Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090219\
Data File : VU034165.D
Acq On : 01 Sep 2019 13:46
Operator : JC/SP
Sample : VU0902WBS02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 08:53:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VU0902WBS02

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	397728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	616869	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	603196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	326863	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	248786	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.64%			
35) Dibromofluoromethane	4.86	113	212310	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery = 99.24%			
50) Toluene-d8	7.54	98	806689	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery = 100.70%			
62) 4-Bromofluorobenzene	10.29	95	302687	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	79676	19.919	ug/l	99
3) Chloromethane	1.32	50	100712	17.494	ug/l	98
4) Vinyl Chloride	1.40	62	104395	19.609	ug/l	99
5) Bromomethane	1.62	94	53916	17.232	ug/l	100
6) Chloroethane	1.69	64	64031	19.673	ug/l	100
7) Trichlorofluoromethane	1.88	101	124808	20.233	ug/l	99
8) Diethyl Ether	2.09	74	52955	20.067	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	78439	20.072	ug/l	99
10) Methyl Iodide	2.40	142	51876	9.358	ug/l	99
11) Tert butyl alcohol	2.81	59	104166	88.635	ug/l	100
12) 1,1-Dichloroethene	2.27	96	80613	20.246	ug/l	99
13) Acrolein	2.18	56	28437	57.520	ug/l	98
14) Allyl chloride	2.58	41	147207m	19.664	ug/l	
15) Acrylonitrile	2.92	53	277133	102.765	ug/l	99
16) Acetone	2.31	43	239355	92.048	ug/l	98
17) Carbon Disulfide	2.47	76	226756	17.994	ug/l	100
18) Methyl Acetate	2.60	43	131152	19.518	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	272602	20.896	ug/l	99
20) Methylene Chloride	2.69	84	98816	20.073	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	87356	20.215	ug/l	99
22) Diisopropyl ether	3.55	45	292597	21.330	ug/l	93
23) Vinyl Acetate	3.50	43	1216136	103.202	ug/l	99
24) 1,1-Dichloroethane	3.43	63	168534	20.810	ug/l	99
25) 2-Butanone	4.24	43	361758	99.995	ug/l	100
26) 2,2-Dichloropropane	4.20	77	129465	19.646	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	99028	20.417	ug/l	97
28) Bromochloromethane	4.52	49	85047	21.314	ug/l	100
29) Tetrahydrofuran	4.62	42	233768	104.779	ug/l	98
30) Chloroform	4.65	83	164657	20.377	ug/l	99
31) Cyclohexane	4.97	56	144944	19.046	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	135527	20.479	ug/l	98
36) 1,1-Dichloropropene	5.12	75	115721	19.833	ug/l	99
37) Ethyl Acetate	4.36	43	133277	20.398	ug/l	100
38) Carbon Tetrachloride	5.11	117	115234	20.460	ug/l	97

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Sample : VU0902WBS02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 08:53:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VU0902WBS02

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	6.40	83	132860	19.319	ug/l		99
40) Benzene	5.37	78	368056	20.849	ug/l		99
41) Methacrylonitrile	4.52	41	70832	21.138	ug/l		99
42) 1,2-Dichloroethane	5.38	62	128313	21.049	ug/l		100
43) Isopropyl Acetate	5.53	43	201412	20.262	ug/l		99
44) Trichloroethene	6.17	130	96935	20.910	ug/l		100
45) 1,2-Dichloropropane	6.41	63	102913	21.178	ug/l		100
46) Dibromomethane	6.54	93	66718	21.310	ug/l		100
47) Bromodichloromethane	6.74	83	128168	20.924	ug/l		100
48) Methyl methacrylate	6.60	41	94547	19.711	ug/l		97
49) 1,4-Dioxane	6.59	88	40272	335.082	ug/l		99
51) 4-Methyl-2-Pentanone	7.44	43	690953	100.650	ug/l		99
52) Toluene	7.62	92	231437	21.282	ug/l		99
53) t-1,3-Dichloropropene	7.86	75	134810	19.835	ug/l		100
54) cis-1,3-Dichloropropene	7.25	75	152023	20.473	ug/l		99
55) 1,1,2-Trichloroethane	8.05	97	94840	20.618	ug/l		99
56) Ethyl methacrylate	8.00	69	133171	18.086	ug/l		99
57) 1,3-Dichloropropane	8.22	76	161971	20.738	ug/l		99
58) 2-Chloroethyl Vinyl ether	7.11	63	232412	91.327	ug/l		100
59) 2-Hexanone	8.34	43	516889	99.740	ug/l		100
60) Dibromochloromethane	8.46	129	100491	20.352	ug/l		98
61) 1,2-Dibromoethane	8.57	107	96595	19.935	ug/l		97
64) Tetrachloroethene	8.21	164	85083	21.004	ug/l		99
65) Chlorobenzene	9.10	112	251626	20.271	ug/l		99
66) 1,1,1,2-Tetrachloroethane	9.19	131	87844	19.516	ug/l		99
67) Ethyl Benzene	9.23	91	422891	20.097	ug/l		99
68) m/p-Xylenes	9.36	106	324064	40.503	ug/l		99
69) o-Xylene	9.76	106	151457	19.731	ug/l		96
70) Styrene	9.77	104	274211	20.834	ug/l		100
71) Bromoform	9.94	173	74342	19.010	ug/l	#	100
73) Isopropylbenzene	10.15	105	424604	19.340	ug/l		99
74) N-amyl acetate	9.99	43	171888	18.614	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159588	18.991	ug/l		100
76) 1,2,3-Trichloropropane	10.48	75	140666m	19.094	ug/l		
77) Bromobenzene	10.43	156	112557	19.058	ug/l		97
78) n-propylbenzene	10.57	91	496159	19.405	ug/l		99
79) 2-Chlorotoluene	10.64	91	295860	19.291	ug/l		99
80) 1,3,5-Trimethylbenzene	10.75	105	368465	19.801	ug/l		100
81) trans-1,4-Dichloro-2-buten	10.49	75	43307m	19.795	ug/l		
82) 4-Chlorotoluene	10.75	91	347551	19.705	ug/l		100
83) tert-Butylbenzene	11.08	119	338463	18.476	ug/l		98
84) 1,2,4-Trimethylbenzene	11.13	105	367894	19.910	ug/l		100
85) sec-Butylbenzene	11.30	105	419384	19.101	ug/l		99
86) p-Isopropyltoluene	11.46	119	387840	19.531	ug/l		99
87) 1,3-Dichlorobenzene	11.40	146	206835	19.782	ug/l		99
88) 1,4-Dichlorobenzene	11.49	146	209321	19.795	ug/l		99
89) n-Butylbenzene	11.87	91	336516	19.222	ug/l		100
90) Hexachloroethane	12.12	117	55760	16.241	ug/l		98
91) 1,2-Dichlorobenzene	11.86	146	200224	19.991	ug/l		99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31835	19.016	ug/l		94

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Operator : JC/SP
Sample : VU0902WBS02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

Manual Integrations APPROVED
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9/3/2019 11:33:45 AM

Quant Time: Sep 02 08:53:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	125230	18.301	ug/l	98
94) Hexachlorobutadiene	13.67	225	62911	16.056	ug/l	100
95) Naphthalene	13.72	128	342093	17.957	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	128117	19.968	ug/l	97

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

Quantitation Report (QT Reviewed)

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Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

Manual Integrations APPROVED
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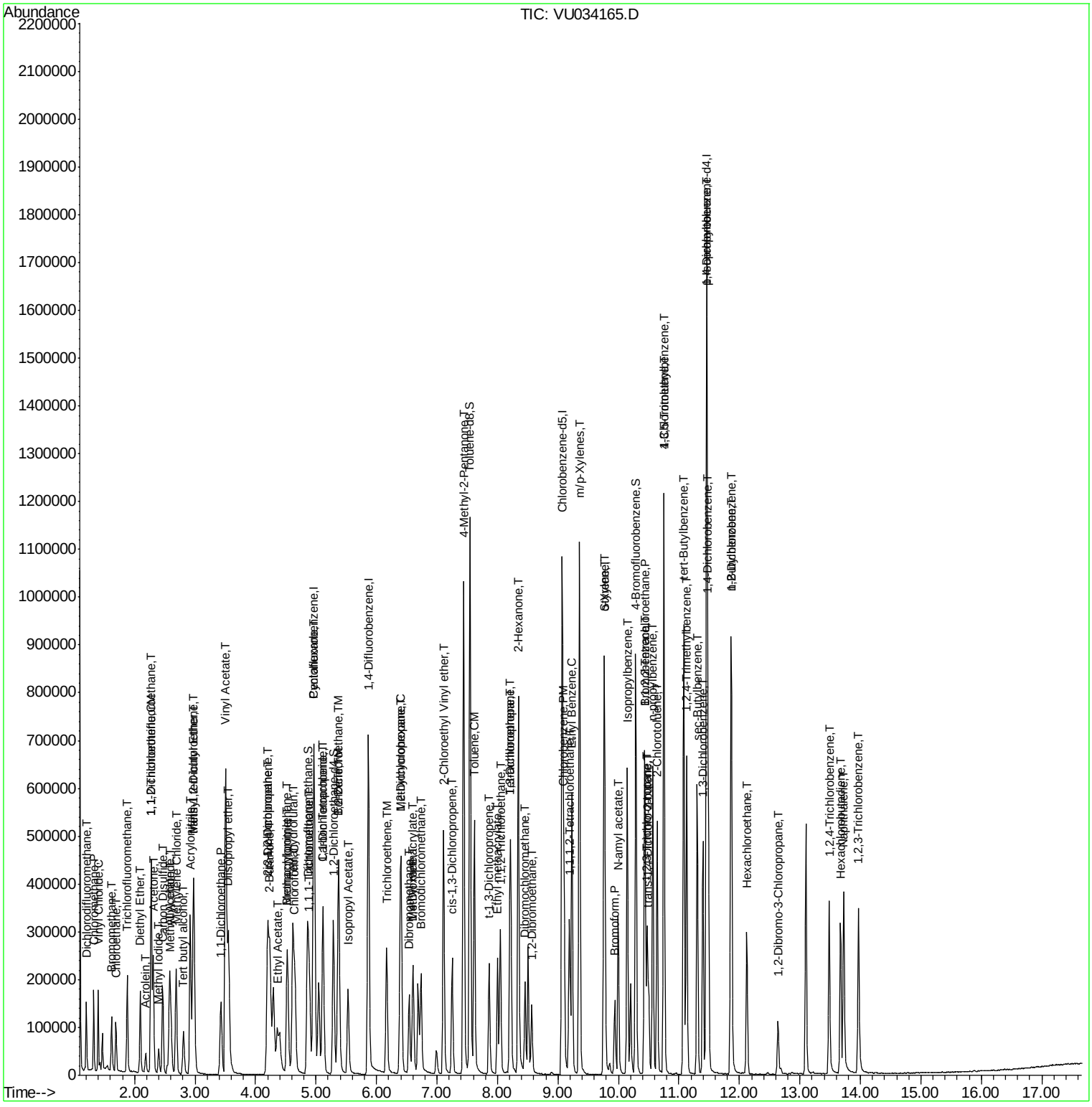
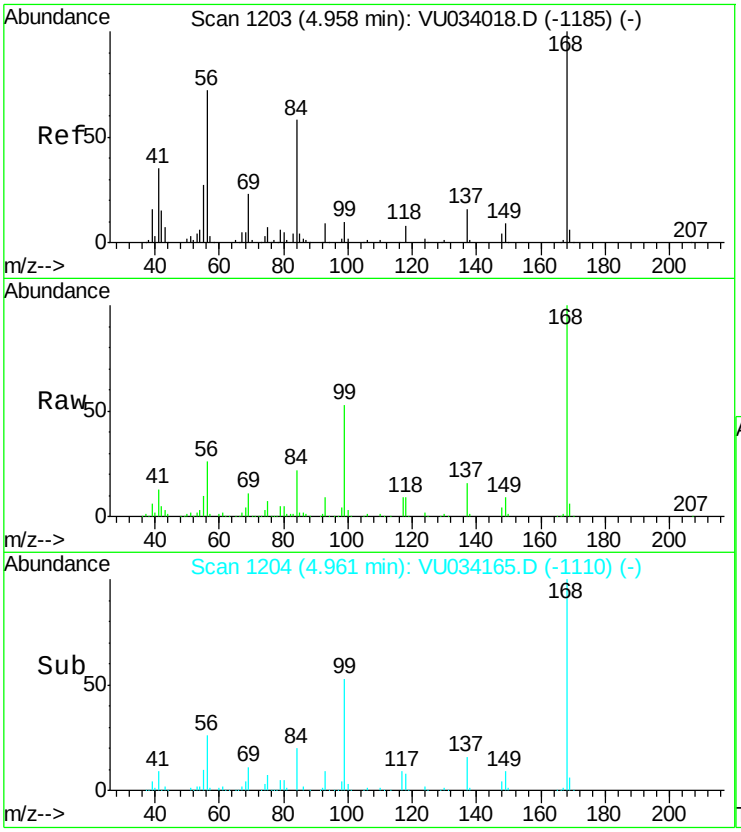
9/3/2019 11:33:45 AM

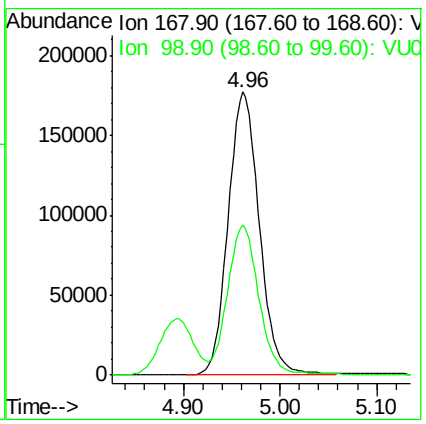




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:168 Resp: 397728

Ion	Ratio	Lower	Upper
168	100		
99	52.5	42.3	63.5



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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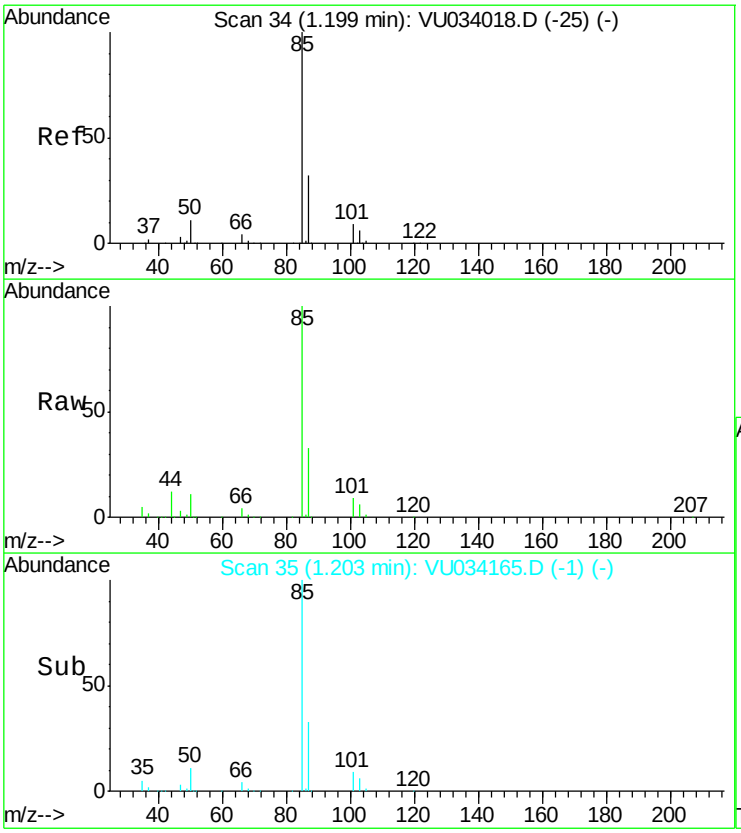
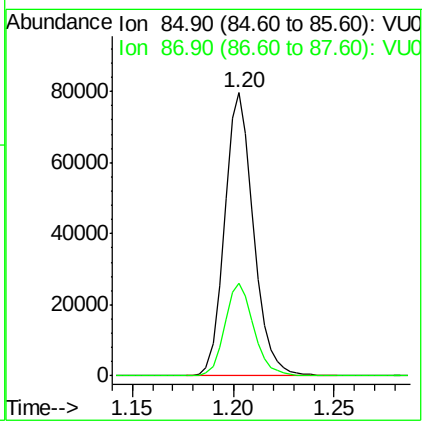
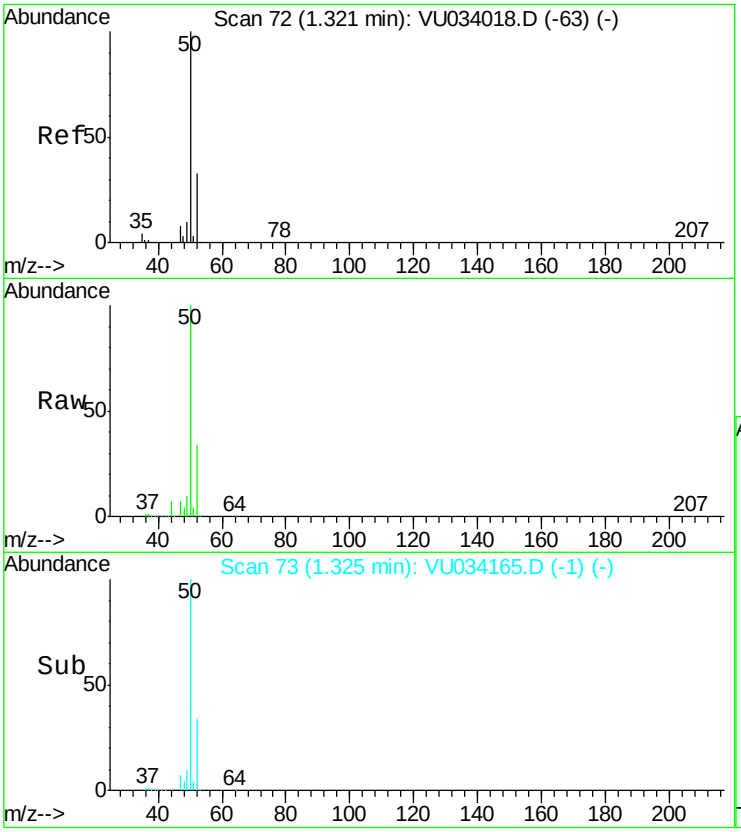


#2
Dichlorodifluoromethane
Concen: 19.919 ug/l
RT: 1.20 min Scan# 35
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 85 Resp: 79676

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.1	48.3

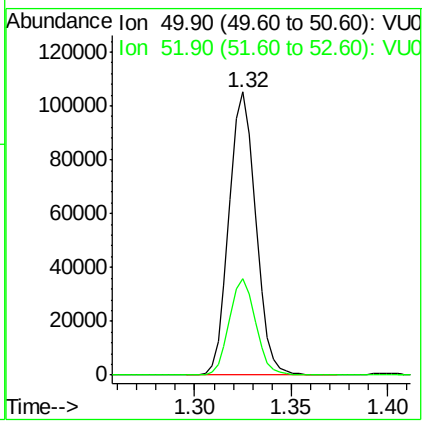




#3
Chloromethane
Concen: 17.494 ug/l
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 50 Resp: 100712

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.2	39.4



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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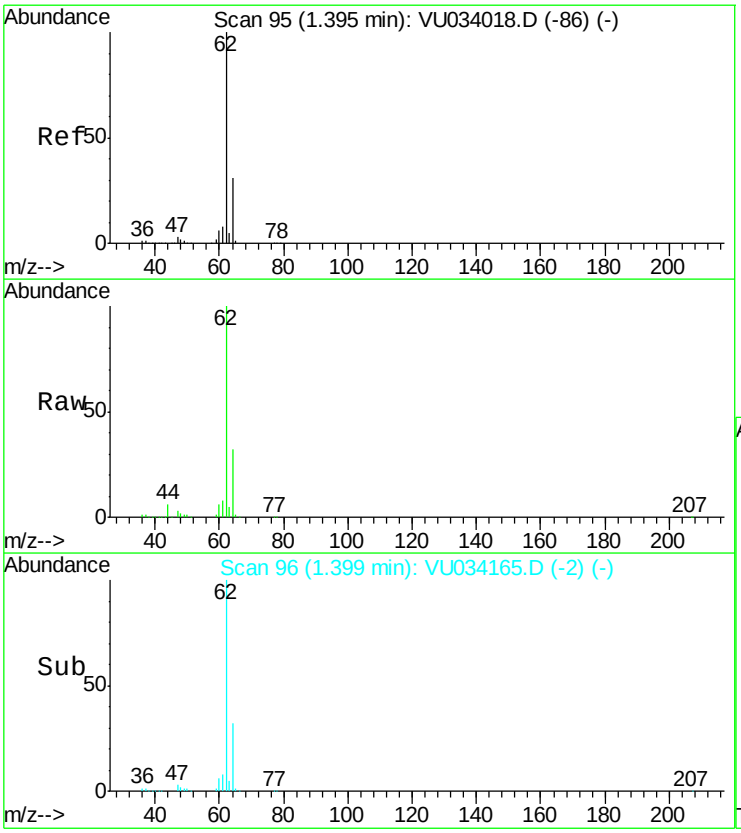
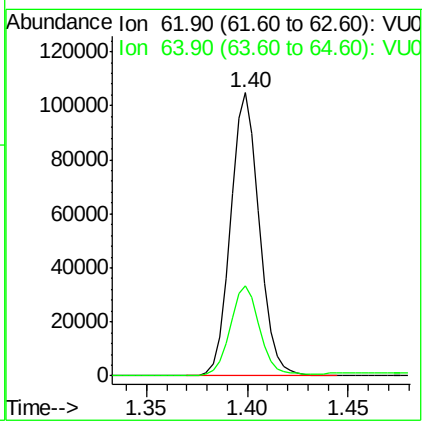
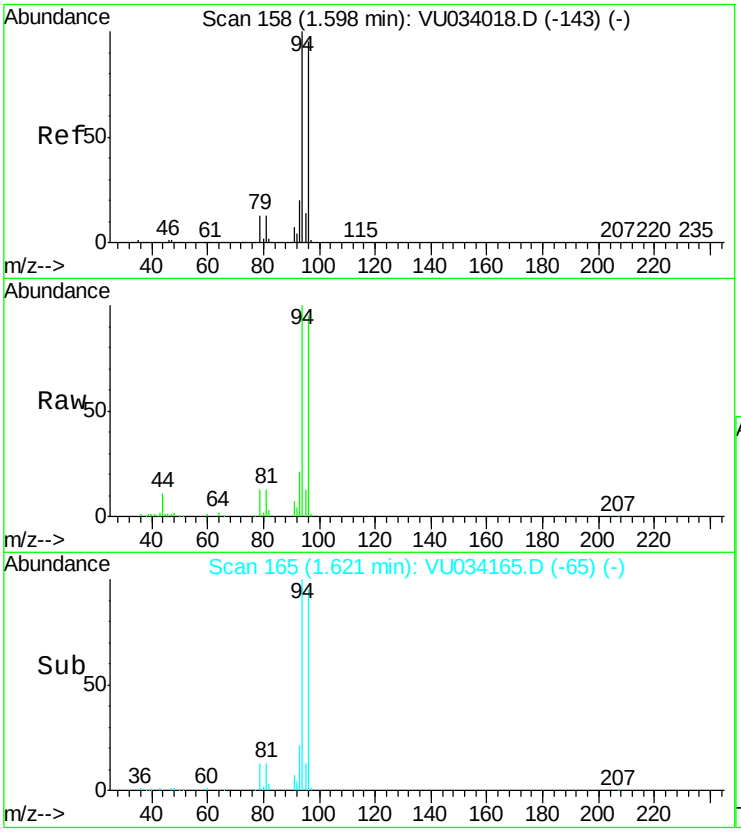


#4
Vinyl Chloride
Concen: 19.609 ug/l
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 62 Resp: 104395

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.0	37.6

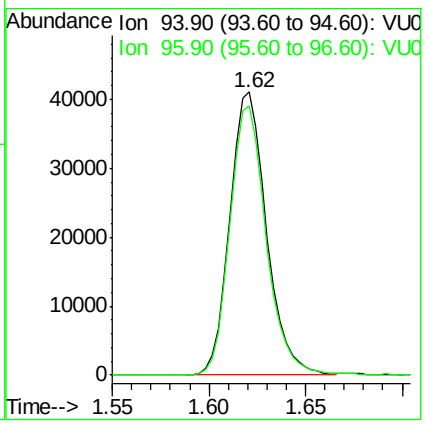




#5
Bromomethane
Concen: 17.232 ug/l
RT: 1.62 min Scan# 165
Delta R.T. 0.02 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 94 Resp: 53916

Ion	Ratio	Lower	Upper
94	100		
96	95.1	76.3	114.5



Instrument :
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ClientSampleId :
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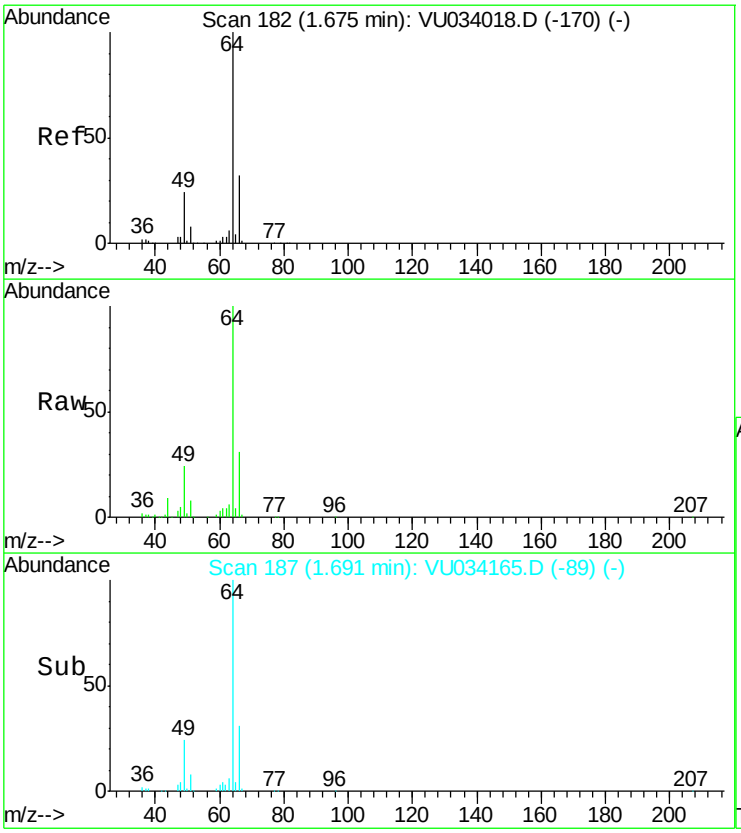
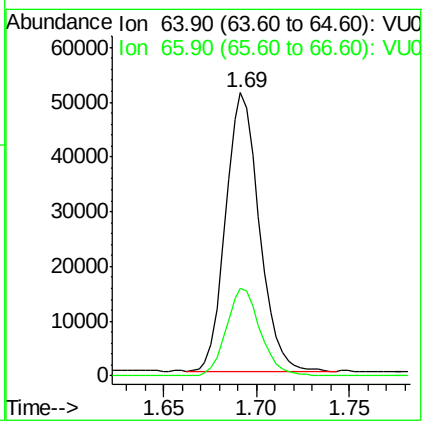
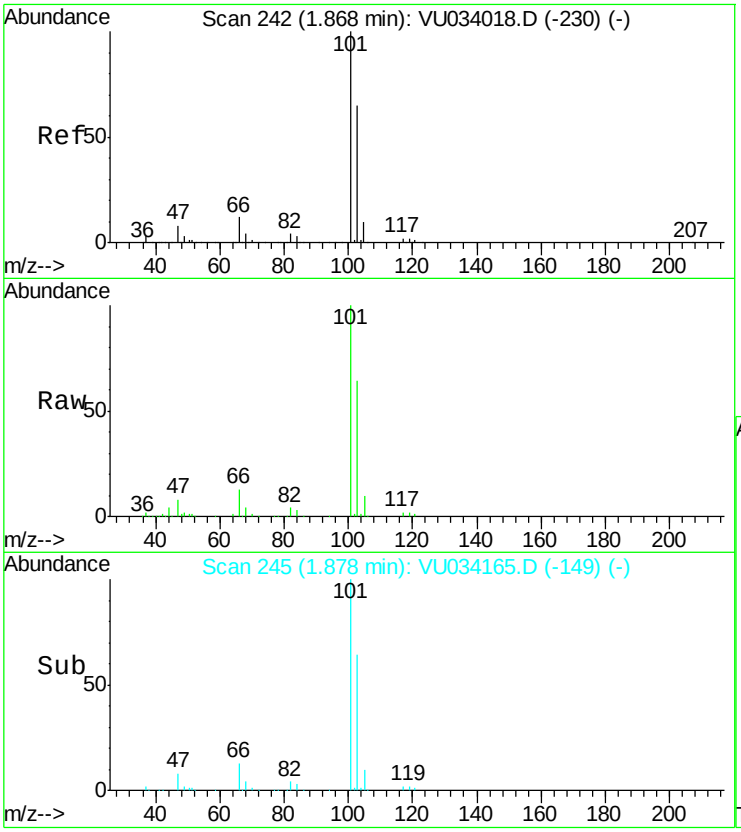


#6
Chloroethane
Concen: 19.673 ug/l
RT: 1.69 min Scan# 187
Delta R.T. 0.02 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 64 Resp: 64031

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.5	38.3

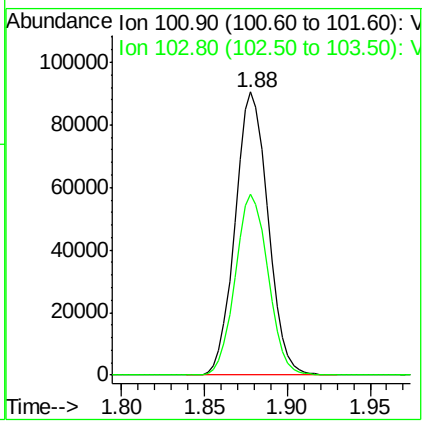




#7
Trichlorofluoromethane
Concen: 20.233 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:101 Resp: 124808

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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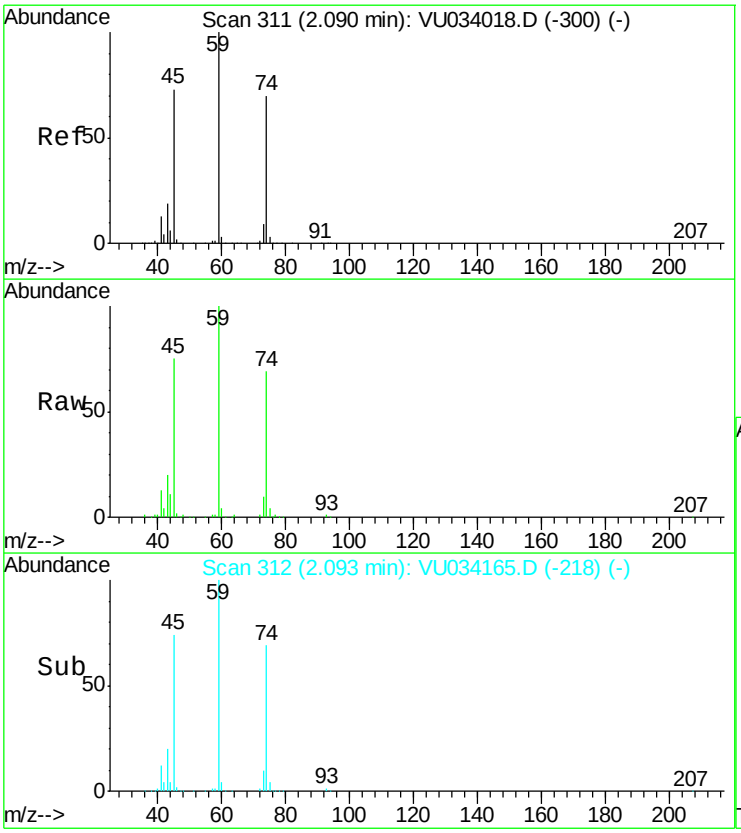
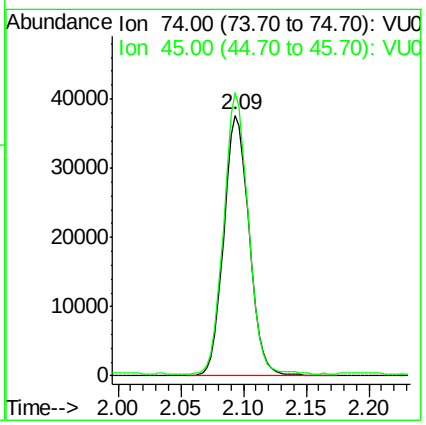
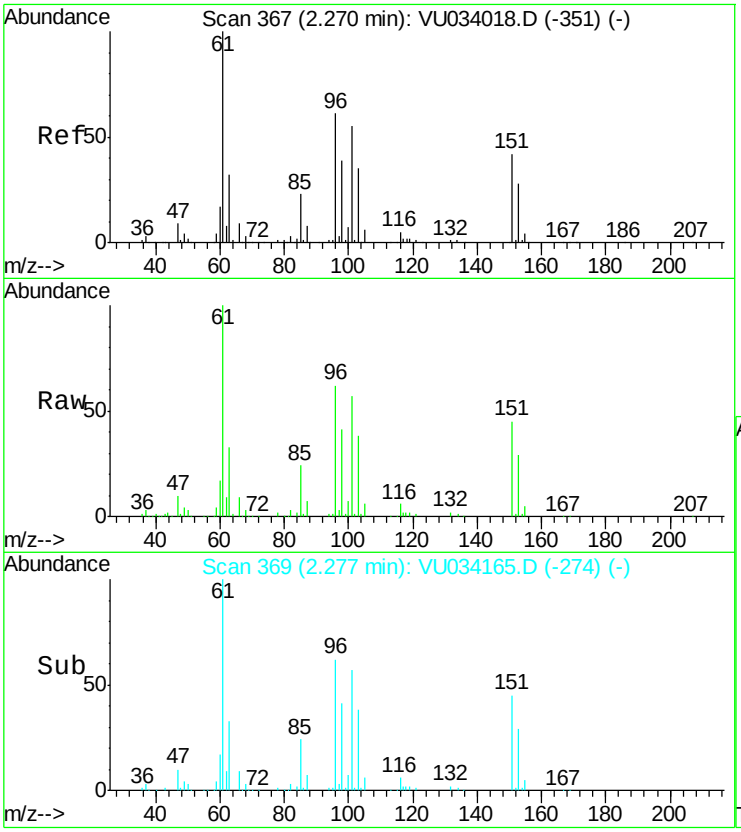


#8
Diethyl Ether
Concen: 20.067 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 74 Resp: 52955

Ion	Ratio	Lower	Upper
74	100		
45	104.0	51.8	155.5

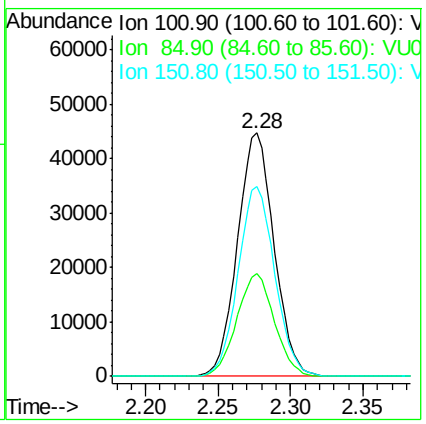




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.072 ug/l
RT: 2.28 min Scan# 369
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

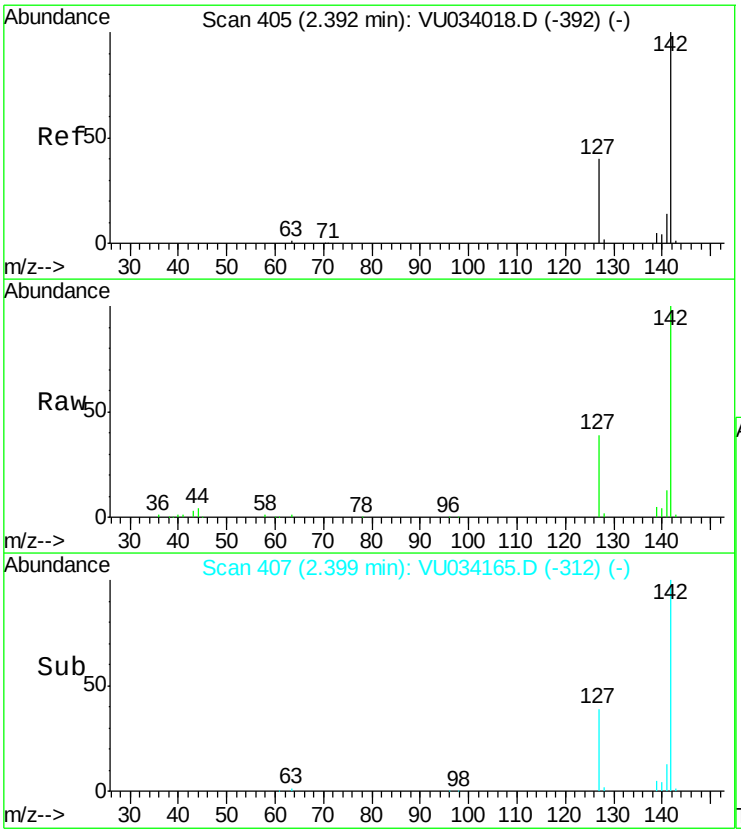
Tgt Ion:101 Resp: 78439

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.2	51.2
151	78.4	61.4	92.2



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

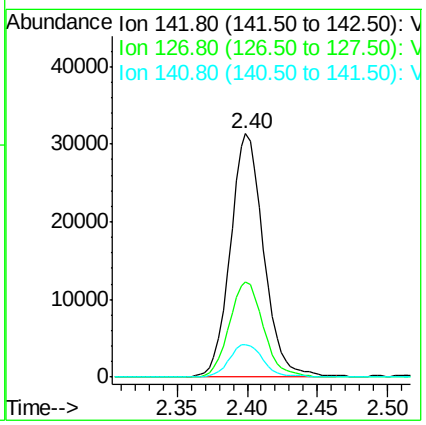
Manual Integrations APPROVED
MMDadoda
9/3/2019 11:33:45 AM

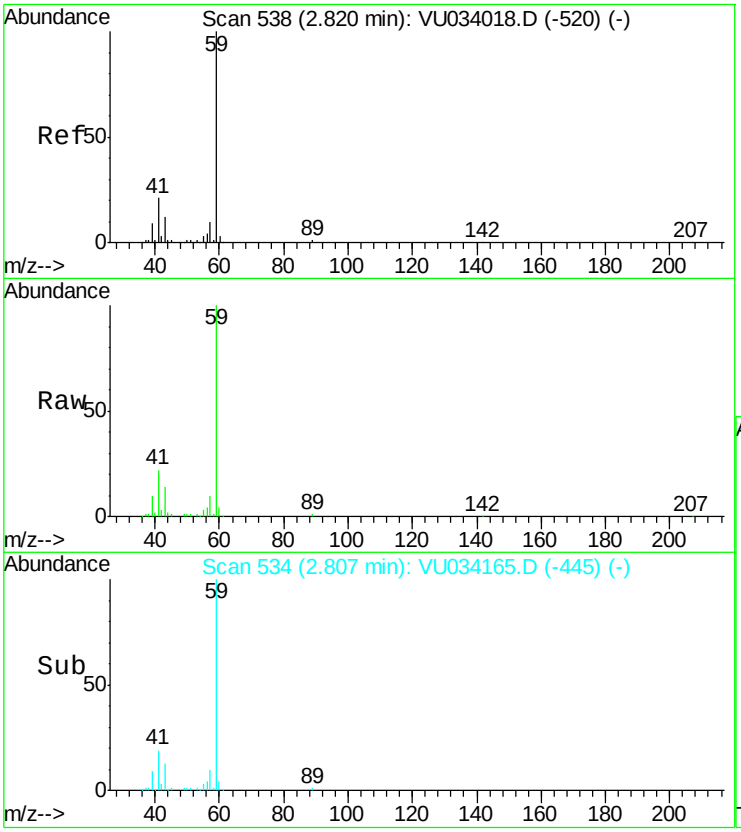


#10
Methyl Iodide
Concen: 9.358 ug/l
RT: 2.40 min Scan# 407
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:142 Resp: 51876

Ion	Ratio	Lower	Upper
142	100		
127	39.9	32.6	48.8
141	13.6	11.3	16.9

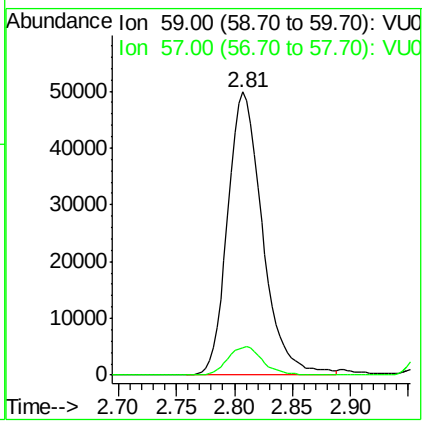




#11
Tert butyl alcohol
Concen: 88.635 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 59 Resp: 104166

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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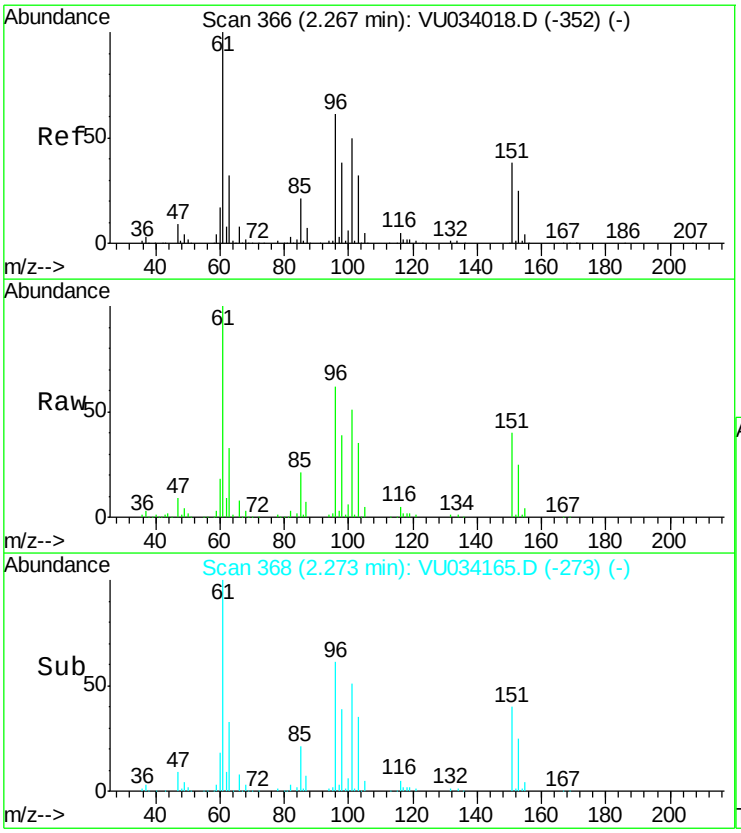
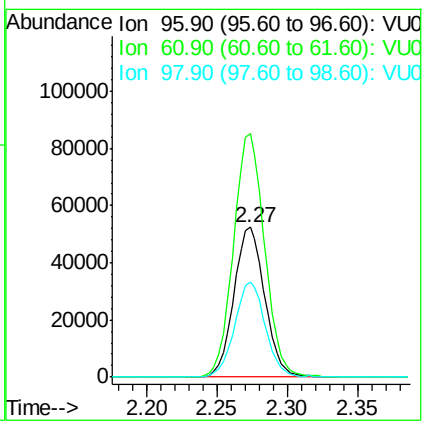
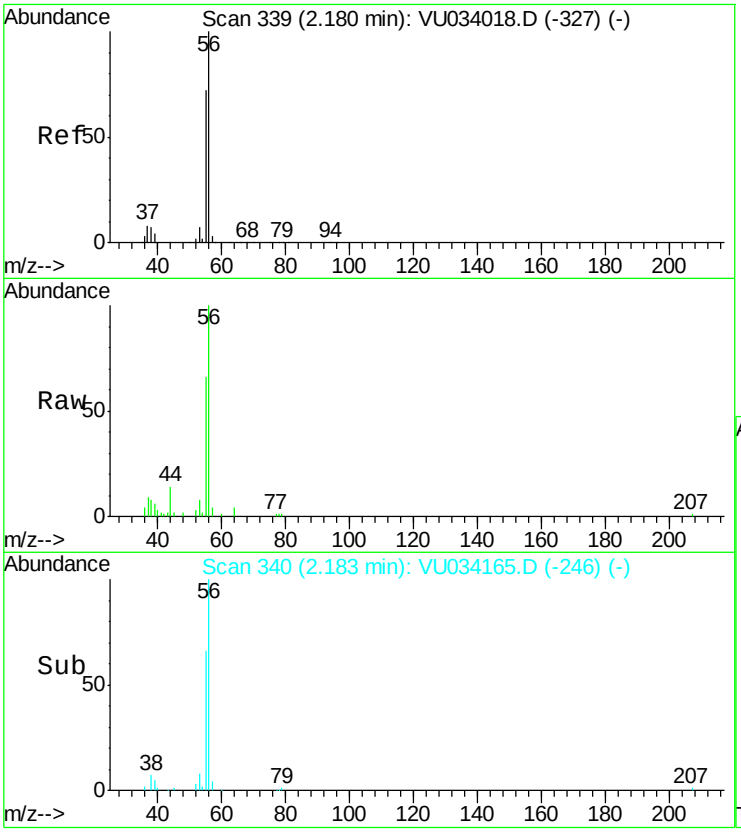


#12
1,1-Dichloroethene
Concen: 20.246 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 96 Resp: 80613

Ion	Ratio	Lower	Upper
96	100		
61	162.5	131.3	196.9
98	63.8	50.3	75.5

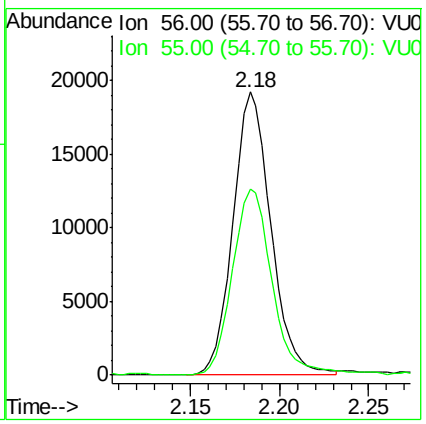




#13
Acrolein
Concen: 57.520 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 56 Resp: 28437

Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.1	85.7



Instrument :
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ClientSampleId :
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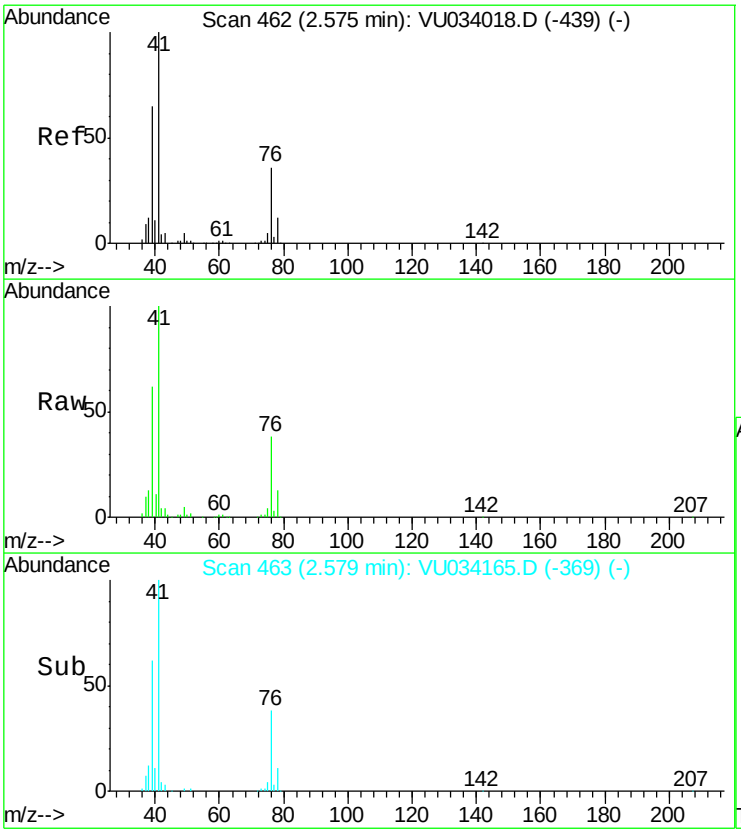
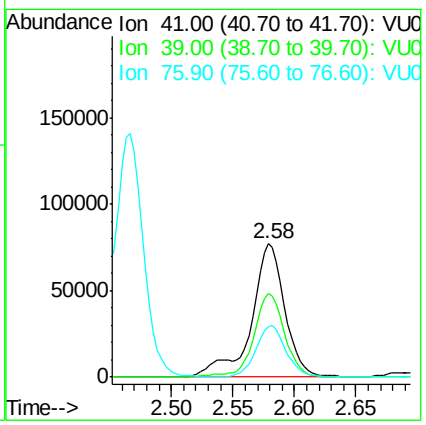
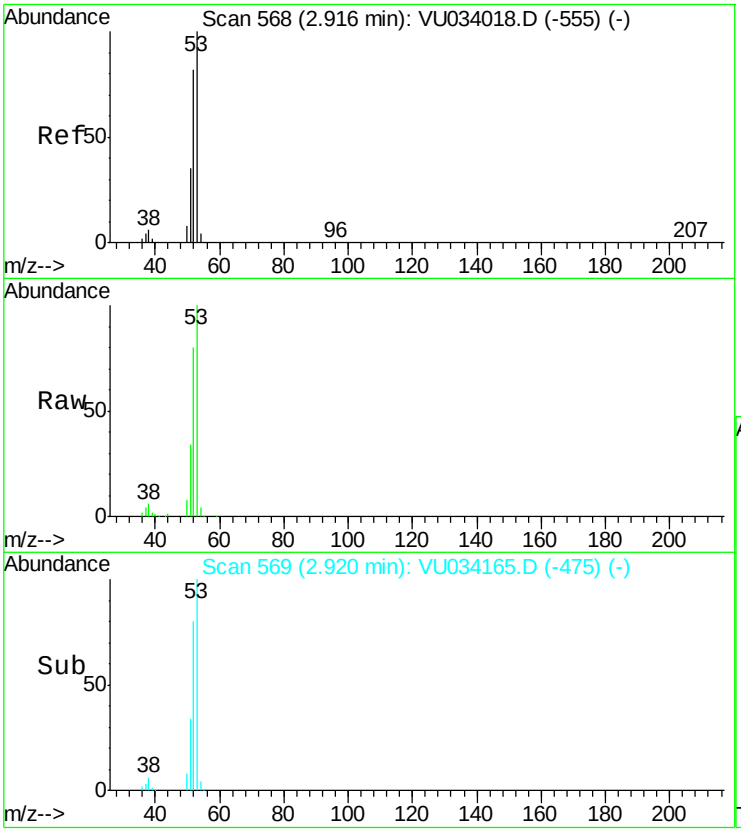


#14
Allyl chloride
Concen: 19.664 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 41 Resp: 147207

Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.8	70.2
76	34.0	26.6	40.0

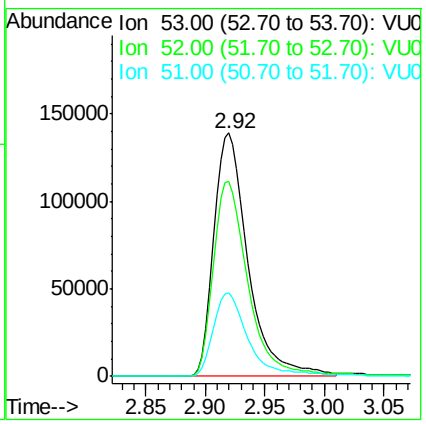




#15
Acrylonitrile
Concen: 102.765 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 53 Resp: 277133

Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.7	98.5
51	35.1	27.9	41.9



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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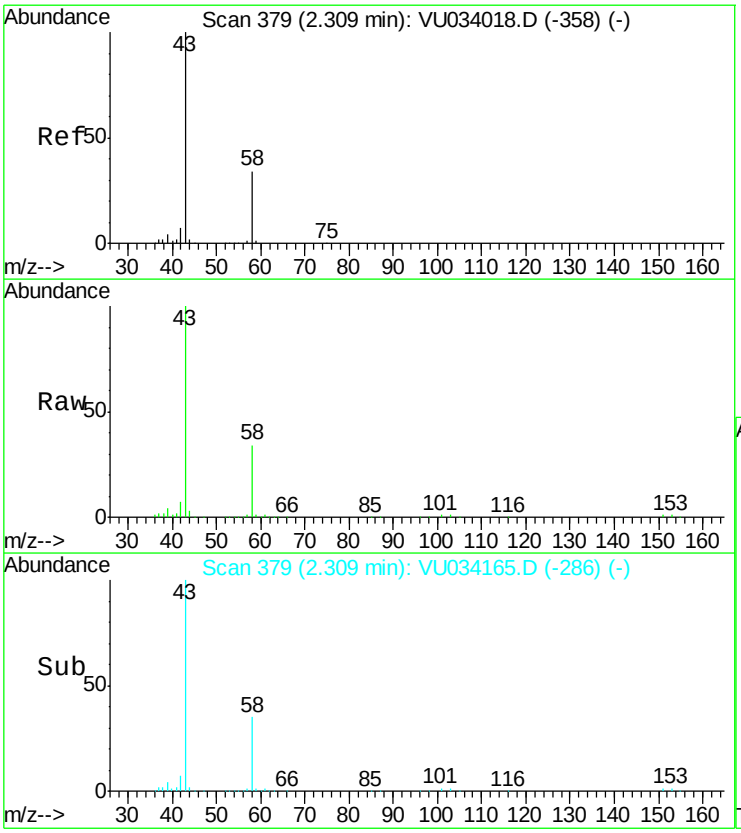
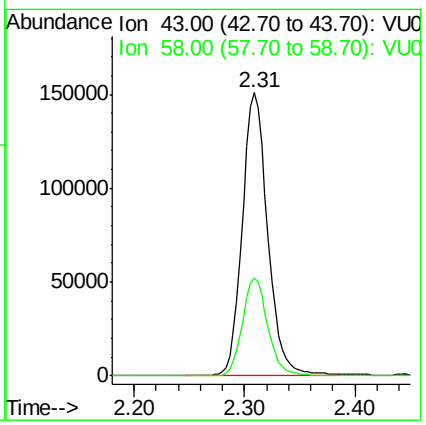
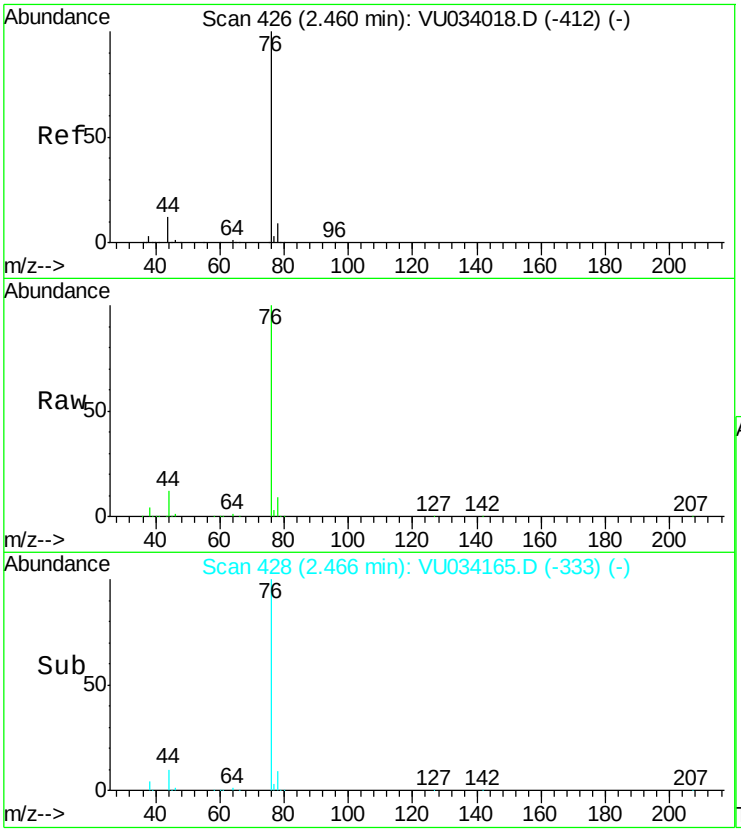


#16
Acetone
Concen: 92.048 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 239355

Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.8	40.2

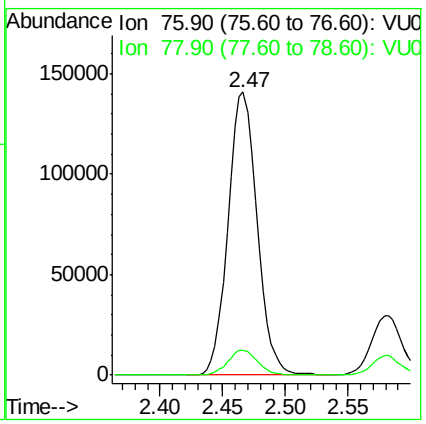




#17
Carbon Disulfide
Concen: 17.994 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 76 Resp: 226756

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



Instrument :
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ClientSampleId :
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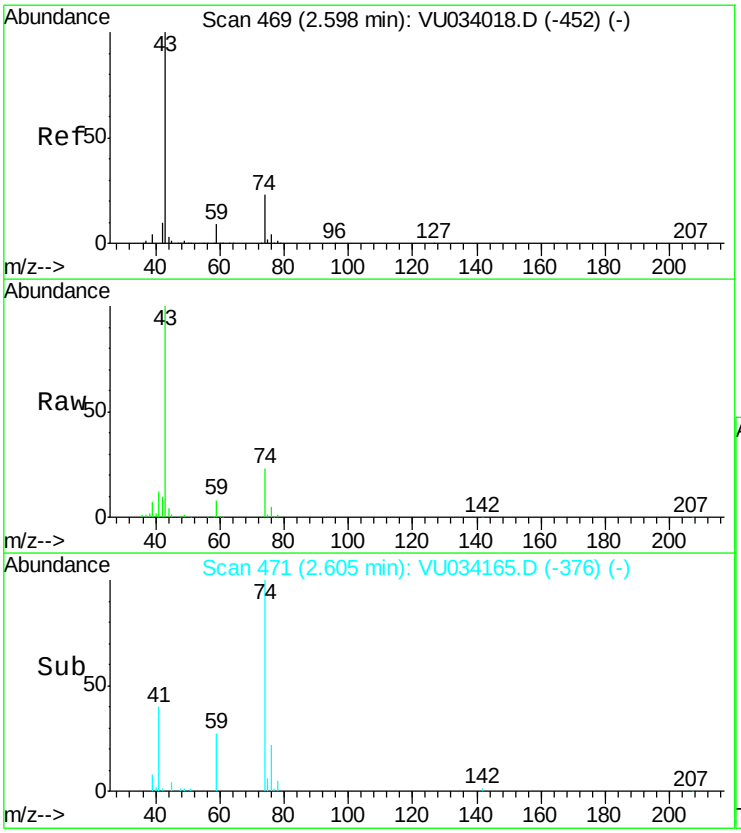
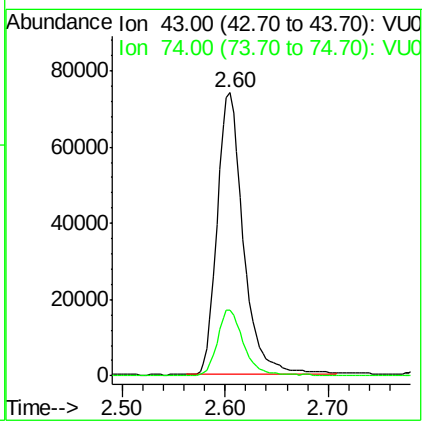
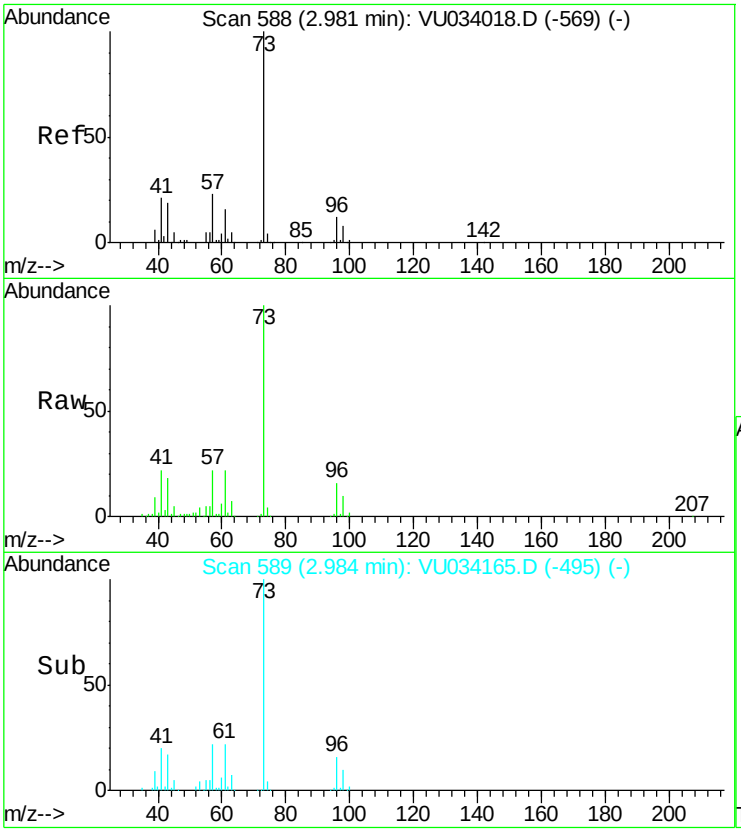


#18
Methyl Acetate
Concen: 19.518 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 131152

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8

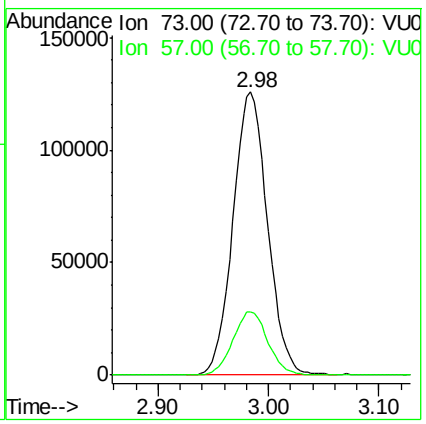




#19
Methyl tert-butyl Ether
Concen: 20.896 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 73 Resp: 272602

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.3	27.5



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

Manual Integrations APPROVED
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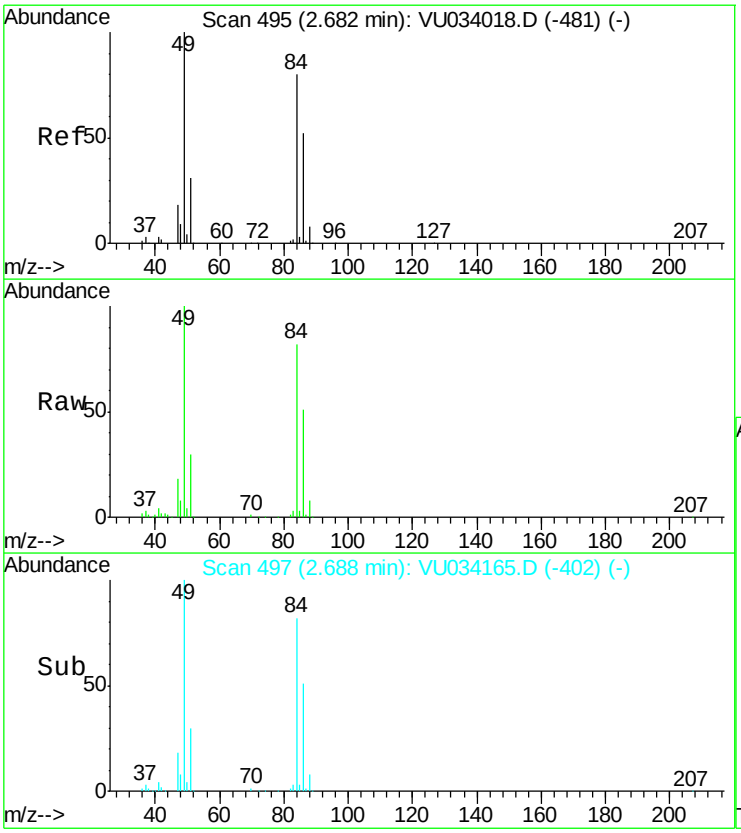
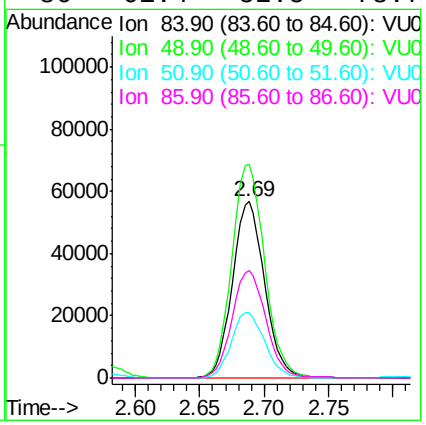
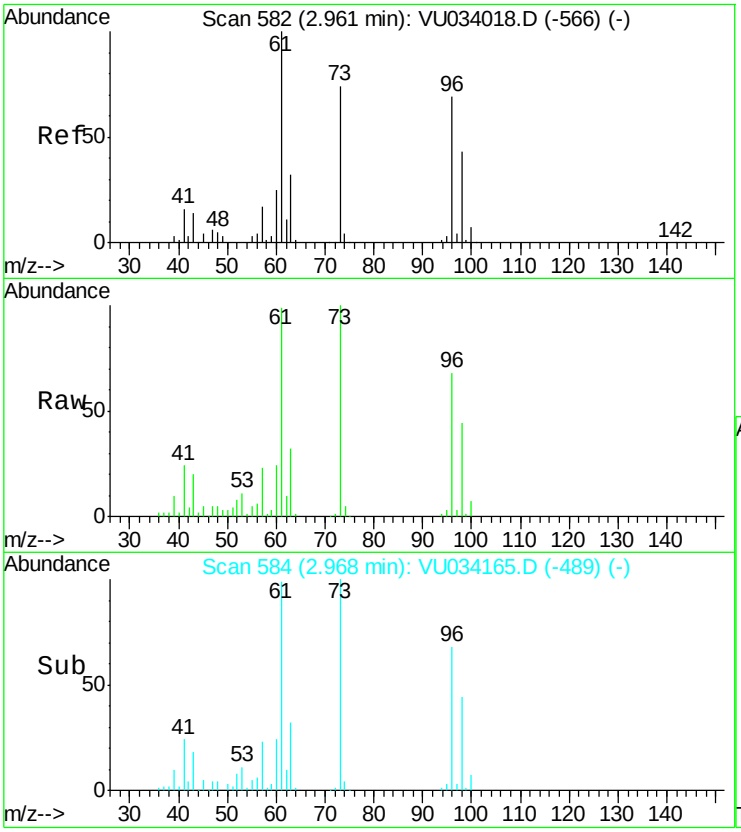


#20
Methylene Chloride
Concen: 20.073 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 84 Resp: 98816

Ion	Ratio	Lower	Upper
84	100		
49	121.3	100.2	150.4
51	36.8	30.8	46.2
86	61.4	52.5	78.7

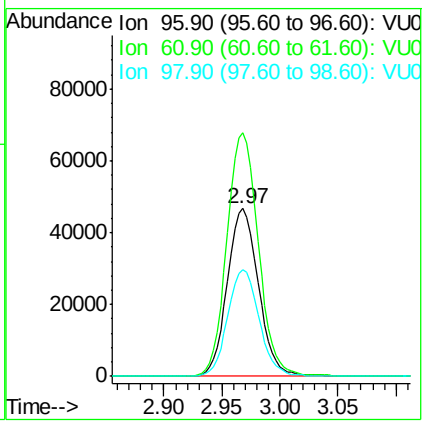




#21
trans-1,2-Dichloroethene
Concen: 20.215 ug/l
RT: 2.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 96 Resp: 87356

Ion	Ratio	Lower	Upper
96	100		
61	145.2	115.5	173.3
98	63.8	50.1	75.1



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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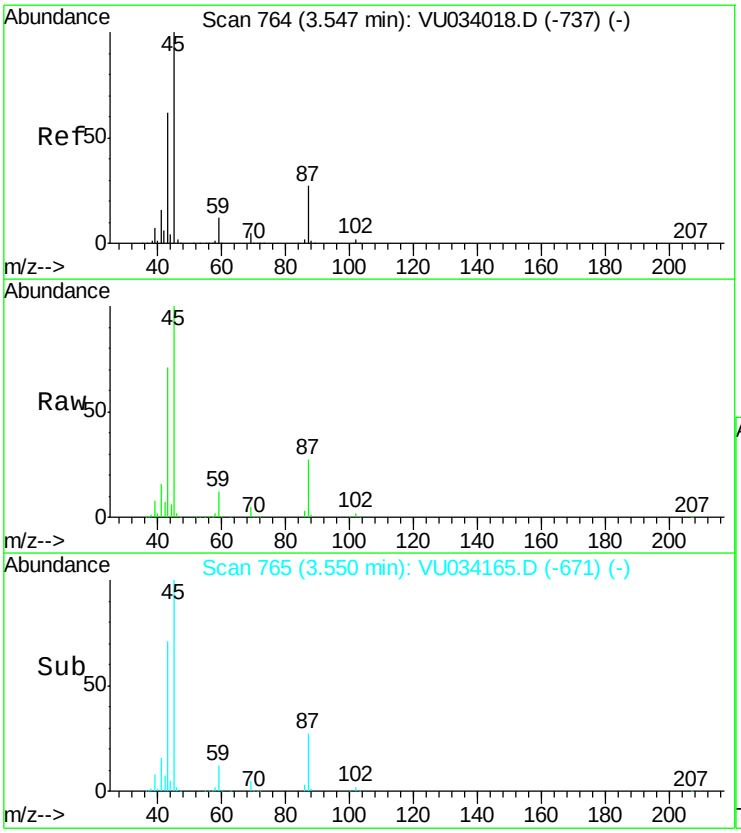
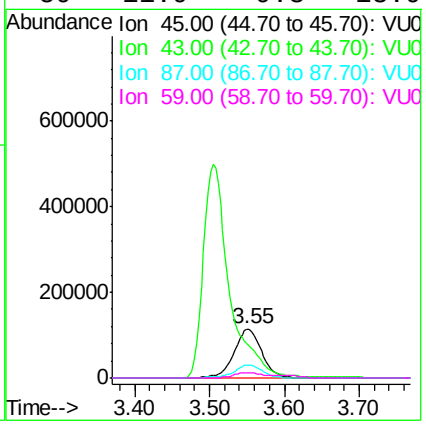
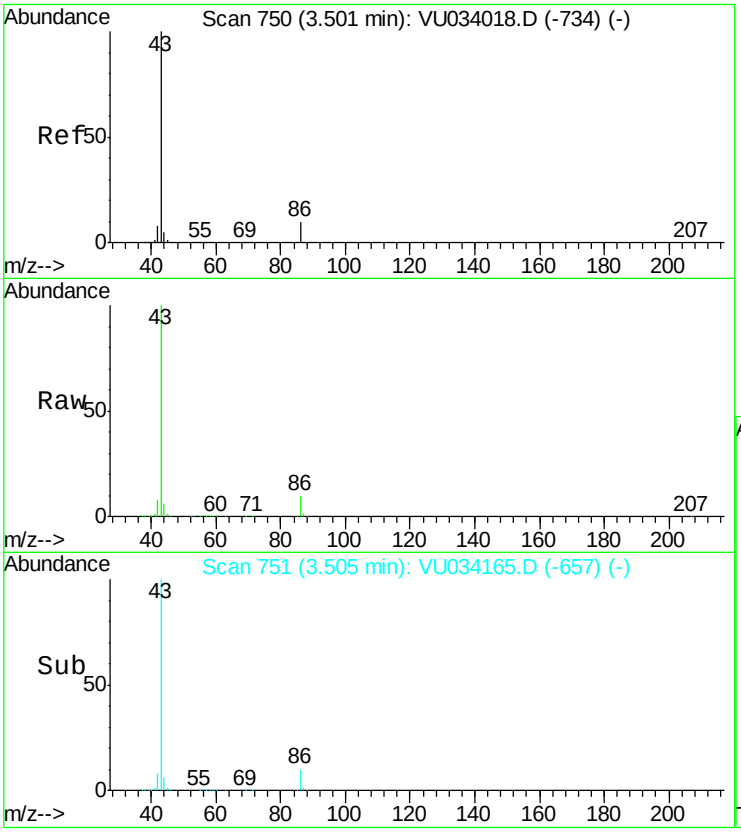


#22
Diisopropyl ether
Concen: 21.330 ug/l
RT: 3.55 min Scan# 765
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 45 Resp: 292597

Ion	Ratio	Lower	Upper
45	100		
43	70.4	49.7	74.5
87	27.3	21.8	32.8
59	11.9	9.3	13.9

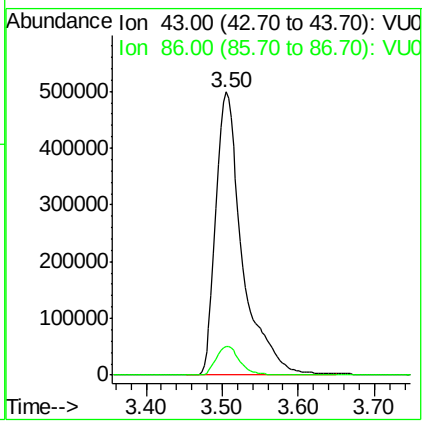




#23
Vinyl Acetate
Concen: 103.202 ug/l
RT: 3.50 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 1216136

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5



Instrument :
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ClientSampleId :
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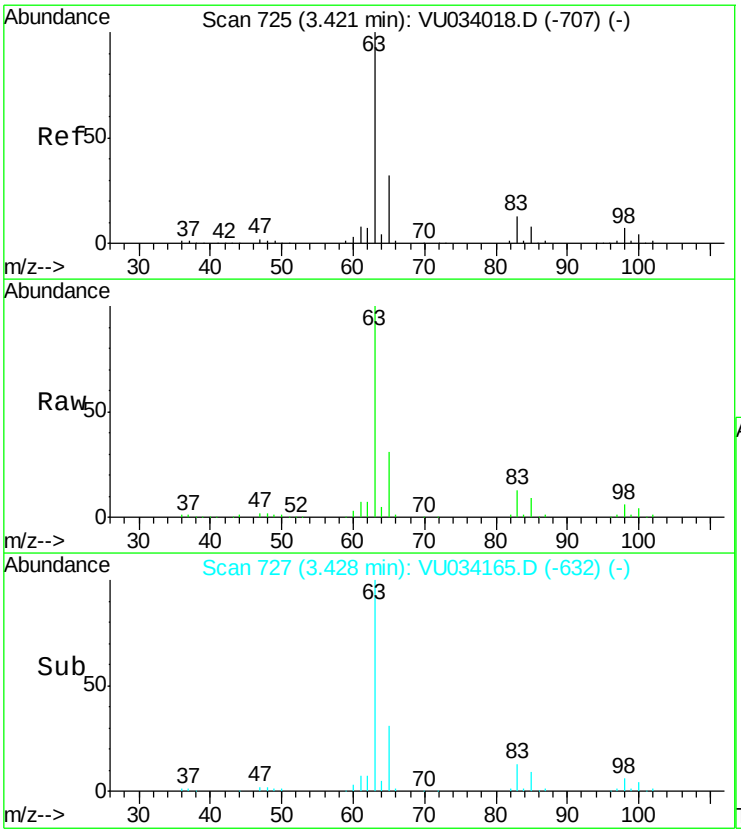
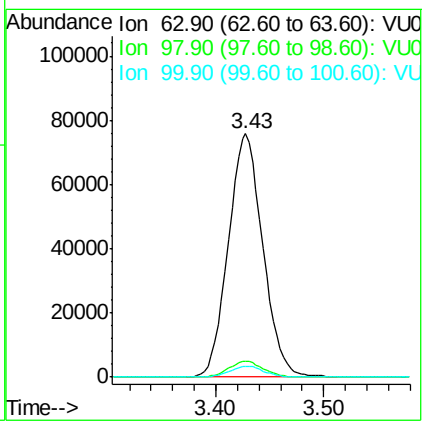
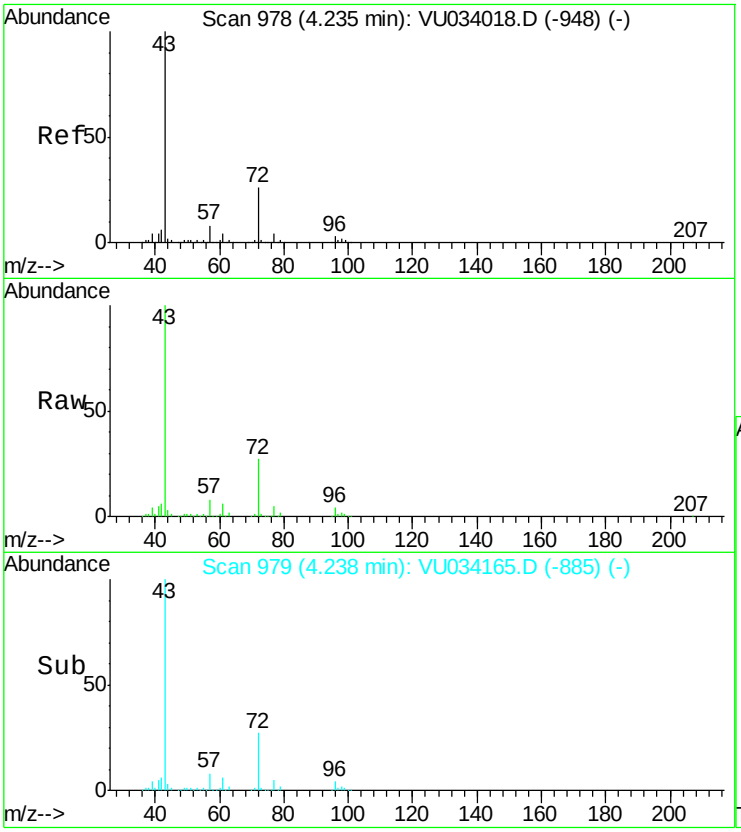


#24
1,1-Dichloroethane
Concen: 20.810 ug/l
RT: 3.43 min Scan# 727
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 63 Resp: 168534

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.5	2.0	6.0

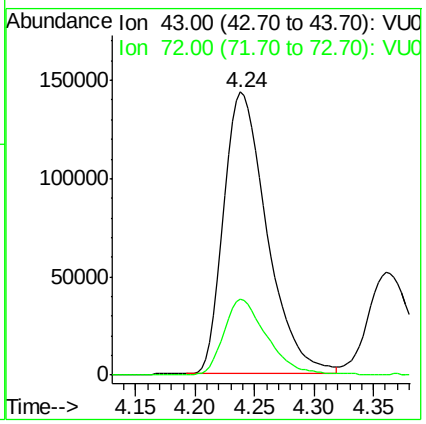




#25
2-Butanone
Concen: 99.995 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 361758

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.2	31.8



Instrument :
MSVOA_U
ClientSampleId :
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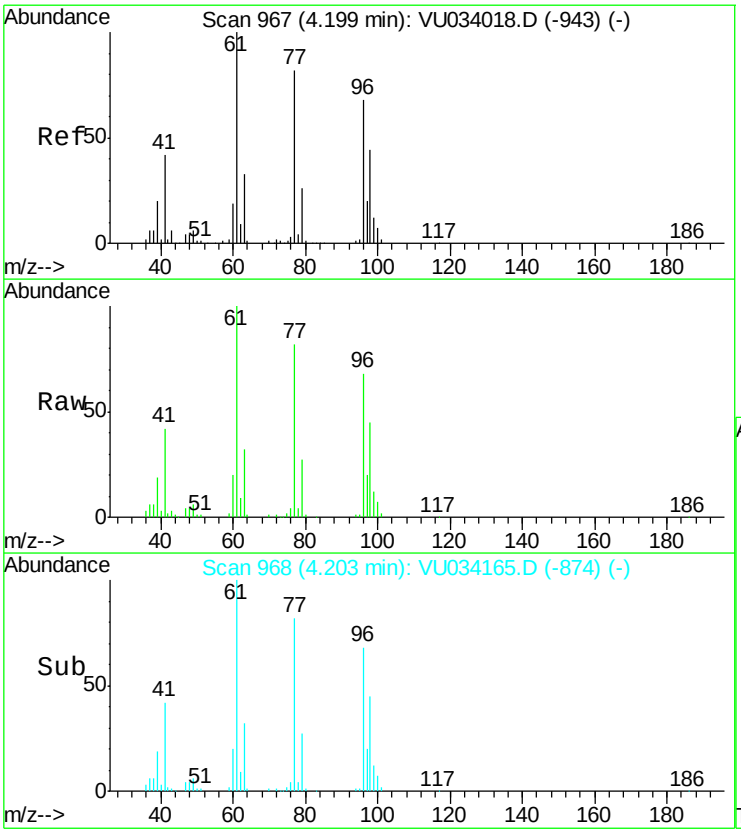
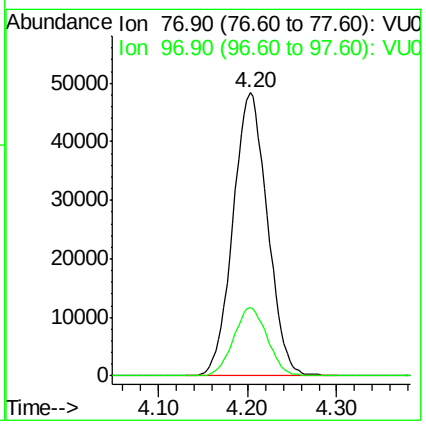
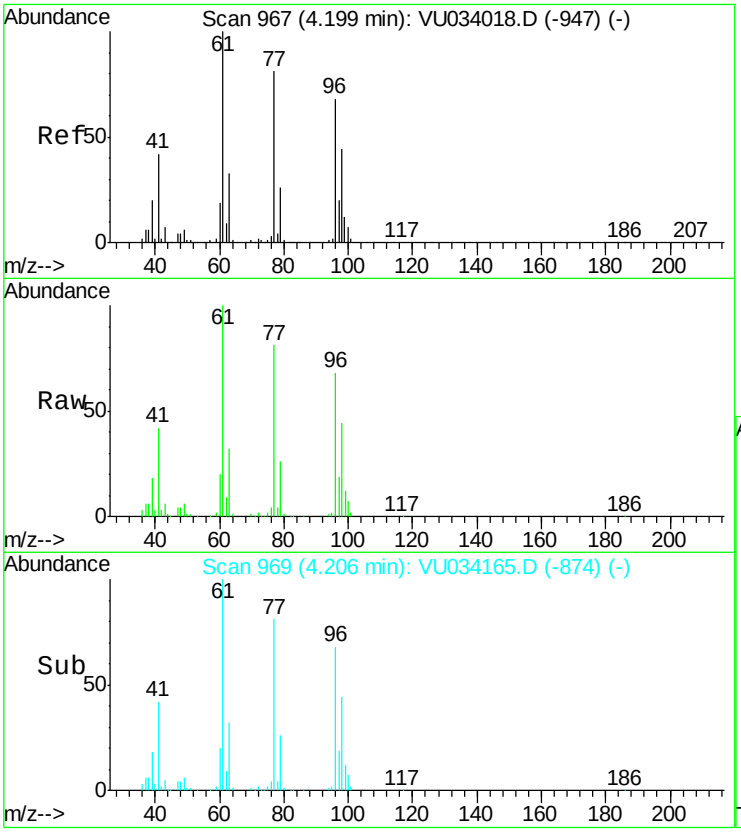


#26
2,2-Dichloropropane
Concen: 19.646 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 77 Resp: 129465

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.6	34.7

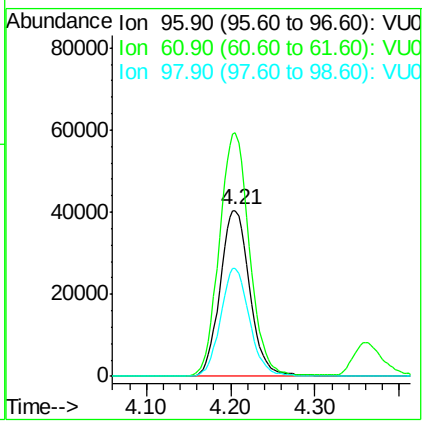




#27
cis-1,2-Dichloroethene
Concen: 20.417 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 96 Resp: 99028

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	303.0
98	63.2	0.0	129.2



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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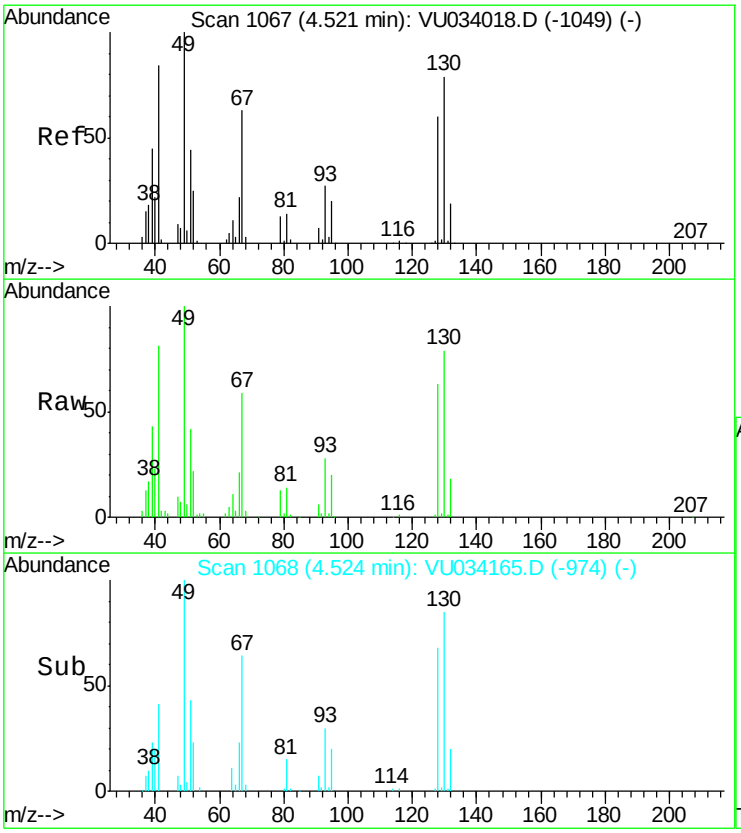
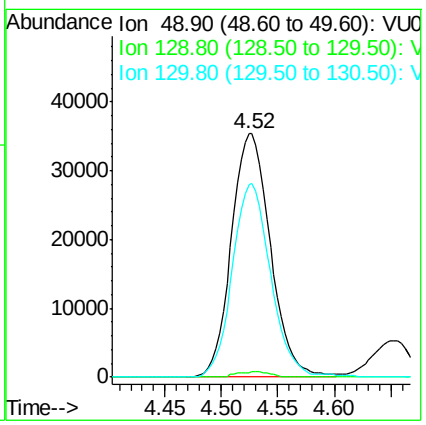
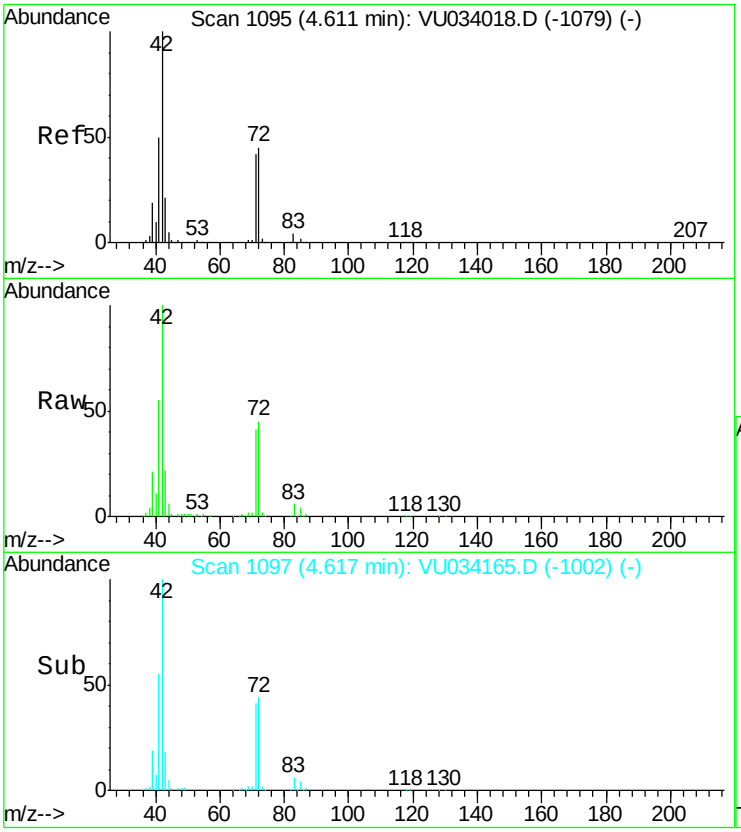


#28
Bromochloromethane
Concen: 21.314 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 49 Resp: 85047

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	78.1	62.8	94.2

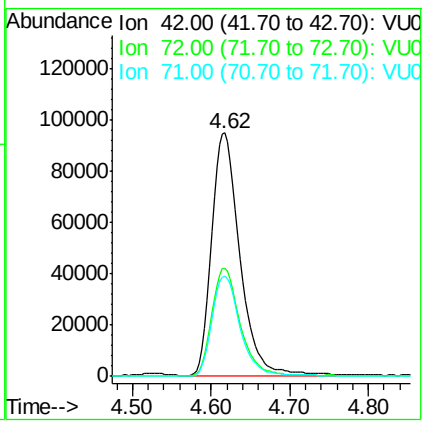




#29
Tetrahydrofuran
Concen: 104.779 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 42 Resp: 233768

Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.8	53.6
71	40.9	34.0	51.0



Instrument :
MSVOA_U
ClientSampleId :
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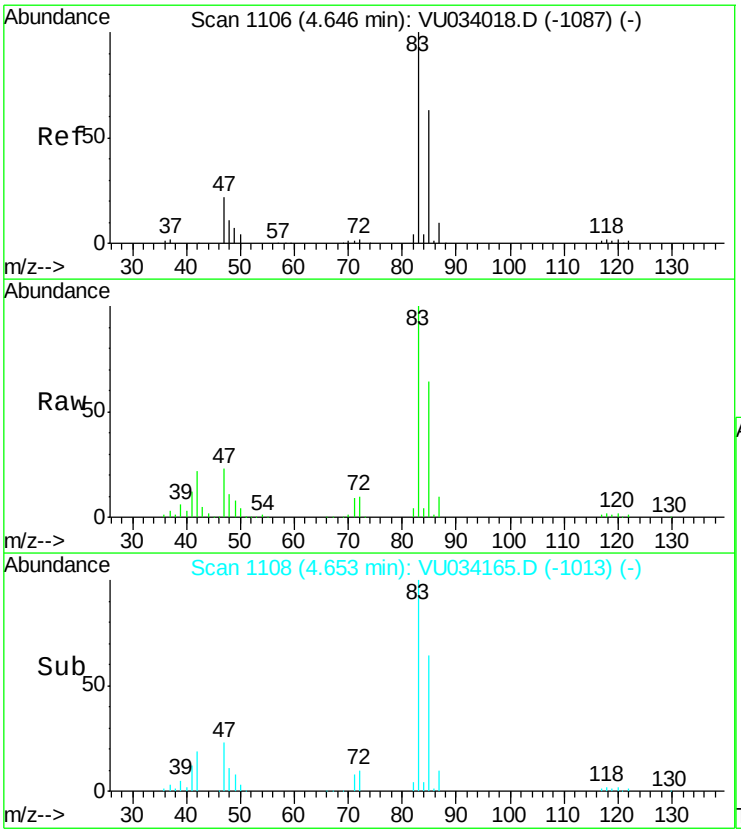
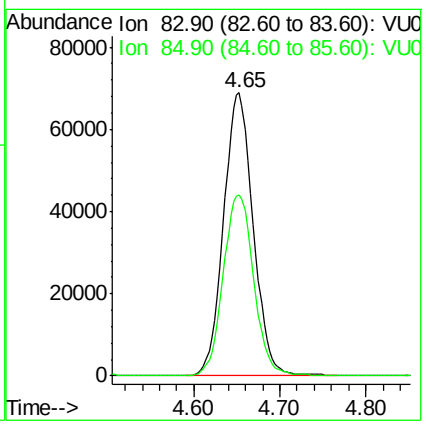
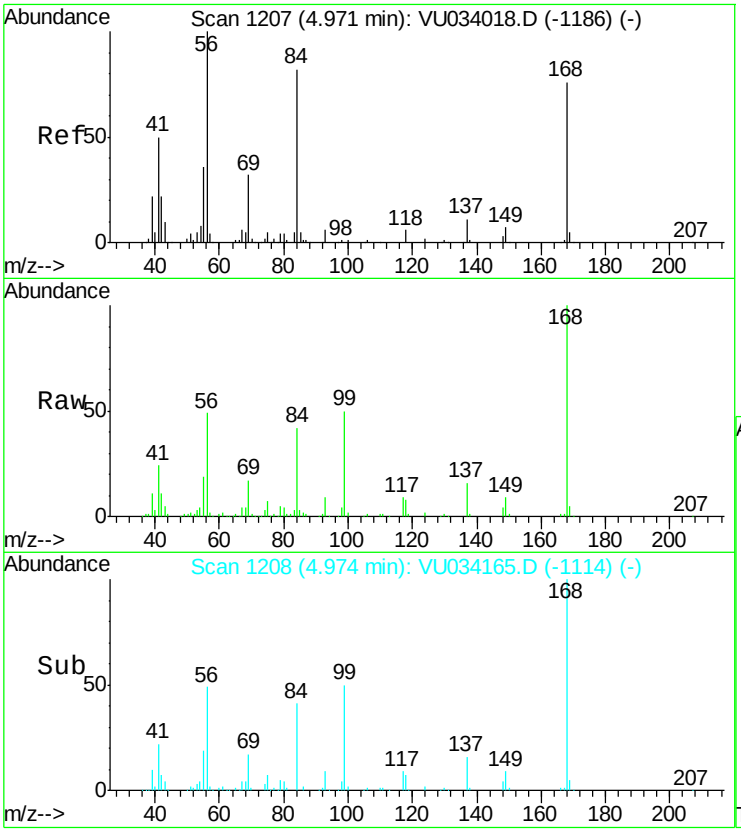


#30
Chloroform
Concen: 20.377 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 83 Resp: 164657

Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1

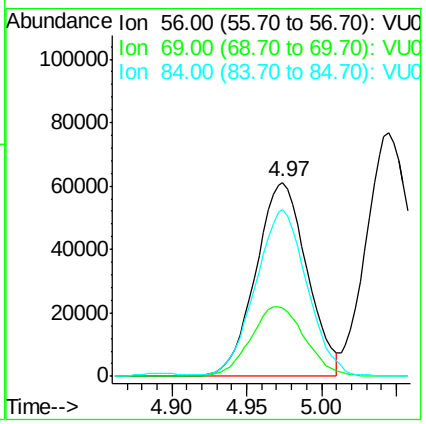




#31
Cyclohexane
Concen: 19.046 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 56 Resp: 144944

Ion	Ratio	Lower	Upper
56	100		
69	35.3	25.4	38.0
84	85.3	65.8	98.8



Instrument :
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ClientSampleId :
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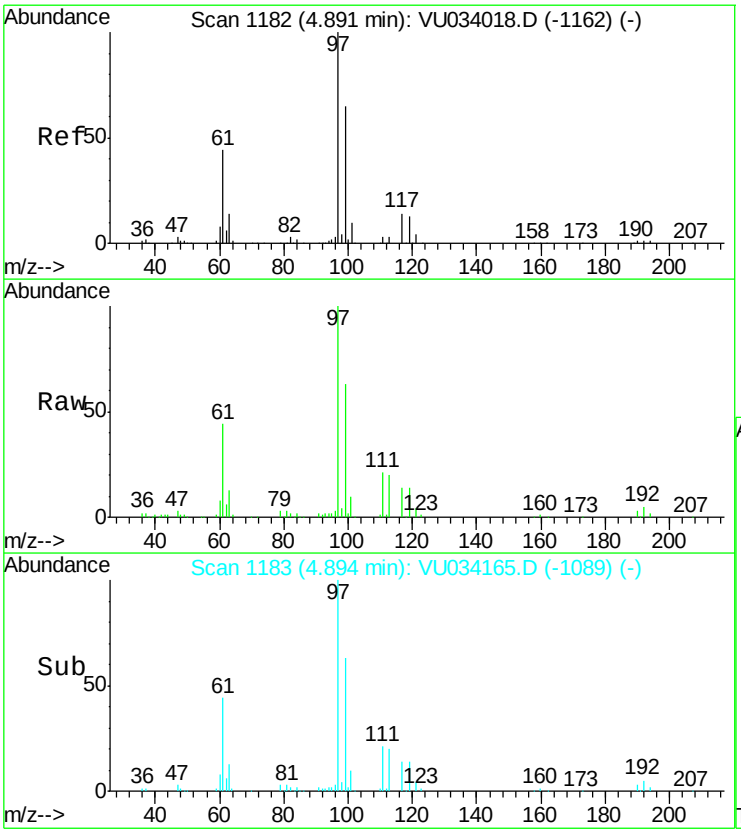
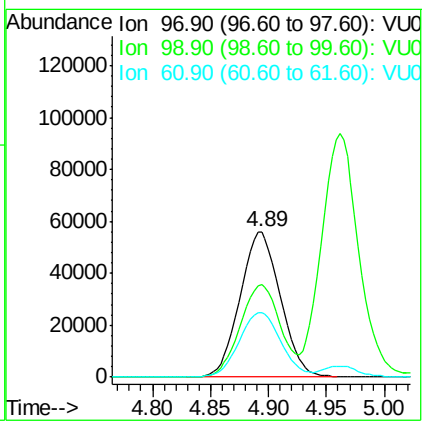
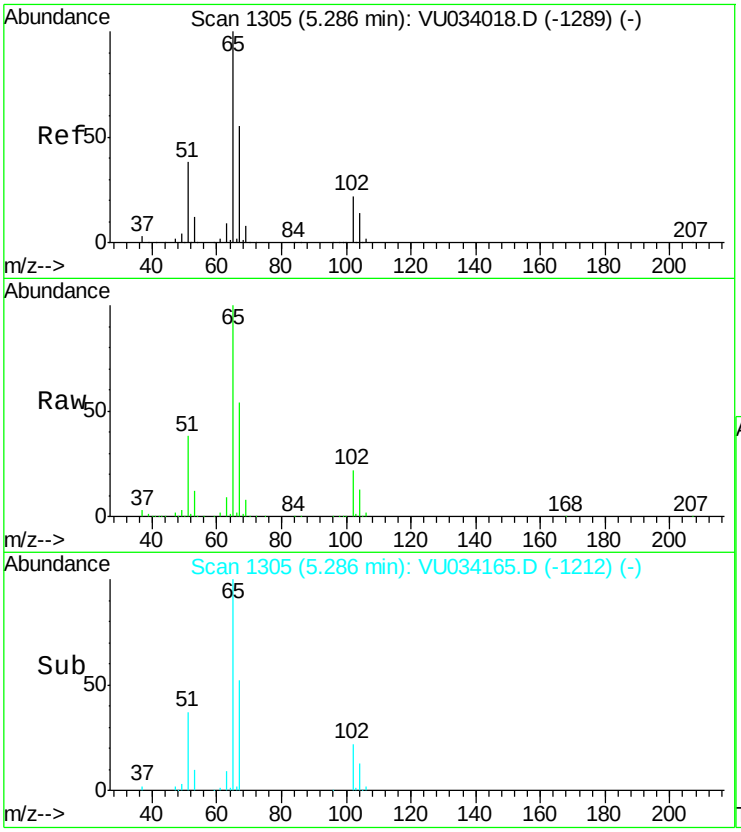


#32
1,1,1-Trichloroethane
Concen: 20.479 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 97 Resp: 135527

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	46.0	35.3	52.9

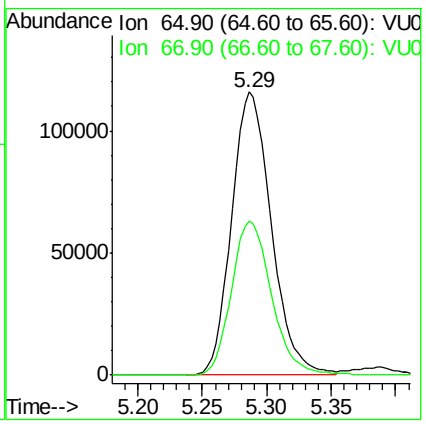




#33
1,2-Dichloroethane-d4
Concen: 48.817 ug/l
RT: 5.29 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 65 Resp: 248786

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	110.6



Instrument :
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ClientSampleId :
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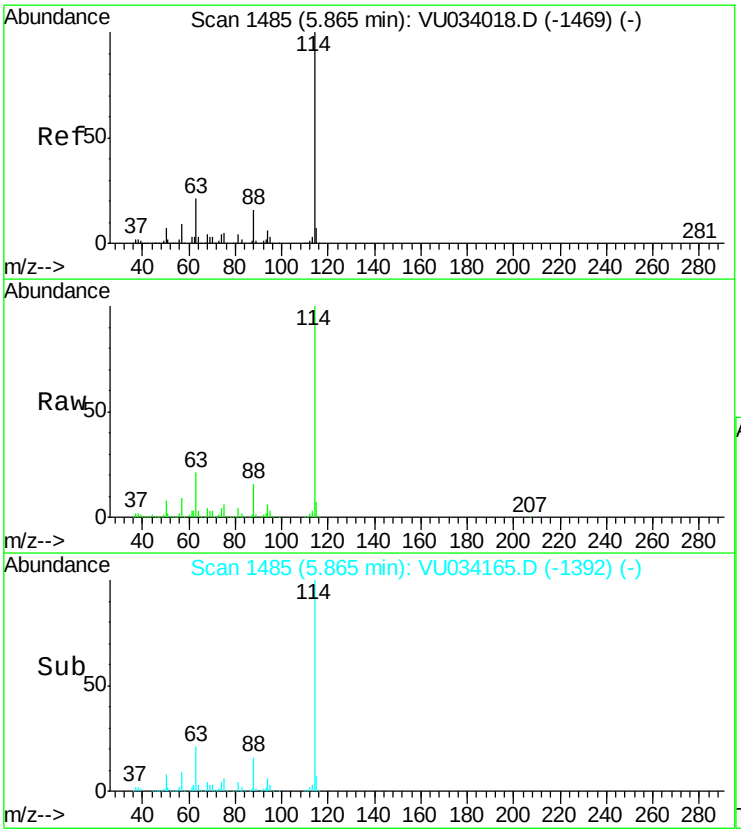
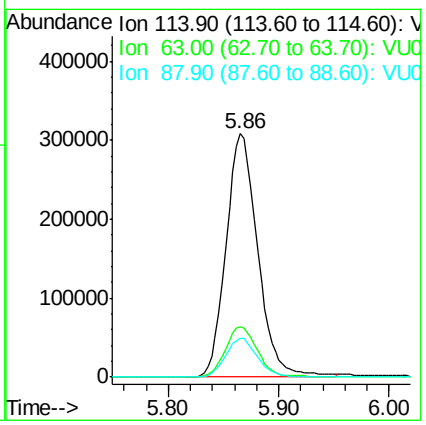
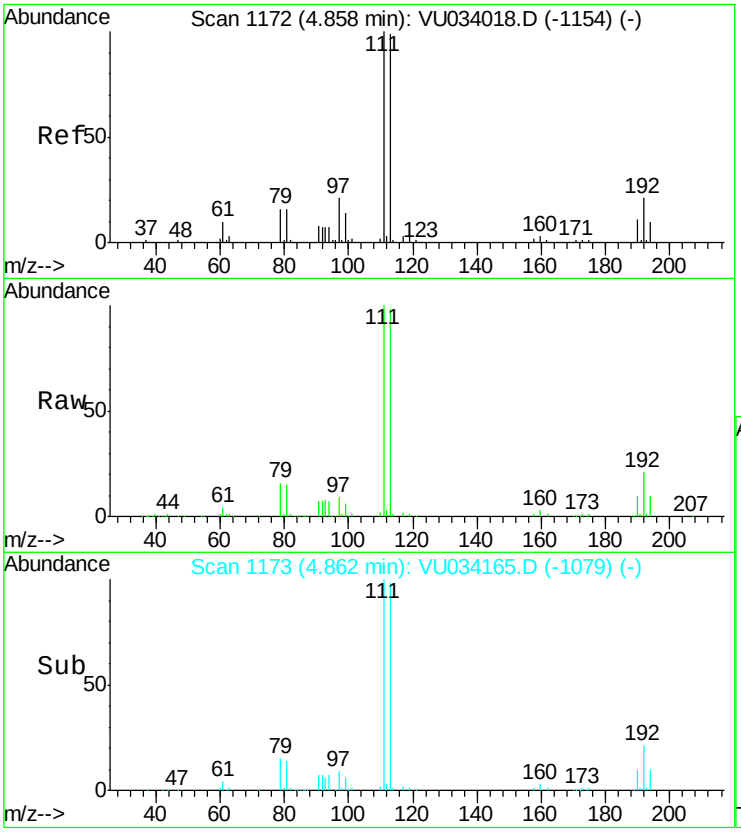


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:114 Resp: 616869

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.0
88	15.9	0.0	32.0

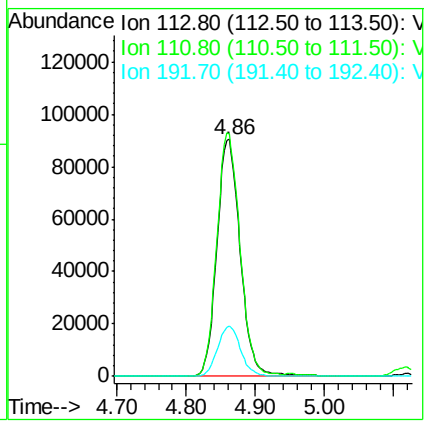




#35
Dibromofluoromethane
Concen: 49.622 ug/l
RT: 4.86 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:113 Resp: 212310

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.7	122.5
192	20.9	17.1	25.7



Instrument :
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ClientSampleId :
VU0902WBS02

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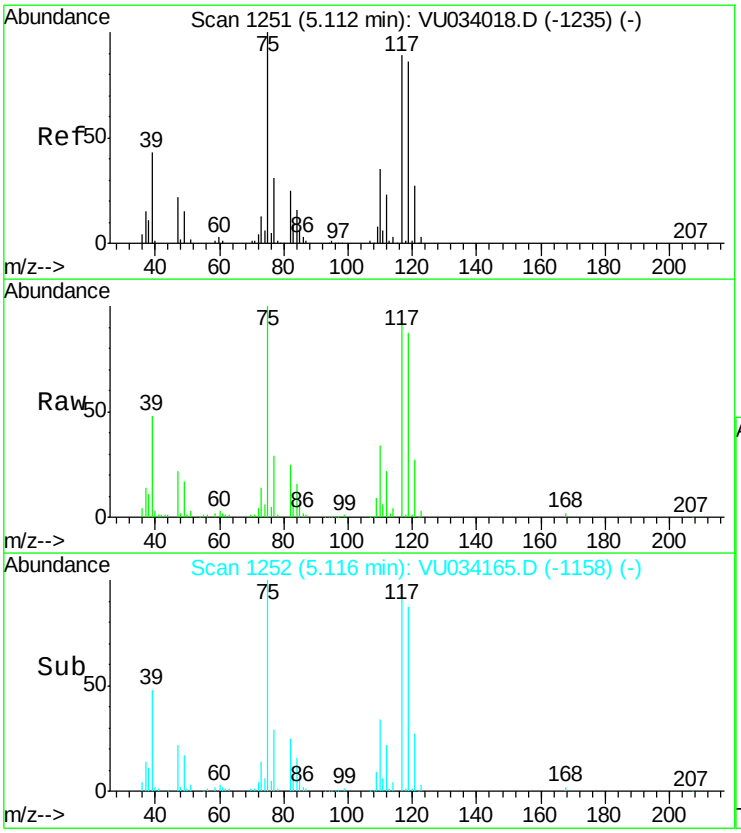
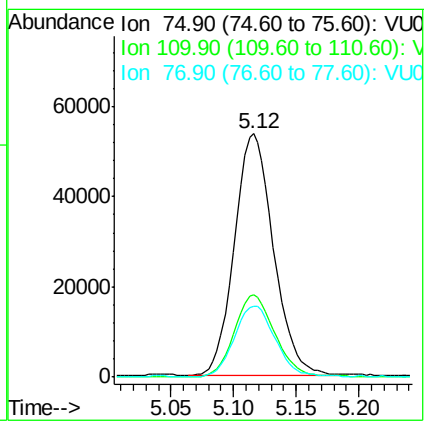
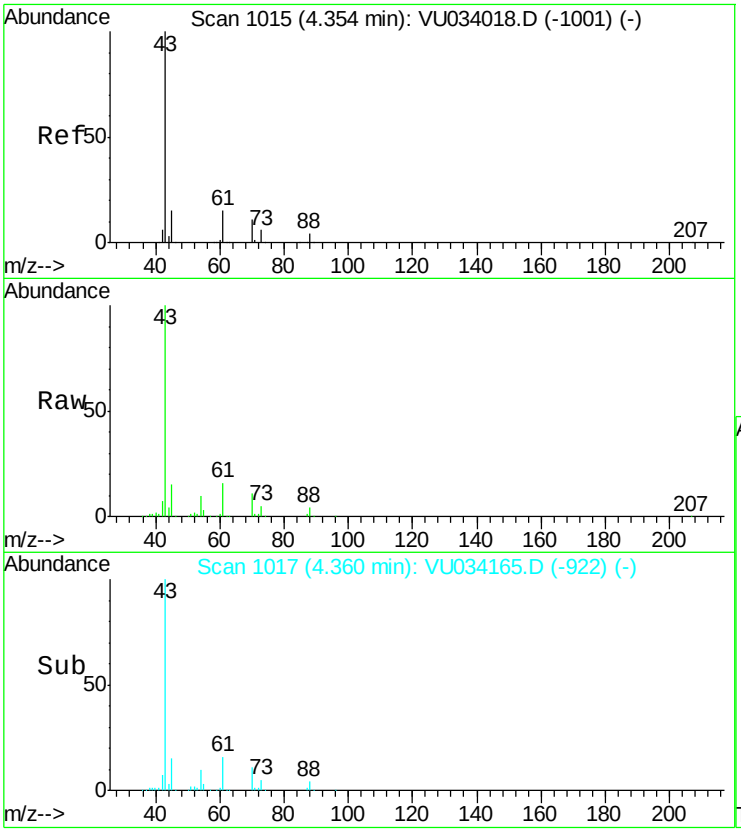


#36
1,1-Dichloropropene
Concen: 19.833 ug/l
RT: 5.12 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 75 Resp: 115721

Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.8	53.5
77	30.2	25.0	37.4

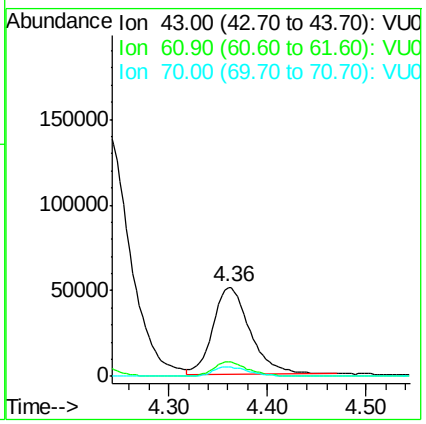




#37
Ethyl Acetate
Concen: 20.398 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 133277

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	10.8	8.6	12.8



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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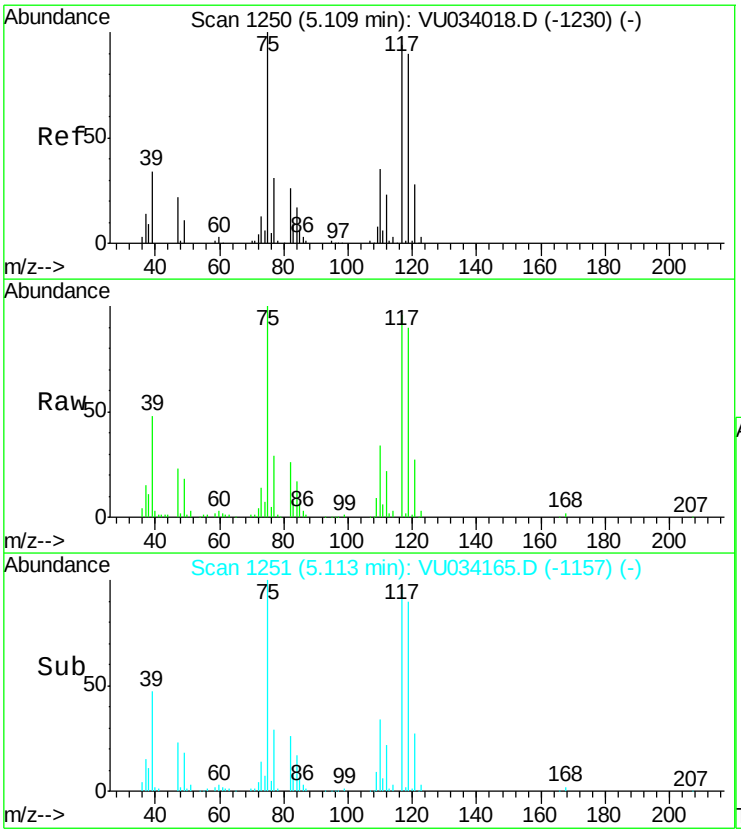
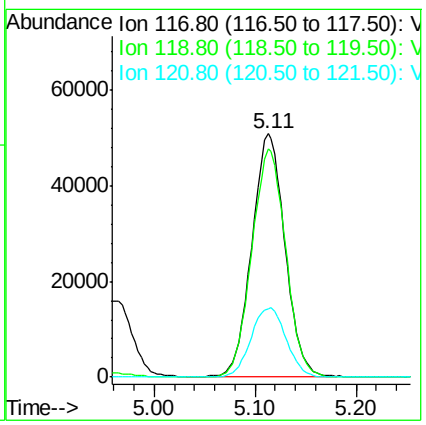
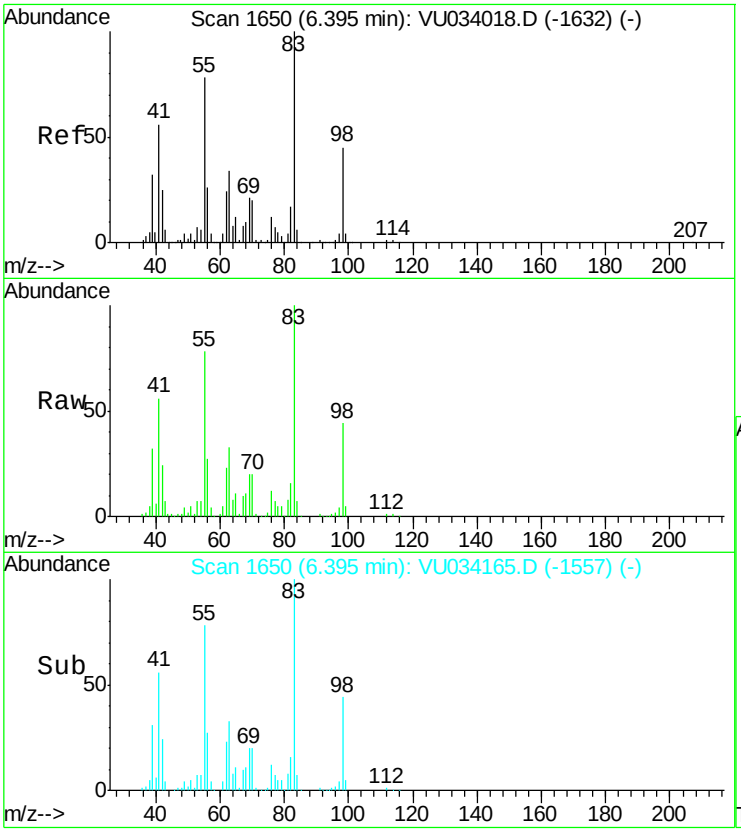


#38
Carbon Tetrachloride
Concen: 20.460 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:117 Resp: 115234

Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.0	115.4
121	28.3	23.9	35.9

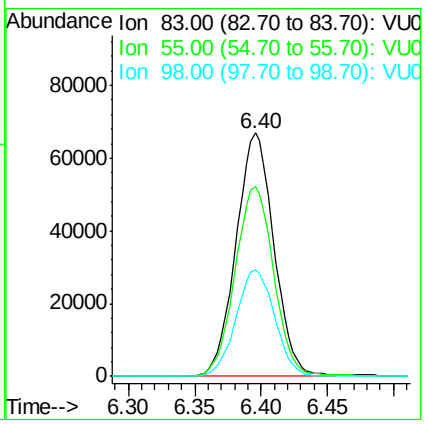




#39
Methylcyclohexane
Concen: 19.319 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 83 Resp: 132860

Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.3	93.5
98	43.8	36.2	54.2



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

Manual Integrations APPROVED
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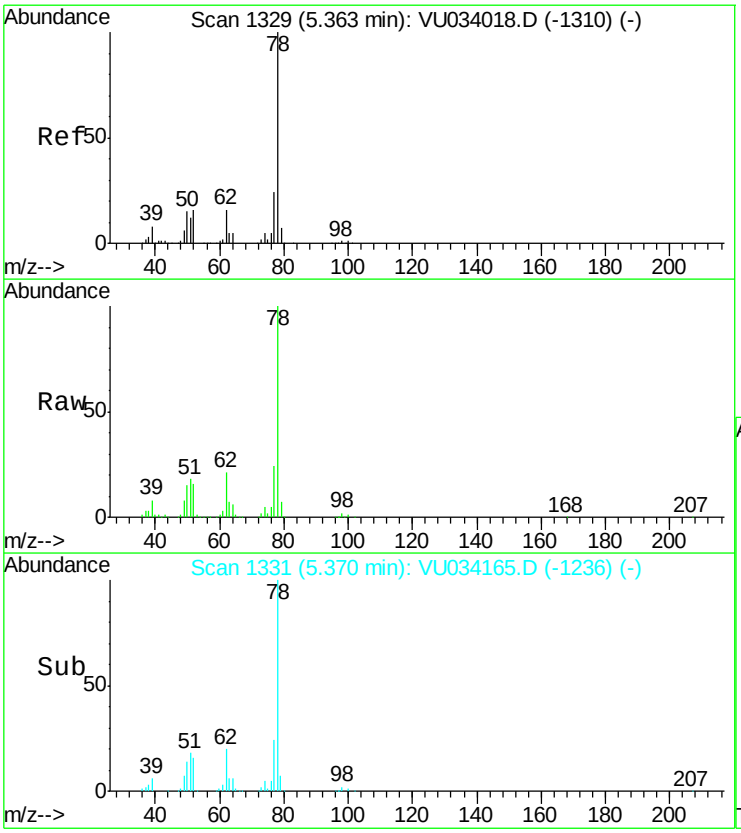
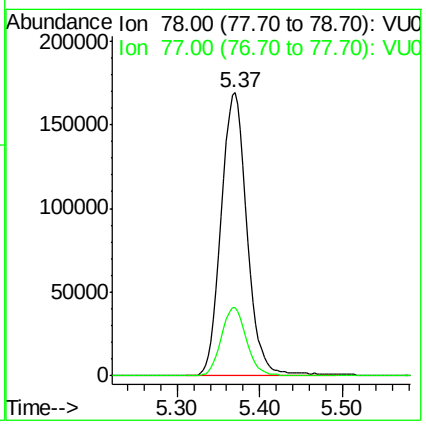
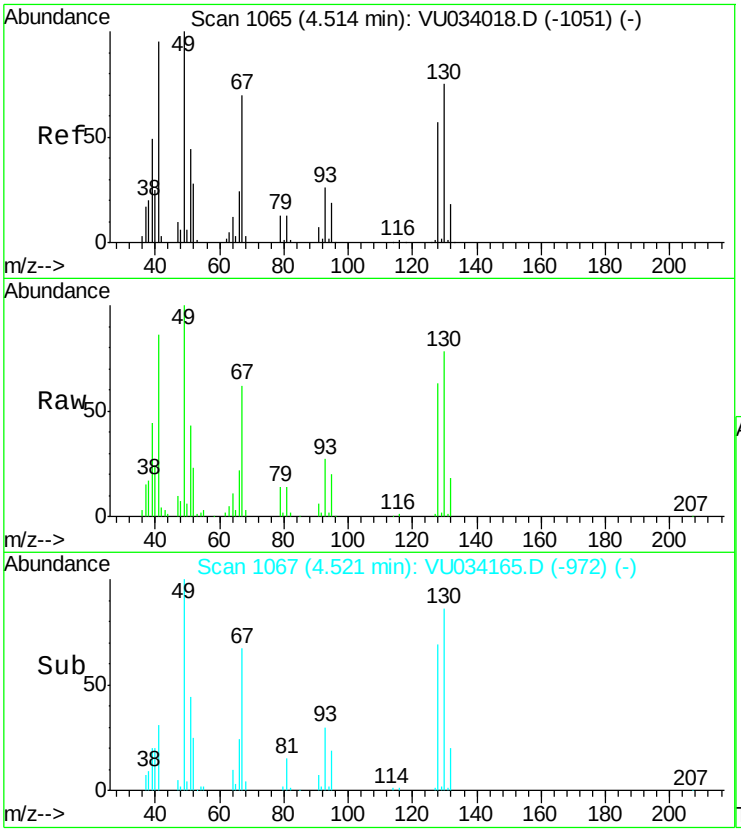


#40
Benzene
Concen: 20.849 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 78 Resp: 368056

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6

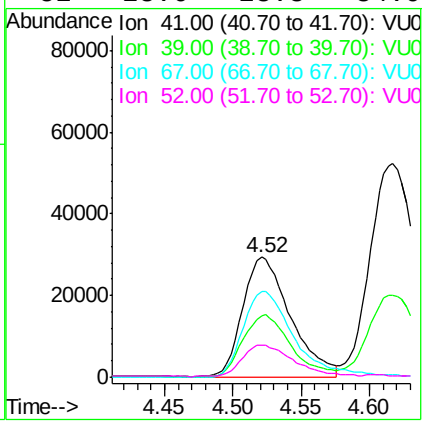




#41
Methacrylonitrile
Concen: 21.138 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 41 Resp: 70832

Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.1	63.1
67	77.9	61.0	91.4
52	28.6	23.3	34.9



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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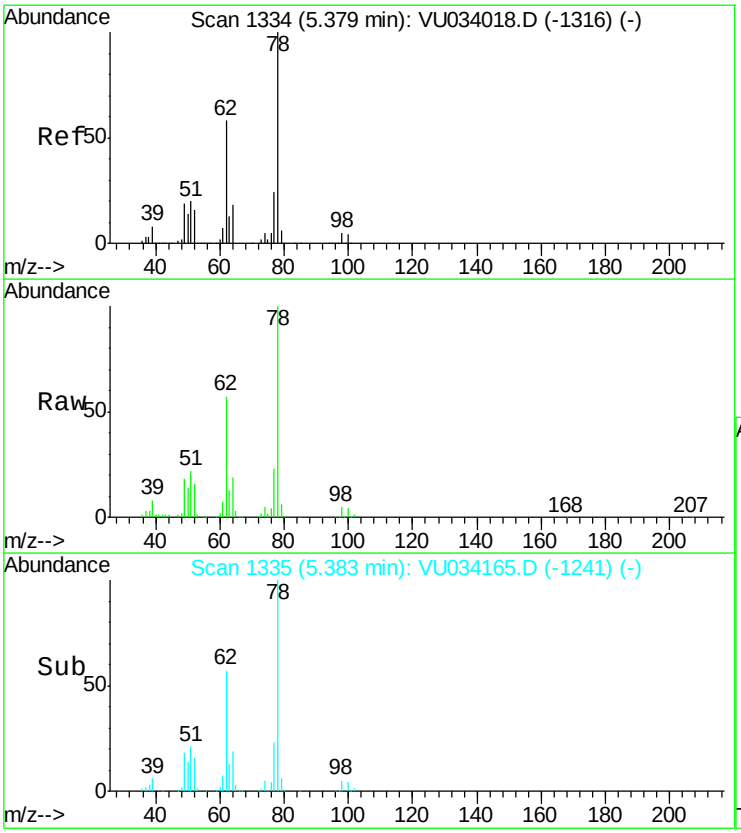
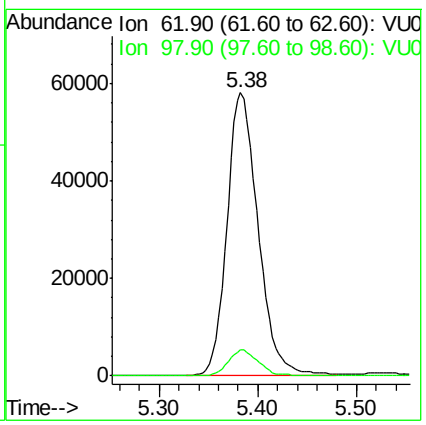
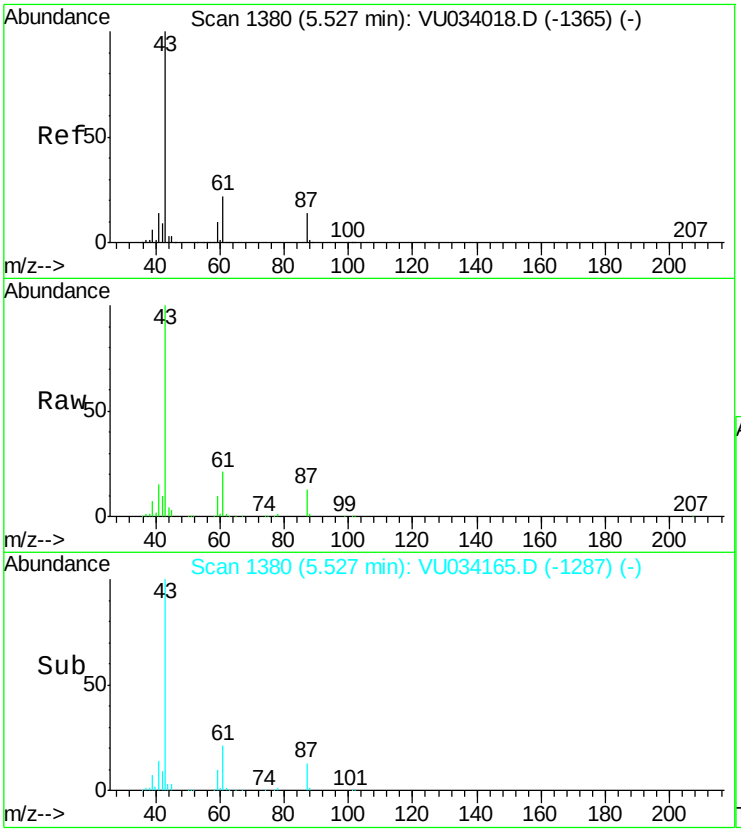


#42
1,2-Dichloroethane
Concen: 21.049 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 62 Resp: 128313

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

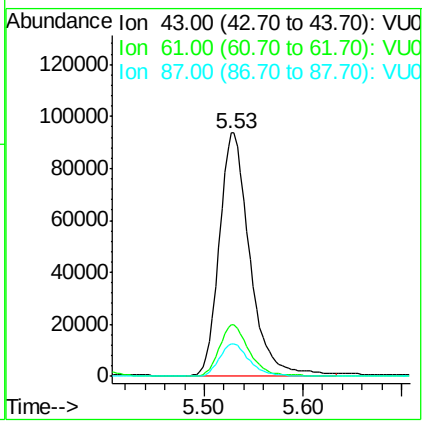




#43
Isopropyl Acetate
Concen: 20.262 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 201412

Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.2	25.8
87	13.3	10.8	16.2



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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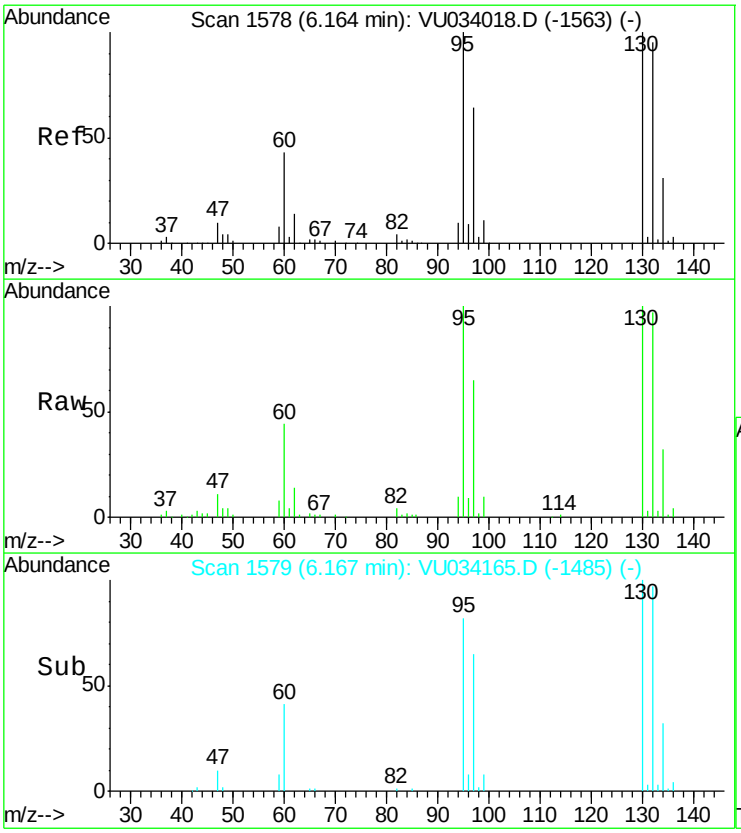
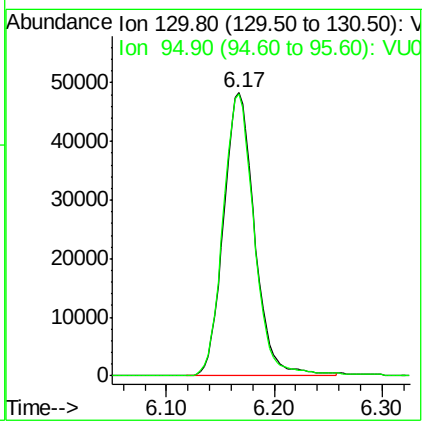
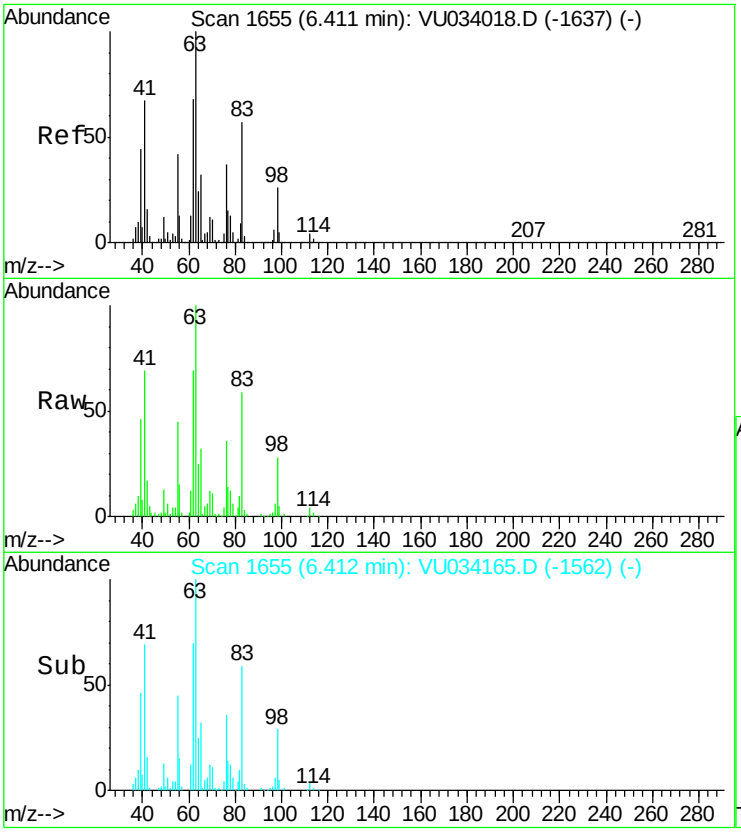


#44
Trichloroethene
Concen: 20.910 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:130 Resp: 96935

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	199.6

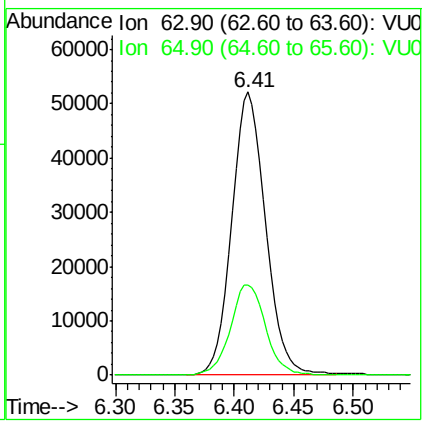




#45
1,2-Dichloropropane
Concen: 21.178 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 63 Resp: 102913

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2



Instrument :
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ClientSampleId :
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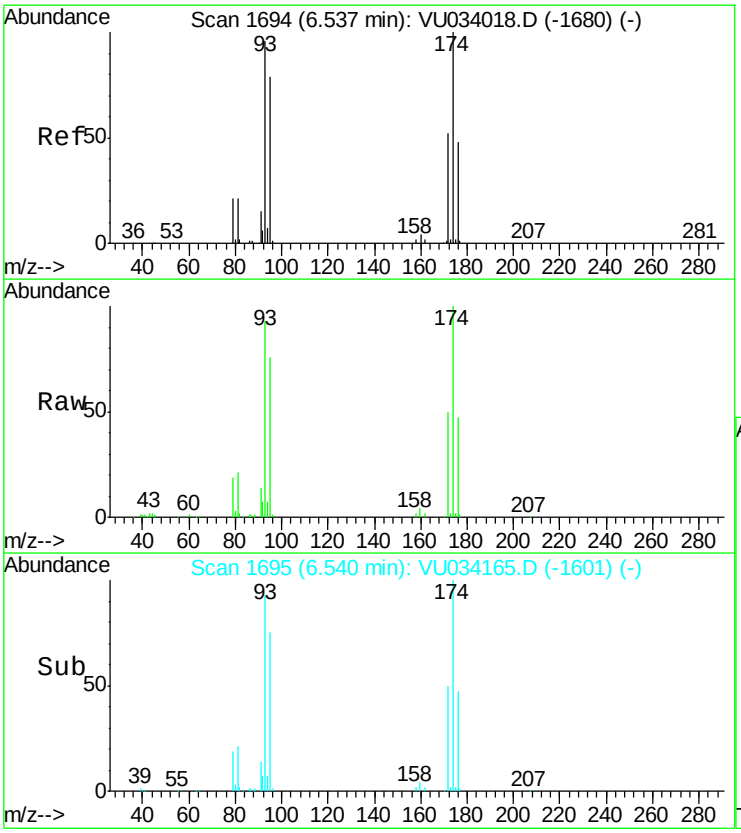
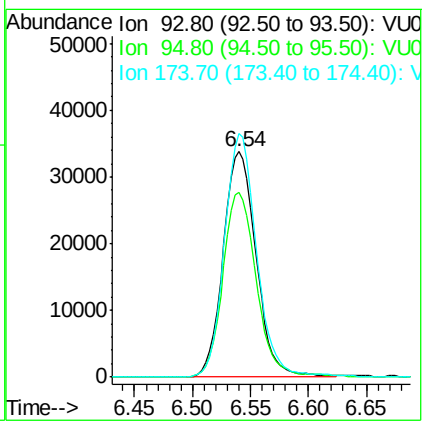
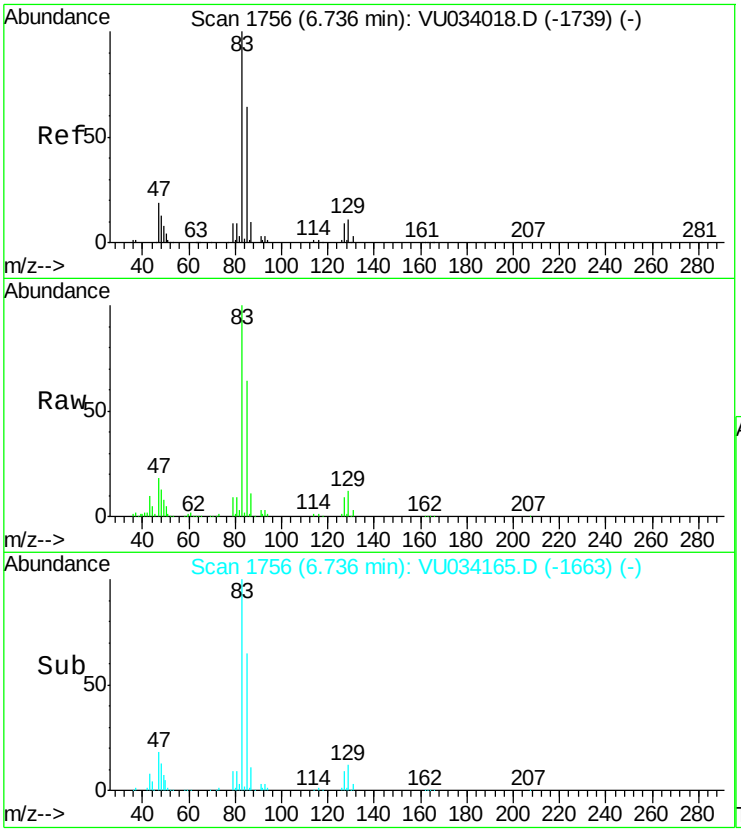


#46
Dibromomethane
Concen: 21.310 ug/l
RT: 6.54 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 93 Resp: 66718

Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.7	100.1
174	105.7	84.9	127.3

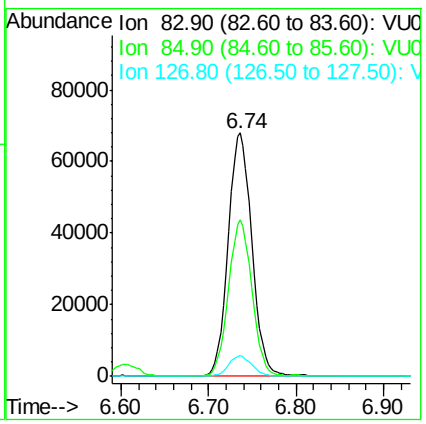




#47
Bromodichloromethane
Concen: 20.924 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 83 Resp: 128168

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.2	76.8
127	8.6	7.0	10.6



Instrument :
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ClientSampleId :
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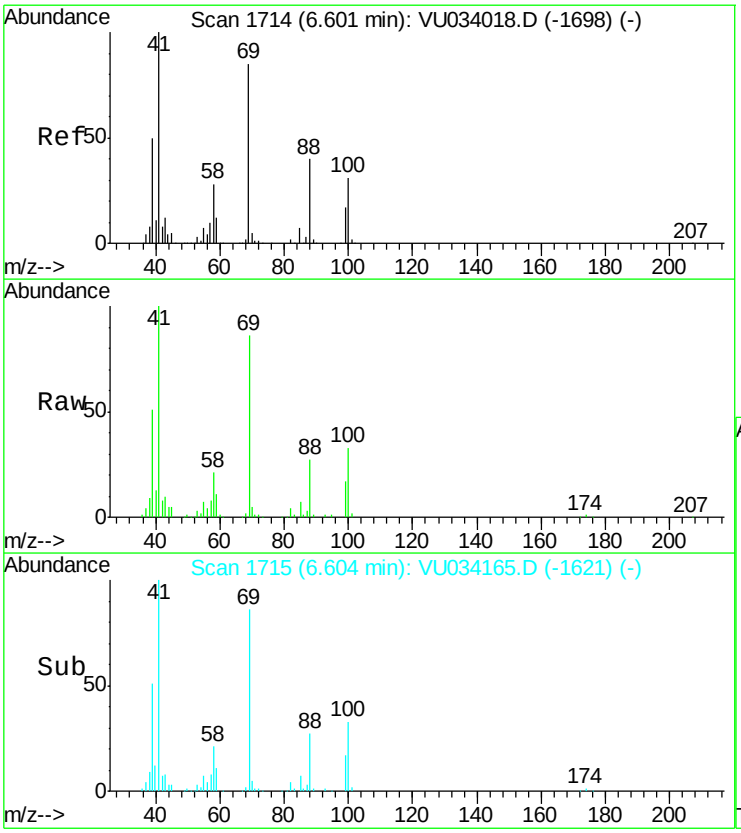
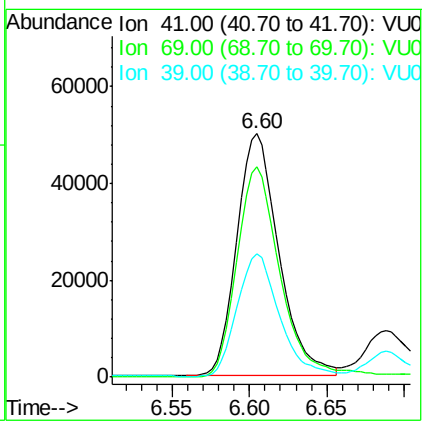
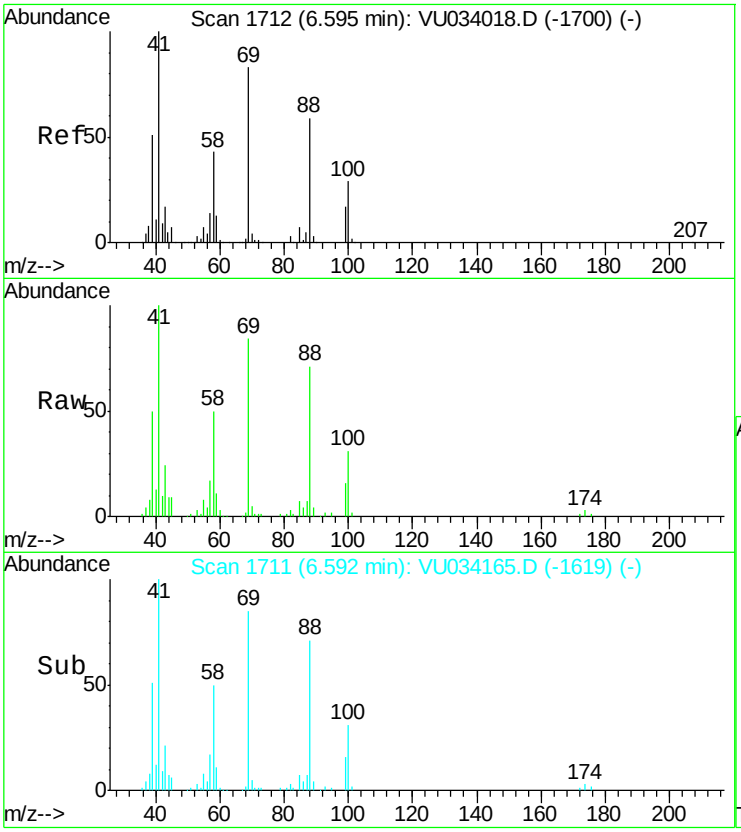


#48
Methyl methacrylate
Concen: 19.711 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 41 Resp: 94547

Ion	Ratio	Lower	Upper
41	100		
69	90.7	69.5	104.3
39	51.1	40.3	60.5

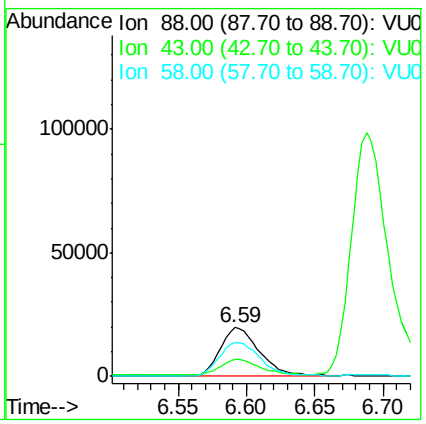




#49
1,4-Dioxane
Concen: 335.082 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 88 Resp: 40272

Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.8	37.2
58	73.0	59.3	88.9



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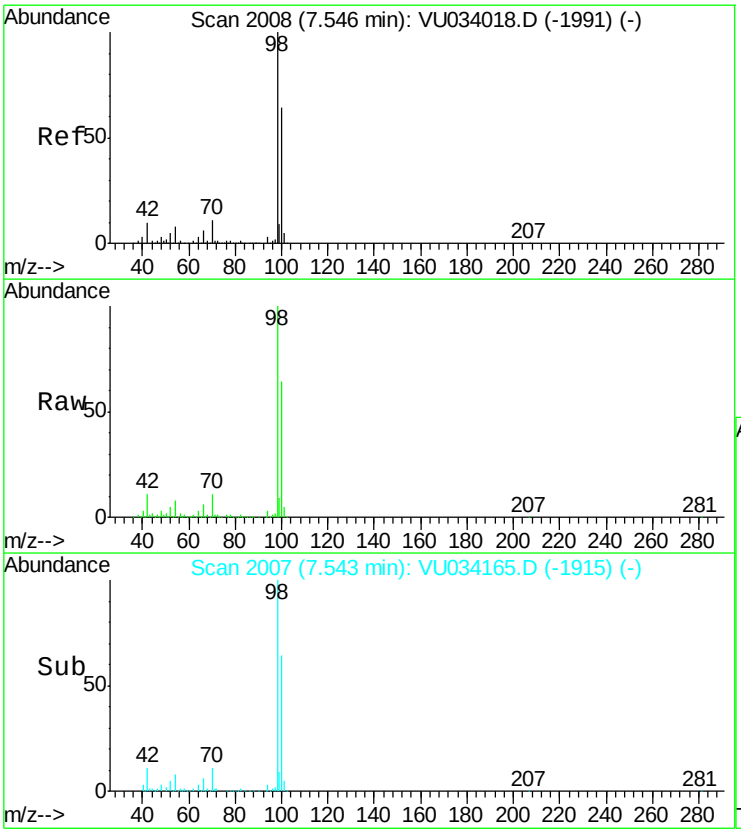
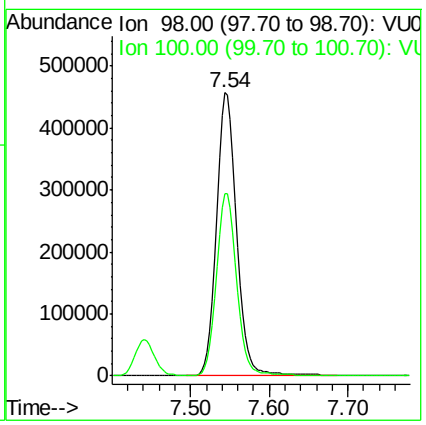
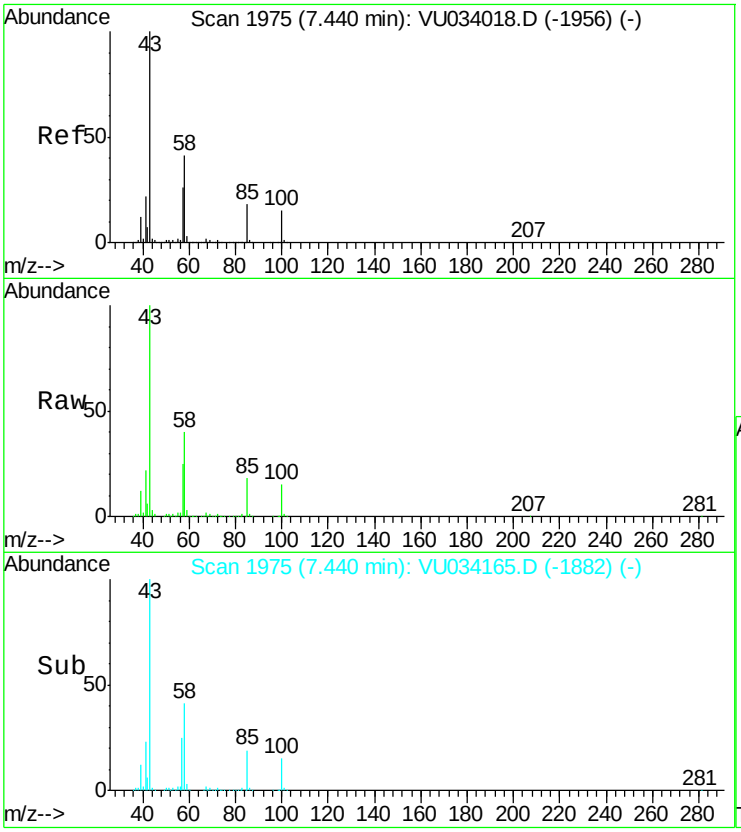


#50
Toluene-d8
Concen: 50.354 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 98 Resp: 806689

Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.3	75.5

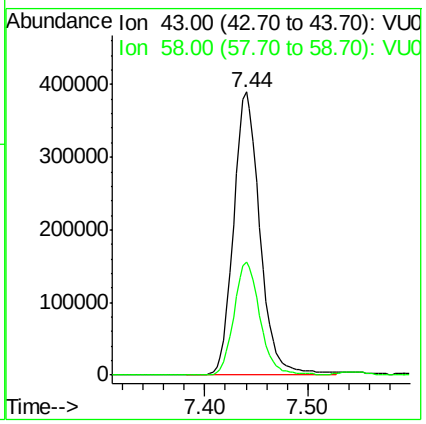




#51
4-Methyl-2-Pentanone
Concen: 100.650 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 690953

Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.2	48.4



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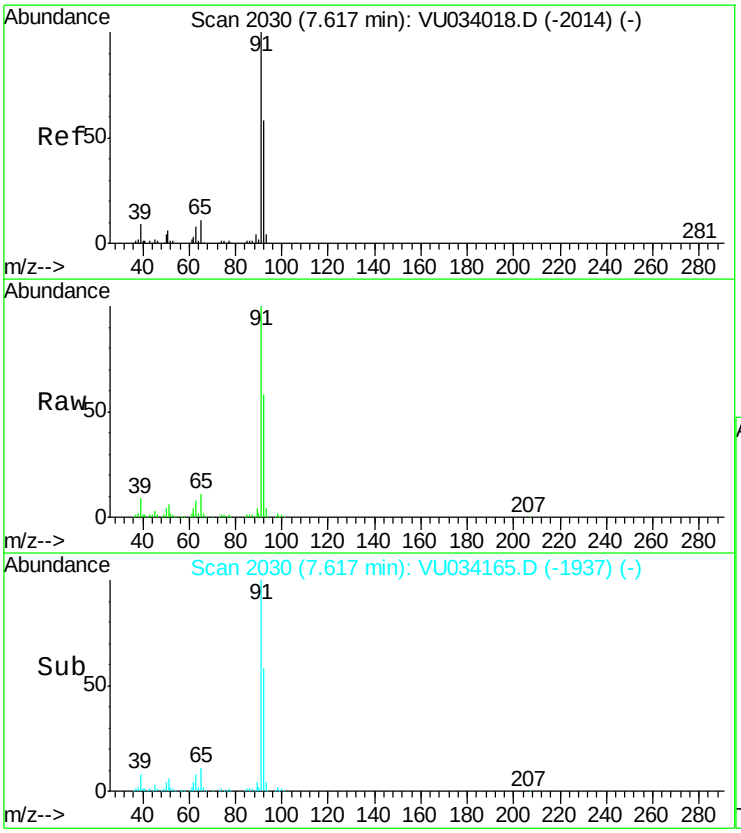
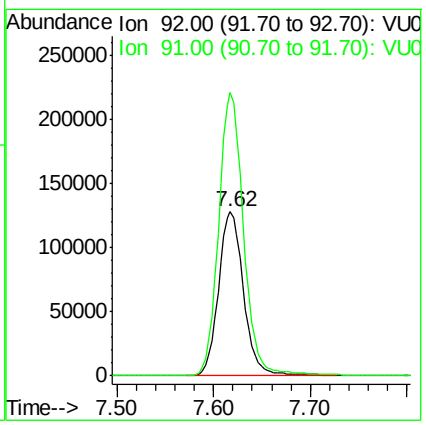
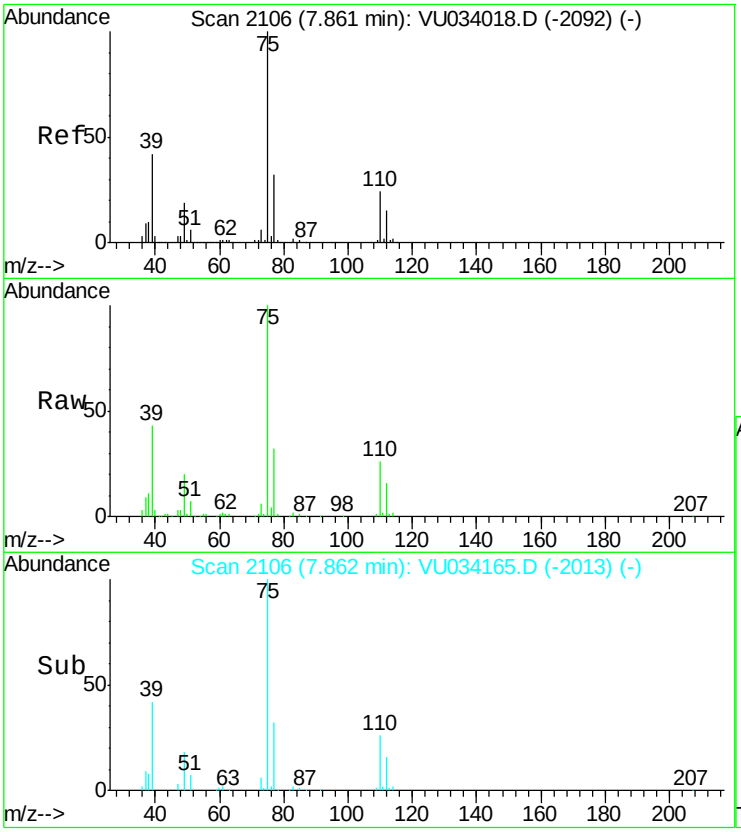


#52
Toluene
Concen: 21.282 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 92 Resp: 231437

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.3	207.5





#53
t-1,3-Dichloropropene
Concen: 19.835 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 75 Resp: 134810

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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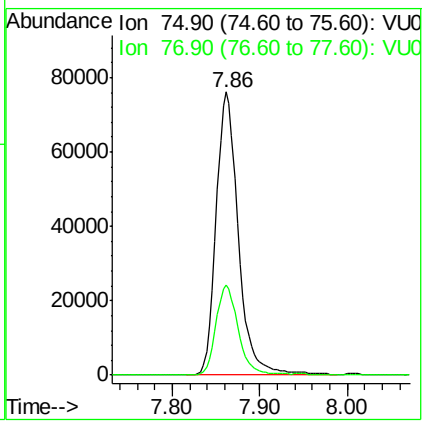
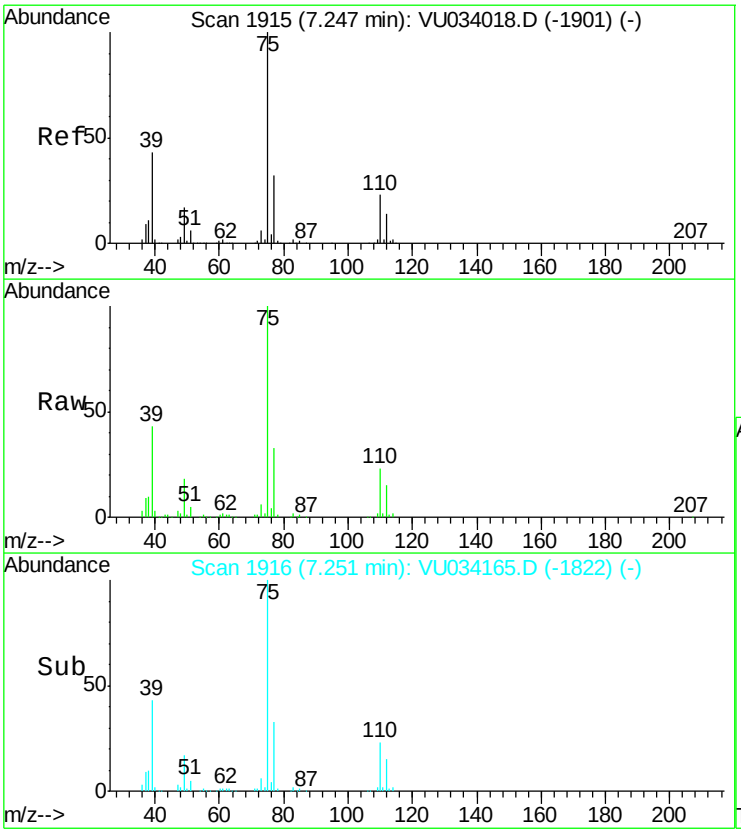
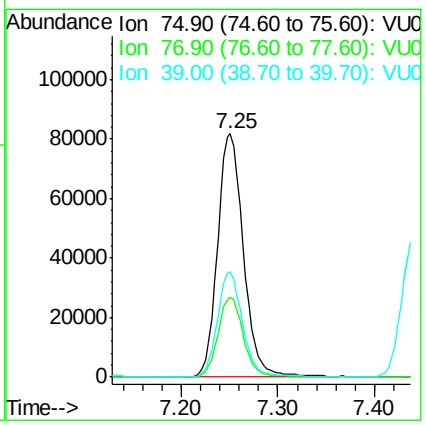


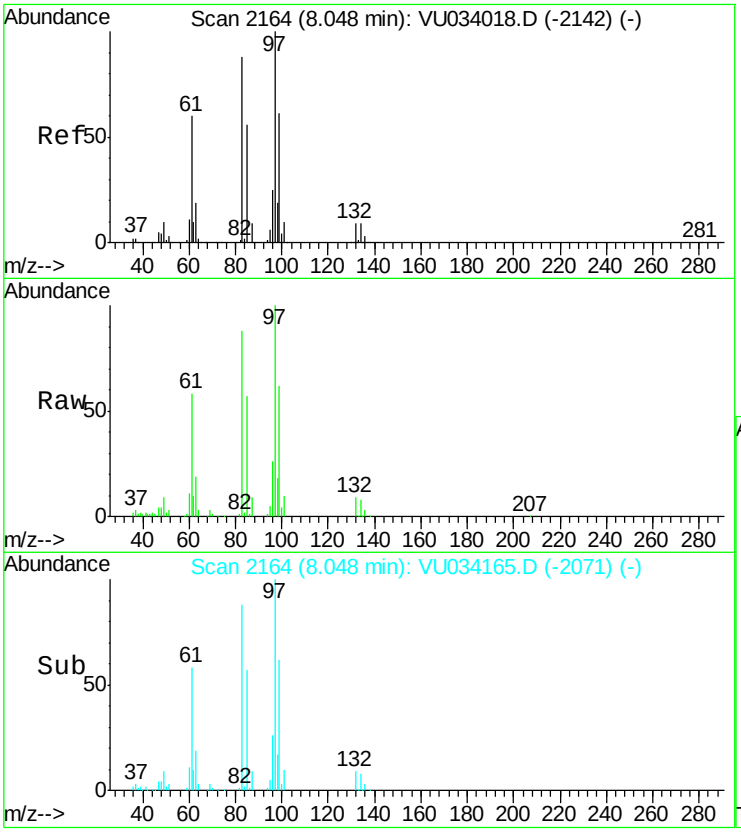


#54
cis-1,3-Dichloropropene
Concen: 20.473 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 75 Resp: 152023

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.2	37.8
39	42.9	34.6	51.8

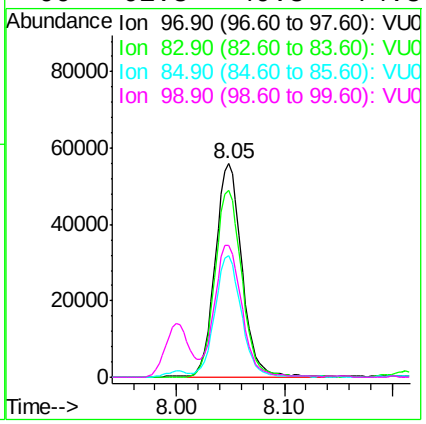




#55
1,1,2-Trichloroethane
Concen: 20.618 ug/l
RT: 8.05 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 97 Resp: 94840

Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	56.8	45.0	67.4
99	61.3	49.8	74.8



Instrument :
MSVOA_U
ClientSampleId :
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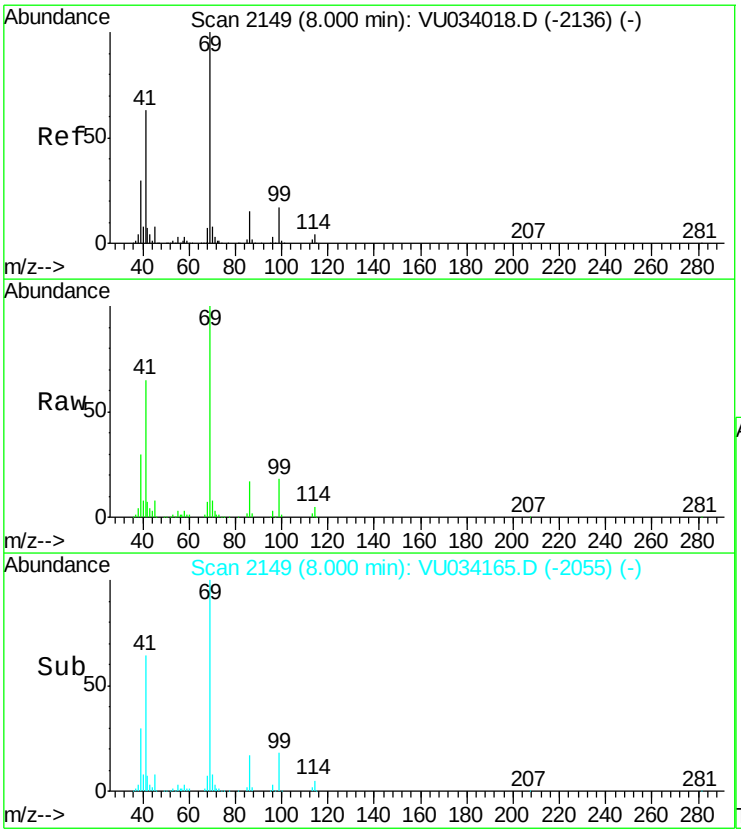
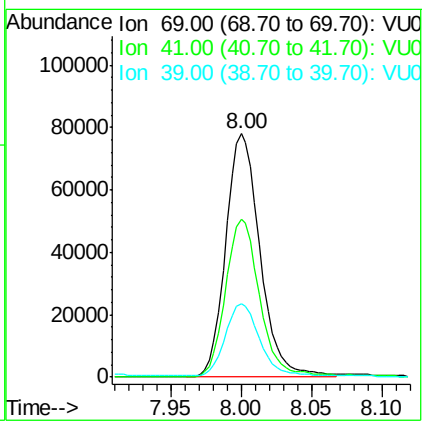
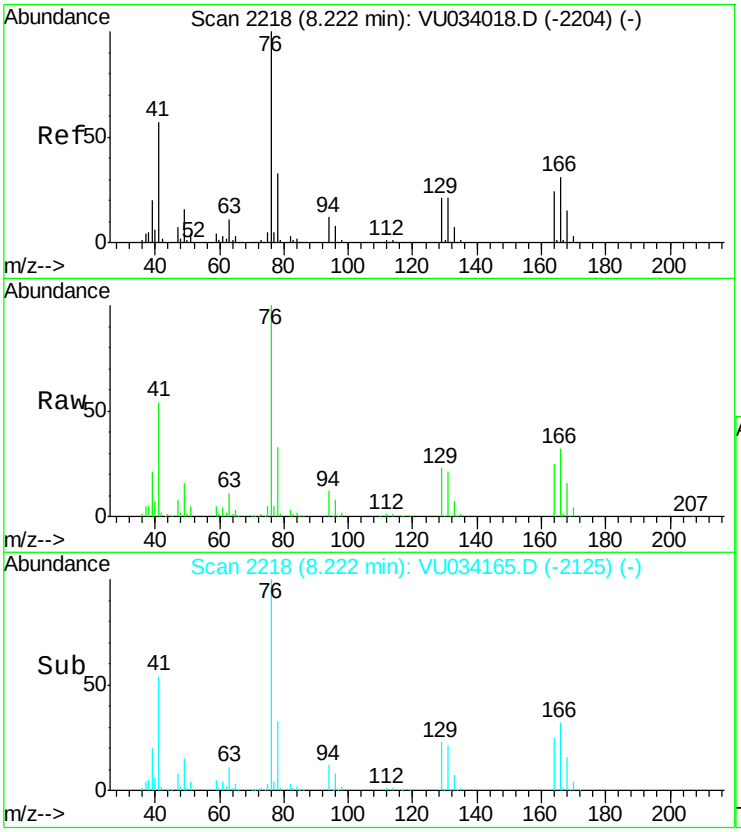


#56
Ethyl methacrylate
Concen: 18.086 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 69 Resp: 133171

Ion	Ratio	Lower	Upper
69	100		
41	64.2	50.7	76.1
39	29.6	24.2	36.2

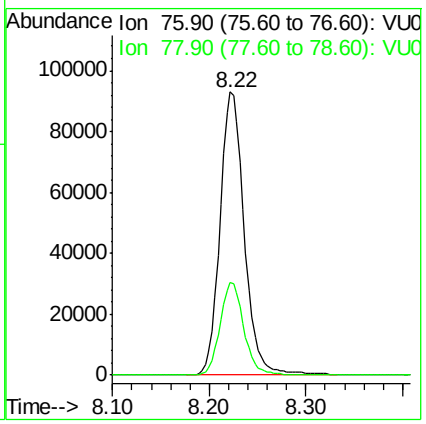




#57
1,3-Dichloropropane
Concen: 20.738 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 76 Resp: 161971

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.4



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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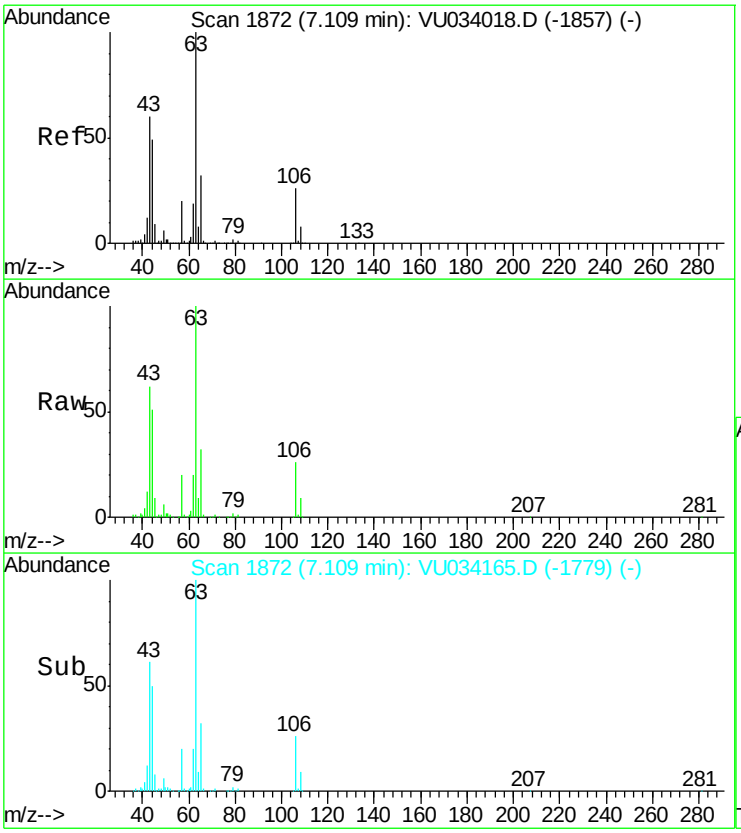
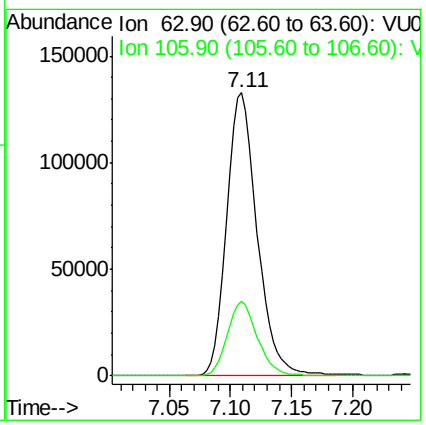
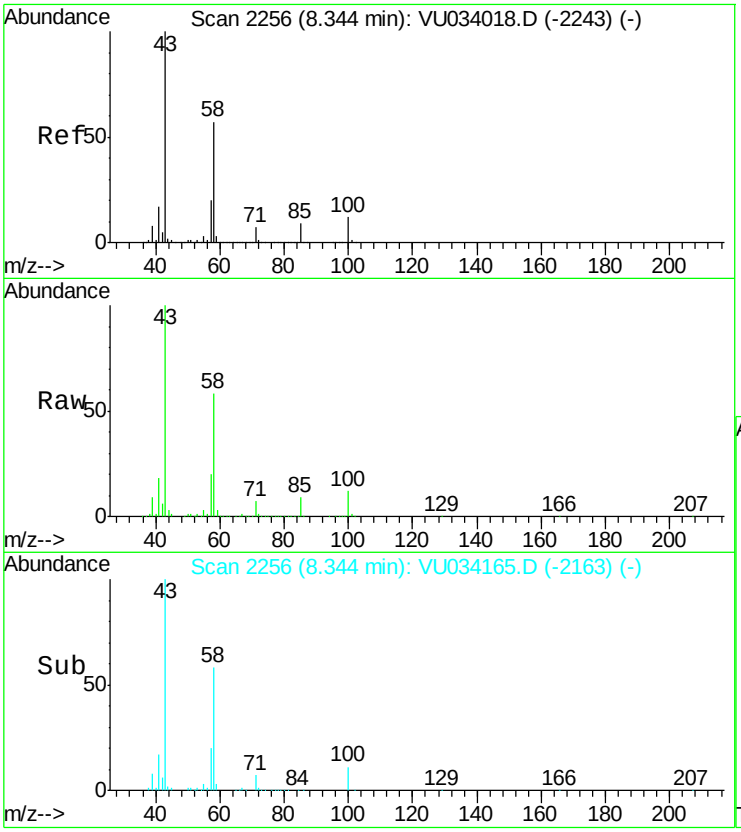


#58
2-Chloroethyl Vinyl ether
Concen: 91.327 ug/l
RT: 7.11 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 63 Resp: 232412

Ion	Ratio	Lower	Upper
63	100		
106	26.0	20.7	31.1

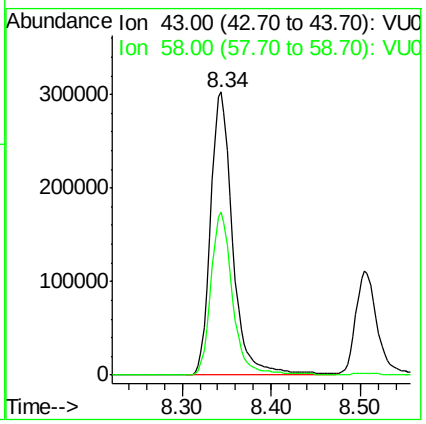




#59
2-Hexanone
Concen: 99.740 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 516889

Ion	Ratio	Lower	Upper
43	100		
58	56.8	28.4	85.3



Instrument :
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ClientSampleId :
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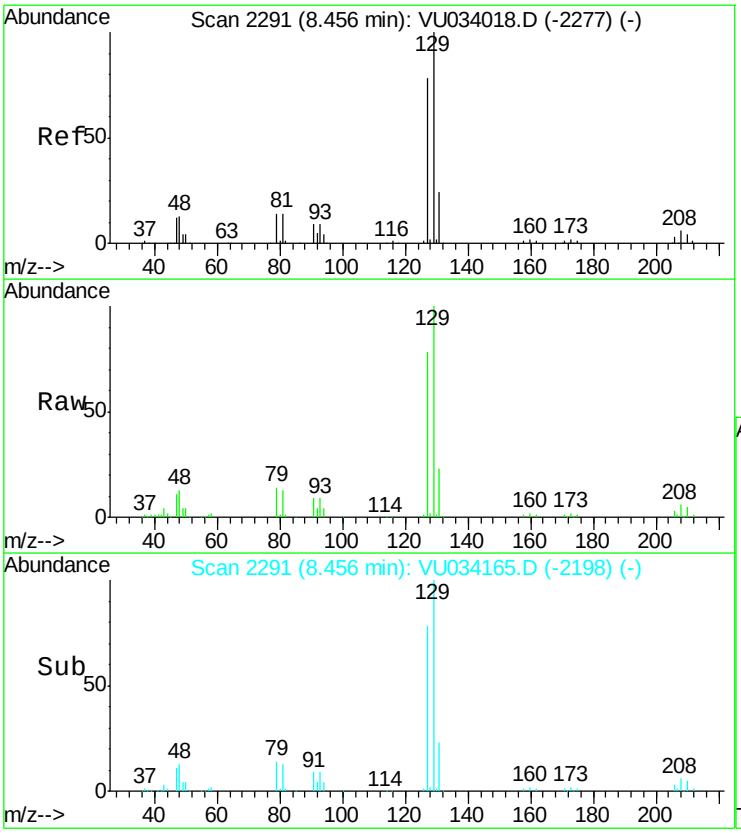
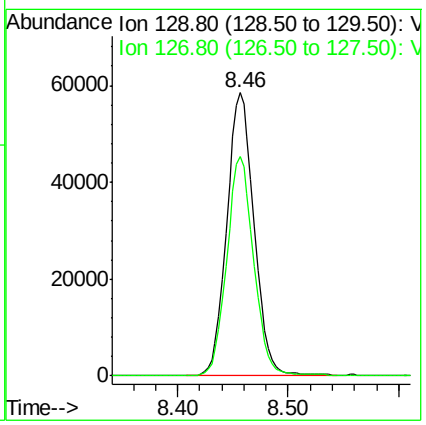
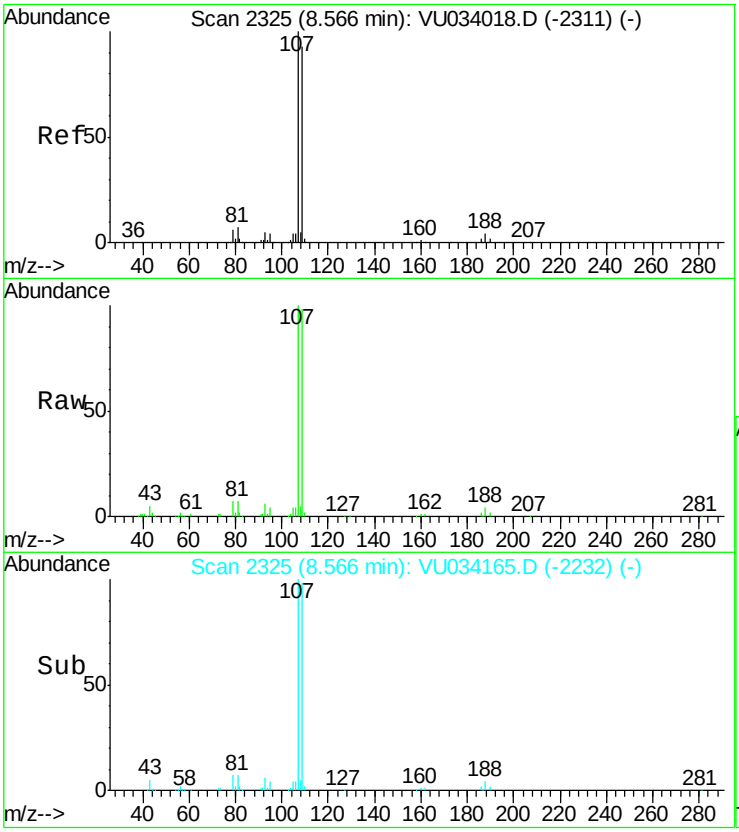


#60
Dibromochloromethane
Concen: 20.352 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:129 Resp: 100491

Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.0	116.9

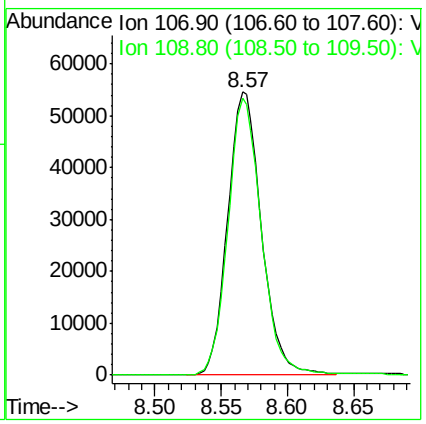




#61
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:107 Resp: 96595

Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.2	112.8



Instrument :
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ClientSampleId :
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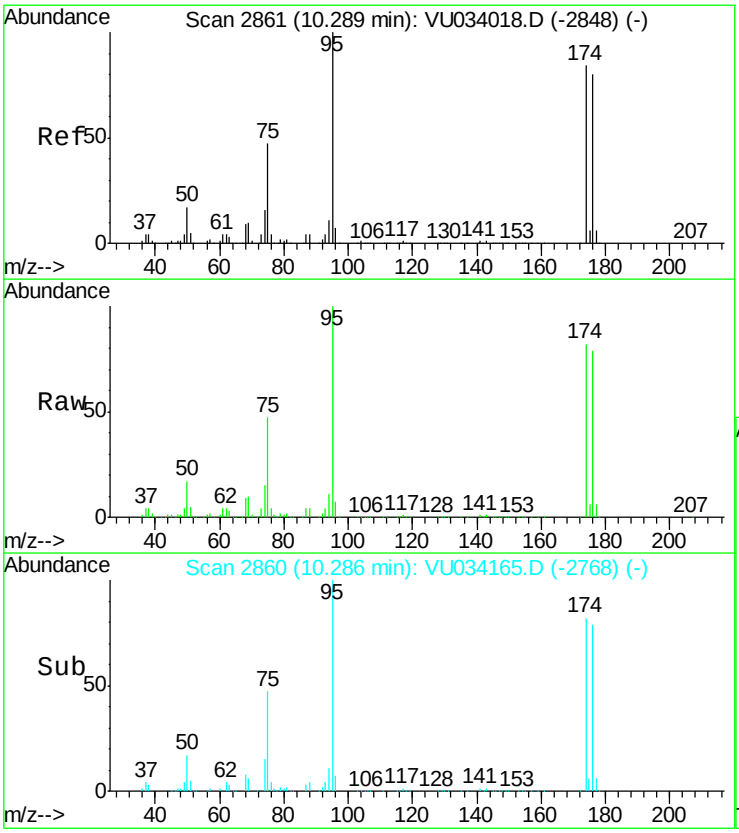
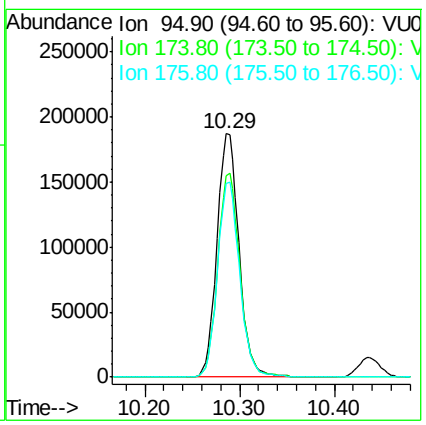
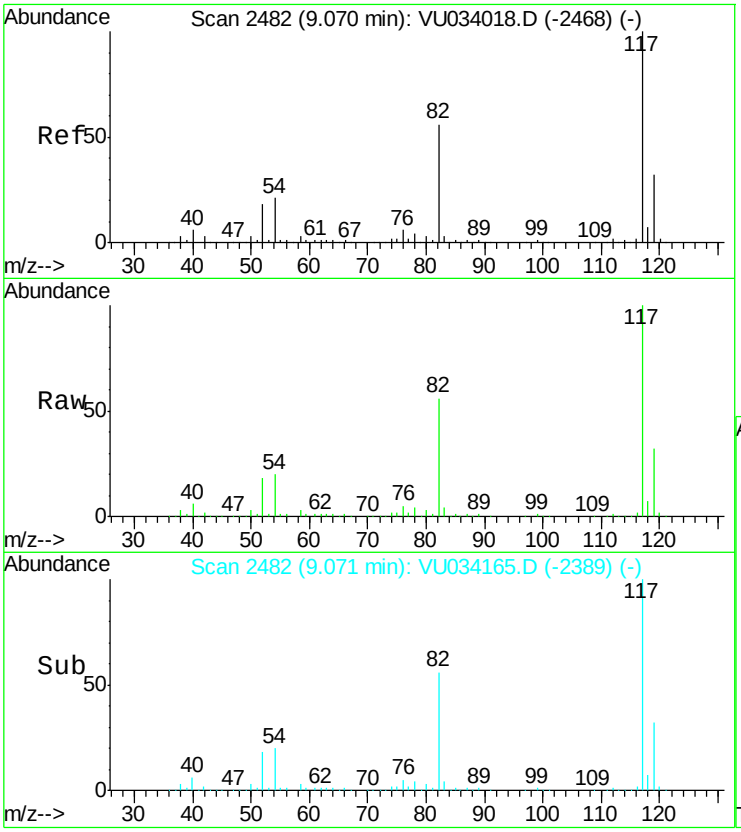


#62
4-Bromofluorobenzene
Concen: 48.571 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 95 Resp: 302687

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	168.8
176	80.1	0.0	161.8

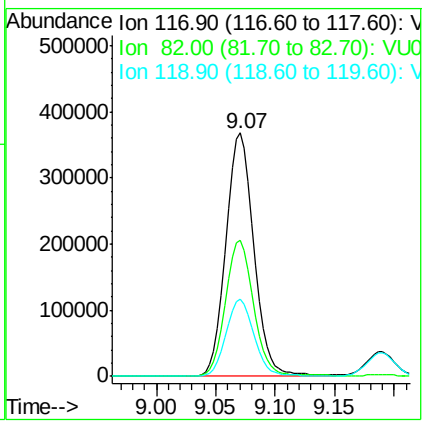




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:117 Resp: 603196

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.1	67.7
119	31.7	25.4	38.0



Instrument :
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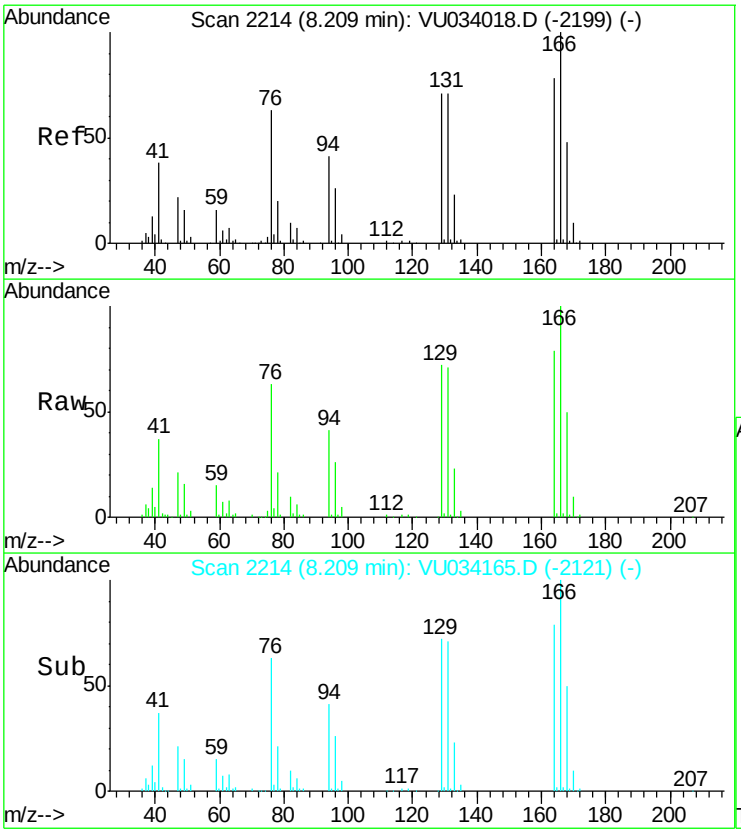
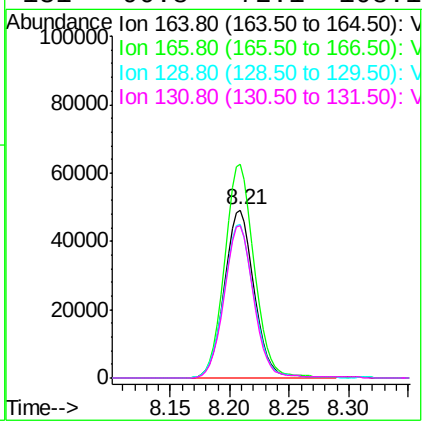
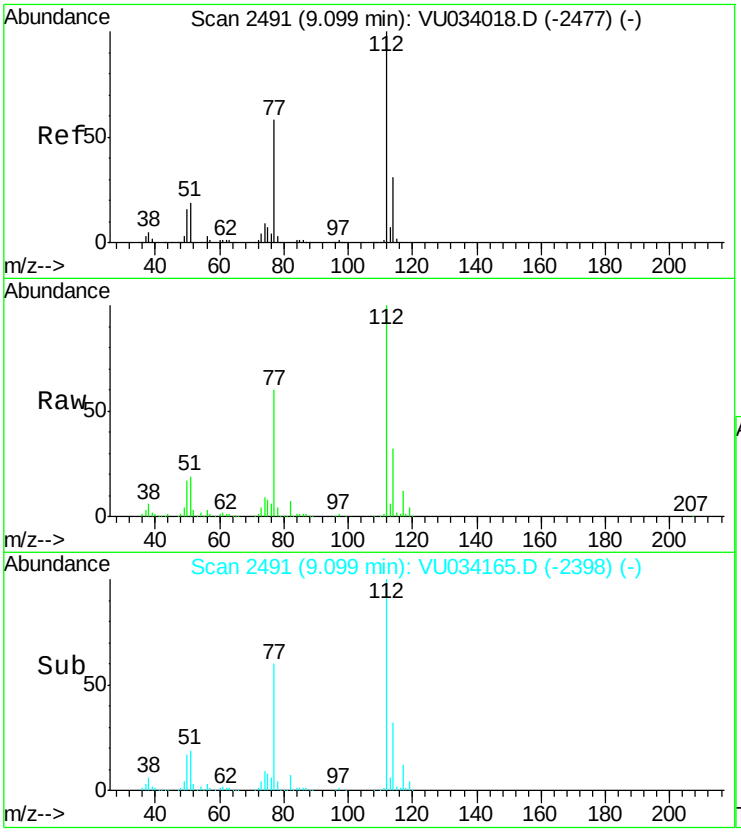


#64
Tetrachloroethene
Concen: 21.004 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:164 Resp: 85083

Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.2	153.2
129	91.4	72.4	108.6
131	90.8	72.1	108.1

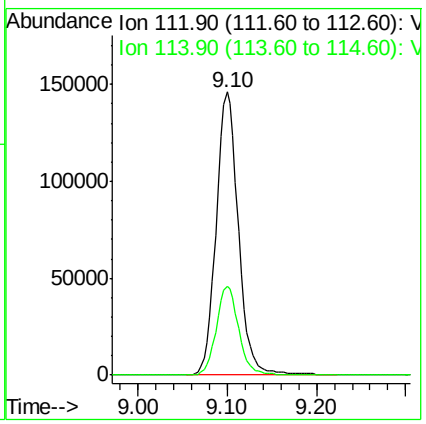




#65
Chlorobenzene
Concen: 20.271 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:112 Resp: 251626

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.4



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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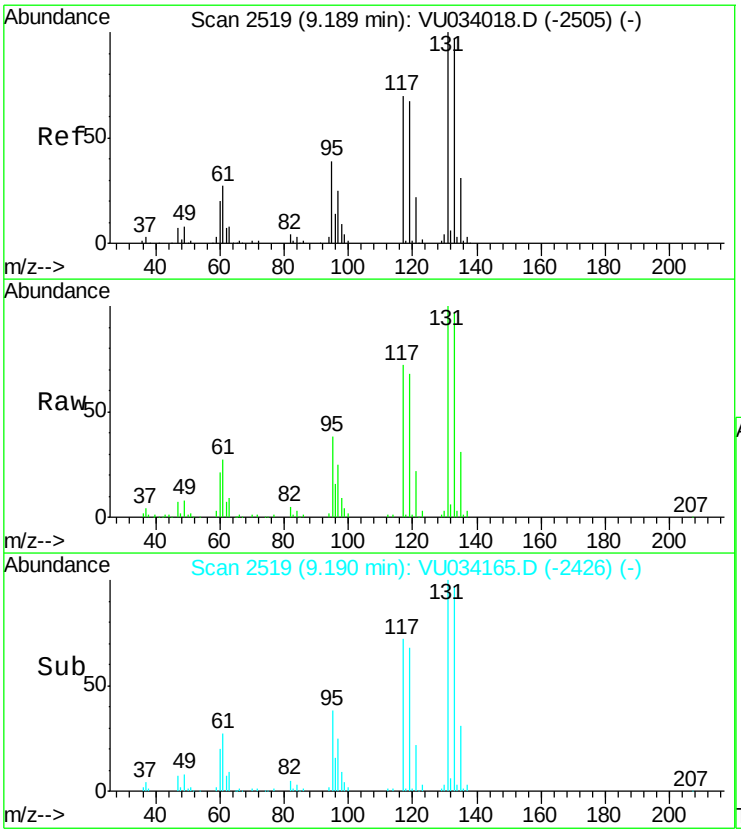
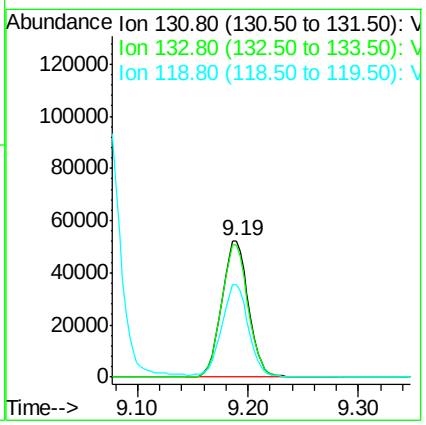
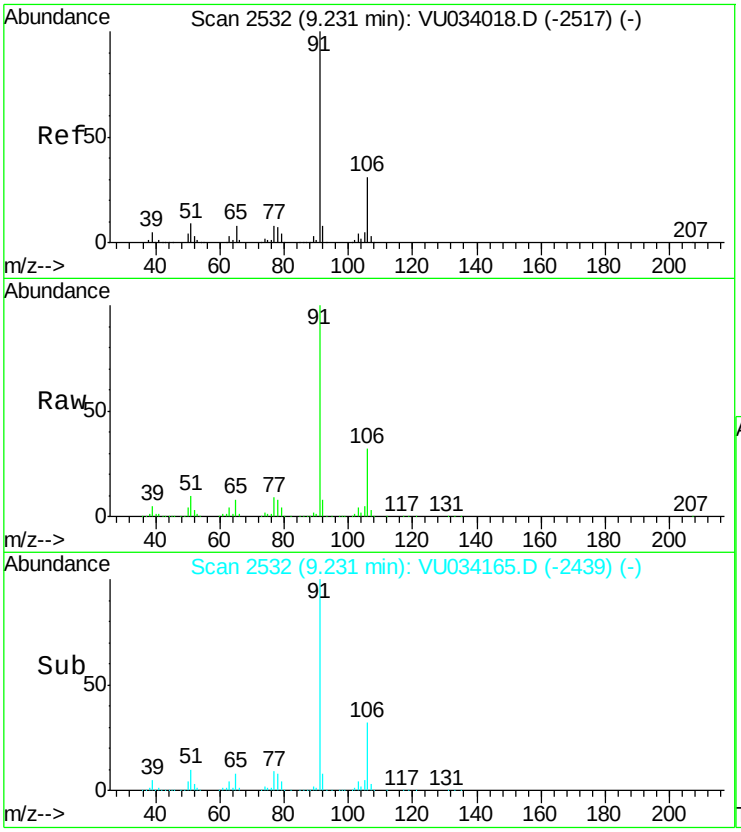


#66
1,1,1,2-Tetrachloroethane
Concen: 19.516 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:131 Resp: 87844

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.4	145.2
119	68.2	33.6	100.6

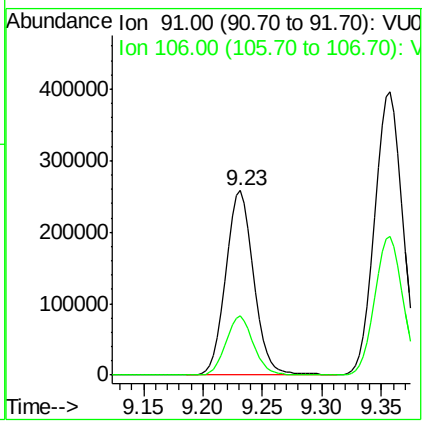




#67
Ethyl Benzene
Concen: 20.097 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 91 Resp: 422891

Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.9	37.3



Instrument :
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ClientSampleId :
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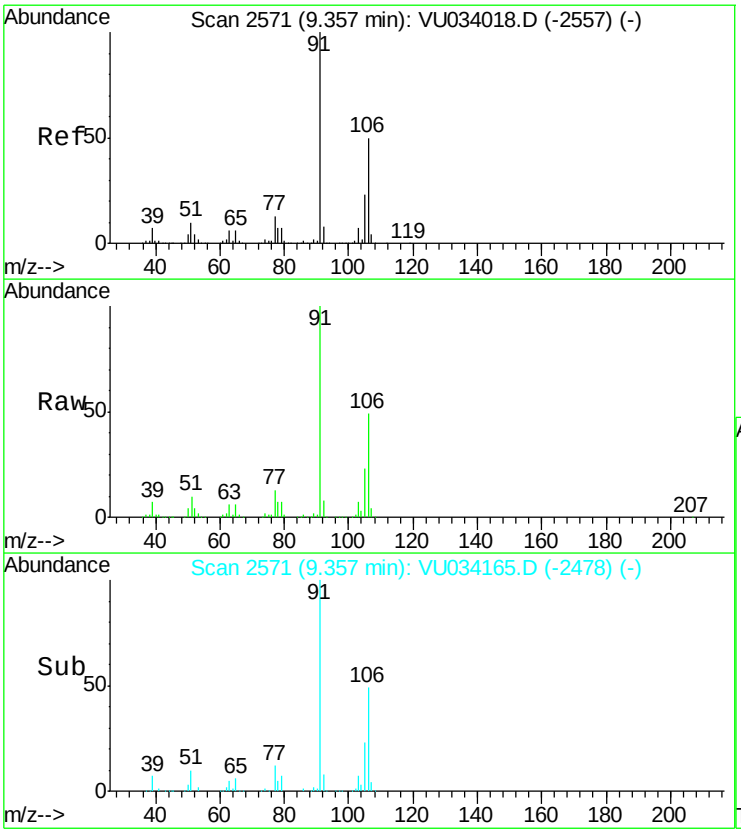
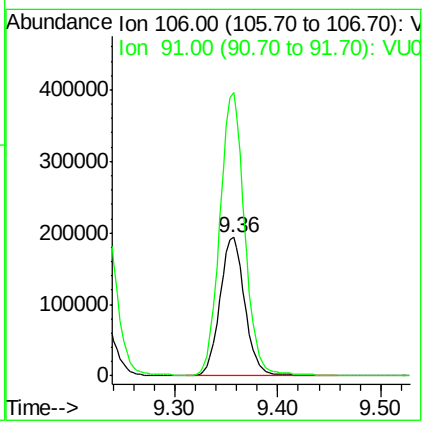
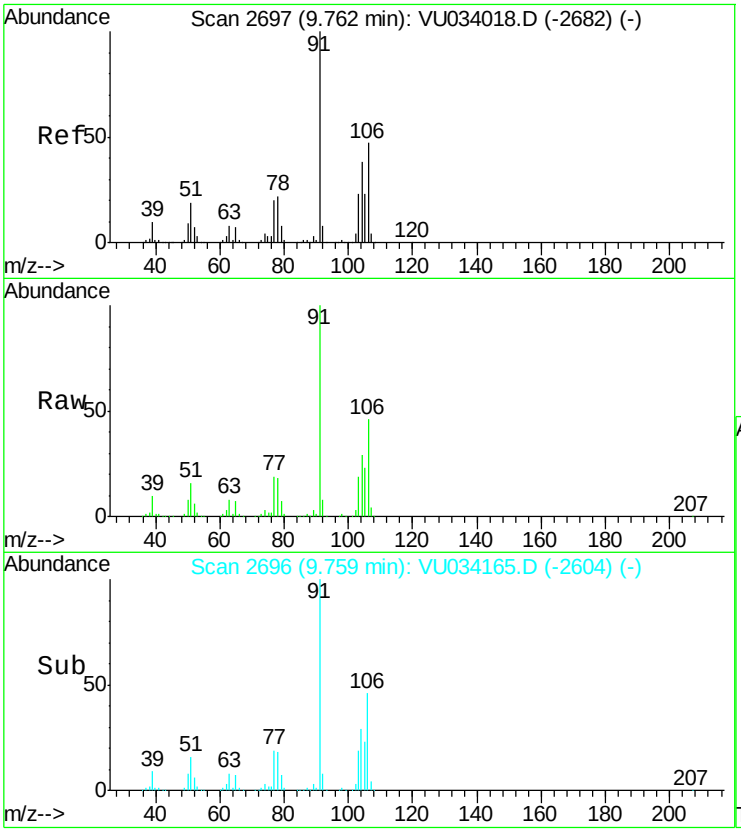


#68
m/p-Xylenes
Concen: 40.503 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:106 Resp: 324064

Ion	Ratio	Lower	Upper
106	100		
91	204.1	161.6	242.4

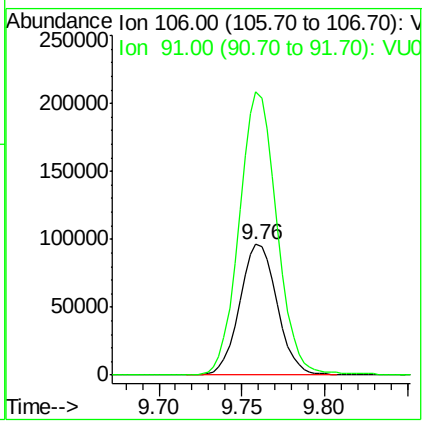




#69
o-Xylene
Concen: 19.731 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:106 Resp: 151457

Ion	Ratio	Lower	Upper
106	100		
91	218.4	106.0	318.0



Instrument :
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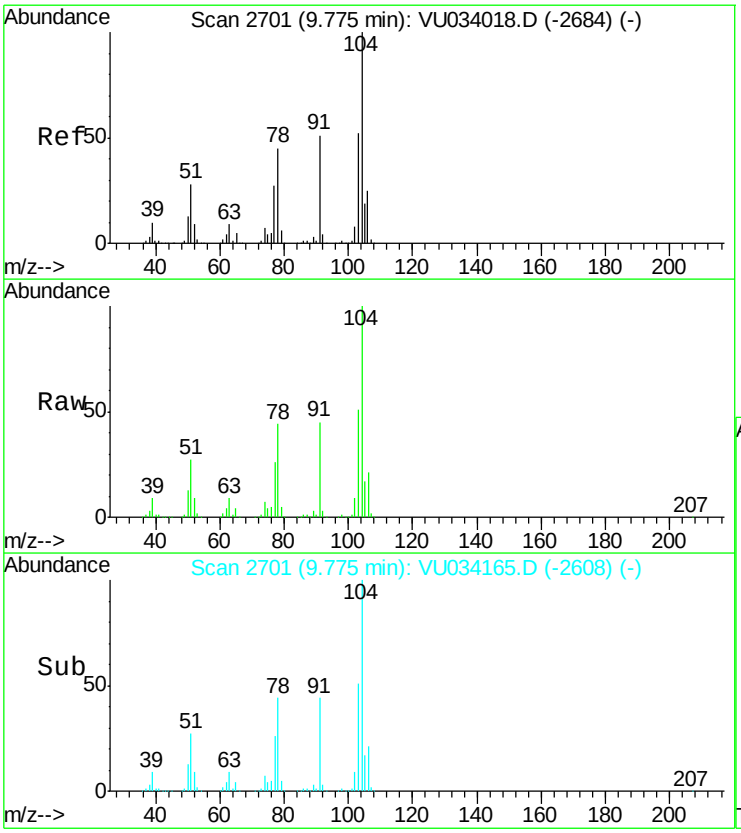
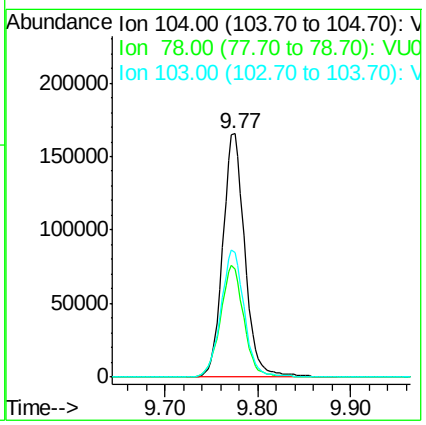
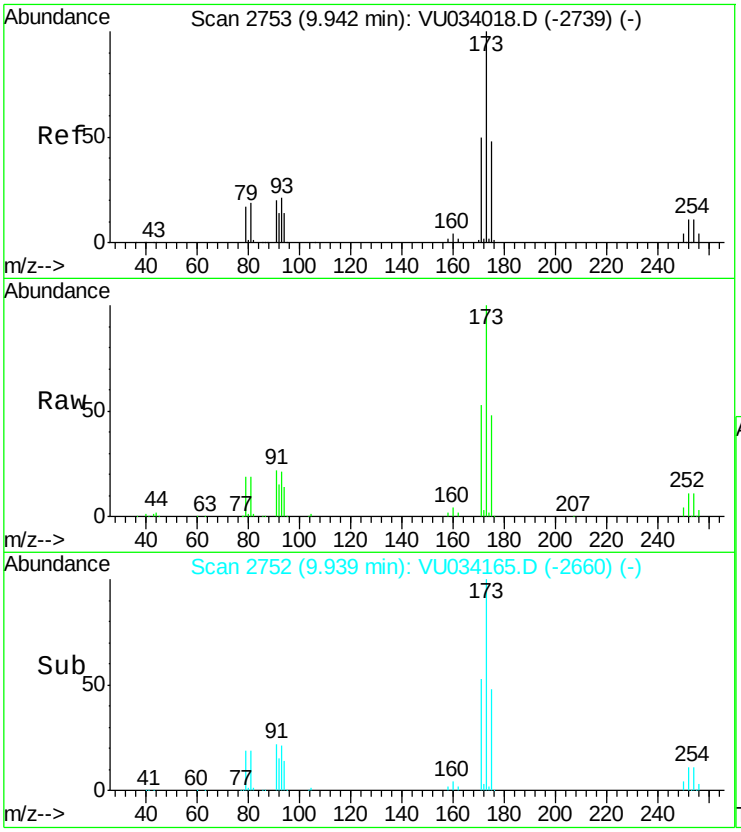


#70
Styrene
Concen: 20.834 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:104 Resp: 274211

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.4
103	55.4	44.0	66.0

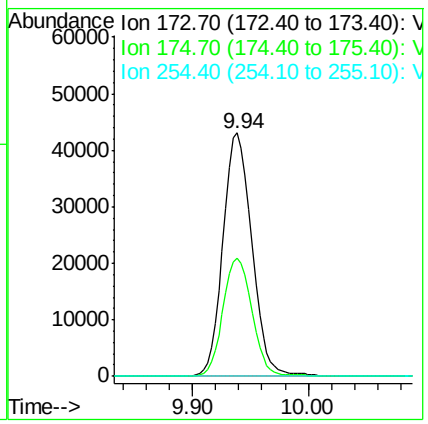




#71
Bromoform
Concen: 19.010 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:173 Resp: 74342

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
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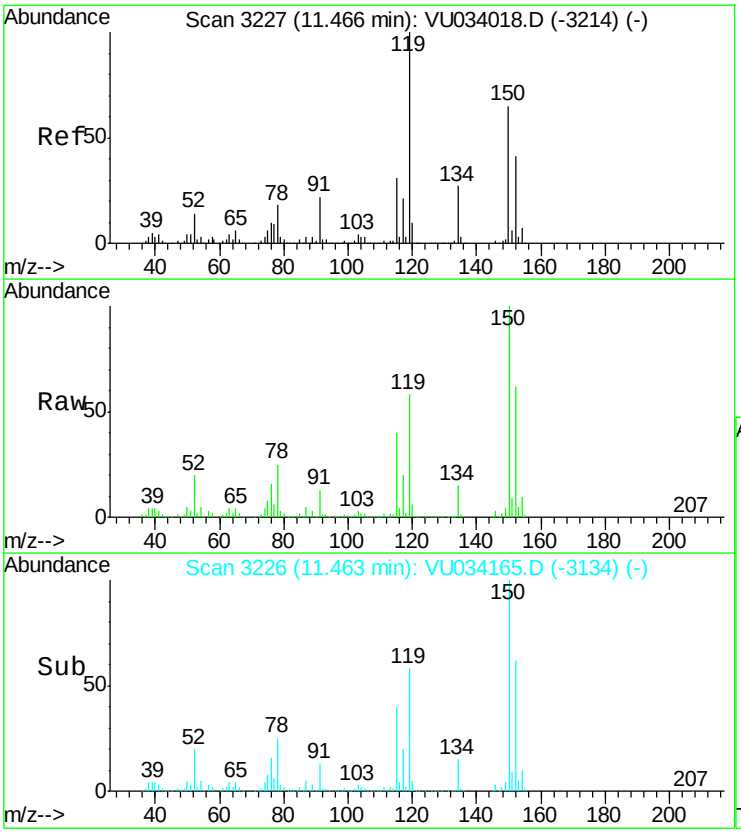
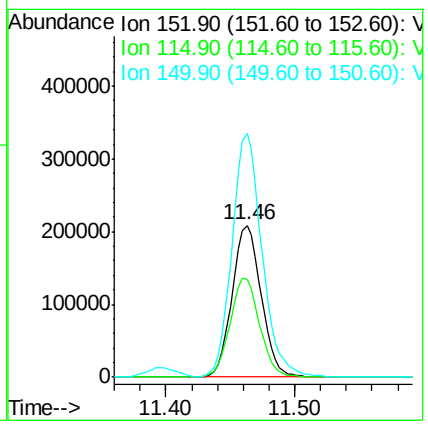
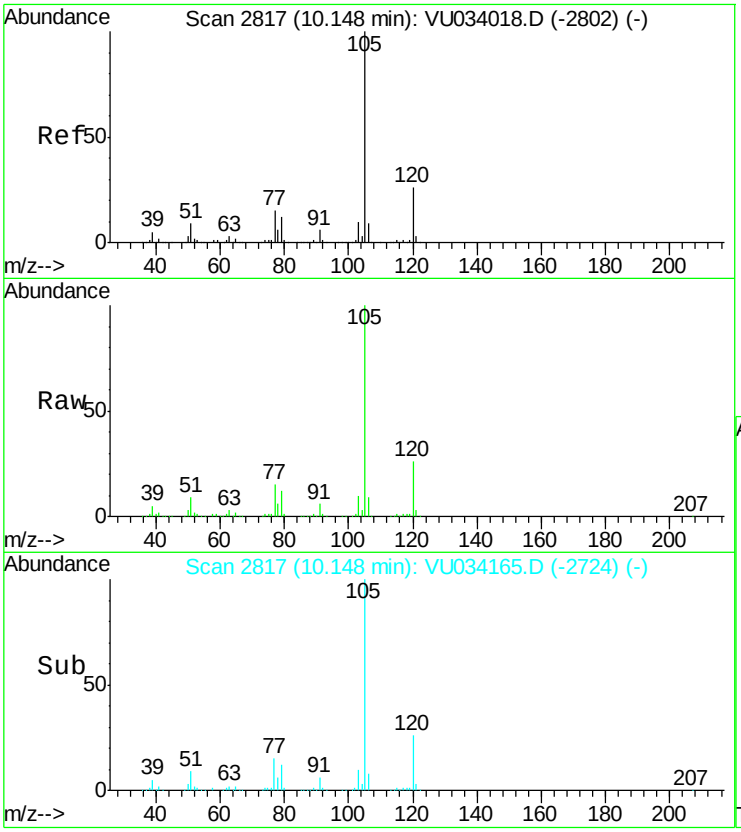


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:152 Resp: 326863

Ion	Ratio	Lower	Upper
152	100		
115	66.5	41.1	123.3
150	164.8	0.0	348.8





#73
Isopropylbenzene
Concen: 19.340 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:105 Resp: 424604

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8

Instrument :
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ClientSampleId :
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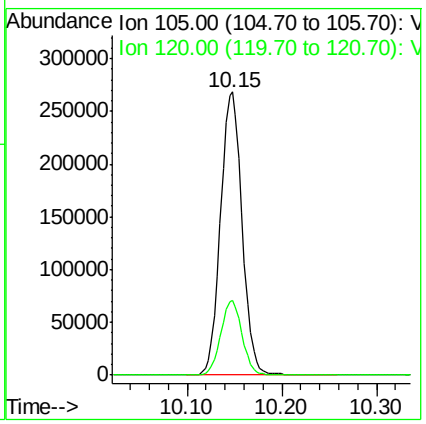
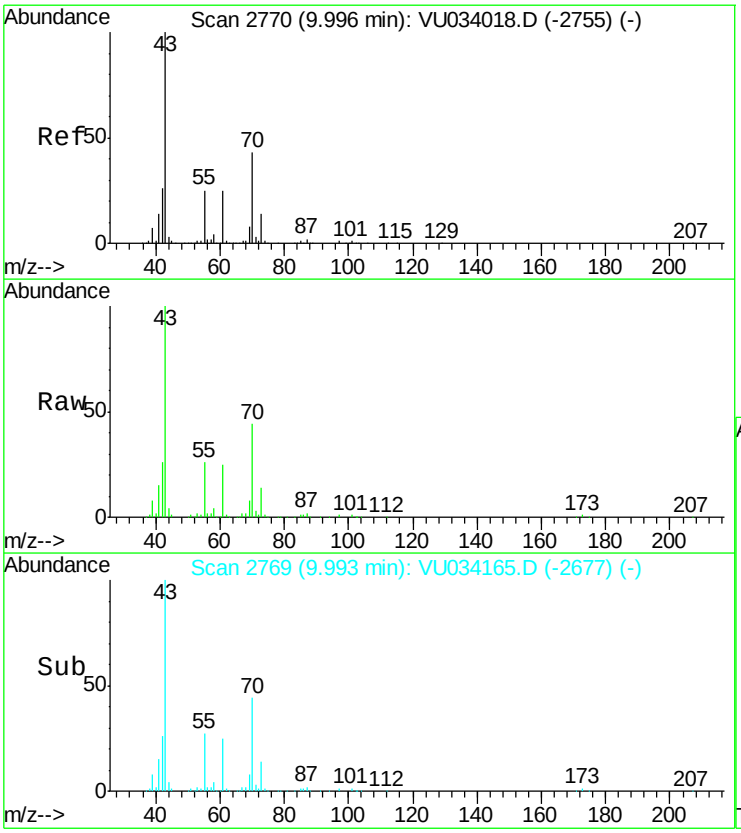
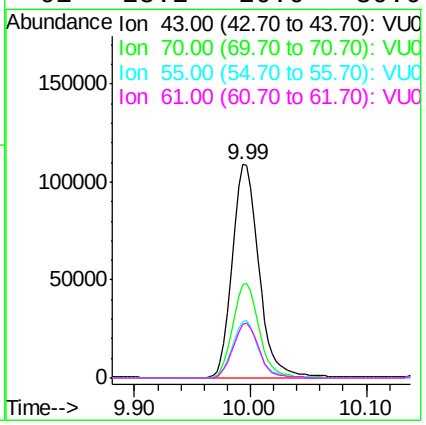


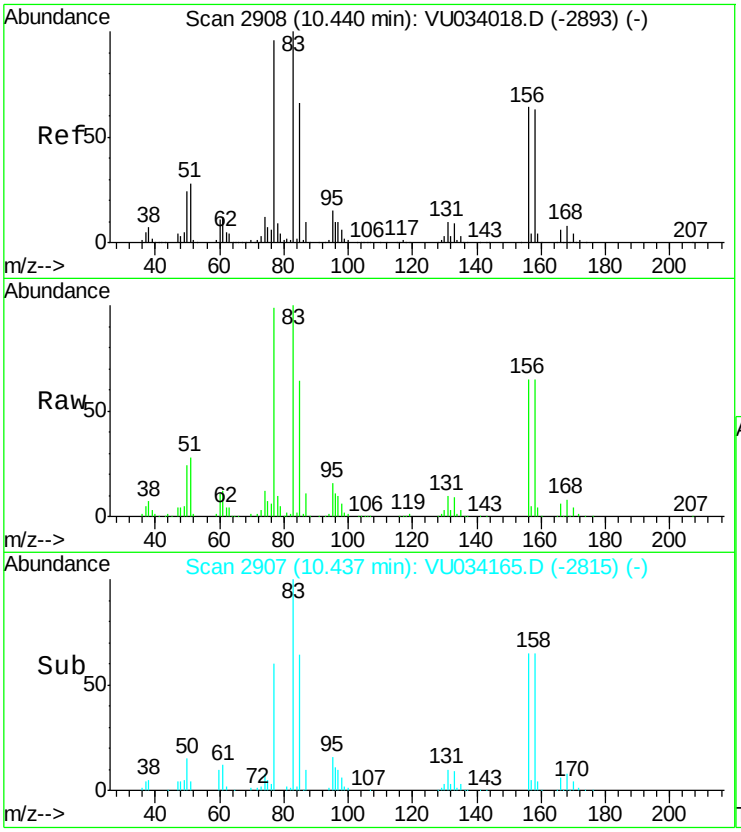


#74
N-amyl acetate
Concen: 18.614 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 171888

Ion	Ratio	Lower	Upper
43	100		
70	44.3	35.2	52.8
55	26.4	20.5	30.7
61	25.2	20.0	30.0

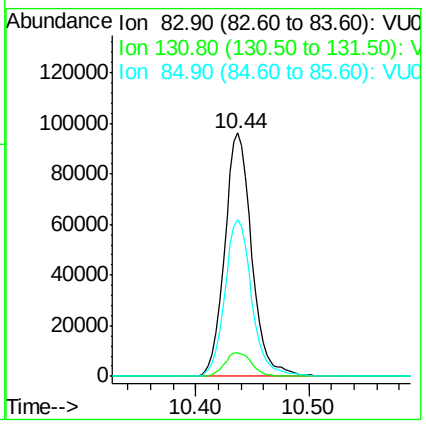




#75
1,1,2,2-Tetrachloroethane
Concen: 18.991 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 83 Resp: 159588

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.3	32.2	96.6



Instrument :
MSVOA_U
ClientSampleId :
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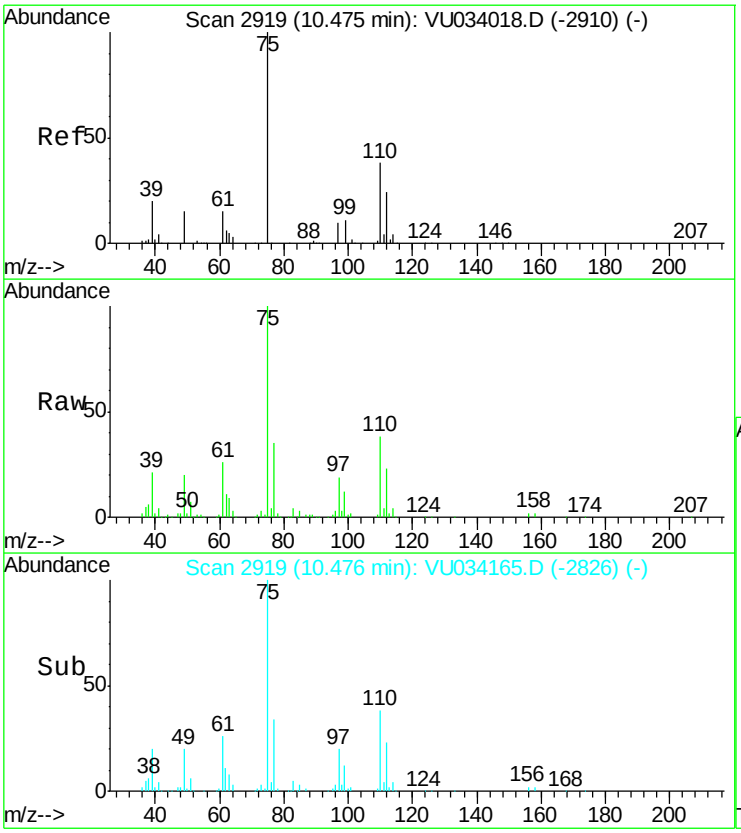
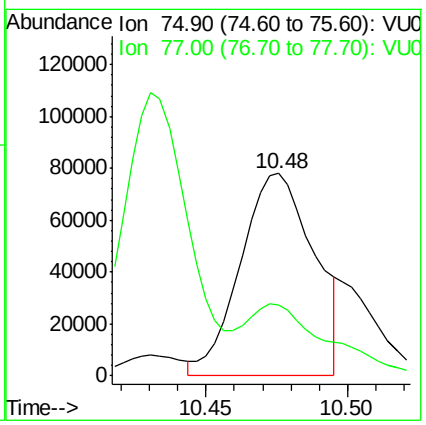
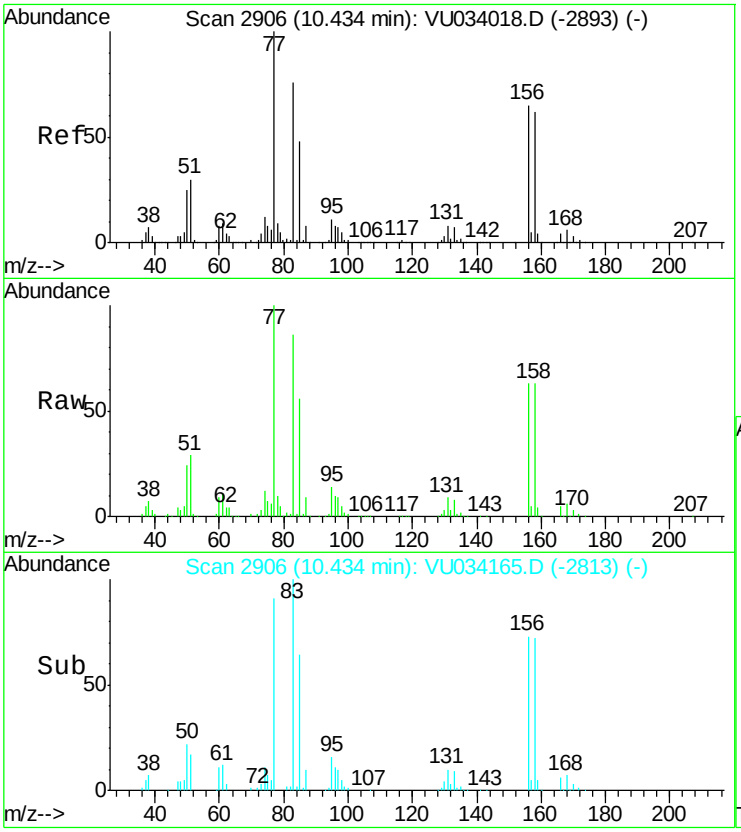


#76
1,2,3-Trichloropropane
Concen: 19.094 ug/l m
RT: 10.48 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 75 Resp: 140666

Ion	Ratio	Lower	Upper
75	100		
77	39.4	20.1	60.2

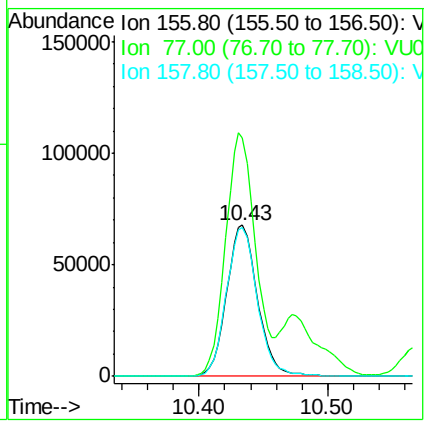




#77
Bromobenzene
Concen: 19.058 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:156 Resp: 112557

Ion	Ratio	Lower	Upper
156	100		
77	157.7	76.8	230.5
158	98.7	48.4	145.0



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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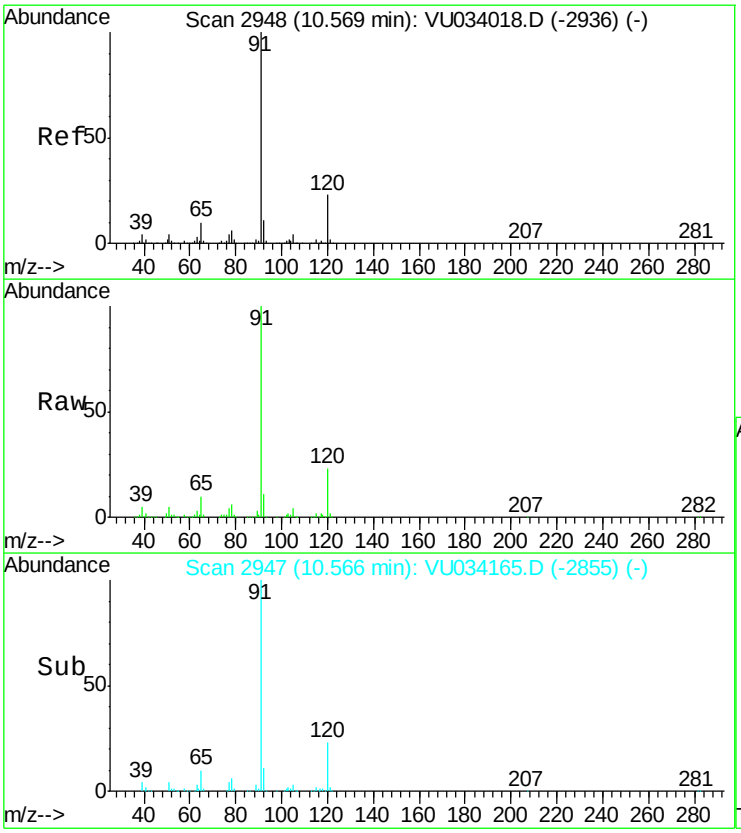
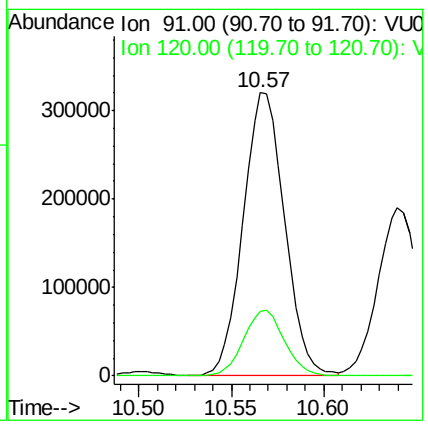
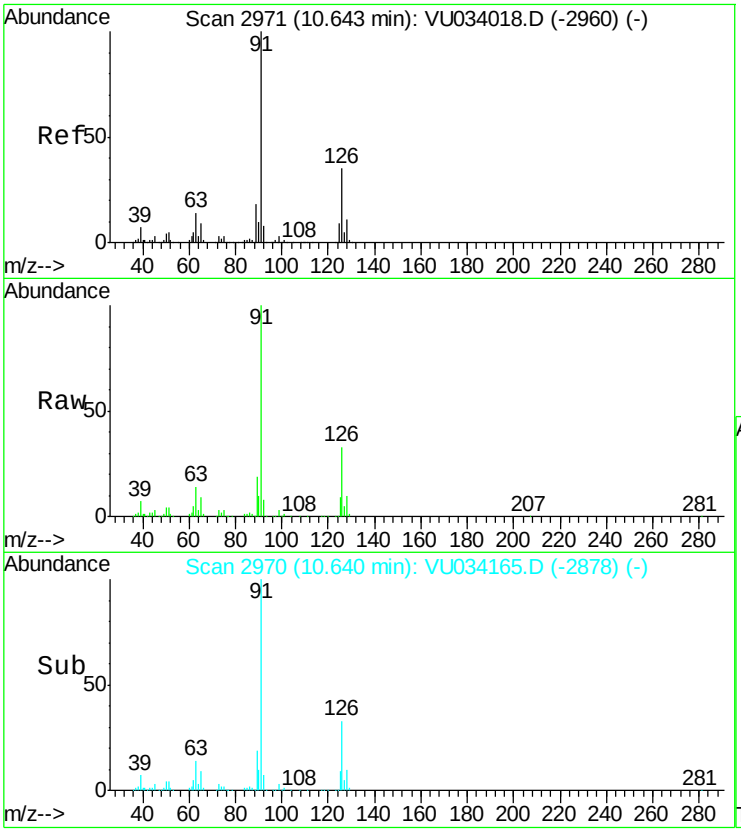


#78
n-propylbenzene
Concen: 19.405 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 91 Resp: 496159

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.7	35.0





#79
2-Chlorotoluene
Concen: 19.291 ug/l
RT: 10.64 min Scan# 2970
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 91 Resp: 295860

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.2

Instrument :
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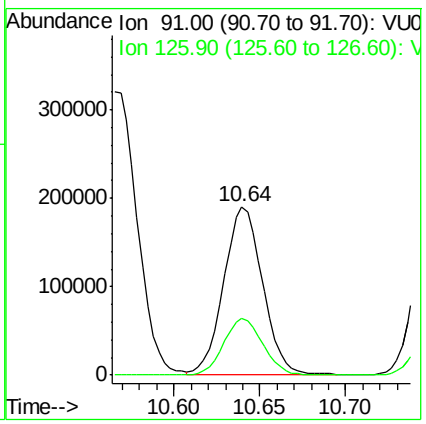
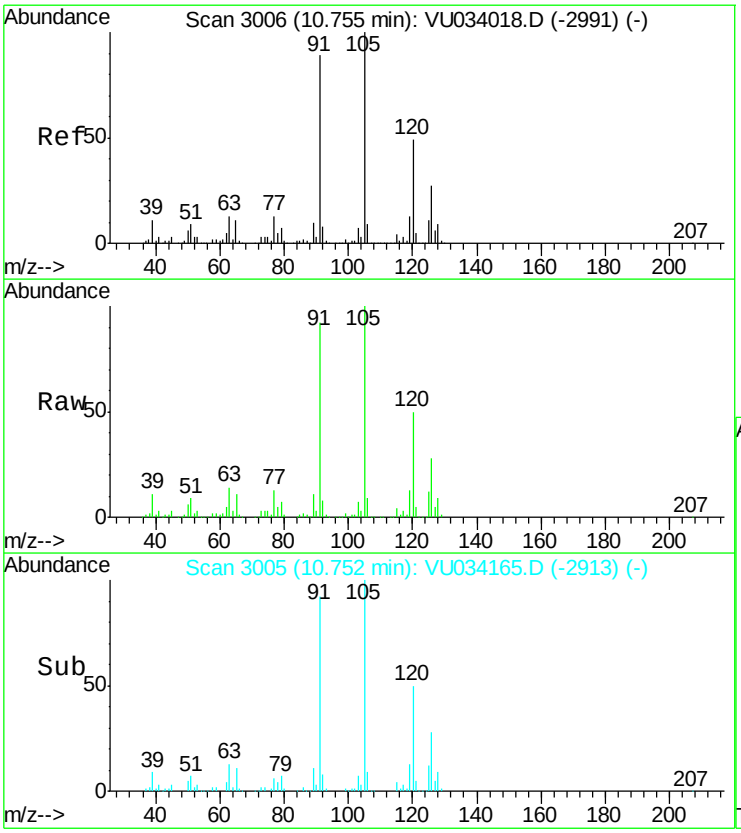
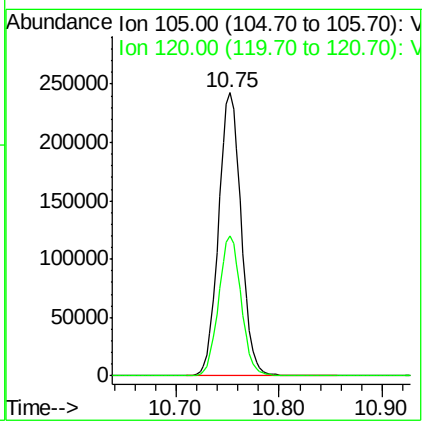


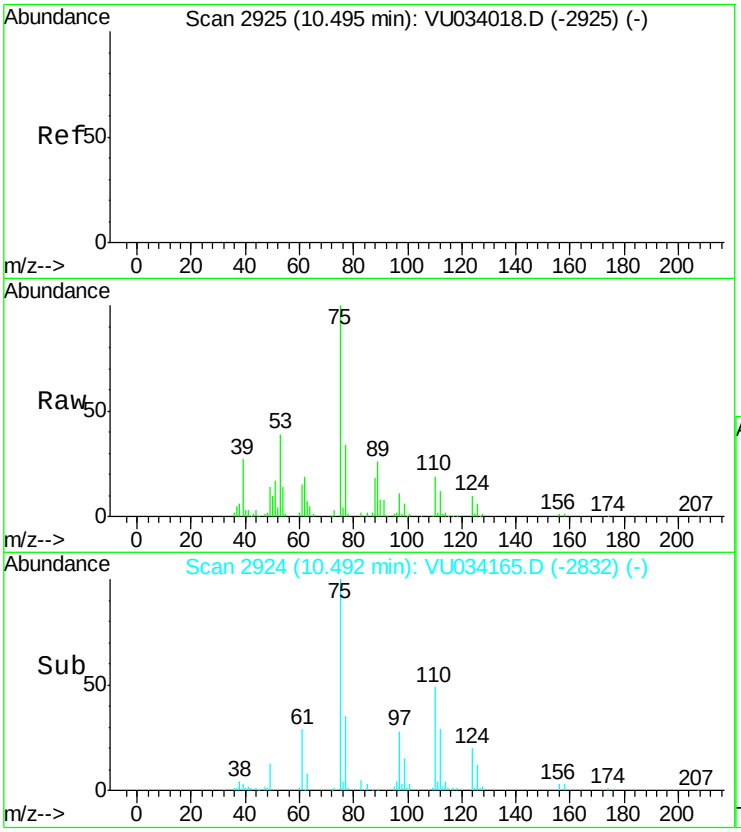


#80
1,3,5-Trimethylbenzene
Concen: 19.801 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:105 Resp: 368465

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.6	73.6

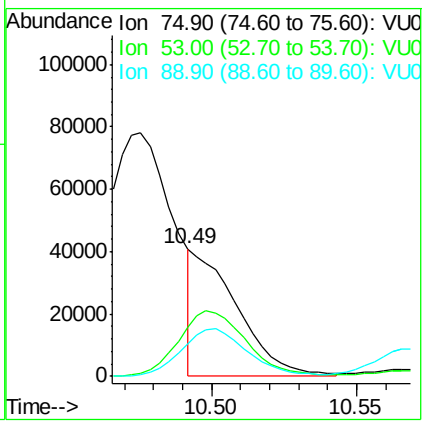




#81
trans-1,4-Dichloro-2-butene
Concen: 19.795 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 75 Resp: 43307

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



Instrument :
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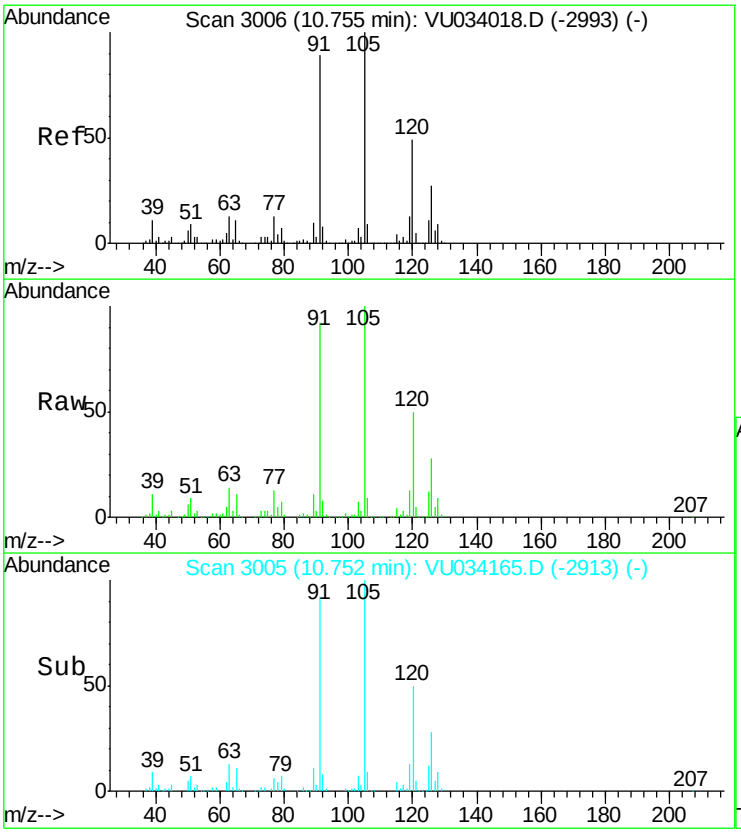
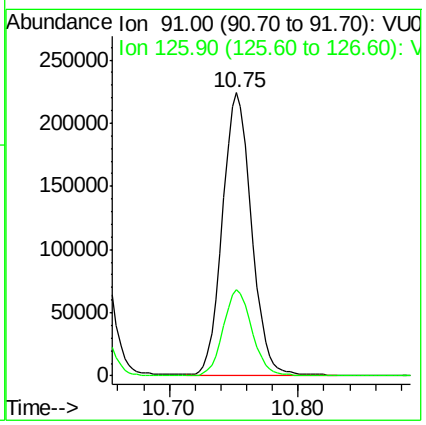
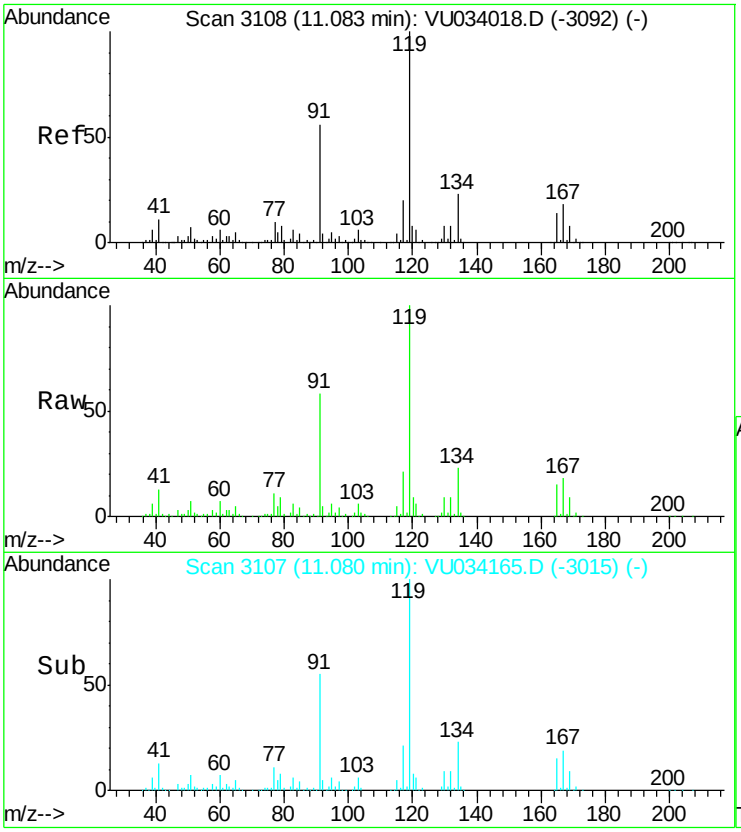


#82
4-Chlorotoluene
Concen: 19.705 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 91 Resp: 347551

Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.0	45.1

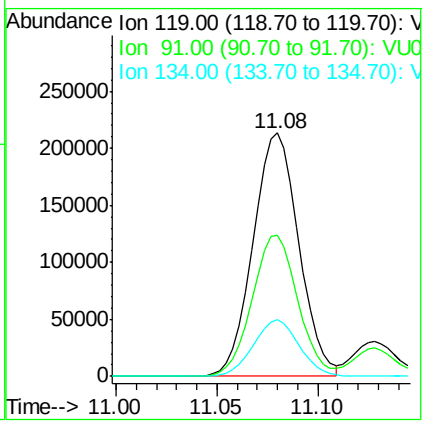




#83
tert-Butylbenzene
Concen: 18.476 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:119 Resp: 338463

Ion	Ratio	Lower	Upper
119	100		
91	57.9	27.9	83.6
134	23.2	11.4	34.2



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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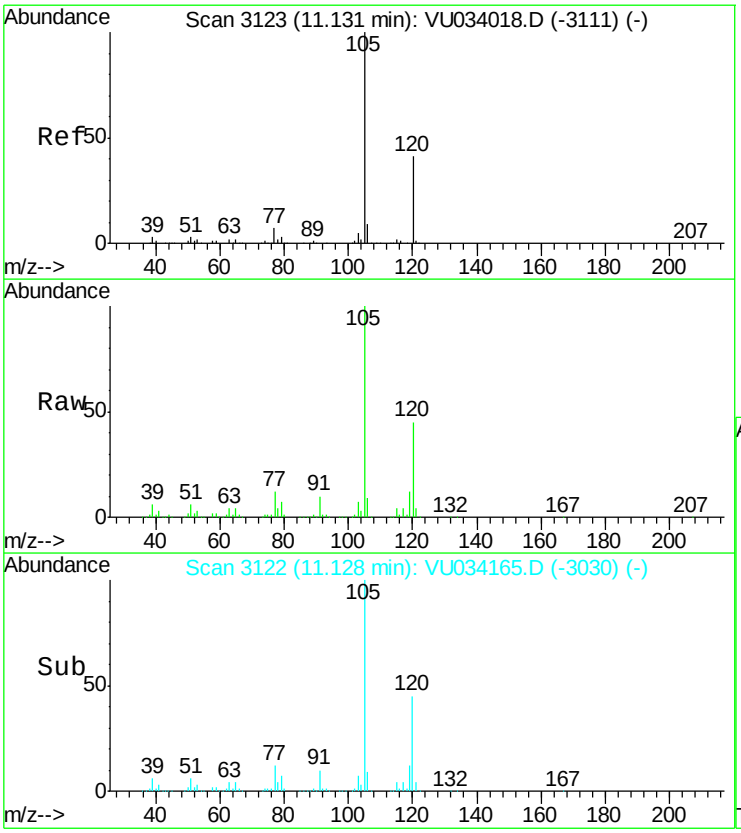
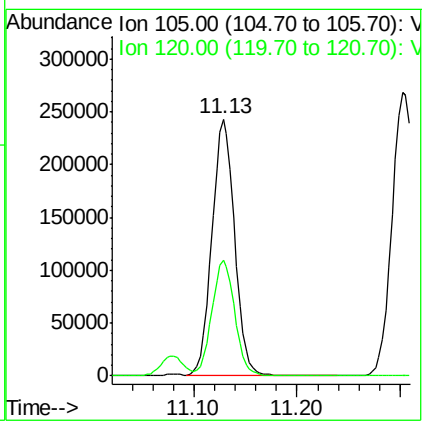
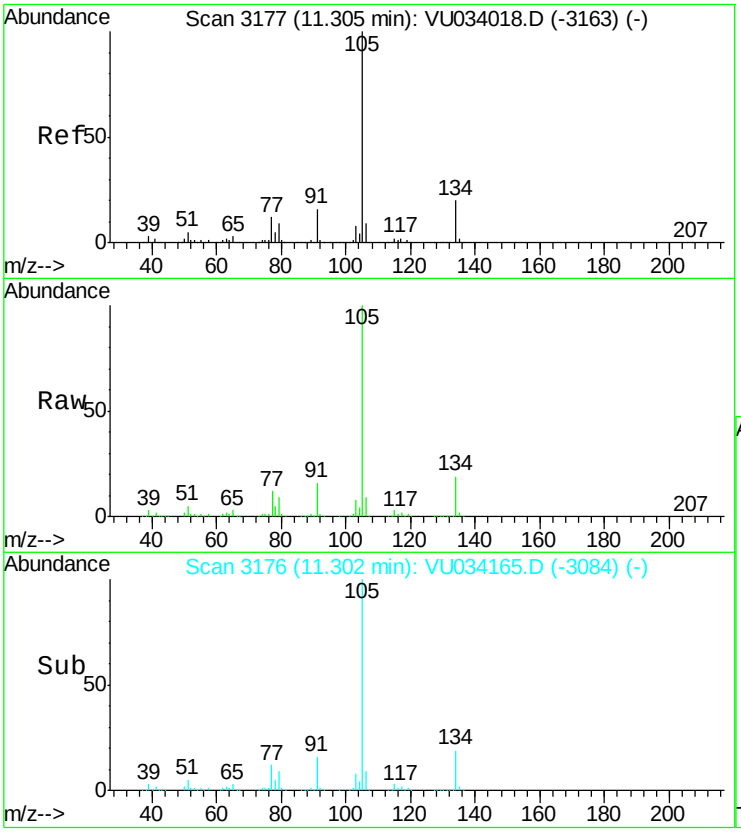


#84
1,2,4-Trimethylbenzene
Concen: 19.910 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:105 Resp: 367894

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





#85
sec-Butylbenzene
Concen: 19.101 ug/l
RT: 11.30 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:105 Resp: 419384

Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	30.0

Instrument :
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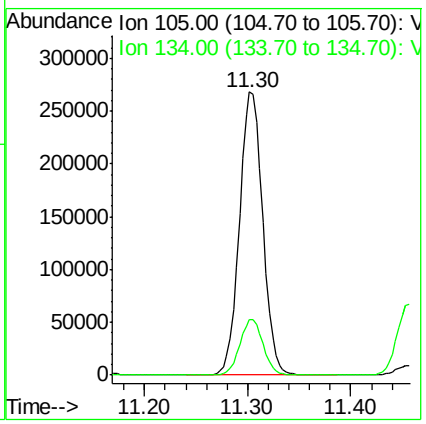
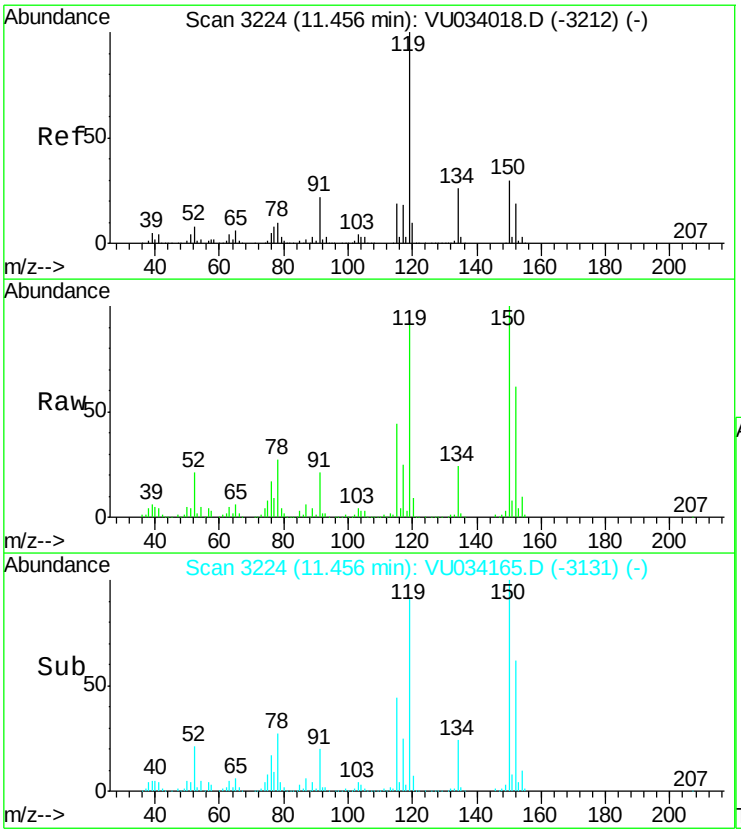
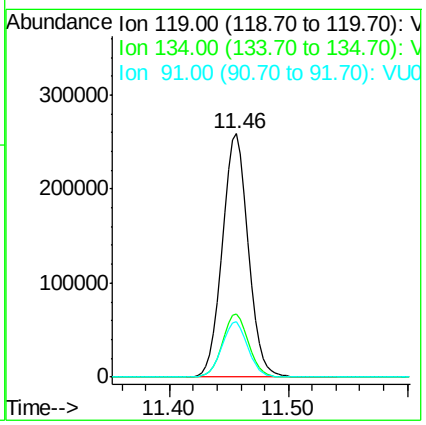


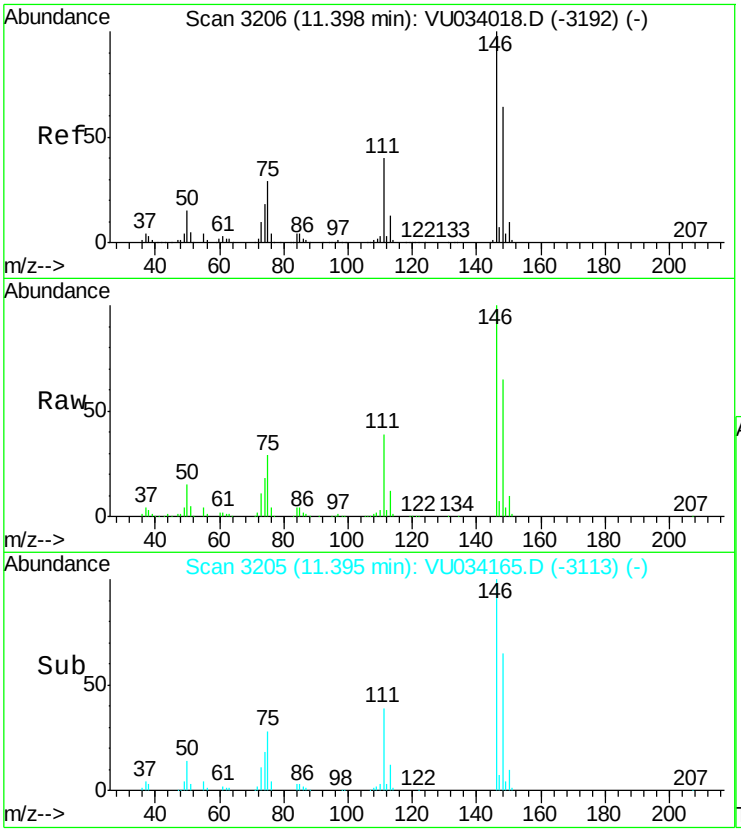


#86
p-Isopropyltoluene
Concen: 19.531 ug/l
RT: 11.46 min Scan# 3224
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:119 Resp: 387840

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	22.7	11.2	33.6

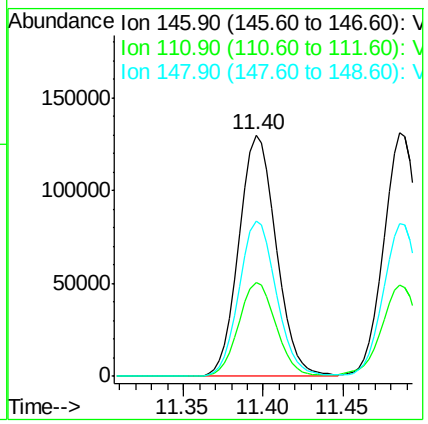




#87
1,3-Dichlorobenzene
Concen: 19.782 ug/l
RT: 11.40 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:146 Resp: 206835

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.6
148	64.3	31.9	95.5



Instrument :
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ClientSampleId :
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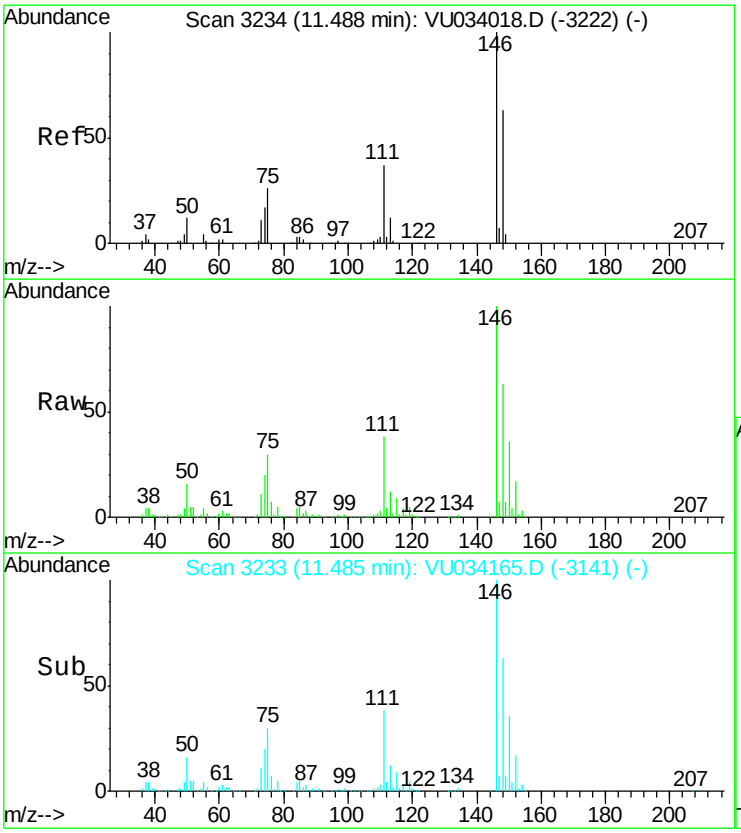
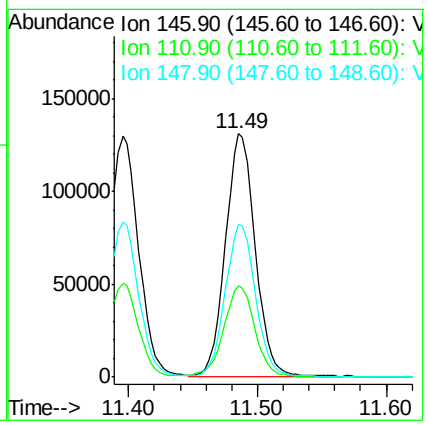
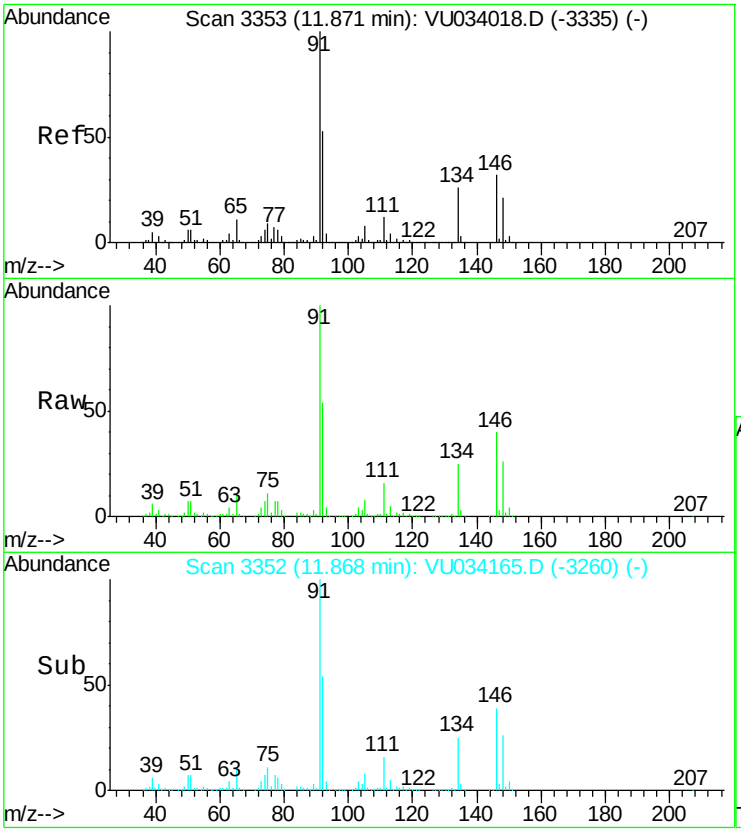


#88
1,4-Dichlorobenzene
Concen: 19.795 ug/l
RT: 11.49 min Scan# 3233
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:146 Resp: 209321

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	64.0	31.9	95.9

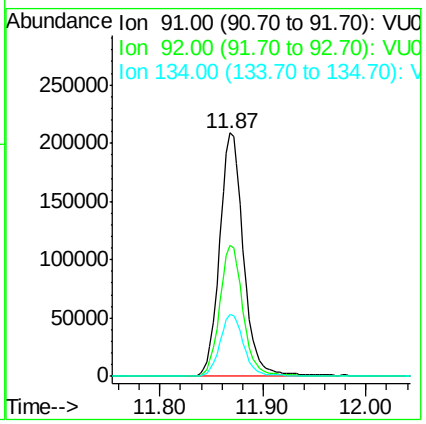




#89
n-Butylbenzene
Concen: 19.222 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 91 Resp: 336516

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	25.4	12.9	38.7



Instrument :
MSVOA_U
ClientSampleId :
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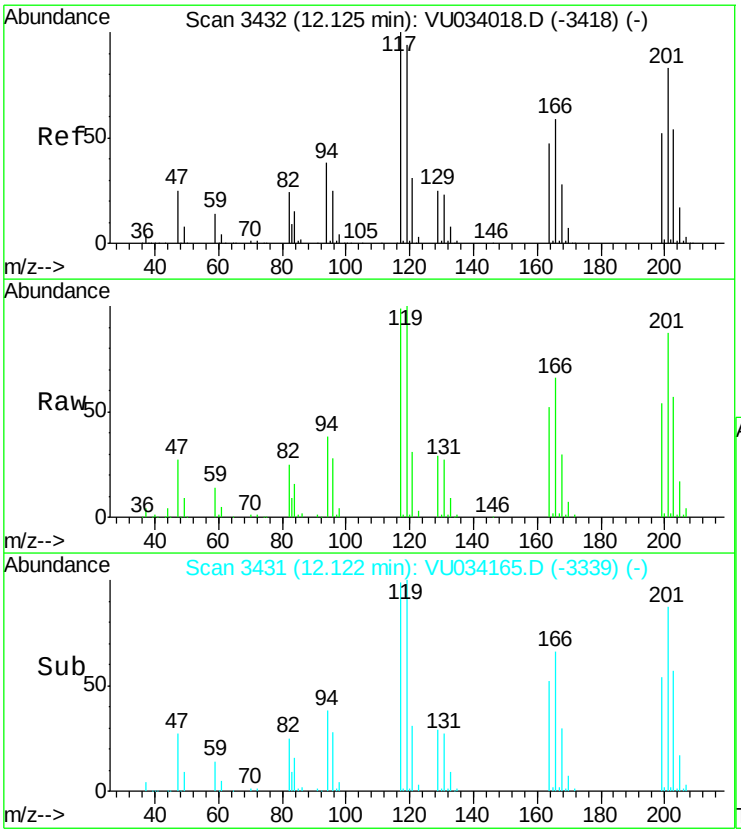
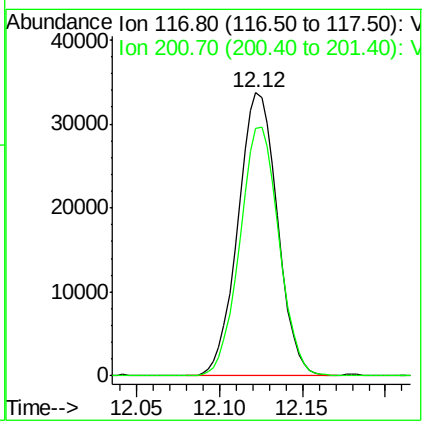
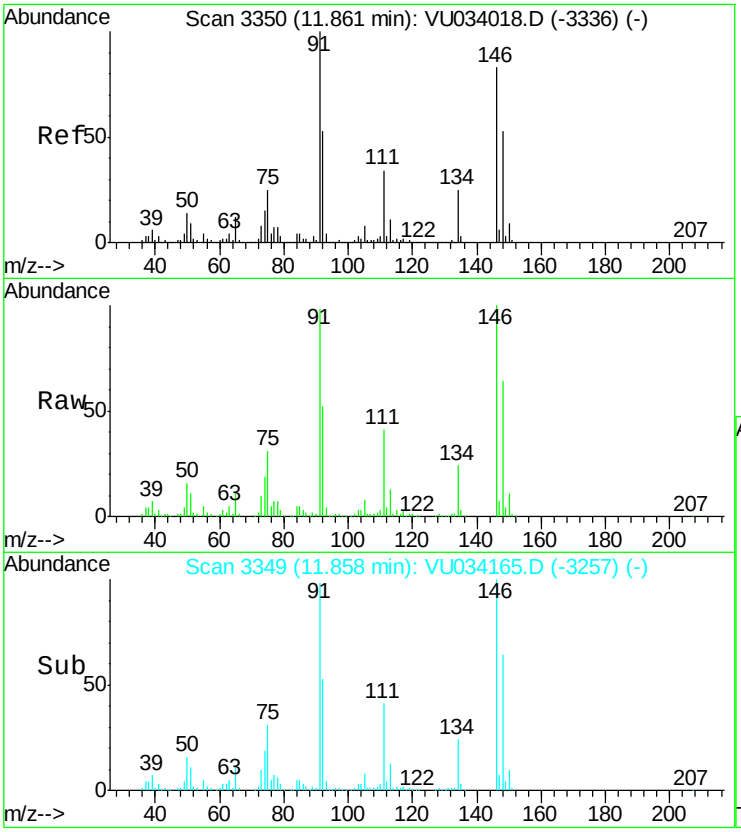


#90
Hexachloroethane
Concen: 16.241 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:117 Resp: 55760

Ion	Ratio	Lower	Upper
117	100		
201	87.0	42.5	127.6

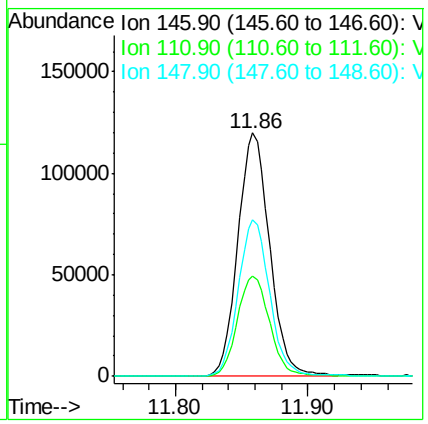




#91
1,2-Dichlorobenzene
Concen: 19.991 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:146 Resp: 200224

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.8	32.3	96.8



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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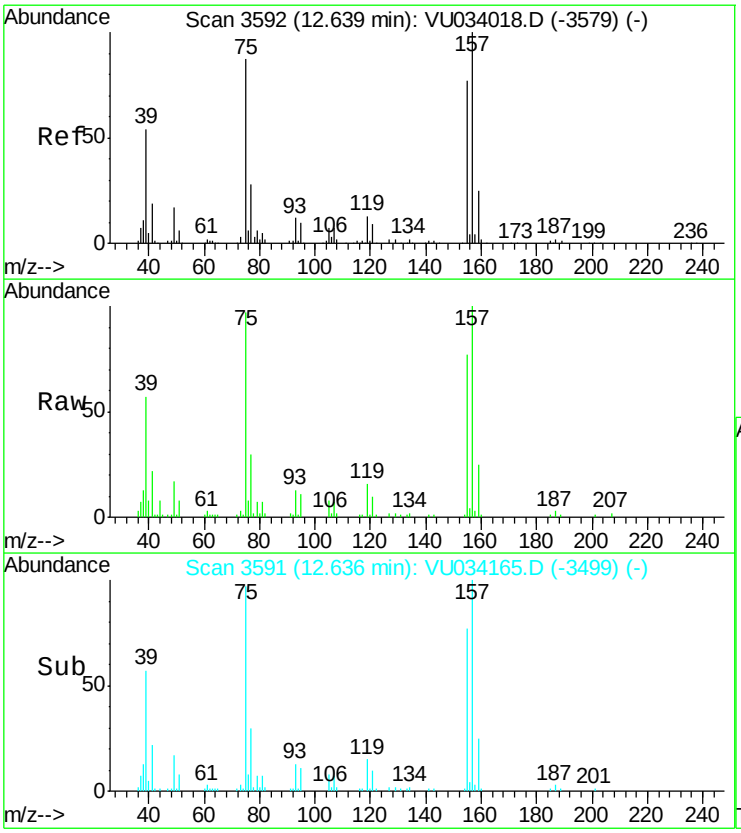
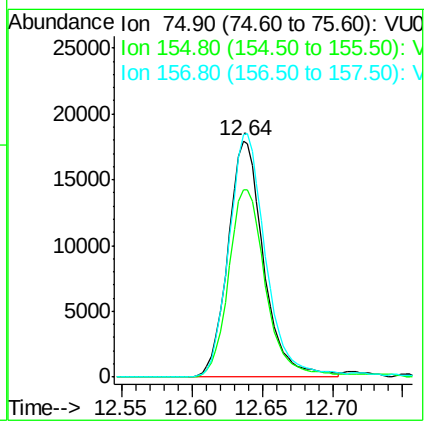
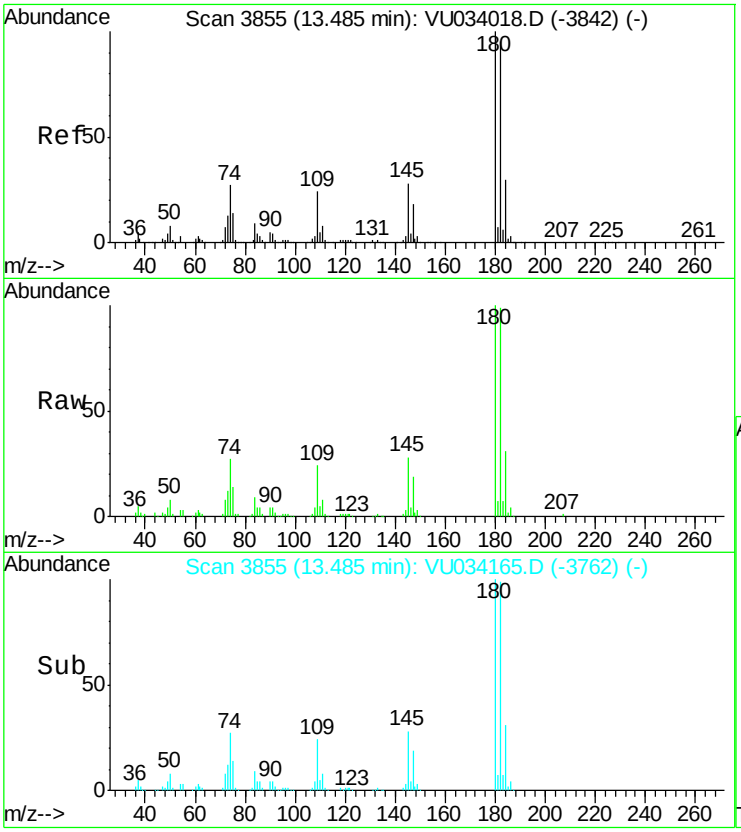


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.016 ug/l
RT: 12.64 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 75 Resp: 31835

Ion	Ratio	Lower	Upper
75	100		
155	82.1	43.5	130.7
157	106.0	56.9	170.6

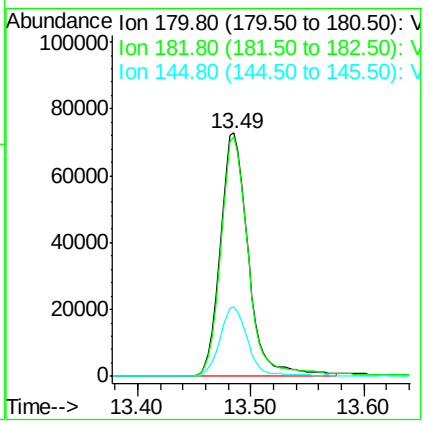




#93
1,2,4-Trichlorobenzene
Concen: 18.301 ug/l
RT: 13.49 min Scan# 3855
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:180 Resp: 125230

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	28.3	14.1	42.3



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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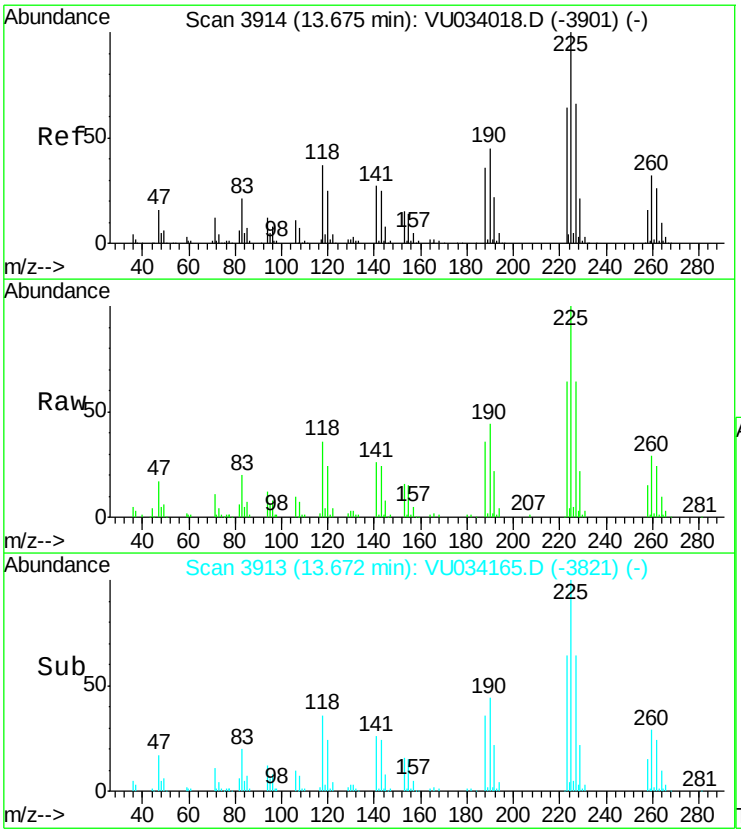
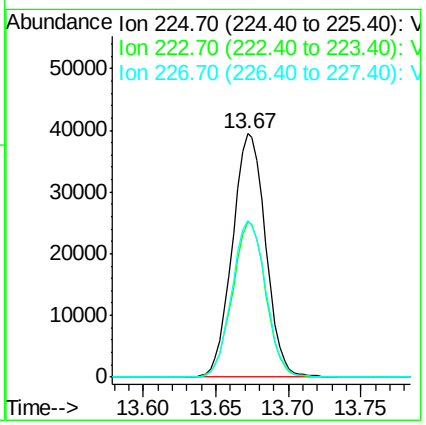
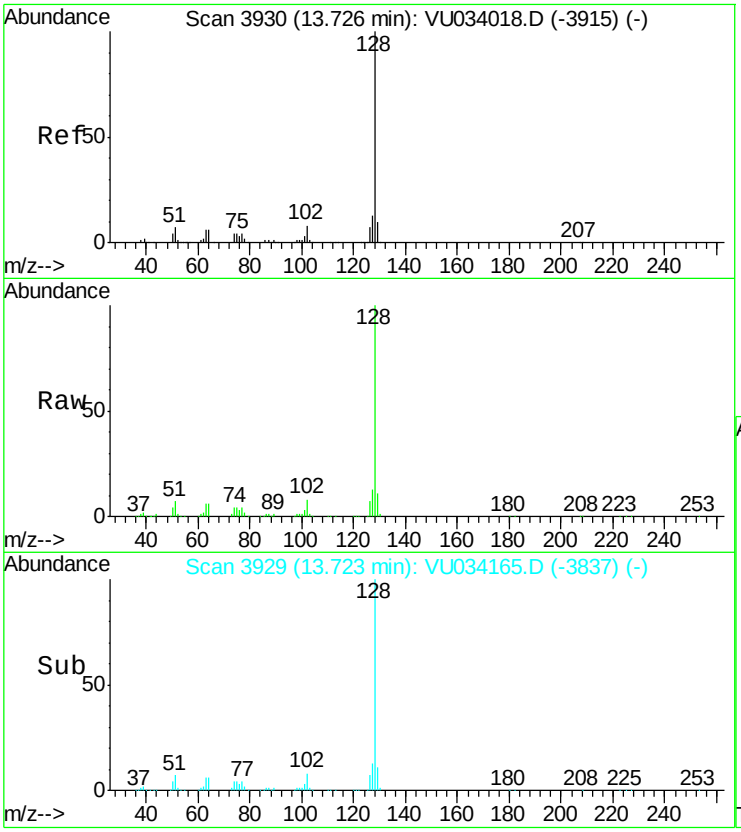


#94
Hexachlorobutadiene
Concen: 16.056 ug/l
RT: 13.67 min Scan# 3913
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:225 Resp: 62911

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.8	95.3
227	65.2	32.6	97.8

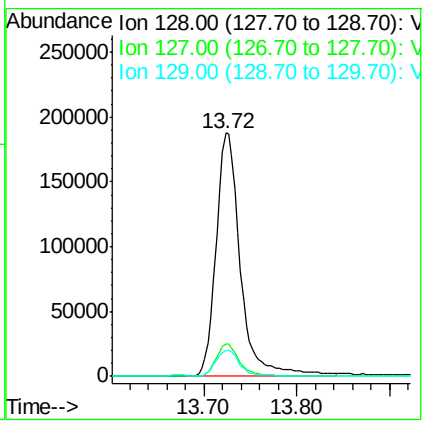




#95
Naphthalene
Concen: 17.957 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:128 Resp: 342093

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.6	8.4	12.6



Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS02

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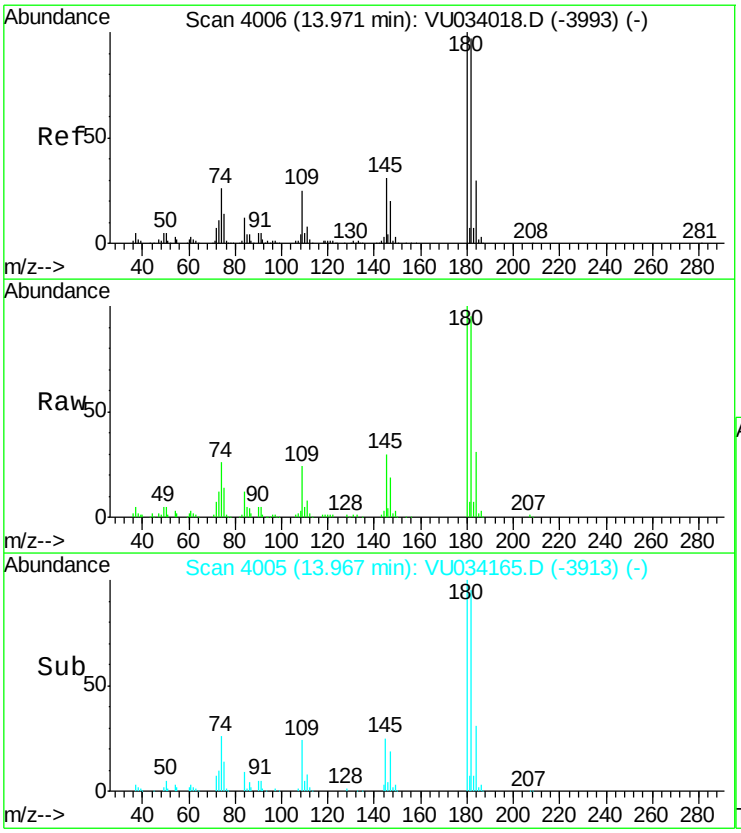
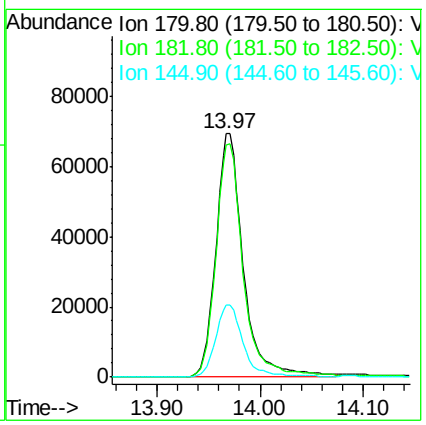


#96
1,2,3-Trichlorobenzene
Concen: 19.968 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:180 Resp: 128117

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.2	144.6
145	28.9	15.5	46.5