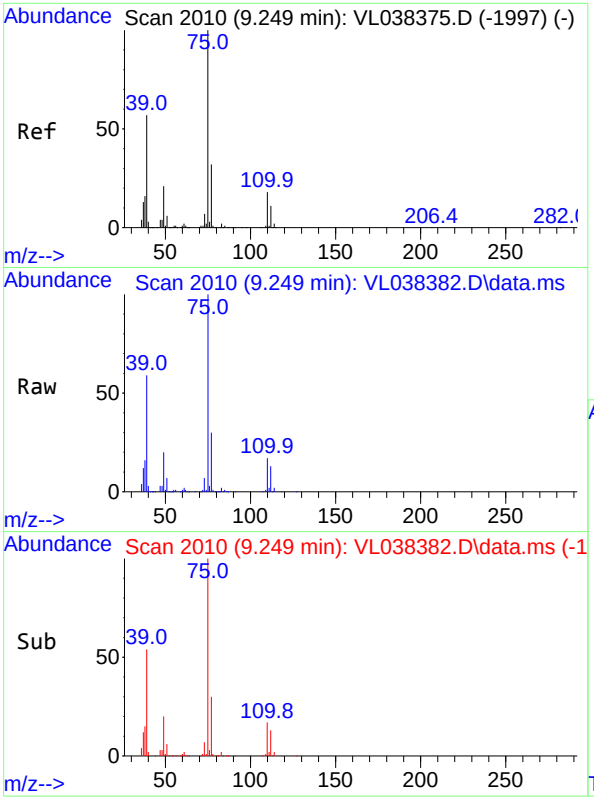


#44
2,2,4-Trimethylpentane
Concen: 9.261 ppbv
RT: 7.844 min Scan# 1573
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 57 Resp: 3448870

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.6	39.8
56	31.7	25.0	37.6





#45
t-1,3-Dichloropropene
Concen: 10.029 ppbv
RT: 9.249 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 75 Resp: 60373

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.4	38.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

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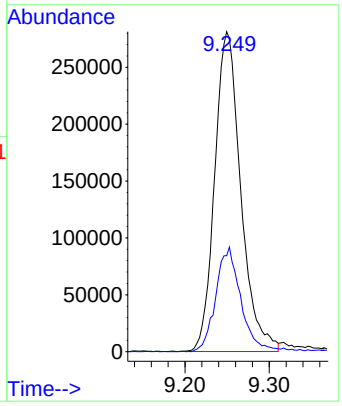
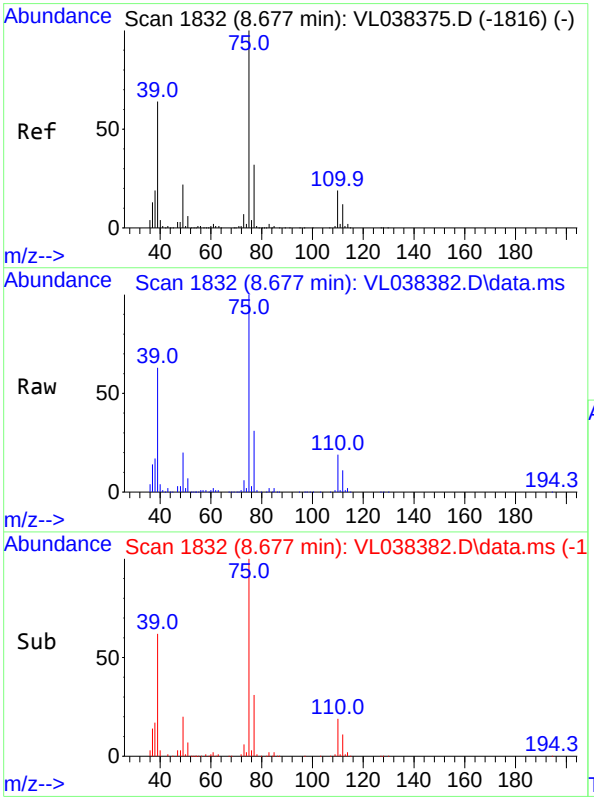
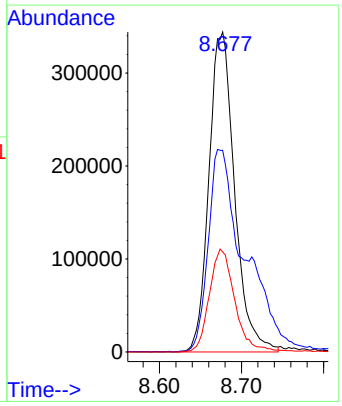


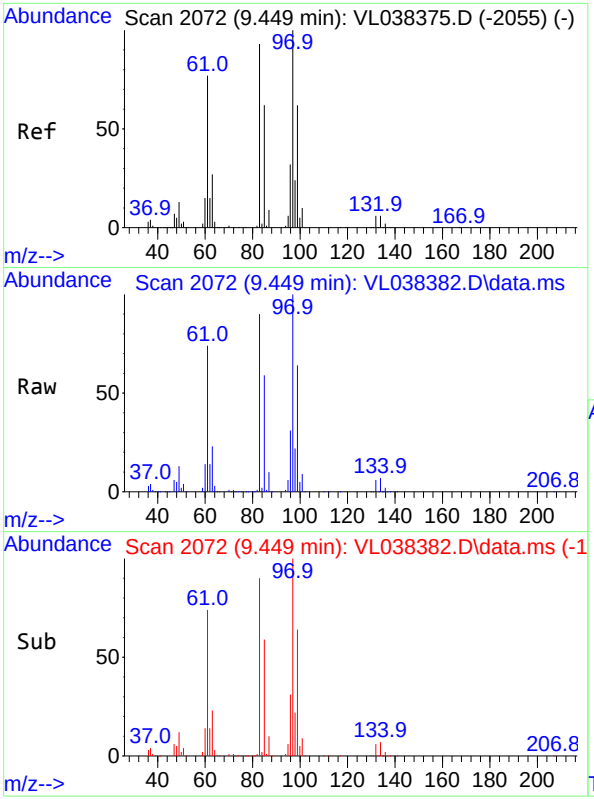


#46
cis-1,3-Dichloropropene
Concen: 9.501 ppbv
RT: 8.677 min Scan# 1832
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 75 Resp: 749626

Ion	Ratio	Lower	Upper
75	100		
39	62.9	51.4	77.2
77	31.3	25.4	38.2

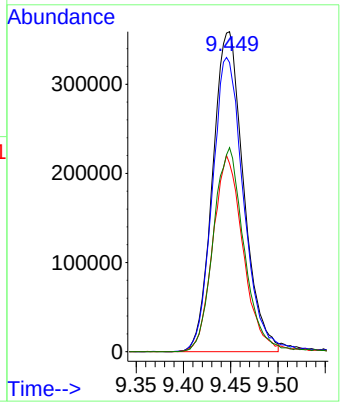




#47
1,1,2-Trichloroethane
Concen: 9.510 ppbv
RT: 9.449 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 97 Resp: 81655

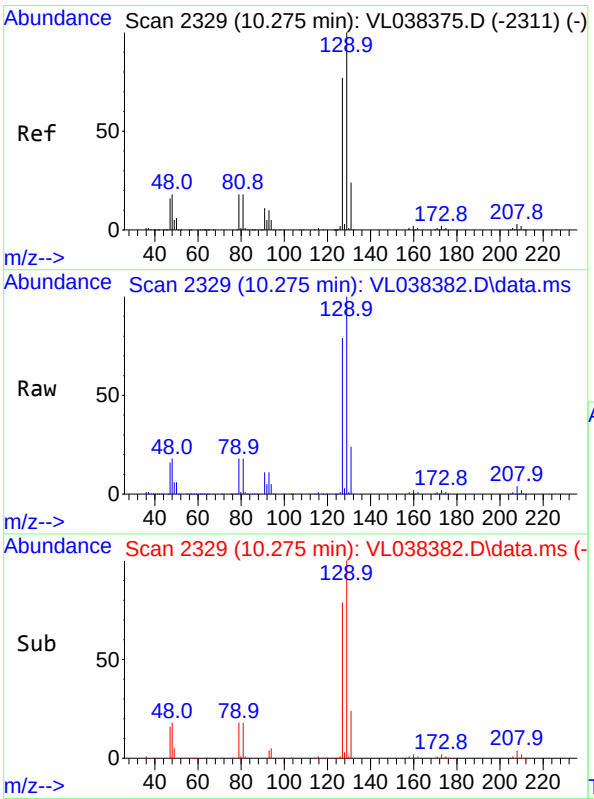
Ion	Ratio	Lower	Upper
97	100		
83	90.2	74.2	111.4
85	58.8	49.8	74.8
99	63.7	49.5	74.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022222

Manual Integrations
APPROVED

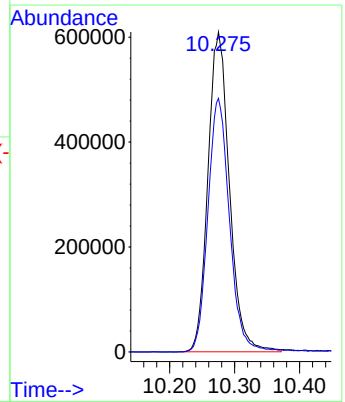
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Amit Patel 02/23/2022

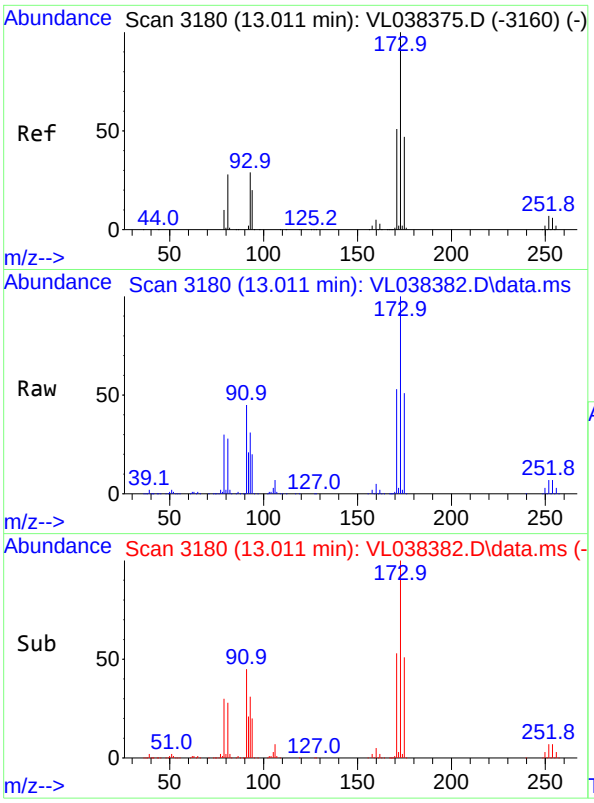


#48
Dibromochloromethane
Concen: 10.012 ppbv
RT: 10.275 min Scan# 2329
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:129 Resp: 1405729

Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.1

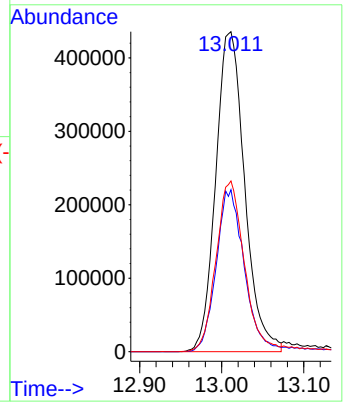




#49
Bromoform
Concen: 10.318 ppbv
RT: 13.011 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:173 Resp: 106933

Ion	Ratio	Lower	Upper
173	100		
175	50.5	40.2	60.2
171	54.1	42.7	64.1



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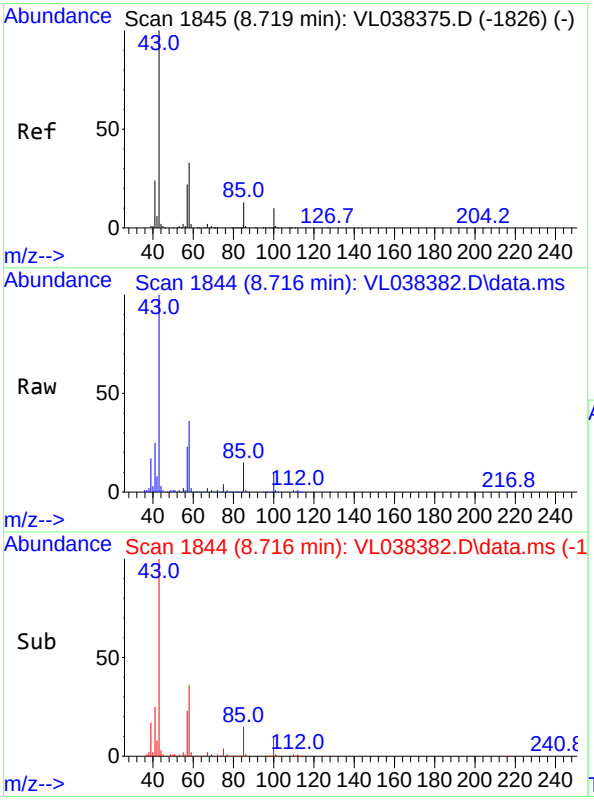
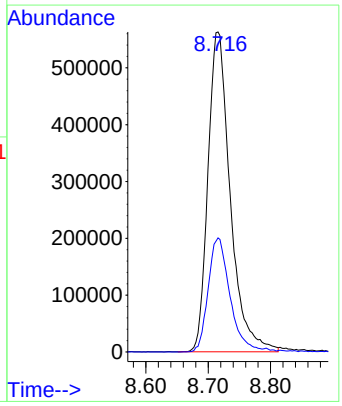
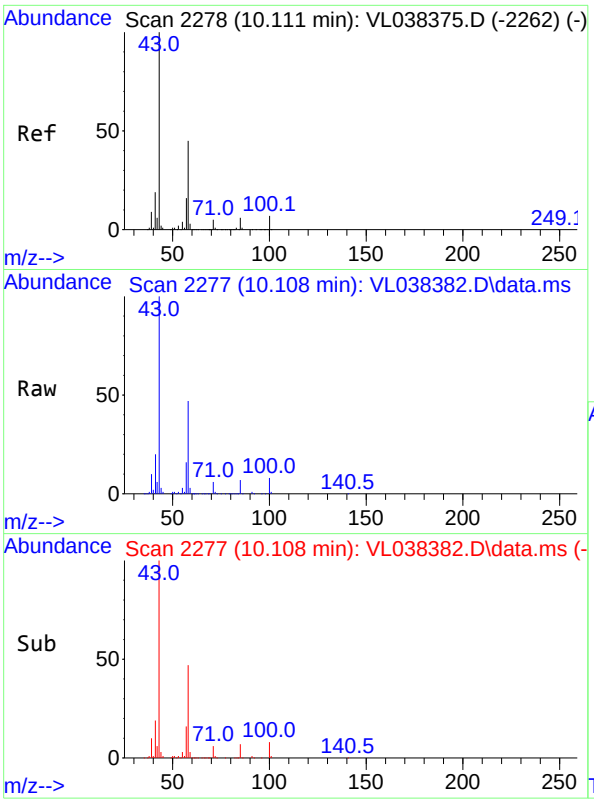


#50
4-Methyl-2-Pentanone
Concen: 10.215 ppbv
RT: 8.716 min Scan# 1844
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 1398020

Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.7	41.5





#51
2-Hexanone
Concen: 10.324 ppbv
RT: 10.108 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 63258

Ion	Ratio	Lower	Upper
43	100		
58	48.2	37.4	56.0
98	0.2	0.1	0.1

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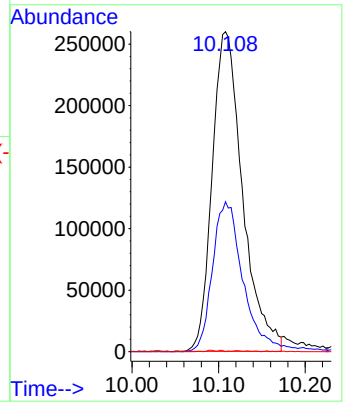
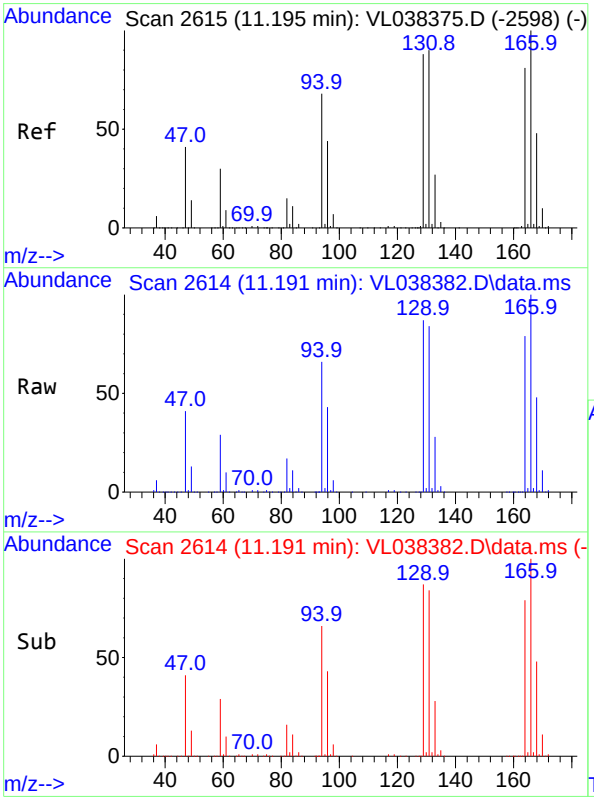
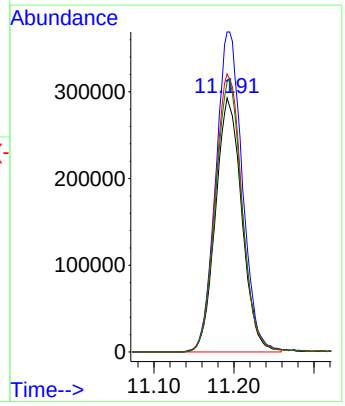


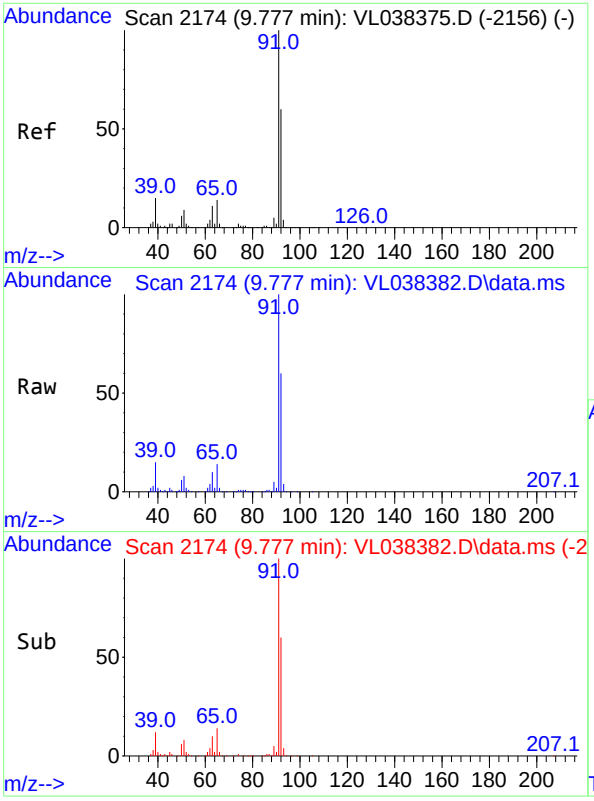


#52
Tetrachloroethene
Concen: 9.296 ppbv
RT: 11.191 min Scan# 2614
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:164 Resp: 668675

Ion	Ratio	Lower	Upper
164	100		
166	126.0	98.6	148.0
129	109.5	86.9	130.3
131	106.2	88.6	133.0





#53
Toluene
Concen: 9.816 ppbv
RT: 9.777 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 230934

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.2	72.4

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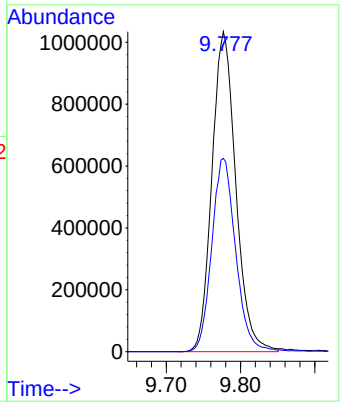
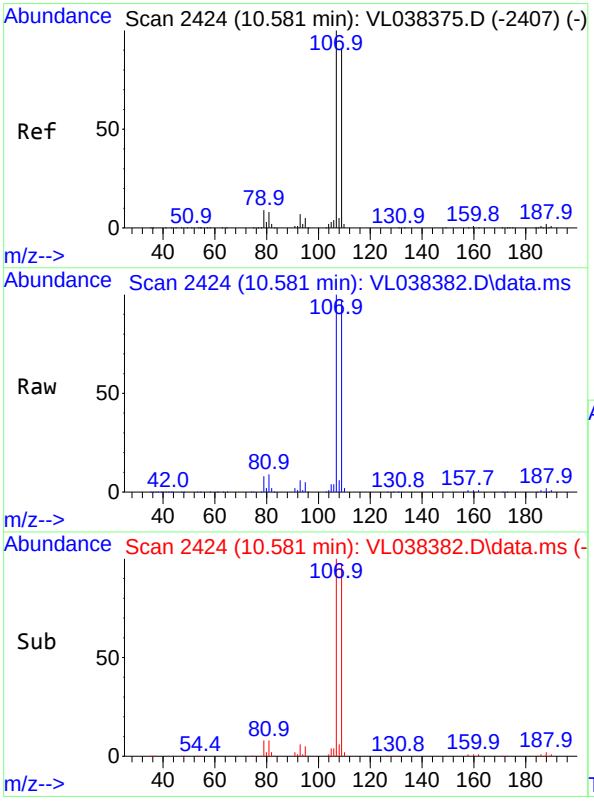
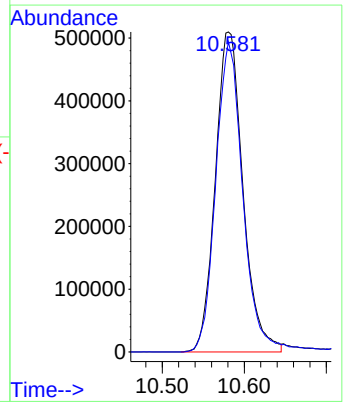


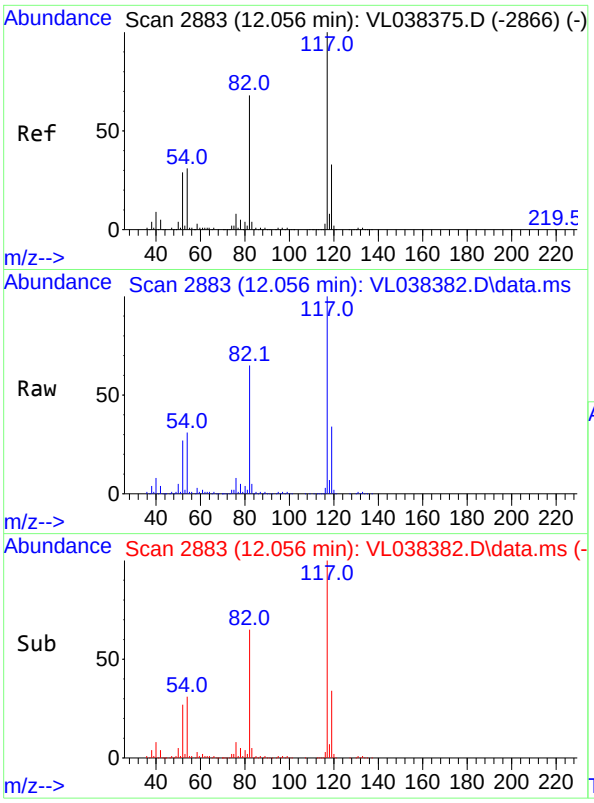


#54
1,2-Dibromoethane
Concen: 9.878 ppbv
RT: 10.581 min Scan# 2424
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:107 Resp: 1193982

Ion	Ratio	Lower	Upper
107	100		
109	96.9	73.0	109.6

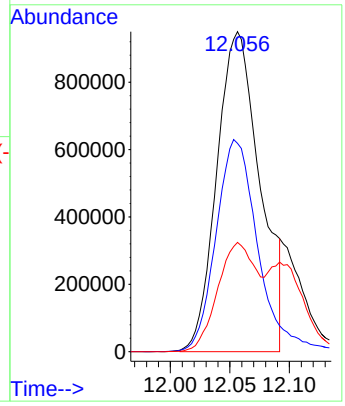




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.056 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:117 Resp: 239552

Ion	Ratio	Lower	Upper
117	100		
82	66.4	54.9	82.3
119	56.0	46.1	69.1



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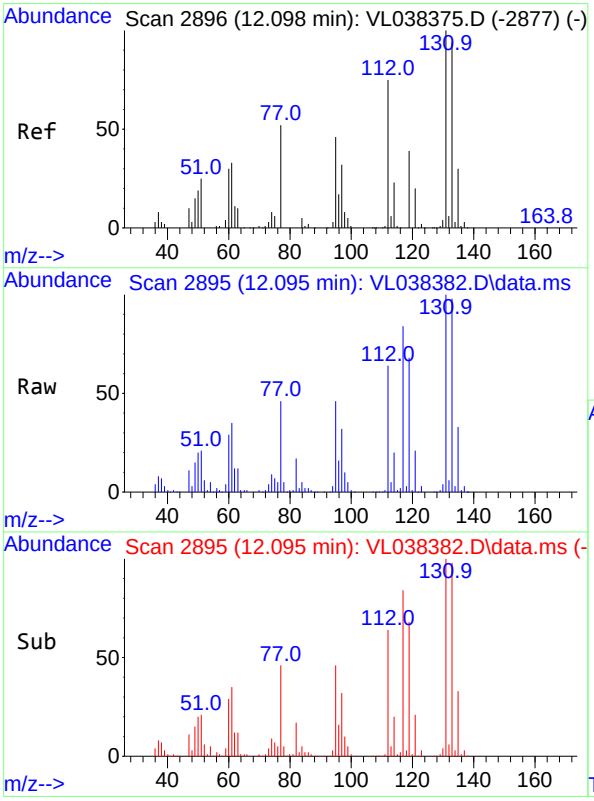
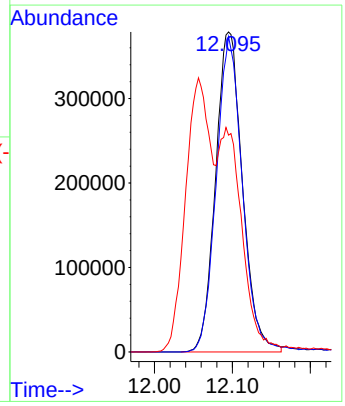
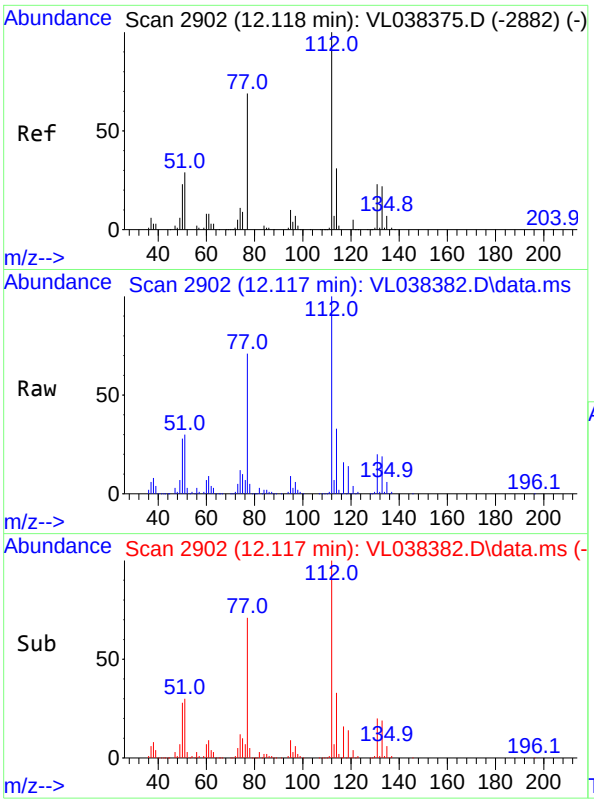


#56
1,1,1,2-Tetrachloroethane
Concen: 9.090 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:131 Resp: 907646

Ion	Ratio	Lower	Upper
131	100		
133	96.1	77.3	115.9
119	61.8	48.6	73.0





#57
Chlorobenzene
Concen: 8.923 ppbv
RT: 12.117 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:112 Resp: 164921

Ion	Ratio	Lower	Upper
112	100		
77	70.5	55.2	82.8
114	33.4	27.9	34.1

Instrument :
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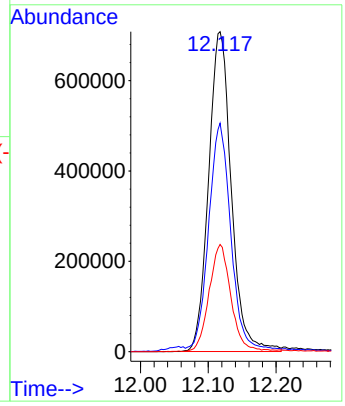
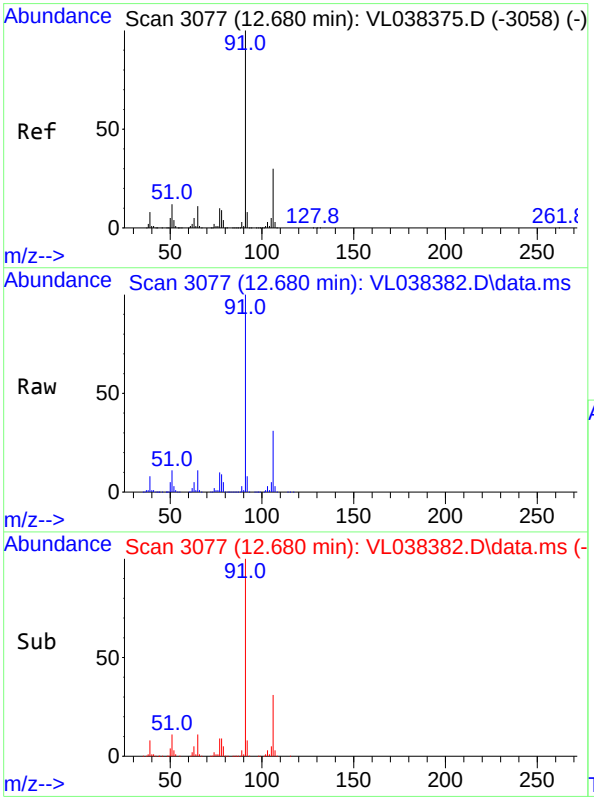
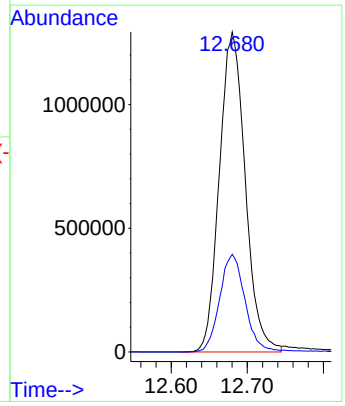


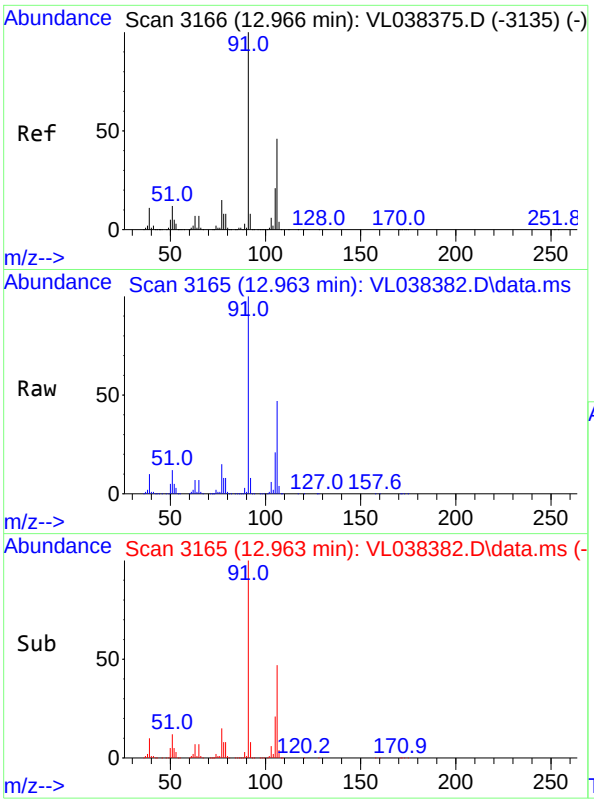


#58
Ethyl Benzene
Concen: 9.322 ppbv
RT: 12.680 min Scan# 3077
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 3053788

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.0	36.0





#59
m/p-Xylene
Concen: 18.372 ppbv m
RT: 12.963 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 516860

Ion	Ratio	Lower	Upper
91	100		
106	42.6	34.4	51.6

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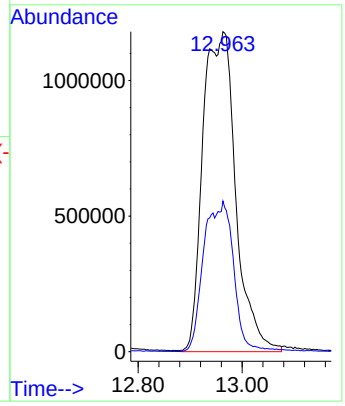
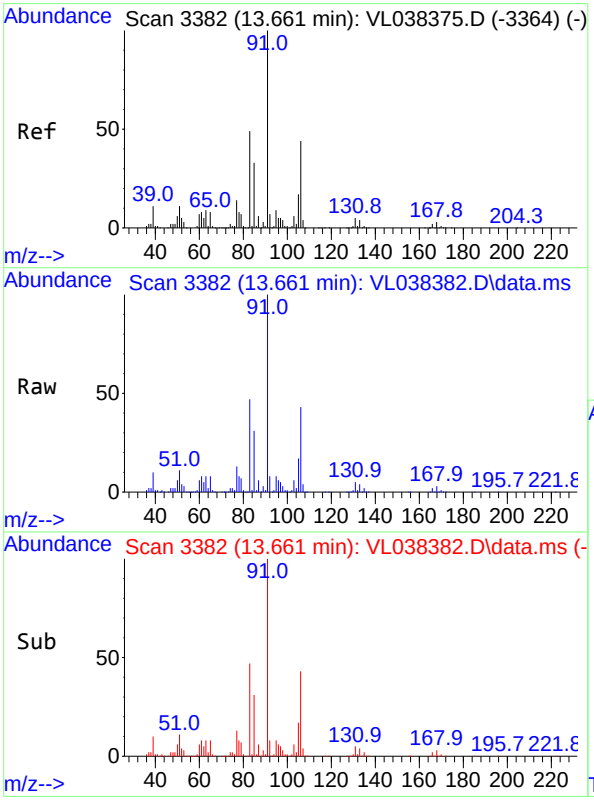
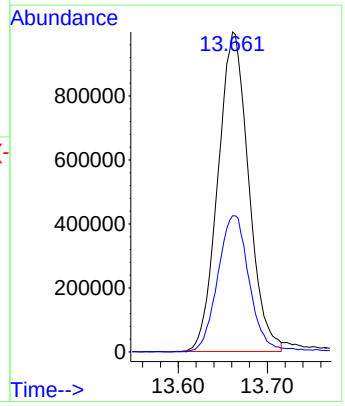


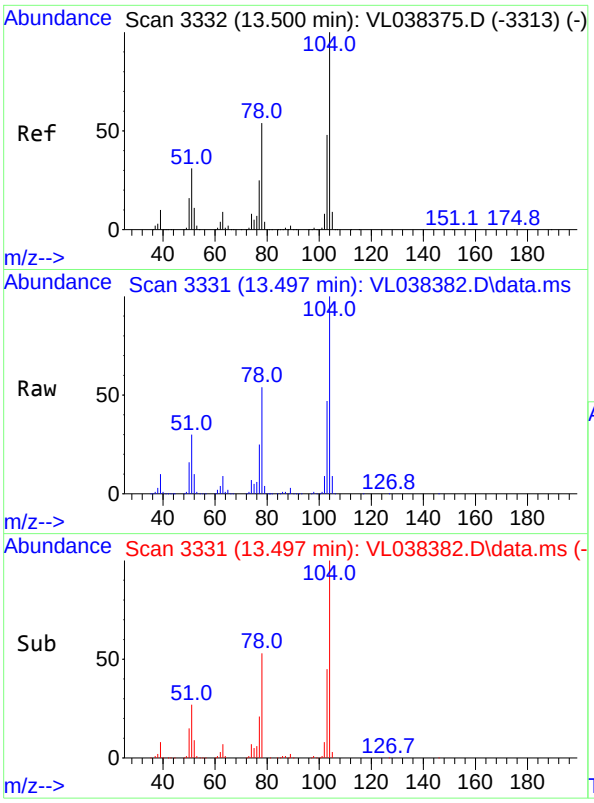


#60
o-Xylene
Concen: 8.971 ppbv
RT: 13.661 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 2385827

Ion	Ratio	Lower	Upper
91	100		
106	45.2	21.9	65.5





#61
Styrene
Concen: 10.314 ppbv
RT: 13.497 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:104 Resp: 126516

Ion	Ratio	Lower	Upper
104	100		
78	54.9	44.2	66.4
103	47.3	38.4	57.6

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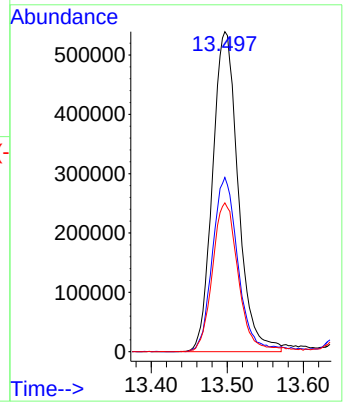
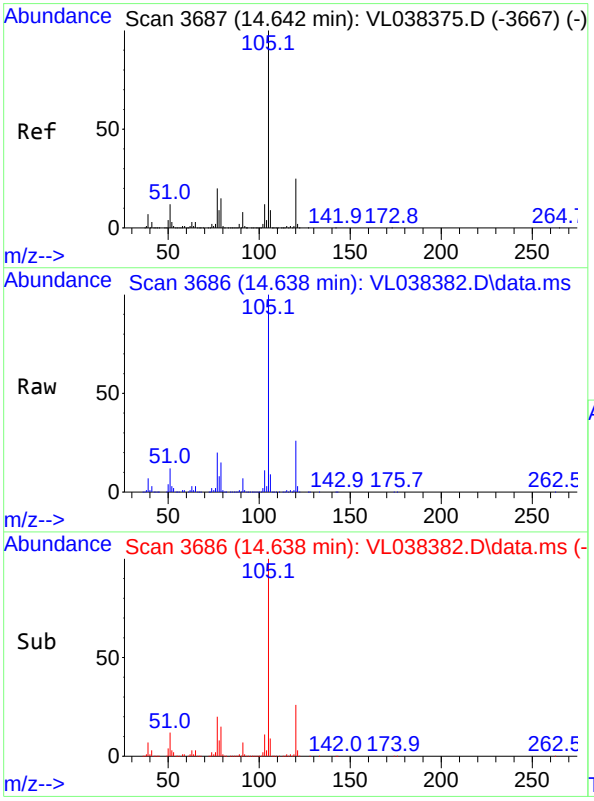
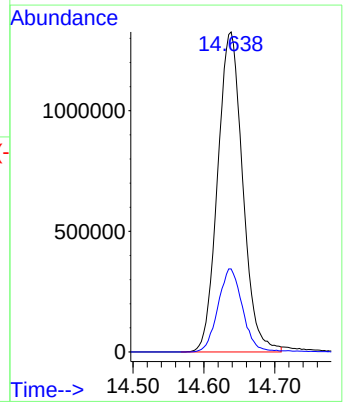


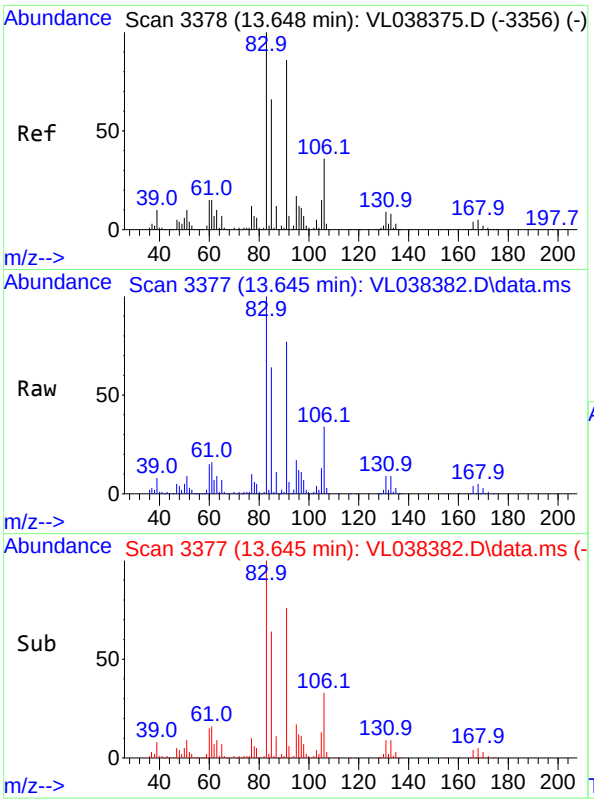


#62
Isopropylbenzene
Concen: 9.145 ppbv
RT: 14.638 min Scan# 3686
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 3264073

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.255 ppbv
RT: 13.645 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 83 Resp: 178364

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	66.1	33.0	99.0

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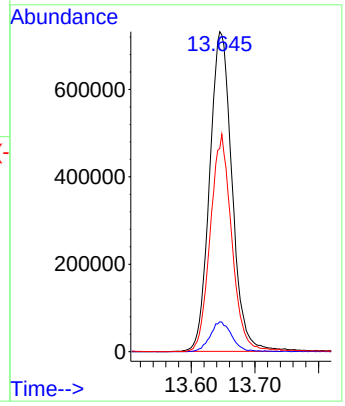
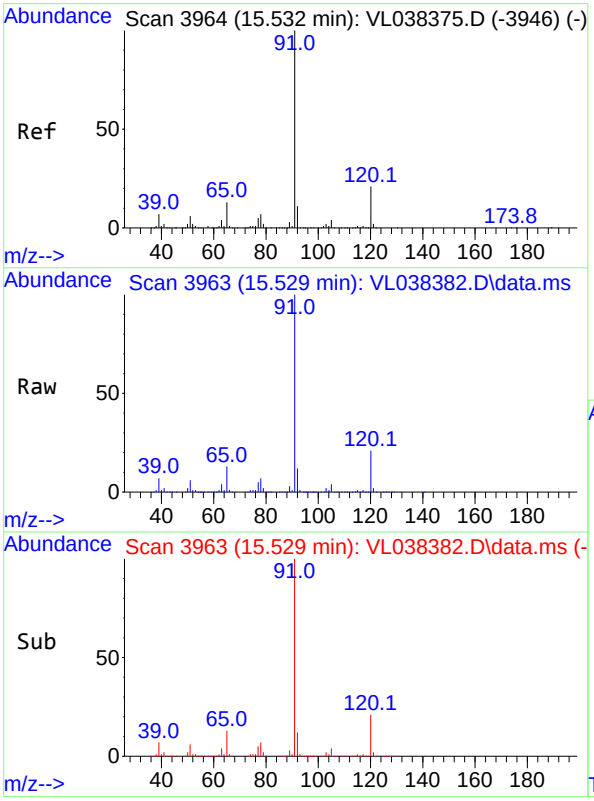
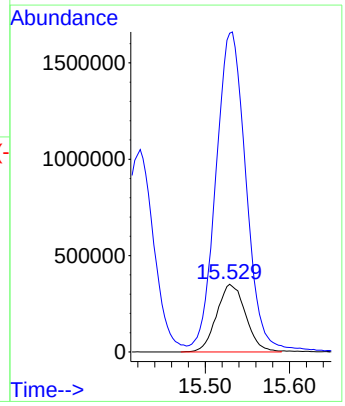


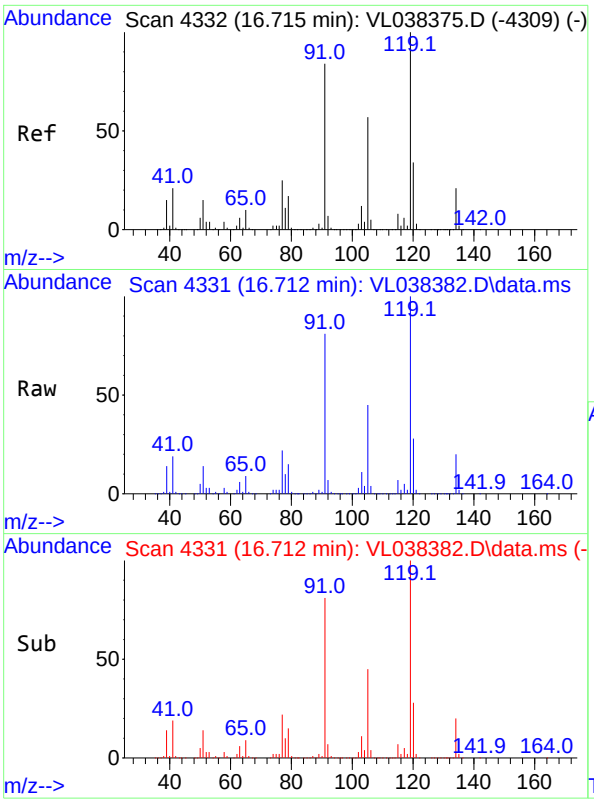


#64
n-propylbenzene
Concen: 9.478 ppbv
RT: 15.529 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:120 Resp: 837586

Ion	Ratio	Lower	Upper
120	100		
91	495.5	388.1	582.1





#65
tert-Butylbenzene
Concen: 9.358 ppbv
RT: 16.712 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:119 Resp: 289302

Ion	Ratio	Lower	Upper
119	100		
91	83.1	68.0	102.0
134	19.6	15.8	23.8

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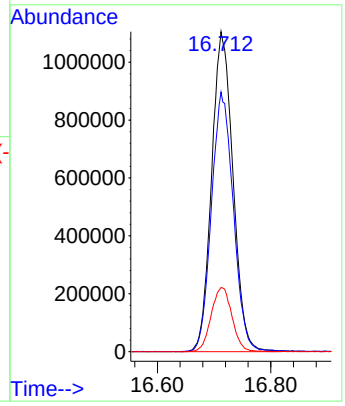
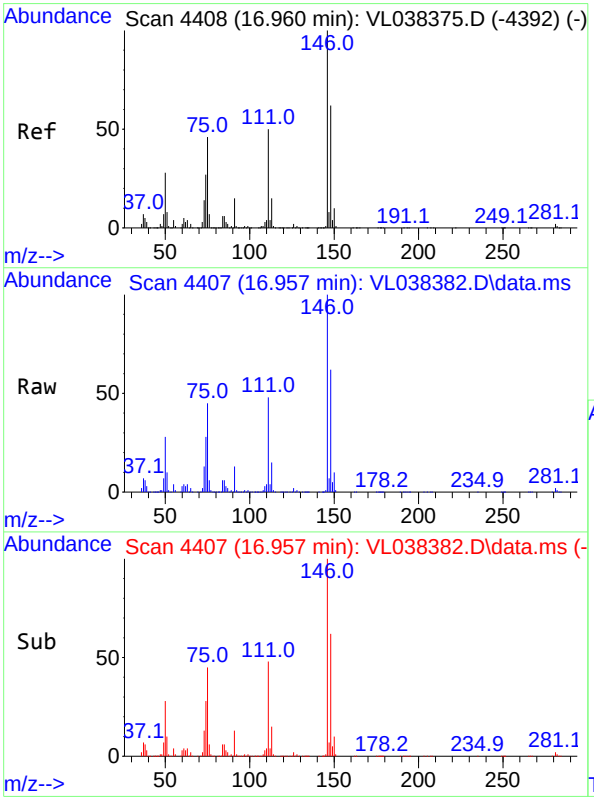
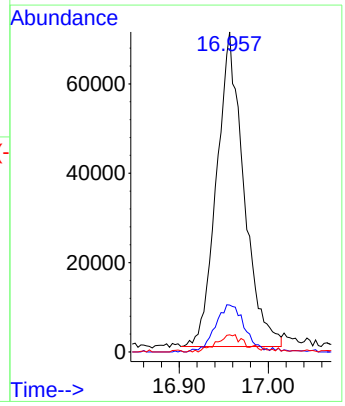


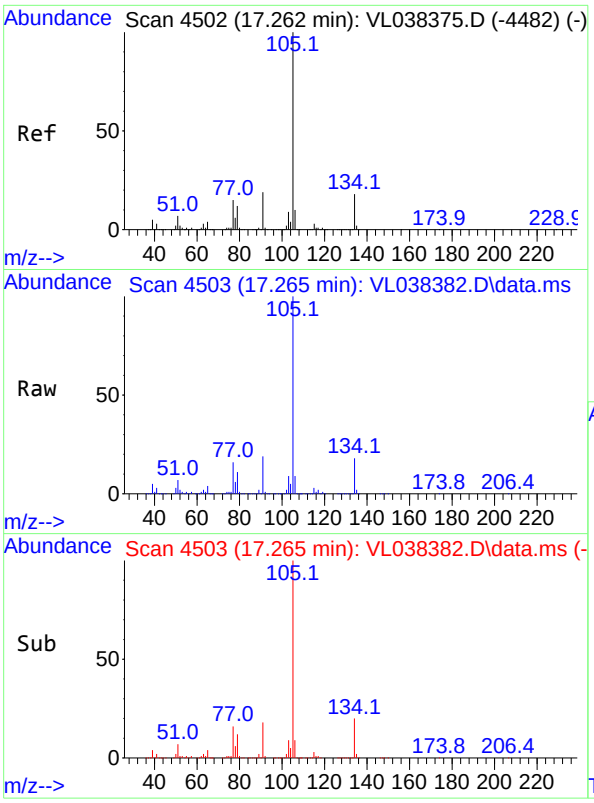


#66
Benzyl Chloride
Concen: 8.920 ppbv
RT: 16.957 min Scan# 4407
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 149022

Ion	Ratio	Lower	Upper
91	100		
126	17.0	12.3	18.5
128	6.9	4.2	6.4#





#67
sec-Butylbenzene
Concen: 9.252 ppbv
RT: 17.265 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 405272

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	21.8

Instrument :
MSVOA_L
ClientSampleId :
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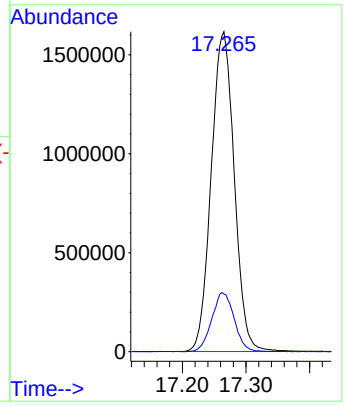
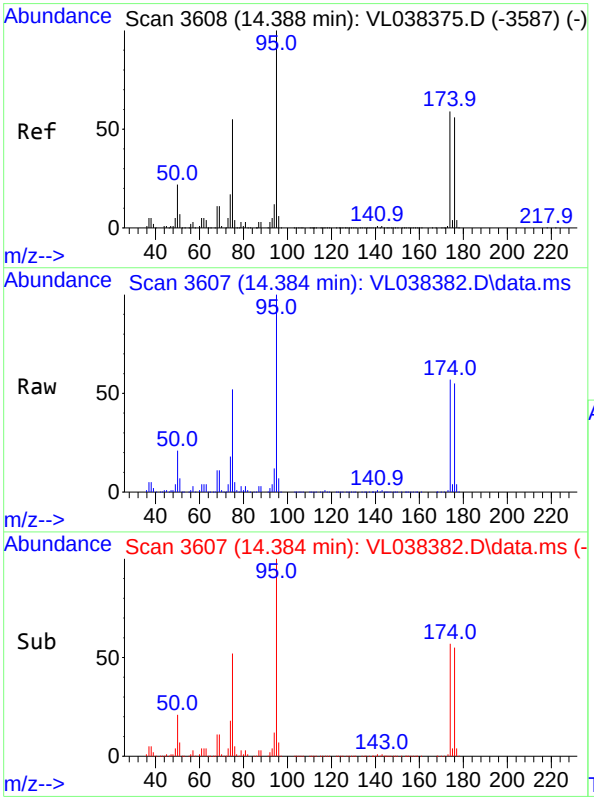
Supervised By :Amit Patel 02/23/2022

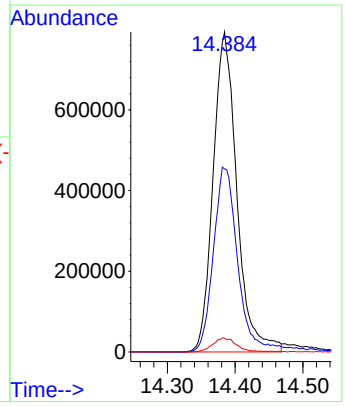


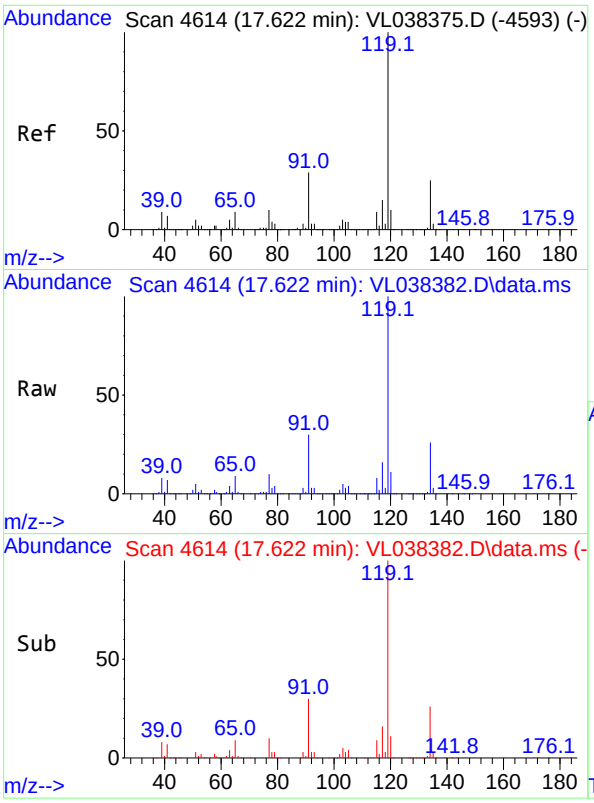


#68
1-Bromo-4-Fluorobenzene
Concen: 9.718 ppbv
RT: 14.384 min Scan# 3607
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 95 Resp: 1926159

Ion	Ratio	Lower	Upper
95	100		
174	60.9	49.0	73.4
175	4.6	3.6	5.4

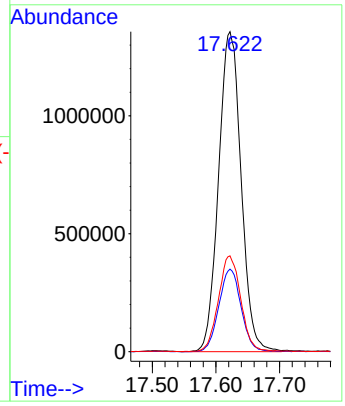




#69
p-Isopropyltoluene
Concen: 9.686 ppbv
RT: 17.622 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:119 Resp: 333272

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.4	30.6
91	29.8	23.8	35.8



Instrument :
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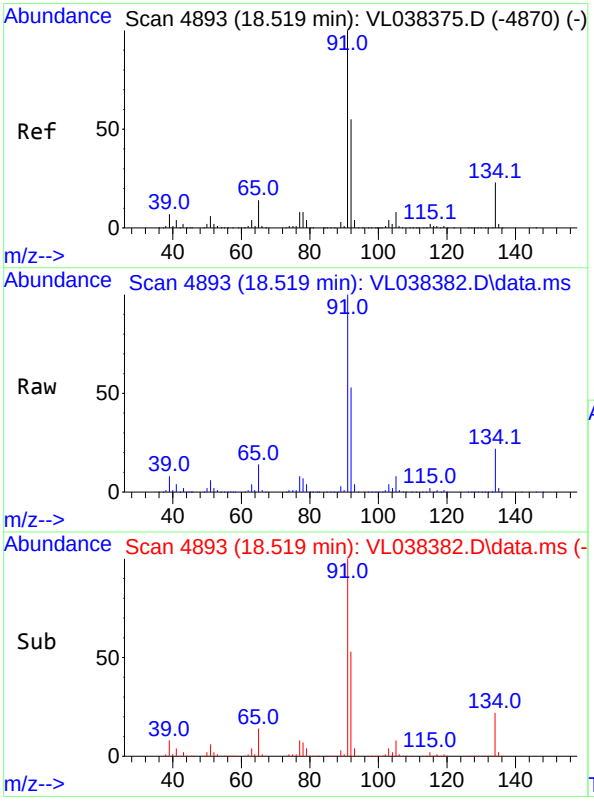
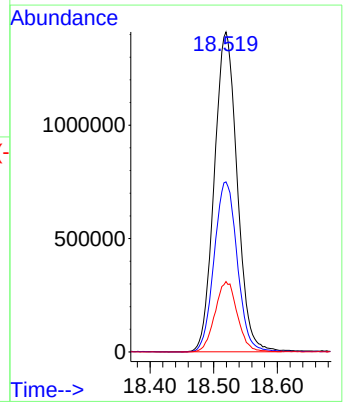
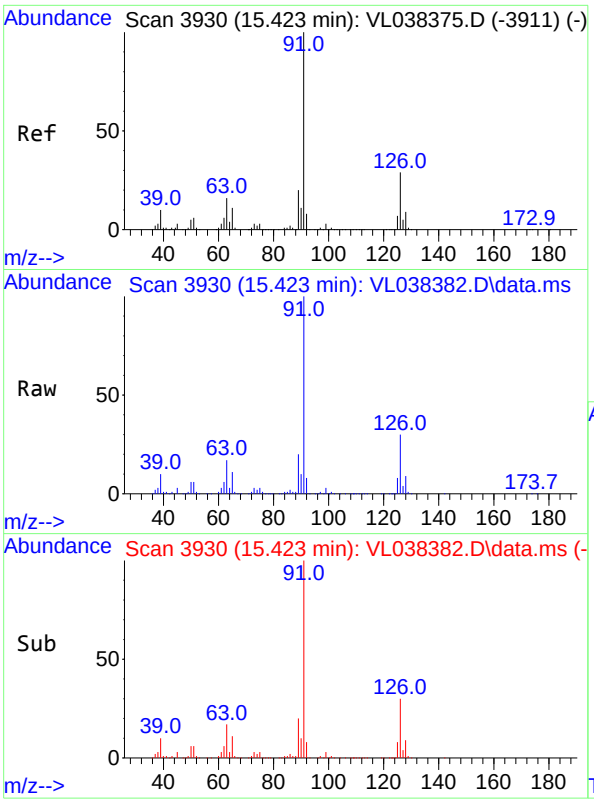


#70
n-Butylbenzene
Concen: 9.894 ppbv
RT: 18.519 min Scan# 4893
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 3522801

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.1	64.7
134	21.7	17.4	26.0

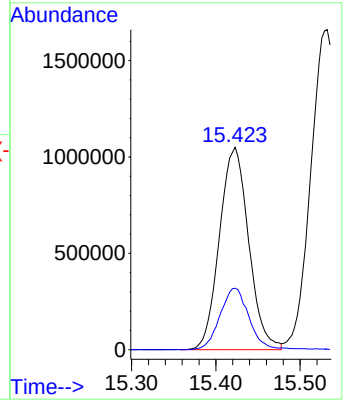




#71
2-Chlorotoluene
Concen: 9.219 ppbv
RT: 15.423 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 253039

Ion	Ratio	Lower	Upper
91	100		
126	30.7	11.9	47.7



Instrument :
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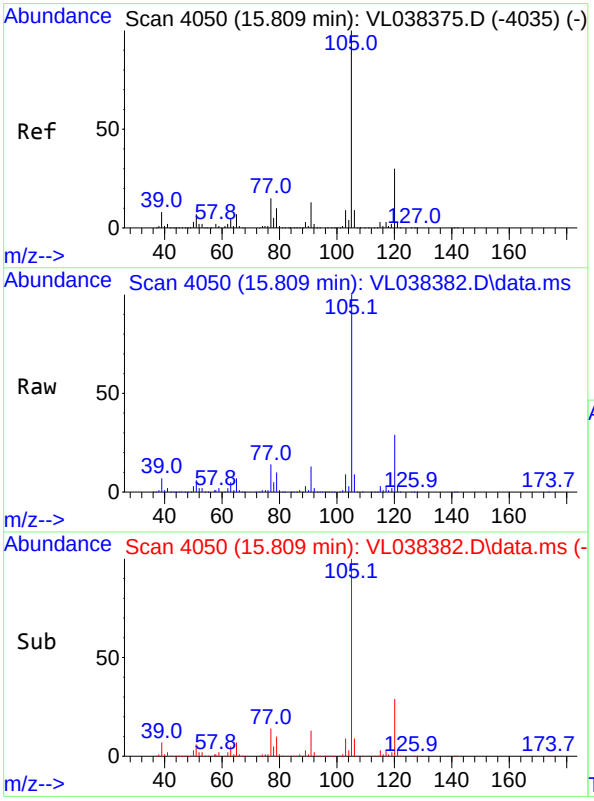
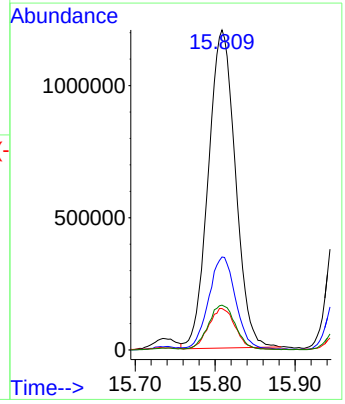
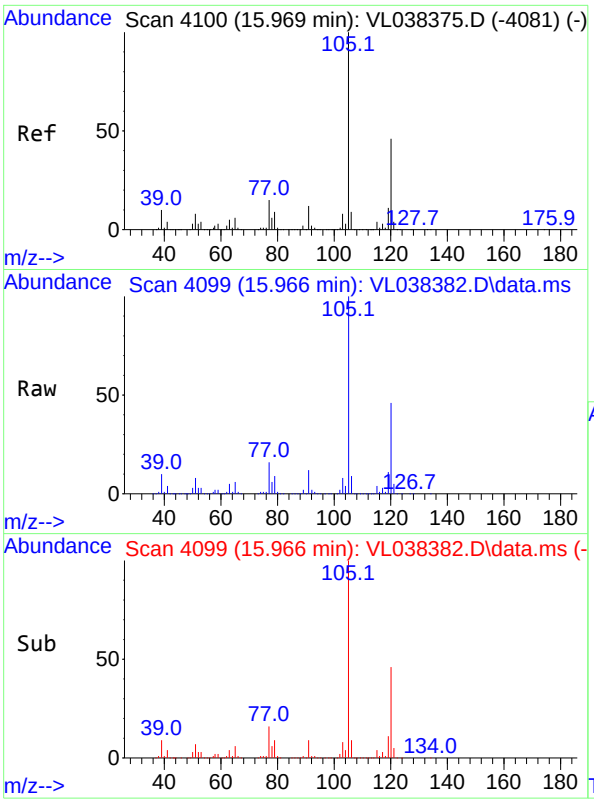


#72
4-Ethyltoluene
Concen: 9.653 ppbv
RT: 15.809 min Scan# 4050
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 2828452

Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.4	35.2
91	12.9	10.4	15.6
77	14.5	11.6	17.4





#73
1,3,5-Trimethylbenzene
Concen: 9.580 ppbv
RT: 15.966 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 254925

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.6	55.0

Instrument :
MSVOA_L
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ICVVL022222

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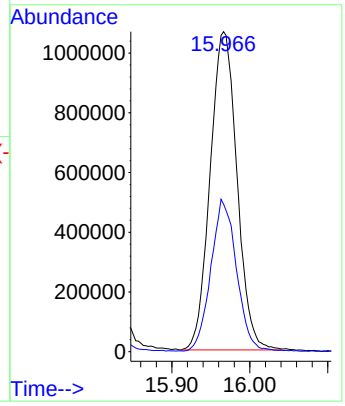
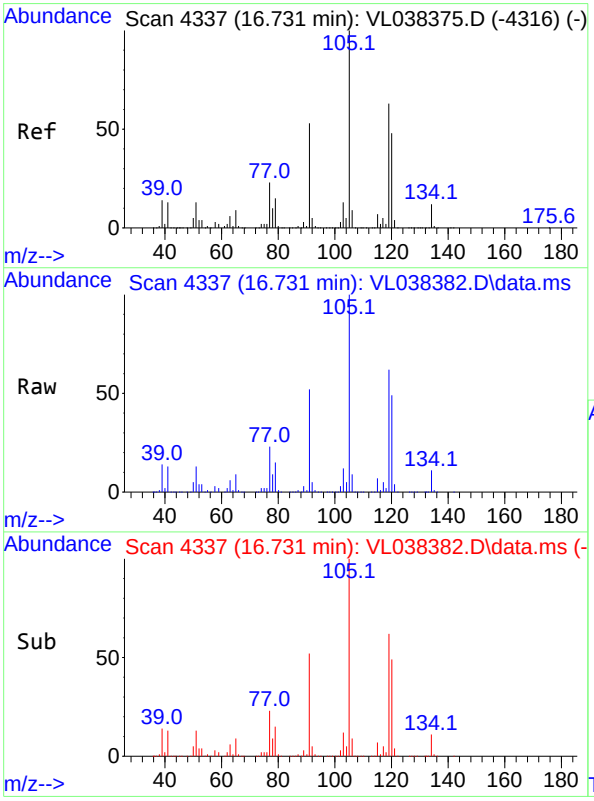
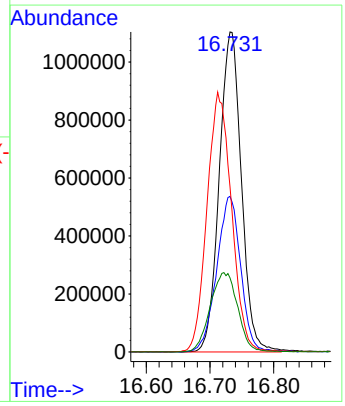


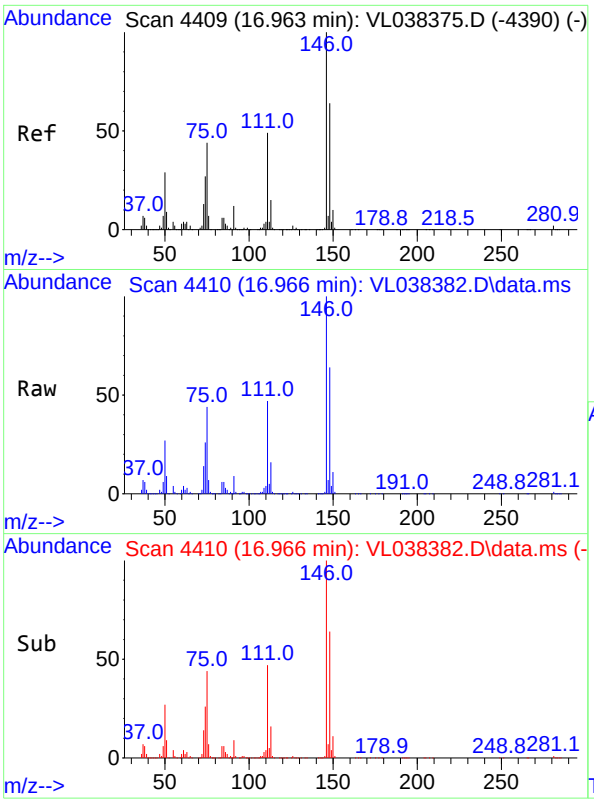


#74
1,2,4-Trimethylbenzene
Concen: 9.505 ppbv
RT: 16.731 min Scan# 4337
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 2670234

Ion	Ratio	Lower	Upper
105	100		
120	48.6	38.2	57.4
91	51.5	42.7	64.1
77	23.1	18.5	27.7

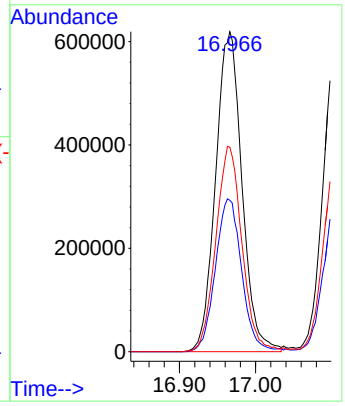




#75
1,3-Dichlorobenzene
Concen: 9.461 ppbv
RT: 16.966 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:146 Resp: 148867

Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.3	72.9
148	63.8	32.0	96.0



Instrument :
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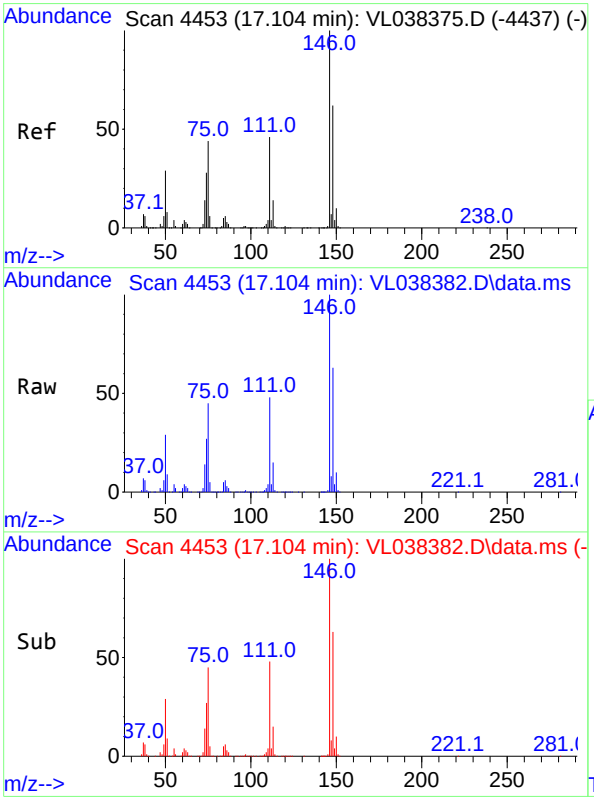
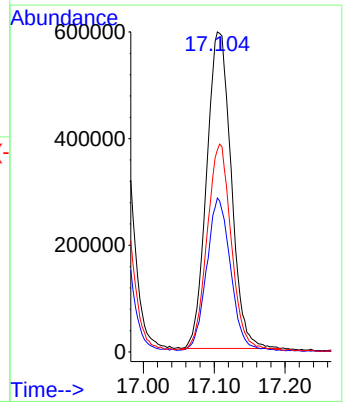
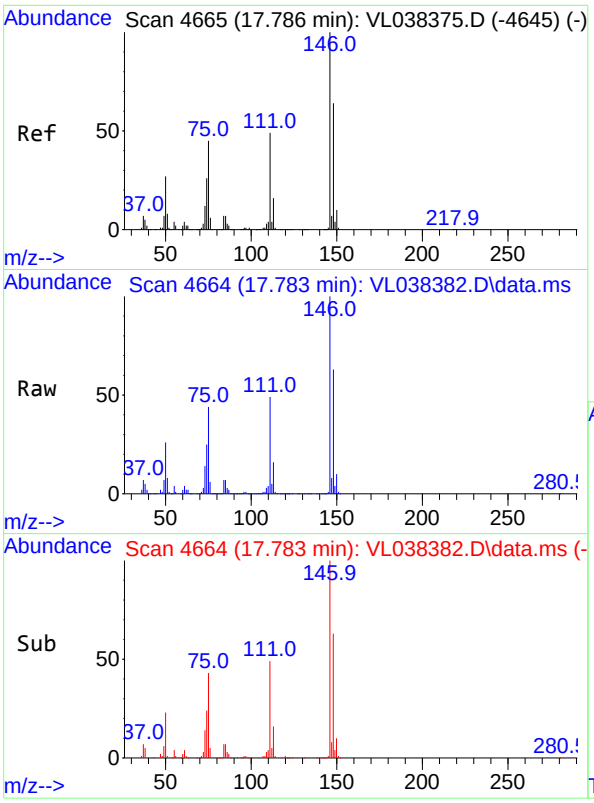


#76
1,4-Dichlorobenzene
Concen: 9.195 ppbv
RT: 17.104 min Scan# 4453
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:146 Resp: 1426839

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.1	72.2
148	66.8	32.8	98.4





#77
1,2-Dichlorobenzene
Concen: 9.346 ppbv
RT: 17.783 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:146 Resp: 141563

Ion	Ratio	Lower	Upper
146	100		
111	50.4	25.6	76.6
148	64.3	32.4	97.2

Instrument :
MSVOA_L
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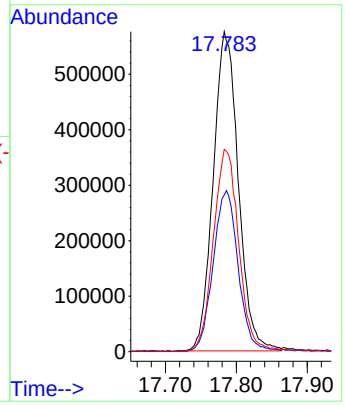
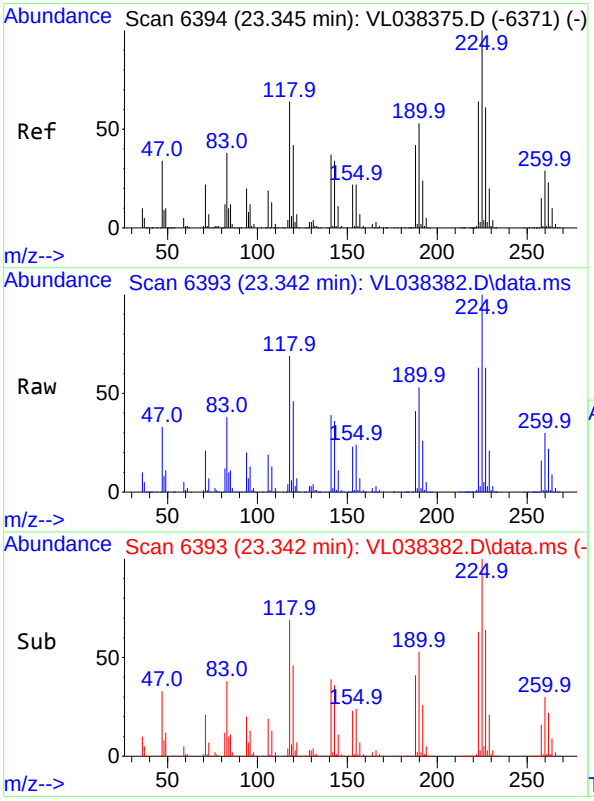
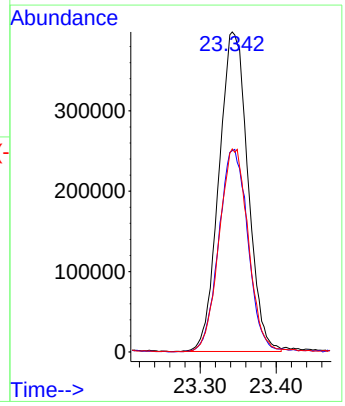


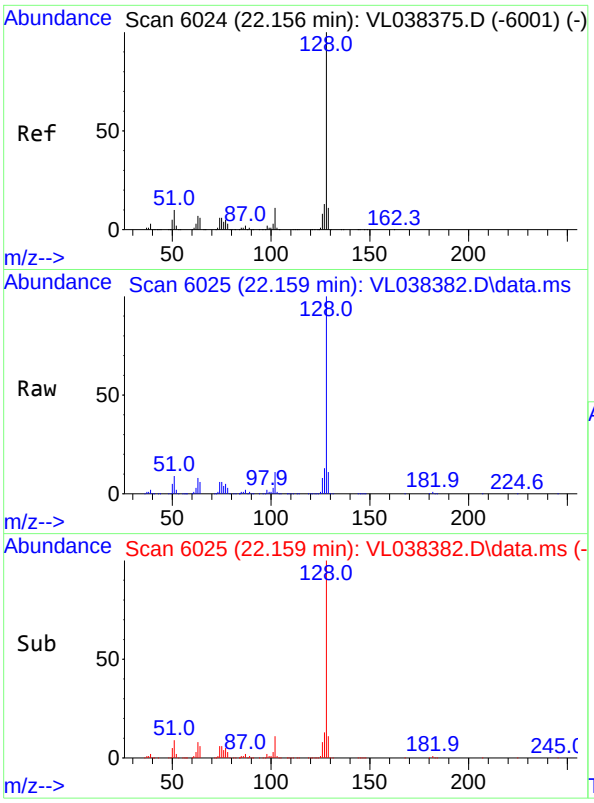


#78
Hexachloro-1,3-Butadiene
Concen: 9.102 ppbv
RT: 23.342 min Scan# 6393
Delta R.T. -0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:225 Resp: 1051481

Ion	Ratio	Lower	Upper
225	100		
223	64.4	52.0	78.0
227	64.1	51.6	77.4

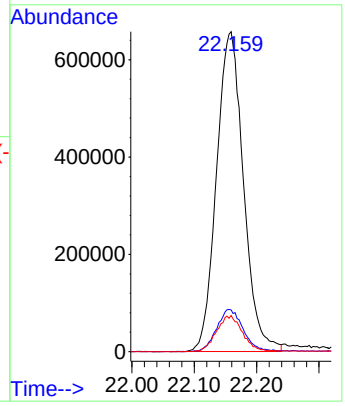




#79
Naphthalene
Concen: 12.967 ppbv
RT: 22.159 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:128 Resp: 197381

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.3	8.8	13.2



Instrument :
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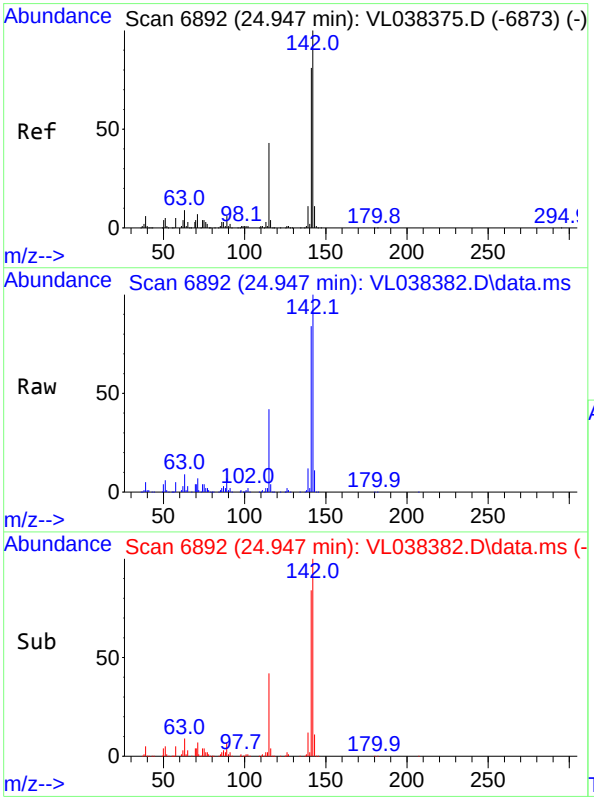
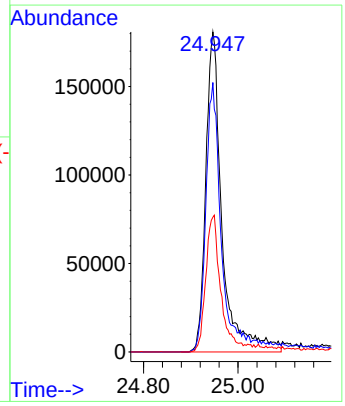
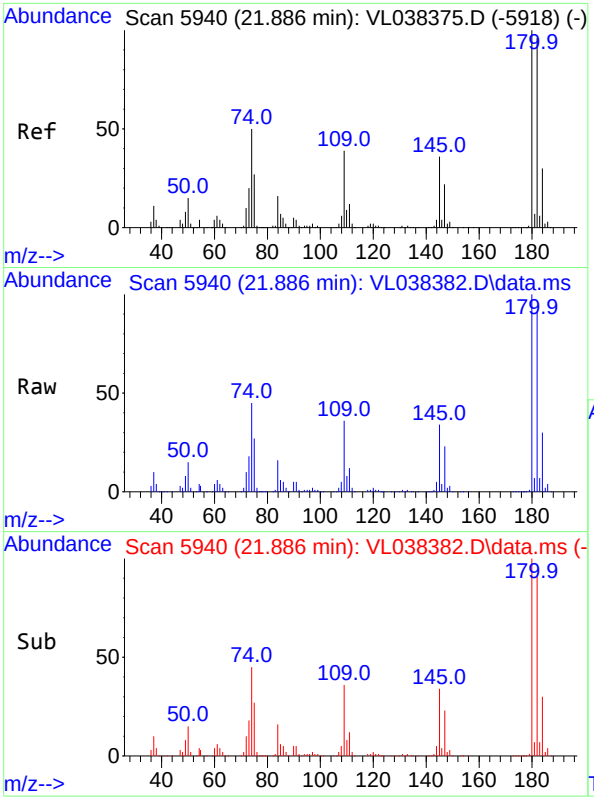


#80
Naphthalene,2-methyl-
Concen: 14.554 ppbv
RT: 24.947 min Scan# 6892
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:142 Resp: 432968

Ion	Ratio	Lower	Upper
142	100		
141	83.6	69.8	104.6
115	43.4	33.0	49.6

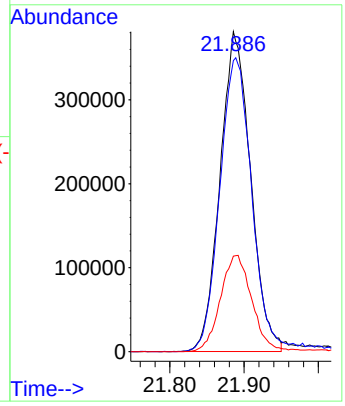




#81
1,2,4-Trichlorobenzene
Concen: 11.801 ppbv
RT: 21.886 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL038382.D
Acq: 22 Feb 2022 9:08

Tgt Ion:180 Resp: 108610

Ion	Ratio	Lower	Upper
180	100		
182	100.4	77.4	116.2
184	31.7	24.9	37.3



Instrument :
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