Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038391.D
Acq On : 22 Feb 2022 16:23
Operator : SY/AP
Sample : N1606-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BG-TEDUP

Quant Time: Feb 23 07:04:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	787621	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.17	114	1914315	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.08	117	1678556	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1419676	10.22	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	28596	0.23	ppbv		99
3) Chlorodifluoromethane	2.99	51	38927	0.28	ppbv	#	89
4) Chloromethane	3.15	50	28324	0.59	ppbv		99
9) Propene	3.21	41	155176	3.38	ppbv		97
10) Heptane	8.12	43	11792	0.11	ppbv	#	40
11) Trichlorofluoromethane	3.95	101	44244	0.37	ppbv		96
13) Ethanol	3.60	45	352631	76.95	ppbv		87
15) Acetone	3.85	43	308989	4.61	ppbv	#	60
16) 1,3-Butadiene	3.31	39	6215	0.14	ppbv	#	12
19) Isopropyl Alcohol	3.97	45	147669	3.81	ppbv	#	96
20) Methylene Chloride	4.35	84	78913	2.38	ppbv		91
21) Allyl Chloride	4.37	41	2937	0.05	ppbv	#	19
23) Vinyl Acetate	5.06	43	23249	0.26	ppbv	#	30
25) Ethyl Acetate	5.68	43	155624	0.86	ppbv	#	81
26) Hexane	5.68	57	207790	2.55	ppbv	#	43
30) Cyclohexane	7.12	84	3123	0.05	ppbv	#	1
34) 2-Butanone	5.24	43	100558	1.67	ppbv		93
36) Benzene	6.88	78	52567	0.31	ppbv		97
39) 1,2-Dichloropropane	7.17	63	508410	7.57	ppbv	#	26
44) 2,2,4-Trimethylpentane	7.86	57	65835	0.23	ppbv	#	85
53) Toluene	9.80	91	228547	1.25	ppbv		100
59) m/p-Xylene	12.98	91	17512	0.09	ppbv	#	33
60) o-Xylene	13.69	91	7810	0.04	ppbv	#	32
74) 1,2,4-Trimethylbenzene	16.75	105	10942	0.06	ppbv	#	68

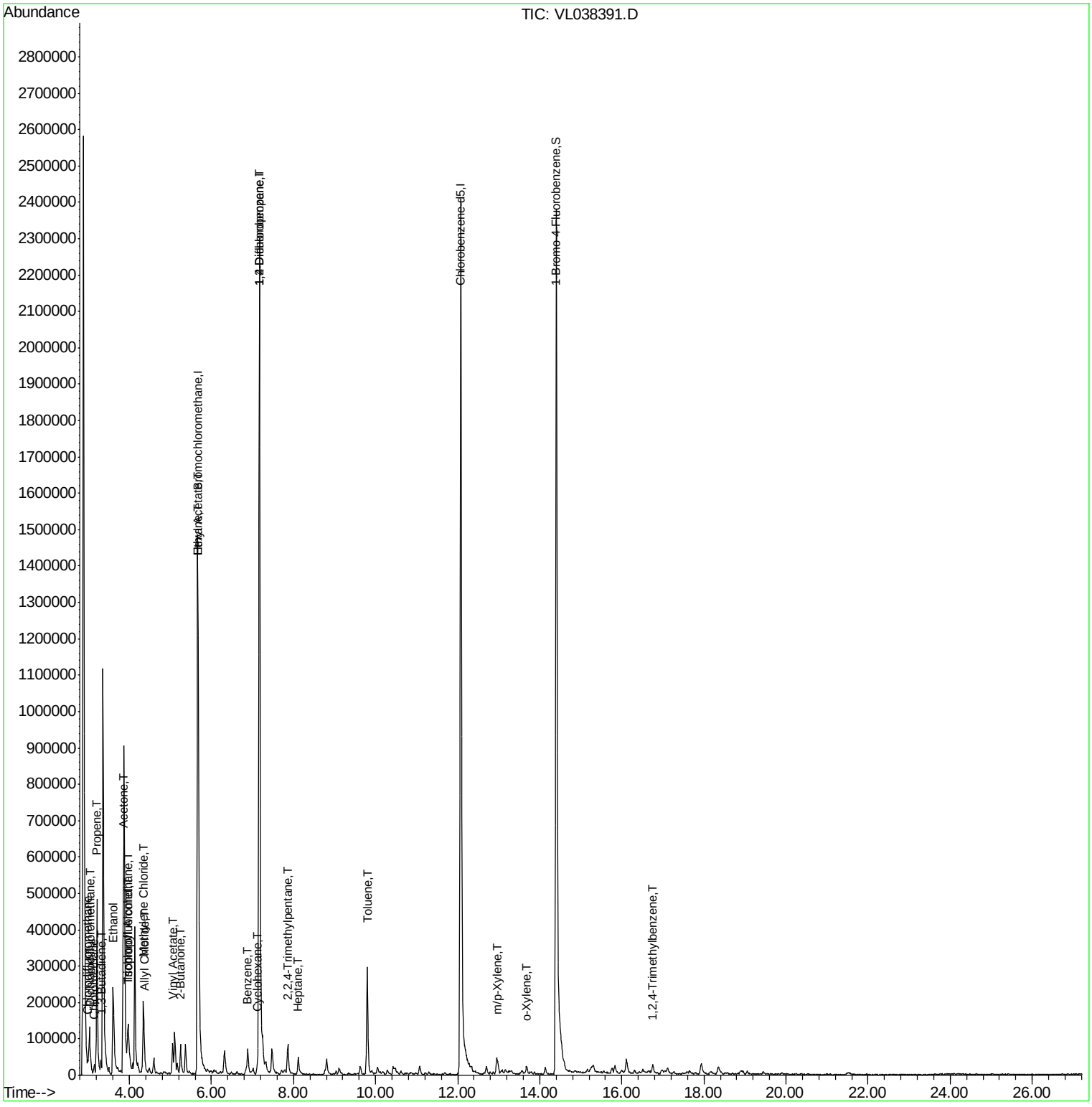
(#) = qualifier out of range (m) = manual integration (+) = signals summed

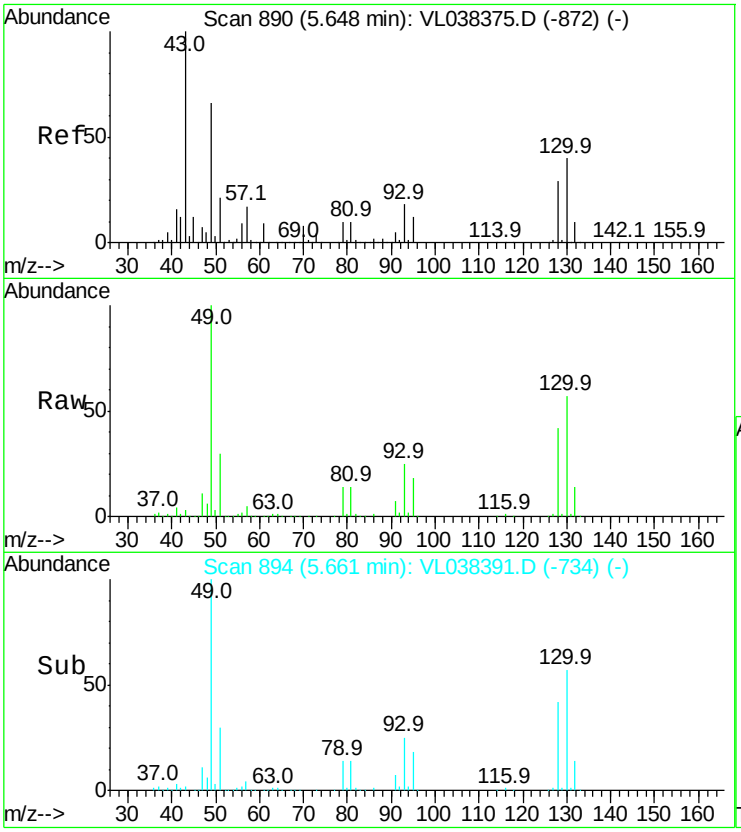
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038391.D
Acq On : 22 Feb 2022 16:23
Operator : SY/AP
Sample : N1606-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Quant Time: Feb 23 07:04:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration



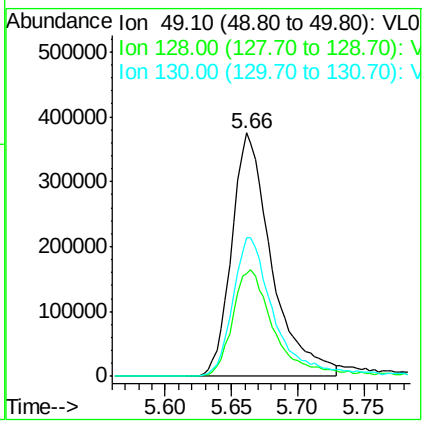


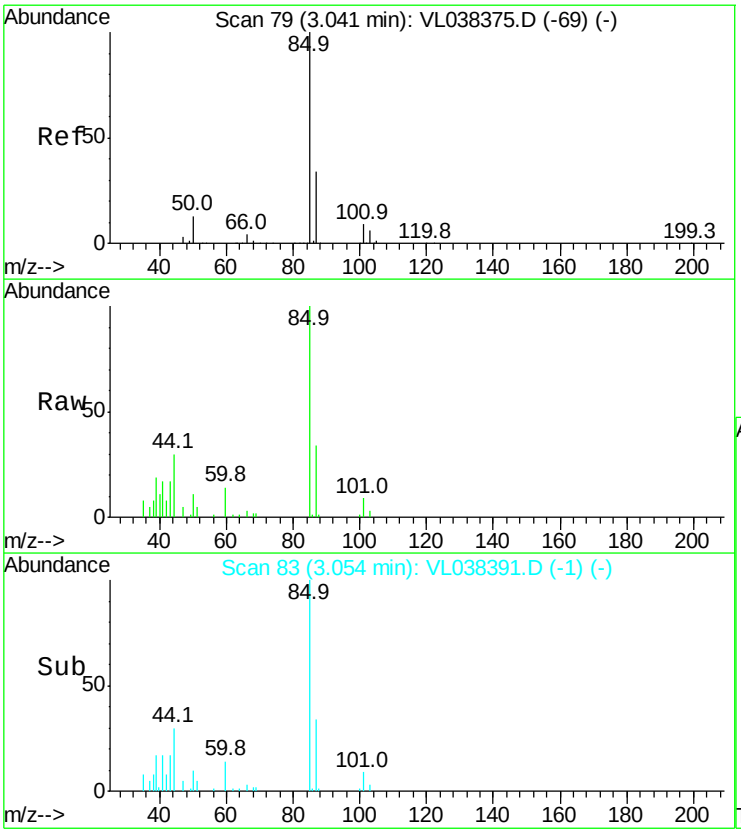
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 49 Resp: 787621

Ion	Ratio	Lower	Upper
49	100		
128	47.0	24.3	72.9
130	60.6	30.1	90.5

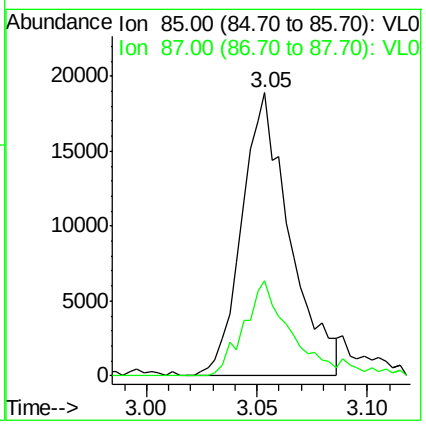


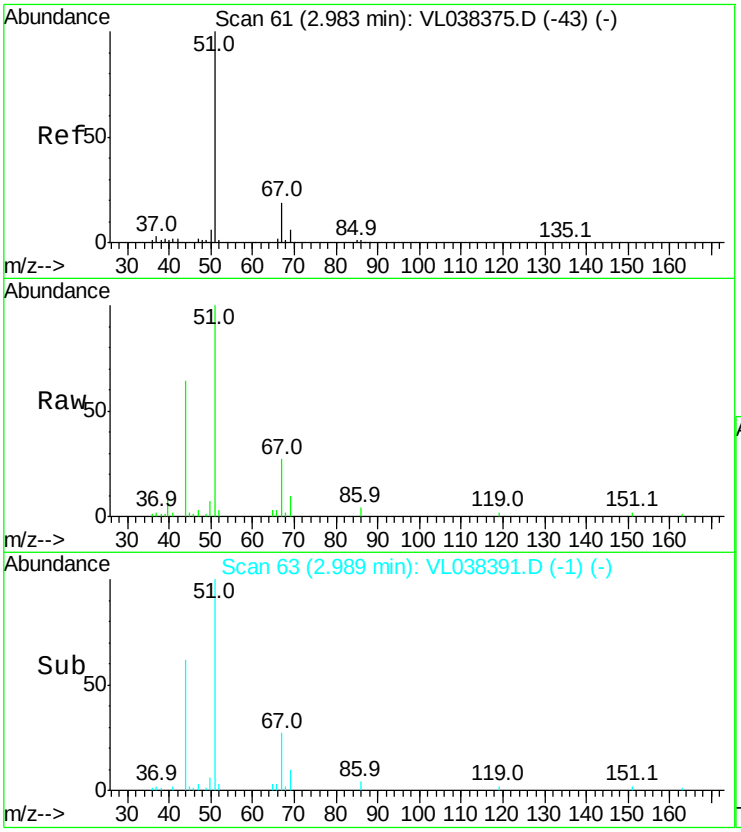


#2
Dichlorodifluoromethane
Concen: 0.23 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 85 Resp: 28596

Ion	Ratio	Lower	Upper
85	100		
87	33.6	27.4	41.0



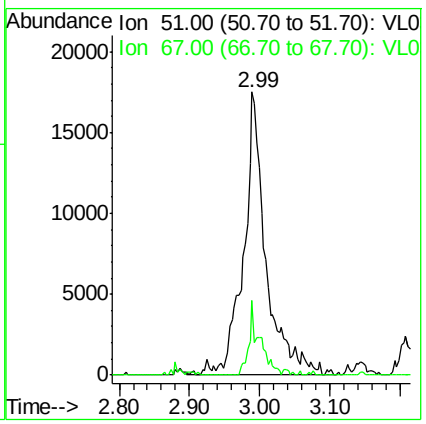


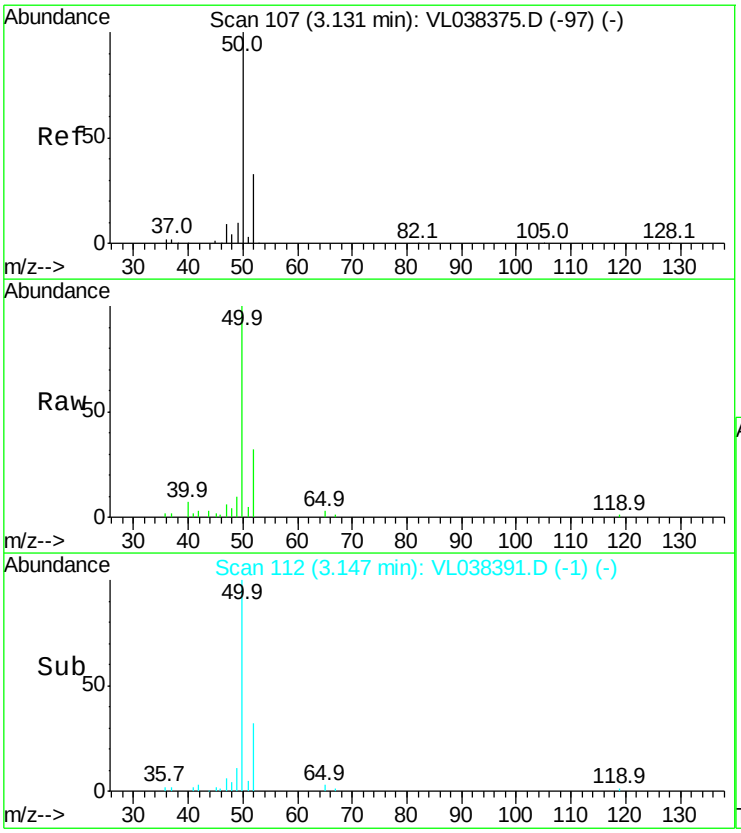
#3
Chlorodifluoromethane
Concen: 0.28 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 51 Resp: 38927

Ion	Ratio	Lower	Upper
51	100		
67	13.5	14.7	22.1#

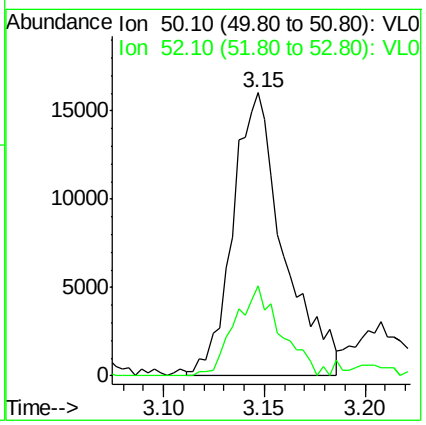


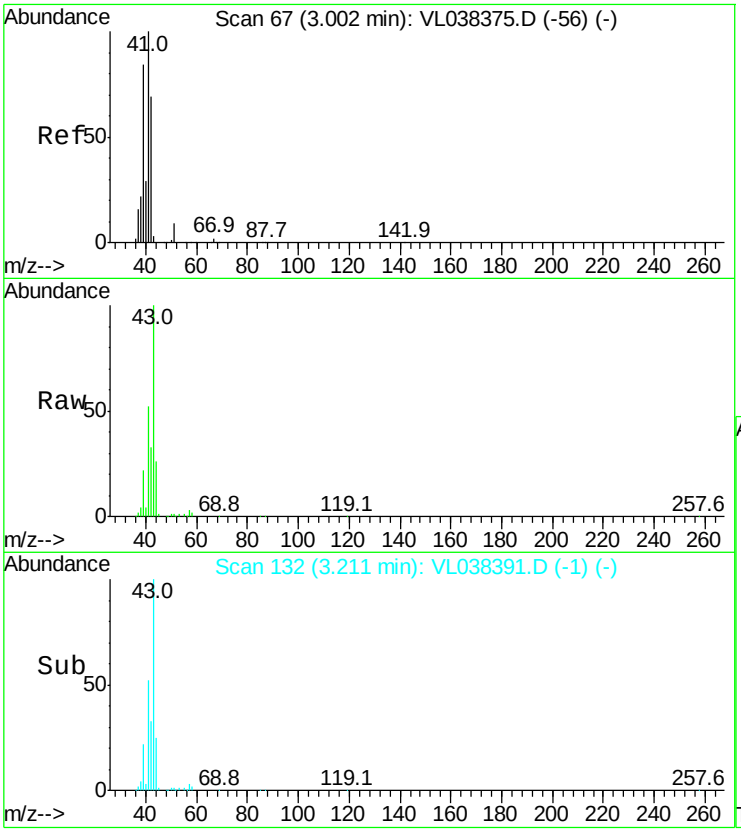


#4
Chloromethane
Concen: 0.59 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 50 Resp: 28324

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.5	39.7



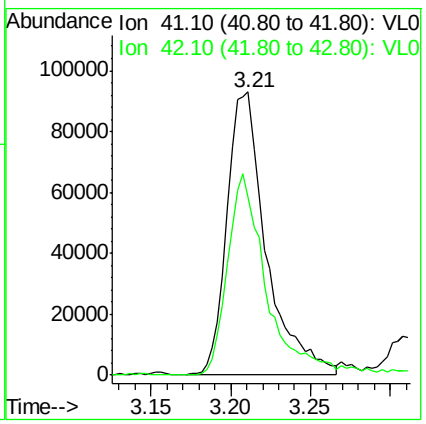


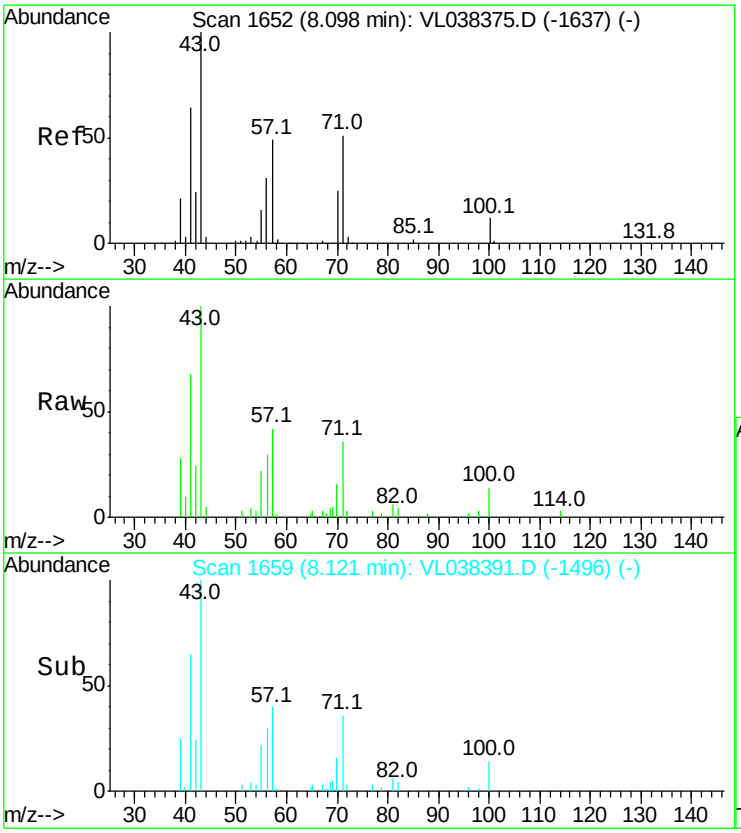
#9
Propene
Concen: 3.38 ppbv
RT: 3.21
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 41 Resp: 155176

Ion	Ratio	Lower	Upper
41	100		
42	70.8	54.6	82.0

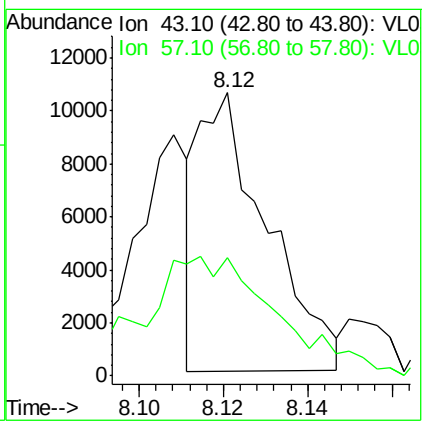


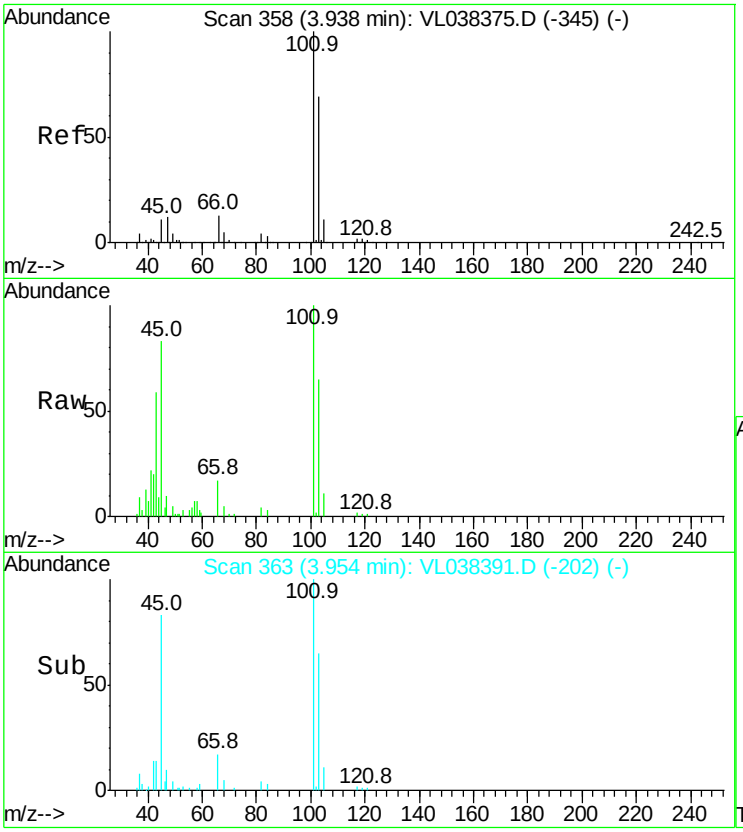


#10
Heptane
Concen: 0.11 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 43 Resp: 11792

Ion	Ratio	Lower	Upper
43	100		
57	90.7	39.8	59.8#



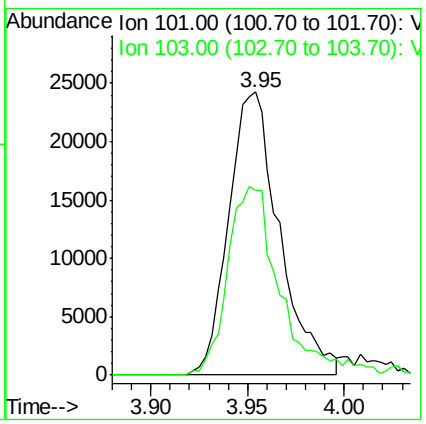


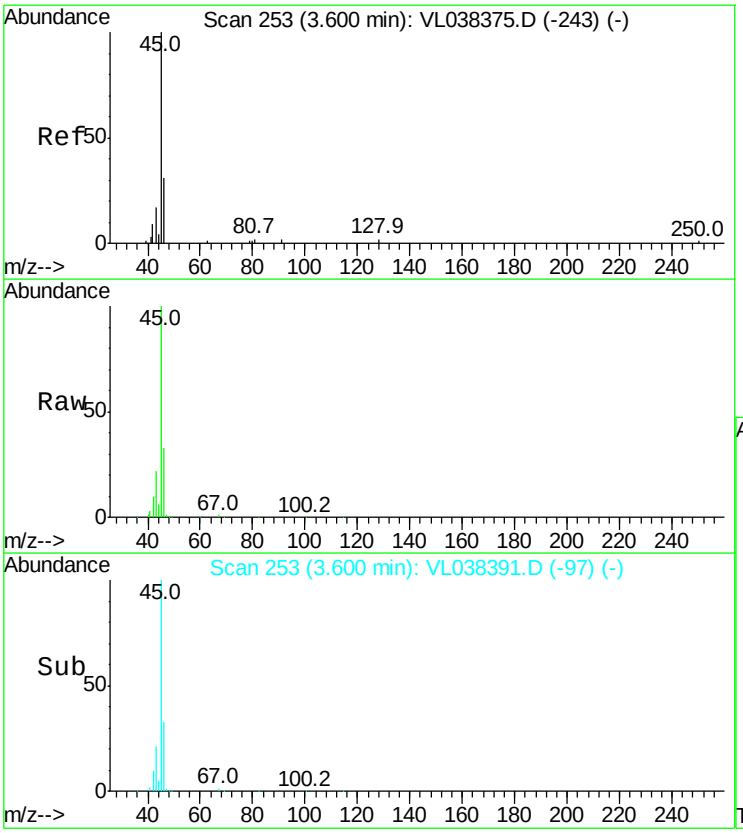
#11
Trichlorofluoromethane
Concen: 0.37 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion:101 Resp: 44244

Ion	Ratio	Lower	Upper
101	100		
103	65.1	55.0	82.4

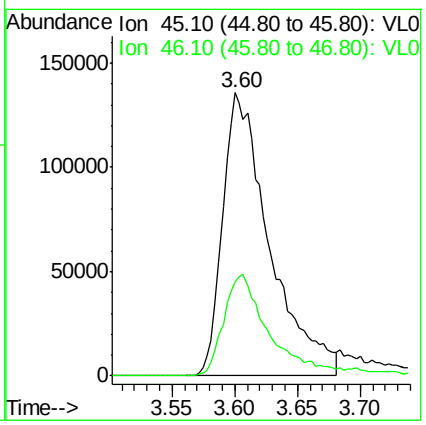


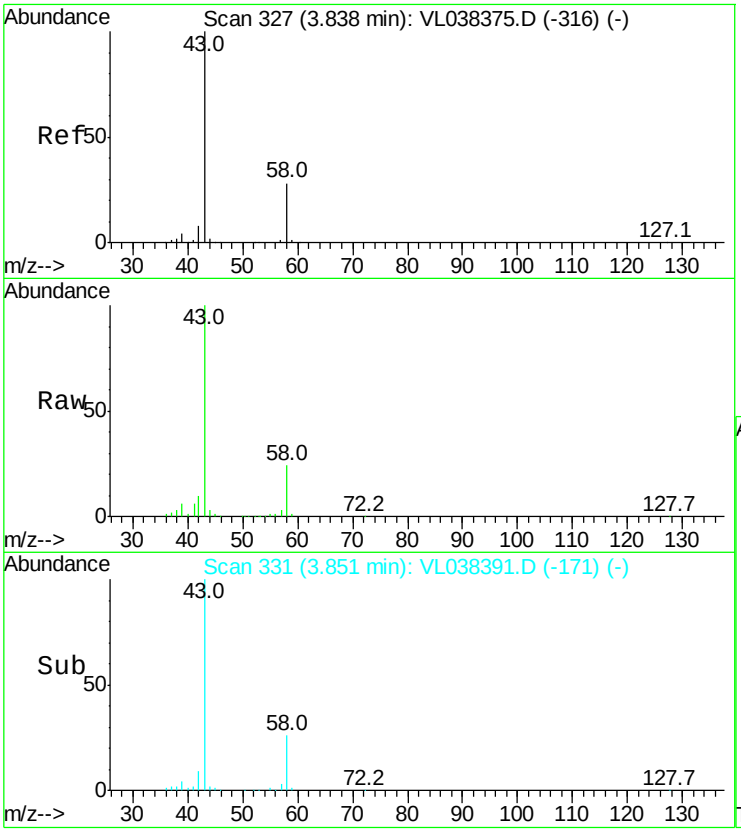


#13
Ethanol
Concen: 76.95 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 45 Resp: 352631

Ion	Ratio	Lower	Upper
45	100		
46	37.0	18.2	72.8



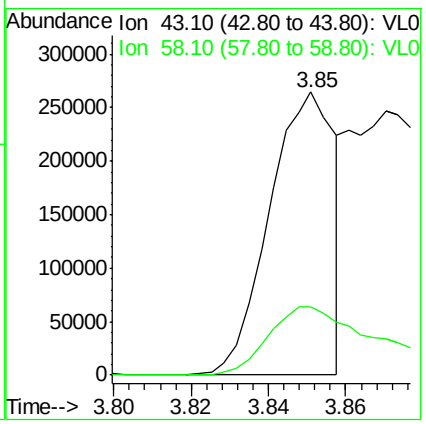


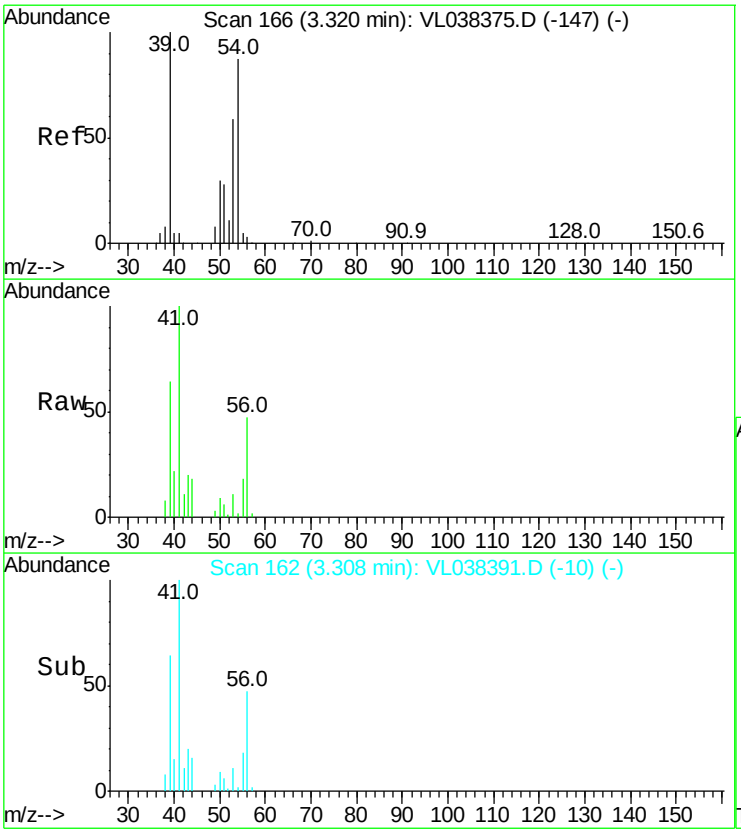
#15
Acetone
Concen: 4.61 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 43 Resp: 308989

Ion	Ratio	Lower	Upper
43	100		
58	48.1	21.7	32.5#

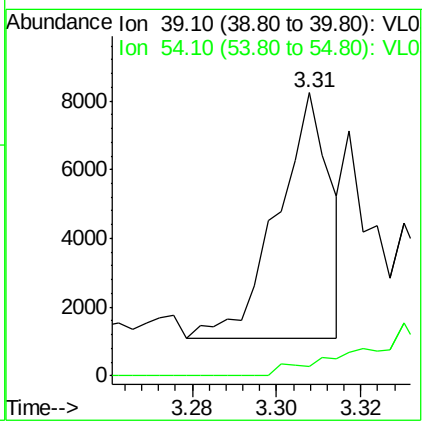


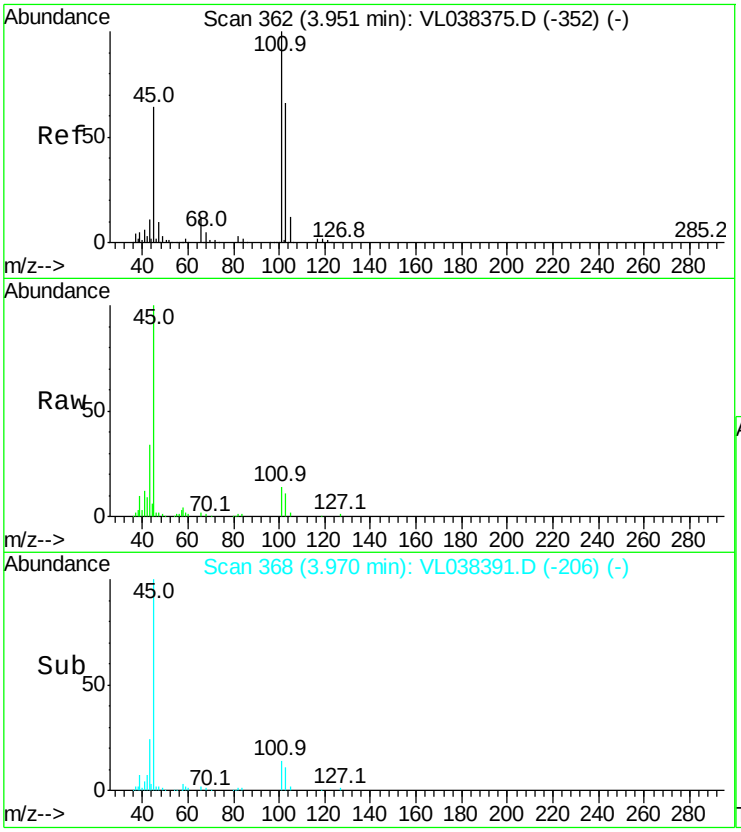


#16
1,3-Butadiene
Concen: 0.14 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 39 Resp: 6215

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.3	90.5#



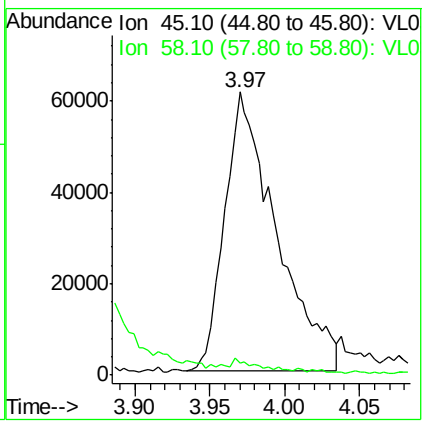


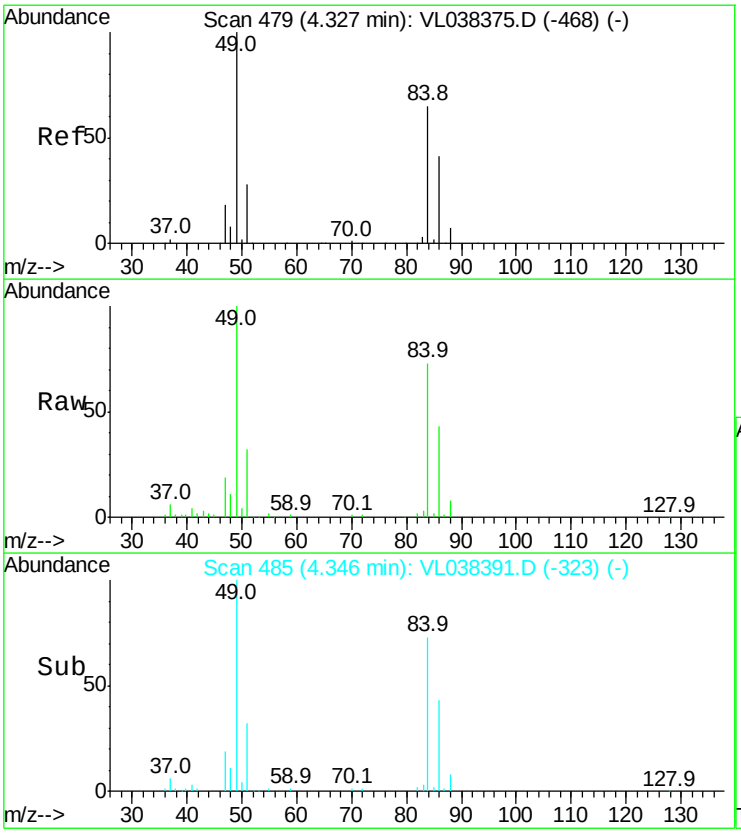
#19
Isopropyl Alcohol
Concen: 3.81 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 45 Resp: 147669

Ion	Ratio	Lower	Upper
45	100		
58	3.8	1.8	2.8#

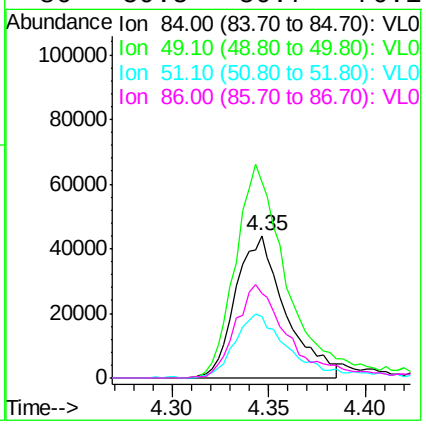


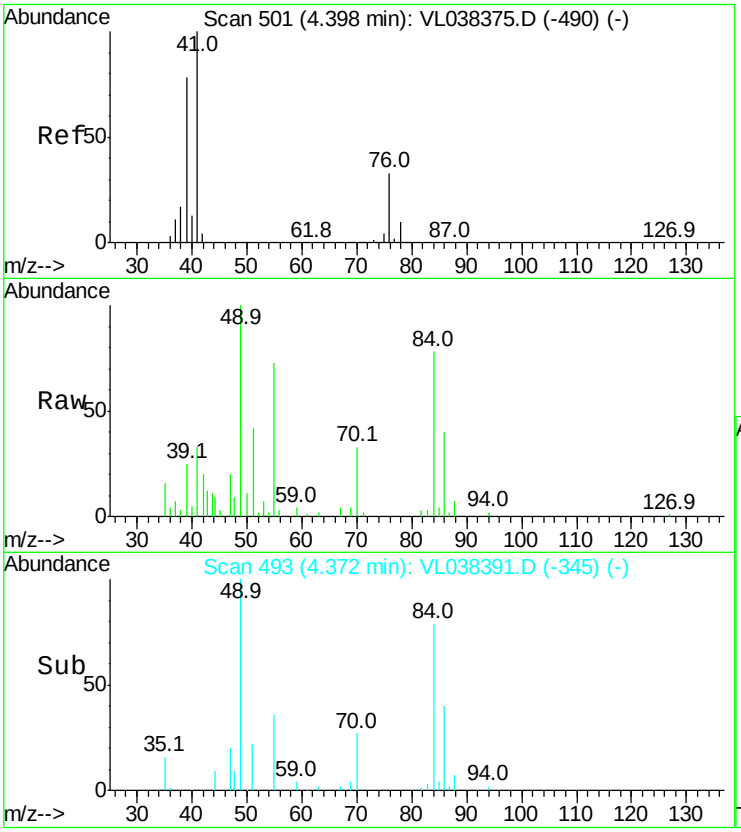


#20
Methylene Chloride
Concen: 2.38 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 84 Resp: 78913

Ion	Ratio	Lower	Upper
84	100		
49	137.2	122.4	183.6
51	42.9	33.3	49.9
86	59.5	50.7	76.1



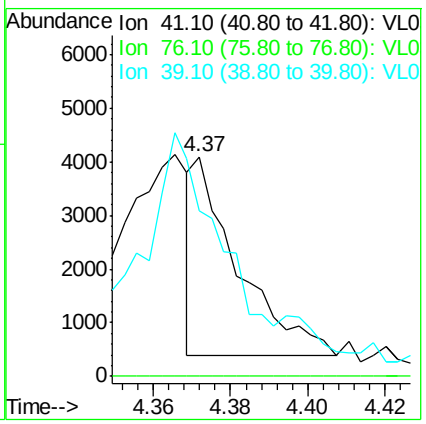


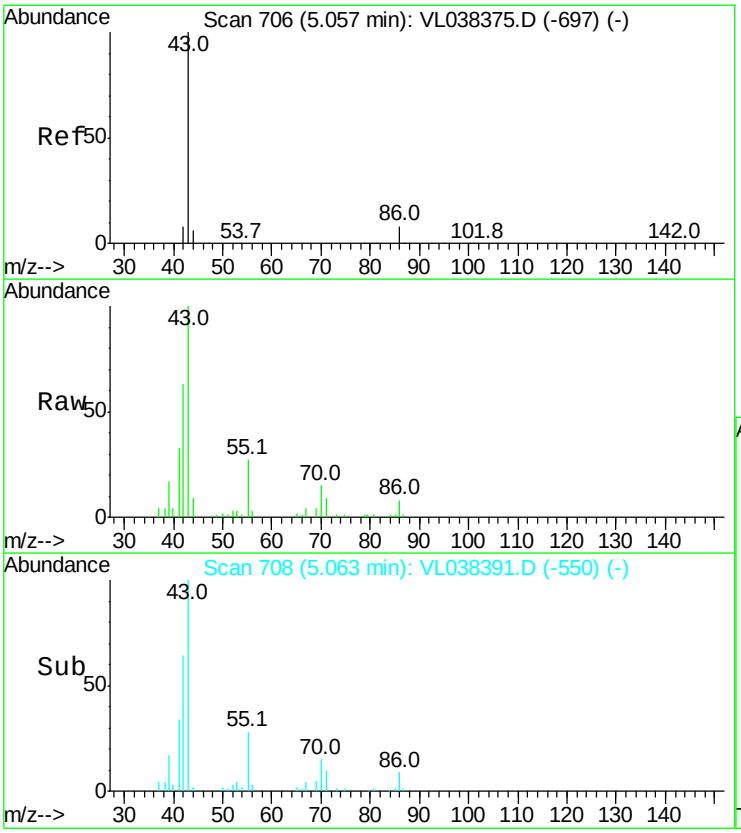
#21
Allyl Chloride
Concen: 0.05 ppbv
RT: 4.37
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 41 Resp: 2937

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.0#
39	0.0	63.0	94.6#

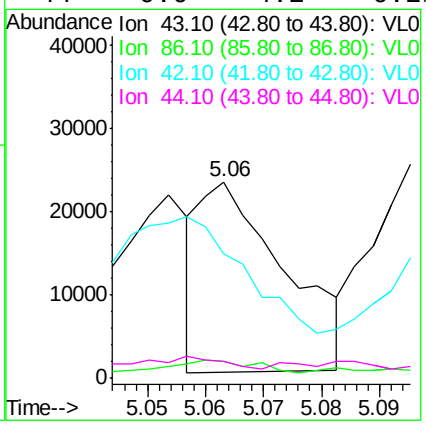


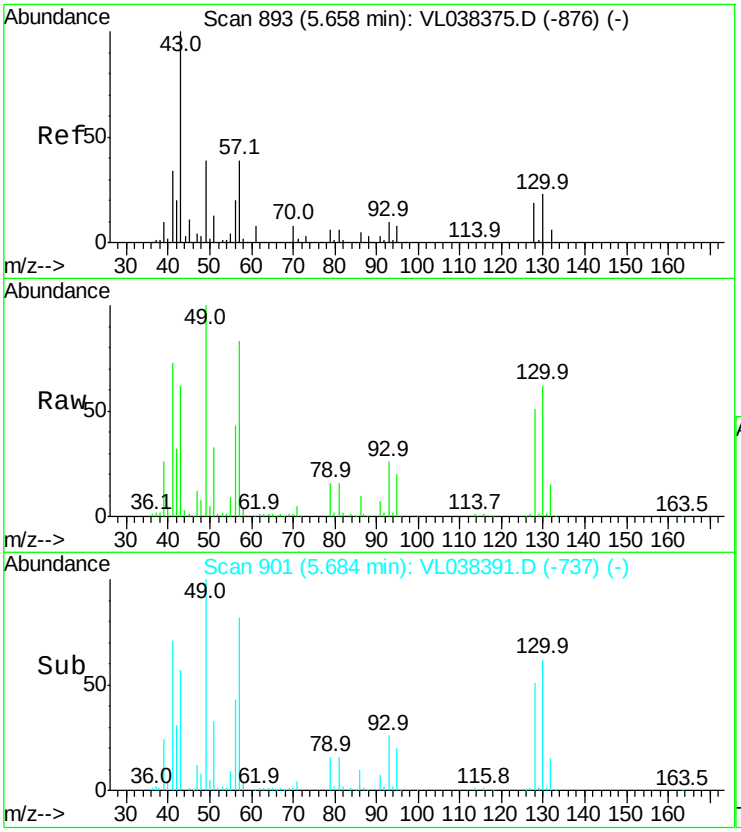


#23
Vinyl Acetate
Concen: 0.26 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.01 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 43 Resp: 23249

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.8	8.6
42	65.2	7.4	11.0#
44	0.0	4.2	6.2#



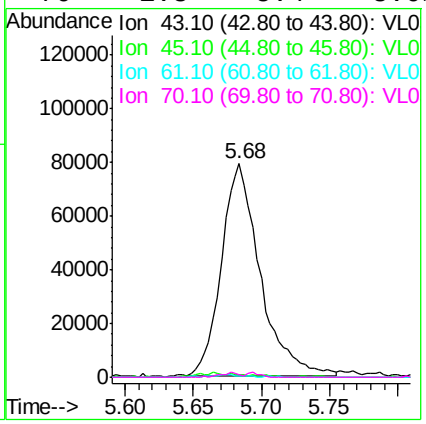


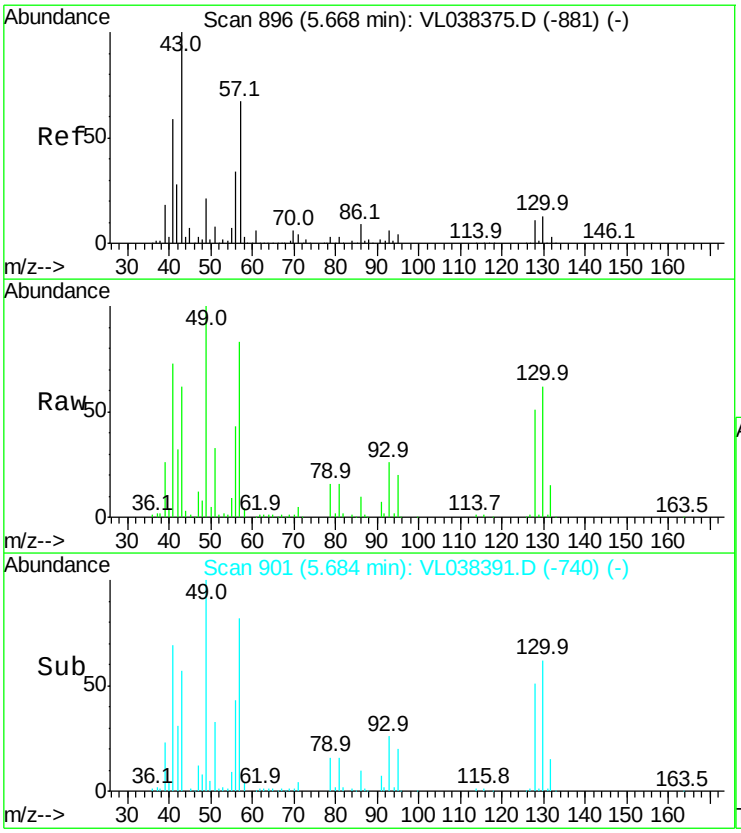
#25
Ethyl Acetate
Concen: 0.86 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 43 Resp: 155624

Ion	Ratio	Lower	Upper
43	100		
45	2.8	7.8	11.6#
61	1.1	7.5	11.3#
70	1.8	5.4	8.0#

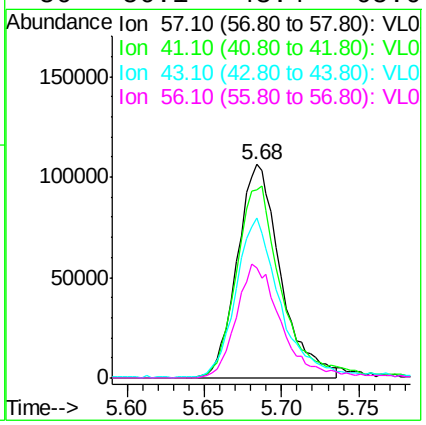


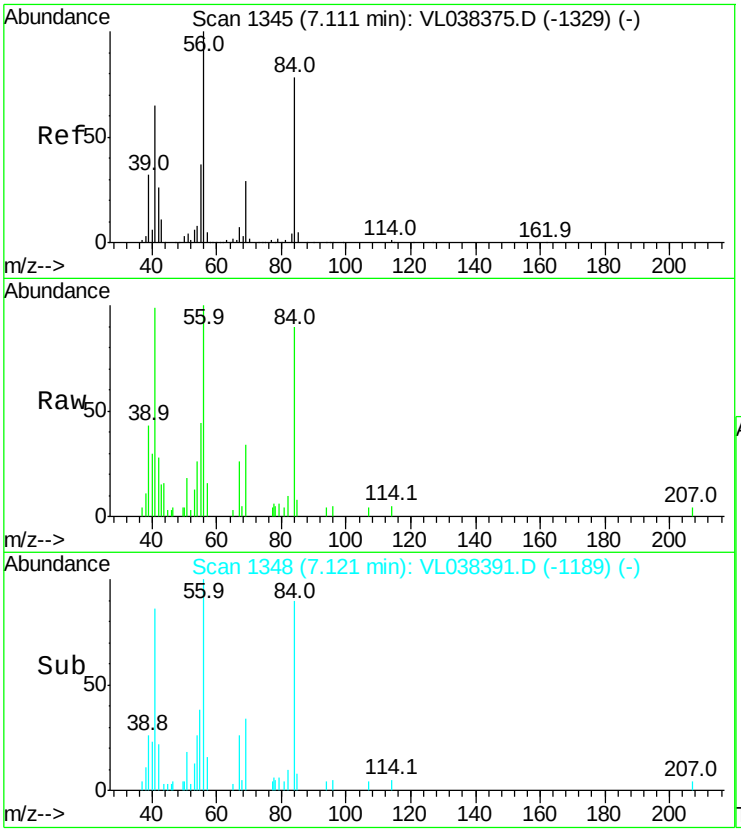


#26
Hexane
Concen: 2.55 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 57 Resp: 207790

Ion	Ratio	Lower	Upper
57	100		
41	95.2	73.1	109.7
43	77.0	181.0	271.4#
56	56.1	43.4	65.0



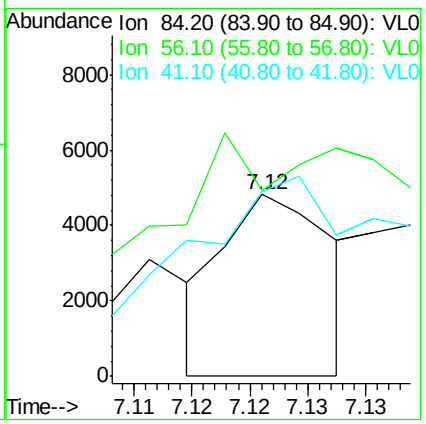


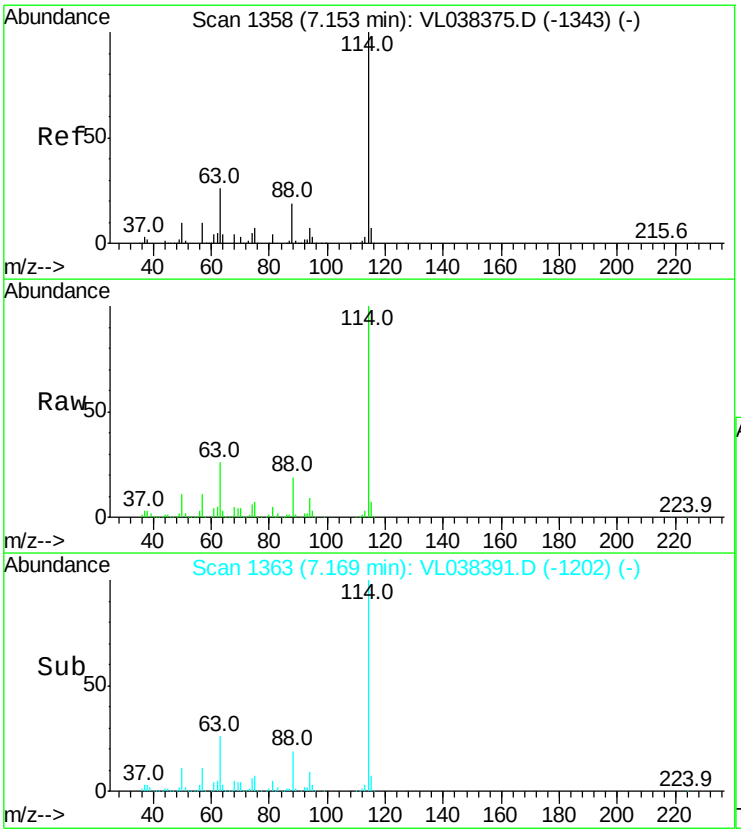
#30
Cyclohexane
Concen: 0.05 ppbv
RT: 7.12
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 84 Resp: 3123

Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.2	174.4#
41	422.2	74.3	111.5#

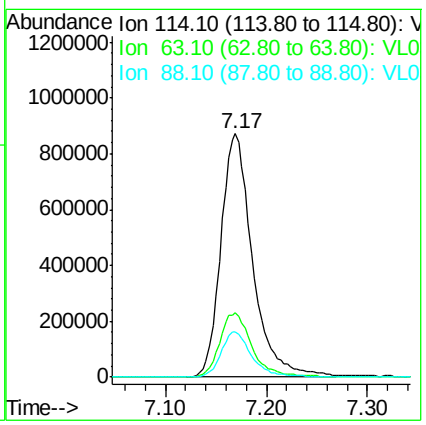


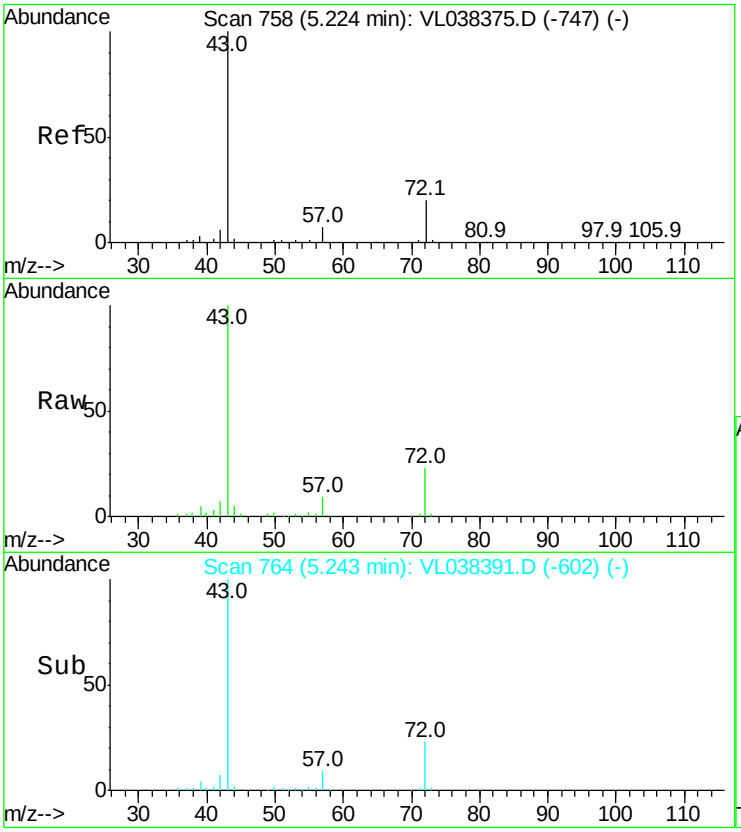


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion:114 Resp: 1914315

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.2
88	18.4	15.2	22.8



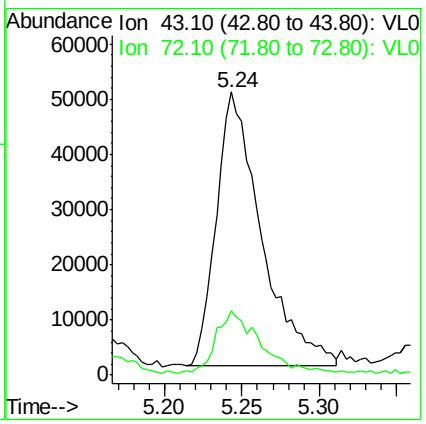


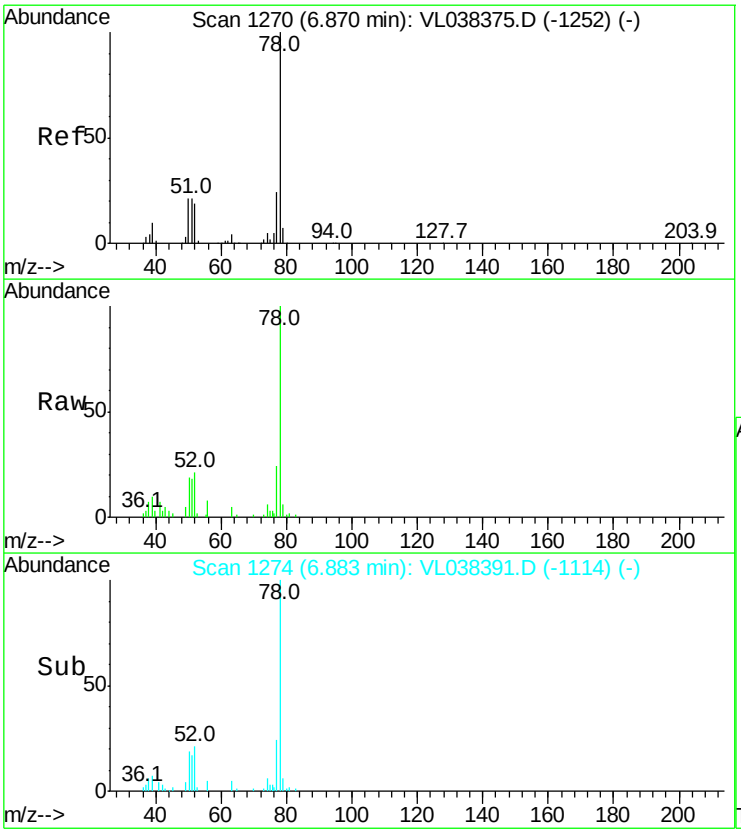
#34
2-Butanone
Concen: 1.67 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 43 Resp: 100558

Ion	Ratio	Lower	Upper
43	100		
72	24.9	17.4	26.2

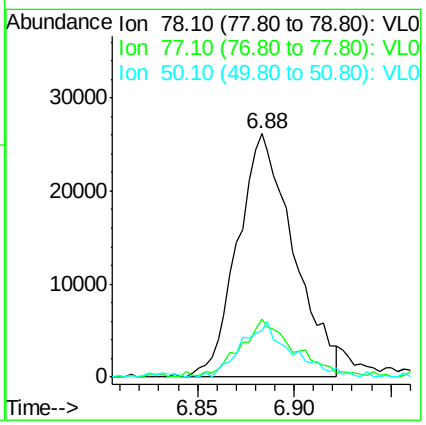


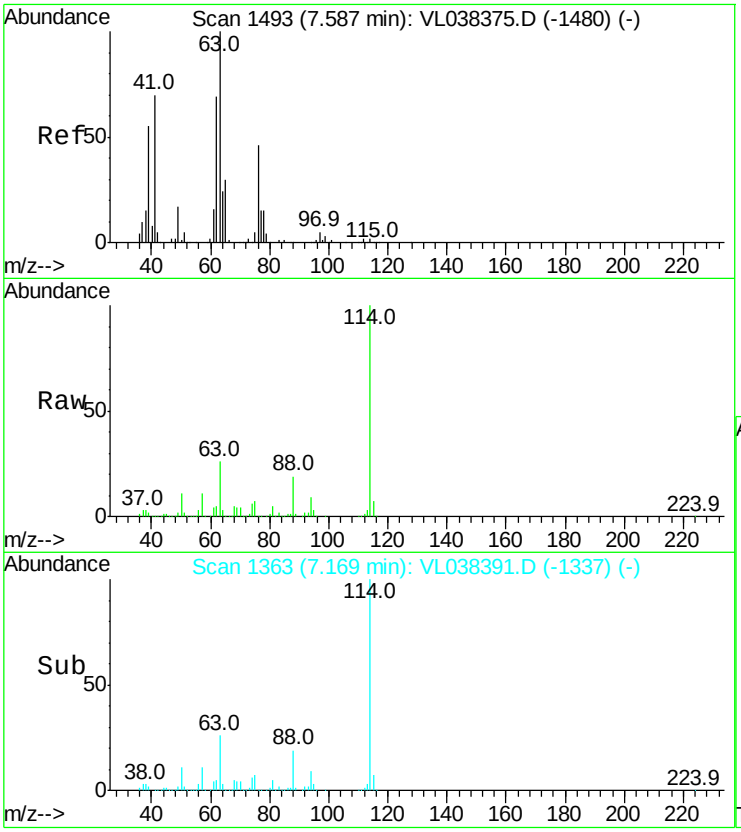


#36
Benzene
Concen: 0.31 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 78 Resp: 52567

Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.6
50	19.0	16.6	24.8



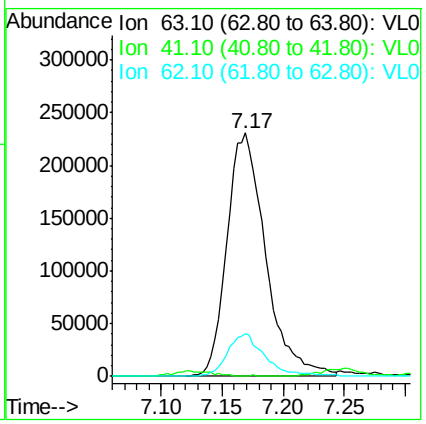


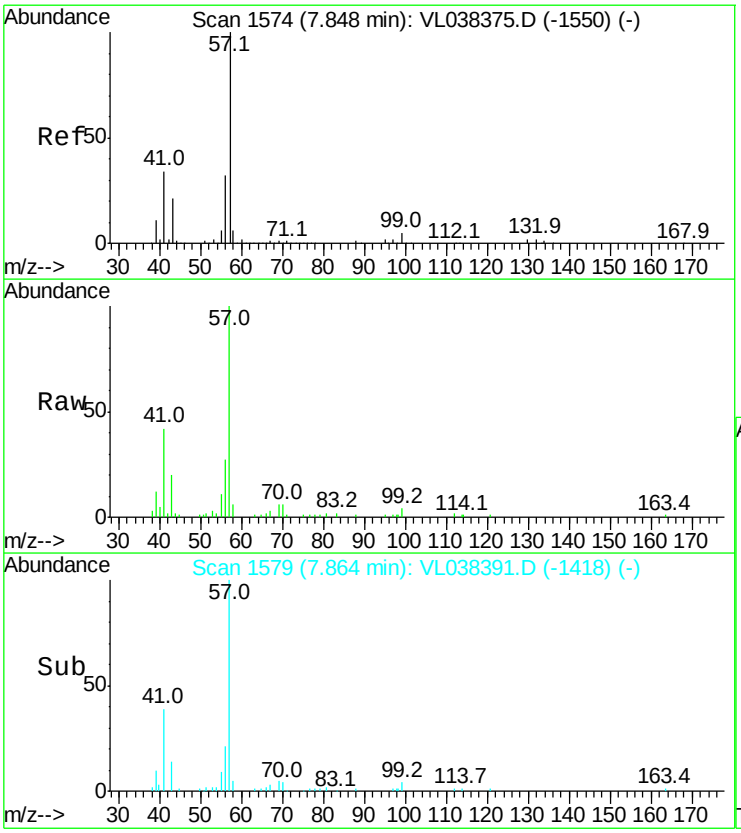
#39
1,2-Dichloropropane
Concen: 7.57 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 63 Resp: 508410

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	17.6	55.5	83.3#

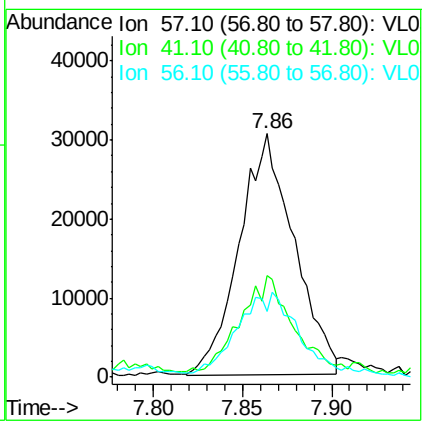


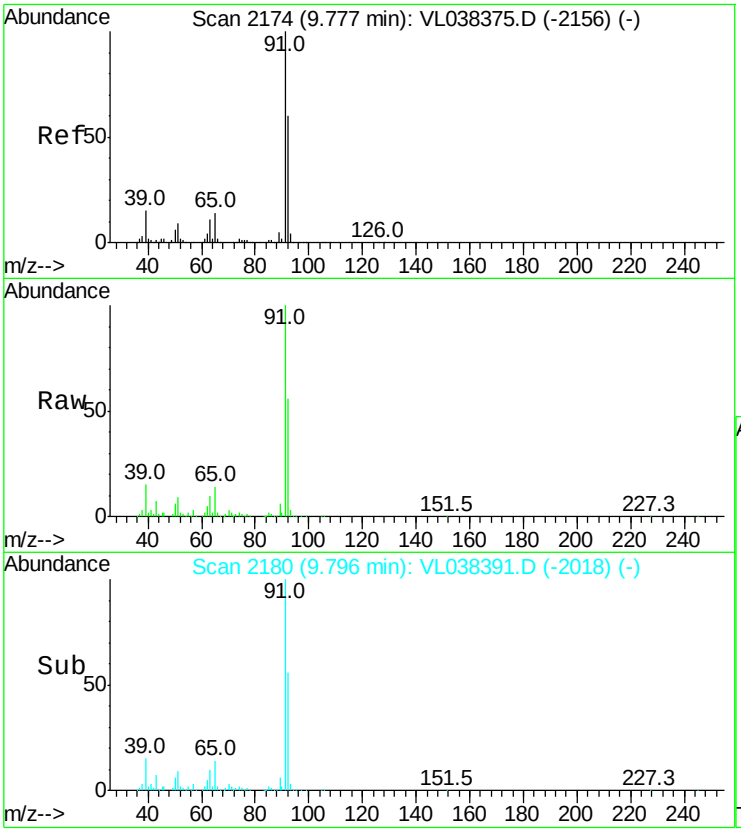


#44
2,2,4-Trimethylpentane
Concen: 0.23 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 57 Resp: 65835

Ion	Ratio	Lower	Upper
57	100		
41	40.9	26.6	39.8#
56	41.0	25.0	37.6#



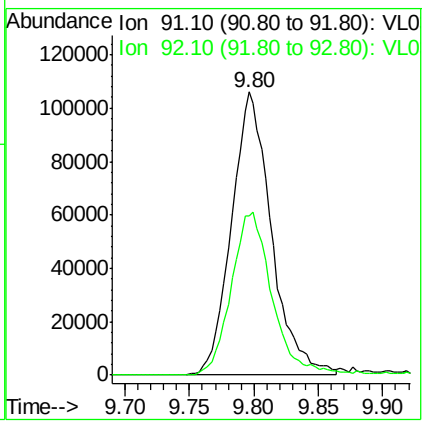


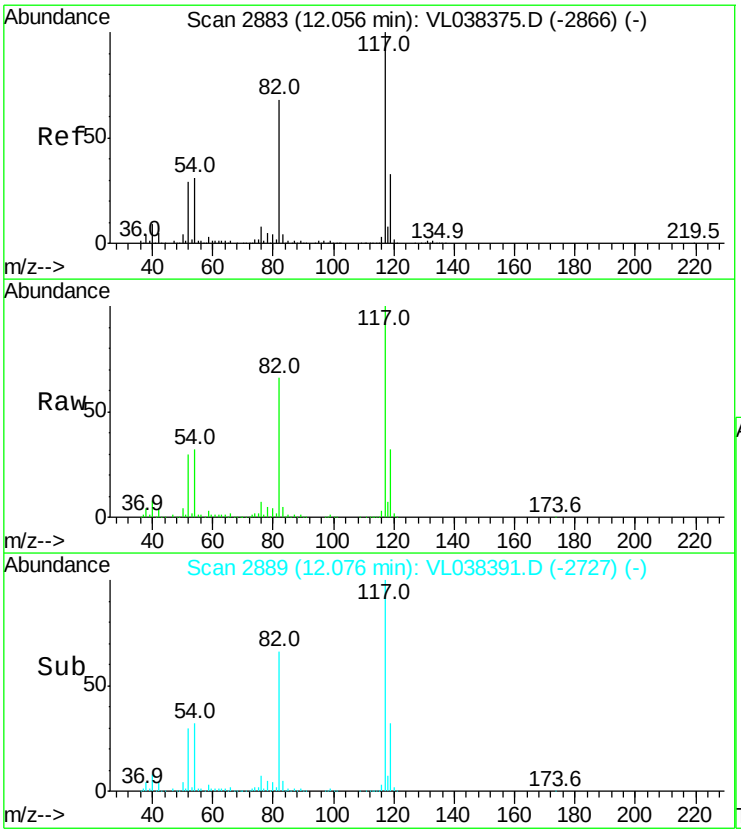
#53
Toluene
Concen: 1.25 ppbv
RT: 9.80
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 91 Resp: 228547

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.4

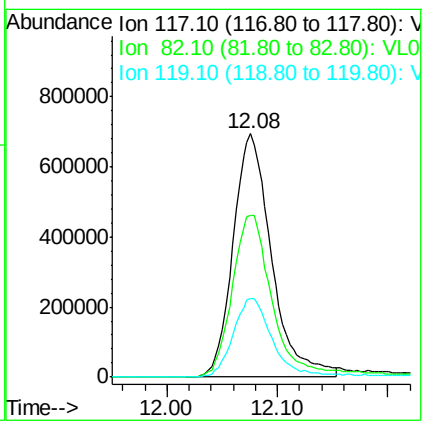


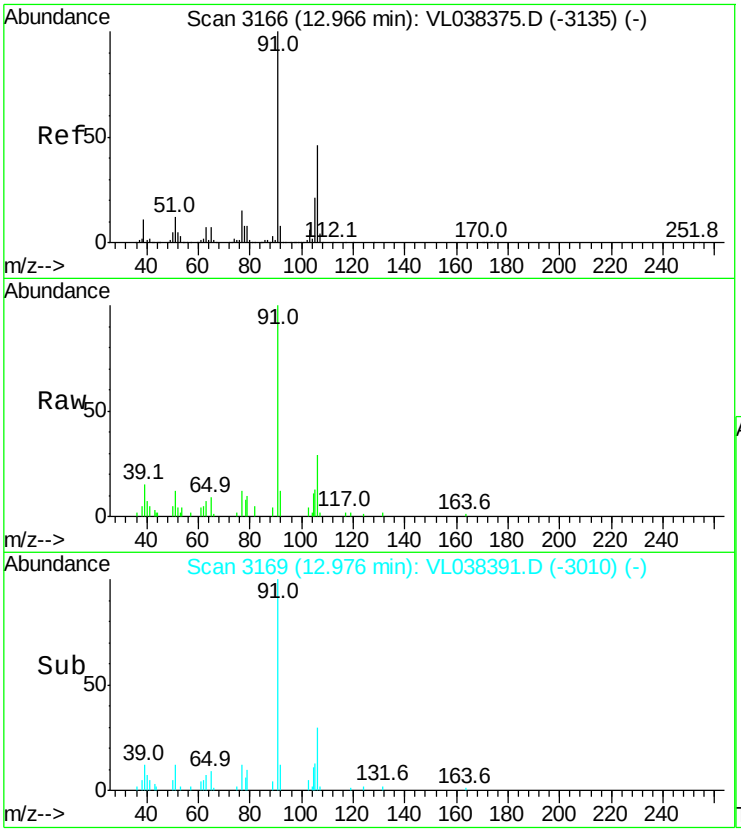


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion:117 Resp: 1678556

Ion	Ratio	Lower	Upper
117	100		
82	73.9	54.9	82.3
119	35.1	46.1	69.1#



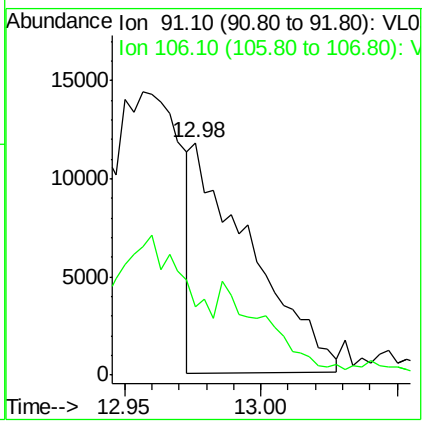


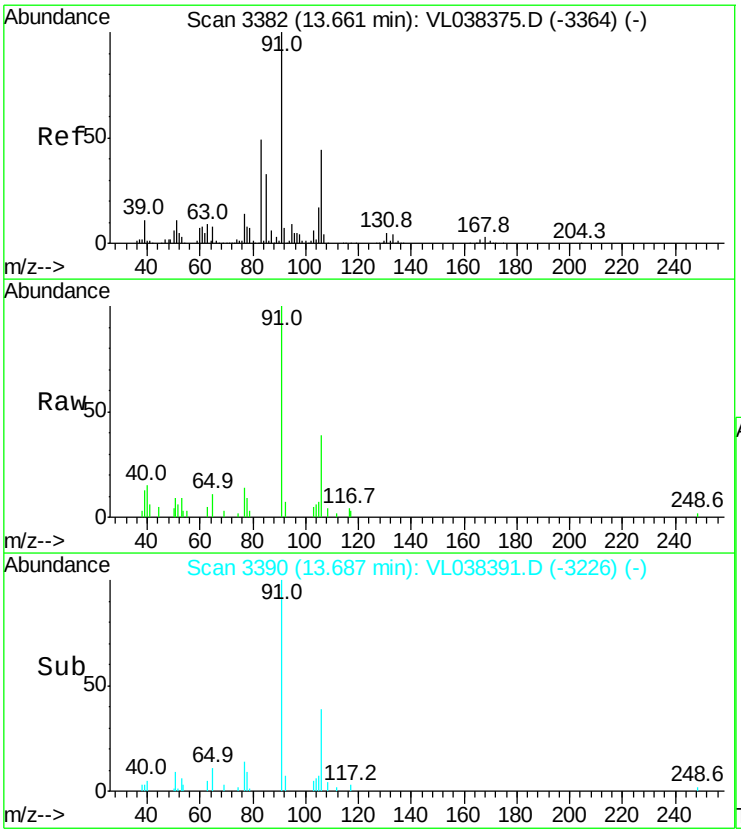
#59
m/p-Xylene
Concen: 0.09 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 91 Resp: 17512

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#

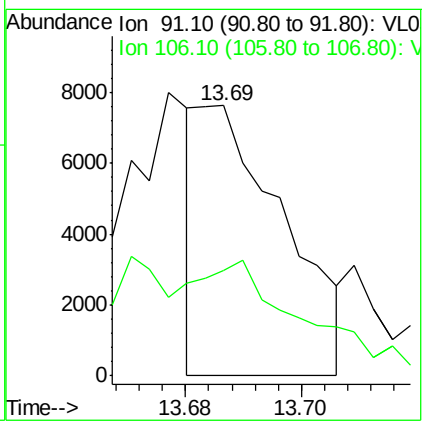


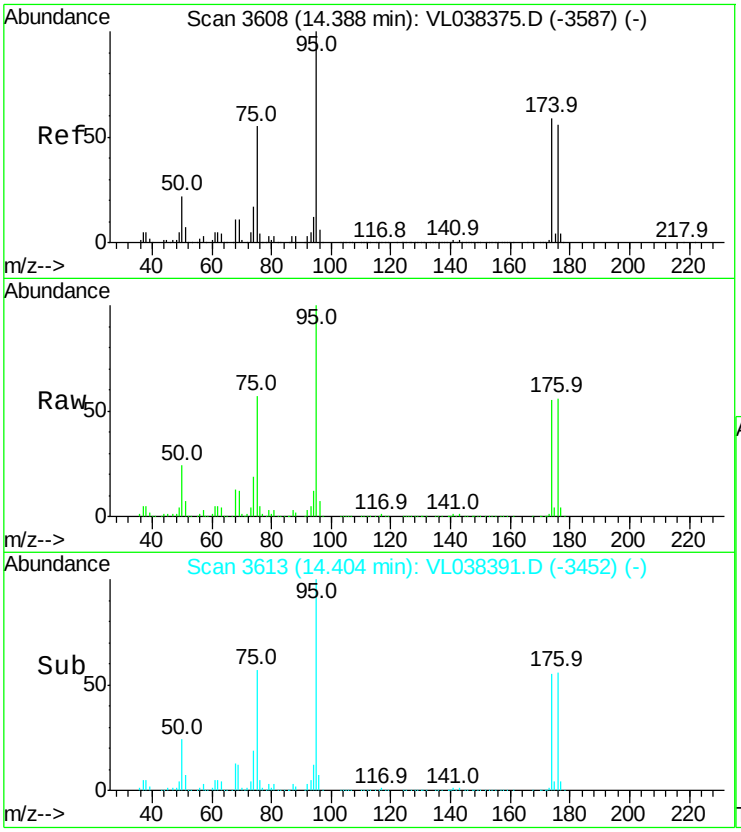


#60
o-Xylene
Concen: 0.04 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.03 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion: 91 Resp: 7810

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#



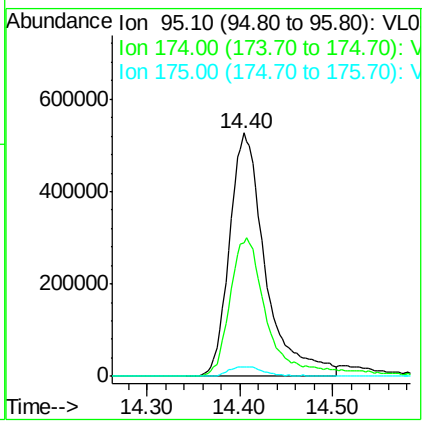


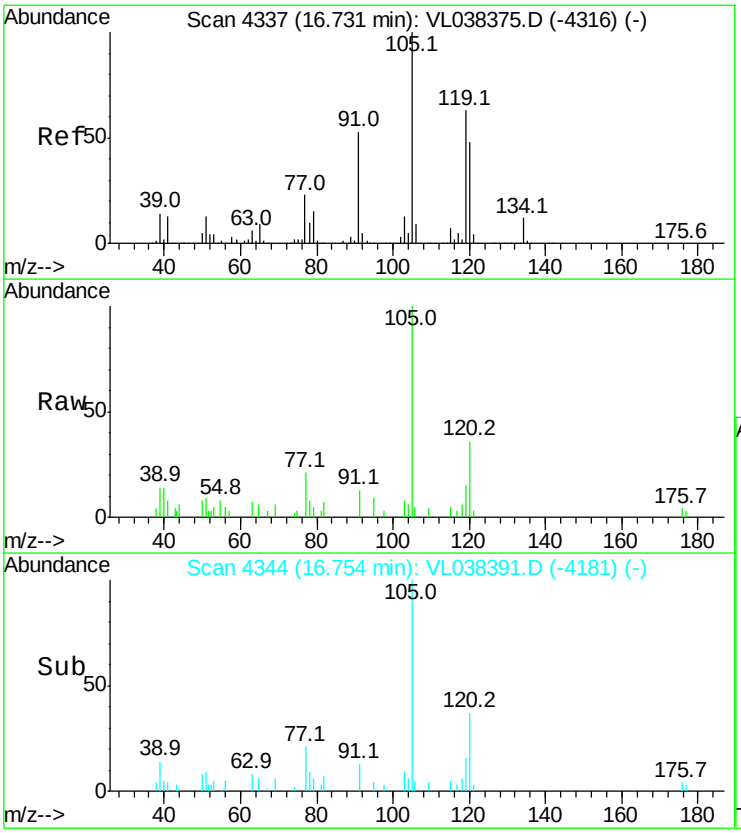
#68
1-Bromo-4-Fluorobenzene
Concen: 10.22 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 95 Resp: 1419676

Ion	Ratio	Lower	Upper
95	100		
174	61.2	49.0	73.4
175	4.0	3.6	5.4





#74
1,2,4-Trimethylbenzene
Concen: 0.06 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.02 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion:105 Resp: 10942

Ion	Ratio	Lower	Upper
105	100		
120	29.1	38.2	57.4#
91	18.2	42.7	64.1#
77	22.7	18.5	27.7