Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122121\
Data File : VL038225.D
Acq On : 21 Dec 2021 22:57
Operator : SY/AP
Sample : M5118-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 22 08:29:21 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 21 17:47:08 2021
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	646084	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	1833318	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	1555688	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1237653	10.32	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	37537	0.308	ppbv		94
3) Chlorodifluoromethane	3.01	51	49468	0.364	ppbv	#	91
4) Chloromethane	3.15	50	12197	0.259	ppbv		95
9) Propene	3.22	41	33397	0.708	ppbv		84
10) Heptane	8.13	43	8835	0.074	ppbv	#	39
11) Trichlorofluoromethane	3.97	101	27872	0.249	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.51	101	4621	0.055	ppbv		87
13) Ethanol	3.62	45	188886	23.634	ppbv	#	100
15) Acetone	3.87	43	298201	4.599	ppbv		91
16) 1,3-Butadiene	3.32	39	4425	0.100	ppbv		92
19) Isopropyl Alcohol	3.99	45	219153	5.419	ppbv	#	40
20) Methylene Chloride	4.36	84	220101	6.012	ppbv		93
23) Vinyl Acetate	5.08	43	12707	0.145	ppbv	#	26
25) Ethyl Acetate	5.70	43	156730	0.892	ppbv	#	78
26) Hexane	5.70	57	212831	2.415	ppbv	#	46
34) 2-Butanone	5.26	43	29944	0.543	ppbv		96
35) Carbon Tetrachloride	7.03	117	6055	0.054	ppbv	#	89
36) Benzene	6.90	78	54594	0.319	ppbv		99
39) 1,2-Dichloropropane	7.19	63	469040	7.127	ppbv	#	25
41) Tetrahydrofuran	6.07	42	1843	0.046	ppbv	#	37
44) 2,2,4-Trimethylpentane	7.88	57	60751	0.209	ppbv	#	78
53) Toluene	9.81	91	136110	0.690	ppbv		99
58) Ethyl Benzene	12.71	91	11056	0.046	ppbv		92
59) m/p-Xylene	13.01	91	13959	0.068	ppbv	#	30
60) o-Xylene	13.70	91	13499	0.071	ppbv	#	30

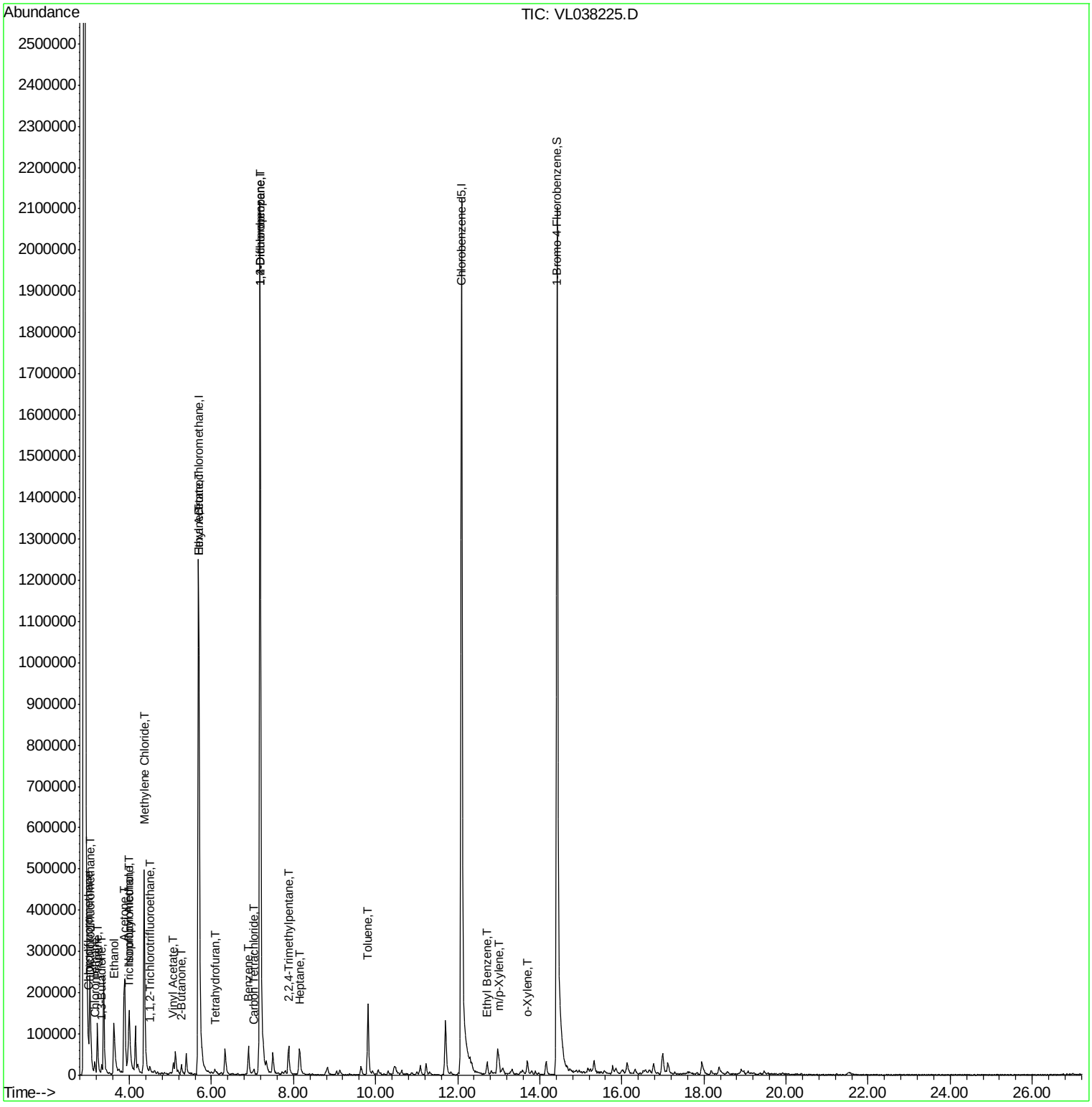
(#) = qualifier out of range (m) = manual integration (+) = signals summed

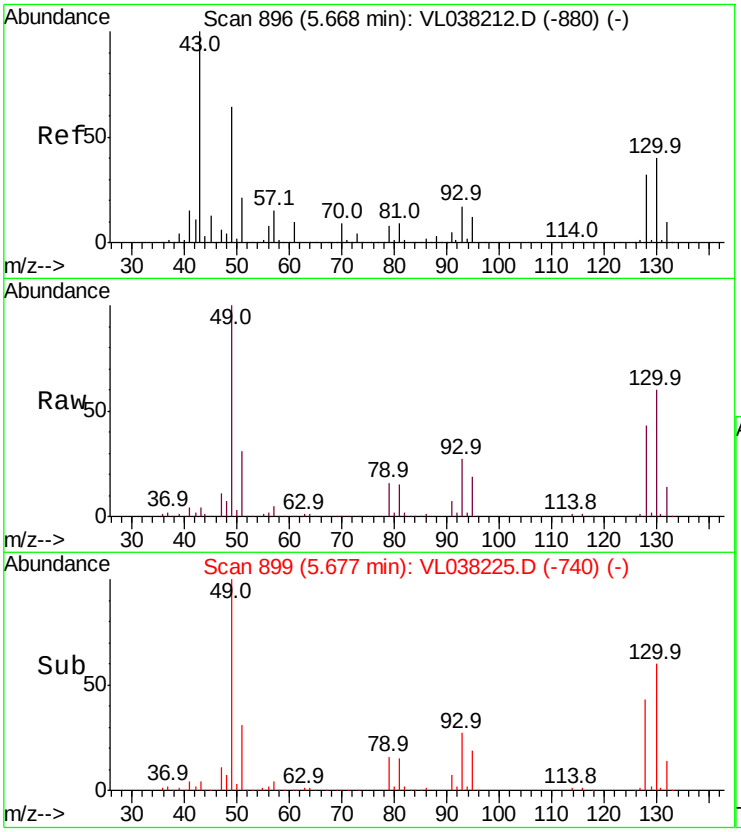
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122121\
Data File : VL038225.D
Acq On : 21 Dec 2021 22:57
Operator : SY/AP
Sample : M5118-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 22 08:29:21 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 21 17:47:08 2021
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration



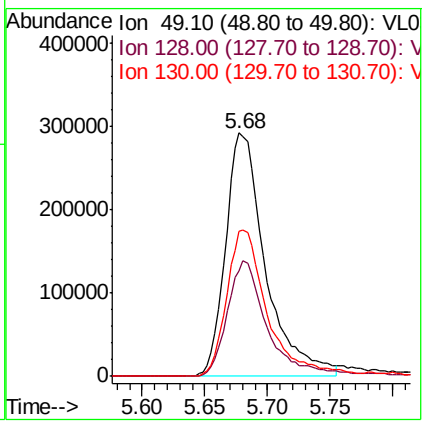


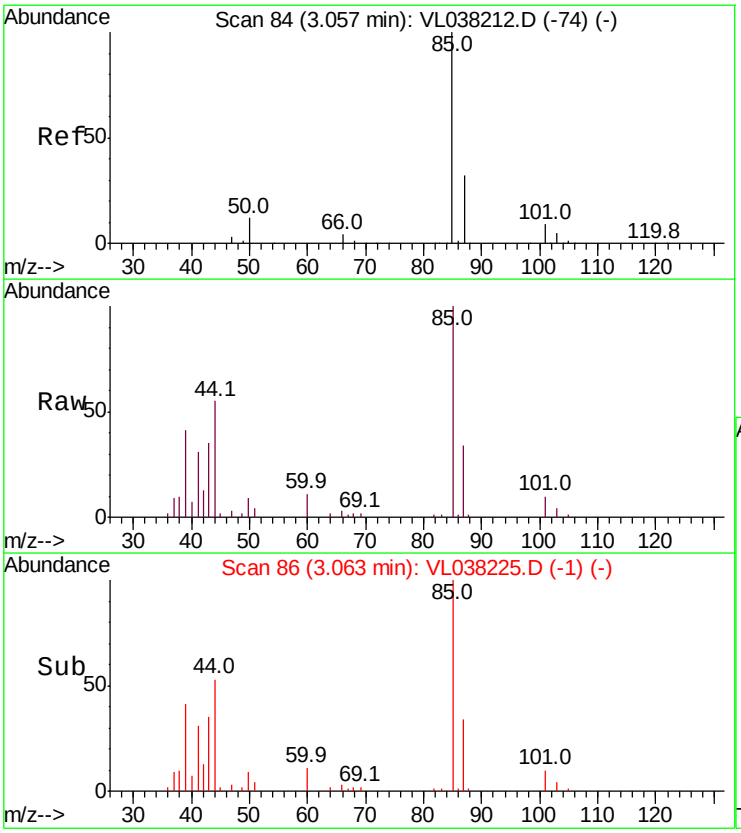
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 646084

Ion	Ratio	Lower	Upper
49	100		
128	49.1	26.9	80.6
130	62.9	32.3	96.9

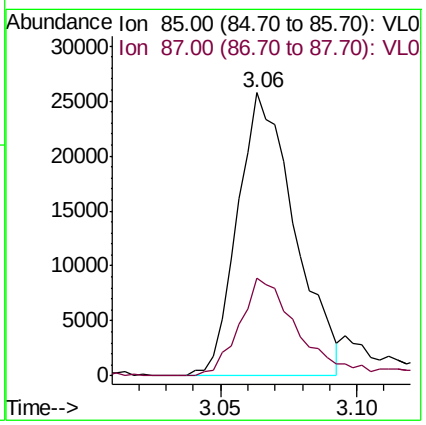


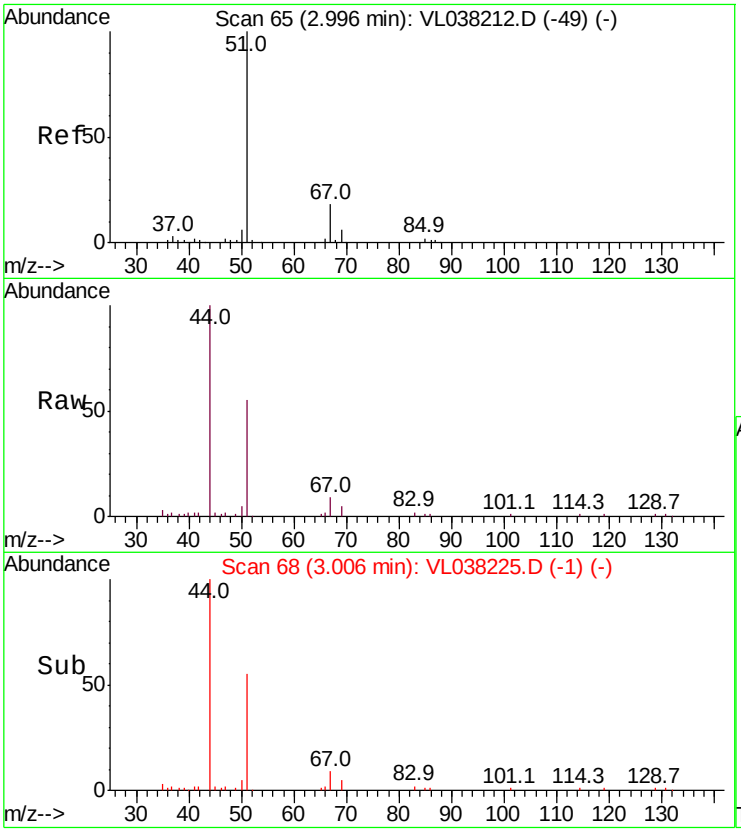


#2
Dichlorodifluoromethane
Concen: 0.308 ppbv
RT: 3.06 min Scan# 86
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 85 Resp: 37537

Ion	Ratio	Lower	Upper
85	100		
87	35.2	25.4	38.2



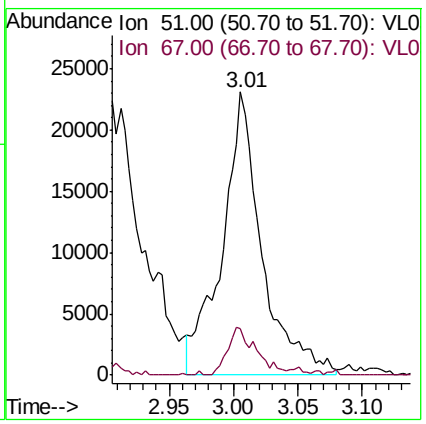


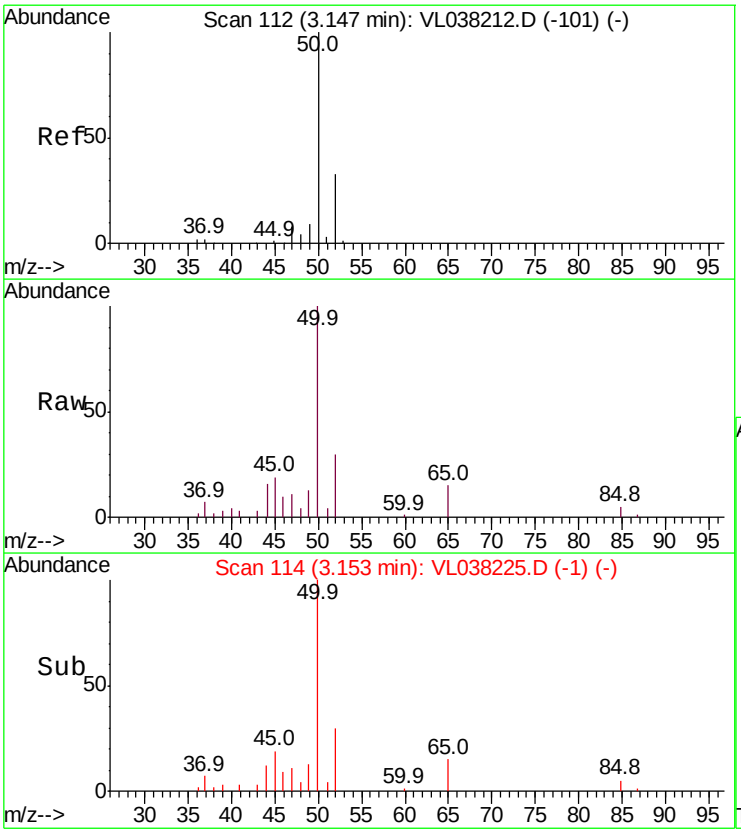
#3
Chlorodifluoromethane
Concen: 0.364 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 49468

Ion	Ratio	Lower	Upper
51	100		
67	13.4	14.0	21.0#

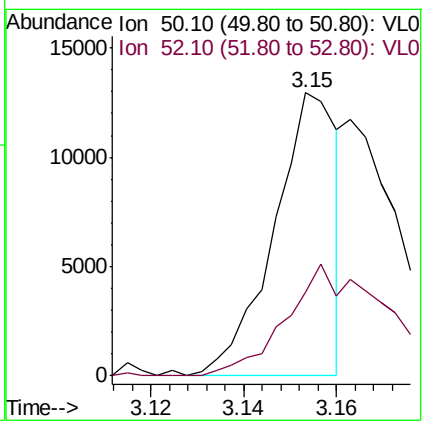


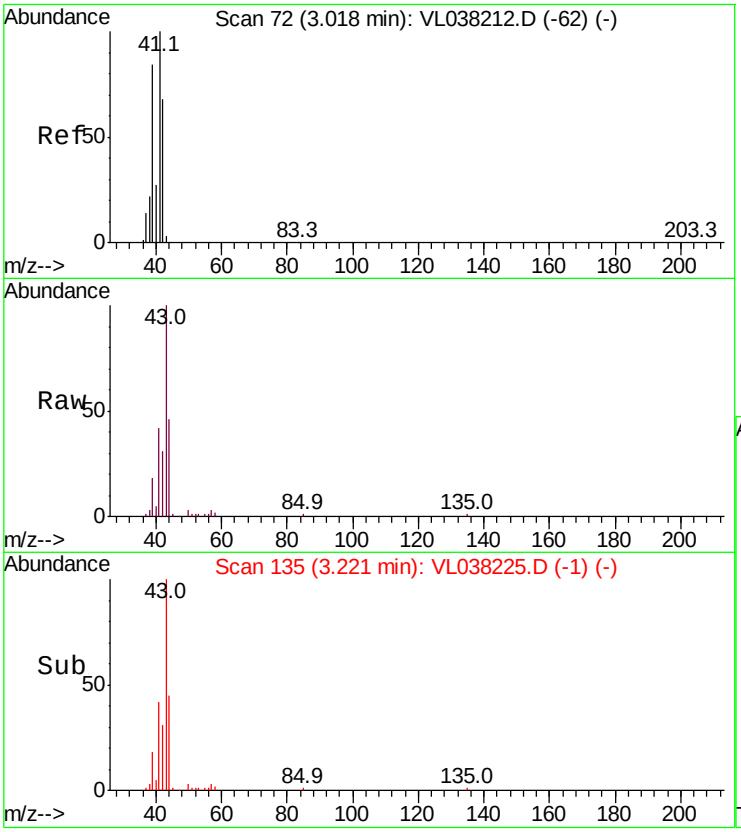


#4
Chloromethane
Concen: 0.259 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 50 Resp: 12197

Ion	Ratio	Lower	Upper
50	100		
52	29.6	26.2	39.2



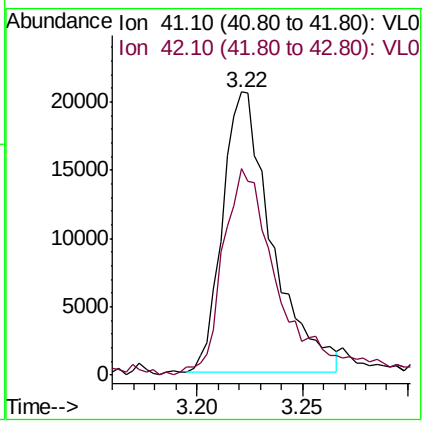


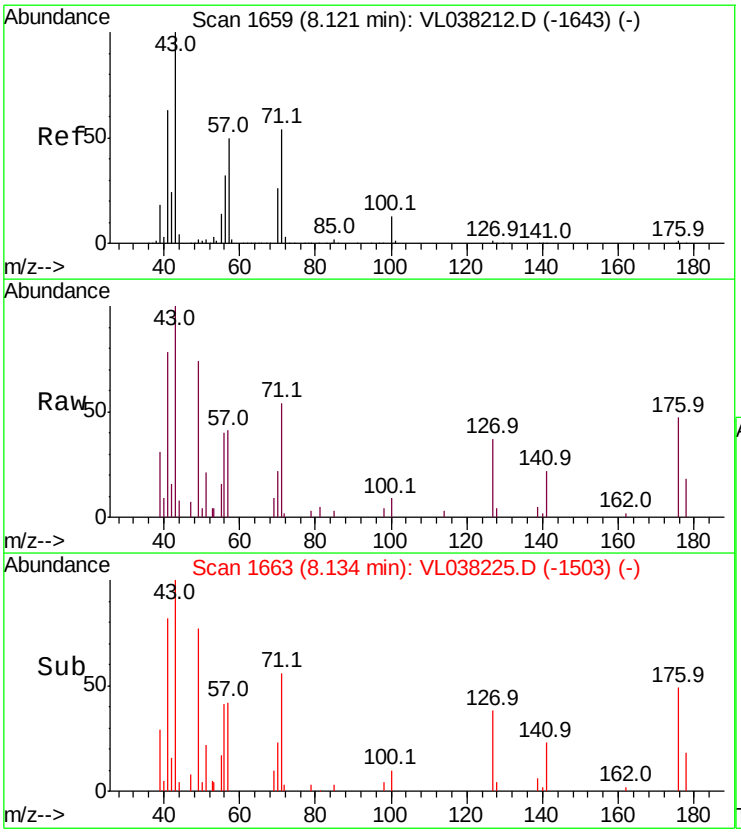
#9
Propene
Concen: 0.708 ppbv
RT: 3.22
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 33397

Ion	Ratio	Lower	Upper
41	100		
42	82.3	55.5	83.3

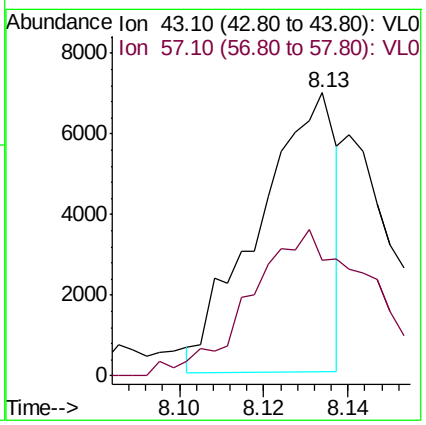


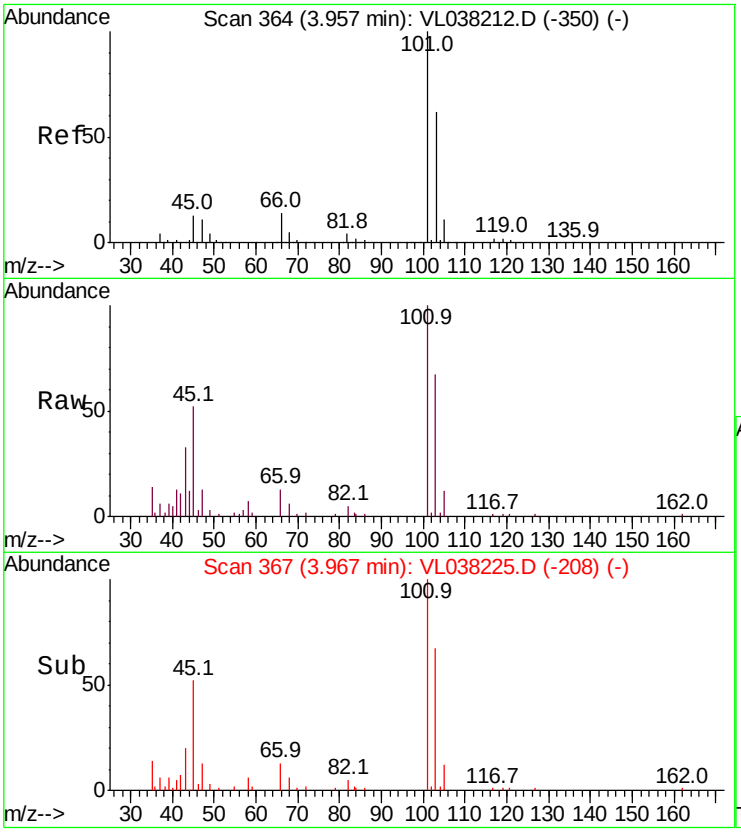


#10
Heptane
Concen: 0.074 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 43 Resp: 8835

Ion	Ratio	Lower	Upper
43	100		
57	92.8	40.3	60.5#



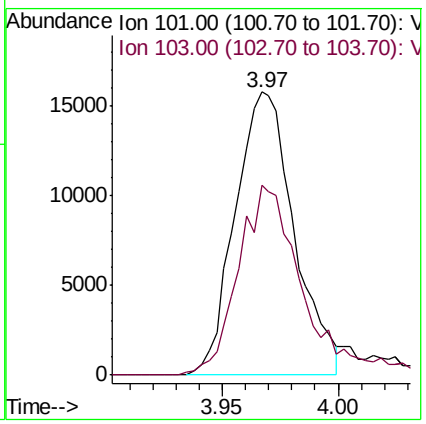


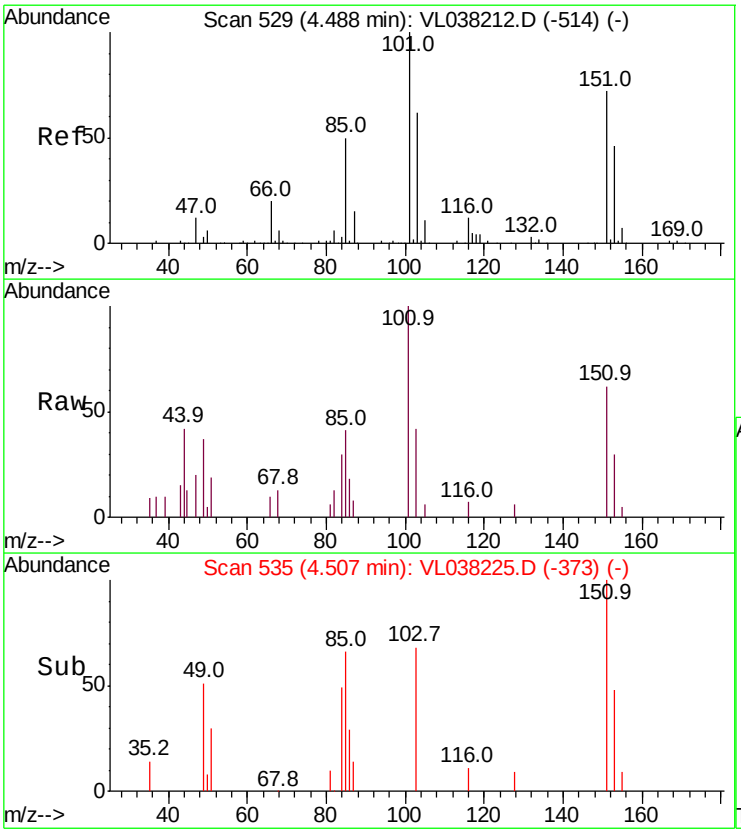
#11
Trichlorofluoromethane
Concen: 0.249 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 27872

Ion	Ratio	Lower	Upper
101	100		
103	65.9	49.9	74.9

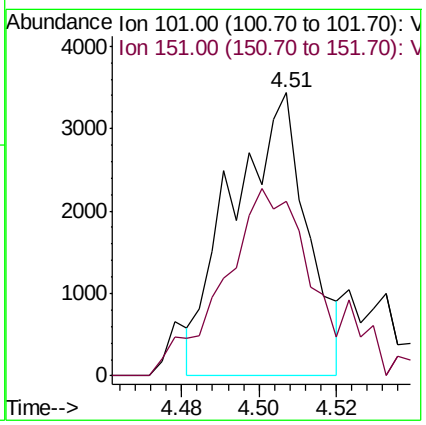


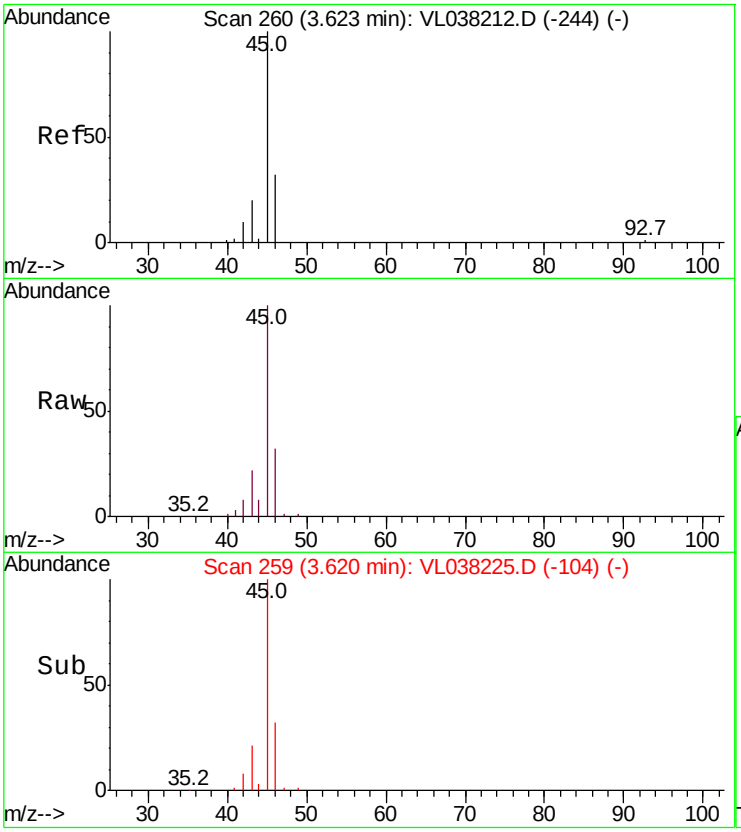


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.055 ppbv
RT: 4.51 min Scan# 535
Delta R.T. 0.02 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion:101 Resp: 4621

Ion	Ratio	Lower	Upper
101	100		
151	84.3	58.6	87.8



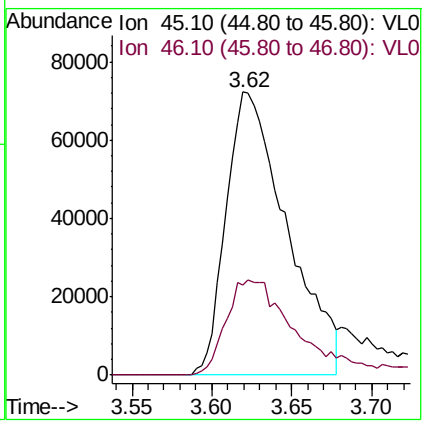


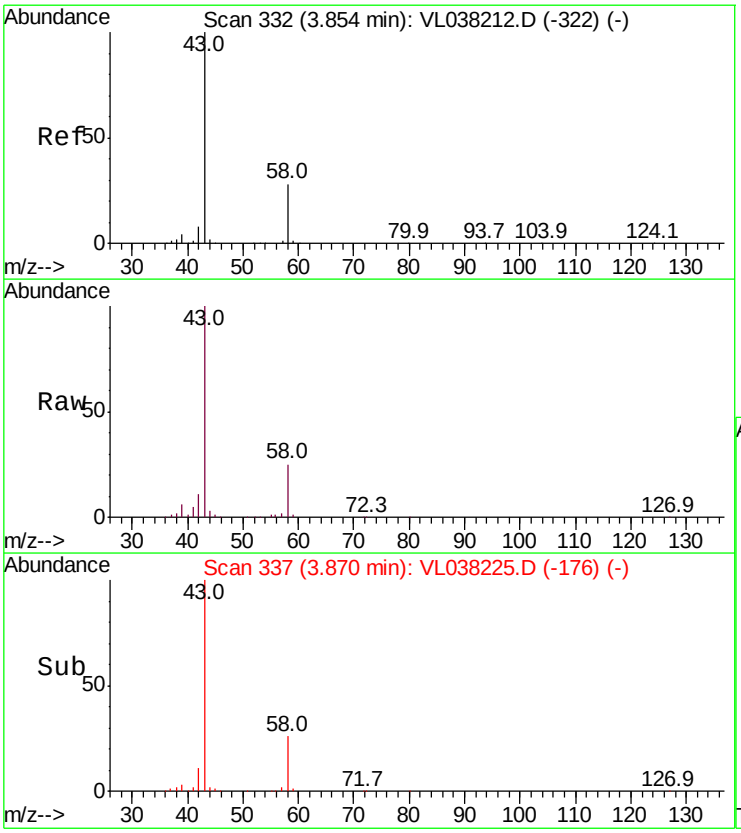
#13
Ethanol
Concen: 23.634 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 188886

Ion	Ratio	Lower	Upper
45	100		
46	42.5	0.0	0.0#

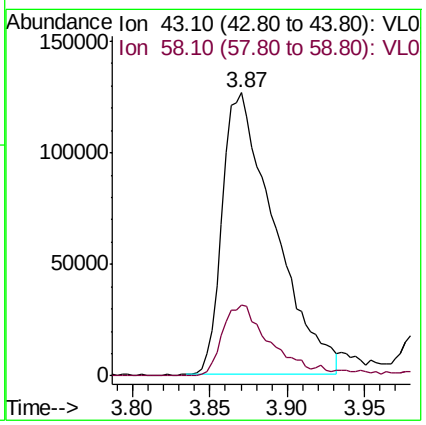


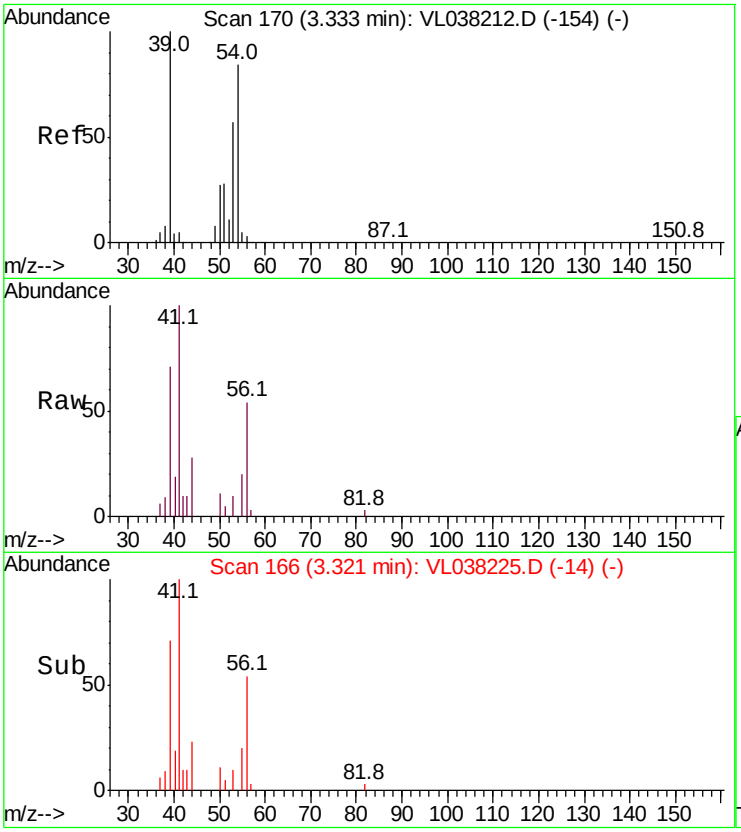


#15
Acetone
Concen: 4.599 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 43 Resp: 298201

Ion	Ratio	Lower	Upper
43	100		
58	24.4	23.3	34.9



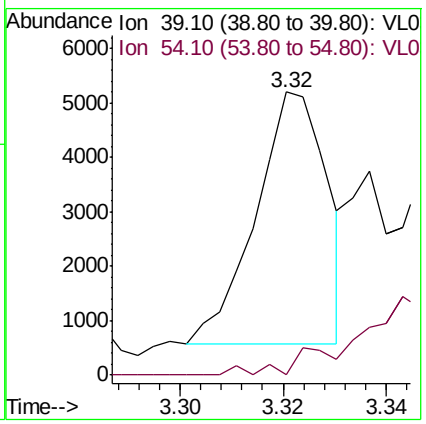


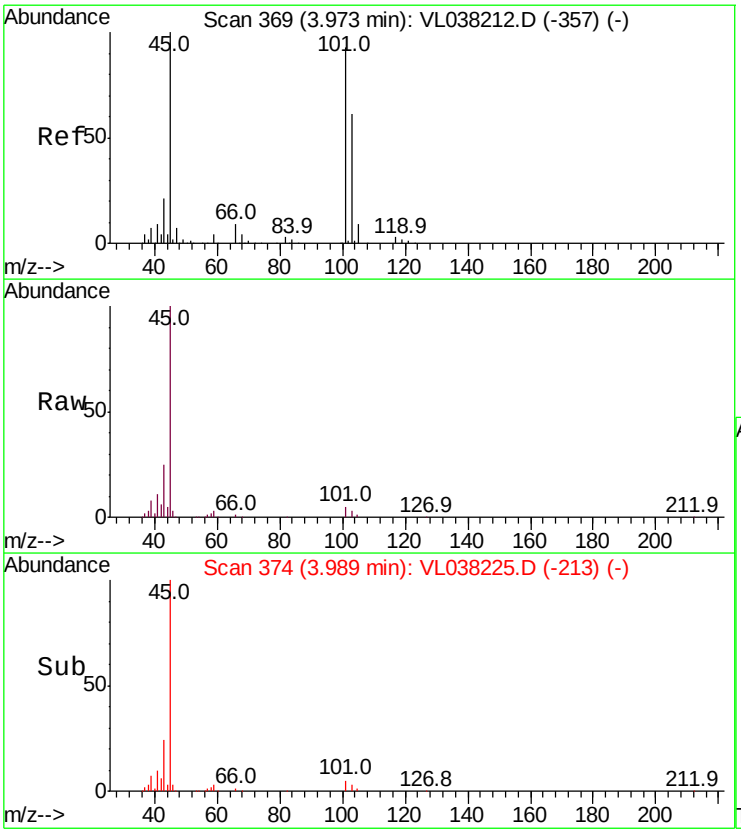
#16
1,3-Butadiene
Concen: 0.100 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 4425

Ion	Ratio	Lower	Upper
39	100		
54	71.4	62.9	94.3

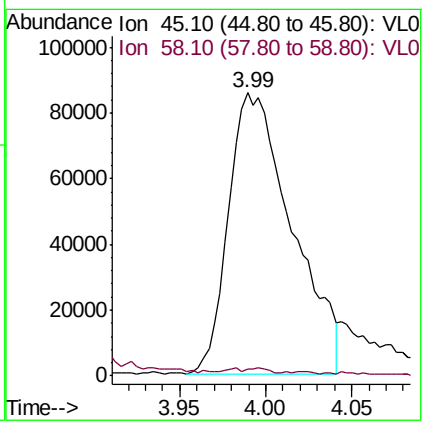


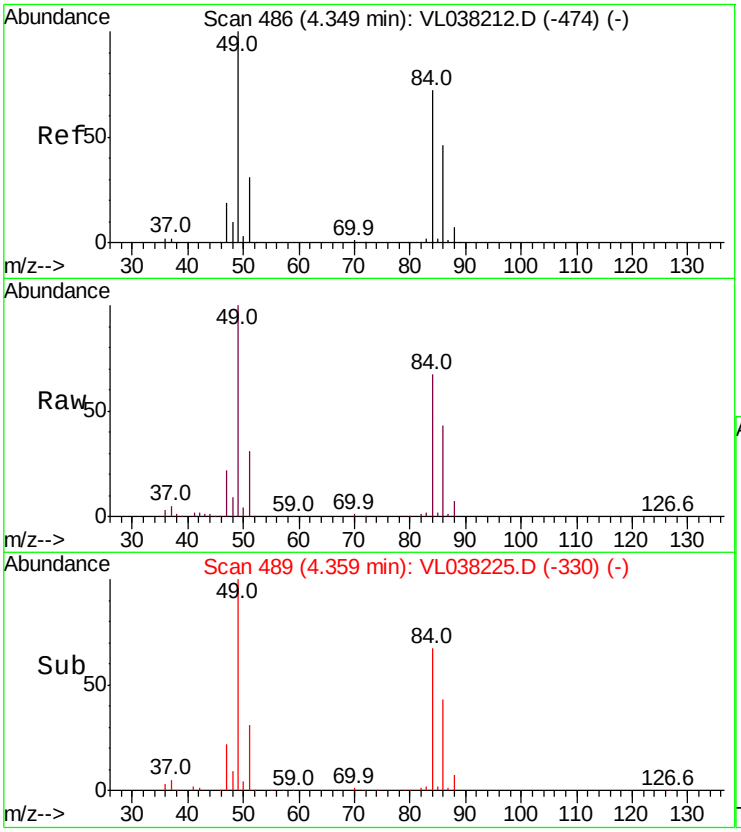


#19
Isopropyl Alcohol
Concen: 5.419 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 45 Resp: 219153

Ion	Ratio	Lower	Upper
45	100		
58	3.1	32.4	48.6#



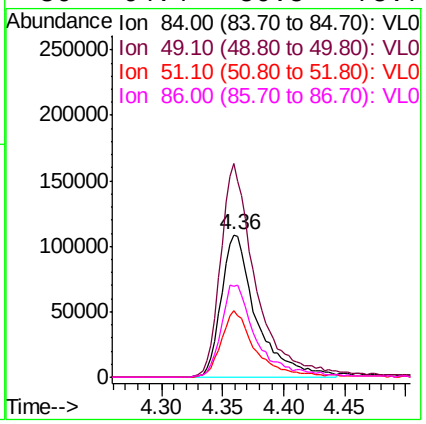


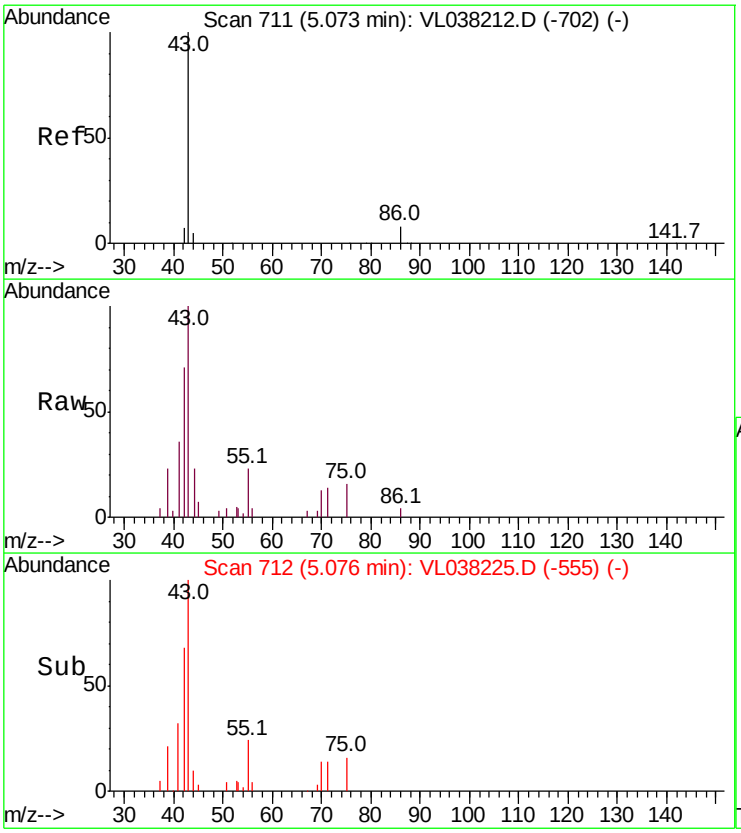
#20
Methylene Chloride
Concen: 6.012 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 220101

Ion	Ratio	Lower	Upper
84	100		
49	150.3	110.6	166.0
51	46.5	34.2	51.2
86	64.4	50.5	75.7

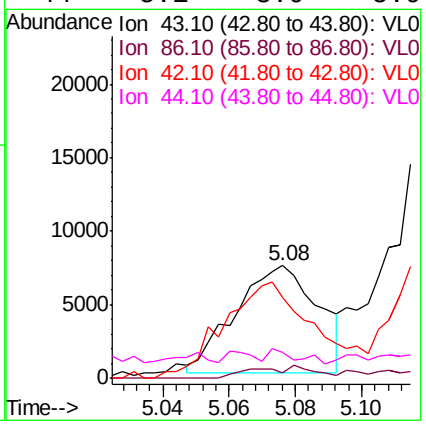


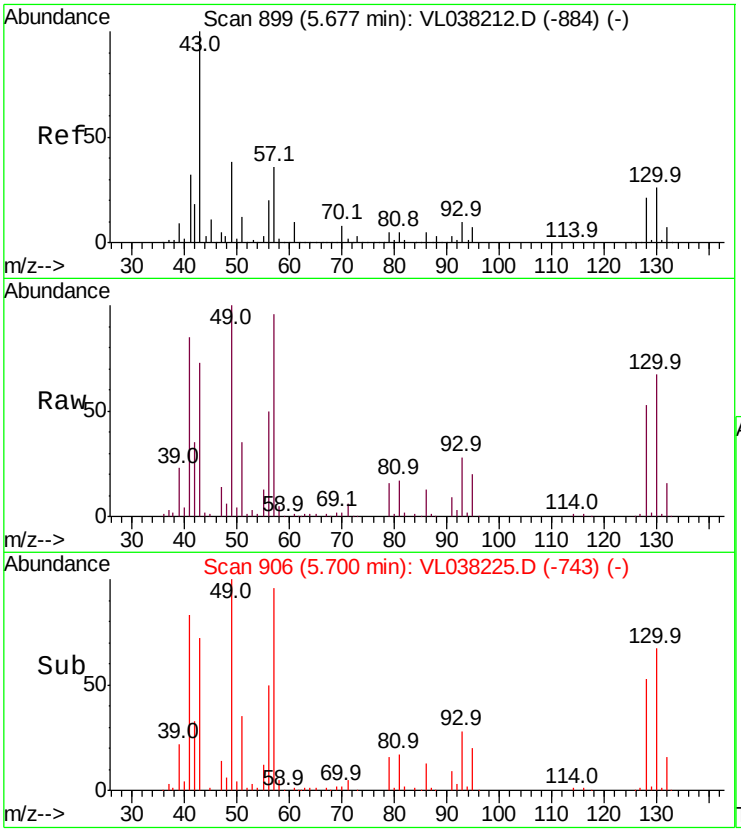


#23
Vinyl Acetate
Concen: 0.145 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.00 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 43 Resp: 12707

Ion	Ratio	Lower	Upper
43	100		
86	4.9	5.6	8.4#
42	69.3	7.0	10.4#
44	5.1	3.9	5.9



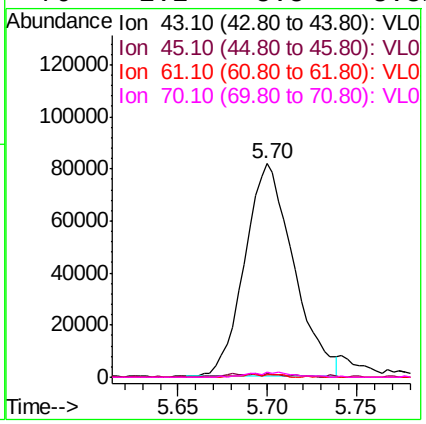


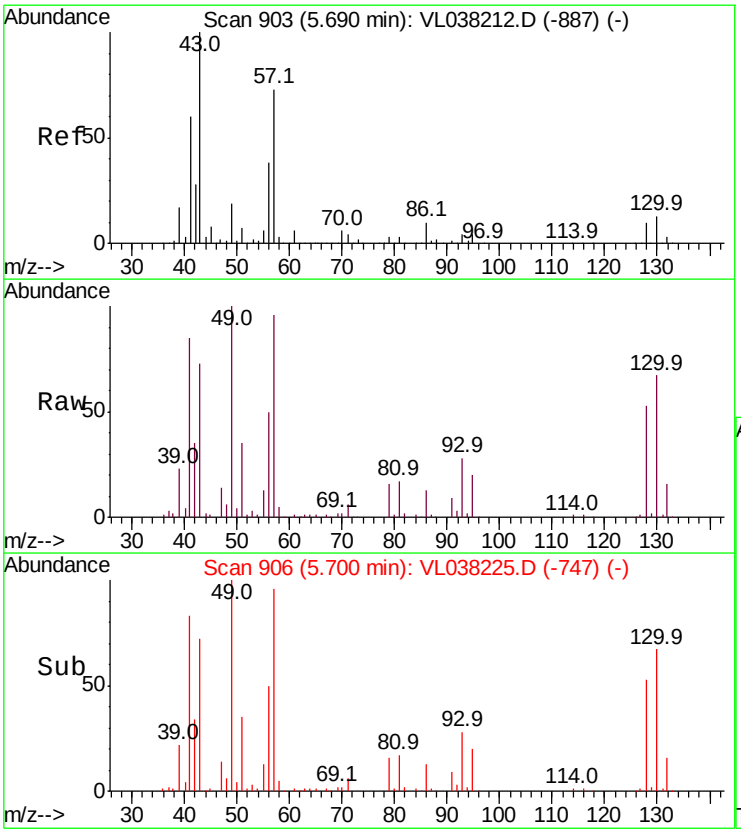
#25
Ethyl Acetate
Concen: 0.892 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 156730

Ion	Ratio	Lower	Upper
43	100		
45	1.2	7.9	11.9#
61	0.0	8.1	12.1#
70	2.2	5.5	8.3#

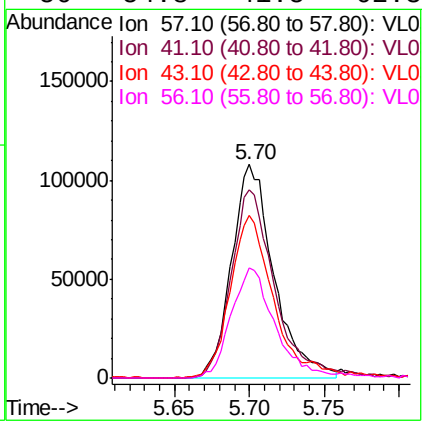


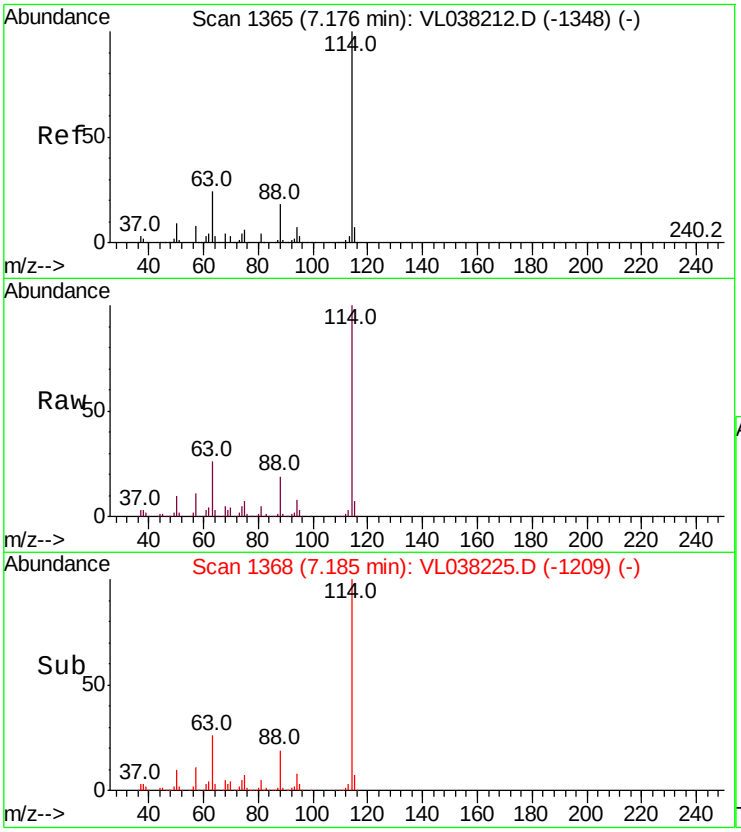


#26
Hexane
Concen: 2.415 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 57 Resp: 212831

Ion	Ratio	Lower	Upper
57	100		
41	91.7	69.0	103.6
43	79.3	171.2	256.8#
56	54.8	41.5	62.3



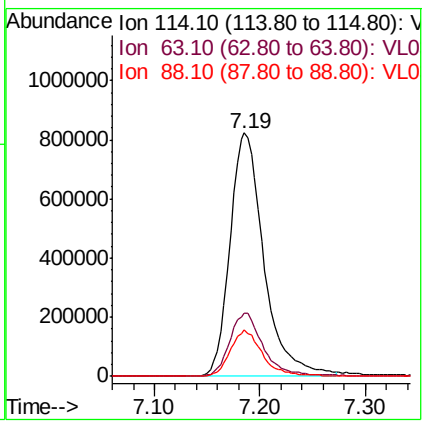


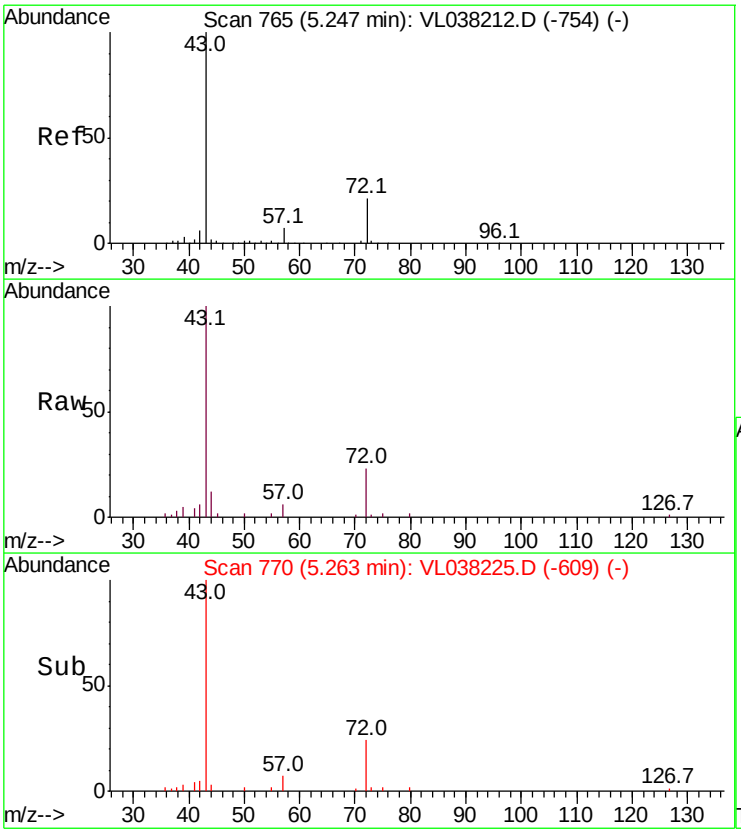
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1833318

Ion	Ratio	Lower	Upper
114	100		
63	26.0	19.7	29.5
88	18.5	14.3	21.5

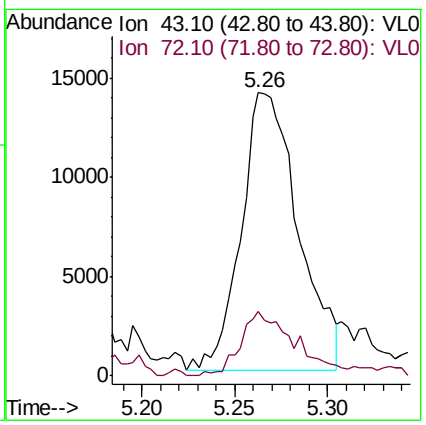


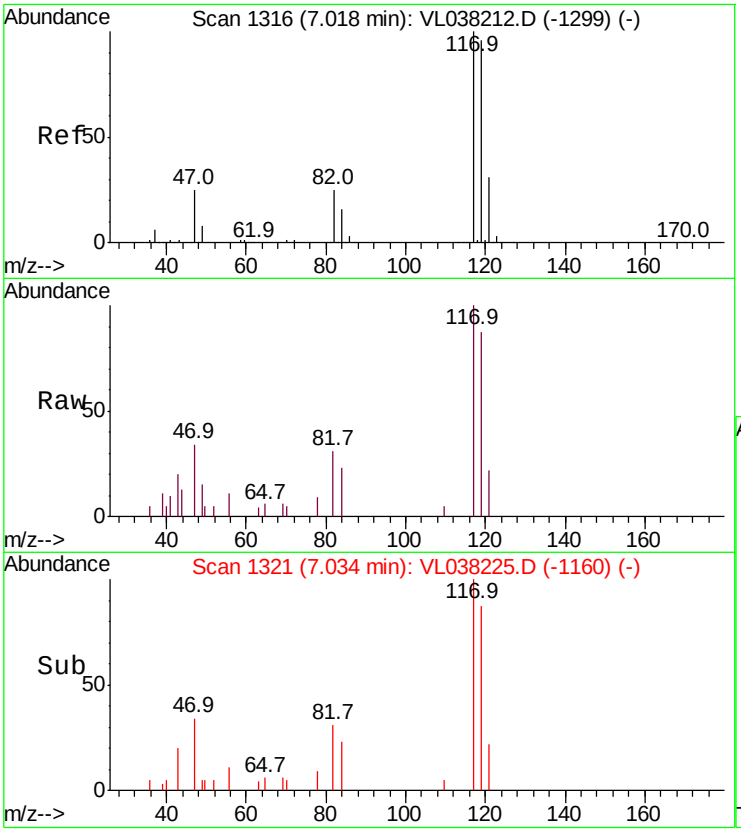


#34
2-Butanone
Concen: 0.543 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.02 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 43 Resp: 29944

Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.3	27.5



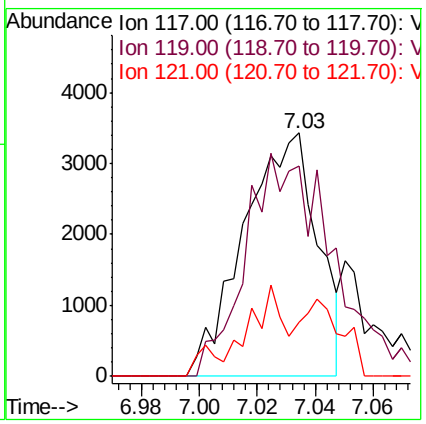


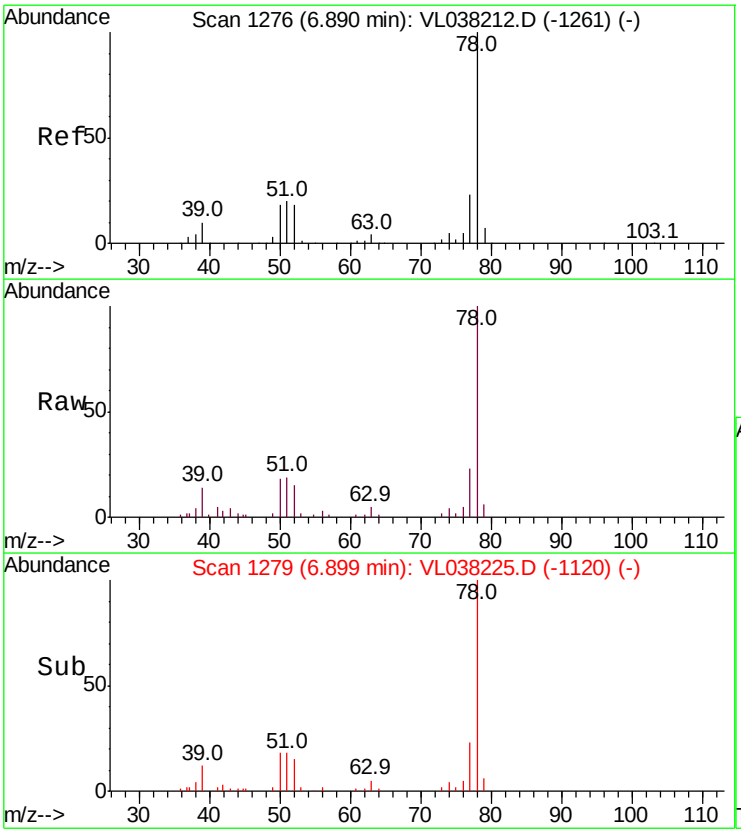
#35
Carbon Tetrachloride
Concen: 0.054 ppbv
RT: 7.03
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 6055

Ion	Ratio	Lower	Upper
117	100		
119	86.5	76.7	115.1
121	22.5	25.0	37.4#

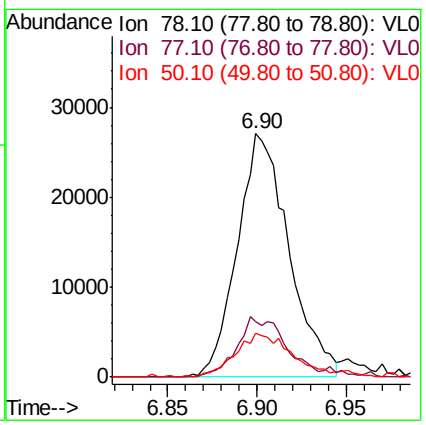


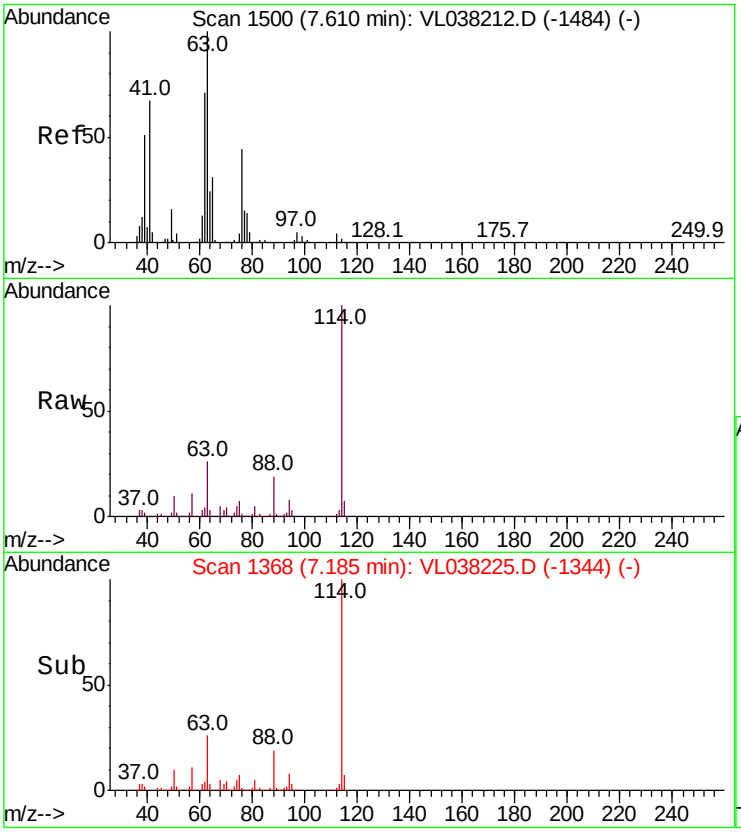


#36
Benzene
Concen: 0.319 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 78 Resp: 54594

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.2	27.4
50	17.2	14.3	21.5



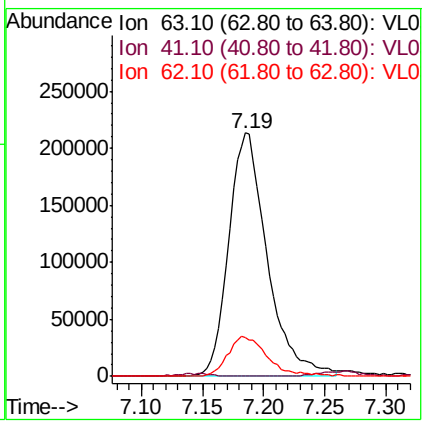


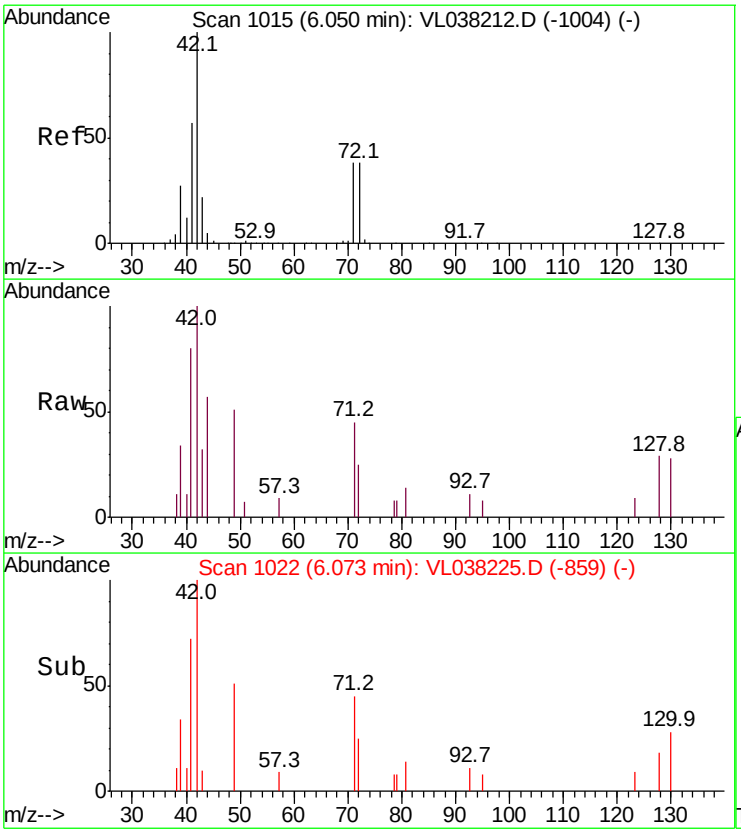
#39
1,2-Dichloropropane
Concen: 7.127 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 469040

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.4	80.2#
62	15.9	56.5	84.7#

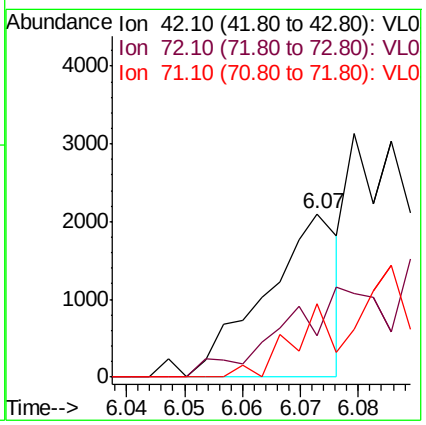


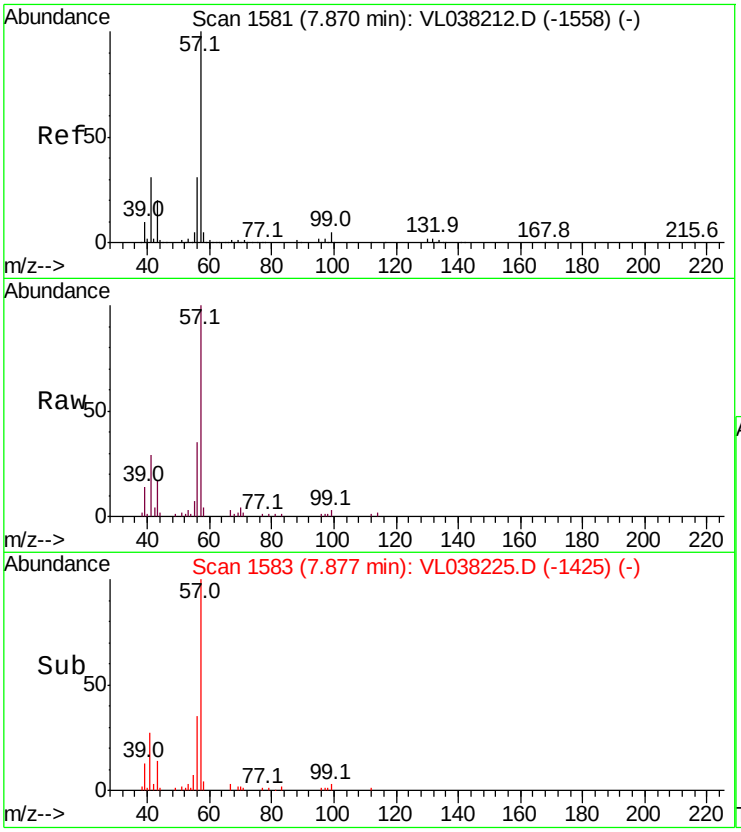


#41
Tetrahydrofuran
Concen: 0.046 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 42 Resp: 1843

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	30.0	45.0#



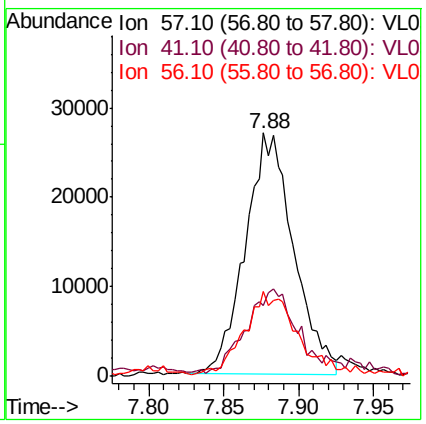


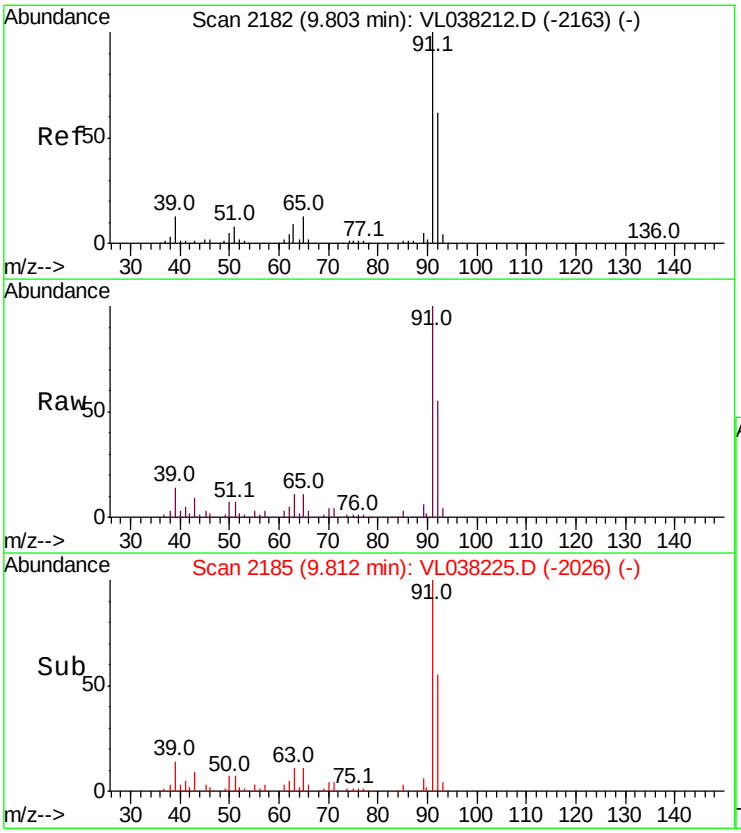
#44
2,2,4-Trimethylpentane
Concen: 0.209 ppbv
RT: 7.88
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 60751

Ion	Ratio	Lower	Upper
57	100		
41	45.3	24.9	37.3#
56	41.0	24.8	37.2#

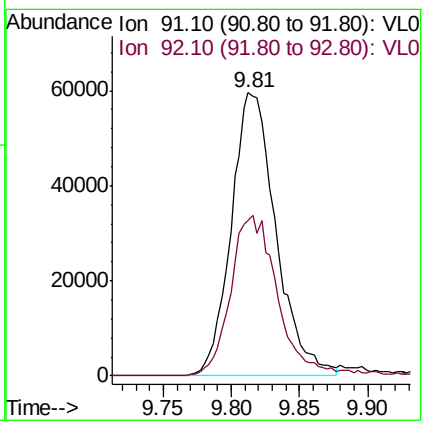


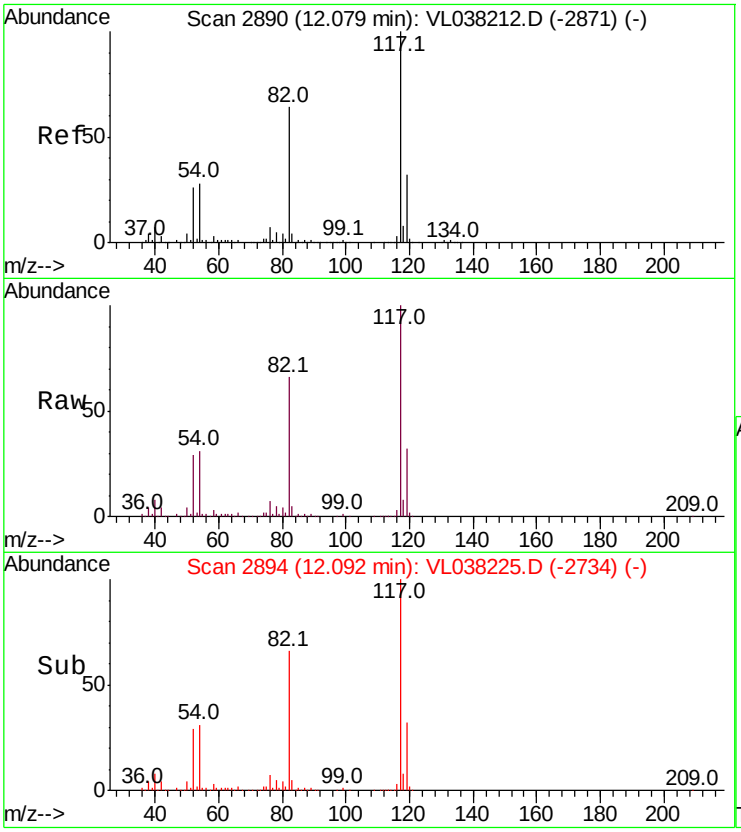


#53
Toluene
Concen: 0.690 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 91 Resp: 136110

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.9	73.3



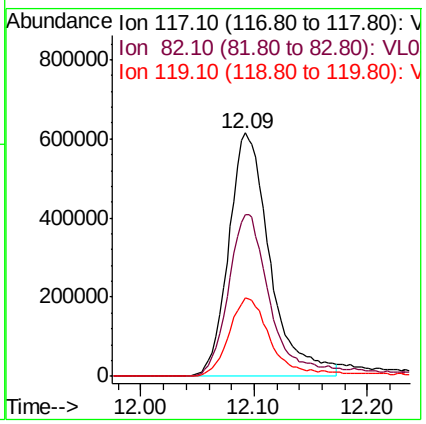


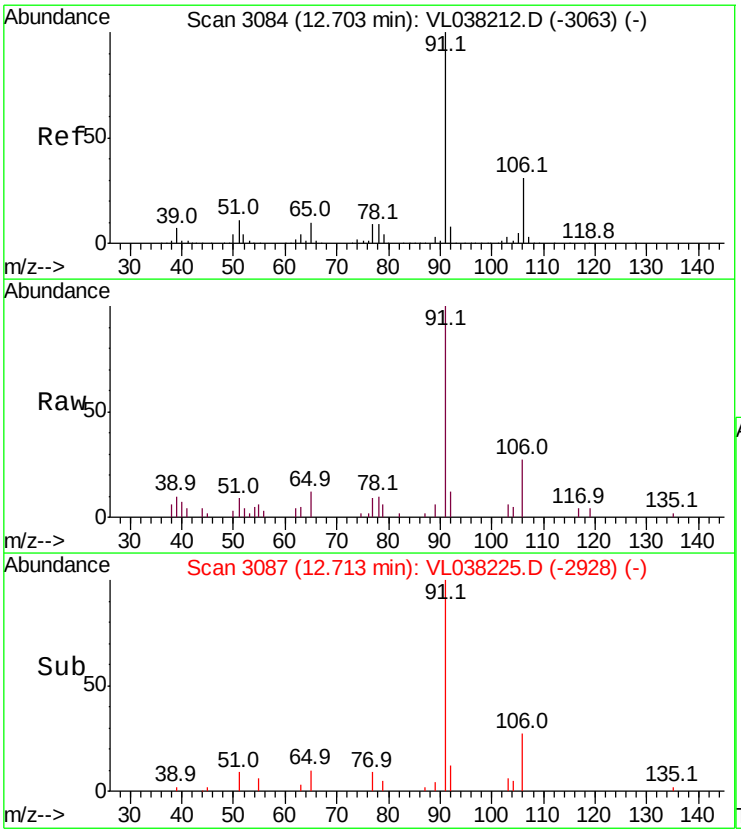
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1555688

Ion	Ratio	Lower	Upper
117	100		
82	73.7	53.3	79.9
119	35.1	25.5	38.3

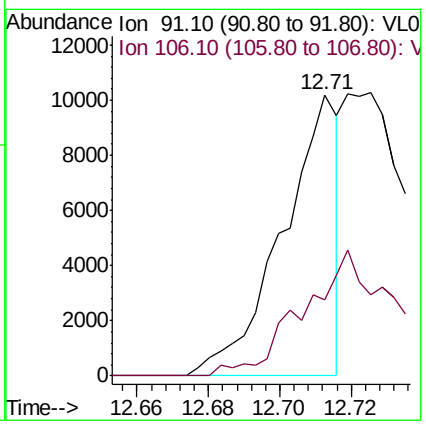


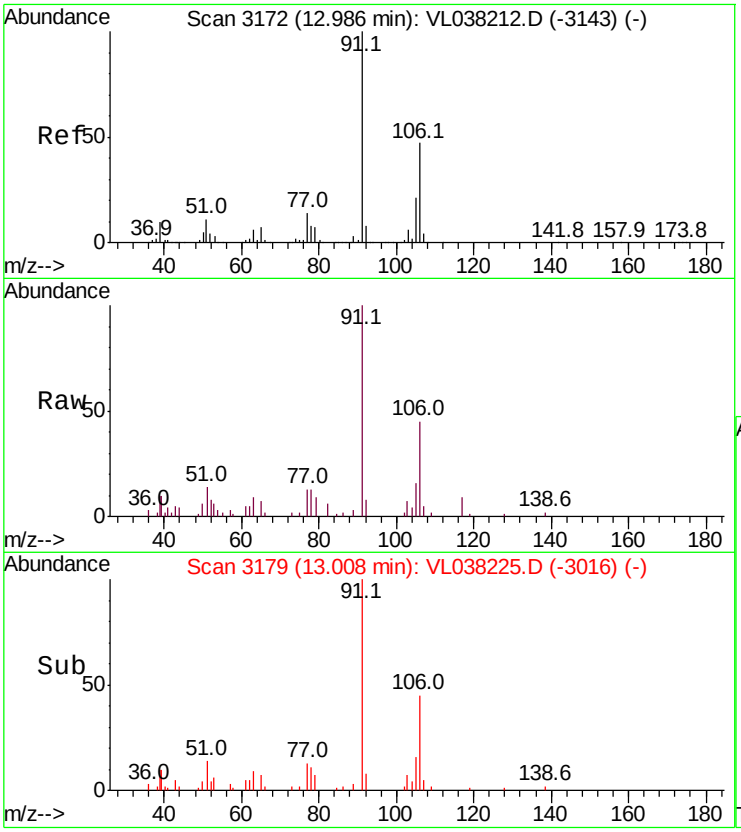


#58
Ethyl Benzene
Concen: 0.046 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 91 Resp: 11056

Ion	Ratio	Lower	Upper
91	100		
106	26.8	25.0	37.4



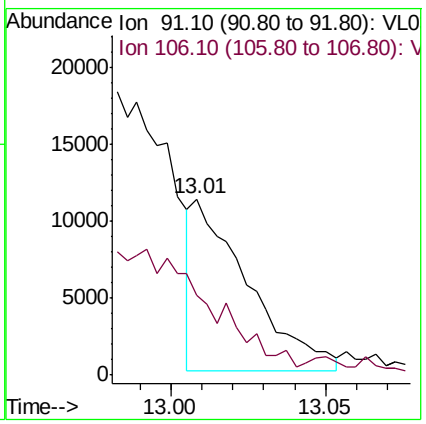


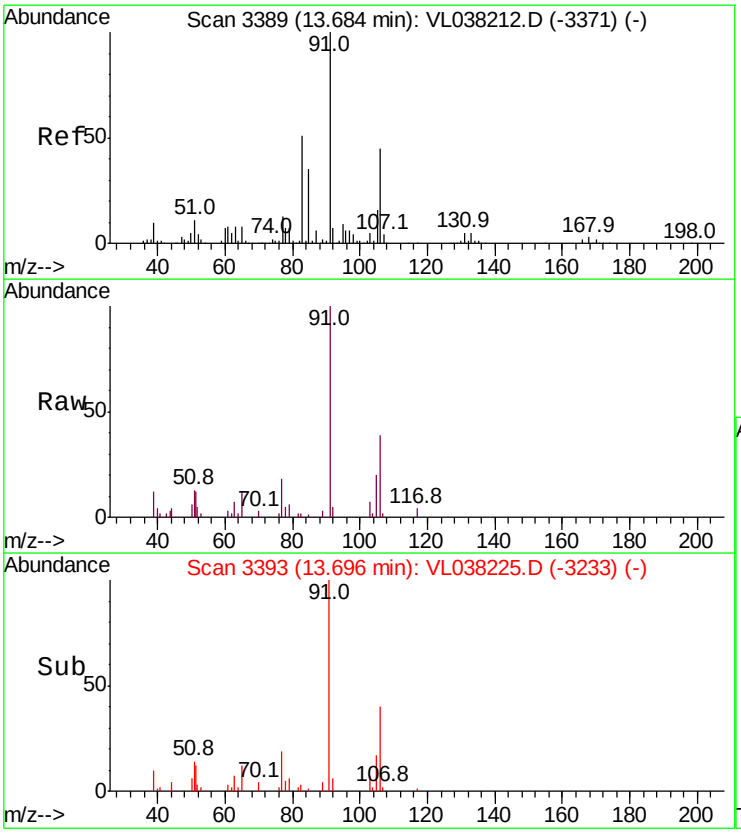
#59
m/p-Xylene
Concen: 0.068 ppbv
RT: 13.01
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 13959

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.9	55.3#

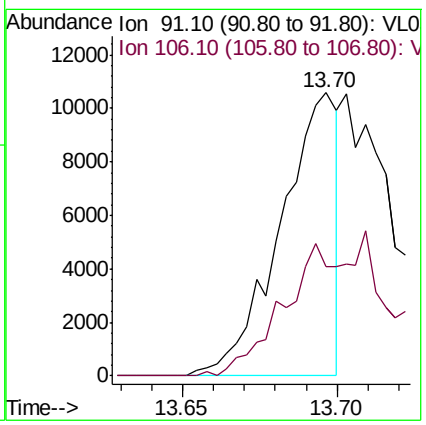


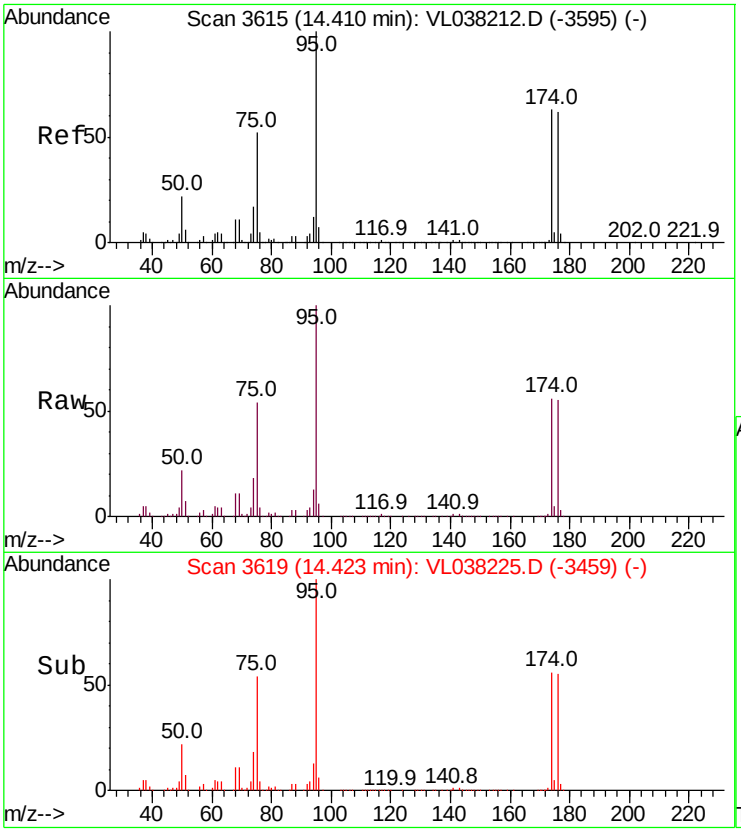


#60
o-Xylene
Concen: 0.071 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL038225.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 91 Resp: 13499

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	70.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.324 ppbv
RT: 14.42
Delta R.T
Lab File:
Acq: 21 Dec 2021 22:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1237653

Ion	Ratio	Lower	Upper
95	100		
174	64.8	54.6	81.8
175	4.7	4.1	6.1