Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112718\

Quantitation Report (Not Reviewed)

Data File : VL032825.D
Acq On : 28 Nov 2018 10:49
Operator : SY/AP
Sample : J6046-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Quant Time: Nov 28 14:35:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1277248	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3246540	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2982860	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2198473	9.85	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	50156	0.273	ppbv		96
3) Chlorodifluoromethane	3.01	51	24719691	244.119	ppbv	#	73
4) Chloromethane	3.06	50	116559	2.076	ppbv	#	87
8) Dichlorotetrafluoroethane	3.08	85	50156	0.347	ppbv	#	19
9) Propene	3.04	41	446329	11.014	ppbv		97
11) Trichlorofluoromethane	4.01	101	2398260	13.861	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	7441	0.053	ppbv	#	14
13) Ethanol	3.66	45	1817439	136.929	ppbv		99
15) Acetone	3.90	43	2522688	21.628	ppbv	#	69
16) 1,3-Butadiene	3.35	39	443226	9.812	ppbv	#	13
17) tert-Butyl alcohol	4.38	59	60793	1.662	ppbv	#	86
18) 1,1-Dichloroethene	4.07	96	17895	0.257	ppbv	#	1
19) Isopropyl Alcohol	4.07	45	2669263	34.352	ppbv	#	95
20) Methylene Chloride	4.42	84	93814	1.554	ppbv		95
21) Allyl Chloride	4.38	41	16318	0.166	ppbv	#	63
22) trans-1,2-Dichloroethene	4.97	96	2667	0.039	ppbv	#	65
23) Vinyl Acetate	5.16	43	62696	0.295	ppbv	#	88
25) Ethyl Acetate	5.79	43	100936	0.371	ppbv	#	94
26) Hexane	5.79	57	92515	0.764	ppbv	#	1
27) Carbon Disulfide	4.63	76	12438	0.081	ppbv	#	87
29) Chloroform	5.86	83	78519	0.364	ppbv		100
32) 1,1,1-Trichloroethane	6.63	97	32148	0.136	ppbv		98
34) 2-Butanone	5.33	43	6219629	36.937	ppbv		98
36) Benzene	7.02	78	79241	0.307	ppbv	#	92
38) Trichloroethene	7.97	130	25936	0.248	ppbv		88
39) 1,2-Dichloropropane	7.30	63	796268	8.084	ppbv	#	23
41) Tetrahydrofuran	6.16	42	743825	7.701	ppbv		99
44) 2,2,4-Trimethylpentane	8.00	57	32888	0.076	ppbv	#	40
52) Tetrachloroethene	11.38	164	8130	0.090	ppbv	#	86
53) Toluene	9.96	91	539312	2.000	ppbv		100
59) m/p-Xylene	13.14	91	11301	0.035	ppbv	#	1
60) o-Xylene	13.86	91	12909	0.040	ppbv	#	29

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

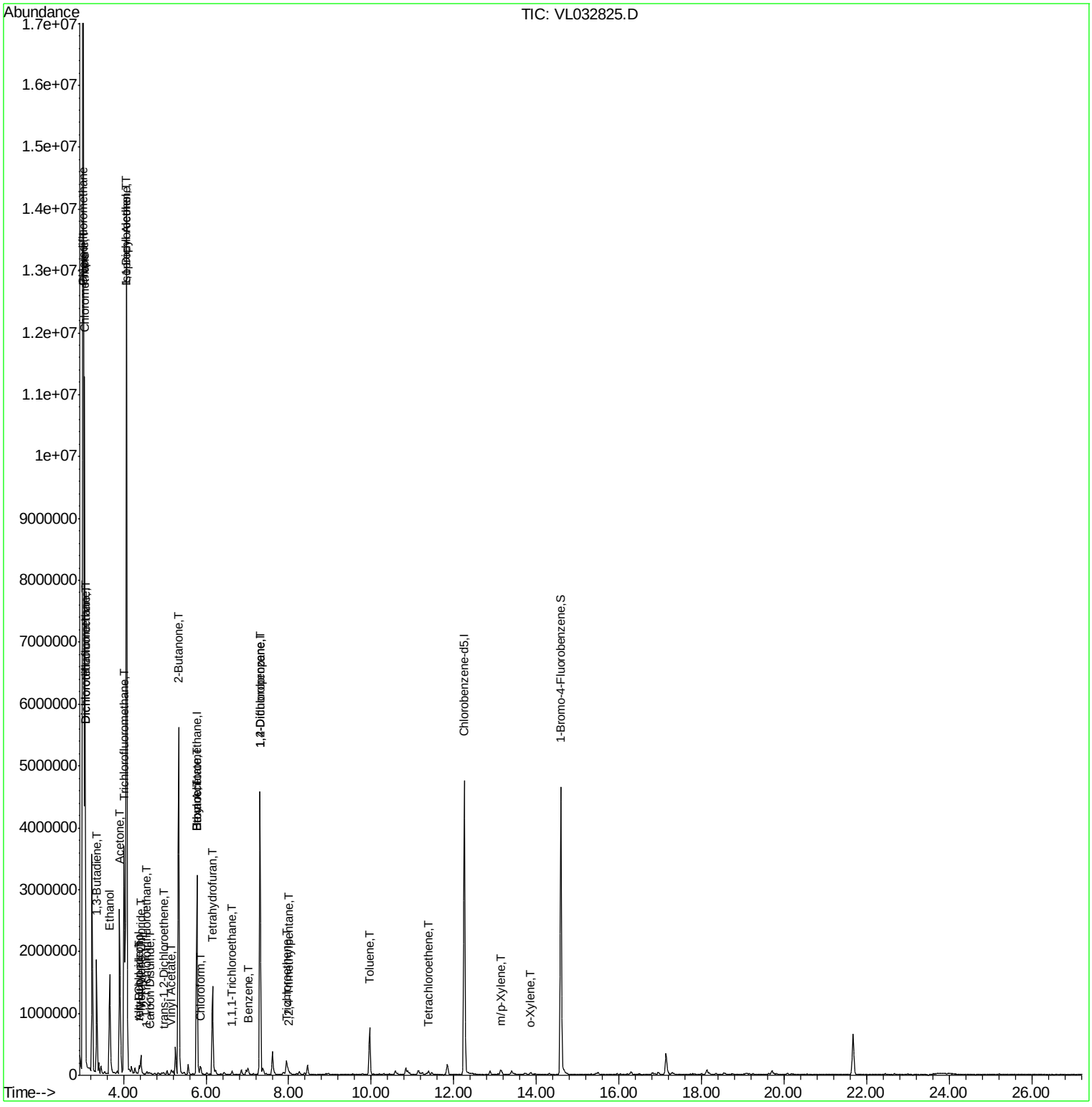
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112718\

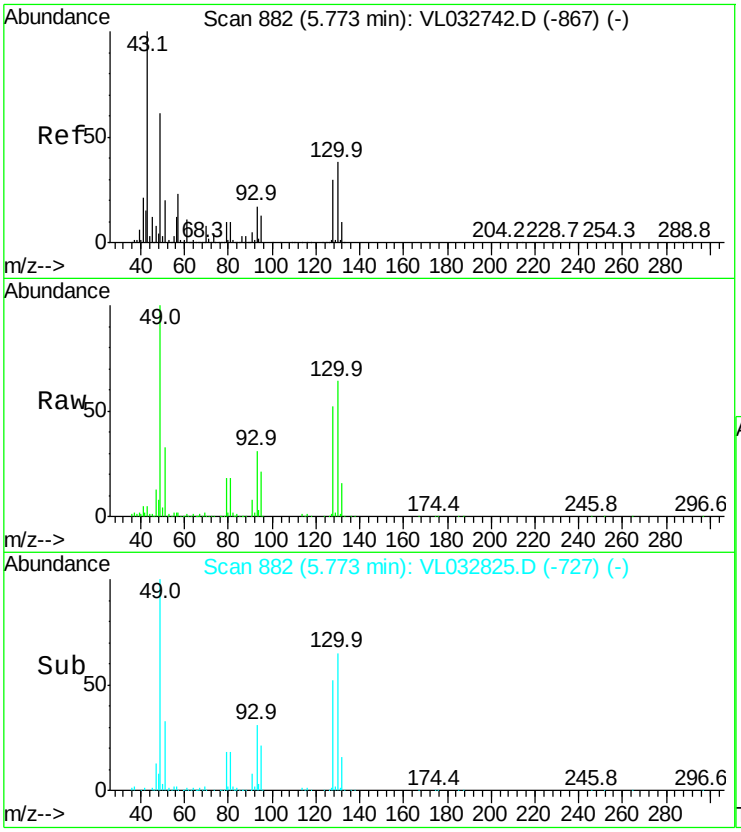
Quantitation Report (Not Reviewed)

Data File : VL032825.D
Acq On : 28 Nov 2018 10:49
Operator : SY/AP
Sample : J6046-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Quant Time: Nov 28 14:35:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



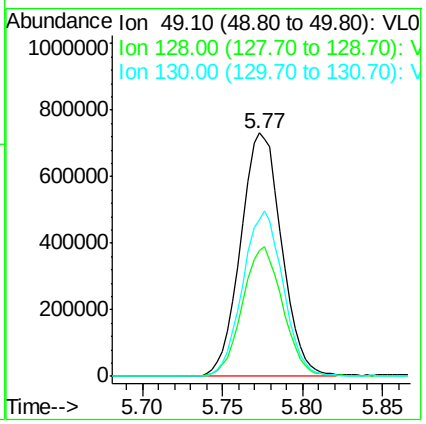


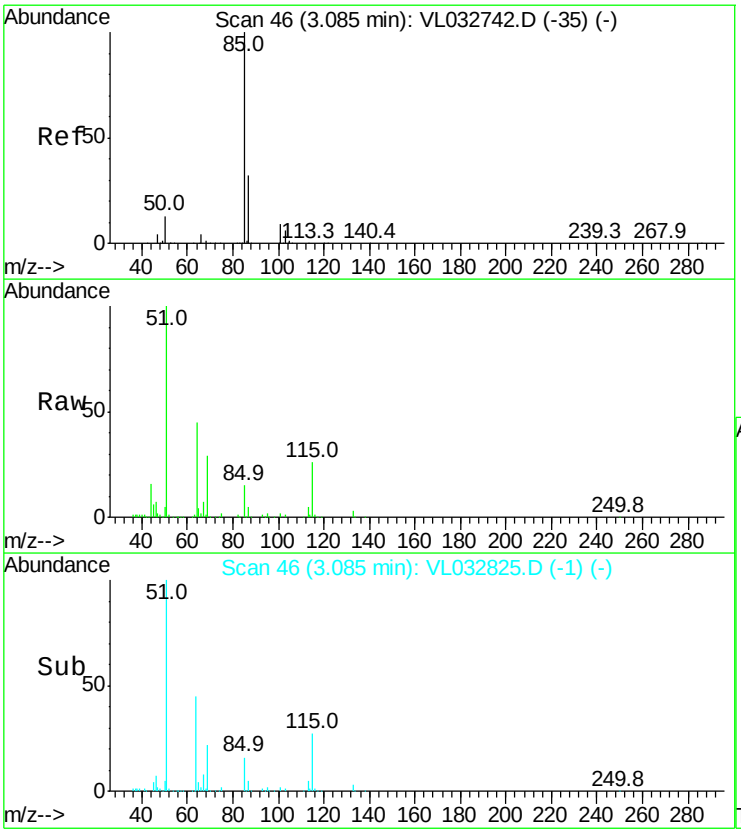
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 49 Resp: 1277248

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.9	74.6
130	67.0	31.4	94.2

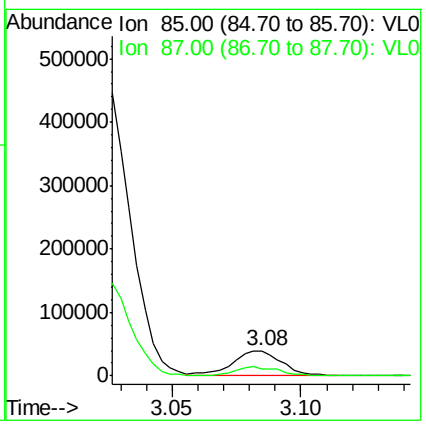


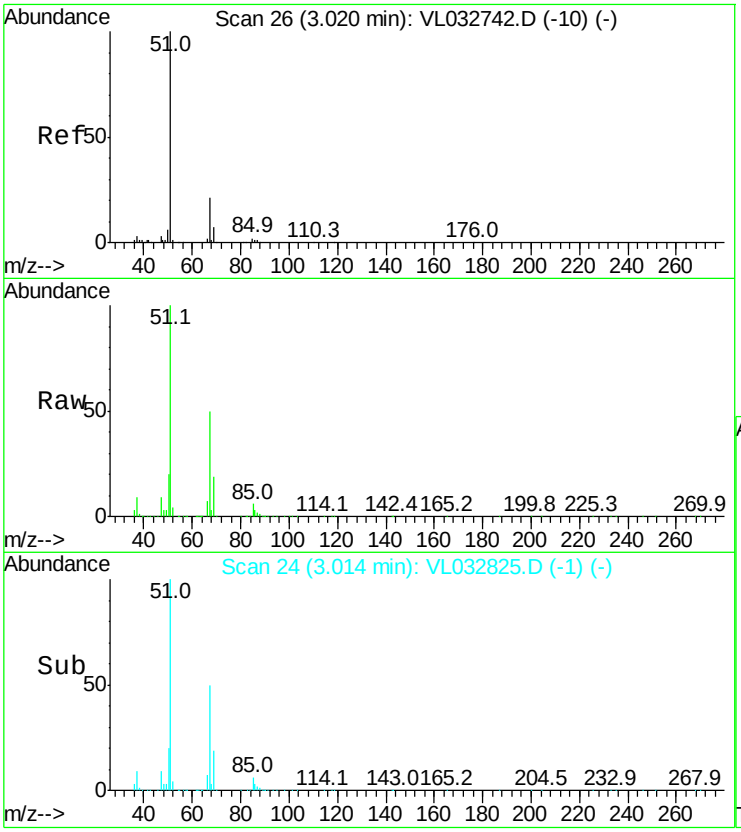


#2
Dichlorodifluoromethane
Concen: 0.273 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 85 Resp: 50156

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.0	39.0



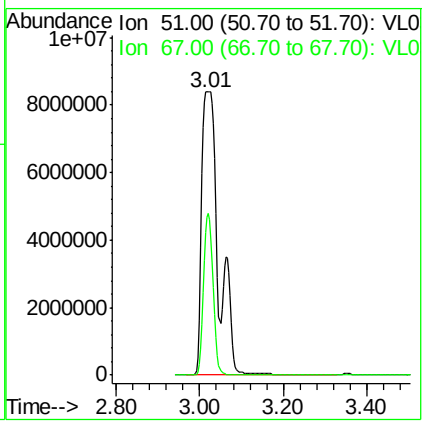


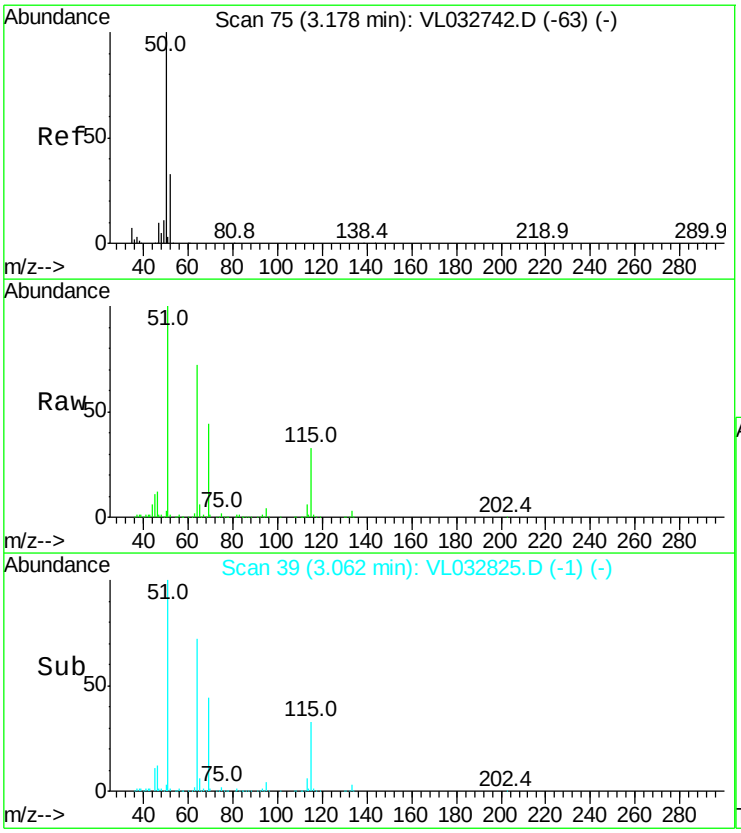
#3
Chlorodifluoromethane
Concen: 244.119 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 51 Resp:24719691

Ion	Ratio	Lower	Upper
51	100		
67	32.4	16.1	24.1#

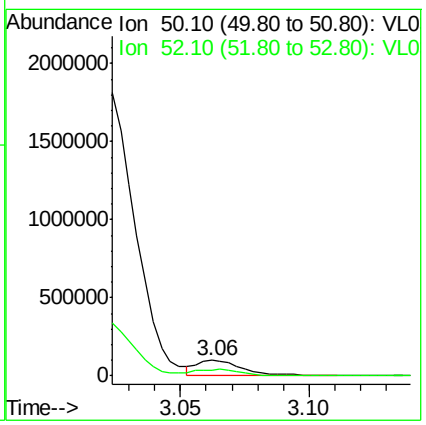


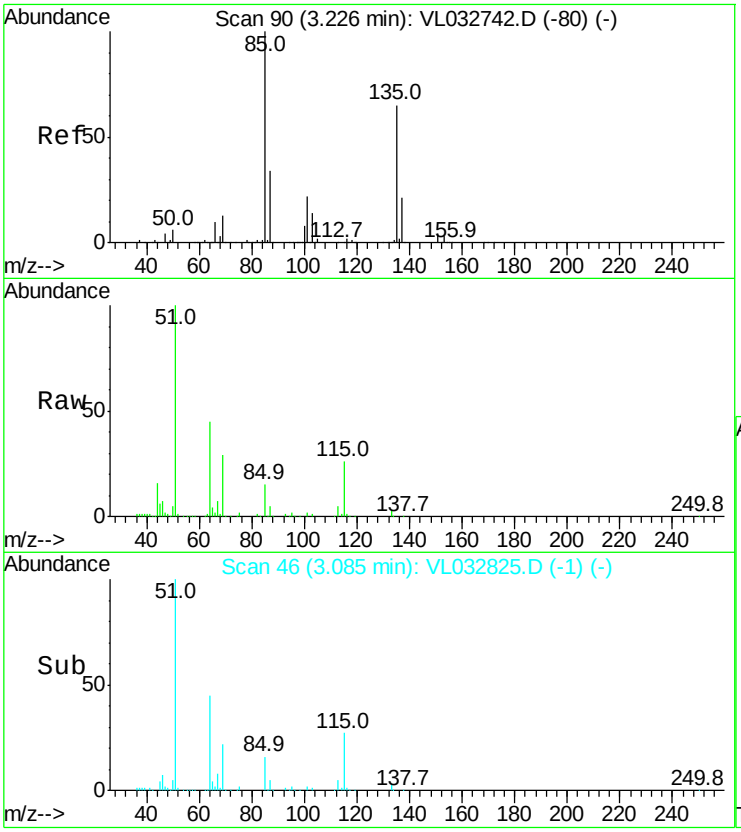


#4
Chloromethane
Concen: 2.076 ppbv
RT: 3.06 min Scan# 39
Delta R.T. -0.12 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 50 Resp: 116559

Ion	Ratio	Lower	Upper
50	100		
52	40.5	26.6	40.0#



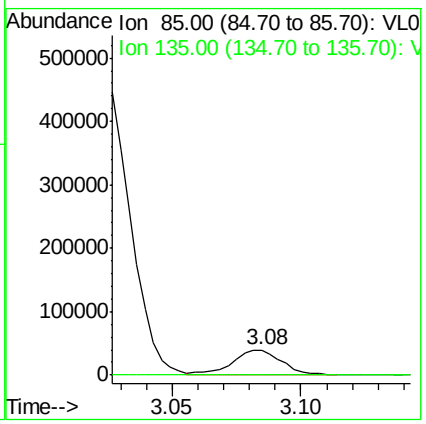


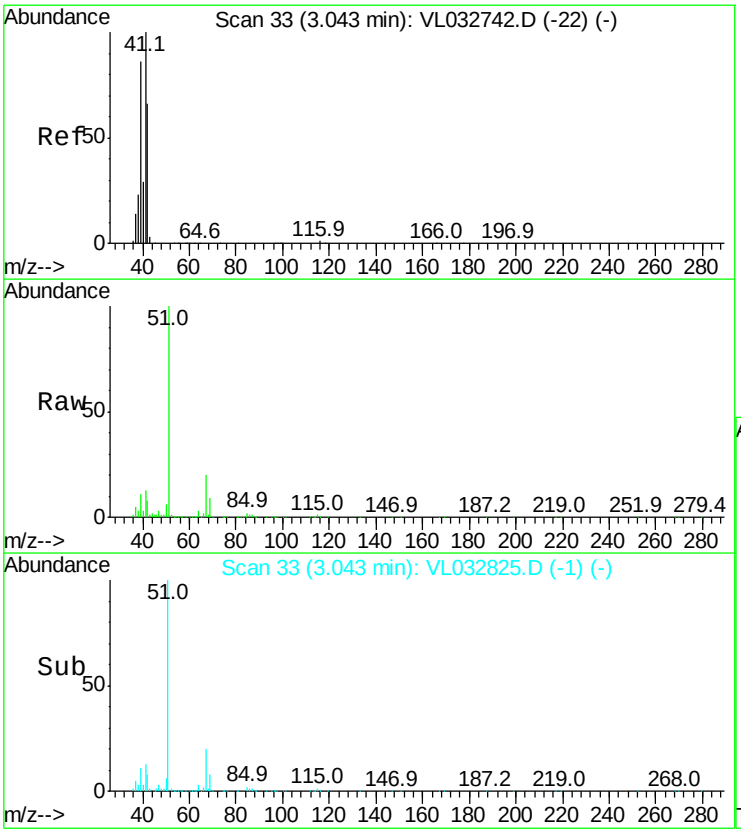
#8
Dichlorotetrafluoroethane
Concen: 0.347 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.14 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Tgt Ion: 85 Resp: 50156

Ion	Ratio	Lower	Upper
85	100		
135	2.5	53.8	80.8#

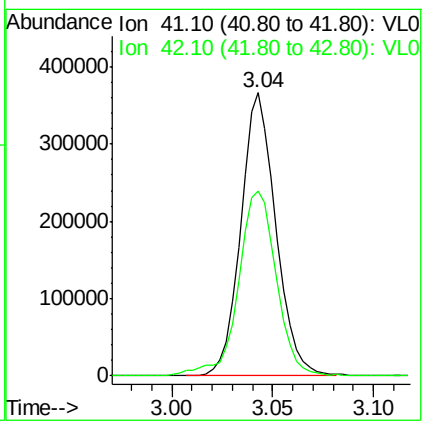


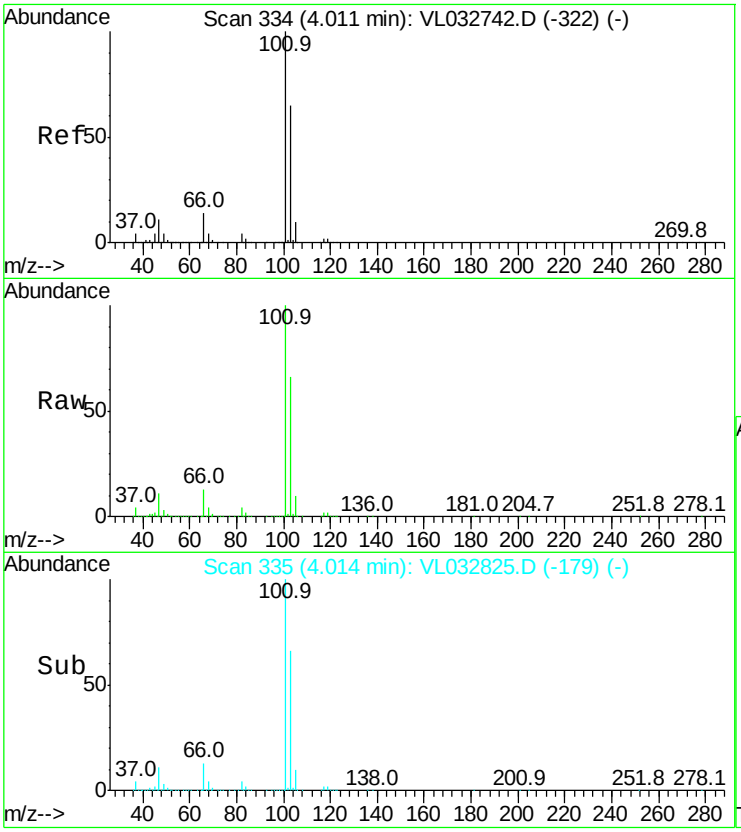


#9
Propene
Concen: 11.014 ppbv
RT: 3.04 min Scan# 33
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 41 Resp: 446329

Ion	Ratio	Lower	Upper
41	100		
42	71.0	55.0	82.6



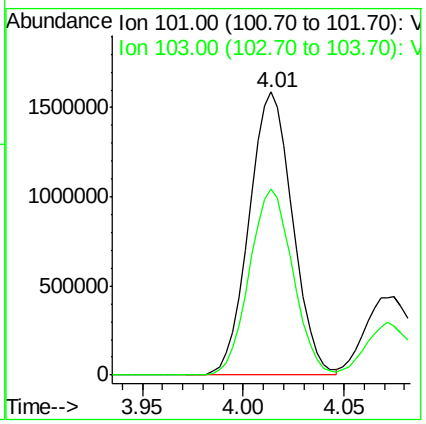


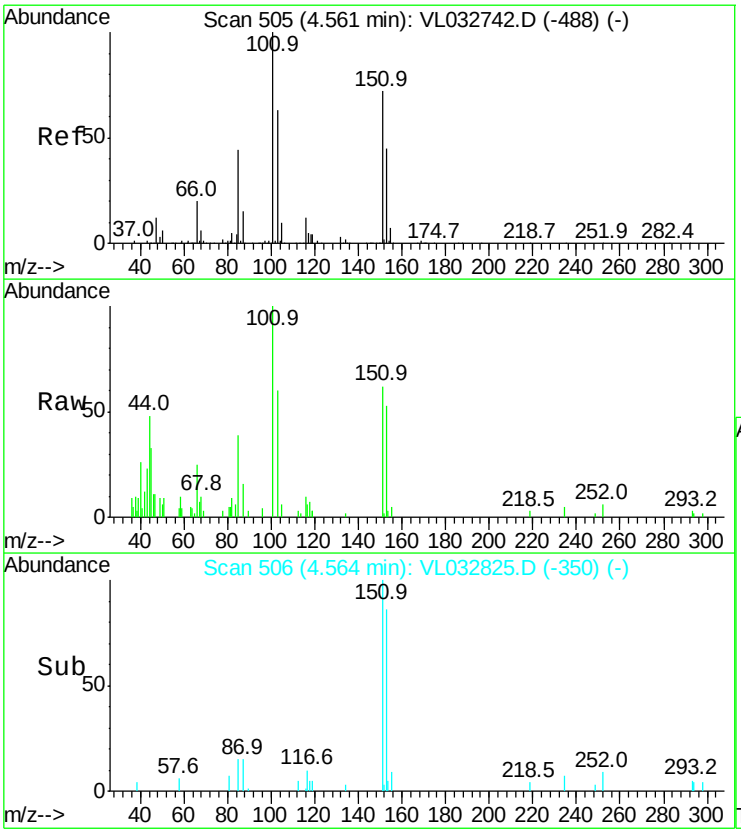
#11
Trichlorofluoromethane
Concen: 13.861 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion:101 Resp: 2398260

Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.6	77.4

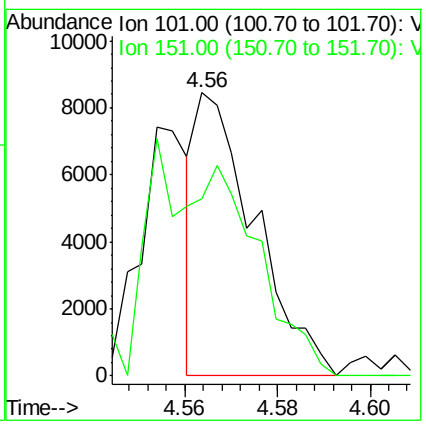


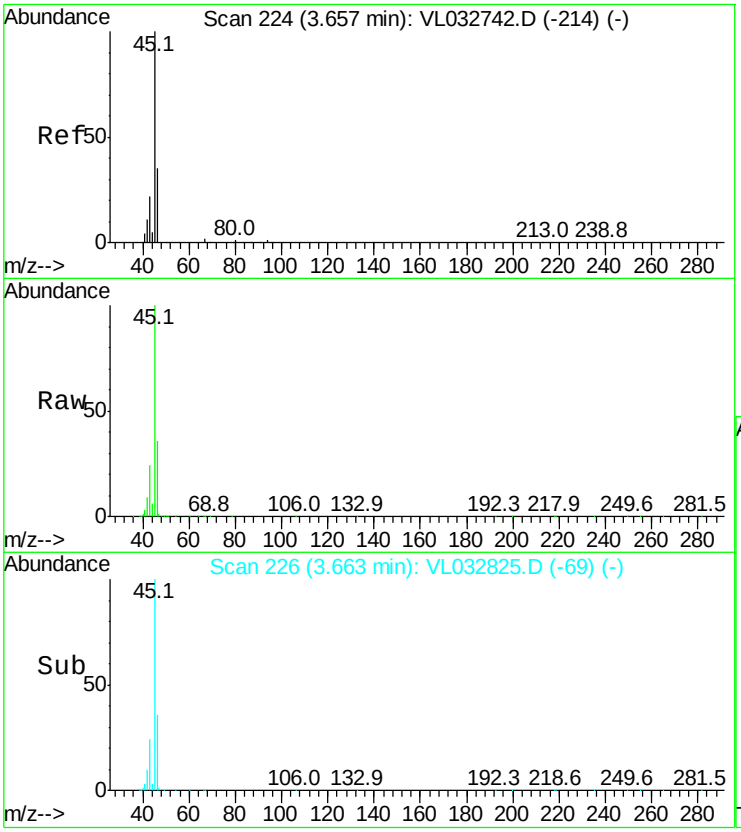


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.053 ppbv
RT: 4.56 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:101 Resp: 7441

Ion	Ratio	Lower	Upper
101	100		
151	0.0	56.7	85.1#



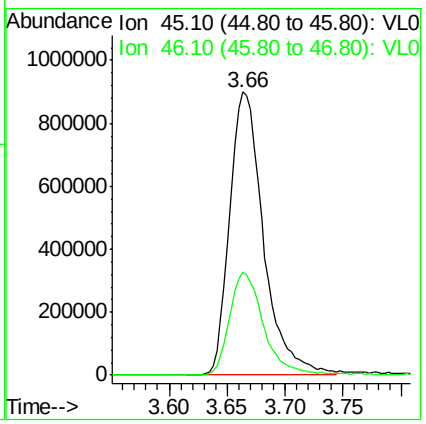


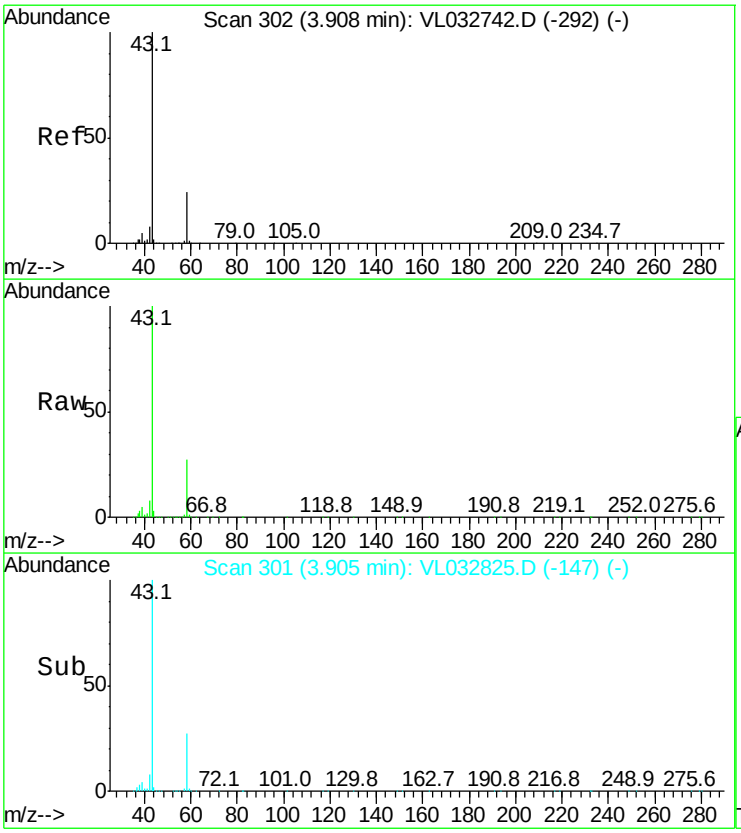
#13
Ethanol
Concen: 136.929 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 45 Resp: 1817439

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.5	57.9

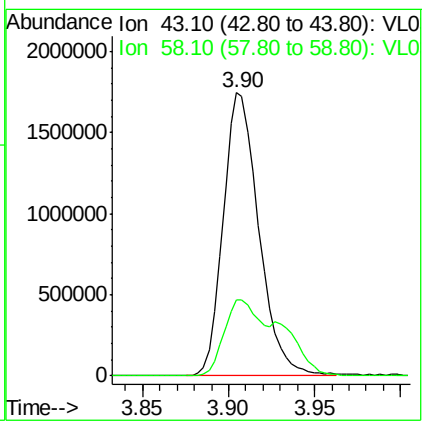


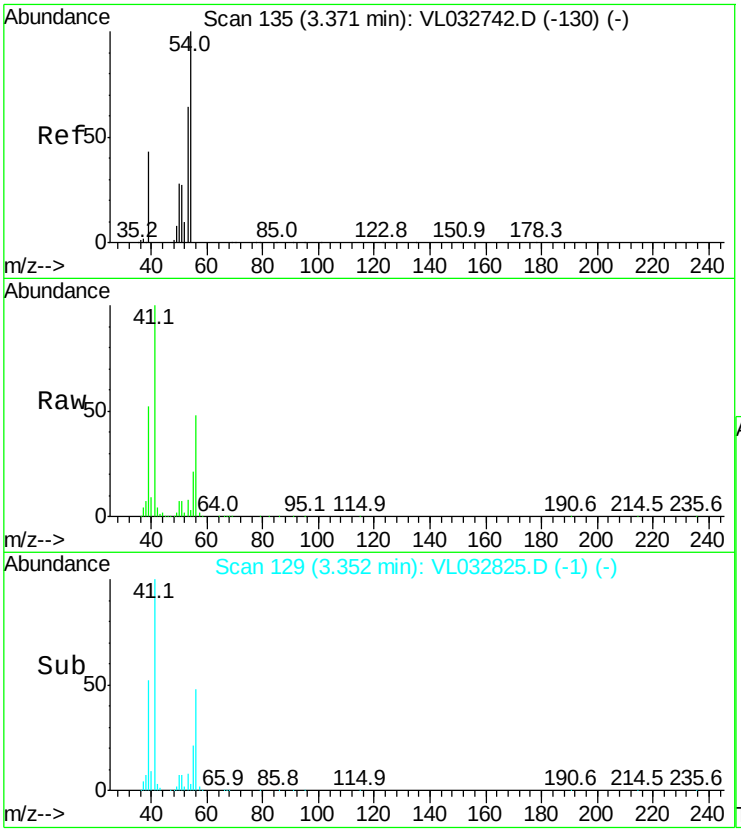


#15
Acetone
Concen: 21.628 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 43 Resp: 2522688

Ion	Ratio	Lower	Upper
43	100		
58	42.5	21.1	31.7#



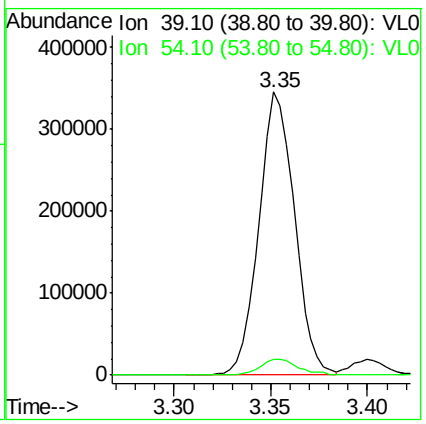


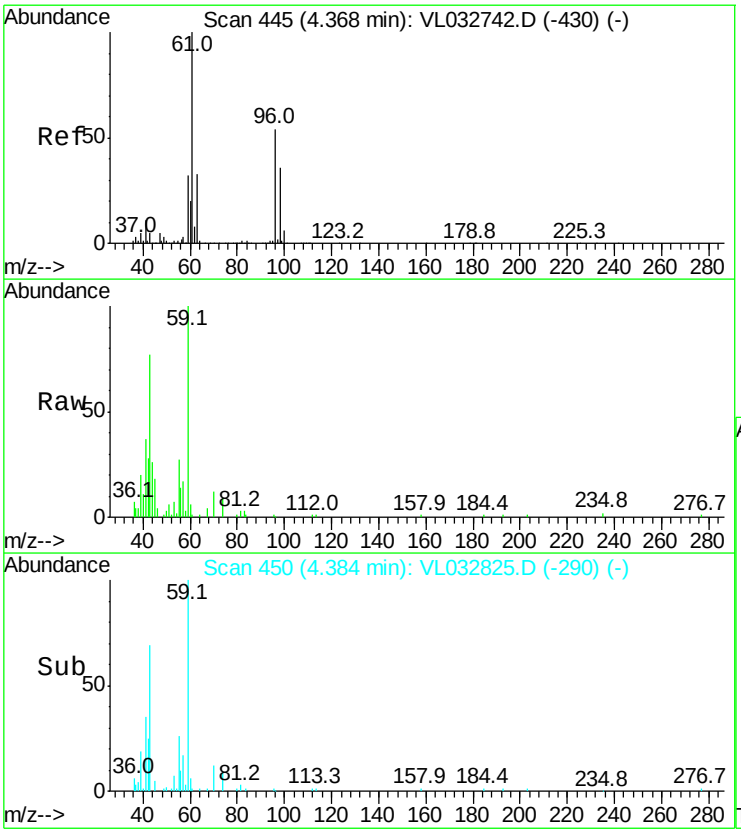
#16
1,3-Butadiene
Concen: 9.812 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.02 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 39 Resp: 443226

Ion	Ratio	Lower	Upper
39	100		
54	6.4	68.9	103.3#

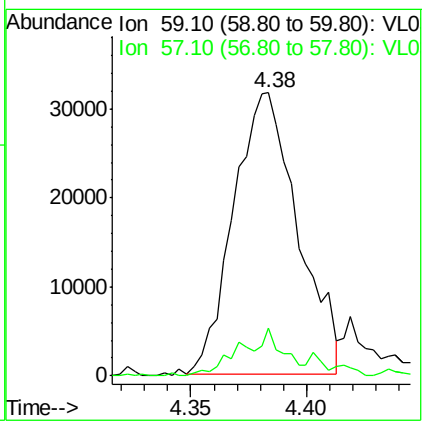


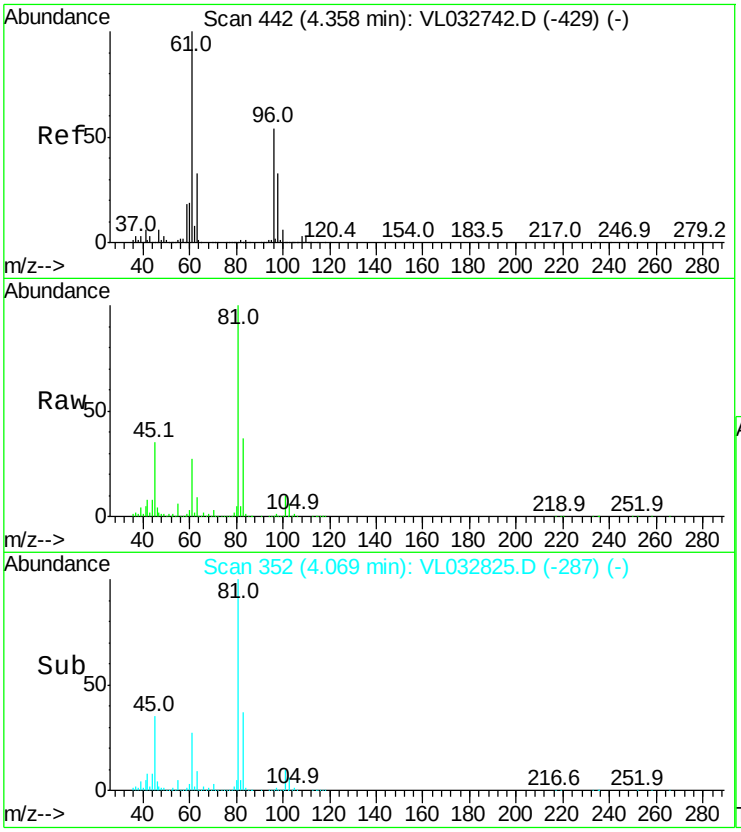


#17
tert-Butyl alcohol
Concen: 1.662 ppbv
RT: 4.38 min Scan# 450
Delta R.T. 0.02 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 59 Resp: 60793

Ion	Ratio	Lower	Upper
59	100		
57	15.0	7.8	11.8#



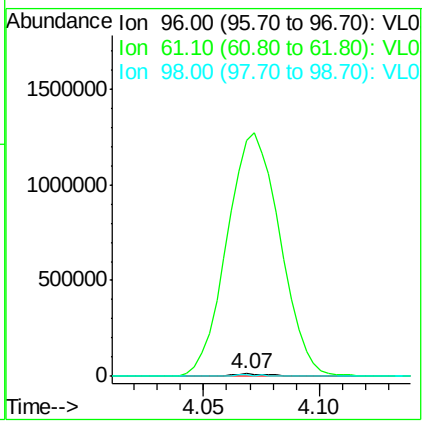


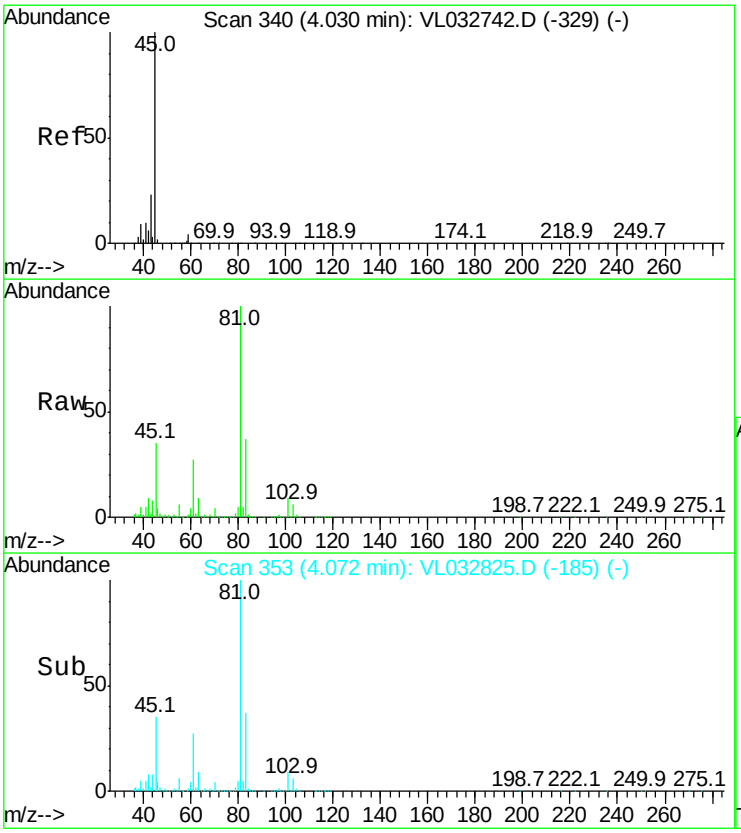
#18
1,1-Dichloroethene
Concen: 0.257 ppbv
RT: 4.07 min Scan# 352
Delta R.T. -0.29 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Tgt Ion: 96 Resp: 17895

Ion	Ratio	Lower	Upper
96	100		
61	9425.3	148.5	222.7#
98	42.9	48.6	72.8#

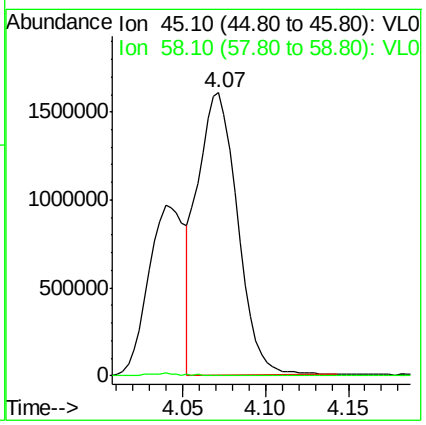


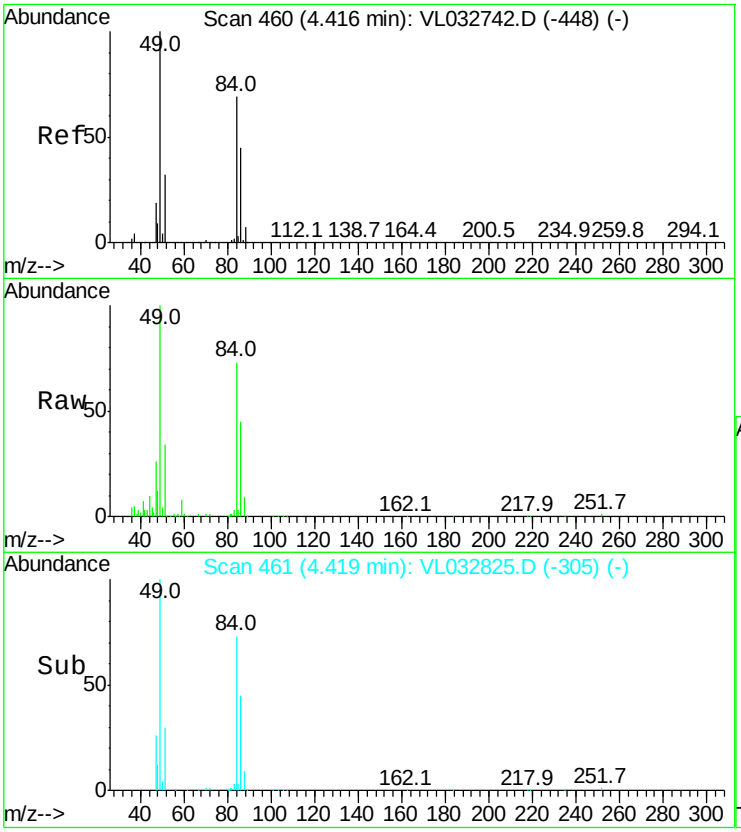


#19
Isopropyl Alcohol
Concen: 34.352 ppbv
RT: 4.07 min Scan# 353
Delta R.T. 0.04 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 45 Resp: 2669263

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#



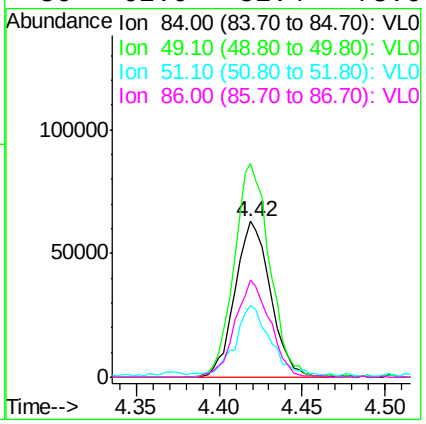


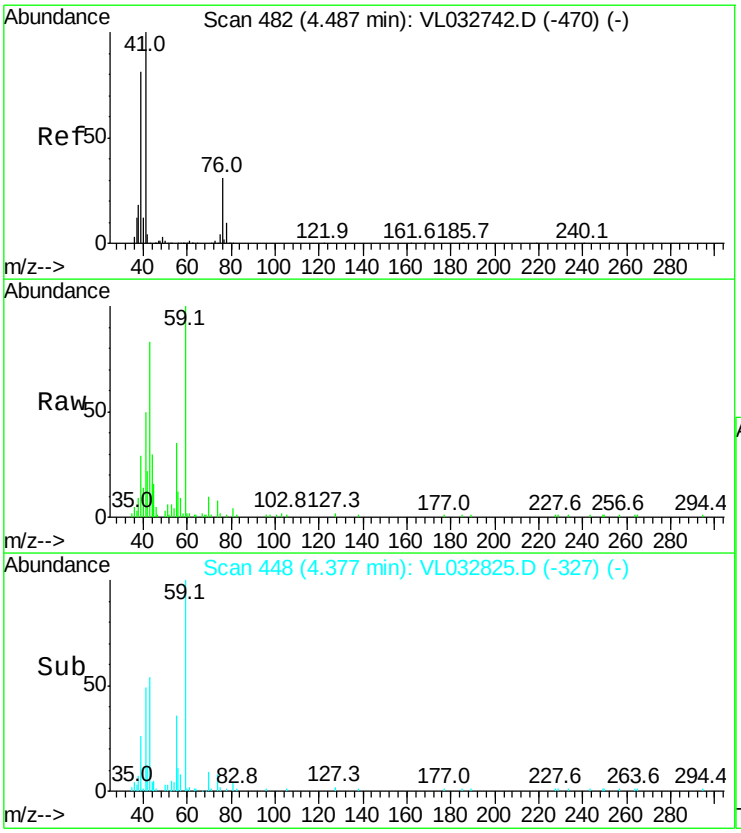
#20
Methylene Chloride
Concen: 1.554 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Tgt Ion: 84 Resp: 93814

Ion	Ratio	Lower	Upper
84	100		
49	136.7	115.8	173.6
51	45.3	36.9	55.3
86	62.0	52.4	78.6

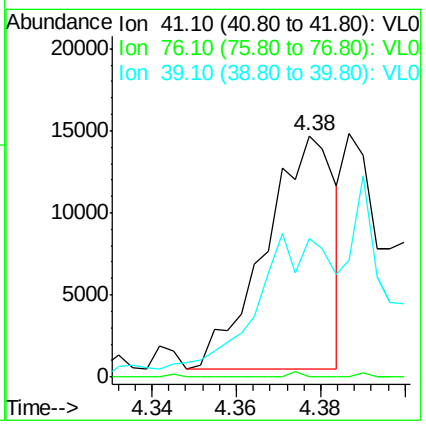


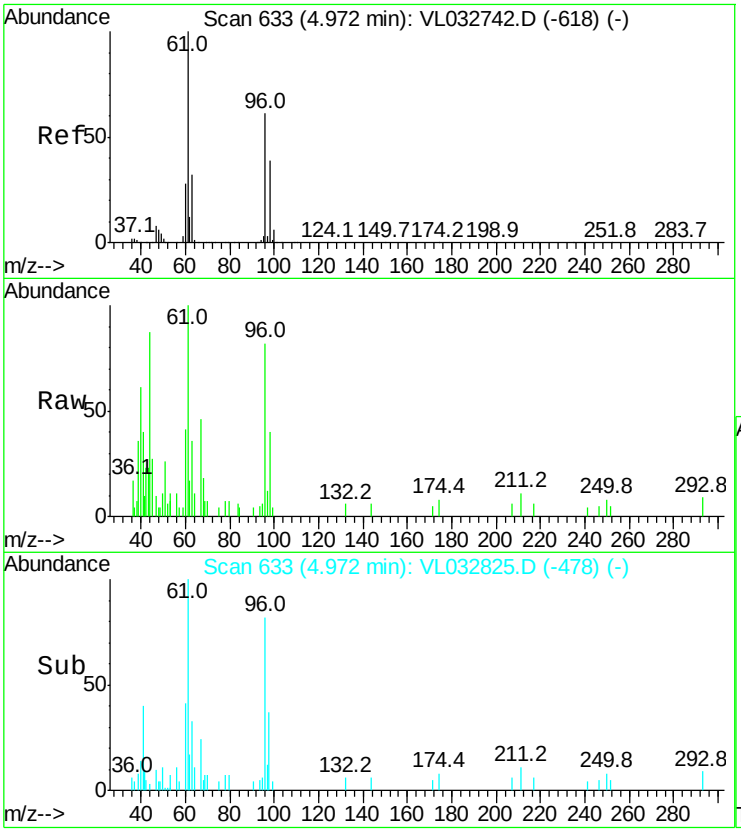


#21
Allyl Chloride
Concen: 0.166 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.11 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 41 Resp: 16318

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	105.0	63.5	95.3#



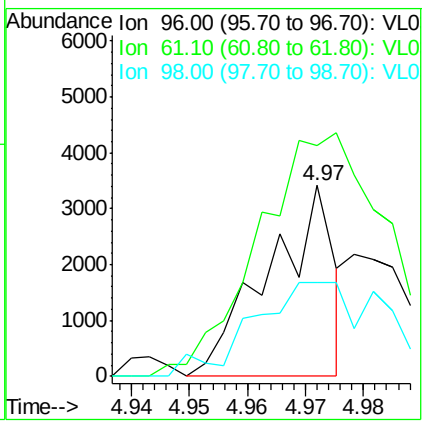


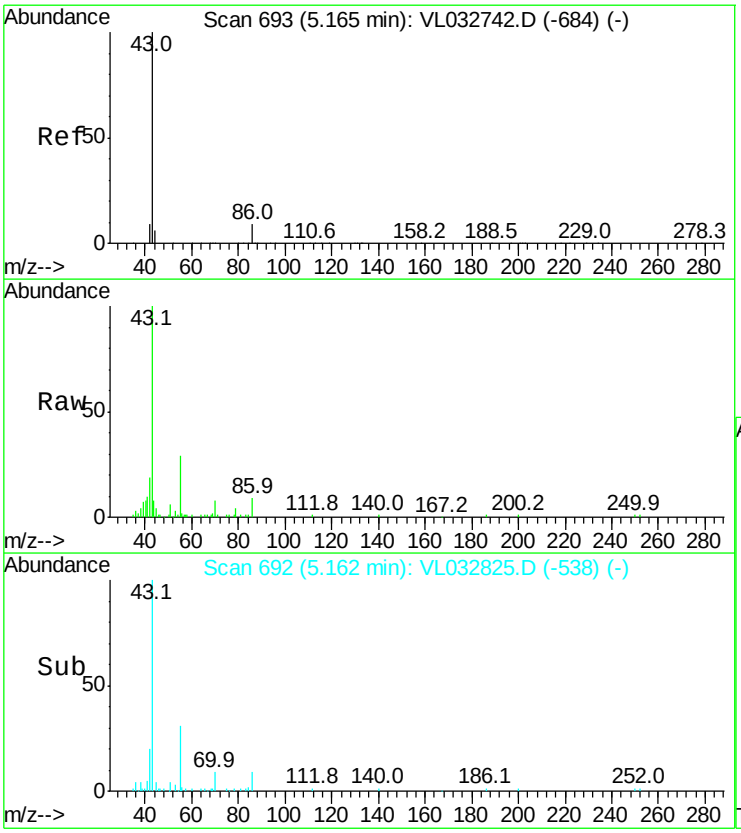
#22
trans-1,2-Dichloroethene
Concen: 0.039 ppbv
RT: 4.97 min Scan# 633
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Tgt Ion: 96 Resp: 2667

Ion	Ratio	Lower	Upper
96	100		
61	114.8	130.2	195.2#
98	37.3	50.2	75.2#

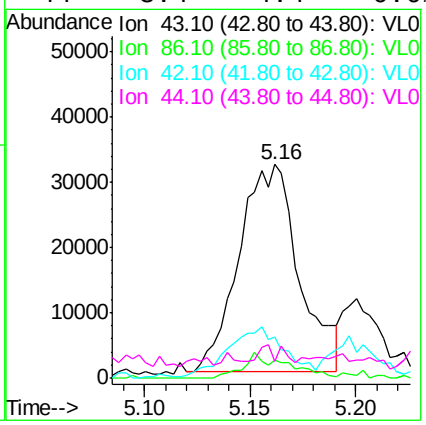


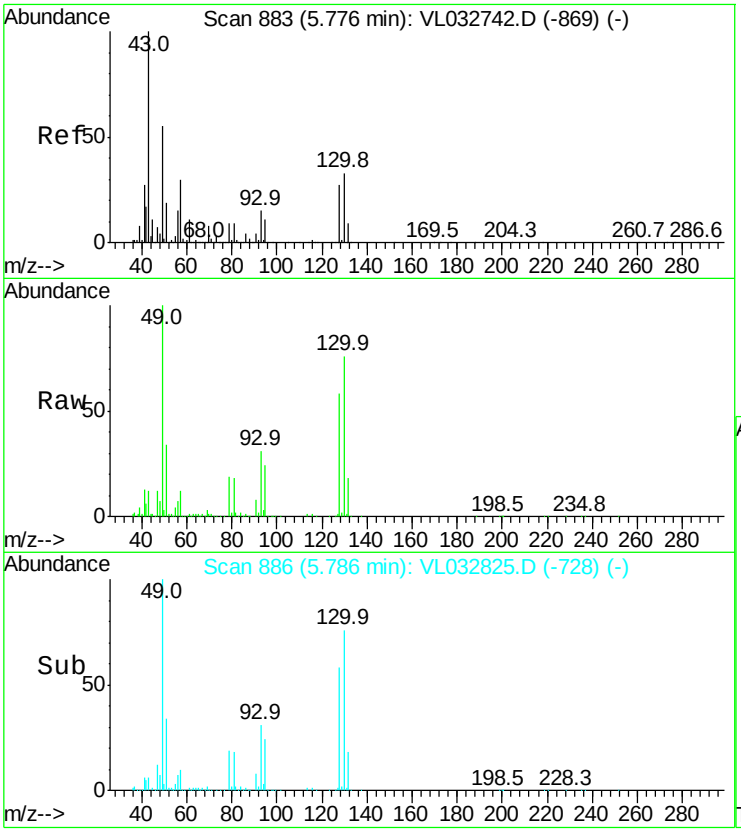


#23
Vinyl Acetate
Concen: 0.295 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 43 Resp: 62696

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.2	9.4
42	18.2	7.8	11.6#
44	3.4	4.4	6.6#



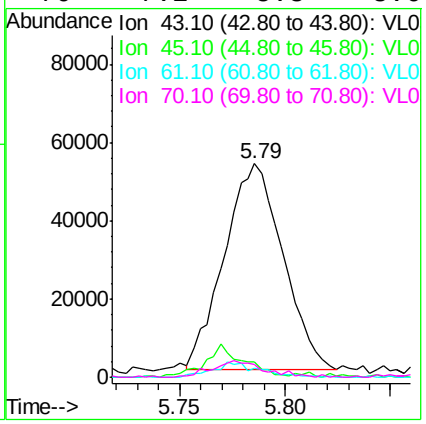


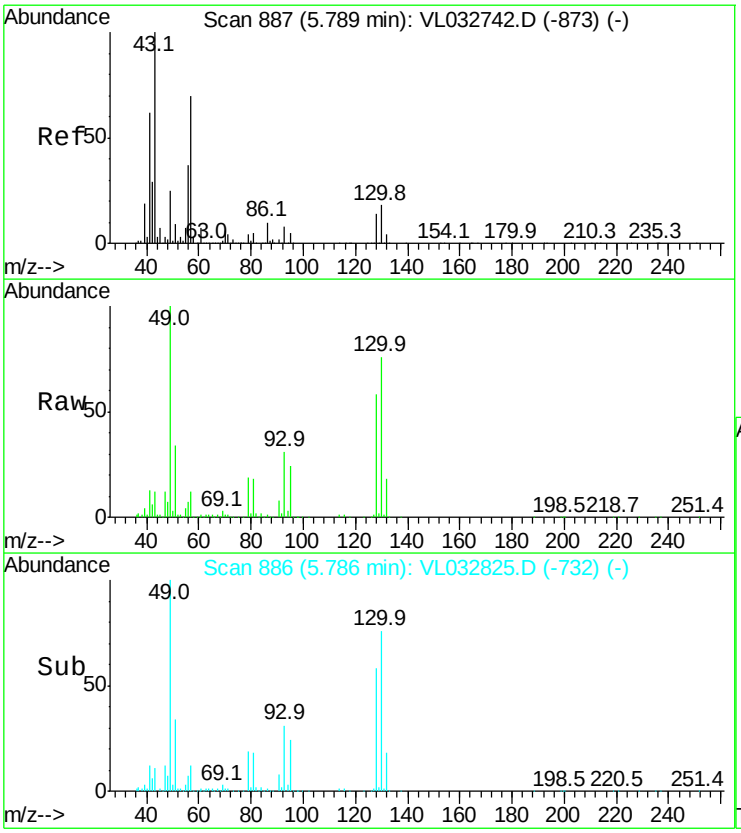
#25
Ethyl Acetate
Concen: 0.371 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Tgt Ion: 43 Resp: 100936

Ion	Ratio	Lower	Upper
43	100		
45	12.0	7.9	11.9#
61	5.9	7.8	11.6#
70	7.2	5.8	8.6

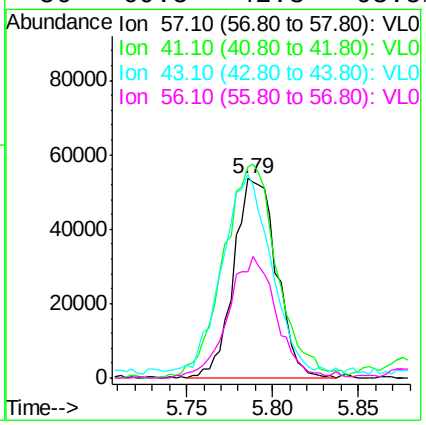


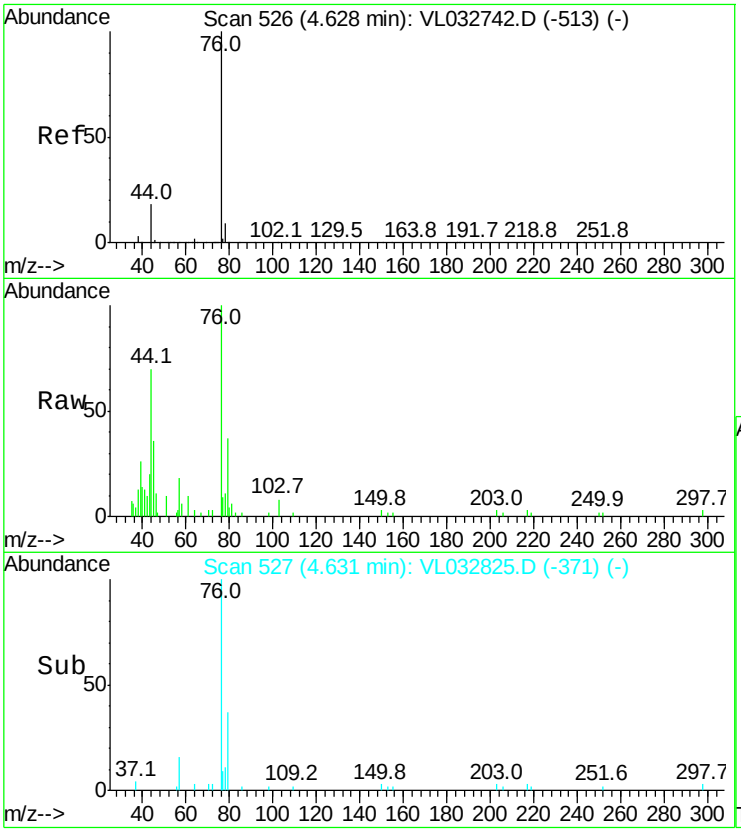


#26
Hexane
Concen: 0.764 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 57 Resp: 92515

Ion	Ratio	Lower	Upper
57	100		
41	136.7	70.3	105.5#
43	0.0	174.0	261.0#
56	69.5	42.3	63.5#



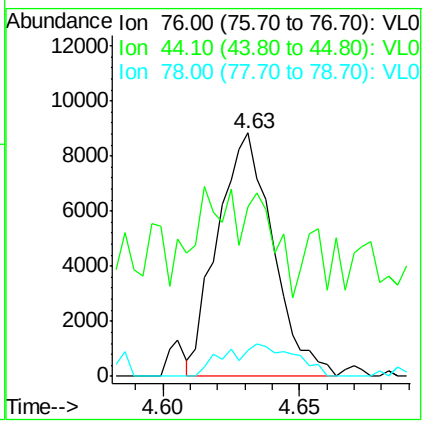


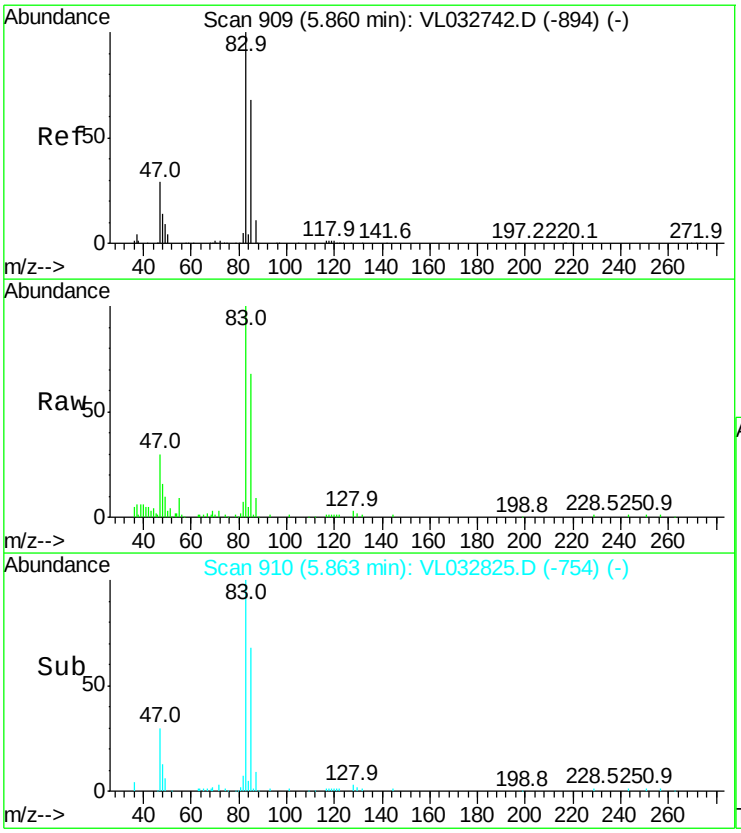
#27
Carbon Disulfide
Concen: 0.081 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 76 Resp: 12438

Ion	Ratio	Lower	Upper
76	100		
44	13.5	14.4	21.6#
78	16.5	7.7	11.5#

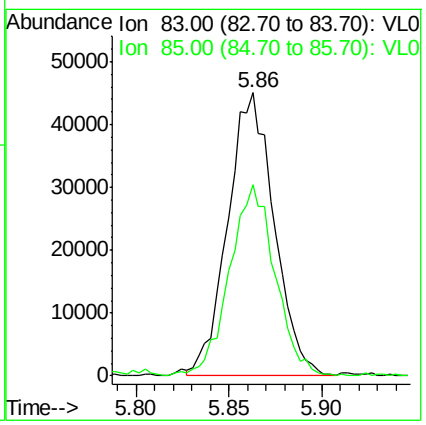


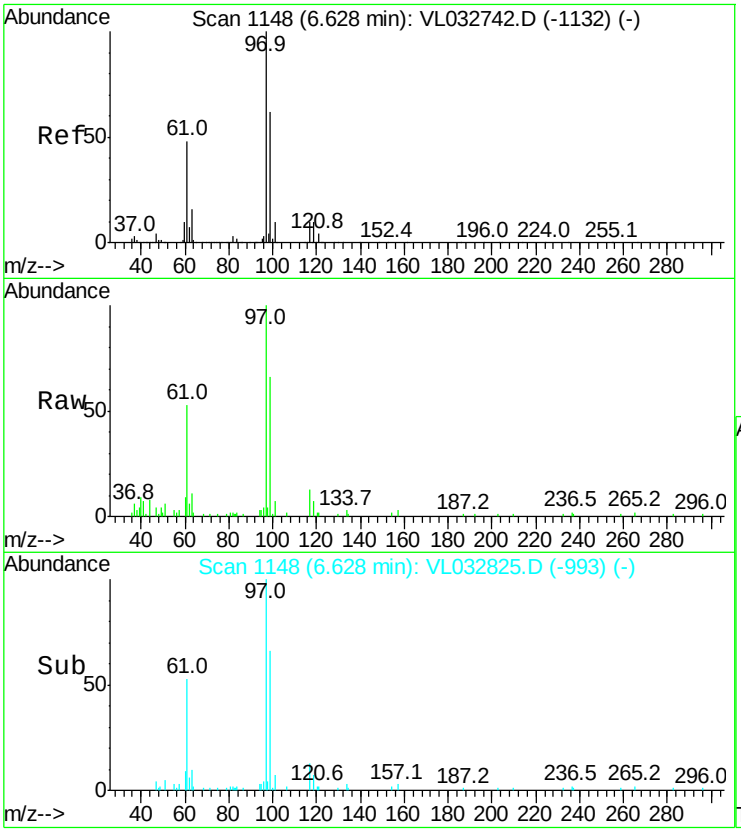


#29
Chloroform
Concen: 0.364 ppbv
RT: 5.86 min Scan# 910
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 83 Resp: 78519

Ion	Ratio	Lower	Upper
83	100		
85	67.5	54.2	81.4



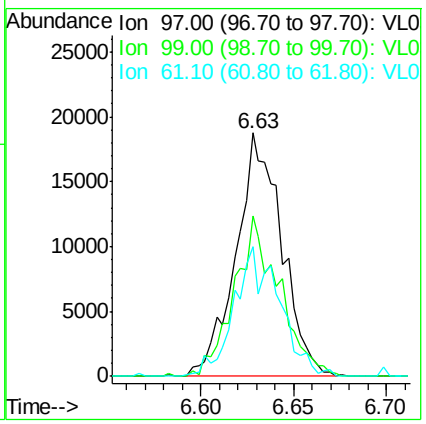


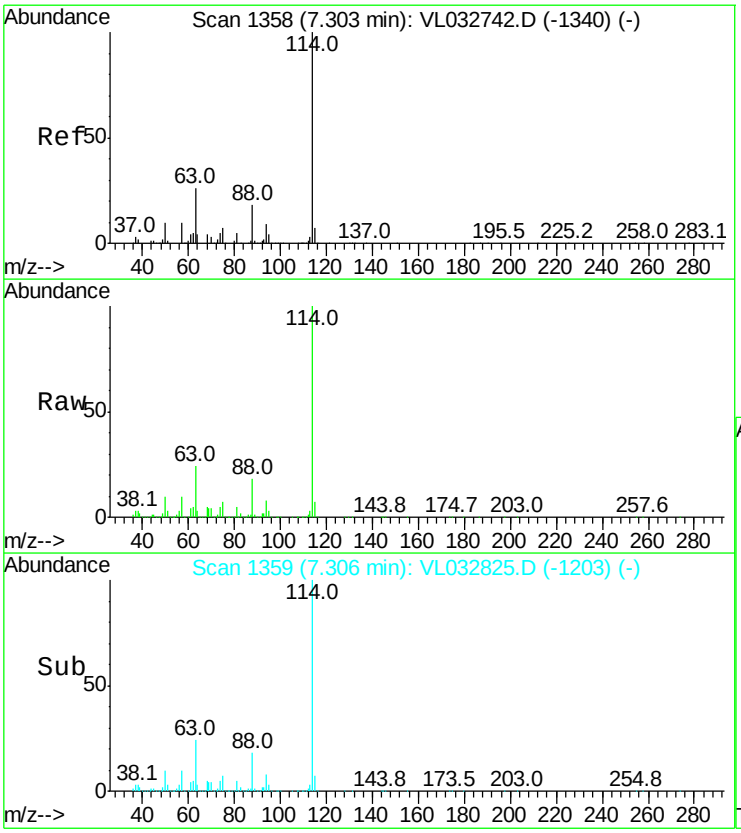
#32
1,1,1-Trichloroethane
Concen: 0.136 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 97 Resp: 32148

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	52.6	39.7	59.5

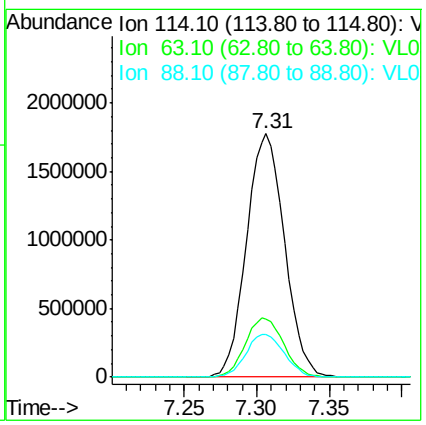


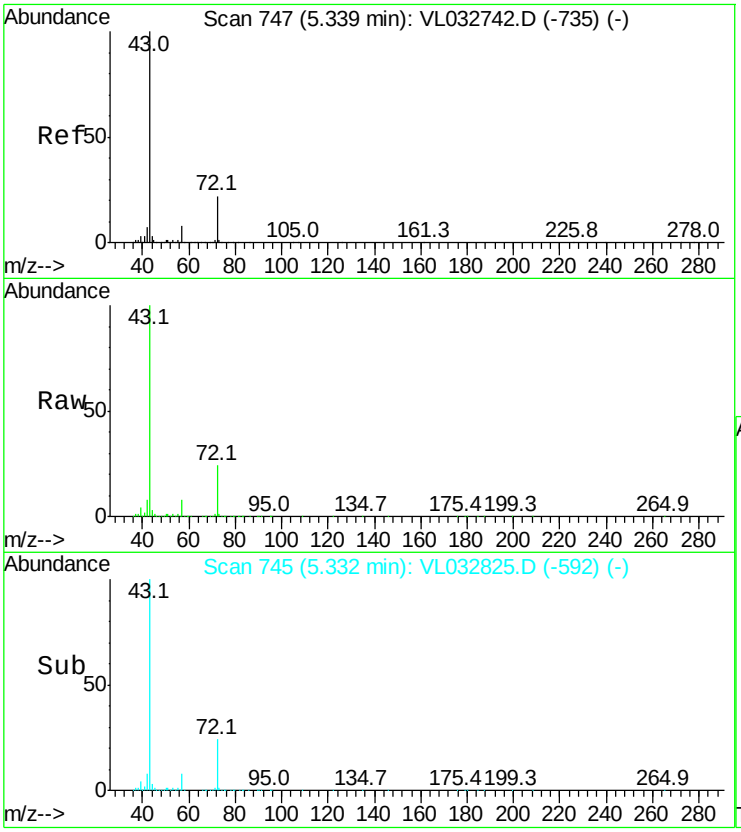


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:114 Resp: 3246540

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.9	31.3
88	17.7	14.4	21.6



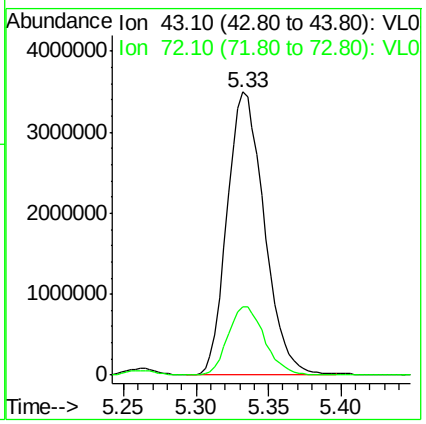


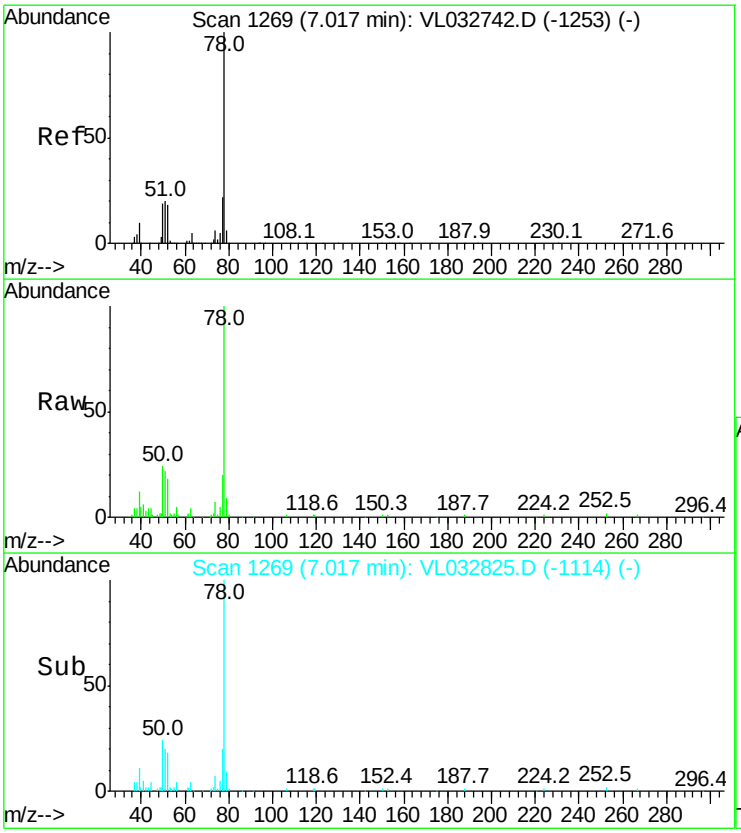
#34
2-Butanone
Concen: 36.937 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 43 Resp: 6219629

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.4	27.6

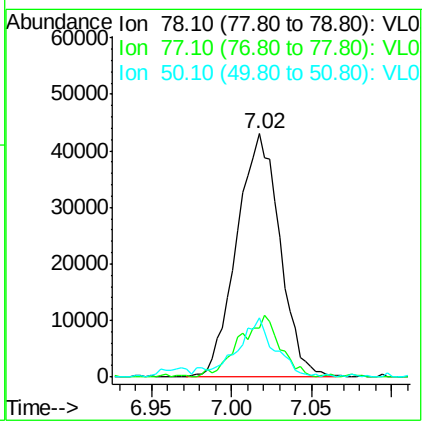


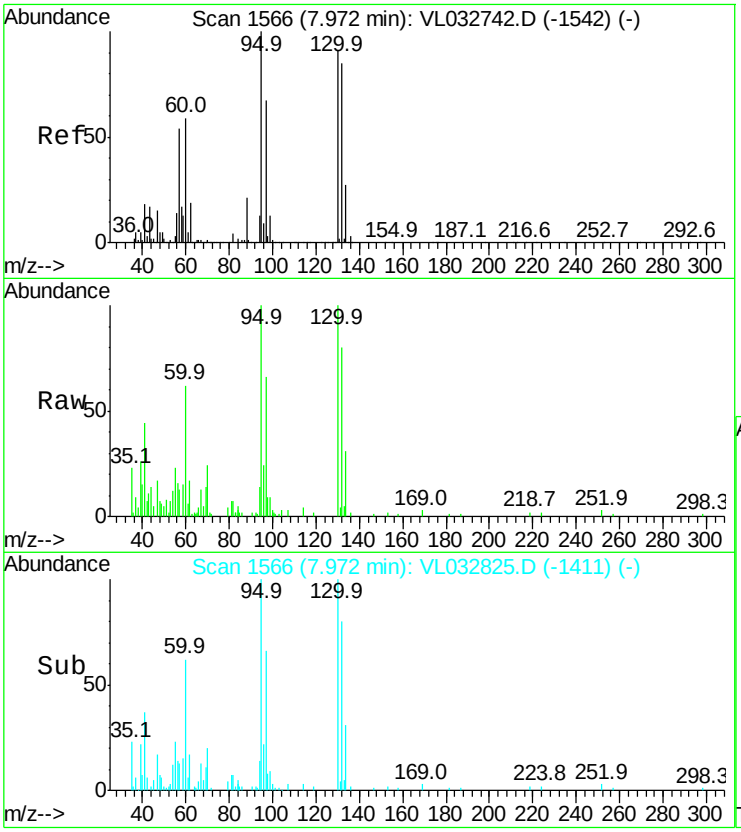


#36
Benzene
Concen: 0.307 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 78 Resp: 79241

Ion	Ratio	Lower	Upper
78	100		
77	19.9	17.8	26.8
50	24.4	15.4	23.0#



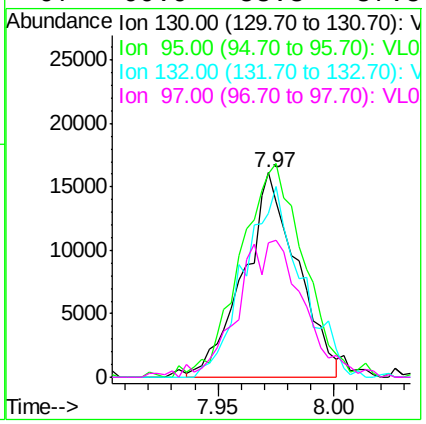


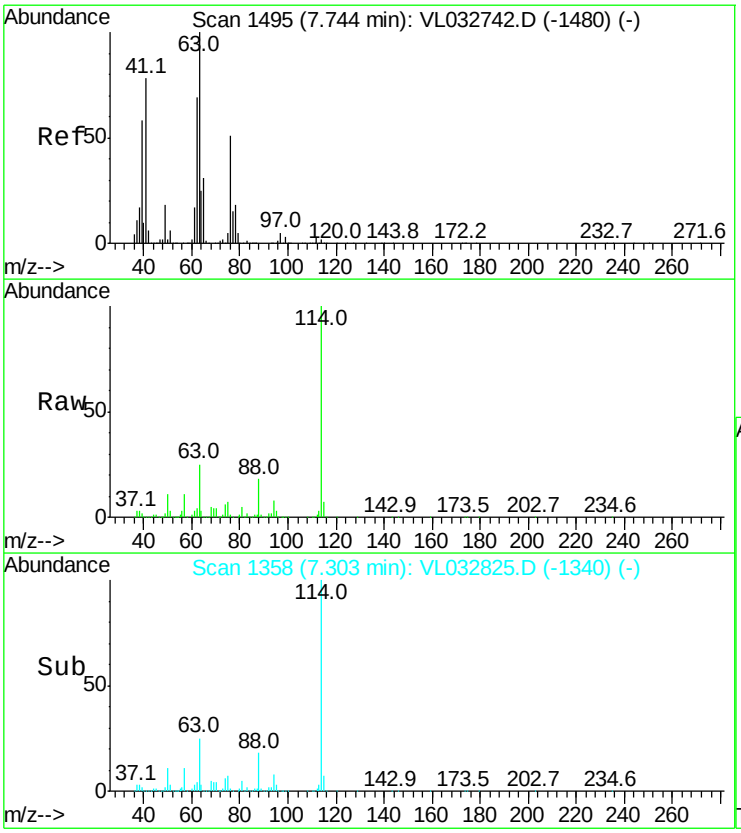
#38
Trichloroethene
Concen: 0.248 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion:130 Resp: 25936

Ion	Ratio	Lower	Upper
130	100		
95	99.3	87.7	131.5
132	81.8	74.6	111.8
97	60.9	58.3	87.5

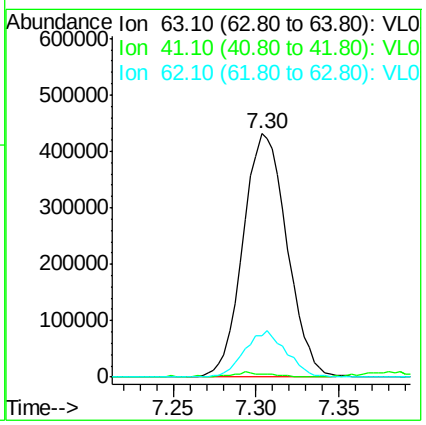


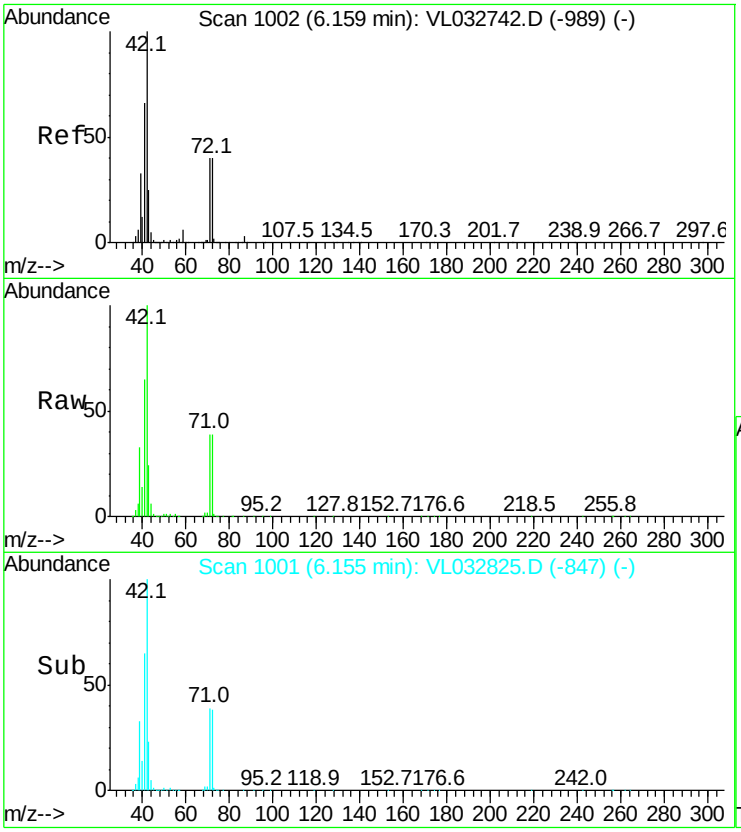


#39
1,2-Dichloropropane
Concen: 8.084 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.44 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 63 Resp: 796268

Ion	Ratio	Lower	Upper
63	100		
41	1.1	62.0	93.0#
62	17.2	55.4	83.2#



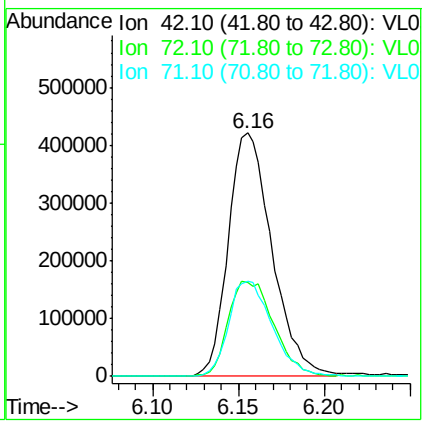


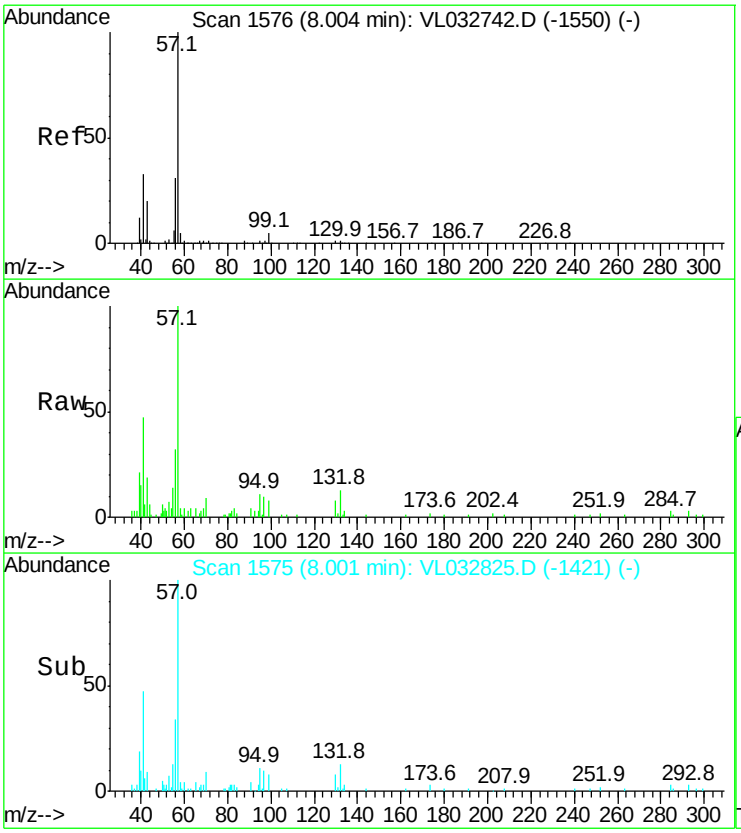
#41
Tetrahydrofuran
Concen: 7.701 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 42 Resp: 743825

Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.4	48.6
71	39.5	31.6	47.4

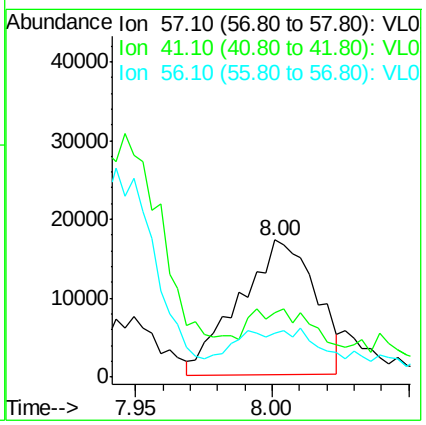


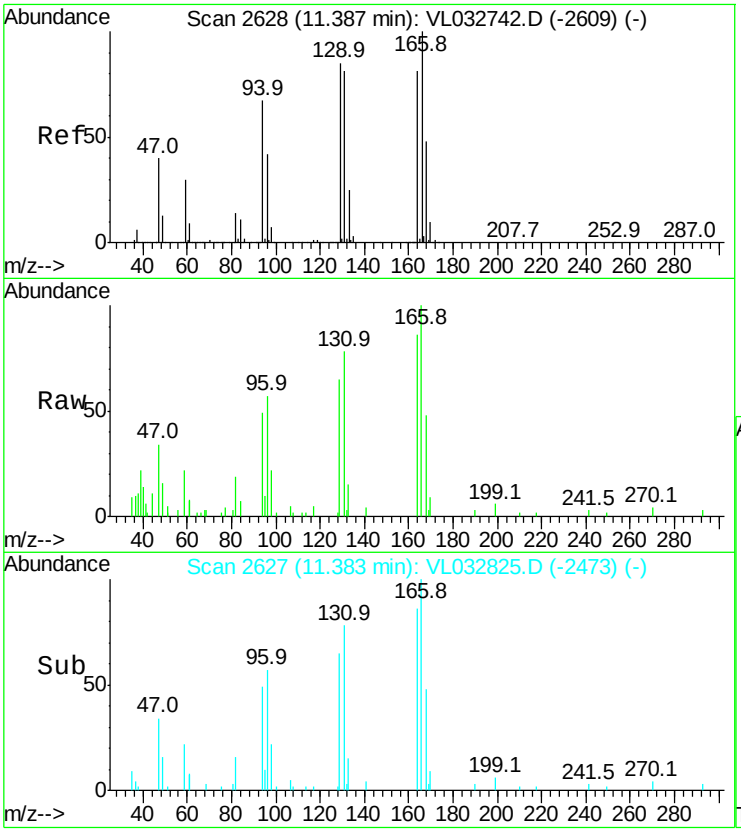


#44
2,2,4-Trimethylpentane
Concen: 0.076 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 57 Resp: 32888

Ion	Ratio	Lower	Upper
57	100		
41	75.7	26.6	39.8#
56	54.9	24.8	37.2#



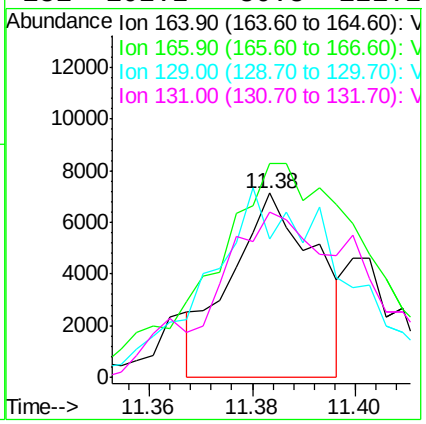


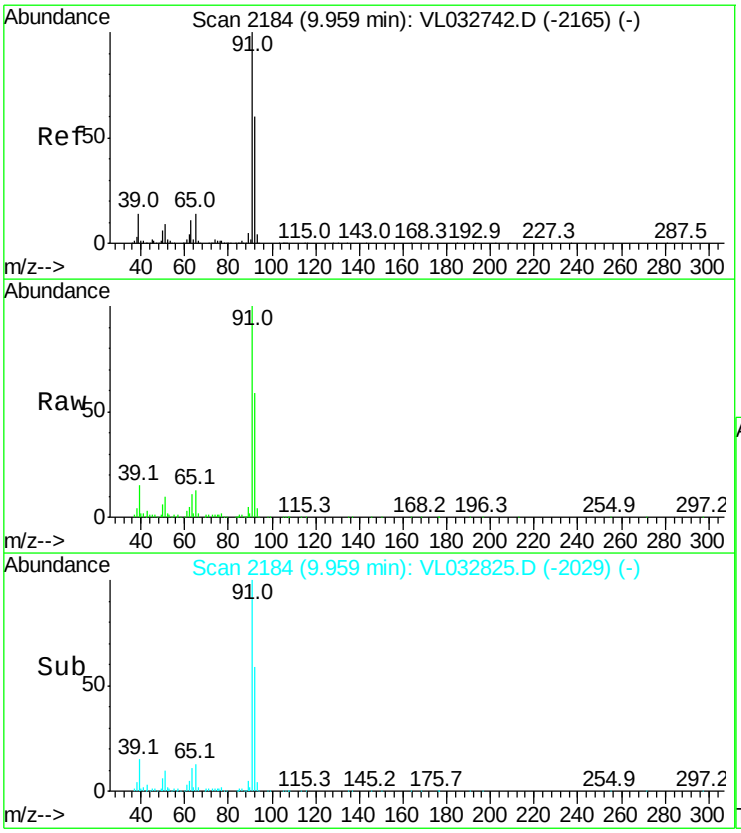
#52
Tetrachloroethene
Concen: 0.090 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Tgt Ion:164 Resp: 8130

Ion	Ratio	Lower	Upper
164	100		
166	116.7	99.3	148.9
129	67.9	83.9	125.9#
131	102.2	80.8	121.2

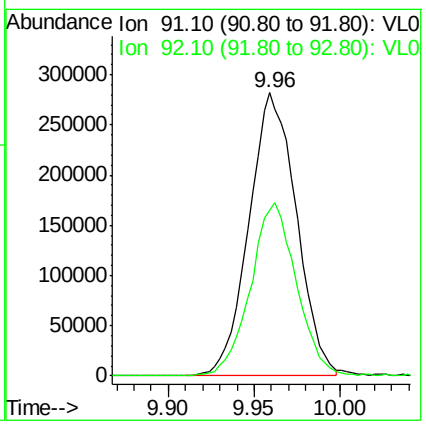


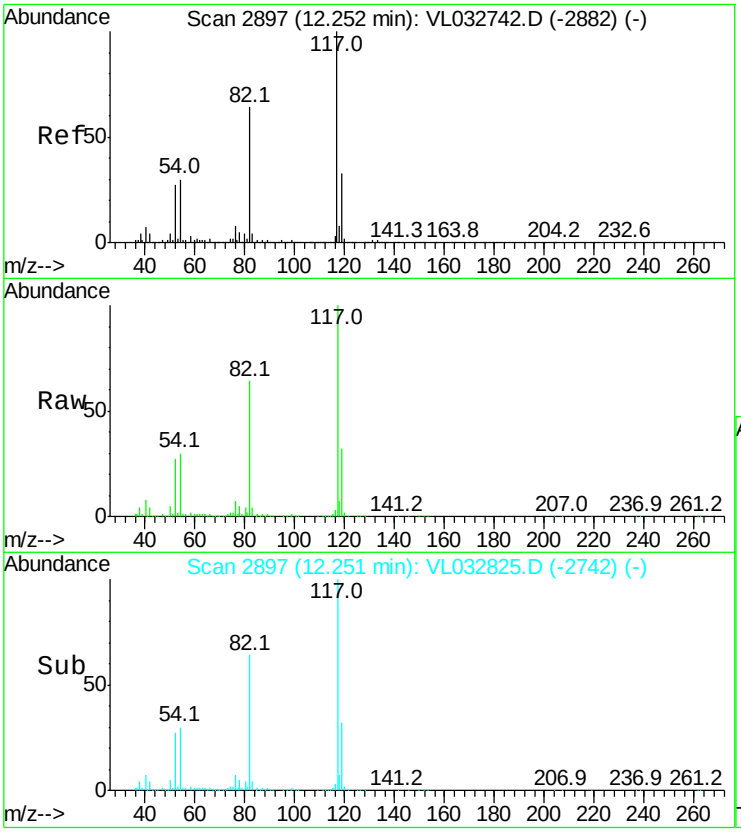


#53
Toluene
Concen: 2.000 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 91 Resp: 539312

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.9	71.9



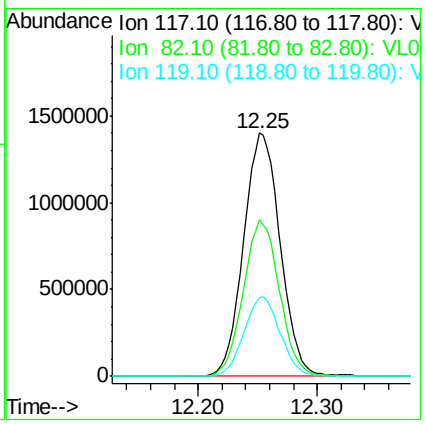


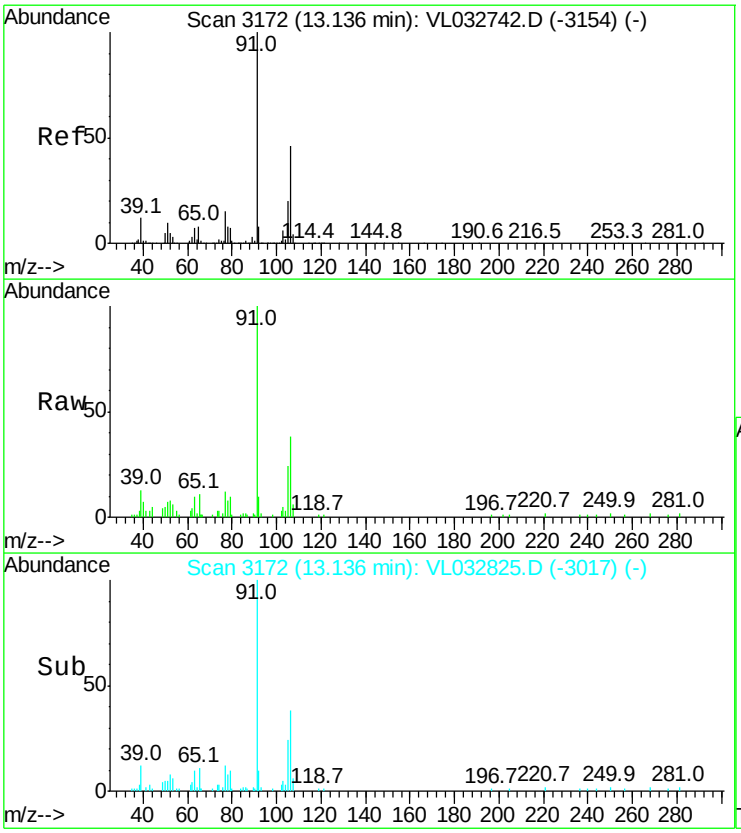
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Tgt Ion:117 Resp: 2982860

Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.0	76.6
119	32.5	28.0	42.0

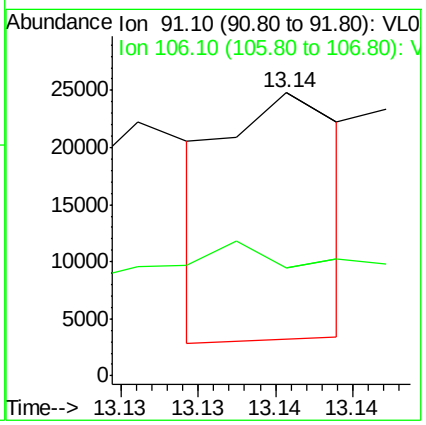


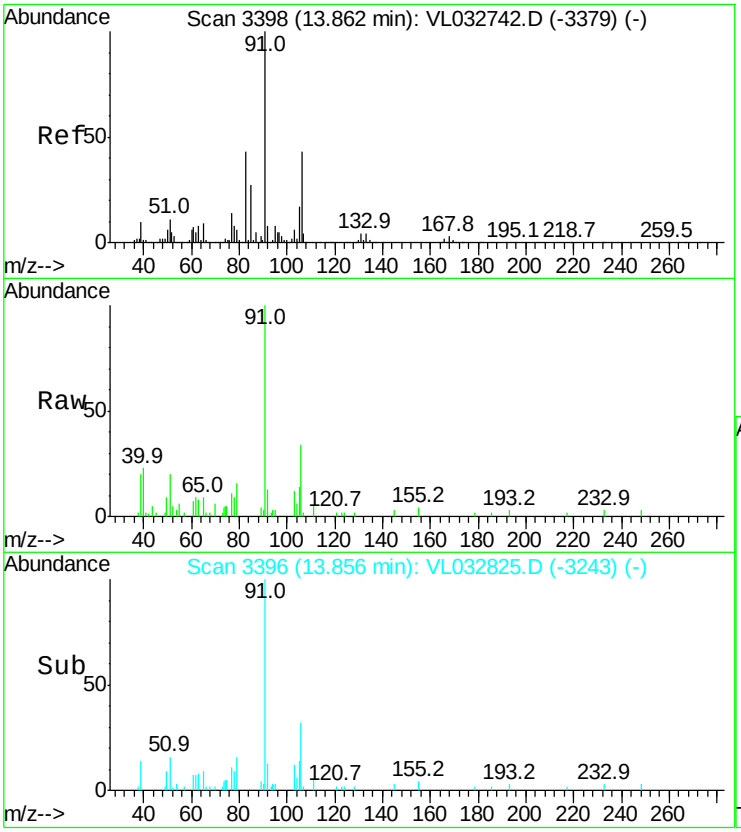


#59
m/p-Xylene
Concen: 0.035 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 91 Resp: 11301

Ion	Ratio	Lower	Upper
91	100		
106	311.0	36.1	54.1#



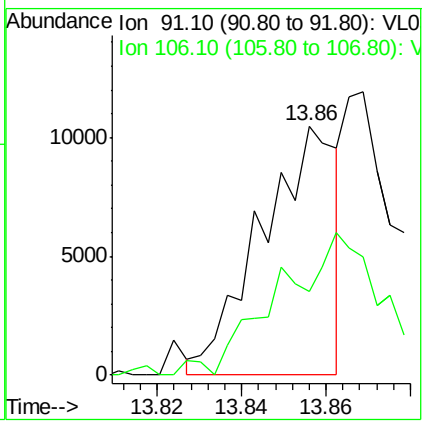


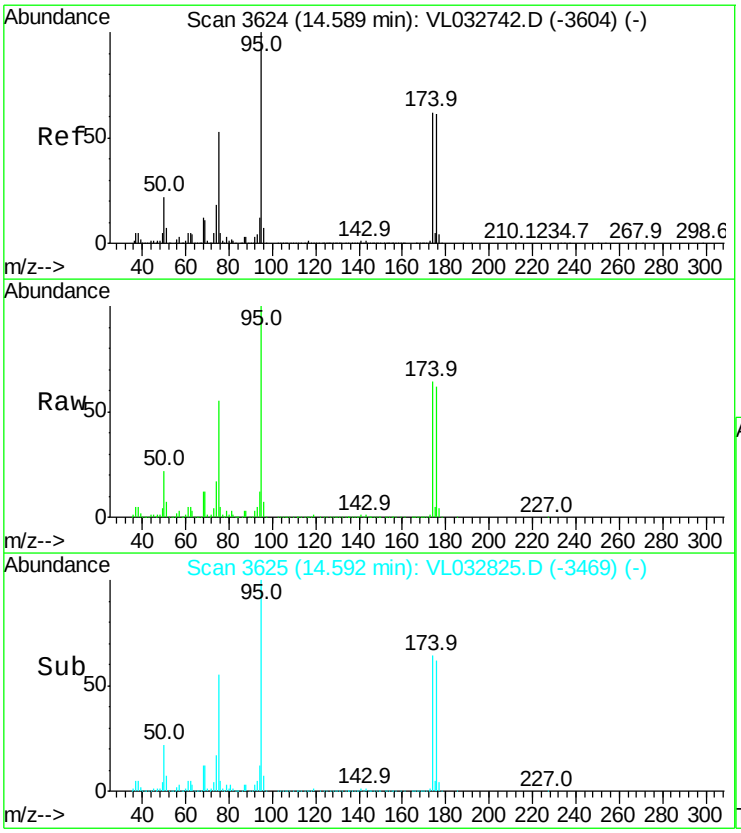
#60
o-Xylene
Concen: 0.040 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Tgt Ion: 91 Resp: 12909

Ion	Ratio	Lower	Upper
91	100		
106	89.8	21.9	65.7#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.854 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 95 Resp: 2198473

Ion	Ratio	Lower	Upper
95	100		
174	66.1	50.7	76.1
175	5.1	3.8	5.6