Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020119\

Quantitation Report (Not Reviewed)

Data File : VX007325.D
Acq On : 01 Feb 2019 09:36
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC001

Quant Time: Feb 02 00:15:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 00:12:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.66	168	628581	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	6.86	114	921986	50.00	ug/l		0.00
63) Chlorobenzene-d5	10.11	117	836342	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	431135	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	6.06	65	9965	1.49	ug/l		0.00
Spiked Amount 50.000			Recovery = 2.98%				
35) Dibromofluoromethane	5.49	113	8136	1.36	ug/l		-0.01
Spiked Amount 50.000			Recovery = 2.72%				
50) Toluene-d8	8.71	98	25378	1.14	ug/l		0.00
Spiked Amount 50.000			Recovery = 2.28%				
62) 4-Bromofluorobenzene	11.13	95	8996	1.11	ug/l		0.00
Spiked Amount 50.000			Recovery = 2.22%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	5615	0.801	ug/l		94
3) Chloromethane	1.33	50	7660	1.082	ug/l		95
4) Vinyl Chloride	1.42	62	8551	1.231	ug/l		92
5) Bromomethane	1.64	94	9060	1.146	ug/l		91
6) Chloroethane	1.73	64	5731	1.275	ug/l		97
7) Trichlorofluoromethane	1.93	101	13485	1.241	ug/l		84
8) Diethyl Ether	2.19	74	5881	1.438	ug/l		92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	8621	1.334	ug/l		97
10) Methyl Iodide	2.51	142	10571	1.112	ug/l		94
11) Tert butyl alcohol	3.05	59	10930	7.916	ug/l	#	84
12) 1,1-Dichloroethene	2.39	96	8006	1.334	ug/l	#	76
13) Acrolein	2.30	56	2911	4.496	ug/l		92
14) Allyl chloride	2.73	41	11694	1.196	ug/l		92
15) Acrylonitrile	3.14	53	21166	6.197	ug/l		98
16) Acetone	2.45	43	20108	6.579	ug/l		95
17) Carbon Disulfide	2.57	76	16945	1.070	ug/l		99
18) Methyl Acetate	2.78	43	13047	1.509	ug/l		91
19) Methyl tert-butyl Ether	3.20	73	24753	1.273	ug/l		94
20) Methylene Chloride	2.86	84	10558	1.528	ug/l		95
21) trans-1,2-Dichloroethene	3.17	96	8635	1.351	ug/l		89
22) Diisopropyl ether	3.87	45	23647	1.315	ug/l		96
23) Vinyl Acetate	3.82	43	95009	6.365	ug/l		98
24) 1,1-Dichloroethane	3.70	63	14499	1.404	ug/l		96
25) 2-Butanone	4.70	43	25432	5.847	ug/l		94
26) 2,2-Dichloropropane	4.59	77	10734	1.364	ug/l		91
27) cis-1,2-Dichloroethene	4.60	96	9116	1.305	ug/l		98
28) Bromochloromethane	5.02	49	5289	1.113	ug/l		97
29) Tetrahydrofuran	5.15	42	17006	6.217	ug/l		94
30) Chloroform	5.21	83	14349	1.331	ug/l		88
31) Cyclohexane	5.57	56	12131	1.308	ug/l	#	84
32) 1,1,1-Trichloroethane	5.50	97	11631	1.278	ug/l	#	45
36) 1,1-Dichloropropene	5.81	75	10281	1.243	ug/l	#	86
37) Ethyl Acetate	4.84	43	9807	1.173	ug/l	#	89
38) Carbon Tetrachloride	5.78	117	9753	1.215	ug/l		85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020119\

Quantitation Report (Not Reviewed)

Data File : VX007325.D
Acq On : 01 Feb 2019 09:36
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC001

Quant Time: Feb 02 00:15:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 00:12:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
39) Methylcyclohexane	7.46	83	13180	1.317 ug/l		95
40) Benzene	6.14	78	31504	1.293 ug/l	#	86
41) Methacrylonitrile	5.05	41	5957	1.303 ug/l	#	85
42) 1,2-Dichloroethane	6.20	62	10793	1.280 ug/l		88
43) Isopropyl Acetate	6.45	43	15303	1.186 ug/l	#	90
44) Trichloroethene	7.21	130	9988	1.361 ug/l		92
45) 1,2-Dichloropropane	7.51	63	7634	1.250 ug/l	#	89
46) Dibromomethane	7.66	93	5913	1.333 ug/l		98
47) Bromodichloromethane	7.90	83	9381	1.247 ug/l		87
48) Methyl methacrylate	7.77	41	8012	1.241 ug/l		99
49) 1,4-Dioxane	7.75	88	4052	25.218 ug/l	#	76
51) 4-Methyl-2-Pentanone	8.65	43	48815	5.745 ug/l		99
52) Toluene	8.78	92	19443	1.237 ug/l		92
53) t-1,3-Dichloropropene	9.04	75	7851	0.972 ug/l		97
54) cis-1,3-Dichloropropene	8.43	75	9541	1.074 ug/l		97
55) 1,1,2-Trichloroethane	9.21	97	8176	1.248 ug/l		93
56) Ethyl methacrylate	9.18	69	10400	1.146 ug/l		97
57) 1,3-Dichloropropane	9.37	76	14068	1.350 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.31	63	28906	6.042 ug/l		99
59) 2-Hexanone	9.49	43	37141	5.617 ug/l		96
60) Dibromochloromethane	9.58	129	7028	1.134 ug/l		99
61) 1,2-Dibromoethane	9.68	107	8352	1.203 ug/l		97
64) Tetrachloroethene	9.34	164	11655	1.479 ug/l		92
65) Chlorobenzene	10.13	112	24071	1.319 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.22	131	7359	1.203 ug/l	#	66
67) Ethyl Benzene	10.25	91	36351	1.237 ug/l		97
68) m/p-Xylenes	10.36	106	29724	2.544 ug/l		99
69) o-Xylene	10.69	106	13971	1.243 ug/l		98
70) Styrene	10.71	104	22020	1.208 ug/l		98
71) Bromoform	10.85	173	4733	1.000 ug/l	#	96
73) Isopropylbenzene	11.02	105	36786	1.256 ug/l		99
74) N-amyl acetate	10.90	43	12161	1.073 ug/l		92
75) 1,1,2,2-Tetrachloroethane	11.27	83	11185	1.253 ug/l		98
76) 1,2,3-Trichloropropane	11.29	75	12511	1.431 ug/l		79
77) Bromobenzene	11.26	156	10710	1.297 ug/l		98
78) n-propylbenzene	11.36	91	39094	1.217 ug/l		98
79) 2-Chlorotoluene	11.42	91	24009	1.232 ug/l		98
80) 1,3,5-Trimethylbenzene	11.51	105	28669	1.196 ug/l		98
81) trans-1,4-Dichloro-2-buten	11.07	75	2225	0.921 ug/l	#	64
82) 4-Chlorotoluene	11.51	91	27891	1.236 ug/l		95
83) tert-Butylbenzene	11.77	119	29577	1.246 ug/l		97
84) 1,2,4-Trimethylbenzene	11.80	105	29080	1.195 ug/l		97
85) sec-Butylbenzene	11.94	105	34989	1.218 ug/l		99
86) p-Isopropyltoluene	12.06	119	30352	1.171 ug/l		93
87) 1,3-Dichlorobenzene	12.02	146	19463	1.314 ug/l		98
88) 1,4-Dichlorobenzene	12.02	146	19463	1.296 ug/l		98
89) n-Butylbenzene	12.38	91	26240	1.176 ug/l		98
90) Hexachloroethane	12.59	117	4623	1.191 ug/l		95
91) 1,2-Dichlorobenzene	12.39	146	20310	1.378 ug/l		99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2198	1.184 ug/l		84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020119\

Quantitation Report (Not Reviewed)

Data File : VX007325.D
Acq On : 01 Feb 2019 09:36
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC001

Quant Time: Feb 02 00:15:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 00:12:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	11698	1.177	ug/l	97
94) Hexachlorobutadiene	13.79	225	5544	1.148	ug/l	87
95) Naphthalene	13.83	128	29782	1.024	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	11910	1.190	ug/l	98

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

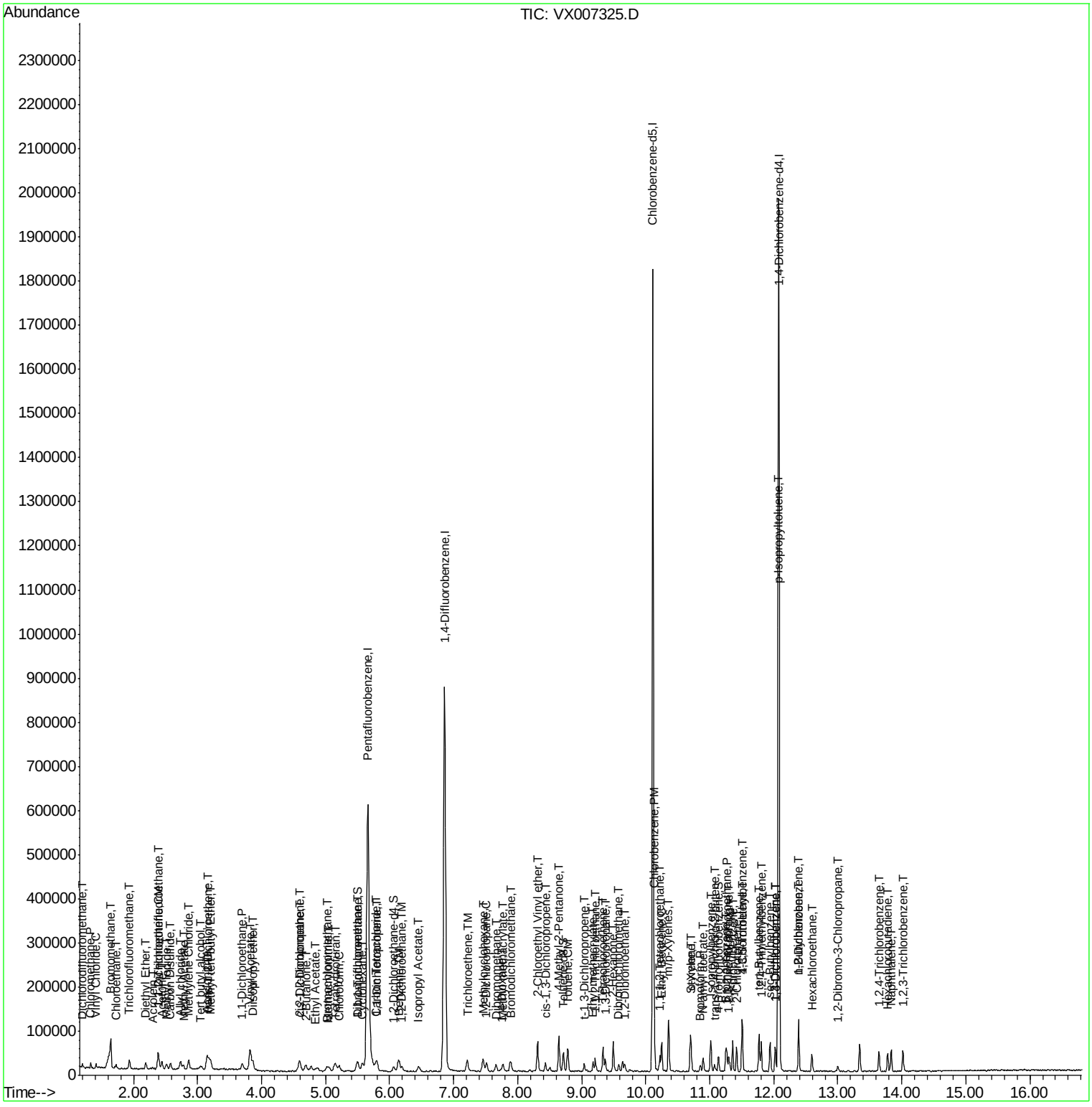
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020119\

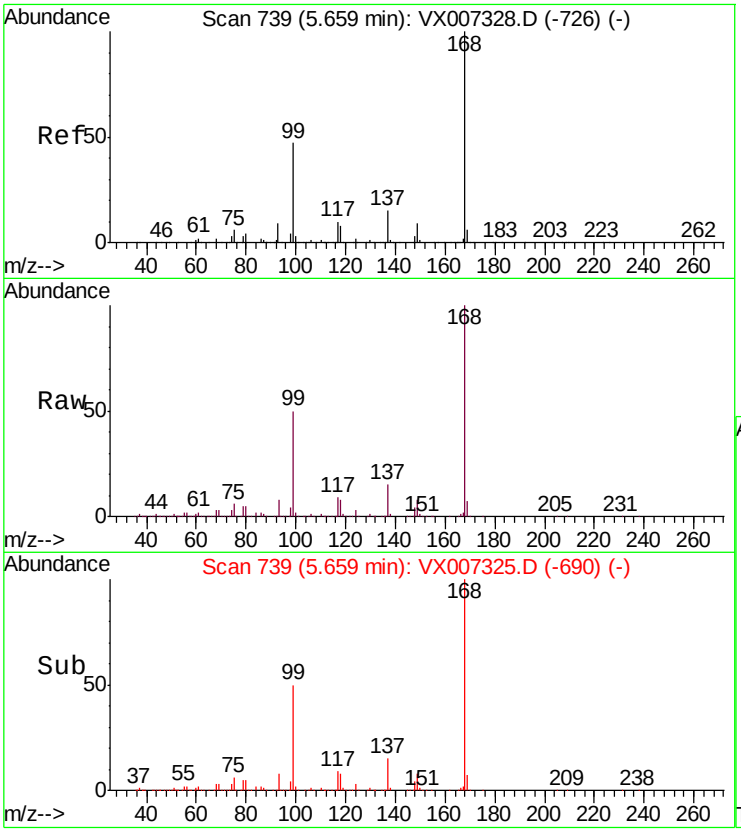
Quantitation Report (Not Reviewed)

Data File : VX007325.D
Acq On : 01 Feb 2019 09:36
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 02 00:15:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 00:12:21 2019
Response via : Initial Calibration



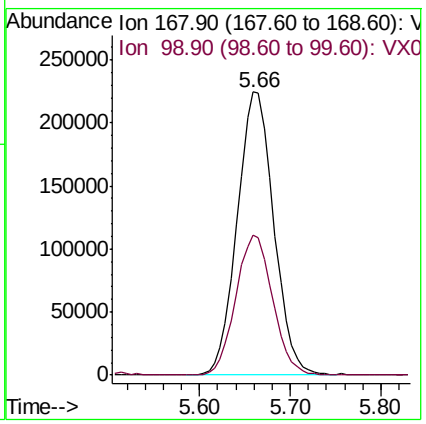


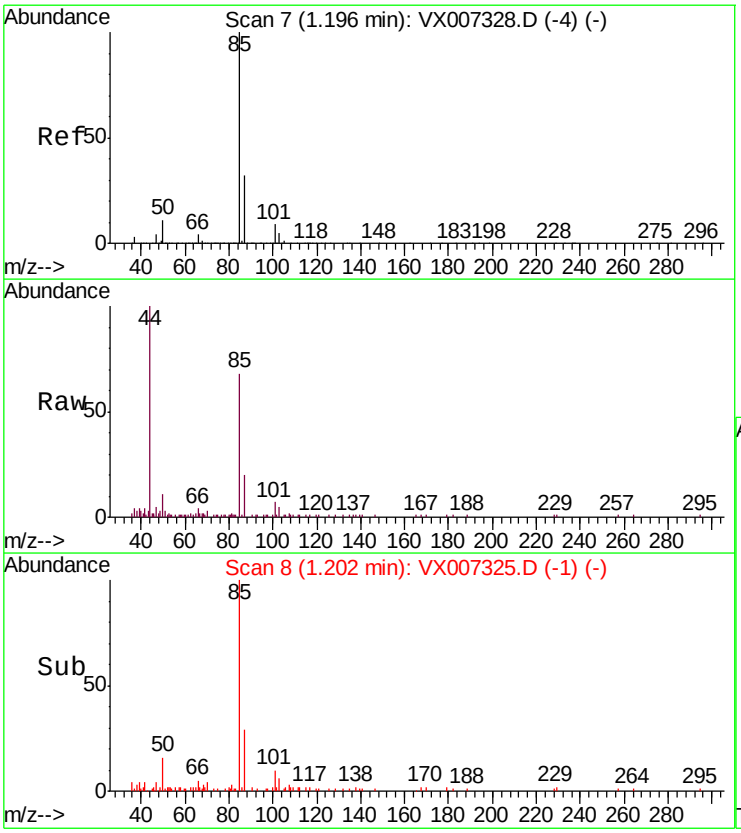
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 628581

Ion	Ratio	Lower	Upper
168	100		
99	49.5	37.9	56.9

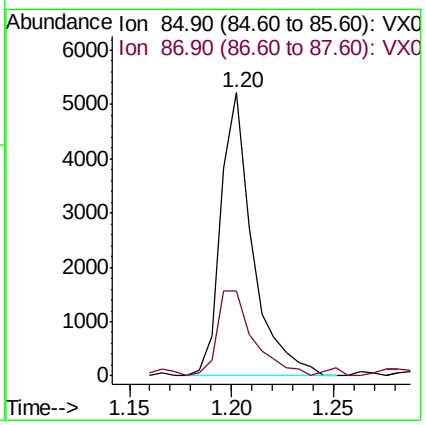


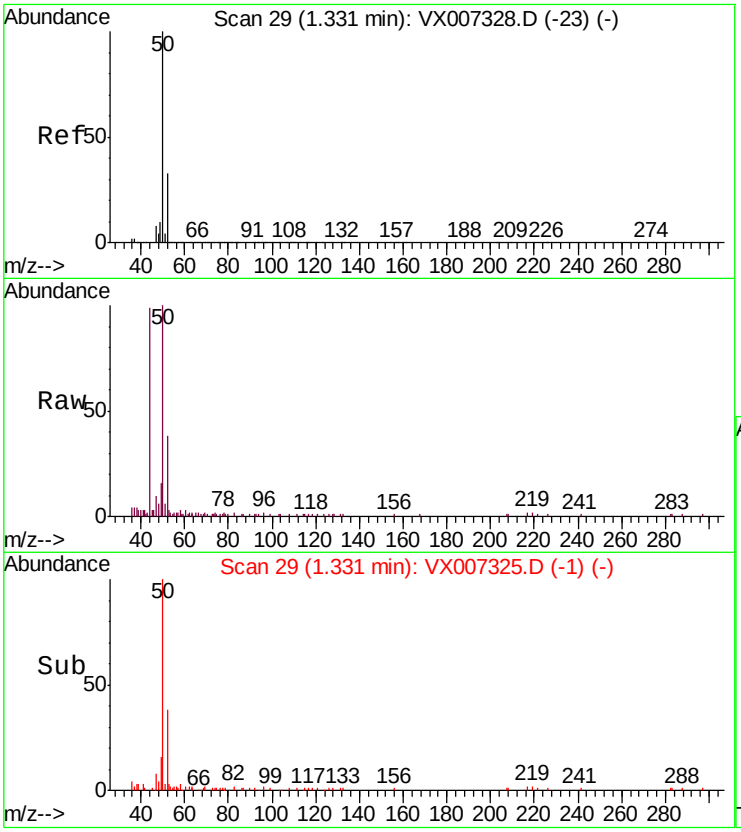


#2
Dichlorodifluoromethane
Concen: 0.801 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 85 Resp: 5615

Ion	Ratio	Lower	Upper
85	100		
87	28.4	15.8	47.4



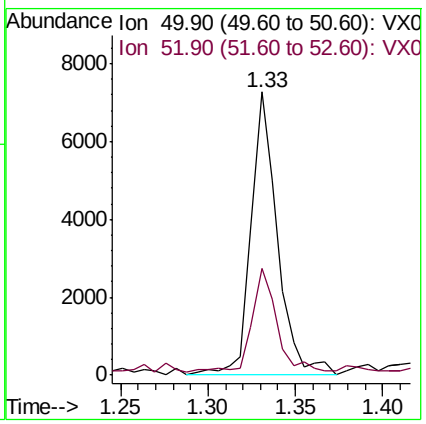


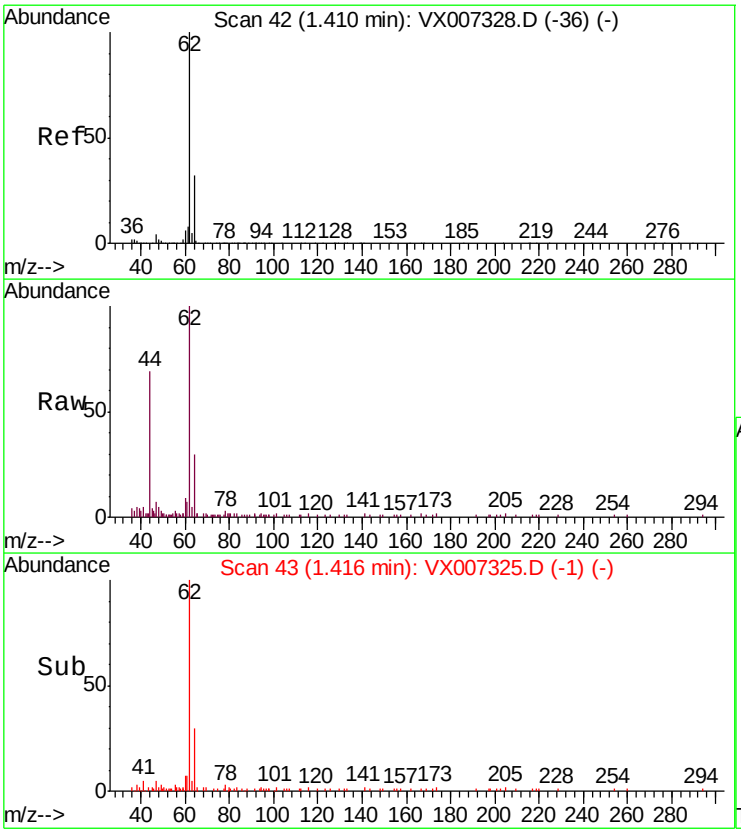
#3
Chloromethane
Concen: 1.082 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 7660

Ion	Ratio	Lower	Upper
50	100		
52	35.2	26.1	39.1

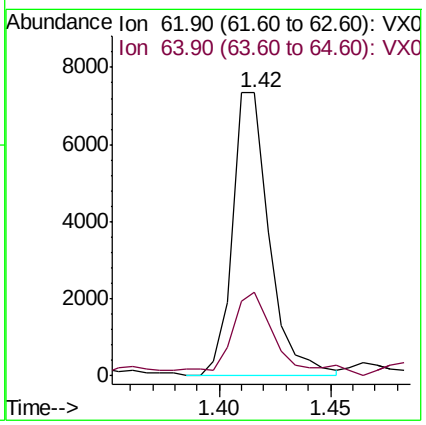


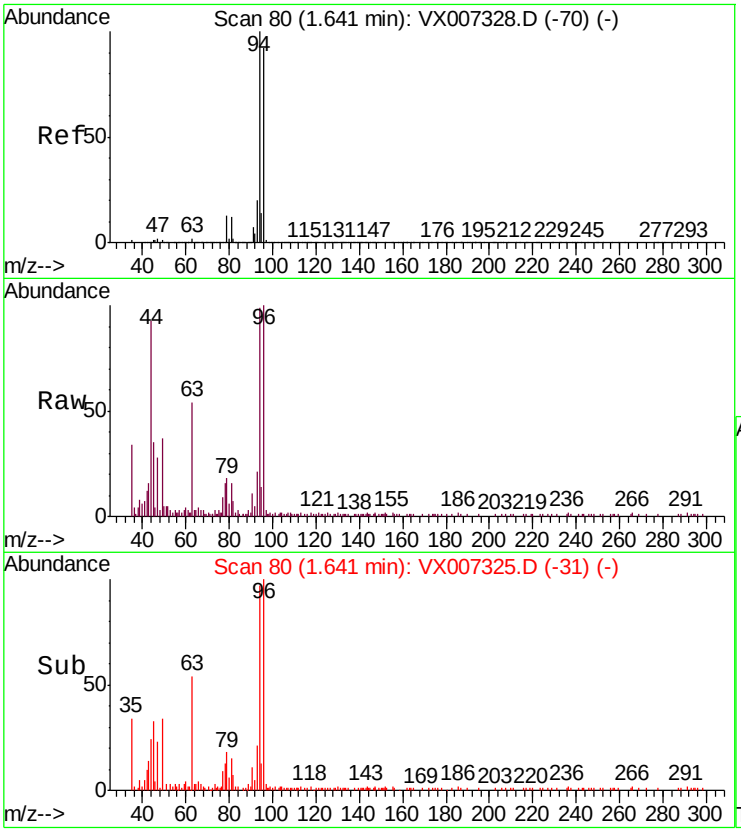


#4
Vinyl Chloride
Concen: 1.231 ug/l
RT: 1.42 min Scan# 43
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 62 Resp: 8551

Ion	Ratio	Lower	Upper
62	100		
64	27.4	25.4	38.0



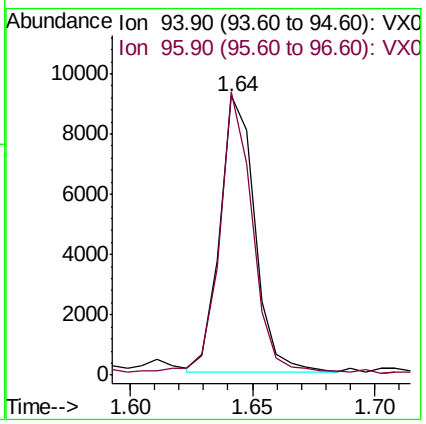


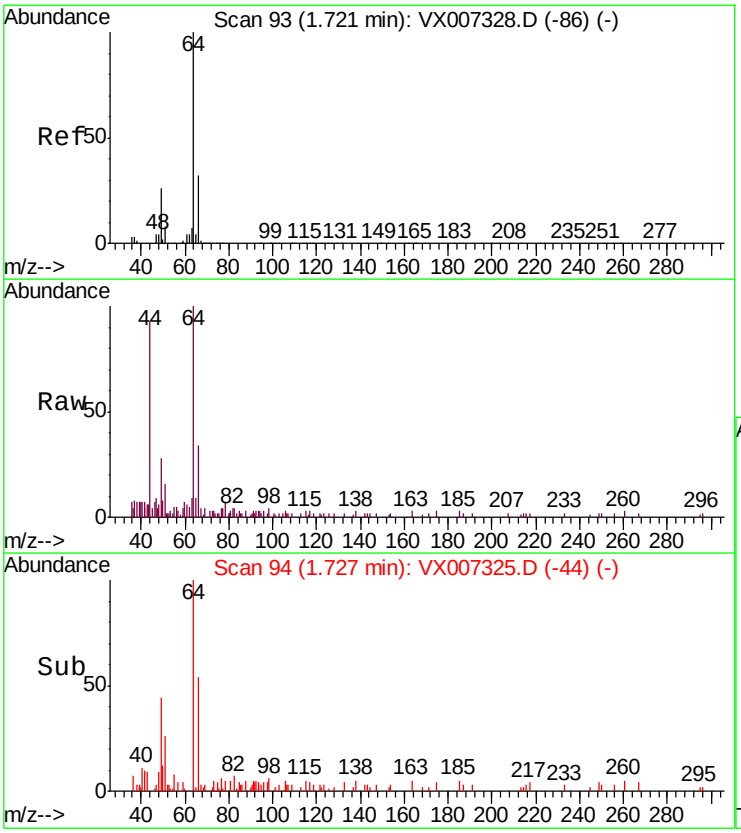
#5
Bromomethane
Concen: 1.146 ug/l
RT: 1.64 min Scan# 80
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 9060

Ion	Ratio	Lower	Upper
94	100		
96	101.4	73.9	110.9

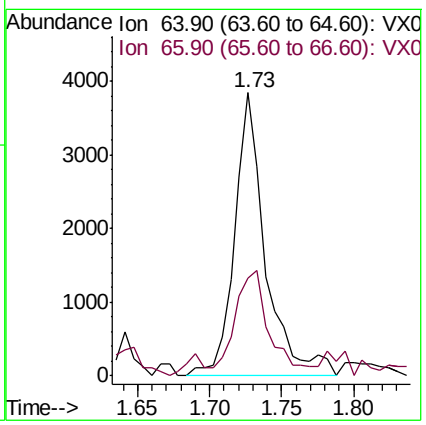


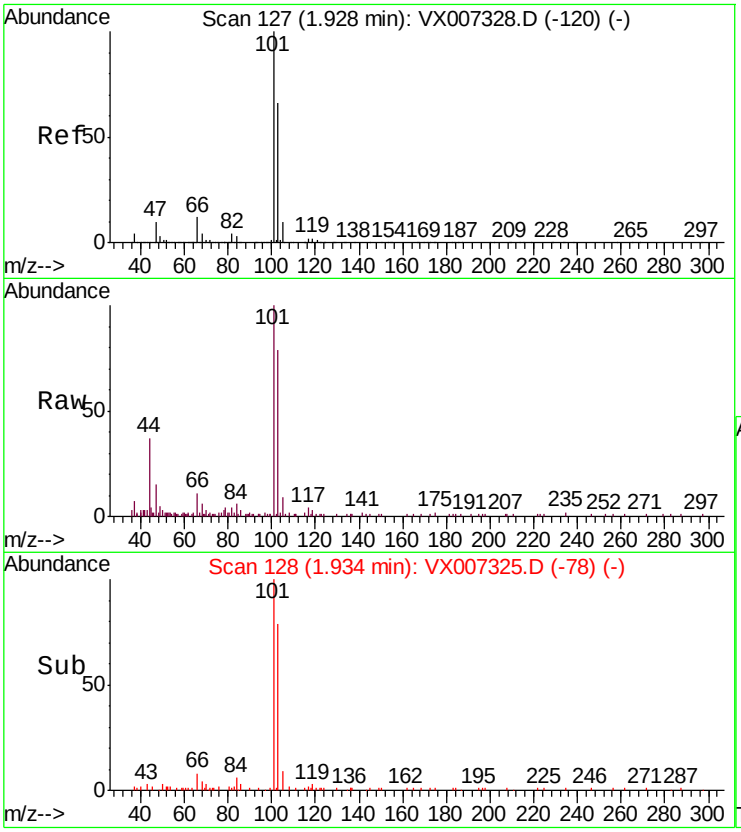


#6
Chloroethane
Concen: 1.275 ug/l
RT: 1.73 min Scan# 94
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 64 Resp: 5731

Ion	Ratio	Lower	Upper
64	100		
66	30.0	25.5	38.3



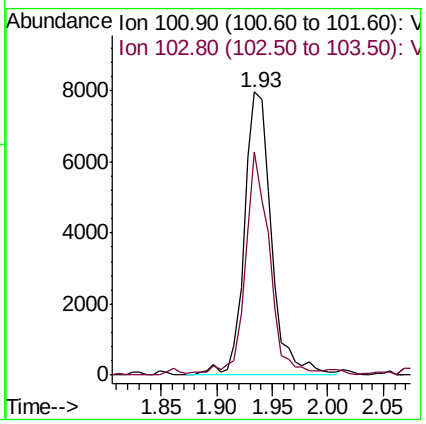


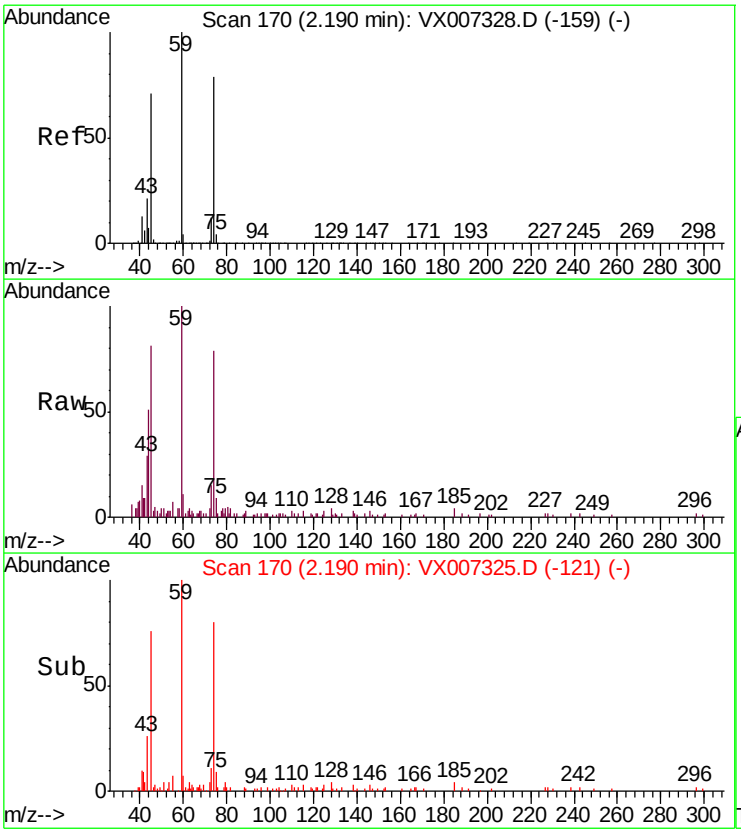
#7
Trichlorofluoromethane
Concen: 1.241 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 13485

Ion	Ratio	Lower	Upper
101	100		
103	78.2	52.6	79.0

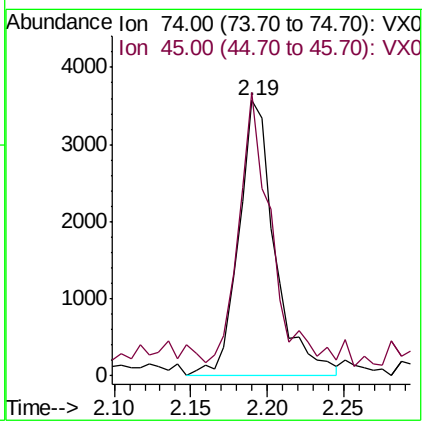


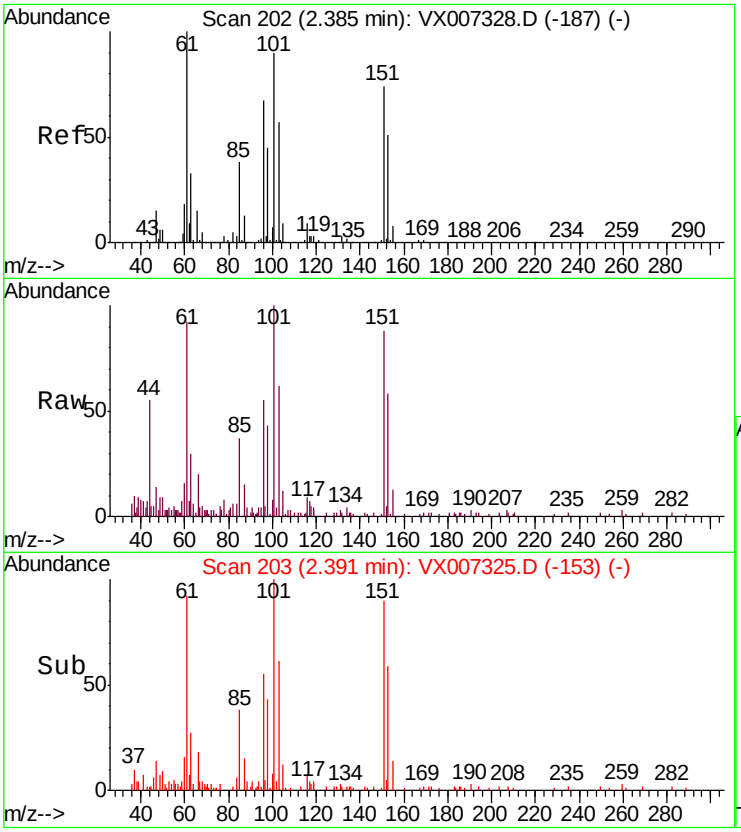


#8
Diethyl Ether
Concen: 1.438 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 74 Resp: 5881

Ion	Ratio	Lower	Upper
74	100		
45	83.7	45.7	137.1



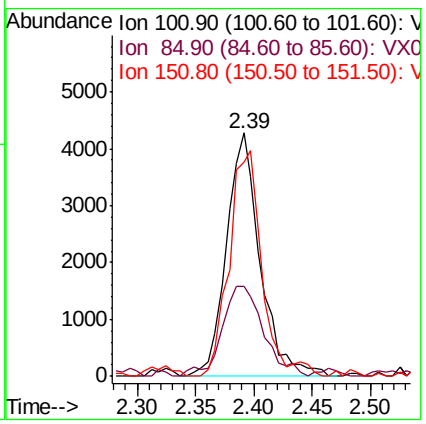


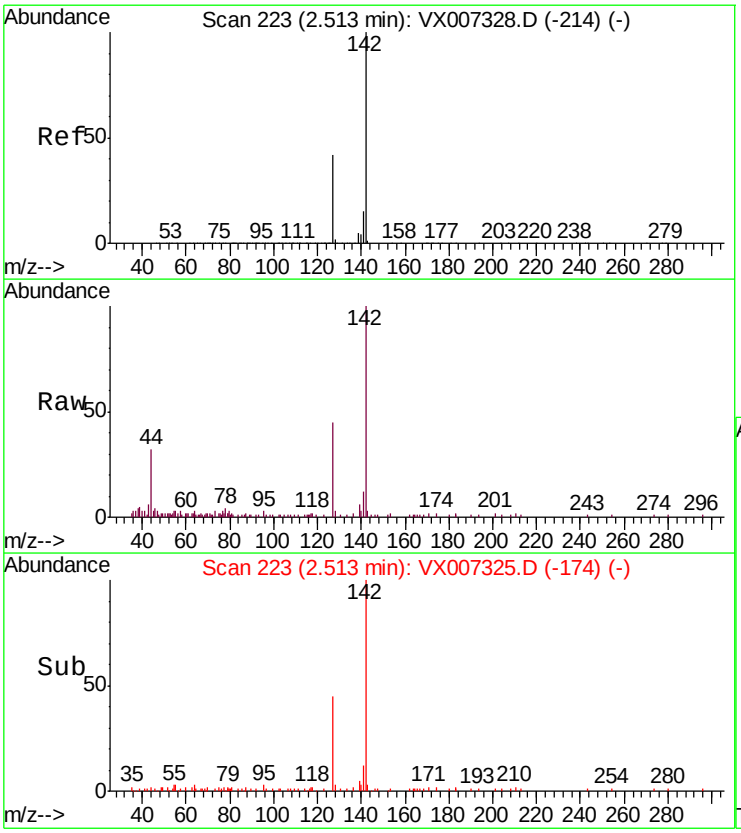
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.334 ug/l
RT: 2.39 min Scan# 203
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 8621

Ion	Ratio	Lower	Upper
101	100		
85	45.4	34.1	51.1
151	89.8	69.9	104.9

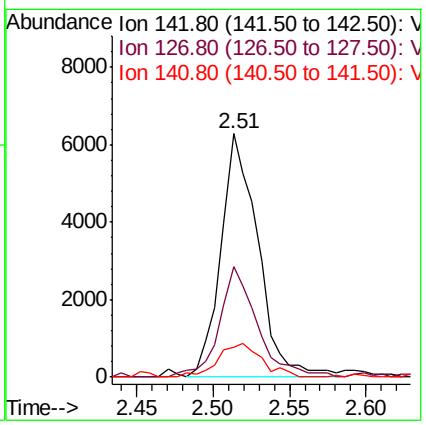


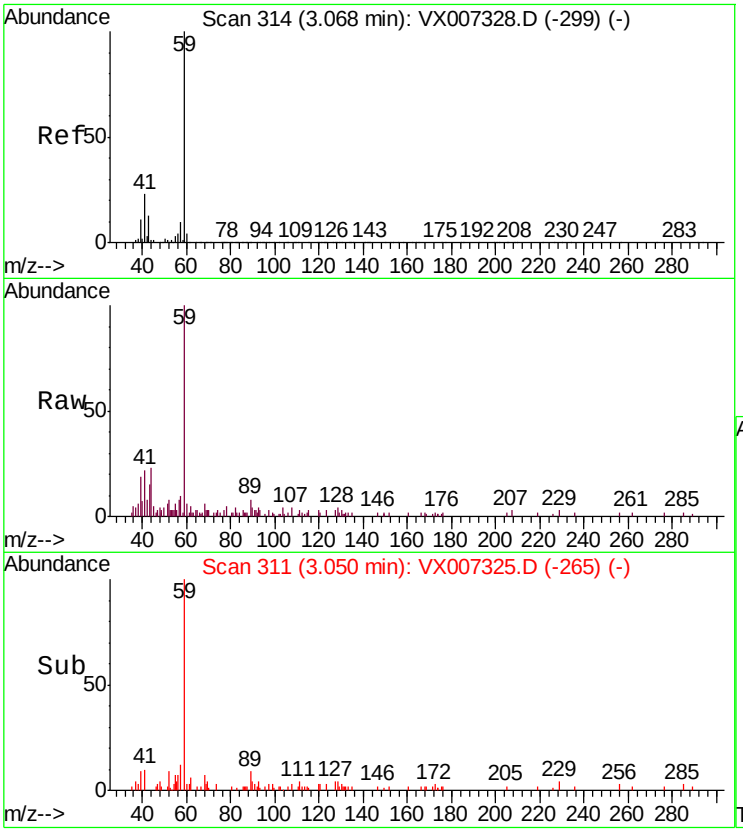


#10
Methyl Iodide
Concen: 1.112 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion:142 Resp: 10571

Ion	Ratio	Lower	Upper
142	100		
127	46.1	33.7	50.5
141	16.5	11.3	16.9



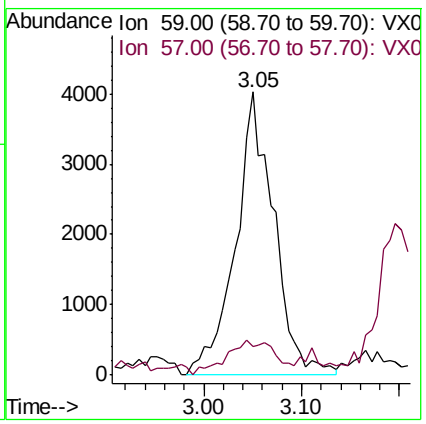


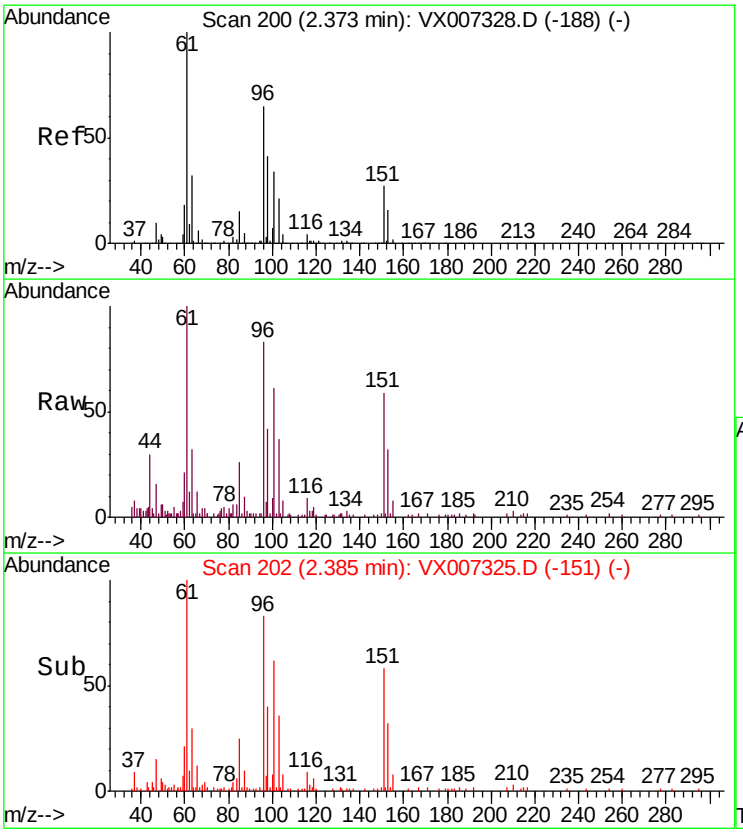
#11
Tert butyl alcohol
Concen: 7.916 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 10930

Ion	Ratio	Lower	Upper
59	100		
57	15.9	8.1	12.1#

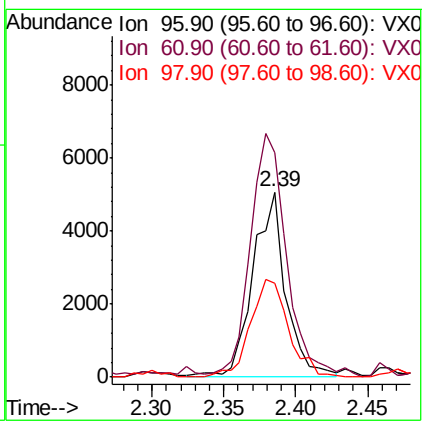


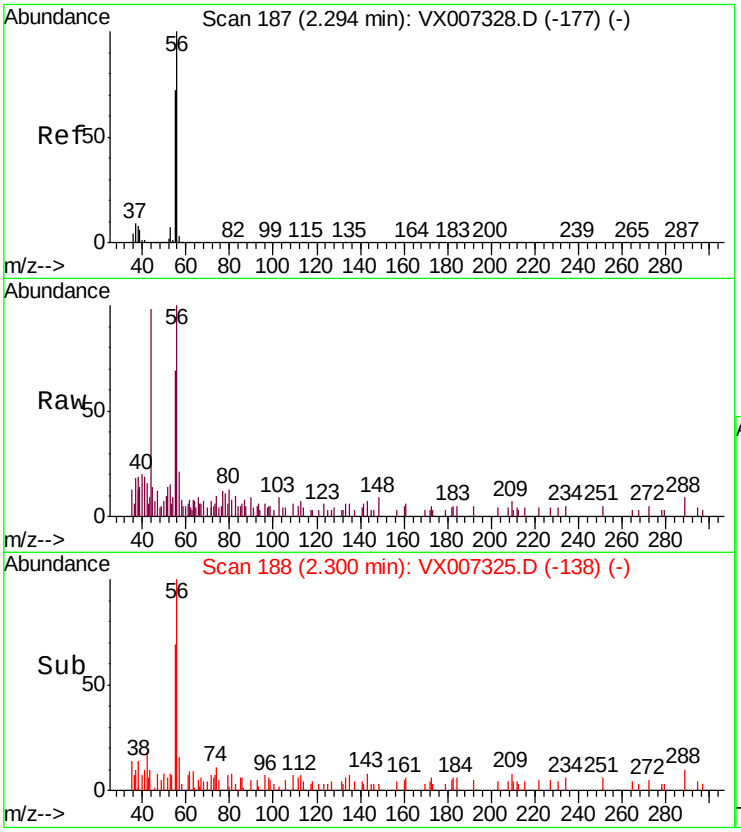


#12
1,1-Dichloroethene
Concen: 1.334 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 96 Resp: 8006

Ion	Ratio	Lower	Upper
96	100		
61	118.9	123.0	184.4#
98	51.2	50.9	76.3



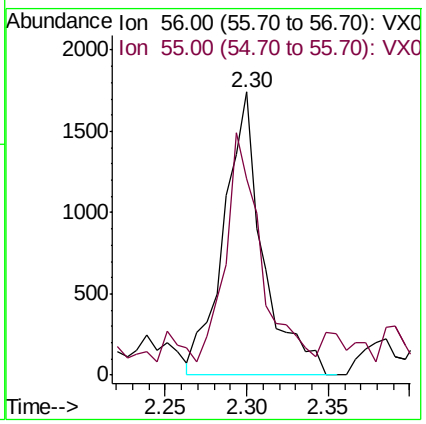


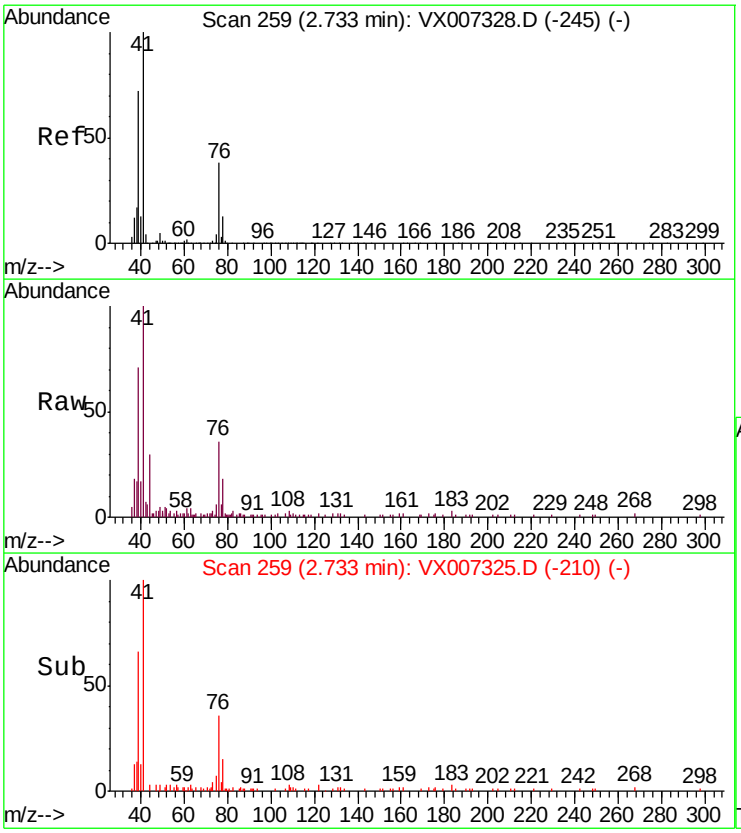
#13
Acrolein
Concen: 4.496 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2911

Ion	Ratio	Lower	Upper
56	100		
55	77.5	56.9	85.3

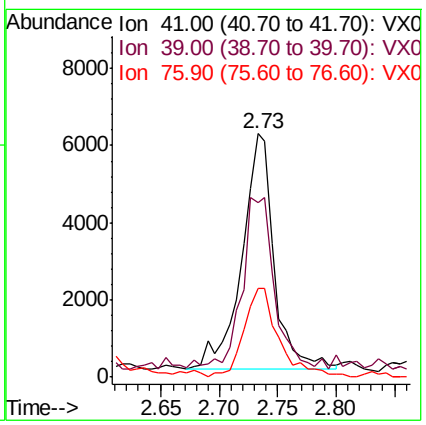


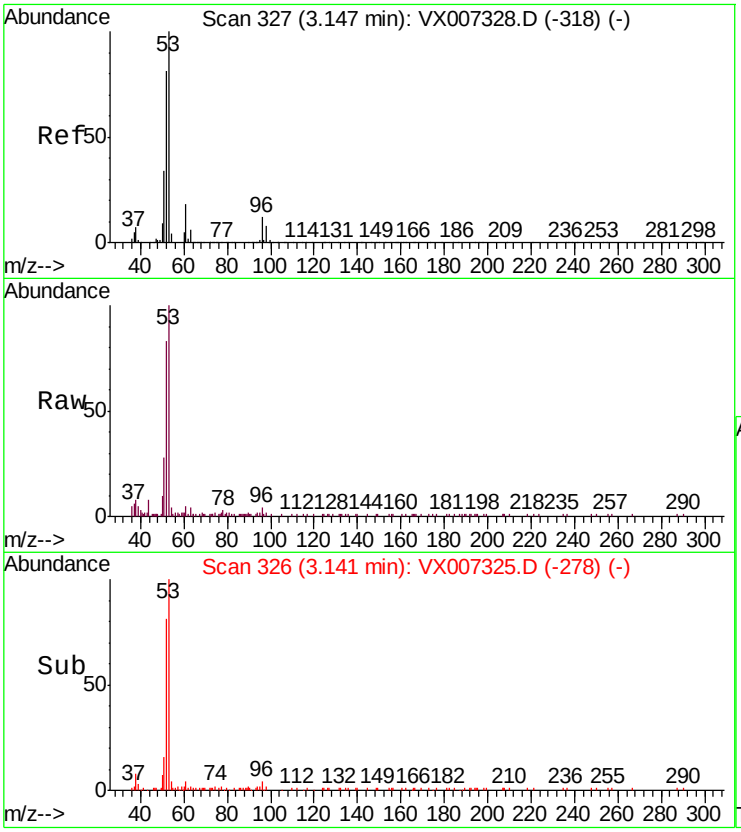


#14
Allyl chloride
Concen: 1.196 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 41 Resp: 11694

Ion	Ratio	Lower	Upper
41	100		
39	72.4	54.1	81.1
76	41.4	27.8	41.8



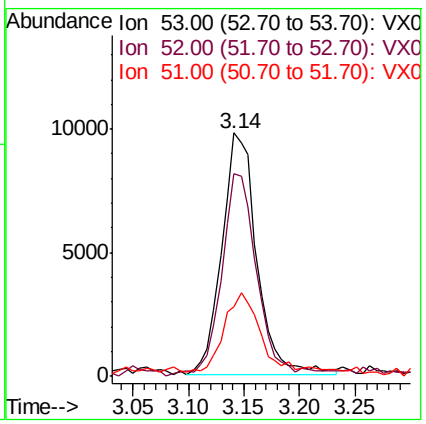


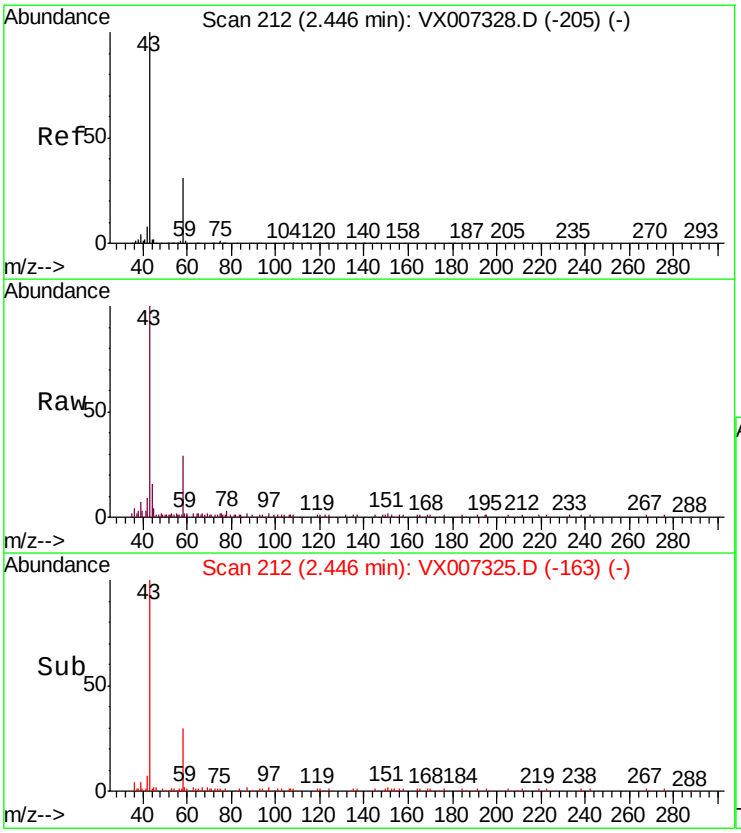
#15
Acrylonitrile
Concen: 6.197 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 21166

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.4	99.6
51	33.0	28.4	42.6

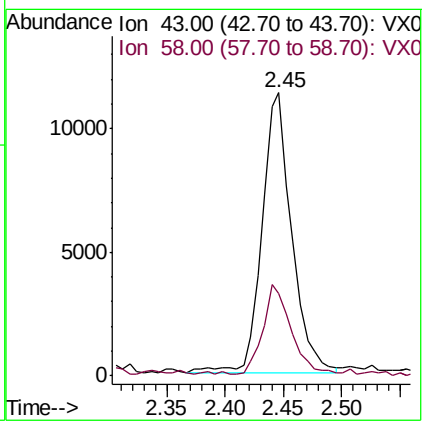


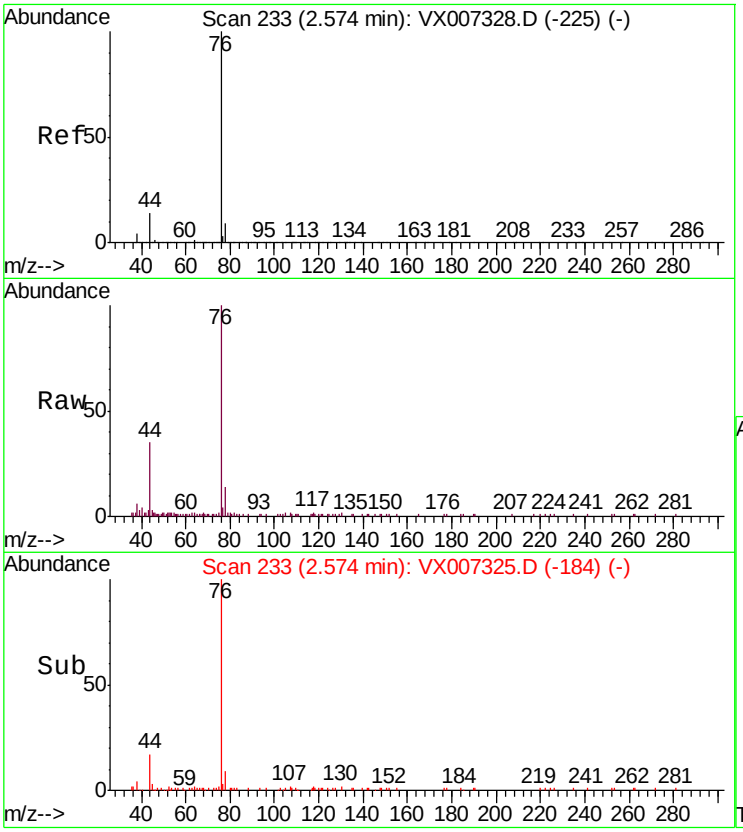


#16
Acetone
Concen: 6.579 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 43 Resp: 20108

Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.9	37.3



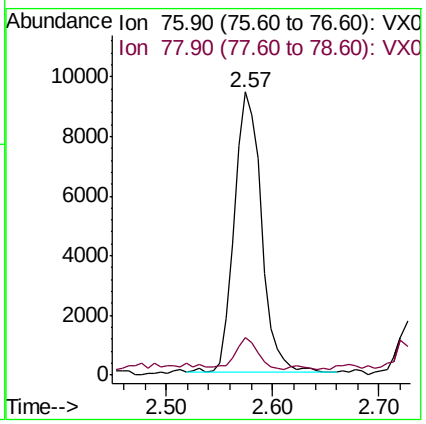


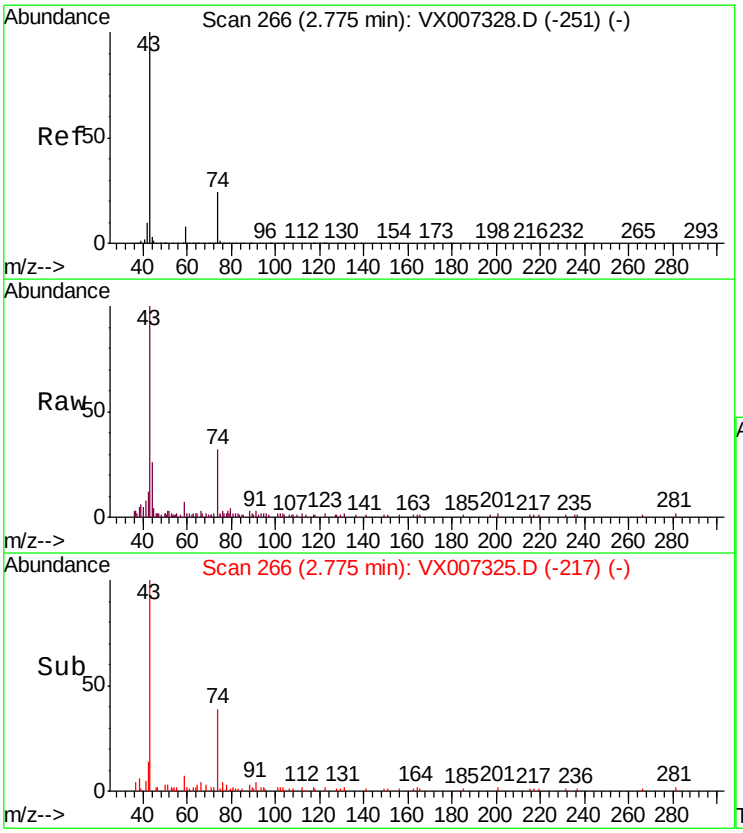
#17
Carbon Disulfide
Concen: 1.070 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 16945

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

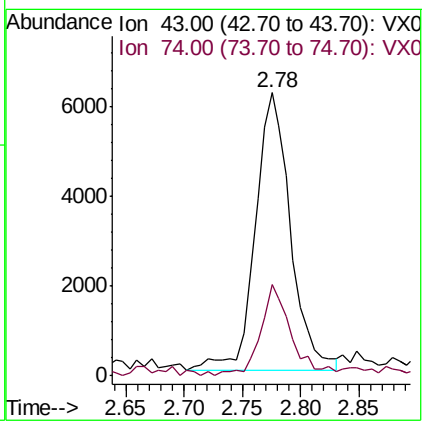


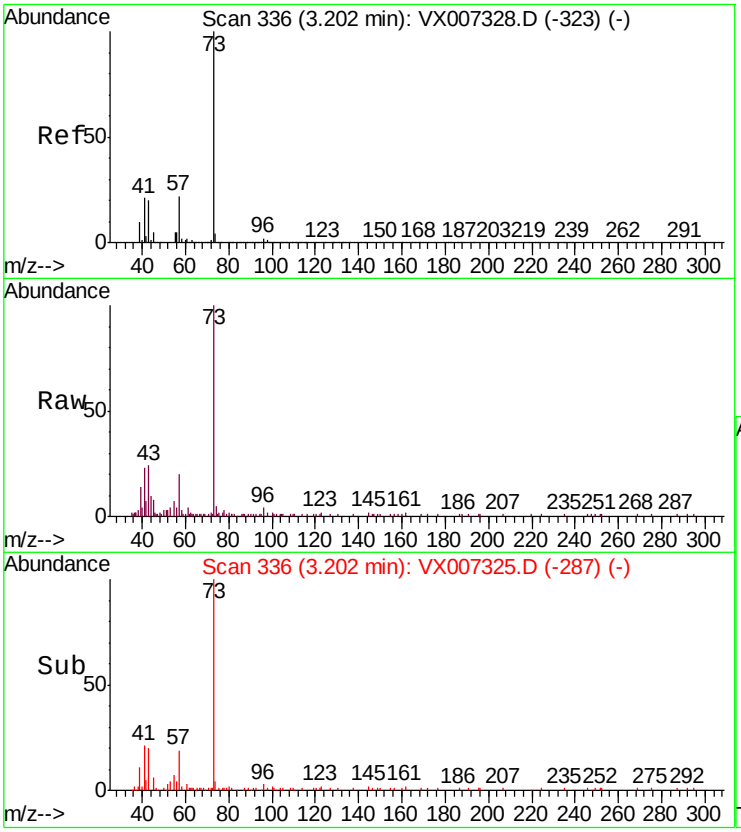


#18
Methyl Acetate
Concen: 1.509 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 43 Resp: 13047

Ion	Ratio	Lower	Upper
43	100		
74	28.6	19.4	29.2



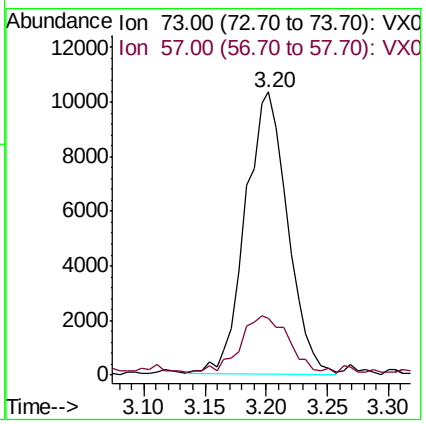


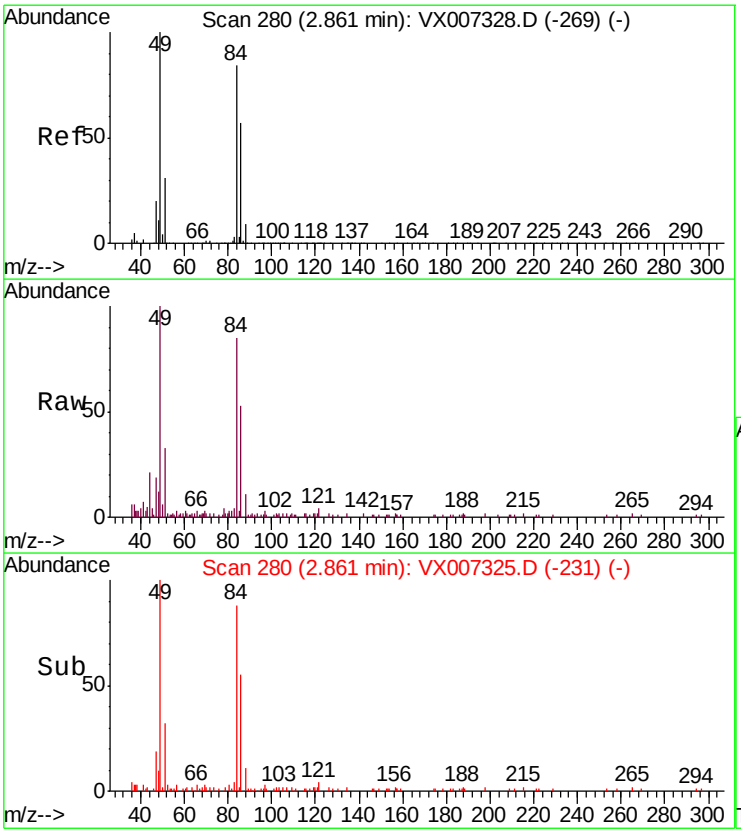
#19
Methyl tert-butyl Ether
Concen: 1.273 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 24753

Ion	Ratio	Lower	Upper
73	100		
57	19.4	17.8	26.8

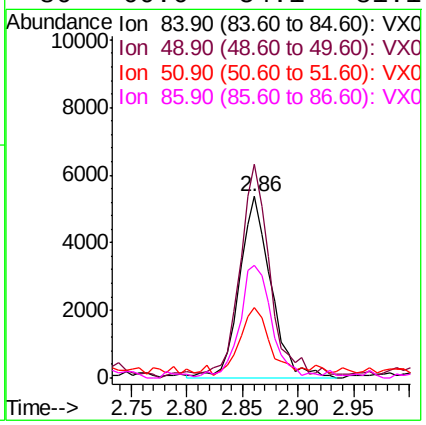


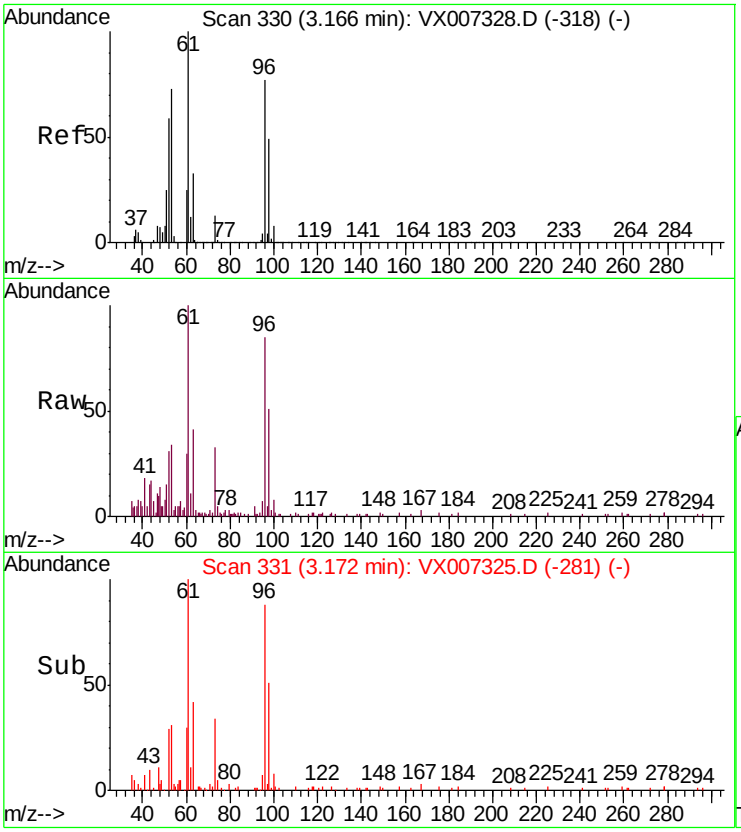


#20
Methylene Chloride
Concen: 1.528 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 84 Resp: 10558

Ion	Ratio	Lower	Upper
84	100		
49	115.4	94.8	142.2
51	35.3	29.8	44.8
86	60.6	54.1	81.1



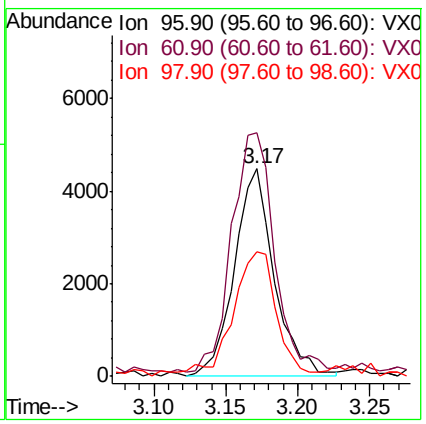


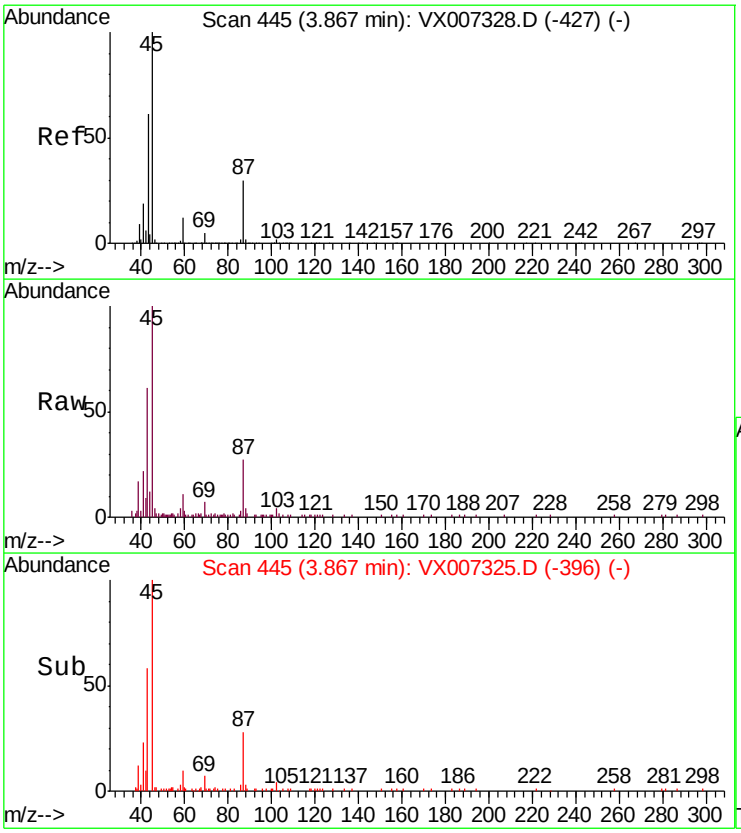
#21
trans-1,2-Dichloroethene
Concen: 1.351 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 8635

Ion	Ratio	Lower	Upper
96	100		
61	115.4	104.6	156.8
98	57.7	51.0	76.4

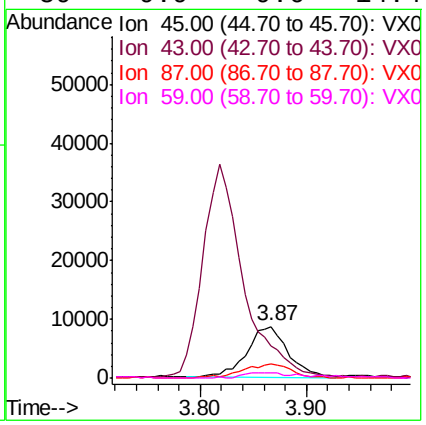


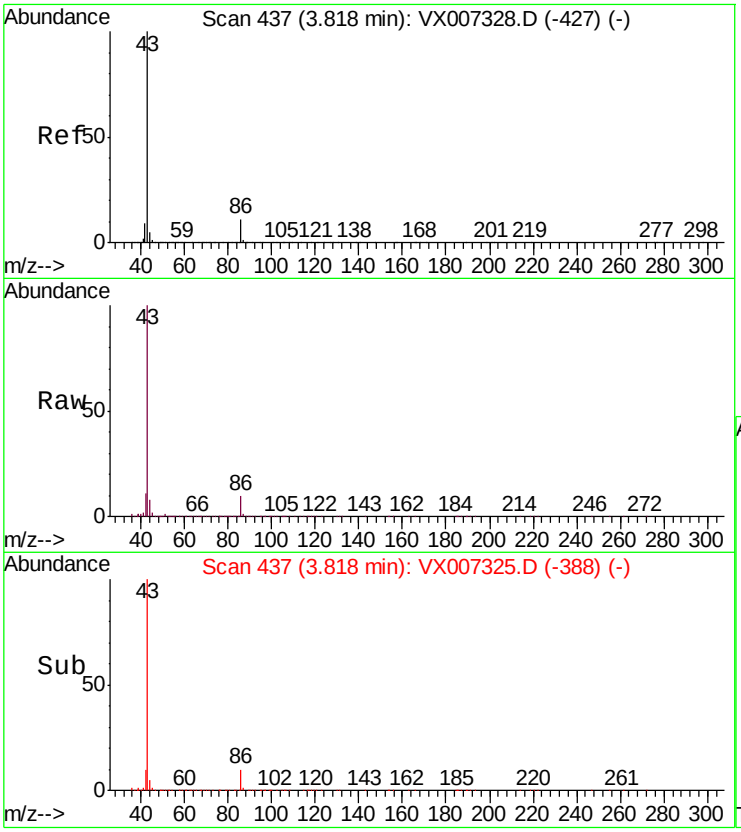


#22
Diisopropyl ether
Concen: 1.315 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 45 Resp: 23647

Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.9	73.3
87	27.8	23.9	35.9
59	9.9	9.6	14.4



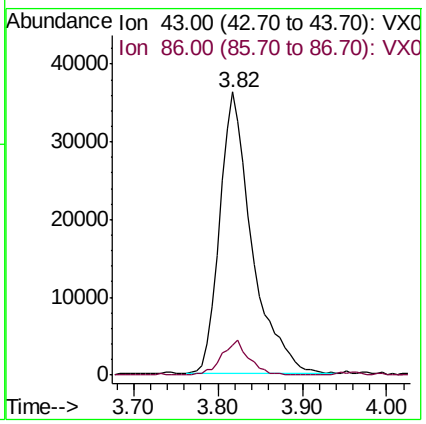


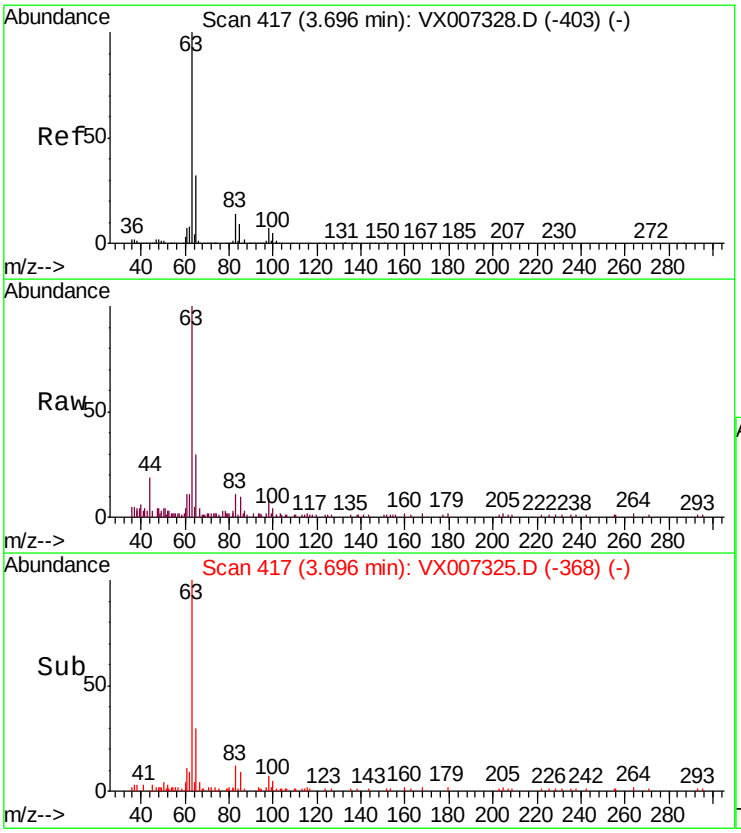
#23
Vinyl Acetate
Concen: 6.365 ug/l
RT: 3.82 min Scan# 437
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument : MSVOA_X
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 95009

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.7	13.1





#24
1,1-Dichloroethane
Concen: 1.404 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion: 63 Resp: 14499

Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.6	10.8
100	3.4	2.5	7.4