Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020619\

Quantitation Report (Not Reviewed)

Data File : VW008520.D
Acq On : 06 Feb 2019 11:53
Operator : SY/VA
Sample : VW0206SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VW0206SBSD01

Quant Time: Feb 07 01:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.95	168	575631	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.84	114	873932	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.63	117	779459	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	404944	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.31	65	294915	52.15	ug/l		0.00
Spiked Amount 50.000			Recovery = 104.30%				
35) Dibromofluoromethane	7.88	113	283621	55.50	ug/l		0.00
Spiked Amount 50.000			Recovery = 111.00%				
50) Toluene-d8	10.32	98	1075808	52.50	ug/l		0.00
Spiked Amount 50.000			Recovery = 105.00%				
62) 4-Bromofluorobenzene	12.62	95	392793	49.87	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.00	85	43801	15.563	ug/l		91
3) Chloromethane	2.21	50	81995	17.450	ug/l		99
4) Vinyl Chloride	2.37	62	109231	18.262	ug/l		100
5) Bromomethane	2.77	94	91239	23.649	ug/l		97
6) Chloroethane	2.93	64	87257	23.853	ug/l		100
7) Trichlorofluoromethane	3.25	101	89167	20.244	ug/l		97
8) Diethyl Ether	3.68	74	56841	19.801	ug/l		100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	101115	19.422	ug/l		98
10) Methyl Iodide	4.26	142	162472	19.757	ug/l		98
11) Tert butyl alcohol	5.20	59	40756	89.516	ug/l	#	70
12) 1,1-Dichloroethene	4.04	96	98659	18.725	ug/l		93
13) Acrolein	3.89	56	38624	98.727	ug/l		93
14) Allyl chloride	4.66	41	174448	17.436	ug/l		96
15) Acrylonitrile	5.37	53	118283	95.422	ug/l		99
16) Acetone	4.13	43	115863	91.236	ug/l		94
17) Carbon Disulfide	4.37	76	295600	17.566	ug/l		97
18) Methyl Acetate	4.67	43	61872	18.267	ug/l		93
19) Methyl tert-butyl Ether	5.43	73	174264	19.990	ug/l		96
20) Methylene Chloride	4.92	84	119388	20.397	ug/l		89
21) trans-1,2-Dichloroethene	5.42	96	111961	18.901	ug/l		93
22) Diisopropyl ether	6.31	45	341499	18.010	ug/l		98
23) Vinyl Acetate	6.25	43	1028164	91.828	ug/l		99
24) 1,1-Dichloroethane	6.21	63	198054	18.452	ug/l		99
25) 2-Butanone	7.17	43	170488	96.654	ug/l		99
26) 2,2-Dichloropropane	7.17	77	135258	18.643	ug/l		99
27) cis-1,2-Dichloroethene	7.17	96	124296	19.254	ug/l		98
28) Bromochloromethane	7.51	49	93702	19.007	ug/l		96
29) Tetrahydrofuran	7.53	42	109327	97.807	ug/l		97
30) Chloroform	7.67	83	199699	18.916	ug/l		96
31) Cyclohexane	7.95	56	195427	17.609	ug/l	#	94
32) 1,1,1-Trichloroethane	7.87	97	174090	19.092	ug/l		100
36) 1,1-Dichloropropene	8.08	75	159187	19.283	ug/l		97
37) Ethyl Acetate	7.26	43	74632	20.434	ug/l		99
38) Carbon Tetrachloride	8.06	117	166755	20.074	ug/l		96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020619\

Quantitation Report (Not Reviewed)

Data File : VW008520.D
Acq On : 06 Feb 2019 11:53
Operator : SY/VA
Sample : VW0206SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VW0206SBSD01

Quant Time: Feb 07 01:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	9.33	83	204350	18.843	ug/l		96
40) Benzene	8.32	78	446125	19.475	ug/l		99
41) Methacrylonitrile	7.48	41	42545	19.673	ug/l		94
42) 1,2-Dichloroethane	8.40	62	133288	20.078	ug/l		100
43) Isopropyl Acetate	8.42	43	149982	19.766	ug/l		97
44) Trichloroethene	9.09	130	128698	20.660	ug/l		97
45) 1,2-Dichloropropane	9.37	63	110594	19.363	ug/l		95
46) Dibromomethane	9.46	93	59730	20.332	ug/l		95
47) Bromodichloromethane	9.64	83	151780	19.533	ug/l		99
48) Methyl methacrylate	9.43	41	70815	19.087	ug/l		97
49) 1,4-Dioxane	9.46	88	18507	372.700	ug/l		95
51) 4-Methyl-2-Pentanone	10.21	43	375123	100.069	ug/l		99
52) Toluene	10.39	92	288356	19.069	ug/l		98
53) t-1,3-Dichloropropene	10.60	75	160381	19.397	ug/l		94
54) cis-1,3-Dichloropropene	10.07	75	178538	19.028	ug/l		99
55) 1,1,2-Trichloroethane	10.79	97	82130	20.156	ug/l		97
56) Ethyl methacrylate	10.65	69	105610	18.497	ug/l		97
57) 1,3-Dichloropropane	10.93	76	146920	20.126	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.92	63	286961	103.441	ug/l		96
59) 2-Hexanone	10.97	43	267512	101.085	ug/l		100
60) Dibromochloromethane	11.13	129	103238	19.715	ug/l		99
61) 1,2-Dibromoethane	11.24	107	81230	20.105	ug/l		99
64) Tetrachloroethene	10.86	164	108767	20.610	ug/l		98
65) Chlorobenzene	11.66	112	324155	20.372	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.73	131	114674	20.144	ug/l		98
67) Ethyl Benzene	11.73	91	567023	19.387	ug/l		99
68) m/p-Xylenes	11.84	106	442040	38.953	ug/l		97
69) o-Xylene	12.16	106	209449	19.425	ug/l		96
70) Styrene	12.18	104	339905	19.085	ug/l		98
71) Bromoform	12.35	173	62233	19.429	ug/l	#	99
73) Isopropylbenzene	12.46	105	583287	19.321	ug/l		99
74) N-amyl acetate	12.27	43	146938	18.893	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.71	83	96298	20.148	ug/l		97
76) 1,2,3-Trichloropropane	12.77	75	132051	37.507	ug/l		20
77) Bromobenzene	12.75	156	133625	20.267	ug/l		94
78) n-propylbenzene	12.80	91	683652	18.854	ug/l		98
79) 2-Chlorotoluene	12.90	91	393618	19.237	ug/l		98
80) 1,3,5-Trimethylbenzene	12.94	105	470448	18.644	ug/l		98
81) trans-1,4-Dichloro-2-buten	12.51	75	32835	18.420	ug/l		95
82) 4-Chlorotoluene	12.99	91	407921	18.725	ug/l		97
83) tert-Butylbenzene	13.21	119	423292	18.851	ug/l		98
84) 1,2,4-Trimethylbenzene	13.26	105	485762	18.940	ug/l		100
85) sec-Butylbenzene	13.38	105	606321	18.907	ug/l		99
86) p-Isopropyltoluene	13.50	119	546827	19.467	ug/l		98
87) 1,3-Dichlorobenzene	13.50	146	264774	19.885	ug/l		99
88) 1,4-Dichlorobenzene	13.58	146	260768	19.706	ug/l		99
89) n-Butylbenzene	13.83	91	515430	18.688	ug/l		98
90) Hexachloroethane	14.10	117	103995	18.931	ug/l		99
91) 1,2-Dichlorobenzene	13.87	146	234742	19.924	ug/l		99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18902	20.843	ug/l		93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020619\

Quantitation Report (Not Reviewed)

Data File : VW008520.D
Acq On : 06 Feb 2019 11:53
Operator : SY/VA
Sample : VW0206SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VW0206SBSD01

Quant Time: Feb 07 01:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	178451	21.225	ug/l	99
94) Hexachlorobutadiene	15.24	225	103316	20.390	ug/l	99
95) Naphthalene	15.37	128	316910	21.467	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	152986	21.451	ug/l	100

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

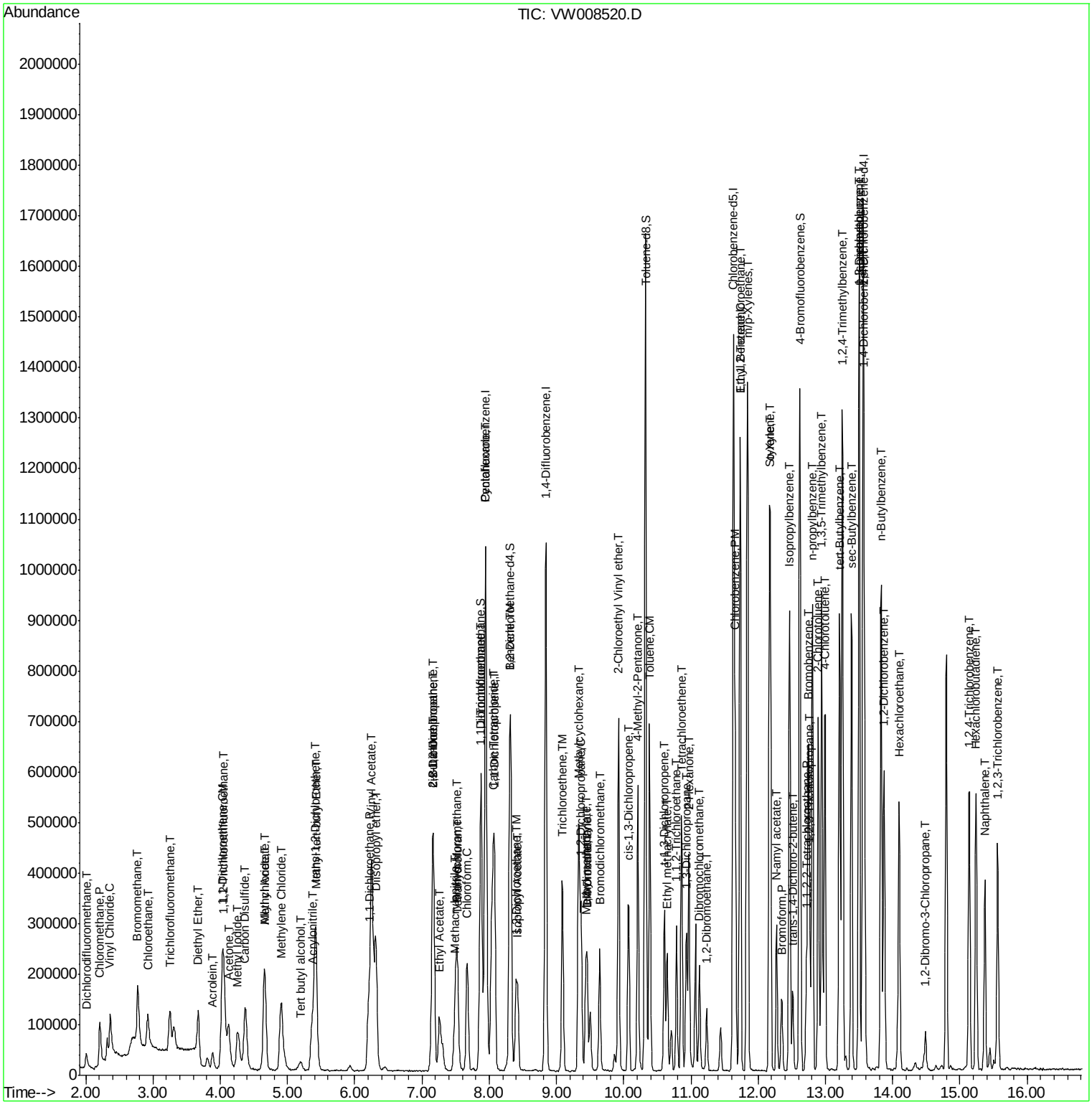
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020619\

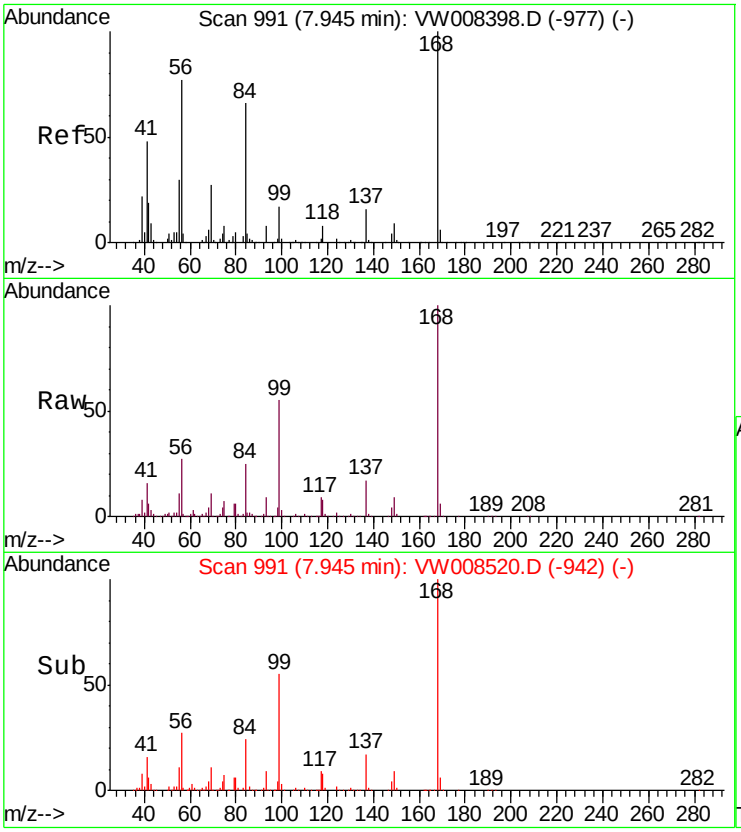
Quantitation Report (Not Reviewed)

Data File : VW008520.D
Acq On : 06 Feb 2019 11:53
Operator : SY/VA
Sample : VW0206SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Quant Time: Feb 07 01:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration



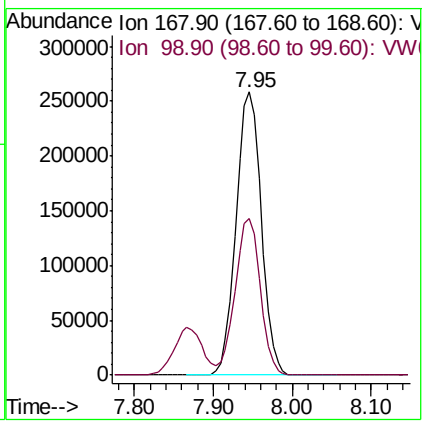


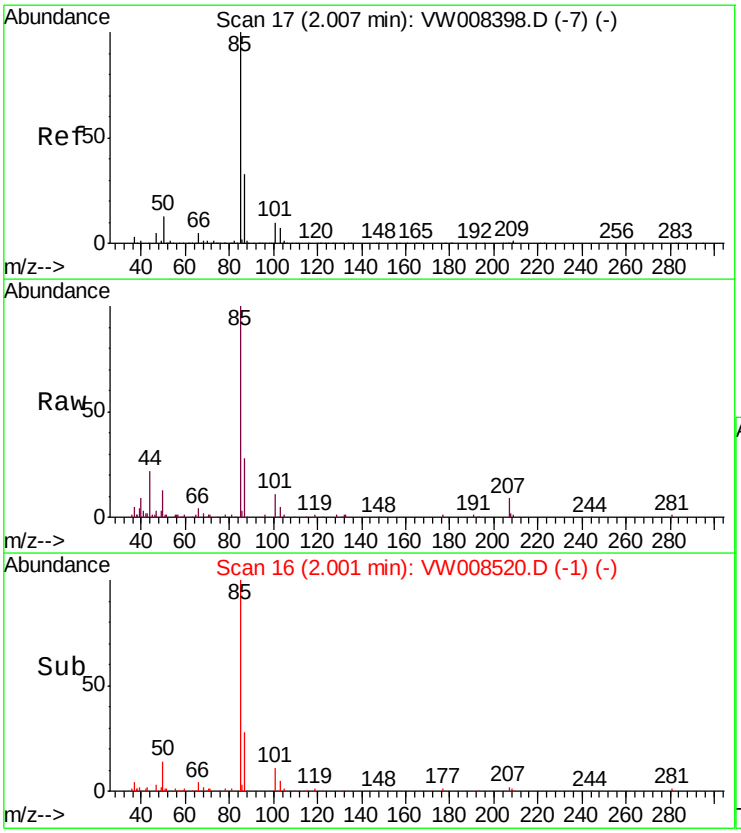
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion:168 Resp: 575631

Ion	Ratio	Lower	Upper
168	100		
99	55.4	45.5	68.3

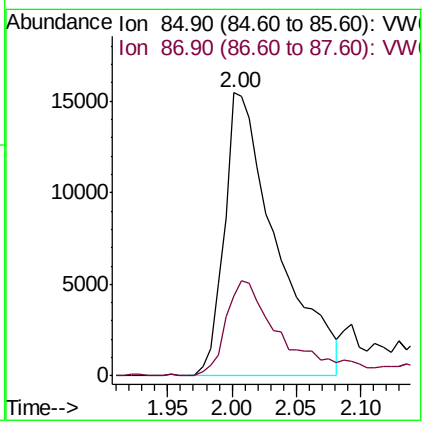


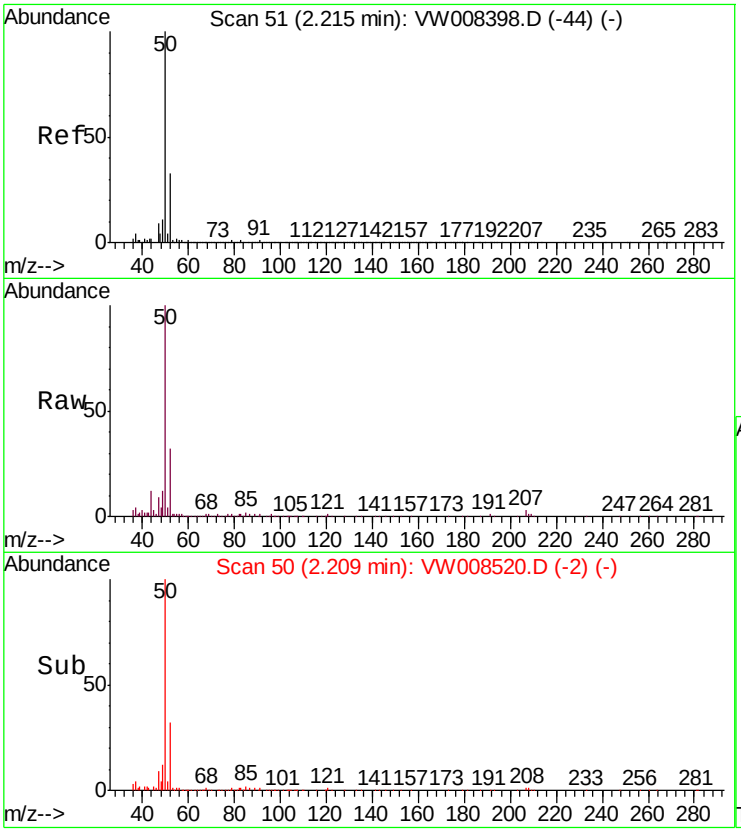


#2
Dichlorodifluoromethane
Concen: 15.563 ug/l
RT: 2.00 min Scan# 16
Delta R.T. -0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 85 Resp: 43801

Ion	Ratio	Lower	Upper
85	100		
87	28.1	16.7	50.1



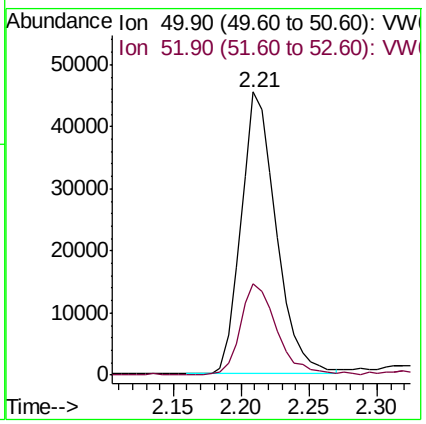


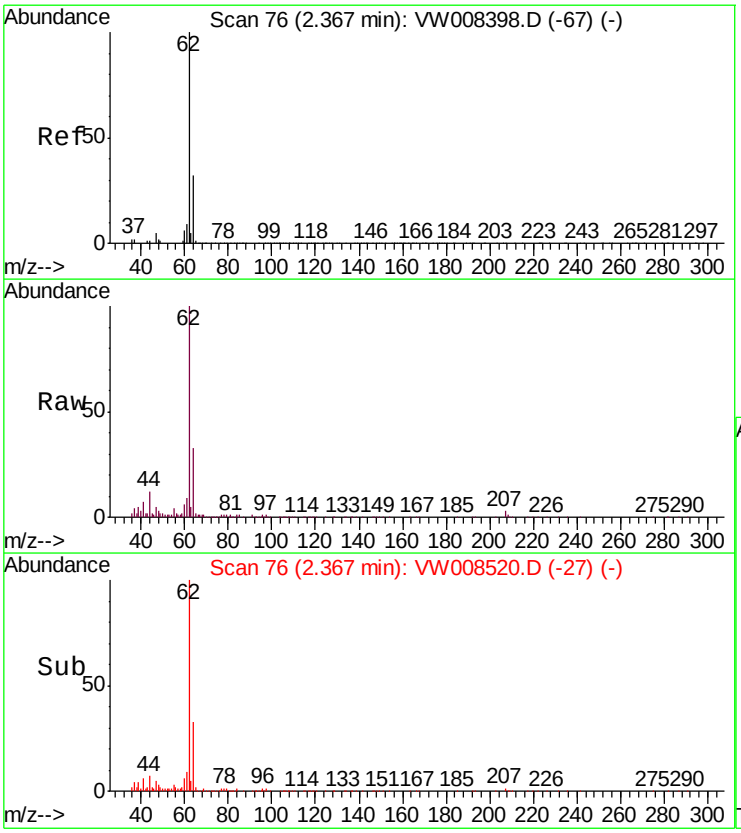
#3
Chloromethane
Concen: 17.450 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion: 50 Resp: 81995

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.3	39.5

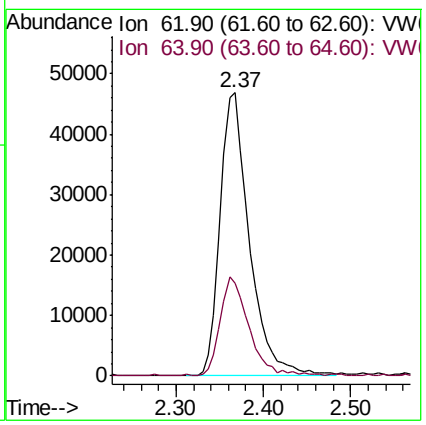


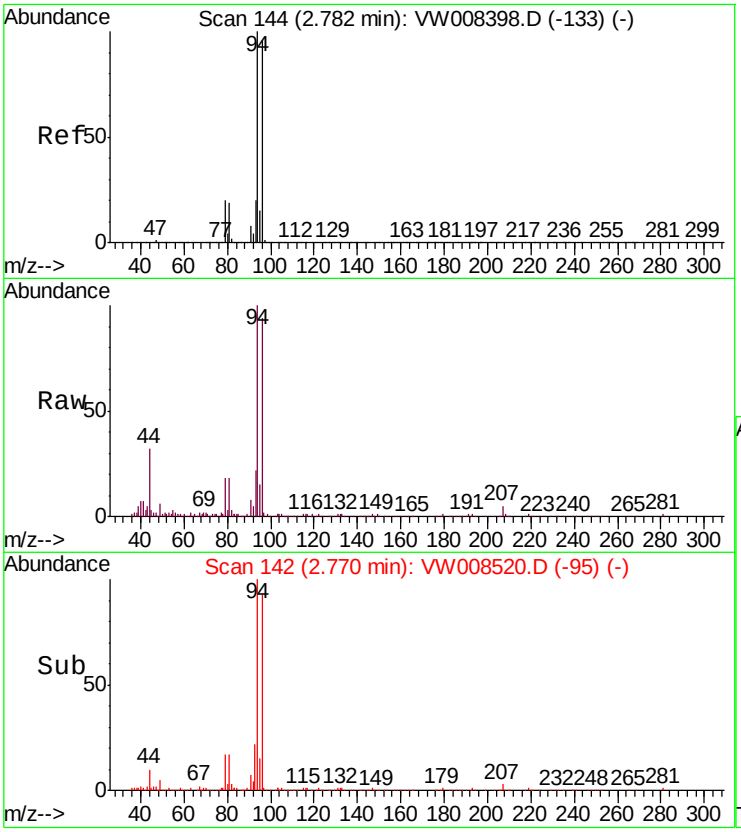


#4
Vinyl Chloride
Concen: 18.262 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 62 Resp: 109231

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.5	38.3



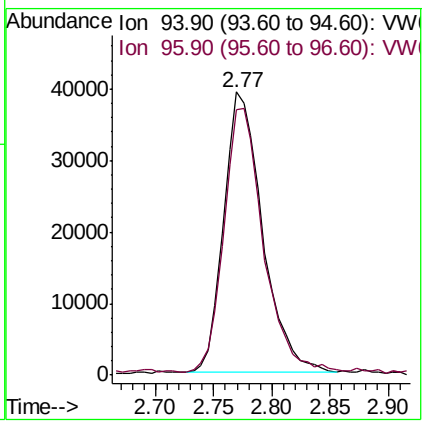


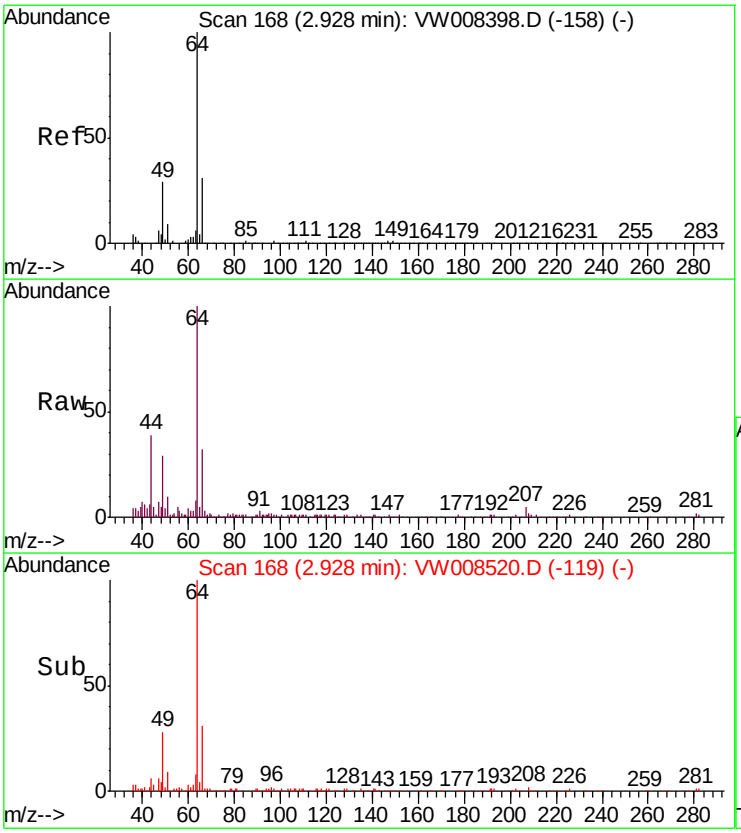
#5
Bromomethane
Concen: 23.649 ug/l
RT: 2.77 min Scan# 142
Delta R.T. -0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion: 94 Resp: 91239

Ion	Ratio	Lower	Upper
94	100		
96	93.6	77.2	115.8

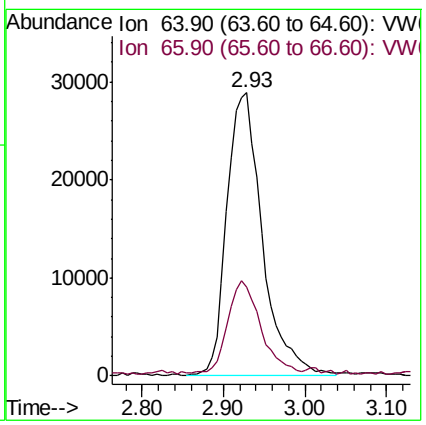


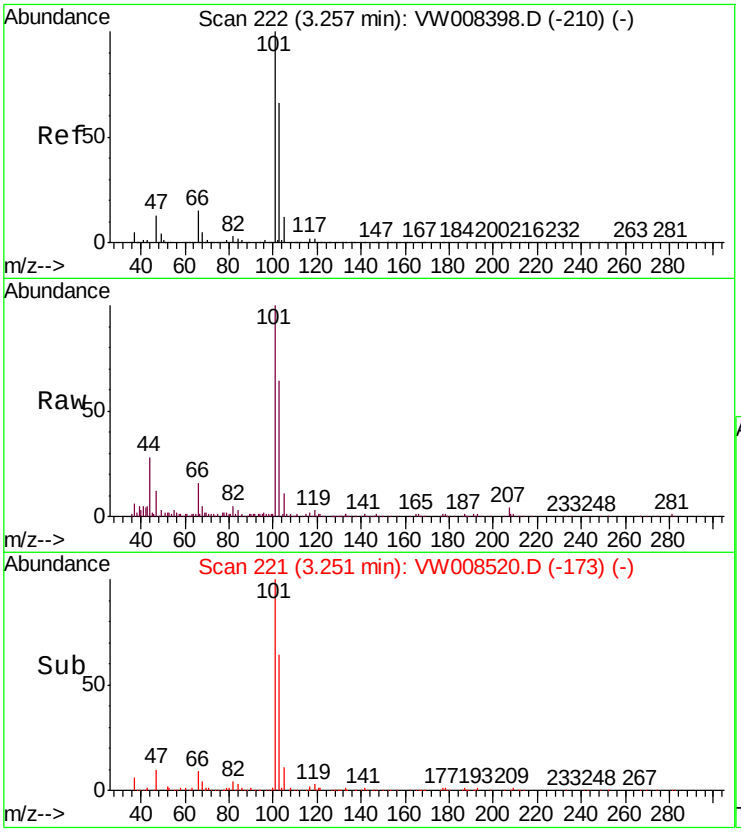


#6
Chloroethane
Concen: 23.853 ug/l
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 64 Resp: 87257

Ion	Ratio	Lower	Upper
64	100		
66	31.2	24.9	37.3



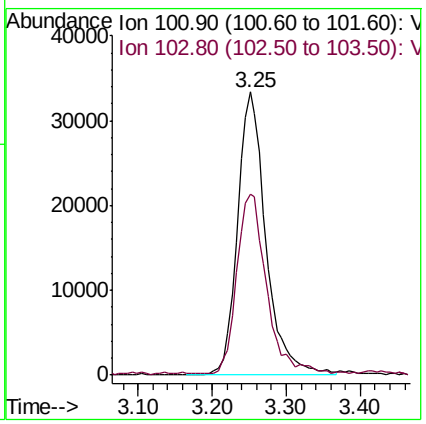


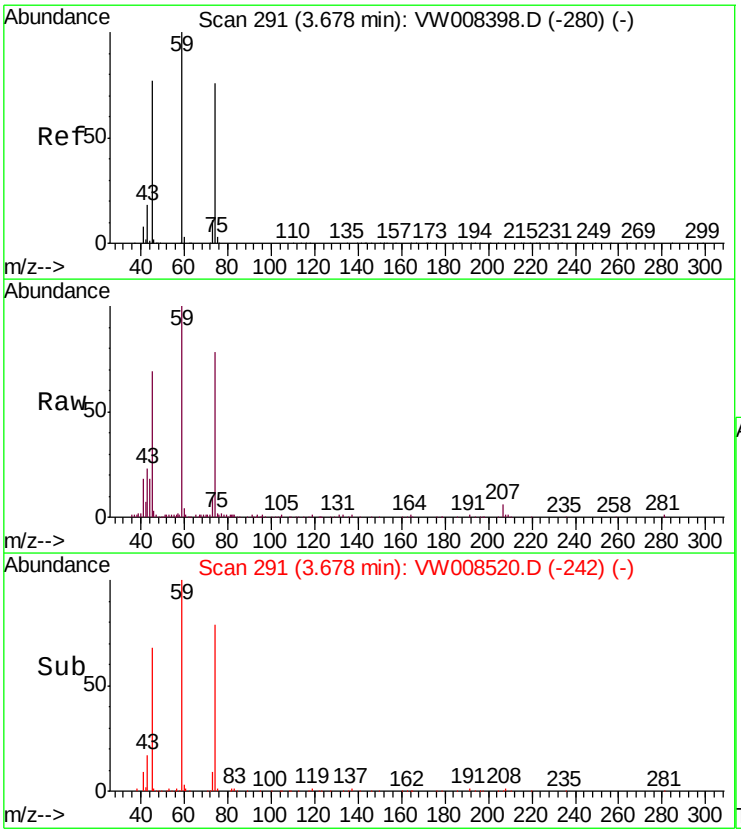
#7
Trichlorofluoromethane
Concen: 20.244 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion:101 Resp: 89167

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.5	78.7

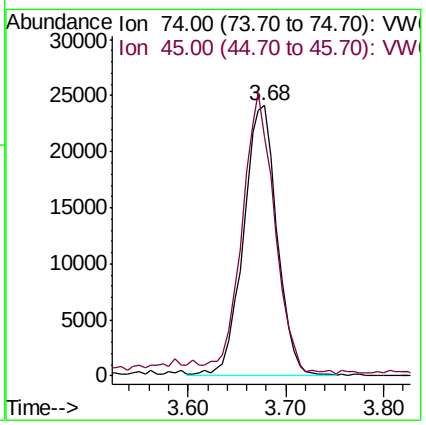


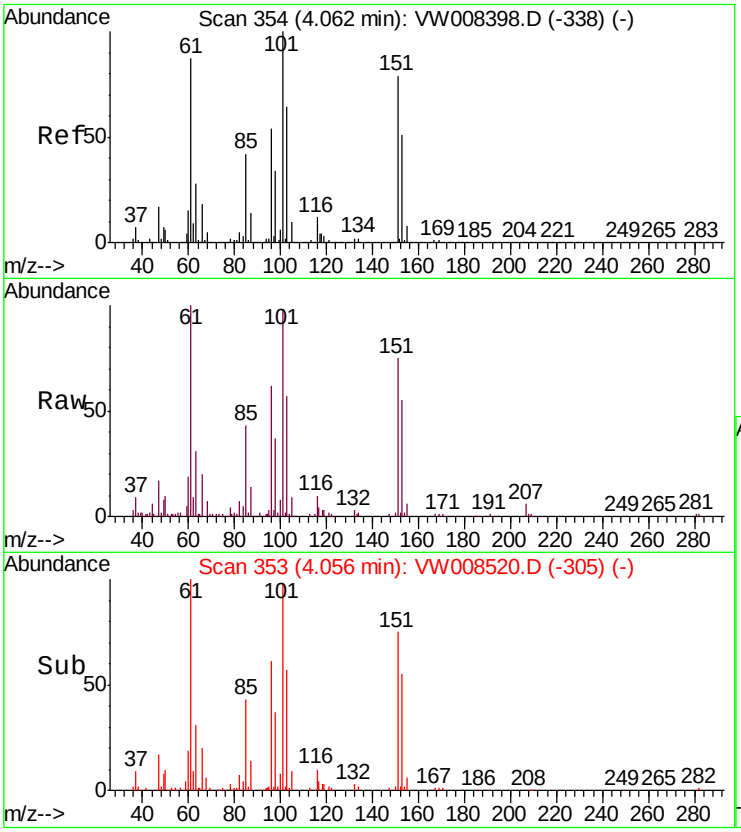


#8
Diethyl Ether
Concen: 19.801 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 74 Resp: 56841

Ion	Ratio	Lower	Upper
74	100		
45	103.4	51.7	155.2



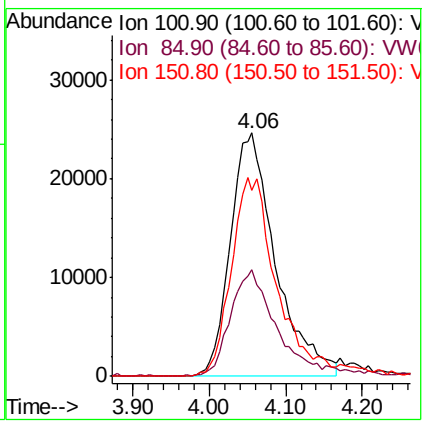


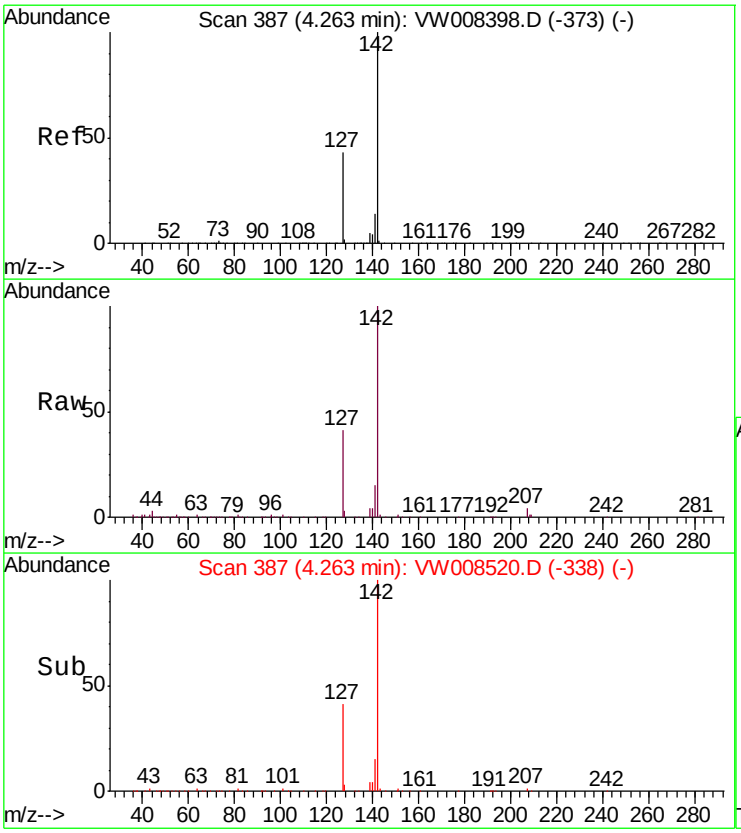
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.422 ug/l
RT: 4.06 min Scan# 353
Delta R.T. -0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion:101 Resp: 101115

Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.0	52.4
151	81.1	62.6	94.0

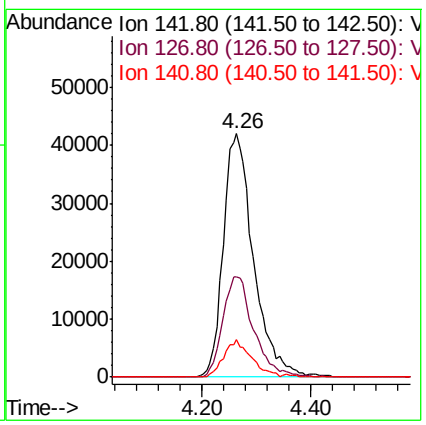


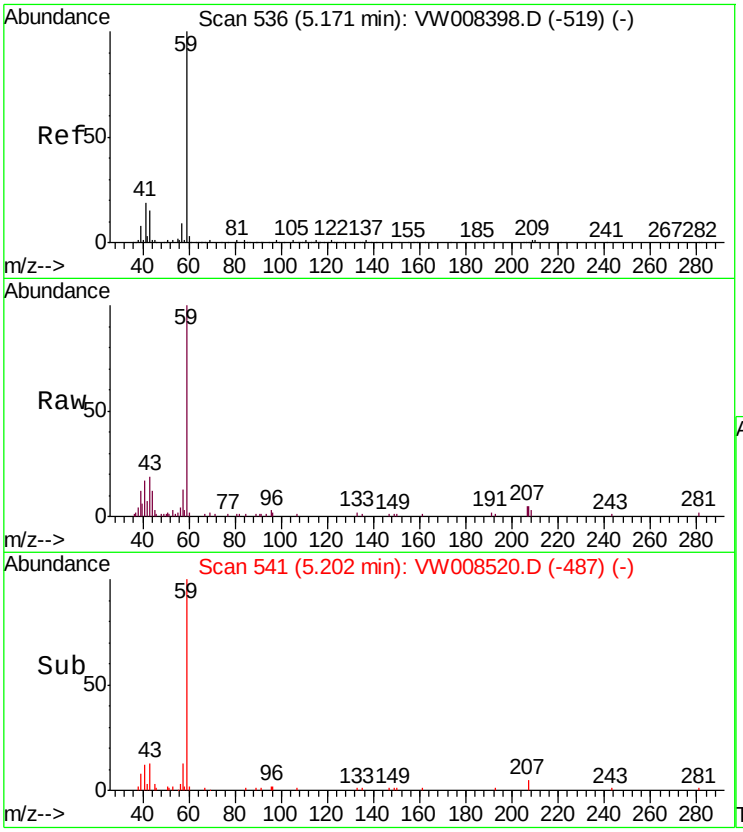


#10
Methyl Iodide
Concen: 19.757 ug/l
RT: 4.26 min Scan# 387
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion:142 Resp: 162472

Ion	Ratio	Lower	Upper
142	100		
127	42.1	34.6	52.0
141	13.9	11.4	17.2



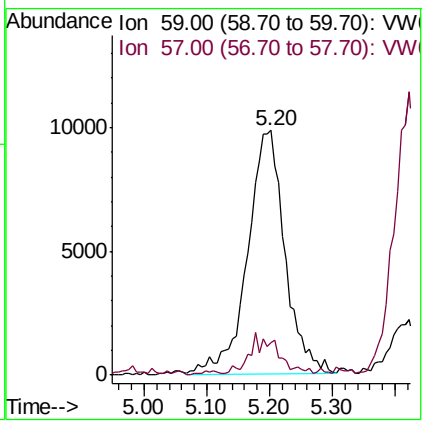


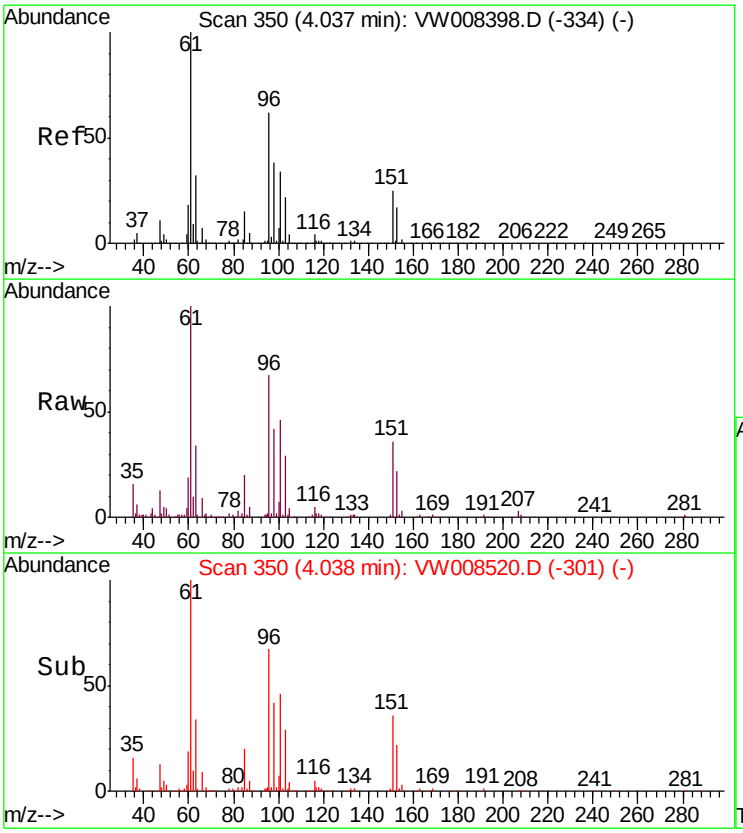
#11
Tert butyl alcohol
Concen: 89.516 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.03 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument : MSVOA_W
ClientSampleId : VW0206SBSD01

Tgt Ion: 59 Resp: 40756

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

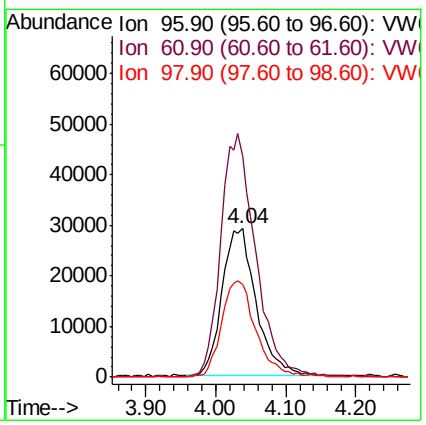


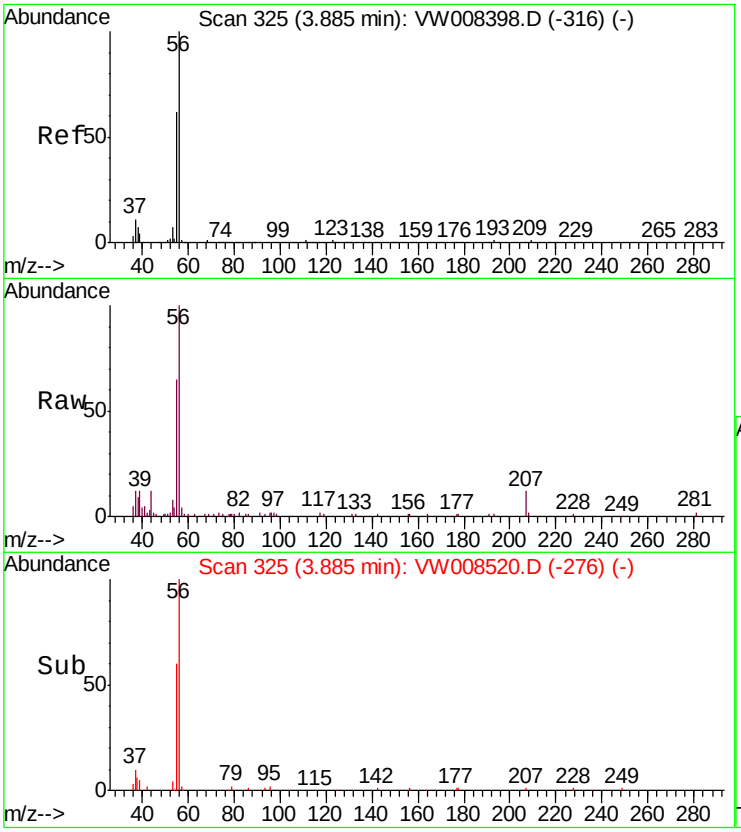


#12
1,1-Dichloroethene
Concen: 18.725 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 96 Resp: 98659

Ion	Ratio	Lower	Upper
96	100		
61	149.4	129.5	194.3
98	62.3	48.6	73.0



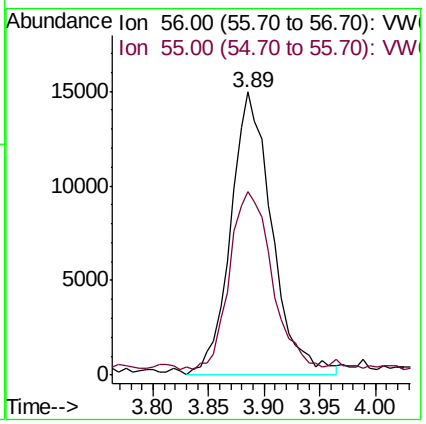


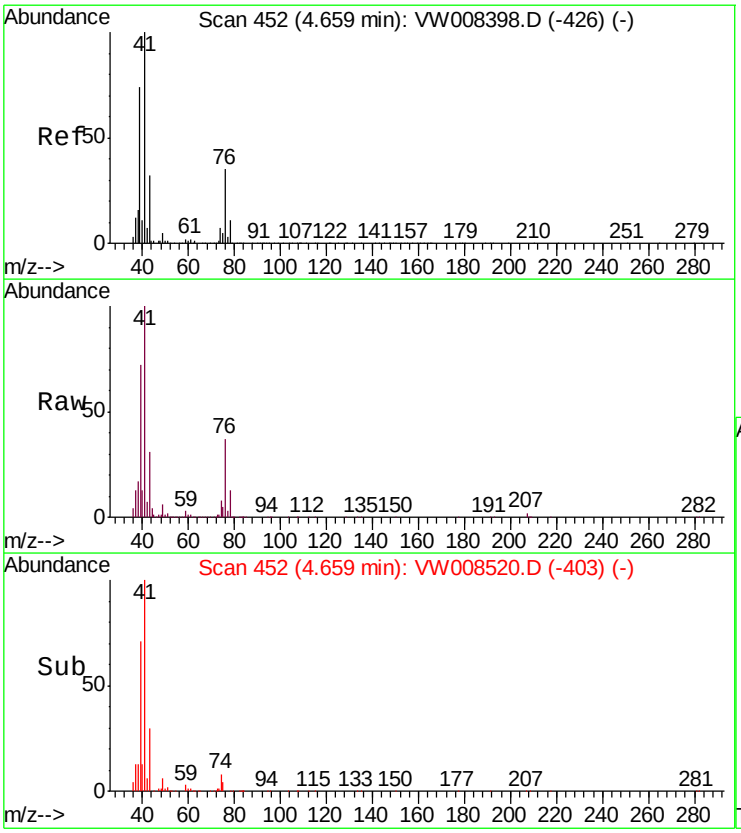
#13
Acrolein
Concen: 98.727 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument : MSVOA_W
ClientSampleId : VW0206SBSD01

Tgt Ion: 56 Resp: 38624

Ion	Ratio	Lower	Upper
56	100		
55	64.8	56.7	85.1

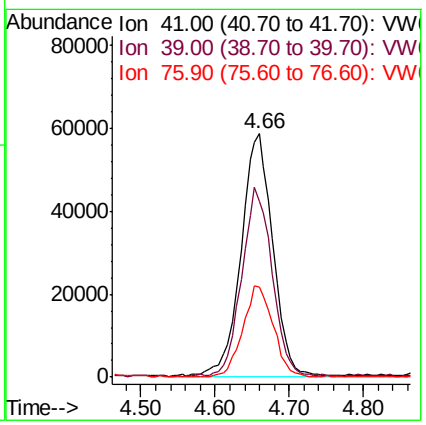


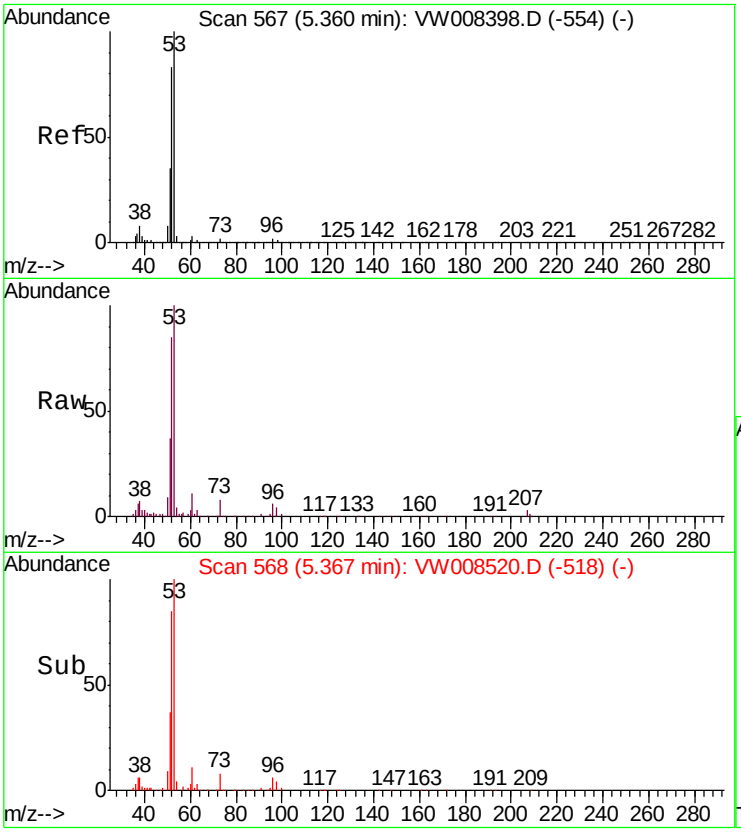


#14
Allyl chloride
Concen: 17.436 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 41 Resp: 174448

Ion	Ratio	Lower	Upper
41	100		
39	74.5	57.7	86.5
76	36.4	26.9	40.3



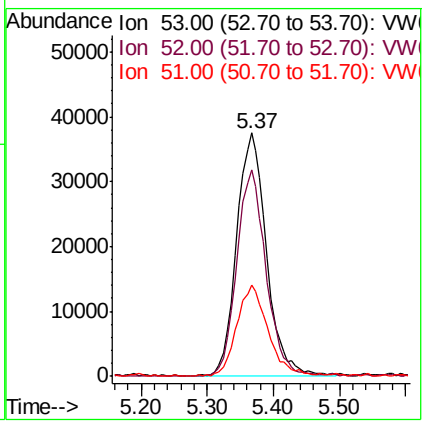


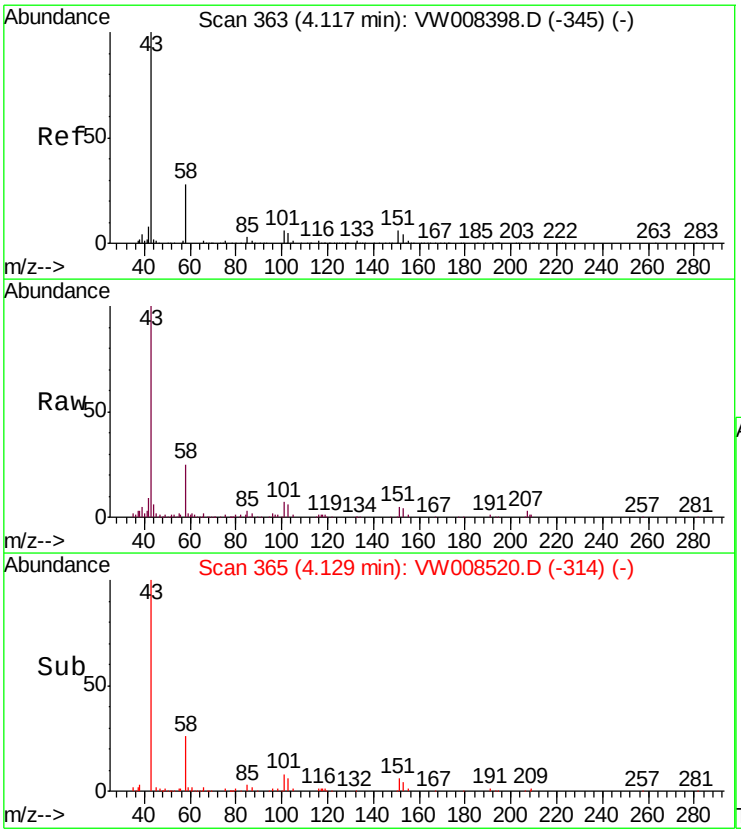
#15
Acrylonitrile
Concen: 95.422 ug/l
RT: 5.37 min Scan# 568
Delta R.T. 0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion: 53 Resp: 118283

Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.4
51	38.3	29.8	44.8

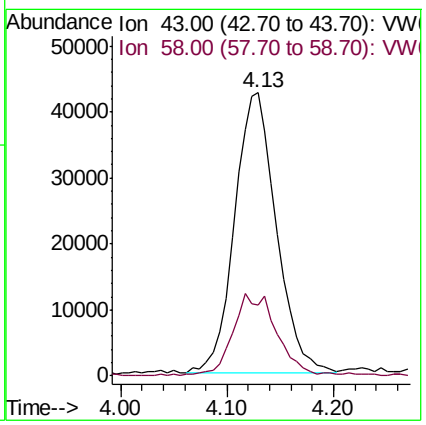


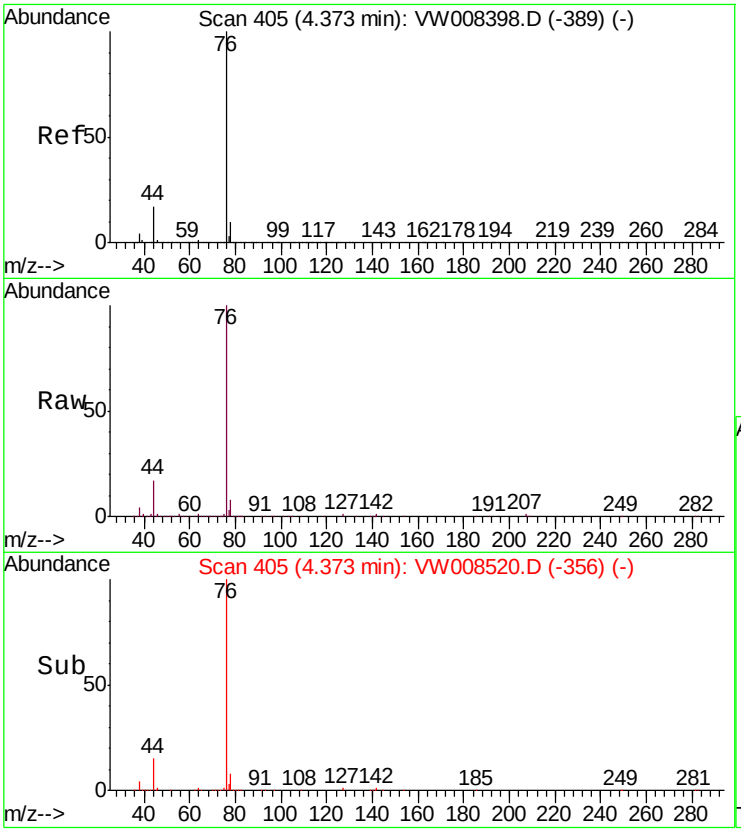


#16
Acetone
Concen: 91.236 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 43 Resp: 115863

Ion	Ratio	Lower	Upper
43	100		
58	25.1	22.6	34.0



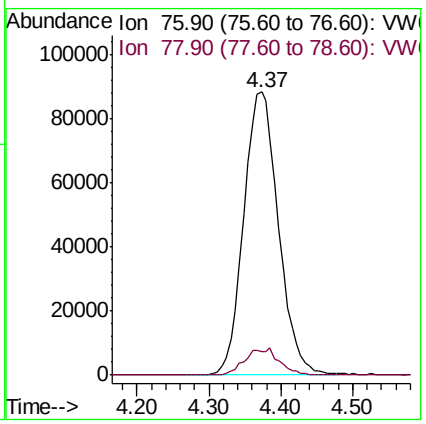


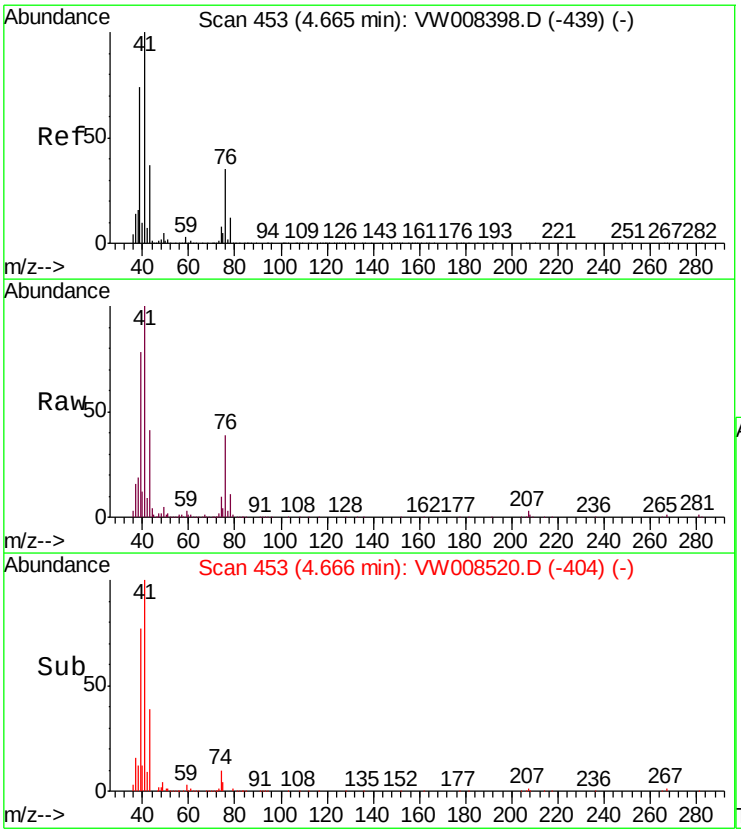
#17
Carbon Disulfide
Concen: 17.566 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion: 76 Resp: 295600

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.7	11.5

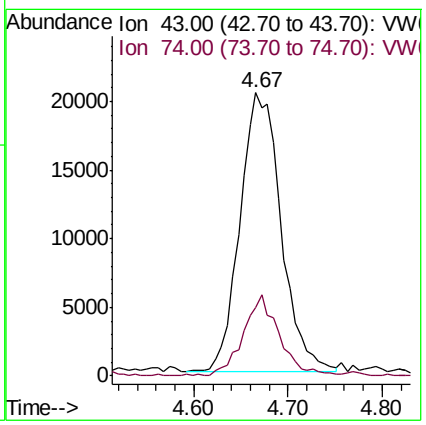


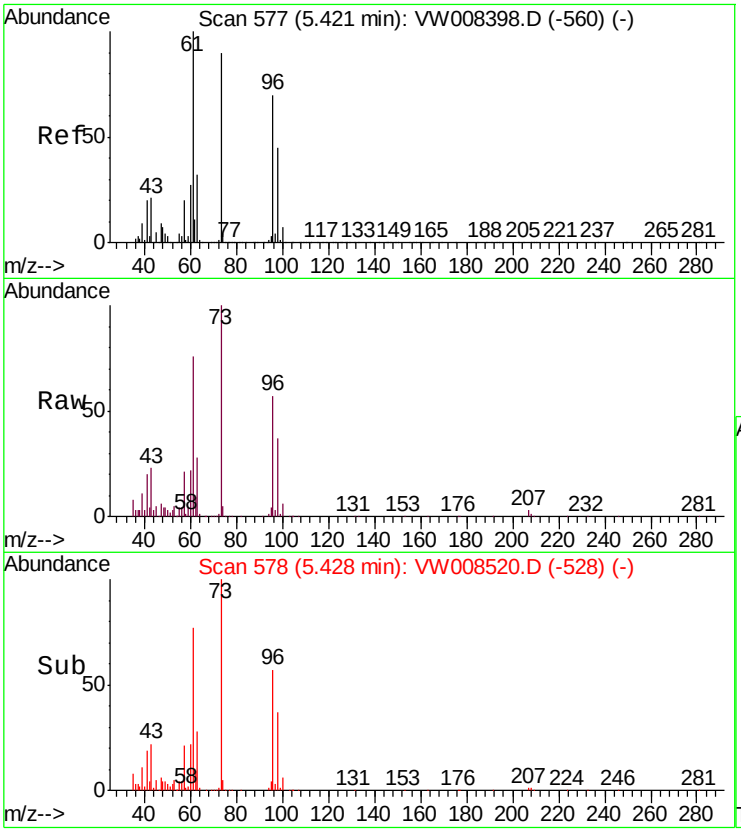


#18
Methyl Acetate
Concen: 18.267 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 43 Resp: 61872

Ion	Ratio	Lower	Upper
43	100		
74	25.4	17.5	26.3



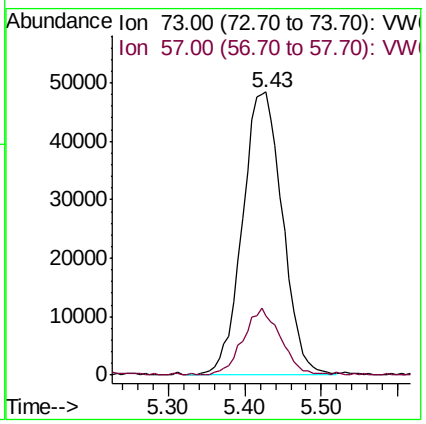


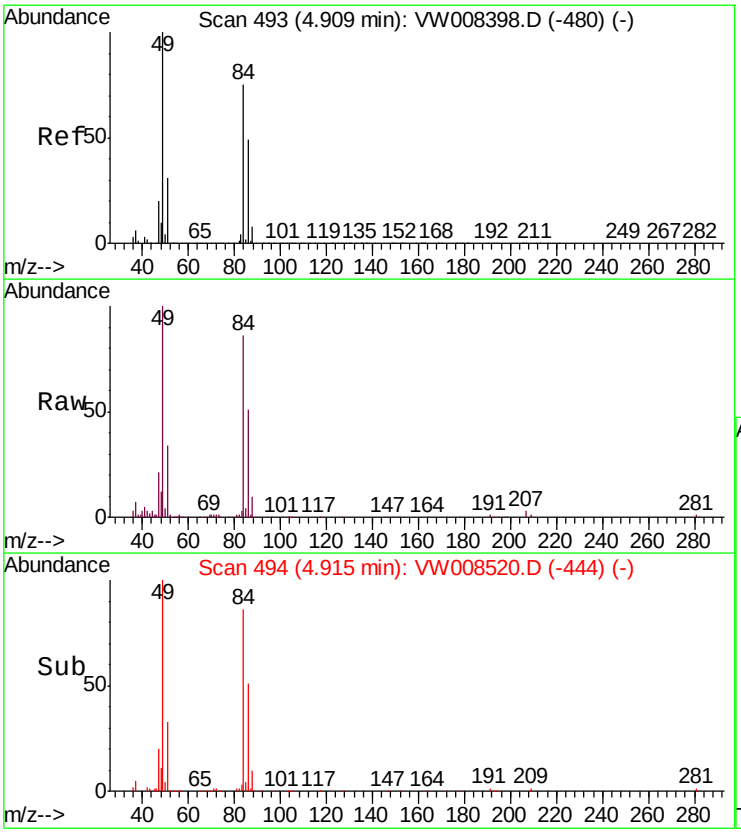
#19
Methyl tert-butyl Ether
Concen: 19.990 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0206SBSD01

Tgt Ion: 73 Resp: 174264

Ion	Ratio	Lower	Upper
73	100		
57	20.6	18.0	27.0

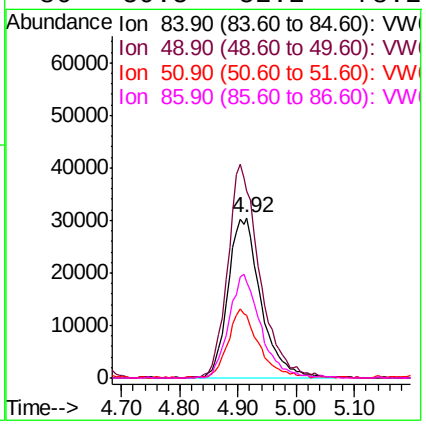


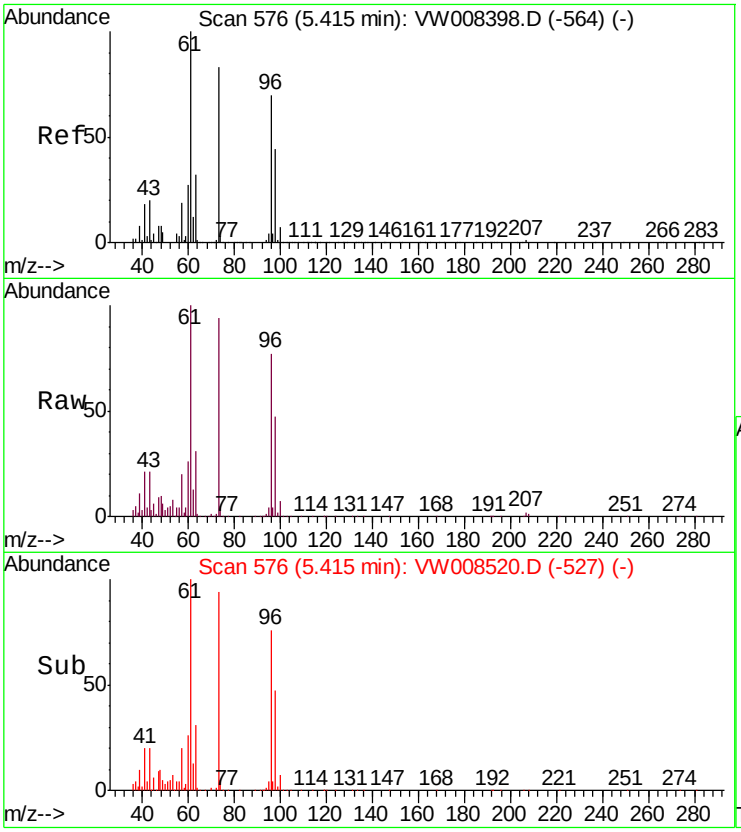


#20
Methylene Chloride
Concen: 20.397 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 84 Resp: 119388

Ion	Ratio	Lower	Upper
84	100		
49	116.1	106.8	160.2
51	38.6	32.9	49.3
86	59.5	52.2	78.2



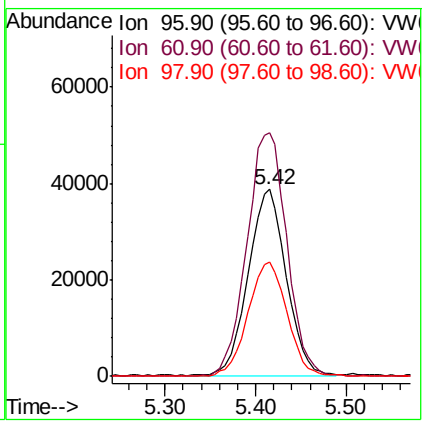


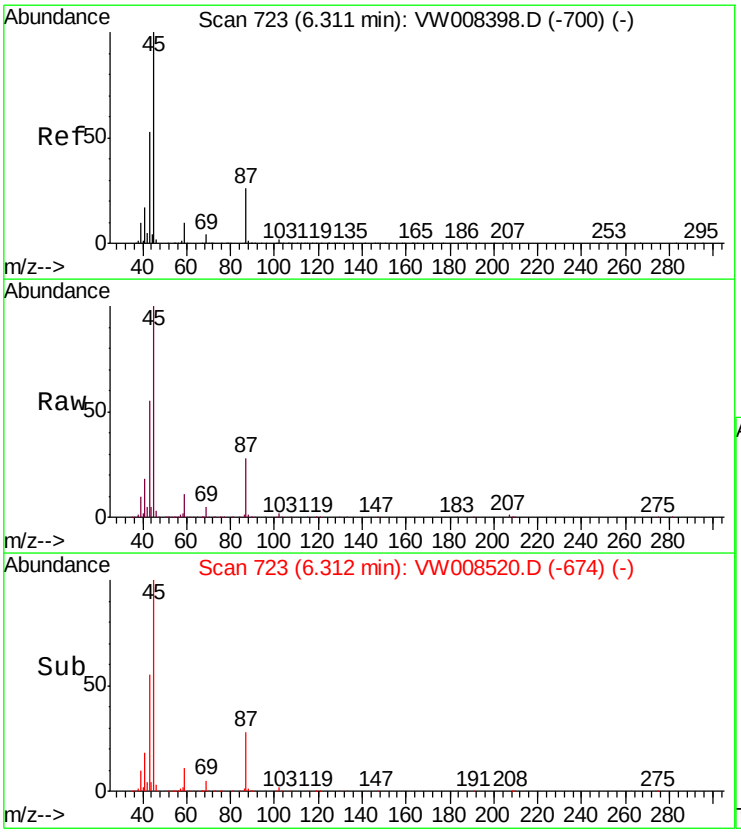
#21
trans-1,2-Dichloroethene
Concen: 18.901 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Instrument : MSVOA_W
ClientSampleId : VW0206SBSD01

Tgt Ion: 96 Resp: 111961

Ion	Ratio	Lower	Upper
96	100		
61	130.8	114.4	171.6
98	61.7	50.6	75.8





#22
Diisopropyl ether
Concen: 18.010 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW008520.D
Acq: 06 Feb 2019 11:53

Tgt Ion: 45 Resp: 341499

Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.6	63.8
87	27.3	20.3	30.5
59	11.1	8.4	12.6