Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
Data File : VX030134.D
Acq On : 20 Jul 2022 15:59
Operator : JC/MD
Sample : VX0721WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 21 03:30:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 13 09:05:23 2022
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	184116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	320459	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	285552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116606	52.032	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	5.391	113	96475	47.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.260%			
50) Toluene-d8	8.653	98	373611	48.524	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.040%			
62) 4-Bromofluorobenzene	11.085	95	134687	50.408	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	38232	17.643	ug/l	100
3) Chloromethane	1.288	50	34701	18.087	ug/l	99
4) Vinyl Chloride	1.374	62	35587	16.700	ug/l	100
5) Bromomethane	1.599	94	15085	16.664	ug/l	98
6) Chloroethane	1.679	64	21171	17.642	ug/l	94
7) Trichlorofluoromethane	1.880	101	50068	18.193	ug/l	99
8) Diethyl Ether	2.136	74	19766	17.361	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	35644	18.972	ug/l	96
10) Methyl Iodide	2.447	142	29890	17.832	ug/l	97
11) Tert butyl alcohol	2.977	59	51173	88.476	ug/l	97
12) 1,1-Dichloroethene	2.319	96	35011	18.664	ug/l	99
13) Acrolein	2.239	56	6287	54.578	ug/l	99
14) Allyl chloride	2.660	41	66589	20.313	ug/l	97
15) Acrylonitrile	3.069	53	135824	103.328	ug/l	100
16) Acetone	2.386	43	108781	103.014	ug/l	98
17) Carbon Disulfide	2.508	76	85860	16.101	ug/l	98
18) Methyl Acetate	2.709	43	65869	20.504	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	117943	19.891	ug/l	100
20) Methylene Chloride	2.788	84	43702	19.311	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	37503	19.180	ug/l	95
22) Diisopropyl ether	3.764	45	133136	20.748	ug/l	97
23) Vinyl Acetate	3.727	43	574634	105.785	ug/l	100
24) 1,1-Dichloroethane	3.611	63	70547	19.841	ug/l	99
25) 2-Butanone	4.568	43	184722	102.692	ug/l	97
26) 2,2-Dichloropropane	4.477	77	50323	20.147	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	45251	18.899	ug/l	98
28) Bromochloromethane	4.904	49	33513	22.404	ug/l	99
29) Tetrahydrofuran	5.019	42	125136	102.507	ug/l	97
30) Chloroform	5.093	83	71427	20.157	ug/l	98
31) Cyclohexane	5.471	56	64432	19.833	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	57923	20.000	ug/l	98
36) 1,1-Dichloropropene	5.696	75	51515	19.481	ug/l	98
37) Ethyl Acetate	4.721	43	69557	20.470	ug/l	98
38) Carbon Tetrachloride	5.678	117	49138	19.927	ug/l	100
39) Methylcyclohexane	7.379	83	65401	19.510	ug/l	94
40) Benzene	6.044	78	162467	19.520	ug/l	95

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Quant Title : SW846 8260
QLast Update : Wed Jul 13 09:05:23 2022
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	37880	20.704	ug/l		97
42) 1,2-Dichloroethane	6.092	62	53164	20.611	ug/l		98
43) Isopropyl Acetate	6.342	43	102267	20.015	ug/l		99
44) Trichloroethene	7.129	130	42929	17.651	ug/l		95
45) 1,2-Dichloropropane	7.434	63	43063	19.905	ug/l		91
46) Dibromomethane	7.586	93	28361	19.047	ug/l		99
47) Bromodichloromethane	7.824	83	52389	19.390	ug/l		95
48) Methyl methacrylate	7.696	41	51561	21.870	ug/l		96
49) 1,4-Dioxane	7.671	88	24275	396.316	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	358307	105.972	ug/l		98
52) Toluene	8.720	92	100507	19.017	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	54410	19.388	ug/l		96
54) cis-1,3-Dichloropropene	8.372	75	60511	18.821	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	41252	18.927	ug/l		95
56) Ethyl methacrylate	9.116	69	66242	20.215	ug/l		97
57) 1,3-Dichloropropane	9.311	76	68049	19.654	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	174997	98.349	ug/l		98
59) 2-Hexanone	9.433	43	281359	108.513	ug/l		97
60) Dibromochloromethane	9.525	129	39325	18.520	ug/l		98
61) 1,2-Dibromoethane	9.610	107	42675	18.813	ug/l		99
64) Tetrachloroethene	9.275	164	41770	18.222	ug/l		97
65) Chlorobenzene	10.079	112	104272	18.338	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	35526	18.327	ug/l		96
67) Ethyl Benzene	10.195	91	189884	19.703	ug/l		99
68) m/p-Xylenes	10.305	106	147588	39.046	ug/l		99
69) o-Xylene	10.646	106	71499	18.892	ug/l		96
70) Styrene	10.659	104	120497	19.182	ug/l		99
71) Bromoform	10.805	173	26200	16.823	ug/l	#	99
73) Isopropylbenzene	10.963	105	188060	19.352	ug/l		99
74) N-amyl acetate	10.848	43	82521	19.334	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	65910	18.799	ug/l		99
76) 1,2,3-Trichloropropane	11.244	75	61143m	19.054	ug/l		
77) Bromobenzene	11.201	156	42945	17.663	ug/l		97
78) n-propylbenzene	11.305	91	222582	19.307	ug/l		99
79) 2-Chlorotoluene	11.366	91	130980	18.968	ug/l		100
80) 1,3,5-Trimethylbenzene	11.457	105	157138	19.190	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	18521	16.657	ug/l	#	84
82) 4-Chlorotoluene	11.457	91	150892	19.503	ug/l		100
83) tert-Butylbenzene	11.719	119	147281	18.755	ug/l		95
84) 1,2,4-Trimethylbenzene	11.756	105	159004	19.631	ug/l		98
85) sec-Butylbenzene	11.890	105	203549	19.607	ug/l		99
86) p-Isopropyltoluene	12.012	119	164688	19.774	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	84461	18.800	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	85846	18.621	ug/l		98
89) n-Butylbenzene	12.335	91	151053	20.243	ug/l		99
90) Hexachloroethane	12.542	117	25736	18.076	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	85457	18.724	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15458	19.309	ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	51068	18.216	ug/l		97
94) Hexachlorobutadiene	13.725	225	20613	18.417	ug/l		99
95) Naphthalene	13.780	128	200186	17.990	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	53070	18.605	ug/l		99

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Quant Title : SW846 8260
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Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations APPROVED

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

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

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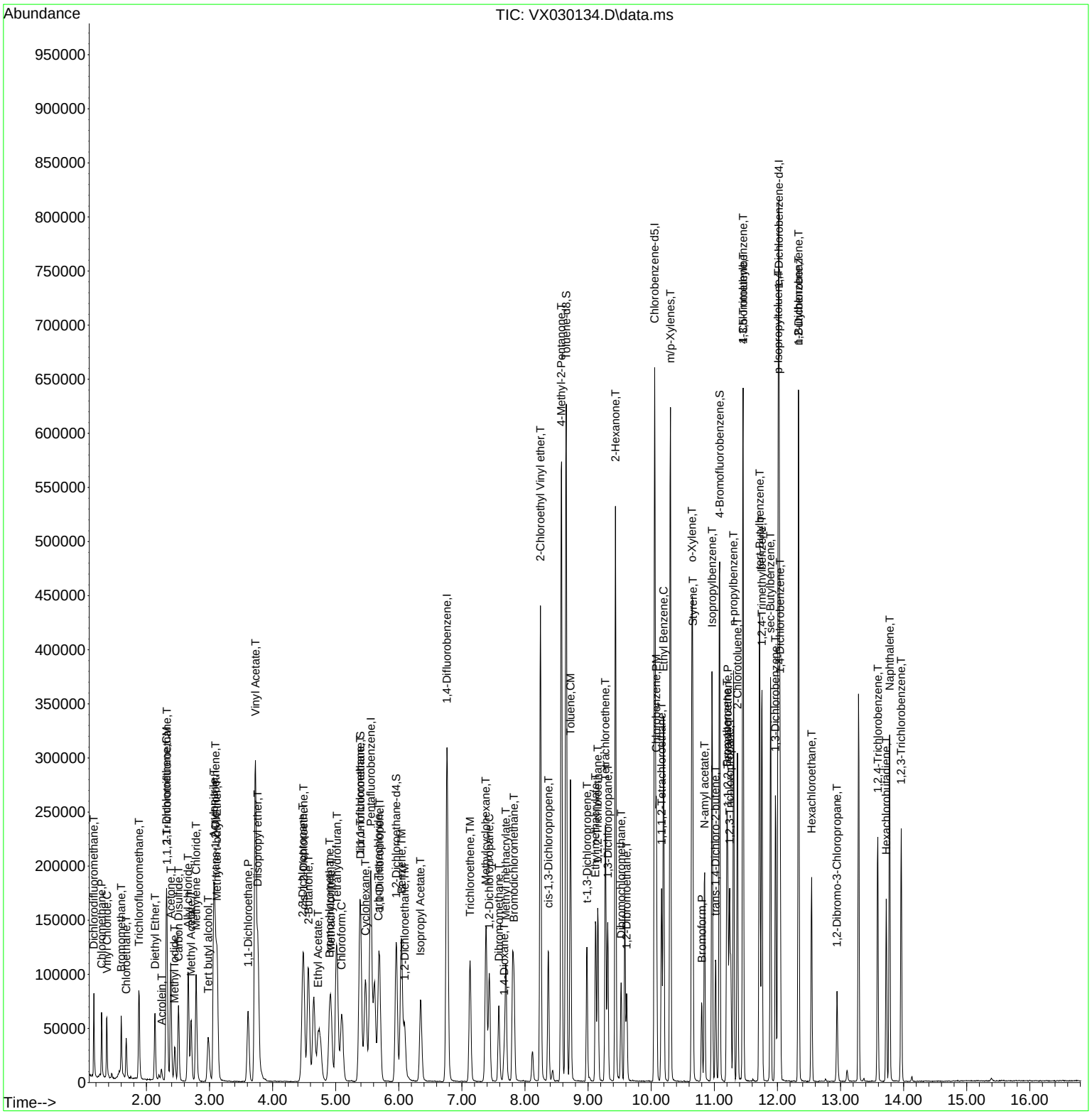
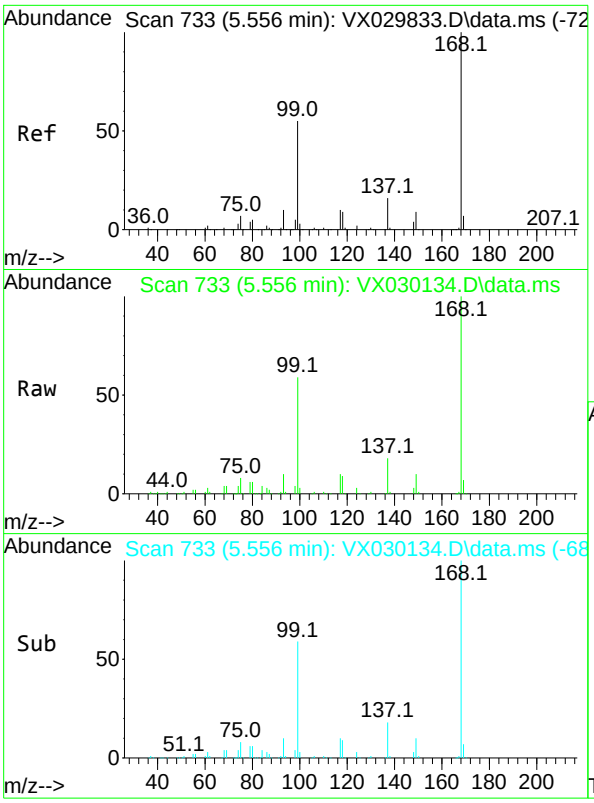
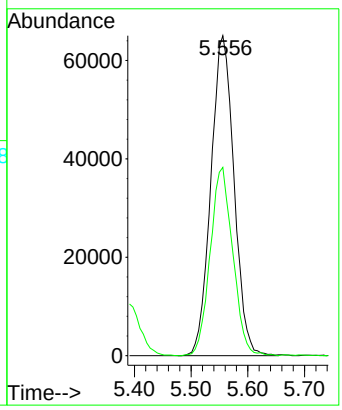




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:168 Resp: 18411

Ion	Ratio	Lower	Upper
168	100		
99	58.8	44.0	66.0



Instrument :
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ClientSampleId :
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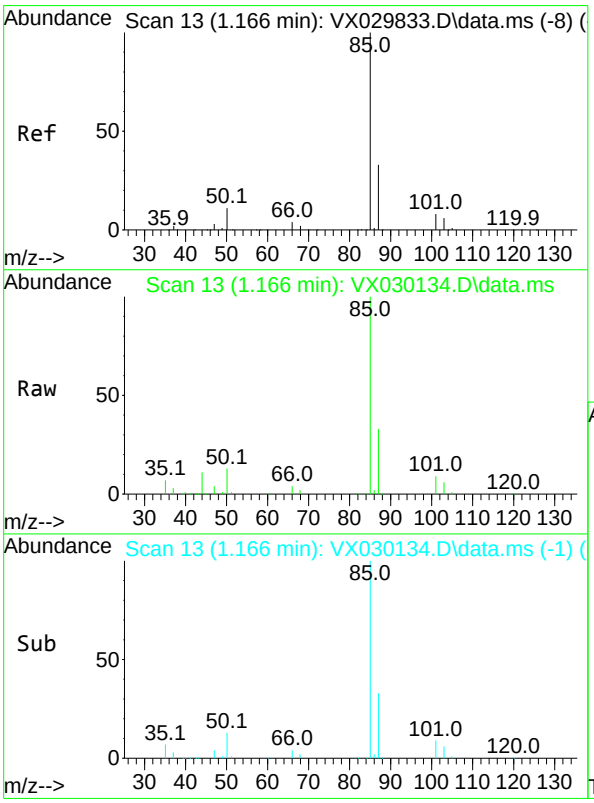
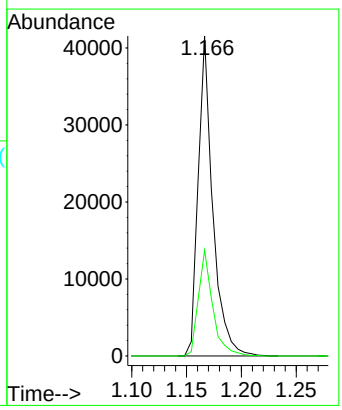
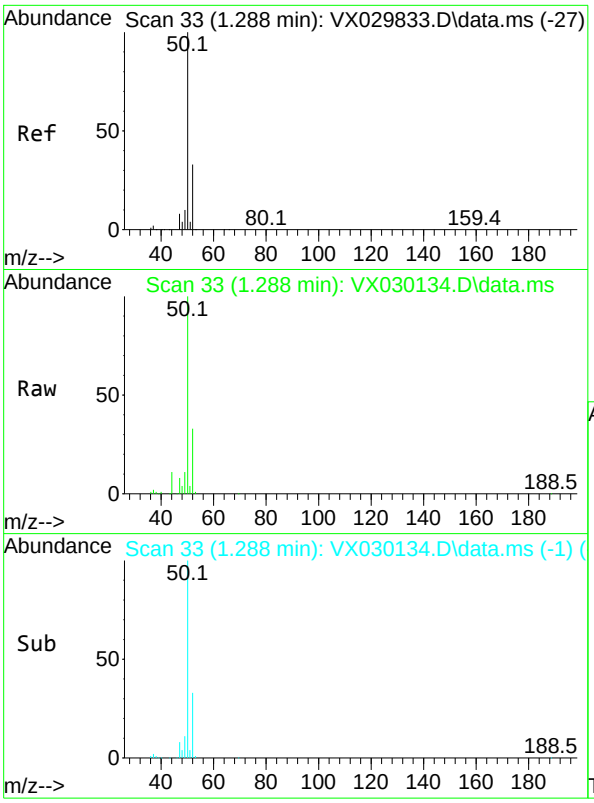


#2
Dichlorodifluoromethane
Concen: 17.643 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 85 Resp: 38232

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5

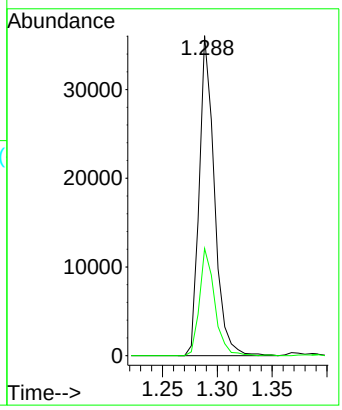




#3
Chloromethane
Concen: 18.087 ug/l
RT: 1.288 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 50 Resp: 3470

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.3	39.5



Instrument :
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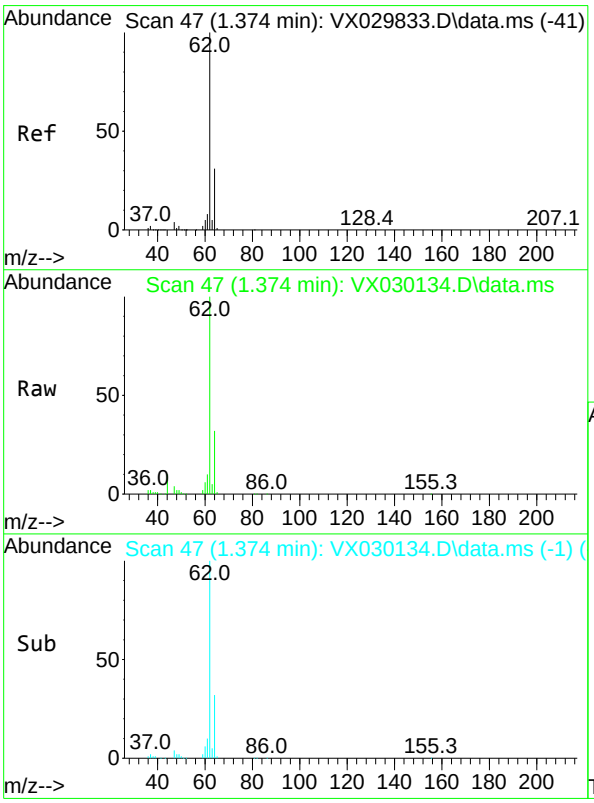
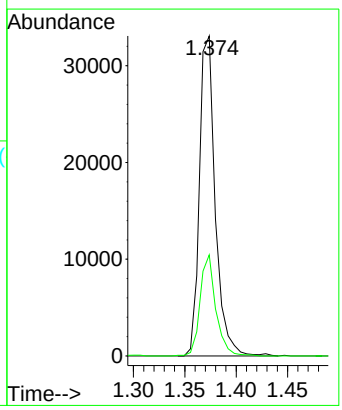
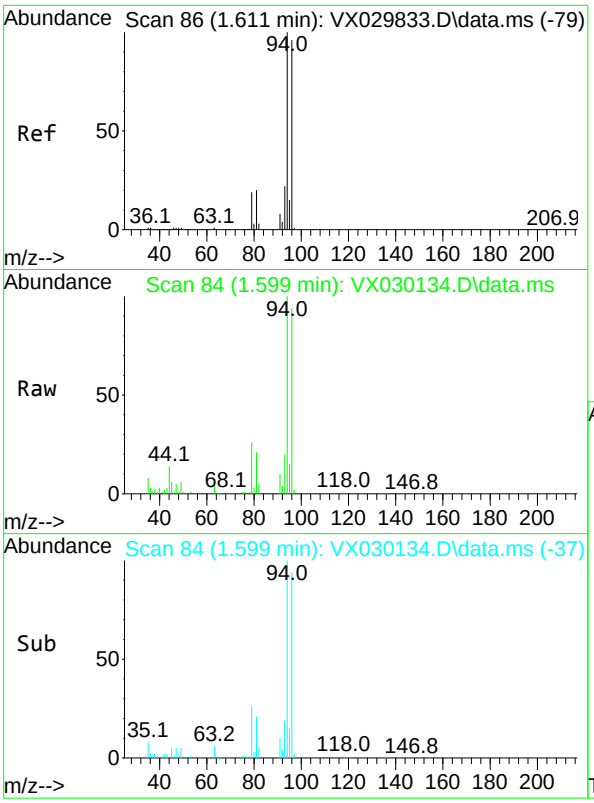


#4
Vinyl Chloride
Concen: 16.700 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 62 Resp: 35587

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.2	37.8

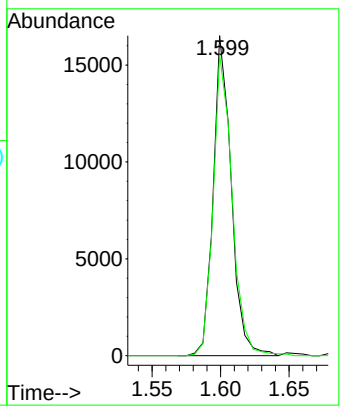




#5
Bromomethane
Concen: 16.664 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.012 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 94 Resp: 1508

Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.9	115.3



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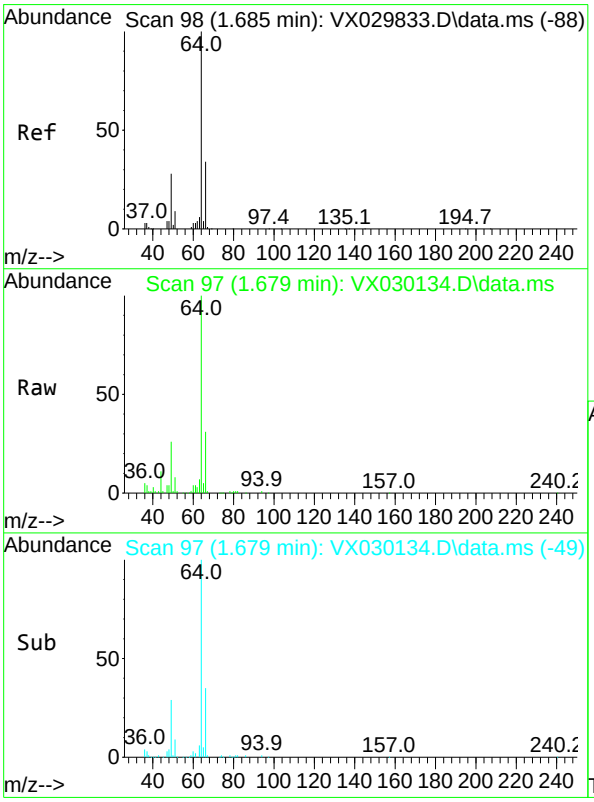
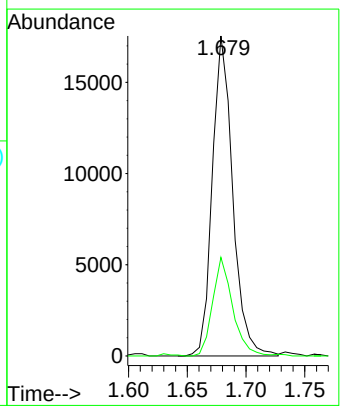
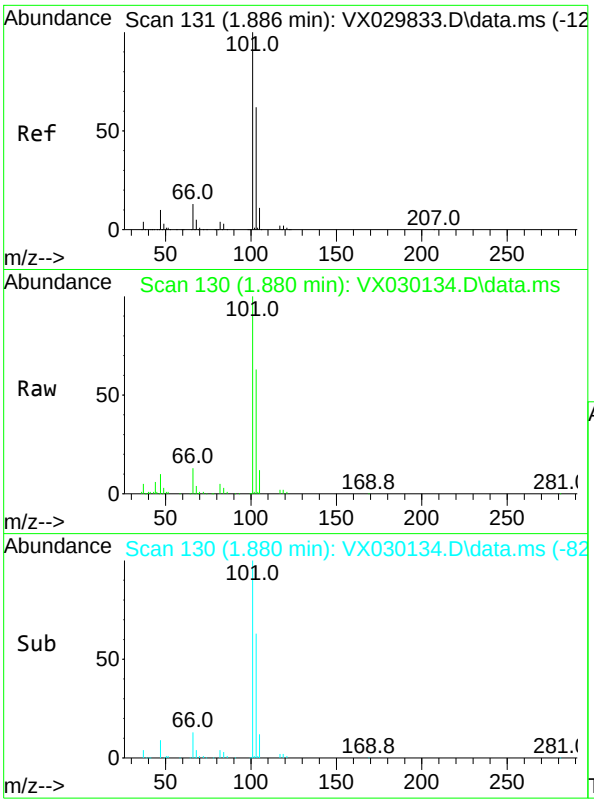


#6
Chloroethane
Concen: 17.642 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 64 Resp: 21171

Ion	Ratio	Lower	Upper
64	100		
66	30.5	27.2	40.8

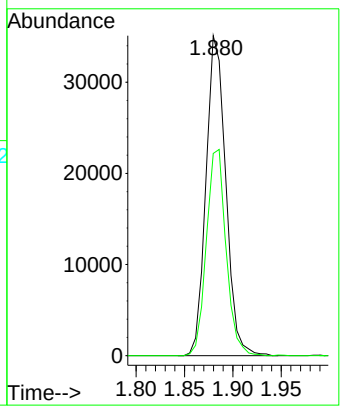




#7
Trichlorofluoromethane
Concen: 18.193 ug/l
RT: 1.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:101 Resp: 5006

Ion	Ratio	Lower	Upper
101	100		
103	63.2	49.7	74.5



Instrument :
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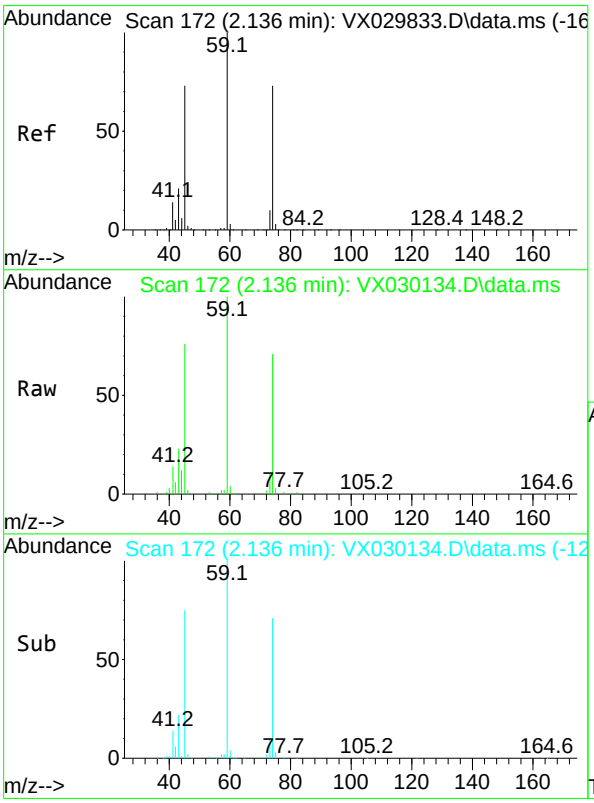
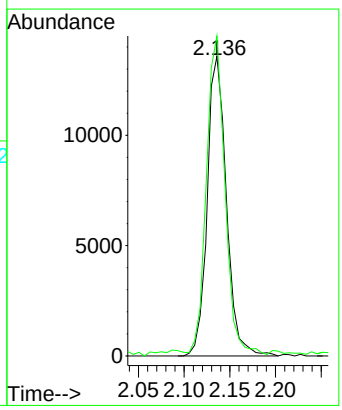
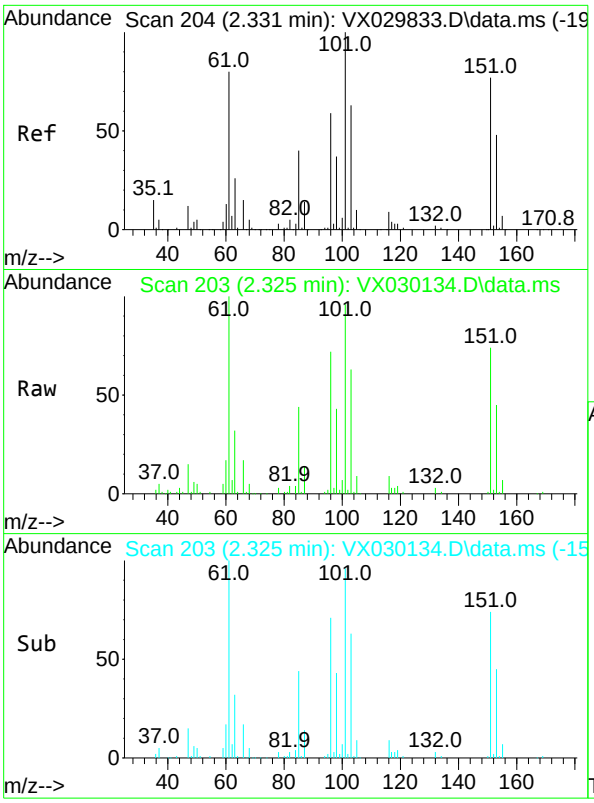


#8
Diethyl Ether
Concen: 17.361 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 74 Resp: 19766

Ion	Ratio	Lower	Upper
74	100		
45	103.5	51.5	154.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.972 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:101 Resp: 3564

Ion	Ratio	Lower	Upper
101	100		
85	45.8	34.0	51.0
151	77.7	59.4	89.0

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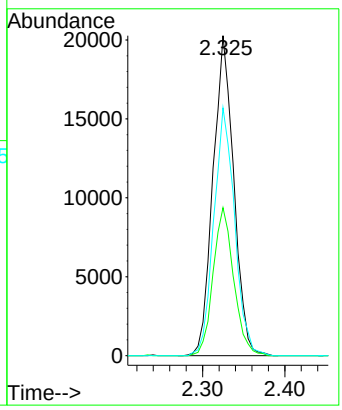
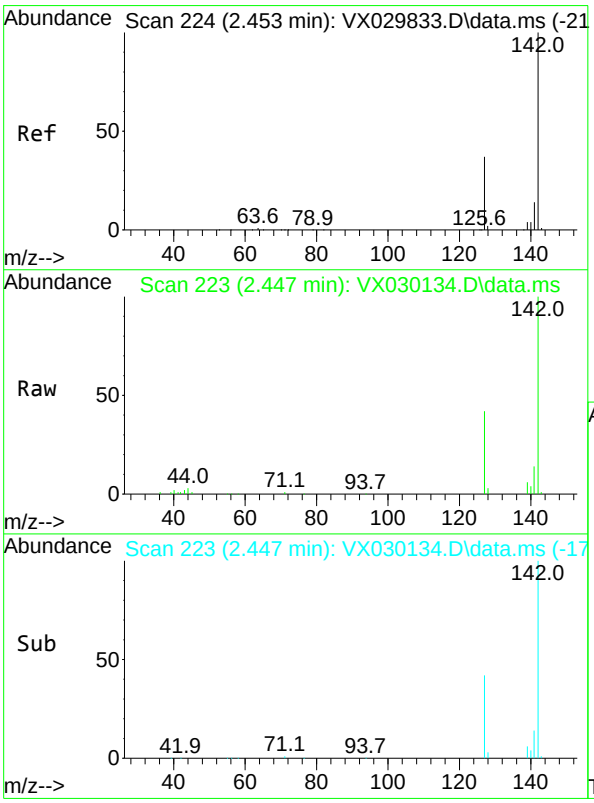
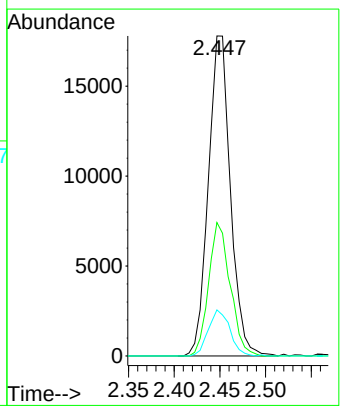


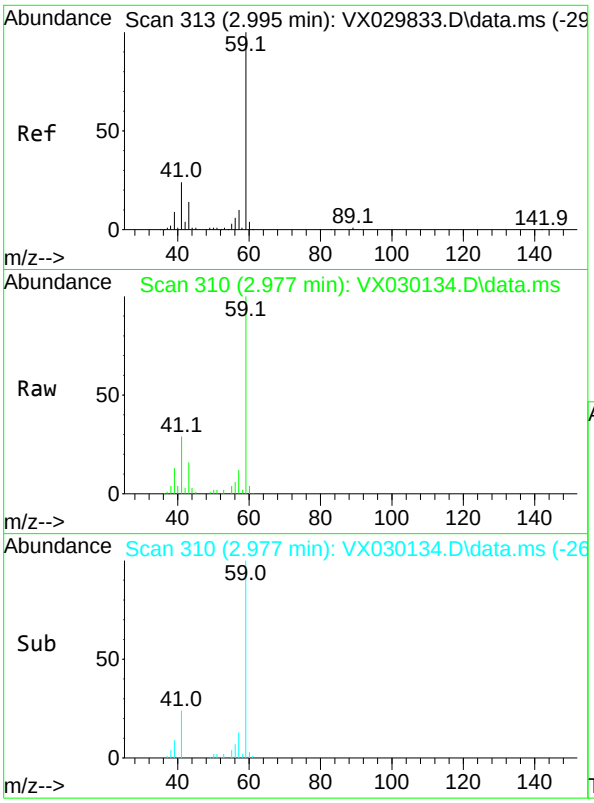


#10
Methyl Iodide
Concen: 17.832 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:142 Resp: 29890

Ion	Ratio	Lower	Upper
142	100		
127	40.5	30.2	45.2
141	14.0	11.3	16.9





#11
Tert butyl alcohol
Concen: 88.476 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.018 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 59 Resp: 5117

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.4	11.2

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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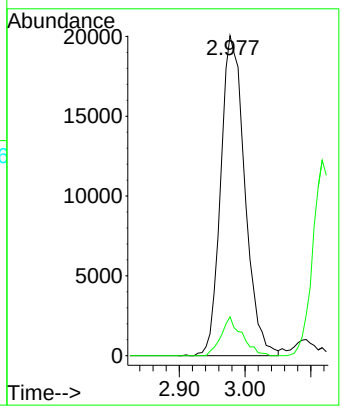
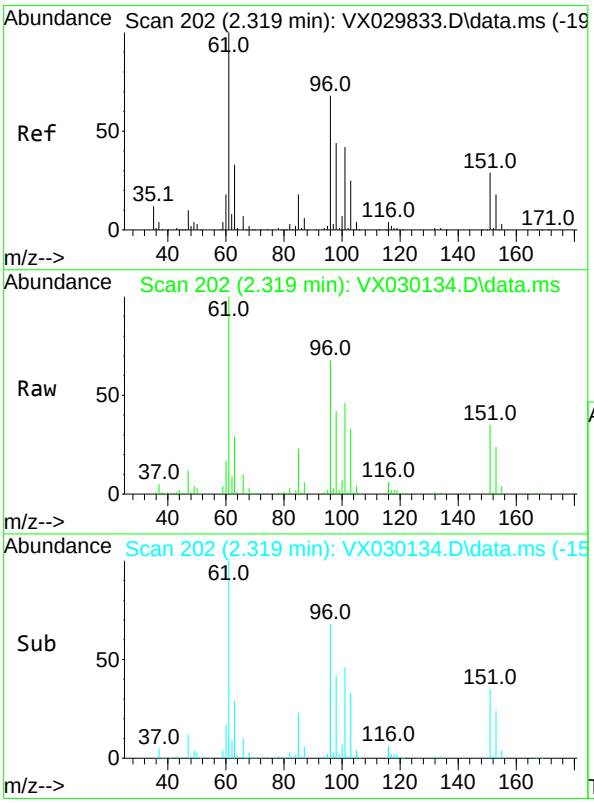
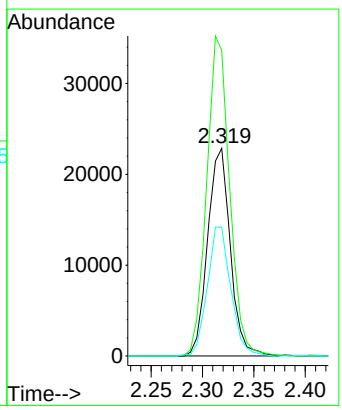


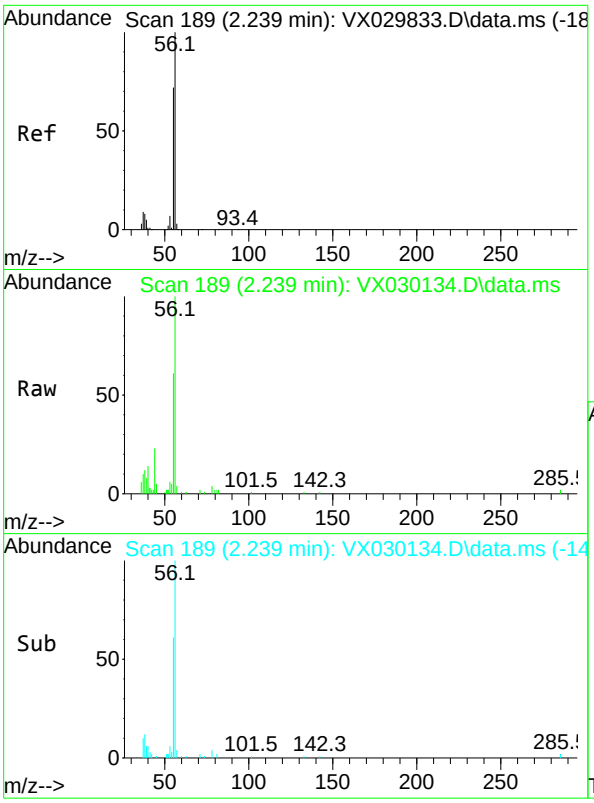


#12
1,1-Dichloroethene
Concen: 18.664 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 96 Resp: 35011

Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.4	176.0
98	62.0	52.2	78.4

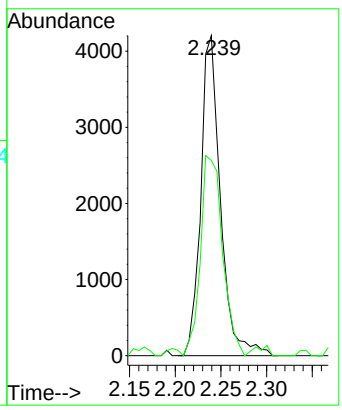




#13
Acrolein
Concen: 54.578 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 56 Resp: 628

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.6	84.8



Instrument :
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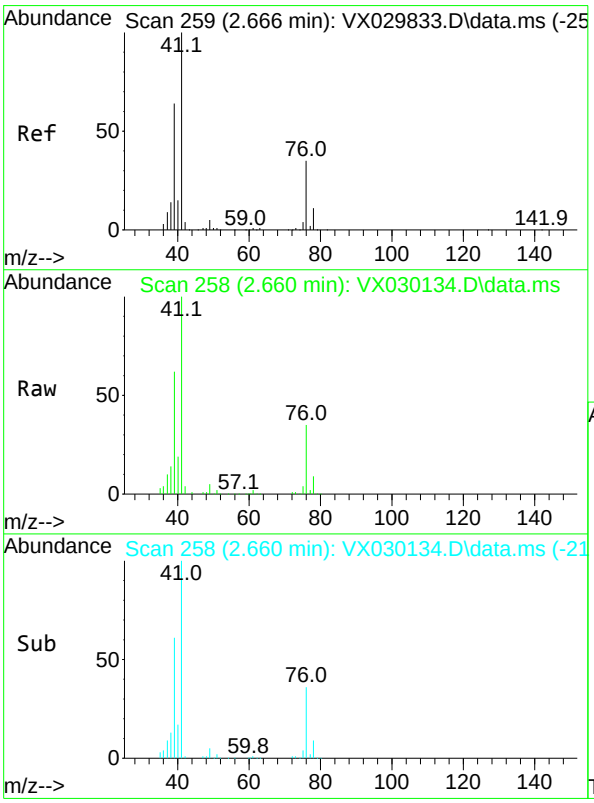
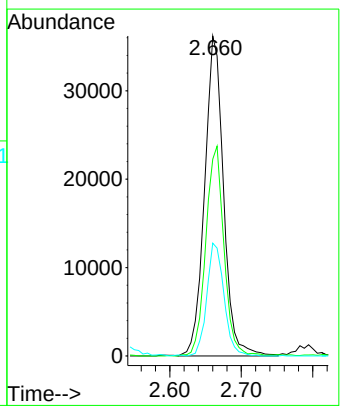
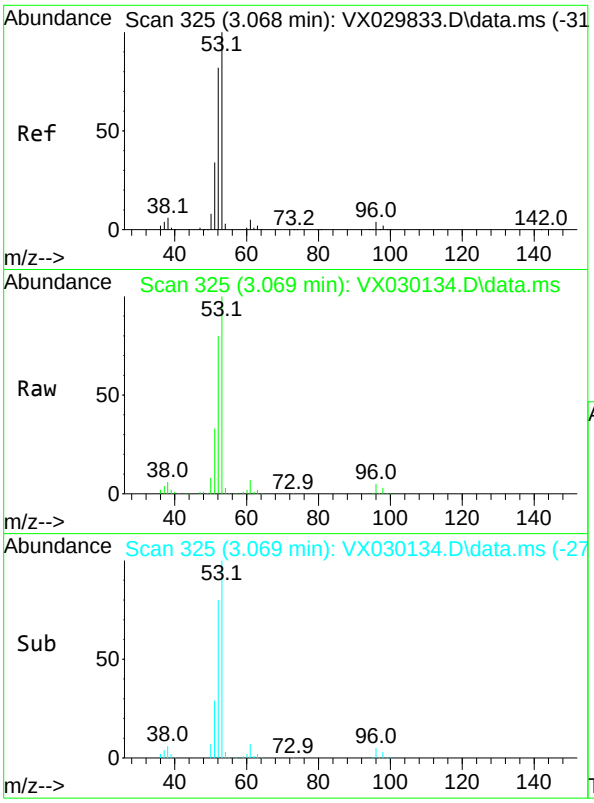


#14
Allyl chloride
Concen: 20.313 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 41 Resp: 66589

Ion	Ratio	Lower	Upper
41	100		
39	63.0	48.9	73.3
76	32.0	26.9	40.3

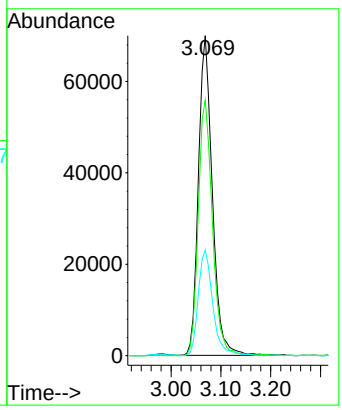




#15
Acrylonitrile
Concen: 103.328 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 53 Resp: 13582

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.4	98.0
51	34.6	27.7	41.5



Instrument :
MSVOA_X
ClientSampleId :
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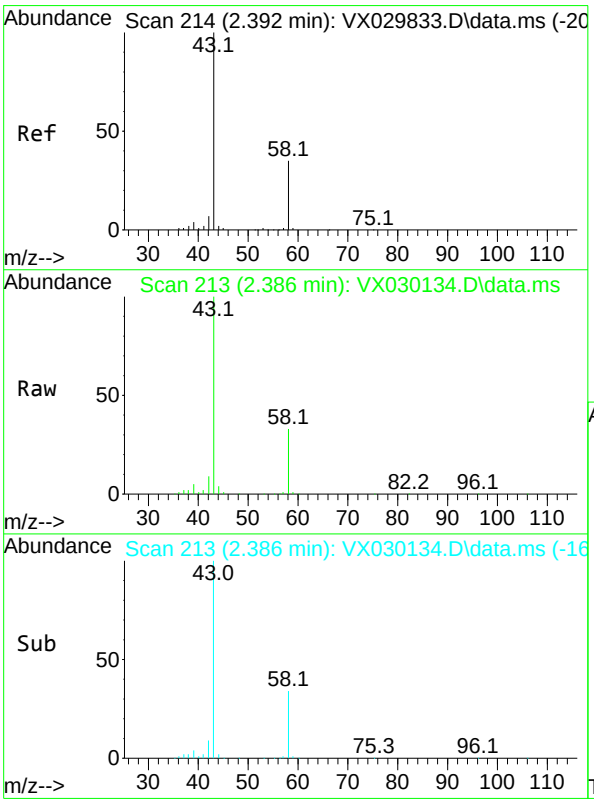
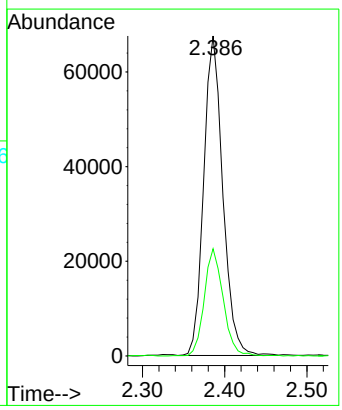
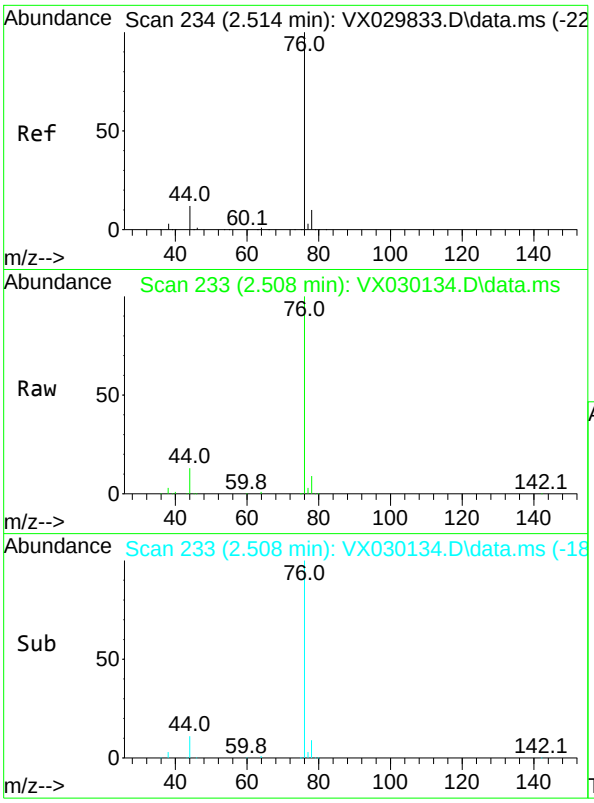


#16
Acetone
Concen: 103.014 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 108781

Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.7	41.5





#17
Carbon Disulfide
Concen: 16.101 ug/l
RT: 2.508 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 76 Resp: 8586

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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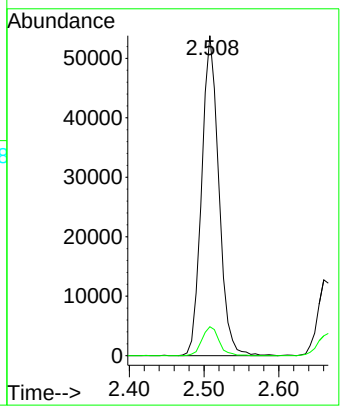
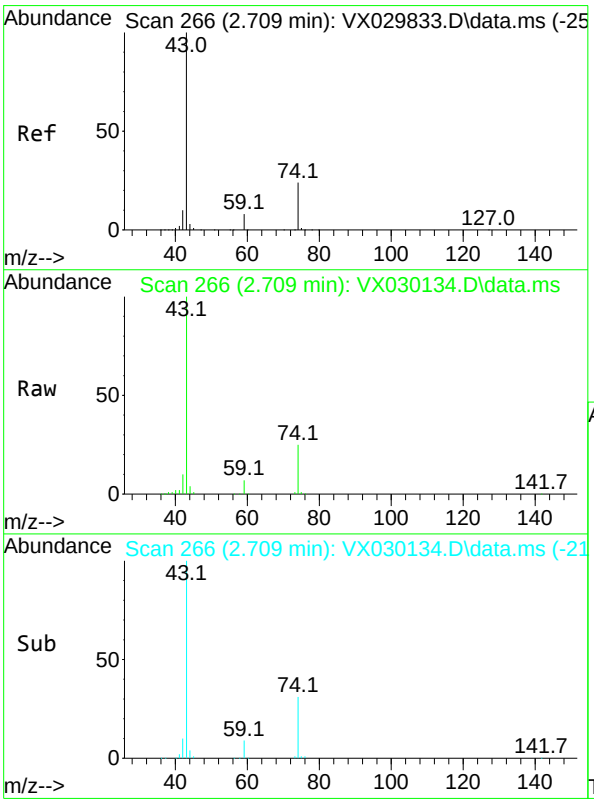
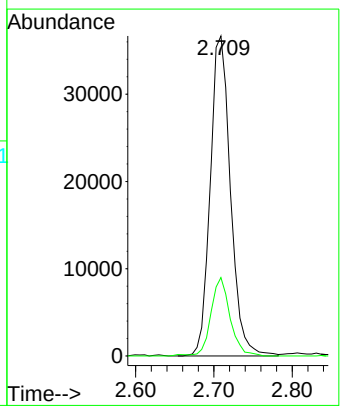


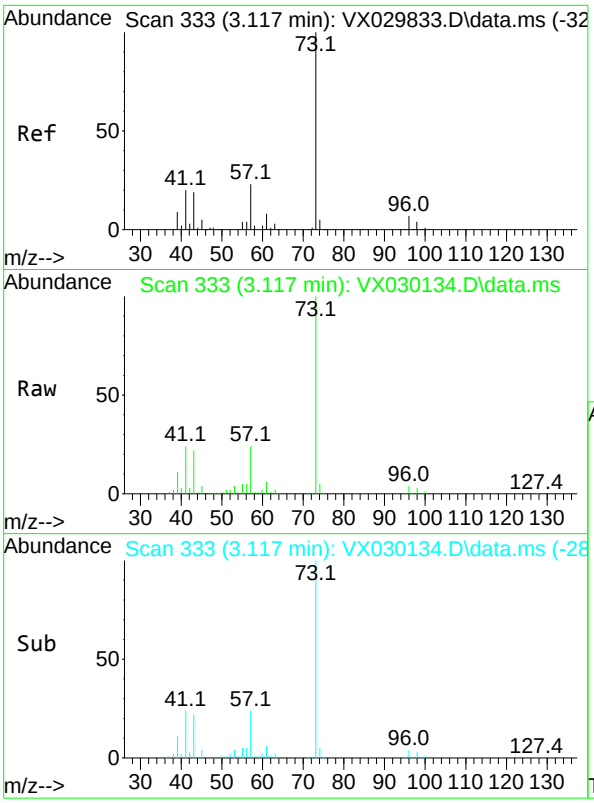


#18
Methyl Acetate
Concen: 20.504 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 65869

Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.4	29.2

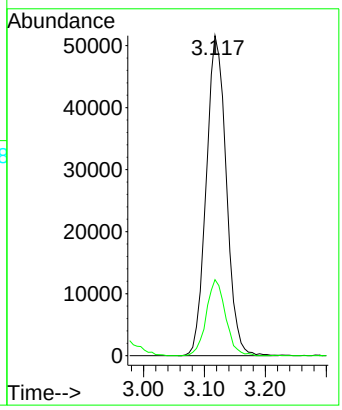




#19
Methyl tert-butyl Ether
Concen: 19.891 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 73 Resp: 11794

Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.0	28.6



Instrument :
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ClientSampleId :
VX0721WBS02

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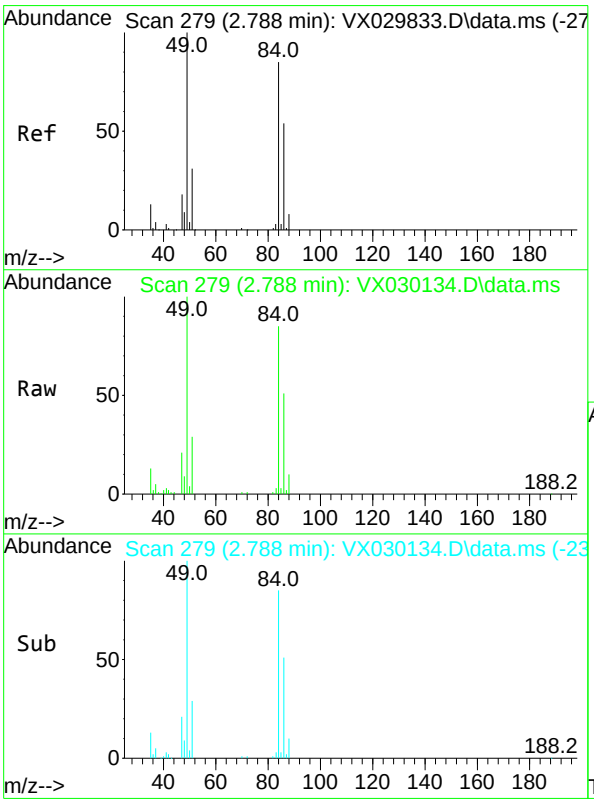
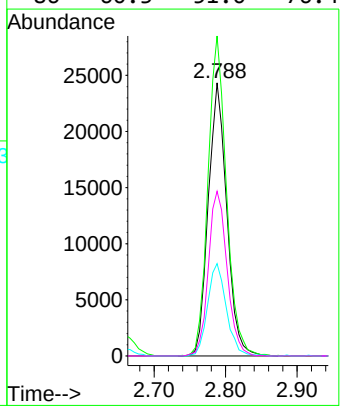
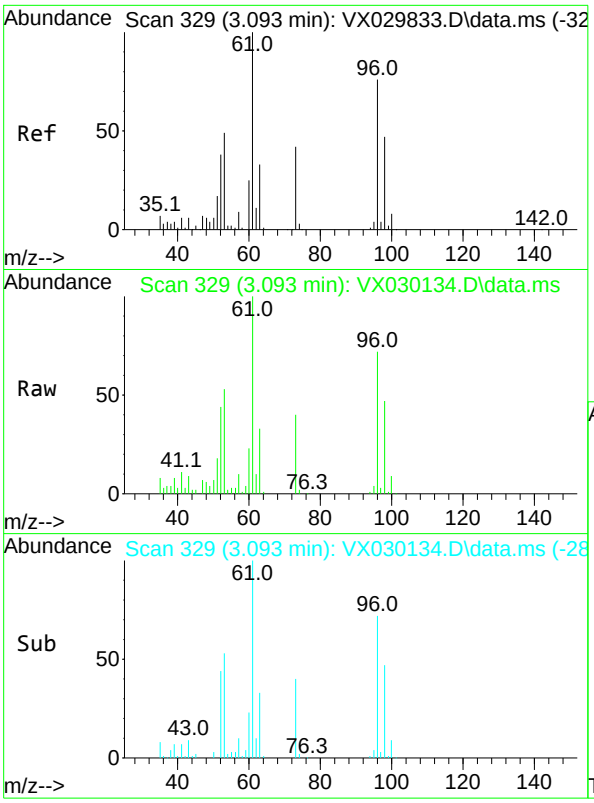


#20
Methylene Chloride
Concen: 19.311 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 84 Resp: 43702

Ion	Ratio	Lower	Upper
84	100		
49	117.2	93.8	140.6
51	33.8	29.4	44.0
86	60.3	51.0	76.4

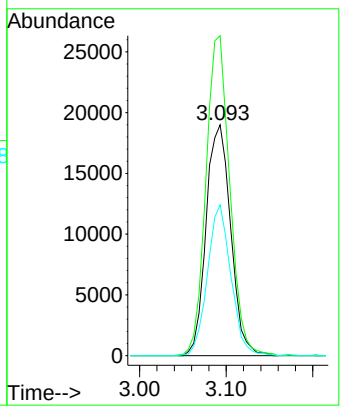




#21
trans-1,2-Dichloroethene
Concen: 19.180 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 96 Resp: 3750

Ion	Ratio	Lower	Upper
96	100		
61	138.6	105.6	158.4
98	65.4	50.1	75.1



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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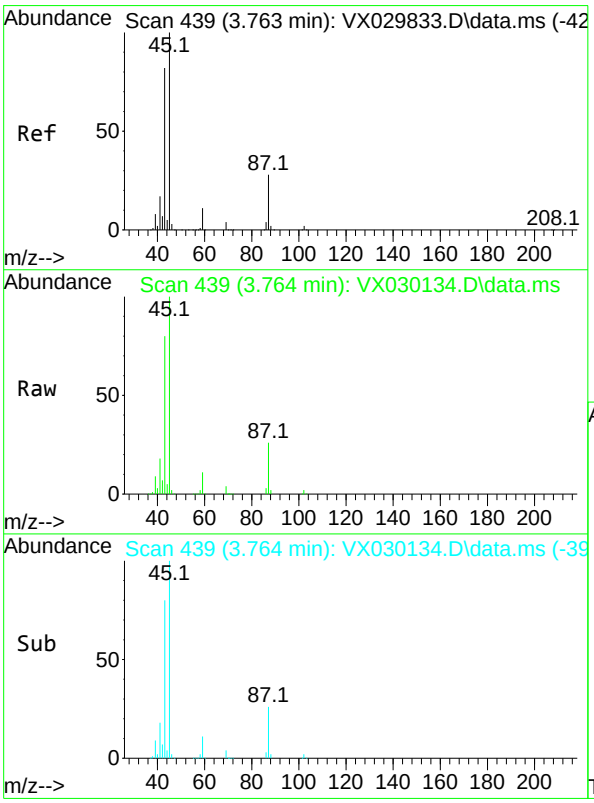
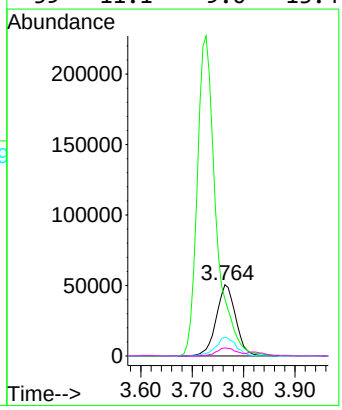
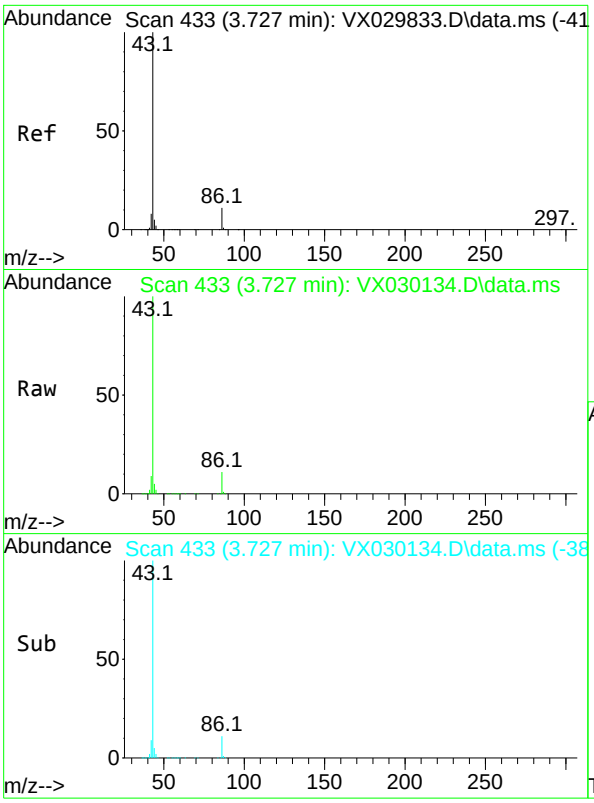


#22
Diisopropyl ether
Concen: 20.748 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 45 Resp: 133136

Ion	Ratio	Lower	Upper
45	100		
43	79.5	65.4	98.0
87	26.1	22.3	33.5
59	11.1	9.0	13.4





#23
Vinyl Acetate
Concen: 105.785 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 57463

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.5	12.7

Instrument :
MSVOA_X
ClientSampleId :
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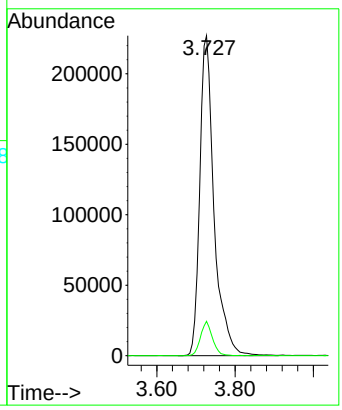
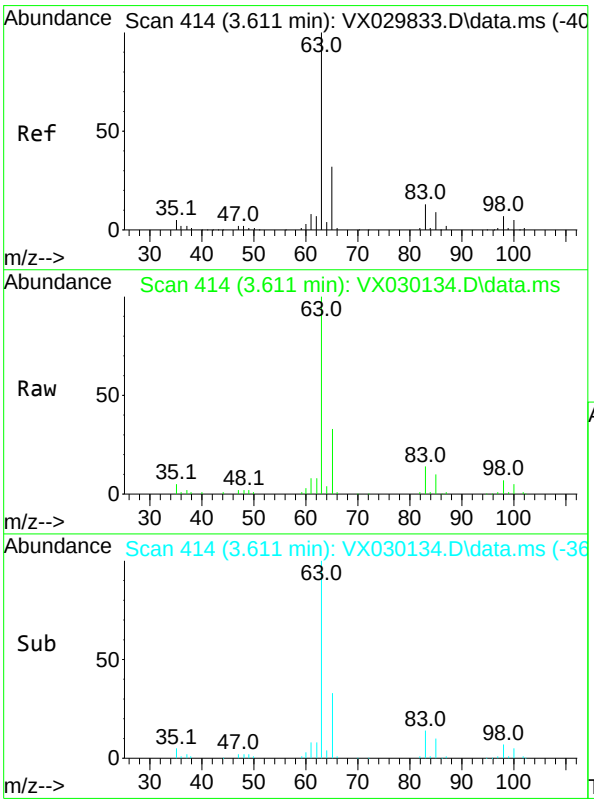
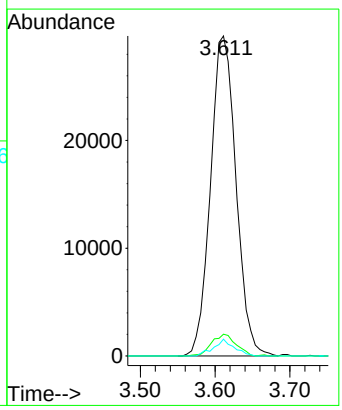


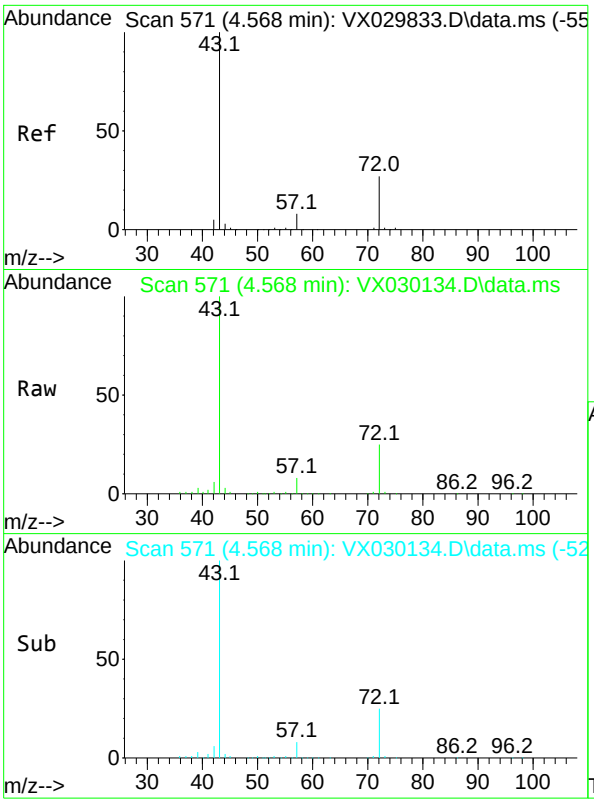


#24
1,1-Dichloroethane
Concen: 19.841 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 63 Resp: 70547

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	5.2	2.3	6.9





#25
2-Butanone
Concen: 102.692 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 18472

Ion	Ratio	Lower	Upper
43	100		
72	25.3	21.7	32.5

Instrument :
MSVOA_X
ClientSampleId :
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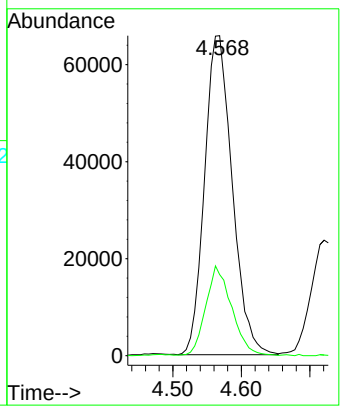
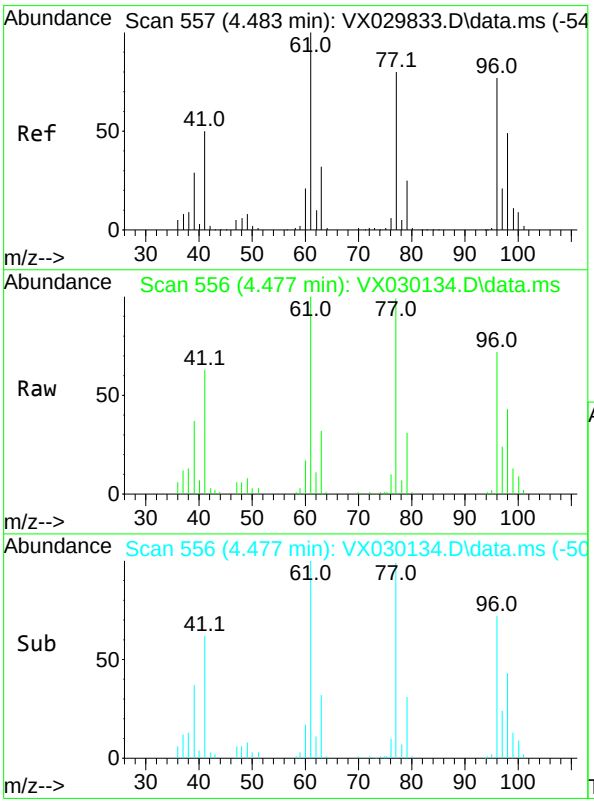
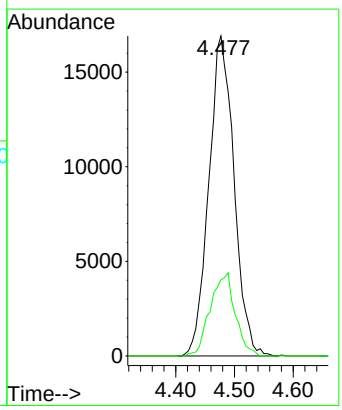


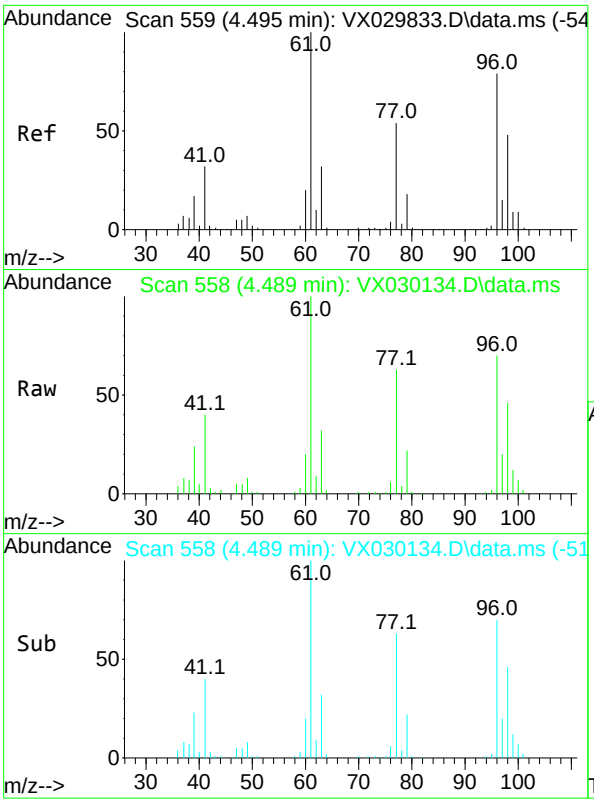


#26
2,2-Dichloropropane
Concen: 20.147 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 77 Resp: 50323

Ion	Ratio	Lower	Upper
77	100		
97	25.7	13.0	39.0

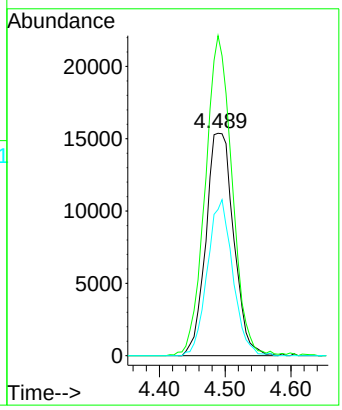




#27
cis-1,2-Dichloroethene
Concen: 18.899 ug/l
RT: 4.489 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 96 Resp: 4525

Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	270.0
98	64.1	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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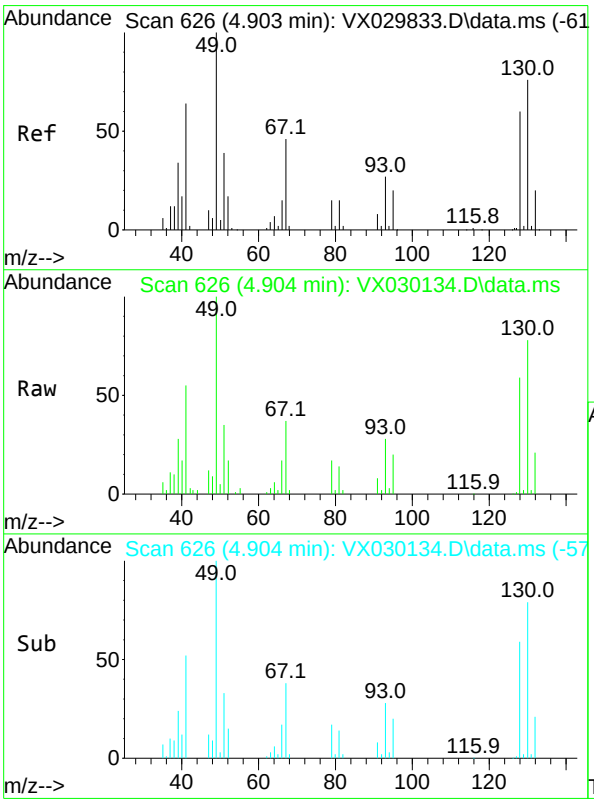
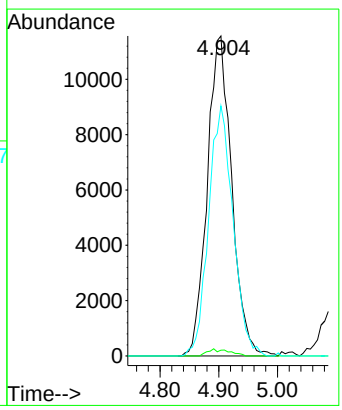
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

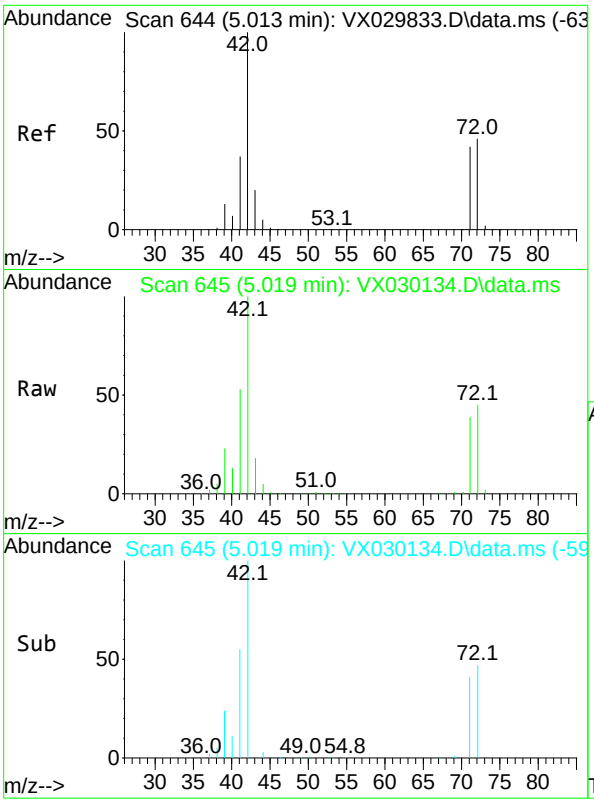


#28
Bromochloromethane
Concen: 22.404 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.001 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 49 Resp: 33513

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	78.1	62.8	94.2

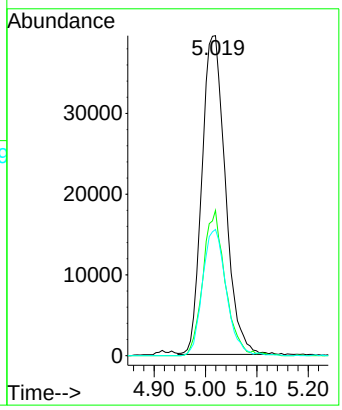




#29
Tetrahydrofuran
Concen: 102.507 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 42 Resp: 12513

Ion	Ratio	Lower	Upper
42	100		
72	43.5	36.5	54.7
71	40.2	33.9	50.9



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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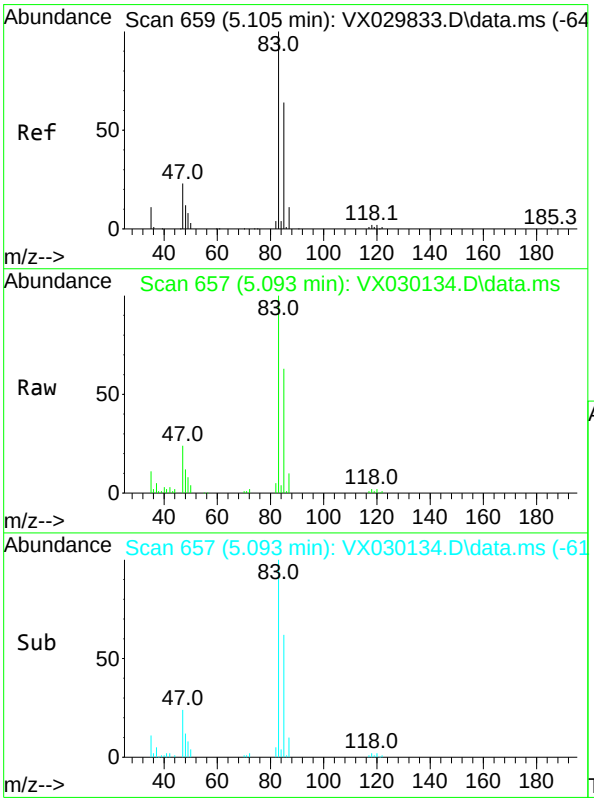
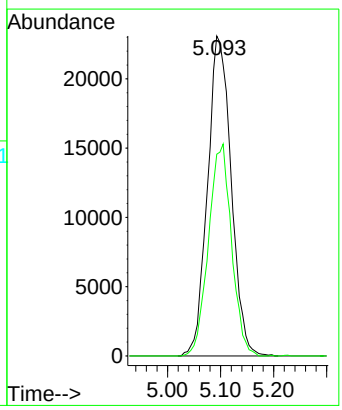
Supervised By :Mahesh Dadoda 07/21/2022

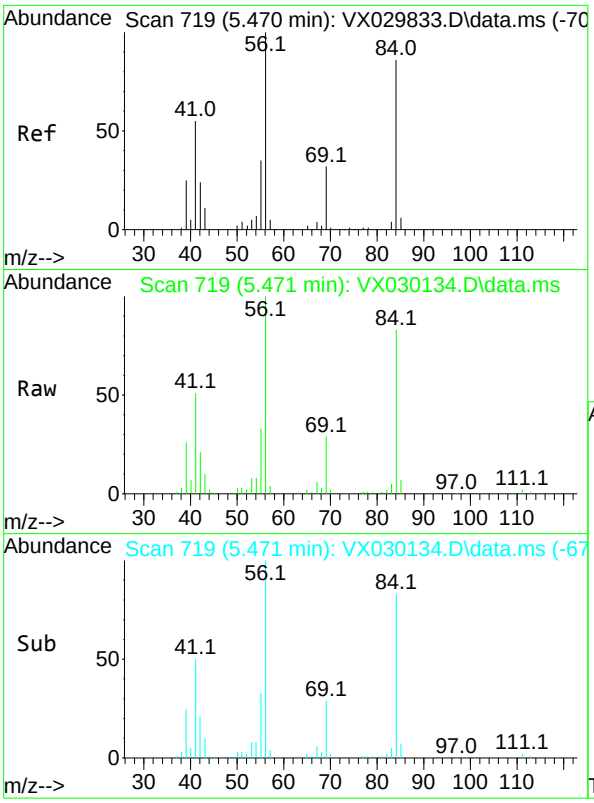


#30
Chloroform
Concen: 20.157 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.012 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 83 Resp: 71427

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3

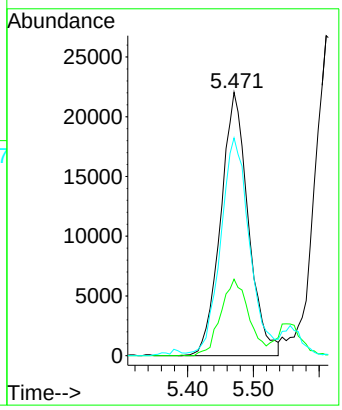




#31
Cyclohexane
Concen: 19.833 ug/l
RT: 5.471 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 56 Resp: 6443

Ion	Ratio	Lower	Upper
56	100		
69	29.1	25.4	38.0
84	80.8	68.9	103.3



Instrument :
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ClientSampleId :
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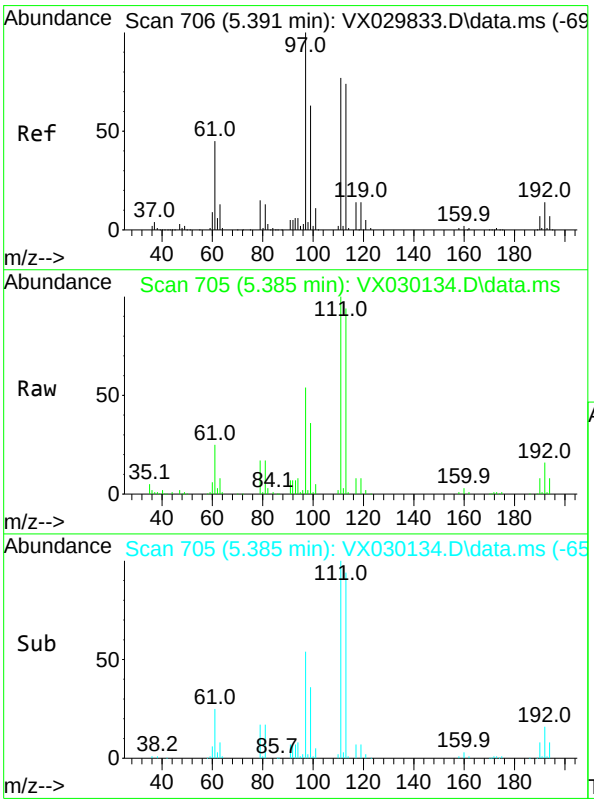
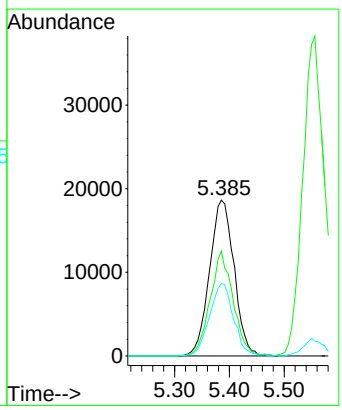
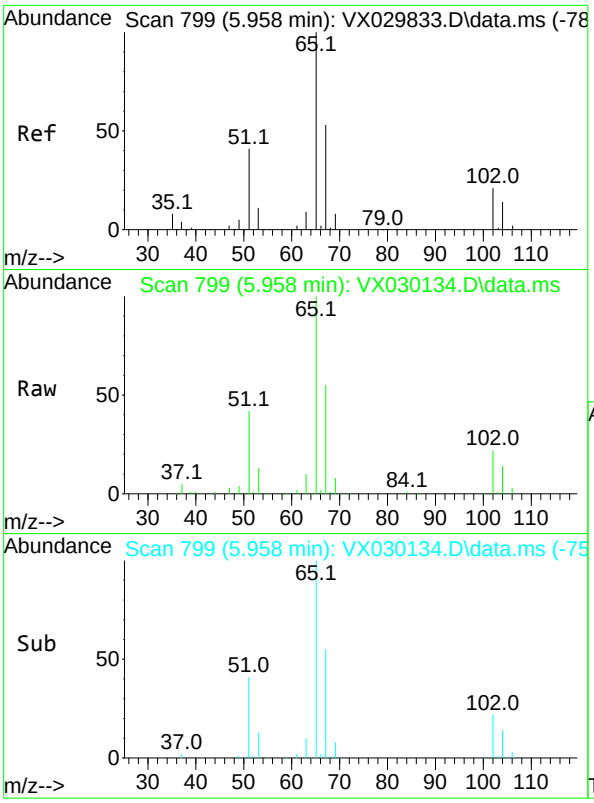


#32
1,1,1-Trichloroethane
Concen: 20.000 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 97 Resp: 57923

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.4	77.0
61	45.8	35.8	53.8

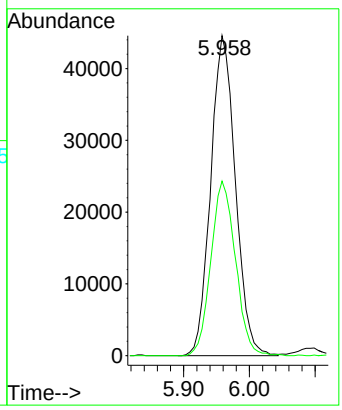




#33
1,2-Dichloroethane-d4
Concen: 52.032 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 65 Resp: 11660

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	109.6



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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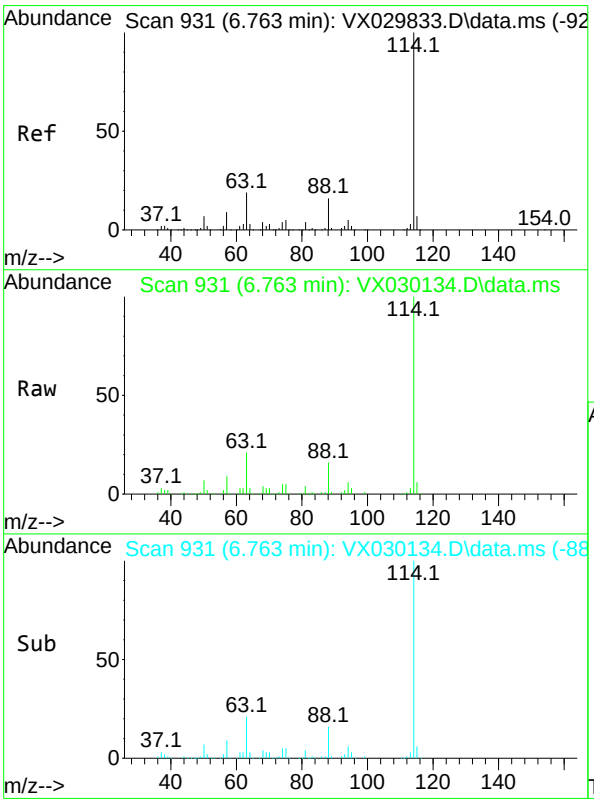
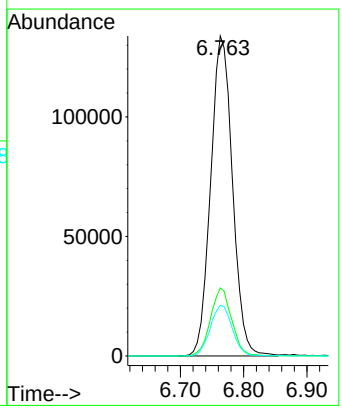
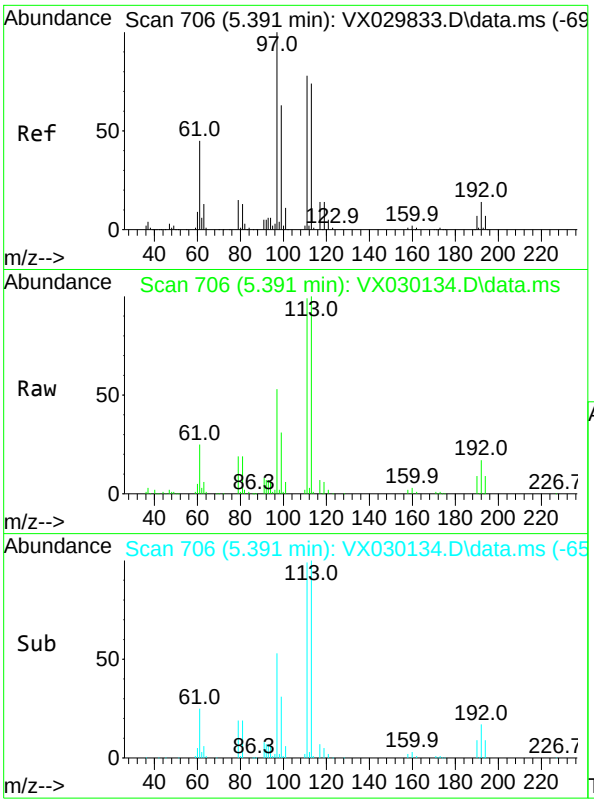


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:114 Resp: 320459

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	38.4
88	15.8	0.0	31.8

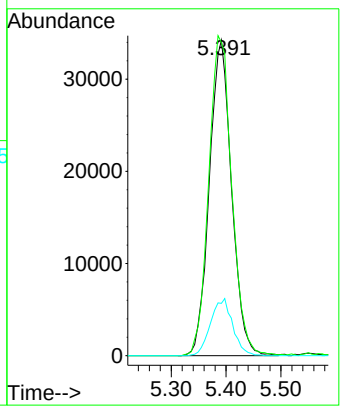




#35
Dibromofluoromethane
Concen: 47.125 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:113 Resp: 9647

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.2	124.8
192	18.0	14.8	22.2



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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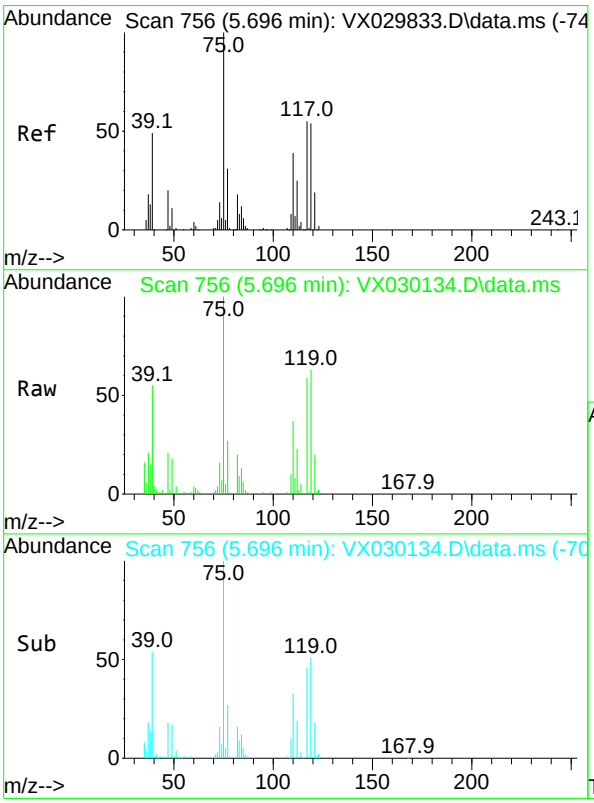
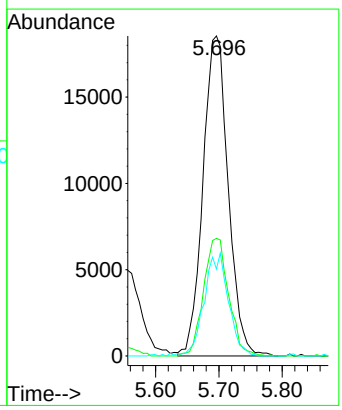
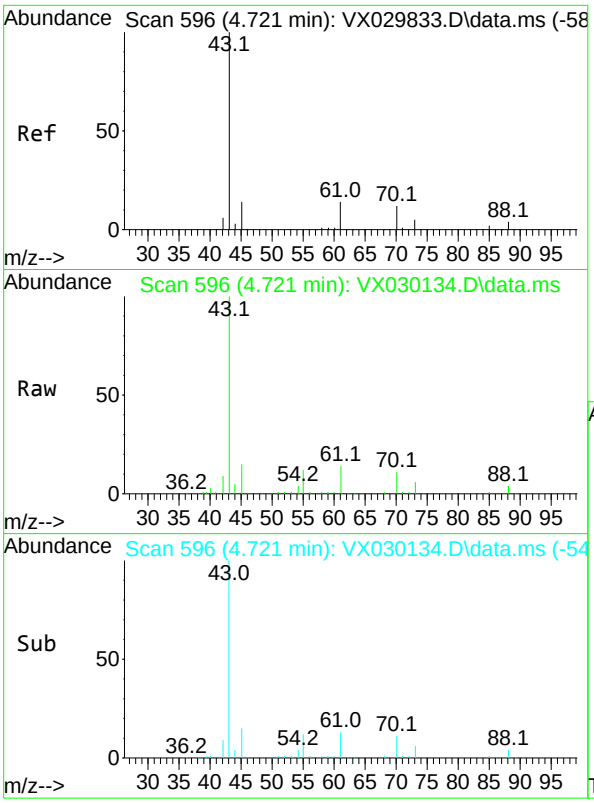


#36
1,1-Dichloropropene
Concen: 19.481 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 75 Resp: 51515

Ion	Ratio	Lower	Upper
75	100		
110	36.4	19.3	57.9
77	31.0	24.4	36.6

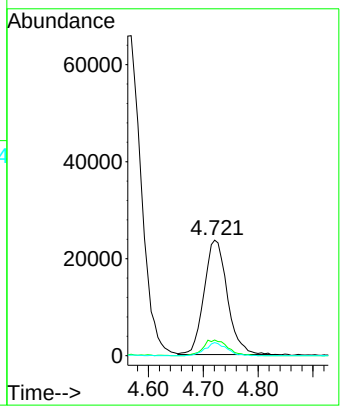




#37
Ethyl Acetate
Concen: 20.470 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 6955

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	10.4	9.3	13.9



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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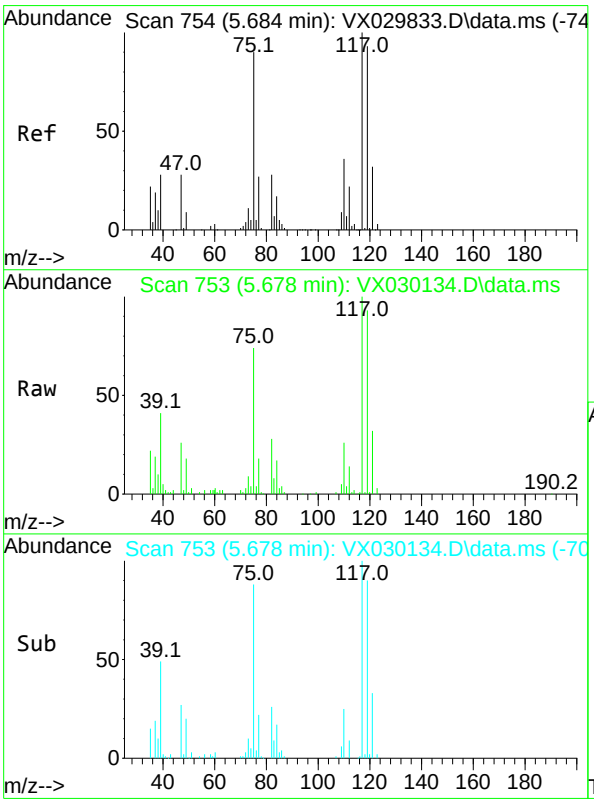
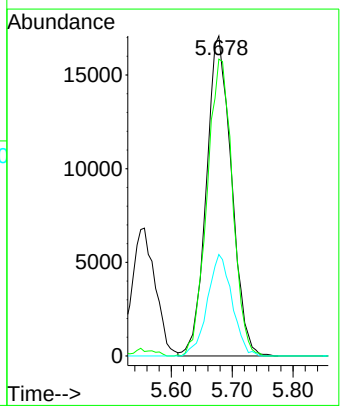
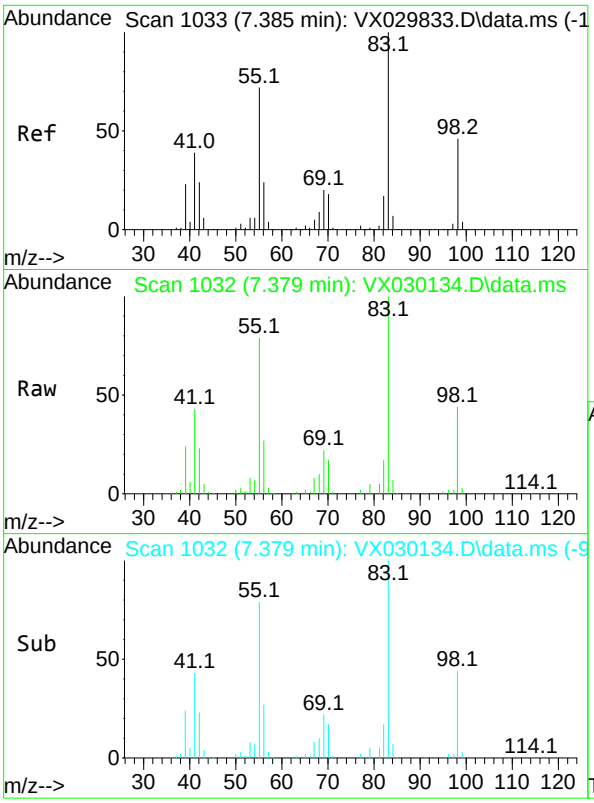


#38
Carbon Tetrachloride
Concen: 19.927 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:117 Resp: 49138

Ion	Ratio	Lower	Upper
117	100		
119	92.7	74.1	111.1
121	31.7	25.8	38.8

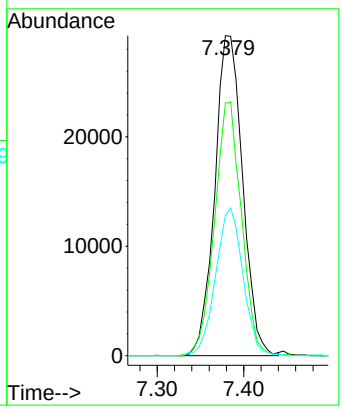




#39
Methylcyclohexane
Concen: 19.510 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 83 Resp: 6540

Ion	Ratio	Lower	Upper
83	100		
55	78.9	57.7	86.5
98	43.9	36.5	54.7



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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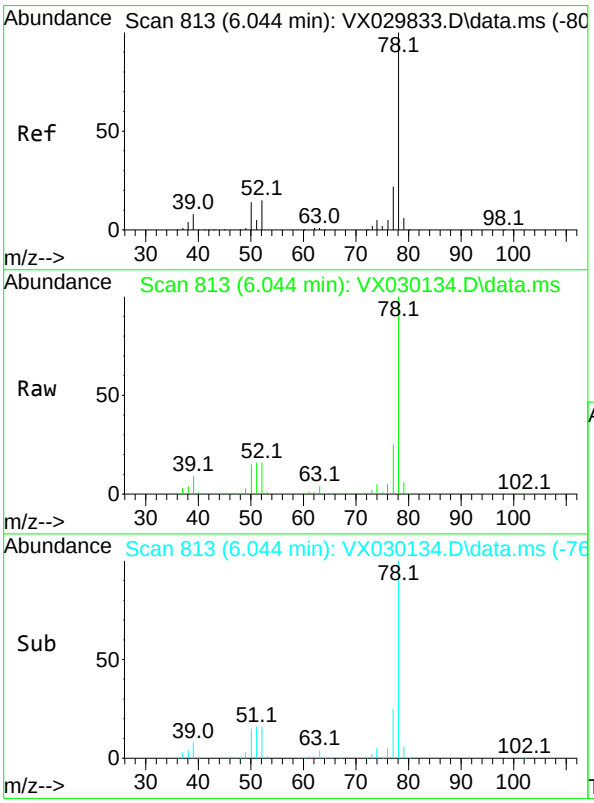
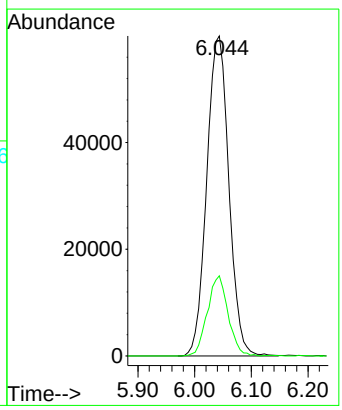
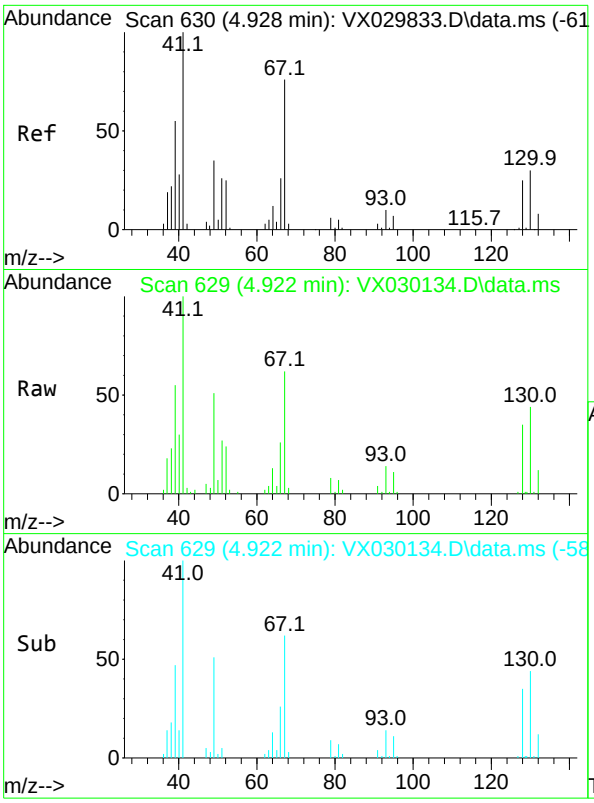


#40
Benzene
Concen: 19.520 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 78 Resp: 162467

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.0	27.0

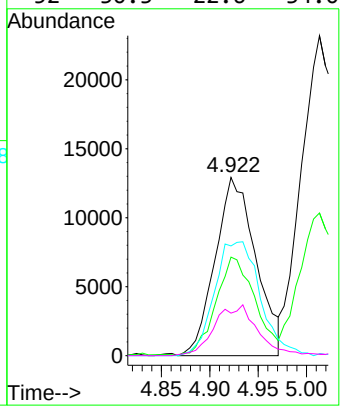




#41
Methacrylonitrile
Concen: 20.704 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 41 Resp: 3788

Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.9	64.3
67	71.4	60.1	90.1
52	30.3	22.6	34.0



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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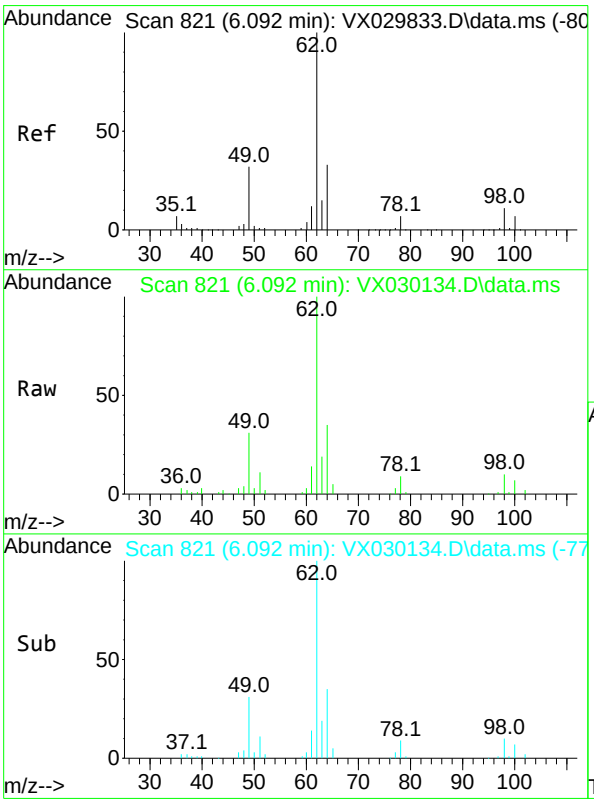
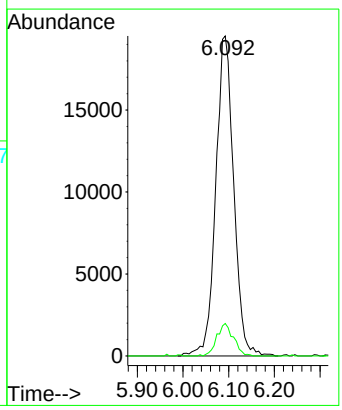
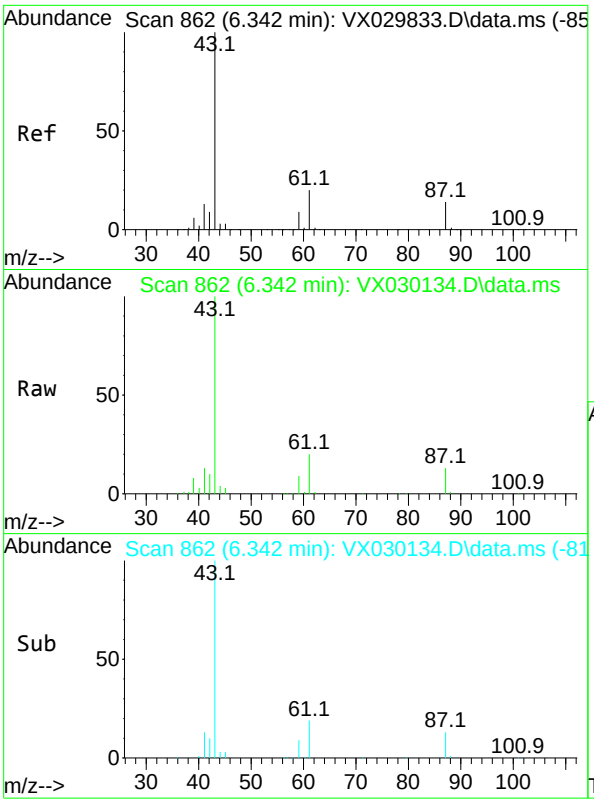


#42
1,2-Dichloroethane
Concen: 20.611 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 62 Resp: 53164

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.2





#43
Isopropyl Acetate
Concen: 20.015 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 10226

Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.5	24.7
87	13.9	11.1	16.7

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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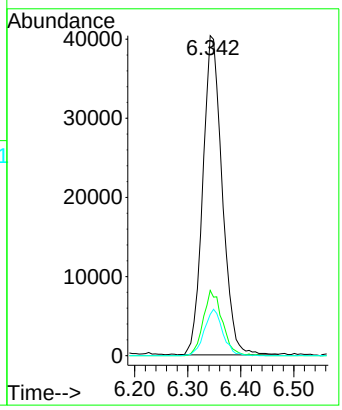
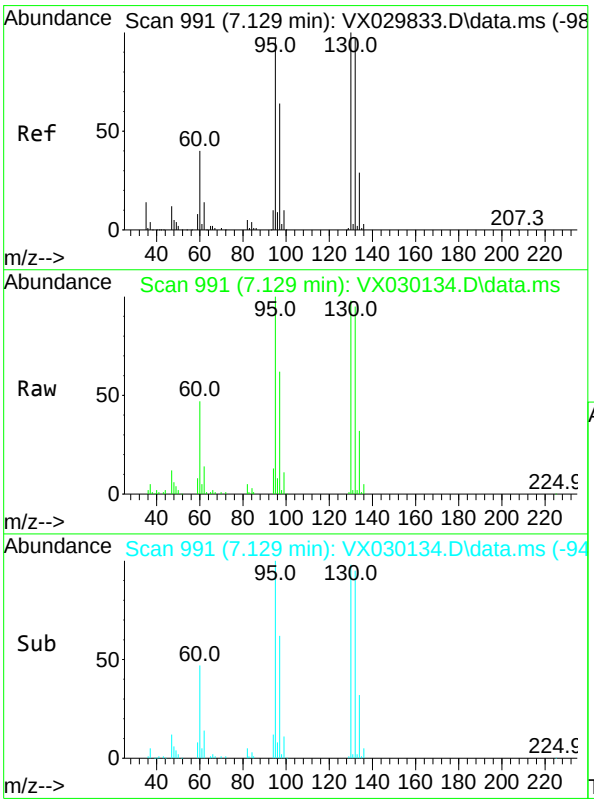
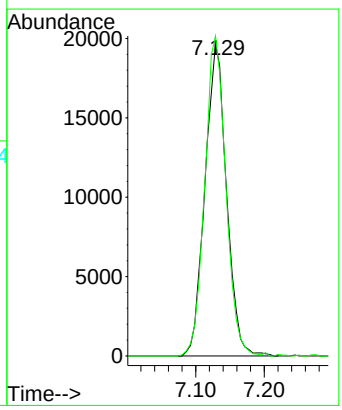


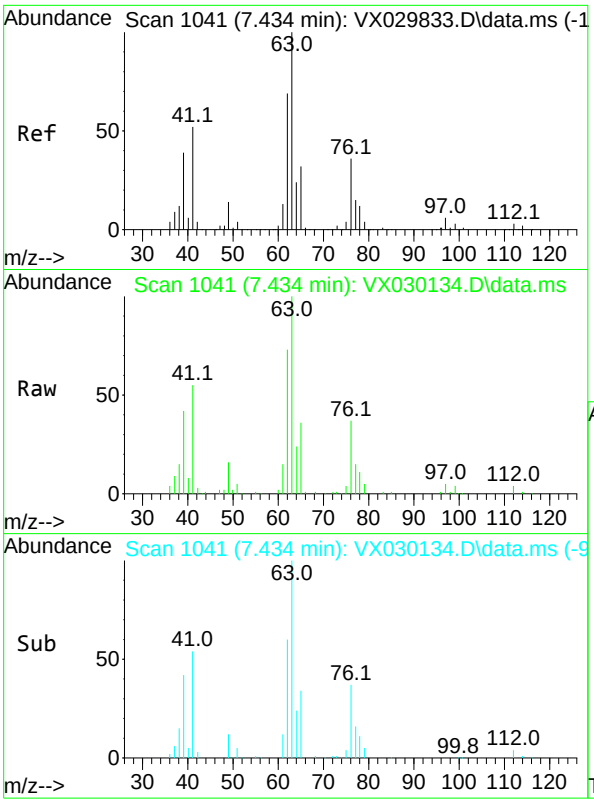


#44
Trichloroethene
Concen: 17.651 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:130 Resp: 42929

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	194.8





#45
1,2-Dichloropropane
Concen: 19.905 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 63 Resp: 4306

Ion	Ratio	Lower	Upper
63	100		
65	36.2	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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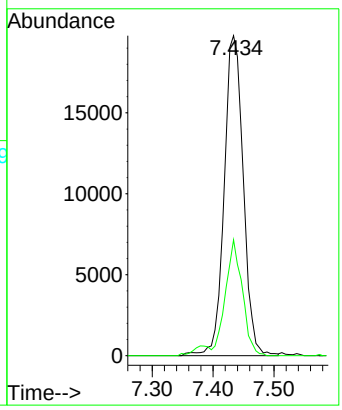
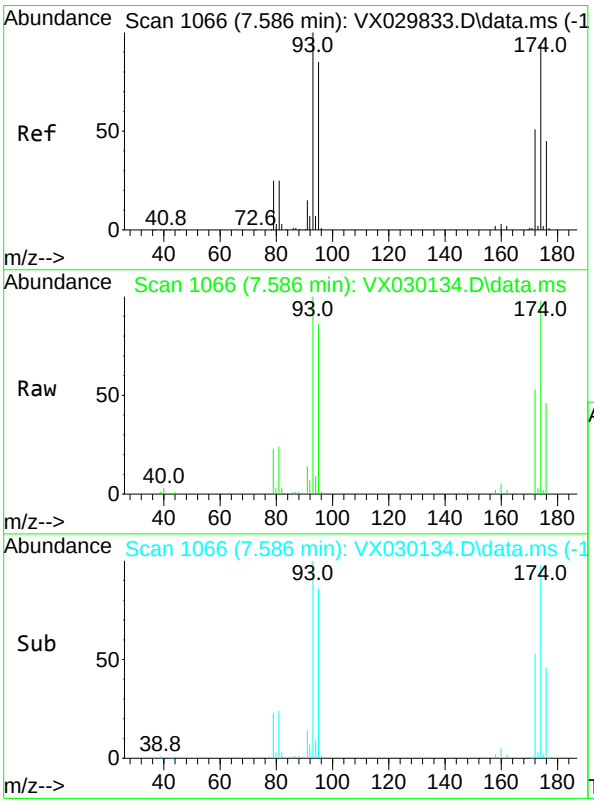
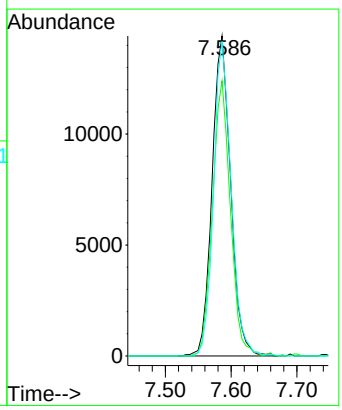


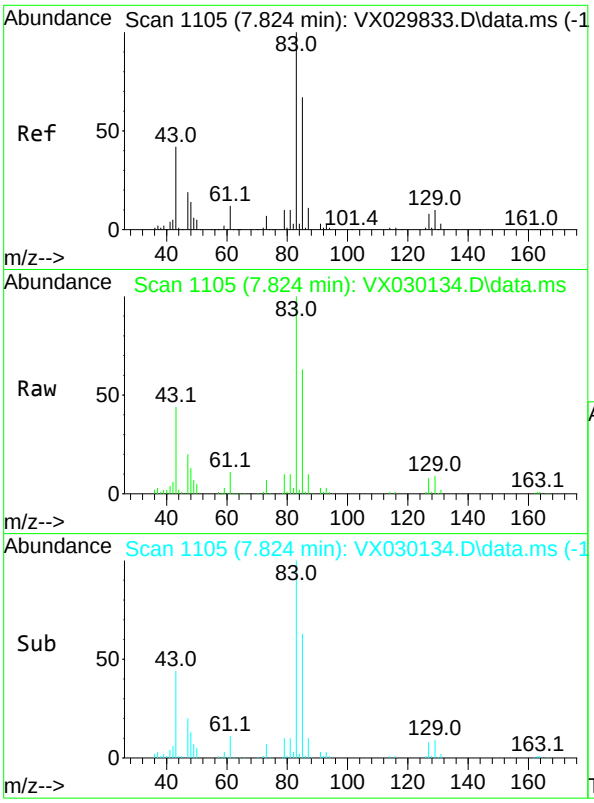


#46
Dibromomethane
Concen: 19.047 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 93 Resp: 28361

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.4	101.0
174	93.0	75.6	113.4

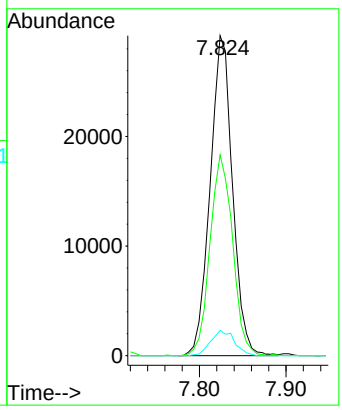




#47
Bromodichloromethane
Concen: 19.390 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 83 Resp: 5238

Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.5	80.3
127	7.9	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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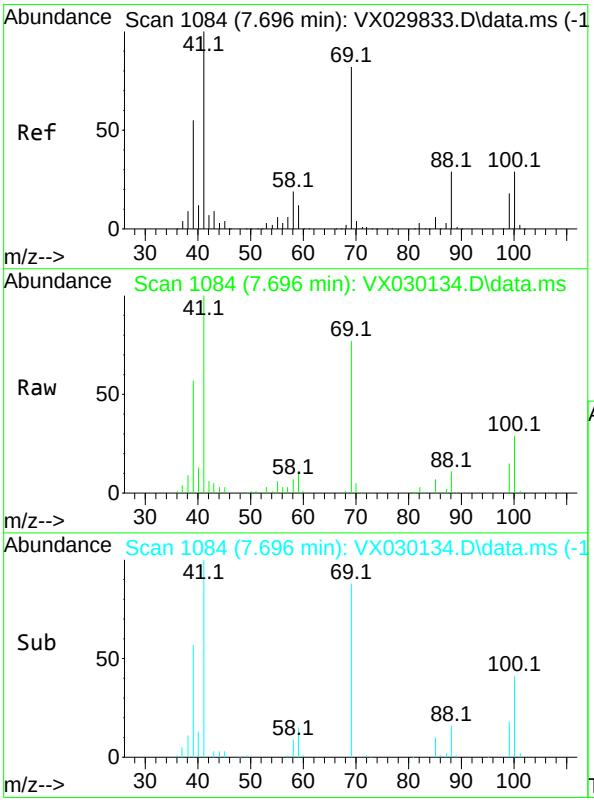
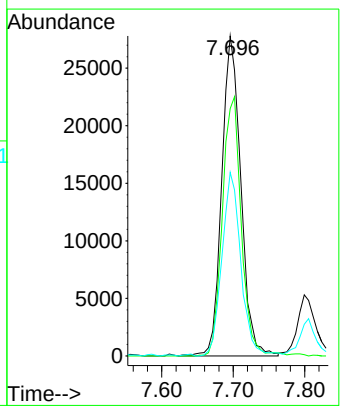
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

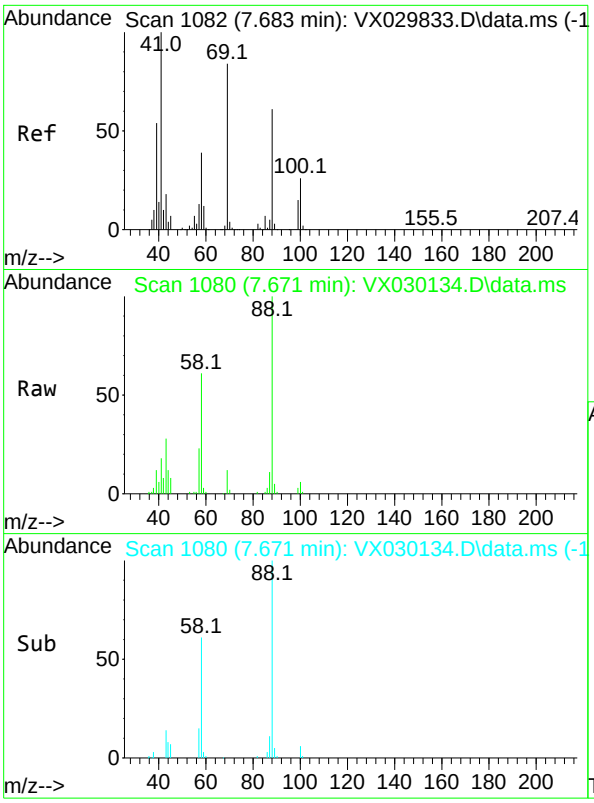


#48
Methyl methacrylate
Concen: 21.870 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 41 Resp: 51561

Ion	Ratio	Lower	Upper
41	100		
69	80.2	68.8	103.2
39	56.8	44.6	66.8

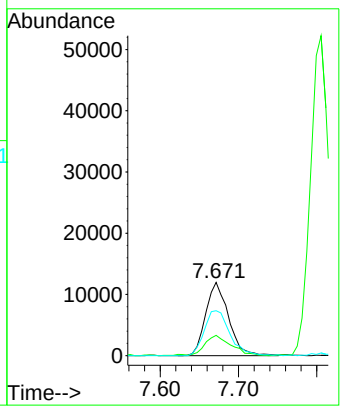




#49
1,4-Dioxane
Concen: 396.316 ug/l
RT: 7.671 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 88 Resp: 2427

Ion	Ratio	Lower	Upper
88	100		
43	32.6	23.8	35.8
58	68.9	53.8	80.6



Instrument :
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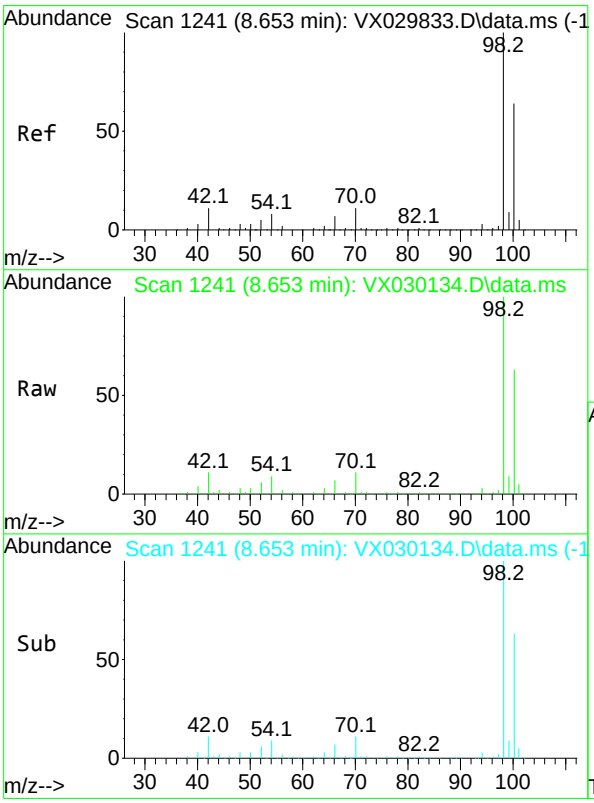
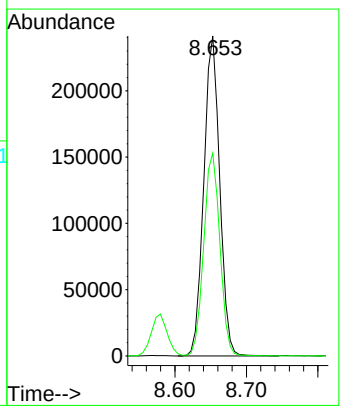
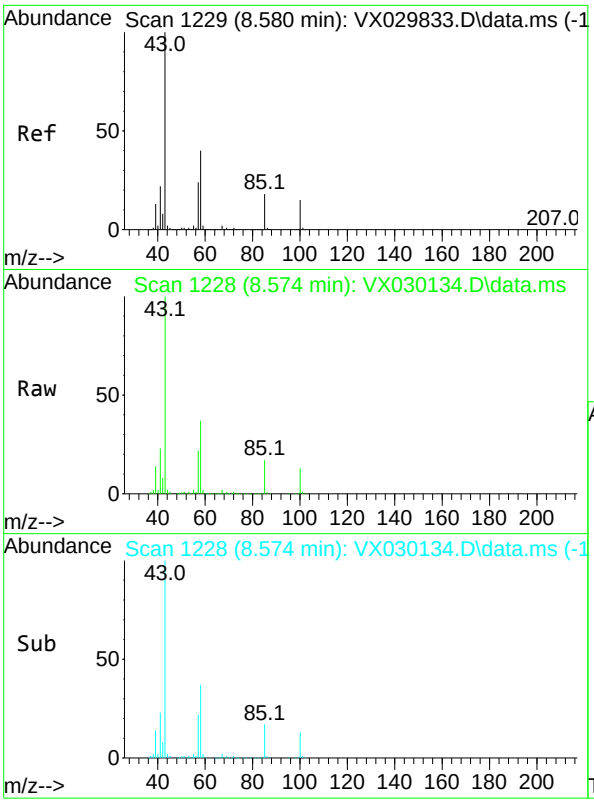


#50
Toluene-d8
Concen: 48.524 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 98 Resp: 373611

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.3	78.5

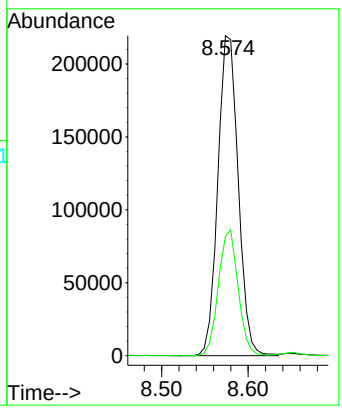




#51
4-Methyl-2-Pentanone
Concen: 105.972 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 35830

Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
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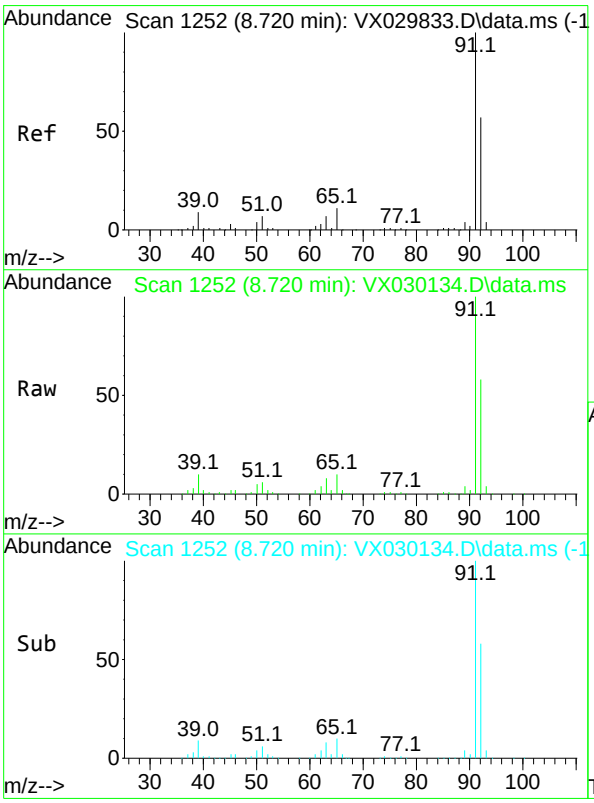
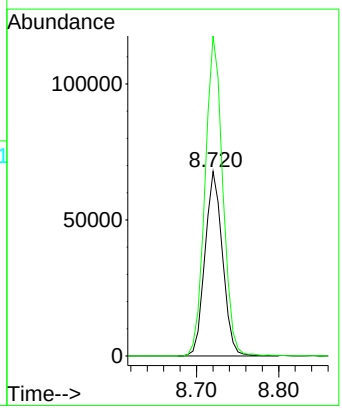
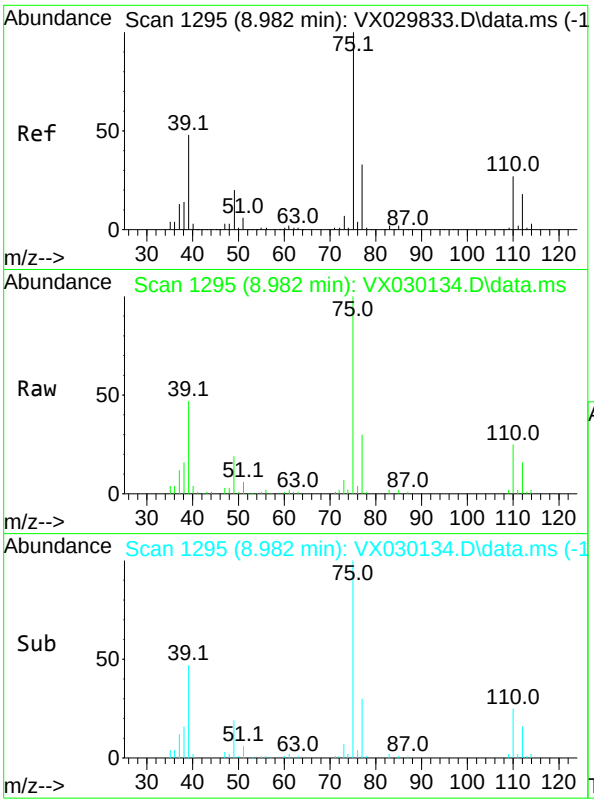


#52
Toluene
Concen: 19.017 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 92 Resp: 100507

Ion	Ratio	Lower	Upper
92	100		
91	174.9	139.2	208.8





#53
t-1,3-Dichloropropene
Concen: 19.388 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 75 Resp: 5441

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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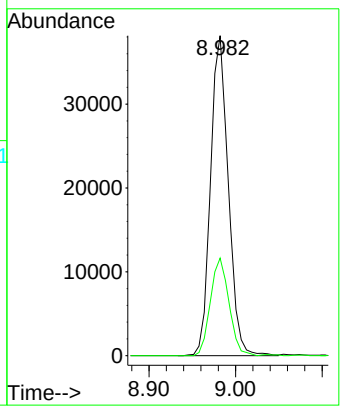
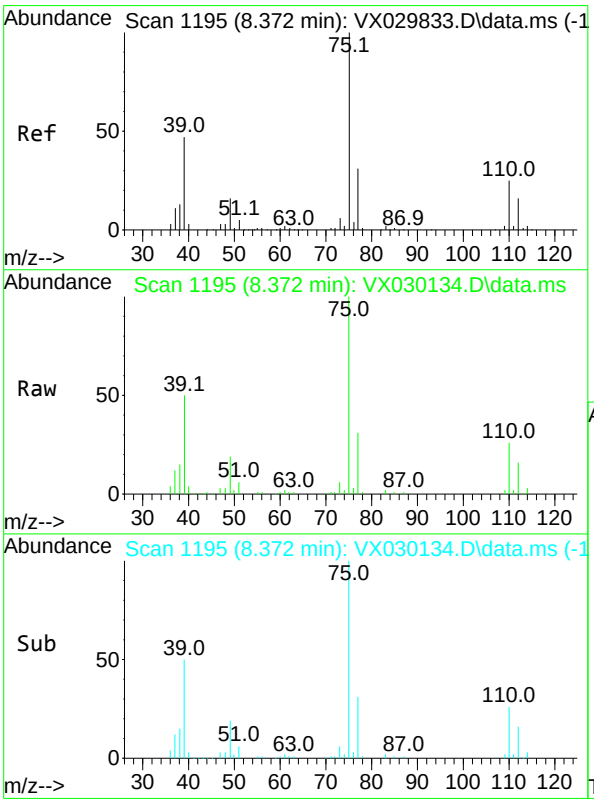
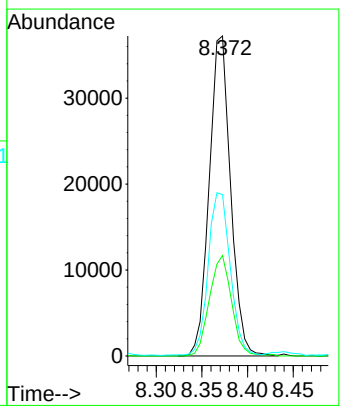


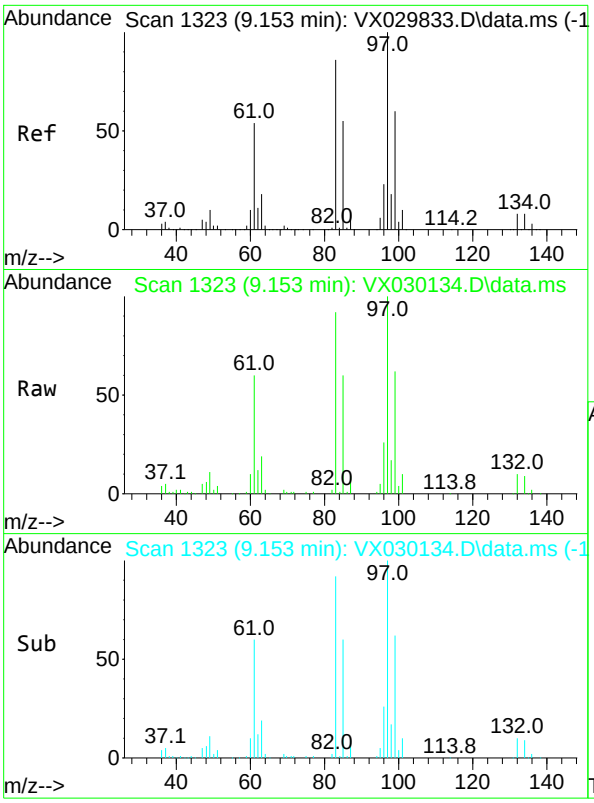


#54
cis-1,3-Dichloropropene
Concen: 18.821 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 75 Resp: 60511

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	50.1	37.5	56.3

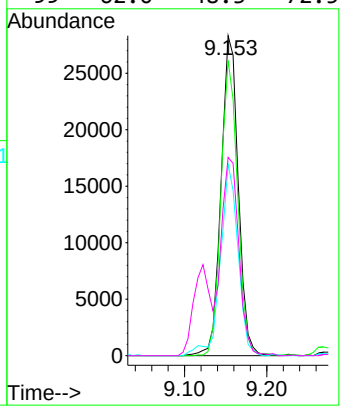




#55
1,1,2-Trichloroethane
Concen: 18.927 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 97 Resp: 4125

Ion	Ratio	Lower	Upper
97	100		
83	92.2	68.9	103.3
85	59.8	44.0	66.0
99	62.0	48.3	72.5



Instrument :
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ClientSampleId :
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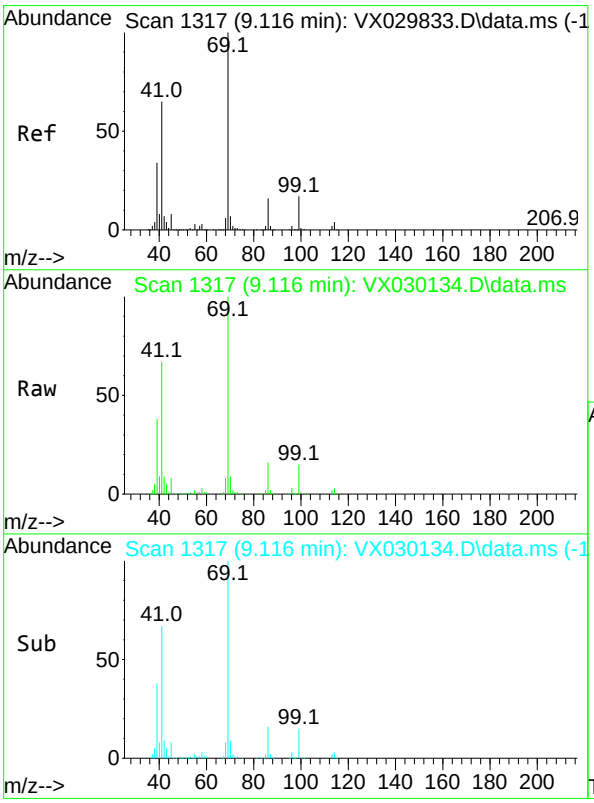
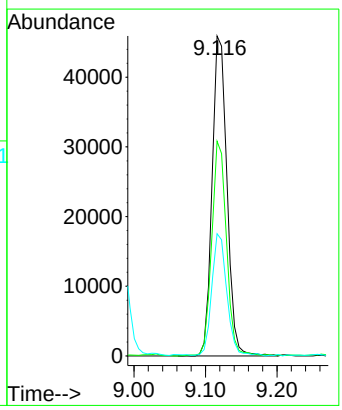
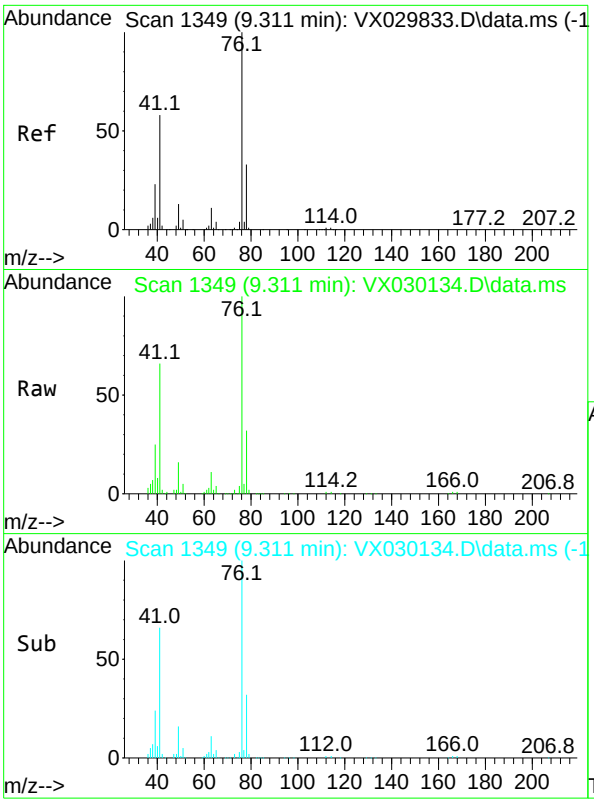


#56
Ethyl methacrylate
Concen: 20.215 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 69 Resp: 66242

Ion	Ratio	Lower	Upper
69	100		
41	66.9	52.3	78.5
39	39.0	28.2	42.4





#57
1,3-Dichloropropane
Concen: 19.654 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 76 Resp: 6804

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations
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Reviewed By :John Carlone 07/21/2022
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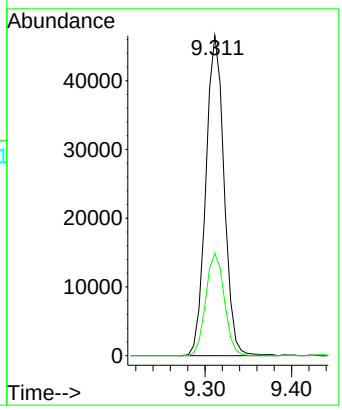
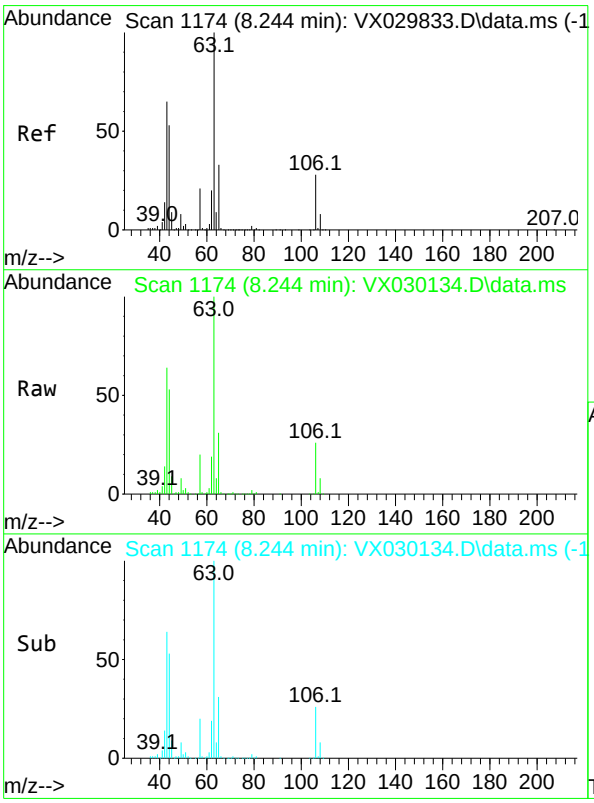
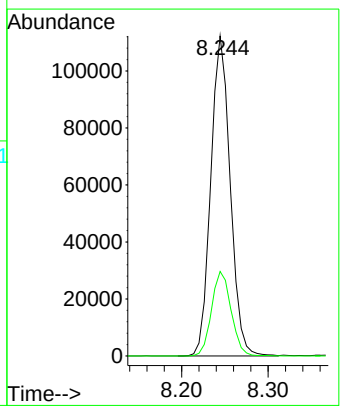


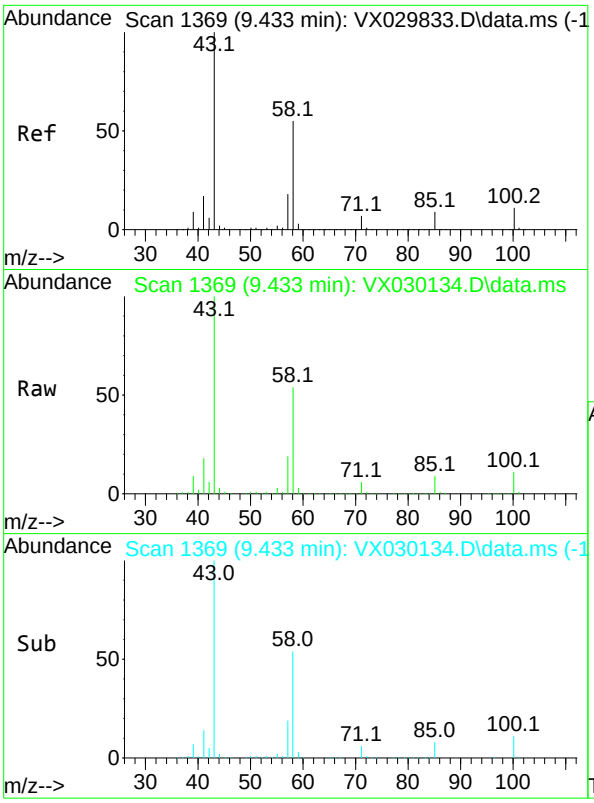


#58
2-Chloroethyl Vinyl ether
Concen: 98.349 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 63 Resp: 174997

Ion	Ratio	Lower	Upper
63	100		
106	26.6	22.2	33.2





#59
2-Hexanone
Concen: 108.513 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 28135

Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.6	82.8

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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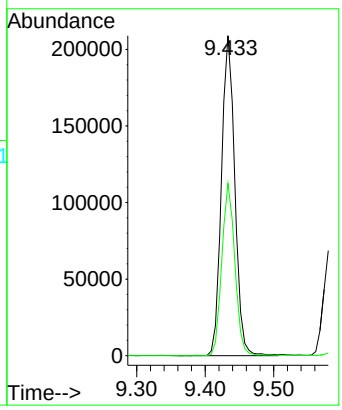
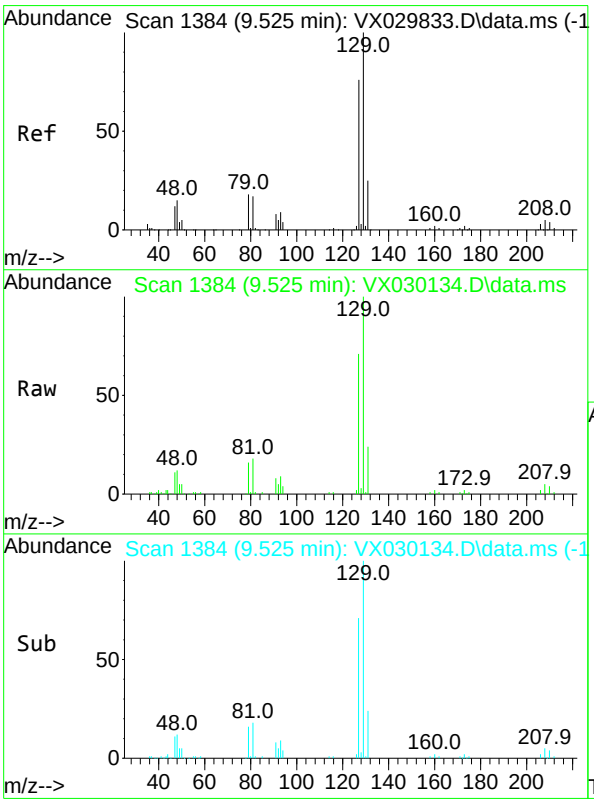
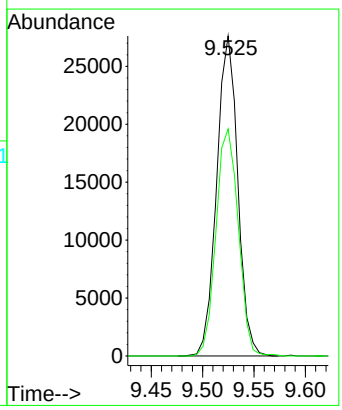


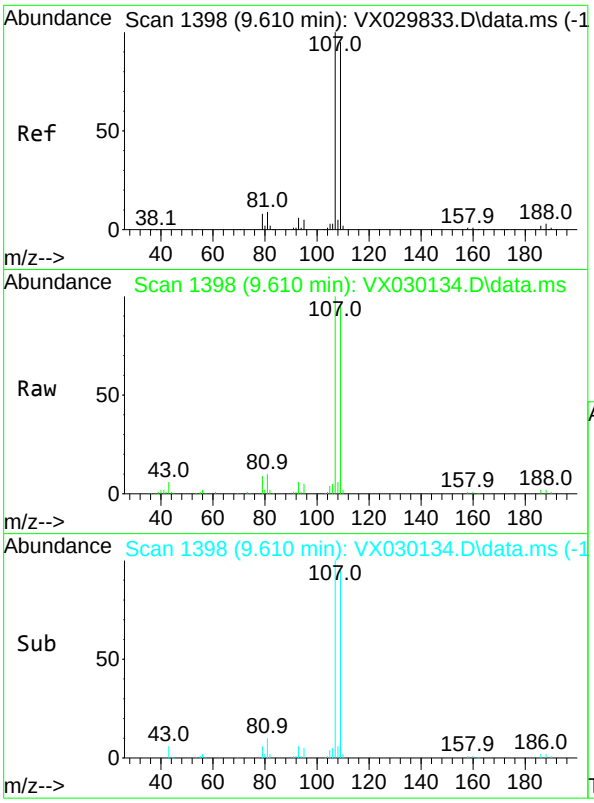


#60
Dibromochloromethane
Concen: 18.520 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:129 Resp: 39325

Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.5	115.5

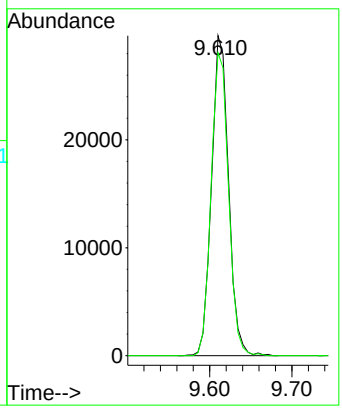




#61
1,2-Dibromoethane
Concen: 18.813 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:107 Resp: 4267

Ion	Ratio	Lower	Upper
107	100		
109	96.4	76.6	114.8



Instrument :
MSVOA_X
ClientSampleId :
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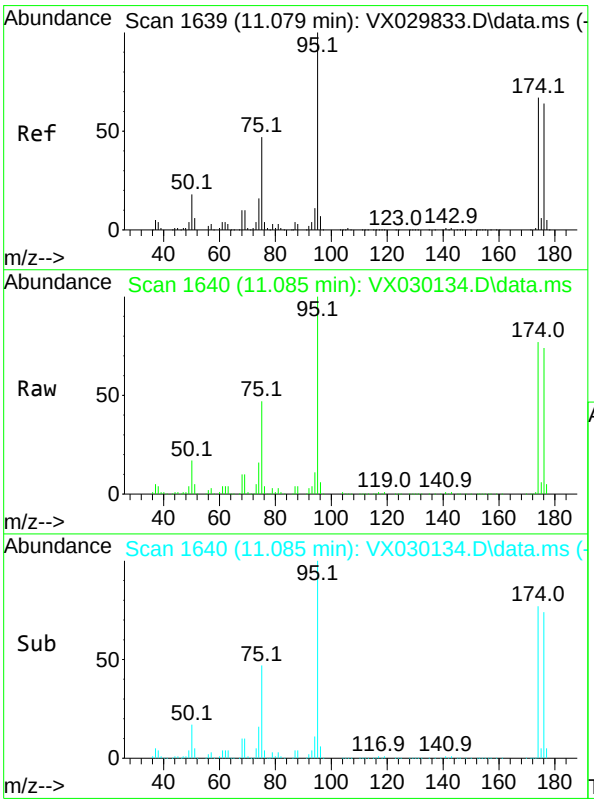
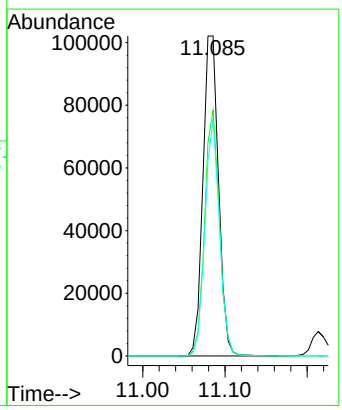
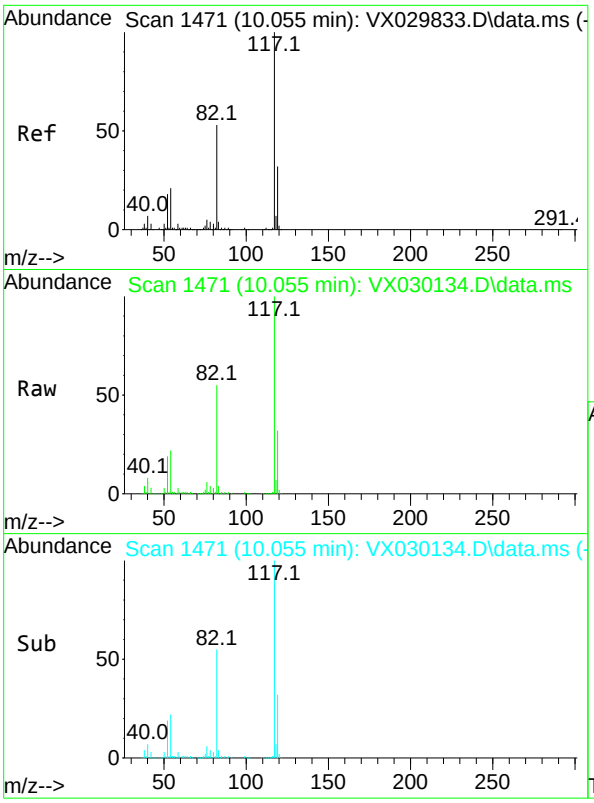


#62
4-Bromofluorobenzene
Concen: 50.408 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 95 Resp: 134687

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	149.0
176	69.0	0.0	146.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:117 Resp: 28555

Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.7	64.1
119	32.0	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations
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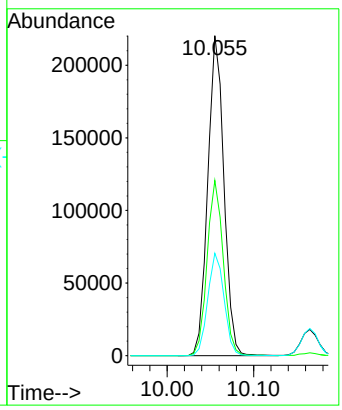
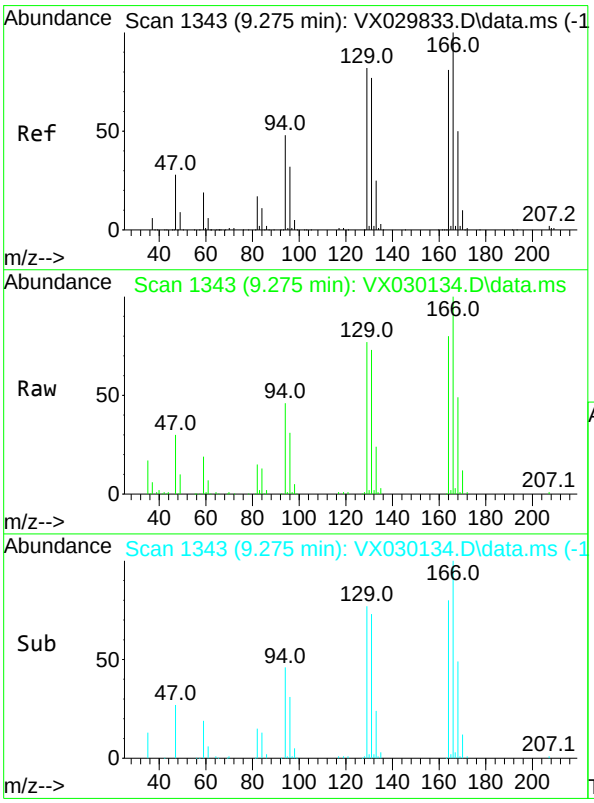
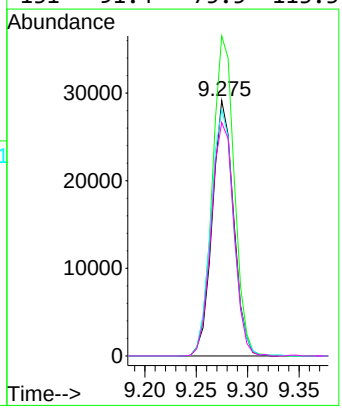


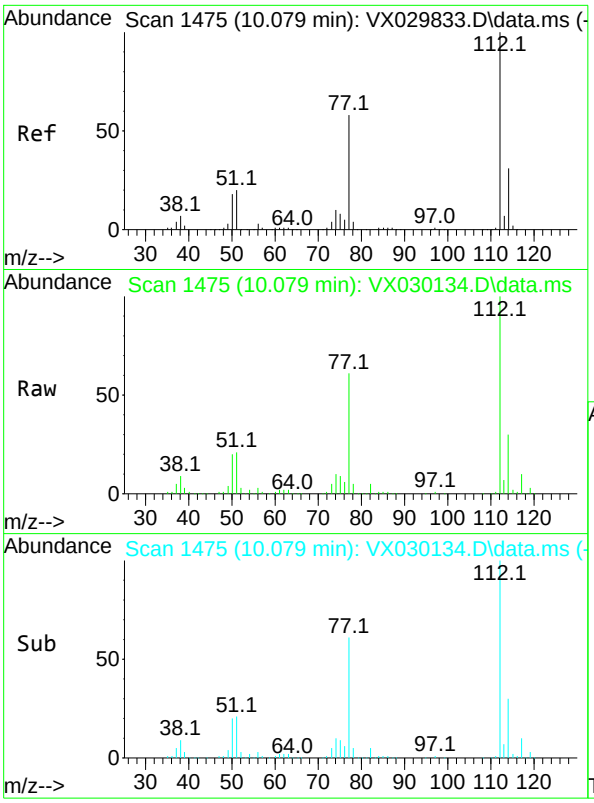


#64
Tetrachloroethene
Concen: 18.222 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:164 Resp: 41770

Ion	Ratio	Lower	Upper
164	100		
166	125.3	98.2	147.4
129	96.5	80.8	121.2
131	91.4	75.5	113.3





#65
Chlorobenzene
Concen: 18.338 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:112 Resp: 10427

Ion	Ratio	Lower	Upper
112	100		
114	29.9	24.6	36.8

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations
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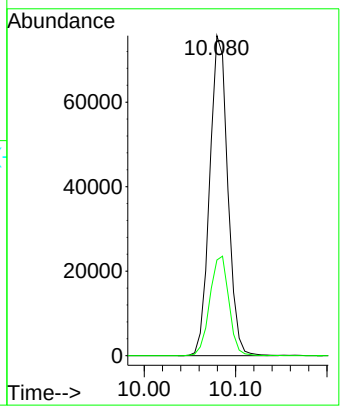
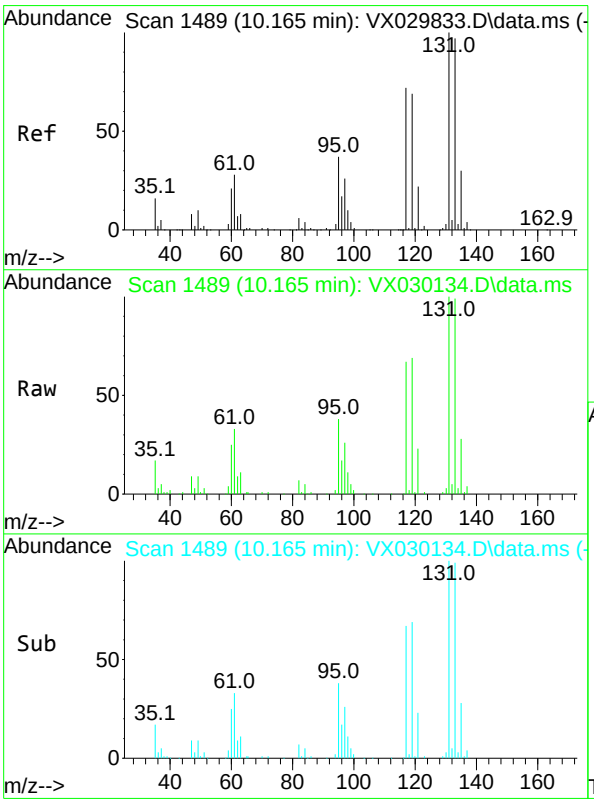
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

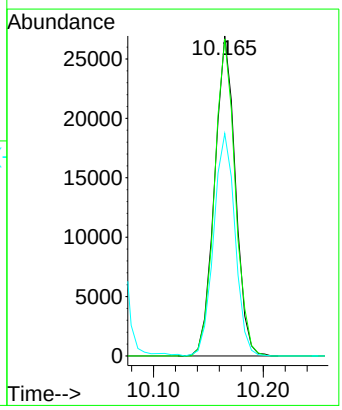


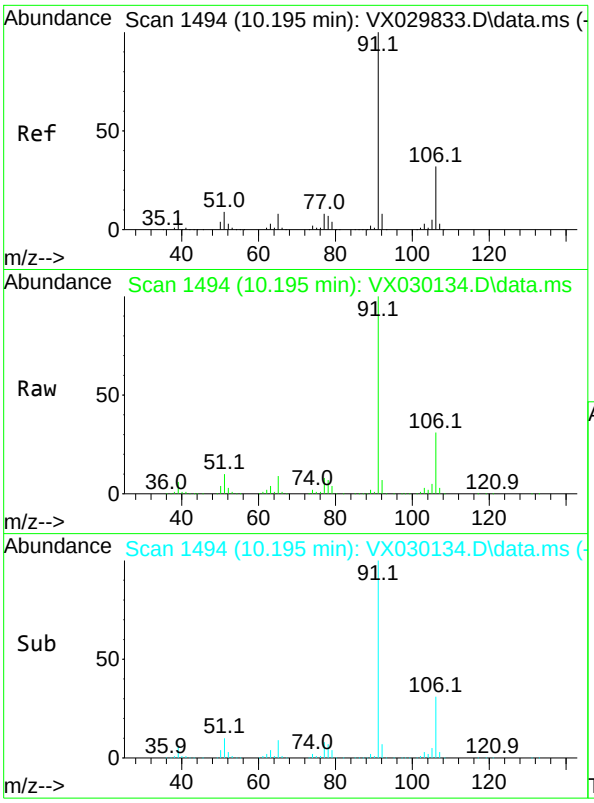


#66
1,1,1,2-Tetrachloroethane
Concen: 18.327 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:131 Resp: 35526

Ion	Ratio	Lower	Upper
131	100		
133	98.3	46.9	140.8
119	71.3	34.4	103.1





#67
Ethyl Benzene
Concen: 19.703 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 91 Resp: 18988

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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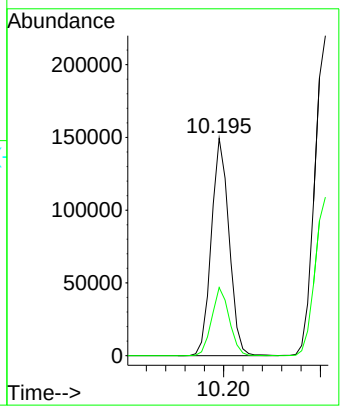
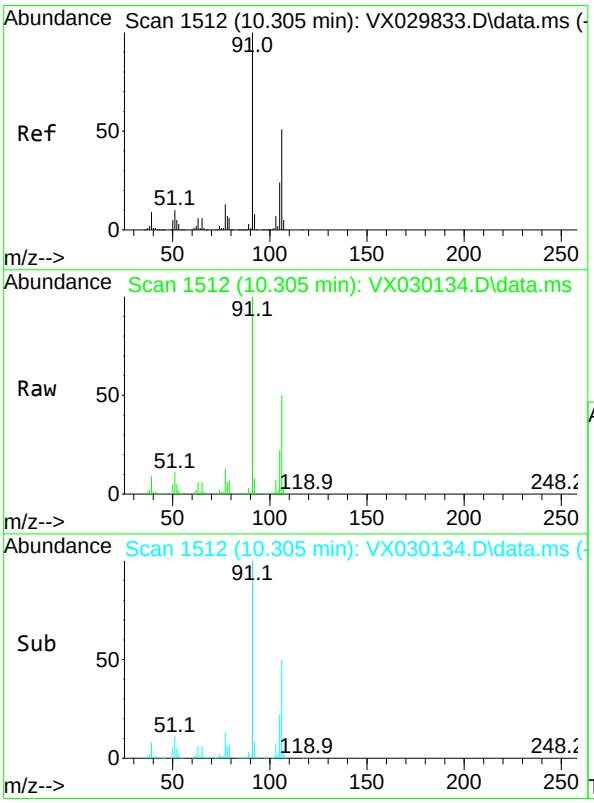
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

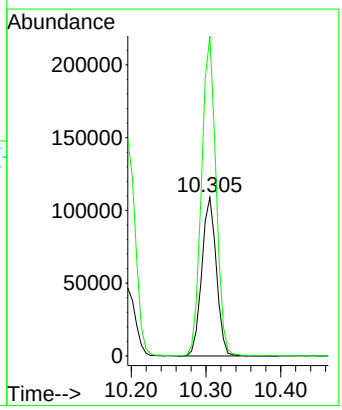


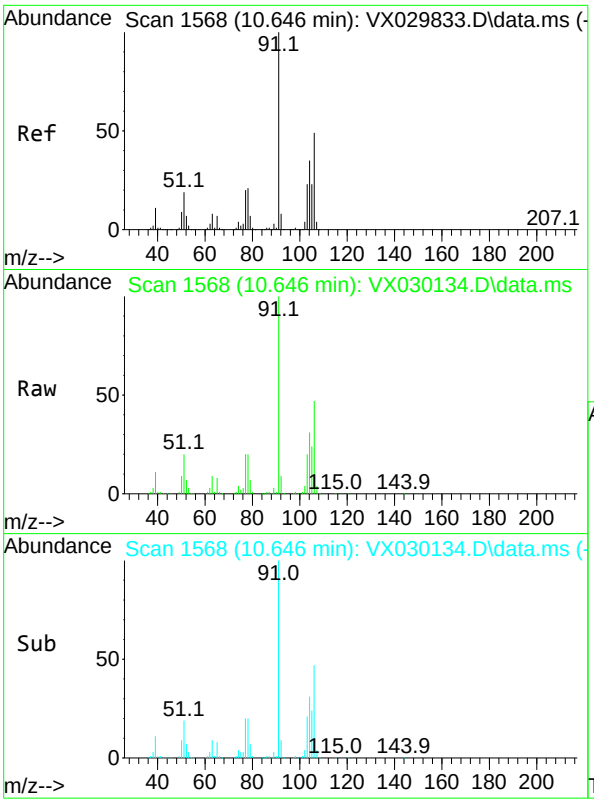


#68
m/p-Xylenes
Concen: 39.046 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:106 Resp: 147588

Ion	Ratio	Lower	Upper
106	100		
91	200.0	158.2	237.4





#69
o-Xylene
Concen: 18.892 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:106 Resp: 7149

Ion	Ratio	Lower	Upper
106	100		
91	214.5	103.8	311.6

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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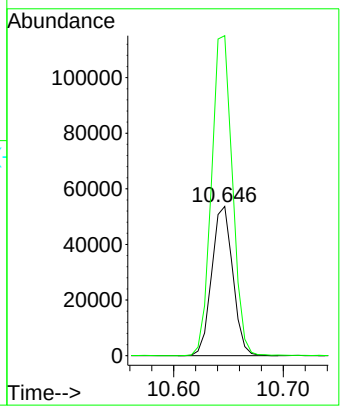
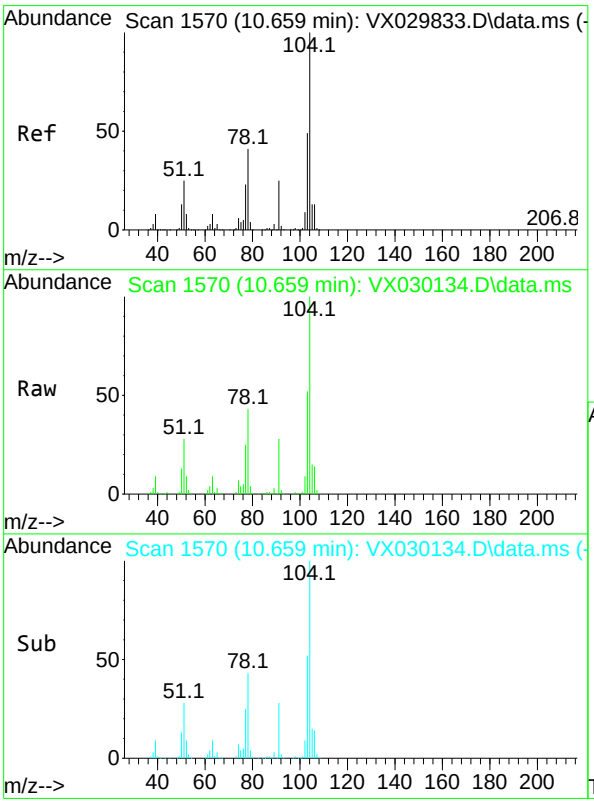
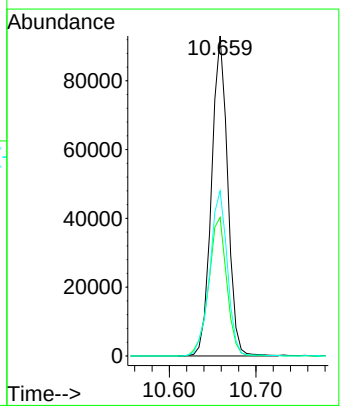


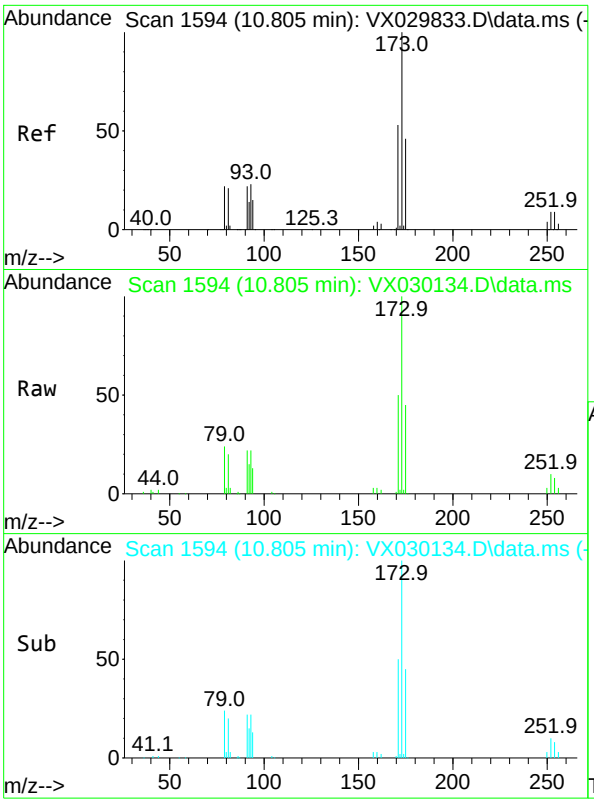


#70
Styrene
Concen: 19.182 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:104 Resp: 120497

Ion	Ratio	Lower	Upper
104	100		
78	48.7	37.8	56.8
103	56.2	44.5	66.7

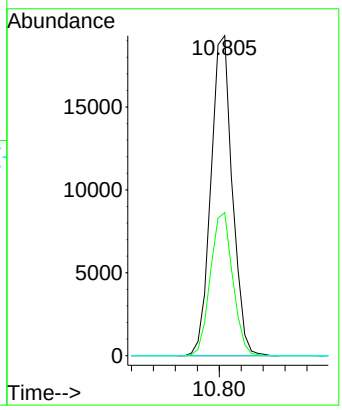




#71
Bromoform
Concen: 16.823 ug/l
RT: 10.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:173 Resp: 2620

Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.2
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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Reviewed By :John Carlone 07/21/2022
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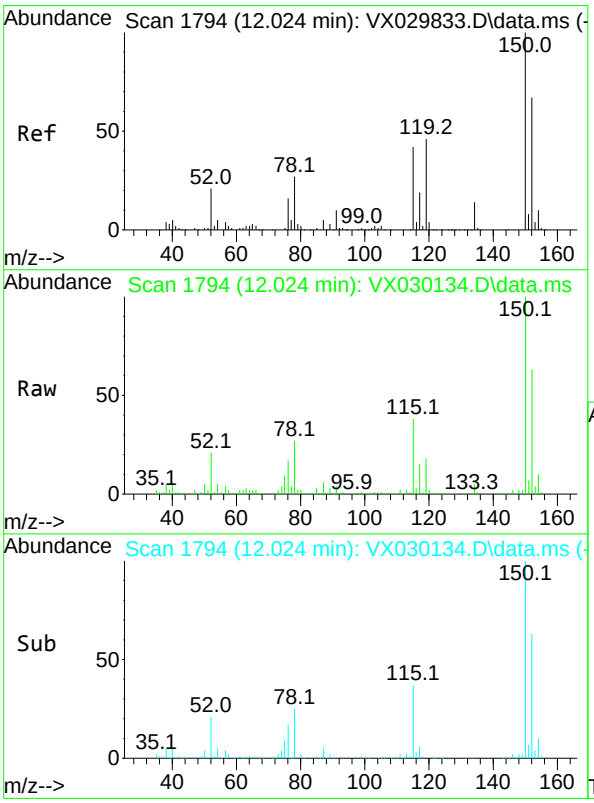
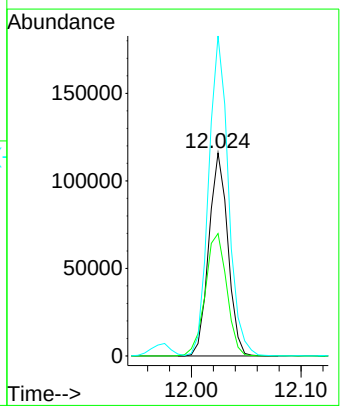
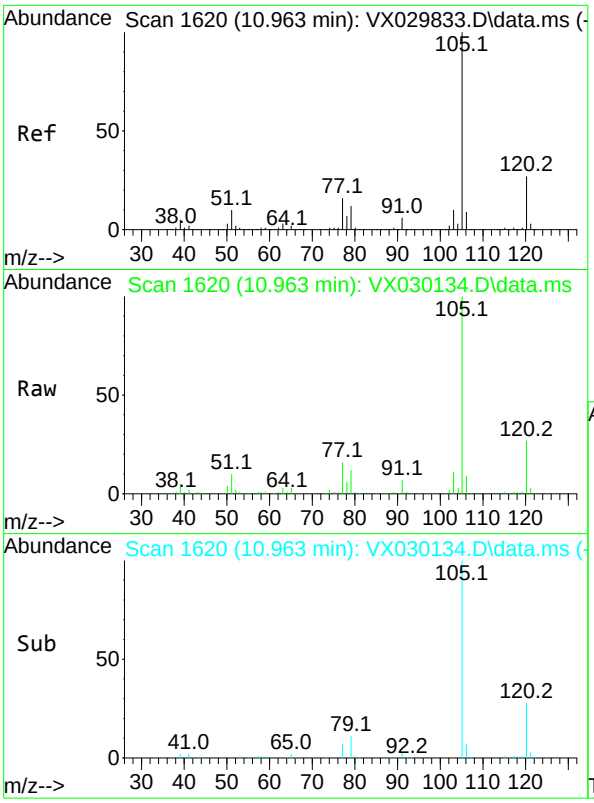


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:152 Resp: 139565

Ion	Ratio	Lower	Upper
152	100		
115	68.1	40.5	121.5
150	163.3	0.0	347.0





#73
Isopropylbenzene
Concen: 19.352 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:105 Resp: 18806

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.4

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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Reviewed By :John Carlone 07/21/2022
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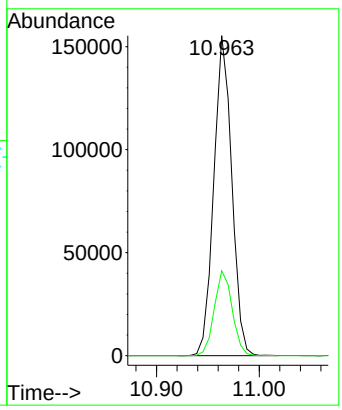
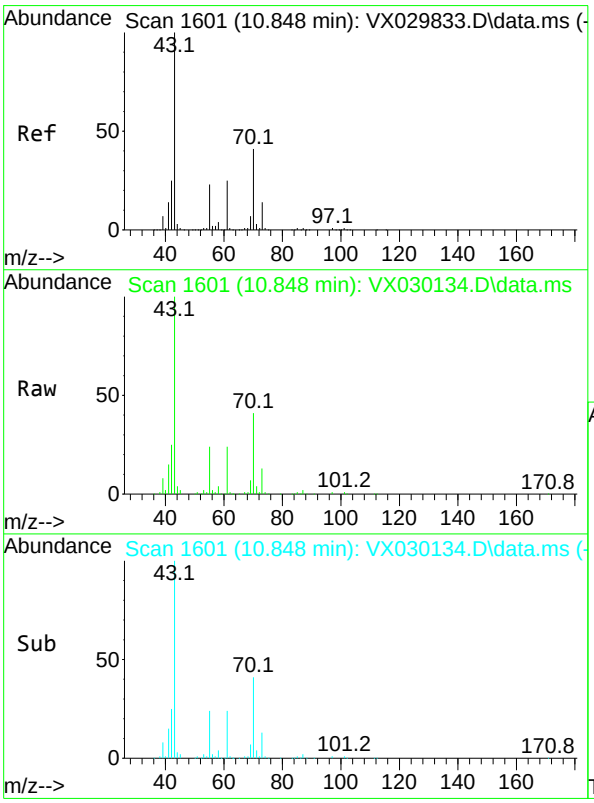
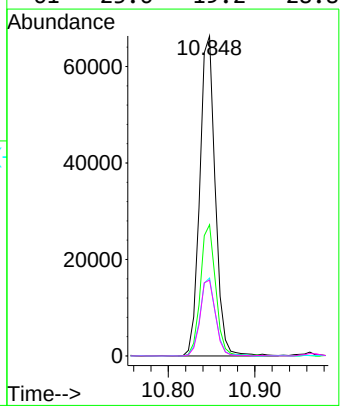


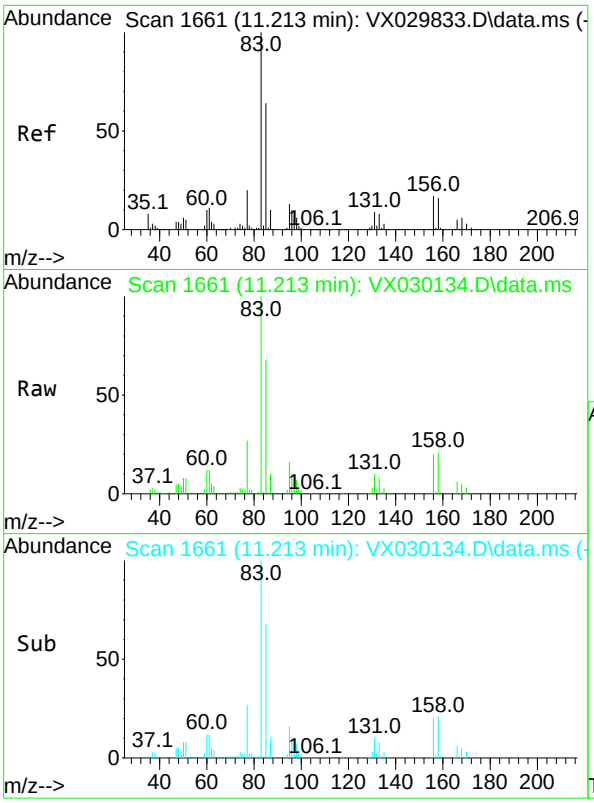


#74
N-amyl acetate
Concen: 19.334 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 43 Resp: 82521

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.3	48.5
55	24.4	18.4	27.6
61	23.6	19.2	28.8

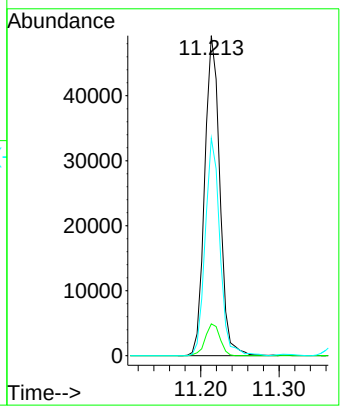




#75
1,1,2,2-Tetrachloroethane
Concen: 18.799 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 83 Resp: 6591

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.5	13.7
85	66.0	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations
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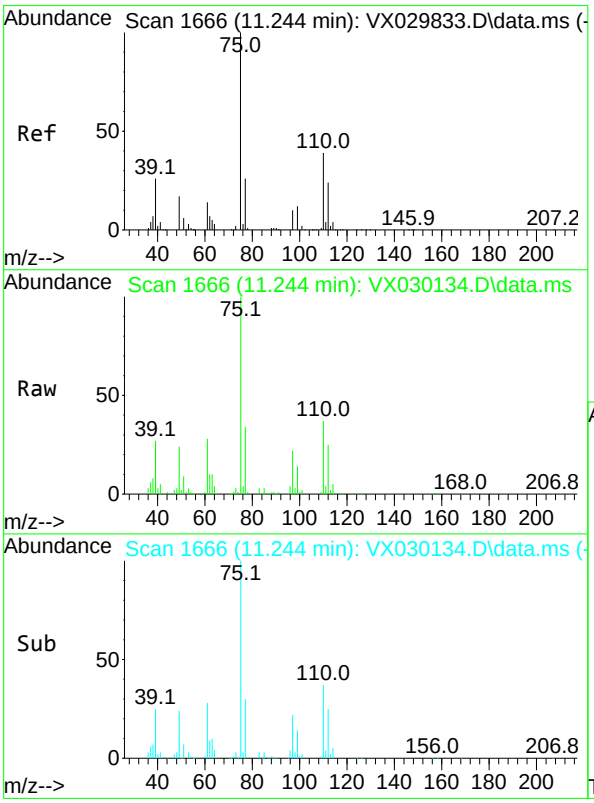
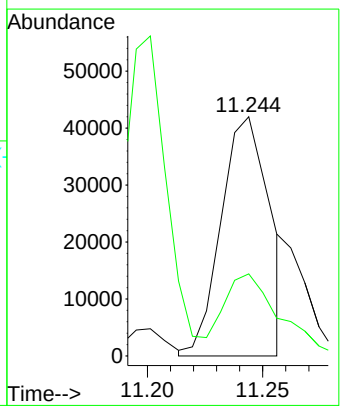
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

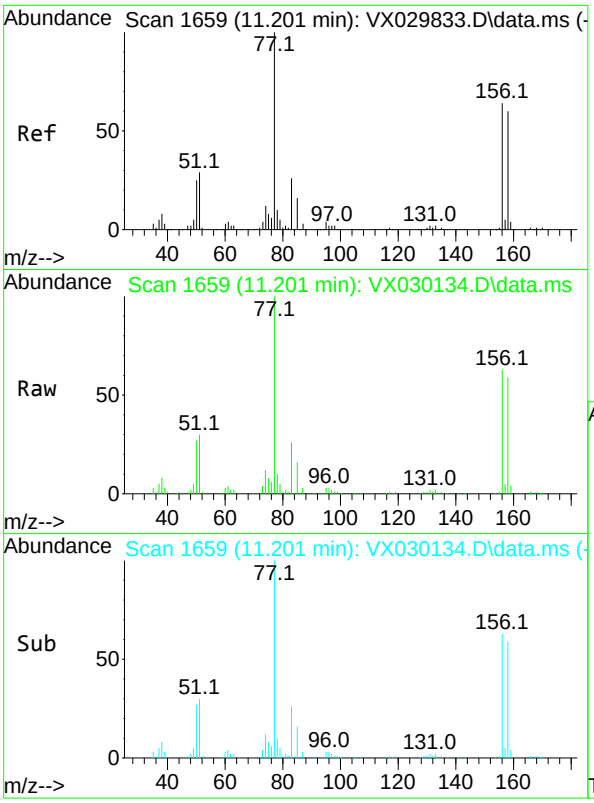


#76
1,2,3-Trichloropropane
Concen: 19.054 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 75 Resp: 61143

Ion	Ratio	Lower	Upper
75	100		
77	39.8	19.8	59.3

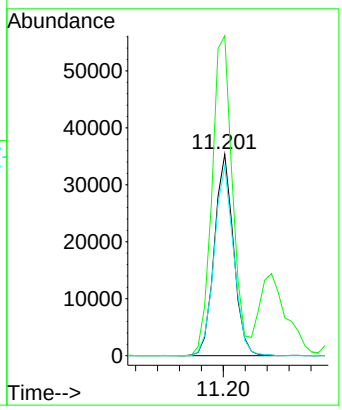




#77
Bromobenzene
Concen: 17.663 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:156 Resp: 4294

Ion	Ratio	Lower	Upper
156	100		
77	170.4	82.7	247.9
158	96.4	47.5	142.5



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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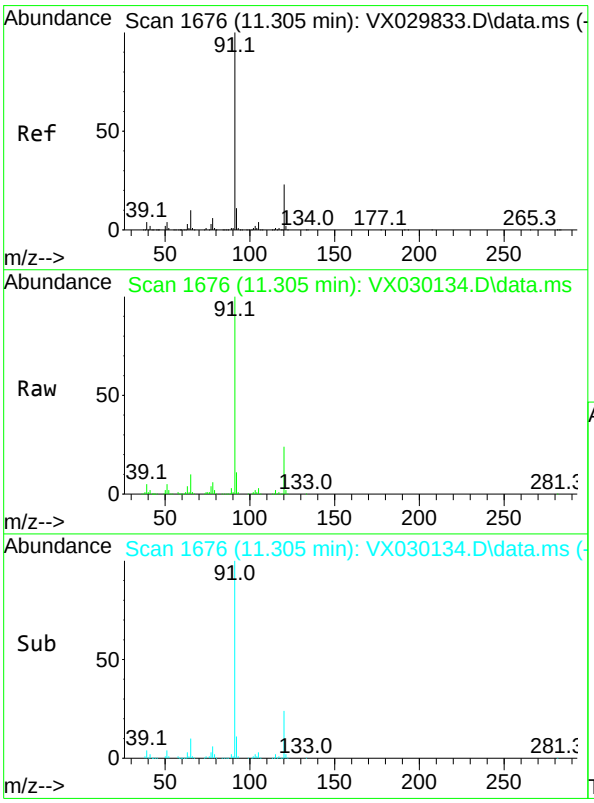
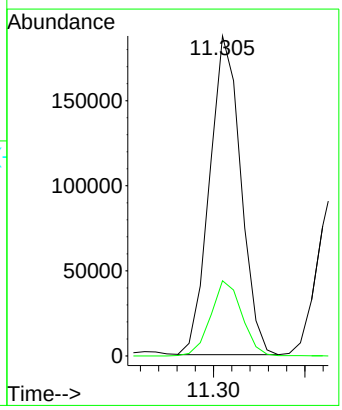
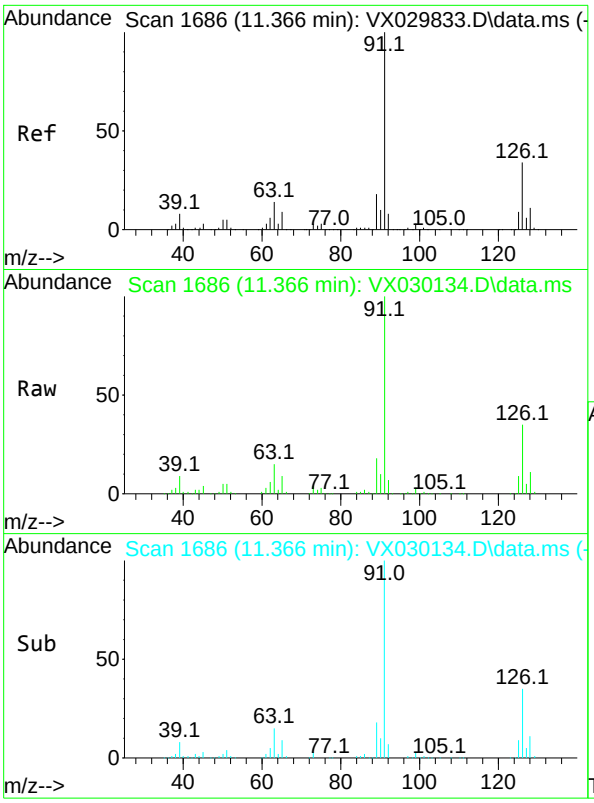


#78
n-propylbenzene
Concen: 19.307 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 91 Resp: 222582

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.8





#79
2-Chlorotoluene
Concen: 18.968 ug/l
RT: 11.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 91 Resp: 13098

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations
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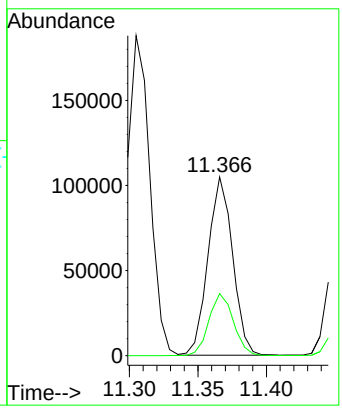
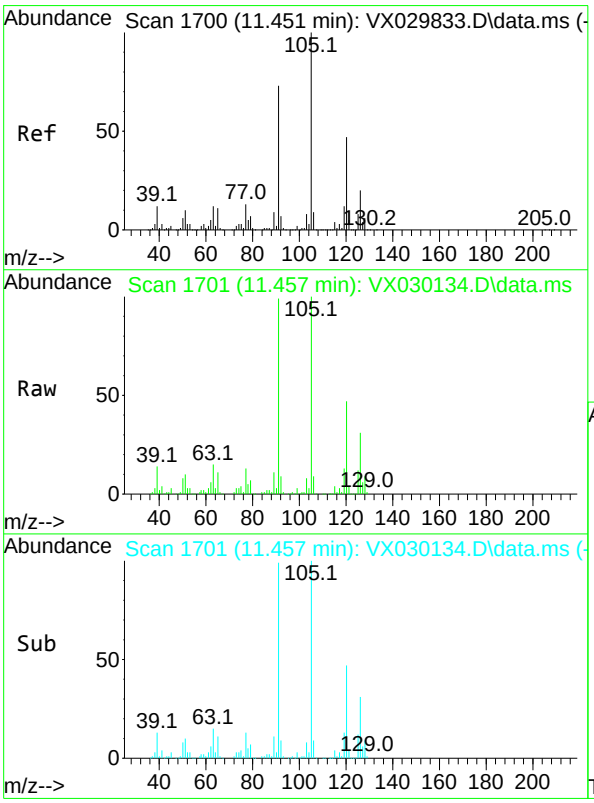
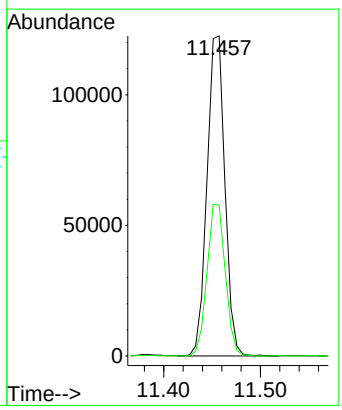


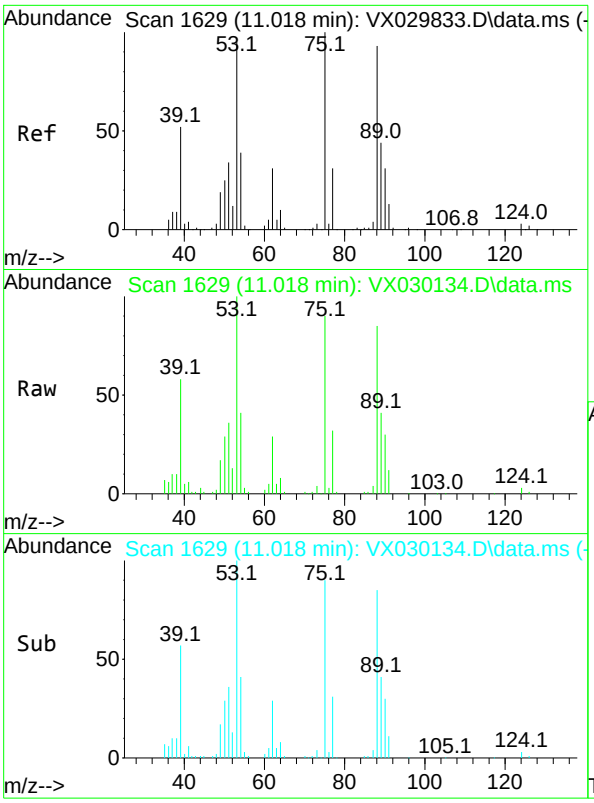


#80
1,3,5-Trimethylbenzene
Concen: 19.190 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:105 Resp: 157138

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.4	73.2

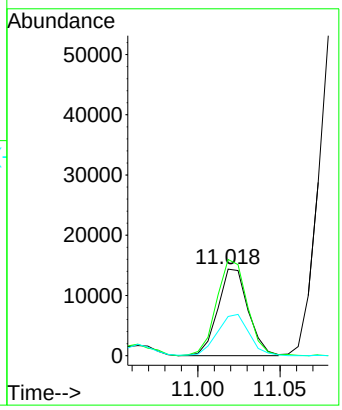




#81
trans-1,4-Dichloro-2-butene
Concen: 16.657 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 75 Resp: 1852

Ion	Ratio	Lower	Upper
75	100		
53	111.6	74.2	111.4
89	49.7	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations
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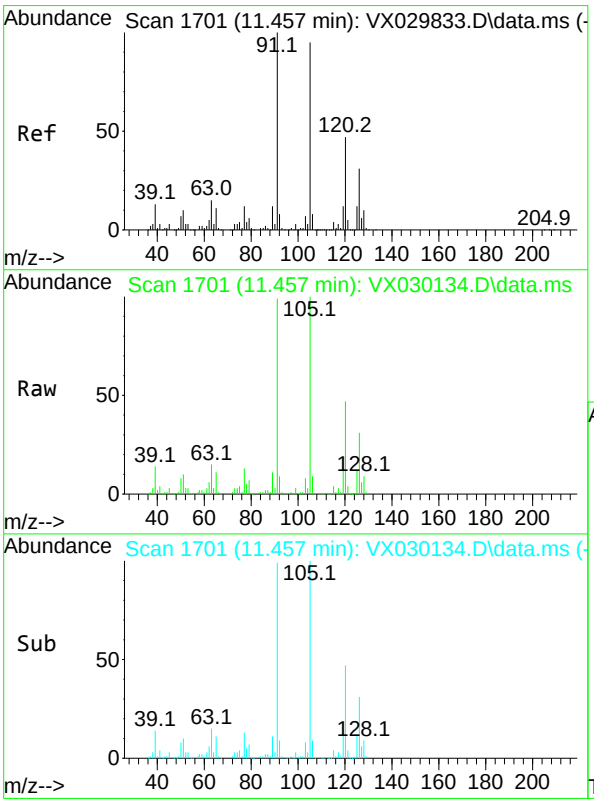
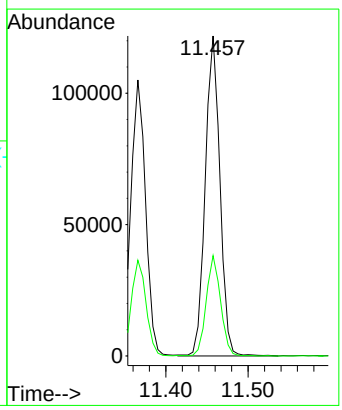
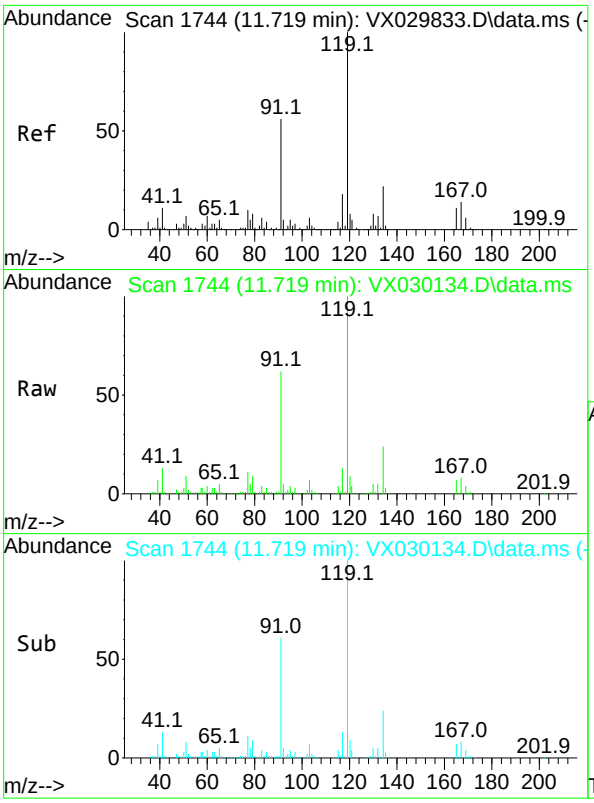


#82
4-Chlorotoluene
Concen: 19.503 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 91 Resp: 150892

Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.9

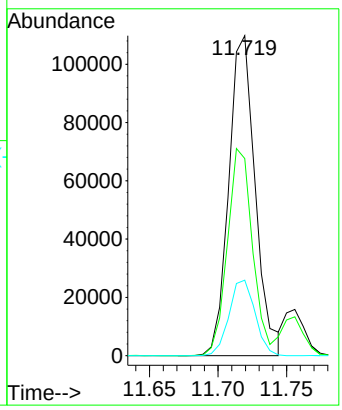




#83
tert-Butylbenzene
Concen: 18.755 ug/l
RT: 11.719 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:119 Resp: 14728

Ion	Ratio	Lower	Upper
119	100		
91	61.4	28.3	84.9
134	23.3	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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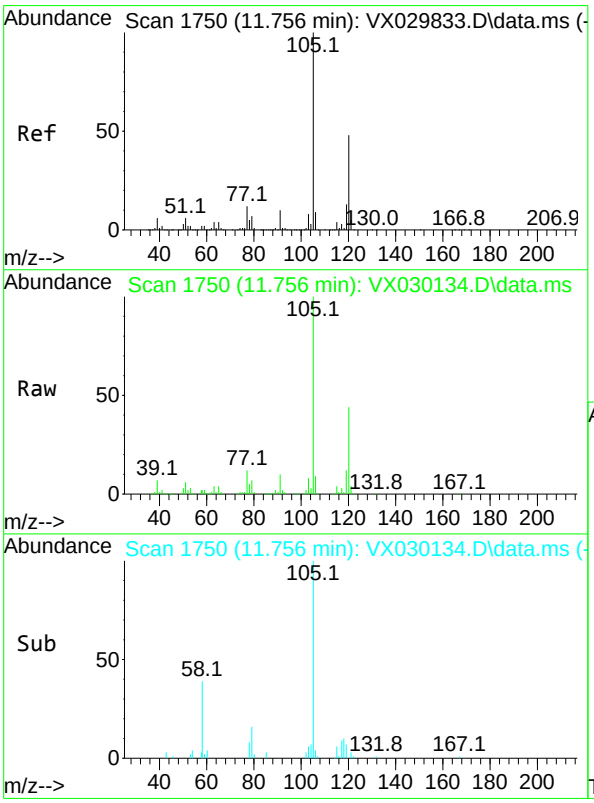
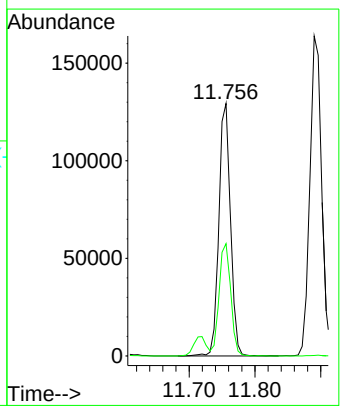
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

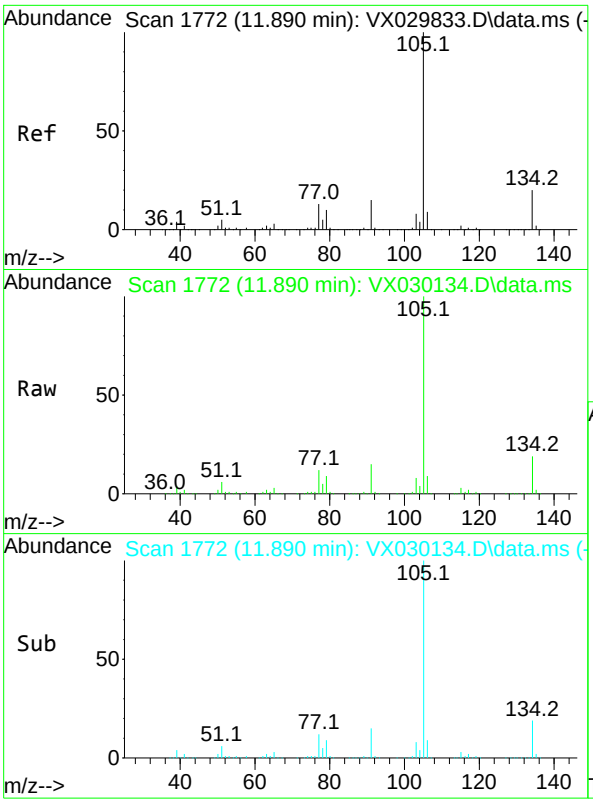


#84
1,2,4-Trimethylbenzene
Concen: 19.631 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:105 Resp: 159004

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.9	68.8

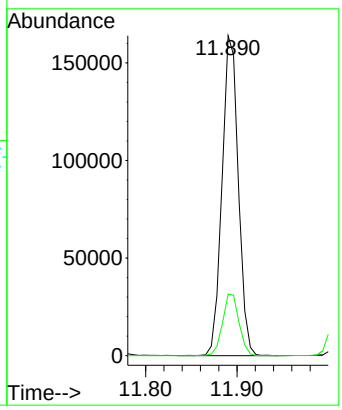




#85
sec-Butylbenzene
Concen: 19.607 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:105 Resp: 20354

Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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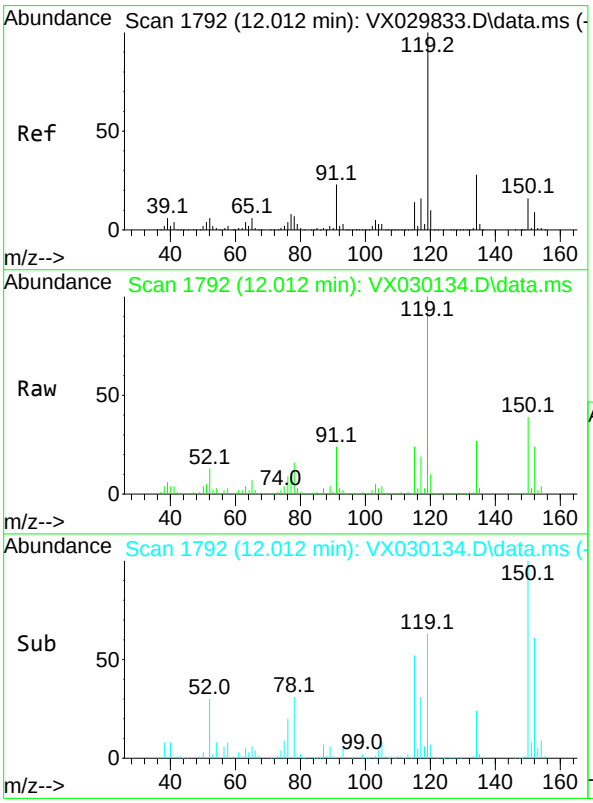
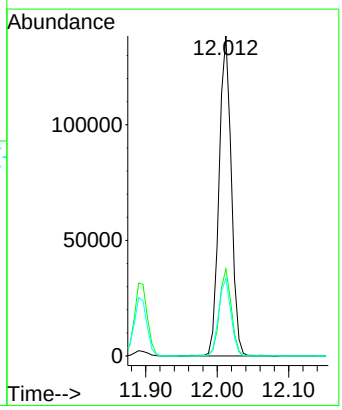
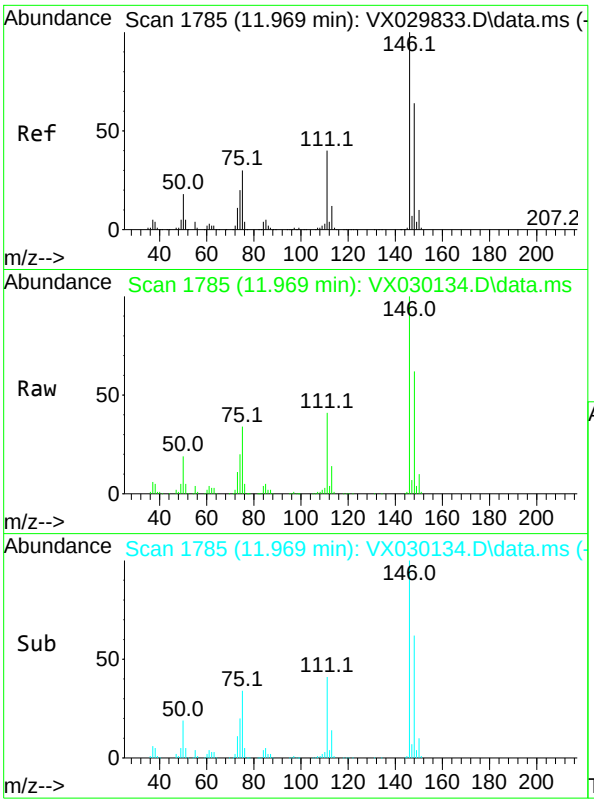


#86
p-Isopropyltoluene
Concen: 19.774 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:119 Resp: 164688

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.9	41.6
91	24.3	11.8	35.3

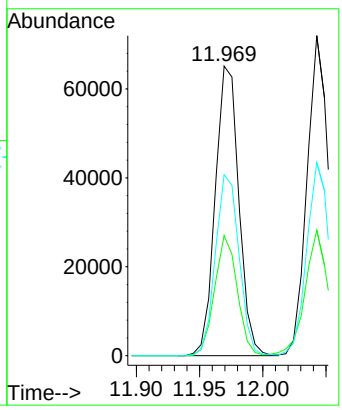




#87
1,3-Dichlorobenzene
Concen: 18.800 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:146 Resp: 8446

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	62.7	31.8	95.3



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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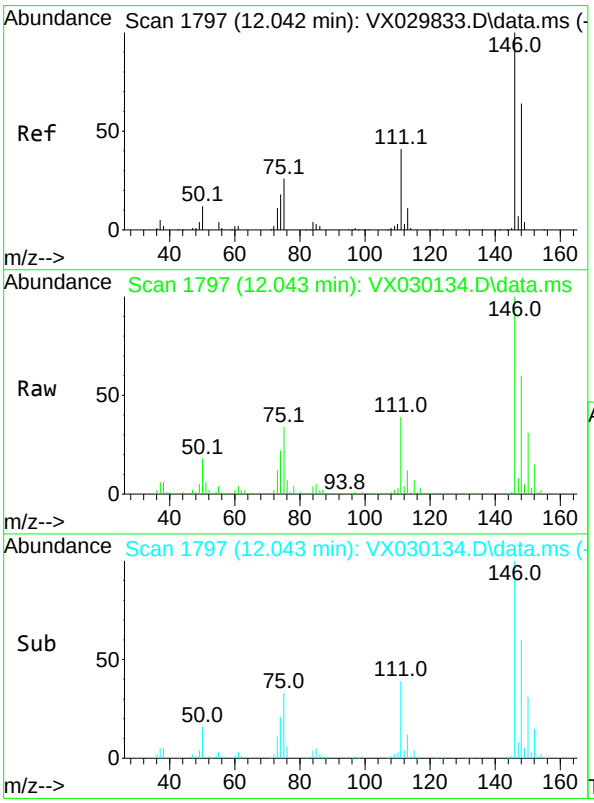
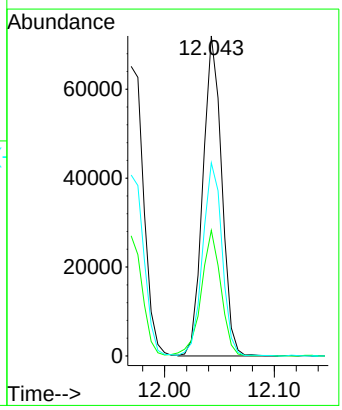
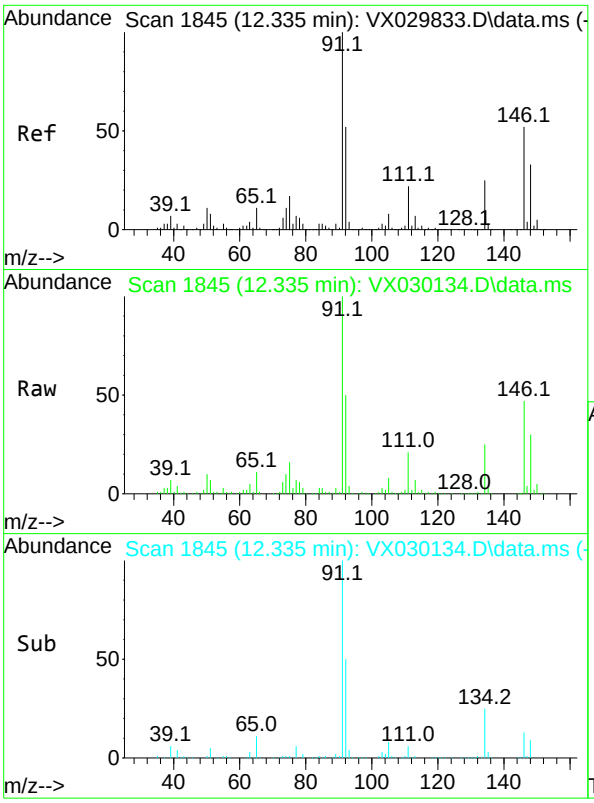


#88
1,4-Dichlorobenzene
Concen: 18.621 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:146 Resp: 85846

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	62.3	32.3	96.8





#89
n-Butylbenzene
Concen: 20.243 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 91 Resp: 15105

Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.5
134	25.4	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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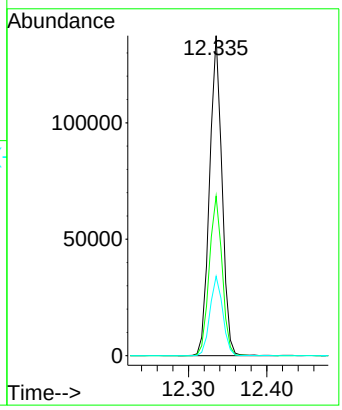
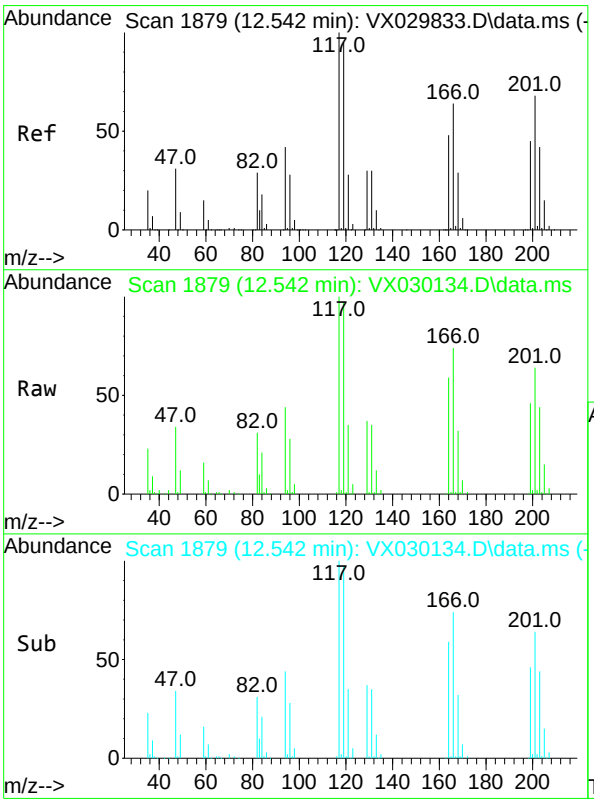
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

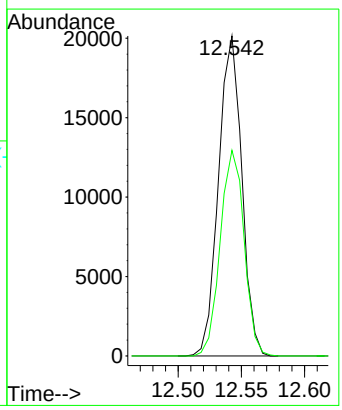


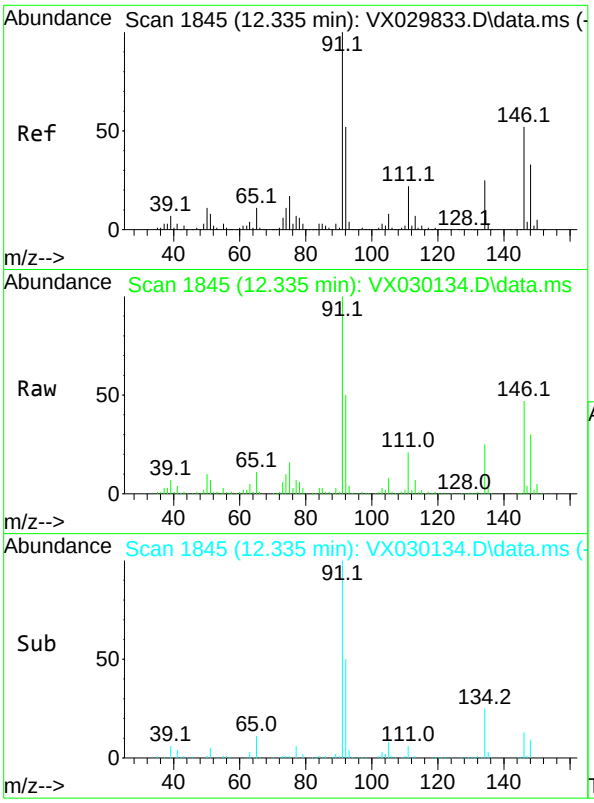


#90
Hexachloroethane
Concen: 18.076 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:117 Resp: 25736

Ion	Ratio	Lower	Upper
117	100		
201	65.9	34.2	102.5

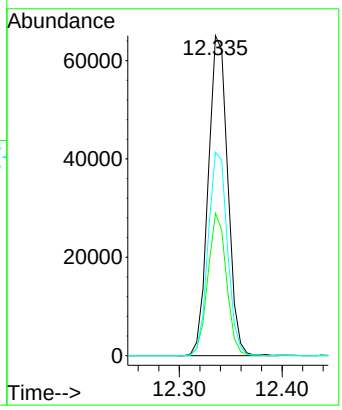




#91
1,2-Dichlorobenzene
Concen: 18.724 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:146 Resp: 8545

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.7	62.1
148	62.9	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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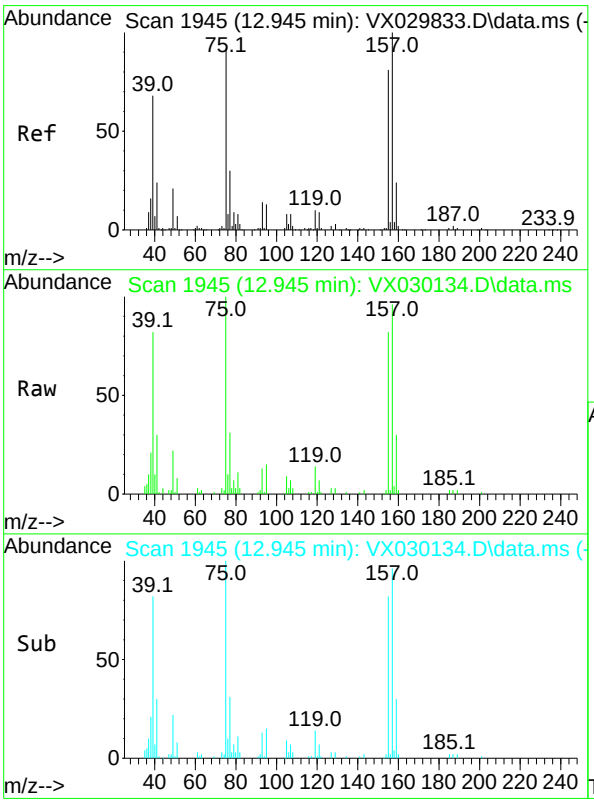
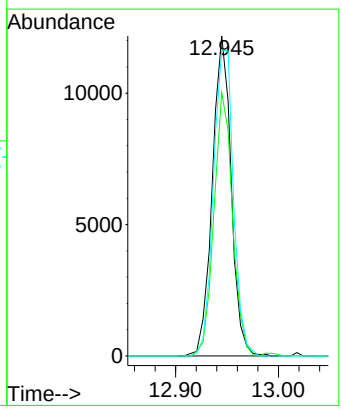
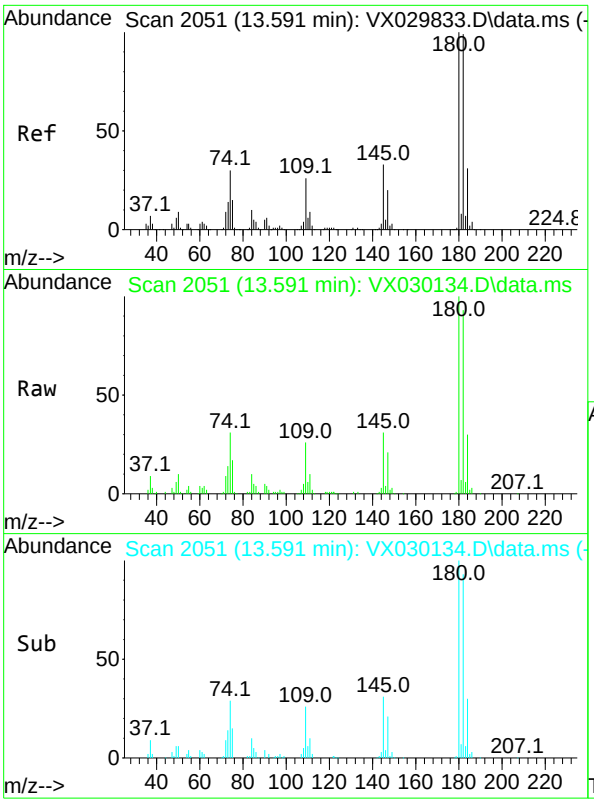


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.309 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion: 75 Resp: 15458

Ion	Ratio	Lower	Upper
75	100		
155	81.0	45.0	134.8
157	102.0	56.9	170.7

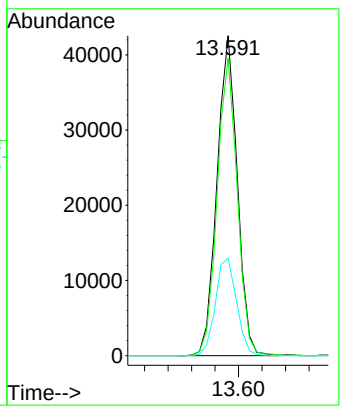




#93
1,2,4-Trichlorobenzene
Concen: 18.216 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:180 Resp: 5106

Ion	Ratio	Lower	Upper
180	100		
182	91.9	48.2	144.6
145	31.8	15.9	47.6



Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

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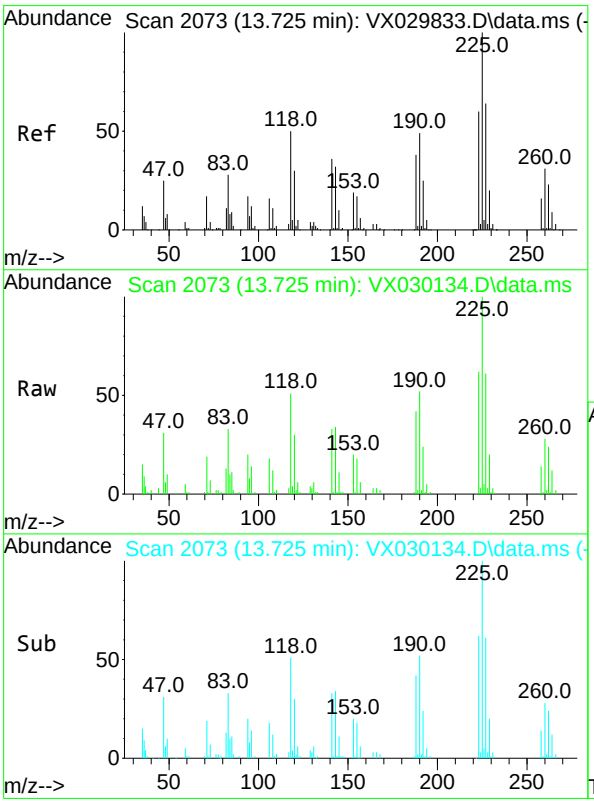
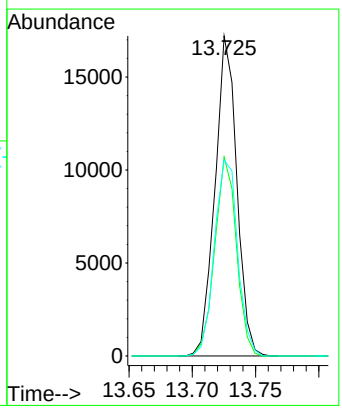
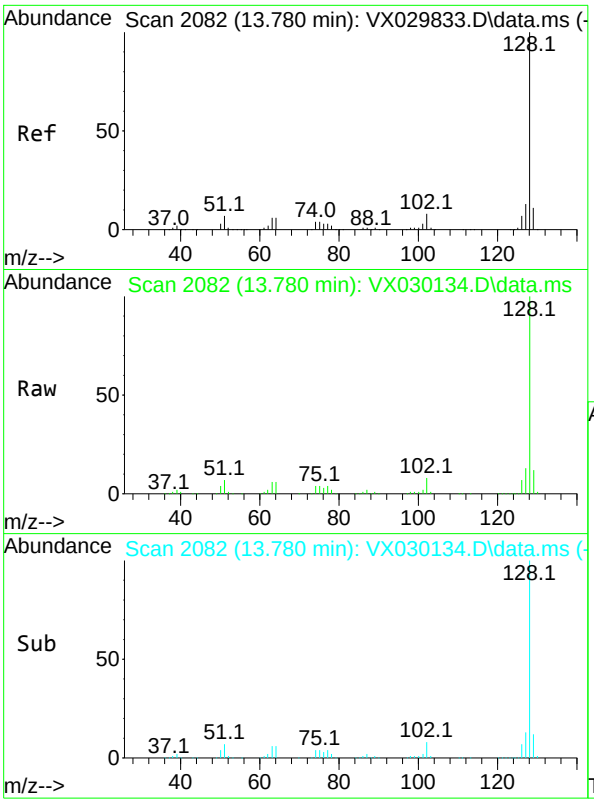


#94
Hexachlorobutadiene
Concen: 18.417 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:225 Resp: 20613

Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.6	91.6
227	65.3	31.9	95.9





#95
Naphthalene
Concen: 17.990 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:128 Resp: 20018

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.6	13.0

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Manual Integrations
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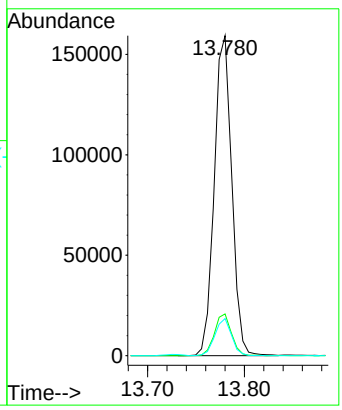
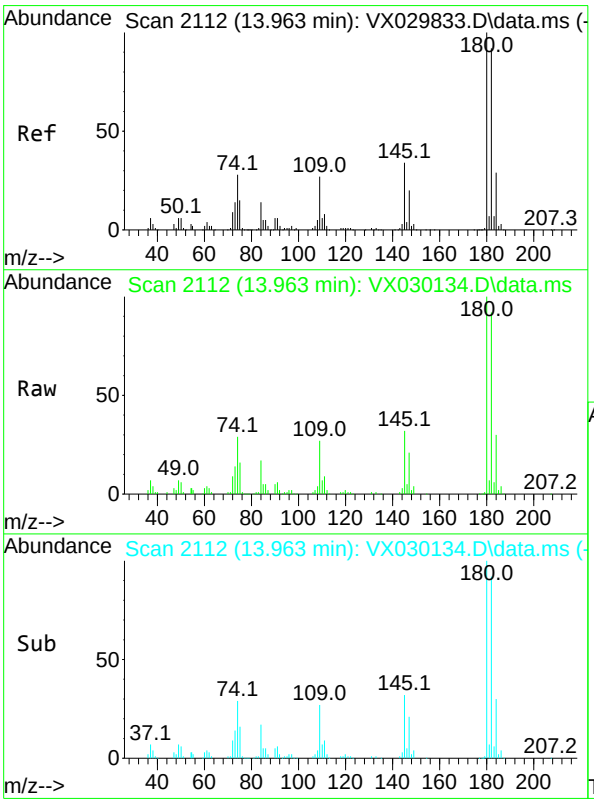
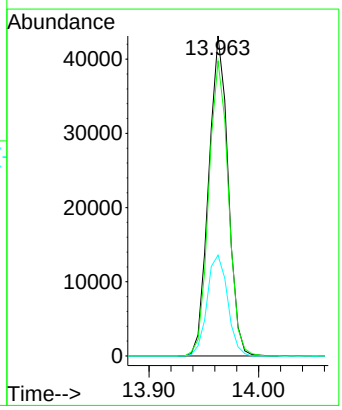




#96
1,2,3-Trichlorobenzene
Concen: 18.605 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX030134.D
Acq: 20 Jul 2022 15:59

Tgt Ion:180 Resp: 53070

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.0	141.0
145	33.2	17.0	50.9