Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032422\
Data File : VN071513.D
Acq On : 24 Mar 2022 10:54
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 24 11:44:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 11:41:47 2022
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.657	128	107697	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	611020	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	556718	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	232428	27.765	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 92.567%			
60) 4-Bromofluorobenzene	12.727	95	250198	29.296	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.667%			
63) Toluene-d8	10.439	98	771631	30.122	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	349862	50.431	ug/l	99
3) Chloromethane	2.299	50	400732	44.572	ug/l	96
4) Vinyl Chloride	2.440	62	463987	54.015	ug/l	100
5) Bromomethane	2.840	94	284297	62.741	ug/l	99
6) Chloroethane	3.004	64	305463	57.961	ug/l	99
7) Trichlorofluoromethane	3.369	101	531553	49.677	ug/l	98
8) Diethyl Ether	3.822	74	224688	48.376	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.210	101	319358	52.137	ug/l #	65
10) 1,1-Dichloroethene	4.181	96	312490	50.628	ug/l	98
11) Methyl Iodide	4.422	142	475098	55.044	ug/l	89
12) Methyl Acetate	4.851	43	433648	38.709	ug/l	100
13) Acrolein	4.040	56	239722	169.544	ug/l	98
14) Acrylonitrile	5.551	53	1011746	214.163	ug/l	99
15) Acetone	4.281	58	285046	223.532	ug/l	94
16) Carbon Disulfide	4.534	76	817288	49.247	ug/l	99
17) Allyl chloride	4.840	41	513854	42.272	ug/l	85
18) Methylene Chloride	5.092	84	371061	49.502	ug/l	97
19) trans-1,2-Dichloroethene	5.598	96	336764	51.743	ug/l	96
20) Diisopropyl ether	6.492	45	1071066	43.079	ug/l	95
21) 1,1-Dichloroethane	6.386	63	635001	47.476	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	403845	51.105	ug/l	99
23) tert-Butyl Alcohol	5.363	59	351475	202.513	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	1132508	48.513	ug/l	92
25) Chloroform	7.816	83	644960	49.641	ug/l	99
26) Cyclohexane	8.092	56	565731	46.919	ug/l #	98
29) 1,1-Dichloropropene	8.216	75	490697	49.958	ug/l	98
30) 2-Butanone	7.328	43	1347051	201.887	ug/l	98
31) 2,2-Dichloropropane	7.322	77	552713	57.789	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	566548	49.583	ug/l	98
33) Carbon Tetrachloride	8.204	117	477971	49.150	ug/l	97
34) Benzene	8.457	78	1495674	49.143	ug/l	96
35) Methacrylonitrile	7.633	41	249325	38.517	ug/l	96
36) 1,2-Dichloroethane	8.528	62	516190	47.779	ug/l #	95
37) Trichloroethene	9.216	130	385498	52.263	ug/l	95
38) Methylcyclohexane	9.457	83	624324	52.288	ug/l	97
39) 1,2-Dichloropropane	9.486	63	373751	46.893	ug/l	99
40) Dibromomethane	9.575	93	254012	49.685	ug/l	88
41) Bromodichloromethane	9.757	83	509930	49.614	ug/l	95
42) Vinyl Acetate	6.428	43	4667682	213.202	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.404	43	523711	40.329	ug/l		99
44) Isopropyl Acetate	8.557	43	816275	39.267	ug/l		93
45) 1,4-Dioxane	9.563	88	168925	890.380	ug/l		95
46) Methyl methacrylate	9.551	41	369253	40.031	ug/l		85
47) n-amyl Acetate	12.380	43	583126	42.353	ug/l		94
48) t-1,3-Dichloropropene	10.716	75	558943	50.014	ug/l		99
49) cis-1,3-Dichloropropene	10.186	75	609504	50.228	ug/l	#	87
50) 1,1,2-Trichloroethane	10.892	97	380737	50.716	ug/l		99
51) Ethyl methacrylate	10.757	69	594691	47.267	ug/l		86
52) 1,3-Dichloropropane	11.039	76	643983	48.163	ug/l		100
53) Dibromochloromethane	11.233	129	398598	51.247	ug/l		99
54) 1,2-Dibromoethane	11.339	107	393196	50.731	ug/l		96
55) 2-Chloroethyl vinyl ether	10.039	63	839447	220.111	ug/l		98
56) Bromoform	12.451	173	306220	50.864	ug/l	#	100
58) 4-Methyl-2-Pentanone	10.327	43	2669449	209.471	ug/l		93
59) 2-Hexanone	11.080	43	1936031	204.553	ug/l		91
61) Tetrachloroethene	10.974	164	329757	52.862	ug/l		91
62) Toluene	10.504	91	1669654	51.950	ug/l		97
64) Chlorobenzene	11.763	112	1023471	52.395	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.839	131	372781	51.449	ug/l		98
66) Ethyl Benzene	11.839	91	1836605	52.129	ug/l		97
67) m/p-Xylenes	11.951	106	1423492	106.250	ug/l		97
68) o-Xylene	12.274	106	699183	52.244	ug/l		98
69) Styrene	12.292	104	1117483	52.970	ug/l		97
70) Isopropylbenzene	12.574	105	1785296	52.632	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.821	83	578153	49.746	ug/l		98
72) 1,2,3-Trichloropropane	12.874	75	502880m	47.094	ug/l		
73) Bromobenzene	12.857	156	429677	53.817	ug/l		96
74) n-propylbenzene	12.915	91	1978114	53.159	ug/l		98
75) 2-Chlorotoluene	13.004	91	1202498	51.460	ug/l		100
76) 1,3,5-Trimethylbenzene	13.057	105	1437478	53.231	ug/l		96
77) t-1,4-Dichloro-2-butene	12.621	75	182085	52.485	ug/l		90
78) 4-Chlorotoluene	13.098	91	1137183	52.428	ug/l		99
79) tert-butylbenzene	13.315	119	1300655	52.948	ug/l		94
80) 1,2,4-Trimethylbenzene	13.363	105	1401252m	53.852	ug/l		
81) sec-Butylbenzene	13.498	105	1754673	53.489	ug/l		97
82) p-Isopropyltoluene	13.610	119	1443523	54.821	ug/l		97
83) 1,3-Dichlorobenzene	13.610	146	715642	55.054	ug/l		98
84) 1,4-Dichlorobenzene	13.692	146	682129	54.953	ug/l		98
85) n-Butylbenzene	13.939	91	1084705	55.418	ug/l		96
86) Hexachloroethane	14.204	117	266298	52.940	ug/l		81
87) 1,2-Dichlorobenzene	13.986	146	694933	54.918	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	105552	48.309	ug/l		86
89) 1,2,4-Trichlorobenzene	15.257	180	328953	56.549	ug/l		97
90) Hexachlorobutadiene	15.362	225	195468	58.517	ug/l		99
91) Naphthalene	15.498	128	959916	54.004	ug/l		98
92) 1,2,3-Trichlorobenzene	15.698	180	327315	55.311	ug/l		98

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

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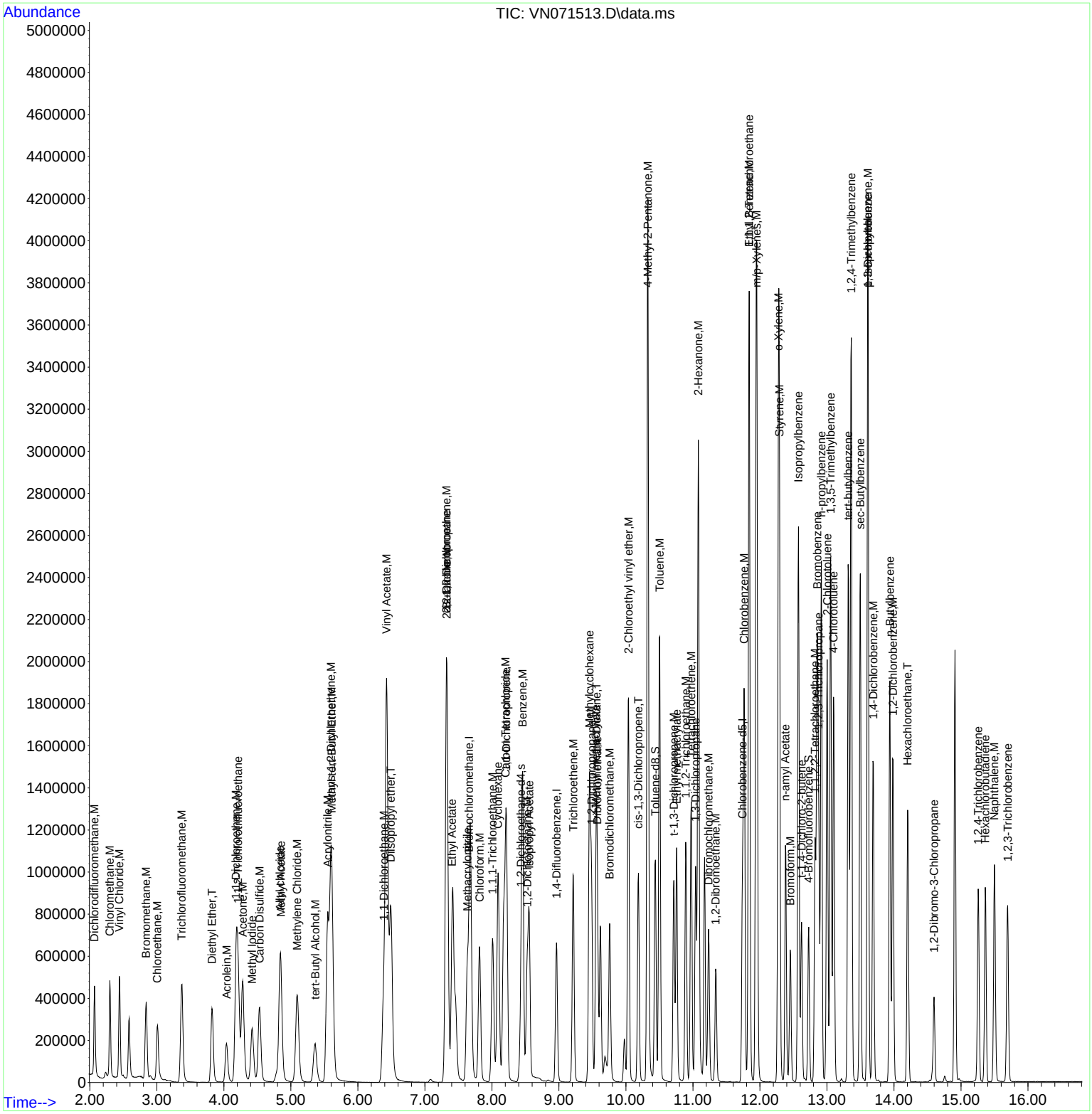
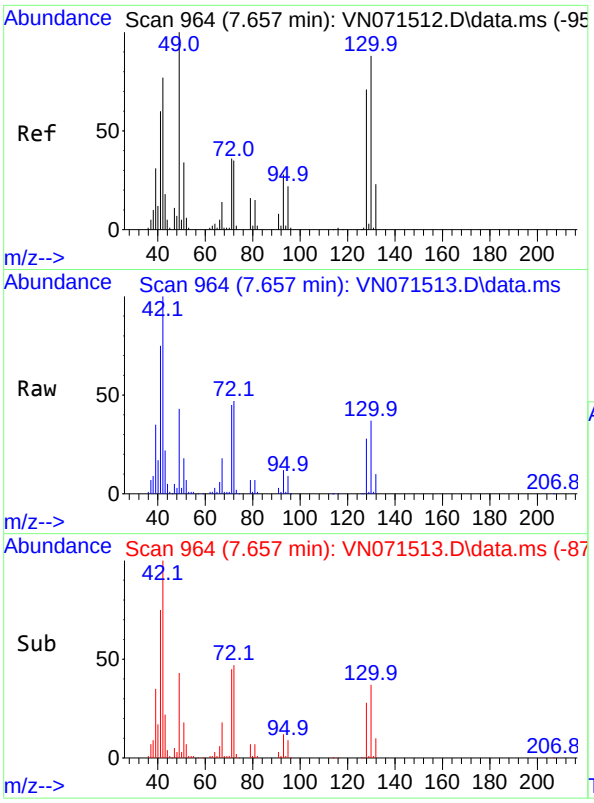
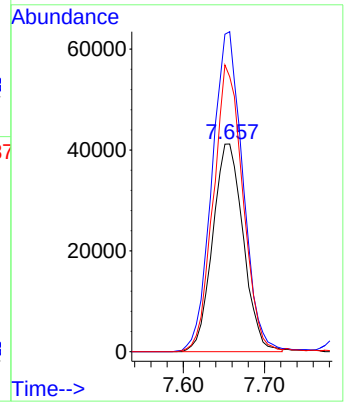




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:128 Resp: 10769

Ion	Ratio	Lower	Upper
128	100		
49	156.1	0.0	392.3
130	133.1	0.0	320.2



Instrument :
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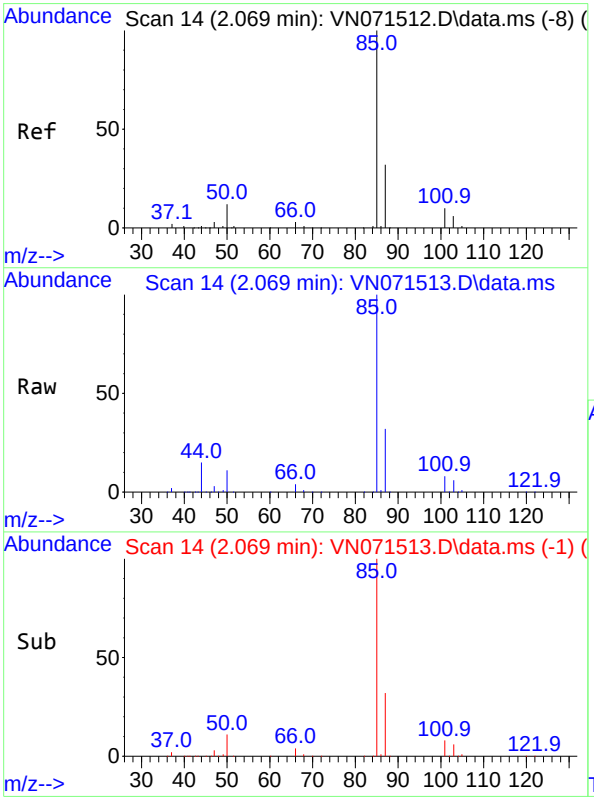
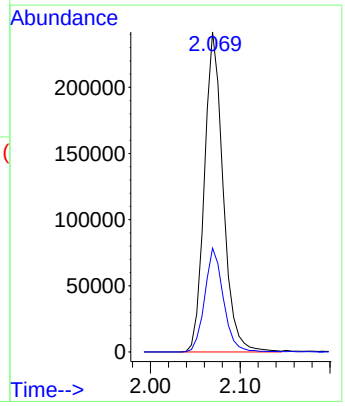
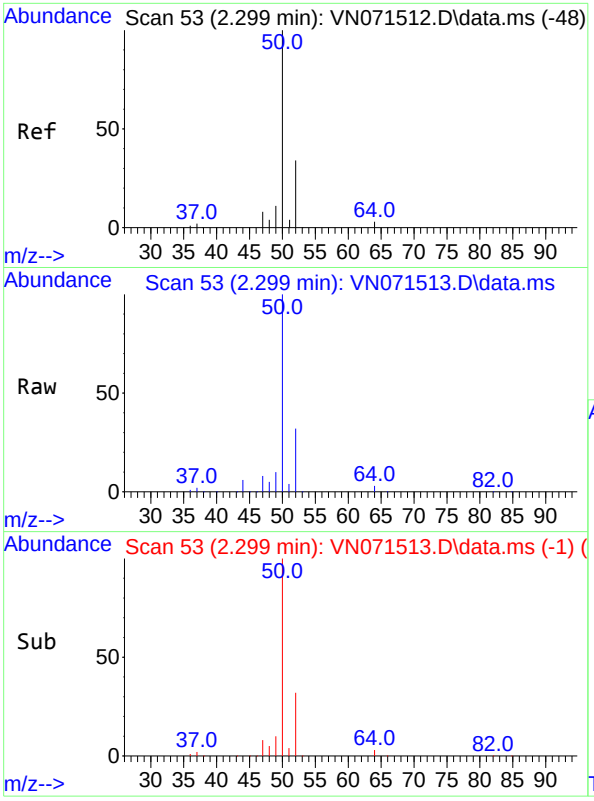


#2
Dichlorodifluoromethane
Concen: 50.431 ug/l
RT: 2.069 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 85 Resp: 349862

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.7

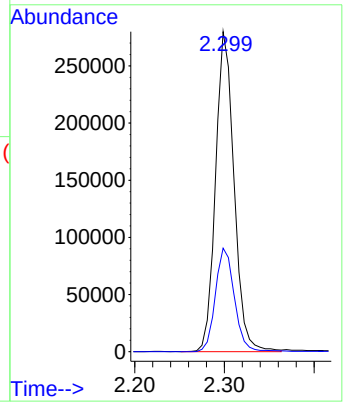




#3
Chloromethane
Concen: 44.572 ug/l
RT: 2.299 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 50 Resp: 40073

Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.8	41.6



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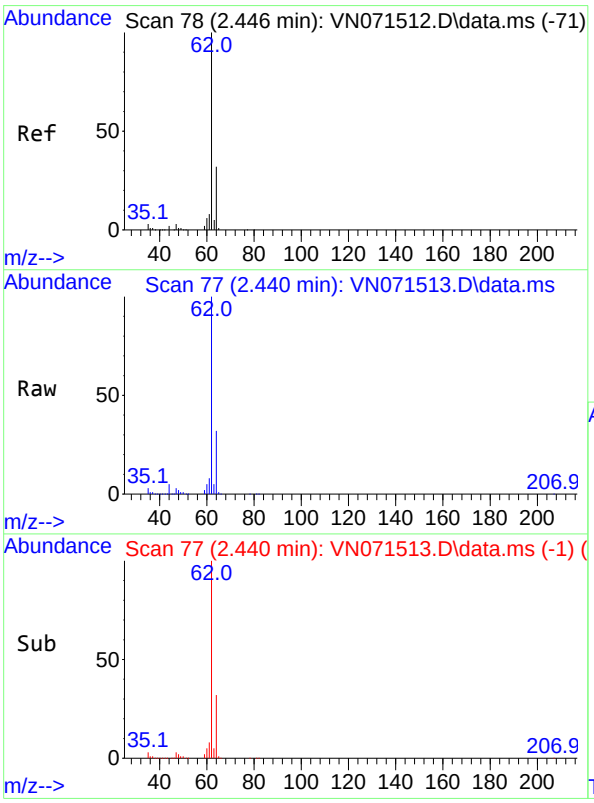
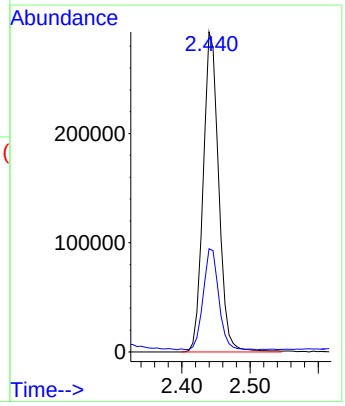
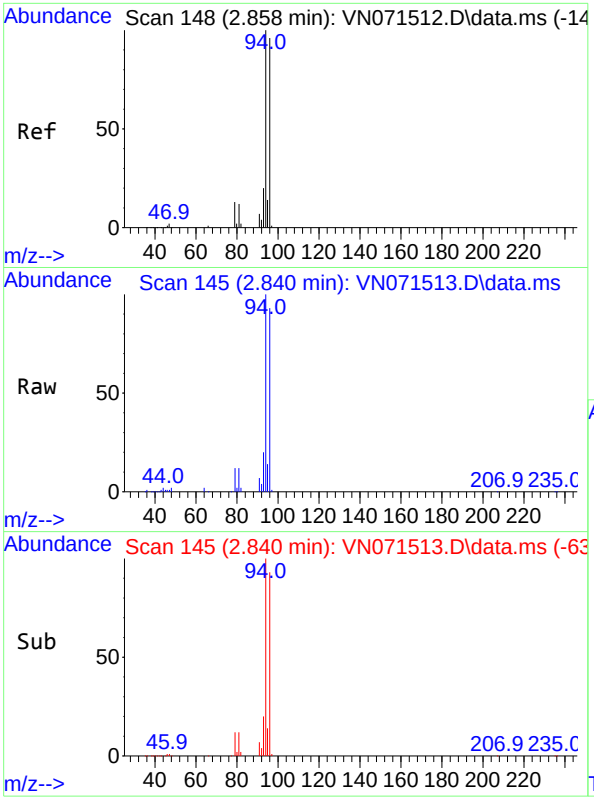


#4
Vinyl Chloride
Concen: 54.015 ug/l
RT: 2.440 min Scan# 77
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 62 Resp: 463987

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.1	37.7

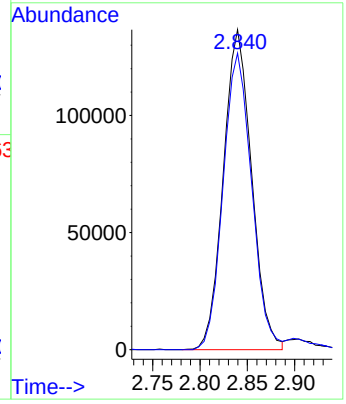




#5
Bromomethane
Concen: 62.741 ug/l
RT: 2.840 min Scan# 14
Delta R.T. -0.018 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 94 Resp: 28429

Ion	Ratio	Lower	Upper
94	100		
96	92.7	75.2	112.8



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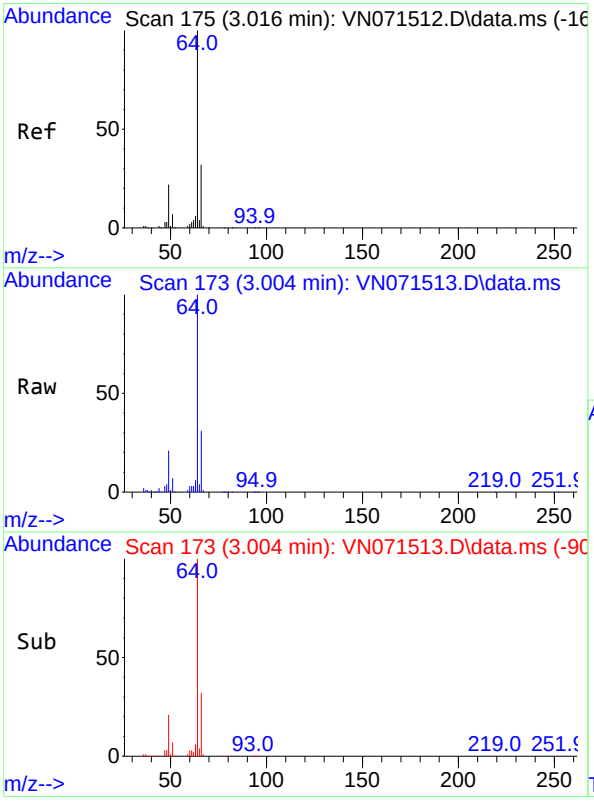
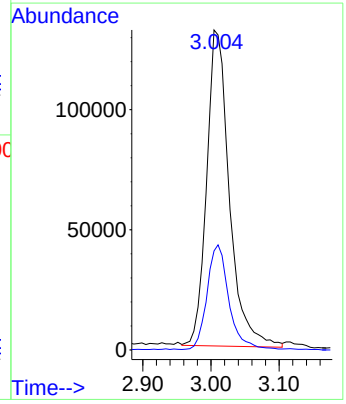
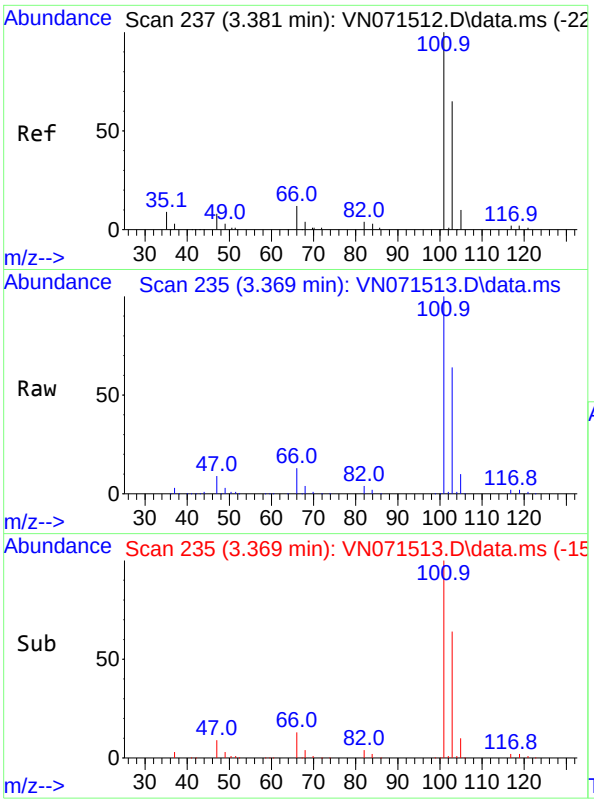


#6
Chloroethane
Concen: 57.961 ug/l
RT: 3.004 min Scan# 173
Delta R.T. -0.012 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 64 Resp: 305463

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.6	36.8





#7
Trichlorofluoromethane
Concen: 49.677 ug/l
RT: 3.369 min Scan# 2
Delta R.T. -0.012 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:101 Resp: 53155

Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.1	75.1

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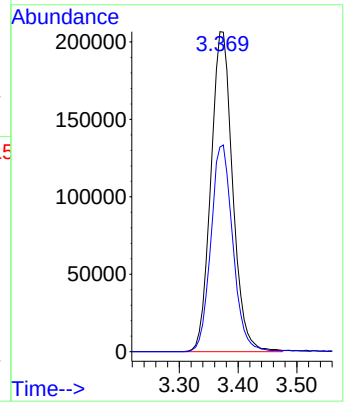
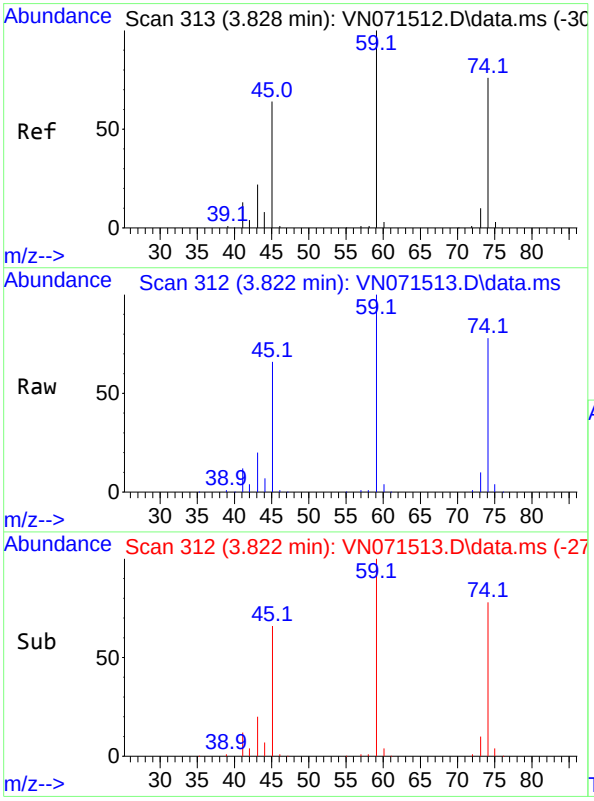
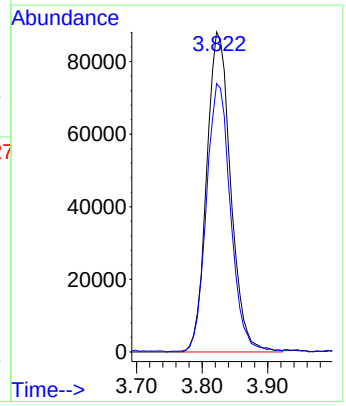


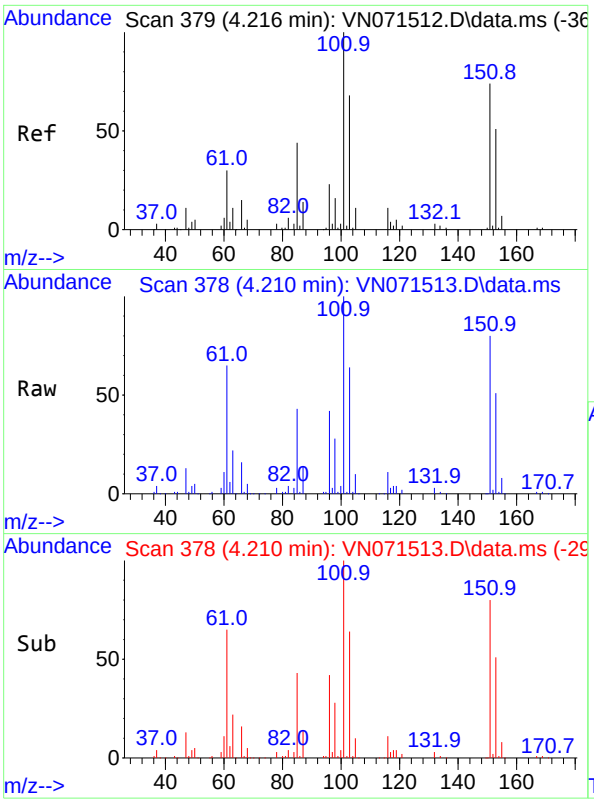


#8
Diethyl Ether
Concen: 48.376 ug/l
RT: 3.822 min Scan# 312
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 74 Resp: 224688

Ion	Ratio	Lower	Upper
74	100		
45	83.8	17.6	158.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.137 ug/l
RT: 4.210 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:101 Resp: 31935

Ion	Ratio	Lower	Upper
101	100		
85	43.0	0.0	94.0
151	80.4	0.0	74.6

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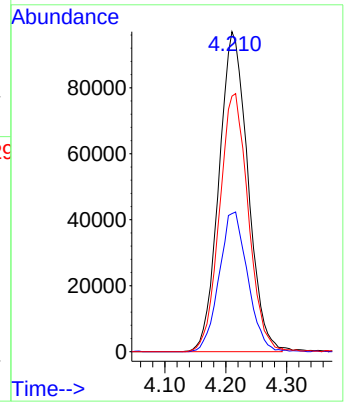
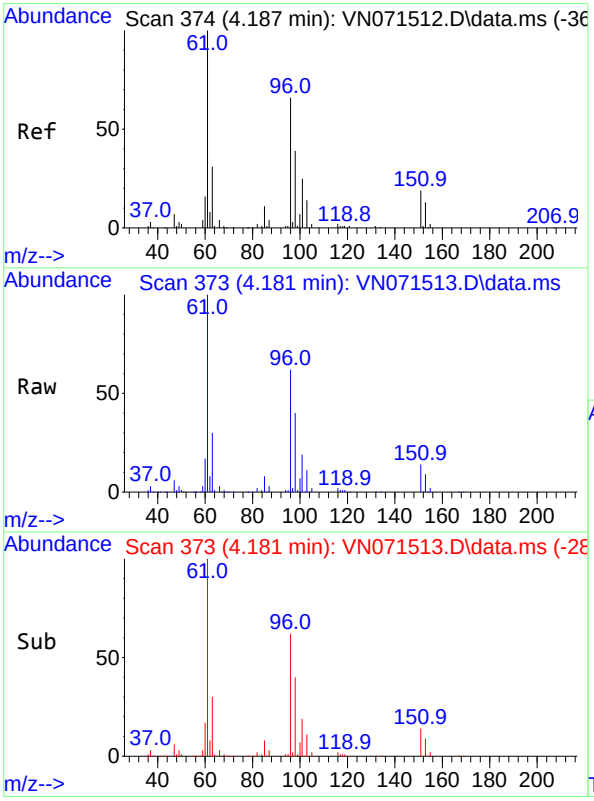
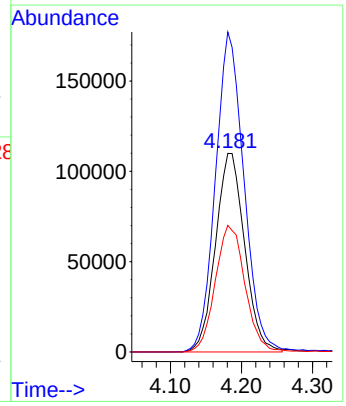


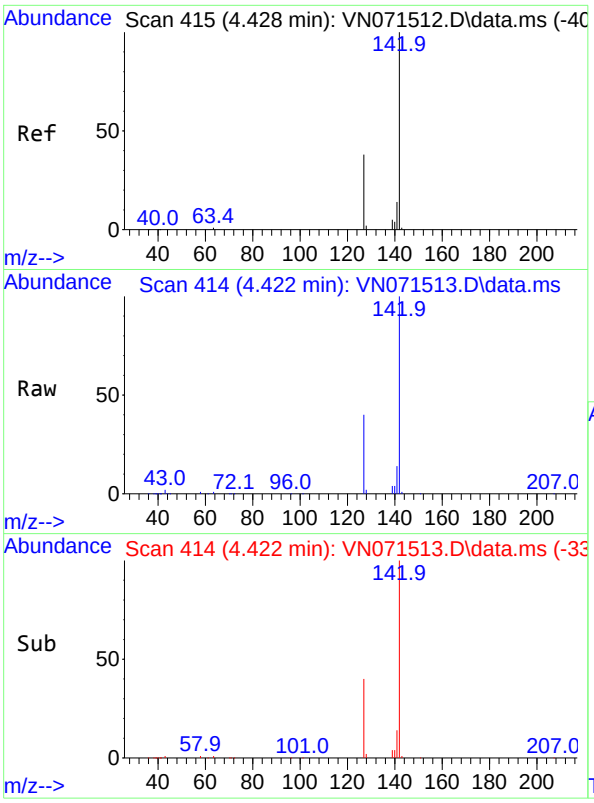


#10
1,1-Dichloroethene
Concen: 50.628 ug/l
RT: 4.181 min Scan# 373
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 96 Resp: 312490

Ion	Ratio	Lower	Upper
96	100		
61	161.2	126.2	189.4
98	63.7	50.9	76.3

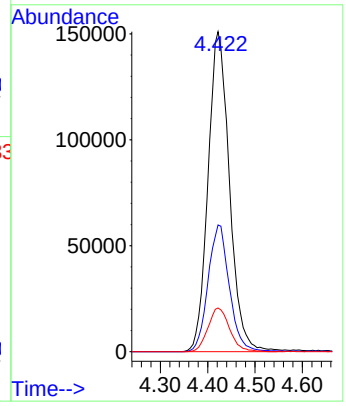




#11
Methyl Iodide
Concen: 55.044 ug/l
RT: 4.422 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:142 Resp: 47509

Ion	Ratio	Lower	Upper
142	100		
127	39.6	24.0	72.0
141	13.7	8.4	25.2



Instrument :
MSVOA_N
ClientSampleId :
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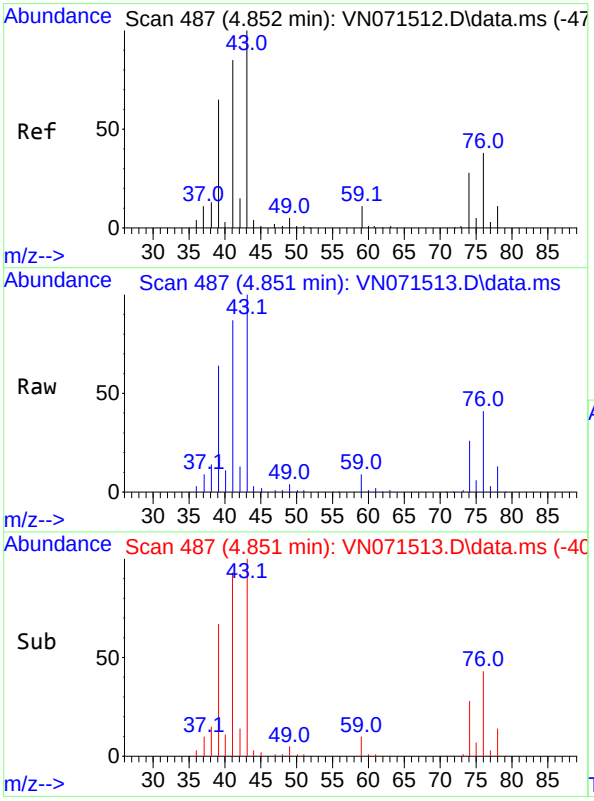
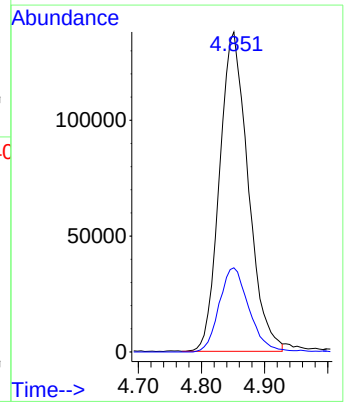
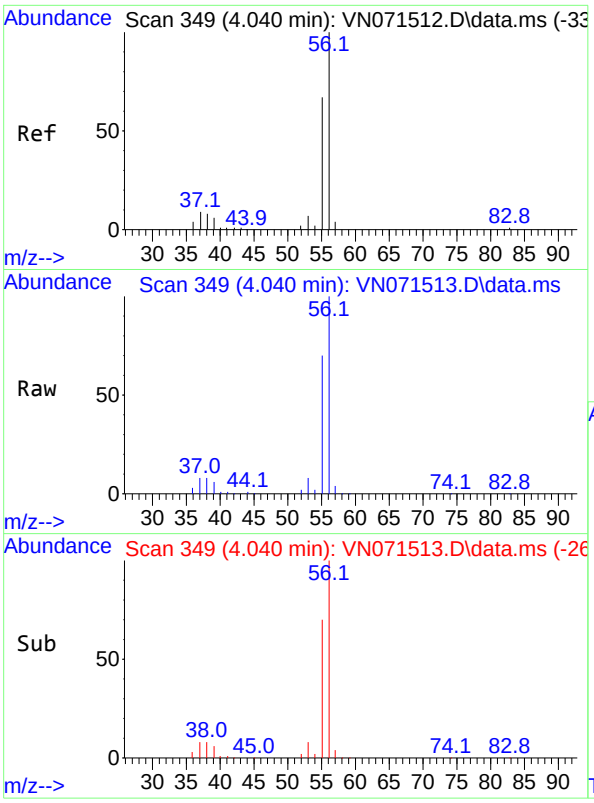


#12
Methyl Acetate
Concen: 38.709 ug/l
RT: 4.851 min Scan# 487
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 433648

Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.8	31.2

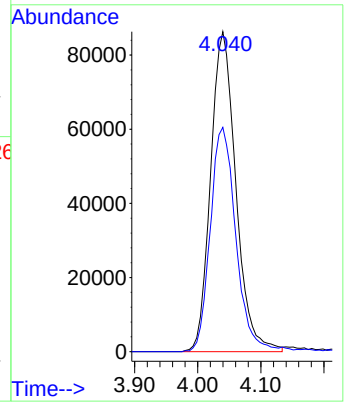




#13
Acrolein
Concen: 169.544 ug/l
RT: 4.040 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 56 Resp: 23972

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.6	86.4



Instrument :
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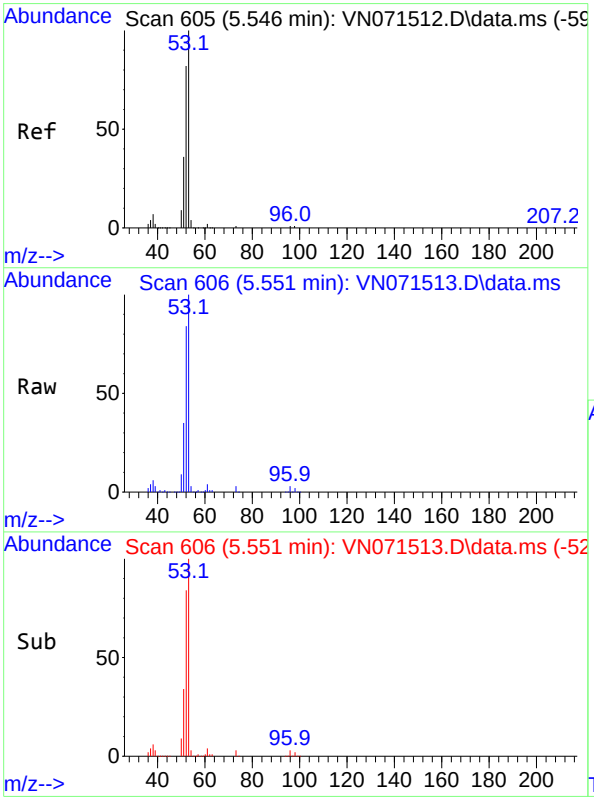
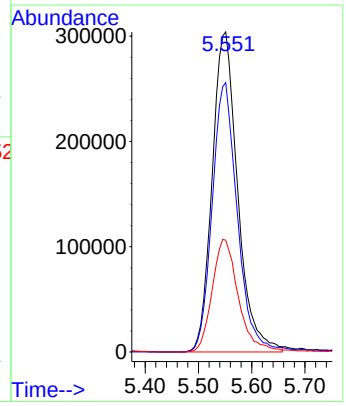
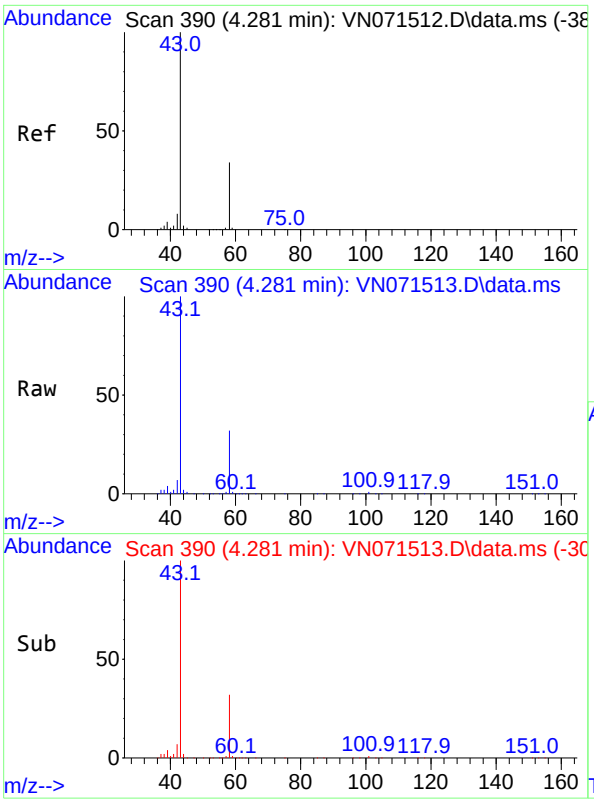


#14
Acrylonitrile
Concen: 214.163 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 53 Resp: 1011746

Ion	Ratio	Lower	Upper
53	100		
52	83.1	41.8	125.4
51	36.0	19.0	57.0

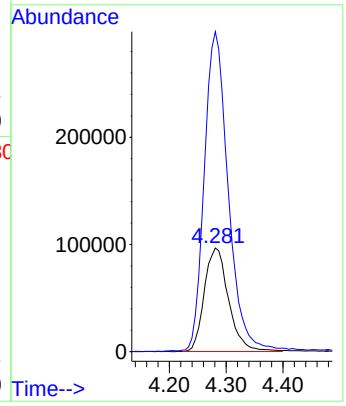




#15
Acetone
Concen: 223.532 ug/l
RT: 4.281 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 58 Resp: 28504

Ion	Ratio	Lower	Upper
58	100		
43	307.9	256.6	384.8



Instrument :
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ClientSampleId :
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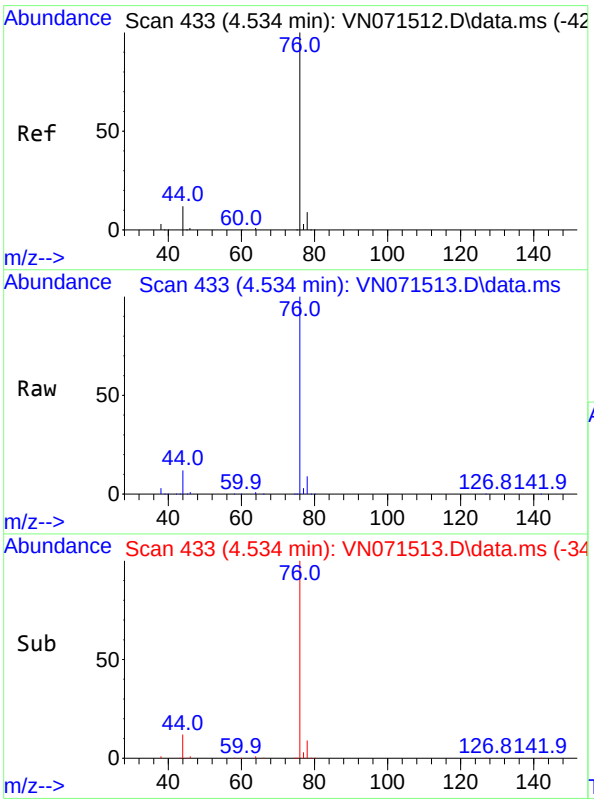
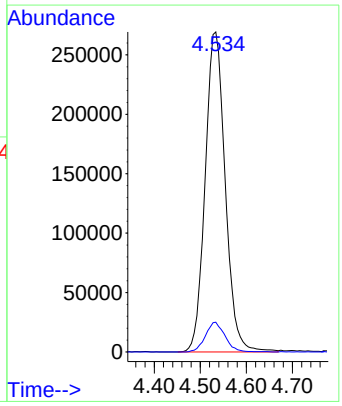
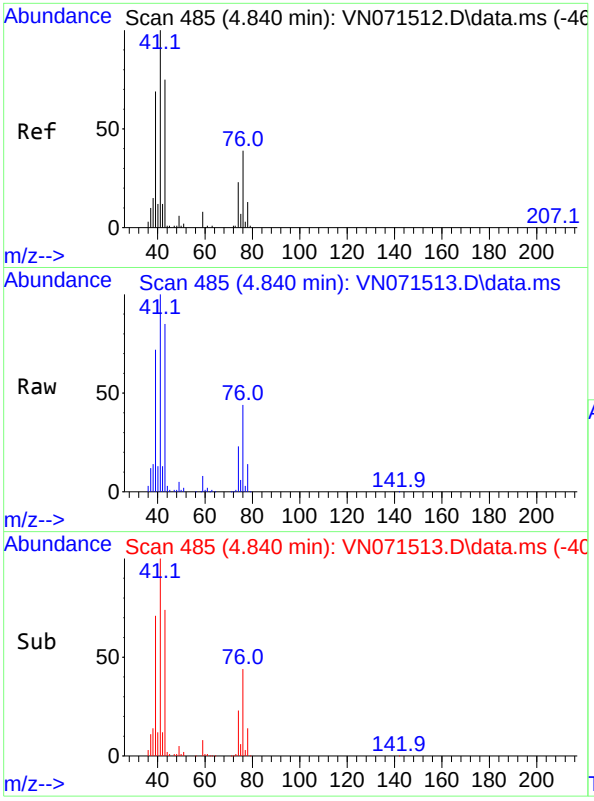


#16
Carbon Disulfide
Concen: 49.247 ug/l
RT: 4.534 min Scan# 433
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 76 Resp: 817288

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.8

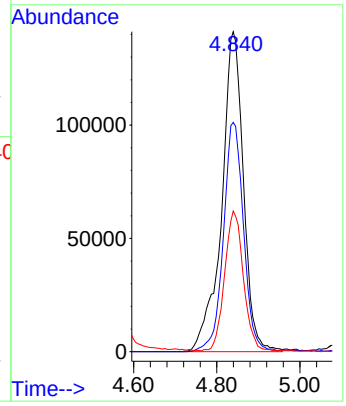




#17
Allyl chloride
Concen: 42.272 ug/l
RT: 4.840 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 41 Resp: 51385

Ion	Ratio	Lower	Upper
41	100		
39	71.7	44.6	134.0
76	43.7	19.6	58.7



Instrument :
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ClientSampleId :
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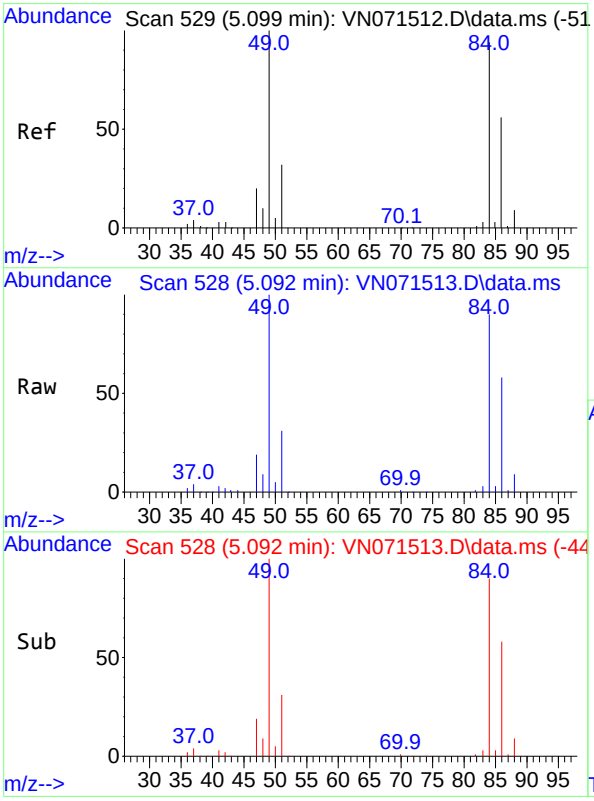
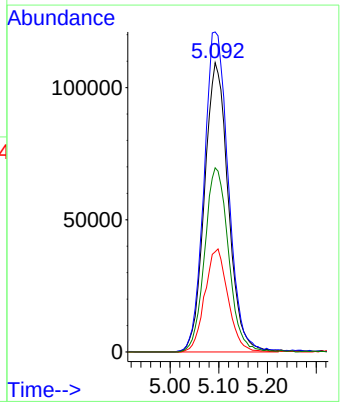
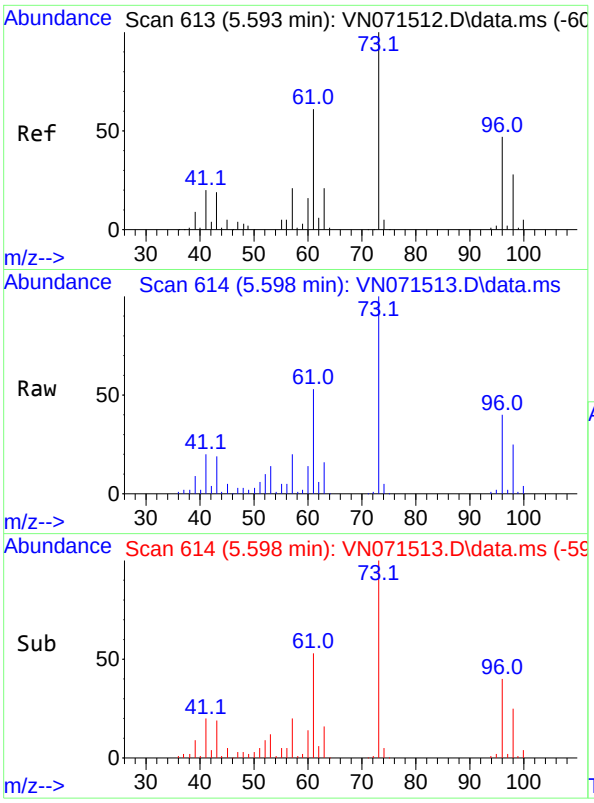


#18
Methylene Chloride
Concen: 49.502 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 84 Resp: 371061

Ion	Ratio	Lower	Upper
84	100		
49	110.3	91.4	137.0
51	34.6	29.4	44.0
86	63.7	51.1	76.7

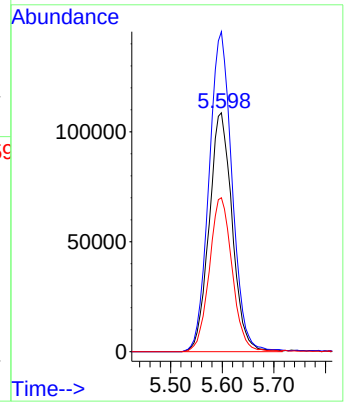




#19
trans-1,2-Dichloroethene
Concen: 51.743 ug/l
RT: 5.598 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 96 Resp: 33676

Ion	Ratio	Lower	Upper
96	100		
61	134.0	102.8	154.2
98	64.4	49.3	73.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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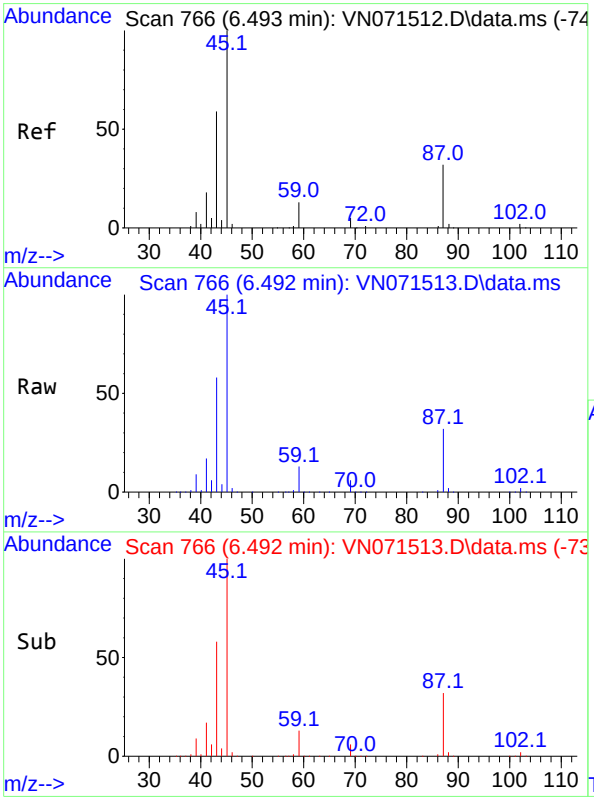
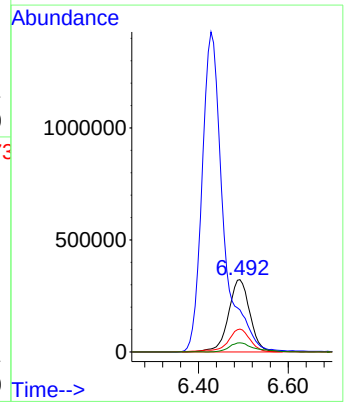
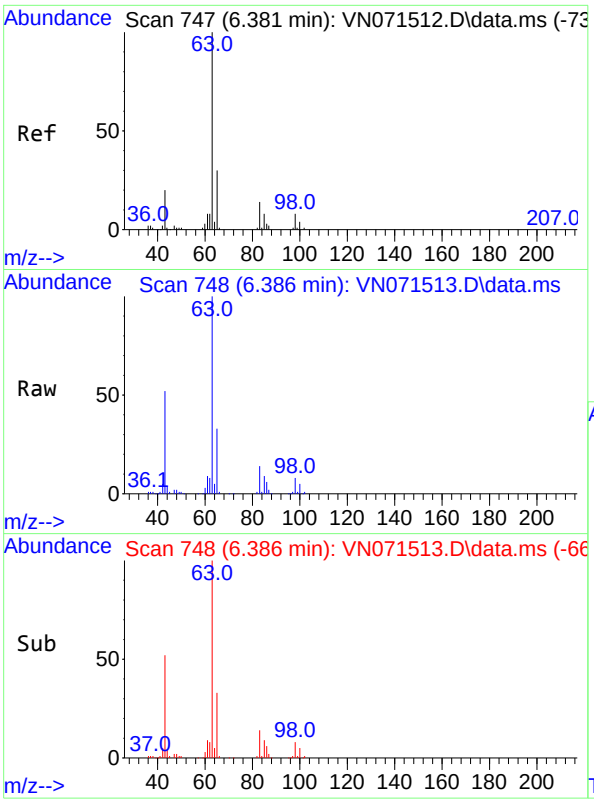


#20
Diisopropyl ether
Concen: 43.079 ug/l
RT: 6.492 min Scan# 766
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 45 Resp: 1071066

Ion	Ratio	Lower	Upper
45	100		
43	57.5	51.0	76.4
87	31.4	25.0	37.4
59	12.4	8.7	13.1

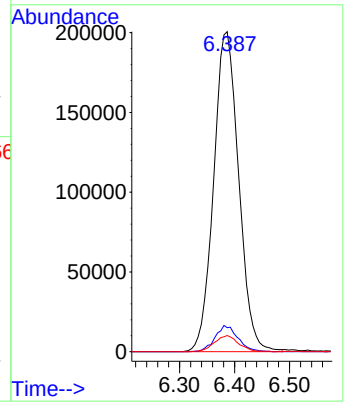




#21
1,1-Dichloroethane
Concen: 47.476 ug/l
RT: 6.386 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 63 Resp: 63500

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.2	9.6
100	5.0	2.1	6.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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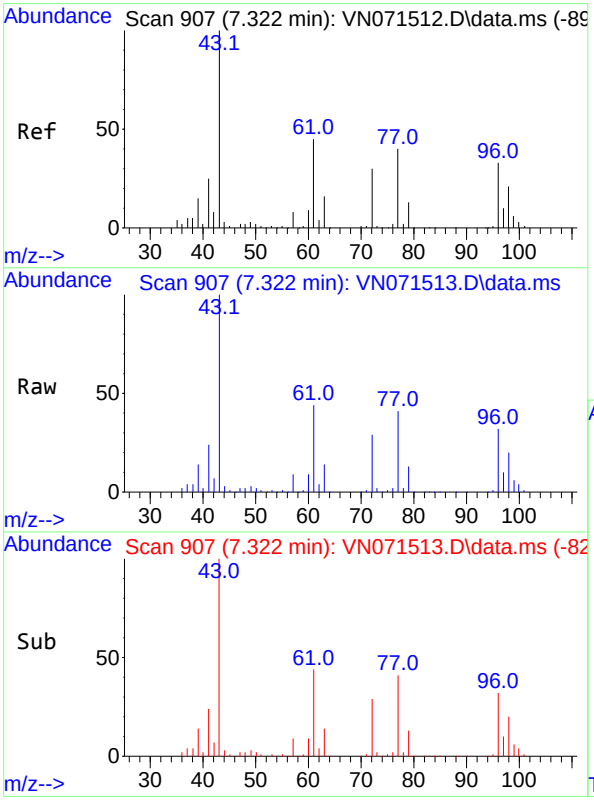
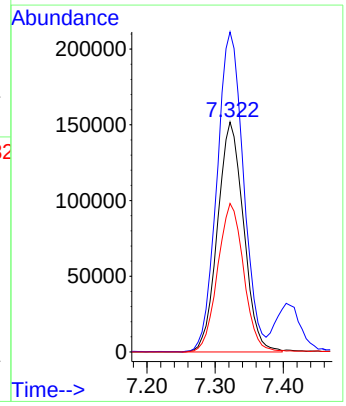
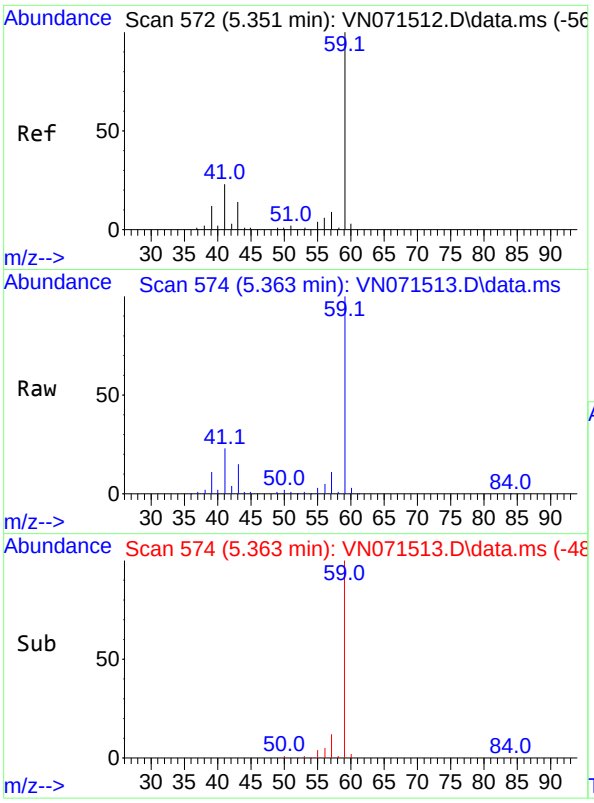


#22
cis-1,2-Dichloroethene
Concen: 51.105 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 96 Resp: 403845

Ion	Ratio	Lower	Upper
96	100		
61	142.1	115.7	173.5
98	64.7	51.6	77.4

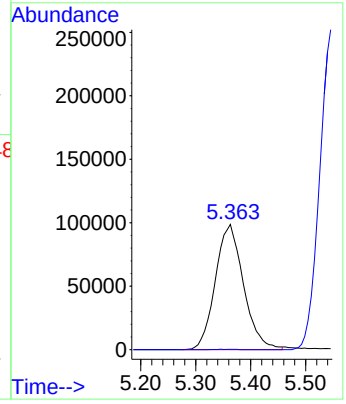




#23
tert-Butyl Alcohol
Concen: 202.513 ug/l
RT: 5.363 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 59 Resp: 35147

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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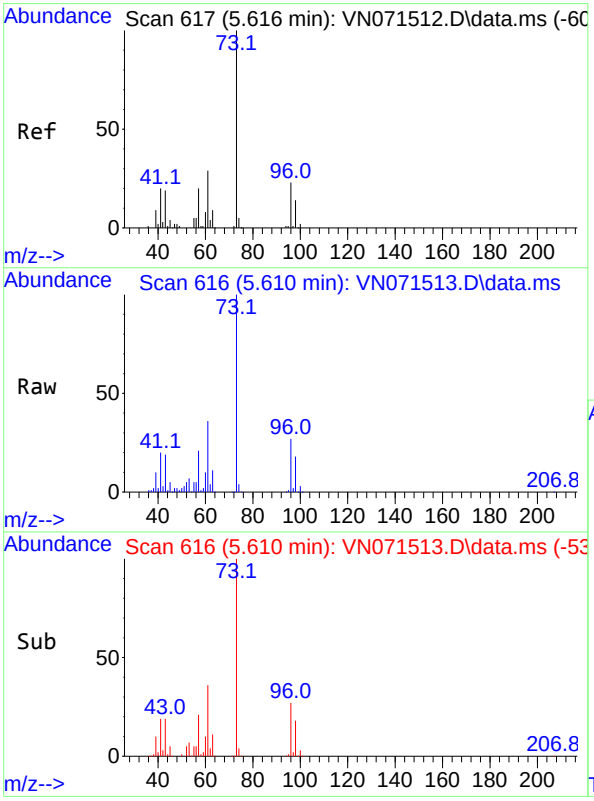
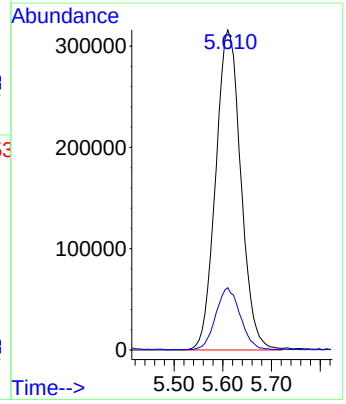
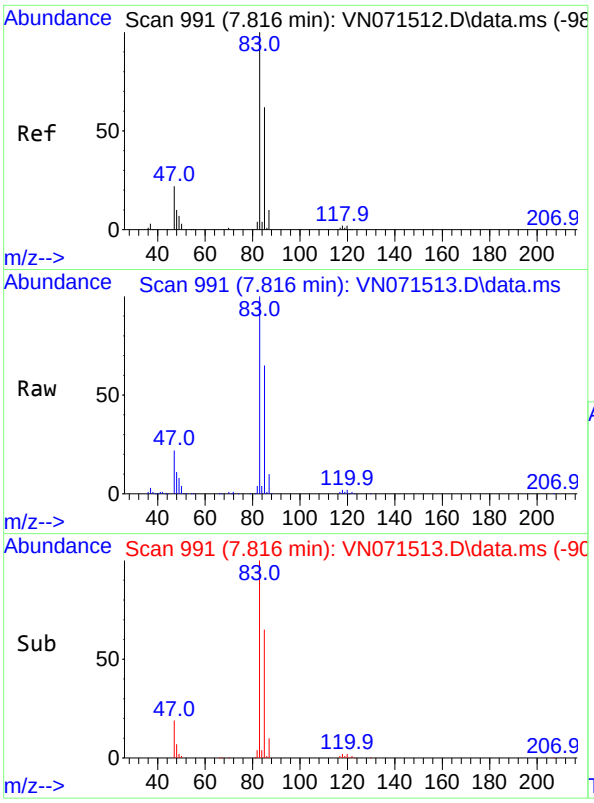


#24
Methyl tert-Butyl Ether
Concen: 48.513 ug/l
RT: 5.610 min Scan# 616
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 73 Resp: 1132508

Ion	Ratio	Lower	Upper
73	100		
43	18.8	18.1	27.1





#25
Chloroform
Concen: 49.641 ug/l
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 83 Resp: 64496

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.3	76.9

Instrument :
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ClientSampleId :
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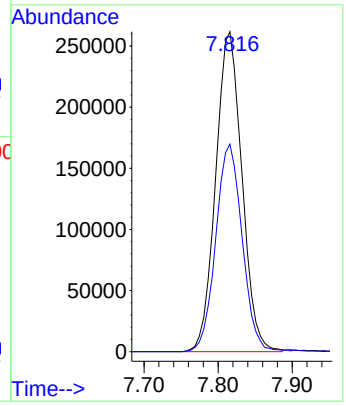
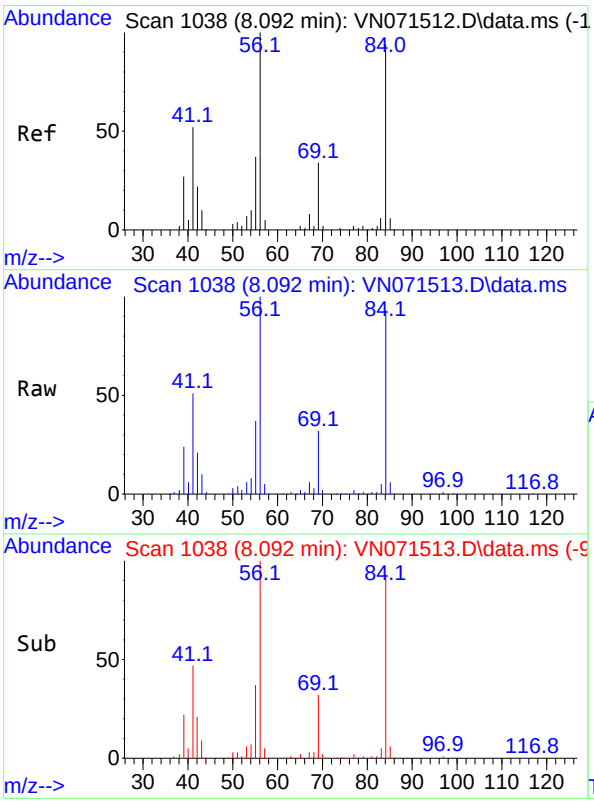
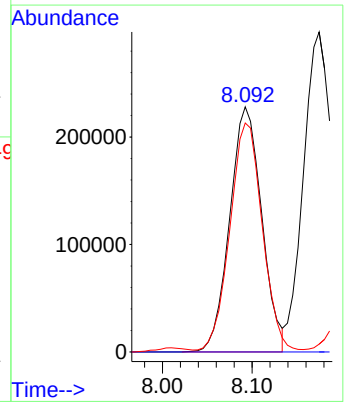


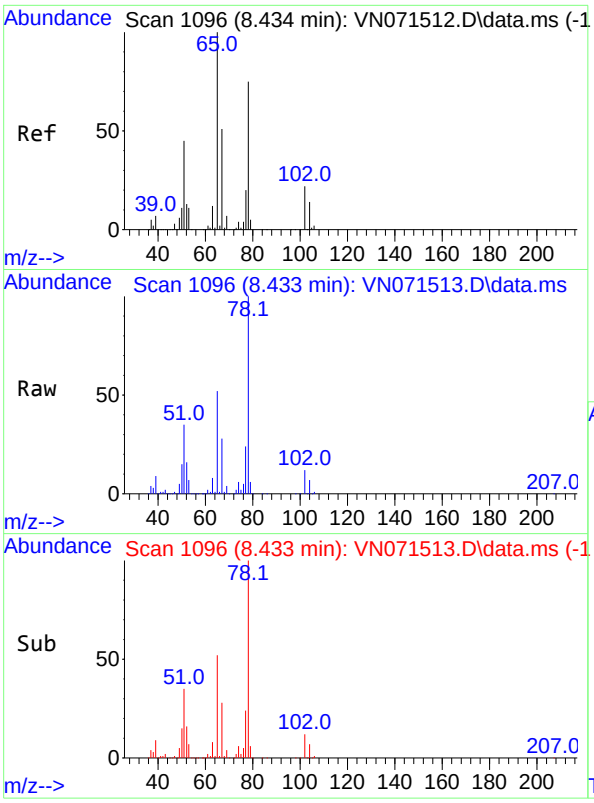


#26
Cyclohexane
Concen: 46.919 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 56 Resp: 565731

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	95.1	74.6	111.8





#27
1,2-Dichloroethane-d4
Concen: 27.765 ug/l
RT: 8.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 65 Resp: 23242

Ion	Ratio	Lower	Upper
65	100		
67	52.6	40.2	60.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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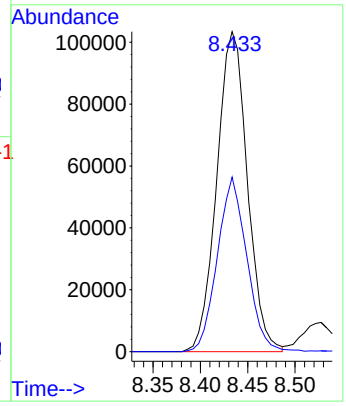
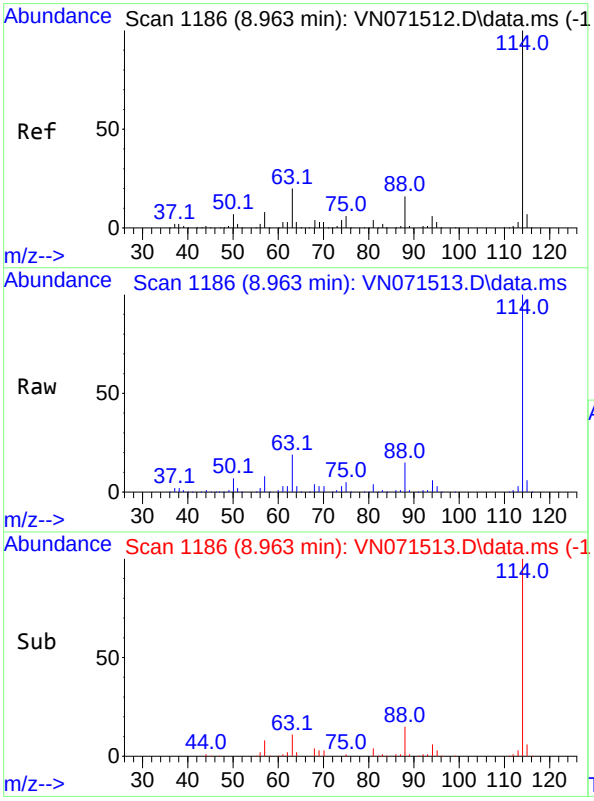
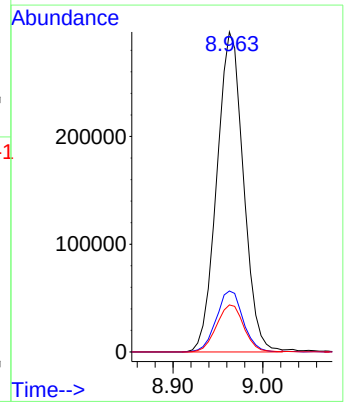


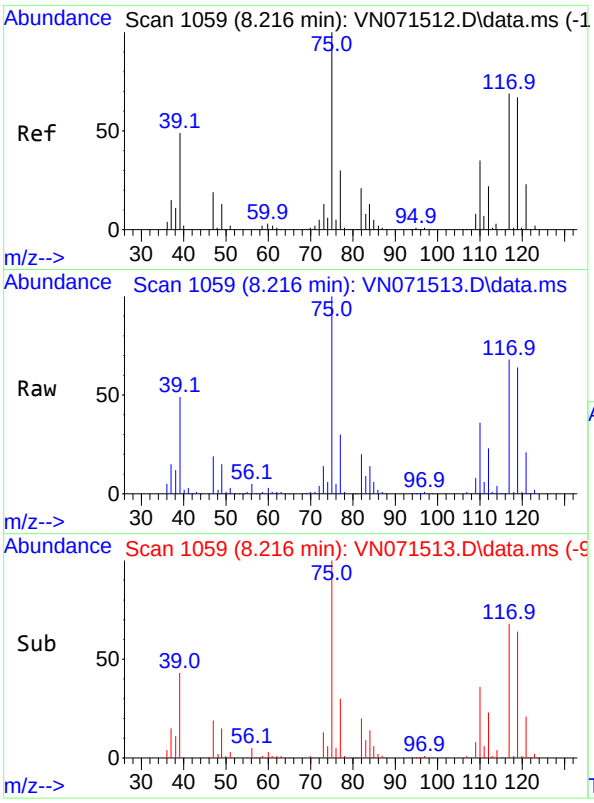


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:114 Resp: 611020

Ion	Ratio	Lower	Upper
114	100		
63	19.2	15.8	23.6
88	15.1	11.6	17.4

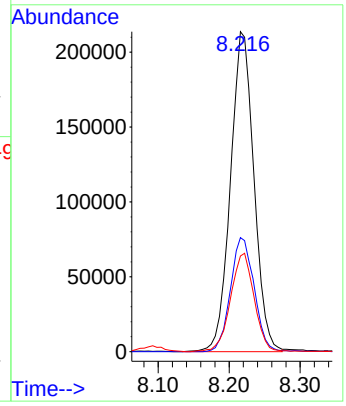




#29
1,1-Dichloropropene
Concen: 49.958 ug/l
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 75 Resp: 49069

Ion	Ratio	Lower	Upper
75	100		
110	36.0	0.0	74.2
77	31.0	0.0	63.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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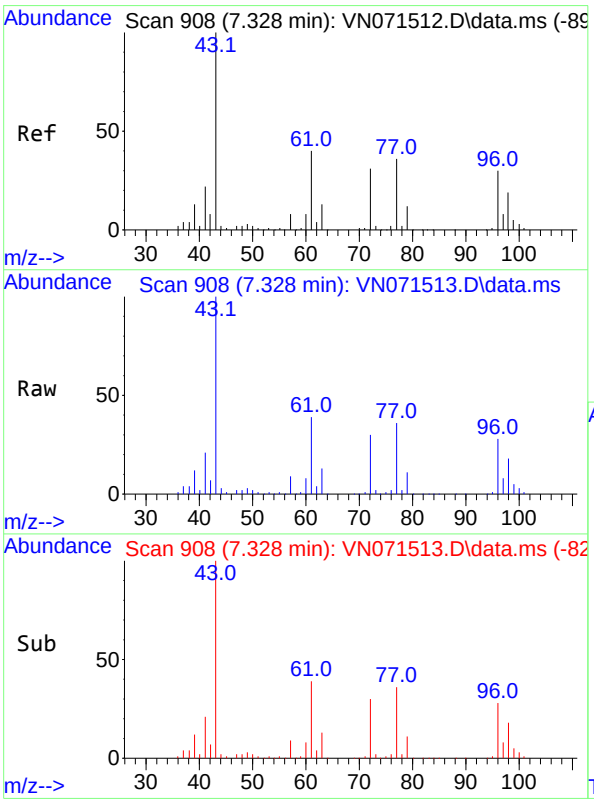
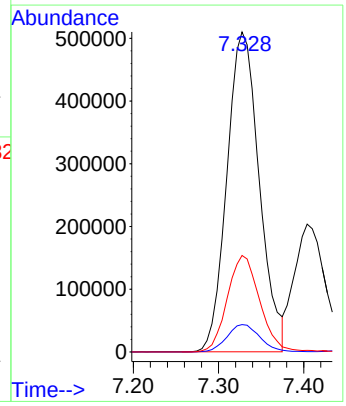
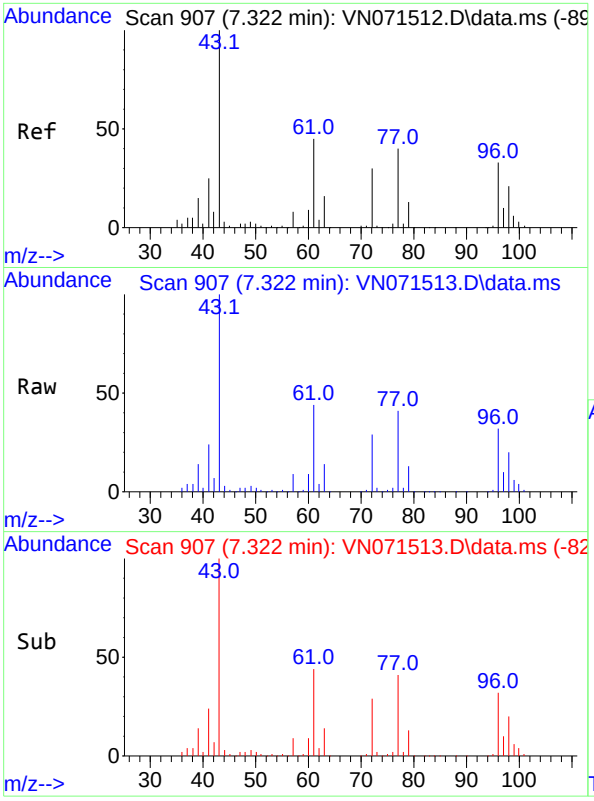


#30
2-Butanone
Concen: 201.887 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 1347051

Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.7	10.1
72	30.0	23.2	34.8





#31
2,2-Dichloropropane
Concen: 57.789 ug/l
RT: 7.322 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 77 Resp: 55271

Ion	Ratio	Lower	Upper
77	100		
97	23.1	18.3	27.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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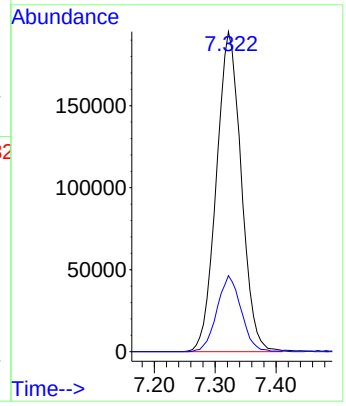
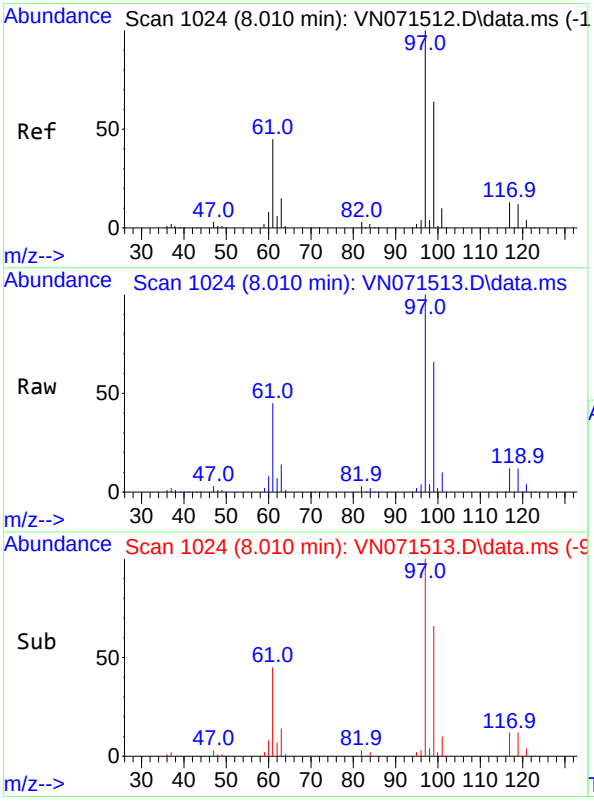
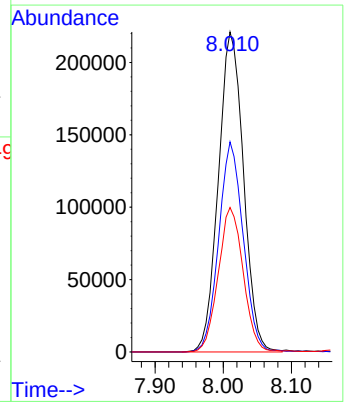


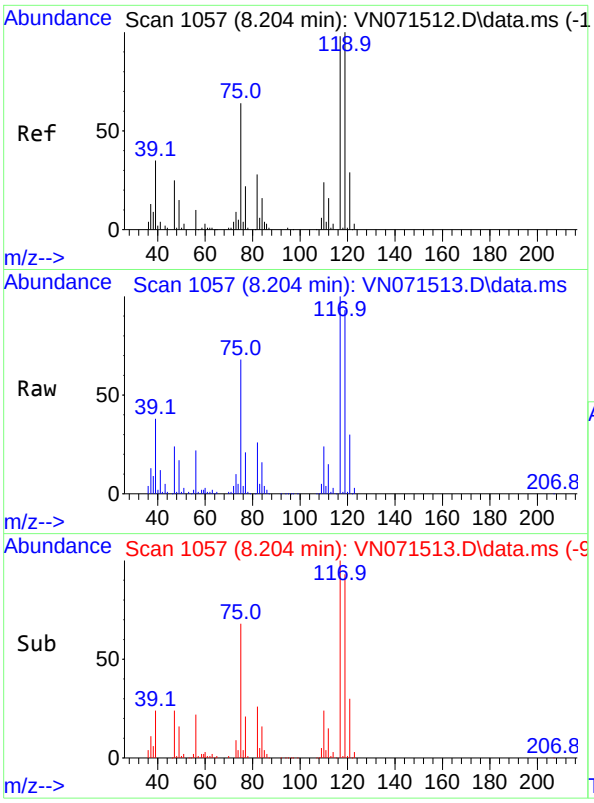


#32
1,1,1-Trichloroethane
Concen: 49.583 ug/l
RT: 8.010 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 97 Resp: 566548

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.4	75.6
61	44.8	34.6	51.8

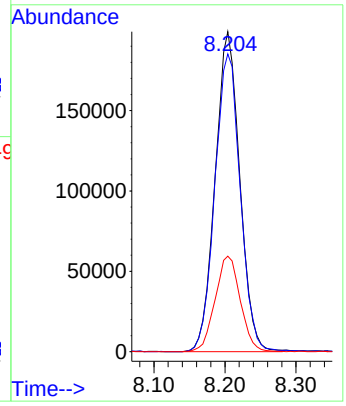




#33
Carbon Tetrachloride
Concen: 49.150 ug/l
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:117 Resp: 47797

Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.5	116.3
121	29.8	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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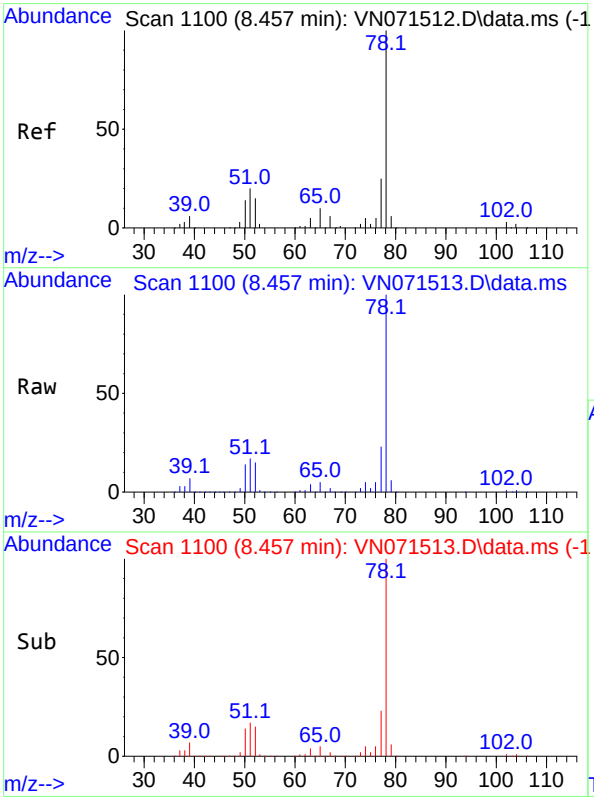
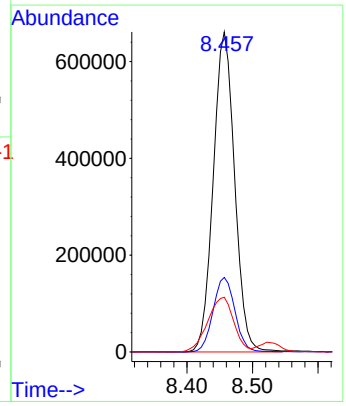
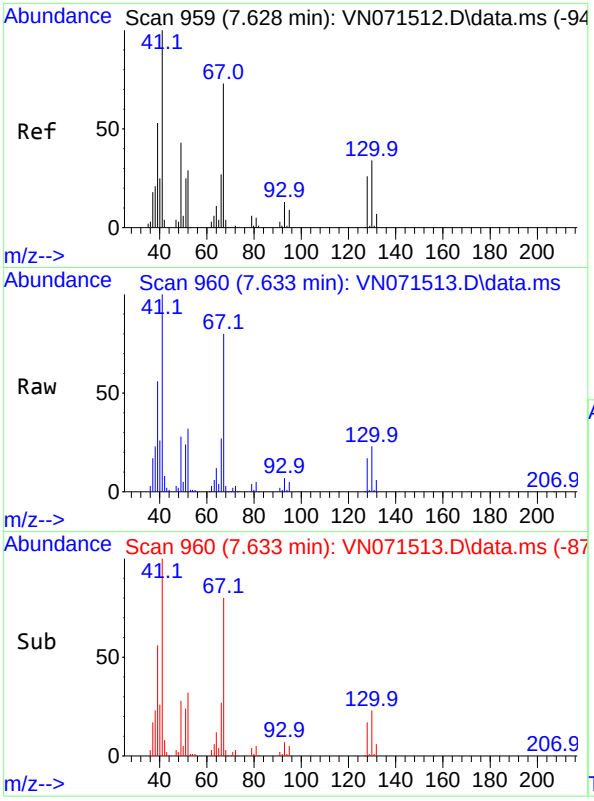


#34
Benzene
Concen: 49.143 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 78 Resp: 1495674

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7
51	17.0	16.0	24.0

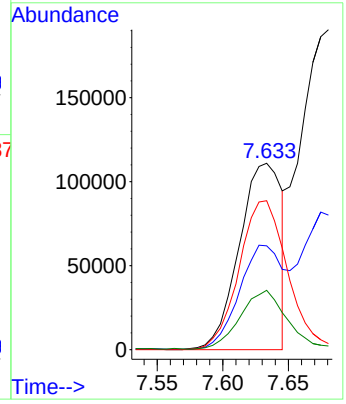




#35
Methacrylonitrile
Concen: 38.517 ug/l
RT: 7.633 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 41 Resp: 24932

Ion	Ratio	Lower	Upper
41	100		
39	55.4	28.0	83.9
67	79.9	37.7	113.1
52	31.4	17.1	51.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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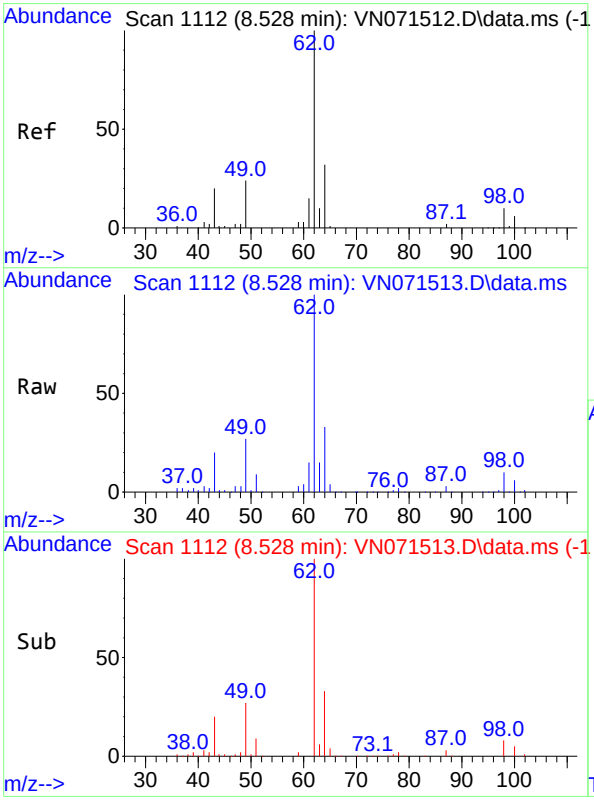
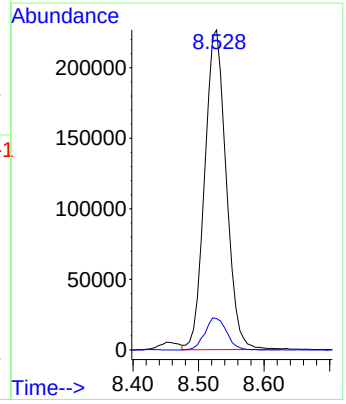
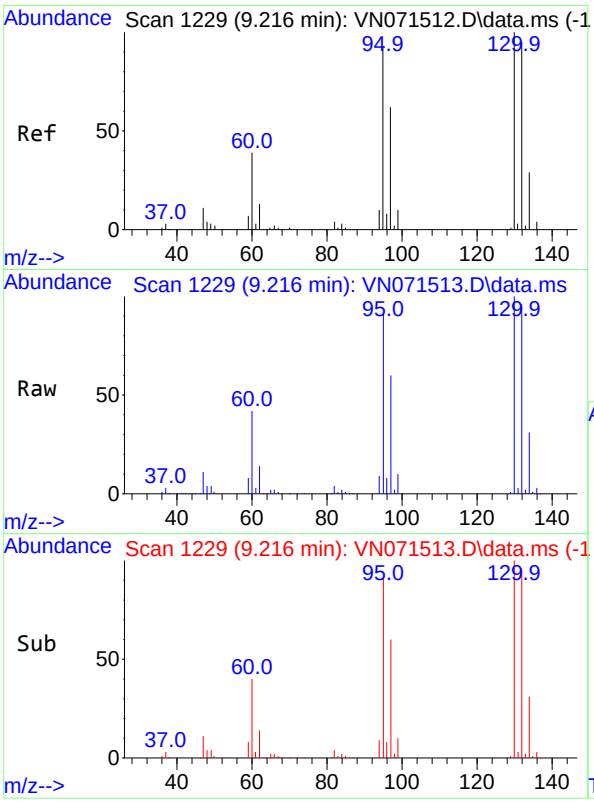


#36
1,2-Dichloroethane
Concen: 47.779 ug/l
RT: 8.528 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 62 Resp: 516190

Ion	Ratio	Lower	Upper
62	100		
98	10.2	6.6	10.0#





#37
Trichloroethene
Concen: 52.263 ug/l
RT: 9.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:130 Resp: 38549

Ion	Ratio	Lower	Upper
130	100		
95	91.3	76.6	115.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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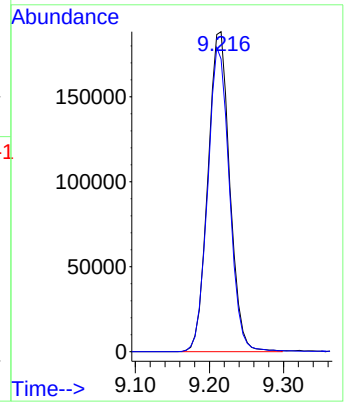
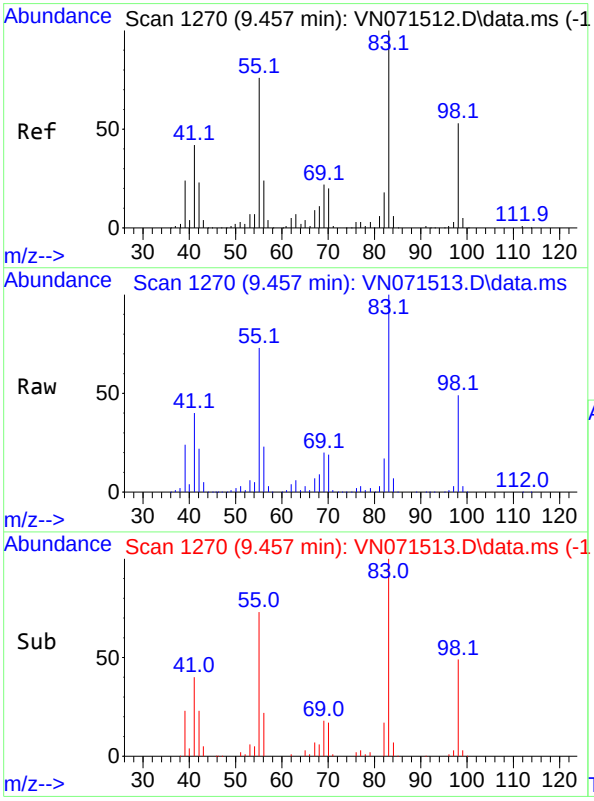
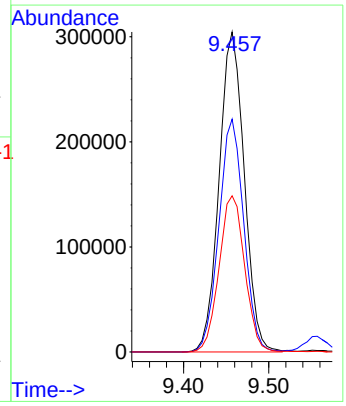


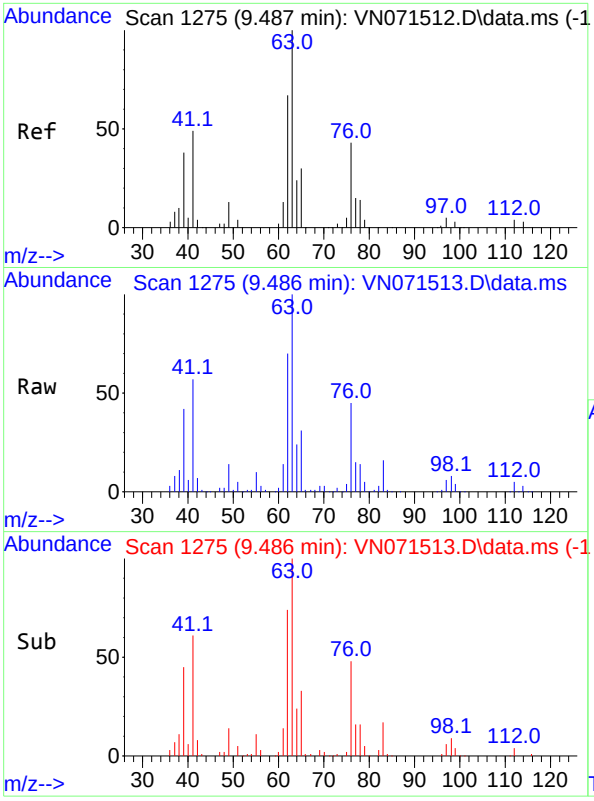


#38
Methylcyclohexane
Concen: 52.288 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 83 Resp: 624324

Ion	Ratio	Lower	Upper
83	100		
55	72.0	35.1	105.3
98	50.0	23.4	70.2





#39
1,2-Dichloropropane
Concen: 46.893 ug/l
RT: 9.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 63 Resp: 37375

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.2	36.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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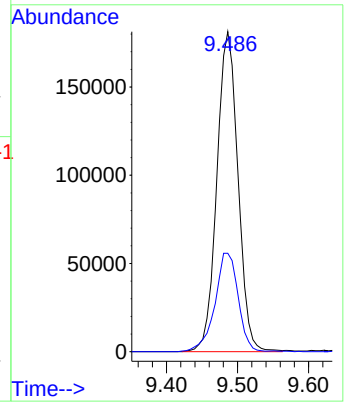
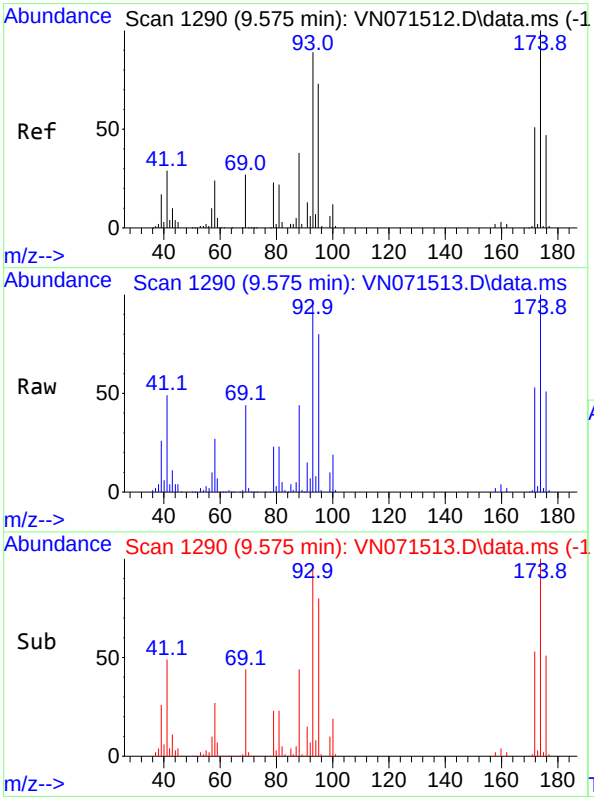
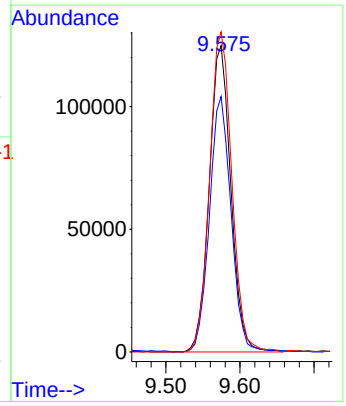


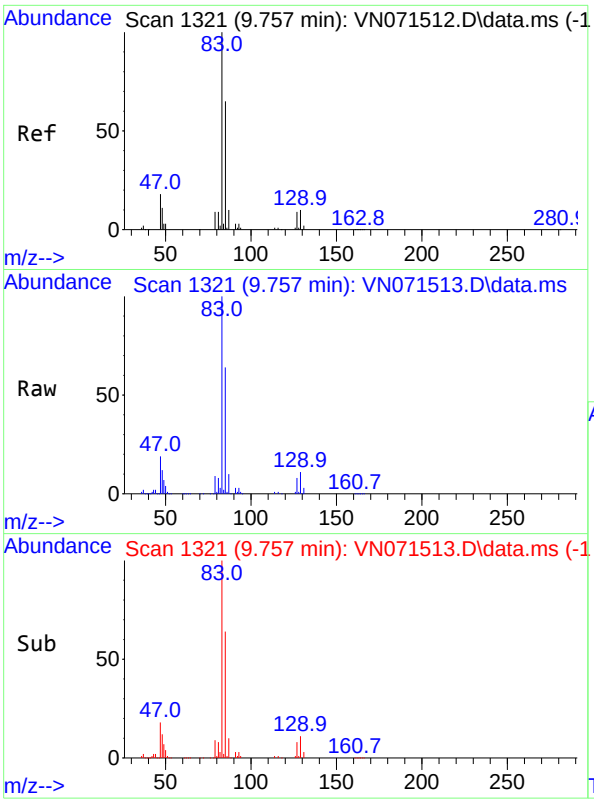


#40
Dibromomethane
Concen: 49.685 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 93 Resp: 254012

Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	168.8
174	106.5	0.0	173.6

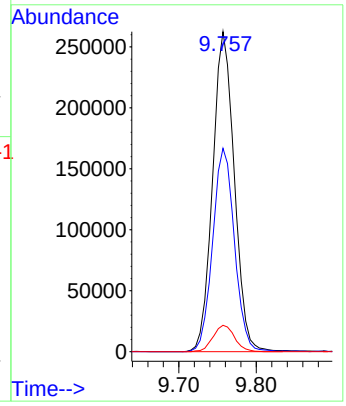




#41
Bromodichloromethane
Concen: 49.614 ug/l
RT: 9.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 83 Resp: 50993

Ion	Ratio	Lower	Upper
83	100		
85	63.5	54.1	81.1
127	8.3	7.6	11.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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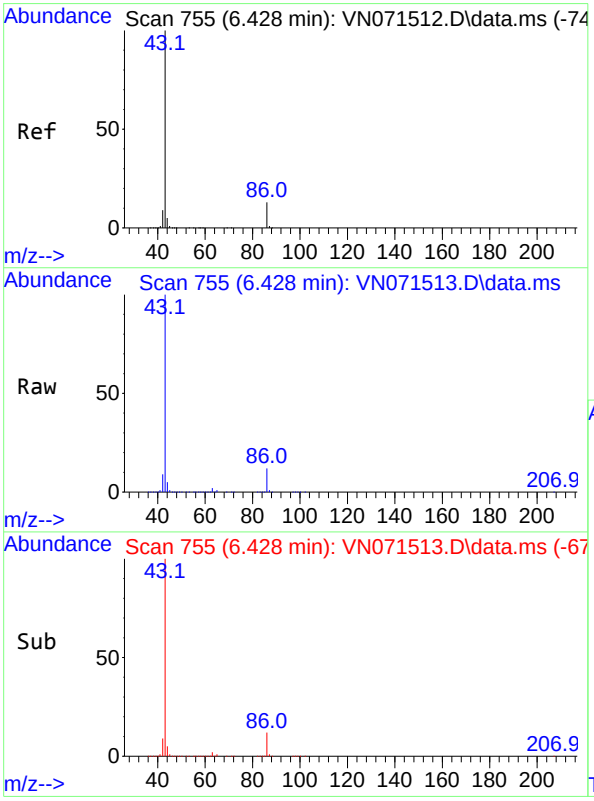
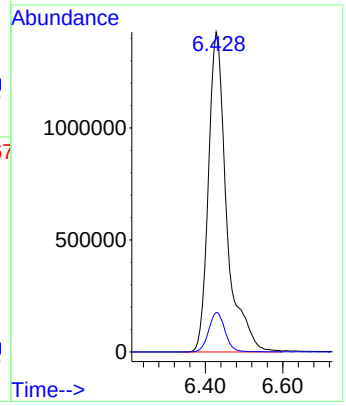
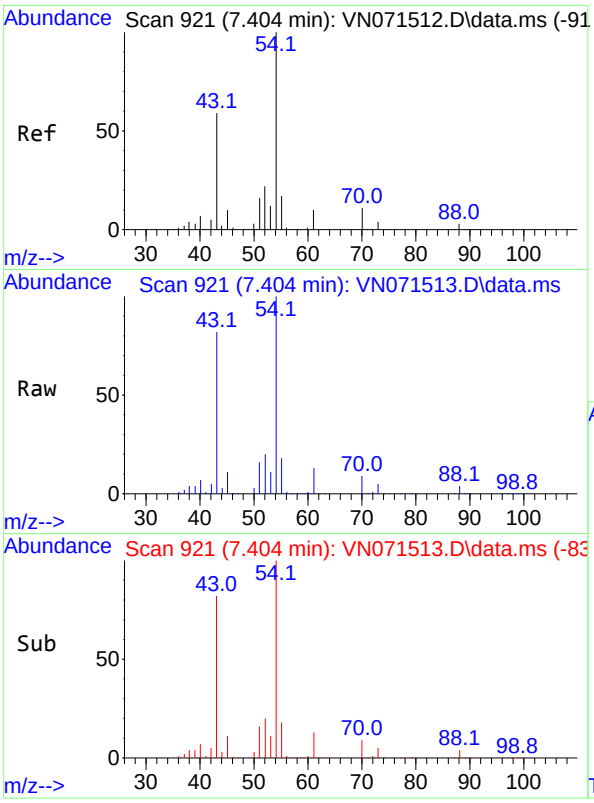


#42
Vinyl Acetate
Concen: 213.202 ug/l
RT: 6.428 min Scan# 755
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 4667682

Ion	Ratio	Lower	Upper
43	100		
86	11.1	7.5	11.3





#43
Ethyl Acetate
Concen: 40.329 ug/l
RT: 7.404 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 52371

Ion	Ratio	Lower	Upper
43	100		
45	12.9	10.6	16.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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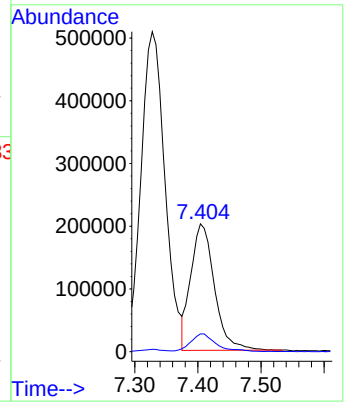
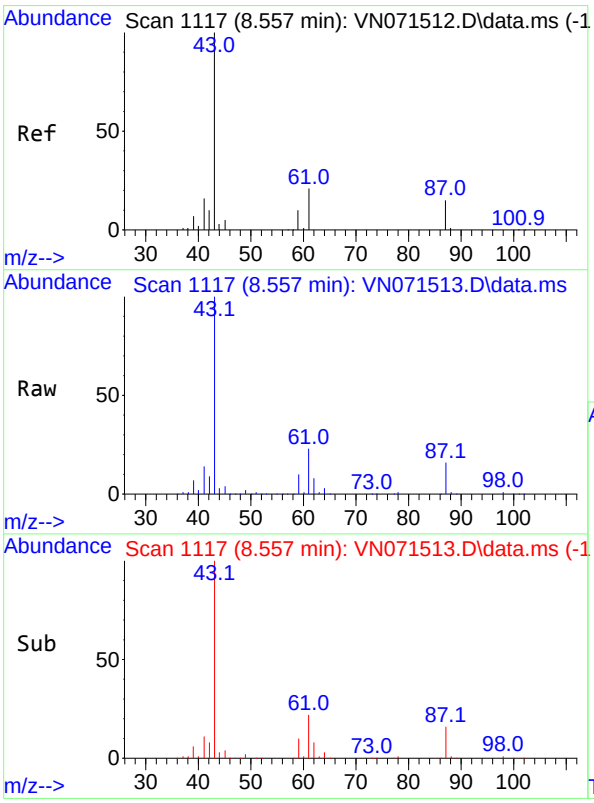
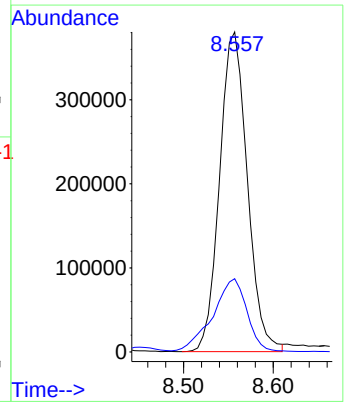


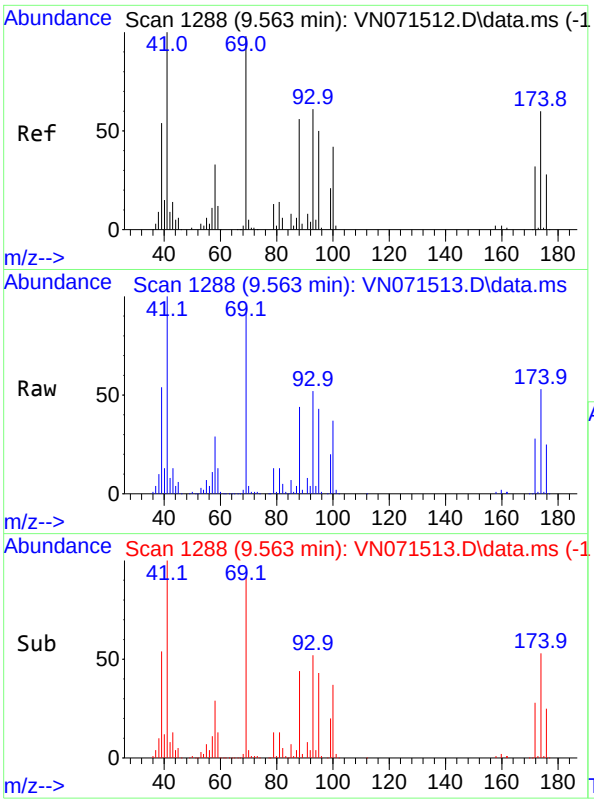


#44
Isopropyl Acetate
Concen: 39.267 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 816275

Ion	Ratio	Lower	Upper
43	100		
61	28.6	20.1	30.1





#45
1,4-Dioxane
Concen: 890.380 ug/l
RT: 9.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 88 Resp: 16892

Ion	Ratio	Lower	Upper
88	100		
43	26.9	25.0	37.6
58	64.3	49.4	74.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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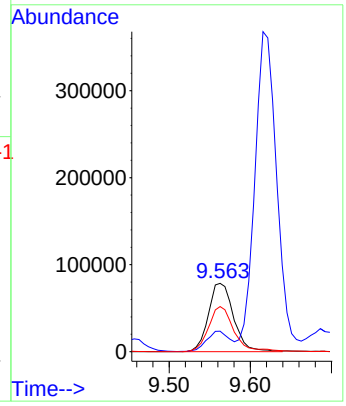
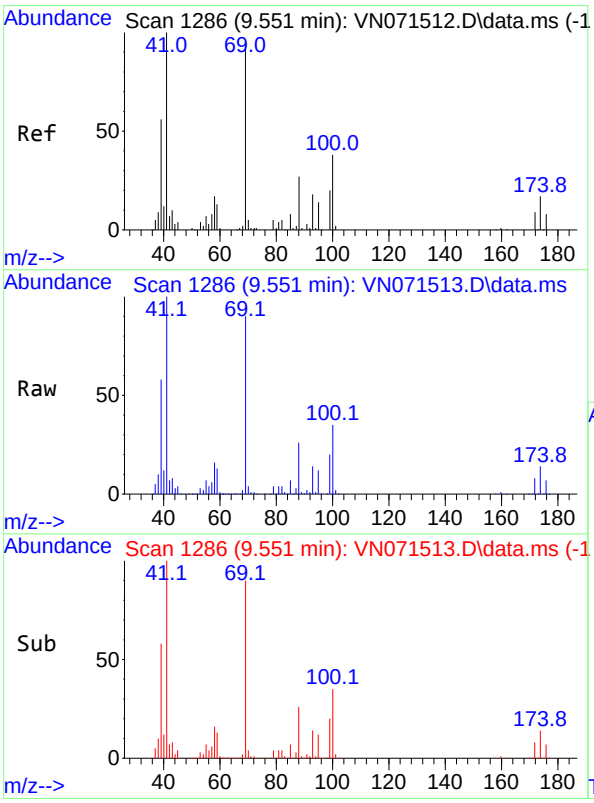
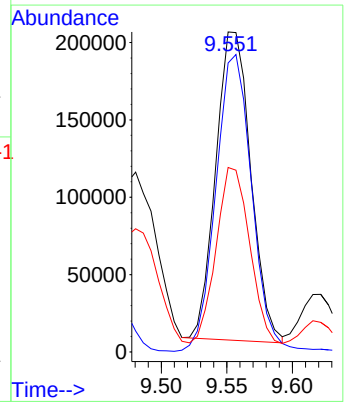


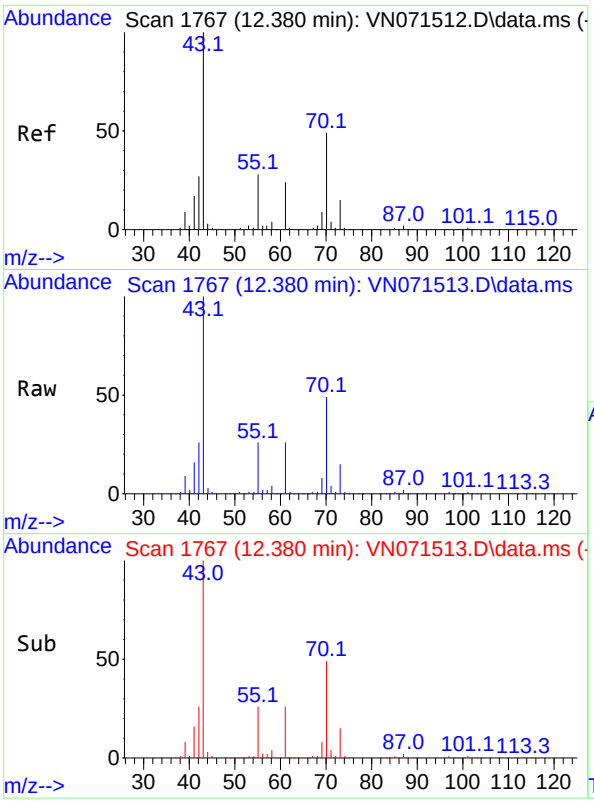


#46
Methyl methacrylate
Concen: 40.031 ug/l
RT: 9.551 min Scan# 1286
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 41 Resp: 369253

Ion	Ratio	Lower	Upper
41	100		
69	94.0	44.4	133.2
39	57.6	39.9	119.6





#47
n-amyl Acetate
Concen: 42.353 ug/l
RT: 12.380 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 58312

Ion	Ratio	Lower	Upper
43	100		
55	26.9	19.0	28.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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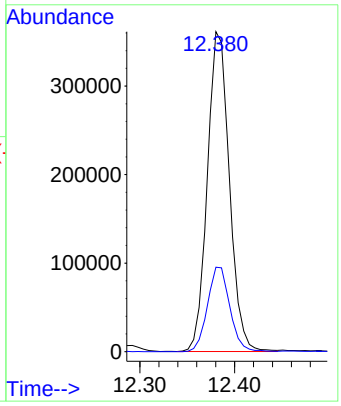
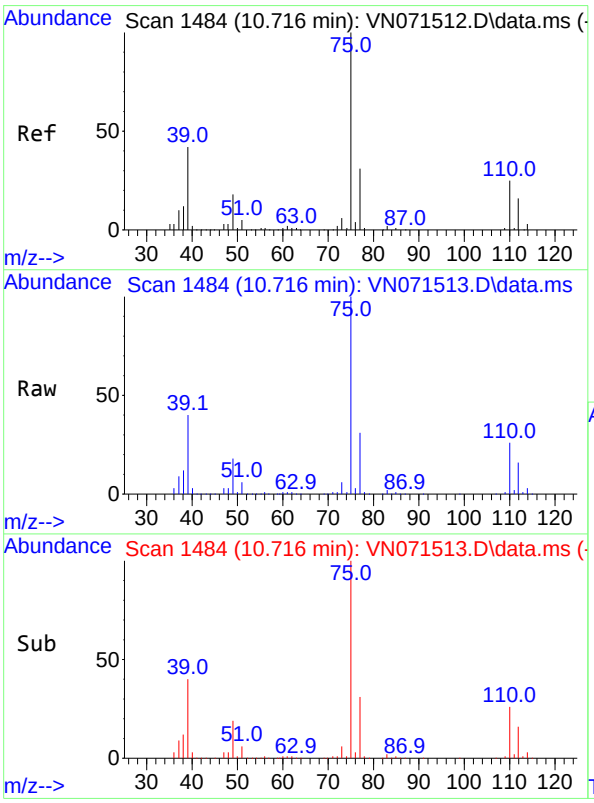
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

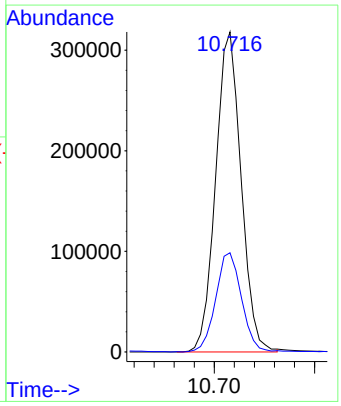


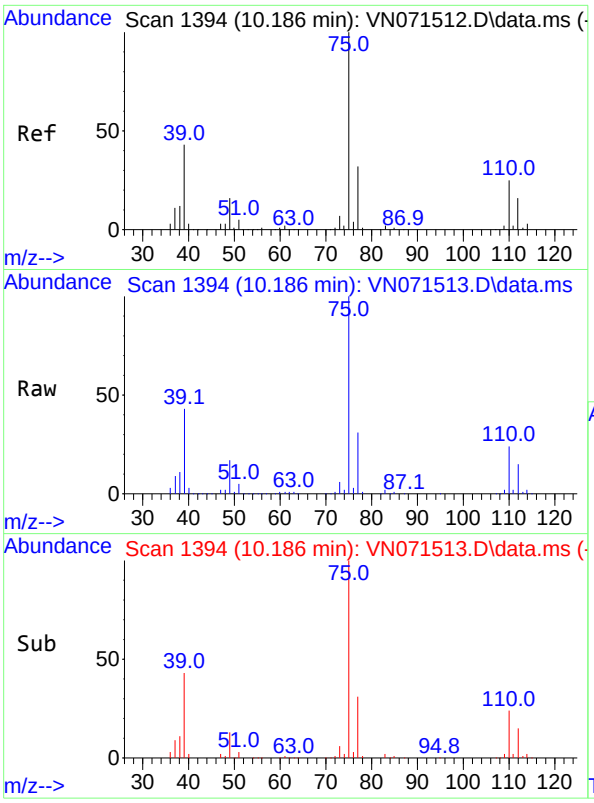


#48
t-1,3-Dichloropropene
Concen: 50.014 ug/l
RT: 10.716 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 75 Resp: 558943

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.3	37.9

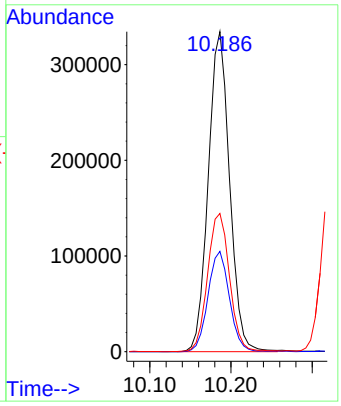




#49
cis-1,3-Dichloropropene
Concen: 50.228 ug/l
RT: 10.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 75 Resp: 60950

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.3	37.9
39	43.2	46.2	69.4



Instrument :
MSVOA_N
ClientSampleId :
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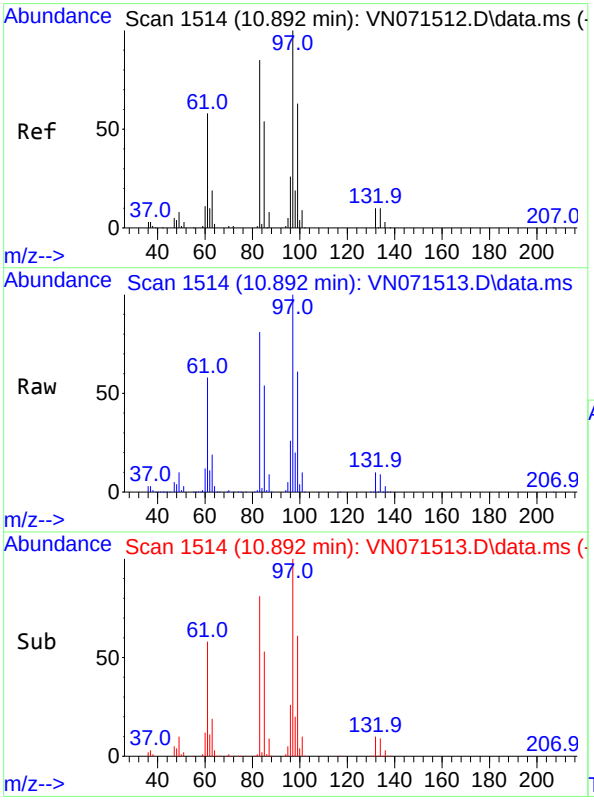
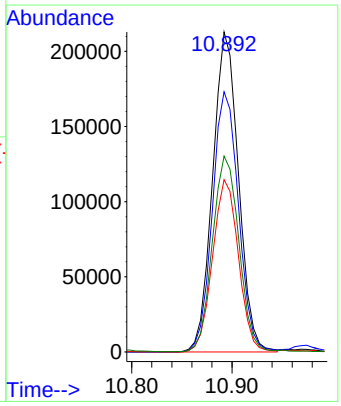
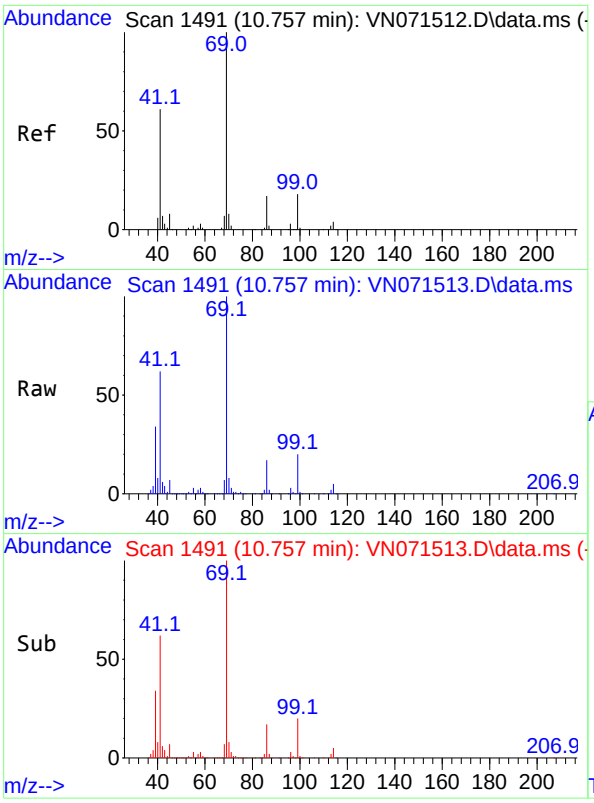


#50
1,1,2-Trichloroethane
Concen: 50.716 ug/l
RT: 10.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 97 Resp: 380737

Ion	Ratio	Lower	Upper
97	100		
83	81.3	67.2	100.8
85	53.9	43.0	64.4
99	61.1	49.0	73.4

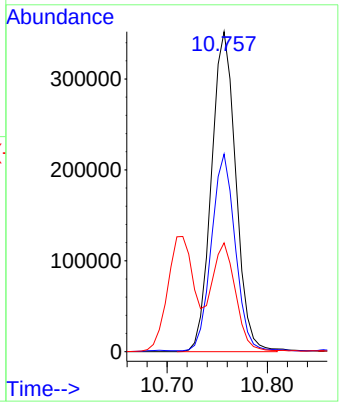




#51
Ethyl methacrylate
Concen: 47.267 ug/l
RT: 10.757 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 69 Resp: 59469

Ion	Ratio	Lower	Upper
69	100		
41	61.5	33.0	98.9
39	33.7	25.4	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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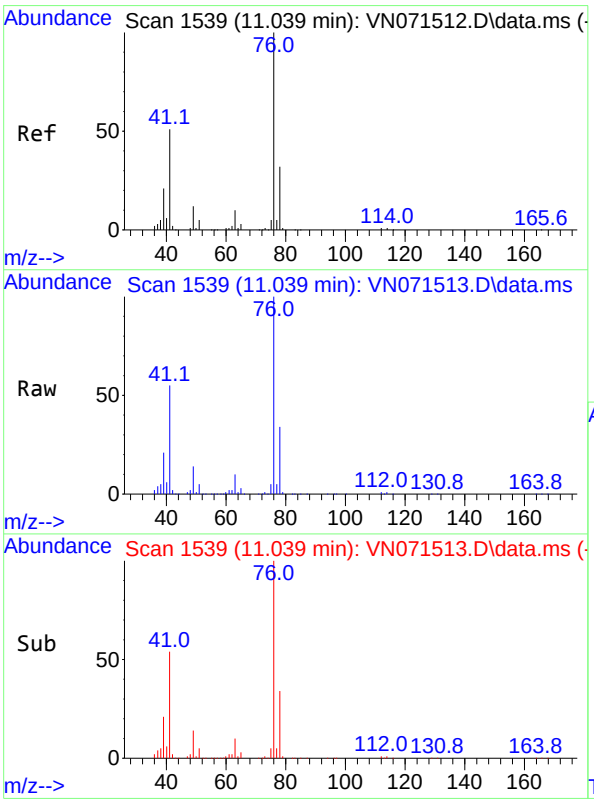
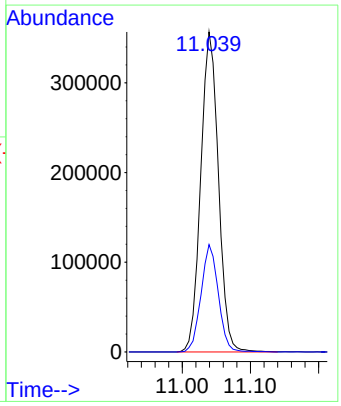
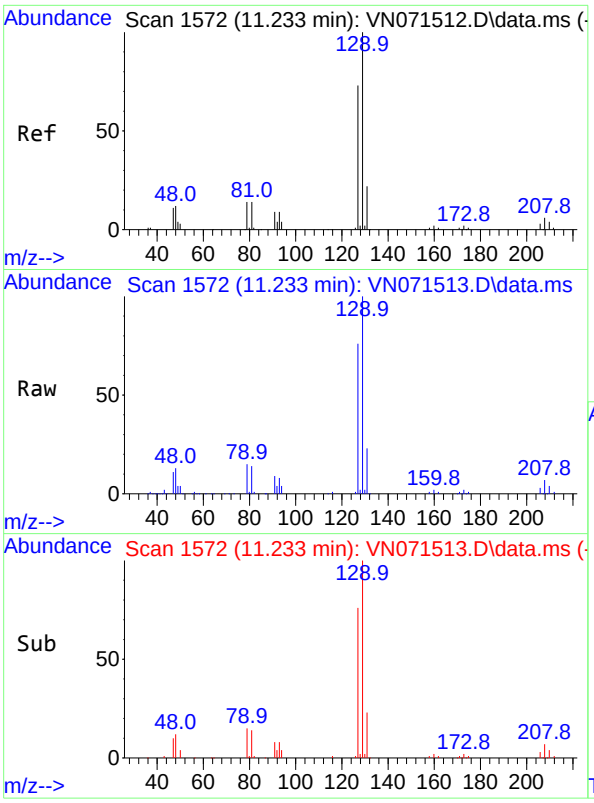


#52
1,3-Dichloropropane
Concen: 48.163 ug/l
RT: 11.039 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 76 Resp: 643983

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.4





#53
Dibromochloromethane
Concen: 51.247 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:129 Resp: 39859

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.0	117.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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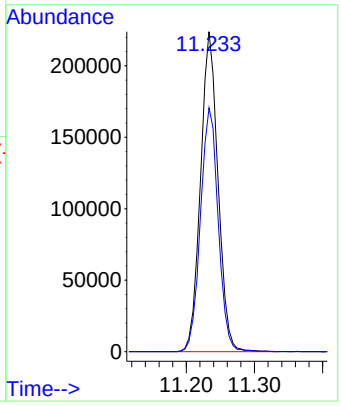
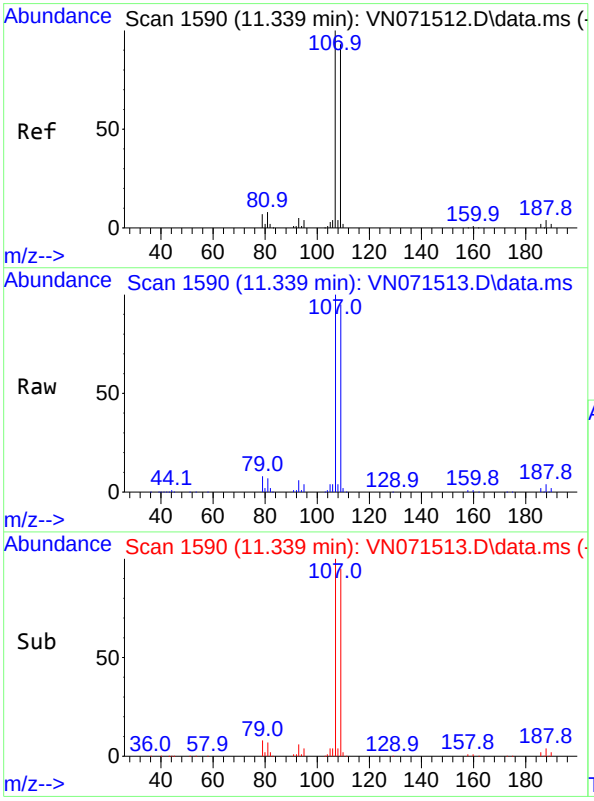
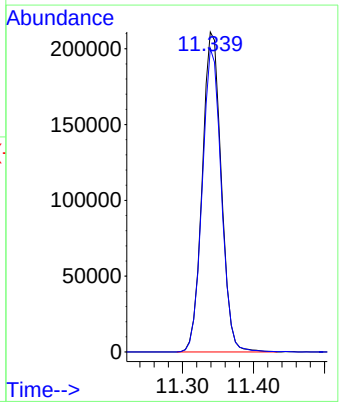


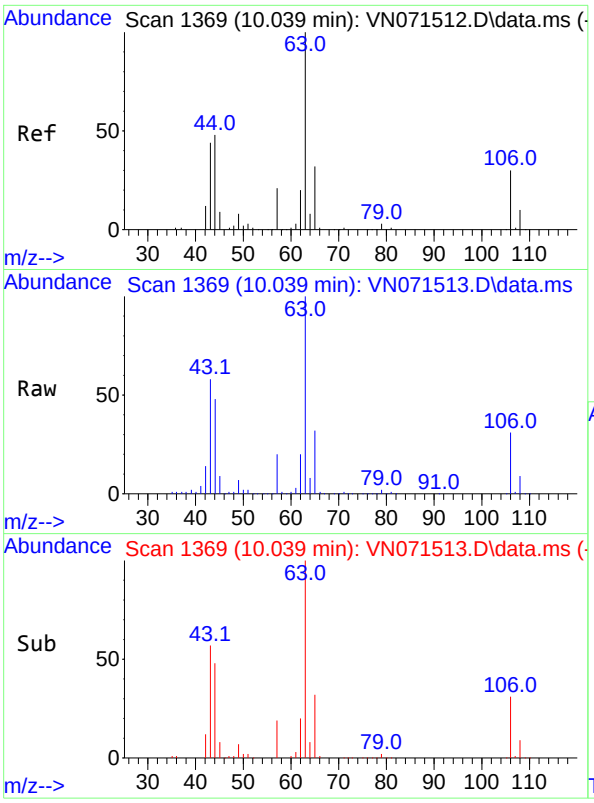


#54
1,2-Dibromoethane
Concen: 50.731 ug/l
RT: 11.339 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:107 Resp: 393196

Ion	Ratio	Lower	Upper
107	100		
109	94.9	72.8	109.2

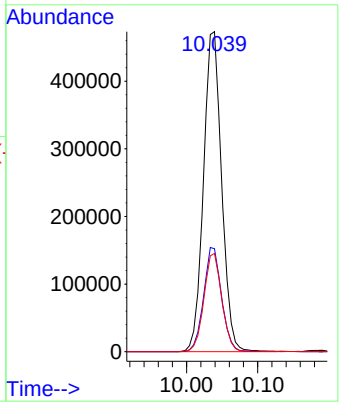




#55
2-Chloroethyl vinyl ether
Concen: 220.111 ug/l
RT: 10.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 63 Resp: 83944

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.0
106	30.2	23.2	34.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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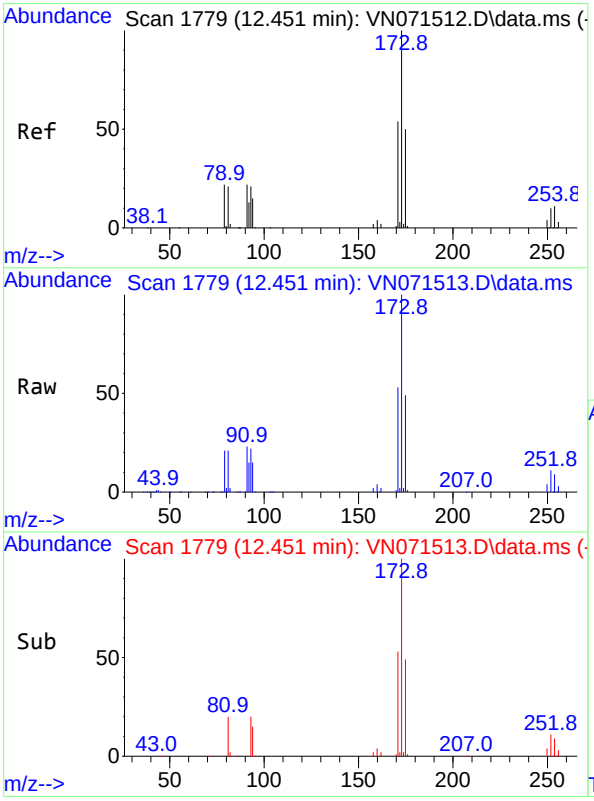
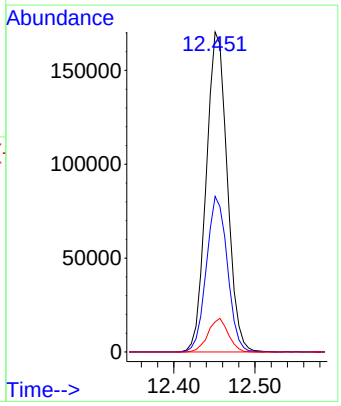
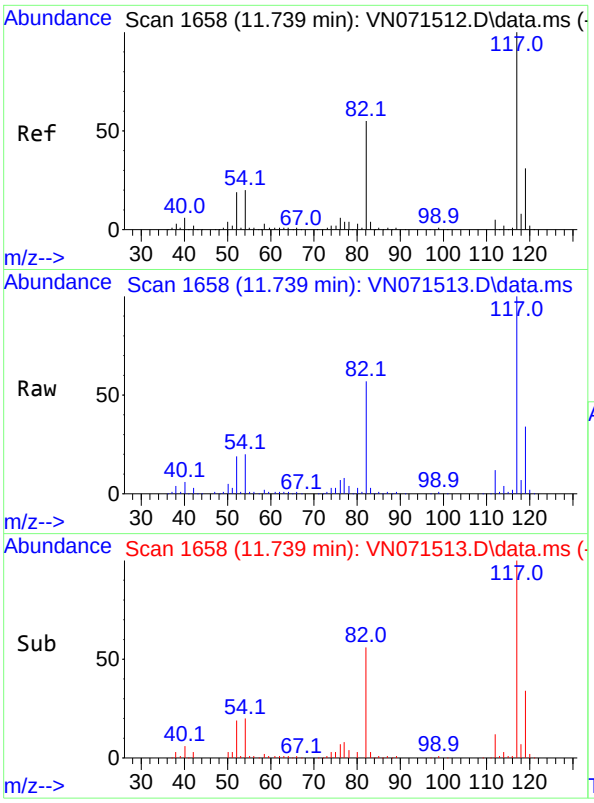


#56
Bromoform
Concen: 50.864 ug/l
RT: 12.451 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:173 Resp: 306220

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.6	58.0
254	10.1	0.0	0.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:117 Resp: 55671

Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.6	65.4
119	32.5	25.8	38.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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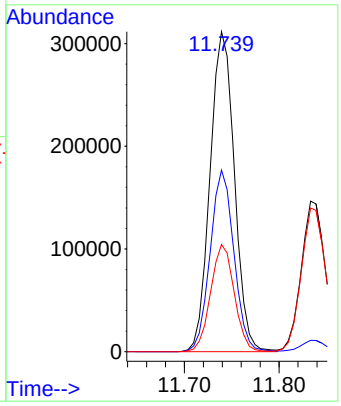
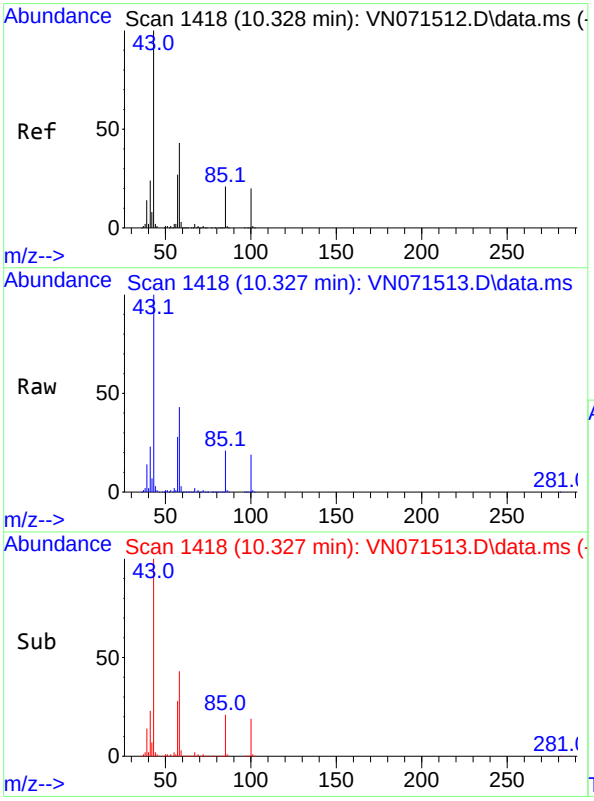
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

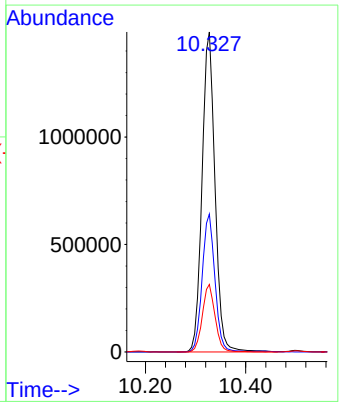


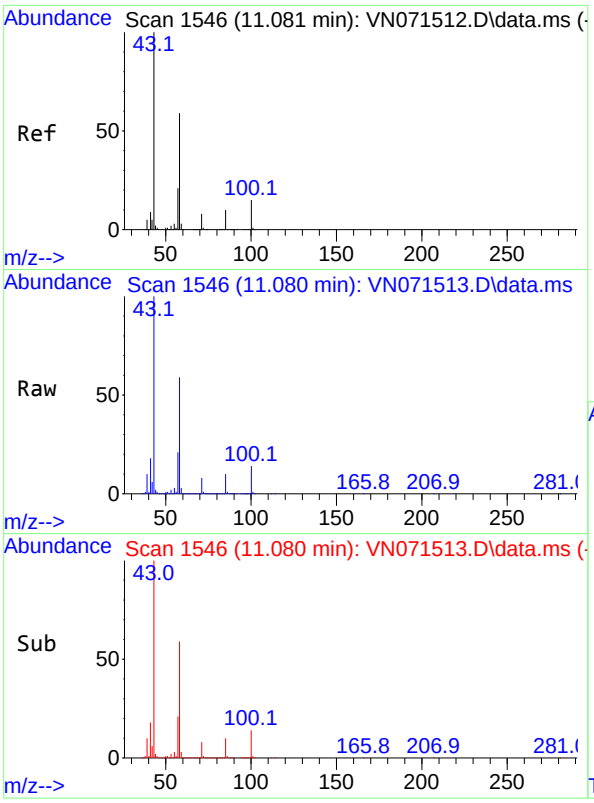


#58
4-Methyl-2-Pentanone
Concen: 209.471 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 2669449

Ion	Ratio	Lower	Upper
43	100		
58	42.6	30.0	45.0
85	20.8	15.0	22.6





#59
2-Hexanone
Concen: 204.553 ug/l
RT: 11.080 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 43 Resp: 193603

Ion	Ratio	Lower	Upper
43	100		
58	60.0	42.2	63.2
57	21.0	15.0	22.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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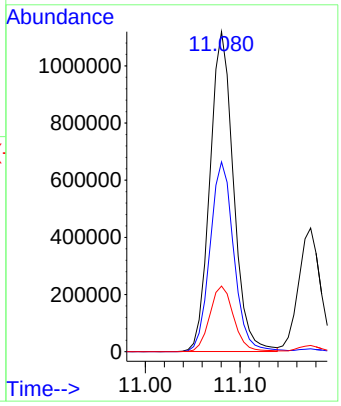
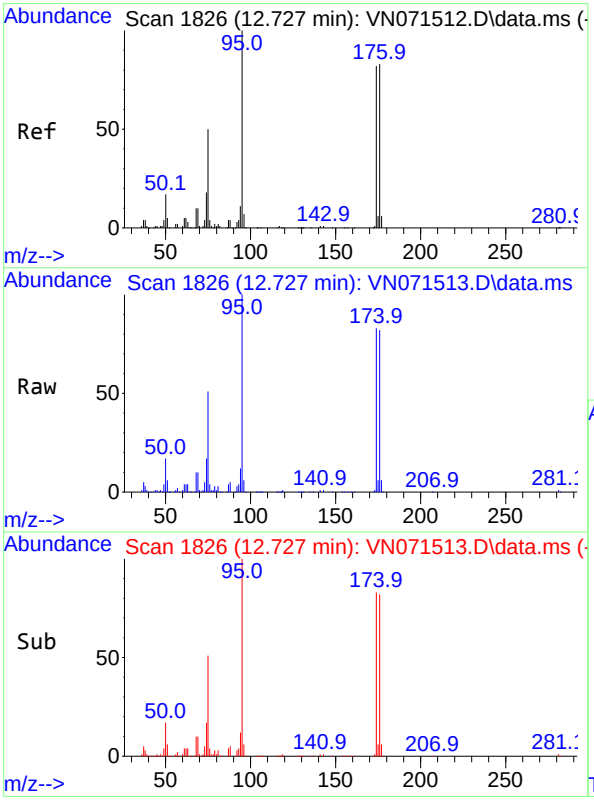
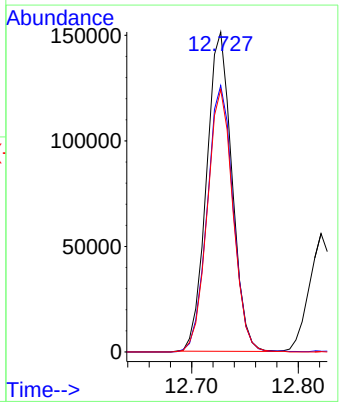


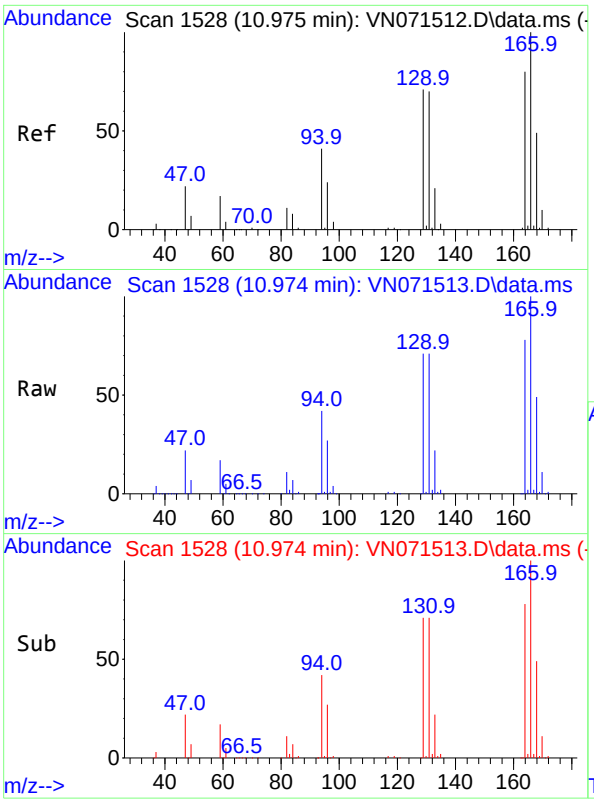


#60
4-Bromofluorobenzene
Concen: 29.296 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 95 Resp: 250198

Ion	Ratio	Lower	Upper
95	100		
174	85.2	62.9	94.3
176	83.0	61.0	91.4

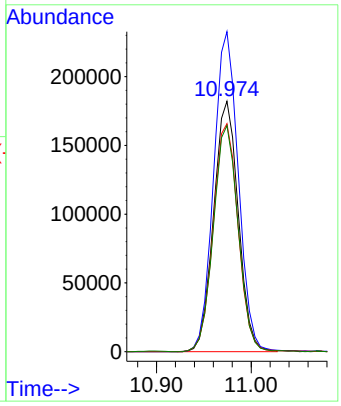




#61
Tetrachloroethene
Concen: 52.862 ug/l
RT: 10.974 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:164 Resp: 32975

Ion	Ratio	Lower	Upper
164	100		
166	127.8	105.8	158.8
129	91.0	82.5	123.7
131	90.3	81.2	121.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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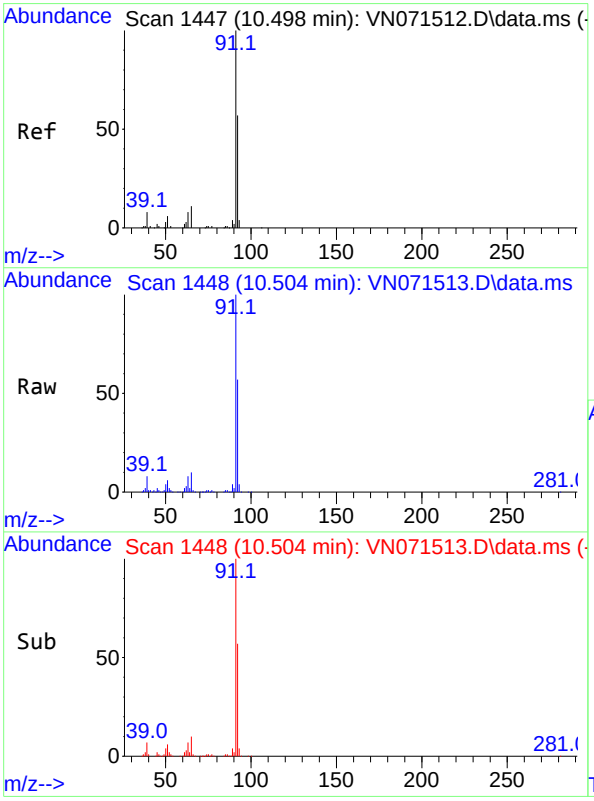
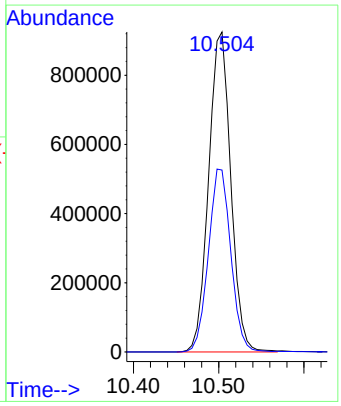
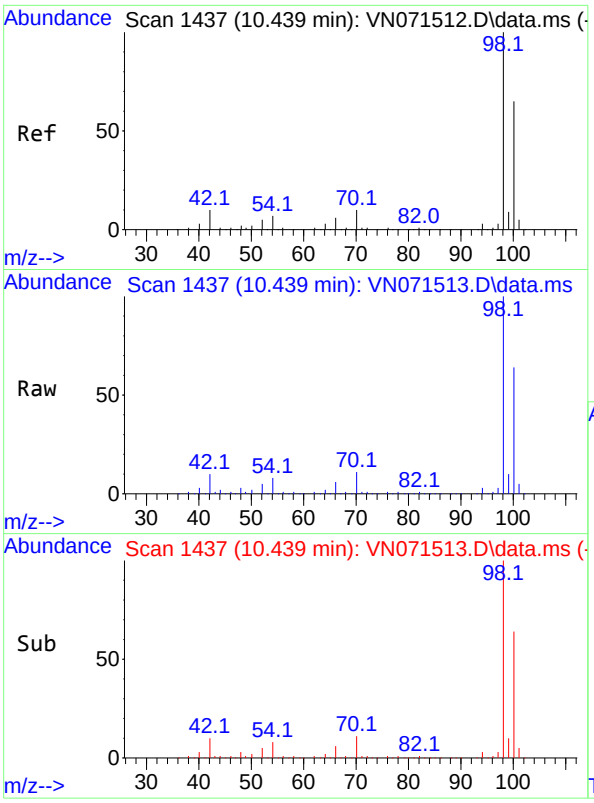


#62
Toluene
Concen: 51.950 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 91 Resp: 1669654

Ion	Ratio	Lower	Upper
91	100		
92	57.8	44.6	67.0





#63
Toluene-d8
Concen: 30.122 ug/l
RT: 10.439 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 98 Resp: 77163

Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.6	76.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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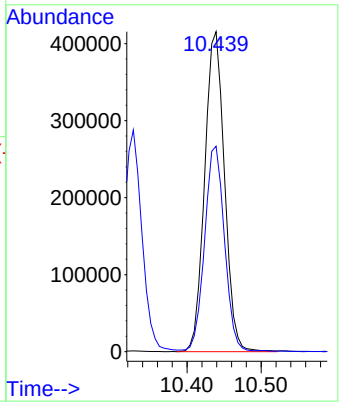
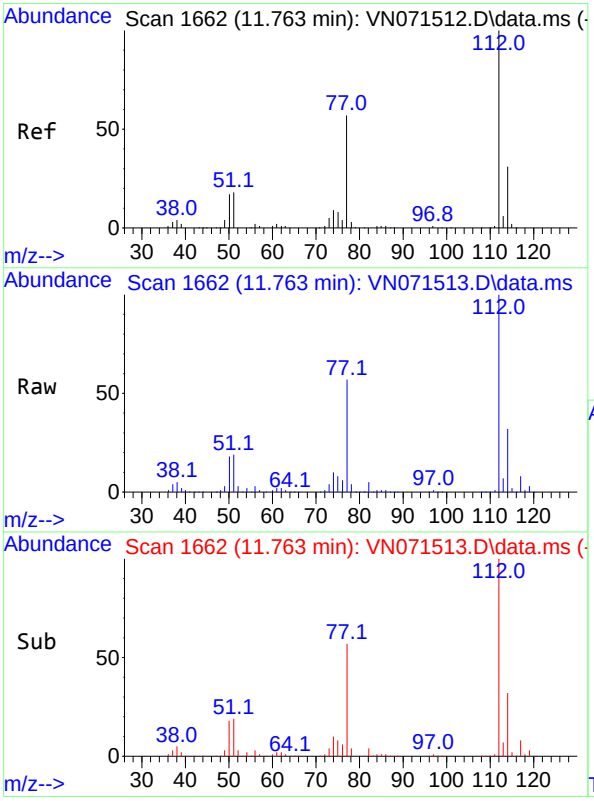
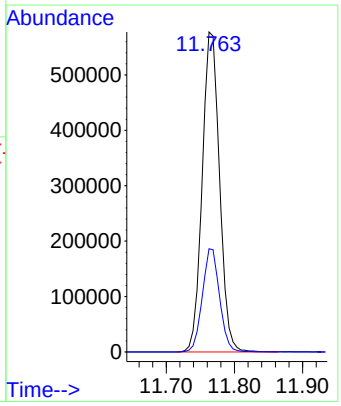


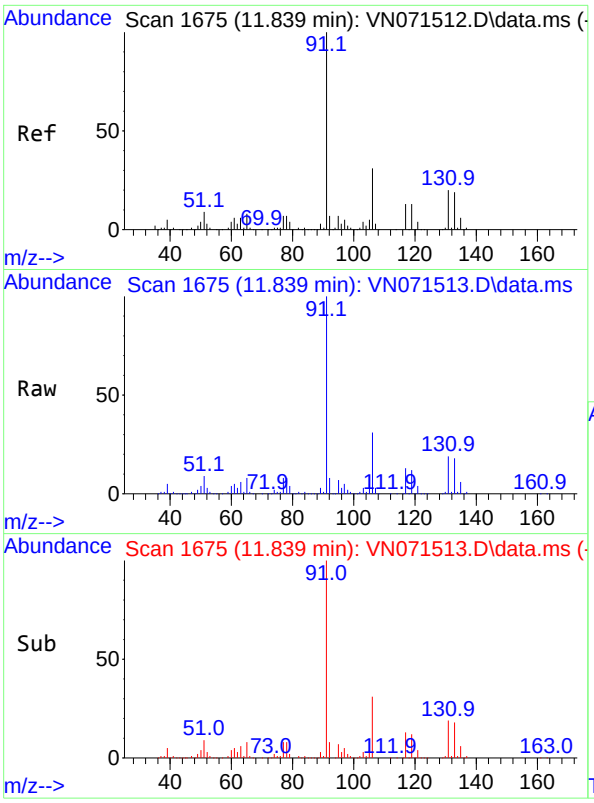


#64
Chlorobenzene
Concen: 52.395 ug/l
RT: 11.763 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:112 Resp: 1023471

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 51.449 ug/l
RT: 11.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:131 Resp: 37278

Ion	Ratio	Lower	Upper
131	100		
133	96.5	0.0	191.2
119	67.1	0.0	128.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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Reviewed By :John Carlone 03/25/2022
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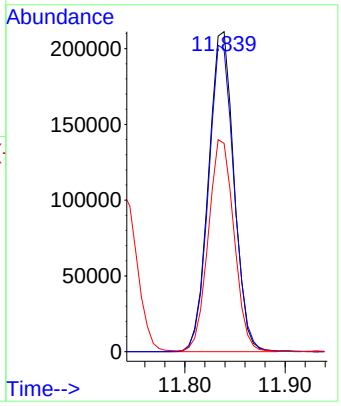
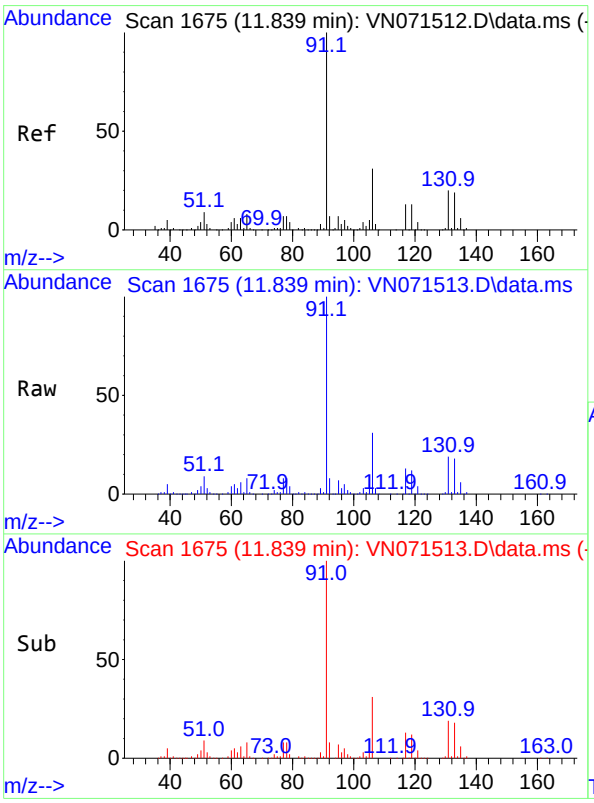
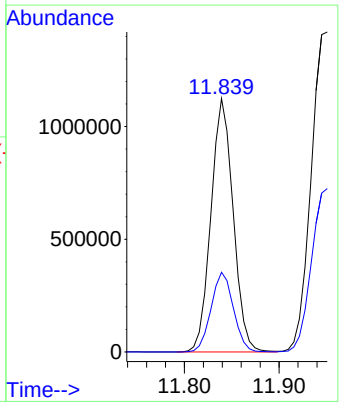


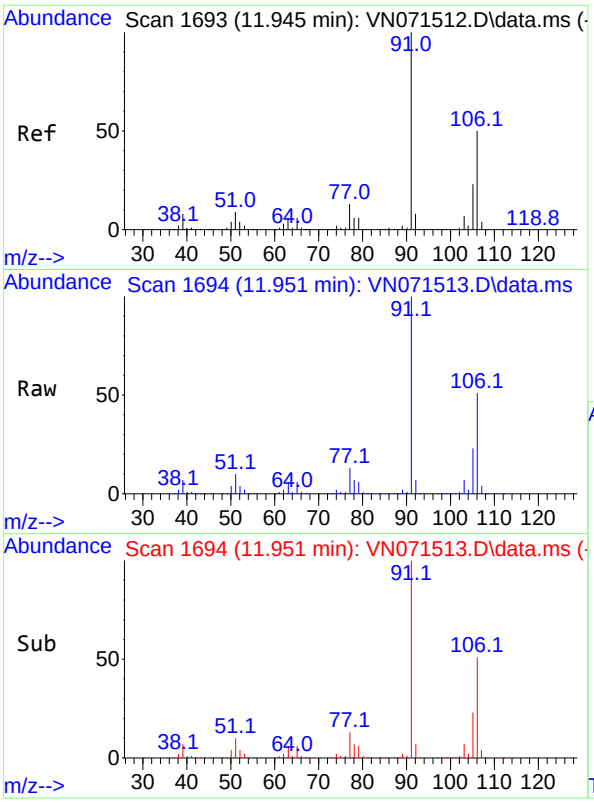


#66
Ethyl Benzene
Concen: 52.129 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 91 Resp: 1836605

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.0	36.0





#67
m/p-Xylenes
Concen: 106.250 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:106 Resp: 142349

Ion	Ratio	Lower	Upper
106	100		
91	198.8	162.9	244.3

Instrument :
MSVOA_N
ClientSampleId :
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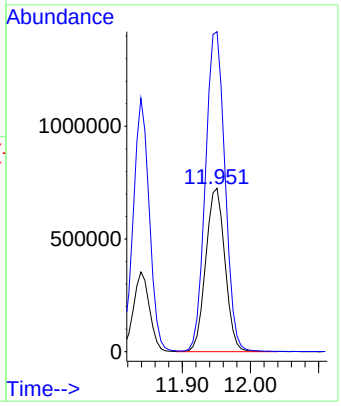
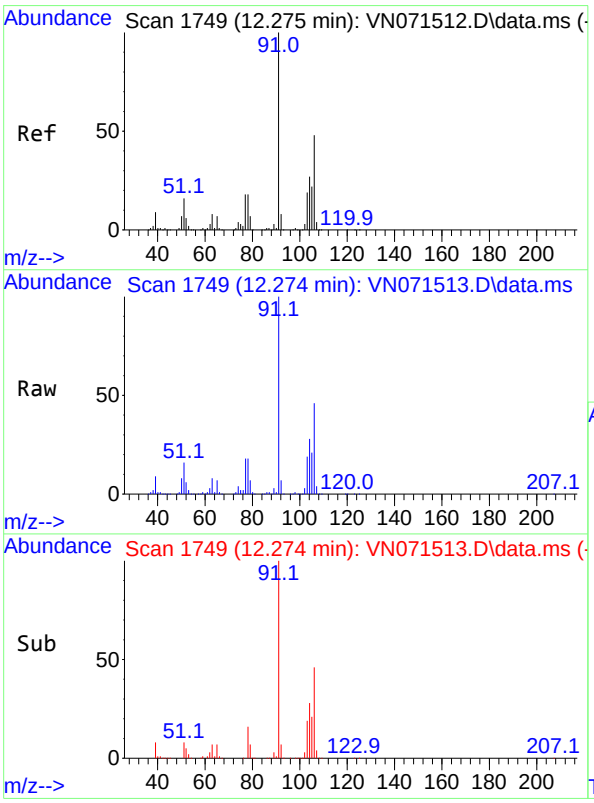
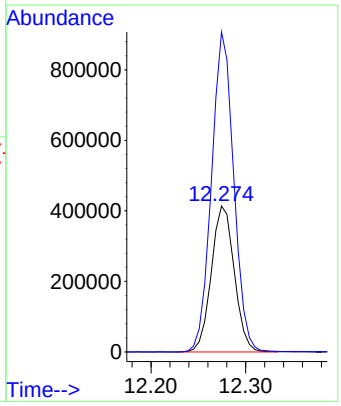


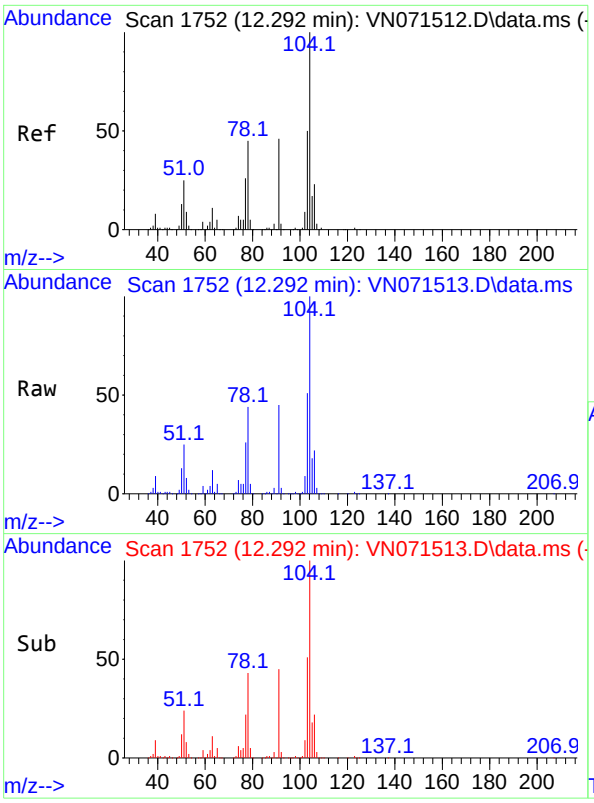


#68
o-Xylene
Concen: 52.244 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:106 Resp: 699183

Ion	Ratio	Lower	Upper
106	100		
91	212.0	107.7	323.1

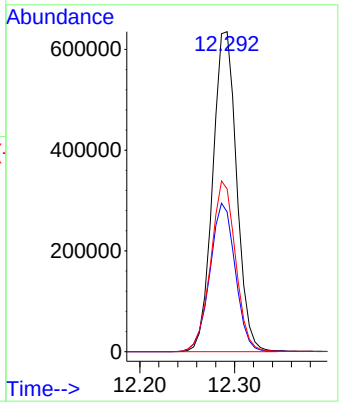




#69
Styrene
Concen: 52.970 ug/l
RT: 12.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:104 Resp: 111748

Ion	Ratio	Lower	Upper
104	100		
78	49.0	40.7	61.1
103	55.3	45.8	68.8



Instrument :
MSVOA_N
ClientSampleId :
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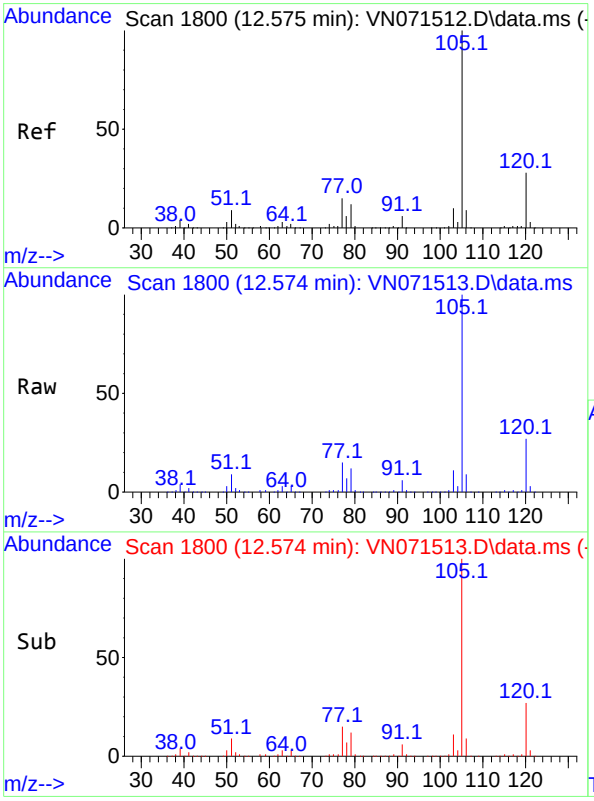
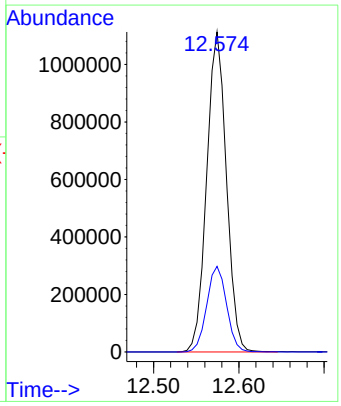
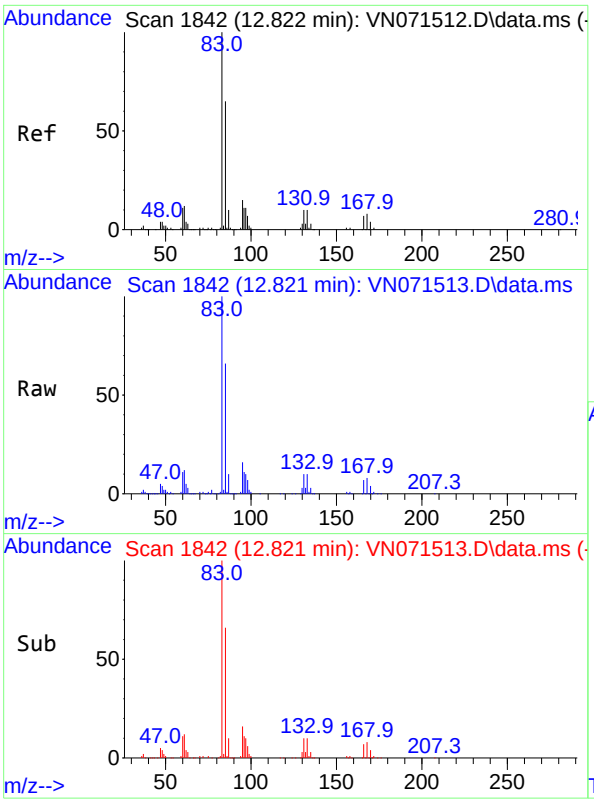


#70
Isopropylbenzene
Concen: 52.632 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:105 Resp: 1785296

Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.3	34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 49.746 ug/l
RT: 12.821 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 83 Resp: 57815

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.8	33.1	99.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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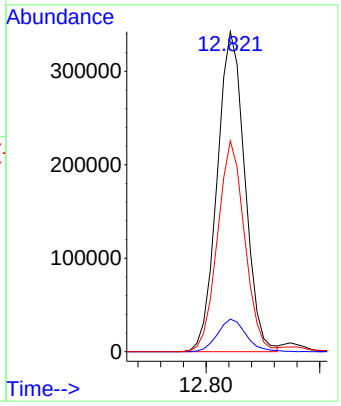
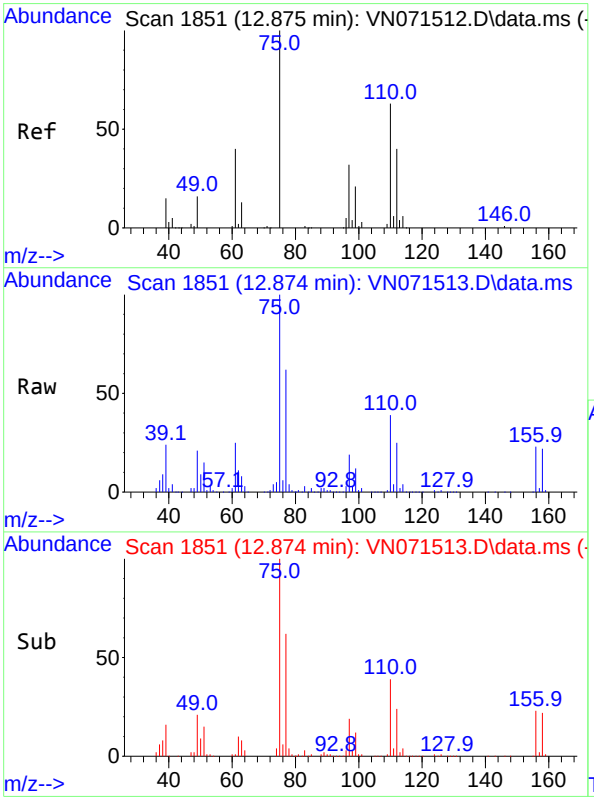
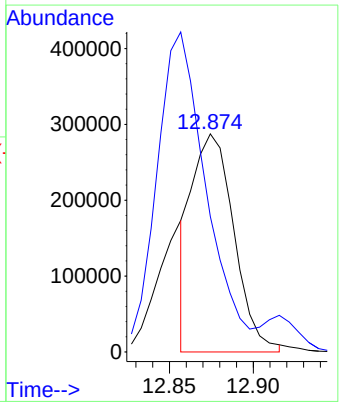


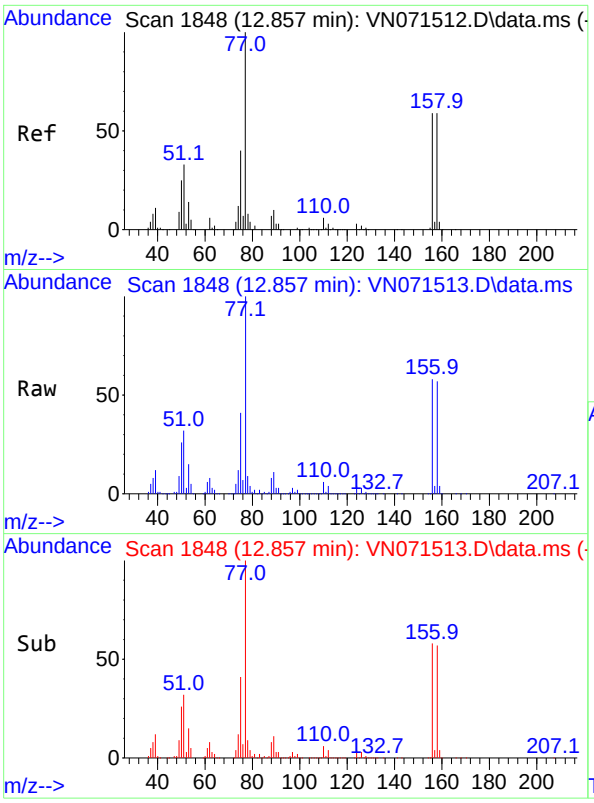


#72
1,2,3-Trichloropropane
Concen: 47.094 ug/l m
RT: 12.874 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 75 Resp: 502880

Ion	Ratio	Lower	Upper
75	100		
77	171.5	0.0	378.0

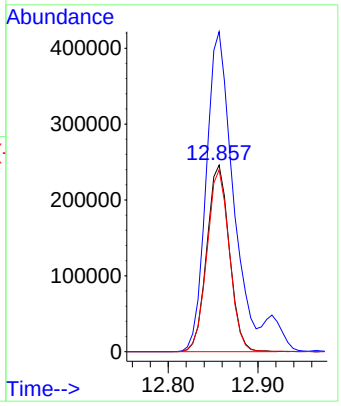




#73
Bromobenzene
Concen: 53.817 ug/l
RT: 12.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:156 Resp: 42967

Ion	Ratio	Lower	Upper
156	100		
77	200.7	0.0	416.0
158	96.4	0.0	195.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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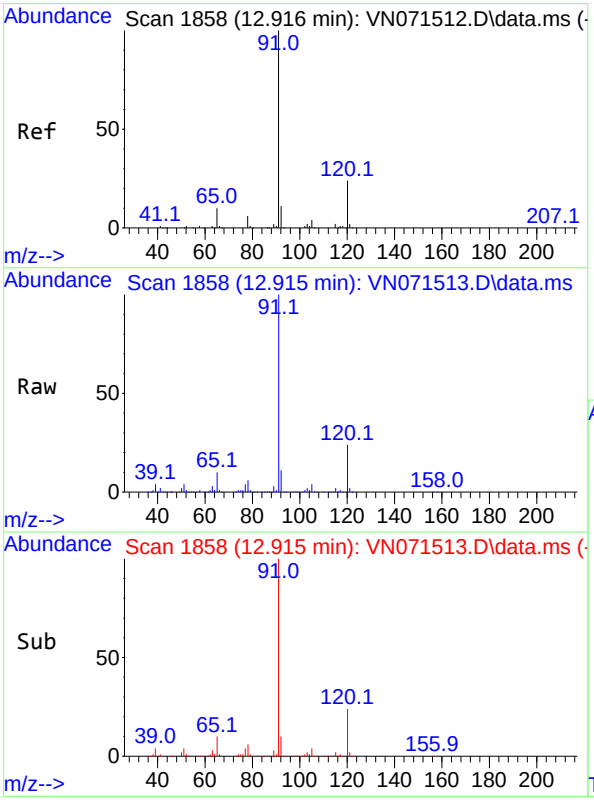
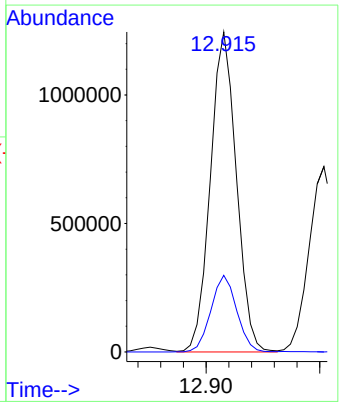
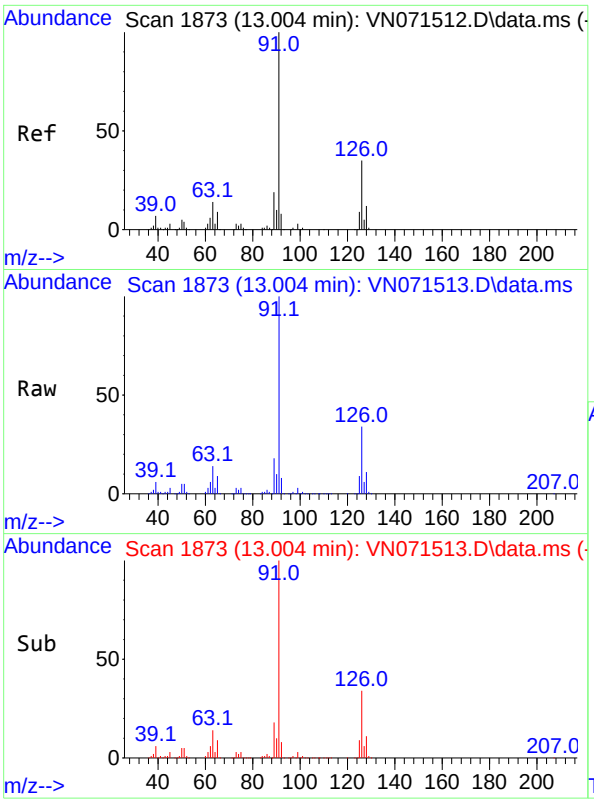


#74
n-propylbenzene
Concen: 53.159 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 91 Resp: 1978114

Ion	Ratio	Lower	Upper
91	100		
120	23.7	0.0	45.0

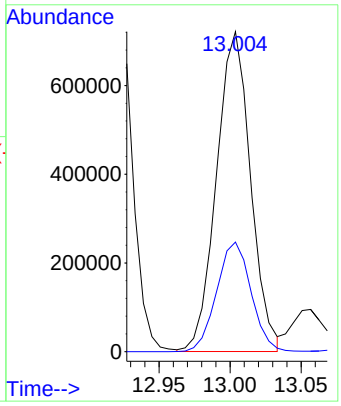




#75
2-Chlorotoluene
Concen: 51.460 ug/l
RT: 13.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 91 Resp: 120249

Ion	Ratio	Lower	Upper
91	100		
126	34.6	0.0	69.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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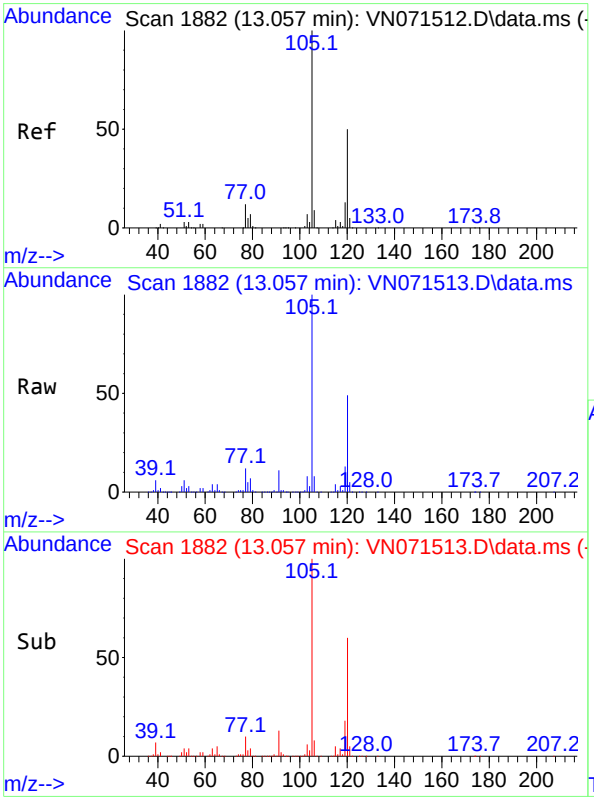
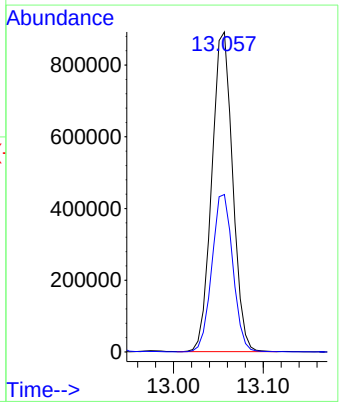
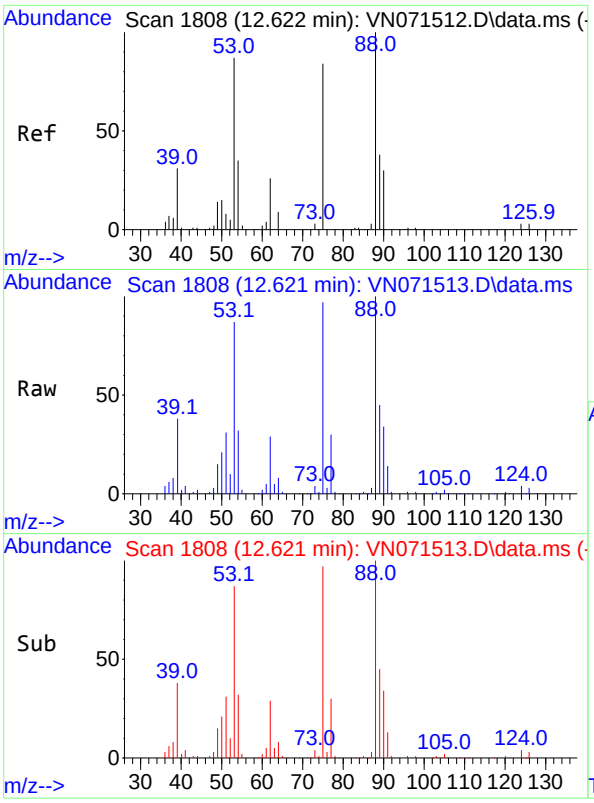


#76
1,3,5-Trimethylbenzene
Concen: 53.231 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:105 Resp: 1437478

Ion	Ratio	Lower	Upper
105	100		
120	49.8	0.0	93.8





#77
t-1,4-Dichloro-2-butene
Concen: 52.485 ug/l
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 75 Resp: 18208

Ion	Ratio	Lower	Upper
75	100		
53	89.5	51.8	155.5
89	46.3	22.9	68.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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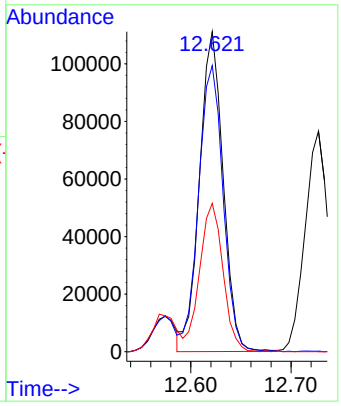
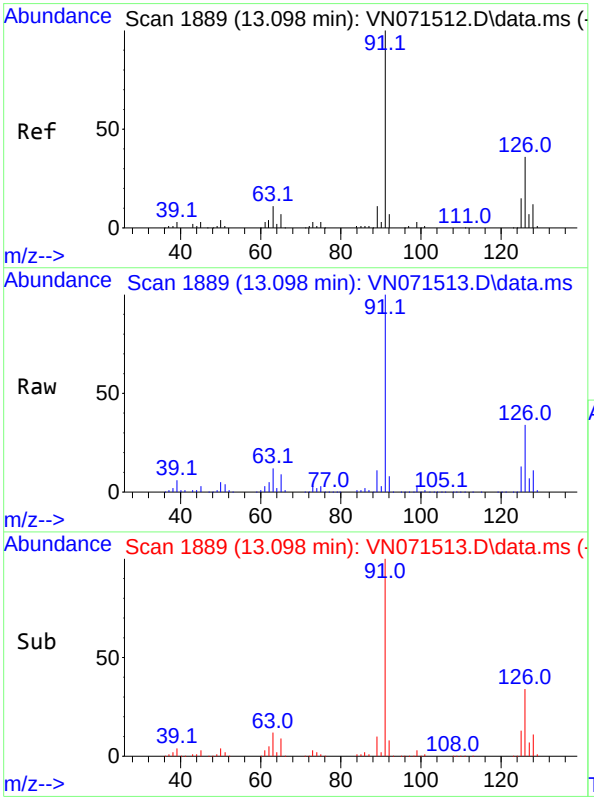
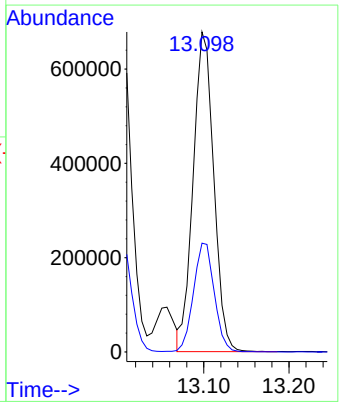


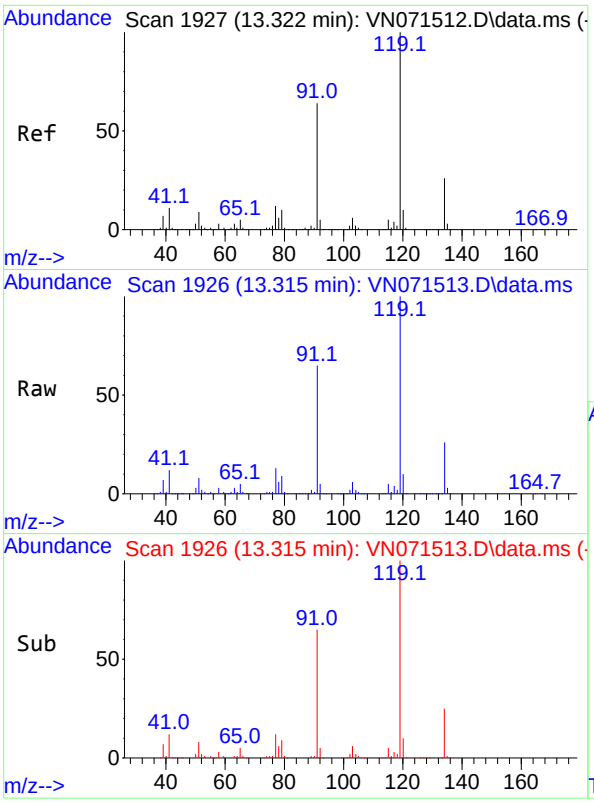


#78
4-Chlorotoluene
Concen: 52.428 ug/l
RT: 13.098 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 91 Resp: 1137183

Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	70.6

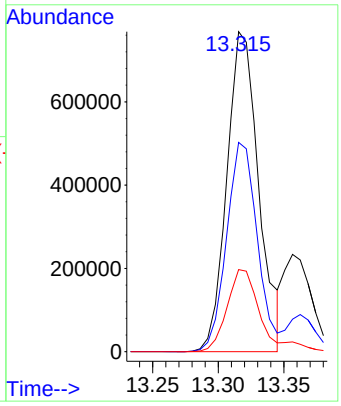




#79
tert-butylbenzene
Concen: 52.948 ug/l
RT: 13.315 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:119 Resp: 130065

Ion	Ratio	Lower	Upper
119	100		
91	63.0	0.0	137.0
134	24.9	0.0	47.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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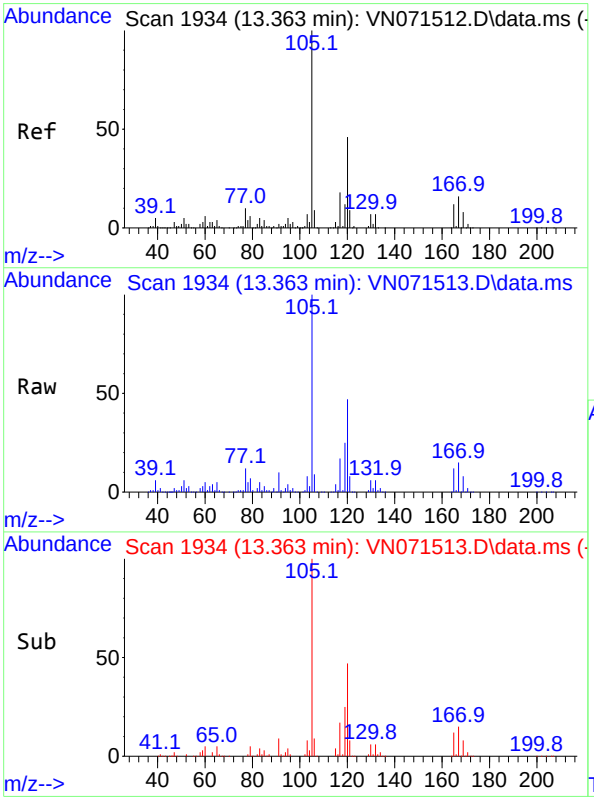
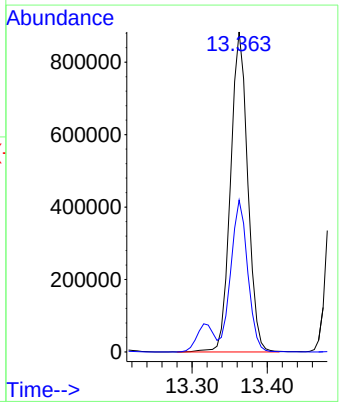
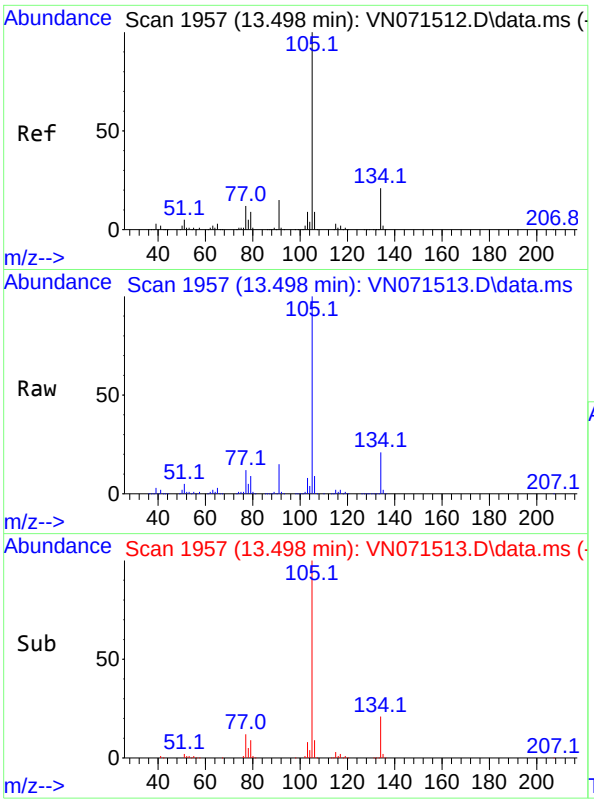


#80
1,2,4-Trimethylbenzene
Concen: 53.852 ug/l m
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:105 Resp: 1401252

Ion	Ratio	Lower	Upper
105	100		
120	0.2	0.0	0.2#

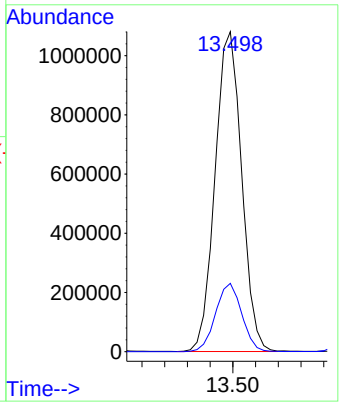




#81
sec-Butylbenzene
Concen: 53.489 ug/l
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:105 Resp: 175467

Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	39.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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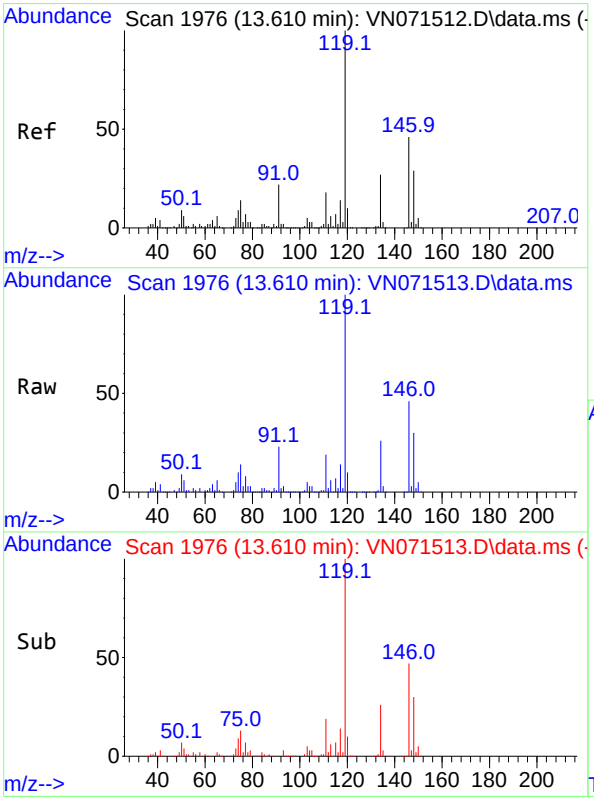
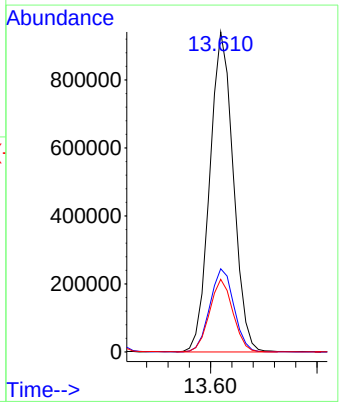
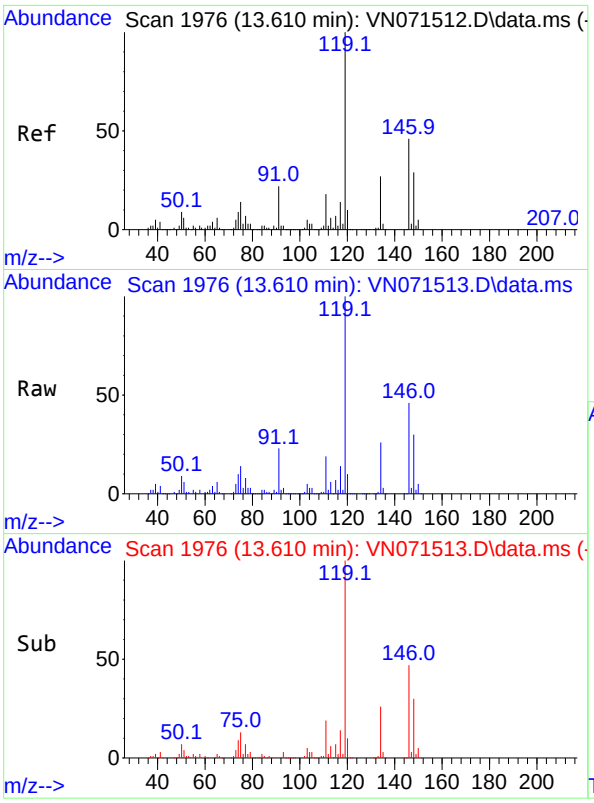


#82
p-Isopropyltoluene
Concen: 54.821 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:119 Resp: 1443523

Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	51.8
91	22.6	0.0	50.4

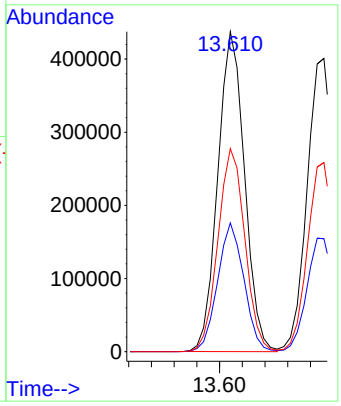




#83
1,3-Dichlorobenzene
Concen: 55.054 ug/l
RT: 13.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:146 Resp: 71564

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	64.0	31.4	94.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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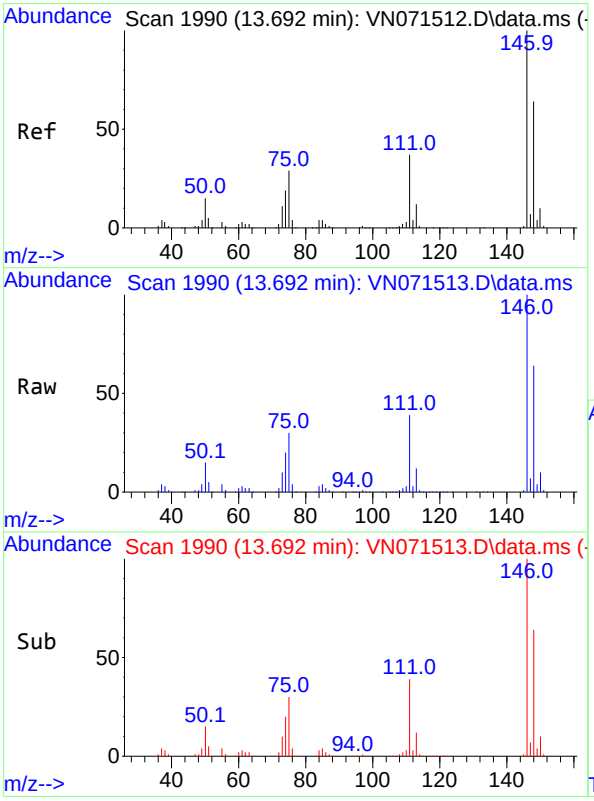
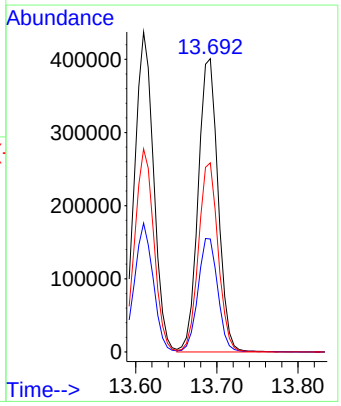
Supervised By :Mahesh Dadoda 03/25/2022

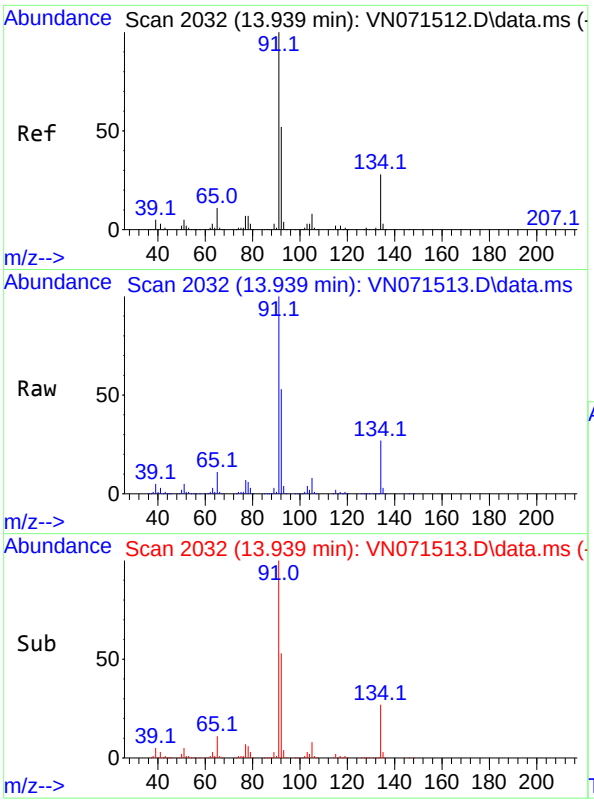


#84
1,4-Dichlorobenzene
Concen: 54.953 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:146 Resp: 682129

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.8	31.1	93.5

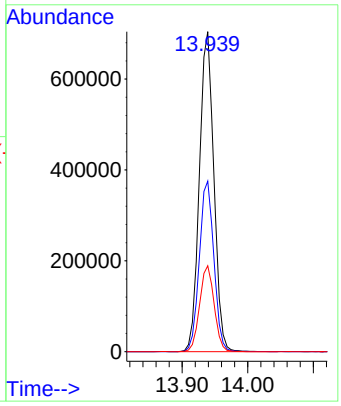




#85
n-Butylbenzene
Concen: 55.418 ug/l
RT: 13.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 91 Resp: 108470

Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	100.6
134	26.9	0.0	50.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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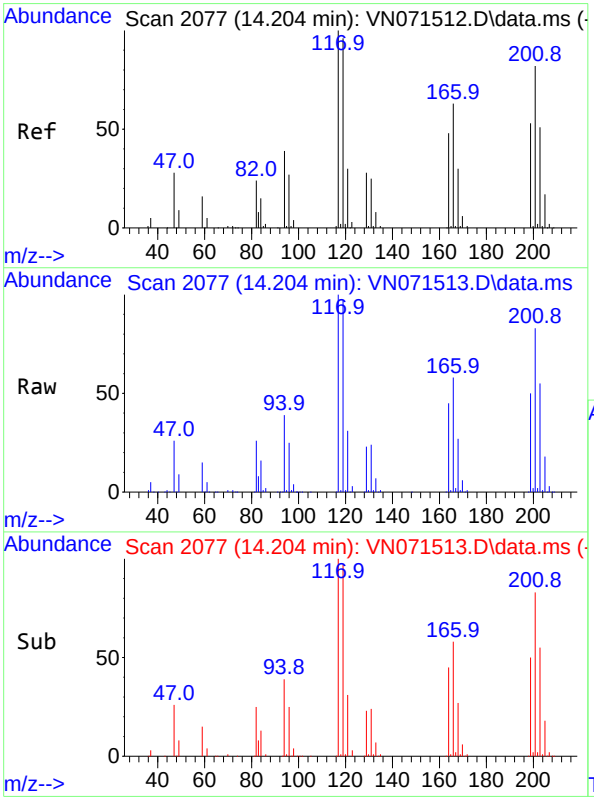
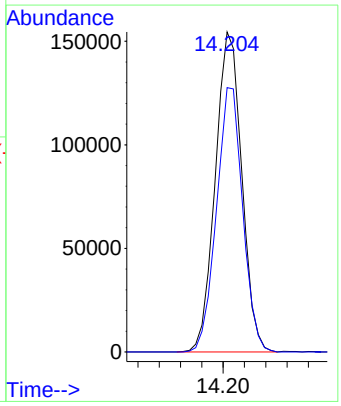
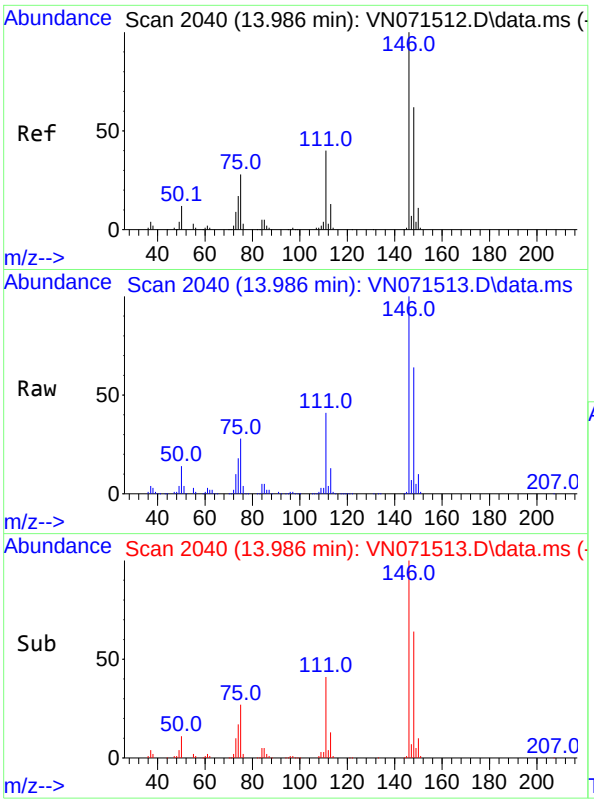


#86
Hexachloroethane
Concen: 52.940 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:117 Resp: 266298

Ion	Ratio	Lower	Upper
117	100		
201	81.9	33.3	99.8





#87
1,2-Dichlorobenzene
Concen: 54.918 ug/l
RT: 13.986 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:146 Resp: 69493

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.4	64.2
148	63.5	32.5	97.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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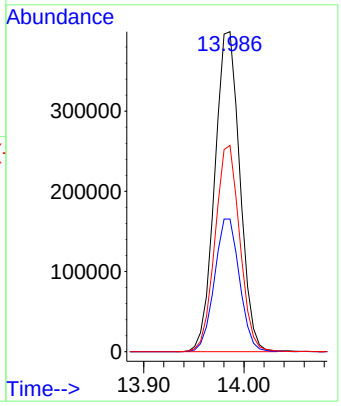
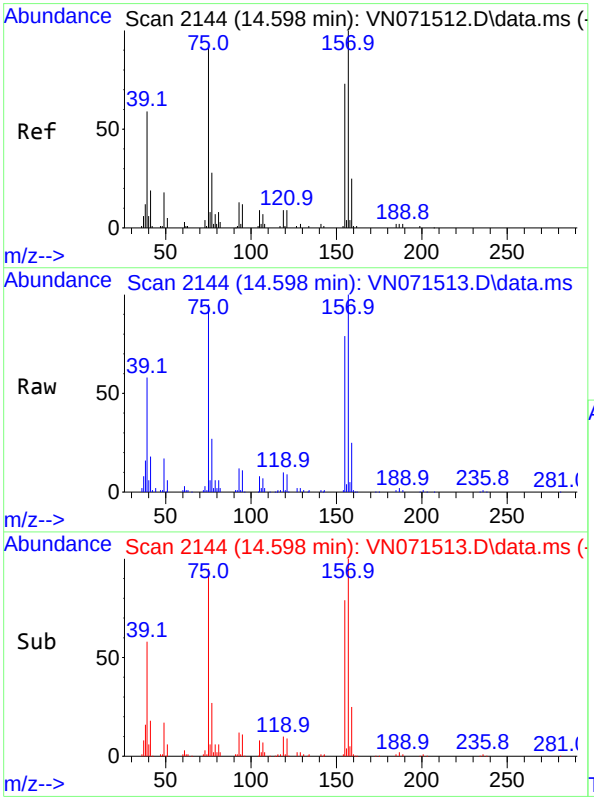
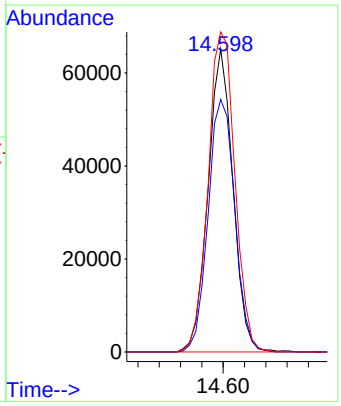


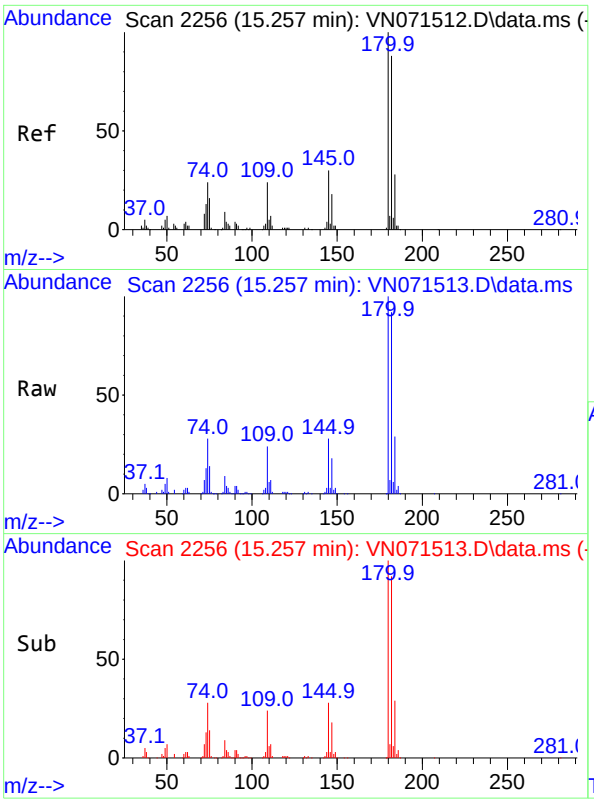


#88
1,2-Dibromo-3-Chloropropane
Concen: 48.309 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion: 75 Resp: 105552

Ion	Ratio	Lower	Upper
75	100		
155	89.4	63.8	95.8
157	113.6	77.9	116.9

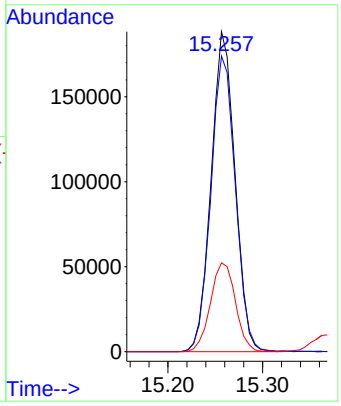




#89
1,2,4-Trichlorobenzene
Concen: 56.549 ug/l
RT: 15.257 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:180 Resp: 32895

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.7	116.5
145	29.2	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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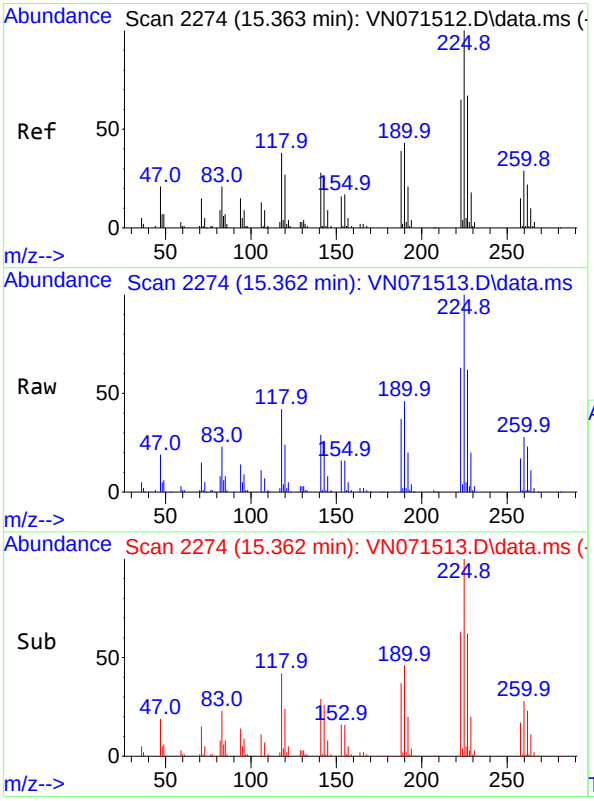
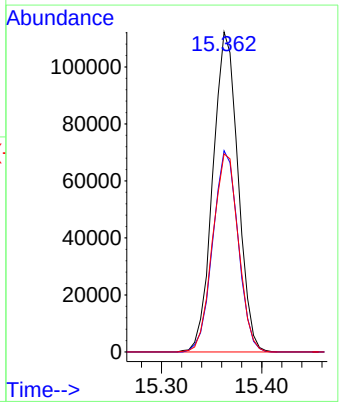
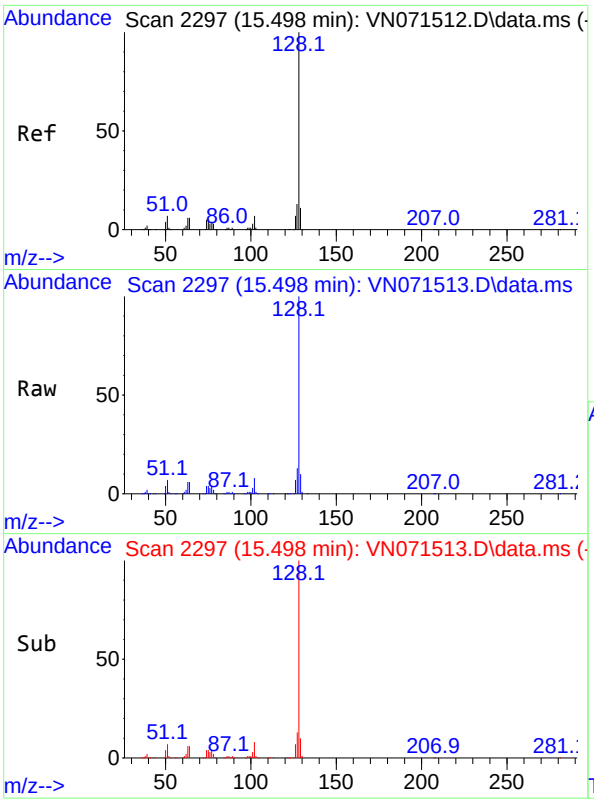


#90
Hexachlorobutadiene
Concen: 58.517 ug/l
RT: 15.362 min Scan# 2274
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:225 Resp: 195468

Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	126.8
227	63.6	0.0	123.0





#91
Naphthalene
Concen: 54.004 ug/l
RT: 15.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:128 Resp: 95991

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.5	9.0	13.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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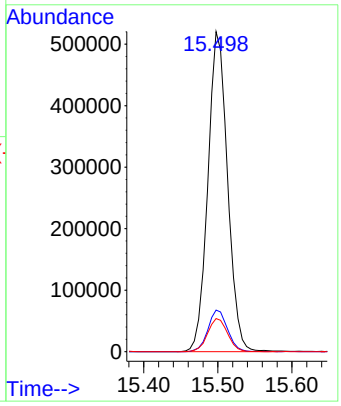
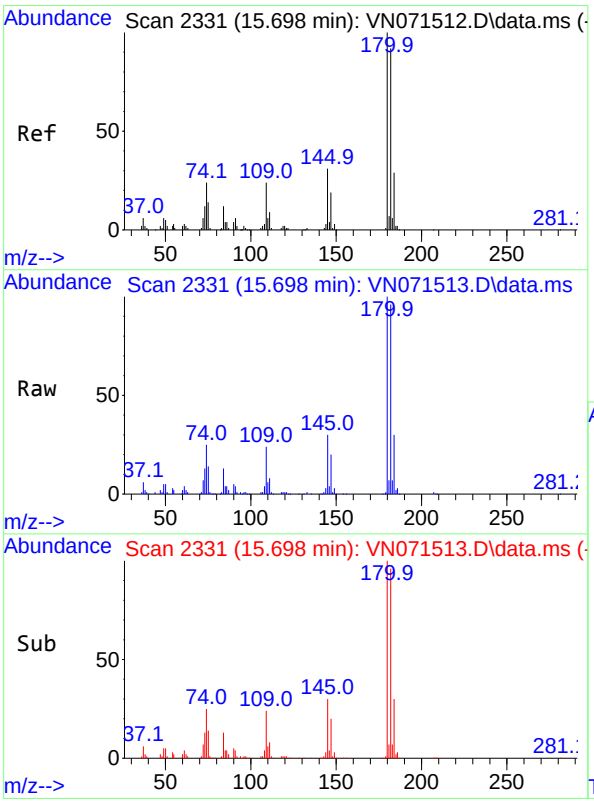
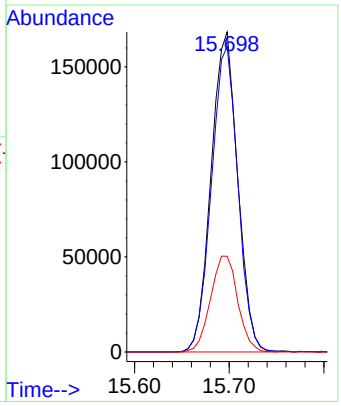




#92
1,2,3-Trichlorobenzene
Concen: 55.311 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071513.D
Acq: 24 Mar 2022 10:54

Tgt Ion:180 Resp: 327315

Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	190.0
145	30.7	0.0	67.8