Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121421\
Data File : VL038175.D
Acq On : 14 Dec 2021 20:44
Operator : SY/AP
Sample : M5075-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 15 04:57:38 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	881750	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2310559	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.03	117	2058100	10.00	ppbv	-0.05
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.36	95	1649200	11.11	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 111.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	34094	0.234	ppbv	92
3) Chlorodifluoromethane	2.97	51	76292	0.412	ppbv #	89
4) Chloromethane	3.12	50	29086	0.461	ppbv	93
9) Propene	3.00	41	64066	0.939	ppbv	88
10) Heptane	8.08	43	11403	0.068	ppbv #	35
11) Trichlorofluoromethane	3.92	101	28348	0.205	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	5308	0.054	ppbv #	65
13) Ethanol	3.58	45	176180	26.733	ppbv	92
15) Acetone	3.82	43	602462	7.881	ppbv	94
16) 1,3-Butadiene	3.30	39	2291	0.038	ppbv #	1
17) tert-Butyl alcohol	4.28	59	3180	0.034	ppbv #	71
19) Isopropyl Alcohol	3.95	45	88961	1.611	ppbv #	1
20) Methylene Chloride	4.31	84	646817	15.105	ppbv	94
23) Vinyl Acetate	5.02	43	9237	0.083	ppbv #	35
25) Ethyl Acetate	5.65	43	416284	1.638	ppbv #	78
26) Hexane	5.65	57	548198	4.476	ppbv #	45
30) Cyclohexane	7.07	84	4056	0.036	ppbv #	1
34) 2-Butanone	5.21	43	23300	0.250	ppbv #	86
35) Carbon Tetrachloride	6.97	117	11222	0.069	ppbv #	90
36) Benzene	6.85	78	66316	0.288	ppbv #	92
39) 1,2-Dichloropropane	7.13	63	617569	6.985	ppbv #	27
41) Tetrahydrofuran	6.01	42	53592	0.927	ppbv	98
44) 2,2,4-Trimethylpentane	7.83	57	55554	0.144	ppbv #	61
53) Toluene	9.76	91	181056	0.683	ppbv	97
58) Ethyl Benzene	12.66	91	28127	0.083	ppbv	93
59) m/p-Xylene	12.94	91	19859	0.069	ppbv #	29
60) o-Xylene	13.64	91	16577	0.062	ppbv #	23
61) Styrene	13.48	104	7517686	52.787	ppbv	89

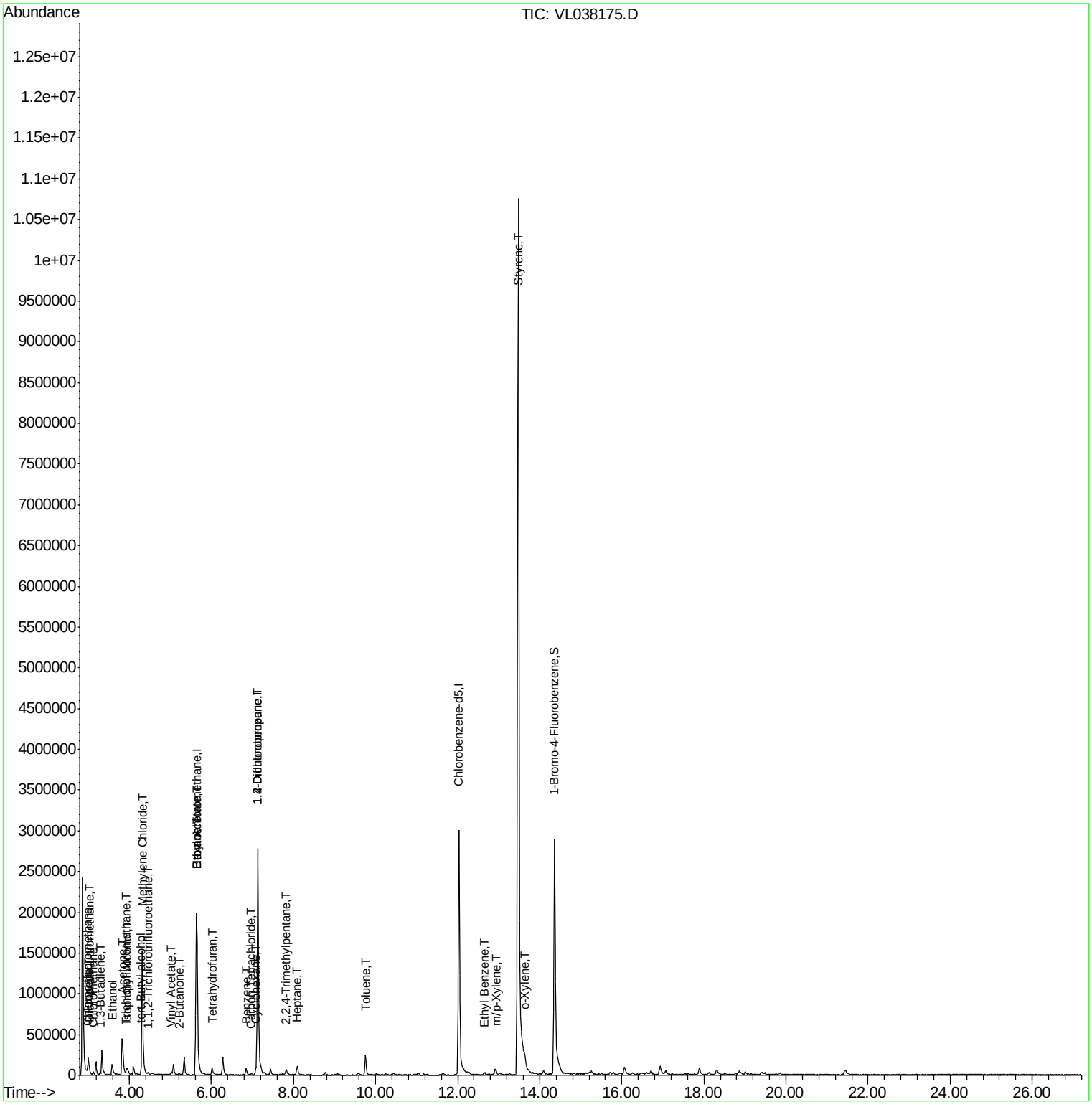
(#) = qualifier out of range (m) = manual integration (+) = signals summed

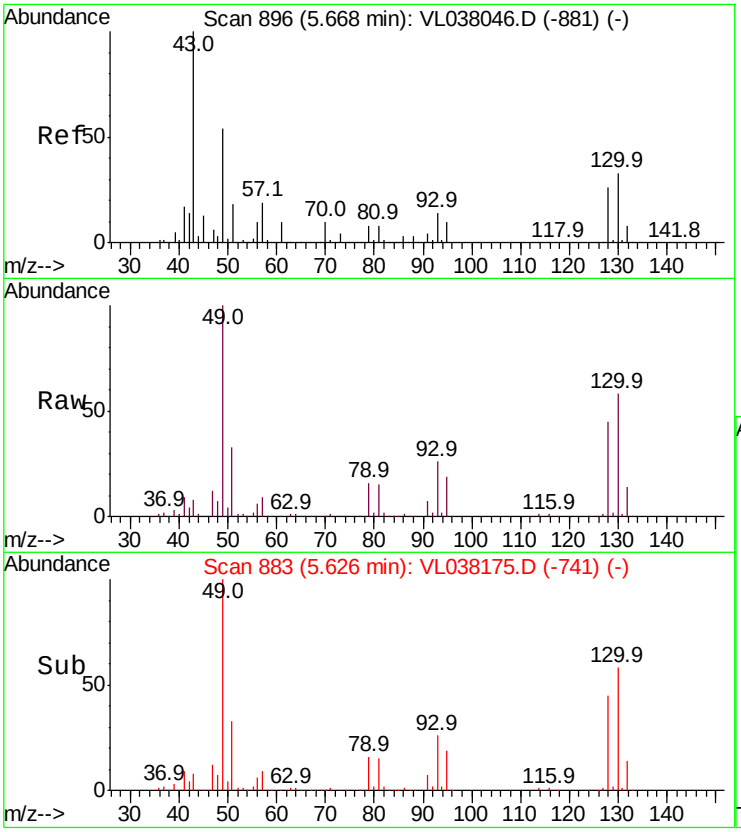
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121421\
Data File : VL038175.D
Acq On : 14 Dec 2021 20:44
Operator : SY/AP
Sample : M5075-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 15 04:57:38 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration



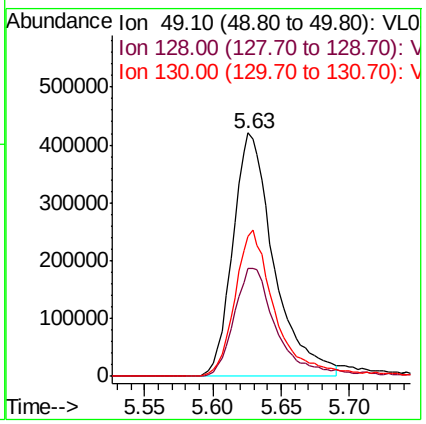


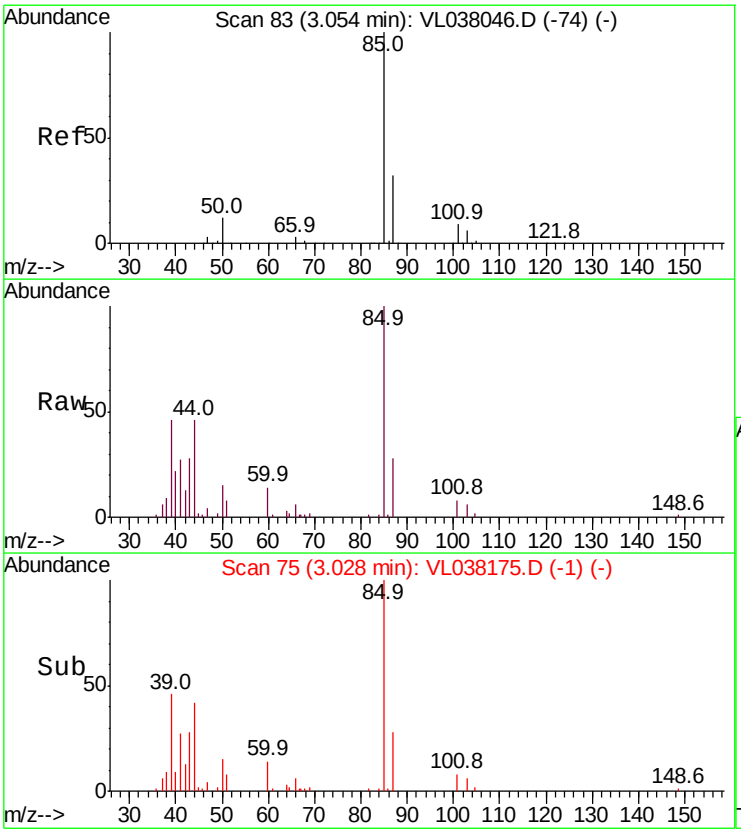
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.63
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 881750

Ion	Ratio	Lower	Upper
49	100		
128	47.7	26.5	79.5
130	59.7	32.5	97.4

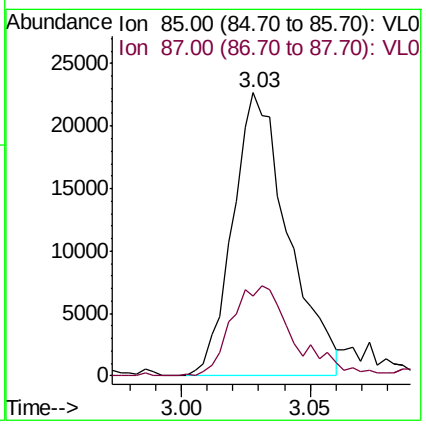


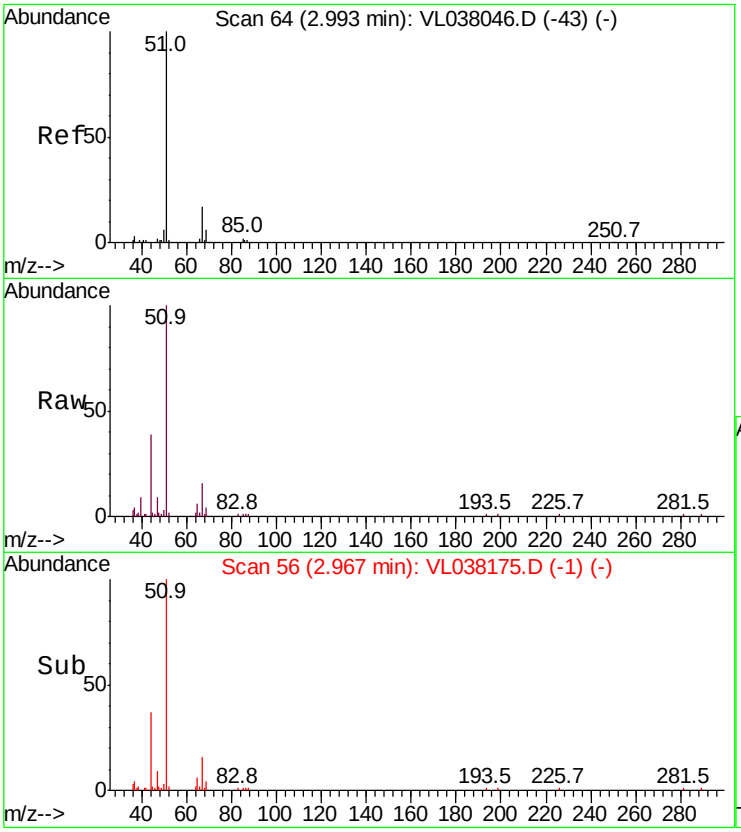


#2
Dichlorodifluoromethane
Concen: 0.234 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.03 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 85 Resp: 34094

Ion	Ratio	Lower	Upper
85	100		
87	27.7	25.8	38.6



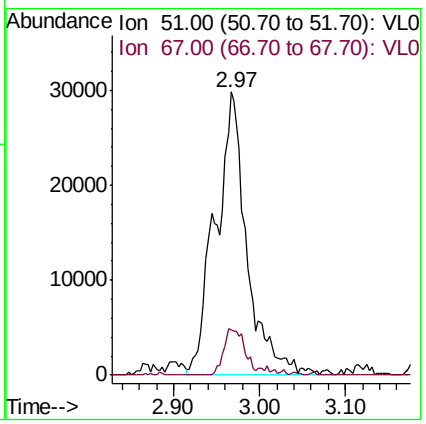


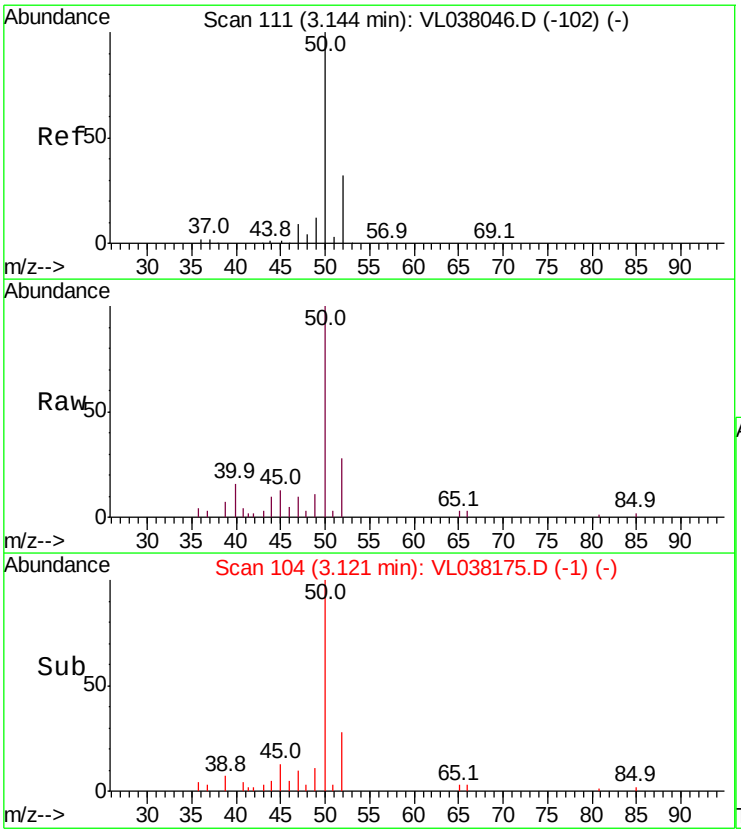
#3
Chlorodifluoromethane
Concen: 0.412 ppbv
RT: 2.97
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 76292

Ion	Ratio	Lower	Upper
51	100		
67	12.4	13.8	20.8#

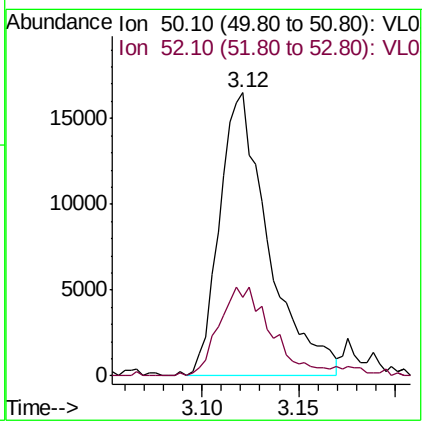


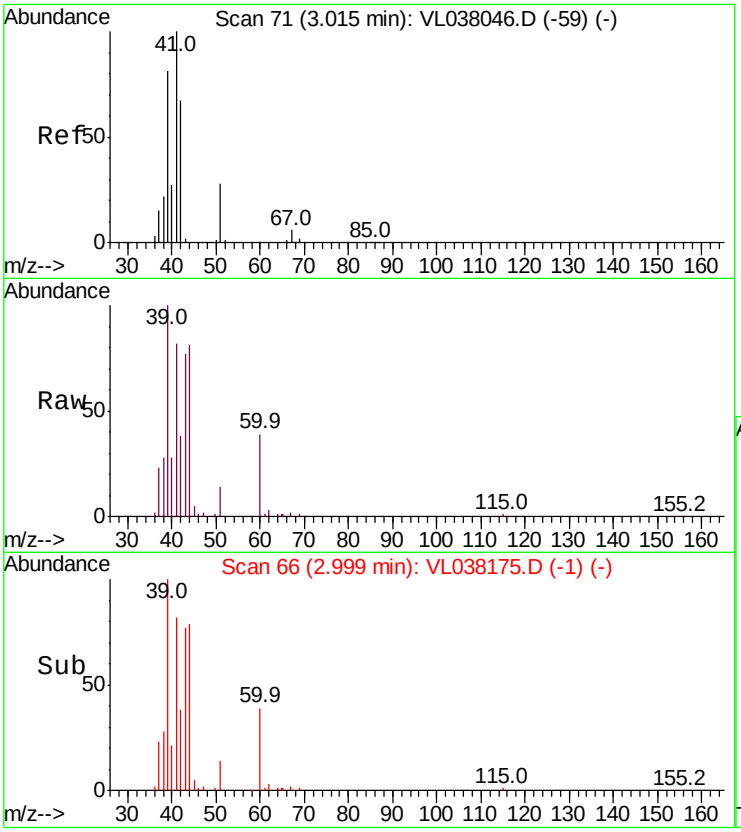


#4
Chloromethane
Concen: 0.461 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 50 Resp: 29086

Ion	Ratio	Lower	Upper
50	100		
52	27.8	25.4	38.0



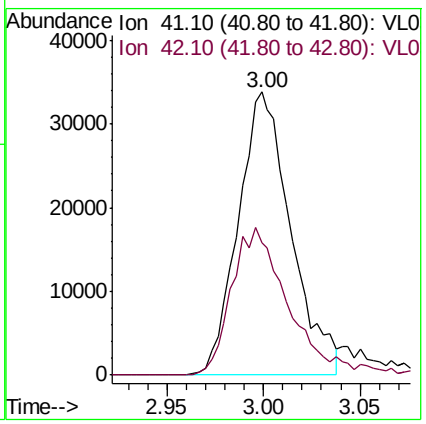


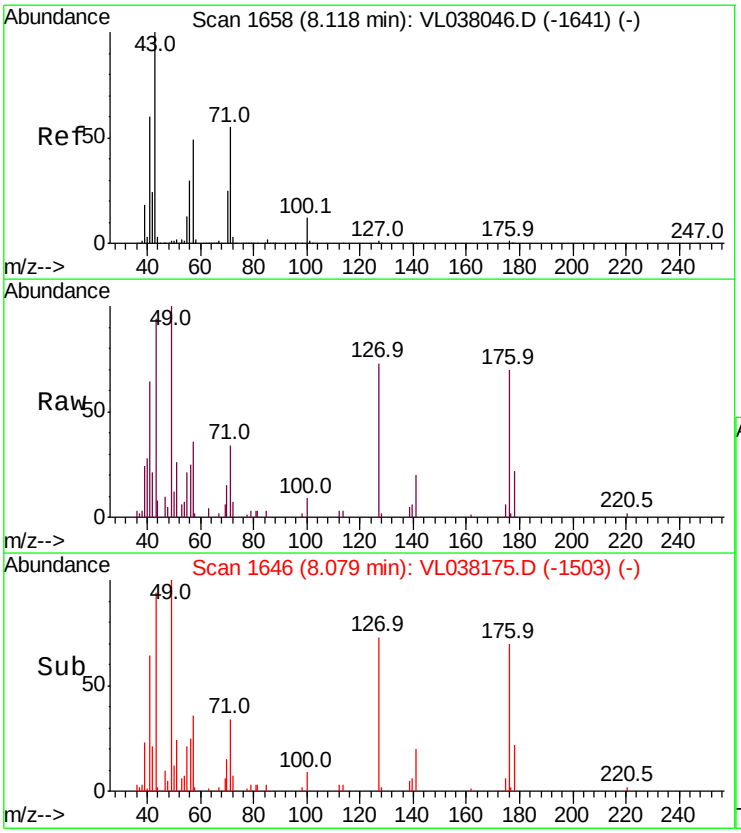
#9
Propene
Concen: 0.939 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 64066

Ion	Ratio	Lower	Upper
41	100		
42	57.6	53.8	80.8

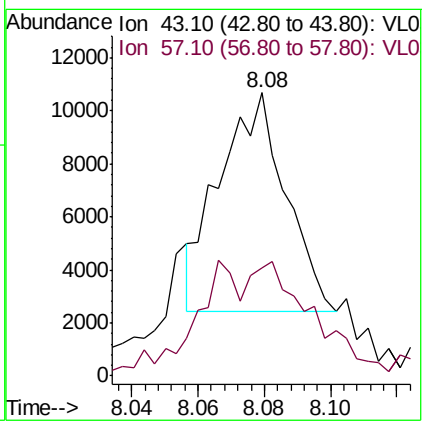


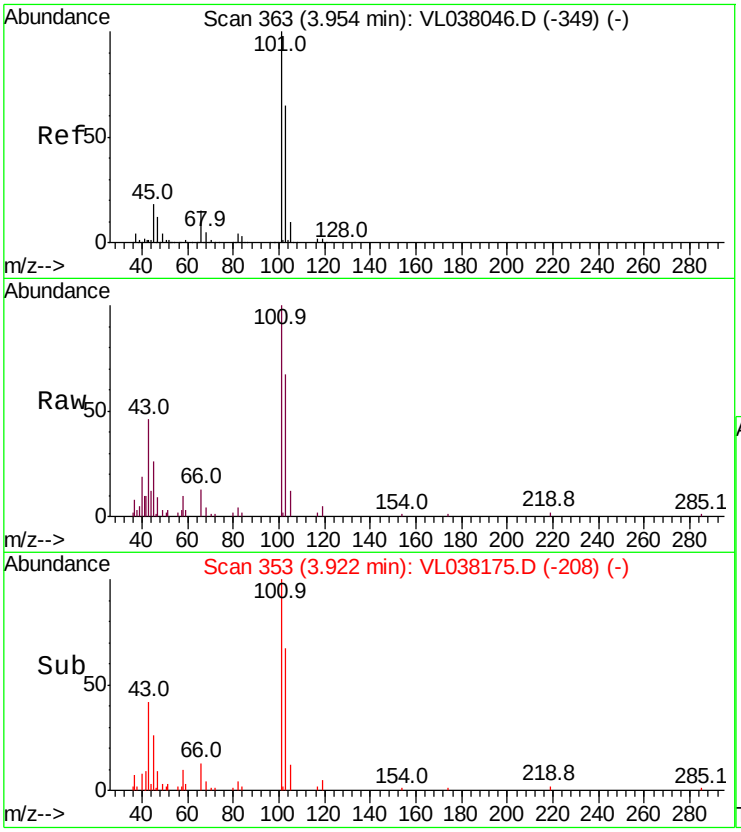


#10
Heptane
Concen: 0.068 ppbv
RT: 8.08 min Scan# 1646
Delta R.T. -0.04 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 43 Resp: 11403

Ion	Ratio	Lower	Upper
43	100		
57	95.8	40.4	60.6#



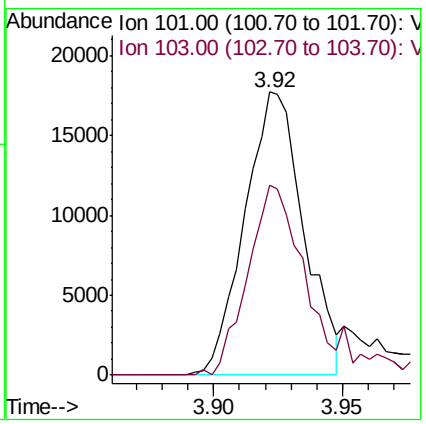


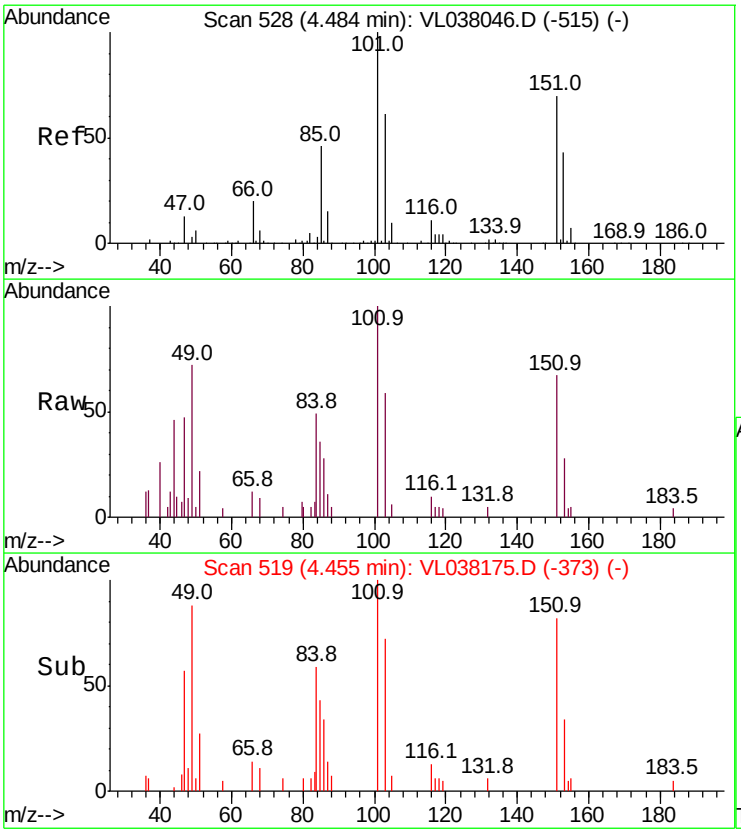
#11
Trichlorofluoromethane
Concen: 0.205 ppbv
RT: 3.92
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 28348

Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.8	77.6

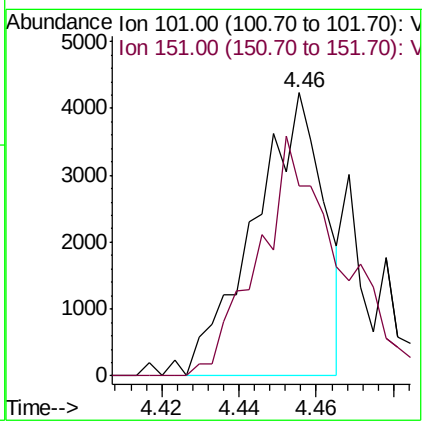


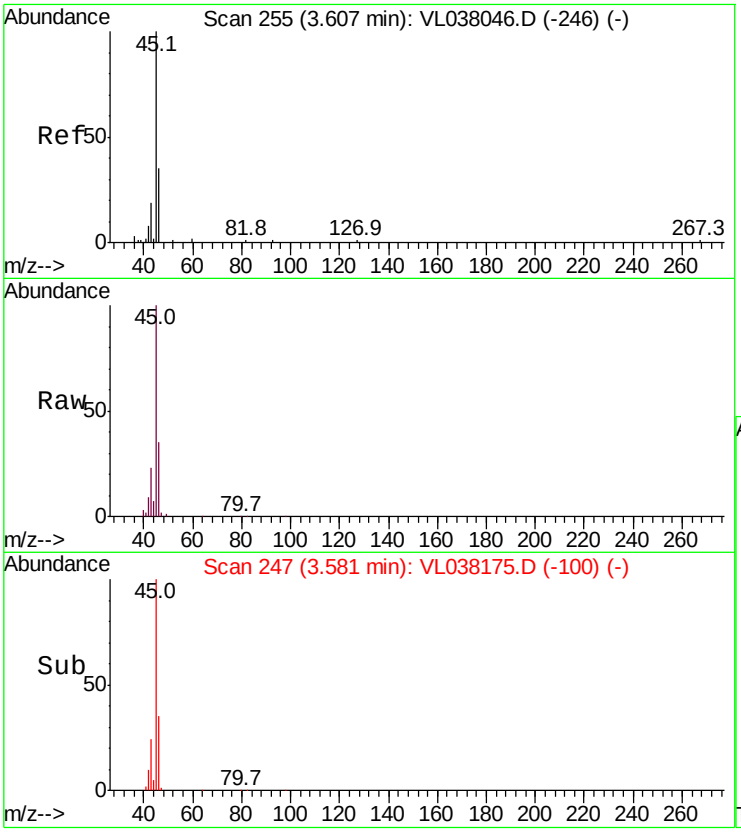


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.054 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.03 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion:101 Resp: 5308

Ion	Ratio	Lower	Upper
101	100		
151	103.1	59.0	88.4#



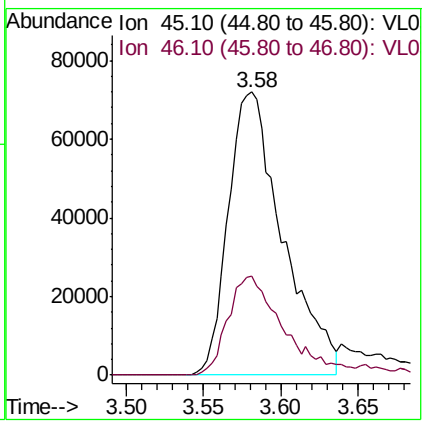


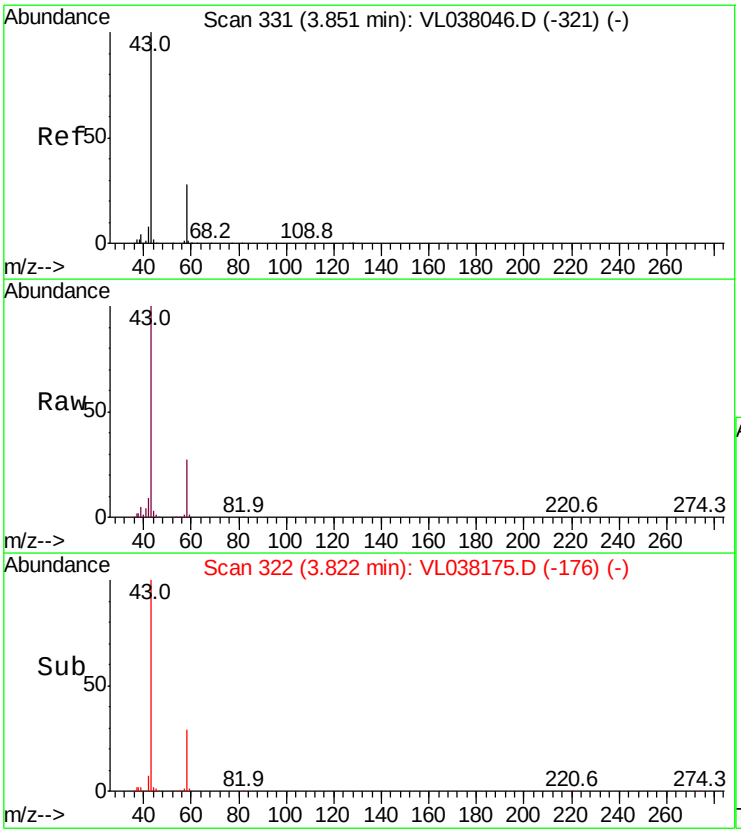
#13
Ethanol
Concen: 26.733 ppbv
RT: 3.58
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 176180

Ion	Ratio	Lower	Upper
45	100		
46	38.4	17.6	70.2

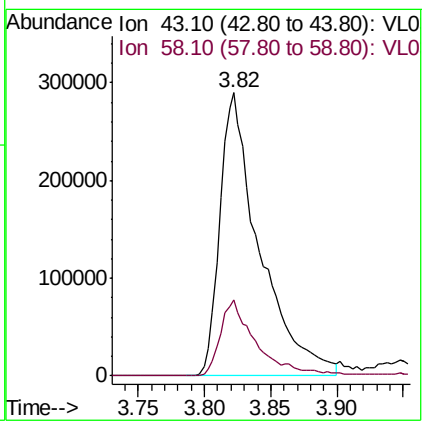


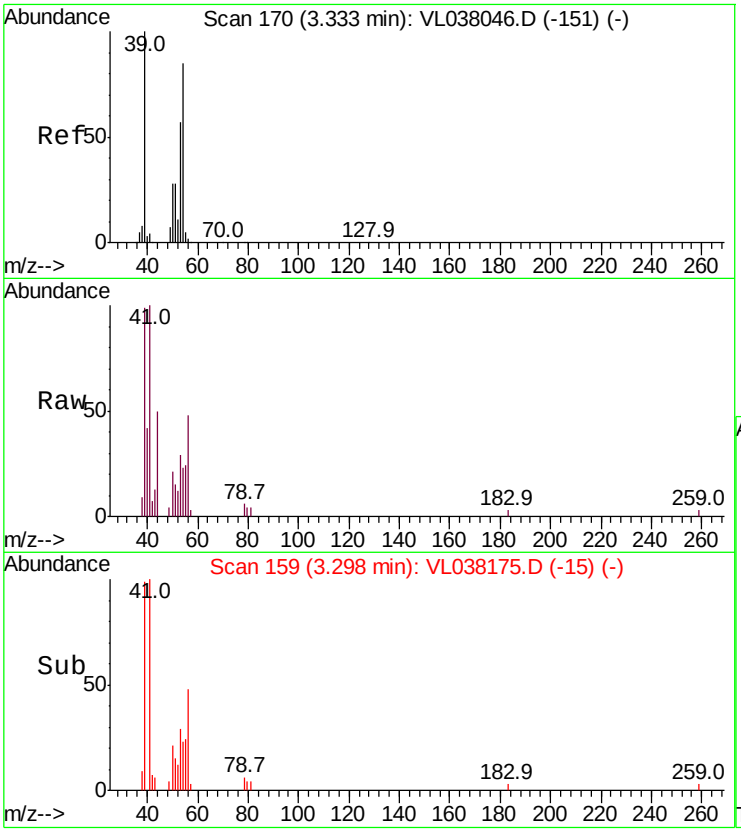


#15
Acetone
Concen: 7.881 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.03 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 43 Resp: 602462

Ion	Ratio	Lower	Upper
43	100		
58	24.8	22.4	33.6



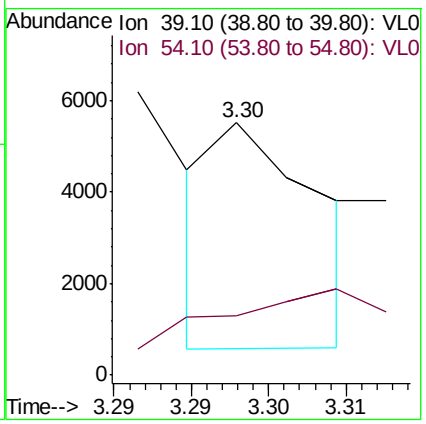


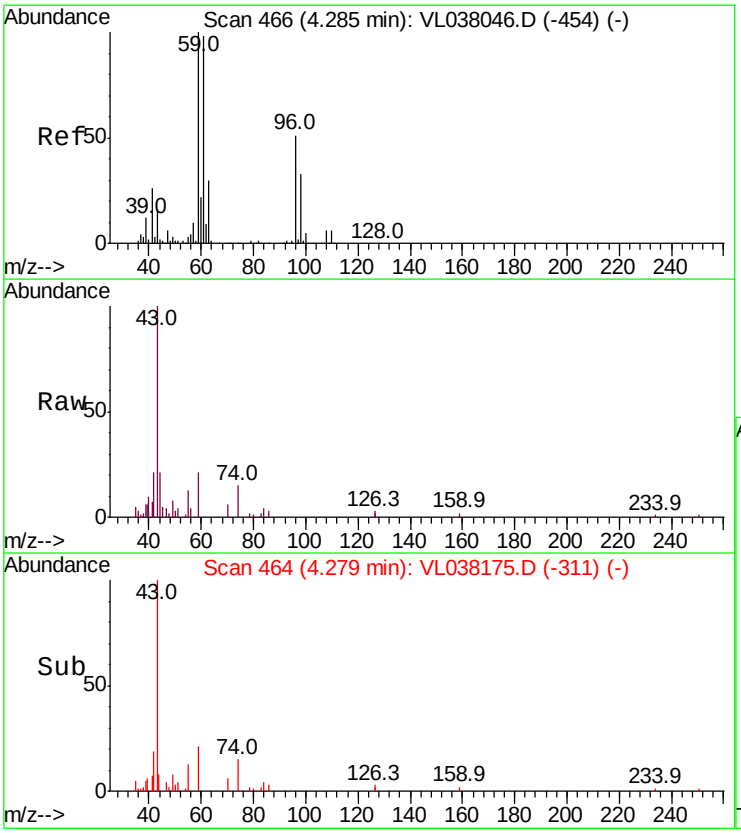
#16
1,3-Butadiene
Concen: 0.038 ppbv
RT: 3.30
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 2291

Ion	Ratio	Lower	Upper
39	100		
54	217.5	64.4	96.6#

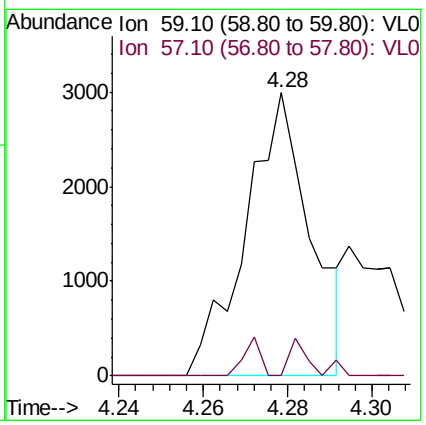


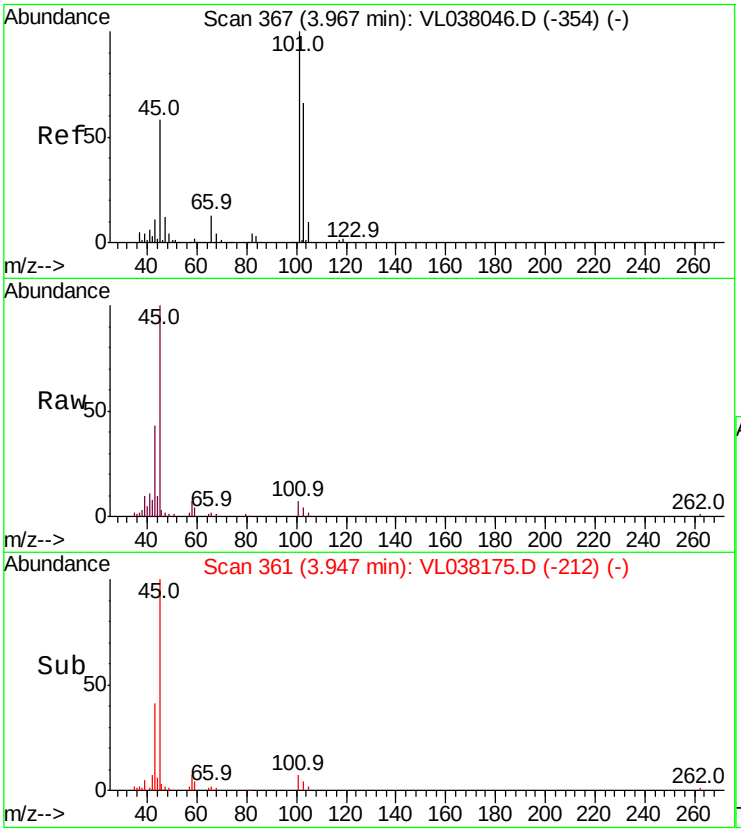


#17
tert-Butyl alcohol
Concen: 0.034 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 59 Resp: 3180

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#



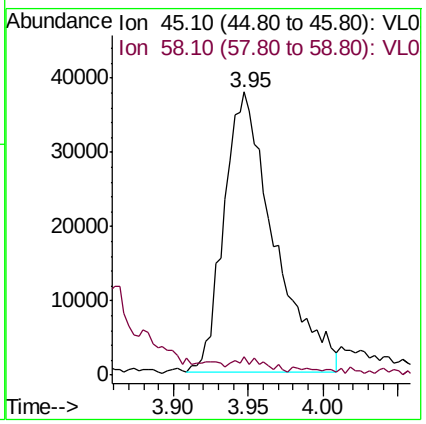


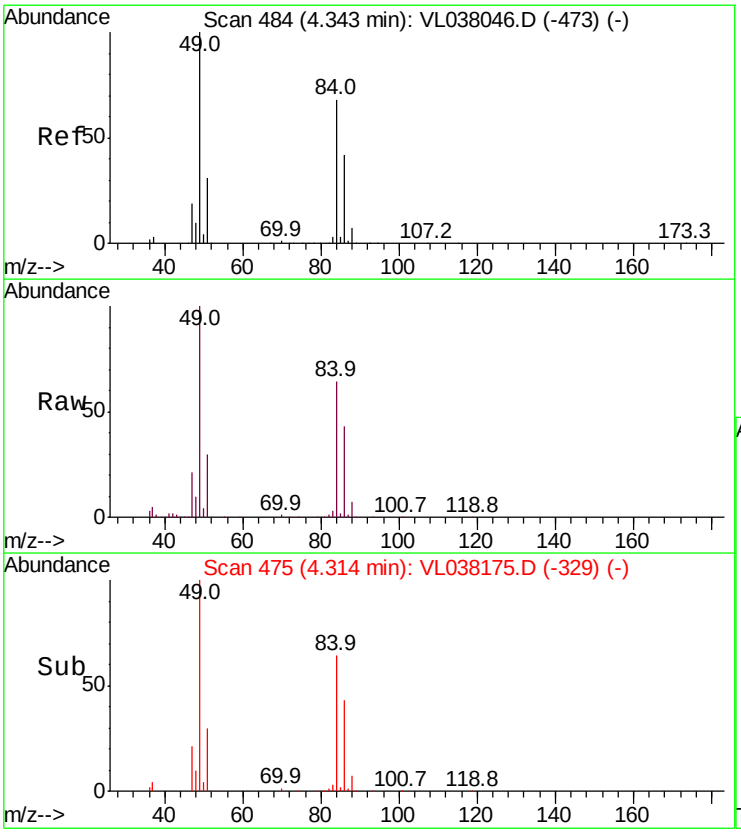
#19
Isopropyl Alcohol
Concen: 1.611 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 88961

Ion	Ratio	Lower	Upper
45	100		
58	167.7	1.4	2.0#

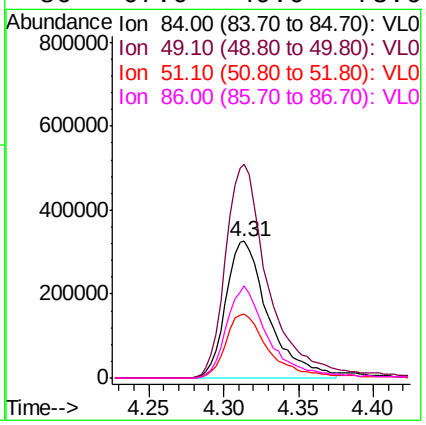


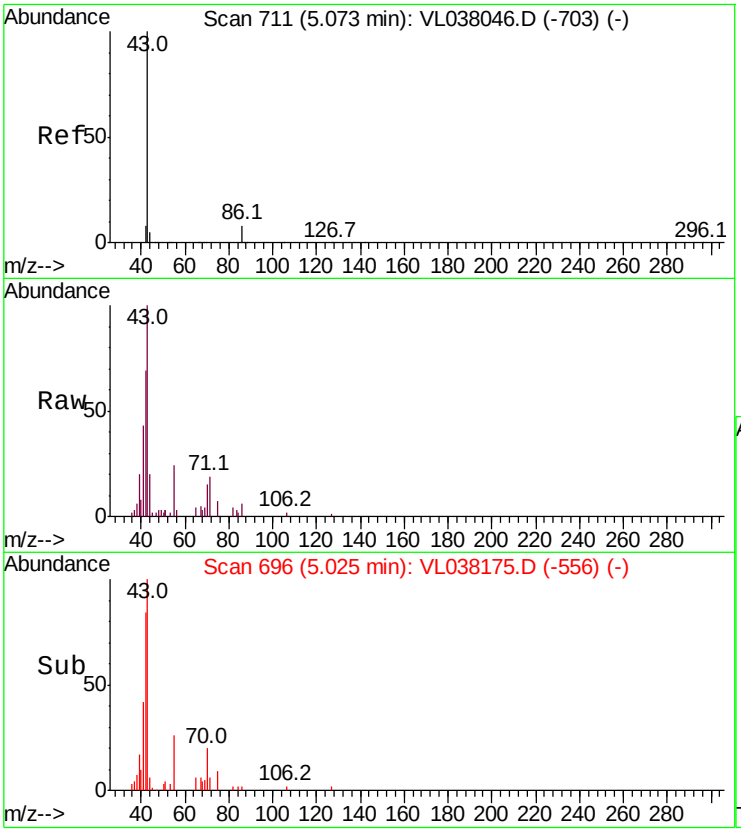


#20
Methylene Chloride
Concen: 15.105 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 84 Resp: 646817

Ion	Ratio	Lower	Upper
84	100		
49	155.8	118.2	177.2
51	46.8	36.8	55.2
86	67.0	49.0	73.6



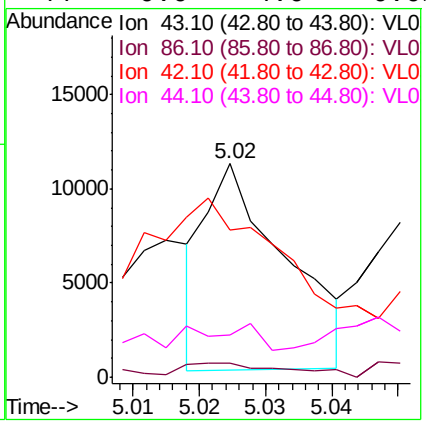


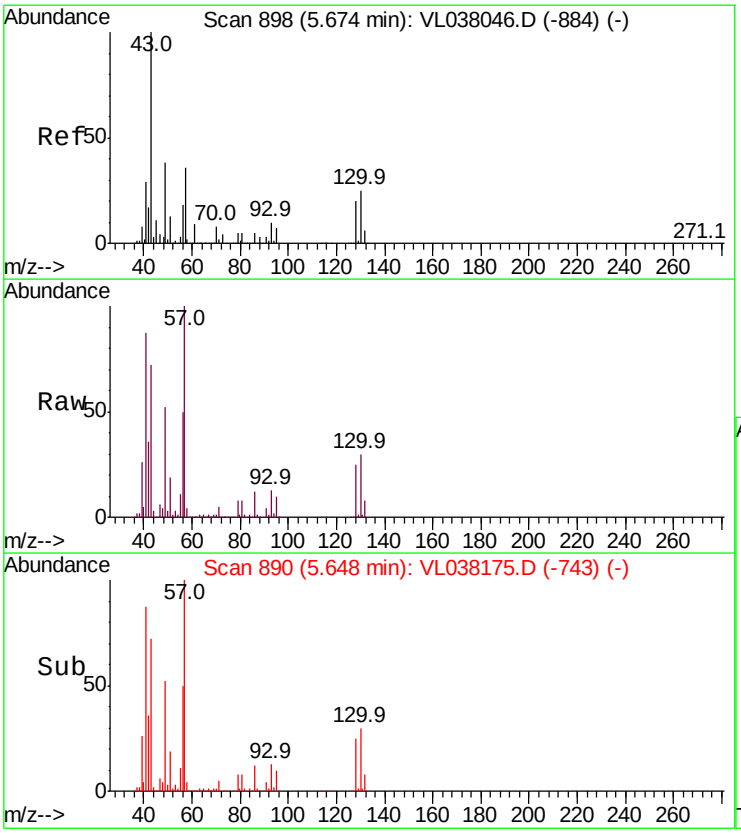
#23
Vinyl Acetate
Concen: 0.083 ppbv
RT: 5.02
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 9237

Ion	Ratio	Lower	Upper
43	100		
86	4.2	5.3	7.9#
42	58.1	7.0	10.6#
44	0.0	4.0	6.0#

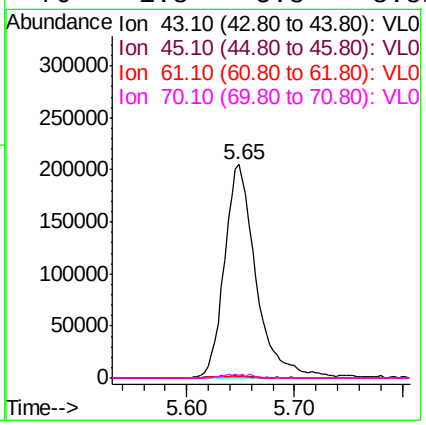


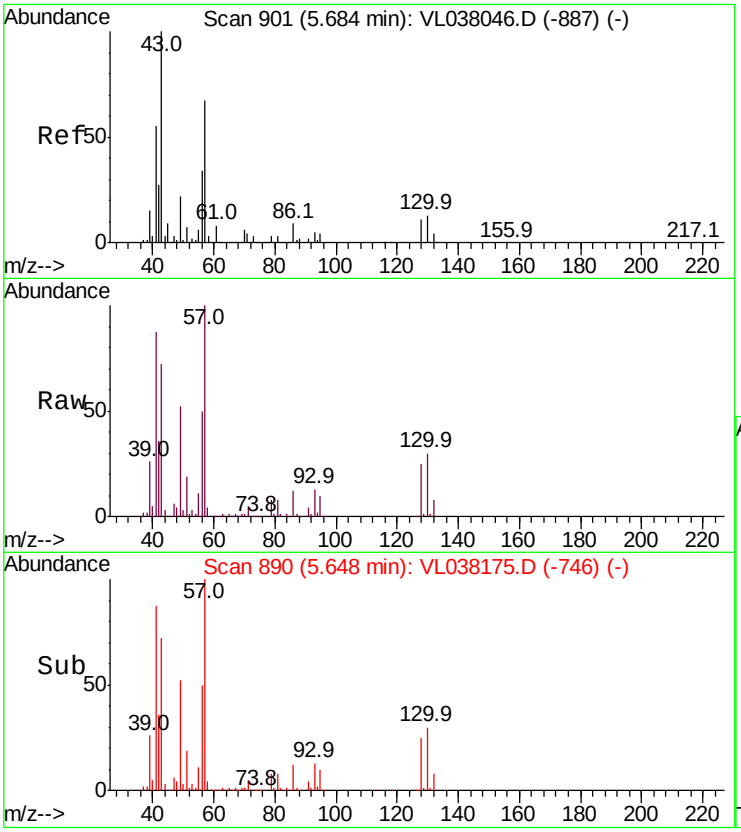


#25
Ethyl Acetate
Concen: 1.638 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 43 Resp: 416284

Ion	Ratio	Lower	Upper
43	100		
45	1.2	7.9	11.9#
61	0.8	7.8	11.6#
70	1.8	5.8	8.8#



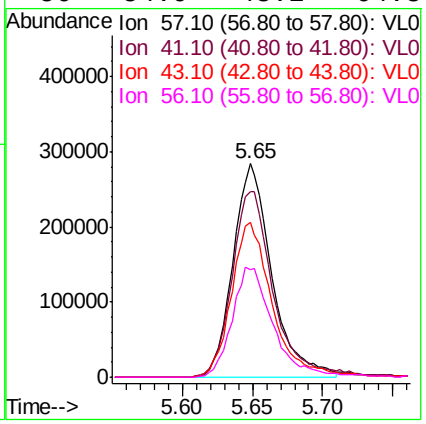


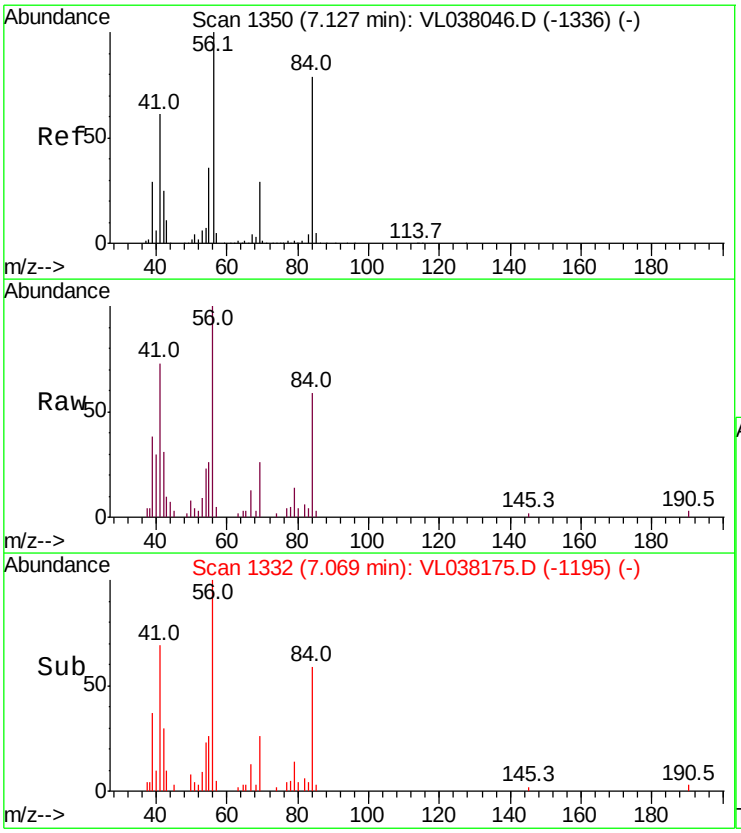
#26
Hexane
Concen: 4.476 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 548198

Ion	Ratio	Lower	Upper
57	100		
41	93.6	71.4	107.2
43	77.1	174.6	261.8#
56	54.9	43.2	64.8

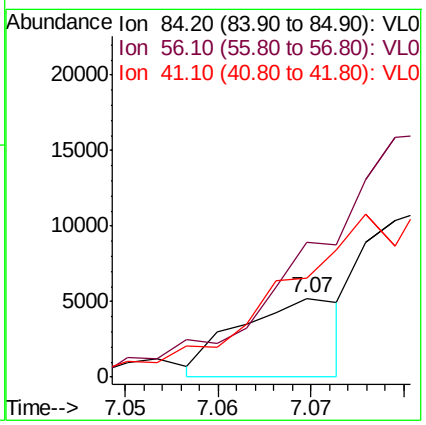


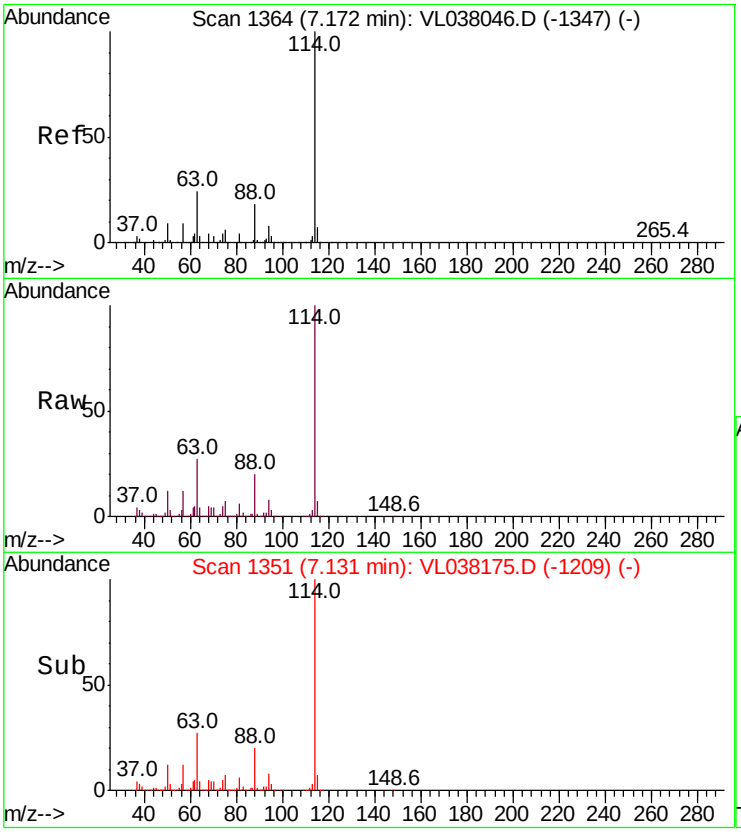


#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.07 min Scan# 1332
Delta R.T. -0.06 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 84 Resp: 4056

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.1	162.1#
41	0.0	64.4	96.6#



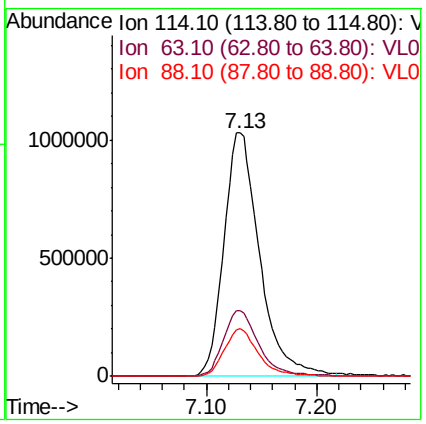


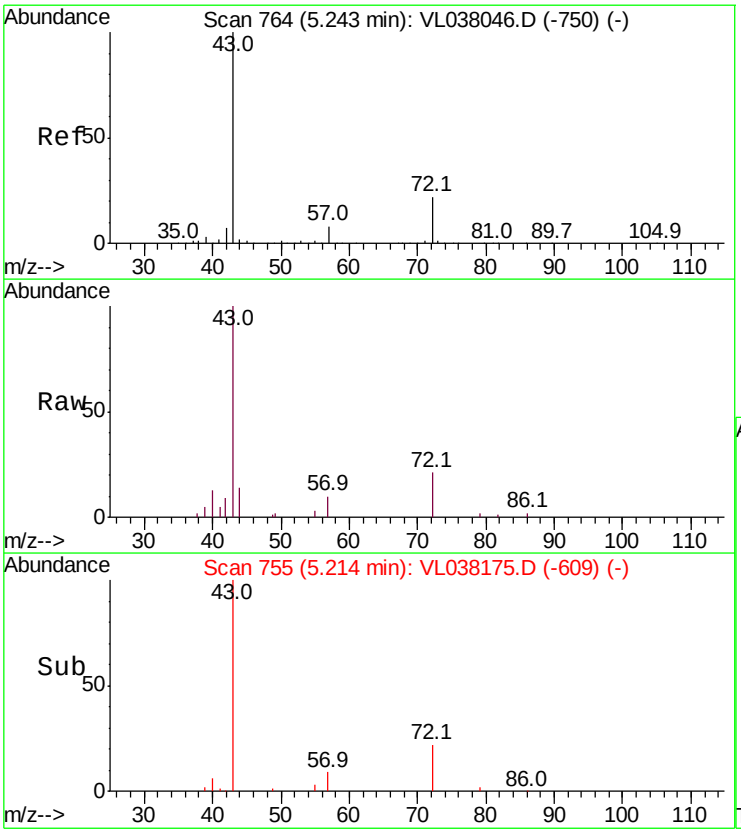
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2310559

Ion	Ratio	Lower	Upper
114	100		
63	27.1	19.7	29.5
88	19.0	14.4	21.6

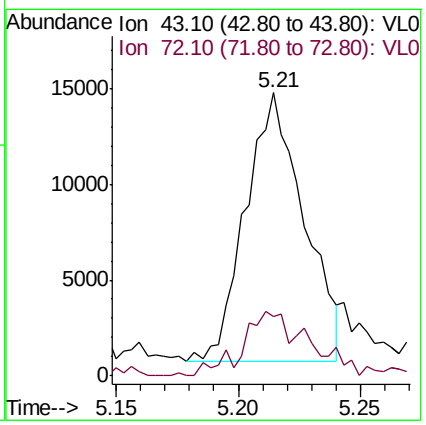


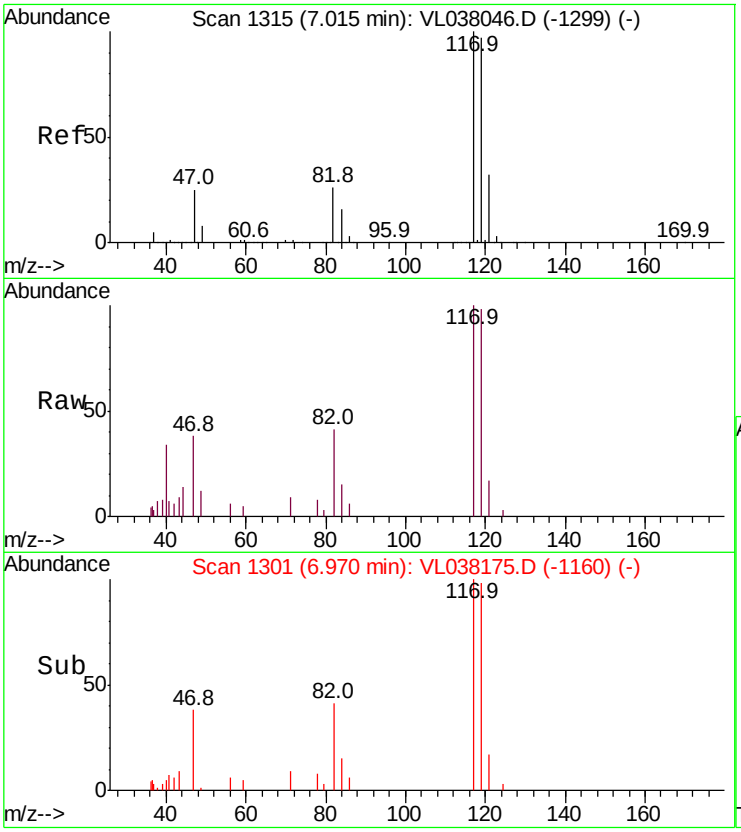


#34
2-Butanone
Concen: 0.250 ppbv
RT: 5.21 min Scan# 755
Delta R.T. -0.03 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 43 Resp: 23300

Ion	Ratio	Lower	Upper
43	100		
72	30.2	18.8	28.2#



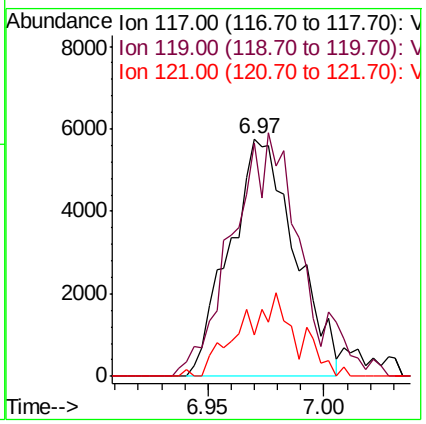


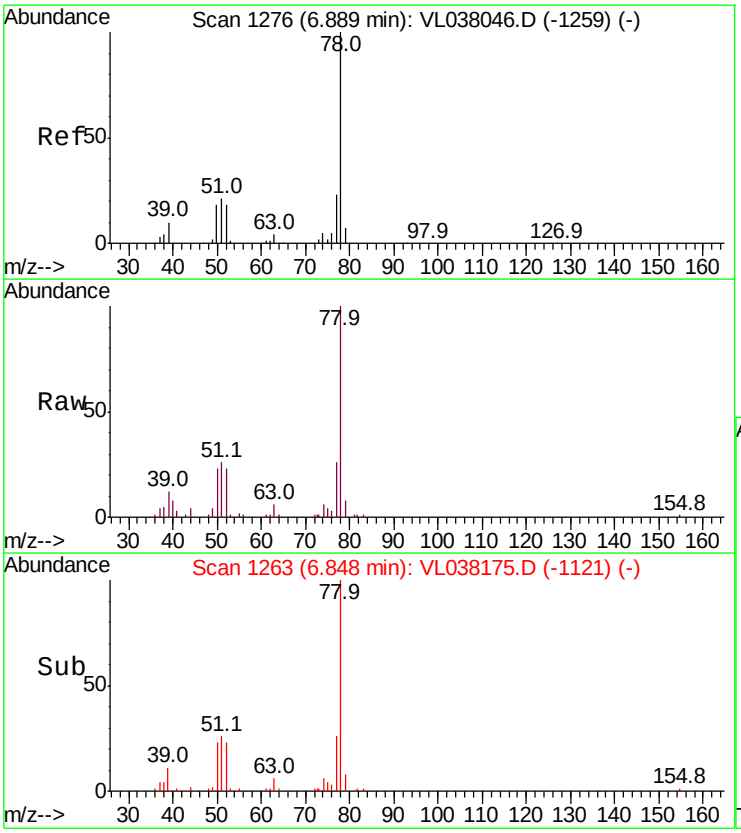
#35
Carbon Tetrachloride
Concen: 0.069 ppbv
RT: 6.97
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 11222

Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.7	116.5
121	17.3	25.6	38.4#

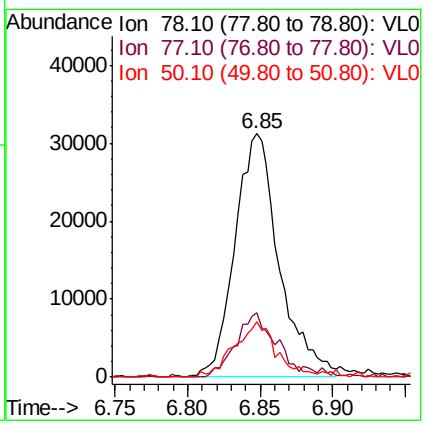


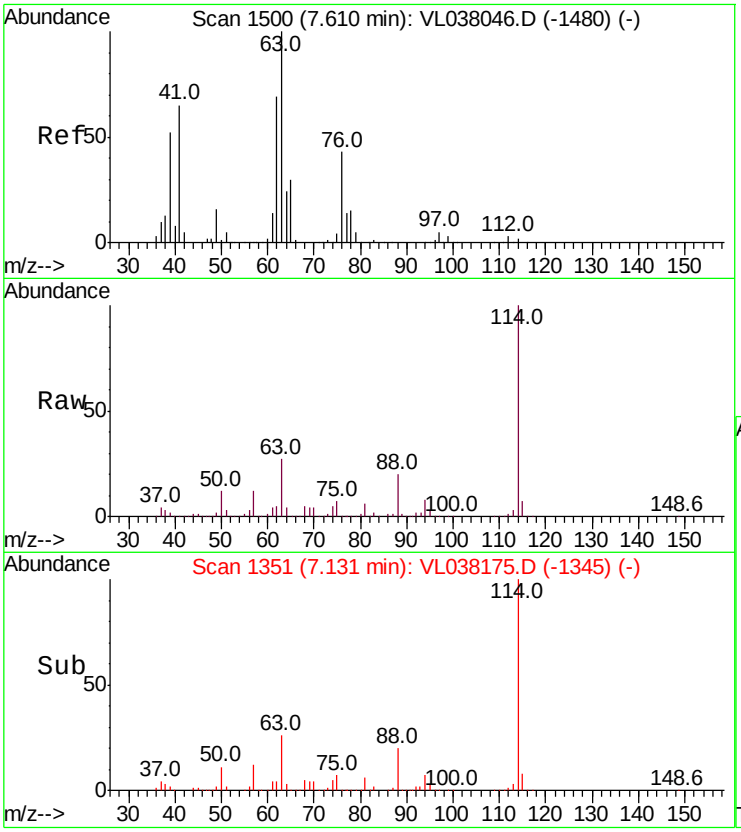


#36
Benzene
Concen: 0.288 ppbv
RT: 6.85 min Scan# 1263
Delta R.T. -0.04 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 78 Resp: 66316

Ion	Ratio	Lower	Upper
78	100		
77	26.2	18.2	27.4
50	22.9	14.7	22.1#



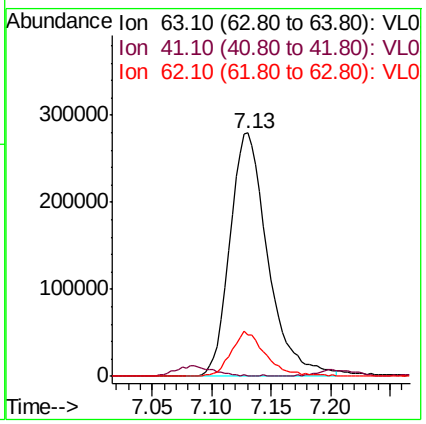


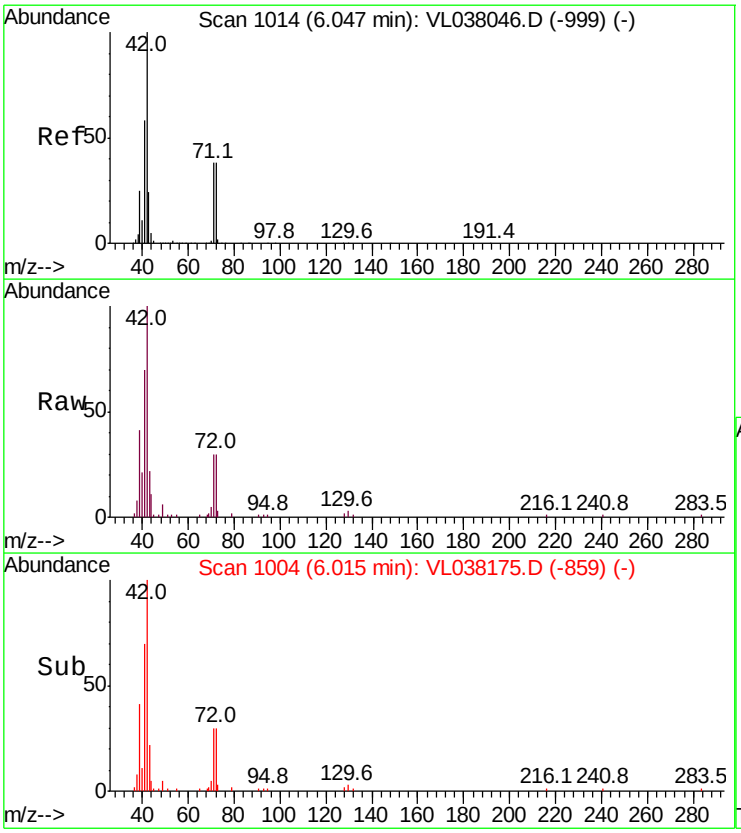
#39
1,2-Dichloropropane
Concen: 6.985 ppbv
RT: 7.13
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 617569

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	17.2	55.1	82.7#

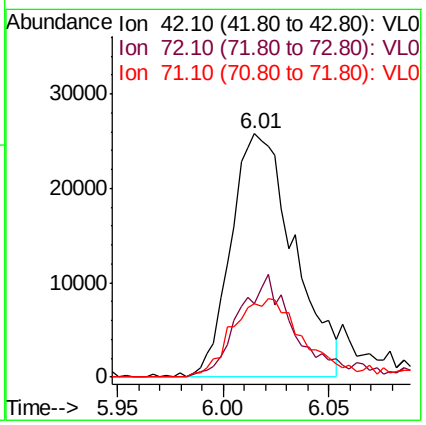


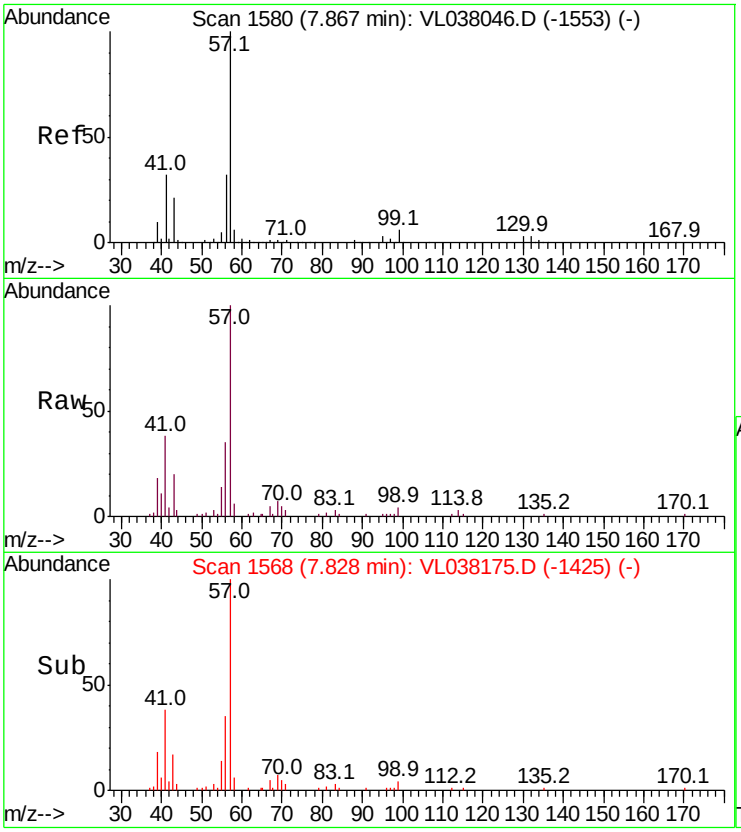


#41
Tetrahydrofuran
Concen: 0.927 ppbv
RT: 6.01 min Scan# 1004
Delta R.T. -0.03 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 42 Resp: 53592

Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.7	47.5
71	36.6	30.6	46.0



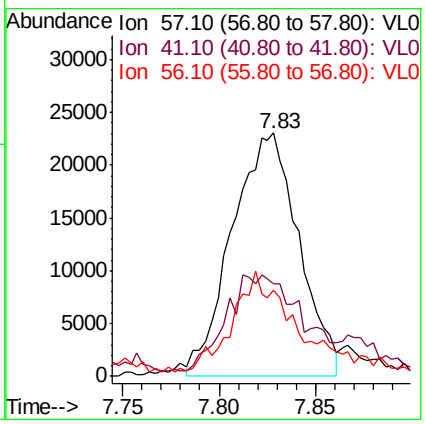


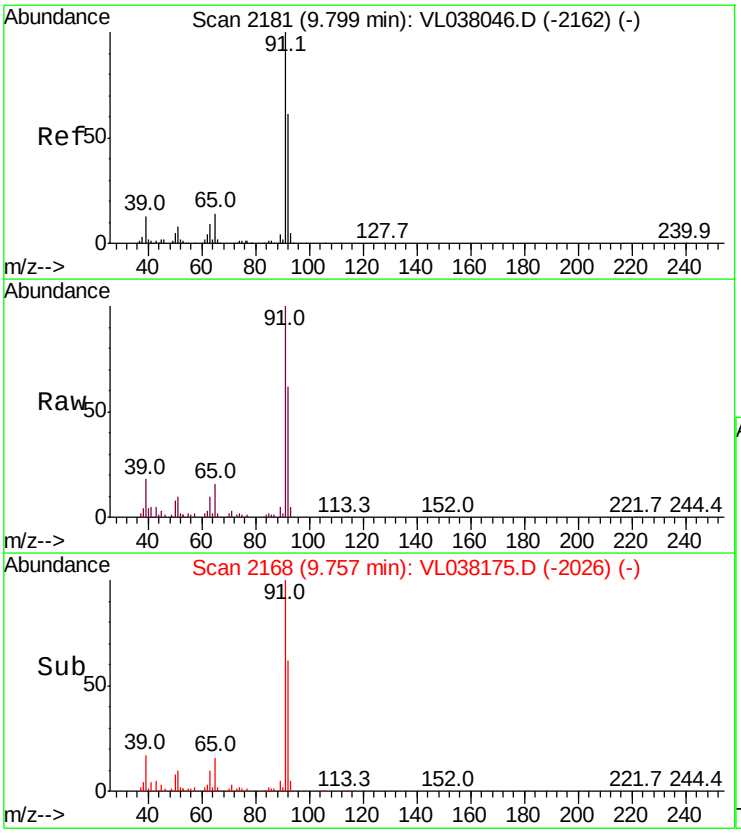
#44
2,2,4-Trimethylpentane
Concen: 0.144 ppbv
RT: 7.83
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 55554

Ion	Ratio	Lower	Upper
57	100		
41	60.5	25.8	38.6#
56	46.7	25.6	38.4#

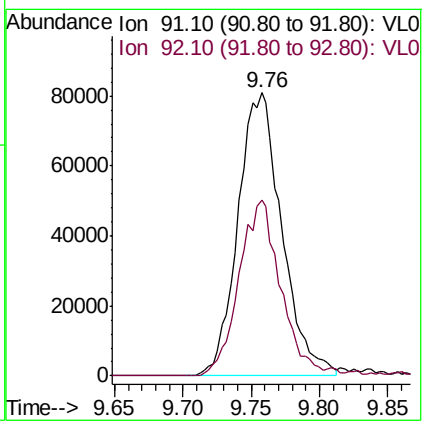


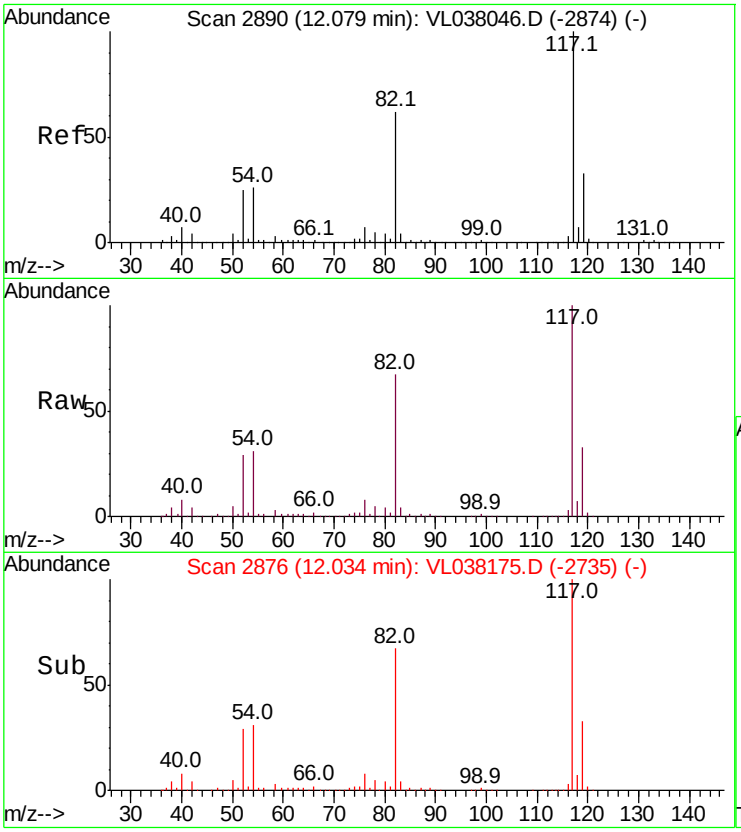


#53
Toluene
Concen: 0.683 ppbv
RT: 9.76 min Scan# 2168
Delta R.T. -0.04 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 91 Resp: 181056

Ion	Ratio	Lower	Upper
91	100		
92	59.8	49.7	74.5



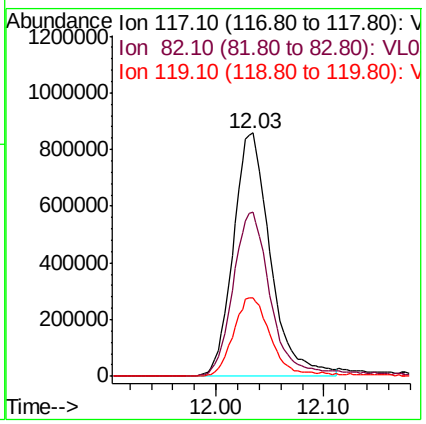


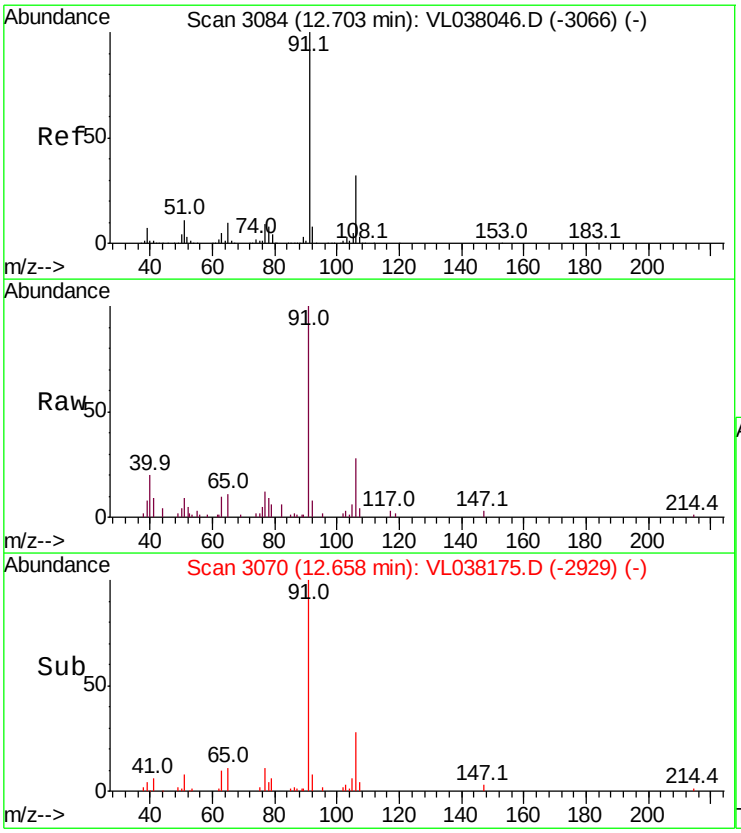
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.03
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2058100

Ion	Ratio	Lower	Upper
117	100		
82	71.3	52.8	79.2
119	33.6	26.8	40.2

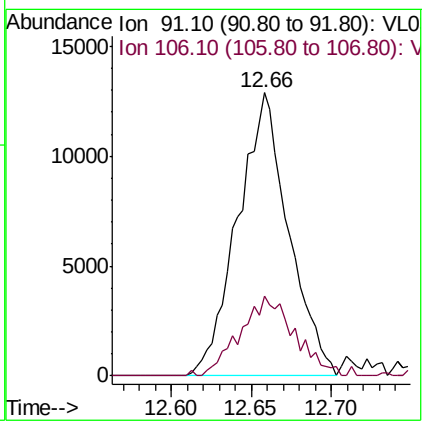


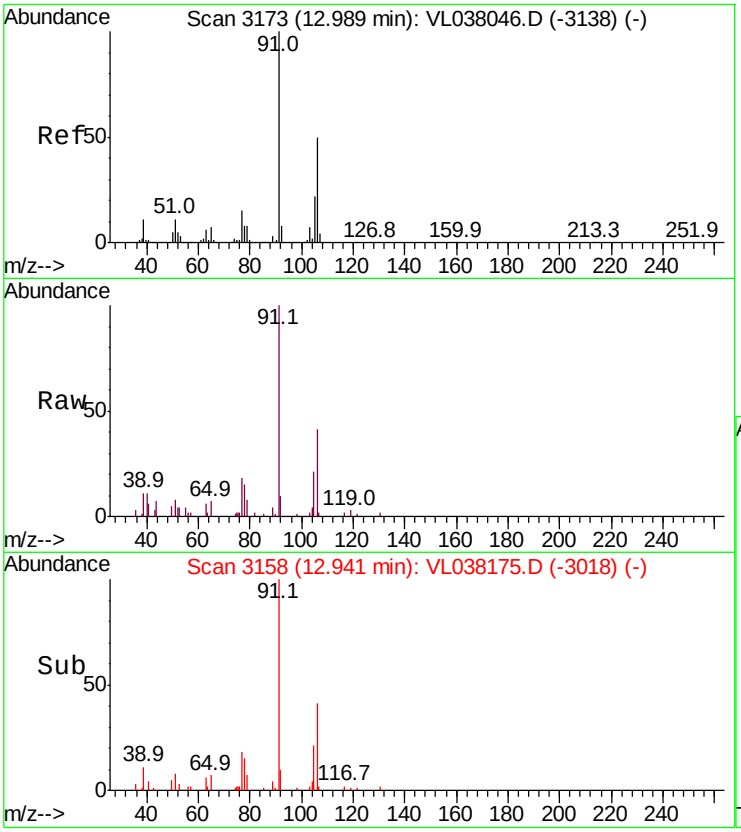


#58
Ethyl Benzene
Concen: 0.083 ppbv
RT: 12.66 min Scan# 3070
Delta R.T. -0.05 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 91 Resp: 28127

Ion	Ratio	Lower	Upper
91	100		
106	28.0	25.8	38.6



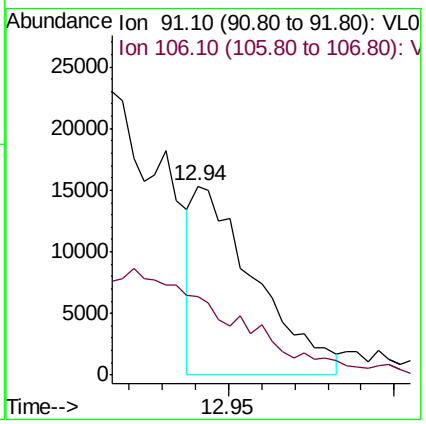


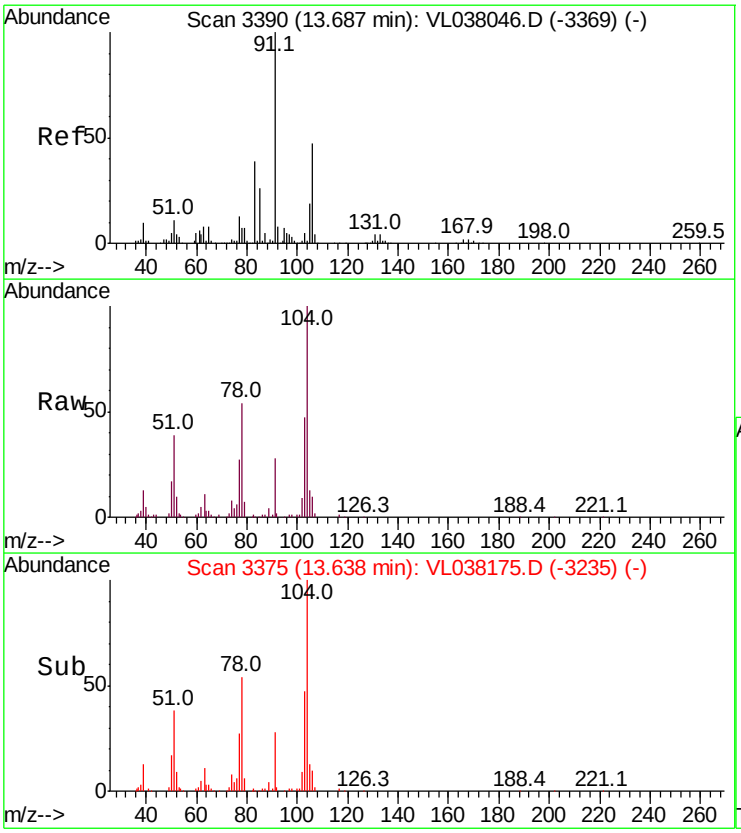
#59
m/p-Xylene
Concen: 0.069 ppbv
RT: 12.94
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 19859

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.1	57.1#

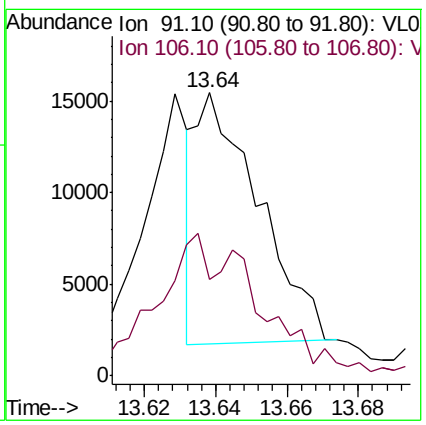


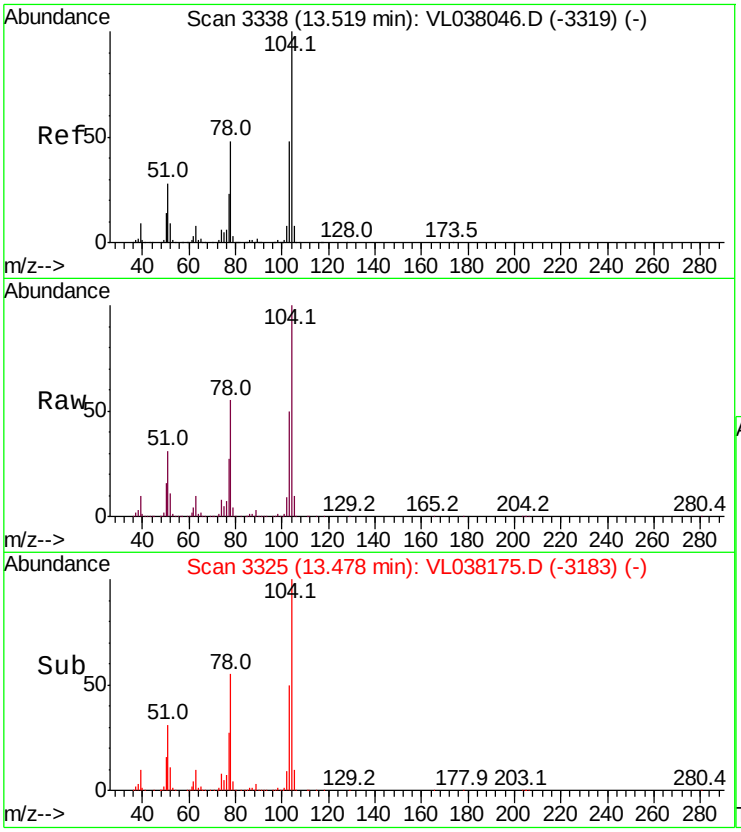


#60
o-Xylene
Concen: 0.062 ppbv
RT: 13.64 min Scan# 3375
Delta R.T. -0.05 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 91 Resp: 16577

Ion	Ratio	Lower	Upper
91	100		
106	100.4	24.2	72.6#



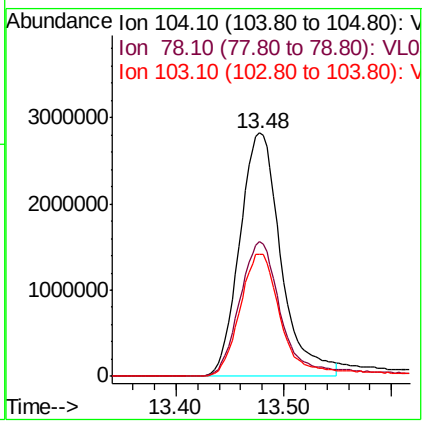


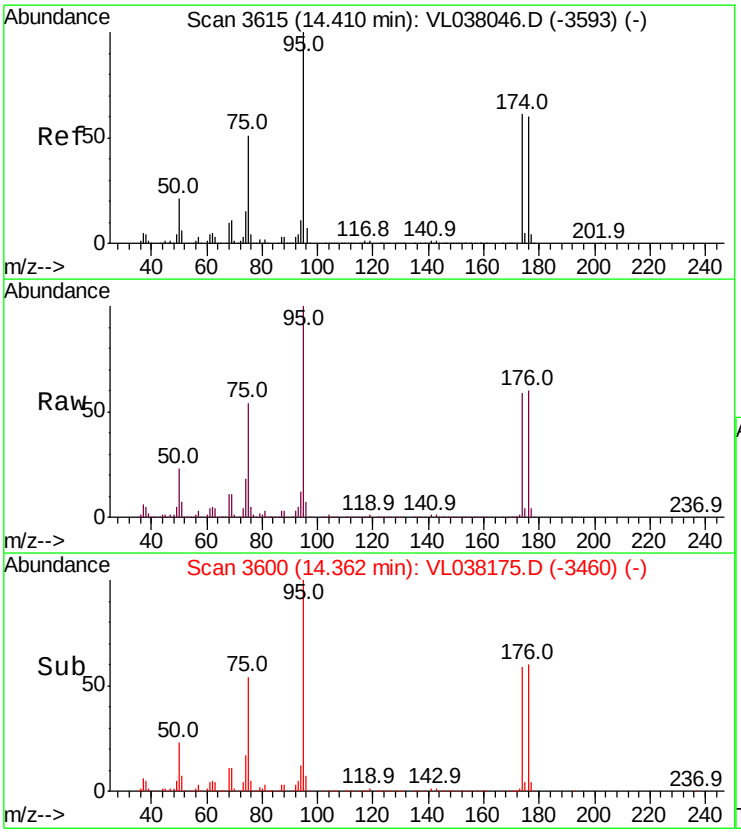
#61
Stvrene
Concen: 52.787 ppbv
RT: 13.48
Delta R.T
Lab File:
Acq: 14 Dec 2021 20:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 7517686

Ion	Ratio	Lower	Upper
104	100		
78	59.4	39.8	59.6
103	53.1	38.2	57.2





#68
1-Bromo-4-Fluorobenzene
Concen: 11.109 ppbv
RT: 14.36 min Scan# 3600
Delta R.T. -0.05 min
Lab File: VL038175.D
Acq: 14 Dec 2021 20:44

Tgt Ion: 95 Resp: 1649200

Ion	Ratio	Lower	Upper
95	100		
174	65.0	53.1	79.7
175	4.6	4.0	6.0