Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081722\
Data File : VL039554.D
Acq On : 17 Aug 2022 18:57
Operator : SY/AP
Sample : N4125-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Aug 18 05:37:37 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 12:06:24 2022
QLast Update : Wed Aug 17 12:06:24 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.21	49	1009966	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	6.66	114	2641812	10.00	ppbv		0.00
55) Chlorobenzene-d5	11.47	117	2348378	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.78	95	1809004	10.23	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.70	51	73908	0.611	ppbv	#	84
4) Chloromethane	2.84	50	34834	0.481	ppbv	#	75
7) Chloroethane	3.22	64	776	0.035	ppbv	#	43
9) Propene	2.73	41	42022	0.762	ppbv	#	74
10) Heptane	7.59	43	9891	0.077	ppbv	#	56
11) Trichlorofluoromethane	3.58	101	30321	0.203	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.08	101	4265	0.039	ppbv	#	21
13) Ethanol	3.26	45	150615	37.952	ppbv		86
15) Acetone	3.49	43	705399	6.182	ppbv		100
16) 1,3-Butadiene	2.99	39	3479	0.059	ppbv	#	11
19) Isopropyl Alcohol	3.61	45	64508	1.157	ppbv	#	100
20) Methylene Chloride	3.95	84	573964	12.354	ppbv		95
23) Vinyl Acetate	4.63	43	66263	1.155	ppbv	#	68
25) Ethyl Acetate	5.23	43	295146	1.213	ppbv	#	80
26) Hexane	5.23	57	370631	3.715	ppbv	#	41
34) 2-Butanone	4.81	43	35827	0.270	ppbv	#	54
35) Carbon Tetrachloride	6.50	117	5779	0.039	ppbv	#	63
36) Benzene	6.38	78	12468	0.062	ppbv		97
39) 1,2-Dichloropropane	6.67	63	646106	8.562	ppbv	#	24
41) Tetrahydrofuran	5.83	42	2898	0.037	ppbv	#	40
44) 2,2,4-Trimethylpentane	7.34	57	29024	0.086	ppbv	#	29
53) Toluene	9.23	91	97164	0.431	ppbv		98
59) m/p-Xylene	12.37	91	11753	0.048	ppbv	#	100
60) o-Xylene	13.07	91	7976	0.034	ppbv	#	31

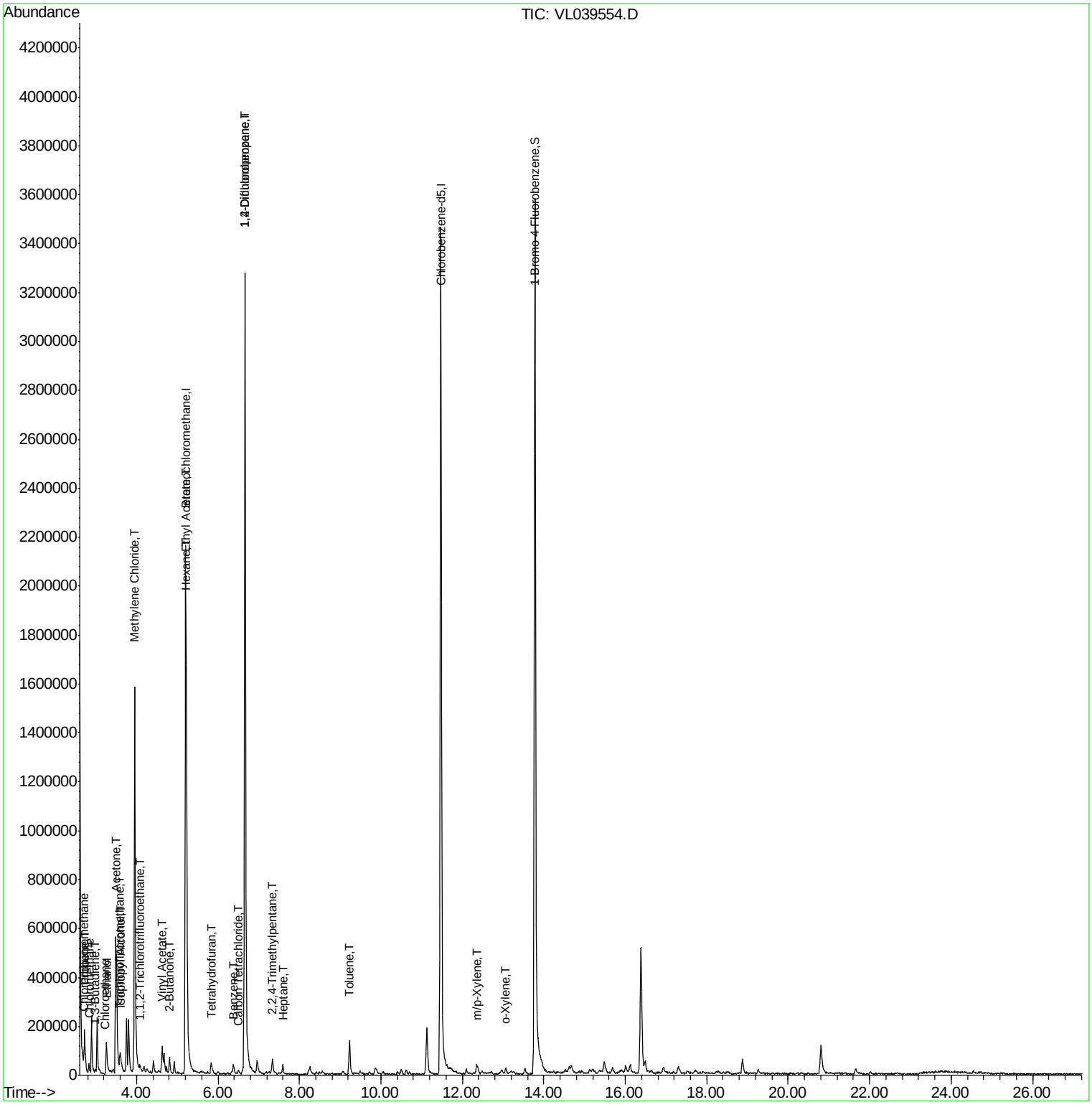
(#) = qualifier out of range (m) = manual integration (+) = signals summed

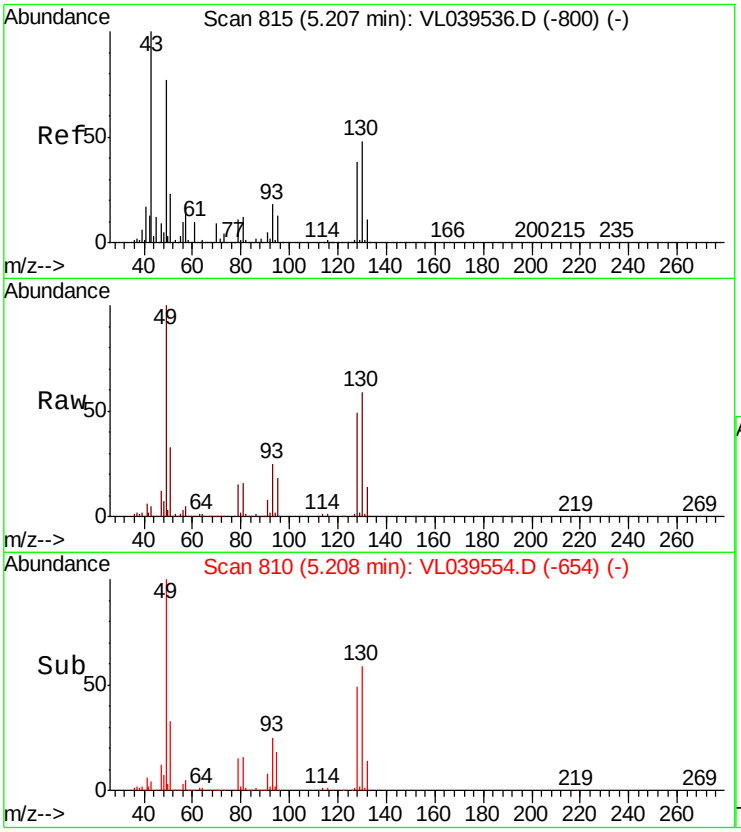
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081722\
Data File : VL039554.D
Acq On : 17 Aug 2022 18:57
Operator : SY/AP
Sample : N4125-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Aug 18 05:37:37 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 12:06:24 2022
QLast Update : Wed Aug 17 12:06:24 2022
Response via : Initial Calibration



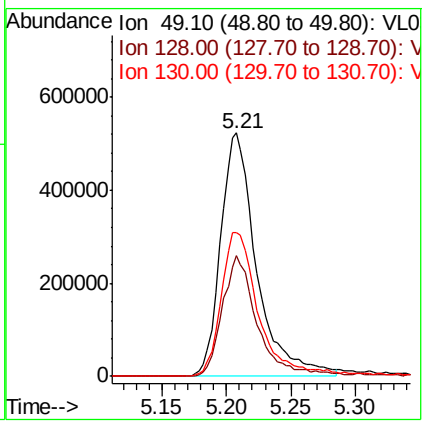


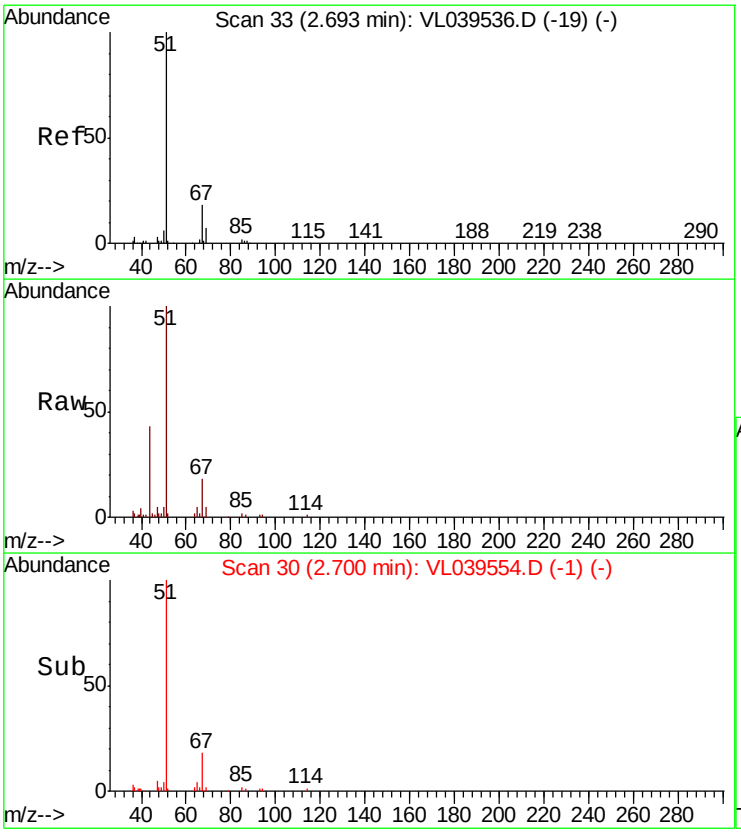
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.21
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1009966

Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.7	77.0
130	62.4	31.6	95.0

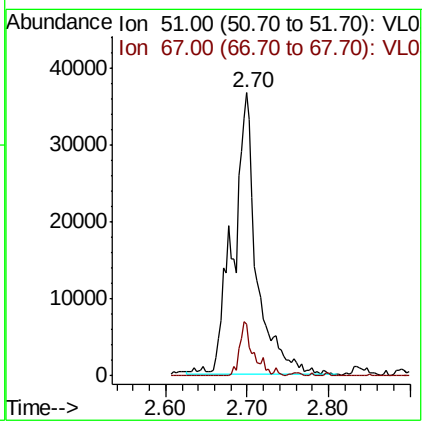


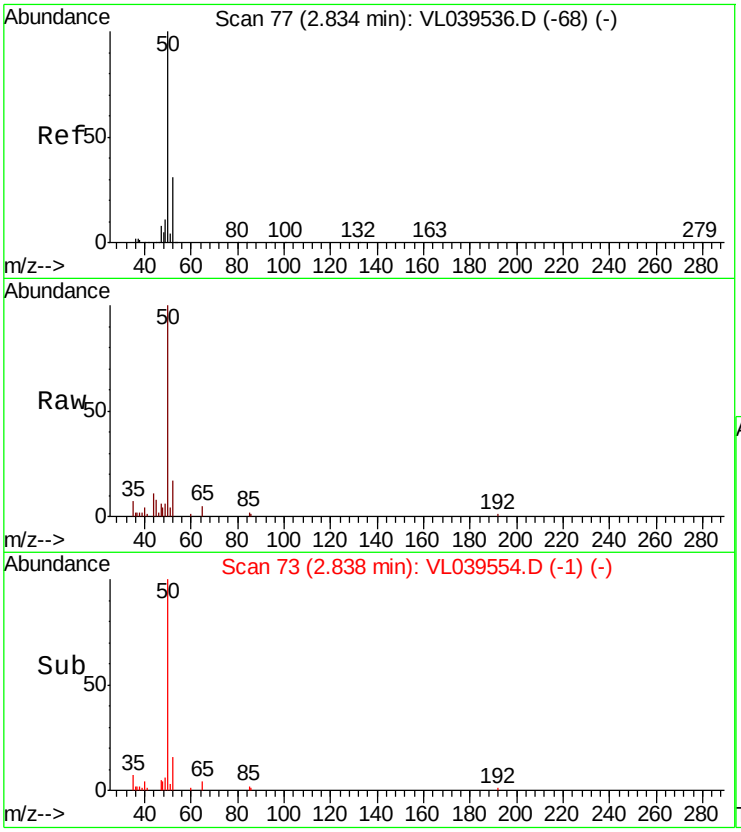


#3
Chlorodifluoromethane
Concen: 0.611 ppbv
RT: 2.70 min Scan# 30
Delta R.T. 0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 51 Resp: 73908

Ion	Ratio	Lower	Upper
51	100		
67	11.4	14.7	22.1#



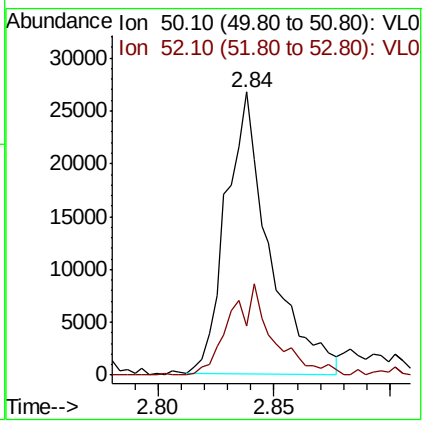


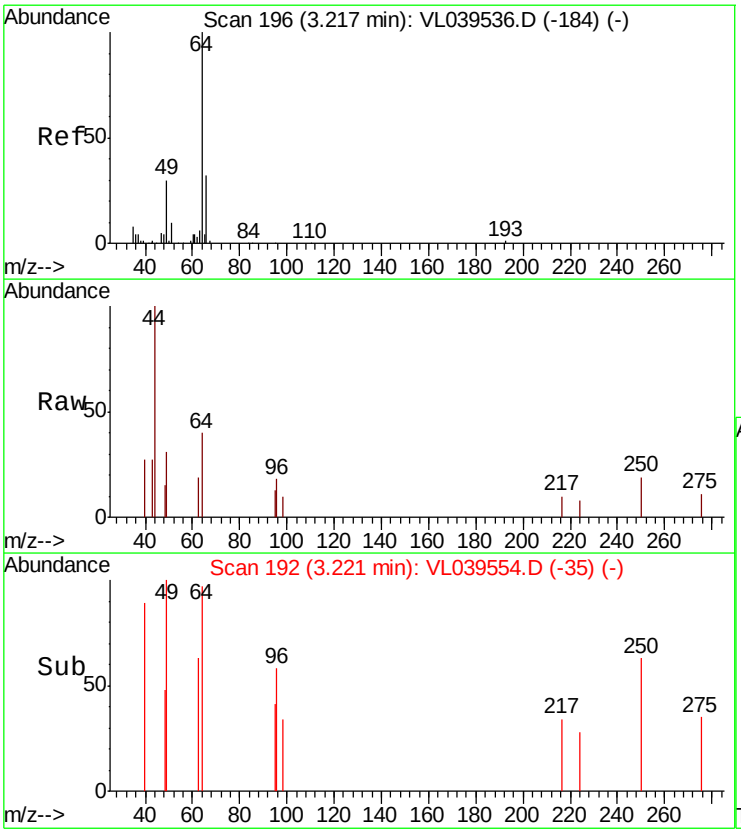
#4
Chloromethane
Concen: 0.481 ppbv
RT: 2.84
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 50 Resp: 34834

Ion	Ratio	Lower	Upper
50	100		
52	16.8	24.3	36.5#

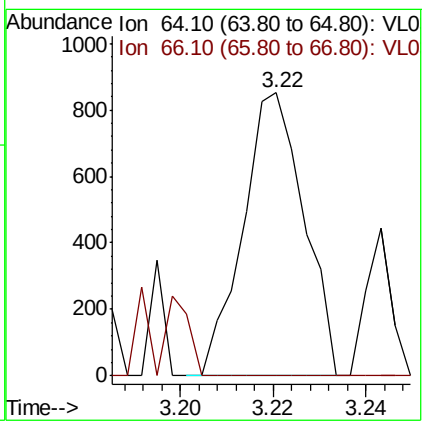


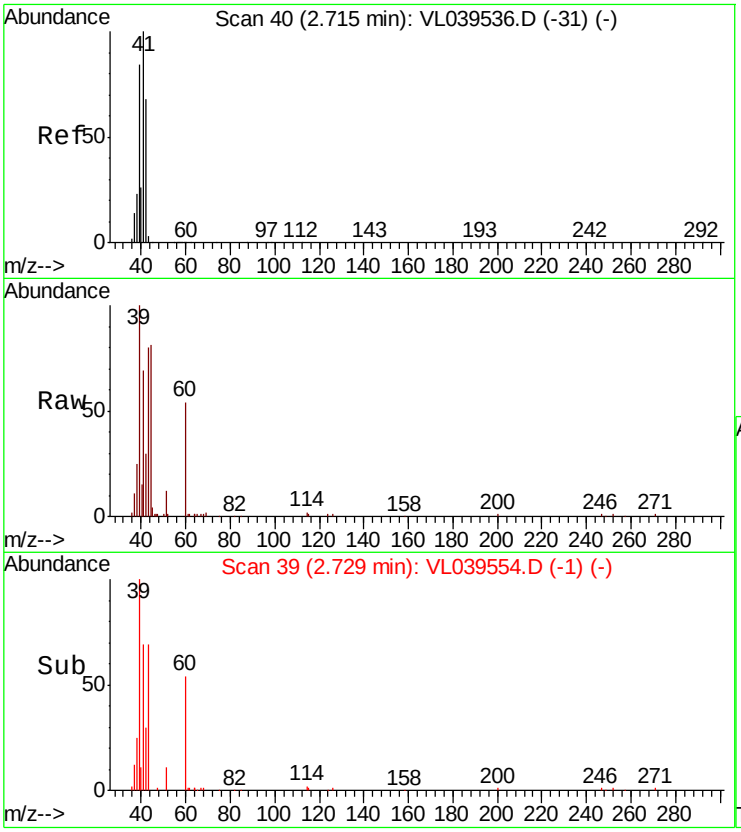


#7
Chloroethane
Concen: 0.035 ppbv
RT: 3.22 min Scan# 192
Delta R.T. 0.00 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 64 Resp: 776

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.6	38.4#



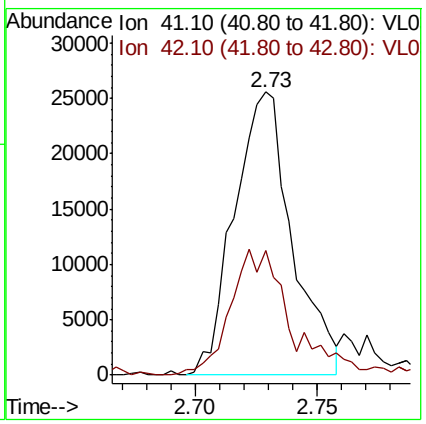


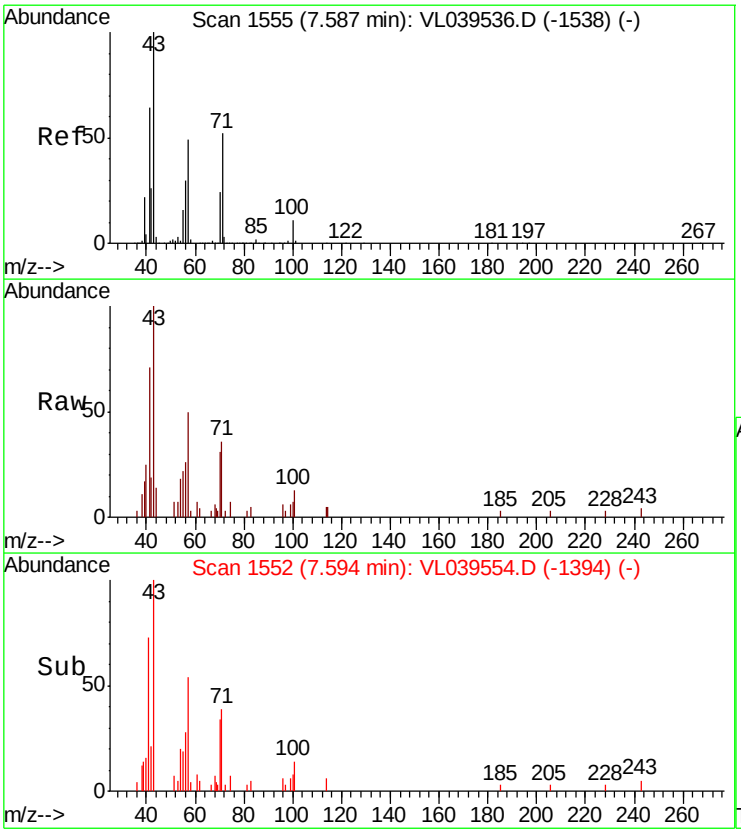
#9
Propene
Concen: 0.762 ppbv
RT: 2.73
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 42022

Ion	Ratio	Lower	Upper
41	100		
42	48.2	55.4	83.0#

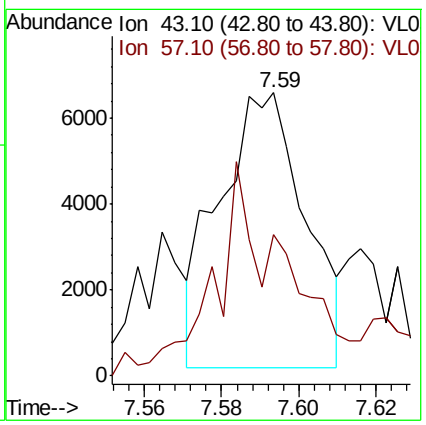


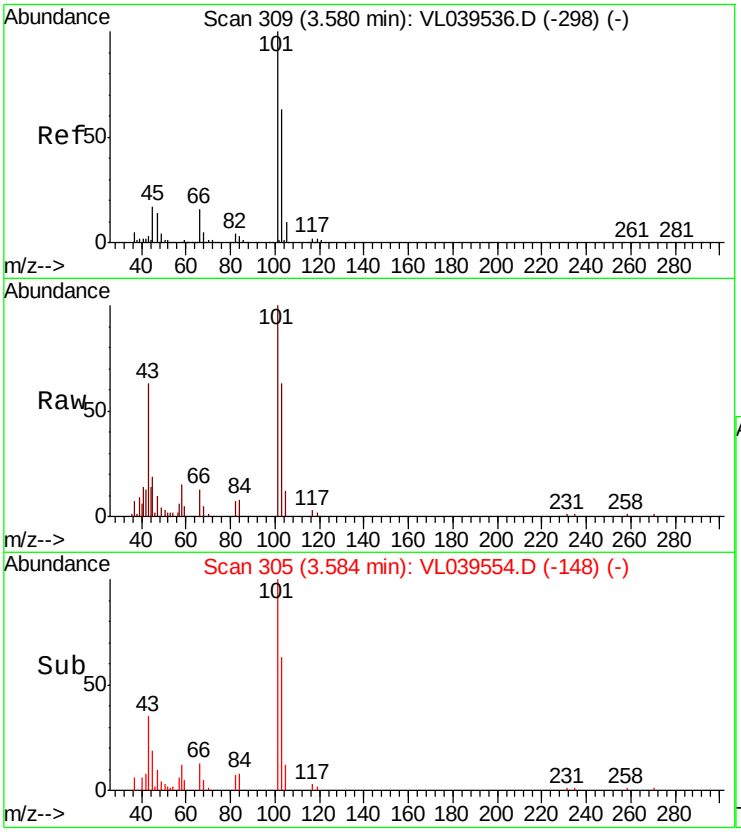


#10
Heptane
Concen: 0.077 ppbv
RT: 7.59 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 43 Resp: 9891

Ion	Ratio	Lower	Upper
43	100		
57	79.7	39.8	59.6#



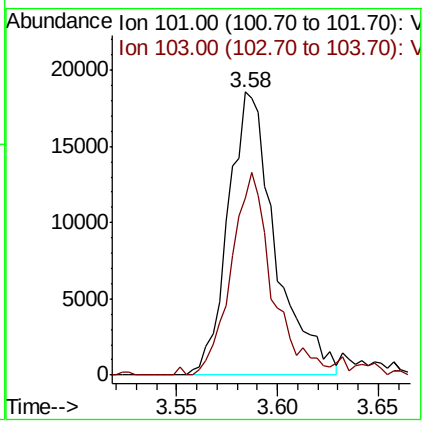


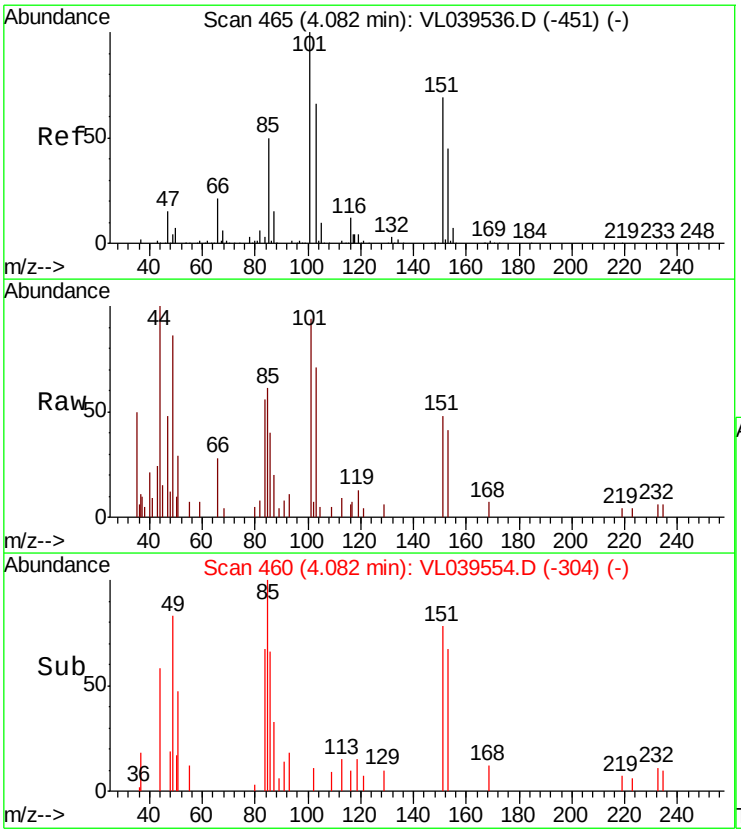
#11
Trichlorofluoromethane
Concen: 0.203 ppbv
RT: 3.58
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 30321

Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.6	76.0

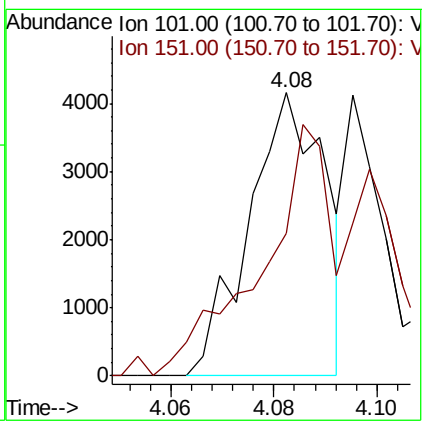


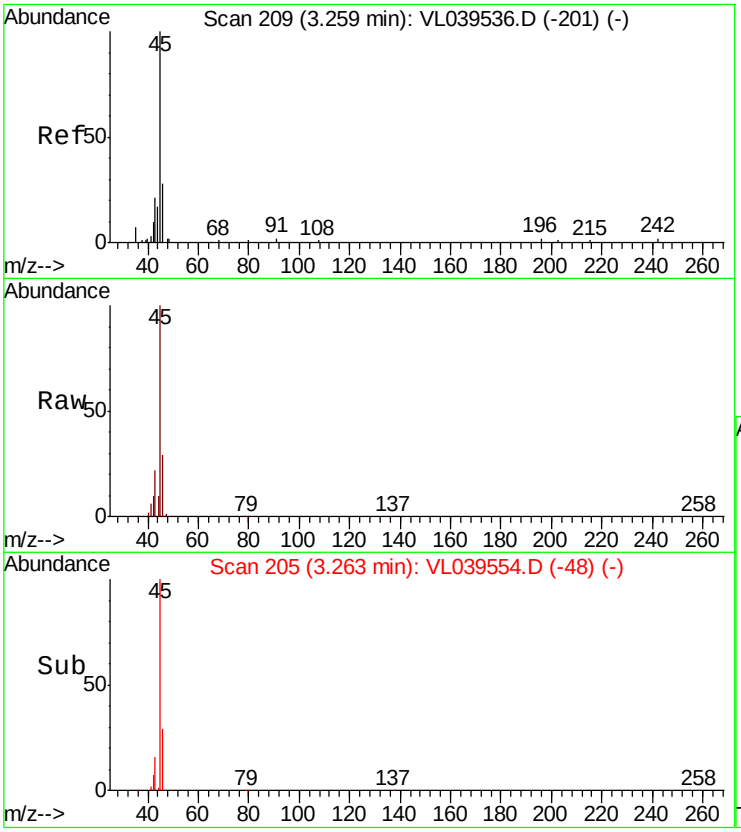


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.039 ppbv
RT: 4.08 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion:101 Resp: 4265

Ion	Ratio	Lower	Upper
101	100		
151	139.5	58.6	87.8#



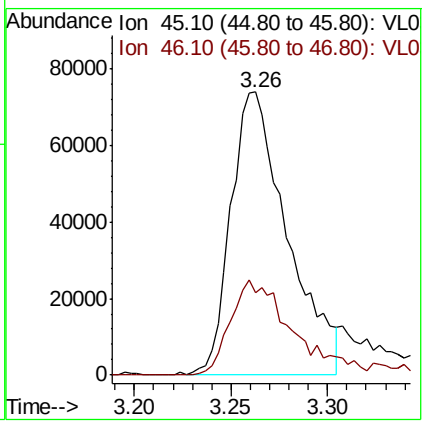


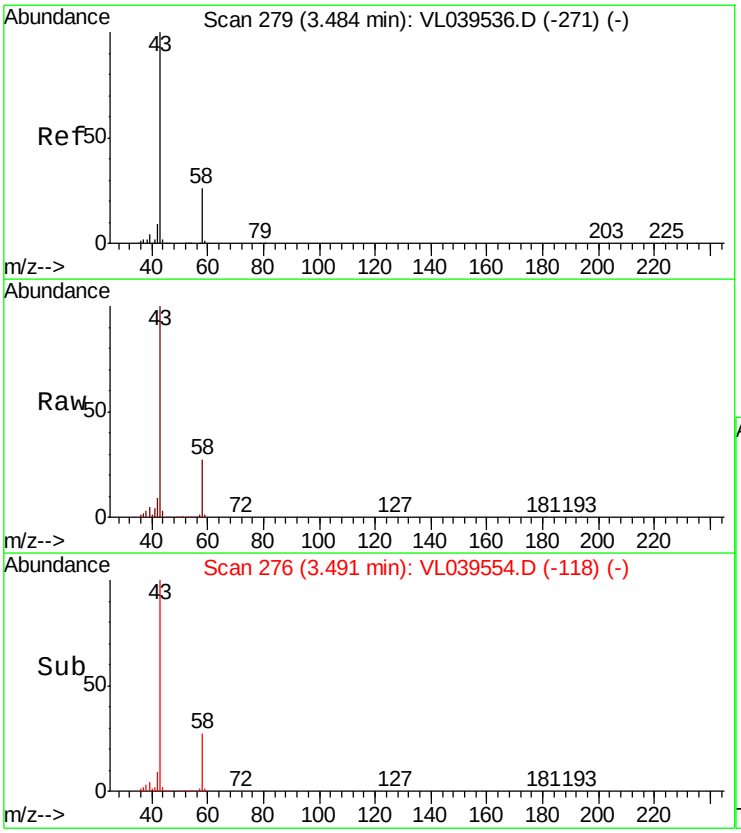
#13
Ethanol
Concen: 37.952 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 150615

Ion	Ratio	Lower	Upper
45	100		
46	38.7	19.3	77.1

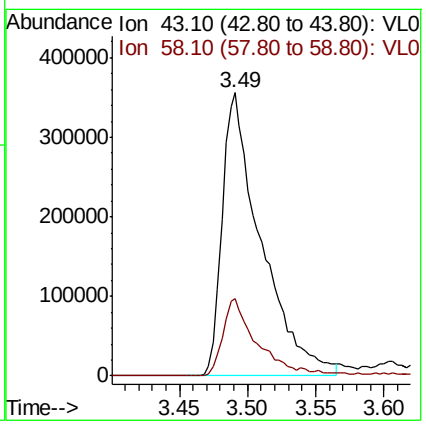


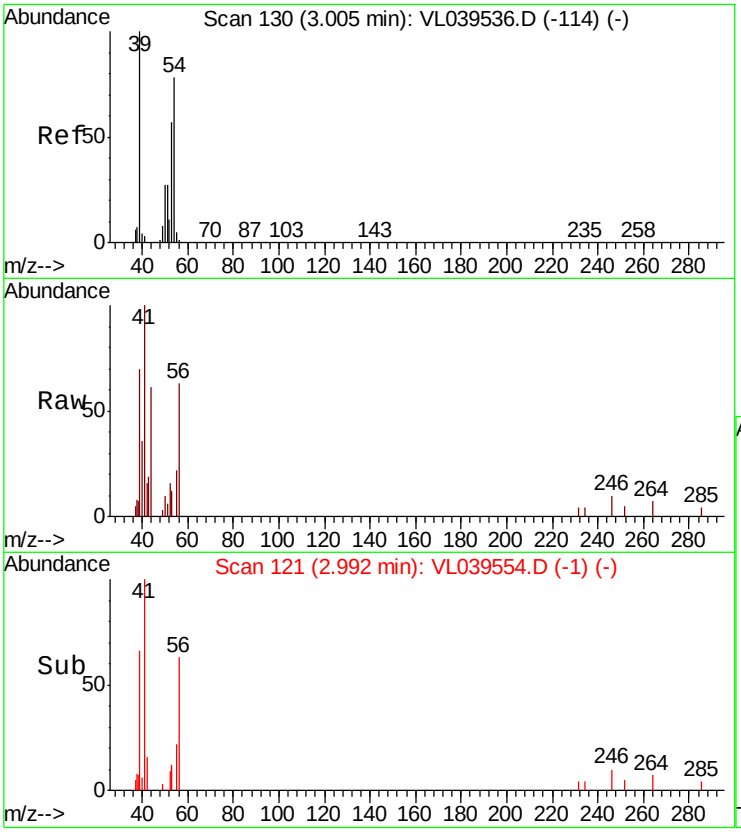


#15
Acetone
Concen: 6.182 ppbv
RT: 3.49 min Scan# 276
Delta R.T. 0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 43 Resp: 705399

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.7	31.1



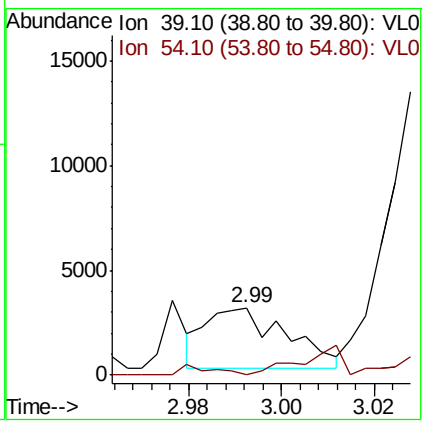


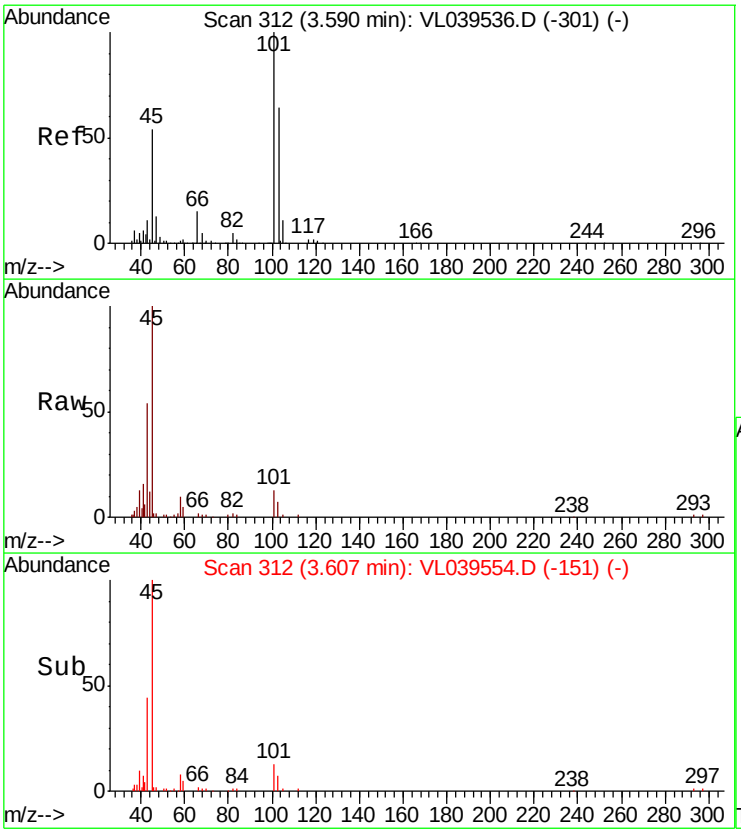
#16
1,3-Butadiene
Concen: 0.059 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 39 Resp: 3479

Ion	Ratio	Lower	Upper
39	100		
54	0.0	61.8	92.8#

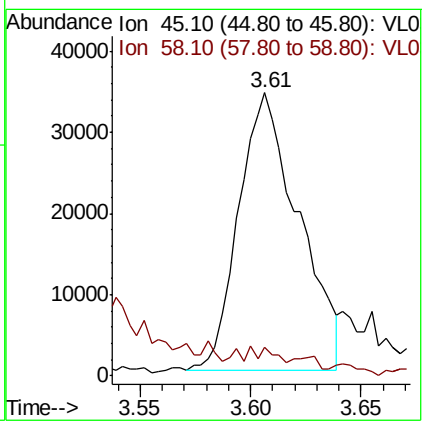


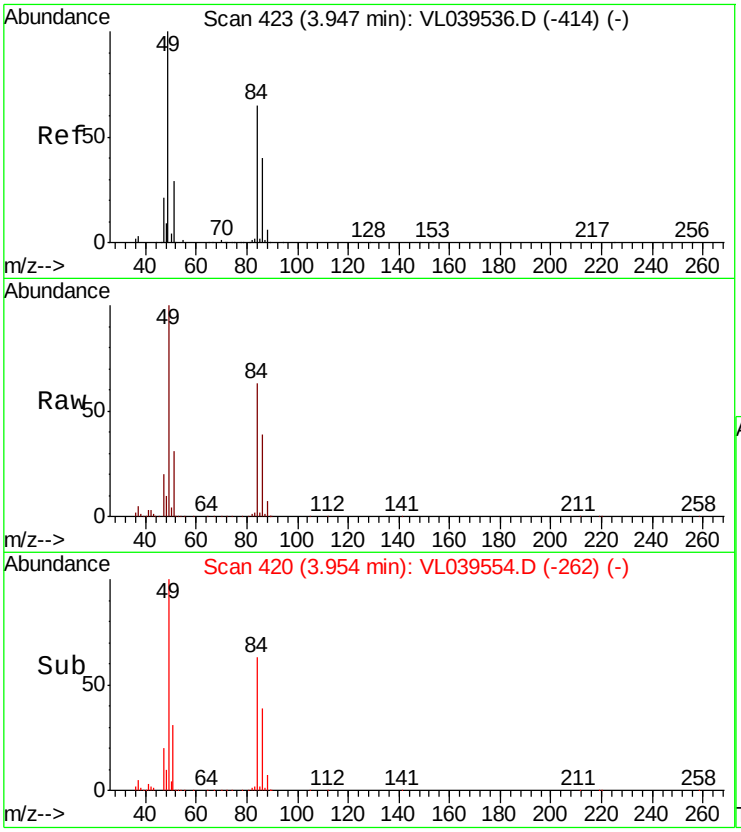


#19
Isopropyl Alcohol
Concen: 1.157 ppbv
RT: 3.61 min Scan# 312
Delta R.T. 0.02 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 45 Resp: 64508

Ion	Ratio	Lower	Upper
45	100		
58	284.1	0.0	0.0#



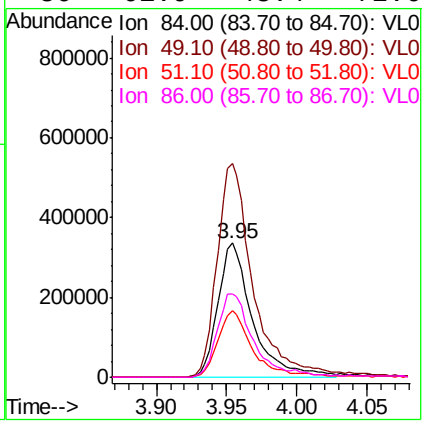


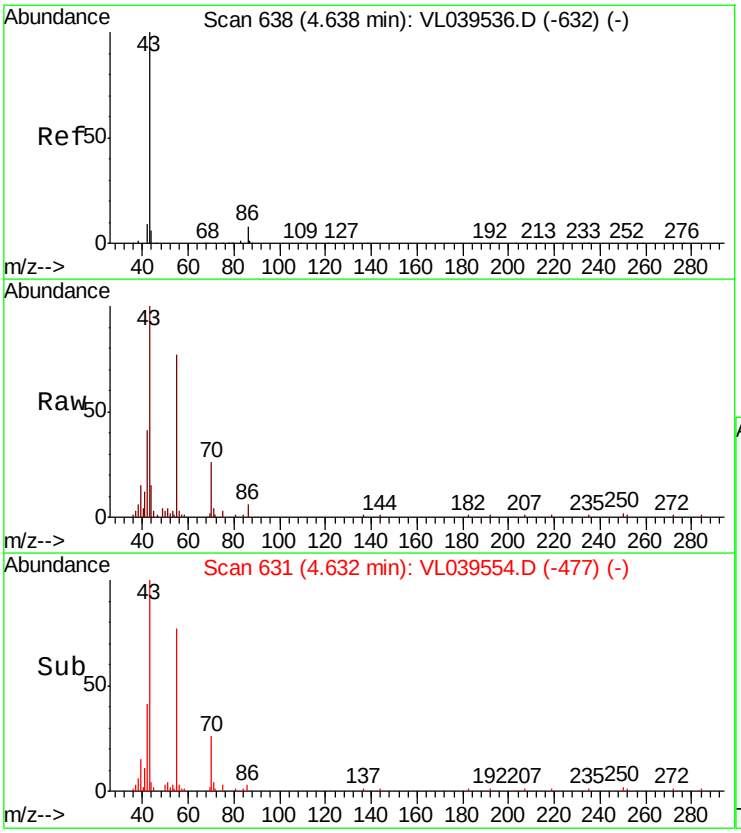
#20
Methylene Chloride
Concen: 12.354 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 84 Resp: 573964

Ion	Ratio	Lower	Upper
84	100		
49	159.5	122.2	183.4
51	49.7	35.8	53.6
86	61.9	48.4	72.6

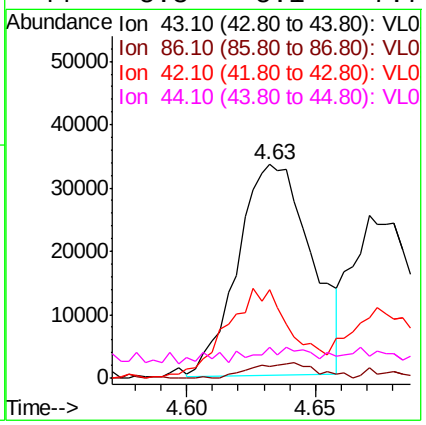


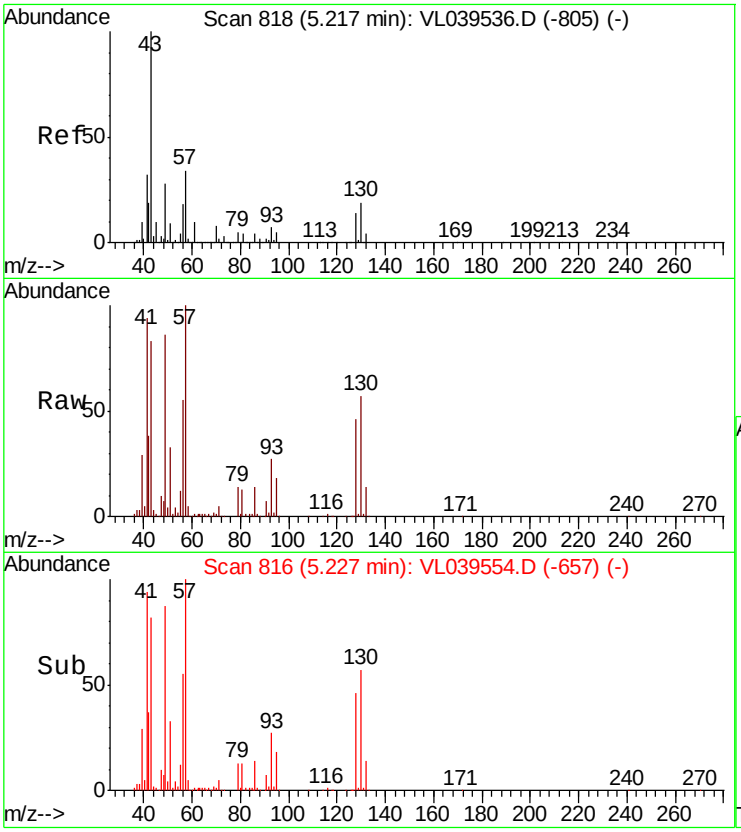


#23
Vinyl Acetate
Concen: 1.155 ppbv
RT: 4.63 min Scan# 631
Delta R.T. -0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 43 Resp: 66263

Ion	Ratio	Lower	Upper
43	100		
86	5.7	5.3	7.9
42	36.2	8.7	13.1#
44	5.3	5.1	7.7



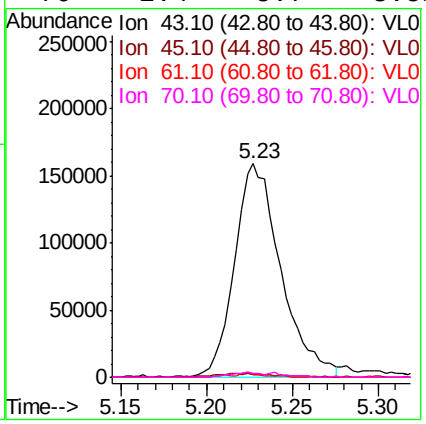


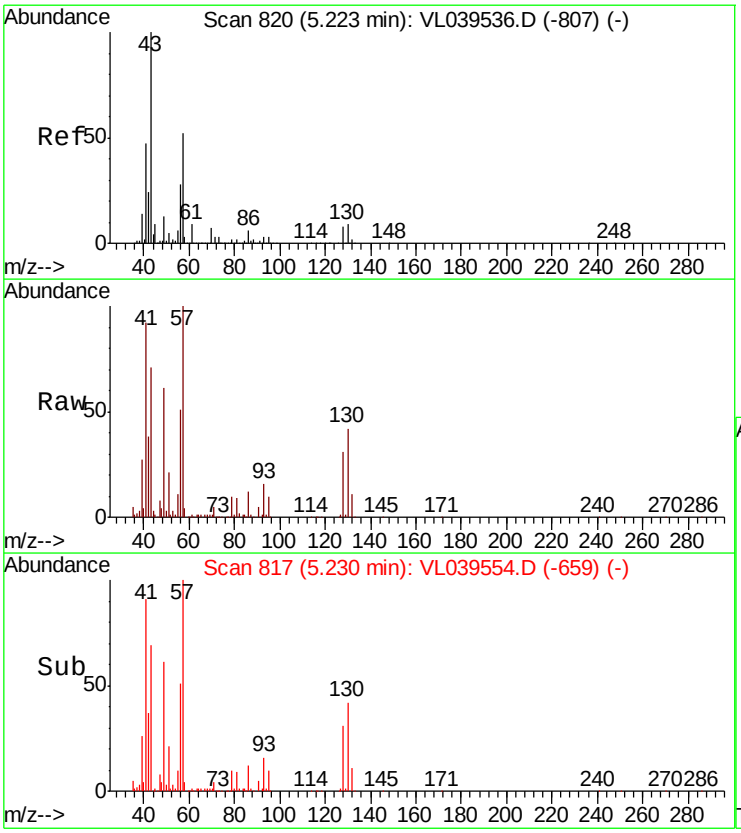
#25
Ethyl Acetate
Concen: 1.213 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 295146

Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.2	12.4#
61	1.5	8.6	12.8#
70	2.4	5.7	8.5#

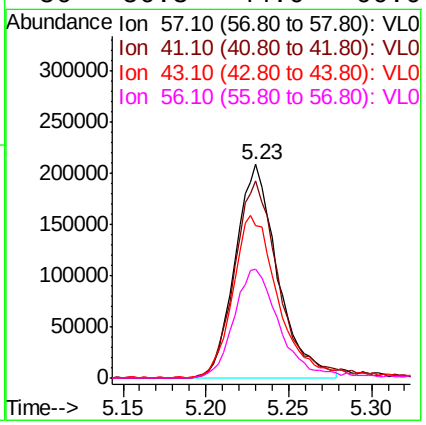


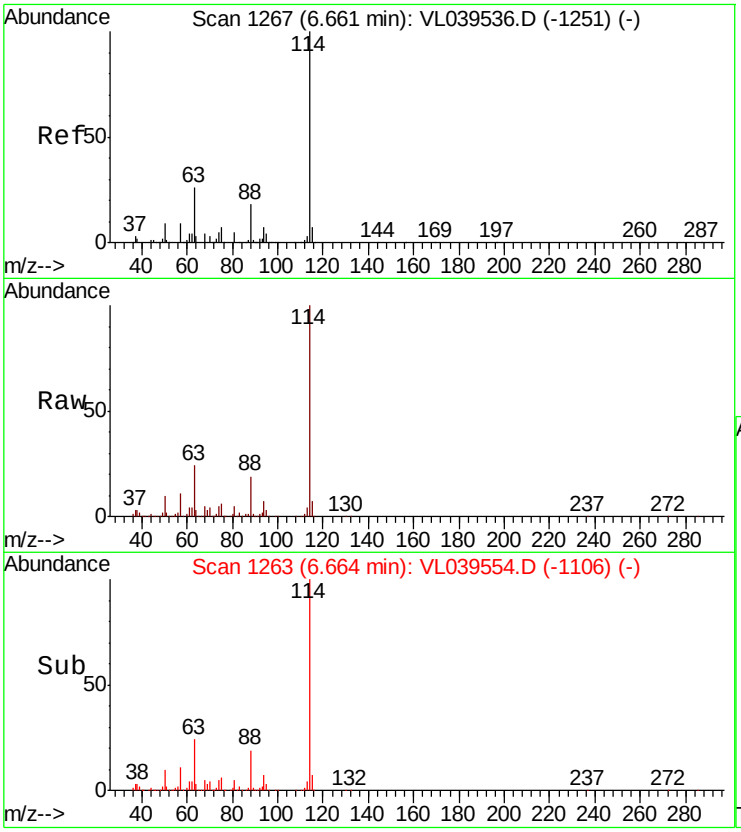


#26
Hexane
Concen: 3.715 ppbv
RT: 5.23 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 57 Resp: 370631

Ion	Ratio	Lower	Upper
57	100		
41	99.9	79.4	119.2
43	83.5	199.7	299.5#
56	56.3	44.0	66.0



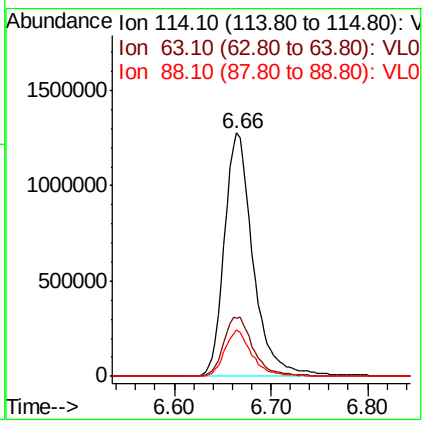


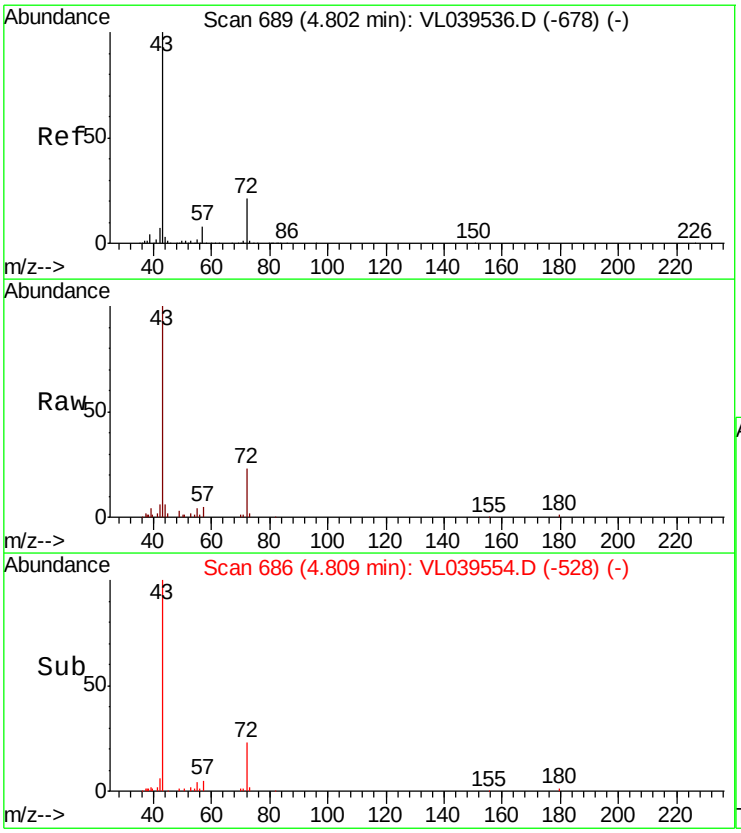
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.66
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:114 Resp: 2641812

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.6	31.0
88	18.4	14.6	22.0

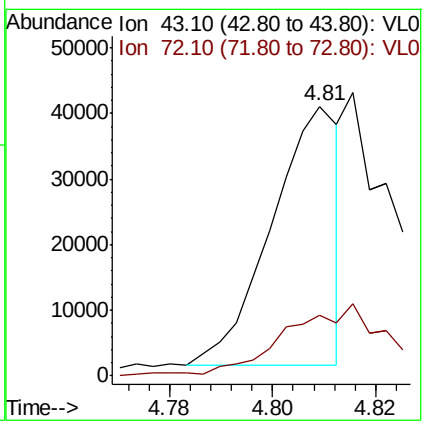


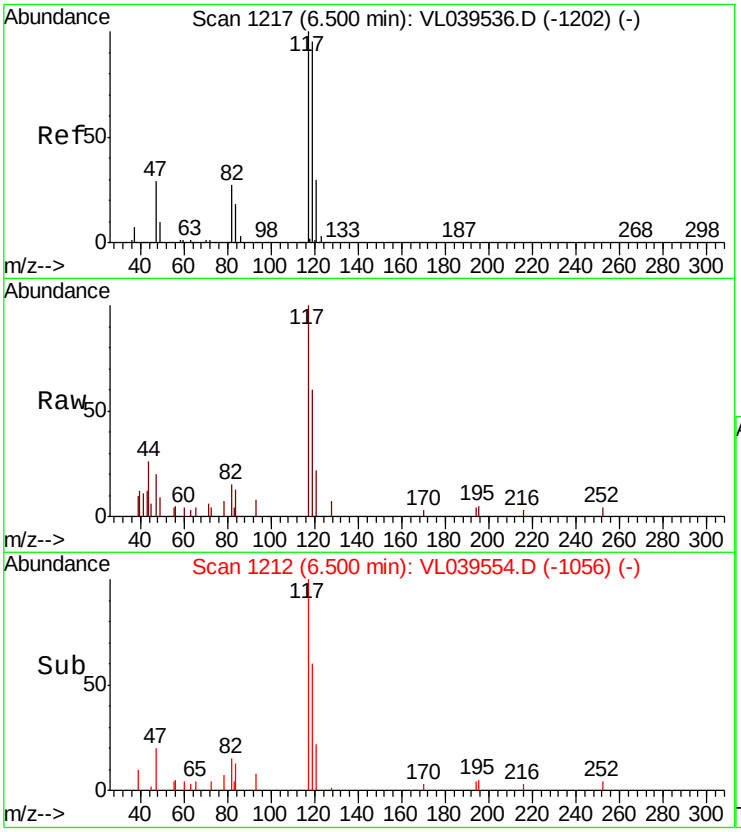


#34
2-Butanone
Concen: 0.270 ppbv
RT: 4.81 min Scan# 686
Delta R.T. 0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 43 Resp: 35827

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.4	26.0#



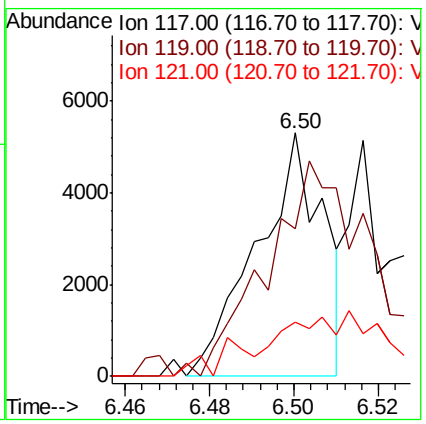


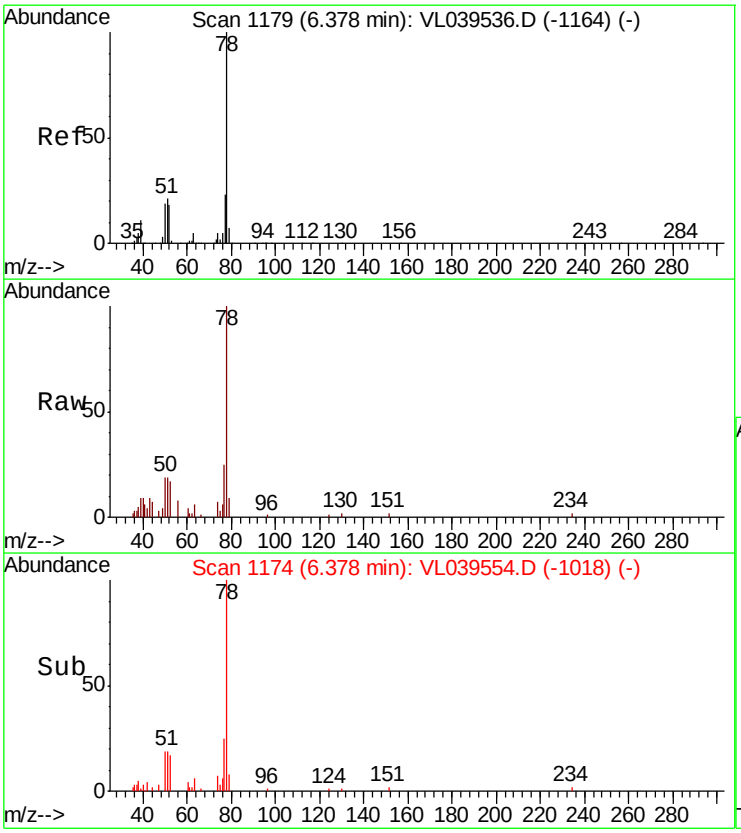
#35
Carbon Tetrachloride
Concen: 0.039 ppbv
RT: 6.50
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 5779

Ion	Ratio	Lower	Upper
117	100		
119	55.2	76.2	114.4#
121	17.9	24.4	36.6#

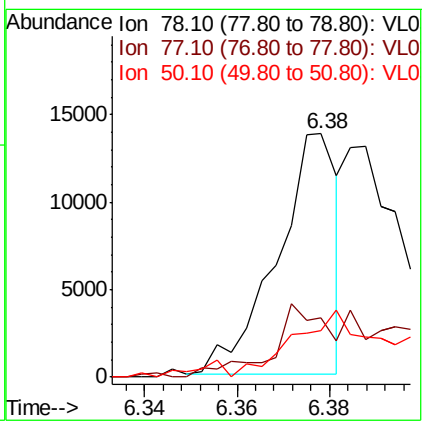


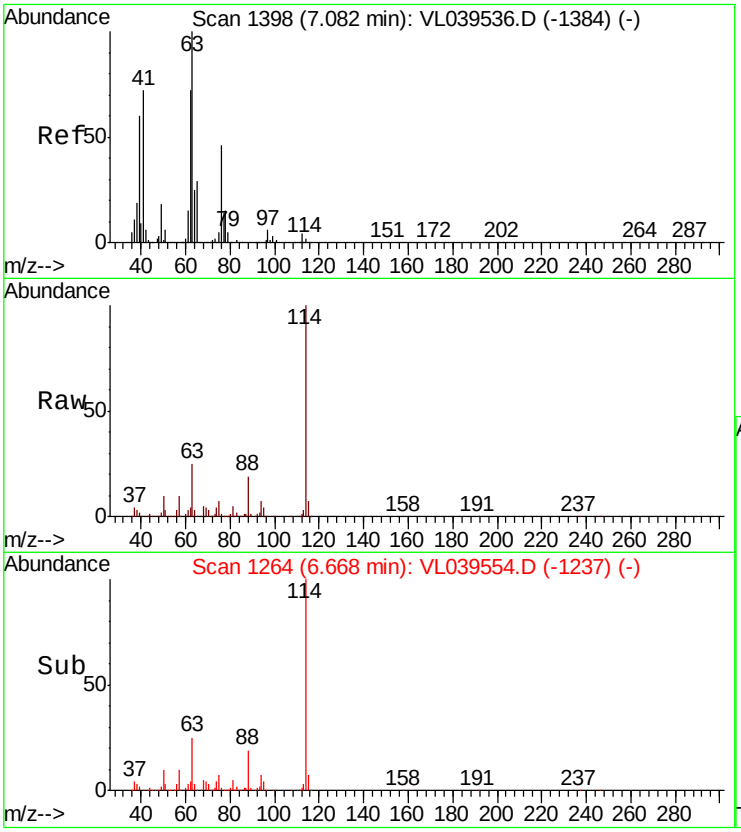


#36
Benzene
Concen: 0.062 ppbv
RT: 6.38 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 78 Resp: 12468

Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.6	27.8
50	17.4	15.0	22.4



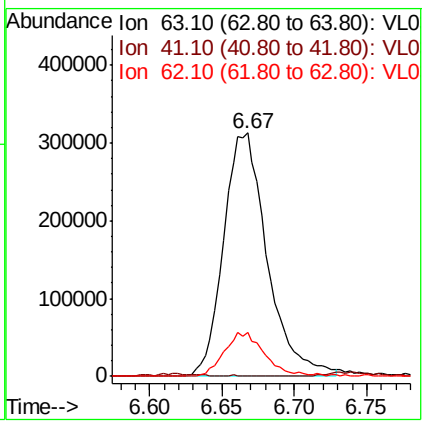


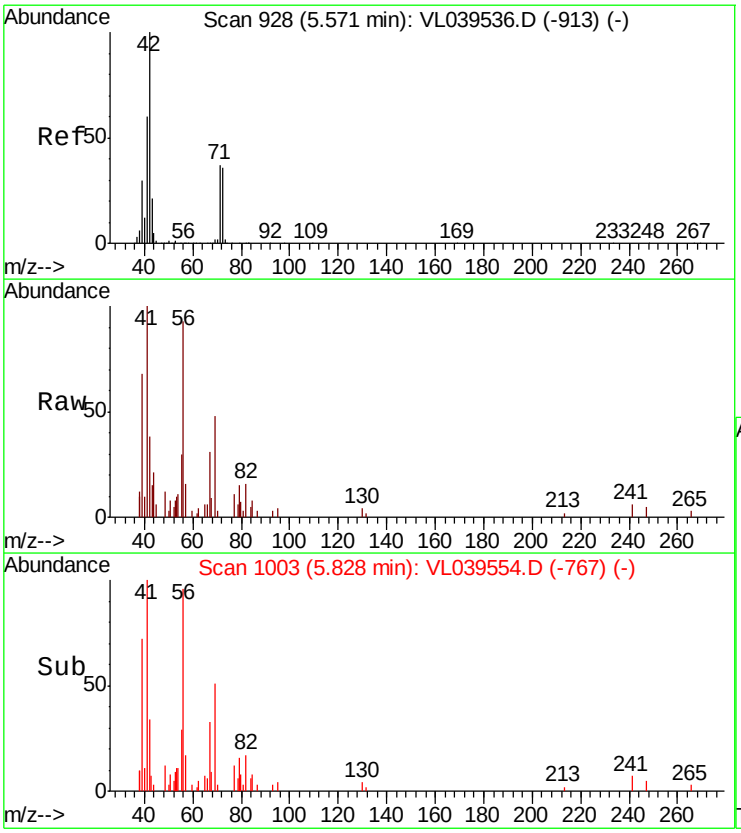
#39
1,2-Dichloropropane
Concen: 8.562 ppbv
RT: 6.67
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 63 Resp: 646106

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	17.6	57.8	86.8#

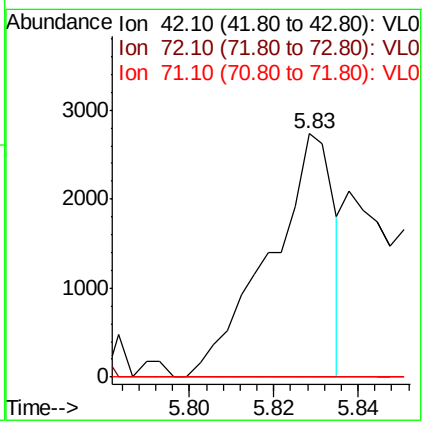


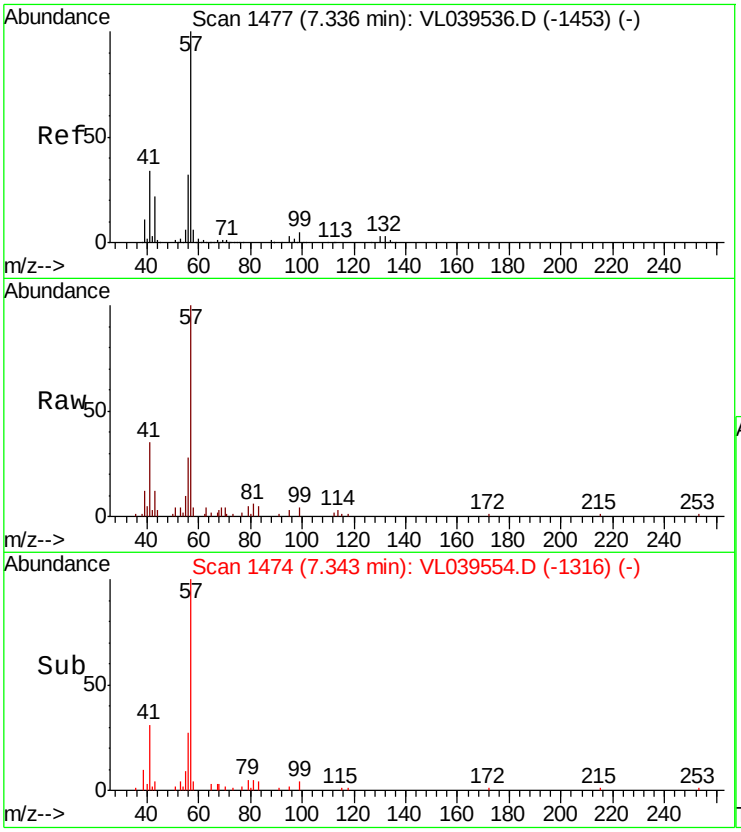


#41
Tetrahydrofuran
Concen: 0.037 ppbv
RT: 5.83 min Scan# 1003
Delta R.T. 0.26 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 42 Resp: 2898

Ion	Ratio	Lower	Upper
42	100		
72	4.0	30.6	45.8#
71	0.0	30.7	46.1#



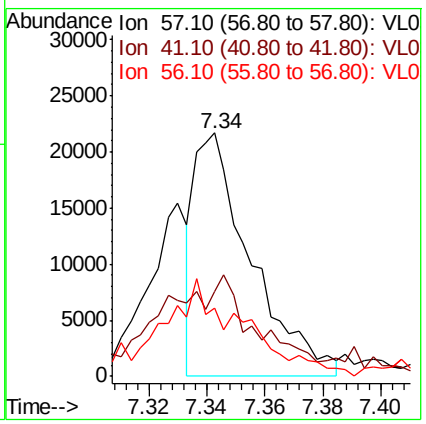


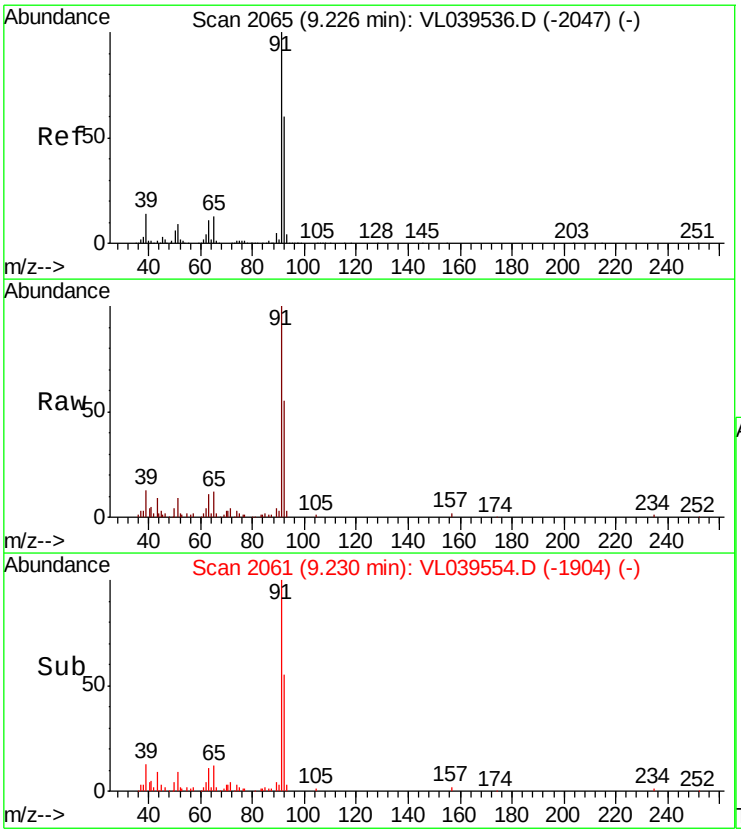
#44
2,2,4-Trimethylpentane
Concen: 0.086 ppbv
RT: 7.34
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 29024

Ion	Ratio	Lower	Upper
57	100		
41	86.4	27.8	41.6#
56	60.7	25.5	38.3#

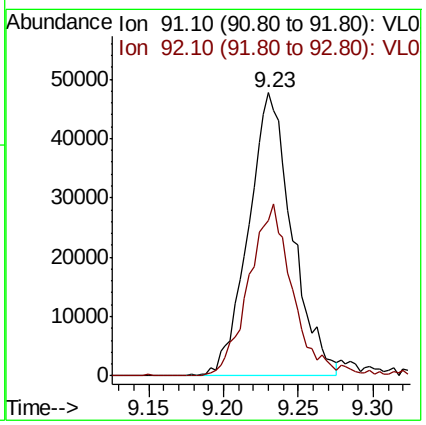


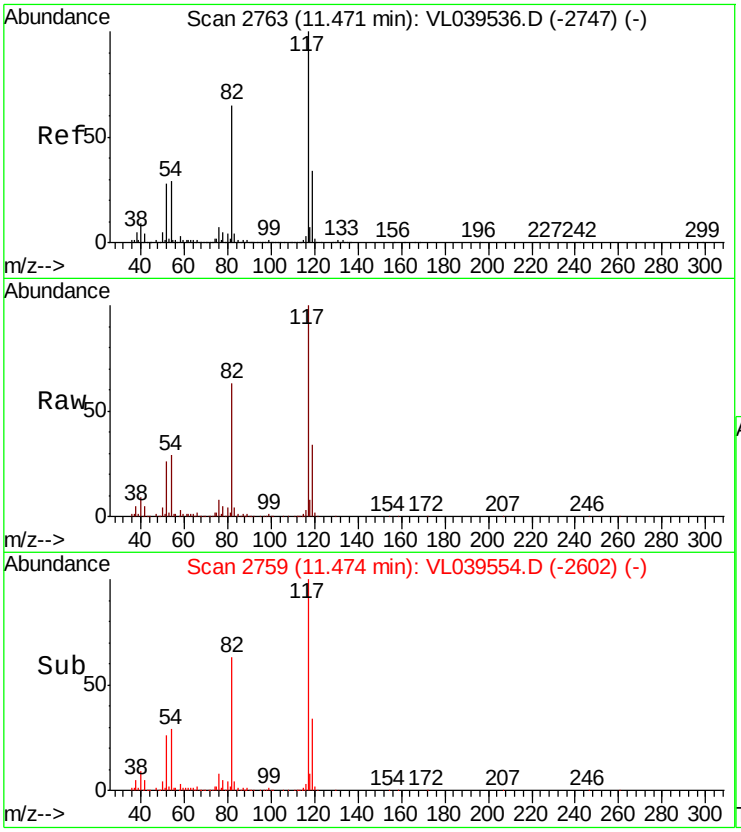


#53
Toluene
Concen: 0.431 ppbv
RT: 9.23 min Scan# 2061
Delta R.T. 0.00 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 91 Resp: 97164

Ion	Ratio	Lower	Upper
91	100		
92	61.3	47.9	71.9



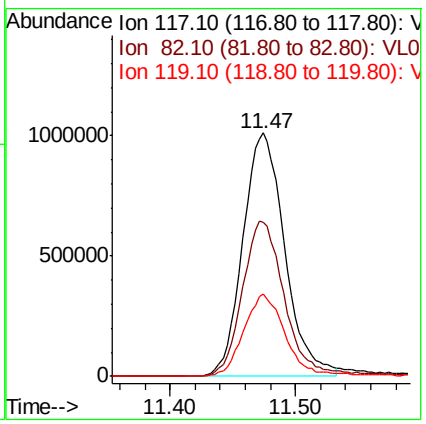


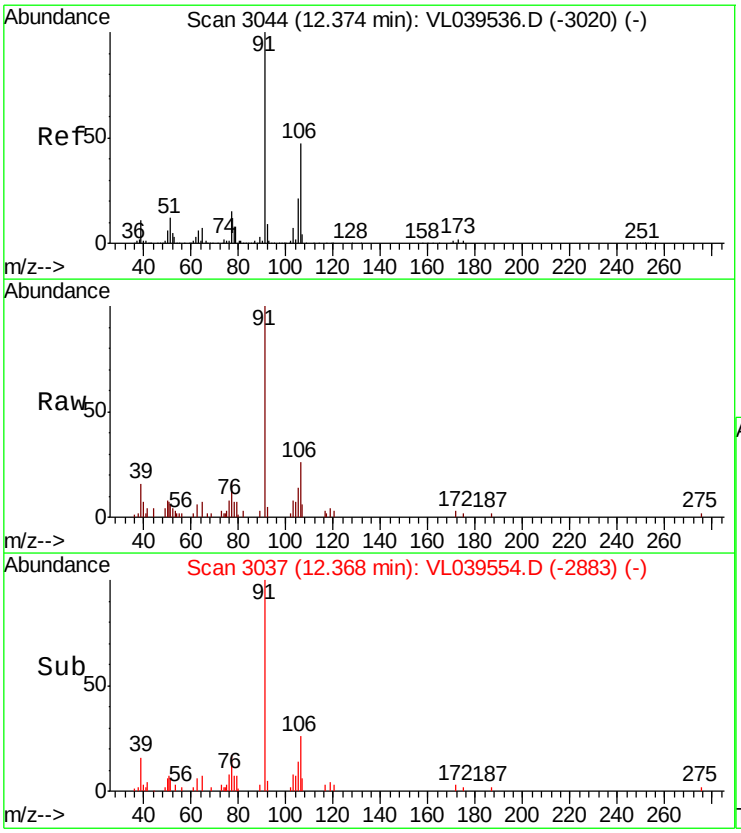
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 2348378

Ion	Ratio	Lower	Upper
117	100		
82	65.3	49.1	73.7
119	33.9	25.9	38.9

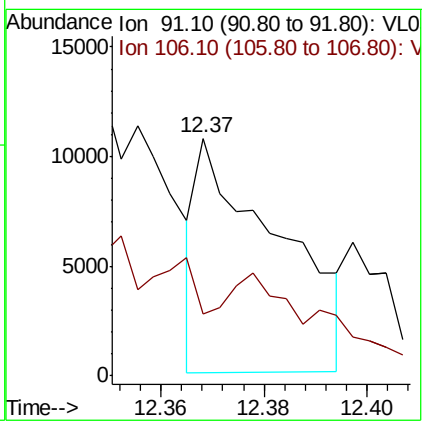


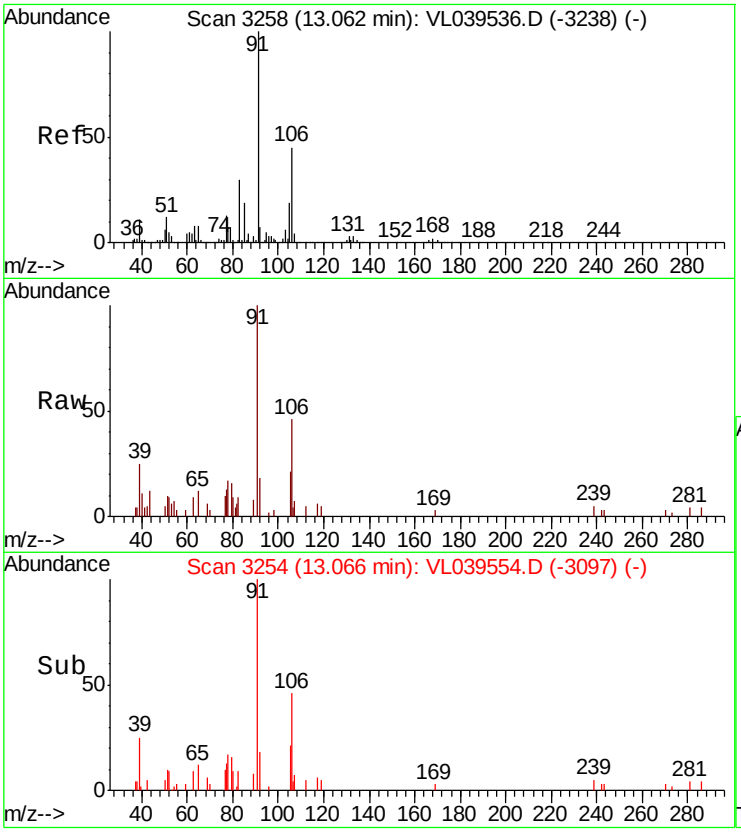


#59
m/p-Xylene
Concen: 0.048 ppbv
RT: 12.37 min Scan# 3037
Delta R.T. -0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 91 Resp: 11753

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



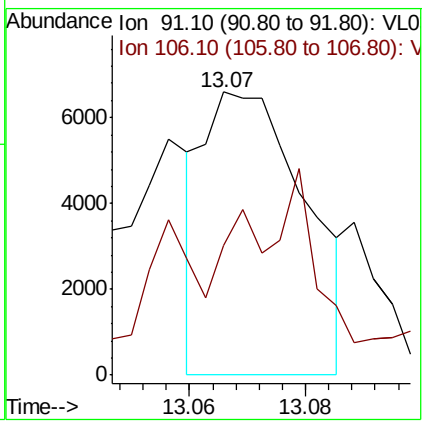


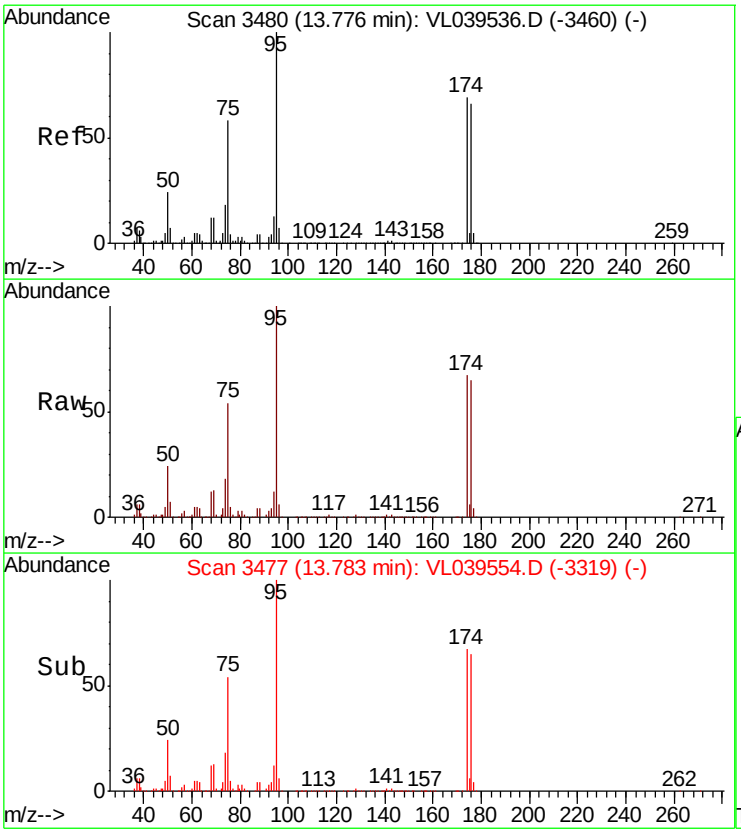
#60
o-Xylene
Concen: 0.034 ppbv
RT: 13.07
Delta R.T
Lab File:
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 7976

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.7	68.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.233 ppbv
RT: 13.78 min Scan# 3477
Delta R.T. 0.01 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 95 Resp: 1809004

Ion	Ratio	Lower	Upper
95	100		
174	71.0	56.3	84.5
175	5.1	4.3	6.5